STANDARD SYMBOLS

(NOTE: TOPOGRAPHIC SYMBOLS ARE FOR EXISTING FEATURES UNLESS OTHERWISE NOTED.)

- 9-1-1 FIBER OPTIC CABLE
- EXISTING WATER DISTRIBUTION
- PEOPLES GAS
- CITY ELECTRIC
- COMMONWEALTH EDISON
- TELEPHONE
- EXISTING SEWER
- CABLE TELEVISION
- CITY ELECTRIC (AERIAL)
- EXISTING BUILDING LINE

- MANHOLE, EXISTING
- MANHOLE, PROPOSED
- FIRE HYDRANT
- LIGHT STANDARD
- BUFFALO BOX, WATER
- WATER METER BOX
- WATER VALVE VAULT
- BUFFALO BOX, GAS
- MANHOLE, GAS
- MANHOLE, CITY ELECTRIC
- MANHOLE, CITY ELECTRIC
- MANHOLE, COMMONWELATH EDISON
- MANHOLE, TELEPHONE
- POWER POLE
- TRAFFIC SIGNAL
- TRAFFIC SIGNAL CONTROL BOX
- STREET LIGHTING CONTROL BOX
- INLET, EXISTING
- INLET, PROPOSED
- CATCH BASIN, EXISTING
- CATCH BASIN, PROPOSED
- CATCH BASIN TO BE FILLED/REMOVED
- A CATCH BASIN TO BE ADJUSTED
- R CATCH BASIN TO BE RECONSTRUCTED
- SEWER MANHOLE TO BE REMOVED
- A SEWER MANHOLE TO BE ADJUSTED
- R SEWER MANHOLE TO BE RECONSTRUCTED
- A WATER VAULT TO BE ADJUSTED
- A WATER METER TO BE ADJUSTED
- A CITY ELECTRIC MANHOLE TO BE ADJUSTED
- A CITY ELECTRIC HANDHOLE TO BE ADJUSTED
- TREE, EXISTING TO REMAIN
- TREE, EXISTING TO BE REMOVED
- BUSH OR SHRUB, EXISTING
- SOIL BORING
- ORDINANCE GRADE
- SIGN

CITY OF CHICAGO
LORI E. LIGHTFOOT, MAYOR

DEPARTMENT OF TRANSPORTATION
GIA BIAGI, COMMISSIONER

DIVISION OF PROJECT DEVELOPMENT
VIGNESH KRISHNAMURTHY, DEPUTY COMMISSIONER

CONTRACT PLANS
FOR

S. COMMERCIAL AVENUE IMPROVEMENT - SECTION I

S. COMMERCIAL AVE FROM S SOUTH CHICAGO AVE TO E 90TH ST

C.D.O.T. PROJECT NO. S-0-447
SPECIFICATION NO. 1245806

SEE SHEET 2 FOR INDEX OF SHEETS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION

APPROVED: E Schmidt 8/1/2022
PROJECT MANAGER / DATE

APPROVED: 07.28.22
PROJECT DIRECTOR / DATE

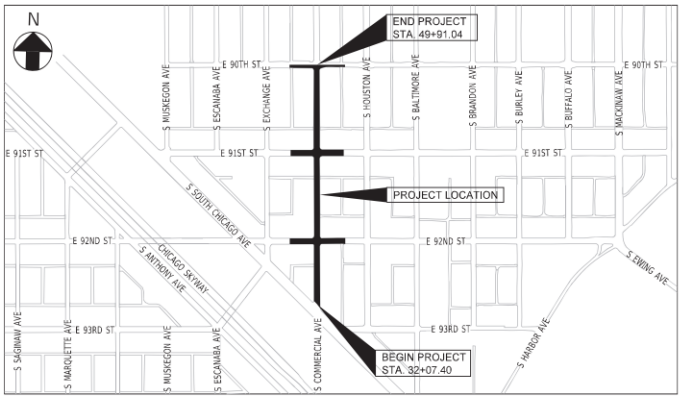
APPROVED: 8/1/2022
MANAGING DEPUTY COMMISSIONER, DIVISION OF ENGINEERING / DATE

APPROVED: 8-1-22
DEPUTY COMMISSIONER, DIVISION OF PROJECT DEVELOPMENT / DATE

APPROVED:
COMMISSIONER / DATE

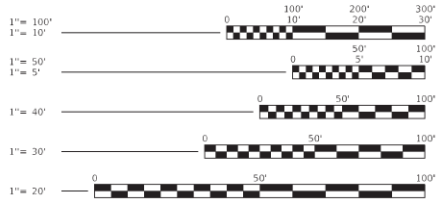
MOHAMAD ALSHARBINI
082-067632
LICENSED PROFESSIONAL ENGINEER OF
STATE OF ILLINOIS

MOHAMAD O ALSHARBINI, P.E.
EXPIRES 11–30–2023



LOCATION MAP
(NOT TO SCALE)

STA. 32+07.40 - STA. 49+91.04
OVERALL LENGTH OF PROJECT = 0.54 MILES
NET LENGTH OF PROJECT = 0.54 MILES



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

TRAFFIC DATA

	AVERAGE DAILY TRAFFIC [2018]	SPEED LIMIT DESIGN	SPEED LIMIT POSTED
S COMMERCIAL AVE	5050	30	30
E 92ND ST	1950	30	30
E 91ST ST	2100	30	30
E 90TH ST	600	30	30

DEO WO 12021059
OUC EFP 115063

PRIOR TO CONSTRUCTION, THE CONTRACTOR IS REQUIRED TO CALL THE CHICAGO UTILITY ALERT NETWORK (DIGGER/CHICAGO 811) AT 312-744-7000 FOR UNDERGROUND UTILITY LOCATIONS.

THIS CERTIFIES THAT THESE DRAWINGS HAVE BEEN REVIEWED TO THE BEST OF MY KNOWLEDGE AND THAT I BELIEVE THEY ARE IN ACCORDANCE WITH THE AMERICANS WITH DISABILITIES ACT (ADA), AND ALL CODES AND BUILDING ORDINANCES OF THE THE CITY OF CHICAGO, STATE OF ILLINOIS.

LICENSED ARCHITECT / LICENSED ENGINEER

811 Chicago

DEPARTMENT OF PROCUREMENT SERVICES
AILEEN VELAZQUEZ, CHIEF PROCUREMENT OFFICER

benesch

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HIGHWAY STANDARDS

IDOT STANDARD NO.	TITLE OR DESCRIPTION
001001-02	AREAS OF REINFORCEMENT BARS
001006	DECIMAL OF AN INCH AND A FOOT
442201-03	CLASS C AND D PATCHES
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701601-09	URBAN LANE CLOSURE, MULTILANE, 1W OR 2W WITH NONTRAVERSABLE MEDIAN
701606-10	URBAN SINGLE LANE CLOSURE, MULTILANE, 2W WITH MOUNTABLE MEDIAN
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-08	TRAFFIC CONTROL DEVICES

DISTRICT 1 STANDARDS

IDOT STANDARD NO.	TITLE OR DESCRIPTION
BD-17	CITY OF CHICAGO DETAILS FOR P.C. CONCRETE DRIVEWAY, ALLEY RETURN AND SIDEWALK
BD-58	CITY OF CHICAGO DETECTABLE WARNINGS
TC-10	TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS
TC-16	SHORT TERM PAVEMENT MARKING LETTERS AND SYMBOLS
TC-22	ARTERIAL ROAD INFORMATION SIGN
TC-24	CITY OF CHICAGO TYPICAL PAVEMENT MARKINGS
TC-26	DRIVEWAY ENTRANCE SIGNING

CDWM STANDARDS

CDWM STANDARD NO.	TITLE OR DESCRIPTION
A.1	VITRIFIED CLAY PIPE (VCP) DRAIN CONNECTIONS
A.2	DUCTILE IRON PIPE DRAIN CONNECTIONS
A.20	FLAT TOP SLAB DETAILS
A.21	MANHOLE LIDS AND FRAMES
A.22	DRAINAGE STRUCTURE DETAILS
A.26	MISCELLANEOUS DETAILS

CDOT STANDARDS

CDOT STANDARD NO.	TITLE OR DESCRIPTION
A-1-2	STANDARD ALLEY SECTION
A-1-3	INTERSECTION CROSSWALK LAYOUT
A-2-2A	STREET PAVEMENT RESTORATION DETAIL WITH TRENCH BACKFILL
A-2-2C	PAVEMENT PATCHING AND PORTLAND CEMENT CONCRETE PLACEMENT
A-2-3D	PROPOSED 10" BUS PAD PAVEMENT
A-2-3E	PROPOSED BUS PAD PAVEMENT AND TRAFFIC CONTROL LAYOUT
A-2-3F	CONTRACTION JOINT ASSEMBLY FOR BUS PAD
A-2-6	CONCRETE CURB & GUTTER DETAIL
A-2-11	CATCH BASIN ADJUSTMENT IN EXISTING PAVEMENT
A-2-12	FRAME ADJUSTMENT IN PAVEMENT
A-3-1	ADA COMPLIANT SIDEWALK CONSTRUCTION DETAILS
A-5-3	TRENCH GUIDELINES FOR INSTALLATION OF UNDERGROUND UTILITIES ADJACENT TO TREES
A-5-4A	BUS SHELTER 3 SECTION - FULL SIZE NEW INSTALLATION
A-5-4B	BUS SHELTER 3 SECTION - 1 GLASS PANEL REMOVED NEW INSTALLATION
A-5-4C	BUS SHELTER 2 SECTION - FULL SIZE NEW INSTALLATION
A-5-4D	BUS SHELTER 3 SECTION - NARROW SIZE NEW INSTALLATION
A-6-1A	COMPONENT PARTS OF A TEMPORARY TRAFFIC CONTROL ZONE
A-6-1B	COMPONENT PARTS OF A TEMPORARY TRAFFIC CONTROL ZONE
A-6-2	TYPICAL CONSTRUCTION SIGN & PLACEMENT DETAIL
A-6-3	TYPICAL TEMPORARY ADA RAMP
A-7-1A	CROSSWALK MARKING DETAIL
A-7-1B	CROSS WALK MARKING DETAIL
A-7-2	6' BIKE SYMBOL
A-7-4	BIKE ARROW
A-7-10	BIKE AND ARROW SYMBOL SPACING
B-1-1	CITY OF CHICAGO TYPICAL CORNER RAMP LAYOUTS
B-1-2	CITY OF CHICAGO 2 PERPENDICULAR RAMPS AT CORNER
B-1-3	CITY OF CHICAGO 2 PERPENDICULAR RAMPS AT CORNER WITH RAMPS IN CURB RADIUS
B-1-6	CITY OF CHICAGO COMBINATION RAMP AT CORNER (PARALLEL AND PERPENDICULAR RAMPS)
B-1-11	CITY OF CHICAGO RAMPS AT CORNER WITH DIFFERENT SIDEWALK WIDTHS
B-2-1	CITY OF CHICAGO ALLEY RETURN PLAN VIEW
B-2-2	CITY OF CHICAGO ALLEY RETURN SECTIONS
B-2-3	CITY OF CHICAGO DRIVEWAY CONSTRUCTION PLAN VIEWS
B-2-4	CITY OF CHICAGO DRIVEWAY CONSTRUCTION SECTIONS
B-2-5	CITY OF CHICAGO ALLEY & DRIVEWAY DETAIL FOR REDUCED WITH PEDESTRIANS ACCESS ROUTE
D3-1	SIGN BRACKET AND SPECS
D3-1	STREET NAME SIGN INSTALLATION
R1-1	30" OCTAGON - STOP SIGN
R2-6L	18"X24" - ONE WAY (LEFT)
R2-6R	18"X24" - ONE WAY (RIGHT)
	18"X18" - NO PARKING TOW ZONE WITH ARROW
	18"X18" - DOUBLE FACED BUS STOP WITH ARROW
	DRILL-SIGN POST MOUNTING AND INSTALLATION DETAILS
	SIGN POST MOUNTING AND INSTALLATION DETAILS
	SIGN LAYOUT INSTALLATION
	REGULATORY SIGN INSTALLATION ON TRAFFIC SIGNALS

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DESIGNED - J. WORTHINGTON			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

INDEX OF SHEETS AND STANDARDS

SCALE: NTS | SHEET G-1 OF G-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **G-1**
SHEET NO. 2 OF 207

GENERAL NOTES

1. ANY REFERENCE TO 'STANDARD SPECIFICATIONS' THROUGHOUT THE PLANS OR SPECIAL PROVISIONS WILL BE INTERPRETED TO BE THE ILLINOIS DEPARTMENT OF TRANSPORTATION (IDOT) 'STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION' (SSRBC), ADOPTED APRIL 1, 2016, AND THE IDOT SUPPLEMENTAL SPECIFICATIONS', ADOPTED JANUARY 1, 2021.
2. ALL DIMENSIONS SHOWN ON THE PLANS ARE TO THE FACE OF THE CURB, UNLESS OTHERWISE SPECIFIED.
3. THE CONTRACTOR MUST TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICULAR TRAFFIC.
4. IT IS CALLED TO THE CONTRACTOR'S ATTENTION THAT CERTAIN PERMITS AND FEES WILL BE REQUIRED BY VARIOUS DEPARTMENTS AND AGENCIES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ALL CONSTRUCTION PERMITS THAT MAY BE NECESSARY FOR ACCESS TO THE JOB SITE, FOR STORAGE OF MATERIALS AND EQUIPMENT, AND FOR CONSTRUCTION OPERATION. THE COST OF THESE PERMITS AND FEES SHALL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICE FOR 'MOBILIZATION' AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. CTA TRAFFIC PLANNING MUST BE NOTIFIED AT LEAST 30 DAYS IN ADVANCE OF THE TIME THAT CONSTRUCTION WILL COMMENCE AND BEFORE EACH PHASE OF MOT IMPACTING CTA SERVICE OR BUS STOPS. CTA SHALL REMOVE/REPLACE ALL CTA BUS STOP SIGNS WITHIN THE PROJECT LIMITS. TRAFFIC.PLANNING@TRANSITCHICAGO.COM -OR- 312-681-4119
6. ALL PROPOSED STATION AND OFFSET ANNOTATION REFERENCES THE CONSTRUCTION CENTERLINE. THE OFFSETS PROVIDED FOR PROPOSED DRAINAGE STRUCTURES LOCATED IN THE CURB LINES REFER TO THE CENTER OF THE RIM. THE CENTER OF THE RIM IS TO BE LOCATED AT THE EDGE OF PAVEMENT. THE RIM ELEVATIONS PROPOSED ARE THE ELEVATIONS AT THE EDGE OF PAVEMENT.
7. ALL WORK BEGUN DURING A CONSTRUCTION SEASON MUST BE COMPLETED PRIOR TO THE END OF THAT SEASON. THE CONTRACTOR SHALL LIMIT PAVEMENT REMOVAL OPERATIONS TO AN AREA IN WHICH BASE COURSE, AND/OR PROPOSED MEDIAN CURB/ WALL CAN REASONABLY BE PLACED WITHIN 15 WORKING DAYS. THIS AREA SHALL BE DETERMINED BY THE CONSTRUCTION SCHEDULE SUBMITTED AND APPROVED AT THE START OF WORK.
8. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON CHICAGO CITY DATUM WHICH IS 579.88 FEET ABOVE MEAN SEA LEVEL, 1935 ADJUSTMENT.
9. IN ACCORDANCE WITH ARTICLE 11 OF THE GENERAL CONDITIONS, THE CONTRACTOR SHALL SUBMIT A TIME SCHEDULE FOR THE CONSTRUCTION OF THIS PROJECT. THE SCHEDULE WILL INCLUDE THE PERIODS OF TIME IN WHICH WORK ITEMS ARE TO BE COMPLETED. PARTICULAR ATTENTION WILL BE GIVEN TO REMOVAL AND REPLACEMENT OF CURB AND GUTTER, SIDEWALK, ALLEYS, DRIVEWAYS, AND CONCRETE OR BITUMINOUS PAVEMENT. ANY OF THESE ITEMS REMOVED ARE REQUIRED TO BE REPLACED IN THE SHORTEST PERIOD OF TIME, AND AT NO TIME WILL THEIR REPLACEMENT EXCEED 14 CALENDAR DAYS OR THE NUMBER OF CALENDAR DAYS GIVEN IN THE APPROVED PROJECT SCHEDULE, THE COST OF COMPLIANCE WITH THIS REQUIREMENT WILL BE INCIDENTAL TO EACH RESPECTIVE PAY ITEM OF WORK.
10. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE SSRBC AND THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY (IEPA) AS REGARDS TO THE DISPOSAL OF EXCAVATED MATERIALS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR TESTING FOR THE PRESENCE OF CONTAMINATED SUBSTANCES PRIOR TO STARTING ANY EXCAVATION ACTIVITIES. BASED ON THE RESULTS OF THE ENVIRONMENTAL TESTING, THE CONTRACTOR SHALL MAKE ALL NECESSARY ARRANGEMENTS TO LEGALLY DISPOSE OF ALL EXCAVATED MATERIALS. MATERIALS CLASSIFIED AS 'CLEAN CONSTRUCTION OR DEMOLITION DEBRIS' ('CCDD') OR 'NON-HAZARDOUS NON-SPECIAL WASTE' AS PER IEPA CRITERIA, SHALL BE INCLUDED AND CONSIDERED INCIDENTAL TO THE INDIVIDUAL REMOVAL AND EXCAVATION ITEMS IN THE CONTRACT. A LICENSED PROFESSIONAL ENGINEER REPRESENTING THE CONTRACTOR SHALL PREPARE AND EXECUTE ALL IEPA REQUIRED FORMS AND CERTIFICATIONS NECESSARY TO LEGALLY DISPOSE OF ALL EXCAVATED MATERIALS.
11. ALL STREET SIGNAGE REMOVED FOR CONSTRUCTION MUST BE CONSOLIDATED AND STORED AT A CENTRAL LOCATION ON SITE. THIS LOCATION MUST BE FORWARDED TO CDOT'S RESIDENT ENGINEERS FOR THEIR USE. ONCE SUBSTANTIAL COMPLETION IS REACHED, THE CONTRACTOR MUST COORDINATE WITH CDOT'S RESIDENT ENGINEERS TO REINSTALL STREET SIGNAGE IN A TIMELY MANNER.
12. ADVERTISING BENCHES THAT ARE PRESENT WITHIN THE WORK ZONE MUST BE REMOVED BEFORE CONSTRUCTION AND REPLACED IN THE SAME LOCATION AFTER COMPLETION BY THE OWNER OF THE BENCH. THE CONTRACTOR MUST CONTACT EITHER THE OWNER OF THE BENCH, OR WRIGHT ADVERTISING AT (708) 652-6020 FOR REMOVAL AND REPLACEMENT OF THE BENCH.
12. PARKING METER AND PARKING PAY BOX WORK REQUIRED DUE TO CONSTRUCTION MUST BE PERFORMED BY THE CITY OF CHICAGO DEPARTMENT OF REVENUE ONLY. THE CONTRACTOR SHALL PAY ALL FEES REQUIRED BY SECTION 9-68-050 OF THE MUNICIPAL CODE OF CHICAGO. REFER TO ARTICLE 10, SECTION E OF THE PROJECT SPECIFICATIONS FOR FURTHER INFORMATION. THIS INCLUDES ANY AND ALL PARKING METERS AND PARKING PAY BOXES TO BE INSTALLED, REMOVED OR RELOCATED AT THE PROJECT LOCATION OR AT ANY AND ALL LOCATIONS DIRECTLY OR INDIRECTLY INVOLVED WITH THE PROJECT.

CIVIL NOTES

1. THE ENTIRE AREA WHICH IS TO RECEIVE 'BITUMINOUS MATERIALS (TACK COAT)' MUST BE SWEPT CLEAN BEFORE THE MATERIAL IS APPLIED. THE SWEEPINGS WILL NOT BE DEPOSITED IN THE GUTTER OR ON THE CURB, PARKWAY, OR SIDEWALK, BUT ARE TO BE PICKED UP AND DISPOSED OF PROPERLY BEYOND THE LIMITS OF THE PROJECT ON THE SAME DAY THAT THE SWEEPING IS DONE. THE WORK WILL NOT BE PAID FOR SEPARATELY, BUT WILL BE CONSIDERED INCIDENTAL TO 'BITUMINOUS MATERIALS (TACK COAT)'.
2. IF AN EXISTING MAILBOX MUST BE REMOVED OR RELOCATED TO COMPLETE THE WORK, THE CONTRACTOR MUST NOTIFY THE POST OFFICE. THE COST OF ANY COORDINATION WITH THE POST OFFICE WILL BE CONSIDERED INCIDENTAL TO 'SIDEWALK REMOVAL'.
3. THE CONTRACTOR SHALL INFORM THE COMMISSIONER 72 HOURS PRIOR TO REMOVING ANY STREET CAR TRACKS IF DISCOVERED AND NECESSARY TO REMOVE. THE COMMISSIONER WILL VERIFY THAT THE TRACKS AND/OR THE BURIED NEGATIVE GROUND CABLE IS NOT BEING USED FOR ELECTROLYSIS.
4. THE EXISTING PAVEMENT IS REQUIRED TO BE SAWCUT IN ORDER TO PROVIDE FOR A STRAIGHT EDGE BUTT JOINT WHERE COMBINATION CONCRETE CURB AND GUTTER IS TO BE REPLACED. WHERE FULL DEPTH PATCHES ARE TO BE CONSTRUCTED, WHERE TRENCHES FOR PROPOSED DRAINAGE STRUCTURES ARE TO BE EXCAVATED, AS SHOWN ON THE PLANS, AND AS DIRECTED BY THE COMMISSIONER. FOR COMBINATION CONCRETE CURB AND GUTTER, THE SAWCUT IS REQUIRED TO BE DEEP ENOUGH TO PENETRATE THE EXISTING BASE COURSE WHERE NECESSARY TO ASSURE A STRAIGHT EDGE FOR THE FULL DEPTH OF COMBINATION CONCRETE CURB AND GUTTER. FOR PATCHES AND DRAINAGE STRUCTURES, THE SAWCUT SHALL BE FULL DEPTH. ALL OTHER SAWCUTTING WILL BE TO THE DEPTHS SHOWN ON THE PLANS OR GIVEN IN THE SPECIFICATIONS. ALL SAWCUTTING SHOWN ON THE PLANS OR OTHERWISE REQUIRED FOR THIS WORK SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED REMOVAL PAY ITEMS AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. THE COMMISSIONER SHALL UTILIZE PROCEDURES FROM THE IDOT SUBGRADE STABILITY MANUAL TO DETERMINE THE DEPTH OF ANY UNDERCUT.
6. THE CONTRACTOR SHALL BREAK THE SIDEWALK AROUND EXISTING LIGHT POLES PRIOR TO REMOVAL OF THE SIDEWALK. THIS WORK WILL BE INCIDENTAL TO THE COST OF 'SIDEWALK REMOVAL'.
7. 1/2-INCH THICK EXPANSION JOINTS SHALL BE PLACED BETWEEN THE SIDEWALK AND ALL STRUCTURES SUCH AS LIGHT STANDARDS, TRAFFIC LIGHT STANDARDS, AND MANHOLES WHICH EXTEND THROUGH THE SIDEWALK, UNLESS OTHERWISE NOTED ON THE PLANS. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF THE APPROPRIATE SIDEWALK BID ITEM.
8. WHEN THE PAVEMENT CONSTRUCTED IS PORTLAND CEMENT CONCRETE BASE COURSE OR PORTLAND CEMENT CONCRETE PAVEMENT, THE PAVEMENT JOINTING SYSTEM IS TO BE CONSTRUCTED IN ACCORDANCE WITH THE 'STANDARD SPECIFICATIONS', THE CONTRACT SPECIFICATIONS, AND THE STANDARD DETAILS.
9. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL VERIFY THE STREET SWEEPING SCHEDULE AND COORDINATE CONSTRUCTION ACTIVITIES SO AS NOT TO BLOCK OR DISRUPT REGULAR ROADWAY SWEEPING.
10. CLASS B PATCHES SHALL BE USED TO PATCH ANY UTILITY TRENCHES AND SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE 'STANDARD SPECIFICATIONS', THE CONTRACT SPECIFICATIONS, AND THE STANDARD DETAILS.

UTILITY NOTES

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING STRUCTURES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD AND MAKE THE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING MATERIALS. SUCH VARIATIONS WILL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN THE SCOPE OF THE WORK; HOWEVER, THE CONTRACTOR WILL BE PAID AT THE CONTRACT UNIT PRICE FOR THE WORK.
2. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE CHICAGO UTILITY ALERT NETWORK AT (312) 744-7000 SO THAT UTILITIES AND THEIR APPURTENANCES MAY BE LOCATED AND ADJUSTED OR MOVED, IF NECESSARY, AT LEAST 72 HOURS PRIOR TO THE START OF CONSTRUCTION OPERATIONS. THE CONTRACTOR MUST COOPERATE WITH ALL UTILITY OWNERS AS PROVIDED FOR IN THE 'STANDARD SPECIFICATIONS'.
3. THE CITY DOES NOT GUARANTEE THE COMPLETENESS OR ACCURACY OF THE INFORMATION SHOWN ON THE PLANS REGARDING UTILITIES, EITHER PUBLIC OR PRIVATE, SUCH AS SEWERS, MANHOLES, CATCH BASINS, GAS AND WATER MAIN, TELEPHONE AND ELECTRICAL DUCT LINES, AND SIMILAR STRUCTURES. THE CONTRACTOR MUST VERIFY THE EXACT LOCATIONS OF ALL UTILITIES THAT MAY INTERFERE WITH THE CONSTRUCTION OPERATIONS AND MUST REPORT TO THE COMMISSIONER ANY OMISSIONS AND DIFFERENCES FROM LOCATIONS SHOWN ON THE PLANS. THE COST OF THIS WORK WILL BE CONSIDERED AS INCIDENTAL TO 'MOBILIZATION' AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
4. THE CONTRACTOR IS REQUIRED TO PROTECT ANY EXISTING AND NEW UTILITIES WHEN CONSIDERED NECESSARY BY THE COMMISSIONER, USING METHODS APPROVED BY THE COMMISSIONER. THE CONTRACTOR WILL BRACE AND SUPPORT THE UTILITIES PROPERLY TO PREVENT SETTLEMENT, DISPLACEMENT, OR CHANGE TO THE UTILITIES. THE COST OF UTILITY PROTECTION AS SPECIFIED IN HEREIN WILL BE CONSIDERED AS INCIDENTAL TO 'MOBILIZATION' AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
5. ANY UTILITY THAT IS DAMAGED DURING CONSTRUCTION WILL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT HIS/HER OWN EXPENSE.
6. EXCEPT AS NOTED ON THE PLANS, IN THE GENERAL NOTES, AND IN THE SPECIFICATIONS, UTILITY RELOCATION OR ADJUSTMENT WILL BE PERFORMED BY THE RESPECTIVE UTILITY OWNERS AT THEIR OWN EXPENSE AND WILL NOT BE CONSIDERED PART OF THIS CONTRACT. THE CONTRACTOR WILL NOTIFY THE AFFECTED UTILITY OWNERS AND SCHEDULE HIS/HER WORK ACCORDINGLY. THE COST OF THIS COORDINATION WILL BE CONSIDERED AS INCIDENTAL TO 'MOBILIZATION' AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED. UTILITIES SHOULD BE ADJUSTED/RELOCATED PRIOR TO WAY CONSTRUCTION.

UTILITY NOTES (CONTINUED)

7. THIS PROJECT MAY REQUIRE FRAME AND COVER ADJUSTMENTS OF COMED MANHOLES. FOR ANY FRAME AND COVER ADJUSTMENTS, PLEASE CONTACT CONNOR AUSTELL AT 773.509.3746 OR VIA EMAIL AT CONNOR.AUSTELL@COMED.COM AT LEAST SIX WEEKS PRIOR TO CONSTRUCTION START.
8. ANY PAVEMENT REMOVAL AND REPLACEMENT OPERATION TO BE DIRECTLY ABOVE A COMMONWEALTH EDISON (COMED) COMPANY LINE WILL BE CLOSELY COORDINATED WITH COMED. REPRESENTATIVES FROM THE CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION AND COMED MUST BE PRESENT DURING PERFORMANCE OF THIS WORK, AS ARRANGED BY THE CONTRACTOR.
9. THE CONTRACTOR MUST TAKE EXTRA PRECAUTION WHEN WORKING NEAR COMED OVERHEAD WIRES. THESE WIRES ARE NOT INSULATED.
10. PEOPLES GAS FACILITIES ARE PRESENT WITHIN AREA OF CONSTRUCTION. SERVICE IS AFFECTED, USE EXTREME CAUTION NEAR ALL GAS FACILITIES DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. HAND DIGGING OR NON-INVASIVE EXCAVATION IS REQUIRED TO FIELD VERIFY THE HORIZONTAL AND VERTICAL LOCATION OF GAS FACILITIES PRIOR TO CROSSING AND WORKING WITHIN 3' OF ALL GAS FACILITIES. A MINIMUM OF 3' HORIZONTAL EDGE-TO-EDGE CLEARANCE IS REQUIRED FOR GAS FACILITIES WITH DIAMETERS OF 16" OR SMALLER, AND 5' EDGE-TO-EDGE CLEARANCE FOR GAS FACILITIES WITH DIAMETERS 18" AND LARGER. MAINTAIN A MINIMUM OF 18" EDGE TO EDGE VERTICAL CLEARANCE WHEN CROSSING GAS FACILITIES 16" OR LESS IN DIAMETER, AND 24" EDGE-TO-EDGE VERTICAL CLEARANCE WHEN CROSSING 18" AND LARGER DIAMETER GAS FACILITIES. CONTACT DIGGER 312-744-7000 FOR LOCATES 48 HOURS PRIOR TO START OF CONSTRUCTION.
11. PEOPLES GAS CAST IRON AND DUCTILE IRON GAS MAINS MAY REQUIRE SUPPORT DURING CONSTRUCTION AND RELATED EXCAVATION ACTIVITIES. ANY EXPOSED JOINTS MUST BE SUPPORTED AND CAST IRON JOINTS SEALED BY GAS COMPANY PERSONNEL. CONTACT NORTH SHOP ENGINEERING SUPERVISOR, MATTHEW POELKING, 773-794-6827, A MINIMUM OF 5 BUSINESS DAYS PRIOR TO EXCAVATION TO SET UP ON-SITE INSPECTION. INSPECTION BY PEOPLES GAS IS REQUIRED PRIOR TO BACKFILL. INSPECT GAS MAIN AND COATING INTEGRITY PRIOR TO BACKFILL.
12. THE USE OF CONCRETE, FLOW FILL, OR THE LIKE IS PROHIBITED WITHIN 24 INCHES OF ALL GAS FACILITIES, NOR SHALL IT ENCASE ANY GAS FACILITY. A BUFFER OF 24" SAND IS TO BE USED BETWEEN FLOW FILL AND ALL GAS FACILITIES. A MINIMUM OF 6" FA-02 OR FM-02 SAND SHALL BE USED WHEN BACKFILLING OTHER MATERIALS AROUND ANY EXPOSED GAS FACILITY. CONTRACTOR EXPOSING GAS FACILITY IS RESPONSIBLE FOR PROVIDING THE SAND. ANY DAMAGES TO PEOPLES GAS FACILITIES SHALL BE THE RESPONSIBILITY OF THE INSTALLING UTILITY AND THEIR CONTRACTOR(S). CALL 866-556-6002 OR CONTACT NORTH SHOP ENGINEERING SUPERVISOR, MATTHEW POELKING, 773-794-6827 IMMEDIATELY FOR ANY DAMAGES TO THE GAS FACILITIES. ALL GAS FACILITIES ARE TO BE MAINTAINED.
13. BACKFILLING STORM SEWER CONSTRUCTED UNDER THE ROADWAY SPECIFIED UNDER ART. 550.07(b, c) OF THE SSRBC WILL NOT BE ALLOWED.
14. EXCAVATIONS PROHIBITED WITHIN 25 FEET OF NATURAL GAS TRANSMISSION PIPELINES/HP GAS MAINS UNLESS A REPRESENTATIVE OF THE PIPELINE IS ON HAD AT THE PROPOSED AREA OF EXCAVATION. CONTACT BILL MCCAFERTY, (773) 456-1583, A MINIMUM OF 5 BUSINESS DAYS PRIOR TO CONSTRUCTION TO COORDINATE FOR A REPRESENTATIVE TO BE ON SITE.
15. PLEASE CONTACT AT&T LEGAL MANDATE ENGINEER CHUCK PUNTER AT O: (630) 573-5482 OR E: CP2723@ATT.COM AT LEAST (30) DAYS PRIOR TO COMMENCEMENT TO SCHEDULE AND COORDINATE AT&T STRUCTURE ADJUSTMENTS. ACCORDING TO EXISTING FACILITY RECORDS, AT&T HAS UNDERGROUND FACILITIES WITHIN THE PROJECT LIMITS AS SHOWN ON THE PROPOSED PLANS. USE CAUTION WHEN DIGGING/TRENCHING/BORING NEAR AT&T CONDUIT IN WORK AREA. LOCATE, PROTECT, AND SUPPORT AS REQUIRED. HAND DIG AROUND AT&T FACILITIES. MAINTAIN 12" VERTICAL AND 3' HORIZONTAL CLEARANCE. REQUESTOR ASSUMES ALL LIABILITY FOR DAMAGES TO AT&T FACILITIES.
16. USE EXTREME CAUTION NEAR CROWN CASTLE FACILITIES. HAND TRENCH WITHIN 3 FEET OF CROWN CASTLE FACILITIES TO VISUALLY LOCATE. A MINIMUN OF 12" CLEARANCE (VERTICAL AND HORIZONTAL) IS NEEDED FROM EXISTING CROWN CASTLE FACILITIES. EMAIL ARGIRO.JARAMILLO@CROWNCASTLE.COM FOR MORE INFORMATION. CONTACT DIGGER FOR LOCATES A MINIMUM OF 48 HOURS IN ADVANCE OF CONSTRUCTION.
17. MCI/VERIZON FACILITIES ARE PRESENT IN THE AREA OF CONSTRUCTION. USE EXTREME CAUTION NEAR ALL MCI/VERIZON FACILITIES. HAND EXCAVATION IS REQUIRED TO LOCATE AND EXPOSE FIBER OPTIC FACILITIES PRIOR TO CROSSING AND WHEN WORKING WITHIN 3 FEET OF ALL MCI/VERIZON FACILITIES. CONTACT DIGGER FOR LOCATES A MINIMUM OF 48 HOURS PRIOR TO START OF CONSTRUCTION.
18. ANY ISSUES OR WORK NEEDED WHEN CROSSING ADJACENT TO ANY COMED ASSETS, PLEASE CONTACT JENNIFER MABERTO @ 779.231.2246 OR VIA EMAIL @ JENNIFER.MABERTO@COMED.COM AT LEAST SIX WEEKS PRIOR TO CONSTRUCTION START.

DEPT. OF WATER MANAGEMENT NOTES

1. THE CONTRACTOR IS RESPONSIBLE FOR THE ADEQUATE PROTECTION OF THE EXITING SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES, AND BENCH MONUMENTS DURING CONSTRUCTION OPERATIONS, AND THE USE OF HEAVY EQUIPMENT WITHIN THE LIMITS OF THE PROJECT.
2. IT IS THE RESPONSIBILITY OF THE UTILITY COMPANY/GOVERNMENT AGENCY AND ITS CONSULTANTS/CONTRACTORS TO OBTAIN THE NECESSARY BACKGROUND INFORMATION FROM THE DRAWINGS/CONTRACT PLANS AND FOR EXISTING FACILITIES PROTECTION DURING THE CONSTRUCTION STAGE. RECORDS FROM THE DEPARTMENT OF BUILDINGS, SEWER UNIT INCLUDE: EXISTING SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES, BENCH MONUMENT LOCATIONS, ORDINANCE GRADES, AGE OF SEWER, AND PIPE MATERIAL. COPIES OF SEWER RECORDS CAN BE OBTAINED ON PAYMENT TO THE DEPARTMENT OF BUILDINGS, SEWER UNIT, LOCATED AT CITY HALL, 121 N. LASALLE ST. ROOM 906, CHICAGO, IL 60602.
3. A PERMIT IS REQUIRED FROM THE DEPARTMENT OF BUILDINGS, SEWER UNIT PRIOR TO THE CONSTRUCTION OF, OR REPAIRS TO, UNDERGROUND SEWERS, DRAIN CONNECTIONS, OR SEWER STRUCTURES, INCLUDING THE ADJUSTMENT OF SEWER STRUCTURES AND THE REMOVAL/REPLACEMENT OF FRAMES AND LIDS. THE PERMIT MUST BE OBTAINED BY A DRAINLAYER CURRENTLY LICENSED FROM THE DEPARTMENT OF BUILDINGS, SEWER UNIT.
4. IN ORDER TO PROTECT THE CITY'S BENCH MONUMENTS, ALL BENCH MONUMENT LOCATIONS WITHIN THE LIMITS OF THE PROJECT SHOULD BE LISTED ON THE PLAN SHEETS. IF ANY BENCH MONUMENTS ARE NOT LOCATED OR IF DAMAGE TO ANY BENCH MONUMENTS IS ENCOUNTERED, PLEASE CONTACT THE DEPARTMENT OF WATER MANAGEMENT IMMEDIATELY AT (312) 747-7893 OR (312) 747-8117. THE CONTRACTOR IS RESPONSIBLE FOR THE COST OF REPLACEMENT OF ANY BENCH MONUMENT DAMAGED OR DESTROYED DURING CONSTRUCTION.
5. IN THE RELOCATION OR CONSTRUCTION OF PRIVATE OR PUBLIC UTILITIES, INCLUDING PIPE UNDERDRAINS AND/OR SUBDRAINS, THE UTILITY SHOULD BE LOCATED AS FAR AWAY AS POSSIBLE FROM THE DEPARTMENT OF WATER MANAGEMENT FACILITY. A MINIMUM DISTANCE OF THE OUTSIDE DIAMETER OF THE SEWER (O.D.) PLUS 4 FEET MUST BE MAINTAINED BETWEEN THE SEWER AND THE UTILITY CENTER LINES. IF THE OUTSIDE DIAMETER/WIDTH OF UTILITY CONDUIT IS MORE THAN THE SEWER O.D., A MINIMUM OF 4 FEET HORIZONTAL CLEARANCE MUST BE OBTAINED FROM THE OUTSIDE FACE TO OUTSIDE FACE. FOUR FEET HORIZONTAL CLEARANCE IS ALSO REQUIRED FROM ALL SEWER STRUCTURES. A MINIMUM OF 10 FEET HORIZONTAL CLEARANCE AND 18 INCHES VERTICAL CLEARANCE IS DESIRABLE BETWEEN THE SEWER AND A WATER MAIN.
6. MANHOLES, CATCH BASINS, AND INLETS MUST BE PROTECTED FROM THE ENTRY OF ASPHALT/DEBRIS INTO THE SEWER SYSTEM DURING CONSTRUCTION. THE CONTRACTOR WILL MARK LOCATIONS OF ALL SEWER STRUCTURES ON THE SIDEWALK BEFORE STARTING PAVEMENT REMOVAL/REPLACEMENT. ADJUSTMENT OF FRAMES AND LIDS OF SEWER STRUCTURES MUST BE COMPLETED PRIOR TO STREET RESURFACING.
7. THE UTILITY COMPANY/GOVERNMENT AGENCY OR ITS REPRESENTING CONTRACTOR MUST MAINTAIN ACCESS TO THE EXISTING SEWER FACILITIES, INCLUDING SEWER STRUCTURES, AT ALL TIMES AND COORDINATE THE PROPOSED IMPROVEMENTS WITH THE DEPARTMENT OF WATER MANAGEMENT ENGINEER/INSPECTOR TO AVOID ANY INTERRUPTION OF THE SEWER FACILITIES' MAINTENANCE OR SERVICES. THE SEWER FLOW MUST BE MAINTAINED AT ALL TIMES.
8. THE CONTRACTOR MUST LOCATE AND PROMPTLY AND PROPERLY CONNECT TO THE NEW SEWERS ALL LIVE HOUSE DRAINS, CATCH BASIN DRAINS, AND OTHER EXISTING LATERALS, DRAINS, AND SEWERS OF WHATEVER NATURE WHICH ARE CONNECTED TO THE EXISTING SEWERS BEING REPAIRED OR REPLACED.
9. EXISTING CATCH BASIN LATERALS TO BE REUSED MUST BE RODDED AND FLUSHED IN THE PRESENCE OF THE DEPARTMENT OF WATER MANAGEMENT INSPECTOR. A NEW CONNECTION TO THE MAIN SEWER IS REQUIRED IF THE EXISTING CATCH BASIN LATERAL IS NOT APPROVED BY THE SEWER INSPECTOR.
10. WHEN A SEWER STRUCTURE IS ABANDONED, ALL PIPE OPENINGS MUST BE PLUGGED, STRUCTURES FILLED WITH TRENCH BACKFILL, LIDS AND FRAMES REMOVED, AND SURFACE RESTORED AS PER THE DEPARTMENT OF WATER MANAGEMENT STANDARDS AND SPECIFICATIONS.
11. WHEN DIRECTED BY THE COMMISSIONER, THE CONTRACTOR IS REQUIRED TO REPLACE ANY BROKEN FRAMES AND LIDS OF SEWER STRUCTURES WITH THE DEPARTMENT OF WATER MANAGEMENT STANDARD FRAMES AND LIDS.
12. THE FRAMES AND LIDS OF SEWER STRUCTURES TO BE ABANDONED, REMOVED, OR FILLED SHOULD BE SALVAGED, AND THE CONTRACTOR MUST NOTIFY THE DEPARTMENT OF WATER MANAGEMENT FOR PICK UP.
13. IN ARTERIAL STREETS, PERFORATED LIDS MUST BE PLACED ON ALL SEWER STRUCTURES UNLESS OTHERWISE APPROVED BY THE COMMISSIONER. IN RESIDENTIAL STREETS, MANHOLES MAY REQUIRE CLOSED LIDS. CONTRACTOR TO COORDINATE WITH THE DEPARTMENT OF WATER MANAGEMENT INSPECTOR.
14. DURING CONSTRUCTION OF THIS PROJECT, THE CONTRACTOR SHALL MAINTAIN THE SURFACE DRAINAGE OF THE ROAD AT ALL TIMES.
15. IF THE CONDITION OF EXISTING CATCH BASINS OR INLETS IS SUCH THAT THEIR ADJUSTMENT IS NOT FEASIBLE AT THE TIME OF CONSTRUCTION, THE CONTRACTOR MUST FURNISH AND INSTALL NEW CATCH BASINS OR INLETS AND THEIR APPURTENANCES AS DIRECTED BY THE COMMISSIONER AND WITH THE CONCURRENCE OF THE DEPARTMENT OF WATER MANAGEMENT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR 'CATCH BASINS, TYPE A, 4 FT DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)' OR FOR 'INLETS, TYPE A, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)'.
16. PRIOR TO CONSTRUCTION, EXISTING CATCH BASINS OR INLETS THAT ARE CLOGGED OR POORLY DRAINING SHALL BE CLEANED AT THE DIRECTION OF THE ENGINEER. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR 'DRAINAGE STRUCTURES TO BE CLEANED'.
17. IN CASE OF DAMAGE TO THE CITY'S SEWER SYSTEM, PRIVATE AND PUBLIC DRAIN CONNECTIONS, AND/OR BENCH MONUMENTS, THE CONTRACTOR MUST CONTACT THE DEPARTMENT OF BUILDINGS, SEWER UNIT, IMMEDIATELY AT PHONE NUMBER (312) 744-3351. THE CONTRACTOR MUST, AT HIS/ HER OWN COST, REPLACE THE AFFECTED SEWERS, DRAIN CONNECTIONS, SEWER STRUCTURES AND/ OR BENCH MONUMENTS AS NECESSARY. THE SEWER FLOWS MUST BE MAINTAINED AT ALL TIMES.
18. FLOW RESTRICTORS MUST BE INSTALLED IN ALL CATCH BASINS, OUTSIDE OF THE CENTRAL BUSINESS DISTRICT. FLOW RESTRICTORS MUST NOT BE INSTALLED IN CLOSE PROXIMITY TO VIADUCT AREAS, BUS STOPS, OR EMERGENCY ENTRANCES. FLOW RESTRICTORS ARE AVAILABLE FOR PICK-UP AT THE DWM'S CENTRAL DISTRICT, LOCATED AT 3901 S. ASHLAND AVENUE, BY CALLING (312) 747-1777, BETWEEN 7:00 AM - 3:00 PM, 48 HOURS IN ADVANCE.
19. AS-BUILT PLANS MUST BE SUBMITTED SOON AFTER WORK COMPLETION. FINAL PAYMENT WILL NOT BE MADE TO THE CONTRACTOR UNTIL THE SEWER UNIT OF THE DWM ACKNOWLEDGES RECEIPT OF "AS-BUILT PLANS".
20. THE CONTRACTOR SHALL TELEVISE SEWERS UNDER FULL DEPTH PAVEMENT REMOVAL, CATCH BASINS, AND LATERALS BEFORE AND AFTER CONSTRUCTION. THESE WILL BE REPAIRED/REPLACED/LINED AS DIRECTED BY THE ENGINEER.
21. ANY EXISTING LATERALS TO BE REUSED MUST OBTAIN APPROVAL FROM A DWM INSPECTOR.
22. ALL DRAINAGE STRUCTURE OFFSETS, STATIONS, AND ELEVATIONS SHALL BE MEASURED TO THE CENTER OF THE STRUCTURE FRMAE/GRATE FROM THE STATION CENTERLINE.

PAY ITEM SPECIFIC NOTES

1. LIMESTONE, CRUSHED CONCRETE, OR ANY OTHER LIME BEARING MATERIAL WILL NOT BE PERMITTED WITHIN 2 FEET OF ANY PLANTING MATERIALS. ONLY NON-LIMESTONE GRANULAR MATERIAL SHALL BE PERMITTED WITHIN 2 FEET OF ANY PLANTING MATERIAL. THIS SHALL BE CONSIDERED INCIDENTAL TO SUBBASE GRANULAR MATERIAL, TYPE B OF THE DEPTH SPECIFIED.
2. PREPARATION OF THE SUBGRADE WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO SUBBASE GRANULAR MATERIAL, TYPE B OF THE DEPTH SPECIFIED.
3. THE CONTRACTOR MUST PROVIDE ADDITIONAL TRAFFIC CONTROL DEVICES AND FLAGGER WHEN PLACING BINDER/SURFACE COURSES ON ROADWAYS OPEN TO TRAFFIC. THE USE OF TWO CERTIFIED FLAGGER WILL BE MANDATORY AT ALL TIMES. ADDITIONAL TRAFFIC CONTROL DEVICES AND FLAGGER WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED INCIDENTAL TO THE APPLICABLE ASPHALT ITEMS. FAILURE TO PROVIDE ADEQUATE TRAFFIC CONTROL OR TWO FLAGPERSONS WILL BE CONSIDERED A TRAFFIC CONTROL DEFICIENCY AND THE CONTRACTOR WILL BE CHARGED FOR TRAFFIC CONTROL DEFICIENCY IN ACCORDANCE WITH THE ITEM 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
4. WORK TO INSTALL THERMOPLASTIC PAVEMENT MARKING LINES AND/OR LETTERS AND SYMBOLS SHALL BE DONE AT EACH LOCATION WHERE PAVEMENT MARKINGS ARE REQUIRED WITHIN 3 WORKING DAYS AFTER THE FINAL BITUMINOUS SURFACE IS IN PLACE.
5. THE CONTRACTOR SHALL PROTECT ALL NEW PAVEMENT MARKINGS FROM TRAFFIC UNTIL THE THERMOPLASTIC/PREFORMED PLASTIC HAS SET SUFFICIENTLY TO ASSUME TRAFFIC. ANY DAMAGE TO THE MARKINGS DUE TO TRAFFIC SHALL BE REPLACED IMMEDIATELY BY THE CONTRACTOR AT HIS/HER EXPENSE.
6. PAVEMENT MARKING REMOVAL WILL NOT BE PAID FOR WHEN THE EXISTING MARKING IS REMOVED BY PAVEMENT REMOVAL, CURB AND GUTTER REMOVAL, OR OTHER REMOVAL ITEMS.
7. THE MATERIAL USED FOR TRENCH BACKFILL MUST BE SAND OR WASHED LIMESTONE CONFORMING TO SECTION 1003 OF THE STANDARD SPECIFICATIONS AND HAVE A GRADATION MEETING FA-6. STOCKPILING OF "SPOILS" WILL NOT BE ALLOWED.
8. PCC CONCRETE BASE COURSE JOINTS SHALL BE SEALED WITH HOT POURED JOINT MATERIAL CONFORMING TO THE REQUIREMENTS OF AASHTO SPECIFICATION M-173-60 FOR CONCRETE JOINT SEALER IN ACCORDANCE WITH THE CDOT RULES AND REGULATIONS AND DETAILS INCLUDED IN THESE PLANS. THIS WORK SHALL BE INCIDENTAL TO THE COST OF "PORTLAND CEMENT CONCRETE BASE COURSE 9".

MAINTENANCE OF TRAFFIC NOTES

1. TRAFFIC WILL BE MAINTAINED ON ALL STREETS AND PARKING WILL BE PROHIBITED WITHIN 50 FEET OF THE CONSTRUCTION AREA AT ALL TIMES. THE CONTRACTOR IS REQUIRED TO NOTIFY THE DIVISION OF ENGINEERING-TRAFFIC SECTION 48 HOURS BEFORE COMMENCING CONSTRUCTION.
2. WHEN THE PAVEMENT CONSTRUCTED IS PORTLAND CEMENT CONCRETE BASE COURSE OR PORTLAND CEMENT CONCRETE PAVEMENT, IT SHALL NOT BE OPENED TO TRAFFIC, INCLUDING CONSTRUCTION TRAFFIC, UNTIL AFTER THE SPECIFIED CURING PERIOD AS DEFINED IN ARTICLE 701.17(c)(5) OF THE 'STANDARD SPECIFICATIONS' AND UNTIL THE JOINTS HAVE BEEN SEALED.
3. THE CONTRACTOR'S VEHICLES SHALL ALWAYS MOVE WITH AND NOT AGAINST OR ACROSS THE FLOW OF TRAFFIC. THESE VEHICLES SHALL ENTER OR LEAVE THE WORK AREA IN A MANNER WHICH WILL NOT BE HAZARDOUS TO OR INTERFERE WITH NORMAL TRAFFIC AND SHALL NOT PARK OR STOP EXCEPT WITHIN DESIGNATED WORK AREAS. PERSONAL VEHICLES WILL NOT BE PERMITTED TO PARK WITHIN THE RIGHT-OF-WAY EXCEPT IN SPECIFIC AREAS DESIGNATED BY THE COMMISSIONER.
4. ACCESS TO EXISTING CROSS ROADS AND DRIVES MUST BE MAINTAINED AT ALL TIMES DURING CONSTRUCTION.
5. ADEQUATE PROVISIONS FOR PEDESTRIAN TRAFFIC MUST BE PROVIDED AT ALL TIMES.
6. FOR ADDITIONAL REQUIREMENTS, SEE CDOT SPECIAL PROVISION FOR TRAFFIC CONTROL AND PROTECTION, (SPECIAL) IN BOOK 3.
7. IN ACCORDANCE WITH ARTICLE XI OF THE GENERAL CONDITIONS, THE CONTRACTOR SHALL SUBMIT A TIME SCHEDULE FOR THE CONSTRUCTION OF THIS PROJECT. THE SCHEDULE SHALL INCLUDE THE PERIODS OF THE TIME IN WHICH THE WORK ITEMS ARE TO BE COMPLETED. PARTICULAR ATTENTION SHOULD BE GIVEN TO REMOVAL AND REPLACEMENT OF CURB AND GUTTER, SIDEWALKS, ALLEYS AND DRIVEWAYS. ANY OF THE ITEMS REMOVED SHALL BE REPLACED IN THE SHORTEST PERIOD OF TIME AND, AT NO TIME, SHALL THEIR REPLACEMENT EXCEED TEN (10) WORKING DAYS OR THE NUMBER OF WORKING DAYS GIVEN IN THE APPROVED PROJECT SCHEDULE. THE COST OF COMPLIANCE WITH THIS REQUIREMENT SHALL BE INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
8. THE CONTRACTOR IS REQUIRED TO NOTIFY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, DISTRICT ONE, BUREAU OF TRAFFIC AND THE COMMISSIONER OF ANY DAMAGE TO TRAFFIC CONTROL DEVICES.
9. FOR ADDITIONAL MOT NOTES, SEE MOT-1

LANDSCAPING NOTES

1. THE CONTRACTOR IS REQUIRED TO OBTAIN A PERMIT TO REMOVE, PLANT, SPRAY, TRIM, PRUNE, OR IN ANY WAY AFFECT THE GENERAL HEALTH OR STRUCTURE OF TREES IN THE PUBLIC WAY. THIS PERMIT MAY BE OBTAINED FROM THE DEPUTY COMMISSIONER OF CITY OF CHICAGO BUREAU OF FORESTRY.
2. TREES MUST BE TAGGED BY C.D.O.T. CONTACT JEFF BRINK AT (312) 744-7844.
3. WHEN DIRECTED BY THE ENGINEER, SUPPLEMENTAL WATERING SHALL BE APPLIED TO ALL SODDED, SEEDED, AND PLUGGED AREAS PRIOR TO FINAL ACCEPTANCE AT A RATE SPECIFIED BY THE ENGINEER.
4. THE CONTRACTOR SHALL ADHERE TO THE LIMITS OF RESTORATION SHOWN. AREAS OUTSIDE THESE LIMITS THAT ARE DAMAGED OR DISTURBED BY THE CONTRACTOR SHALL BE RESTORED BY THE CONTRACTOR AT HIS EXPENSE, AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

EROSION AND SEDIMENT CONTROL

1. ALL VEGETATIVE AND STRUCTURAL EROSION CONTROL PRACTICES SHALL BE CONSTRUCTED AND MAINTAINED IN ACCORDANCE WITH THE MINIMUM STANDARDS AND SPECIFICATIONS OF THE ILLINOIS URBAN MANUAL.
2. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS AND THE USE OF TEMPORARY OR PERMANENT MEASURES.
3. THE CONTRACTOR SHALL INSPECT ALL EROSION CONTROL MEASURES PERIODICALLY AND AFTER EACH RUNOFF-PRODUCING RAINFALL EVENT. ANY NECESSARY REPAIRS OR CLEANUP TO MAINTAIN THE EFFECTIVENESS OF SAID MEASURES SHALL BE MADE IMMEDIATELY.
4. THE MAINTENANCE AND REPAIR OR REPLACEMENT OF EROSION CONTROL ITEMS, WHEN DIRECTED BY THE ENGINEER, WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST OF THE ASSOCIATED PAY ITEMS.
5. ALL STORM SEWER FACILITIES THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED, FILTERED OR OTHERWISE TREATED TO REMOVE SEDIMENT. MUD AND SEDIMENT DEPOSITS SHALL BE REMOVED FROM THE ROADWAY AT THE END OF EACH WORK DAY BY SHOVELING AND/OR SWEEPING.
6. ALL SLOPES SHALL BE COVERED WITH SEED AS SOON AS GRADING AND PLACEMENT OF TOPSOIL HAS BEEN COMPLETED. THE LIMITS OF THE SEEDING SHALL BE THE LIMITS OF GRADING.
7. CATCH-ALL INLET FILTERS SHALL BE PLACED ON ALL CATCH BASINS, INLETS, AND MANHOLES WITH OPEN GRATES.
8. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER.
9. SEE STANDARD 280001-07 FOR ADDITIONAL SOIL EROSION AND SEDIMENT CONTROL DETAILS AND REQUIREMENTS.
10. THE CONTRACTOR SHALL TAKE ALL PRECAUTIONS TO PREVENT POLLUTION OF STORM WATER AND SHALL FOLLOW IEPA & IDOT CONSTRUCTION MEMORANDUM NO. 02-60.
11. TREE PROTECTION SHALL CONSIST OF ITEMS "TREE PROTECTION" AND "ROOT PRUNING" AS DIRECTED BY THE ENGINEER AND AS SHOWN IN THE DETAIL DRAWINGS. TEMPORARY FENCING SHALL BE ERECTED ALONG THE DRIP LINE OF EXISTING TREES TO REMAIN WITHIN THE LIMITS OF CONSTRUCTION. AFTER TREES ARE SAFELY FENCED, NOTHING IS TO BE STORED, DRIVEN, OR DISTURBED INSIDE THE FENCE. REMOVE PROTECTIVE TEMPORARY FENCE ONLY AFTER ALL CONSTRUCTION WORK HAS BEEN COMPLETED.
12. A COPY OF THE APPROVED EROSION AND SEDIMENT CONTROL PLAN SHALL BE MAINTAINED ON SITE AT ALL TIMES.
13. ALL TEMPORARY EROSION AND SEDIMENT CONTROL MEASURES SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL SITE STABILIZATION IS ACHIEVED OR AFTER THE TEMPORARY MEASURES ARE NO LONGER NEEDED, AS DETERMINED BY THE ENGINEER.

ADA NOTES

1. FOR THE LATEST CITY OF CHICAGO ADA REQUIREMENTS FOR THE PLANS GO TO WWW.CITYOFCHICAGO.ORG, CLICK ON "TRANSPORTATION" UNDER THE "GOVERNMENT" TAB AT THE TOP, THEN CLICK ON "RULES AND REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY" IN THE RELATED LINKS SECTION. THE MOST RECENT ADA CONSTRUCTION STANDARDS ARE INCLUDED IN APPENDIX B OF THE LATEST AVAILABLE VERSION OF THE RULES AND REGULATIONS FOR CONSTRUCTION IN THE PUBLIC WAY.

ELECTRICAL NOTES

FOR ELECTRICAL GENERAL NOTES, SEE E-2 .

#	ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
1	CDOT2010010	ROOT PRUNING	FOOT	750
2	CDOT2010020	TREE PROTECTION	EACH	63
3	CDOT2010030	TREE REMOVAL (1 TO 6 UNITS DIAMETER)	UNIT	10
4	********	TREE REMOVAL (7 TO 15 UNITS DIAMETER)	UNIT	8
5	20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1
6	20200100	EARTH EXCAVATION	CU YD	647
7	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	11
8	20800150	TRENCH BACKFILL	CU YD	220
9	CDOT2110010	PULVERIZED TOPSOIL MIX	CU YD	55
10	CDOT3110010	SAND CUSHION, VARIABLE DEPTH	CU YD	521
11	CDOT3110020	STRUCTURAL SOIL	CU YD	38
12	31101400	SUBBASE GRANULAR MATERIAL, TYPE B 6"	SQ YD	4,483
13	35300400	PORTLAND CEMENT CONCRETE BASE COURSE 9"	SQ YD	945
14	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	7,279
15	40600370	LONGITUDINAL JOINT SEALANT	FOOT	7,279
16	40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	132
17	40600990	TEMPORARY RAMP	SQ YD	132
18	40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	1,328
19	40604062	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70	TON	886
20	CDOT4230010	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	582
21	CDOT4230030	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE ALLEY PAVEMENT, 8 INCH	SQ YD	474
22	CDOT4240010	PORTLAND CEMENT CONCRETE SIDEWALK, 5-INCH	SQ FT	62,327
23	CDOT4240030	PORTLAND CEMENT CONCRETE ADA RAMP, 5-INCH	SQ FT	1,478
24	CDOT4240040	PORTLAND CEMENT CONCRETE ADA RAMP, 8-INCH	SQ FT	3,828
25	CDOT4240055	LINEAR DETECTABLE WARNING TILES (CAST IRON)	SQ FT	616
26	CDOT4240070	PROPERTY LINE CURB	FOOT	408
27	CDOT4400010	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	9,590
28	44000100	PAVEMENT REMOVAL	SQ YD	3,250
29	44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	5,248
30	CDOT5870010	PROTECTIVE CONCRETE SEALER	SQ YD	10,557
31	CDOT6020010	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID (CITY OF CHICAGO)	EACH	25
32	CDOT6050010	REMOVING MANHOLES	EACH	5
33	CDOT6050020	REMOVING CATCH BASINS	EACH	26
34	CDOT6050030	REMOVING INLETS	EACH	6
35	CDOT6060020	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12	FOOT	5,618

#	ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
36	CDOT6640010	TEMPORARY CHAIN LINK FENCE WITH SCREENING, 6'	FOOT	2,620
37	CDOT6640030	RELOCATE TEMPORARY CHAIN LINK FENCE WITH SCREENING	FOOT	7,770
38	66900200	NON-SPECIAL WASTE DISPOSAL	CU YD	350
39	66900530	SOIL DISPOSAL ANALYSIS	EACH	15
40	66901001	REGULATED SUBSTANCES PRE-CONSTRUCTION PLAN	L SUM	1
41	66901003	REGULATED SUBSTANCES FINAL CONSTRUCTION REPORT	L SUM	1
42	66901006	REGULATED SUBSTANCES MONITORING	CAL DA	135
43	CDOT6700010	ENGINEER'S FIELD OFFICE	CAL MO	13
44	67100100	MOBILIZATION	L SUM	1
45	70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12
46	70107004	PAVEMENT MARKING BLACKOUT TAPE, 4"	FOOT	1,385
47	70107024	PAVEMENT MARKING BLACKOUT TAPE, 24"	FOOT	23
48	70300100	SHORT TERM PAVEMENT MARKING	FOOT	7,440
49	70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	2,987
50	70300211	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS - PAINT	SQ FT	84
51	70300221	TEMPORARY PAVEMENT MARKING - LINE 4" - PAINT	FOOT	21,151
52	70300281	TEMPORARY PAVEMENT MARKING - LINE 24" - PAINT	FOOT	411
53	78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	122
54	78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	5,238
55	78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	1,313
56	78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	704
57	78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	278
58	78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	7,886
59	X0323577	SANITARY SEWER TELEVISION INSPECTION, VIDEOTAPING AND RECORDING	FOOT	685
60	X0327989	REMOVE EXISTING BRICK PAVERS	SQ FT	301
61	X2200020	FENCE REMOVAL AND REINSTALLATION	FOOT	13
62	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
63	Z0013798	CONSTRUCTION LAYOUT	L SUM	1
64	Z0036200	PAINT CURB	FOOT	167
65	Z0076100	TRACK REMOVAL	FOOT	15
66	*******	MAINTENANCE OF ACCESS TO ABUTTING PROPERTY	L SUM	1
67	*******	EXPLORATORY EXCAVATION	EACH	130
68	*******	CLASS B PATCHES, TYPE I, 9 INCH	SQ YD	77
69	*******	CLASS B PATCHES, TYPE II, 9 INCH	SQ YD	90
70	*******	CLASS B PATCHES, TYPE III, 9 INCH	SQ YD	200

MODEL: Default
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DESIGNED - A. GIBSON
DRAWN - J. WORTHINGTON
CHECKED - M. ALSHARBINI
DATE - 08-12-2022

REVISED BY	DATE	DESCRIPTION

PLOT DATE= 8/12/2022

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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

SUMMARY OF QUANTITIES

SCALE: NO SCALE | SHEET G-4 OF G-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **G-4**
SHEET NO. 5 OF 207

#	ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
71	********	CLASS B PATCHES, TYPE IV, 9 INCH	SQ YD	26
72	********	DRILL AND GROUT #5 TIE BARS	EACH	4,411
73	********	SUBBASE GRANULAR MATERIAL, TYPE B, VARIABLE DEPTH	CU YD	142
74	********	HIGH EARLY STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT, 12 INCH (BUS PAD)	SQ YD	1,000
75	********	SIDEWALK REMOVAL	SQ FT	69,252
76	********	DECORATIVE CROSSWALK SURFACING SYSTEM	SQ YD	233
77	********	DRIVEWAY AND ALLEY PAVEMENT REMOVAL	SQ YD	991
78	********	METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN	SQ FT	10,989
79	********	METHYL METHACRYLATE PAVEMENT COLORIZATION, WHITE	SQ FT	410
80	********	CATCH BASINS TO BE ADJUSTED	EACH	8
81	********	MANHOLES TO BE ADJUSTED	EACH	23
82	********	VALVE VAULTS TO BE ADJUSTED	EACH	6
83	********	STORM SEWERS, TYPE 1, 8-INCH (DUCTILE IRON PIPE)	FOOT	30
84	********	STORM SEWERS, TYPE 1, 8-INCH (VITRIFIED CLAY PIPE)	FOOT	38
85	********	STORM SEWERS, TYPE 2, 8-INCH (DUCTILE IRON PIPE)	FOOT	474
86	********	STORM SEWERS, TYPE 2, 8-INCH (VITRIFIED CLAY PIPE)	FOOT	12
87	********	STORM SEWER REMOVAL	FOOT	603
88	********	ADJUST FRAME AND LID	EACH	1
89	********	TRENCH AND BACKFILL WITH SCREENINGS	FOOT	8,655
90	********	ELECTRICAL HANDHOLE, 30", 24" FRAME AND LID	EACH	9
91	********	ELECTRICAL HANDHOLE, HEAVY DUTY, 36" X 36",24" FRAME AND LID	EACH	4
92	********	ELECTRICAL MANHOLE 3'X4'X4' WITH 24 FRAME AND LID	EACH	4
93	********	DRILL EXISTING MANHOLE OR HANDHOLE	EACH	2
94	********	CLEAN EXISTING MANHOLE OR HANDHOLE	EACH	2
95	********	CONDUIT IN TRENCH, 2" GALVANIZED STEEL	FOOT	24
96	********	PVC CONDUIT IN TRENCH, 2", (SCHEDULE 80)	FOOT	6,889
97	********	PVC CONDUIT IN TRENCH, 3", (SCHEDULE 80)	FOOT	3,374
98	********	CONCRETE FOUNDATION FOR BASE MOUNTED "SUPER P" CABINET	EACH	2
99	********	CONCRETE FOUNDATION FOR BASE MOUNTED STREET LIGHT CONTROLLER CABINET	EACH	2
100	********	CONCRETE FOUNDATION, 20" X 5' WITH 3/4" A.R.	EACH	8
101	********	CONCRETE FOUNDATION, 24" X 9' WITH 1 1/4" ANCHOR RODS	EACH	8
102	********	CONCRETE FOUNDATION, 28" X 7' W/1/4" , ANCHOR BASE	EACH	68
103	********	HELIX FOUNDATION, 5 FT W/ 10" B.C.	EACH	1
104	********	ELBOW, CONDUIT STEEL ON POLE, 2"	EACH	3
105	********	ELBOW, CONDUIT STEEL ON POLE, 3"	EACH	2

#	ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
106	********	INTERCEPT EXISTING CONDUIT	EACH	1
107	********	COILABLE CONDUIT, HDPE#80, DIRECTIONAL BORING, 2"	FOOT	300
108	********	COILABLE CONDUIT, HDPE#80, DIRECTIONAL BORING, 3"	FOOT	24
109	********	ANCHOR BASE STEEL POLE, 10" DIA, 3GA, 34'6"	EACH	48
110	********	SERVICE ENTRANCE HEAD ON A POLE TOP, 3"	EACH	2
111	********	CONDUIT RISER UP POLE 2"	EACH	3
112	********	CONDUIT RISER UP POLE 3"	EACH	2
113	********	CIRCUIT BREAKER - 1POLE, 70A	EACH	4
114	********	CIRCUIT BREAKER, 1-POLE, 30A	EACH	1
115	********	SERVICE INSTALLATION 100 AMP	EACH	1
116	********	SERVICE INSTALLATION - 200 AMP	EACH	2
117	********	CABLE IN CONDUIT, 1/C #4	FOOT	4,076
118	********	CABLE IN CONDUIT, 1/C #2/0	FOOT	1,374
119	********	INSULATED GROUND CABLE IN CONDUIT, 1-1C#6	FOOT	2,038
120	********	ELECTRIC CABLE IN CONDUIT, TRIPLEX, 2 1/C NO.6, 1/C NO.8	FOOT	7,097
121	********	SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION, BRACKET MOUNTED	EACH	12
122	********	SIGNAL HEAD, POLYCARBONATE, LED, 3-SECTION, MAST ARM MOUNTED	EACH	16
123	********	PEDESTRIAN SIGNAL HEAD, POLYCARBONATE, LED, COUNTDOWN, BRACKET MOUNTED	EACH	16
124	********	JUNCTION BOX, POLE OR POST MOUNTED	EACH	16
125	********	MAST ARM, STEEL MONOTUBE, 20 FOOT	EACH	3
126	********	MAST ARM, STEEL MONOTUBE, 26 FOOT	EACH	5
127	********	TRAFFIC SIGNAL POST, ALUMINUM 17 FOOT	EACH	8
128	********	ELECTRIC CABLE IN CONDUIT, #4 2/C	FOOT	180
129	********	ELECTRIC CABLE IN CONDUIT, #14 19/C	FOOT	1,559
130	********	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - COMMERCIAL & 92ND	L SUM	1
131	********	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT - COMMERCIAL & 91ST	L SUM	1
132	********	CONTROLLER, STREET LIGHT, BASE MOUNTED, 1 PHASE, 200 AMP	EACH	2
133	********	ATC CONTROLLER, TRAFFIC, 16 LOAD BAY, "SUPER P" CABINET, UPS	EACH	2
134	********	JUNCTION BOX, TSS-18	EACH	1
135	********	JUNCTION BOX CONNECTION AT TSS-18	EACH	1
136	********	DEADEND CABLE ASSEMBLY W/ STRANDVISE	EACH	2
137	********	REM POLE, STEEL, EMBEDDED, 7 GA, 35	EACH	41
138	********	REMOVE RISER	EACH	4
139	********	REMOVE LUMINAIRE	EACH	51
140	********	REMOVE MAST ARM, 12'	EACH	51

#	ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
141	********	ELECTRICAL SERVICE EQUIPMENT REMOVAL ON CECO POLE	EACH	1
142	********	REMOVE POLE MOUNTED STREET LIGHTING CONTROLLER	EACH	2
143	********	REMOVE BRANCH WIRES/CABLES, 2 #6	FOOT	5,265
144	********	REMOVE BASE MOUNTED CONTROLLER	EACH	1
145	********	BREAKDOWN EXISTING HANDHOLE	EACH	5
146	********	BREAKDOWN MANHOLE IN PAVEMENT	EACH	2
147	********	BREAKDOWN TRAFFIC SIGNAL FOUNDATION, TYPE A	EACH	3
148	********	BREAKDOWN TRAFFIC SIGNAL FOUNDATION, TYPE B	EACH	9
149	********	BREAKDOWN FOUNDATION, CONTROLLER	EACH	1
150	********	BREAKDOWN FOUNDATION FOR BASE MOUNTED CONTROLLER	EACH	2
151	********	RESIDENTIAL ALUMINIUM DAVIT POLE, 12'5"	EACH	1
152	********	DAVIT ARM ALUMINIUM, 4.5" DIA, 8'	EACH	1
153	********	GATEWAY BASE FOR 34'6" POLE	EACH	40
154	********	LUMINAIRE, LED, RESIDENTIAL, 240V	EACH	1
155	********	CHICAGO 2000 ARM ASSEMBLY 10"	EACH	50
156	********	CHICAGO 2000 PENDANT LUMINAIRE, LED	EACH	50
157	********	CHICAGO 2000 14' PED POLE	EACH	28
158	********	CHICAGO 2000 PED POLE BASE	EACH	28
159	********	CHICAGO 2000 PED POLE LUMINAIRE	EACH	28
160	********	LUMINAIRE, LED, RES, ACORN W/ARM	EACH	1
161	********	SMART LIGHTING CONTROL NODES, EXTERNAL	EACH	79
162	********	MAINTAIN LIGHTING SYSTEM	L SUM	1
163	********	CABLE IN CONDUIT, 25PR, FA	FOOT	510
164	********	CABLE IN CONDUIT, 50PR, FA	FOOT	600
165	********	SPLICE BR W/RPRMN, 50PR	EACH	1
166	********	REMOVE AERIAL CABLE-FA/PC	FOOT	741
167	********	ACCESSIBLE PEDESTRIAN SIGNAL	EACH	16
168	********	MAINTENANCE OF EXISTING TRAFFIC SIGNAL AND FIRE ALARM	EACH	1
169	********	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2
170	********	TECHNOLOGY ENHANCEMENTS	EACH	2
171	********	REMOVE SIGN PANEL ASSEMBLY AND SALVAGE	EACH	16
172	********	REMOVE SIGN PANEL AND SALVAGE	EACH	46
173	********	FURNISH AND INSTALL POLE AND BASE	EACH	39
174	********	SIGN PANEL, TYPE 1, NON-RETROREFLECTIVE, TYPE A, DOUBLE-SIDED	SQ FT	77
175	********	SIGN PANEL, TYPE 1, RETROREFLECTIVE, TYPE A, SINGLE-SIDED	SQ FT	148

#	ITEM #	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
176	********	STREET NAME SIGNS	SQ FT	45
177	********	LAVA ROCK MULCH	CU YD	66
178	********	AIR TILLING	SQ YD	462
179	********	ARBORIST INSPECTION	L SUM	1
180	********	TREE PRUNING (1 TO 10 INCH DIAMETER)	EACH	56
181	********	TREE PRUNING (OVER 10 INCH DIAMETER)	EACH	7
182	********	PLANTER SOIL MIX	CU YD	9
183	********	TREE, 2-1/2" CALIPER, B&B, GINGKO BILOBA (MAIDENHAIR TREE)	EACH	7
184	********	TREE, 2-1/2" CALIPER, B&B, GYMNOCLADUS DIOICA (KENTUCKY COFFEETREE)	EACH	8
185	********	TREE, 2-1/2" CALIPER, B&B, CELTIS OCCIDENTALIS CHICAGOLAND (CHICAGOLAND HACKBERRY)	EACH	5
186	********	TREE, 2-1/2" CALIPER, B&B, QUERCUS IMBRICARIA (SHINGLE OAK)	EACH	7
187	********	TREE, 2-1/2" CALIPER, B&B, TAXODIUM DISTICHUM MICKELSON TM (SHAWNEE BRAVE BALD CYPRESS)	EACH	7
188	********	TREE, 2-1/2" CALIPER, B&B, ULMUS MINOR (NEW HORIZON ELM)	EACH	3
189	********	TREE, 2-1/2" CALIPER, B&B, SYRINGA RETICULATA (IVORY SILK JAPANESE TREE LILAC)	EACH	2
190	********	TRASH RECEPTACLES	EACH	16
191	********	DECORATIVE METAL LIGHT POLE IDENTIFIERS	EACH	23
192	********	PAVERS ON SLAB	SQ FT	10,542
193	********	CAST BRONZE SIDEWALK PLAQUES	EACH	5
194	********	DECORATIVE METAL BENCH	EACH	1
195	********	PLANTERS	EACH	21
196	********	BICYCLE RACK WITH LOGO	EACH	9
197	********	PIPE BOLLARD, SPECIAL	EACH	3
198	********	MOVABLE PLANTER, ANNUAL ROTATION	EACH	21
199	********	VAULTED SIDEWALK CORING	EACH	3
200	********	SIDEWALK REMOVAL, VAULTED	SQ FT	3,997
201	********	POROUS GRANULAR BACKFILL (VAULTS)	CU YD	750
202	********	CONCRETE MASONRY UNITS, BLOCK INFILL, 8 INCH	SQ FT	800

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DESIGNED - A. GIBSON			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE= 8/19/2022

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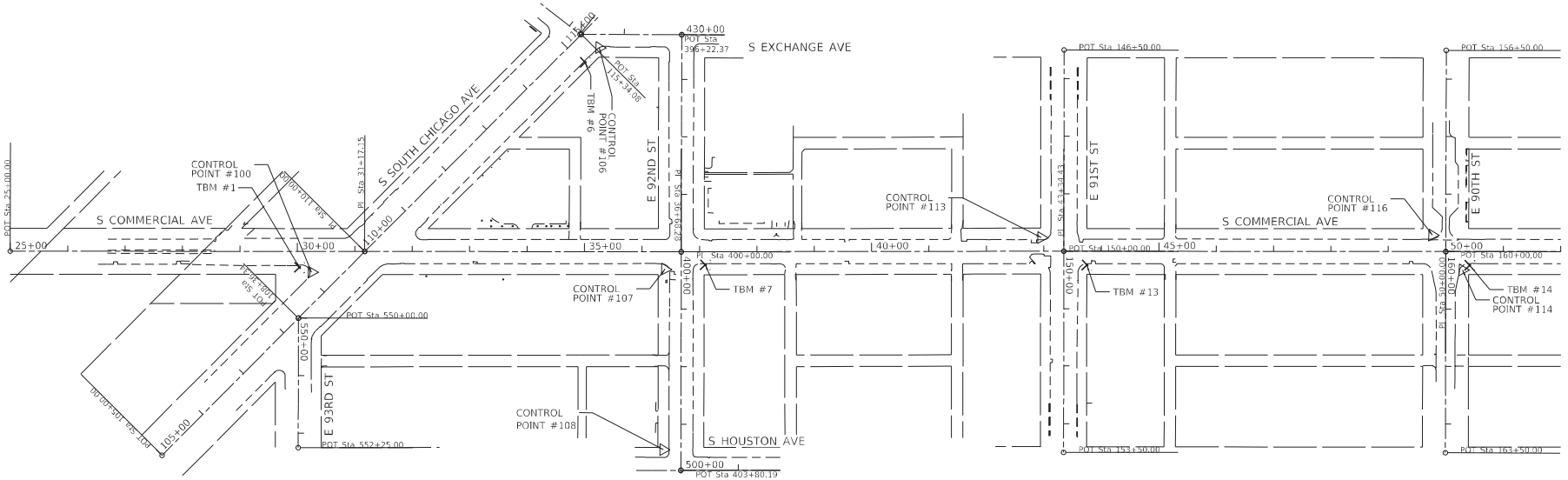
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

SUMMARY OF QUANTITIES

SCALE: NO SCALE | SHEET G-6 OF G-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **G-6**
SHEET NO. 7 OF 207



LEGEND

EXISTING R.O.W

CONTROL POINT △

BENCHMARK ×

BM #	DESCRIPTION	LOCATION	ELEV.
TBM #1	TBM	CHISELED SQUARE CUT ON N. SIDE CONC BASE OF TRAFFIC SIGNAL AT SE CORNER COMMERCIAL AVE & S CHICAGO AVE.	11.152
TBM #6	TBM	CHAIN BOLT OF HYDRANT AT NE CORNER S SOUTH CHICAGO & S EXCHANGE AVE	13.275
TBM #7	TBM	CHAIN BOLT OF HYDRANT AT NE CORNER 92ND ST & COMMERCIAL AVE	13.874
TBM #13	TBM	CHAIN BOLT OF HYDRANT AT NE CORNER 91ST ST. & S COMMERCIAL AVE	13.822
TBM #14	TBM	NLY BOLT OF HYDRANT AT NE CORNER 90TH ST & COMMERCIAL AVE	12.815

ELEVATIONS ARE CHICAGO CITY DATUM

COMMERCIAL AVENUE			
STATION	NORTHING	EASTING	TYPE
25+00.00	1843366.280	1197776.394	POT
31+17.15	1843983.216	1197760.019	PI
36+68.28	1844534.150	1197745.295	PI
43+34.43	1845200.020	1197725.931	PI
50+00.00	1845865.353	1197708.356	PI

SOUTH CHICAGO AVENUE			
STATION	NORTHING	EASTING	TYPE
105+00.00	1843640.484	1198124.073	POT
108+36.34	1843871.034	1197879.180	POT
110+00.00	1843983.216	1197760.019	PI
115+34.08	1844350.080	1197371.879	POT

91ST STREET			
STATION	NORTHING	EASTING	TYPE
146+50.00	1845190.894	1197376.050	POT
150+00.00	1845200.020	1197725.931	POT
153+50.00	1845209.145	1198075.812	POT

93RD STREET			
STATION	NORTHING	EASTING	TYPE
550+00.00	1843871.034	1197879.180	POT
552+25.00	1843876.813	1198104.105	POT

92ND STREET			
STATION	NORTHING	EASTING	TYPE
396+22.37	1844524.566	1197367.788	POT
400+00.00	1844534.150	1197745.295	PI
403+80.19	1844543.875	1198125.356	POT

90TH STREET			
STATION	NORTHING	EASTING	TYPE
156+50.00	1845856.510	1197358.468	POT
160+00.00	1845865.353	1197708.356	POT
163+50.00	1845874.195	1198058.244	POT

0 100 200 300
SCALE IN FEET

DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

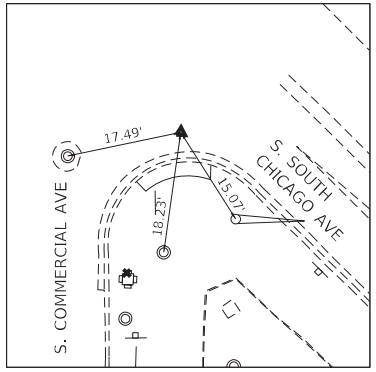
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ALIGNMENT, TIES, CONTROL POINTS AND BENCHMARKS

SCALE: 1" = 100' | SHEET C-1 OF C-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

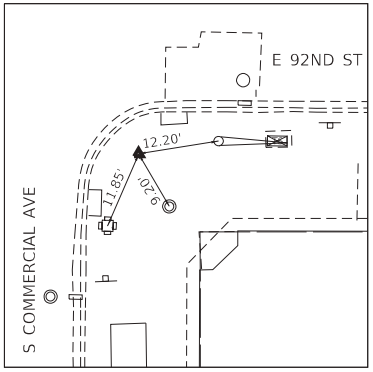
DRAWING NO. **C-1**

SHEET NO. 8 OF 207



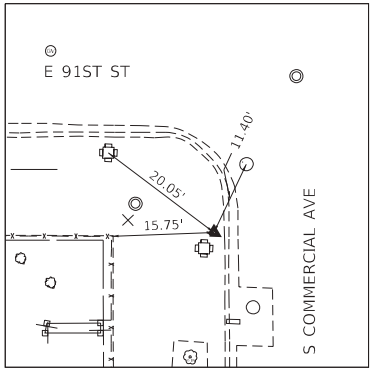
CONTROL POINT #100

N = 1843891.704
E = 1197798.687
ELEV = 11.203
STA 30+24.65, 36.27' RT
CUT CROSS IN CONCRETE WALK AT SE CORNER
OF S COMMERCIAL AND S. SOUTH CHICAGO



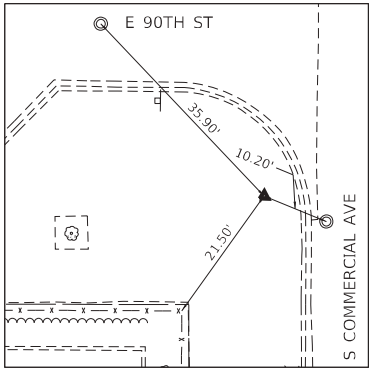
CONTROL POINT #107

N = 1844506.684
E = 1197776.36
ELEV = 12.57
STA 36+40.00, 30.32' RT
CUT CROSS IN CONCRETE WALK AT SE
CORNER OF S COMMERCIAL AND 92ND



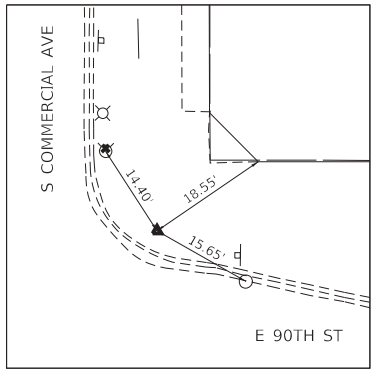
CONTROL POINT #113

N = 1845160.627
E = 1197703.422
ELEV = 13.822
STA 42+95.72 23.64' LT
CUT CROSS IN CONCRETE WALK AT SW
CORNER OF S COMMERCIAL AND E 91ST



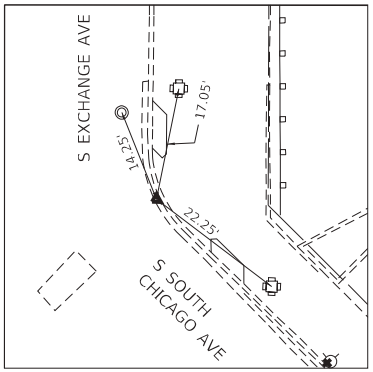
CONTROL POINT #116

N = 1845841.074
E = 1197680.427
ELEV = 12.429
STA 49+76.47, 28.56' LT
CUT CROSS IN CONCRETE WALK AT SW
CORNER OF S COMMERCIAL AND E 90TH



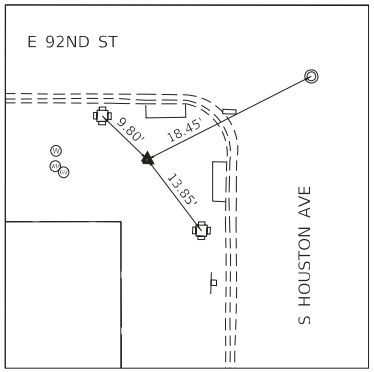
CONTROL POINT #114

N = 1845895.469
E = 1197739.45
ELEV = 12.057
STA 50+29.24, 31.92' RT
CUT CROSS IN CONCRETE WALK AT NE
CORNER OF S COMMERCIAL AND E 90TH



CONTROL POINT #106

N = 1844382.171
E = 1197394.258
ELEV = 11.827
STA 396+45.22, 143.02' RT
CHISELED X IN CONCRETE WALK AT NE
CORNER OF SOUTH CHICAGO AND EXGANGE



CONTROL POINT #108

N = 1844512.327
E = 1198090.191
ELEV = 12.261
STA 403+44.22, 30.64' RT
CHISELED X IN CONRETE WALK AT SW
CORNER OF HOUSTON AND 92ND

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DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

Ardmore Roderick

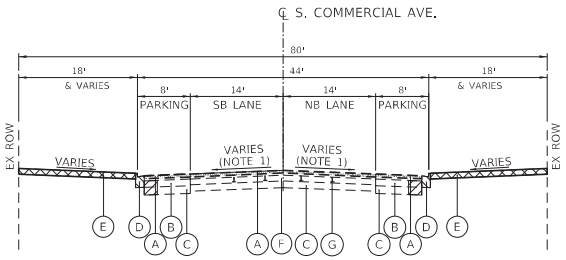
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

ALIGNMENT, TIES, CONTROL POINTS AND BENCHMARKS

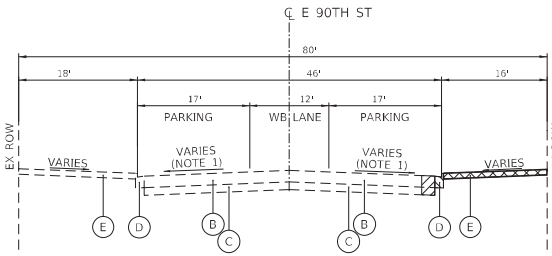
SCALE: 1" = 100' | SHEET C-2 OF C-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **C-2**
SHEET NO. 9 OF 207



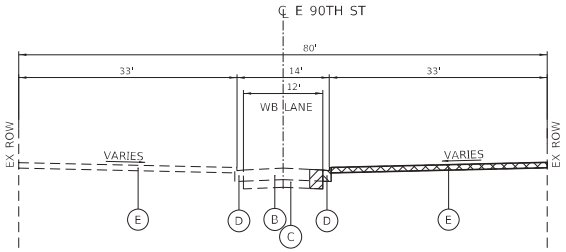
EXISTING TYPICAL SECTION

S. COMMERCAL AVE.
STA. 32+07.40 TO STA. 49+58.00
NORTH OF S. CHICAGO AVE. TO SOUTH OF E. 90TH ST.
(LOOKING NORTH)



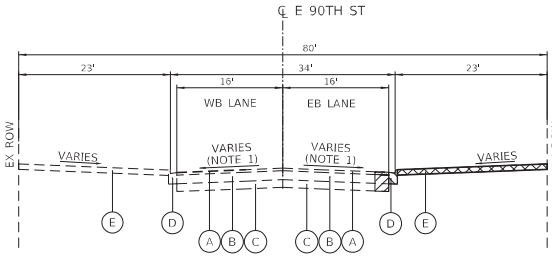
EXISTING TYPICAL SECTION

E. 90TH ST.
STA. 157+91.39 TO STA. 159+00.00
WEST OF S. COMMERCIAL AVE.
(LOOKING EAST)



EXISTING TYPICAL SECTION

E. 90TH ST.
STA. 159+00.00 TO STA. 160+00.00
WEST OF S. COMMERCIAL AVE.
(LOOKING EAST)



EXISTING TYPICAL SECTION

E. 90TH ST.
STA. 160+00.00 TO STA. 162+14.09
EAST OF S. COMMERCIAL AVE.
(LOOKING EAST)

EXISTING LEGEND

- (A) HMA SURFACE COURSE
- (B) PORTLAND CEMENT CONCRETE PAVEMENT
- (C) AGGREGATE SUBBASE
- (D) TYPE B-V,12 CURB AND GUTTER
- (E) PORTLAND CEMENT CONCRETE SIDEWALK
- (F) GRANITE (SEE NOTE 1)
- (G) STREET CAR TRACKS (SEE NOTE 2)
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (CDOT4400010)
- SIDEWALK REMOVAL (44000600)
- PAVEMENT REMOVAL (44000100)
- COMBINATION CURB AND GUTTER REMOVAL (44000500)

NOTES:

1. BASED ON AVAILABLE CONSTRUCTION DATA.
2. EXISTING STREET CAR TRACK LOCATIONS ARE APPROXIMATE AND WILL REMAIN IN PLACE.

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DESIGNED - J. MAJCHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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35 W Wacker Drive, Suite 3300
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312-565-0450 Job No. 10812 S1

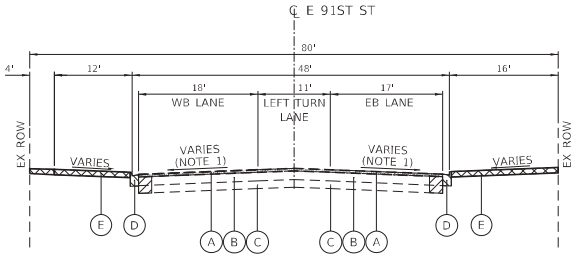
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

EXISTING TYPICAL SECTIONS
S COMMERCIAL AVE

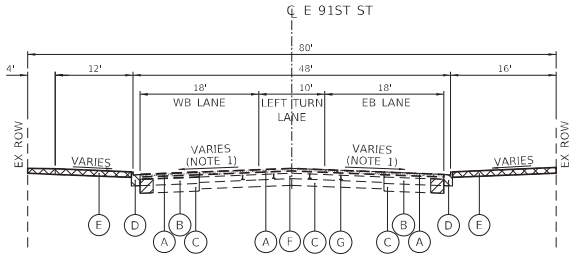
SCALE: NTS | SHEET C-3 OF C-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **C-3**
SHEET NO. 10 OF 207



EXISTING TYPICAL SECTION

E. 91ST ST.
STA. 148+01.80 TO STA. 150+00.00
WEST OF S. COMMERCIAL AVE.
(LOOKING EAST)



EXISTING TYPICAL SECTION

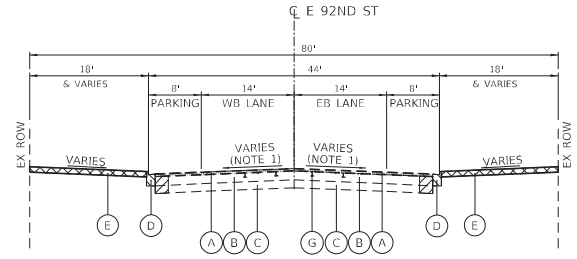
E. 91ST ST.
STA. 150+00.00 TO STA. 152+00.30
EAST OF S. COMMERCIAL AVE.
(LOOKING EAST)

EXISTING LEGEND

- (A) HMA SURFACE COURSE
- (B) PORTLAND CEMENT CONCRETE PAVEMENT
- (C) AGGREGATE SUBBASE
- (D) TYPE B-V,12 CURB AND GUTTER
- (E) PORTLAND CEMENT CONCRETE SIDEWALK
- (F) GRANITE (SEE NOTE 1)
- (G) STREET CAR TRACKS (SEE NOTE 2)
- HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (CDOT4400010)
- SIDEWALK REMOVAL (44000600)
- PAVEMENT REMOVAL (44000100)
- COMBINATION CURB AND GUTTER REMOVAL (44000500)

NOTES:

1. BASED ON AVAILABLE CONSTRUCTION DATA.
2. EXISTING STREET CAR TRACK LOCATIONS ARE APPROXIMATE AND WILL REMAIN IN PLACE.



EXISTING TYPICAL SECTION

E. 92ND ST.
STA. 398+00.00 TO STA. 402+12.24
NEAR S. COMMERCIAL AVE.
(LOOKING EAST)

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PLOTTED BY: Jeffrey Worthington
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DESIGNED - J. MAJCHER				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE = 8/11/2022

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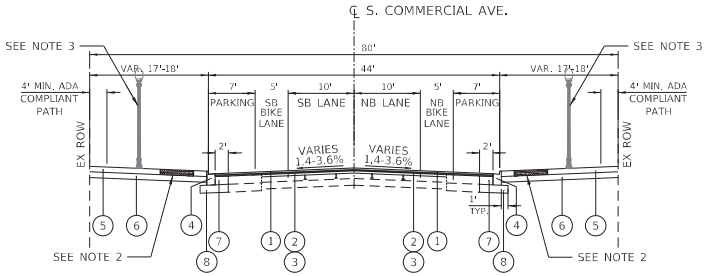
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

EXISTING TYPICAL SECTIONS E 92ND ST & E 91ST ST

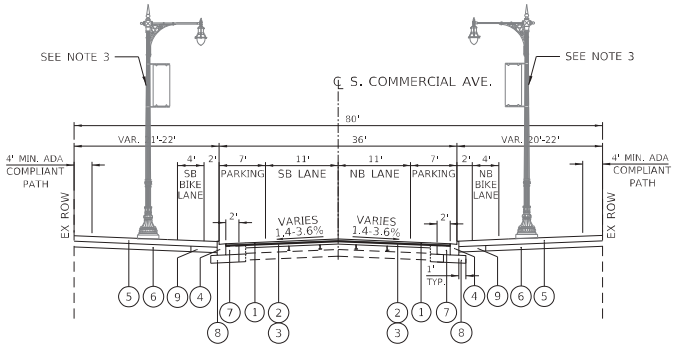
SCALE: NTS | SHEET C-4 OF C-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **C-4**
SHEET NO. 11 OF 207



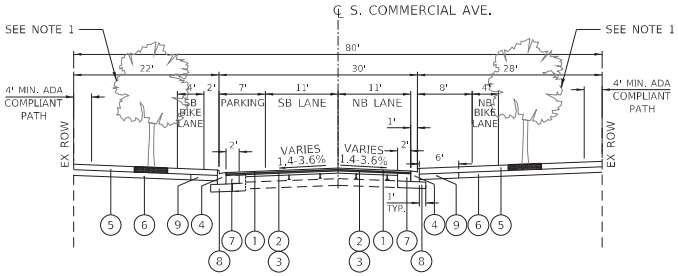
PROPOSED TYPICAL SECTION

S. COMMERCAL AVE.
STA. 32+07 TO STA. 36+34
NORTH OF S. CHICAGO AVE. TO SOUTH OF E. 92ND ST.
(LOOKING NORTH)



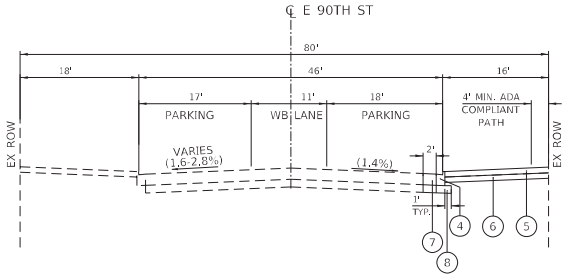
PROPOSED TYPICAL SECTION

S. COMMERCAL AVE.
STA. 37+02 TO STA 48+40
NORTH OF E. 92ND ST. TO SOUTH OF E. 90TH ST.
(LOOKING NORTH)



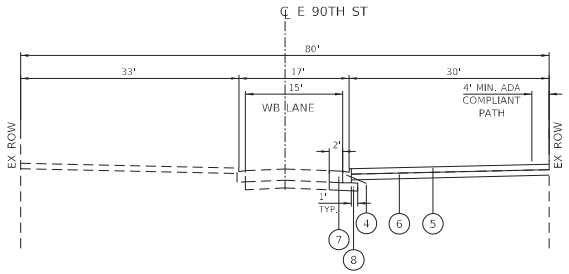
PROPOSED TYPICAL SECTION

S. COMMERCAL AVE.
STA. 48+52 TO STA. 49+58
SOUTH OF E. 90TH ST.
(LOOKING NORTH)



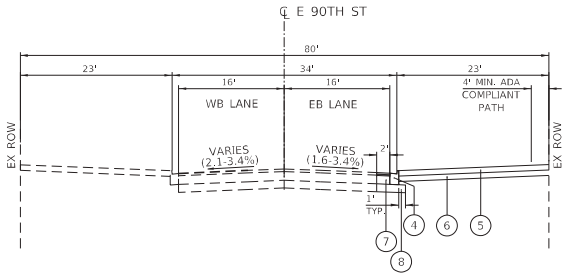
PROPOSED TYPICAL SECTION

E. 90TH ST.
STA. 158+02 TO STA. 159+40
WEST OF S. COMMERCIAL AVE.
(LOOKING EAST)



PROPOSED TYPICAL SECTION

E. 90TH ST.
STA. 159+40 TO STA. 160+00
WEST OF S. COMMERCIAL AVE.
(LOOKING EAST)



PROPOSED TYPICAL SECTION

E. 90TH ST.
STA. 160+00 TO STA. 162+00
EAST OF S. COMMERCIAL AVE.
(LOOKING EAST)

PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2" (40604062)
2. HOT-MIX ASPHALT BINDER COURSE, IL-19,0, N70 2 1/4" (40603085)
3. BITUMINOUS MATERIALS (TACK COAT) (40600290)
4. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V,12 (CDOT6060020)
5. PORTLAND CEMENT CONCRETE SIDEWALK, 5" (CDOT4240010)
6. SAND CUSHION, VARIABLE DEPTH (CDOT3110010)
7. PORTLAND CEMENT CONCRETE BASE COURSE 9" (35300400)
8. SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)
9. SUBBASE GRANULAR MATERIAL, TYPE B, VARIABLE DEPTH (SEE NOTE 4)

NOTES:

1. NOT TYPICAL FOR ENTIRE PROJECT AREA. REFER TO LANDSCAPING PLANS FOR SPECIFIC LOCATIONS OF TREES.
2. NOT TYPICAL FOR ENTIRE PROJECT AREA. REFER TO MATERIAL AND SITE FURNISHING PLANS FOR SPECIFIC LOCATIONS OF PAVERS.
3. NOT TYPICAL FOR ENTIRE PROJECT AREA. REFER TO PROPOSED LIGHTING INSTALLATION PLANS FOR SPECIFIC LOCATIONS OF LIGHT POLES.'
4. SUBBASE GRANULAR MATERIAL, TYPE B IS TO BE PLACED UNDER NEW SIDEWALK WHERE EXISTING SIDEWALK DID NOT EXIST PREVIOUSLY
5. ADA COMPLIANT PATHS SHOULD HAVE MAXIMUM CROSS SLOPE OF 1.56%

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DESIGNED - J. MAJCHER				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE= 8/11/2022

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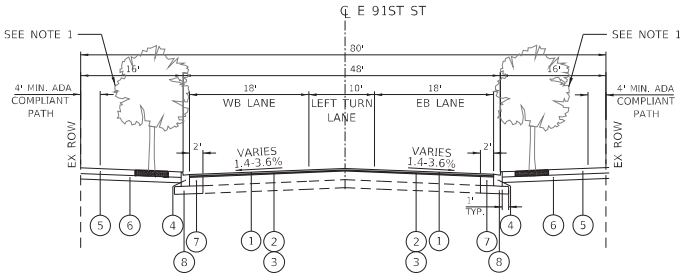
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

PROPOSED TYPICAL SECTIONS
S COMMERCIAL AVE

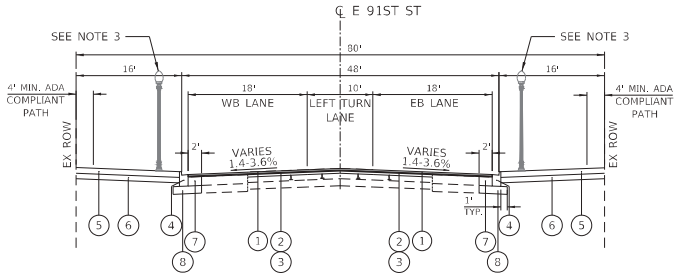
SCALE: NTS | SHEET C-5 OF C-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **C-5**
SHEET NO. 12 OF 207



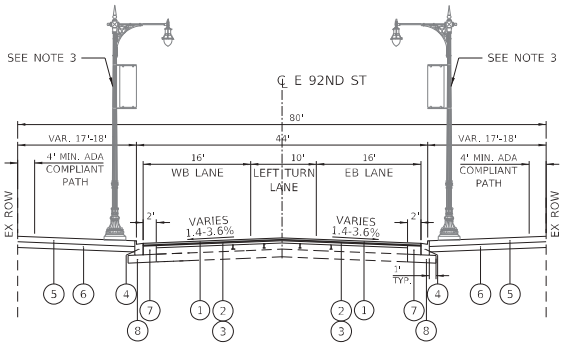
PROPOSED TYPICAL SECTION

E. 91ST ST.
STA. 148+02 TO STA. 150+00
WEST OF S. COMMERCIAL AVE.
(LOOKING EAST)



PROPOSED TYPICAL SECTION

E. 91ST ST.
STA. 150+00 TO STA. 152+00
EAST OF S. COMMERCIAL AVE.
(LOOKING EAST)



PROPOSED TYPICAL SECTION

E. 92ND ST.
STA. 397+96 TO STA. 402+12
AT S. COMMERCIAL AVE.
(LOOKING EAST)

PROPOSED LEGEND

1. HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N70 1 1/2" (40604062)
2. HOT-MIX ASPHALT BINDER COURSE, IL-19,0, N70 2 1/4" (40603085)
3. BITUMINOUS MATERIALS (TACK COAT) (40600290)
4. COMBINATION CONCRETE CURB AND GUTTER, TYPE B-V.12 (CDOT6060020)
5. PORTLAND CEMENT CONCRETE SIDEWALK, 5" (CDOT4240010)
6. SAND CUSHION, VARIABLE DEPTH (CDOT3110010)
7. PORTLAND CEMENT CONCRETE BASE COURSE 9" (35300400)
8. SUBBASE GRANULAR MATERIAL, TYPE B 6" (31101400)
9. SUBBASE GRANULAR MATERIAL, TYPE B, VARIABLE DEPTH (SEE NOTE 4)

NOTES:

1. NOT TYPICAL FOR ENTIRE PROJECT AREA. REFER TO LANDSCAPING PLANS FOR SPECIFIC LOCATIONS OF TREES.
2. NOT TYPICAL FOR ENTIRE PROJECT AREA. REFER TO MATERIAL AND SITE FURNISHING PLANS FOR SPECIFIC LOCATIONS OF PAVERS.
3. NOT TYPICAL FOR ENTIRE PROJECT AREA. REFER TO PROPOSED LIGHTING INSTALLATION PLANS FOR SPECIFIC LOCATIONS OF LIGHT POLES.'
4. SUBBASE GRANULAR MATERIAL, TYPE B IS TO BE PLACED UNDER NEW SIDEWALK WHERE EXISTING SIDEWALK DID NOT EXIST PREVIOUSLY
5. ADA COMPLIANT PATHS SHOULD HAVE MAXIMUM CROSS SLOPE OF 1.56%

HOT-MIX ASPHALT MIXTURE REQUIREMENTS				
	MIXTURE TYPE	THICKNESS	AIR VOIDS AT N_{ini}	QMP
RESURFACING	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	1-1/2"	4 @ 70 GYR.	QC/QA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	2-1/4"	4 @ 70 GYR.	QC/QA
RECONSTRUCTION	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", IL-9.5, N70	1-1/2"	4 @ 70 GYR.	QC/QA
	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	2-1/4"	4 @ 70 GYR.	QC/QA
CROSS-SLOPE CORRECTION	POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70	3/4" min.	4 @ 70 GYR.	QC/QA
QMP DESIGNATIONS: QUALITY CONTROL/QUALITY ASSURANCE (QC/QA) PER LR 1030-2				

THE UNIT WEIGHT USED TO CALCULATE MIXTURE QUANTITIES FOR POLYMERIZED HOT-MIX ASPHALT BINDER COURSE, IL-9.5, N70 IS 110 LB/SQ YD/ IN. THE UNIT WEIGHT USED FOR ALL OTHER HMA MIXTURE QUANTITIES IS 112 LBS/SQ YD/IN.

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATIONS

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PLOT DATE = 8/11/2022

DESIGNED - J. MAJCHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

PROPOSED TYPICAL SECTIONS
E 92ND ST & E 91ST ST

SCALE: NTS | SHEET C-6 OF C-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

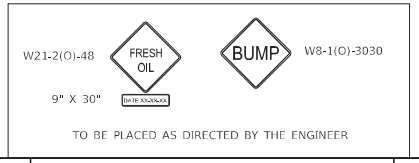
DRAWING NO. **C-6**
SHEET NO. 13 OF 207

MAINTENANCE OF TRAFFIC GENERAL NOTES

1. THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT WHEN WORK COMMENCES, THE CONTRACTOR SHALL ASSUME THE MAINTENANCE OF ANY PAVEMENT, DRAINAGE FACILITIES, TRAFFIC CONTROL SIGNS, AND TRAFFIC WITHIN THE LIMITS OF THE CONTRACT. THE CONTRACTOR SHALL RETAIN THIS MAINTENANCE RESPONSIBILITY UNTIL THE CITY ASSUMES THE MAINTENANCE. ANY SNOW AND ICE CONTROL REQUIRED DURING THE CONSTRUCTION PERIOD SHALL BE PERFORMED BY OTHERS.
2. TRAFFIC CONTROL DEPICTED IN THESE PLANS AND THE APPLICABLE IDOT DETAILS AND STANDARDS ARE THE MINIMUM REQUIREMENTS, OTHER WORK OR SIGNING MAY BE REQUIRED BY THE ENGINEER. TRAFFIC CONTROL AND PROTECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, DIVISION 700: APPLICABLE GUIDELINES IN THE ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS; AND APPLICABLE HIGHWAY STANDARDS FOR TRAFFIC CONTROL, UNLESS HEREIN REVISED.
3. A MINIMUM OF ONE THROUGH LANE MUST BE PROVIDED ON ALL SIDE STREETS, UNLESS SHOWN OTHERWISE ON THE PLANS. THE MAINTENANCE OF DRAINAGE FACILITIES, TRAFFIC CONTROL SIGNS, AND PAVEMENT MARKINGS SHALL BE CONSIDERED INCIDENTAL TO 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
4. DURING CONSTRUCTION OPERATIONS, THE CONTRACTOR SHALL TAKE THE NECESSARY PRECAUTIONS TO PROTECT ADJACENT TRAFFIC LANES OPEN TO TRAFFIC FROM DEBRIS BEING BLOWN OR OTHERWISE REMOVED FROM THE CONSTRUCTION AREAS. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR KEEPING DEBRIS OFF THE ADJACENT TRAVELED LANE SURFACE.
5. TEMPORARY TRAFFIC CONTROL SIGNS MUST BE INSTALLED AT THE DIRECTION AND UNDER THE SUPERVISION OF THE TRAFFIC MANAGEMENT AUTHORITY OF THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATION, SEVEN (7) DAYS NOTICE MUST BE GIVEN TO OEMC FOR DIRECTION OF SIGNING. THE CONTRACTOR SHALL COORDINATE THE MAINTENANCE OF TRAFFIC WITH THAT OF ADJACENT PROJECTS.
6. THE EXACT NUMBER, LOCATION AND SPACING OF ALL SIGNS AND TRAFFIC CONTROL DEVICES SHALL FIT FIELD CONDITIONS AS DIRECTED BY ENGINEER.
7. ALL CONSTRUCTION WARNING SIGNS SHALL HAVE FLUORESCENT ORANGE BACKGROUNDS.
8. 24 in X 18 in "SIDEWALK CLOSED" (R11-1101) SIGNS SHALL BE INSTALLED AT LOCATIONS AS SHOWN ON THE PLANS OR AS DIRECTED BY THE TRAFFIC MANAGEMENT AUTHORITY OF THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATION OR THE COMMISSIONER. THIS COST SHALL BE INCLUDED IN THE COST OF 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)', THE CONSTRUCTION STAGING SHALL BE COORDINATED TO MAINTAIN PEDESTRIAN ACCESS AT ALL TIMES WITH NO ADDITIONAL COST TO THE PROJECT.
9. ADDITIONAL TRAFFIC CONTROL SIGNS MAY BE REQUIRED AS DIRECTED BY THE TRAFFIC MANAGEMENT AUTHORITY OF THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATION. ALL COSTS SHALL BE INCLUDED IN THE COST OF 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
10. ANY SIGNING WORK REQUIRED TO BE DONE BY THE TRAFFIC MANAGEMENT AUTHORITY OF THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATION CREWS WILL BE DONE AT A CHARGE PER SIGN AS PART OF THE CONSTRUCTION PERMIT FEE.
11. BEFORE CONSTRUCTION BEGINS, THE CONTRACTOR MUST WALK THROUGH THE JOB WITH THE AUTHORIZED REPRESENTATIVE OF THE CITY OF CHICAGO TO CONFIRM THE NUMBER OF STREET SIGNS.
12. ALL TRAFFIC CONTROL SIGNS SHALL BE ACCORDING TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES AND SHALL MEET THE APPROVAL OF THE TRAFFIC MANAGEMENT AUTHORITY OF THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATION REGARDING LOCATION, TYPE, SIZE, NUMBER, AND DURATION.
13. TRAFFIC CONTROL SIGNS SHALL BE PLACED AS SHOWN ON THE PLANS OR AS OTHERWISE DIRECTED BY THE TRAFFIC MANAGEMENT AUTHORITY OF THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATION.
14. DRUMS WILL BE REQUIRED ADJACENT TO PAVEMENT EDGES WHERE WIDENING, CURB AND GUTTER, OR OVERLAYING WORK IS BEING DONE, AS SPECIFIED IN SECTION 701 OF THE STANDARD SPECIFICATIONS, EXCEPT THAT THE BARRICADES SHALL BE DRUMS, NON-METALLIC WITH MONO-DIRECTIONAL STEADY-BURN LIGHTS, BARRICADES SHALL BE PLACED AT 50' CENTERS ALONG TANGENTS, 20' CENTERS ALONG TAPERS, AND 10' CENTERS IN CURVES AND RADII UNLESS OTHERWISE DIRECTED BY THE ENGINEER, BARRICADES THAT MUST BE PLACED IN EXCAVATED AREAS SHALL HAVE LEG EXTENSIONS INSTALLED SUCH THAT THE TOPS OF THE BARRICADES ARE IN COMPLIANCE WITH THE HEIGHT REQUIREMENTS OF STANDARD 701901.
15. DRUMS EQUIPPED WITH ONE-WAY FLASHING LIGHTS WILL BE REQUIRED AT ALL OPEN TRENCHES, EXCAVATIONS, OPEN OR EXPOSED SEWER STRUCTURES, AND AT ANY OTHER LOCATIONS DESIGNATED BY THE ENGINEER OR LAW ENFORCEMENT AGENCIES.
16. DRUMS AND BARRICADES SHALL MEET THE REQUIREMENTS OF THE NATIONAL COOPERATIVE HIGHWAY RESEARCH PROGRAM (NCHRP) REPORT 350 AND THE STANDARD SPECIFICATIONS.
17. ALL LIGHTS SHALL MEET THE REQUIREMENTS FOR TYPE A LOW INTENSITY FLASHING LIGHTS IN ARTICLE 1106.02(a) OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING THE HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION SHALL BE USED.
18. TYPE III BARRICADES ARE TO BE PLACED IN ACCORDANCE WITH STANDARD 701901 UNLESS AUTHORIZED BY THE ENGINEER TO USE AN ALTERNATE ARRANGEMENT.
19. THE FIRST WARNING SIGNS IN EACH DIRECTION OF TRAVEL SHALL BE EQUIPPED WITH MONO-DIRECTIONAL AMBER FLASHING LIGHTS DURING HOURS OF DARKNESS. FLAGS ARE OPTIONAL.
20. W21-1(0) "WORKERS" SIGN SHALL ONLY BE ERECTED WHEN WORKERS ARE PRESENT. SIGN MUST BE COVERED OR REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR.
21. "FRESH OIL" SIGNS (W21-2(O)-48) WITH DATE SIGNS SHALL BE ERECTED 48 HOURS PRIOR TO PRIMING ALONG COMMERCIAL AVENUE. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
22. THE COST OF ARROW BOARDS SHALL BE CONSIDERED INCIDENTAL TO 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
23. SIGNS BEYOND THE LIMITS OF CONSTRUCTION SHALL BE PROVIDED IN ACCORDANCE WITH IDOT STANDARD 701501.
24. LANE CLOSURES FOR ALL INTERSECTION IMPROVEMENTS SHALL BE IN ACCORDANCE WITH IDOT STANDARD 701701.
25. FOR ADDITIONAL INFORMATION ON TRAFFIC CONTROL AND SIGNING, REFER TO THE IDOT STANDARDS INCLUDED IN THESE PLANS.

MAINTENANCE OF TRAFFIC GENERAL NOTES (CONT'D)

26. UNLESS OTHERWISE SPECIFIED BY THE COMMISSIONER, ALL TEMPORARY PAVEMENT MARKINGS SHALL BE PAINT.
27. TEMPORARY LETTERS AND SYMBOLS SHALL BE PLACED AS SHOWN ON THE PLANS OR DIRECTED BY THE COMMISSIONER. THIS WORK SHALL BE PAID FOR AS 'TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS'.
28. TEMPORARY PAVEMENT MARKINGS SHALL BE PLACED AS SHOWN ON THE PLANS OR DIRECTED BY THE COMMISSIONER. THIS WORK SHALL BE PAID FOR PER LINEAR FOOT AS 'TEMPORARY PAVEMENT MARKING - LINE 4" ', 'TEMPORARY PAVEMENT MARKING - LINE 6" ', OR 'TEMPORARY PAVEMENT MARKING - LINE 24" '
    STOP BARS SHALL BE 24-INCH WHITE
    CROSSWALKS AND SOLID LANE LINES SHALL BE 4-INCH WHITE
    SKIP-DASH LANE LINES SHALL BE 6-INCH WHITE
29. THE CONTRACTOR SHALL RESTORE THE EXISTING PAVEMENT MARKING DESTROYED DURING CONSTRUCTION AS DIRECTED BY THE COMMISSIONER. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
30. ANY EXISTING PAVEMENT MARKING THAT CONFLICTS WITH THE TEMPORARY PAVEMENT MARKING SHALL BE COVERED BY THE CONTRACTOR. THIS WORK WILL BE PAID FOR PER LINEAL FOOT AS 'PAVEMENT MARKING BLACKOUT TAPE'. REMOVAL OF BLACKOUT TAPE WILL BE PAID FOR PER SQUARE FOOT AS 'SHORT TERM PAVEMENT MARKING REMOVAL'.
31. IN ORDER TO COMPLY WITH IDOT'S DROP-OFF STANDARDS, THE CONTRACTOR SHALL PLACE THE PROPOSED 12" OF SUBBASE GRANULAR MATERIAL NO LATER THAN 96 HOURS FROM THE TIME OF PAVEMENT AND CURB AND GUTTER REMOVAL.
32. DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. TRAVEL LANE WIDTHS SHALL BE A MINIMUM OF 10'.
33. THE CONTRACTOR MAY STAGE THEIR CONSTRUCTION IN SEGMENTS FOR MORE EFFICIENT OPERATIONS. IF THE STAGING IS SEGMENTED THE SETUP OF THE TRAFFIC CONTROL DEVICES AT THE BEGINNINGS AND ENDS OF THE SEGMENT SHALL BE SIMILAR TO THAT SHOWN IN THE PLANS. THE CONTRACTOR SHALL NOT BE ENTITLED TO ANY ADDITIONAL COMPENSATION FOR REVISING THE SUGGESTED MAINTENANCE OF TRAFFIC PLANS.
34. THE CONTRACTOR SHALL INFORM THE ENGINEER OF ANY STAGE CHANGE AT LEAST TWO WEEKS IN ADVANCE OF THE CHANGE.
35. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR RELOCATED BY THE CONTRACTOR AFTER THE TRAFFIC CONTROL REQUIREMENTS ARE MET OR AS AUTHORIZED BY THE ENGINEER; ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE AND MAINTAINED, ANY DAMAGE CAUSED BY THIS WORK SHALL BE REPAIRED TO THE SATISFACTION OF THE ENGINEER AND AT THE EXPENSE OF THE CONTRACTOR.
36. IT IS ANTICIPATED ON-STREET PARKING MUST BE TEMPORARILY CLOSED DURING CONSTRUCTION. ALL PARKING RESTRICTIONS MUST BE APPROVED BY THE COMMISSIONER. THE LOCATION OF NO PARKING SIGNS AND BARRICADES WILL BE DEPENDENT ON THE CURRENT STAGE OF CONSTRUCTION. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
37. THE CONTRACTOR SHALL ERECT TEMPORARY STREET NAME SIGNS ON METAL POSTS THROUGHOUT CONSTRUCTION TO THE SATISFACTION OF THE COMMISSIONER. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
38. 'TEMPORARY PAVEMENT MARKING' SHALL BE PAINT WHEN PLACED ON AREAS WITHIN THE RESURFACING LIMITS WHERE SURFACE COURSE HAS NOT BEEN PLACED OR WHEN THE SUBSEQUENT STAGE WILL NOT REQUIRE HMA SURFACE REMOVAL. REMOVAL OF TEMPORARY PAINT PRIOR TO PLACING THE SURFACE COURSE WILL NOT BE PAID FOR.
39. PERMANENT MARKINGS SHALL BE PLACED ON THE FINAL SURFACE WHERE THE MARKINGS IN THAT STAGE AND THE FINAL CONDITION ARE THE SAME; SEE PAVEMENT MARKING PLANS.
40. THE CONTRACTOR SHALL COORDINATE WITH THE CHICAGO TRANSIT AUTHORITY (CTA) A MINIMUM OF 2 WEEKS PRIOR TO ANY SHIFT IN THE MAINTENANCE OF TRAFFIC OR CHANGE IN CONSTRUCTION STAGING THAT WILL EFFECT THE OPERATIONS OF THE CTA BUSES AND BUS STOPS.
41. THE CTA REQUIRES THAT NO TWO CONSECUTIVE BUS STOPS IN ONE DIRECTION OF TRAVEL ARE ELIMINATED AT THE SAME TIME. THE CONTRACTOR SHALL SUBSTAGE WORK AS NECESSARY OR PROVIDE TEMPORARY ADA COMPLIANT PEDESTRIAN ACCESS THROUGH THE WORK ZONE TO AN EXISTING OR TEMPORARILY RELOCATED BUS STOP. SEE "TEMPORARY BUS STOP DETAIL" ON DRAWING MOT-16, THIS WORK SHALL BE INCLUDED IN THE COST OF 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
42. THE CONTRACTOR SHALL MAINTAIN EXISTING AND/OR TEMPORARY TRAFFIC SIGNALS AT ALL SIGNALIZED INTERSECTIONS THROUGHOUT CONSTRUCTION.
43. ALL STOP BARS, PERMANENT OR TEMPORARY, MUST BE PLACED A MINIMUM OF 4 FEET FROM EDGE OF CROSSWALK IN ACCORDANCE WITH CDOT RULES AND REGULATIONS, LATEST EDITION.
44. CONTRACTOR SHALL FOLLOW CORNER RAMP PEDESTRIAN SUB-STAGING DETAILS ON MOT-16 AND MAINTAIN ADA COMPLIANCE AT ALL CORNERS DURING CONSTRUCTION.



TO BE PLACED AS DIRECTED BY THE ENGINEER

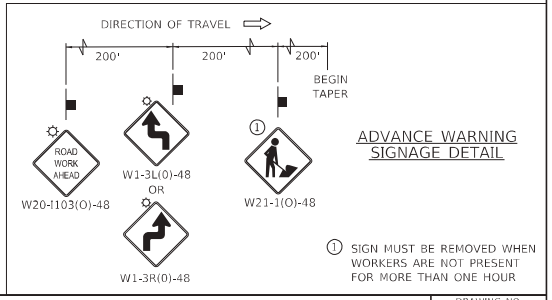
DRIVEWAY AND ALLEY ACCESS NOTES

1. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE AND MAINTAIN VEHICLE ACCESS TO ALL PRIVATE AND COMMERCIAL PROPERTY WITHIN THE WORK AREAS DURING THE CONSTRUCTION PERIOD. THE CONTRACTOR SHALL WORK WITH ADJACENT BUSINESS OWNERS TO DETERMINE DRIVEWAY AND ALLEY RECONSTRUCTION SCHEDULING. ALL DRIVEWAY CLOSURES SHALL BE APPROVED BY THE ENGINEER.
2. TEMPORARY DRIVES AND ALLEYS SHALL BE CONSTRUCTED USING 100% RECYCLED ASPHALT PAVEMENT. THE WIDTH OF THE DRIVE SHALL BE DETERMINED BY THE ENGINEER. THE COST OF PLACING, MAINTAINING, AND REMOVING TEMPORARY DRIVES AND ALLEYS SHALL BE INCLUDED IN THE COST OF 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.
3. THE TEMPORARY DRIVEWAYS SHALL NOT BE REMOVED FOR THE PLACEMENT OF THE SUBBASE OR CONCRETE PAVEMENT UNTIL THE EVENING PRIOR TO THEIR PLACEMENT, WHEN DIRECTED BY THE ENGINEER, THE CONTRACTOR SHALL NOT REMOVE THE TEMPORARY ACCESS UNTIL THE MORNING OF THE PAVING OPERATIONS, REPLACEMENT OF THE TEMPORARY ACCESS UPON COMPLETION OF THE PLACEMENT OF THE SUBGRADE OR PAVING OPERATION SHALL BE INCLUDED IN THE COST OF 'TEMPORARY ACCESS (COMMERCIAL ENTRANCE)'.
4. THE ESTIMATED QUANTITY GIVEN FOR 'TEMPORARY ACCESS (COMMERCIAL ENTRANCE)' IS GIVEN FOR THE BIDDER'S INFORMATION ONLY, AND THE CITY TAKES NO RESPONSIBILITY FOR ITS ACCURACY.
5. TEMPORARY INFORMATION SIGNING SHALL BE USED WHEN DIRECTED BY THE COMMISSIONER TO PROVIDE GUIDANCE SIGNS WHEN A DRIVEWAY MUST BE CLOSED TEMPORARILY FOR CONSTRUCTION OF THE DRIVEWAY APRON. THE COST OF THESE SIGNS SHALL BE INCLUDED IN THE PAY ITEM 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'. PROPERTIES WITH MULTIPLE ENTRANCES SHALL ONLY HAVE ONE ENTRANCE CLOSED AT A TIME.

SIDEWALK MAINTENANCE NOTES

MAINTAINING PEDESTRIAN ACCESS THROUGH THE PROJECT AREA IS OF THE UTMOST IMPORTANCE TO THE CITY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SUB-STAGING THE CONSTRUCTION OF SIDEWALK IN FRONT OF BUILDING ENTRANCES. THE CONTRACTOR SHALL FOLLOW THE PROCEDURES BELOW TO ENSURE PROPER PEDESTRIAN ACCESSIBILITY. THE WORK REQUIRED TO COMPLY WITH THESE REQUIREMENTS SHALL BE INCLUDED IN THE COST OF 'TRAFFIC CONTROL AND PROTECTION, (SPECIAL)'.

1. A MINIMUM 5' WIDE ADA-COMPLIANT WALKING SURFACE ON BOTH SIDES OF THE STREET MUST REMAIN OPEN AND ACCESSIBLE AT ALL TIMES. SIGNING AND PEDESTRIAN BARRICADES DIRECTING PEDESTRIANS TO THE OPEN SIDEWALK SHALL BE IN ACCORDANCE WITH IDOT HIGHWAY STANDARD 701801.
2. 3 OF 4 CROSSWALKS AT INTERSECTIONS MUST BE MAINTAINED AT ALL TIMES UNLESS DIRECTED OTHERWISE BY THE ENGINEER.
3. WHERE A HANDICAPPED PEDESTRIAN RAMP IS RESTRICTED DUE TO CLOSURE, TEMPORARY RAMPS SHALL BE PROVIDED.
4. TEMPORARY AGGREGATE, TEMPORARY SIDEWALK, TEMPORARY SIDEWALK RAMPS, AND TEMPORARY BUILDING RAMPS SHALL BE PROVIDED AS NEEDED TO MAINTAIN PEDESTRIAN ACCESS AS DIRECTED BY THE ENGINEER. TEMPORARY SIDEWALK RAMPS MAY BE COLD PATCH ASPHALT OR A THIN CONCRETE COVER.
5. WHERE SECTIONS OF PROPOSED SIDEWALK MUST BE OMITTED TO MAINTAIN EXISTING LIGHTING UNITS PRIOR TO COMPLETION OF THE PROPOSED STREET LIGHTING, AGGREGATE OR TEMPORARY SIDEWALK MUST BE PROVIDED TO MAINTAIN PEDESTRIAN ACCESS ALONG COMMERCIAL AVENUE AND E 92ND STREET WITHIN THE PROJECT LIMITS.
6. VERIFY LOCATION OF ALL BUILDING ACCESS. COORDINATE WITH BUILDING OWNERS AND LOCAL AUTHORITIES AND PROVIDE FULL ACCESS TO BUSINESSES OR PROPERTIES DURING THEIR NORMAL WORKING HOURS IN ACCORDANCE WITH ADA AND APPLICABLE CODE REQUIREMENTS.
7. THE CONTRACTOR SHALL MAINTAIN TEMPORARY ACCESS TO ALL BUILDINGS ALONG COMMERCIAL AVENUE AND 92ND STREET WITHIN THE PROJECT LIMITS, FOR THE ENTIRETY OF EACH CONSTRUCTION STAGE. THE TEMPORARY ACCESS SHALL CONSIST OF TEMPORARY BUILDING RAMPS THAT ARE ADA COMPLIANT, WITH SKID-RESISTANT WALKWAY SURFACES, PEDESTRIAN RAILINGS BETWEEN THE TEMPORARY RAMP AND CONSTRUCTION ZONE, AND OF SUFFICIENT STRENGTH TO SUPPORT A 100 POUND PER SQUARE FOOT (LBS/SQ FT) LOADING. THE CONTRACTOR SHALL MAINTAIN TEMPORARY ACCESS TO ALL BUILDINGS ALONG COMMERCIAL AVENUE AND 92ND STREET WITH TEMPORARY RAMPS, UP OR DOWN, FROM THE PEDESTRIAN WALKWAY. ANY BUILDING ACCESS WITHIN THE PROJECT LIMITS SHALL BE IDENTIFIED BY THE CONTRACTOR AND DISCUSSED WITH THE COMMISSIONER PRIOR TO STARTING ANY REMOVAL OR DEMOLITION ACTIVITIES. THE CONTRACTOR SHALL DRAFT TEMPORARY ACCESS PLANS AND DETAILS A MINIMUM OF SEVEN (7) CALENDAR DAYS PRIOR TO THE REMOVAL OR DEMOLITION OF ANY EXISTING FEATURES AND SUBSEQUENT INSTALLATION OF TEMPORARY BUILDING RAMPS.
8. RECONSTRUCTION OF SIDEWALK IN FRONT OF BUILDING ENTRANCES WITH MORE THAN ONE DOOR SHALL BE STAGED SO THAT AT LEAST ONE DOOR IS ACCESSIBLE AT ALL TIMES.
9. SIDEWALK CLOSURE MAY BE PERMITTED AS DIRECTED BY THE COMMISSIONER, WITH PEDESTRIANS DETOURED PER IDOT STANDARD 701801. SIDEWALK REPLACEMENT SHALL BE COMPLETED WITHIN 48 HOURS OF SIDEWALK CLOSURE.



ADVANCE WARNING SIGNAGE DETAIL

1 SIGN MUST BE REMOVED WHEN WORKERS ARE NOT PRESENT FOR MORE THAN ONE HOUR

DESIGNED - D. WILCOX				benesch	Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - C. DEAN							
CHECKED - M. ALSHARBINI							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				

MAINTENANCE OF TRAFFIC PLANS GENERAL NOTES				DRAWING NO. MOT-1
SCALE: NO SCALE	SHEET MOT-1 OF MOT-16 SHEETS	PROJECT NO. S-0-447	CONTRACT NO. 32250	SHEET NO. 14 OF 207

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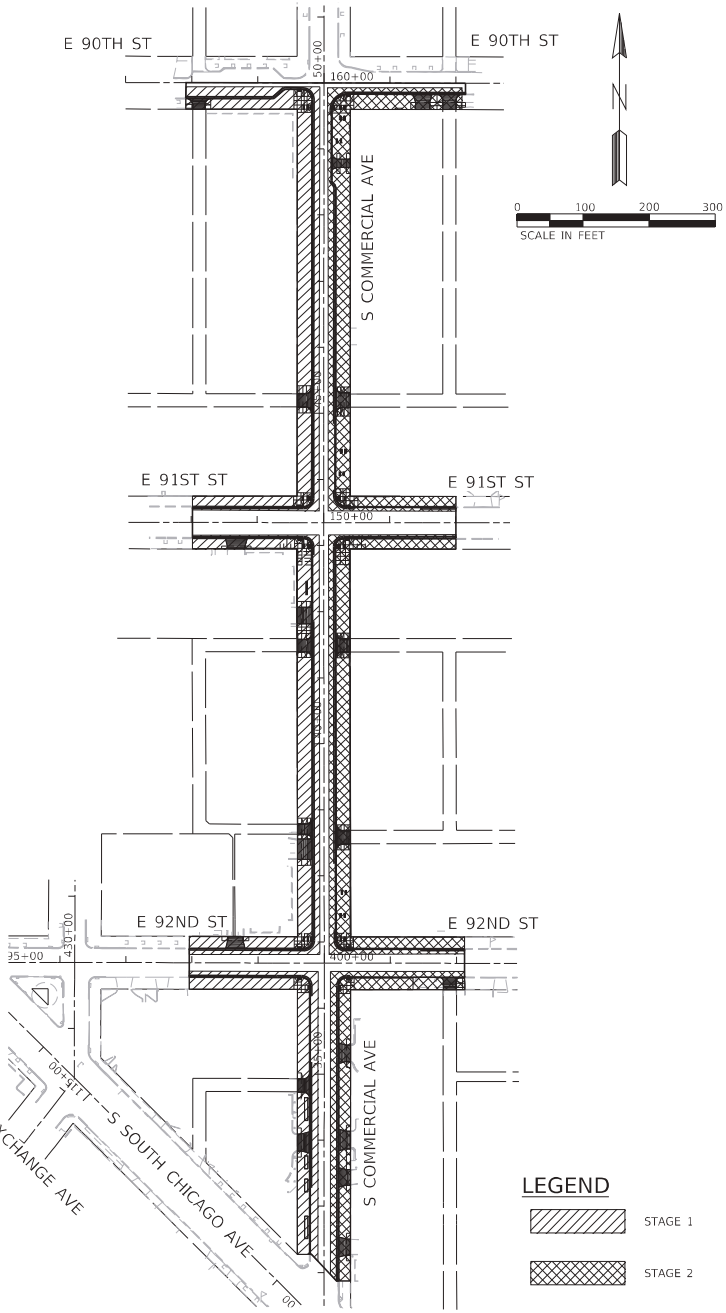
PLOT DATE = 8/11/2022



STAGE 1 - WEST SIDE OF COMMERCIAL AVENUE

STAGE 1 MAINTENANCE

1. MAINTAIN TEMPORARY PEDESTRIAN ACCESS TO ALL ADDRESSES.
2. MAINTAIN TEMPORARY ACCESS TO ALL DRIVEWAYS.
3. MAINTAIN TEMPORARY ACCESS TO ALL SIDE STREETS, EXCEPT E 90TH ST.
4. MAINTAIN LEFT TURN LANES AT E 91ST STREET.
5. MAINTAIN PARKING ALONG NORTHBOUND COMMERCIAL AVENUE.

STAGE 1 CONSTRUCTION

1. INSTALL STAGE 1 TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLANS.
2. REMOVE SOUTHBOUND PARKING LANE ALONG COMMERCIAL AVENUE.
3. REMOVE CURB AND GUTTER AND DRIVEWAY PAVEMENT ON THE WEST SIDE OF COMMERCIAL AVENUE AS SHOWN IN THE PLANS AND TYPICAL SECTIONS.
4. INSTALL CURB AND GUTTER AND DRIVEWAY PAVEMENT.
5. INSTALL TREES, STREET LIGHT POLES, AND SITE FURNITURE.
6. RELOCATE TRAFFIC CONTROL AND RE-OPEN SIDEWALKS.

STAGE 2 - EAST SIDE OF COMMERCIAL AVENUE

STAGE 2 MAINTENANCE

1. MAINTAIN TEMPORARY PEDESTRIAN ACCESS TO ALL ADDRESSES.
2. MAINTAIN TEMPORARY ACCESS TO ALL DRIVEWAYS.
3. MAINTAIN TEMPORARY ACCESS TO ALL SIDE STREETS.
4. MAINTAIN LEFT TURN LANES AT E 91ST STREET.
5. MAINTAIN PARKING ALONG SOUTHBOUND COMMERCIAL AVENUE.

STAGE 2 CONSTRUCTION

1. INSTALL STAGE 2 TRAFFIC CONTROL DEVICES AS SHOWN IN THE PLANS.
2. REMOVE NORTHBOUND PARKING LANE ALONG COMMERCIAL AVENUE.
3. REMOVE CURB AND GUTTER AND DRIVEWAY PAVEMENT ON THE EAST SIDE OF COMMERCIAL AVENUE AS SHOWN IN THE PLANS AND TYPICAL SECTIONS.
4. INSTALL CURB AND GUTTER AND DRIVEWAY PAVEMENT.
5. INSTALL TREES, STREET LIGHT POLES, AND SITE FURNITURE.
6. RELOCATE TRAFFIC CONTROL AND RE-OPEN SIDEWALKS.

STAGE 3 - HMA PAVING AND PERMANENT PAVEMENT MARKINGS

STAGE 3 MAINTENANCE

1. MAINTAIN TEMPORARY PEDESTRIAN ACCESS TO ALL ADDRESSES.
2. MAINTAIN TRAFFIC ALONG COMMERCIAL AVENUE AND SIDE STREETS. INTERMITTENT OFF-PEAK HOUR LANE CLOSURES WILL BE ALLOWED.
3. MAINTAIN LEFT TURN LANES AT E 91ST STREET.
4. MAINTAIN PARKING ALONG ONE SIDE OF COMMERCIAL AVENUE AT A TIME.

STAGE 3 CONSTRUCTION

USING DAILY LANE CLOSURES AND FLAGGERS IN ACCORDANCE WITH IDOT STANDARDS 701601, 701602, AND 701701:

1. REMOVE HMA PAVEMENT SURFACE
2. ADJUST/RECONSTRUCT EXISTING MANHOLES AND UTILITY STRUCTURES
3. INSTALL HMA BINDER AND SURFACE COURSE.
4. PLACE PERMANENT PAVEMENT MARKINGS.
5. REMOVE TRAFFIC CONTROL DEVICES

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DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE CONSTRUCTION KEY PLAN & SEQUENCING

SCALE: 1" = 100' | SHEET MOT-2 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT-2**
SHEET NO. 15 OF 207

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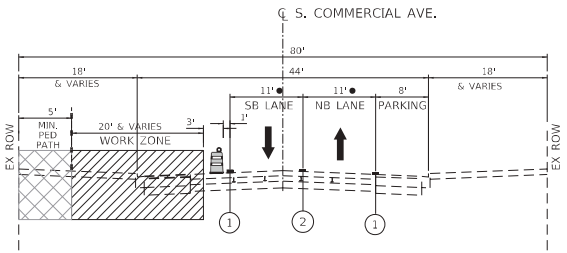
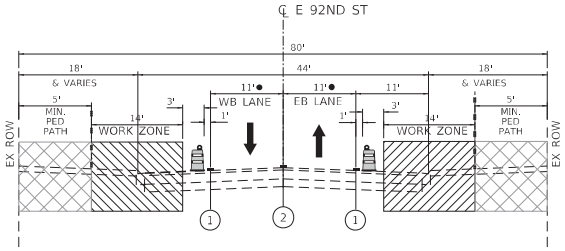


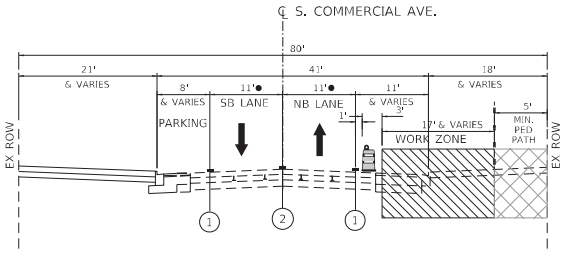
STAGE 1 TYPICAL SECTION

S. COMMERCIAL AVE.
NORTH OF S. CHICAGO AVE. TO SOUTH OF E. 90TH ST.
LOOKING NORTH
STA. 32+00.00 TO STA. 49+50.00



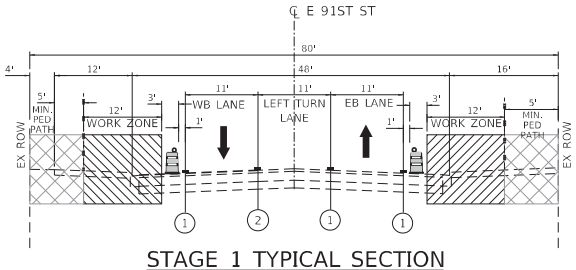
STAGE 1 AND 2 TYPICAL SECTION

E. 92ND ST.
EAST AND WEST OF S. COMMERCIAL AVE.
LOOKING EAST
STA. 398+00.00 TO STA. 402+00.00



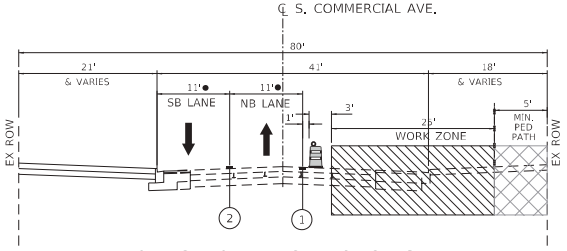
STAGE 2 TYPICAL SECTION

S. COMMERCIAL AVE.
NORTH OF S. CHICAGO AVE. TO NORTH OF E. 91ST ST.
LOOKING NORTH
STA. 32+00.00 TO STA. 47+98.00



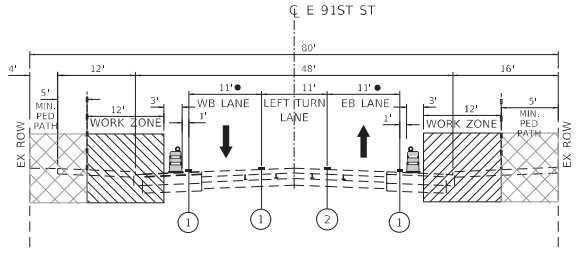
STAGE 1 TYPICAL SECTION

E. 91ST ST.
WEST OF S. COMMERCIAL AVE.
LOOKING EAST
STA. 148+00.00 TO STA. 150+00.00



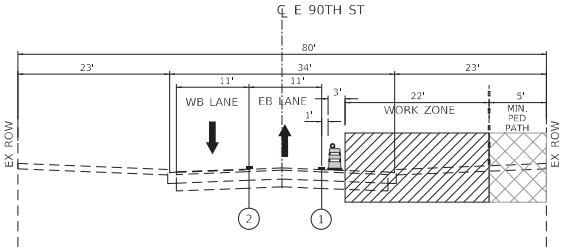
STAGE 2 TYPICAL SECTION

S. COMMERCIAL AVE.
NORTH OF E. 91ST ST. TO SOUTH OF E. 90TH ST.
LOOKING NORTH
STA. 47+98.00 TO STA. 49+50.00



STAGE 2 TYPICAL SECTION

E. 91ST ST.
EAST OF S. COMMERCIAL AVE.
LOOKING EAST
STA. 150+00.00 TO STA. 152+00.00



STAGE 2 TYPICAL SECTION

E. 90TH ST.
EAST OF S. COMMERCIAL AVE.
LOOKING EAST
STA. 160+00.00 TO STA. 162+00.00

LEGEND

1. TEMPORARY PAVEMENT MARKING LINE - 4" WHITE EDGE LINE (70300221)
2. TEMPORARY PAVEMENT MARKING LINE - 4" DOUBLE YELLOW CENTER LINE (70300221)

TEMPORARY CHAIN LINK FENCE (CDOT6640010 OR CDOT6640030)

BUS LANE

DIRECTION OF TRAVEL

DRUMS AT 25' CENTERS

STAGE A

STAGE B

NOTES:

1. SEE MOT-2 FOR DESCRIPTION OF WORK FOR EACH CONSTRUCTION STAGE.
2. CONTRACTOR SHALL NOT WORK ON BOTH SIDES OF ANY STREET AT ANY TIME DURING CONSTRUCTION.
3. CONTRACTOR SHALL RELOCATE TEMPORARY CHAIN LINK FENCE AS REQUIRED FROM STAGE A TO STAGE B TO PROTECT PEDESTRIANS.
4. CONTRACTOR SHALL UTILIZE THE EXISTING AND PROPOSED SIDEWALK TO MAINTAIN SAME SIDE PEDESTRIAN ACCESS AT ALL TIMES DURING CONSTRUCTION.

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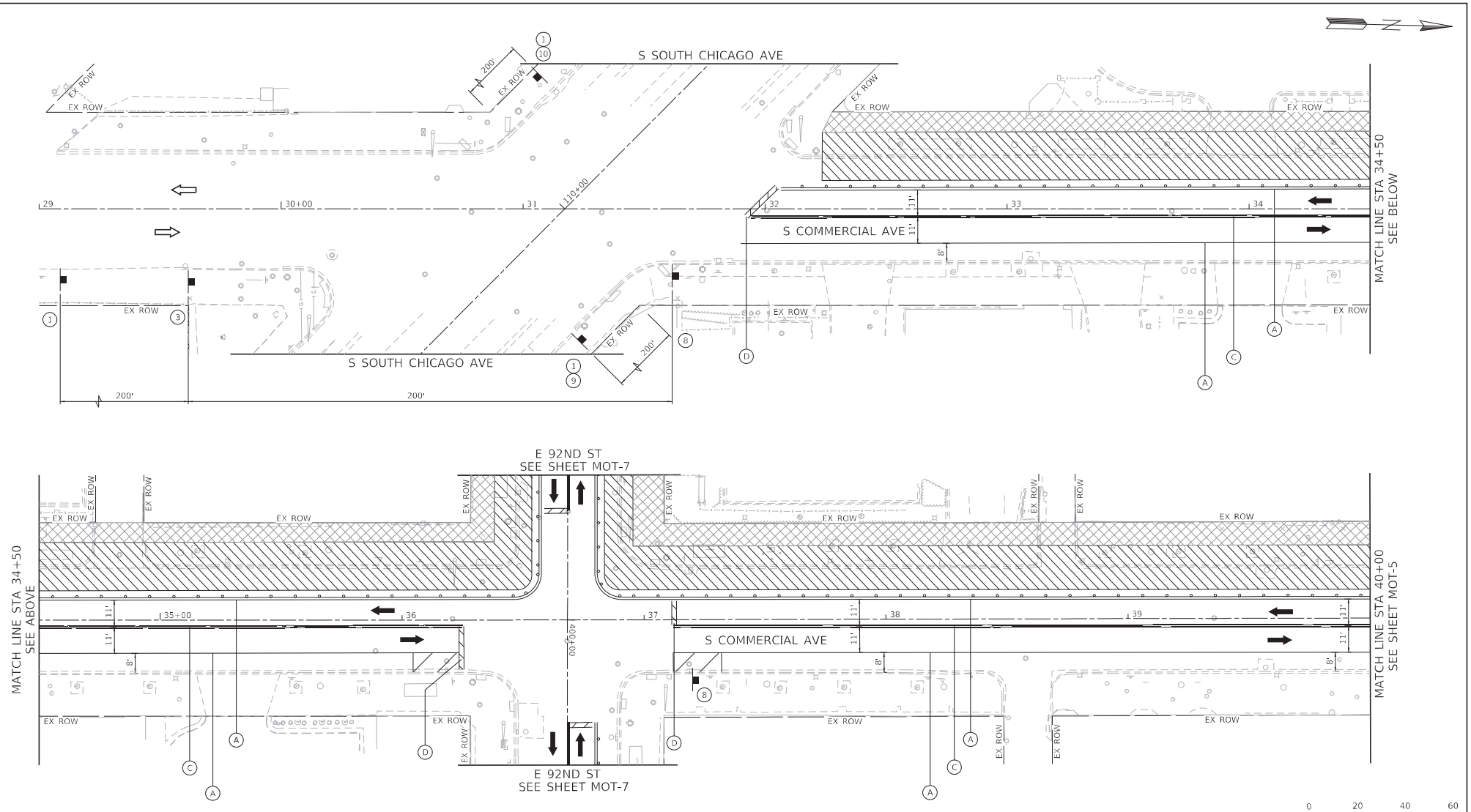
PLOT DATE = 8/11/2022

DESIGNED - D. WILCOX				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT
DRAWN - C. DEAN				Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	
CHECKED - M. ALSHARBINI					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

S COMMERCIAL AVE IMPROVEMENTS SECTION 1	MAINTENANCE OF TRAFFIC PLANS TYPICAL SECTIONS		DRAWING NO. MOT-3
	SCALE: NTS	SHEET MOT-3 OF MOT-16 SHEETS PROJECT NO. S-0-447 CONTRACT NO. 32250	SHEET NO. 16 OF 207



0 20 40 60
SCALE IN FEET

LEGEND

1. ROAD CONSTRUCTION AHEAD — W20-1(0)-48
2. STOP — R1-1, 36" x 36"
3. WORKERS — W21-1(0)-48 OR W21-1a(0)-48
4. RIGHT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
5. W1-3L(0)-48, 48" x 48"
6. LEFT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
7. W1-3R(0)-48, 48" x 48"
8. W6-3(0), 48" x 48"
9. M6-1R(O)-2115
10. M6-1L(O)-2115
11. M6-4(O)-2115
12. R3-1, 24" x 24"
13. R3-2, 24" x 24"

- FLASHING MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- STAGE A
- STAGE B
- CONSTRUCTION DRUMS
- SIGN

A. TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
B. TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
C. TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
D. TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
E. TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
F. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
G. TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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312-565-0450 Job No. 10812 S1

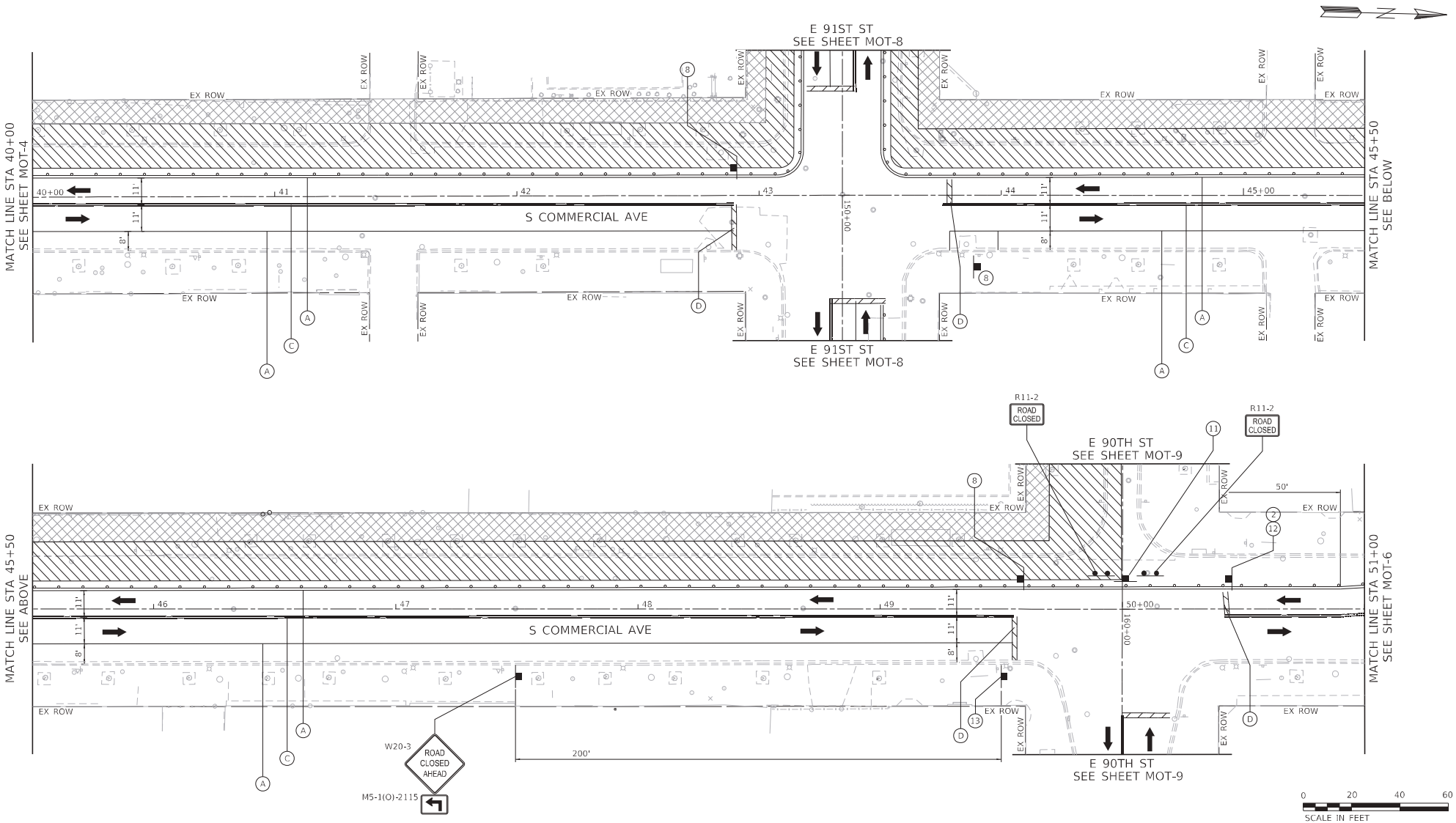
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 1 – S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET MOT-4 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–4**
SHEET NO. 17 OF 207



LEGEND

1 ROAD CONSTRUCTION AHEAD	2 STOP	3 WORKERS	4 RIGHT LANE CLOSED AHEAD	5	6 LEFT LANE CLOSED AHEAD	7	8
W20-1(0)-48	R1-1 36" x 36"	W21-1(0)-48 OR W21-1a(0)-48	W20-5(0) 48" x 48"	W1-3L(0)-48 48" x 48"	W20-5(0) 48" x 48"	W1-3R(0)-48 48" x 48"	W6-3(0) 48" x 48"

9	M6-1R(O)-2115	12	R3-1 24" x 24"
10	M6-1L(O)-2115	13	R3-2 24" x 24"
11	M6-4(O)-2115		

- FLASHING MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- STAGE A
- STAGE B
- CONSTRUCTION DRUMS
- SIGN

- (A) TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
- (B) TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
- (C) TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
- (E) TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
- (F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
- (G) TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
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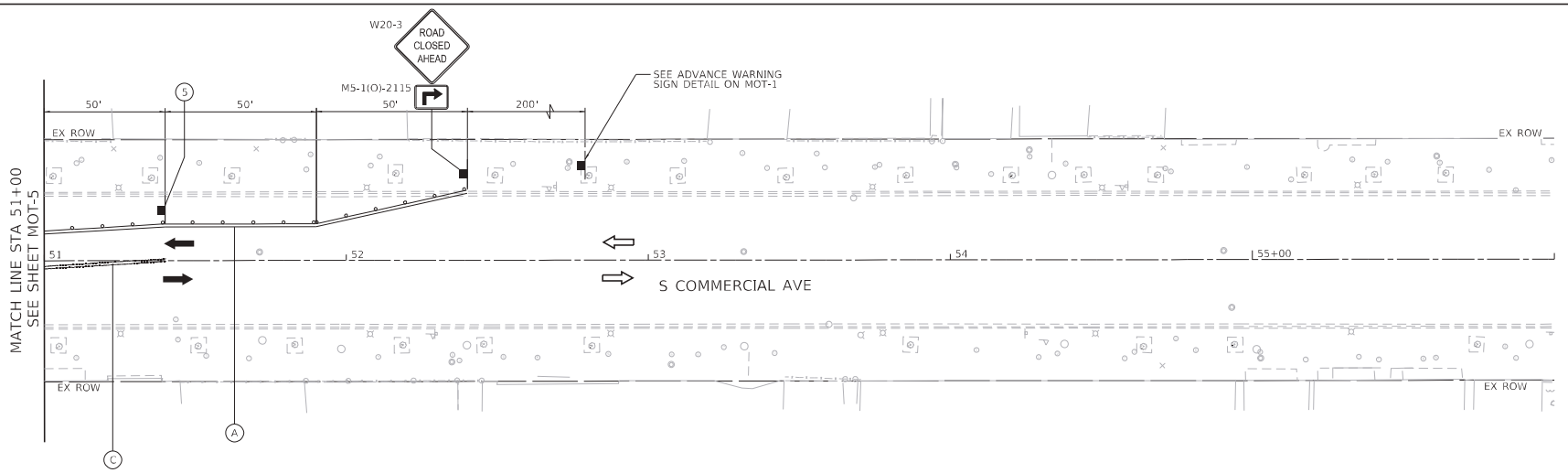
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 1 – S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET MOT-5 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–5**
SHEET NO. 18 OF 207



0 20 40 60
SCALE IN FEET

LEGEND

1. ROAD CONSTRUCTION AHEAD — W20-1(0)-48
2. STOP — R1-1, 36" x 36"
3. WORKERS — W21-1(0)-48 OR W21-1a(0)-48
4. RIGHT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
5. W1-3L(0)-48, 48" x 48"
6. LEFT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
7. W1-3R(0)-48, 48" x 48"
8. W6-3(0), 48" x 48"
9. M6-1R(O)-2115
10. M6-1L(O)-2115
11. M6-4(O)-2115
12. R3-1, 24" x 24"
13. R3-2, 24" x 24"

- FLASHING MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- STAGE A
- STAGE B
- CONSTRUCTION DRUMS
- SIGN

A. TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
B. TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
C. TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
D. TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
E. TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
F. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
G. TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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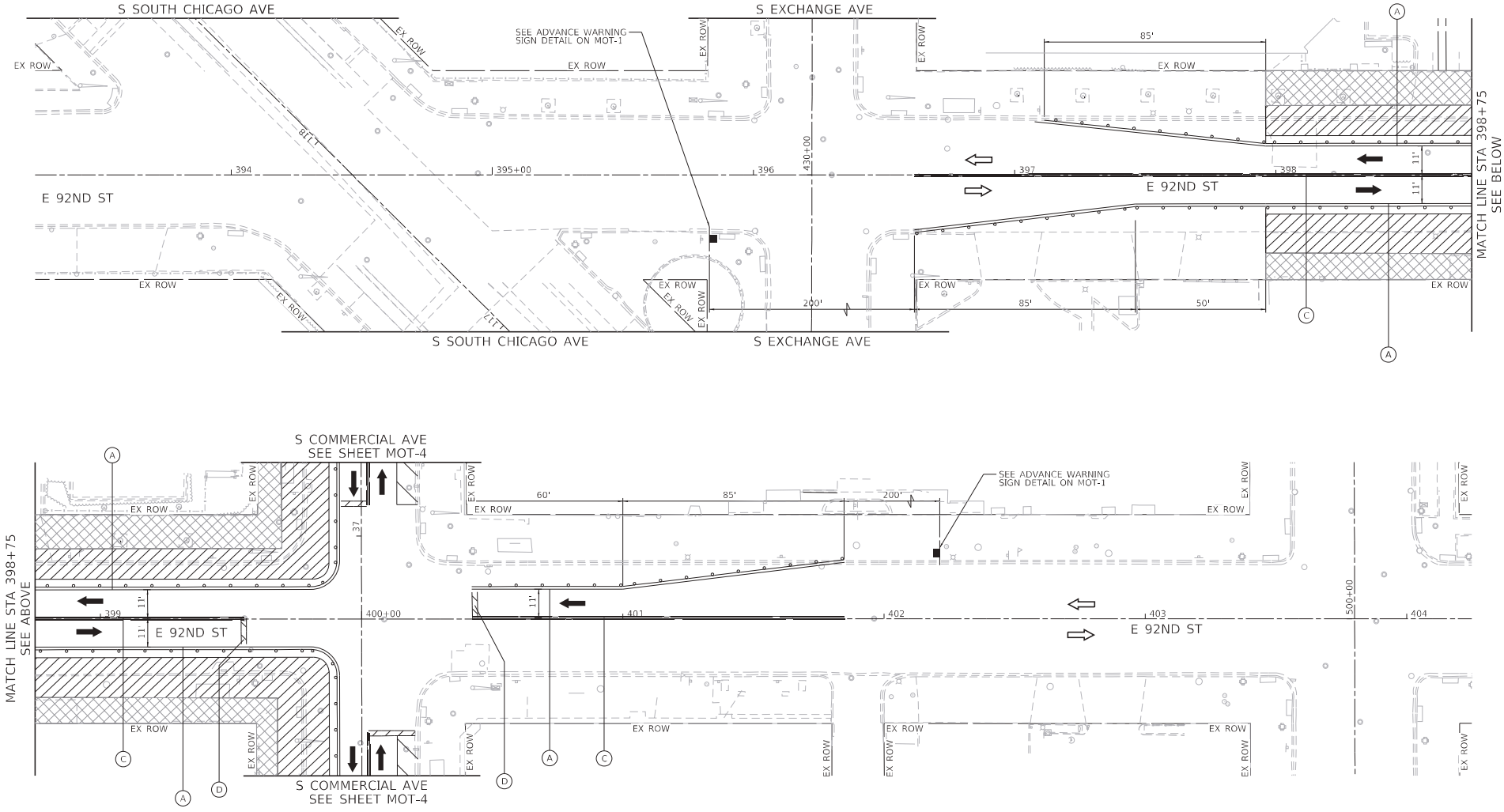
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 1 – S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET MOT-6 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–6**
SHEET NO. 19 OF 207



LEGEND

1 ROAD CONSTRUCTION AHEAD	2 STOP	3 WORKERS	4 RIGHT LANE CLOSED AHEAD	5	6 LEFT LANE CLOSED AHEAD	7	8	9 M6-1R(O)-2115
W20-1(0)-48	R1-1 36" x 36"	W21-1(0)-48 OR W21-1a(0)-48	W20-5(0) 48" x 48"	W1-3L(0)-48 48" x 48"	W20-5(0) 48" x 48"	W1-3R(0)-48 48" x 48"	W6-3(0) 48" x 48"	

10 M6-1L(O)-2115
11 M6-4(O)-2115
12 R3-1 24" x 24"
13 R3-2 24" x 24"

FLASHING MONO-DIRECTIONAL LIGHT
TYPE III BARRICADE
DIRECTION OF TRAFFIC
STAGE A
STAGE B
CONSTRUCTION DRUMS
SIGN

(A) TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
(B) TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
(C) TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
(D) TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
(E) TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
(F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
(G) TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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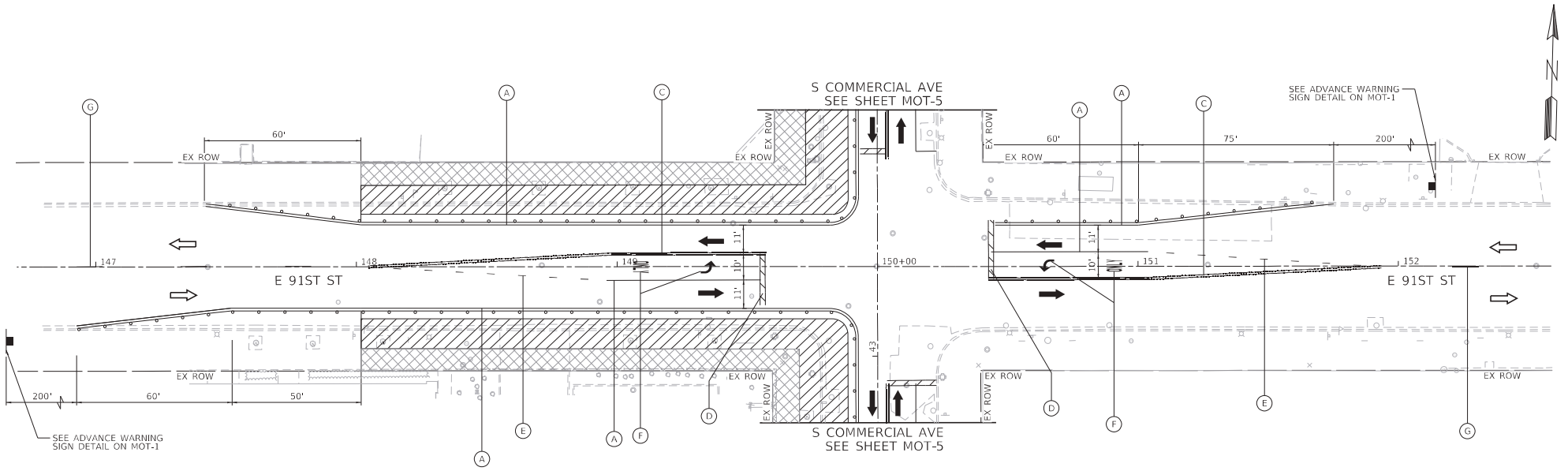
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 1 – E 92ND ST

SCALE: 1" = 20' | SHEET MOT-7 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–7**
SHEET NO. 20 OF 207



0 20 40 60

SCALE IN FEET

LEGEND

1	2	3	4	5	6	7	8	9	10	11	12	13
ROAD CONSTRUCTION AHEAD	STOP	WORKERS	RIGHT LANE CLOSED AHEAD		LEFT LANE CLOSED AHEAD							
W20-1(0)-48	R1-1 36" x 36"	W21-1(0)-48 OR W21-1a(0)-48	W20-5(0) 48" x 48"	W1-3L(0)-48 48" x 48"	W20-5(0) 48" x 48"	W1-3R(0)-48 48" x 48"	W6-3(0) 48" x 48"	M6-1R(O)-2115	M6-1L(O)-2115	M6-4(O)-2115	R3-1 24" x 24"	R3-2 24" x 24"

- FLASHING MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- STAGE A
- STAGE B
- CONSTRUCTION DRUMS
- SIGN

- (A) TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
- (B) TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
- (C) TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
- (E) TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
- (F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
- (G) TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 1 – E 91ST ST

SCALE: 1" = 20' | SHEET MOT-8 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–8**
SHEET NO. 21 OF 207

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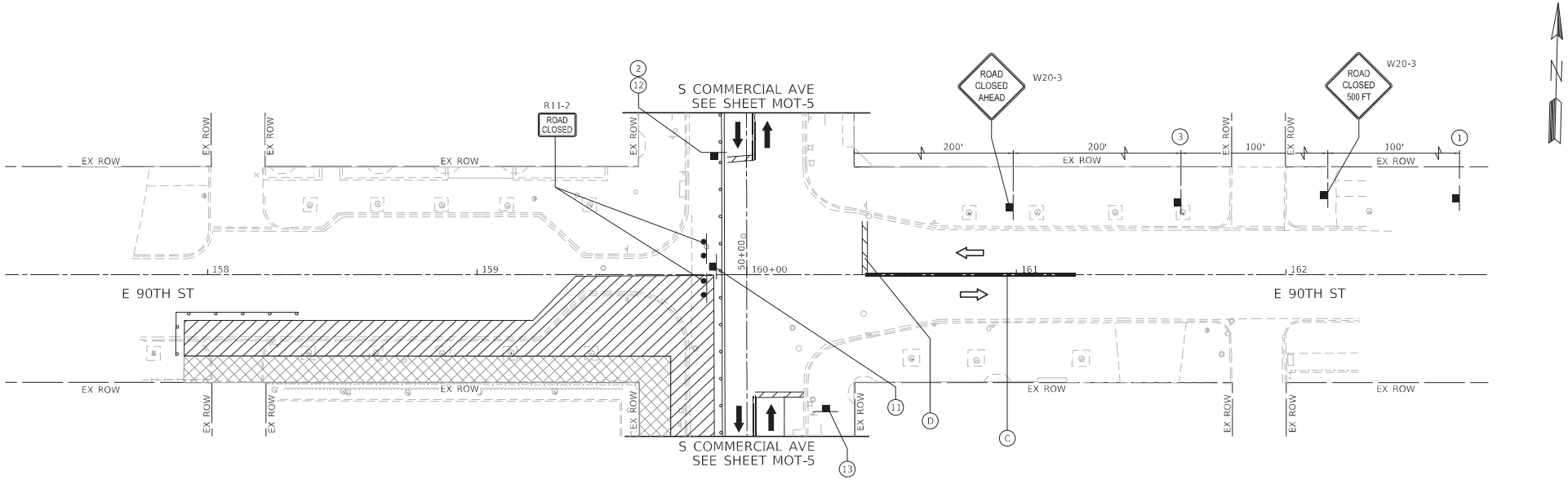

0 20 40 60
SCALE IN FEET

LEGEND

1	ROAD CONSTRUCTION AHEAD	2	STOP	3	WORKERS	4	RIGHT LANE CLOSED AHEAD	5		6	LEFT LANE CLOSED AHEAD
	W20-1(0)-48		R1-1 36" x 36"		W21-1(0)-48 OR W21-1a(0)-48		W20-5(0) 48" x 48"		W1-3L(0)-48 48" x 48"		W20-5(0) 48" x 48"

7		8		9	M6-1R(O)-2115	10	M6-1L(O)-2115
	W1-3R(0)-48 48" x 48"		W6-3(0) 48" x 48"	11	M6-4(O)-2115	12	R3-1 24" x 24"
				13	R3-2 24" x 24"		

FLASHING MONO-DIRECTIONAL LIGHT

TYPE III BARRICADE

DIRECTION OF TRAFFIC

STAGE A

STAGE B

CONSTRUCTION DRUMS

SIGN

- (A) TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
- (B) TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
- (C) TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
- (E) TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
- (F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
- (G) TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

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DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

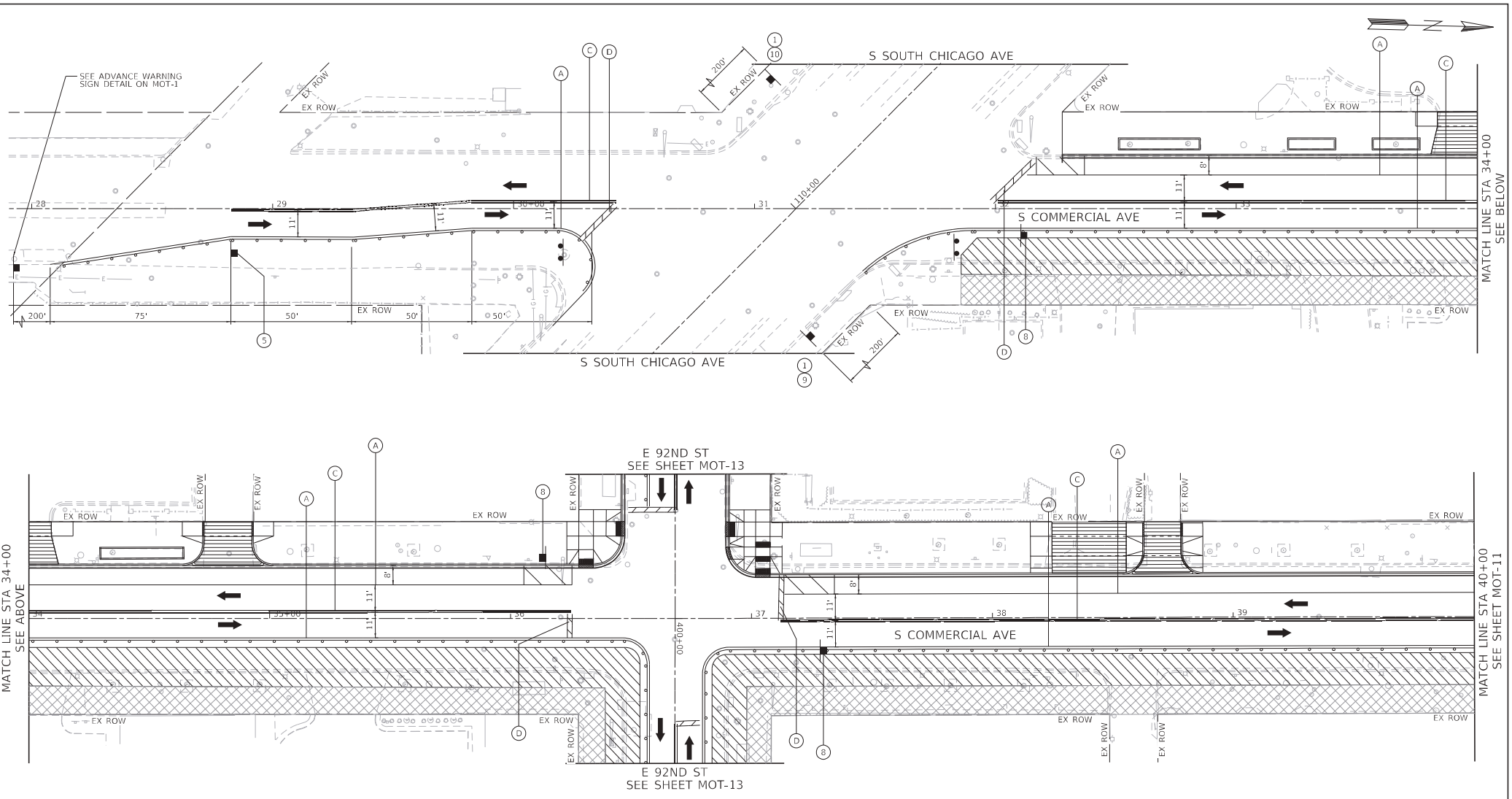
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 1 – E 90TH ST

SCALE: 1" = 20' | SHEET MOT-9 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–9**
SHEET NO. 22 OF 207

PLOT DATE = 8/11/2022



0 20 40 60
SCALE IN FEET

LEGEND

1 ROAD CONSTRUCTION AHEAD	2 STOP	3 WORKERS	4 RIGHT LANE CLOSED AHEAD	5	6 LEFT LANE CLOSED AHEAD	7	8
W20-1(0)-48	R1-1 36" x 36"	W21-1(0)-48 OR W21-1a(0)-48	W20-5(0) 48" x 48"	W1-3L(0)-48 48" x 48"	W20-5(0) 48" x 48"	W1-3R(0)-48 48" x 48"	W6-3(0) 48" x 48"

9 M6-1R(O)-2115
10 M6-1L(O)-2115
11 M6-4(O)-2115
12 R3-1 24" x 24"
13 R3-2 24" x 24"

FLASHING MONO-DIRECTIONAL LIGHT
TYPE III BARRICADE
DIRECTION OF TRAFFIC
STAGE A
STAGE B
CONSTRUCTION DRUMS
SIGN

A TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
B TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
C TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
D TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
E TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
F TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
G TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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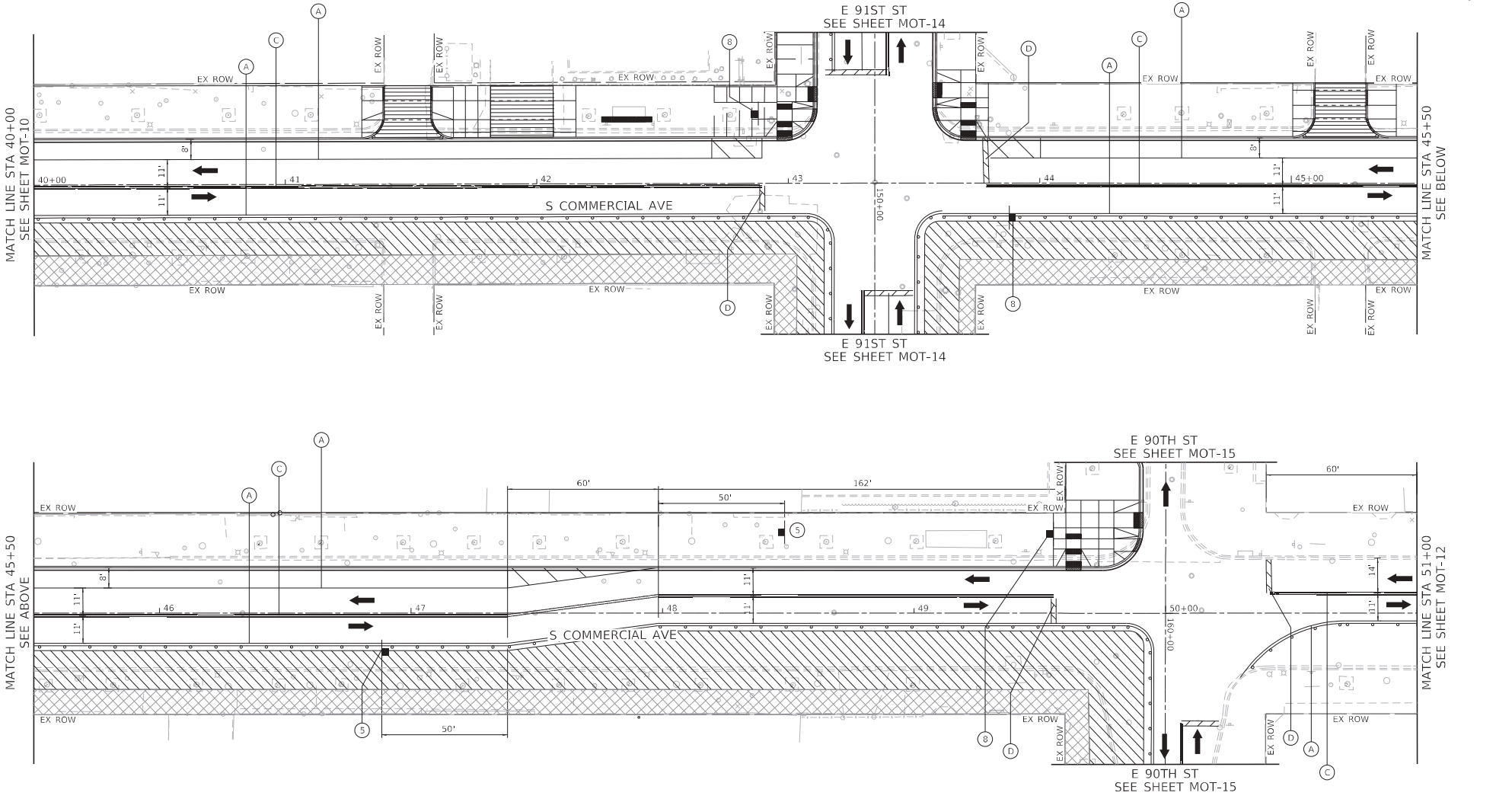
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 2 – S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET MOT-10 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–10**
SHEET NO. 23 OF 207



0 20 40 60
SCALE IN FEET

LEGEND

1. ROAD CONSTRUCTION AHEAD — W20-1(0)-48
2. STOP — R1-1, 36" x 36"
3. WORKERS — W21-1(0)-48 OR W21-1a(0)-48
4. RIGHT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
5. W1-3L(0)-48, 48" x 48"
6. LEFT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
7. W1-3R(0)-48, 48" x 48"
8. W6-3(0), 48" x 48"
9. M6-1R(O)-2115
10. M6-1L(O)-2115
11. M6-4(O)-2115
12. R3-1, 24" x 24"
13. R3-2, 24" x 24"

FLASHING MONO-DIRECTIONAL LIGHT
TYPE III BARRICADE
DIRECTION OF TRAFFIC
STAGE A
STAGE B
CONSTRUCTION DRUMS
SIGN

A. TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
B. TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
C. TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
D. TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
E. TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
F. TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
G. TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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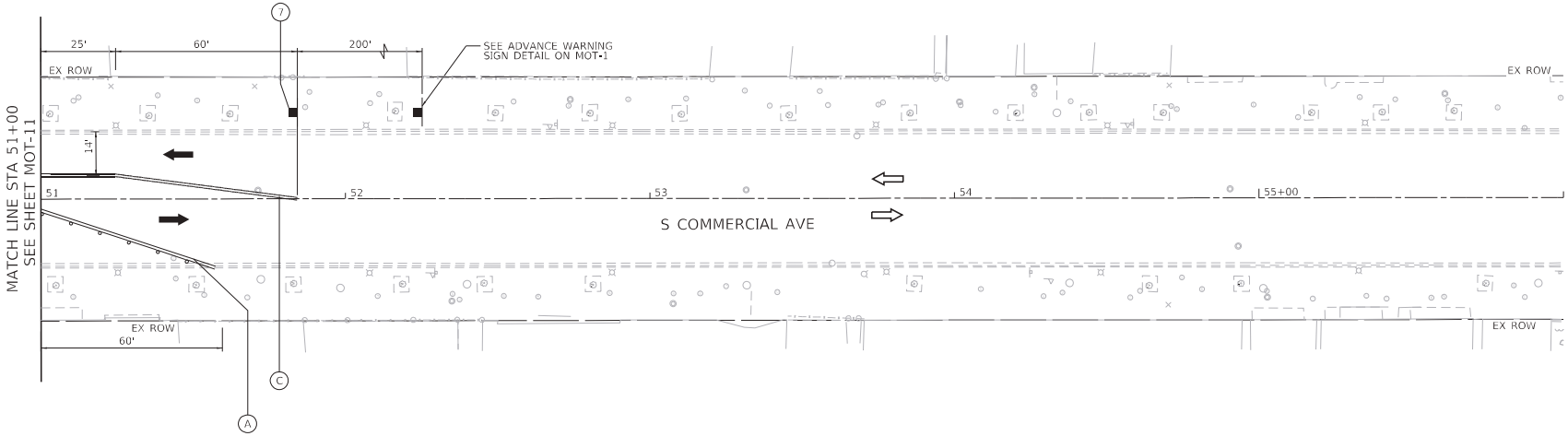
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 2 – S COMMERCIAL AVE

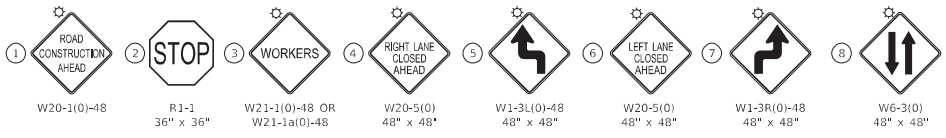
SCALE: 1" = 20' | SHEET MOT-11 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–11**
SHEET NO. 24 OF 207



0 20 40 60
SCALE IN FEET

LEGEND



FLASHING MONO-DIRECTIONAL LIGHT

TYPE III BARRICADE

DIRECTION OF TRAFFIC

STAGE A

STAGE B

CONSTRUCTION DRUMS

SIGN

- (A) TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
- (B) TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
- (C) TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
- (E) TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
- (F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
- (G) TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

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DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

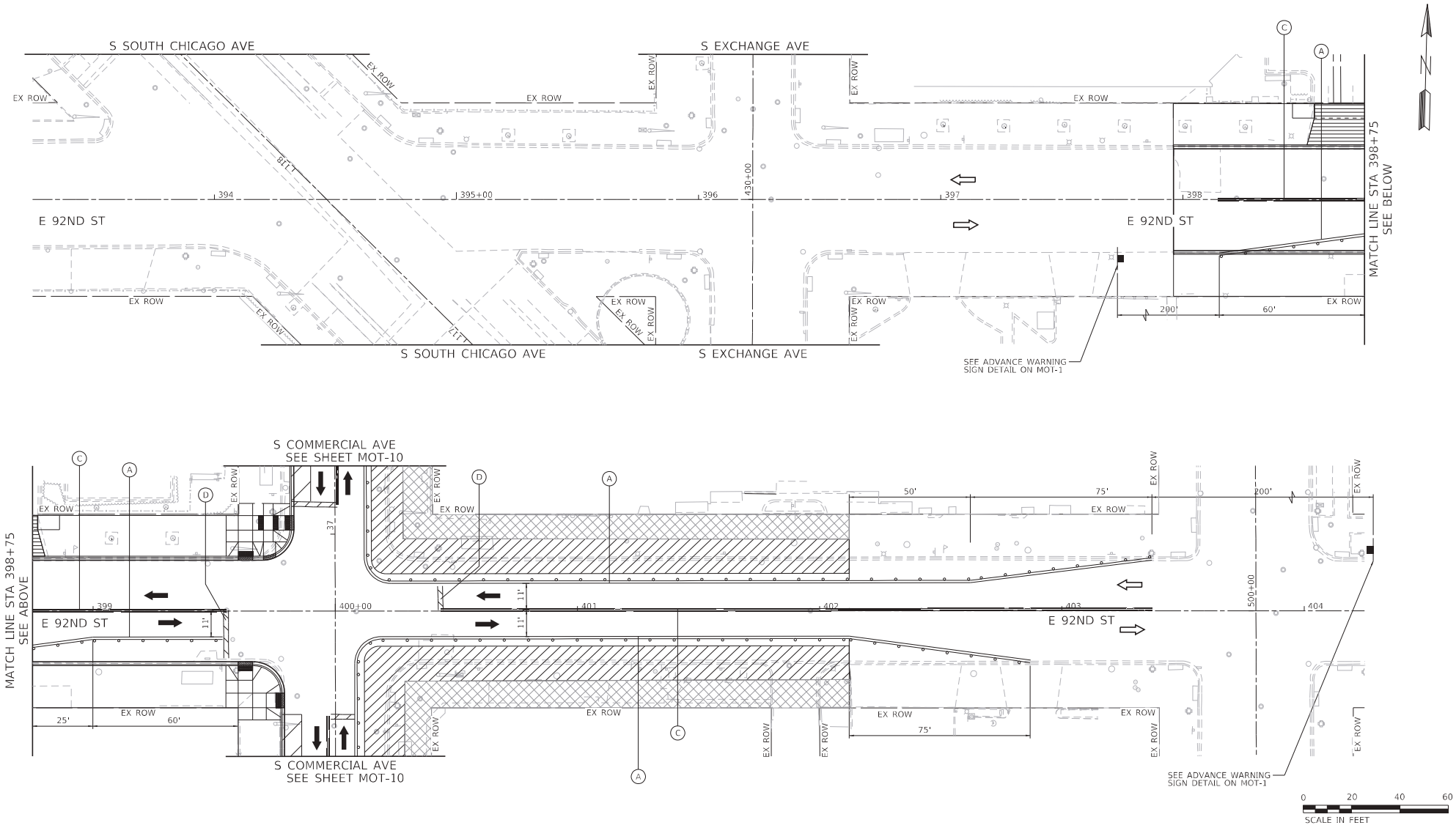
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 2 – S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET MOT-12 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. MOT–12
SHEET NO. 25 OF 207

PLOT DATE = 8/11/2022



LEGEND

1. ROAD CONSTRUCTION AHEAD — W20-1(0)-48
2. STOP — R1-1, 36" x 36"
3. WORKERS — W21-1(0)-48 OR W21-1a(0)-48
4. RIGHT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
5. W1-3L(0)-48, 48" x 48"
6. LEFT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
7. W1-3R(0)-48, 48" x 48"
8. W6-3(0), 48" x 48"
9. M6-1R(O)-2115
10. M6-1L(O)-2115
11. M6-4(O)-2115
12. R3-1, 24" x 24"
13. R3-2, 24" x 24"

- FLASHING MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- STAGE A
- STAGE B
- CONSTRUCTION DRUMS
- SIGN

(A) TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
(B) TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
(C) TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
(D) TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
(E) TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
(F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
(G) TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

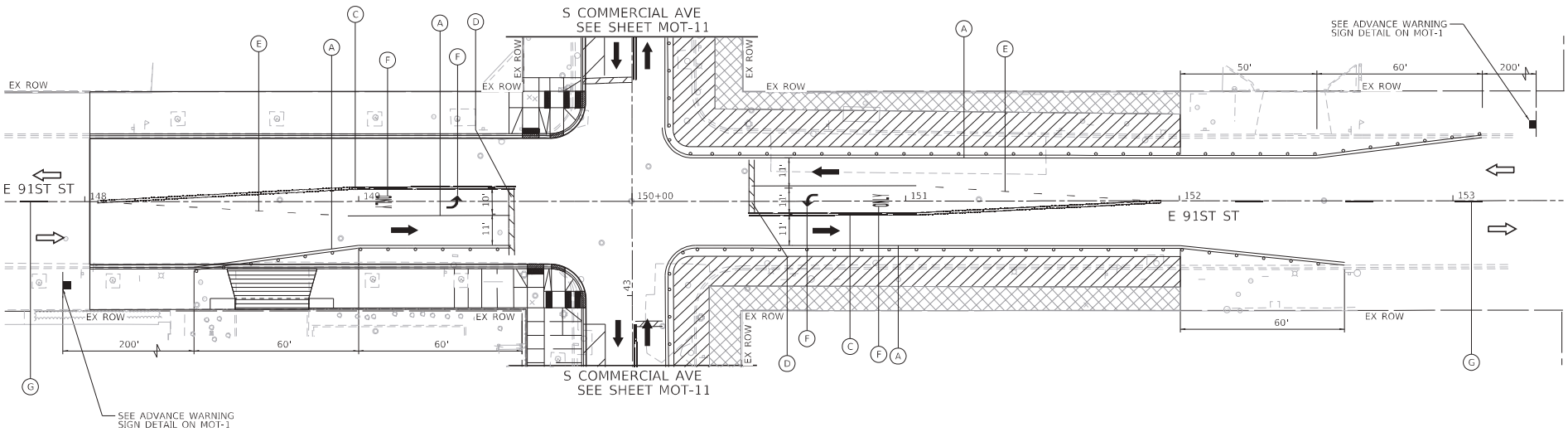
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 2 – E 92ND ST

SCALE: 1" = 20' | SHEET MOT-13 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–13**
SHEET NO. 26 OF 207





LEGEND

1. ROAD CONSTRUCTION AHEAD — W20-1(0)-48
2. STOP — R1-1, 36" x 36"
3. WORKERS — W21-1(0)-48 OR W21-1a(0)-48
4. RIGHT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
5. W1-3L(0)-48, 48" x 48"
6. LEFT LANE CLOSED AHEAD — W20-5(0), 48" x 48"
7. W1-3R(0)-48, 48" x 48"
8. W6-3(0), 48" x 48"
9. M6-1R(O)-2115
10. M6-1L(O)-2115
11. M6-4(O)-2115
12. R3-1, 24" x 24"
13. R3-2, 24" x 24"

- FLASHING MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- STAGE A
- STAGE B
- CONSTRUCTION DRUMS
- SIGN

- (A) TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
- (B) TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
- (C) TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
- (E) TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
- (F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
- (G) TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

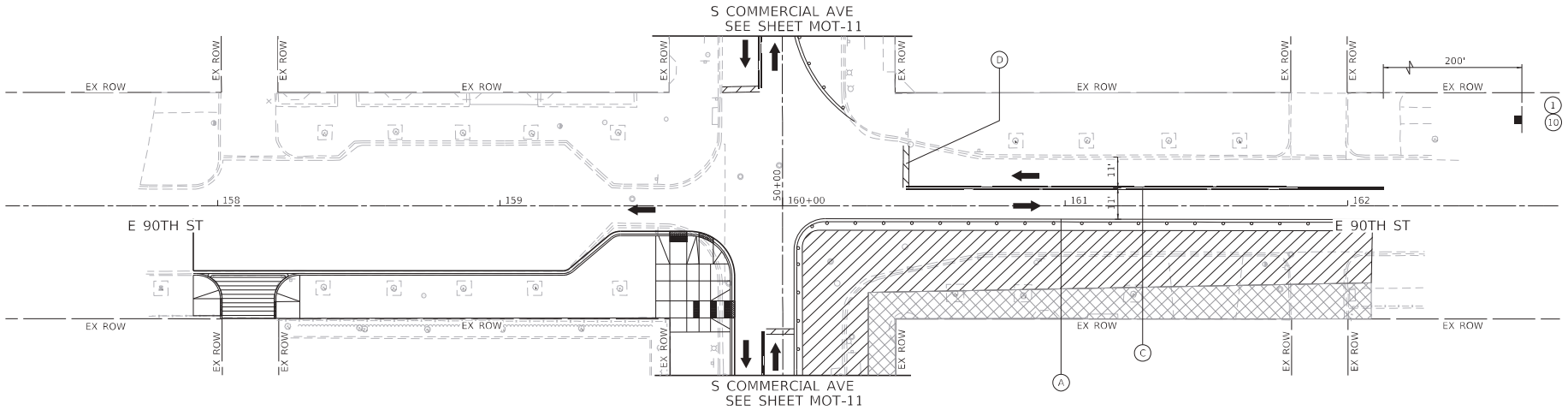
S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 2 – E 91ST ST

SCALE: 1" = 20' | SHEET MOT-14 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–14**
SHEET NO. 27 OF 207

MODEL: Default
FILE NAME: C:\Users\cdean\benesch\Allied Benesch Company\Documents - 10812 S1 Section 1 MAR\S-0-447 S1 Section 1 MAR\Drawings\MOT\MOT-14 Stage 2 E 91st.dgn



0 20 40 60
SCALE IN FEET

LEGEND

1	2	3	4	5	6	7	8	9	10	11	12	13	
ROAD CONSTRUCTION AHEAD	STOP	WORKERS	RIGHT LANE CLOSED AHEAD		LEFT LANE CLOSED AHEAD			M6-1R(O)-2115	M6-1L(O)-2115	M6-4(O)-2115	R3-1 24" x 24"	R3-2 24" x 24"	
W20-1(0)-48	R1-1 36" x 36"	W21-1(0)-48 OR W21-1a(0)-48	W20-5(0) 48" x 48"	W1-3L(0)-48 48" x 48"	W20-5(0) 48" x 48"	W1-3R(0)-48 48" x 48"	W6-3(0) 48" x 48"						

- FLASHING MONO-DIRECTIONAL LIGHT
- TYPE III BARRICADE
- DIRECTION OF TRAFFIC
- STAGE A
- STAGE B
- CONSTRUCTION DRUMS
- SIGN

- (A) TEMPORARY PAVEMENT MARKING LINE 4" (WHITE)
- (B) TEMPORARY PAVEMENT MARKING LINE 4" (YELLOW)
- (C) TEMPORARY PAVEMENT MARKING CENTERLINE 4" (DOUBLE YELLOW)
- (D) TEMPORARY PAVEMENT MARKING STOP BAR 24" (WHITE)
- (E) TEMPORARY PAVEMENT MARKING LINE 6" (WHITE, SKIP-DASH)
- (F) TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS
- (G) TEMPORARY PAVEMENT MARKING LINE 6" (YELLOW, SKIP-DASH)

DESIGNED - D. WILCOX			
DRAWN - C. DEAN			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

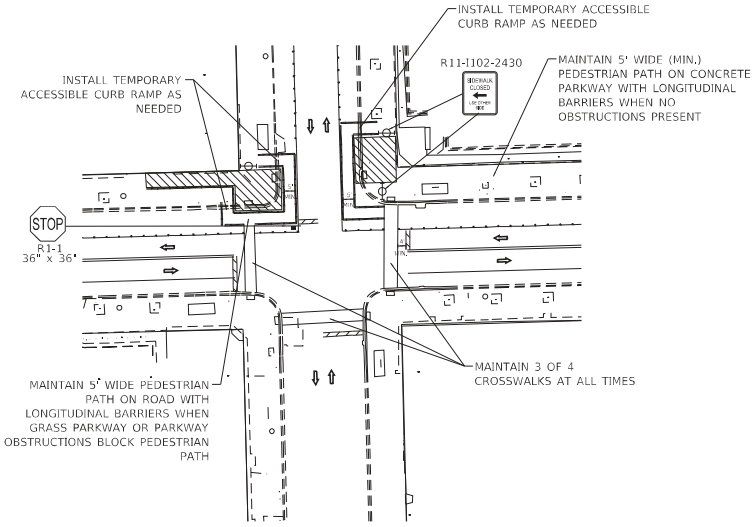
S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

MAINTENANCE OF TRAFFIC PLANS
STAGE 2 – E 90TH ST

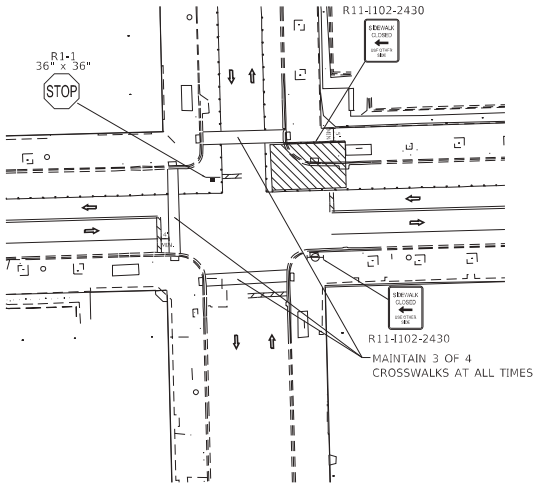
SCALE: 1" = 20' | SHEET MOT-15 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **MOT–15**
SHEET NO. 28 OF 207

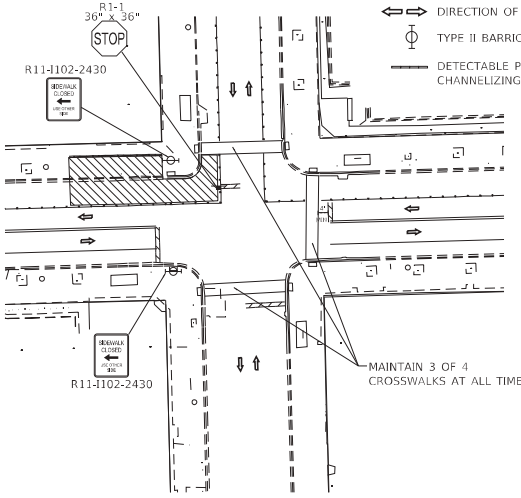
MODEL: Default
FILE NAME: C:\Users\cdean\benesch.com\benesch-shared\Documents\10980s\10812.001\Engr_Docs\MOT\MaintSection_MAINT-08-12-S1-Stage2-2-01-Path.dgn



DETAIL 1 - PEDESTRIAN ACCESS THROUGH WORK ZONE SUB-STAGE i

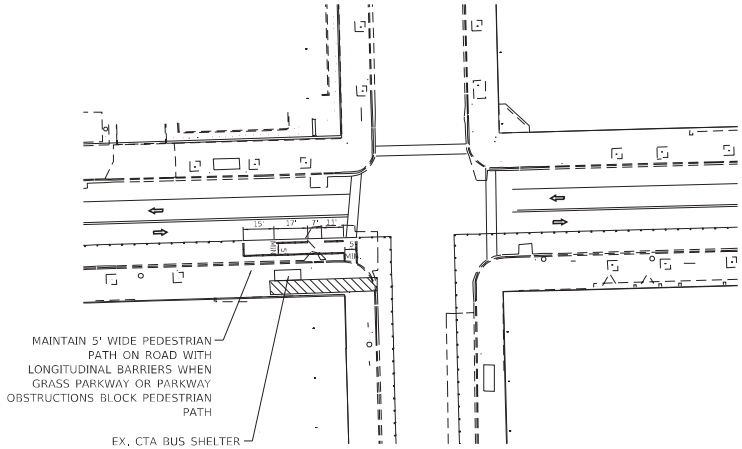


DETAIL 2 - PEDESTRIAN ACCESS THROUGH WORK ZONE SUB-STAGE ii

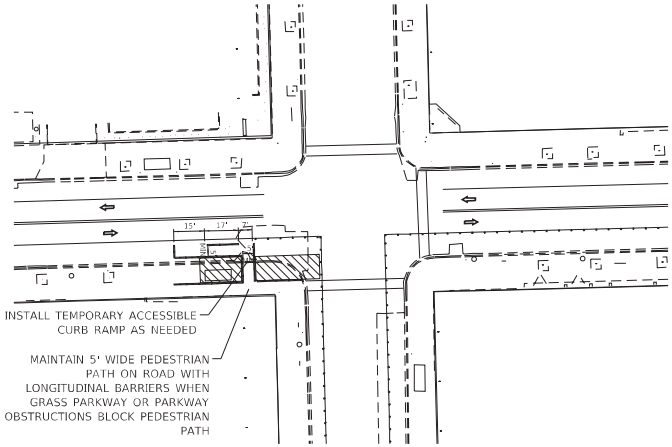


DETAIL 3 - PEDESTRIAN ACCESS THROUGH WORK ZONE SUB-STAGE iii

LEGEND
- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TYPE II BARRICADE
- DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE



DETAIL 1 - TEMPORARY BUS STOP THROUGH WORK ZONE SUB-STAGE i



DETAIL 2 - TEMPORARY BUS STOP THROUGH WORK ZONE SUB-STAGE ii

LEGEND
- CONSTRUCTION WORK ZONE
- DIRECTION OF TRAFFIC FLOW
- TYPE II BARRICADE
- DETECTABLE PEDESTRIAN CHANNELIZING BARRICADE

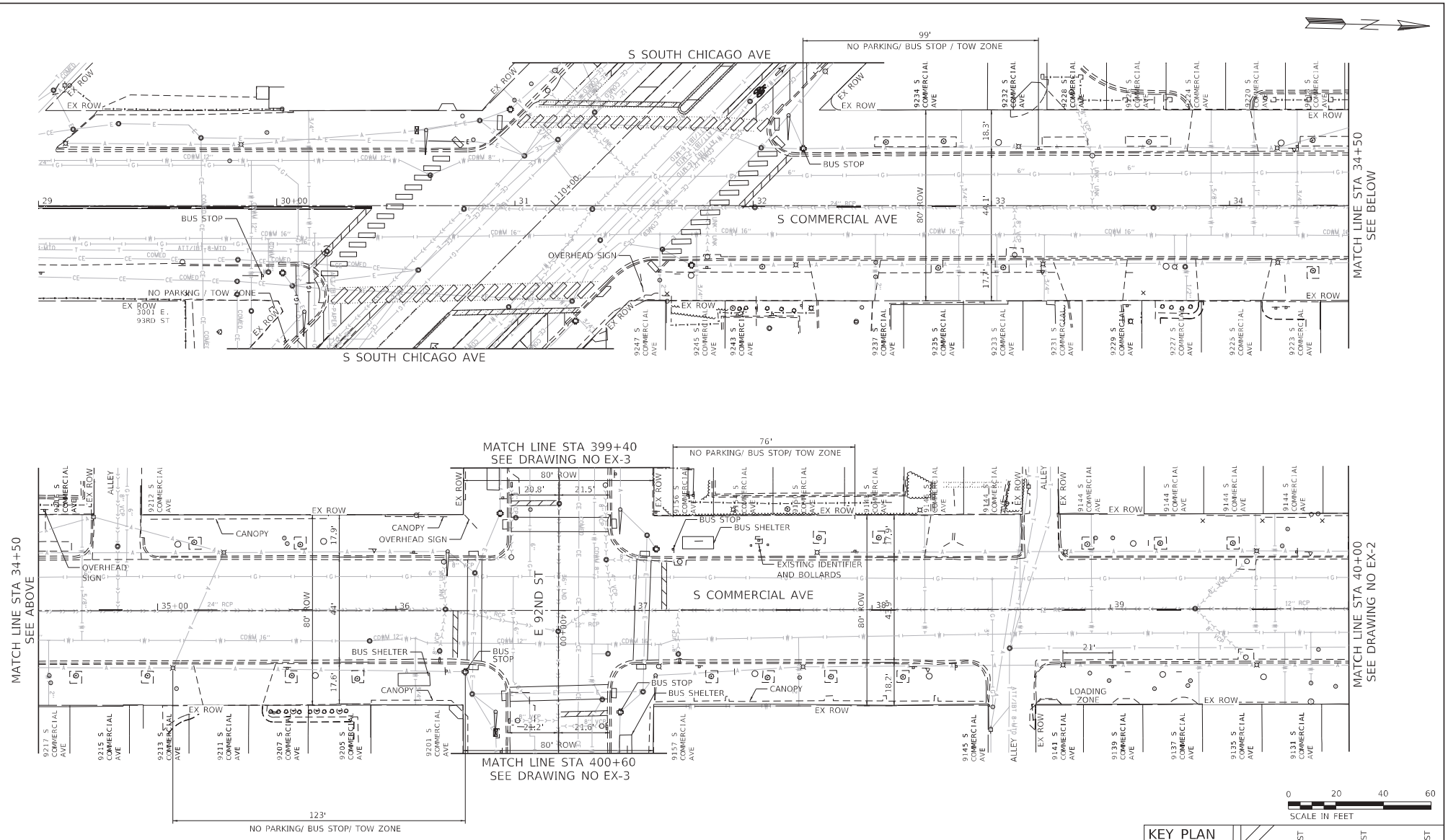
DESIGNED - D. WILCOX				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	MAINTENANCE OF TRAFFIC PLANS DETAILS
DRAWN - C. DEAN							
CHECKED - M. ALSHARBINI							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				

Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

SCALE: 1" = 20' | SHEET SE129 OF SF129 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. MOT–16
SHEET NO. 29 OF 207

MODEL: Default
PLOT DATE= 8/11/2022



DESIGNED - J. MAICHER				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - J. WORTHINGTON					
CHECKED - M. ALSHARBINI					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

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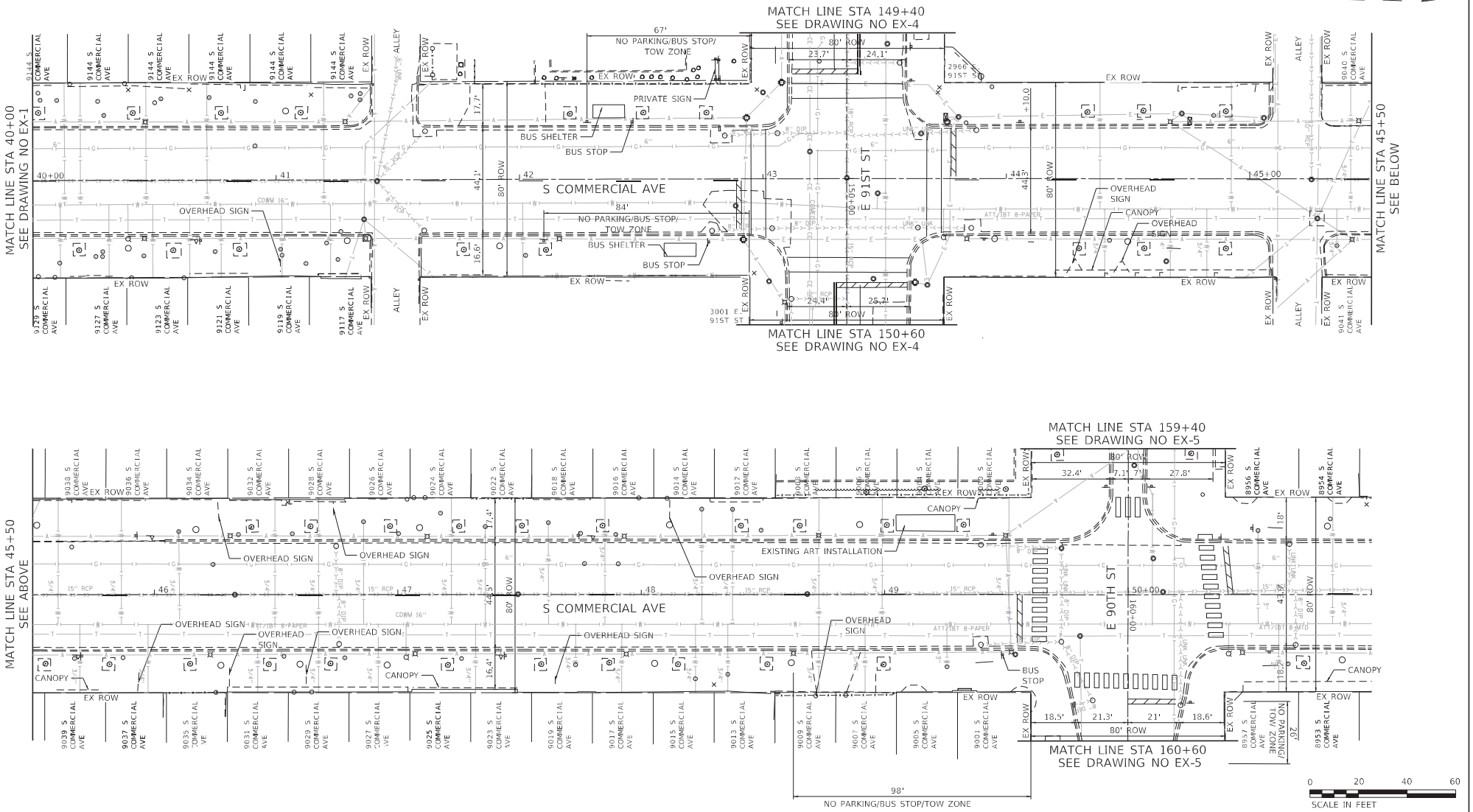
EXISTING CONDITIONS PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET EX-1 OF EX-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. EX-1
SHEET NO. 30 OF 207

MODEL: Default
PLOT DATE = 8/11/2022

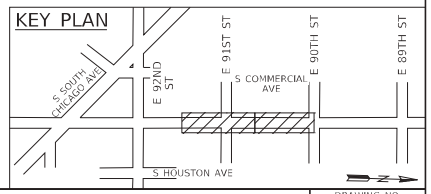


LEGEND

- XXX.XX — EXISTING SPOT ELEVATION
- FENCE
- BUSHES
- TREE / BUSH LINE
- TREE

SCALE IN FEET: 0 20 40 60

KEY PLAN



DESIGNED - J. MAJCHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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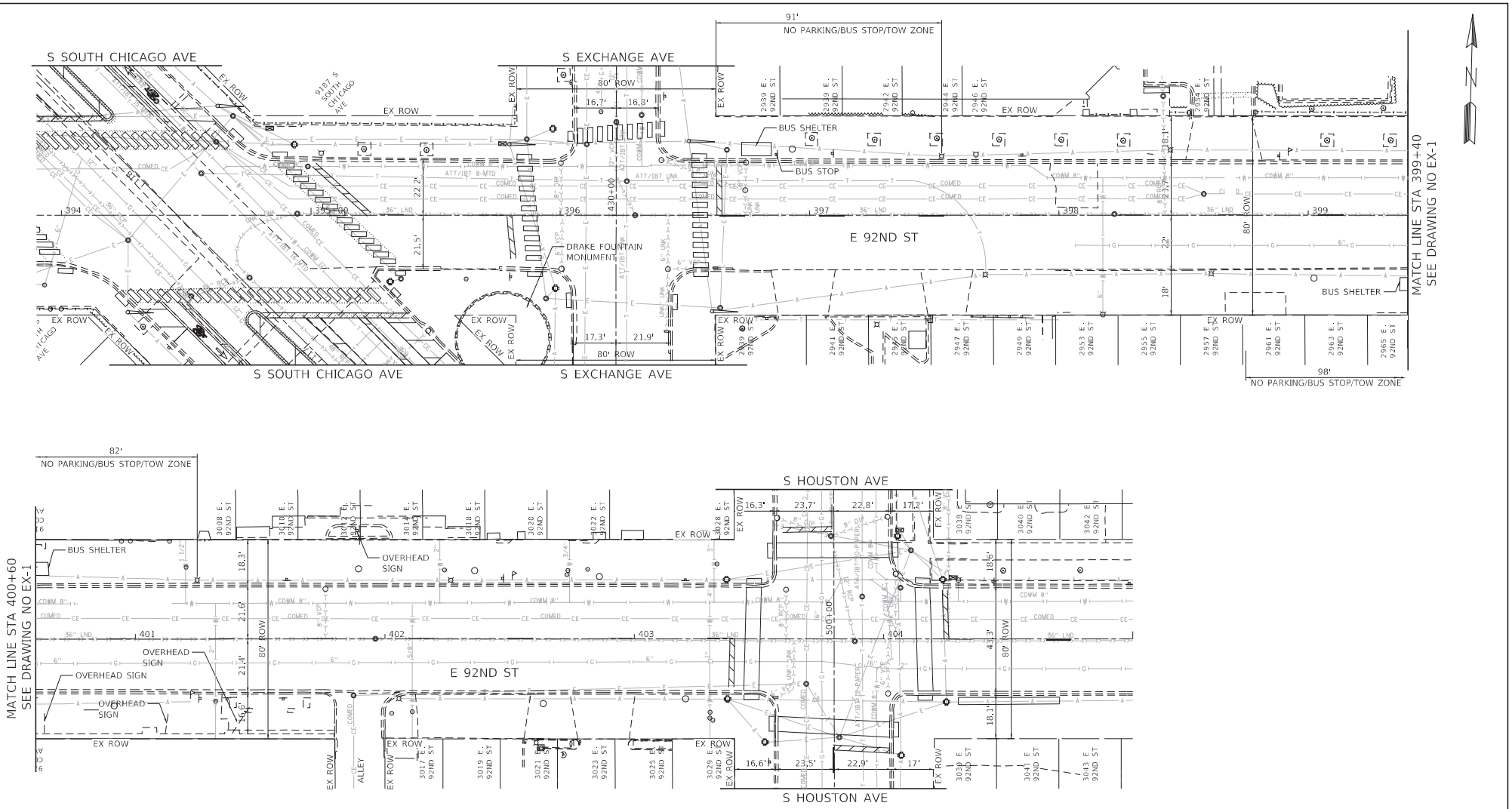
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

EXISTING CONDITIONS PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET EX-2 OF EX-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **EX-2**
SHEET NO. 31 OF 207

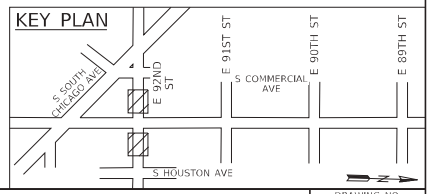


LEGEND

× XXX.XX	EXISTING SPOT ELEVATION
-·-·-	FENCE
	BUSHES
	TREE / BUSH LINE
	TREE

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - J. MAICHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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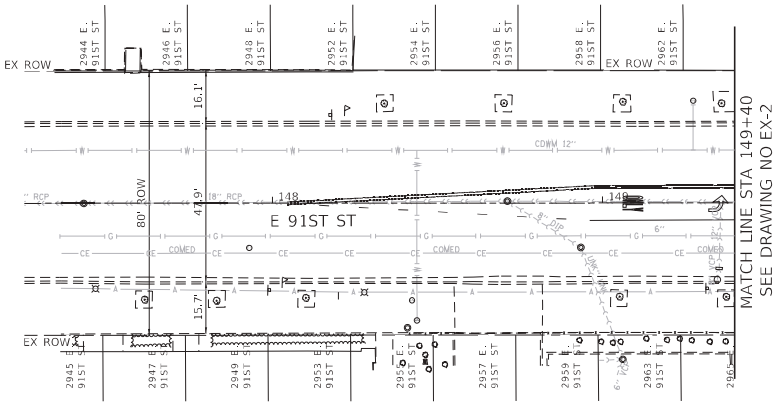
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

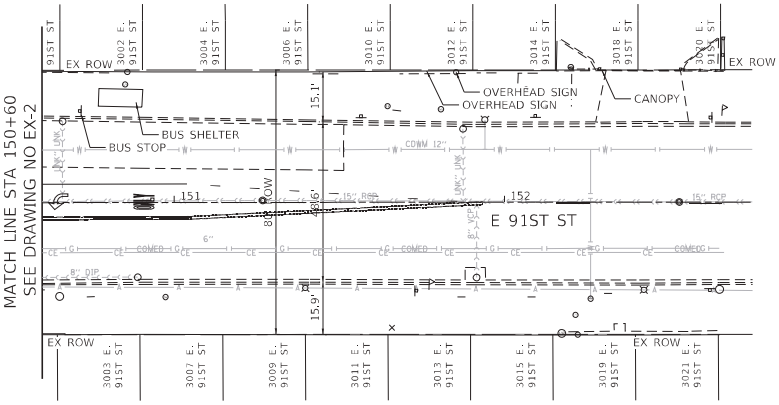
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

EXISTING CONDITIONS PLANS
E 92ND ST

SCALE: 1" = 20' | SHEET EX-3 OF EX-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO.
EX-3
SHEET NO.
32 OF 207





N

0 20 40 60
SCALE IN FEET

LEGEND

× XXX.XX	EXISTING SPOT ELEVATION
-I-I-	FENCE
	BUSHES
	TREE / BUSH LINE
	TREE



DESIGNED - J. MAJCHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

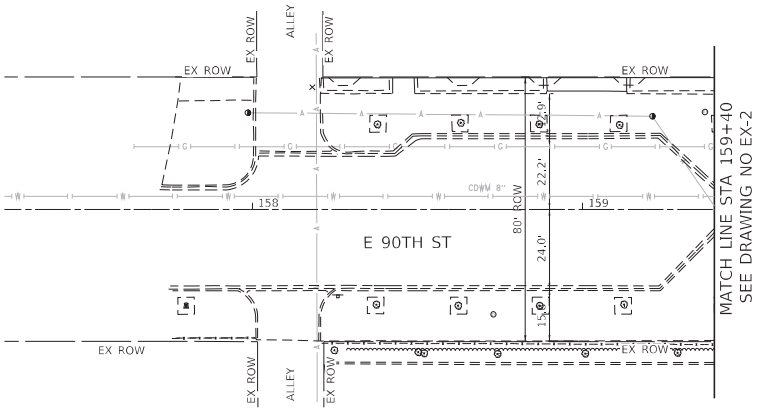
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

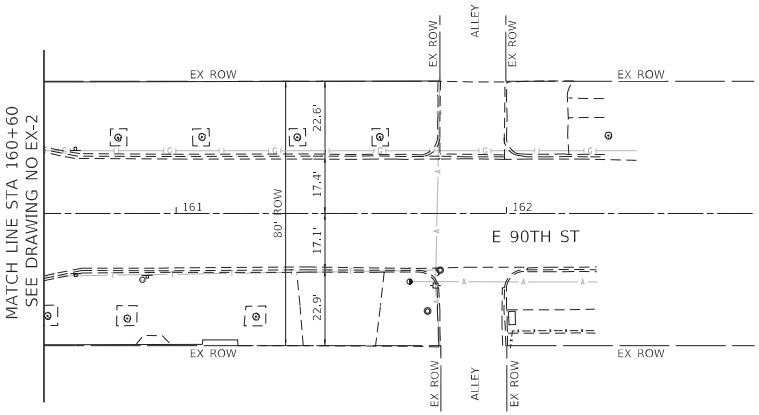
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

EXISTING CONDITIONS PLANS
E 91ST ST

SCALE: 1" = 20' | SHEET EX-4 OF EX-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **EX-4**
SHEET NO. 33 OF 207



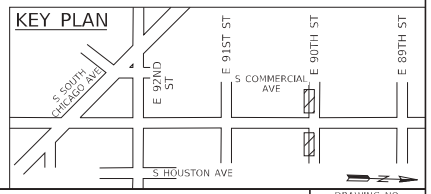




0 20 40 60
SCALE IN FEET

LEGEND

× XXX.XX	EXISTING SPOT ELEVATION
-I-I-	FENCE
	BUSHES
	TREE / BUSH LINE
	TREE



DESIGNED - J. MAICHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

EXISTING CONDITIONS PLANS
E 90TH ST

SCALE: 1" = 20' | SHEET EX-5 OF EX-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **EX-5**
SHEET NO. 34 OF 207

MODEL: Default
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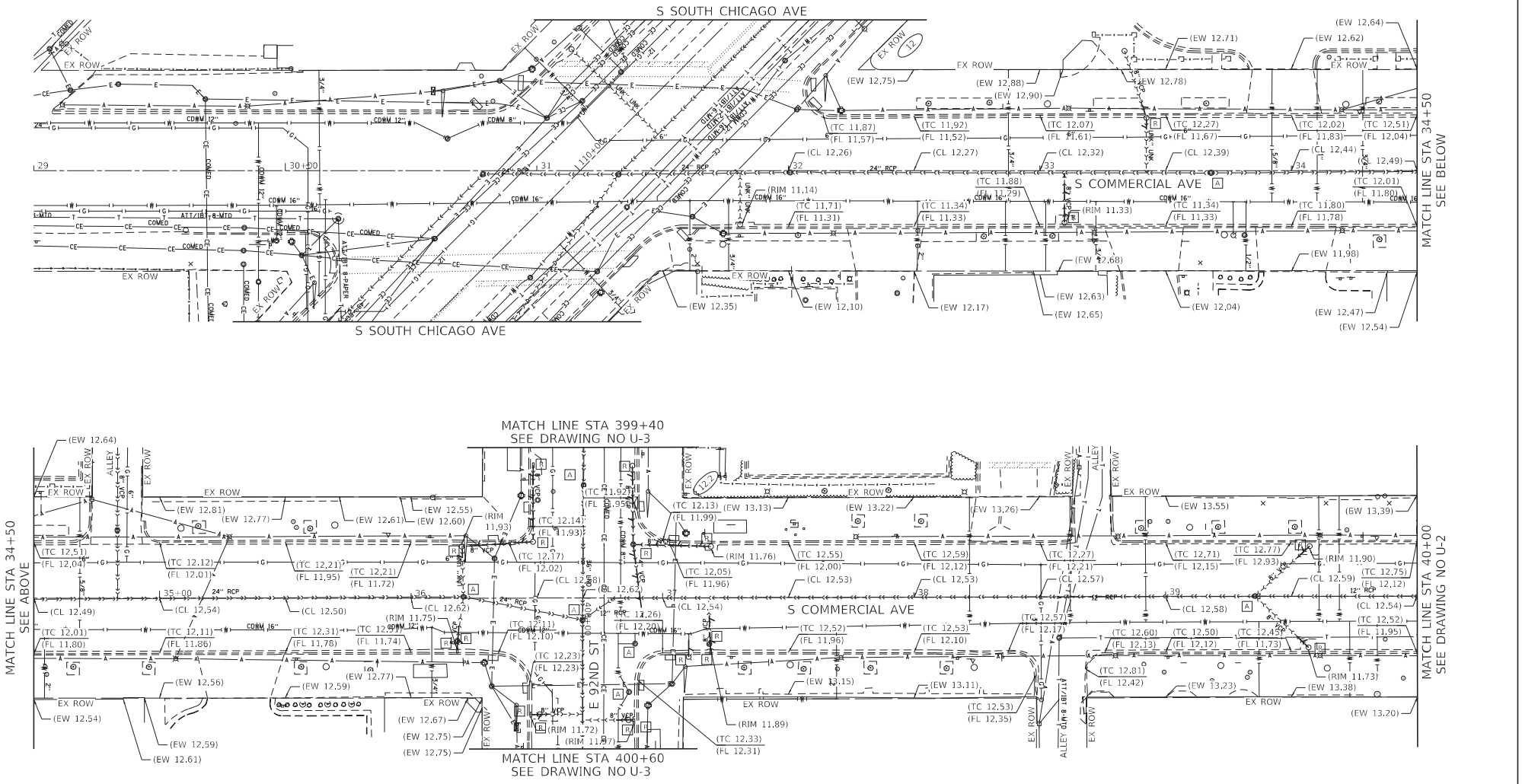


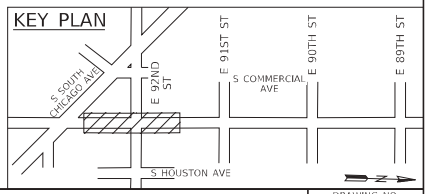
0 20 40 60

SCALE IN FEET

LEGEND

(XX.XX) = EXISTING ELEVATION
CL = CENTERLINE
TC = TOP OF CURB
FL = FLOW LINE
EW = EDGE OF SIDEWALK
RIM = RIM ELEVATION
(XX.X) ORDINACE GRADE

KEY PLAN



DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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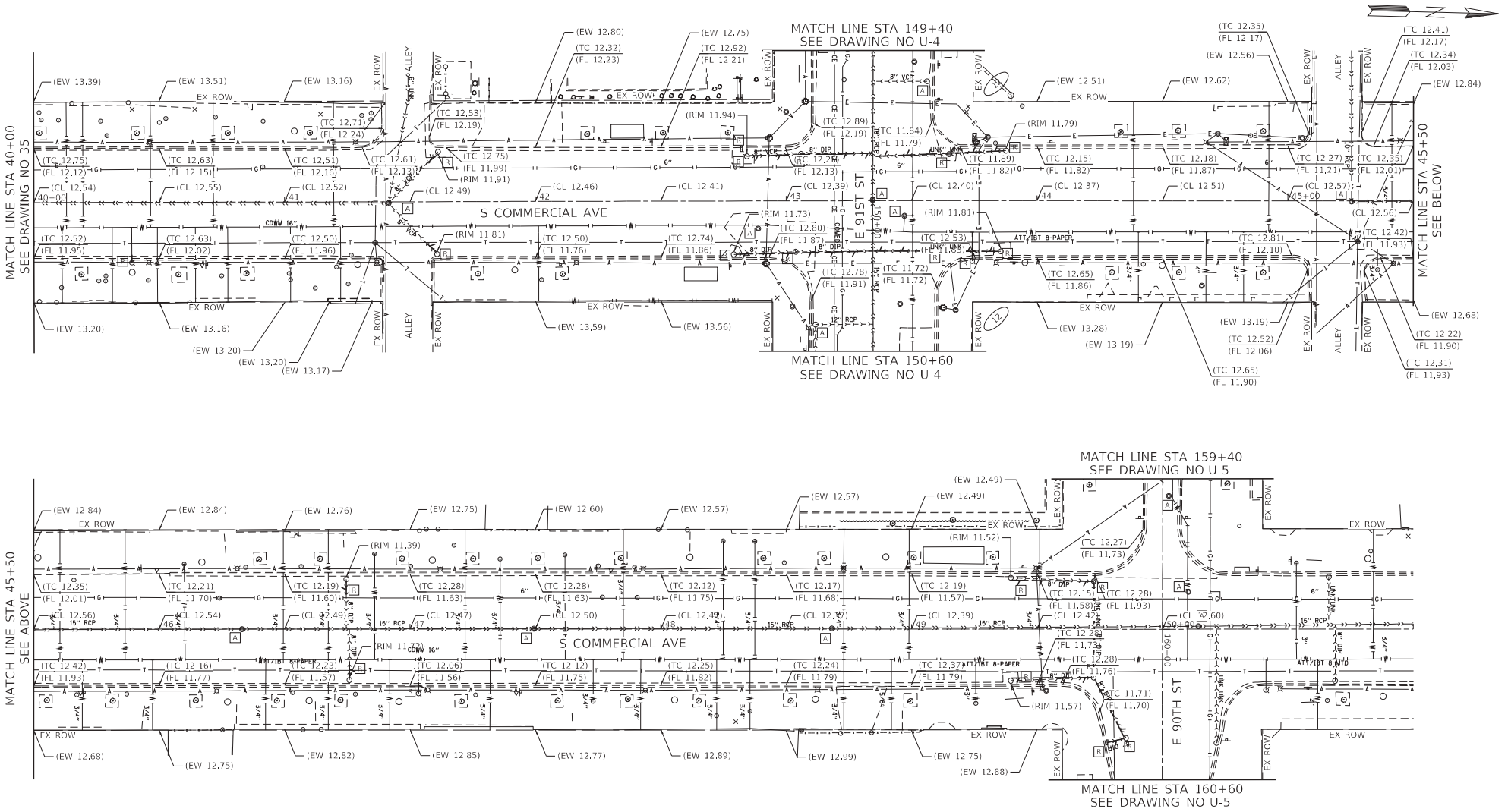
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

EXISTING GRADING AND UTILITES PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET U-1 OF U-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **U-1**
SHEET NO. 35 OF 207



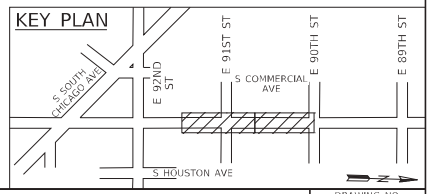
0 20 40 60

SCALE IN FEET

LEGEND

(XX.XX) = EXISTING ELEVATION
CL = CENTERLINE
TC = TOP OF CURB
FL = FLOW LINE
EW = EDGE OF SIDEWALK
RIM = RIM ELEVATION
(XX.X) ORDINANCE GRADE

KEY PLAN



DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

benesch

Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

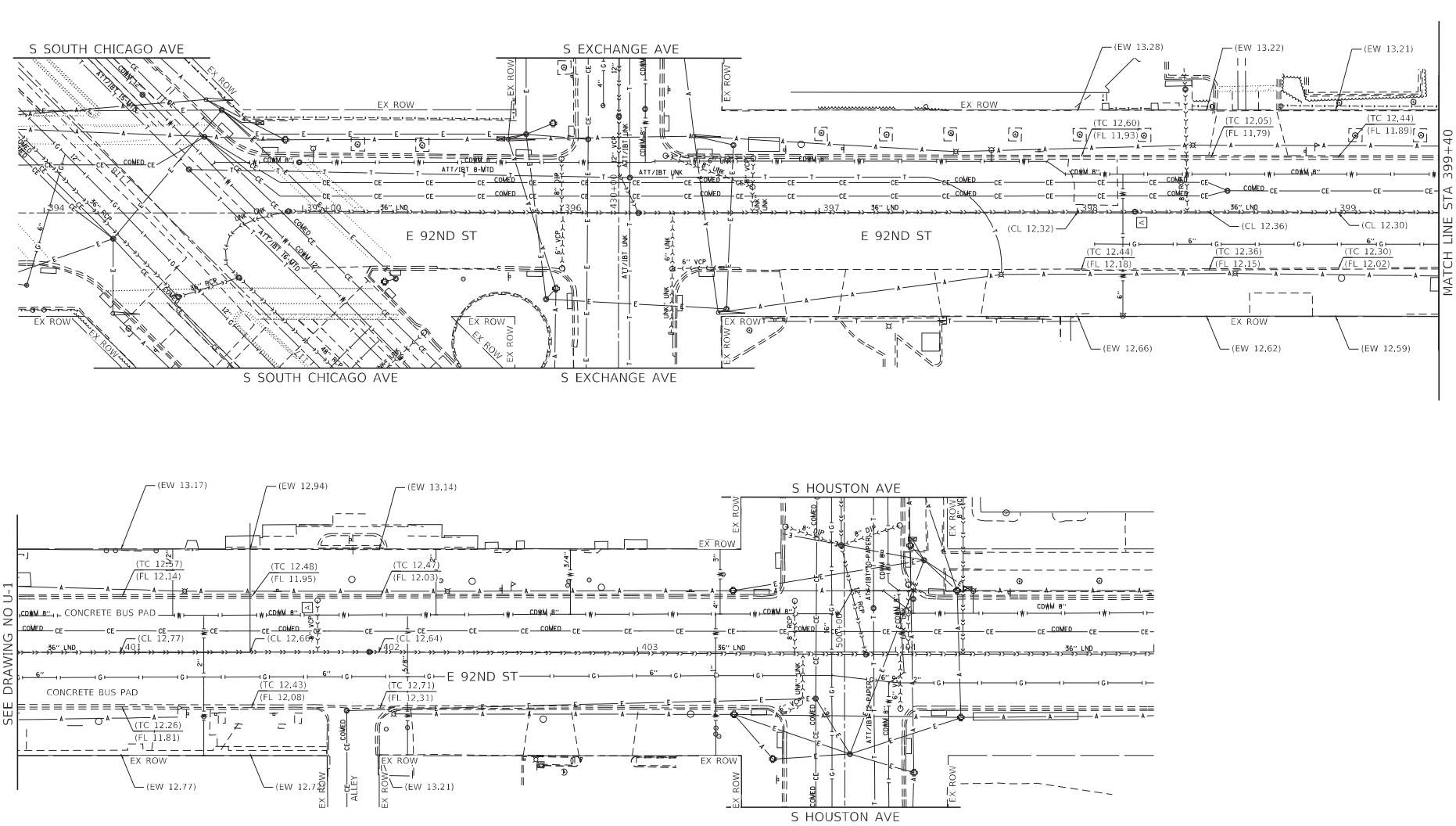
EXISTING GRADING AND UTILITES PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET U-2 OF U-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **U-2**
SHEET NO. 36 OF 207

MODEL: Default
FILE NAME: c:\users\mjeed\desktop\benesch\chicago\projects\10800s\10812.00\cad\dgn\Grading & Drainage\Plans\Section 1\MRC-08-12-S1-Hoja-grad-y-comm-02.dgn

PLOT DATE = 8/11/2022

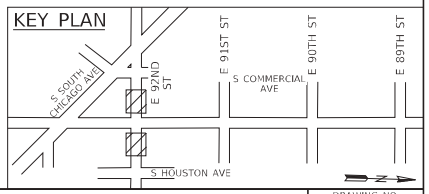


0 20 40 60
SCALE IN FEET

LEGEND

(XX.XX) = EXISTING ELEVATION
CL = CENTERLINE
TC = TOP OF CURB
FL = FLOW LINE
EW = EDGE OF SIDEWALK
RIM = RIM ELEVATION
(XX.X) ORDINACE GRADE

KEY PLAN

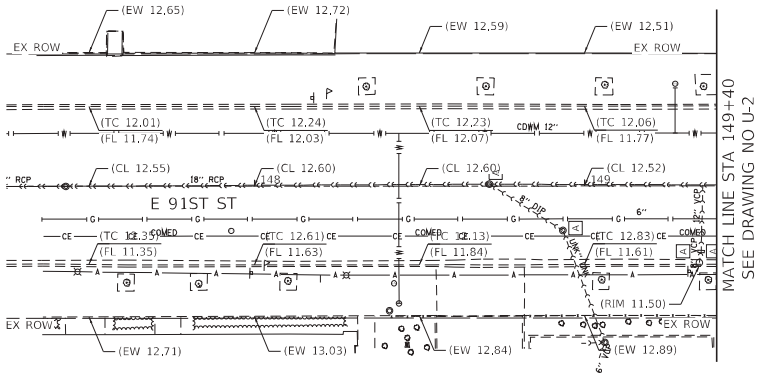


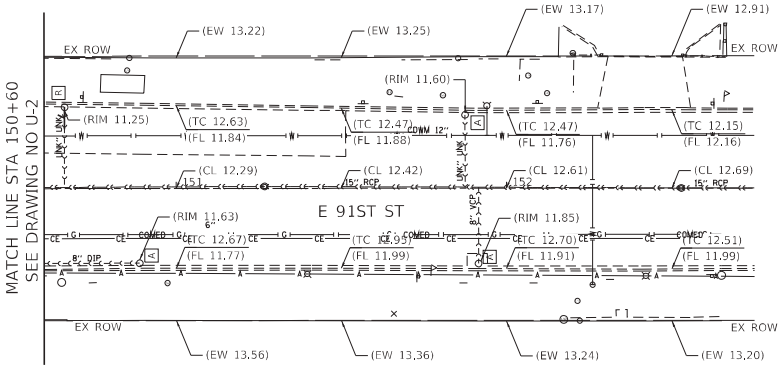
DESIGNED - H. MAJEED				benesch Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	EXISTING GRADING AND UTILITES PLANS E 92ND ST
DRAWN - H. MAJEED							
CHECKED - M. ALSHARBINI							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				

SCALE: 1" = 20' | SHEET U-3 OF U-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. U-3
SHEET NO. 37 OF 207

MODEL: Default
PLOT DATE = 8/11/2022



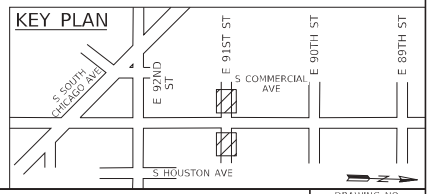


N

0 20 40 60
SCALE IN FEET

LEGEND

(XX.XX) = EXISTING ELEVATION
CL = CENTERLINE
TC = TOP OF CURB
FL = FLOW LINE
EW = EDGE OF SIDEWALK
RIM = RIM ELEVATION
(XX.X) ORDINANCE GRADE



DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

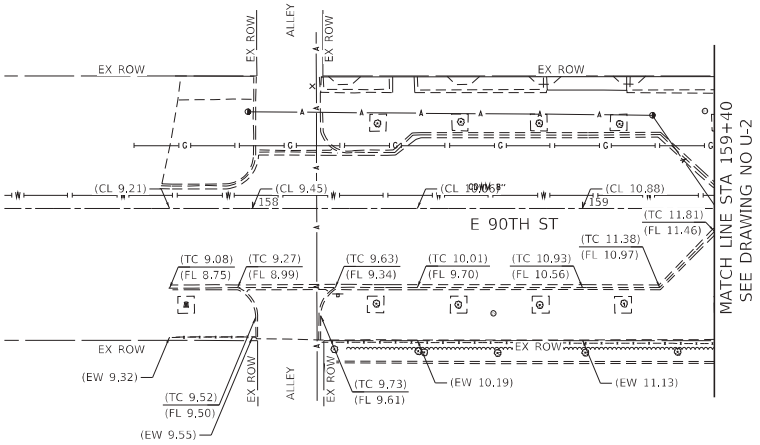
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

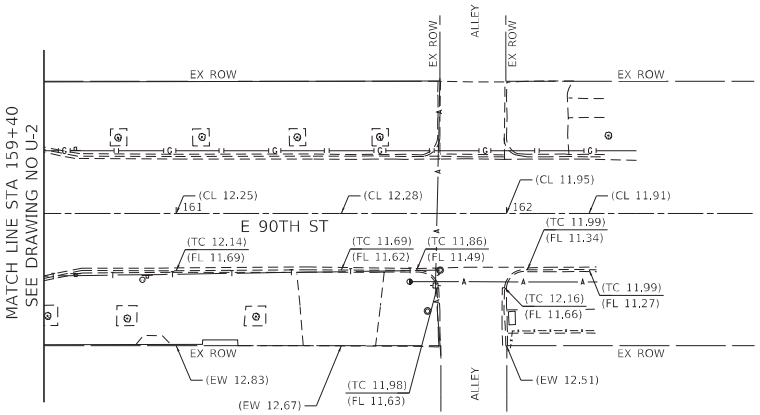
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

EXISTING GRADING AND UTILITES PLANS
E 91ST ST

SCALE: 1" = 20' | SHEET U-4 OF U-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **U-4**
SHEET NO. 38 OF 207



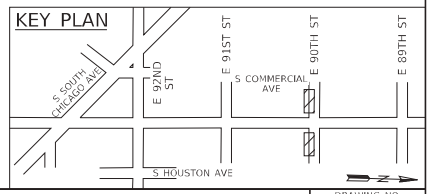


0 20 40 60
SCALE IN FEET

LEGEND

(XX.XX) = EXISTING ELEVATION
CL = CENTERLINE
TC = TOP OF CURB
FL = FLOW LINE
EW = EDGE OF SIDEWALK
RIM = RIM ELEVATION
(XX.X) ORDINACE GRADE

KEY PLAN



DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

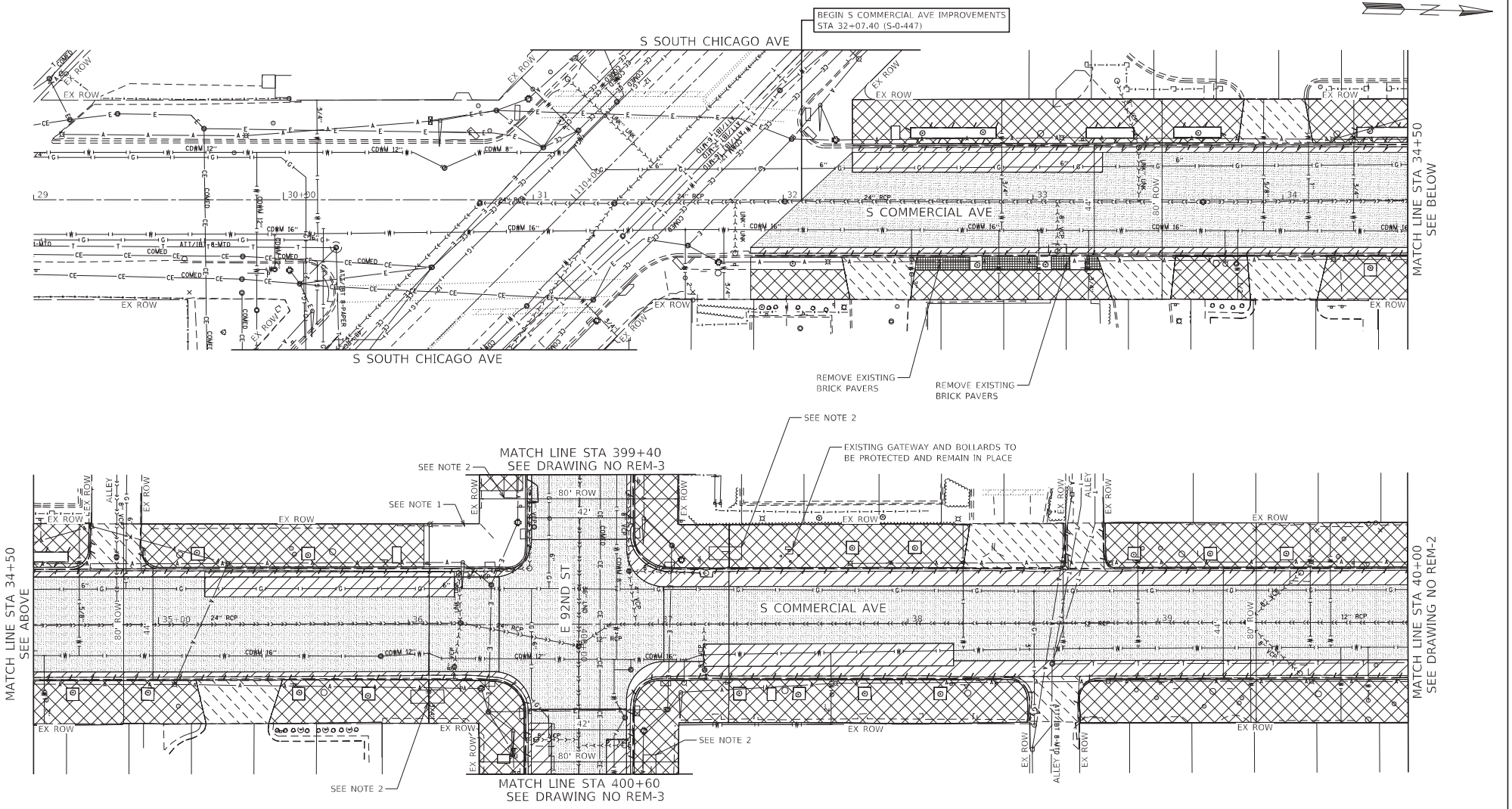
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

EXISTING GRADING AND UTILITES PLANS
E 90TH ST

SCALE: 1" = 20' | SHEET U-5 OF U-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **U-5**
SHEET NO. 39 OF 207



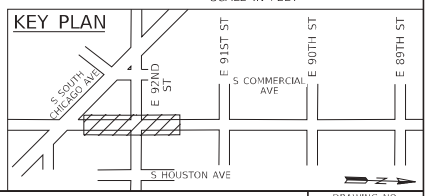
0 20 40 60
SCALE IN FEET

NOTES:

1. SEE VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS FOR REMOVAL LIMITS.
2. BUS SHELTER TO BE REMOVED BY OTHERS.
3. ART INSTALLATION TO BE RELOCATED BY OTHERS.
4. FOR TREE REMOVAL LOCATIONS, SEE LANDSCAPING PLANS.
5. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

LEGEND

- SIDEWALK REMOVAL
- HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (CDOT4400010)
- PAVEMENT REMOVAL (44000100)
- DRIVEWAY AND ALLEY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL (44000500)



DESIGNED - J. MAJCHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

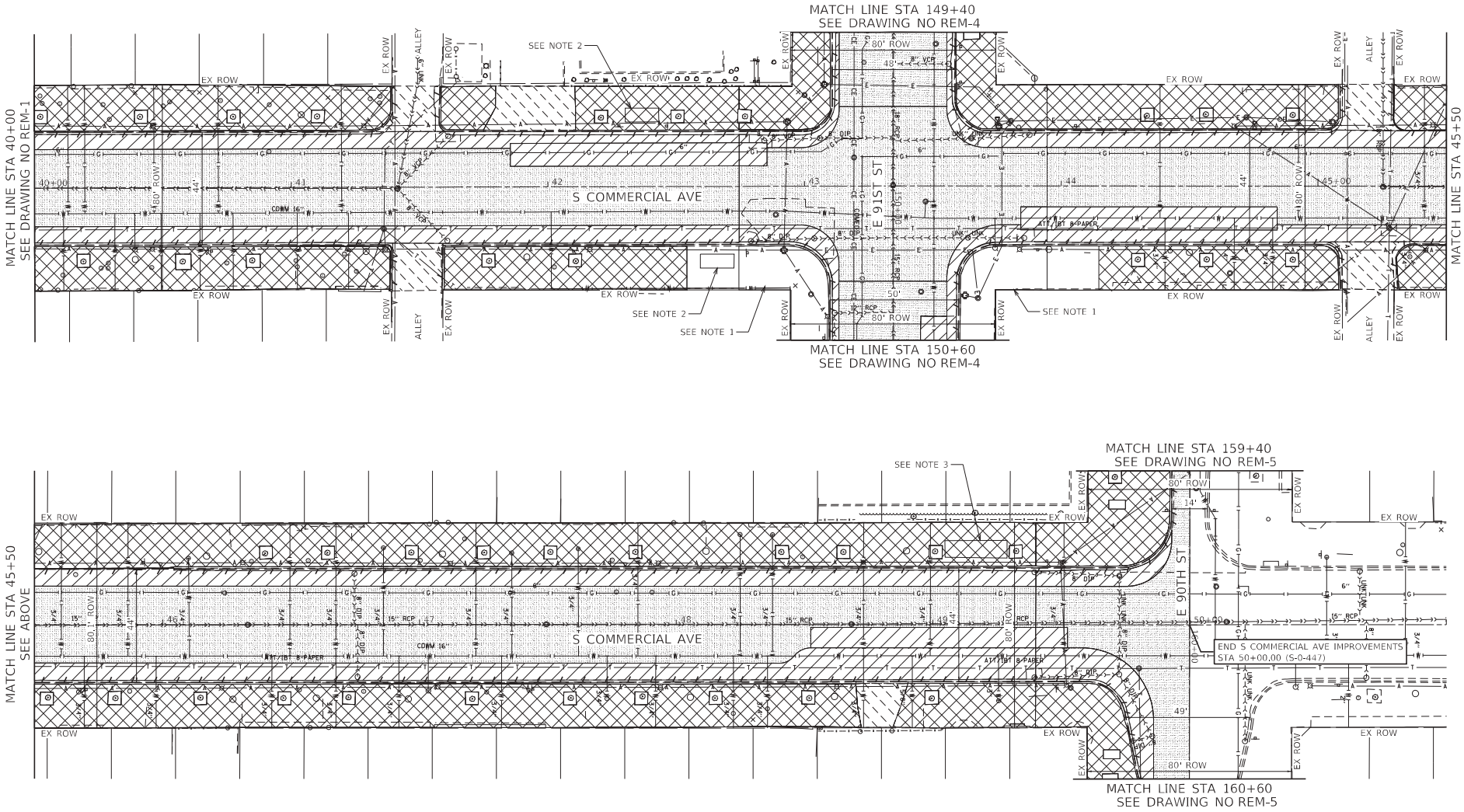
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

REMOVAL PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET REM-1 OF REM-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO.
REM-1
SHEET NO.
40 OF 207



0 20 40 60

SCALE IN FEET

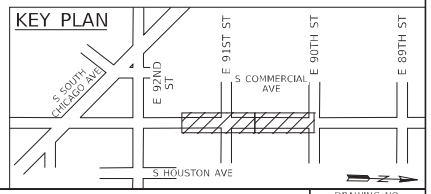
NOTES:

1. SEE VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS FOR REMOVAL LIMITS.
2. BUS SHELTER TO BE REMOVED BY OTHERS.
3. ART INSTALLATION TO BE RELOCATED BY OTHERS.
4. FOR TREE REMOVAL LOCATIONS, SEE LANDSCAPING PLANS.
5. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

LEGEND

- SIDEWALK REMOVAL
- HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (CDOT4400010)
- PAVEMENT REMOVAL (44000100)
- DRIVEWAY AND ALLEY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL (44000500)

KEY PLAN



DESIGNED - J. MAICHER				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE = 8/11/2022

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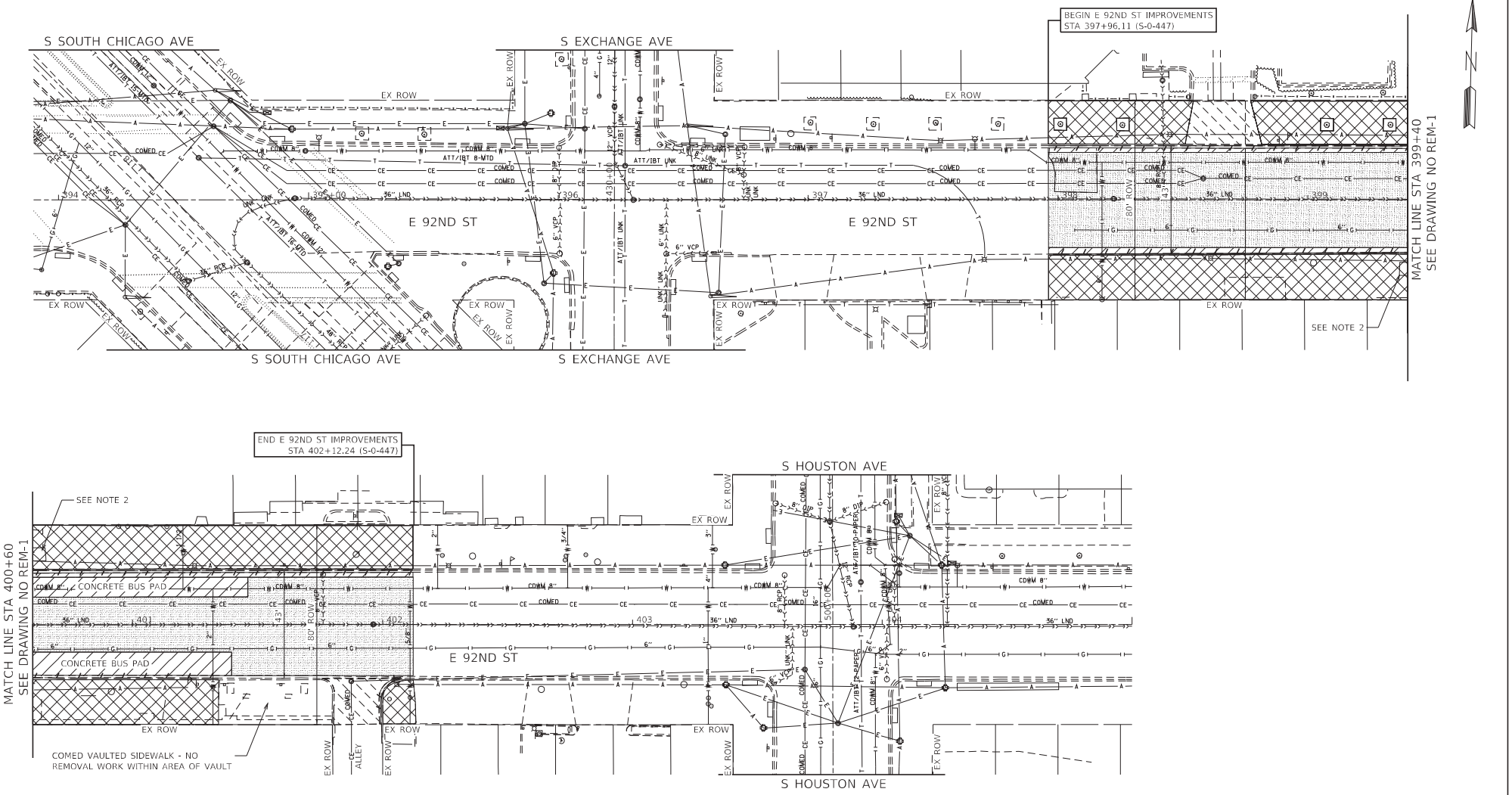
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

REMOVAL PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET REM-2 OF REM-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **REM-2**
SHEET NO. 41 OF 207



0 20 40 60

SCALE IN FEET

NOTES:

1. SEE VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS FOR REMOVAL LIMITS.
2. BUS SHELTER TO BE REMOVED BY OTHERS.
3. ART INSTALLATION TO BE RELOCATED BY OTHERS.
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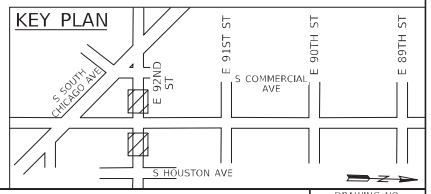
5. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

LEGEND

- SIDEWALK REMOVAL
- HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (CDOT4400010)
- PAVEMENT REMOVAL (44000100)
- DRIVEWAY AND ALLEY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL (44000500)

KEY PLAN



DESIGNED - J. MAICHER				benesch Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	REMOVAL PLANS E 92ND ST
DRAWN - J. WORTHINGTON							
CHECKED - M. ALSHARBINI							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SCALE: 1" = 20' | SHEET REM-3 OF REM-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. REM-3
SHEET NO. 42 OF 207

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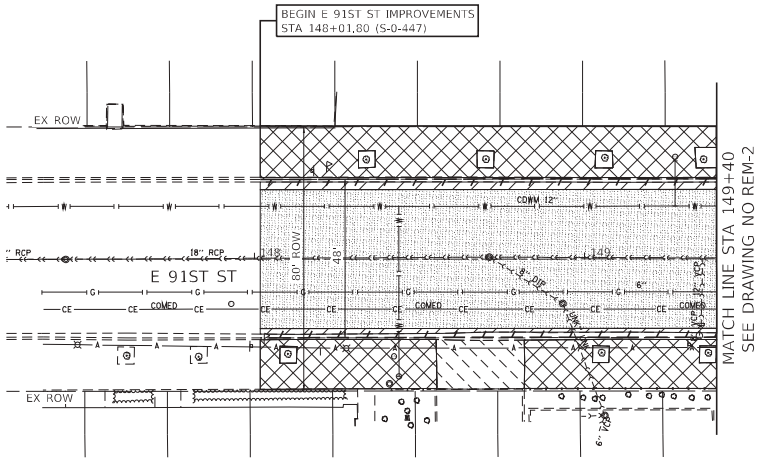
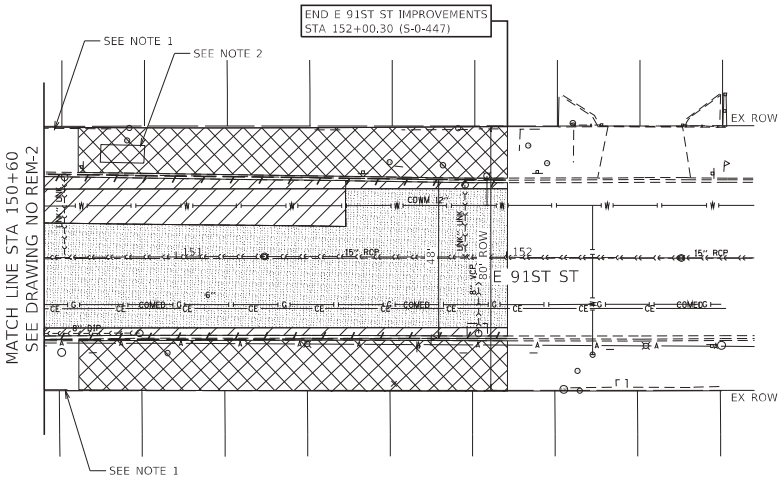
PLOT DATE = 8/11/2022







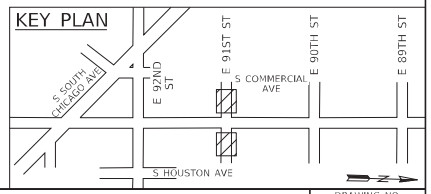
NOTES:

1. SEE VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS FOR REMOVAL LIMITS.
2. BUS SHELTER TO BE REMOVED BY OTHERS.
3. ART INSTALLATION TO BE RELOCATED BY OTHERS.
4. FOR TREE REMOVAL LOCATIONS, SEE LANDSCAPING PLANS.
5. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

LEGEND

- SIDEWALK REMOVAL
- HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (CDOT4400010)
- PAVEMENT REMOVAL (44000100)
- DRIVEWAY AND ALLEY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL (44000500)

0 20 40 60
SCALE IN FEET



DESIGNED - J. MAJCHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

REMOVAL PLANS
E 91ST ST

SCALE: 1" = 20' | SHEET REM-4 OF REM-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO.
REM-4
SHEET NO.
43 OF 207

MODEL: Default
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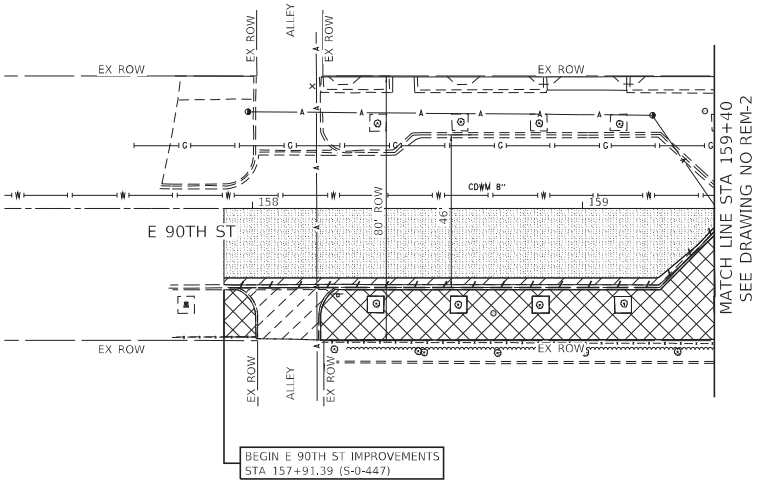

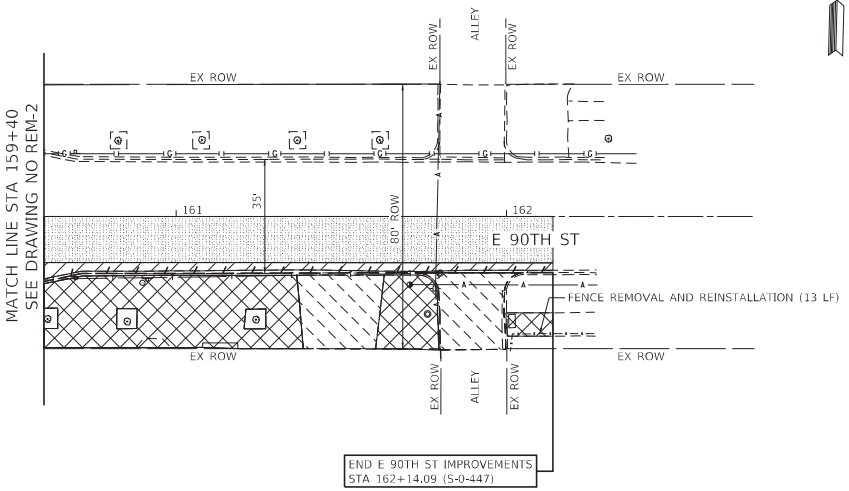



NOTES:

1. SEE VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS FOR REMOVAL LIMITS.
2. BUS SHELTER TO BE REMOVED BY OTHERS.
3. ART INSTALLATION TO BE RELOCATED BY OTHERS.
4. FOR TREE REMOVAL LOCATIONS, SEE LANDSCAPING PLANS.
5. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

LEGEND

- SIDEWALK REMOVAL
- HOT MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH (CDOT4400010)
- PAVEMENT REMOVAL (44000100)
- DRIVEWAY AND ALLEY PAVEMENT REMOVAL
- COMBINATION CURB AND GUTTER REMOVAL (44000500)

0 20 40 60
SCALE IN FEET



DESIGNED - J. MAICHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

REMOVAL PLANS
E 90TH ST

SCALE: 1" = 20' | SHEET MOT-16 OF MOT-16 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **REM-5**
SHEET NO. 44 OF 207

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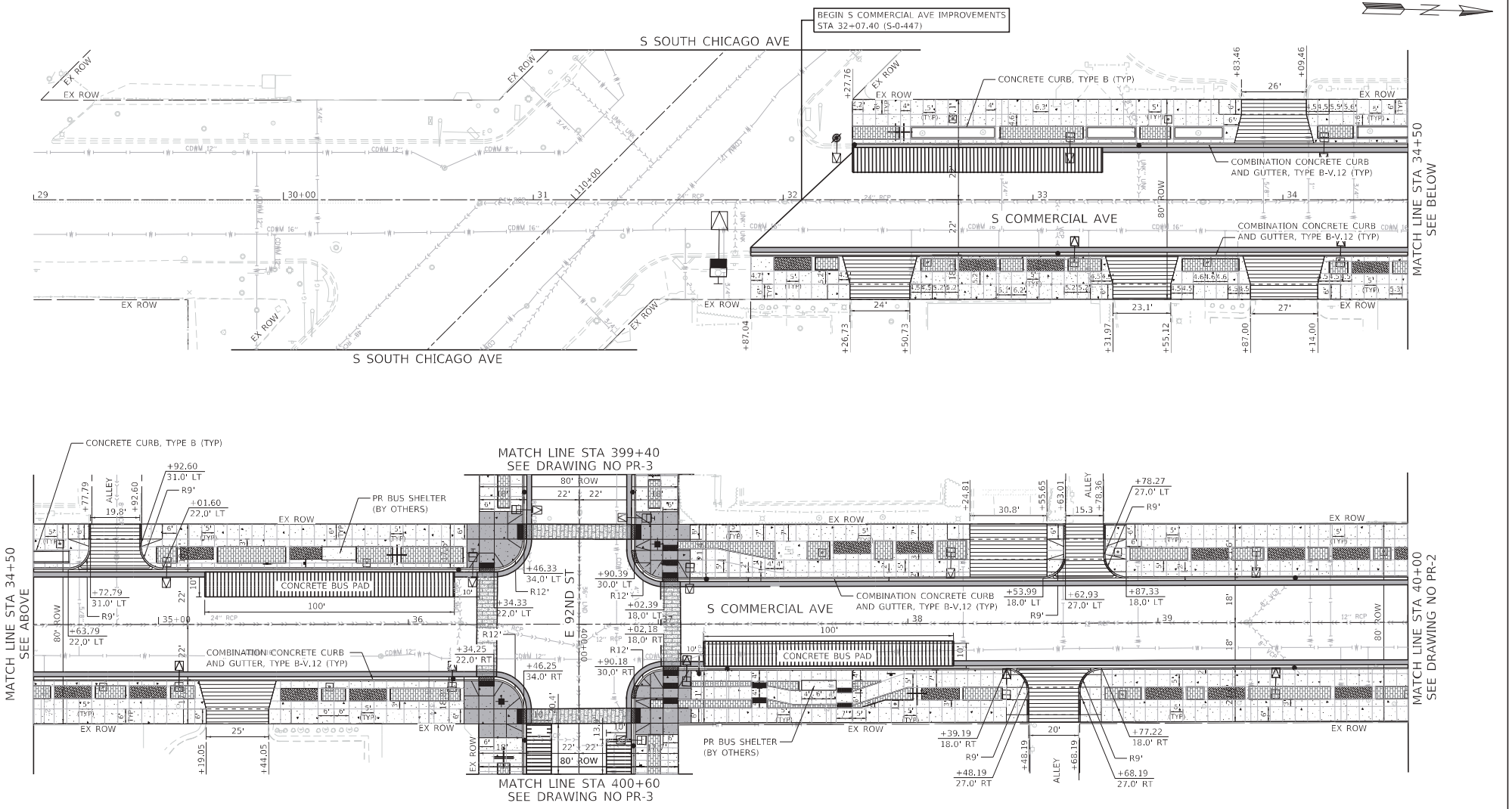


LEGEND

- STA. / OFFSET LT/RT — TIE IN STATION TIE IN OFFSET
- XX' R — RADIUS (MEASURED AT FOC)
- PAVEMENT RESURFACING
- PAVEMENT RECONSTRUCTION
- DRIVEWAY / ALLEY PAVEMENT
- PCC BUS PAD
- PCC SIDEWALK 5"
- PCC ADA SIDEWALK
- 5' X 15' OPEN TREE PIT (SEE LANDSCAPING PLANS FOR DETAILS)
- PAVERS (SEE MATERIAL AND SITE FURNISHING PLANS FOR DETAILS)
- CURB RAMPS WITH TACTILE / DETECTIBLE WARNING TILES (ADA TRUNCATED DOME) (SEE ADA DETAIL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE / TRAFFIC SIGNALS (SEE ELECTRICAL SHEETS FOR DETAILS)

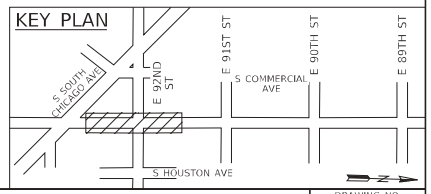
*** REFER TO PROPOSED TYPICAL SECTIONS FOR DETAILED PAY ITEM NAMES AND NUMBERS

NOTES:

1. REFER TO DRIVEWAY DETAILS FOR LAYOUT OF DRIVEWAYS AND ALLEYS.
2. REFER TO PROPOSED ADA CURB RAMP SHEETS FOR LAYOUT AT ADA RAMPS.
3. SIDEWALK JOINTING SHOWN IS A SUGGESTED LAYOUT, CONTRACTOR SHALL ADJUST JOINTING AS NECESSARY FOR FIELD CONDITIONS/PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOT PLACE PARALLEL JOINTS WITHIN THE BIKE PATH.
4. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - J. MAJCHER				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - J. WORTHINGTON					
CHECKED - M. ALSHARBINI					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

benesch — Allied Benesch & Company, 35 W Wacker Drive, Suite 3300, Chicago, Illinois 60601, 312-565-0450, Job No. 10812 S1

PROPOSED PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET PR-1 OF PR-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. PR–1
SHEET NO. 45 OF 207

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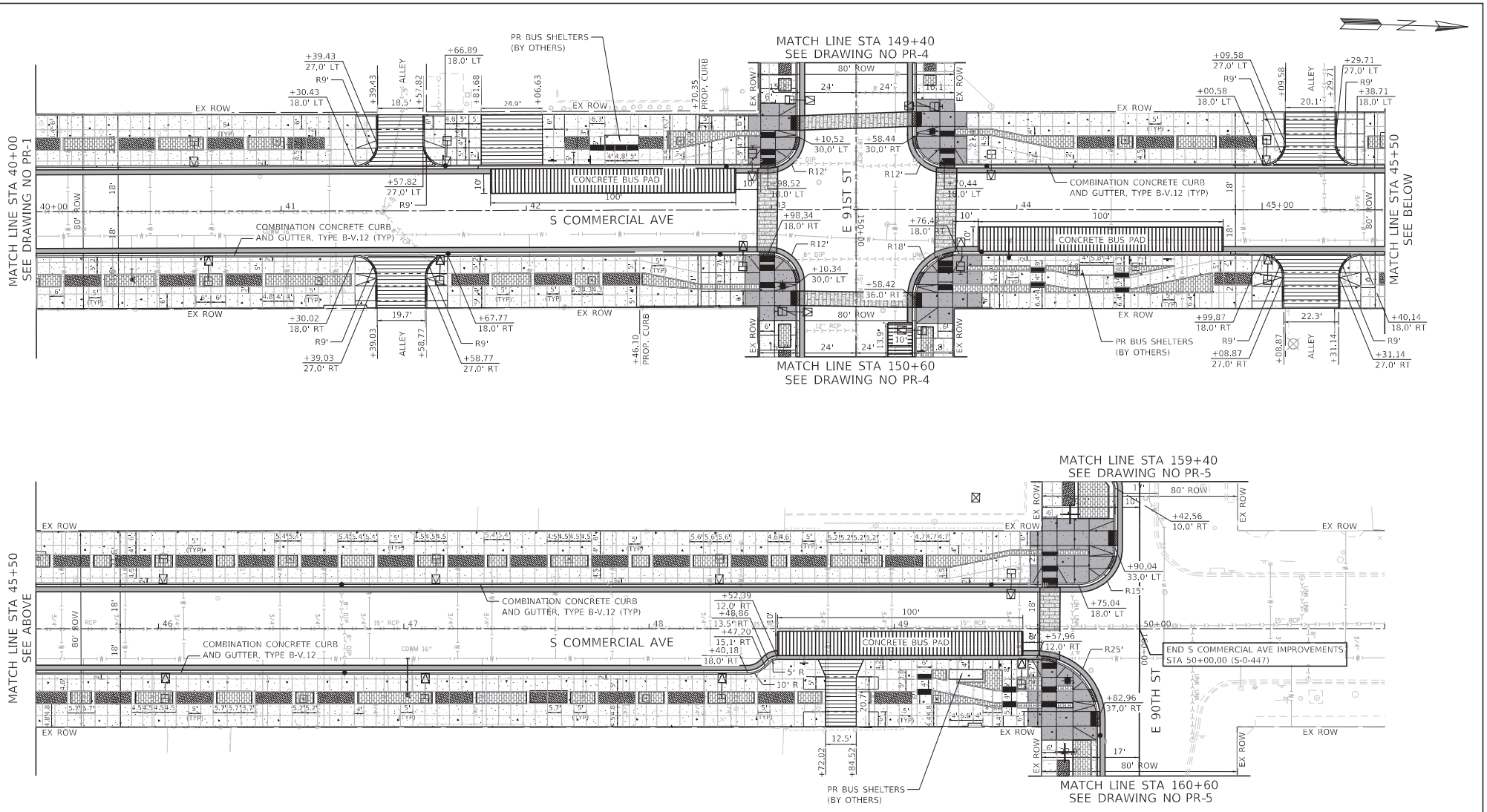
PLOT DATE = 8/12/2022



LEGEND

- STA. / OFFSET LT/RT — TIE IN STATION TIE IN OFFSET
- XX' R — RADIUS (MEASURED AT FOC)
- PAVEMENT RESURFACING
- PAVEMENT RECONSTRUCTION
- DRIVEWAY / ALLEY PAVEMENT
- PCC BUS PAD
- PCC SIDEWALK 5"
- PCC ADA SIDEWALK
- 5' X 15' OPEN TREE PIT (SEE LANDSCAPING PLANS FOR DETAILS)
- PAVERS (SEE MATERIAL AND SITE FURNISHING PLANS FOR DETAILS)
- CURB RAMPS WITH TACTILE / DETECTIBLE WARNING TILES (ADA TRUNCATED DOME) (SEE ADA DETAIL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE / TRAFFIC SIGNALS (SEE ELECTRICAL SHEETS FOR DETAILS)

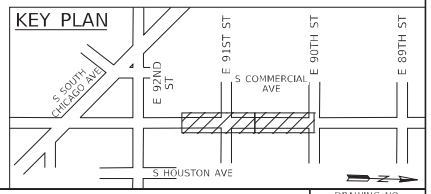
*** REFER TO PROPOSED TYPICAL SECTIONS FOR DETAILED PAY ITEM NAMES AND NUMBERS

NOTES:

1. REFER TO DRIVEWAY DETAILS FOR LAYOUT OF DRIVEWAYS AND ALLEYS.
2. REFER TO PROPOSED ADA CURB RAMP SHEETS FOR LAYOUT AT ADA RAMPS.
3. SIDEWALK JOINTING SHOWN IS A SUGGESTED LAYOUT. CONTRACTOR SHALL ADJUST JOINTING AS NECESSARY FOR FIELD CONDITIONS/PROPOSED IMPROVEMENTS. CONTRACTOR SHALL NOT PLACE PARALLEL JOINTS WITHIN THE BIKE PATH.
4. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - J. MAJCHER				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

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Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

PROPOSED PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET PR-2 OF PR-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PR-2**
SHEET NO. 46 OF 207

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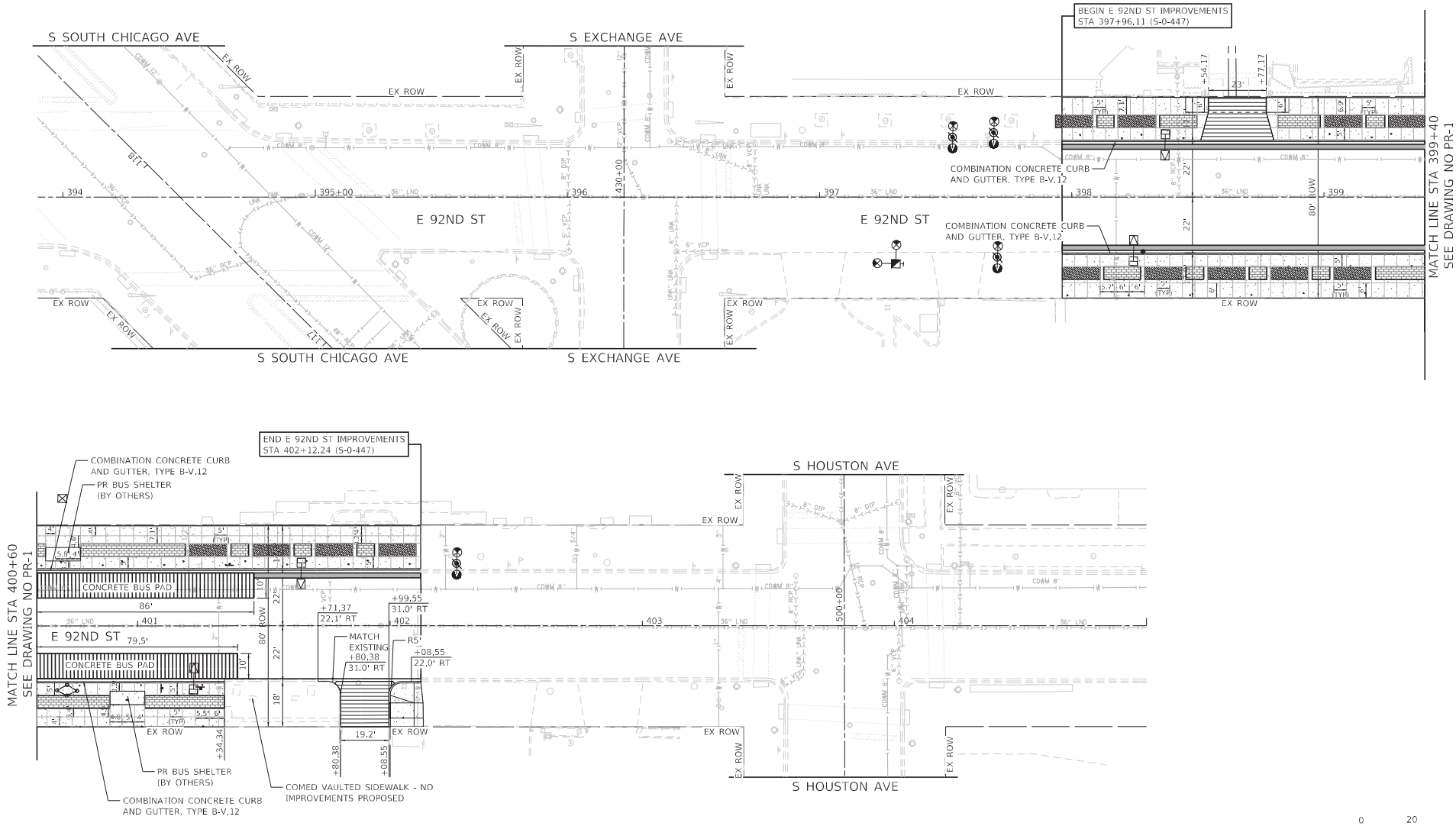
PLOT DATE = 8/12/2022



LEGEND

- STA. / OFFSET LT/RT — TIE IN STATION TIE IN OFFSET
- XX' R — RADIUS (MEASURED AT FOC)
- PAVEMENT RESURFACING
- PAVEMENT RECONSTRUCTION
- DRIVEWAY / ALLEY PAVEMENT
- PCC BUS PAD
- PCC SIDEWALK 5"
- PCC ADA SIDEWALK
- 5' X 15' OPEN TREE PIT (SEE LANDSCAPING PLANS FOR DETAILS)
- PAVERS (SEE MATERIAL AND SITE FURNISHING PLANS FOR DETAILS)

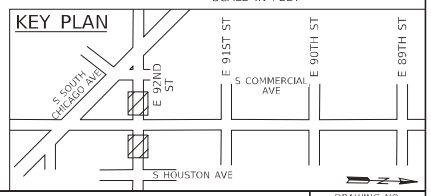
*** REFER TO PROPOSED TYPICAL SECTIONS FOR DETAILED PAY ITEM NAMES AND NUMBERS

- CURB RAMPS WITH TACTILE / DETECTIBLE WARNING TILES (ADA TRUNCATED DOME) (SEE ADA DETAIL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE / TRAFFIC SIGNALS (SEE ELECTRICAL SHEETS FOR DETAILS)

NOTES:

1. REFER TO DRIVEWAY DETAILS FOR LAYOUT OF DRIVEWAYS AND ALLEYS.
2. SIDEWALK JOINTING SHOWN IS A SUGGESTED LAYOUT. CONTRACTOR SHALL ADJUST JOINTING AS NECESSARY FOR FIELD CONDITIONS/PROPOSED IMPROVEMENTS.
3. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

0 20 40 60
SCALE IN FEET



DESIGNED - J. MAICHER				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

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Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

PROPOSED PLANS
E 92ND ST

SCALE: 1" = 20' | SHEET PR-3 OF PR-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PR-3**
SHEET NO. 47 OF 207

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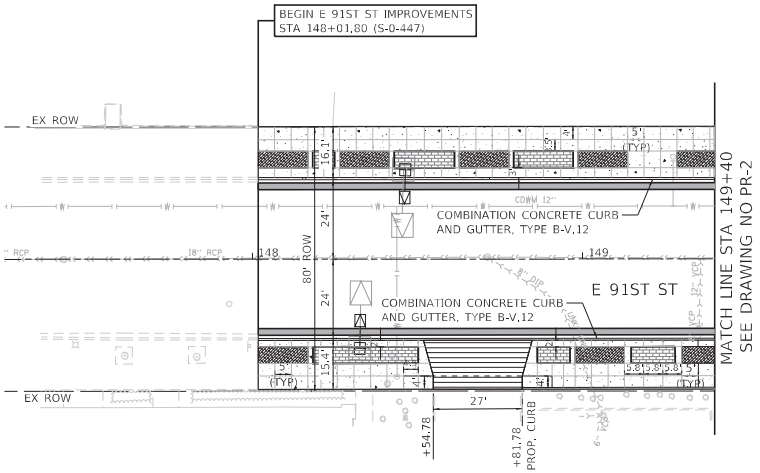
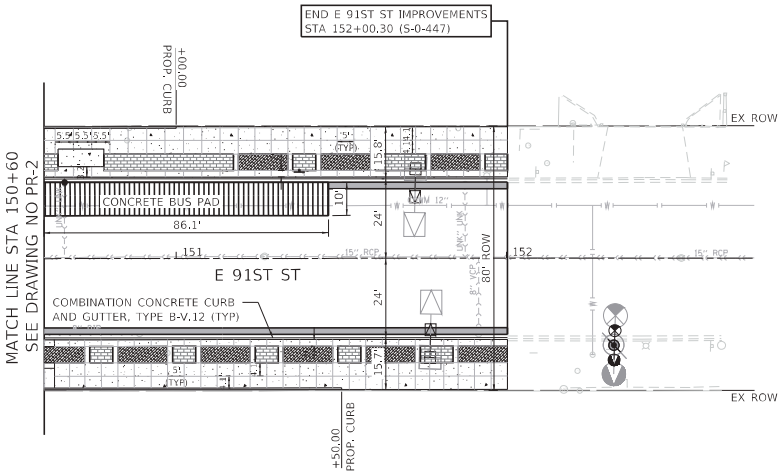
PLOT DATE = 8/12/2022





N

LEGEND

- STA. / OFFSET LT/RT — TIE IN STATION TIE IN OFFSET
- XX' R — RADIUS (MEASURED AT FOC)
- PAVEMENT RESURFACING
- PAVEMENT RECONSTRUCTION
- DRIVEWAY / ALLEY PAVEMENT
- PCC BUS PAD
- PCC SIDEWALK 5"
- PCC ADA SIDEWALK
- 5' X 15' OPEN TREE PIT (SEE LANDSCAPING PLANS FOR DETAILS)
- PAVERS (SEE MATERIAL AND SITE FURNISHING PLANS FOR DETAILS)
- CURB RAMPS WITH TACTILE / DETECTIBLE WARNING TILES (ADA TRUNCATED DOME) (SEE ADA DETAIL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE / TRAFFIC SIGNALS (SEE ELECTRICAL SHEETS FOR DETAILS)

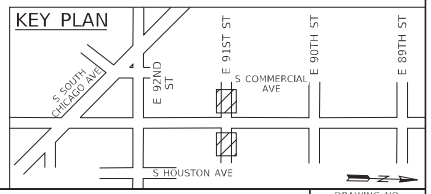
*** REFER TO PROPOSED TYPICAL SECTIONS FOR DETAILED PAY ITEM NAMES AND NUMBERS

NOTES:

1. REFER TO DRIVEWAY DETAILS FOR LAYOUT OF DRIVEWAYS AND ALLEYS.
2. SIDEWALK JOINTING SHOWN IS A SUGGESTED LAYOUT. CONTRACTOR SHALL ADJUST JOINTING AS NECESSARY FOR FIELD CONDITIONS/PROPOSED IMPROVEMENTS.
3. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - J. MAJCHER			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

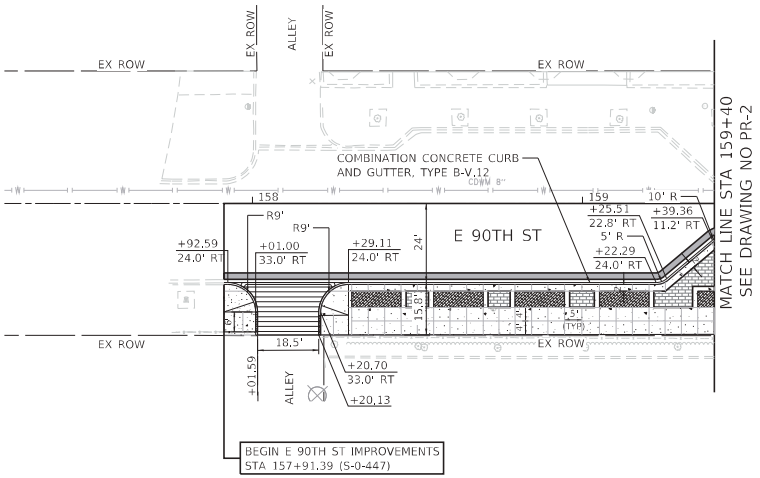
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

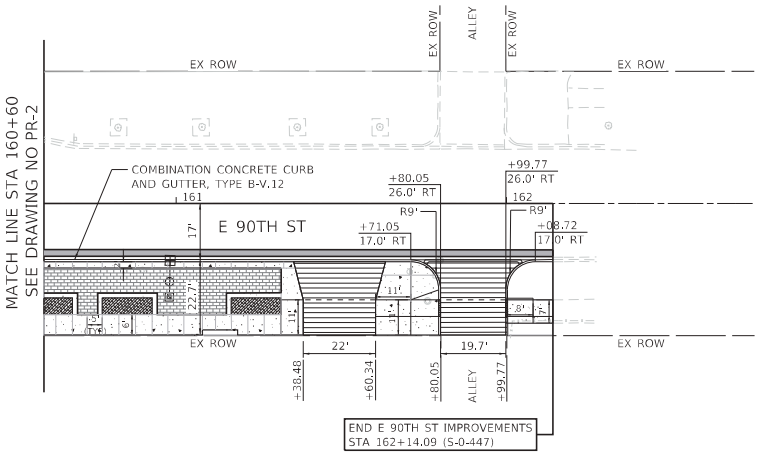
S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

PROPOSED PLANS
E 91ST ST

SCALE: 1" = 20' | SHEET PR-4 OF PR-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PR-4**
SHEET NO. 48 OF 207





LEGEND

- STA. / OFFSET LT/RT — TIE IN STATION TIE IN OFFSET
- XX' R — RADIUS (MEASURED AT FOC)
- PAVEMENT RESURFACING
- PAVEMENT RECONSTRUCTION
- DRIVEWAY / ALLEY PAVEMENT
- PCC BUS PAD
- PCC SIDEWALK 5"
- PCC ADA SIDEWALK
- 5' X 15' OPEN TREE PIT (SEE LANDSCAPING PLANS FOR DETAILS)
- PAVERS (SEE MATERIAL AND SITE FURNISHING PLANS FOR DETAILS)
- CURB RAMPS WITH TACTILE / DETECTIBLE WARNING TILES (ADA TRUNCATED DOME) (SEE ADA DETAIL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE / TRAFFIC SIGNALS (SEE ELECTRICAL SHEETS FOR DETAILS)

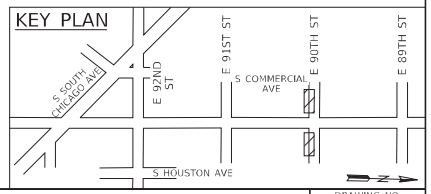
*** REFER TO PROPOSED TYPICAL SECTIONS FOR DETAILED PAY ITEM NAMES AND NUMBERS

NOTES:

1. REFER TO DRIVEWAY DETAILS FOR LAYOUT OF DRIVEWAYS AND ALLEYS.
2. SIDEWALK JOINTING SHOWN IS A SUGGESTED LAYOUT. CONTRACTOR SHALL ADJUST JOINTING AS NECESSARY FOR FIELD CONDITIONS/PROPOSED IMPROVEMENTS.
3. EXISTING FIRE HYDRANTS TO REMAIN AND BE PROTECTED AND ACCESSIBLE AT ALL TIMES.

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - J. MAJCHER				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

PROPOSED PLANS
E 90TH ST

SCALE: 1" = 20' | SHEET PR-5 OF PR-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PR-5**
SHEET NO. 49 OF 207

MODEL: Default
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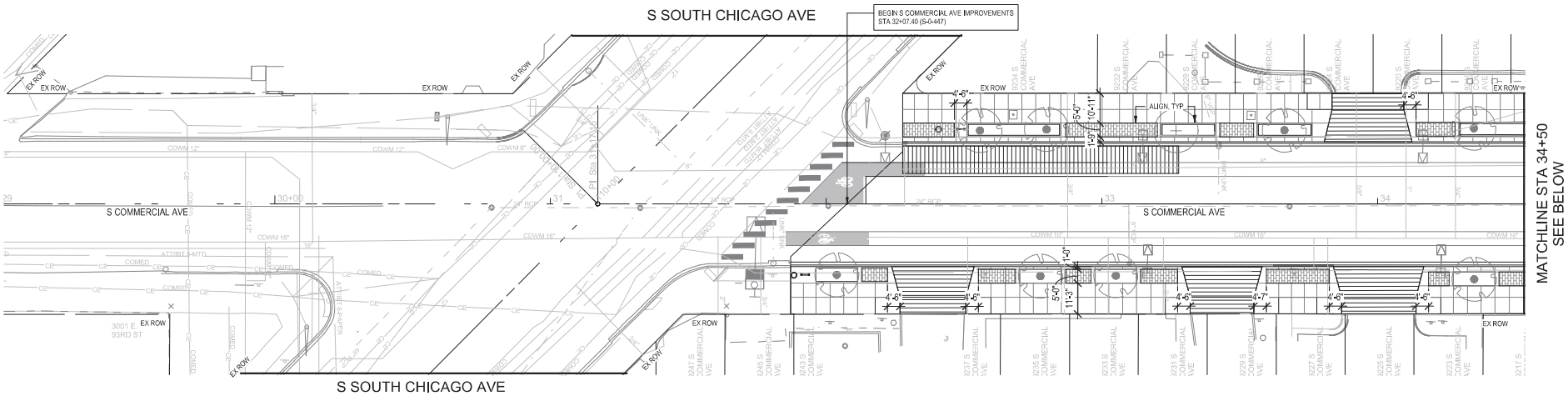
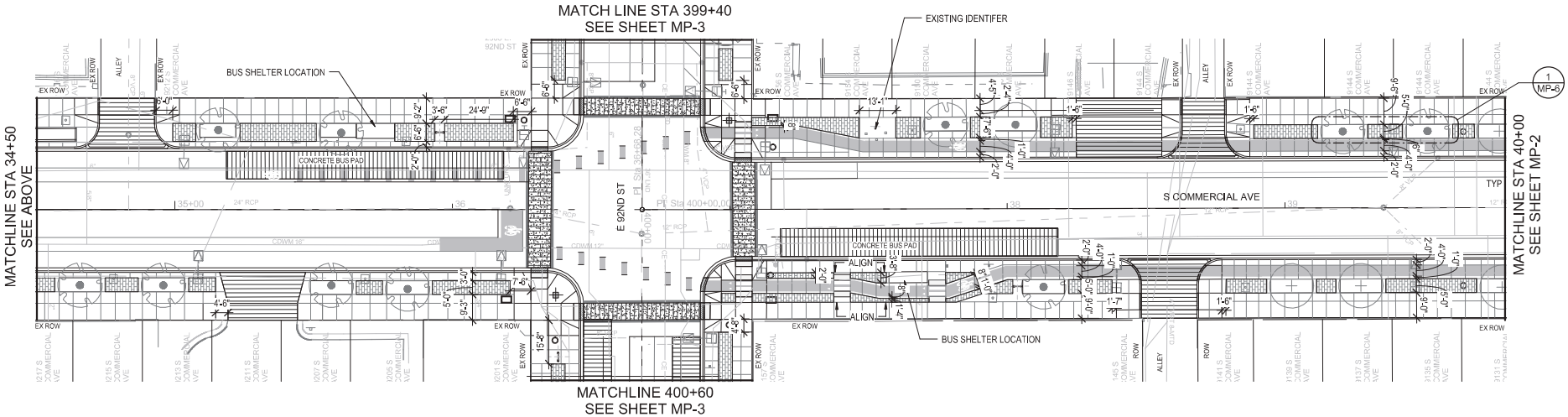
PLOT DATE = 8/12/2022



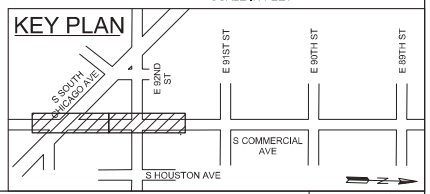


MATERIAL PLAN LEGEND

- PAVER ON SLAB
- DECORATIVE BRICK CROSSINGS, (SEE PROPOSED PLANS FOR LAYOUT)
- CONCRETE SIDEWALK, (SEE PROPOSED PLANS FOR JOINTING LAYOUT)
- CONCRETE DRIVEWAY OR BUS PAD, (SEE PROPOSED PLANS FOR LAYOUT)
- BIKE LANE, (SEE PAVEMENT MARKING PLANS AND PROPOSED PLANS FOR LAYOUT)
- DETECTABLE WARNING
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- TREE, (SEE LANDSCAPE PLANS)
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



DESIGNED -	N. SCHLOTTER			
DRAWN -	G. ACOSTA			
CHECKED -	K. STREYLE			
DATE -	08/12/2022	REVISED BY	DATE	DESCRIPTION

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CHICAGO, IL 60642
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F: 312.432.4184
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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

COMMERCIAL AVE IMPROVEMENTS

MATERIAL PLANS
S COMMERCIAL AVE

SCALE: 1" = 20'-0" | SHEET MP-1 OF MP-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. MP-1
SHEET NO. 50 OF 207

MODEL:
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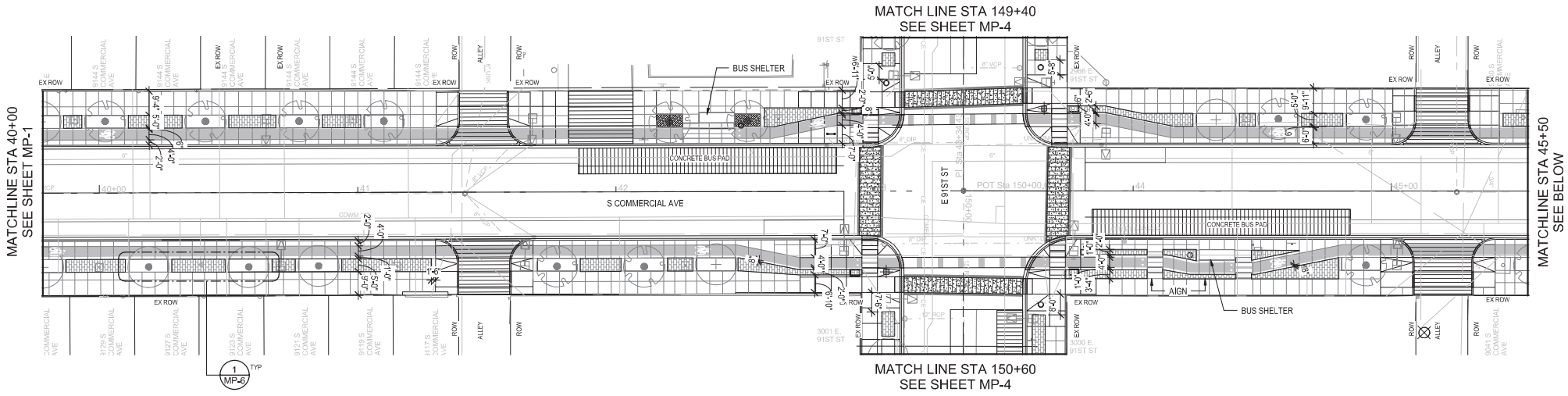
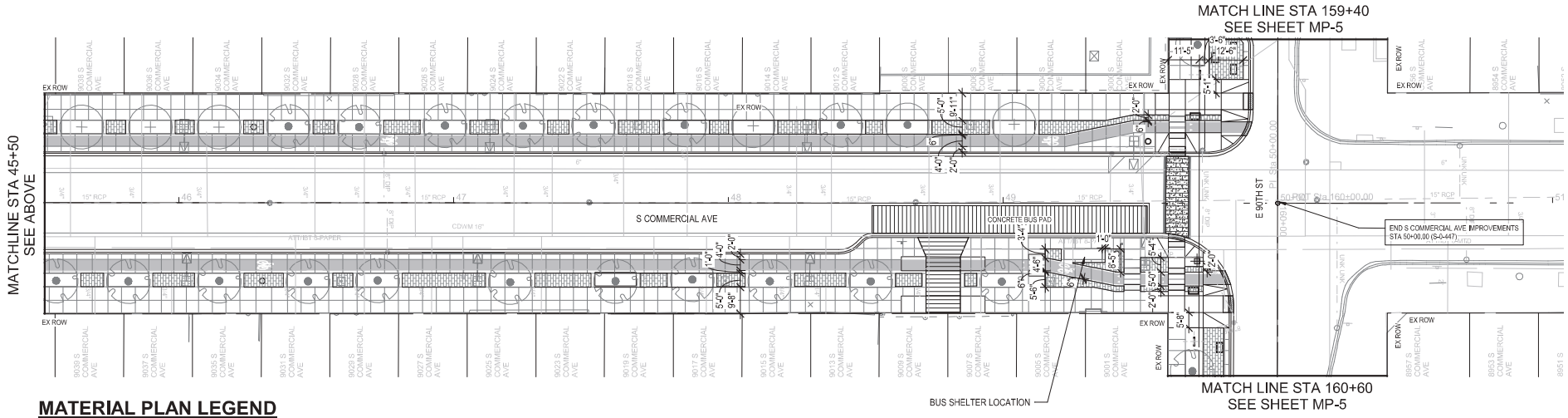
PLOT DATE = 8/12/2022 10:07:03 AM



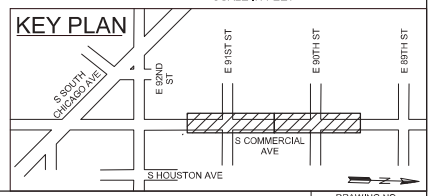


MATERIAL PLAN LEGEND

- PAVER ON SLAB
- DECORATIVE BRICK CROSSINGS, (SEE PROPOSED PLANS FOR LAYOUT)
- CONCRETE SIDEWALK, (SEE PROPOSED PLANS FOR JOINTING LAYOUT)
- CONCRETE DRIVEWAY OR BUS PAD, (SEE PROPOSED PLANS FOR LAYOUT)
- BIKE LANE, (SEE PAVEMENT MARKING PLANS AND PROPOSED PLANS FOR LAYOUT)
- DETECTABLE WARNING
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- TREE, (SEE LANDSCAPE PLANS)
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



MODEL:
FILE NAME: BIM 360://CDOT Commercial Ave Corridor Improvements/CDOT Commercial Ave Corridor Improvements-12021.rvt

DESIGNED -	N. SCHLOTTER			
DRAWN -	G. ACOSTA			
CHECKED -	K. STREYLE			
DATE -	08/12/2022	REVISED BY	DATE	DESCRIPTION

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F: 312.432.4184
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DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

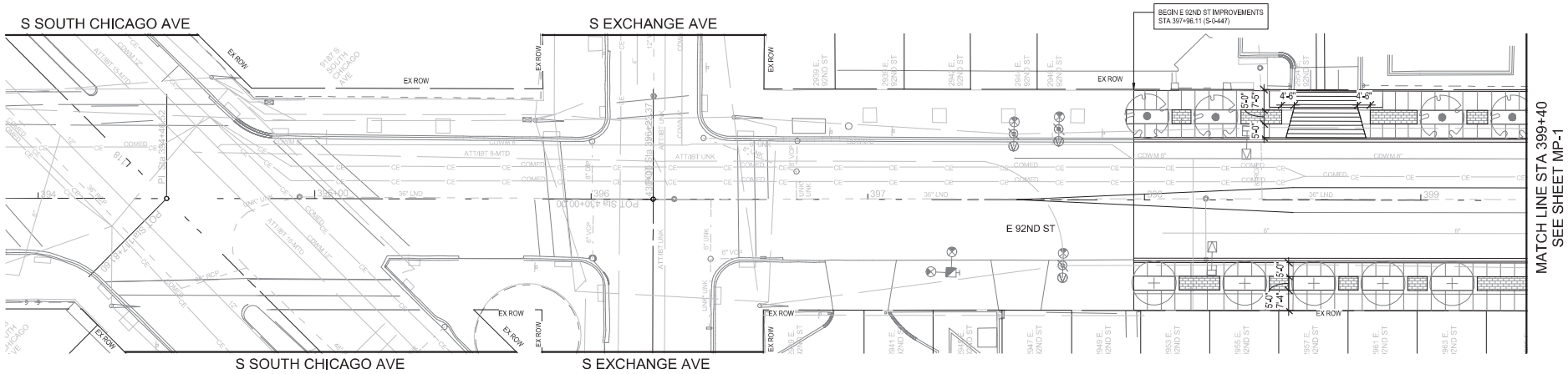
COMMERCIAL AVE IMPROVEMENTS

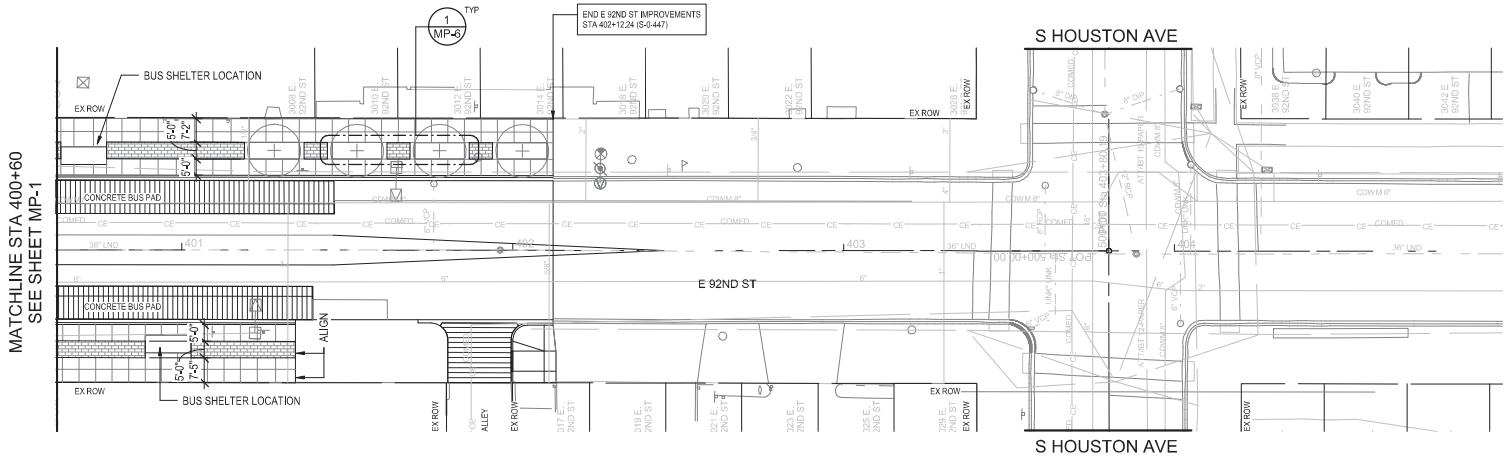
MATERIAL PLANS
S COMMERCIAL AVE

SCALE: 1" = 20'-0" | SHEET MP-2 OF MP-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. MP-2
SHEET NO. 51 OF 207

PLOT DATE = 8/12/2022 10:07:04 AM





MATERIAL PLAN LEGEND

- PAVER ON SLAB
- DECORATIVE BRICK CROSSINGS, (SEE PROPOSED PLANS FOR LAYOUT)
- CONCRETE SIDEWALK, (SEE PROPOSED PLANS FOR JOINTING LAYOUT)
- CONCRETE DRIVEWAY OR BUS PAD, (SEE PROPOSED PLANS FOR LAYOUT)
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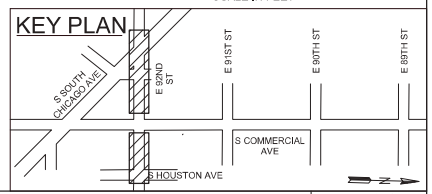
- DETECTABLE WARNING
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- TREE, (SEE LANDSCAPE PLANS)
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



DESIGNED -	N. SCHLOTTER			
DRAWN -	G. ACOSTA			
CHECKED -	K. STREYLE			
DATE -	08/11/2022	REVISED BY	DATE	DESCRIPTION

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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

COMMERCIAL AVE IMPROVEMENTS

MATERIAL PLANS
E 92ND ST

SCALE: 1" = 20'-0" | SHEET MP-3 OF MP-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. MP-3
SHEET NO. 52 OF 207

MODEL:
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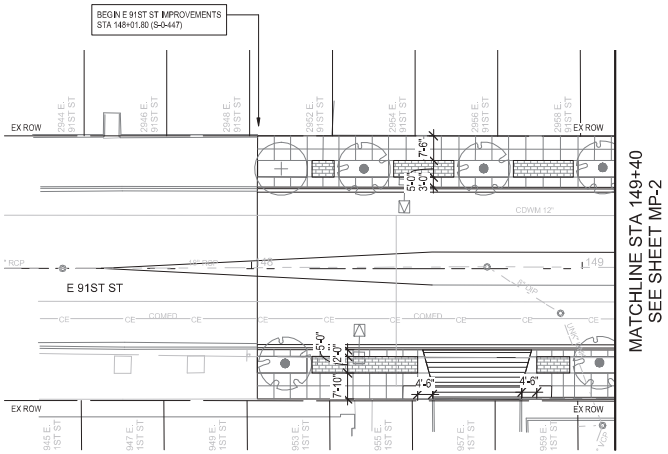
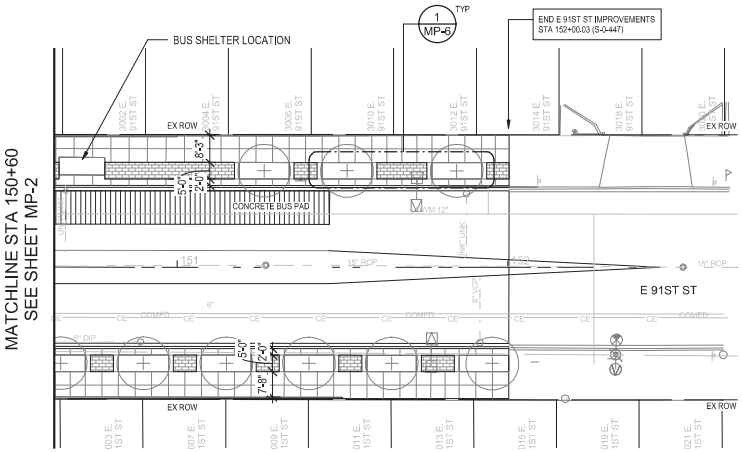
PLOT DATE = 8/12/2022 10:07:06 AM





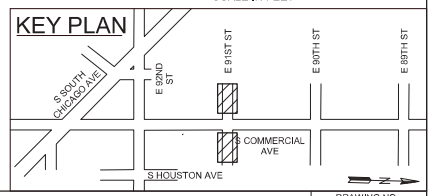
MATERIAL PLAN LEGEND

- PAVER ON SLAB
- DECORATIVE BRICK CROSSINGS, (SEE PROPOSED PLANS FOR LAYOUT)
- CONCRETE SIDEWALK, (SEE PROPOSED PLANS FOR JOINTING LAYOUT)
- CONCRETE DRIVEWAY OR BUS PAD, (SEE PROPOSED PLANS FOR LAYOUT)
- BIKE LANE, (SEE PAVEMENT MARKING PLANS AND PROPOSED PLANS FOR LAYOUT)
- DETECTABLE WARNING
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- TREE, (SEE LANDSCAPE PLANS)
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - N. SCHLOTTER				
DRAWN - G. ACOSTA				
CHECKED - K. STREYLE				
DATE - 08/12/2022	REVISED BY	DATE	DESCRIPTION	

700 N SANGAMON
CHICAGO, IL 60642
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F: 312.432.4184
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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

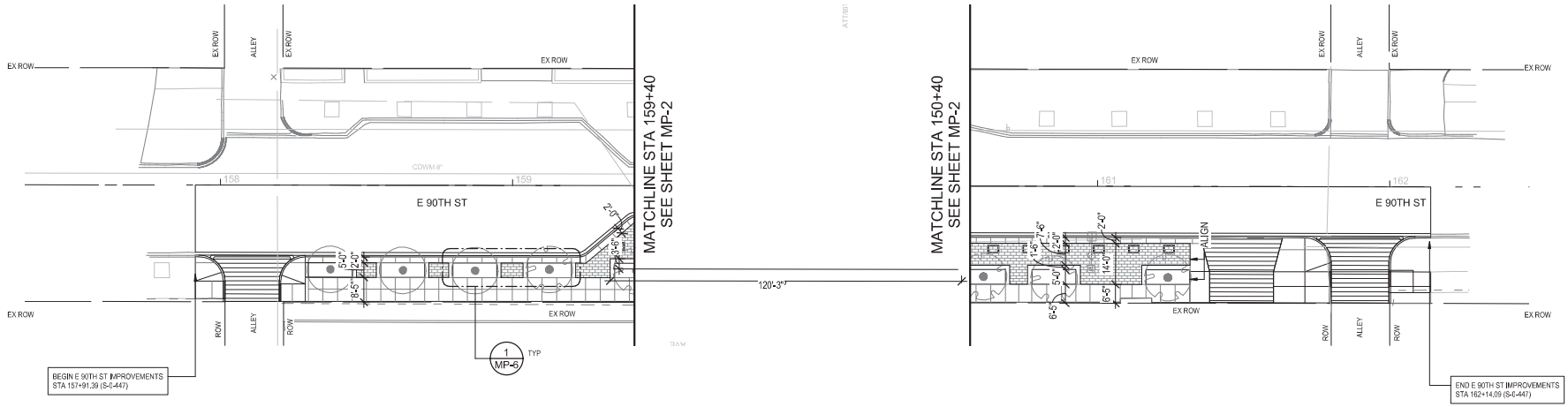
COMMERCIAL AVE
IMPROVEMENTS

MATERIAL PLANS
E 91ST ST

SCALE: 1" = 20'-0" | SHEET MP-4 OF MP-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. MP-4
SHEET NO. 53 OF 207

MODEL:
FILENAME: 8th 360 /CDOT Commercial Ave Corridor Improvements/CDOT Commercial Ave Corridor Improvements-29021.rvt
PLOT DATE = 8/12/2022 10:07:07 AM



MATERIAL PLAN LEGEND

- PAVER ON SLAB
- DECORATIVE BRICK CROSSINGS, (SEE PROPOSED PLANS FOR LAYOUT)
- CONCRETE SIDEWALK, (SEE PROPOSED PLANS FOR JOINTING LAYOUT)
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- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
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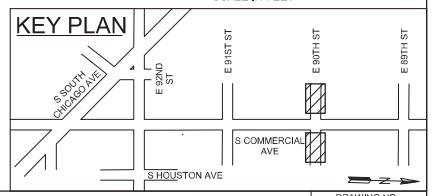
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



DESIGNED -	N. SCHLOTTER			
DRAWN -	G. ACOSTA			
CHECKED -	K. STREYLE			
DATE -	08/12/2022	REVISED BY	DATE	DESCRIPTION

MODEL:
FILE NAME: BIM 360:/CDOT Commercial Ave Corridor Improvements/CDOT Commercial Ave Corridor Improvements-V2021.rvt
PLOT DATE = 8/12/2022 10:07:07 AM

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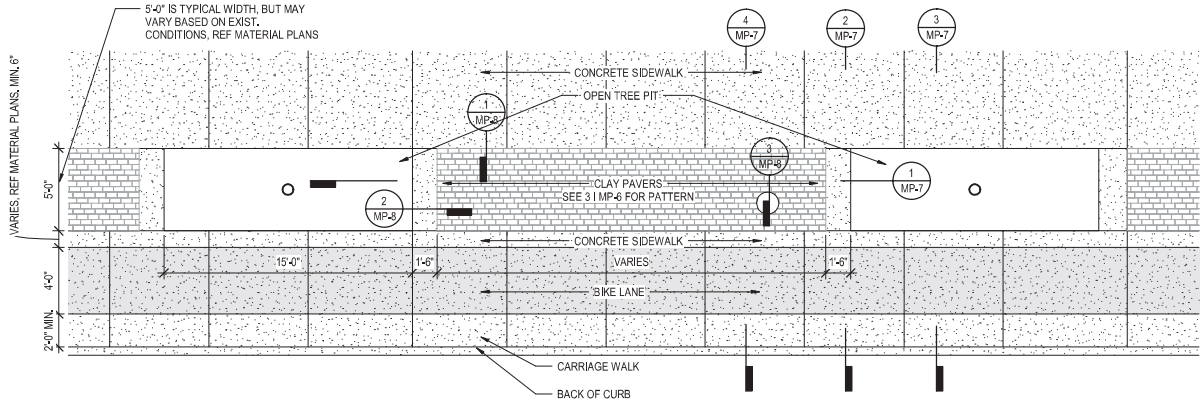
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

COMMERCIAL AVE IMPROVEMENTS

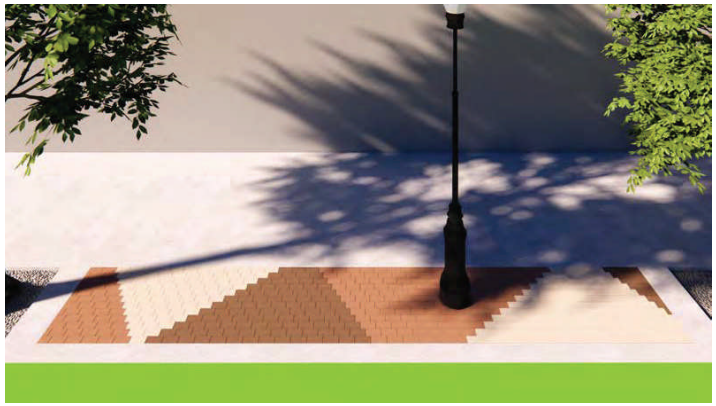
MATERIAL PLANS
E 90TH ST

SCALE: 1" = 20'-0" | SHEET MP-5 OF MP-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

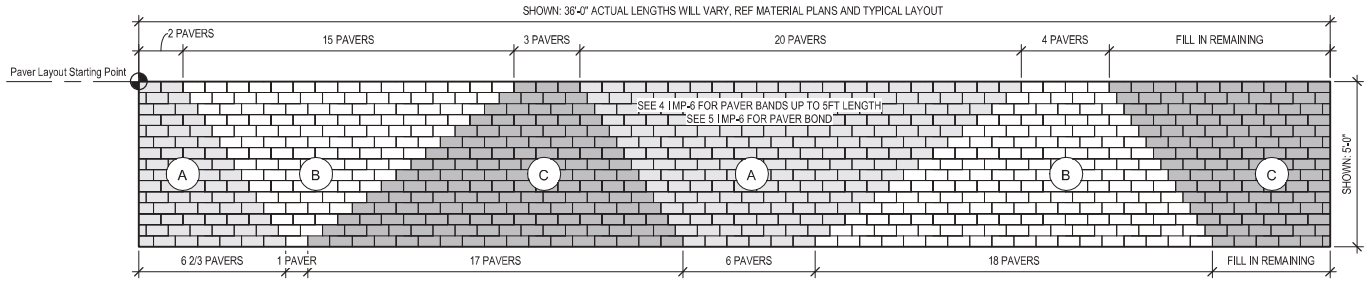
DRAWING NO. MP-5
SHEET NO. 54 OF 207



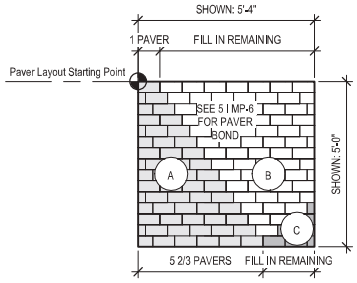
1 TYPICAL TREE PIT ADJACENT TO UNIT PAVERS
1/4" = 1'-0"



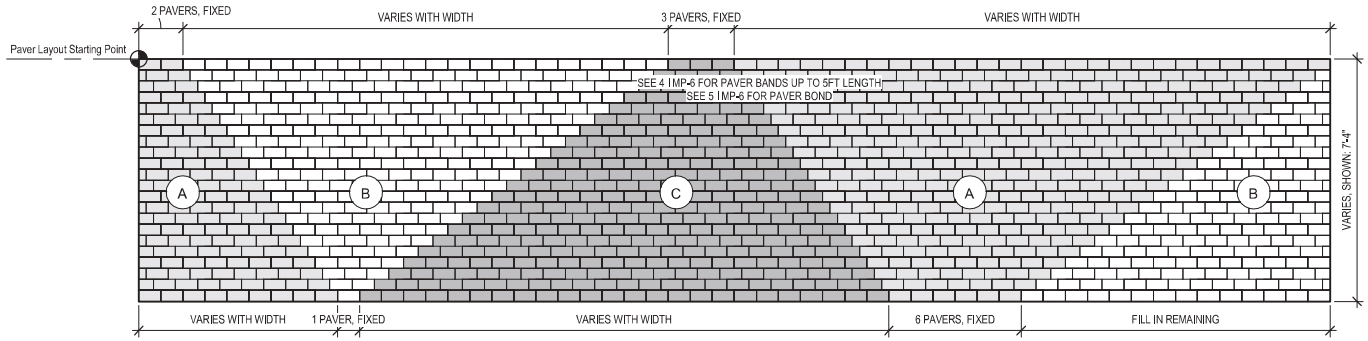
2 PAVER PATTERN RENDERING (ARTISTS RENDERING NOT FOR CONSTRUCTION)
1" = 10'-0"



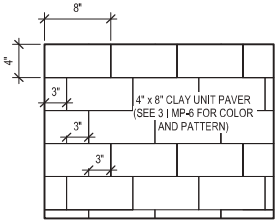
3 PAVER PATTERN DETAIL 5FT+ LENGTH
1/2" = 1'-0"



4 PAVER PATTERN DETAIL 5FT LENGTH
1/2" = 1'-0"



6 PAVER PATTERN DETAIL 5FT+
1/2" = 1'-0"



PAVER COLOR LEGEND

- (A) MEDIUM TONE: BASE OF DESIGN WHITACRE GREER CLAY PAVER 44 MAHOGANY
- (B) LIGHT TONE: BASE OF DESIGN WHITACRE GREER CLAY PAVER 56 DESERT GRAY
- (C) DARK TONE: BASE OF DESIGN WHITACRE GREER CLAY PAVER 46 RIVERWOOD

5 PAVER PATTERN 1/3 STAGGERED
1 1/2" = 1'-0"

MODEL:
FILE NAME: BIM 360://CDOT Commercial Ave Corridor Improvements/CDOT Commercial Ave Corridor Improvements-V2021.rvt

DESIGNED -	N. SCHLOTTER			
DRAWN -	N. SCHLOTTER			
CHECKED -	K. STREYLE			
DATE -	08/12/22	REVISED BY	DATE	DESCRIPTION

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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

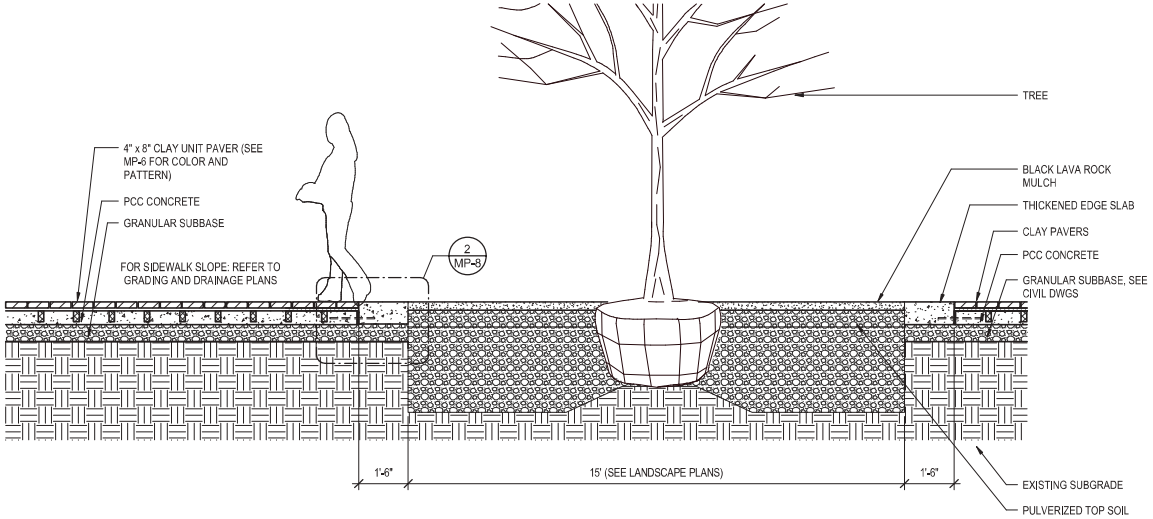
COMMERCIAL AVE IMPROVEMENTS

MATERIAL PLANS
MATERIAL PALETTE DETAILS

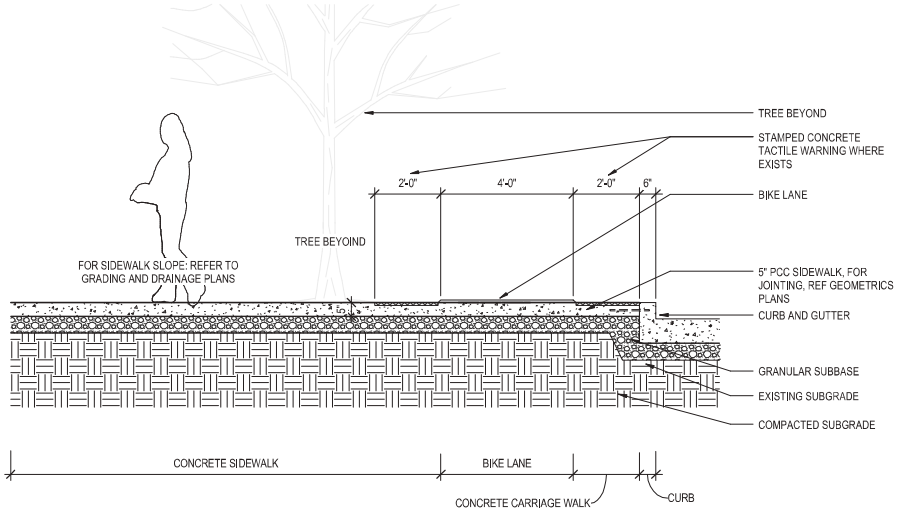
SCALE: As indicated | SHEET MP-6 OF MP-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. MP-6
SHEET NO. 55 OF 207

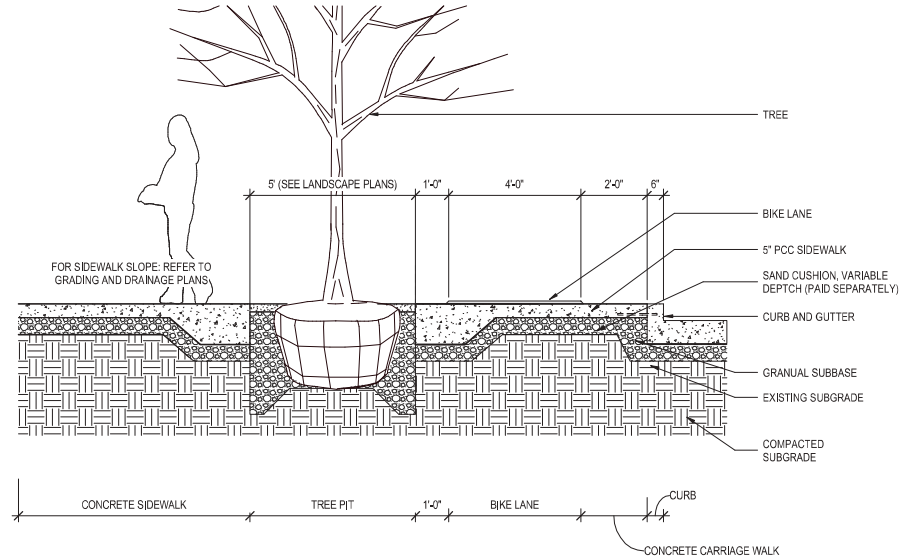
PLOT DATE = 8/12/2022 10:07:08 AM



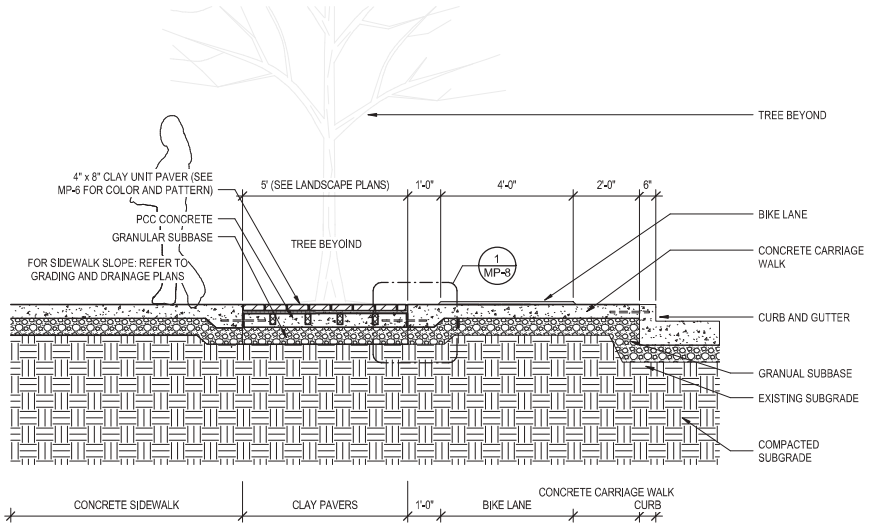
1 5X15 TREE PIT - SECTION
1/2" = 1'-0"



2 SIDWALK WITH CONCRETE BAND - CROSS SECTION
1/2" = 1'-0"



3 SIDEWALK WITH TREE PIT - CROSS SECTION
1/2" = 1'-0"



4 SIDEWALK WITH PAVER BAND - CROSS SECTION
1/2" = 1'-0"

MODEL:
FILENAME: 99_Projects_Bin 360_IDOT Commercial Ave Corridor Improvements\IDOT Commercial Ave Corridor Improvements-290247.rvt

DESIGNED -	N. SCHLOTTER			
DRAWN -	N. SCHLOTTER			
CHECKED -	K. STREYLE			
DATE -	08/11/2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022 10:07:08 AM

700 N SANGAMON
CHICAGO, IL 60642
T: 312.432.4180
F: 312.432.4184
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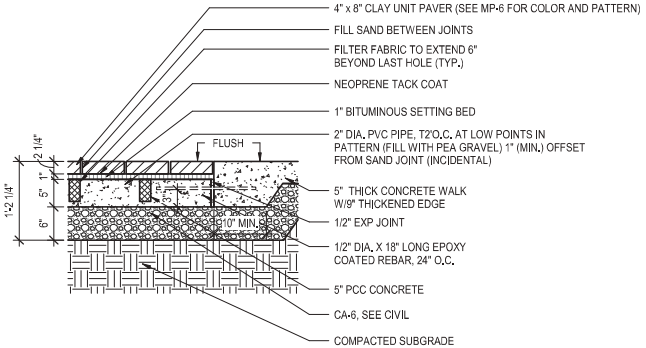
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

COMMERCIAL AVE
IMPROVEMENTS

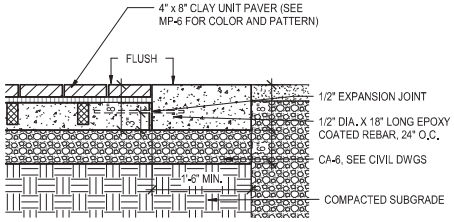
MATERIAL PLANS
MATERIAL PALETTE DETAILS

SCALE: 1/2" = 1'-0"	SHEET MP-7 OF MP-8 SHEETS	PROJECT NO. S-0-447	CONTRACT NO. 32250

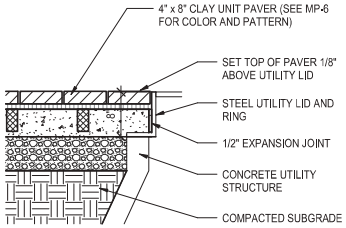
DRAWING NO. MP-7
SHEET NO. 56 OF 207



1 TYPICAL UNIT PAVER SECTION AT SIDEWALK
1" = 1'-0"



2 TYPICAL UNIT PAVER SECTION AT TREE PIT
1" = 1'-0"



3 TYPICAL UNIT PAVER SECTION AT STEEL LIDS
1" = 1'-0"

MODEL:
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DESIGNED -	N. SCHLOTTER			
DRAWN -	N. SCHLOTTER			
CHECKED -	K. STREYLE			
DATE -	08/12/22	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022 10:07:08 AM

700 N SANGAMON
CHICAGO, IL 60642
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F: 312.432.4184
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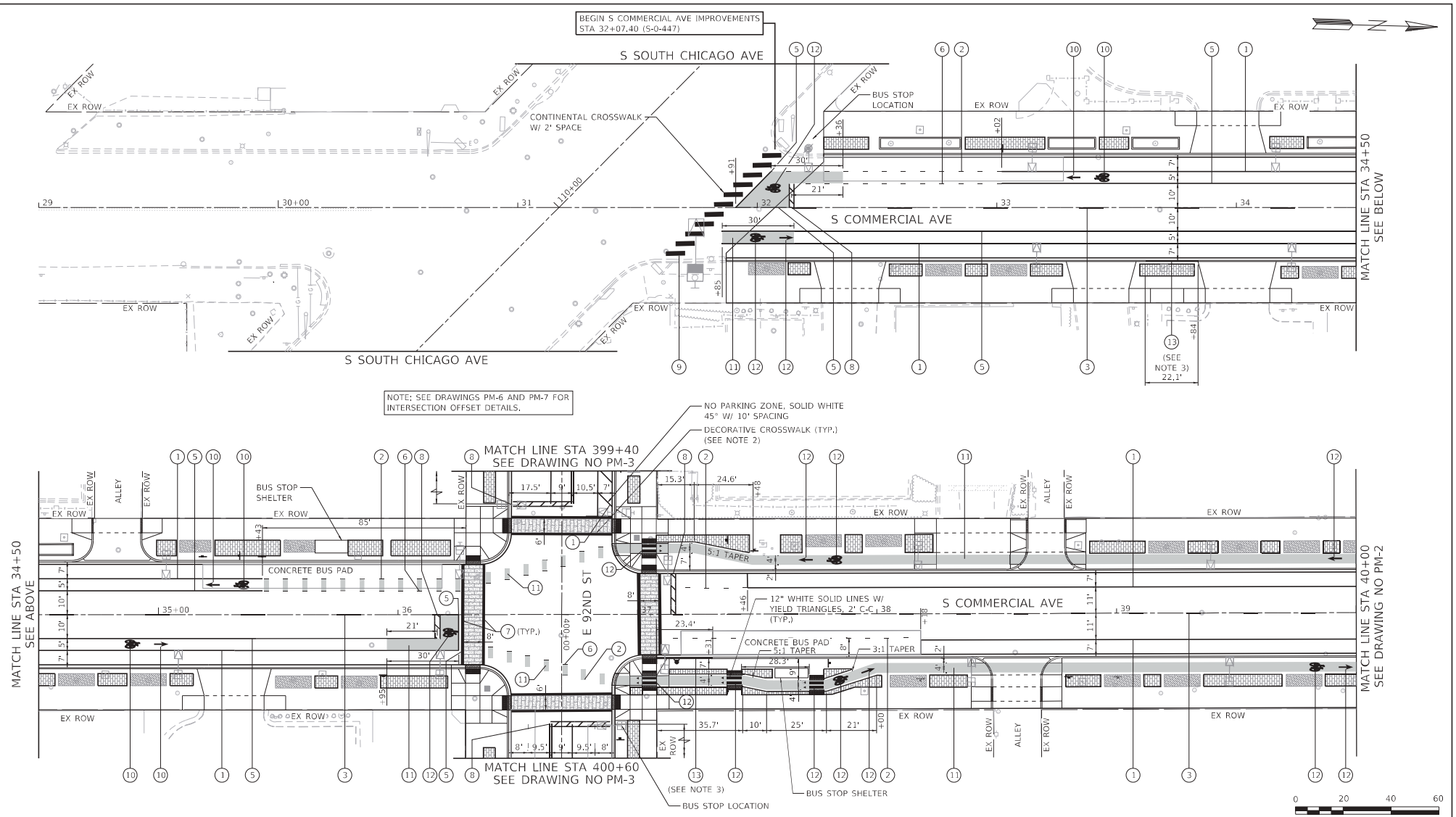
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

COMMERCIAL AVE
IMPROVEMENTS

MATERIAL PLANS
MATERIAL PALETTE DETAILS

SCALE: 1" = 1'-0" | SHEET MP-8 OF MP-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. MP-8
SHEET NO. 57 OF 207



PAVEMENT MARKING LEGEND

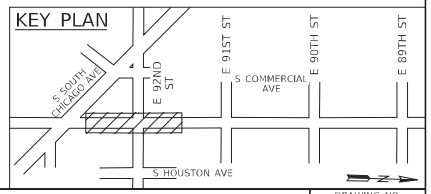
1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, SOLID)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 2' LINE W/ 6' SPACE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW, 6' LINE W/18' SPACE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID @ 8" CENTERS)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, SOLID)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' LINE W/ 6' SPACE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE, SOLID)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID STOP BAR)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID W/ 2' SPACE)
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
11. METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN
12. METHYL METHACRYLATE PAVEMENT COLORIZATION, WHITE (SYMBOLS)
13. PAINT CURB (YELLOW)

NOTES:

1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. 12" WHITE LINES SHOWN AT CROSSWALKS SURROUND AREAS WHERE DECORATIVE BRICK CROSSINGS OCCUR.
3. THE TOP AND FACE OF THE CURB WILL BE REQUIRED TO BE PAINTED "SAFETY YELLOW" FOR 15 FEET EACH SIDE OF FIRE HYDRANT, EXCEPT WHERE A CROSSWALK, DRIVEWAY, OR SIMILAR FEATURE ENCROACHES THE 15 FOOT MEASUREMENT.
4. MATERIAL, LANDSCAPING, SIGNING AND LIGHTING ITEMS ARE SHOWN FOR REFERENCE ONLY. SEE RESPECTIVE PLANS FOR FURTHER INFORMATION.

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

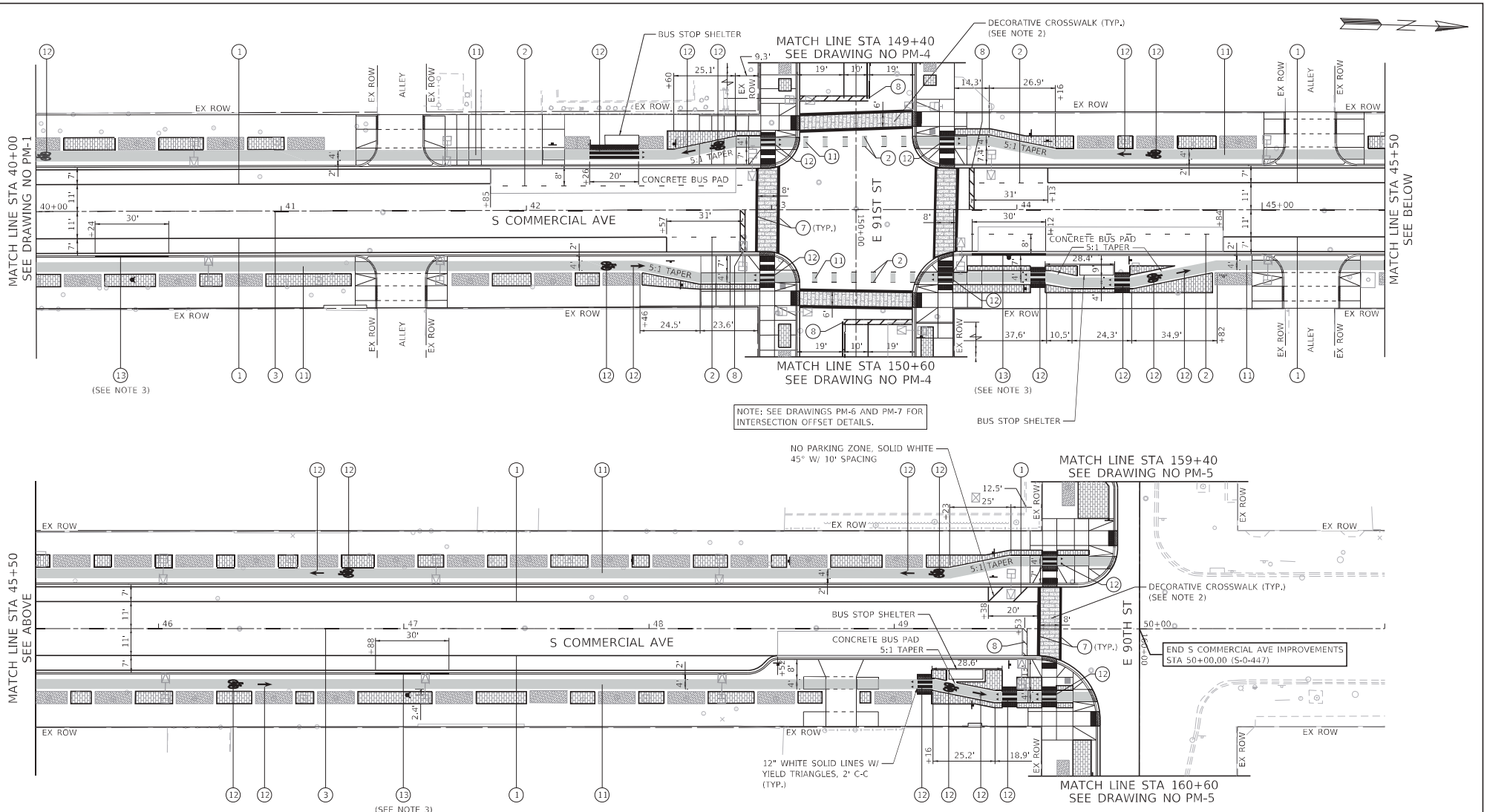
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

PAVEMENT MARKING PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET PM-1 OF PM-7 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PM-1**
SHEET NO. 58 OF 207

MODEL: Default
PLOT DATE = 8/12/2022



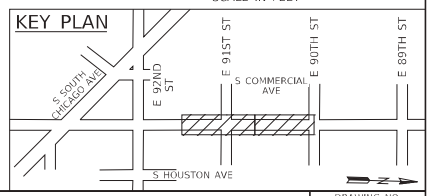
PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, SOLID)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 2' LINE W/ 6' SPACE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW, 6' LINE W/18' SPACE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID @ 8" CENTERS)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, SOLID)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' LINE W/ 6' SPACE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE, SOLID)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID STOP BAR)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID W/ 2' SPACE)
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
11. METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN
12. METHYL METHACRYLATE PAVEMENT COLORIZATION, WHITE (SYMBOLS)
13. PAINT CURB (YELLOW)

NOTES:

1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. 12" WHITE LINES SHOWN AT CROSSWALKS SURROUND AREAS WHERE DECORATIVE BRICK CROSSINGS OCCUR.
3. THE TOP AND FACE OF THE CURB WILL BE REQUIRED TO BE PAINTED "SAFETY YELLOW" FOR 15 FEET EACH SIDE OF FIRE HYDRANT, EXCEPT WHERE A CROSSWALK, DRIVEWAY, OR SIMILAR FEATURE ENCROACHES THE 15 FOOT MEASUREMENT.
4. MATERIAL, LANDSCAPING, SIGNING AND LIGHTING ITEMS ARE SHOWN FOR REFERENCE ONLY. SEE RESPECTIVE PLANS FOR FURTHER INFORMATION.

0 20 40 60
SCALE IN FEET



DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

PAVEMENT MARKING PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET PM-2 OF PM-7 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PM–2**
SHEET NO. 59 OF 207

MODEL: Default
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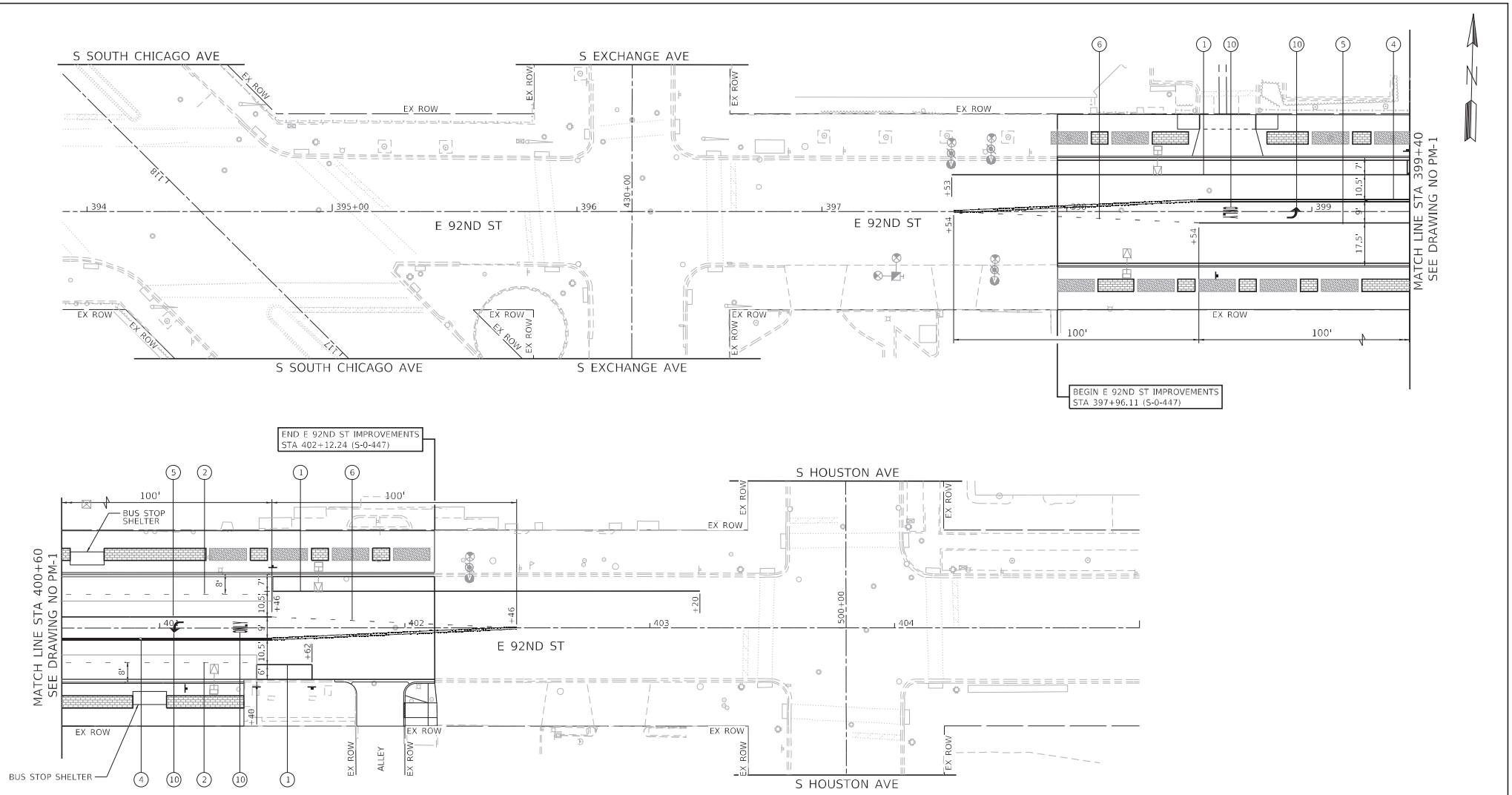
PLOT DATE = 8/12/2022



PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, SOLID)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 2' LINE W/ 6' SPACE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW, 6' LINE W/18' SPACE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID @ 8" CENTERS)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, SOLID)
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7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE, SOLID)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID STOP BAR)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID W/ 2' SPACE)
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
11. METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN
12. METHYL METHACRYLATE PAVEMENT COLORIZATION, WHITE (SYMBOLS)
13. PAINT CURB (YELLOW)

NOTES:

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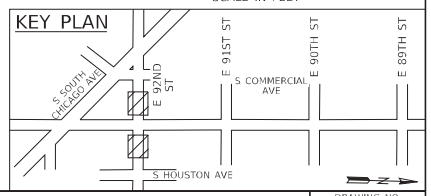
4. MATERIAL, LANDSCAPING, SIGNING AND LIGHTING ITEMS ARE SHOWN FOR REFERENCE ONLY. SEE RESPECTIVE PLANS FOR FURTHER INFORMATION.

0 20 40 60
SCALE IN FEET



DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

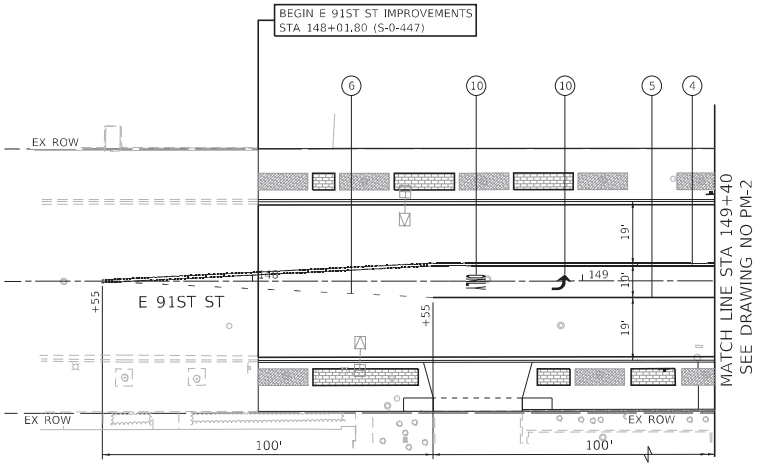
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

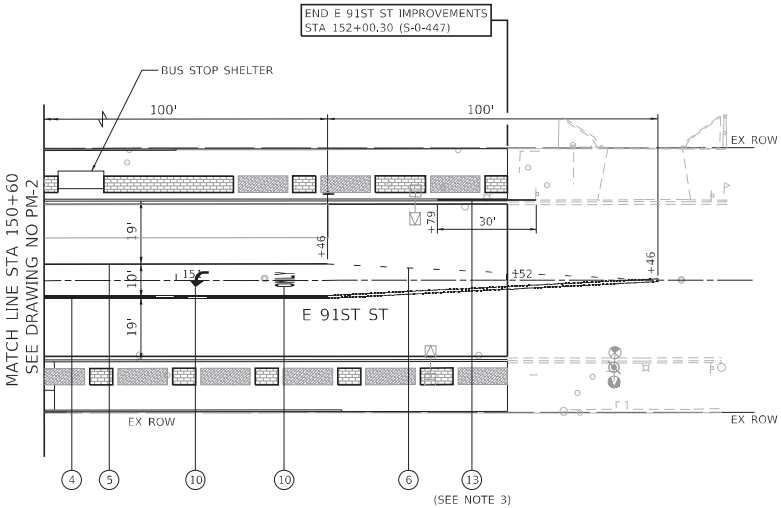
PAVEMENT MARKING PLANS
E 92ND ST

SCALE: 1" = 20' | SHEET PM-3 OF PM-7 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PM-3**
SHEET NO. 60 OF 207

MODEL: Default
PLOT DATE = 8/12/2022





PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, SOLID)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 2' LINE W/ 6' SPACE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW, 6' LINE W/18' SPACE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID @ 8" CENTERS)
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6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' LINE W/ 6' SPACE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE, SOLID)
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10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
11. METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN
12. METHYL METHACRYLATE PAVEMENT COLORIZATION, WHITE (SYMBOLS)
13. PAINT CURB (YELLOW)

NOTES:

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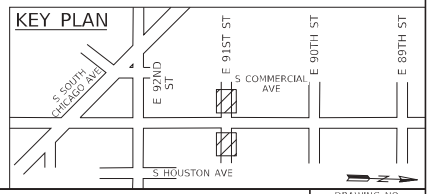
4. MATERIAL, LANDSCAPING, SIGNING AND LIGHTING ITEMS ARE SHOWN FOR REFERENCE ONLY. SEE RESPECTIVE PLANS FOR FURTHER INFORMATION.

0 20 40 60
SCALE IN FEET



DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

Ardmore Roderick

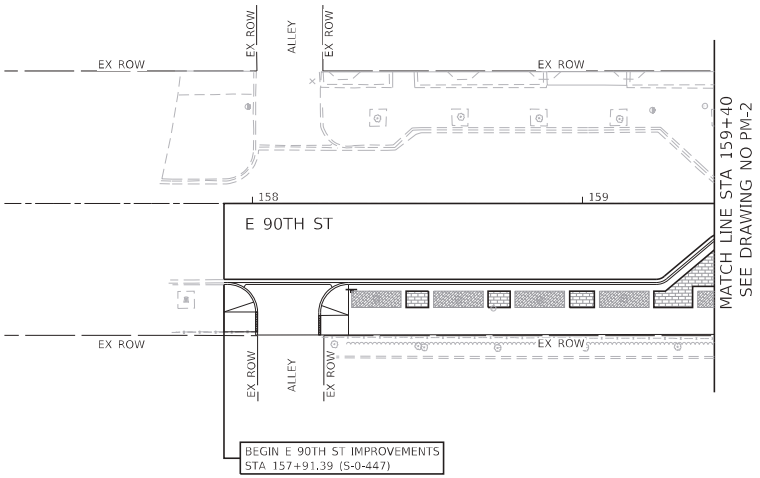
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

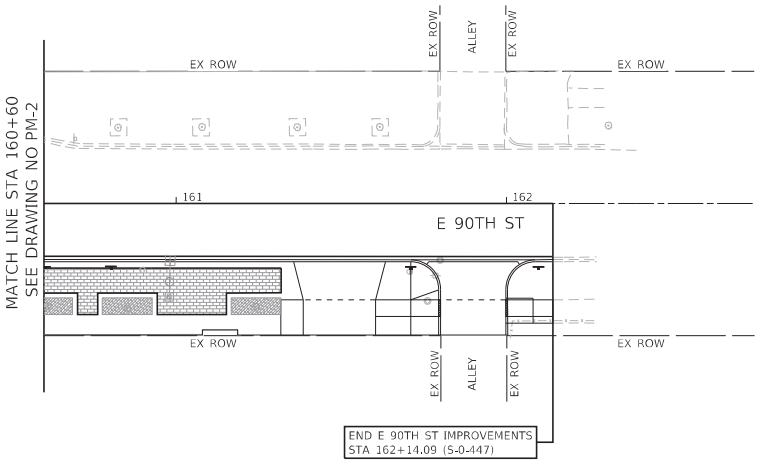
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

PAVEMENT MARKING PLANS
E 91ST ST

SCALE: 1" = 20' | SHEET PM-4 OF PM-7 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PM-4**
SHEET NO. 61 OF 207







PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, SOLID)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 2' LINE W/ 6' SPACE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW, 6' LINE W/18' SPACE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID @ 8" CENTERS)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, SOLID)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' LINE W/ 6' SPACE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE, SOLID)
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10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
11. METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN
12. METHYL METHACRYLATE PAVEMENT COLORIZATION, WHITE (SYMBOLS)
13. PAINT CURB (YELLOW)

NOTES:

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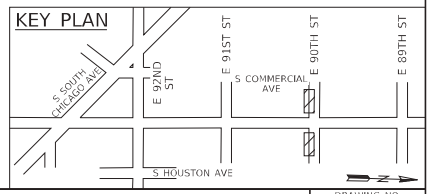
4. MATERIAL, LANDSCAPING, SIGNING AND LIGHTING ITEMS ARE SHOWN FOR REFERENCE ONLY. SEE RESPECTIVE PLANS FOR FURTHER INFORMATION.

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - B. MCPHERSON				
DRAWN - B. MCPHERSON				
CHECKED - C. DEAN				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

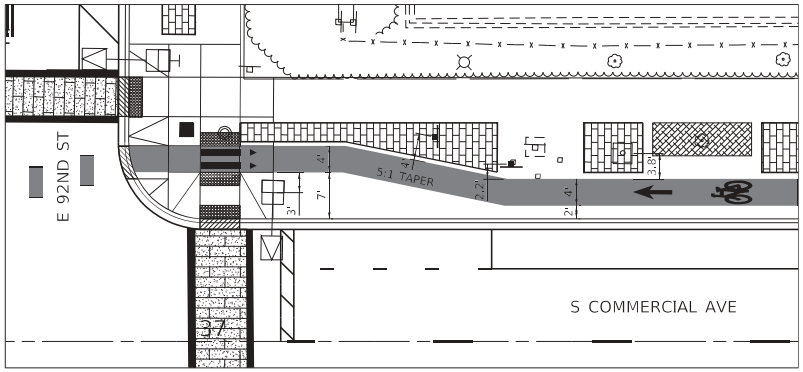
S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

PAVEMENT MARKING PLANS
E 90TH ST

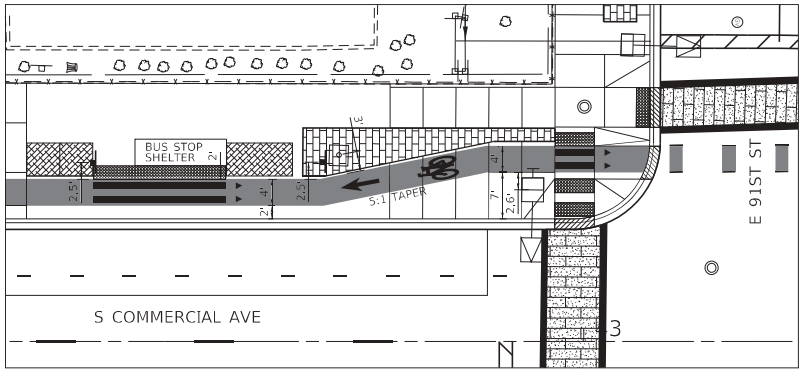
SCALE: 1" = 20' | SHEET PM-5 OF PM-7 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PM–5**
SHEET NO. 62 OF 207

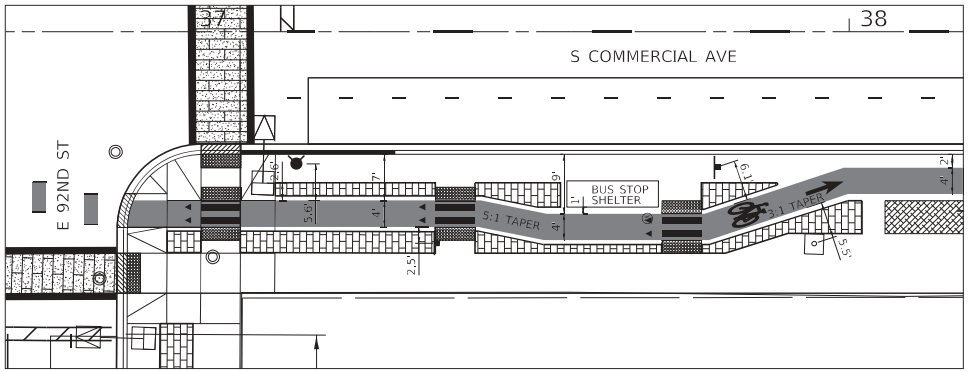
MODEL: Default
PLOT DATE = 8/12/2022



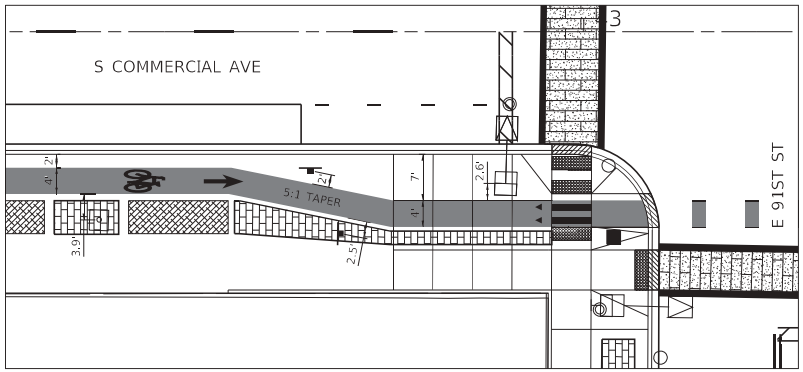
S COMMERCIAL AVE @ E 92ND ST (NW QUADRANT)



S COMMERCIAL AVE @ E 91ST ST (SW QUADRANT)



S COMMERCIAL AVE @ E 92ND ST (NE QUADRANT)



S COMMERCIAL AVE @ E 91ST ST (SE QUADRANT)

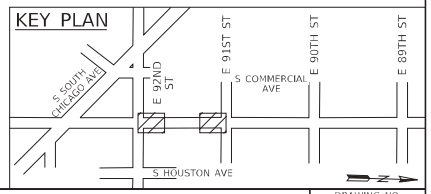
PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, SOLID)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 2' LINE W/ 6' SPACE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW, 6' LINE W/18' SPACE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID @ 8" CENTERS)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, SOLID)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' LINE W/ 6' SPACE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE, SOLID)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID STOP BAR)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID W/ 2' SPACE)
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
11. METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN
12. METHYL METHACRYLATE PAVEMENT COLORIZATION, WHITE (SYMBOLS)
13. PAINT CURB (YELLOW)

NOTES:

1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. 12" WHITE LINES SHOWN AT CROSSWALKS SURROUND AREAS WHERE DECORATIVE BRICK CROSSINGS OCCUR.
3. THE TOP AND FACE OF THE CURB WILL BE REQUIRED TO BE PAINTED "SAFETY YELLOW" FOR 15 FEET EACH SIDE OF FIRE HYDRANT, EXCEPT WHERE A CROSSWALK, DRIVEWAY, OR SIMILAR FEATURE ENCROACHES THE 15 FOOT MEASUREMENT.
4. MATERIAL, LANDSCAPING, SIGNING AND LIGHTING ITEMS ARE SHOWN FOR REFERENCE ONLY. SEE RESPECTIVE PLANS FOR FURTHER INFORMATION.

0 10 20 30
SCALE IN FEET



DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

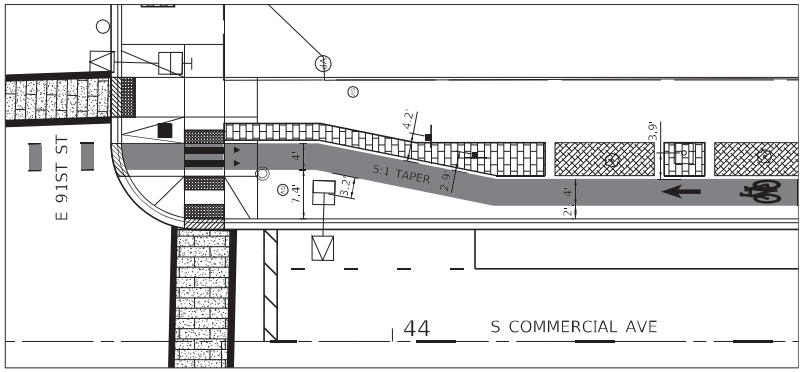
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

PAVEMENT MARKING PLANS DETAILS

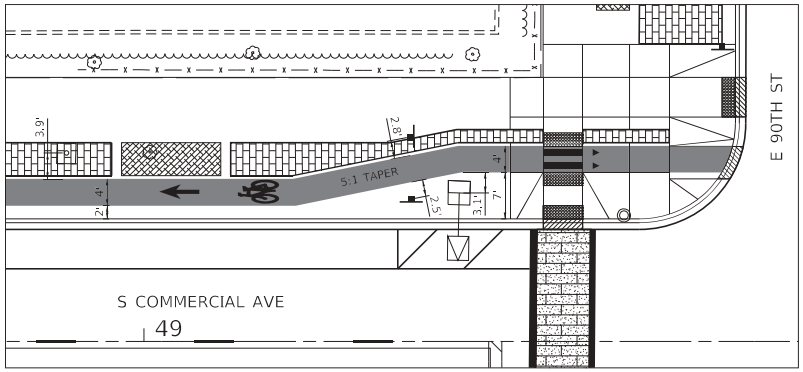
SCALE: 1" = 10' | SHEET PM-6 OF PM-7 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PM–6**
SHEET NO. 63 OF 207

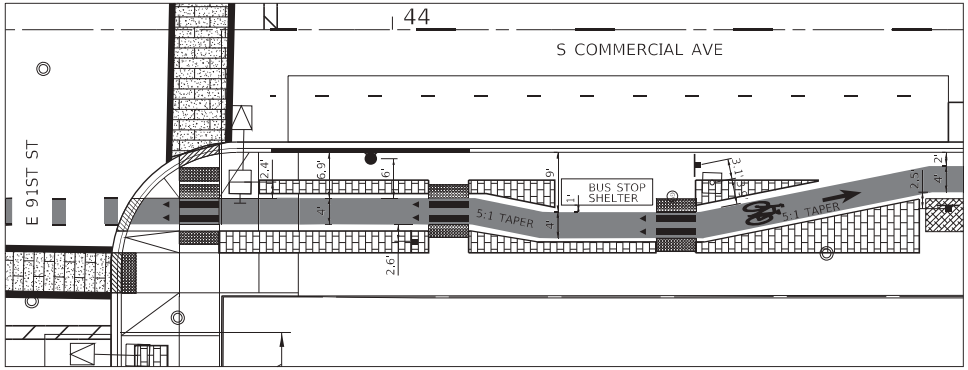
MODEL: Default
FILE NAME: c:\projects\cpo-bentley...com\dgn\cad\sheets\Documents\10080\10012\00\dgn\Documents\10080\10012\00\dgn\Pavement Marking & Signing\Plans\Section 1\PM0-10012-S1-Signing-Detail01.dgn
PLOT DATE = 8/12/2022



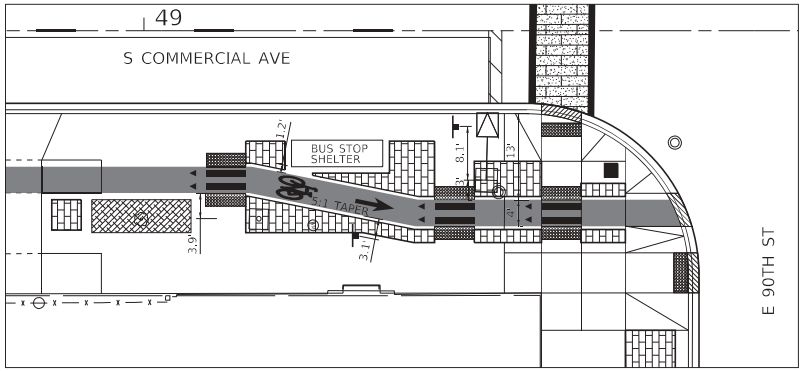
S COMMERCIAL AVE @ E 91ST ST (NW QUADRANT)



S COMMERCIAL AVE @ E 90TH ST (SW QUADRANT)



S COMMERCIAL AVE @ E 91ST ST (NE QUADRANT)



S COMMERCIAL AVE @ E 90TH ST (SE QUADRANT)

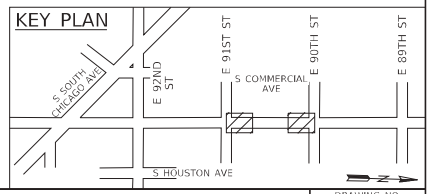
PAVEMENT MARKING LEGEND

1. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, SOLID)
2. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE, 2' LINE W/ 6' SPACE)
3. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (YELLOW, 6' LINE W/18' SPACE)
4. THERMOPLASTIC PAVEMENT MARKING - LINE 4" (DOUBLE YELLOW SOLID @ 8" CENTERS)
5. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, SOLID)
6. THERMOPLASTIC PAVEMENT MARKING - LINE 6" (WHITE, 2' LINE W/ 6' SPACE)
7. THERMOPLASTIC PAVEMENT MARKING - LINE 12" (WHITE, SOLID)
8. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID STOP BAR)
9. THERMOPLASTIC PAVEMENT MARKING - LINE 24" (WHITE, SOLID W/ 2' SPACE)
10. THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS
11. METHYL METHACRYLATE PAVEMENT COLORIZATION, GREEN
12. METHYL METHACRYLATE PAVEMENT COLORIZATION, WHITE (SYMBOLS)
13. PAINT CURB (YELLOW)

NOTES:

1. ALL PAVEMENT MARKINGS ARE THERMOPLASTIC UNLESS OTHERWISE NOTED.
2. 12" WHITE LINES SHOWN AT CROSSWALKS SURROUND AREAS WHERE DECORATIVE BRICK CROSSINGS OCCUR.
3. THE TOP AND FACE OF THE CURB WILL BE REQUIRED TO BE PAINTED "SAFETY YELLOW" FOR 15 FEET EACH SIDE OF FIRE HYDRANT, EXCEPT WHERE A CROSSWALK, DRIVEWAY, OR SIMILAR FEATURE ENCROACHES THE 15 FOOT MEASUREMENT.
4. MATERIAL, LANDSCAPING, SIGNING AND LIGHTING ITEMS ARE SHOWN FOR REFERENCE ONLY. SEE RESPECTIVE PLANS FOR FURTHER INFORMATION.

0 10 20 30
SCALE IN FEET



DESIGNED - B. MCPHERSON				
DRAWN - B. MCPHERSON				
CHECKED - C. DEAN				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

PAVEMENT MARKING PLANS DETAILS

SCALE: 1" = 10' | SHEET PM-7 OF PM-7 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **PM-7**
SHEET NO. 64 OF 207

MODEL: Default
PLOT DATE = 8/12/2022

SIGNING SCHEDULE

SIGN NUMBER	EXISTING SIGN STATION	EXISTING MOUNTING TYPE	EXISTING CDOT/MUTCD SIGN CODE	REMOVE SIGN PANEL AND SALVAGE (EACH)	REMOVE SIGN ASSEMBLY AND SALVAGE (EACH)	PROPOSED SIGN STATION	PROPOSED SIGN OFFSET	PROPOSED POLE TYPE	PROPOSED CDOT/MUTCD SIGN CODE	SIGN PANEL TYPE 1 RETROREFLECTIVE - TYPE A -SINGLE SIDED (SF)	SIGN PANEL TYPE 1 NON - RETROREFLECTIVE - TYPE A -DOUBLE SIDED (SF)	STREET NAME SIGNS (SF)	FURNISH AND INSTALL POLE AND BASE (EACH)	SIGN/FEATURE DESCRIPTION	NOTES
1	29+93.98	SIGN POLE	-	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	SIGN TO REMAIN
2	30+03.47	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	SIGN TO REMAIN
3	30+03.47	SIGN POLE	R7-1-1	-	-	-	-	-	-	-	-	-	-	NO PARKING/ TOW ZONE/RIGHT	SIGN TO REMAIN
4	30+11.57	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	S COMMERCIAL AVE / 3000 E	SIGN TO REMAIN
5A	30+11.57	TS POLE	W11-8	-	-	-	-	-	-	-	-	-	-	FIRE TRUCK	SIGN TO REMAIN
5B	30+11.57	TS POLE	R10-11C	-	-	-	-	-	-	-	-	-	-	NO / TURN / ON RED / 7AM - 7PM	SIGN TO REMAIN
6	30+62.71	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	S SOUTH CHICAGO AV / 9300 S	SIGN TO REMAIN
7	30+62.71	TS POLE	R10-11C	1	-	30+62.71	32 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
8	30+98.07	TS POLE	R10-11C	-	-	-	-	-	-	-	-	-	-	NO / TURN / ON RED / 7AM - 7PM	SIGN TO REMAIN
9	31+25.33	TS POLE	R10-11C	-	-	-	-	-	-	-	-	-	-	NO / TURN / ON RED / 7AM - 7PM	SIGN TO REMAIN
10	31+74.06	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	S SOUTH CHICAGO AV / 9300 S	SIGN TO REMAIN
11	31+74.06	TS POLE	R10-11C	-	-	-	-	-	-	-	-	-	-	NO / TURN / ON RED / 7AM - 7PM	SIGN TO REMAIN
12	31+80.51	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	SIGN TO REMAIN
13	32+14.90	TS POLE	R10-11C	-	-	32+21.2	25 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
13A	32+14.90	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	S COMMERCIAL AVE / 3000 E	SIGN TO REMAIN
14	32+21.07	TS MAST ARM	-	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	SIGN TO REMAIN
15	33+19.75	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
15A	33+19.75	SIGN POLE	R7-207-3	-	1	33+1.95	25 LT	SIGN POLE	R7-207-1	-	2.25	-	1	NO PARKING / BUS STOP / TOW ZONE / LEFT	
16	33+21.66	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
16A	33+21.66	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
17	34+28.47	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
17A	34+28.47	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
18	35+06.46	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
18A	35+06.46	LIGHT POLE	R7-207-3	1	-	-	-	-	-	-	-	-	-	NO PARKING / BUS STOP / TOW ZONE / LEFT	
18B	-	-	-	-	-	35+93.85	26 RT	SIGN POLE	R7-1-3	-	2.25	-	1	NO PARKING / TOW ZONE / LEFT	
19	35+27.72	LIGHT POLE	R2-1-2	1	-	35+04.55	25 LT	LIGHT POLE	R2-1-2	5	-	-	-	SPEED / LIMIT / 30	
107	-	-	-	-	-	35+18.44	25 LT	SIGN POLE	R7-207-1	-	2.25	-	1	NOPARKING / BUS STOP / TOW ZONE / RIGHT	
147	-	-	-	-	-	35+33.44	25 LT	SIGN POLE	-	-	-	-	-	CTA BUS STOP	INSTALL BY OTHERS
108	-	-	-	-	-	35+43.08	25 LT	SIGN POLE	R3-17	5	-	-	1	BIKE LANE	
20	35+54.40	SIGN POLE	R7-207-3	-	1	-	-	-	-	-	-	-	-	NO PARKING / BUS STOP / TOW ZONE / LEFT	
21	36+07.40	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
22	36+21.16	SIGN POLE	-	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	REMOVE BY OTHERS
109	36+21.77	TS MAST ARM	D3-2	1	-	36+25.95	27 LT	TS MAST ARM	D3-2	-	-	6	-	E 92ND ST / 9200 S (*B)	
110	36+21.77	TS POLE	R10-11C	1	-	36+25.95	27 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
23	36+29.13	TS POLE	R10-11C	1	-	36+18.48	25 RT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
24	36+41.92	TS MAST ARM	D3-2	1	-	36+41.21	42 RT	TS MAST ARM	D3-2	-	-	9	-	S COMMERCIAL AVE / 3000 E (*A)	
24A	36+41.92	TS POLE	R10-11C	1	-	36+41.21	42 RT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
25	36+43.79	TS POLE	R10-11C	1	-	36+43.25	46 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
26	36+94.32	TS MAST ARM	D3-2	1	-	36+95.34	42 LT	TS MAST ARM	D3-2	-	-	9	-	S COMMERCIAL AVE / 3000 E (*A)	
27	36+94.32	TS POLE	R10-11C	1	-	36+95.34	42 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
28	37+08.96	TS MAST ARM	D3-2	1	-	37+10.10	25 RT	TS MAST ARM	D3-2	-	-	6	-	E 92ND ST / 9200 S (*B)	
29	37+09.31	TS POLE	R10-11C	1	-	37+12.80	23 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
29A	-	-	-	-	-	37+12.80	23 LT	TS POLE	R10-15R	6.25	-	-	-	TURNING / VEHICLES / YIELD TO BIKE	
30	37+16.44	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	REMOVE BY OTHERS
31	37+27.30	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
111	-	-	-	-	-	37+37.23	31 LT	SIGN POLE	R9-7	1.5	-	-	1	KEEP / LEFT BIKE / RIGHT PED	
112	-	-	-	-	-	37+37.62	32 RT	SIGN POLE	R9-7	1.5	-	-	1	KEEP / LEFT BIKE / RIGHT PED	
32	37+70.90	LIGHT POLE	R2-1-2	1	-	38+39.09	27 RT	LIGHT POLE	R2-1-2	5	-	-	-	SPEED / LIMIT / 30	
33	37+92.78	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
33A	37+92.78	SIGN POLE	R7-207-3	-	1	-	-	-	-	-	-	-	-	NO PARKING / BUS STOP / TOW ZONE / LEFT	
33B	-	-	-	-	-	37+48.79	27 LT	POST	R7-1-3	-	2.25	-	1	NO PARKING / TOW ZONE / LEFT	
148	-	-	-	-	-	37+80.00	21 RT	SIGN POLE	-	-	-	-	-	CTA BUS STOP	INSTALL BY OTHERS
145	-	-	-	-	-	38+18.11	28 RT	SIGN POLE	R7-207-1	-	2.25	-	1	NOPARKING / BUS STOP / TOW ZONE / RIGHT	
34	38+17.16	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS

NOTES:

*A SEE DETAIL SHEET SGND-1 DETAIL A

*B SEE DETAIL SHEET SGND-1 DETAIL B

MODEL: Default
FILE NAME: c:\pwworkspace\pwdefault\documents\1008001\d0122008\sg_DocPlacement Marking & Signing\Plans\Section 1\NOA-1\SGNS-1 Signage Sheets.dgn

DESIGNED - B. MCPHERSON				
DRAWN - B. MCPHERSON				
CHECKED - C. DEAN				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE = 8/12/2022

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

SIGNAGE PLANS
SIGNING SCHEDULE

SCALE: NO SCALE | SHEET SGNS-1 OF SGNS-4 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGNS–1
SHEET NO. 65 OF 207

SIGNING SCHEDULE

SIGN NUMBER	EXISTING SIGN STATION	EXISTING MOUNTING TYPE	EXISTING CDOT/MUTCD SIGN CODE	REMOVE SIGN PANEL AND SALVAGE (EACH)	REMOVE SIGN ASSEMBLY AND SALVAGE (EACH)	PROPOSED SIGN STATION	PROPOSED SIGN OFFSET	PROPOSED POLE TYPE	PROPOSED CDOT/MUTCD SIGN CODE	SIGN PANEL TYPE 1 RETROREFLECTIVE - TYPE A -SINGLE SIDED (SF)	SIGN PANEL TYPE 1 NON - RETROREFLECTIVE - TYPE A -DOUBLE SIDED (SF)	STREET NAME SIGNS (SF)	FURNISH AND INSTALL POLE AND BASE (EACH)	SIGN/FEATURE DESCRIPTION	NOTES
34A	38+17.16	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
35	38+35.14	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
36	38+80.01	LIGHT POLE	R7-602-33	1	-	38+79.91	27 RT	SIGN POLE	R7-602-33	-	2.25	-	1	30 MINUTE / STANDING ZONE / USE / FLASHING LIGHTS / 8AM - 5PM / MON - SAT / TOW ZONE	
37	39+00.92	SIGN POLE	R7-602-31	-	1	39+00.48	27 RT	SIGN POLE	R7-602-31	-	2.25	-	1	30 MINUTE / STANDING ZONE / USE / FLASHING LIGHTS / 8AM - 5PM / MON - SAT / TOW ZONE	
38	39+00.92	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
39	39+78.09	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
39A	39+78.09	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
40	40+68.86	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
40A	40+68.86	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
41	41+28.38	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
42	42+09.95	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
42A	42+09.95	SIGN POLE	R7-207-3	-	1	-	-	-	-	-	-	-	-	NO PARKING / BUS STOP / TOW ZONE / LEFT	
43	42+16.30	LIGHT POLE	SS-3	1	-	42+26.60	27 RT	LIGHT POLE	SS-3	-	2.25	-	-	NO PEDDLING	
44	42+16.30	LIGHT POLE	SPECIAL	1	-	42+26.60	27 RT	LIGHT POLE	SPECIAL	3.75	-	-	-	NATIONAL SHRINE / OF ST. JUDE / 3 BLOCKS (*H)	
45	42+27.70	SIGN POLE	R7-207-1	-	1	42+10.68	27 LT	SIGN POLE	R7-207-1	-	2.25	-	1	NOPARKING / BUS STOP / TOW ZONE / RIGHT	
149	-	-	-	-	-	42+25.68	27 LT	SIGN POLE	-	-	-	-	-	CTA BUS STOP	INSTALL BY OTHERS
42B	-	-	-	-	-	42+58.67	21 RT	SIGN POLE	R7-1-3	-	2.25	-	1	NO PARKING / TOW ZONE / LEFT	
113	-	-	-	-	-	42+60.39	27 LT	SIGN POLE	R9-7	1.5	-	-	1	KEEP / LEFT BIKE / RIGHT PED	
114	-	-	-	-	-	42+63.17	31 RT	SIGN POLE	R9-7	1.5	-	-	1	KEEP / LEFT BIKE / RIGHT PED	
46	42+46.17	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	REMOVE BY OTHERS
47	42+77.63	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	REMOVE BY OTHERS
48	42+91.87	TS POLE	R10-11C	1	-	42+88.15	23 RT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
48A	-	-	-	-	-	42+88.15	23 RT	TS POLE	R10-15R	6.25	-	-	-	TURNING / VEHICLES / YIELD TO BIKE	
49	42+93.28	TS POLE	D3-3	1	-	42+92.29	23 LT	TS POLE	D3-3	-	-	1.69	-	HONORARY / ARNOLD MIRELES MEMORIAL DR. (*F)	
49A	42+93.28	TS POLE	D3-1	1	-	42+92.29	23 LT	TS POLE	D3-1	-	-	1.69	-	S COMMERCIAL AV (*D)	
50	42+93.28	TS POLE	D3-1	1	-	42+92.29	23 LT	TS POLE	D3-1	-	-	1.31	-	E 91ST ST (*E)	
51	42+93.28	TS POLE	R10-11C	1	-	42+92.29	23 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
52	43+07.33	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
53	43+07.74	TS POLE	R10-11C	1	-	43+07.44	45 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
54	43+60.90	SIGN POLE	R10-11C	-	1	43+75.44	42 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
55	43+61.02	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
56	43+62.47	TS POLE	R10-11C	1	-	43+61.46	49 RT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
57	-	-	-	-	-	43+89.71	23 LT	TS POLE	R10-15R	6.25	-	-	-	TURNING / VEHICLES / YIELD TO BIKE	
57A	43+75.59	TS POLE	R10-11C	1	-	43+89.71	23 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
58	43+83.67	LIGHT POLE	D3-3	1	-	43+76.99	23 RT	TS POLE	D3-3	-	-	1.69	-	HONORARY / ARNOLD MIRELES MEMORIAL DR. (*F)	
58A	43+83.67	LIGHT POLE	D3-1	1	-	43+76.99	23 RT	TS POLE	D3-1	-	-	1.69	-	S COMMERCIAL AV (*D)	
59	43+83.67	LIGHT POLE	D3-1	1	-	43+76.99	23 RT	TS POLE	D3-1	-	-	1.31	-	E 91ST ST (*E)	
60	43+83.67	LIGHT POLE	R10-11C	1	-	43+76.99	23 RT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
61	43+90.74	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
61A	-	-	-	-	-	44+84.19	27 RT	SIGN POLE	R7-207-1	-	2.25	-	1	NOPARKING / BUS STOP / TOW ZONE / RIGHT	
115	-	-	-	-	-	44+03.28	32 RT	SIGN POLE	R9-7	1.5	-	-	1	KEEP / LEFT BIKE / RIGHT PED	
116	-	-	-	-	-	44+05.40	31 LT	SIGN POLE	R9-7	1.5	-	-	1	KEEP / LEFT BIKE / RIGHT PED	
62	44+05.58	SIGN POLE	R7-1-3	-	1	44+12.53	28 LT	SIGN POLE	R7-1-3	-	2.25	-	1	NO PARKING / LEFT ARROW/ TOW ZONE	
62A	44+05.58	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
150	-	-	-	-	-	44+46.22	21 RT	SIGN POLE	-	-	-	-	-	CTA BUS STOP	INSTALL BY OTHERS
63	44+67.37	LIGHT POLE	SPECIAL	1	-	44+65.53	28 LT	SIGN POLE	SPECIAL	3.75	-	-	1	NATIONAL SHRINE / OF ST. JUDE / 3 BLOCKS (*G)	
64	45+70.17	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
64A	45+70.17	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
65	45+92.48	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
65A	45+92.48	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
66	47+44.15	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
66A	47+44.15	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS

NOTES:

*D SEE DETAIL SHEET SGND-1 DETAIL D

*E SEE DETAIL SHEET SGND-1 DETAIL E

*F SEE DETAIL SHEET SGND-1 DETAIL F

*G SEE DETAIL SHEET SGND-1 DETAIL G

*H SEE DETAIL SHEET SGND-1 DETAIL H

SIGNING SCHEDULE

SIGN NUMBER	EXISTING SIGN STATION	EXISTING MOUNTING TYPE	EXISTING CDOT/MUTCD SIGN CODE	REMOVE SIGN PANEL AND SALVAGE (EACH)	REMOVE SIGN ASSEMBLY AND SALVAGE (EACH)	PROPOSED SIGN STATION	PROPOSED SIGN OFFSET	PROPOSED POLE TYPE	PROPOSED CDOT/MUTCD SIGN CODE	SIGN PANEL TYPE 1 RETROREFLECTIVE - TYPE A -SINGLE SIDED (SF)	SIGN PANEL TYPE 1 NON - RETROREFLECTIVE - TYPE A -DOUBLE SIDED (SF)	STREET NAME SIGNS (SF)	FURNISH AND INSTALL POLE AND BASE (EACH)	SIGN/FEATURE DESCRIPTION	NOTES
67	47+73.94	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
67A	47+73.94	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
68	47+92.98	LIGHT POLE	SS-3	1	-	47+93.08	28 LT	SIGN POLE	SS-3	-	2.25	-	1	NO PEDDLING	
69	48+62.52	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
69A	48+62.52	LIGHT POLE	R7-207-3	1	-	48+52.40	15 RT	SIGN POLE	R7-207-3	-	2.25	-	1	NO PARKING / BUS STOP / TOW ZONE / LEFT	
70	48+72.93	LIGHT POLE	R2-1-2	1	-	48+56.92	28 LT	SIGN POLE	R2-1-2	5	-	-	1	SPEED / LIMIT / 30	
71	49+44.33	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
71A	-	-	-	-	-	49+40.35	22 LT	SIGN POLE	R7-1-1	-	2.25	-	1	NO PARKING / RIGHT ARROW/ TOWZONE	
71B	-	-	-	-	-	49+40.35	31 LT	SIGN POLE	R9-7	1.5	-	-	1	KEEP / LEFT BIKE / RIGHT PED	
117	-	-	-	-	-	49+32.00	31 RT	SIGN POLE	R9-7	1.5	-	-	1	KEEP / LEFT BIKE / RIGHT PED	
72	49+48.38	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	REMOVE BY OTHERS
151	-	-	-	-	-	49+47.16	15 RT	SIGN POLE	-	-	-	-	-	CTA BUS STOP	INSTALL BY OTHERS
73	49+52.04	LIGHT POLE	R-1-1-1	1	-	49+51.79	23 RT	LIGHT POLE	R1-1	6.25	-	-	-	STOP	
73A	49+52.04	LIGHT POLE	R1-4	1	-	49+51.79	23 RT	LIGHT POLE	R1-4	0.75	-	-	-	ALL WAY	
73B	49+52.04	LIGHT POLE	R-1-1-1	1	-	49+51.79	23 RT	LIGHT POLE	R1-1	6.25	-	-	-	STOP	
73C	49+52.04	LIGHT POLE	R1-4	1	-	49+51.79	23 RT	LIGHT POLE	R1-4	0.75	-	-	-	ALL WAY	
74	49+52.04	LIGHT POLE	D3-1	1	-	49+51.79	23 RT	LIGHT POLE	D3-1	-	-	1.69	-	S COMMERCIAL AV (*D)	
74A	49+52.04	LIGHT POLE	D3-3	1	-	49+51.79	23 RT	LIGHT POLE	D3-3	-	-	1.69	-	HONORARY / ARNOLD MIRELES MEMORIAL DR. (*F)	
75	49+52.04	LIGHT POLE	D3-1	1	-	49+51.79	23 RT	LIGHT POLE	D3-1	-	-	1.31	-	E 90TH ST (*C)	
76	49+90.87	SIGN POLE	W1-8	-	1	159+55.37	13 RT	SIGN POLE	W1-8R	3	-	-	1	CHEVRON (RIGHT)	
77	50+09.52	SIGN POLE	W1-8	-	-	-	-	-	-	-	-	-	-	CHEVRON (LEFT)	REMOVE BY OTHERS
78	50+25.57	LIGHT POLE	R-1-1-1	-	-	-	-	-	-	-	-	-	-	STOP	REMOVE BY OTHERS
78A	50+25.57	LIGHT POLE	R1-4	-	-	-	-	-	-	-	-	-	-	ALL WAY	REMOVE BY OTHERS
79	50+50.83	LIGHT POLE	R-1-1-1	-	-	-	-	-	-	-	-	-	-	STOP	REMOVE BY OTHERS
79A	50+50.83	LIGHT POLE	R1-4	-	-	-	-	-	-	-	-	-	-	ALL WAY	REMOVE BY OTHERS
79B	50+50.83	LIGHT POLE	R-1-1-1	-	-	-	-	-	-	-	-	-	-	STOP	REMOVE BY OTHERS
80	398+61.11	LIGHT POLE	D11-1C	1	-	398+61.22	26 RT	SIGN POLE	D11-1C	3	-	-	1	BIKE SYMBOL EAST TO LAKE FRONT	
81	398+61.11	LIGHT POLE	R7-1-4	1	-	398+61.22	26 RT	SIGN POLE	R7-1-4	-	2.25	-	-	NO PARKING/ TOW ZONE	
119	-	-	-	-	-	399+38.88	25 LT	SIGN POLE	R7-1-1	-	2.25	-	1	NO PARKING / RIGHT ARROW/ TOWZONE	
82	398+88.19	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
82A	398+88.19	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
83	399+42.58	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
84	400+42.54	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	REMOVE BY OTHERS
85	400+42.54	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	REMOVE BY OTHERS
86	400+42.54	TS POLE	R10-11C	1	-	400+46.33	25 LT	TS POLE	R10-11B	4	-	-	-	NO / TURN / ON RED	
152	-	-	-	-	-	400+51.73	25 LT	SIGN POLE	-	-	-	-	-	CTA BUS STOP	INSTALL BY OTHERS
153	-	-	-	-	-	401+10.83	25 RT	SIGN POLE	-	-	-	-	-	CTA BUS STOP	INSTALL BY OTHERS
87	400+59.30	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
88	401+24.81	LIGHT POLE	SS-3	1	-	401+64.87	25 LT	LIGHT POLE	SS-3	-	2.25	-	-	NO PEDDLING	
89	401+25.86	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
89A	401+25.86	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
90	401+36.70	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
146	-	-	-	-	-	401+39.53	25 RT	SIGN POLE	R7-207-1	-	2.25	-	1	NOPARKING / BUS STOP / TOW ZONE / RIGHT	
91	401+36.70	SIGN POLE	R7-8-23	-	1	401+39.53	25 RT	SIGN POLE	R7-8-23	-	2.25	-	-	HANDICAP LOADING ZONE / 8AM - 8PM/ MON - SAT/ TOW ZONE / LEFT ARROW	
92	401+59.24	SIGN POLE	R7-1-3	-	1	401+62.13	25 RT	SIGN POLE	R7-1-3	-	2.25	-	1	NO PARKING / TOW ZONE / LEFT ARROW	
93	401+59.24	SIGN POLE	R7-8-21	-	-	401+62.13	25 RT	SIGN POLE	R7-8-21	-	2.25	-	-	HANDICAP LOADING ZONE / 8AM - 8PM/ MON - SAT/ TOW ZONE / RIGHT ARROW	
94	401+60.57	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
94A	401+60.57	POST	R7-207-3	-	1	401+46.04	25 LT	SIGN POLE	R7-207-3	-	2.25	-	1	NO PARKING/ BUS STOP / TOW ZONE/ LEFT	
95	148+17.57	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
95A	148+17.57	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
96	149+31.73	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / ARROW	RELOCATE BY OTHERS
96A	-	-	-	-	-	149+24.66	27 RT	SIGN POLE	R7-1-3	-	2.25	-	1	NO PARKING / TOW ZONE / LEFT	

NOTES:

*C SEE DETAIL SHEET SGND-1 DETAIL C

*D SEE DETAIL SHEET SGND-1 DETAIL D

*F SEE DETAIL SHEET SGND-1 DETAIL F

MODEL: Default
FILE NAME: c:\pwworkspace\pwdefault\documents\10080\d0012008\sg_DocPavement Marking & Signing\PlansSection 1\NOA-08-25-Signage\sgnd-1s-03.dgn

DESIGNED - B. MCPHERSON				
DRAWN - B. MCPHERSON				
CHECKED - C. DEAN				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE = 8/12/2022

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

SIGNAGE PLANS
SIGNING SCHEDULE

SCALE: NO SCALE | SHEET SGNS-3 OF SGNS-4 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGNS–3
SHEET NO. 67 OF 207

SIGNING SCHEDULE

SIGN NUMBER	EXISTING SIGN STATION	EXISTING MOUNTING TYPE	EXISTING CDOT/MUTCD SIGN CODE	REMOVE SIGN PANEL AND SALVAGE (EACH)	REMOVE SIGN ASSEMBLY AND SALVAGE (EACH)	PROPOSED SIGN STATION	PROPOSED SIGN OFFSET	PROPOSED POLE TYPE	PROPOSED CDOT/MUTCD SIGN CODE	SIGN PANEL TYPE 1 RETROREFLECTIVE - TYPE A -SINGLE SIDED (SF)	SIGN PANEL TYPE 1 NON - RETROREFLECTIVE - TYPE A -DOUBLE SIDED (SF)	STREET NAME SIGNS (SF)	FURNISH AND INSTALL POLE AND BASE (EACH)	SIGN/FEATURE DESCRIPTION	NOTES
96B	-	-	-	-	-	149+39.04	27 LT	SIGN POLE	R7-1-1	-	2.25	-	1	NO PARKING / TOW ZONE / RIGHT	
97	150+71.47	LIGHT POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	REMOVE BY OTHERS
154	-	-	-	-	-	150+51.81	27 LT	SIGN POLE	-	-	-	-	-	CTA BUS STOP	INSTALL BY OTHERS
98	151+56.53	POST	R7-207-3	-	1	151+46.11	27 LT	SIGN POLE	R7-207-3	-	2.25	-	1	NO PARKING/ BUS STOP / TOW ZONE/ LEFT	
99	151+39.69	LIGHT POLE	SS-3	1	-	151+76.02	30 RT	LIGHT POLE	SS-3	-	2.25	-	-	NO PEDDLING	
100	151+73.26	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
100A	151+73.26	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	RELOCATE BY OTHERS
101	158+25.95	POST	R7-11-13	-	1	158+30.11	27 RT	SIGN POLE	R7-11-13	-	2.25	-	1	DIAGONAL PARKING ONLY	
102	160+69.49	SIGN POLE	R7-1-3	-	-	-	-	-	-	-	-	-	-	NO PARKING / TOW ZONE / LEFT ARROW	REMOVE BY OTHERS
103	160+69.64	SIGN POLE	R7-1-1	-	1	160+60.34	20 RT	SIGN POLE	R7-1-1	-	2.25	-	1	NO PARKING / TOW ZONE / RIGHT ARROW	
103A	160+69.64	SIGN POLE	R7-602-33	-	-	160+60.34	20 RT	SIGN POLE	R7-602-33	-	2.25	-	-	30 MINUTE / STANDING ZONE / USE / FLASHING LIGHTS / 6AM - 7PM / MON - FRI / TOW ZONE	
104	160+91.33	SIGN POLE	R7-602-31	-	1	160+80.34	20 RT	SIGN POLE	R7-602-31	-	2.25	-	1	30 MINUTE / STANDING ZONE / USE / FLASHING LIGHTS / 6AM - 7PM / MON - FRI / TOW ZONE	
105	161+70.64	LIGHT POLE	SS-3	1	-	161+71.05	20 RT	SIGN POLE	SS-3	-	2.25	-	1	NO PEDDLING	
105A	-	-	-	-	-	161+71.05	20 RT	SIGN POLE	R7-1-3	-	2.25	-	-	NO PARKING / TOW ZONE / LEFT ARROW	
106	-	-	-	-	-	160+60.34	20 RT	SIGN POLE	R7-1-1	-	2.25	-	1	NO PARKING / TOW ZONE / RIGHT ARROW	
120	-	-	-	-	-	31+74.25	25 RT	TS POLE	R3-17	5	-	-	-	BIKE LANE	
121	394+62.59	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	E 92ND ST / 9200 S	SIGN TO REMAIN
121A	394+62.59	TS POLE	R3-17	-	-	-	-	-	-	-	-	-	-	RIGHT / LANE / BIKE / ONLY	SIGN TO REMAIN
122	394+93.42	TS POLE	W25-1	-	-	-	-	-	-	-	-	-	-	ONCOMING / TRAFFIC / HAS / LONGER/ GREEN	SIGN TO REMAIN
122A	394+93.42	TS POLE	R7-1-1	-	-	-	-	-	-	-	-	-	-	NO PARKING / TOW ZONE / RIGHT	SIGN TO REMAIN
123	395+31.84	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	SOUTH CHICAGO AV / 2850 E	SIGN TO REMAIN
123A	395+31.84	TS MAST ARM	W25-1	-	-	-	-	-	-	-	-	-	-	ONCOMING / TRAFFIC / HAS / LONGER/ GREEN	SIGN TO REMAIN
124	395+80.15	SIGN POLE	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	SIGN TO REMAIN
125	395+79.66	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	S EXCHANGE AV / 2932 E	SIGN TO REMAIN
125A	395+79.66	TS POLE	R7-1-4	-	-	-	-	-	-	-	-	-	-	NO PARKING / TOW ZONE	SIGN TO REMAIN
126	395+97.16	TS POLE	D3-1	-	-	-	-	-	-	-	-	-	-	E 92ND ST	SIGN TO REMAIN
126A	395+97.16	TS POLE	D3-1	-	-	-	-	-	-	-	-	-	-	S EXCHANGE AV	SIGN TO REMAIN
126B	395+97.16	TS POLE	R6-2L	-	-	-	-	-	-	-	-	-	-	ONE WAY / LEFT ARROW	SIGN TO REMAIN
126C	395+97.16	TS POLE	R6-2R	-	-	-	-	-	-	-	-	-	-	ONE WAY / RIGHT ARROW	SIGN TO REMAIN
127	395+98.17	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	E 92ND ST / 9200 S	SIGN TO REMAIN
128	396+51.55	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	E 92ND ST / 9200 S	SIGN TO REMAIN
128A	396+51.55	TS POLE	R6-2L	-	-	-	-	-	-	-	-	-	-	ONE WAY / LEFT ARROW	SIGN TO REMAIN
128B	396+51.55	TS POLE	R6-2R	-	-	-	-	-	-	-	-	-	-	ONE WAY / RIGHT ARROW	SIGN TO REMAIN
129	396+60.92	TS POLE	D3-2	-	-	-	-	-	-	-	-	-	-	S EXCHANGE AV / 2923 E	SIGN TO REMAIN
129A	396+60.92	TS POLE	D3-1	-	-	-	-	-	-	-	-	-	-	S EXCHANGE AV	SIGN TO REMAIN
129B	396+60.92	TS POLE	D3-1	-	-	-	-	-	-	-	-	-	-	E 92ND ST	SIGN TO REMAIN
130	396+86.66	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	CTA BUS STOP	SIGN TO REMAIN
131	397+9.21	POST	D1-1C	-	-	-	-	-	-	-	-	-	-	LEFT ARROW BIKE CALUMET PARK 1 1/4	SIGN TO REMAIN
131A	397+9.22	POST	D1-1C	-	-	-	-	-	-	-	-	-	-	BIKE WASHINGTON PARK 5 1/2 ARROW	SIGN TO REMAIN
131B	397+9.23	POST	D1-1C	-	-	-	-	-	-	-	-	-	-	VIA SOUTH CHICAGO AVE	SIGN TO REMAIN
132	397+53.01	LIGHT POLE	R7-1-3	-	-	-	-	-	-	-	-	-	-	NO PARKING / TOW ZONE / LEFT	SIGN TO REMAIN
133	397+70.46	LIGHT POLE	R7-1-4	-	-	-	-	-	-	-	-	-	-	NO PARKING / TOW ZONE	SIGN TO REMAIN
134	397+85.19	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / RIGHT ARROW	SIGN TO REMAIN
135	402+5.66	LIGHT POLE	R7-1-3	-	-	-	-	-	-	-	-	-	-	NO PARKING / TOW ZONE / LEFT	SIGN TO REMAIN
136	402+47.25	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	SIGN TO REMAIN
136A	402+47.25	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY TO PARK	SIGN TO REMAIN
137	403+20.51	POST	SPECIAL	-	-	-	-	-	-	-	-	-	-	PAY AT PAY BOX / LEFT ARROW	SIGN TO REMAIN
138	403+37.09	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	S HOUSTON AV / 3024E	SIGN TO REMAIN
139	403+52.5	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	E 92ND ST / 9200 S	SIGN TO REMAIN
140	404+5.67	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	E 92ND ST / 9200 S	SIGN TO REMAIN
141	404+25.28	TS MAST ARM	D3-2	-	-	-	-	-	-	-	-	-	-	S HOUSTON AV / 3024E	SIGN TO REMAIN
142	404+43.88	POST	R7-1-3	-	-	-	-	-	-	-	-	-	-	NO PARKING / TOW ZONE / LEFT ARROW	SIGN TO REMAIN
143	404+98.48	POST	R7-5-11L	-	-	-	-	-	-	-	-	-	-	PARKING RIGHT ARROW / 30 MINUTE PARKING / 7AM TO 5PM / MON-FRI	SIGN TO REMAIN
143A	404+98.48	POST	R7-8-11R	-	-	-	-	-	-	-	-	-	-	HANDICAP LOADING ZONE / TOW ZONE / RIGHT	SIGN TO REMAIN
144	405+28.97	LIGHT POLE	R7-5-11R	-	-	-	-	-	-	-	-	-	-	PARKING RIGHT ARROW / 30 MINUTE PARKING / 7AM TO 5PM / MON-FRI	SIGN TO REMAIN
144A	405+28.97	LIGHT POLE	R7-8-11L	-	-	-	-	-	-	-	-	-	-	HANDICAP LOADING ZONE / TOW ZONE / LEFT	SIGN TO REMAIN

MODEL: Default
PLOTTED BY: C:\Users\bmcpherson\Desktop\Bundle_Contents\Documents\10980s\10912.00\Eng_Dept\Pavement Marking & Signing\Plans\Section 1\MOs\10912.00 Signagesheets-1.dgn
PLOT DATE = 8/12/2022

DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

Ardmore Roderick

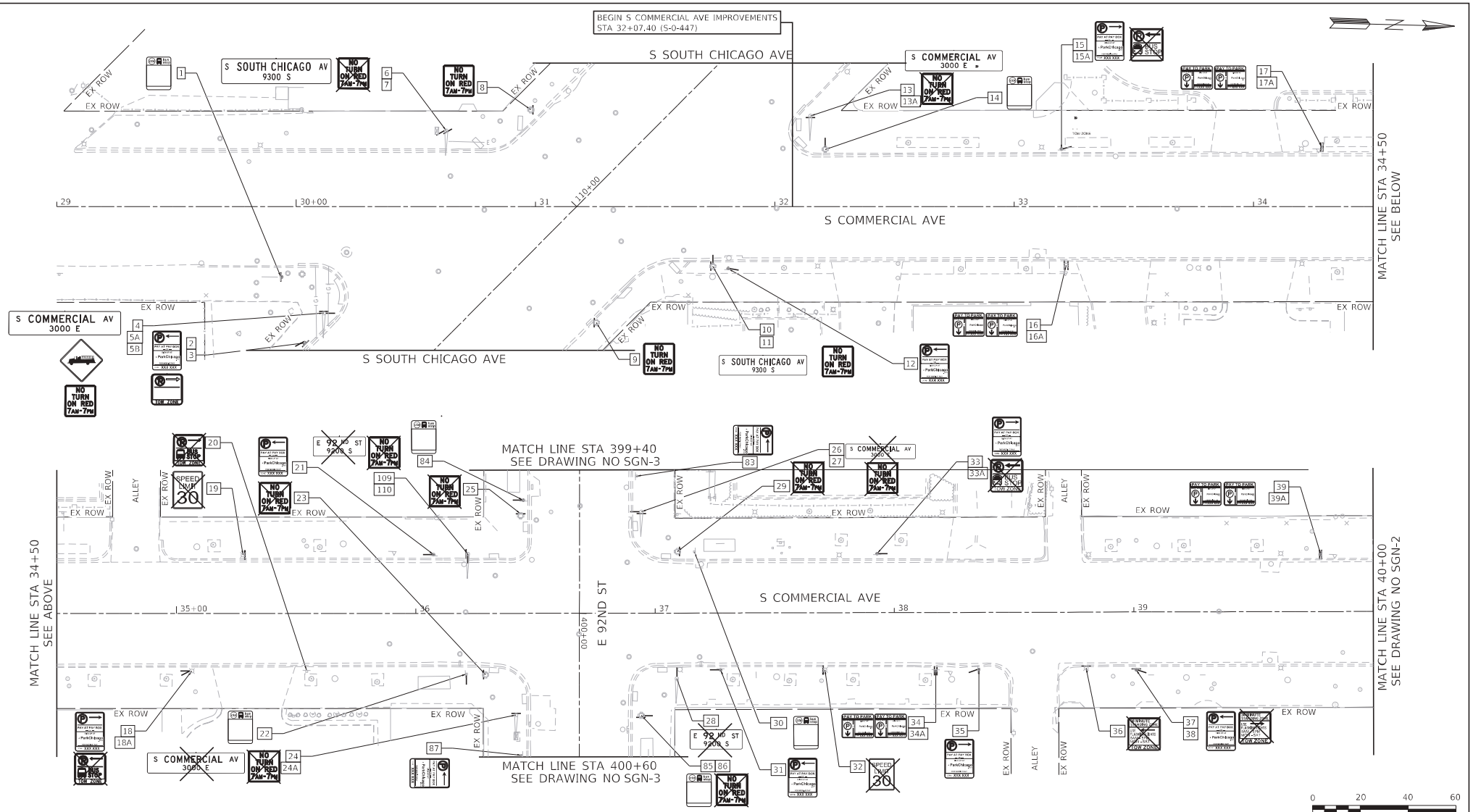
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

SIGNAGE PLANS
SIGNING SCHEDULE

SCALE: NO SCALE | SHEET SGNS-4 OF SGNS-4 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGNS–4
SHEET NO. 68 OF 207



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - B. MCPHERSON					
CHECKED - C. DEAN					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

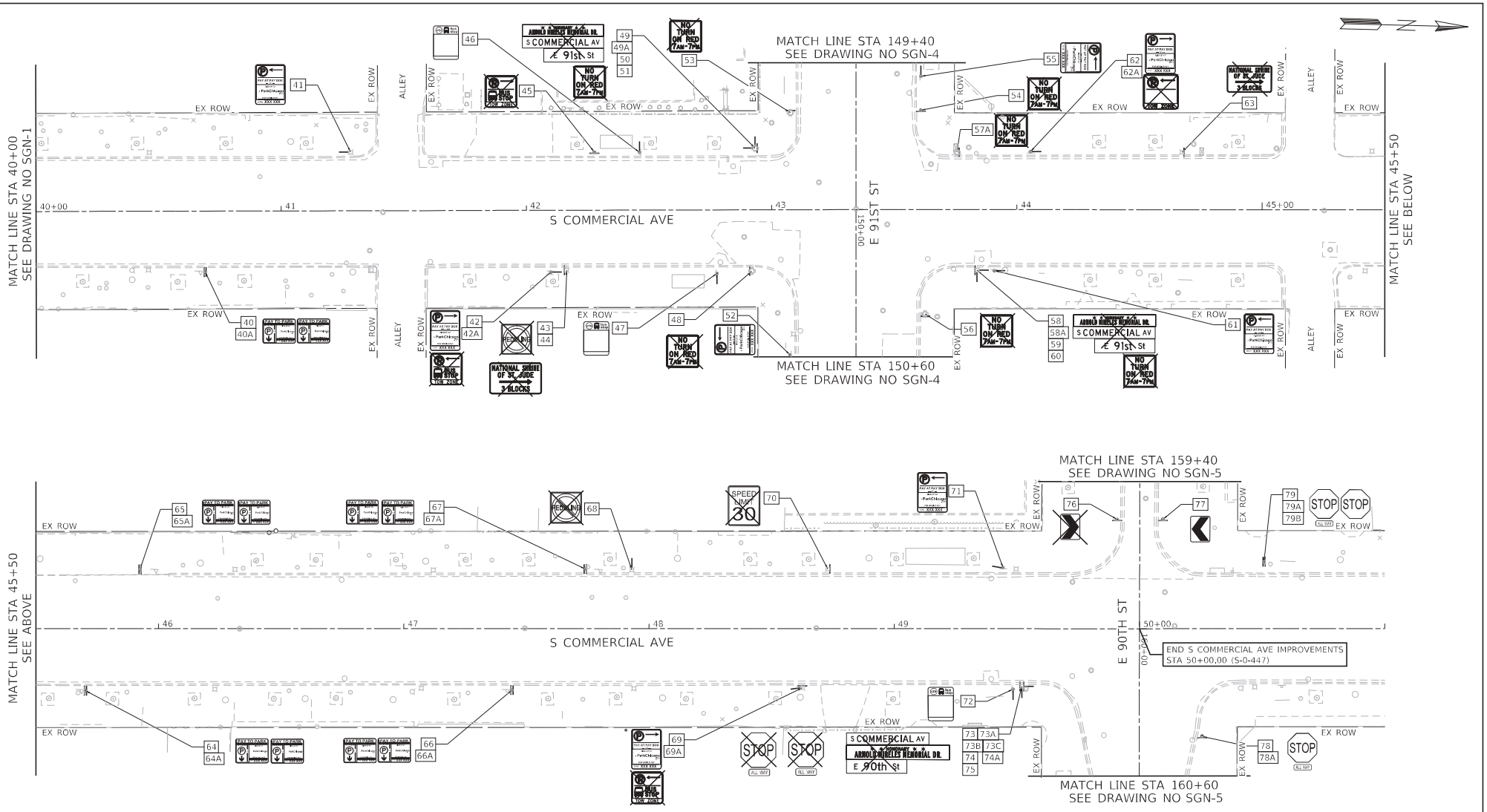
Ardmore Roderick

SIGNAGE PLANS
EXISTING SIGNING PLANS – S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET SGN-1 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGN-1
SHEET NO. 69 OF 207

MODEL: Default
FILE NAME: C:\Users\bmcpherson\Desktop\Desktop Items\Documents\10980s\10912.00\Cad\Dgn\Pavement Marking & Signing\Plans\Section 1\MOs\10912.00-Signage-comm-01.dgn
PLOT DATE = 8/11/2022



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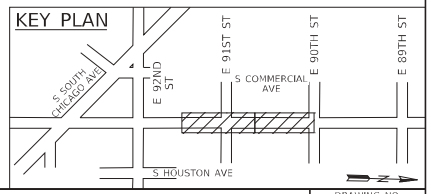
SCALE IN FEET

KEY PLAN



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

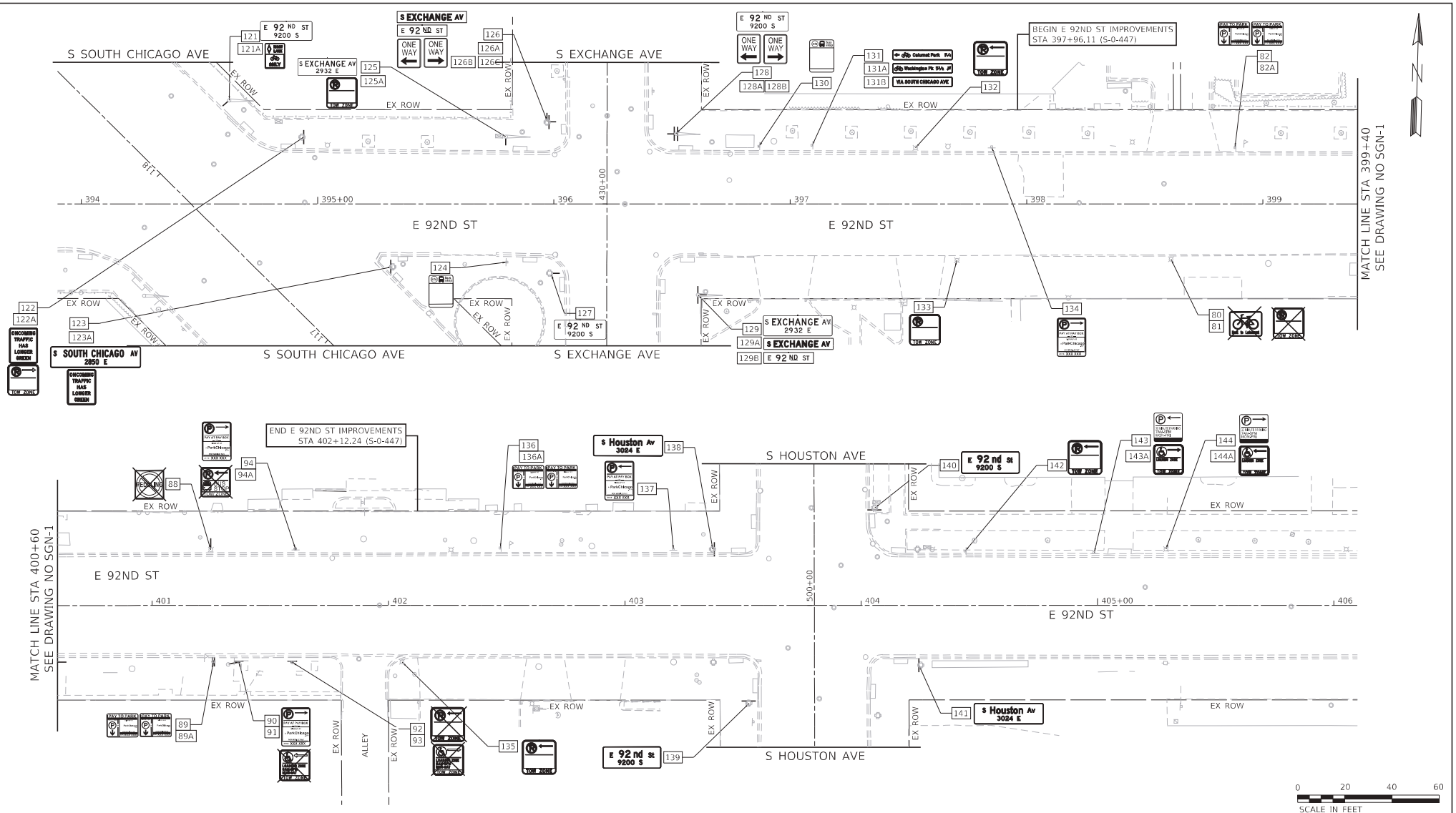
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

SIGNAGE PLANS
EXISTING SIGNING PLANS – S COMMERCIAL AVE

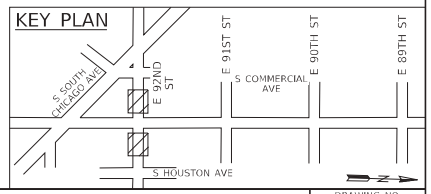
SCALE: 1" = 20' | SHEET SGN-2 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **SGN–2**
SHEET NO. 70 OF 207

MODEL: Default
PLOT DATE = 8/11/2022



0 20 40 60
SCALE IN FEET



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - B. MCPHERSON					
CHECKED - C. DEAN					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

Ardmore Roderick

SIGNAGE PLANS
EXISTING SIGNING PLANS – E 92ND ST

SCALE: 1" = 20' | SHEET SGN-3 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGN–3
SHEET NO. 71 OF 207

MODEL: Default
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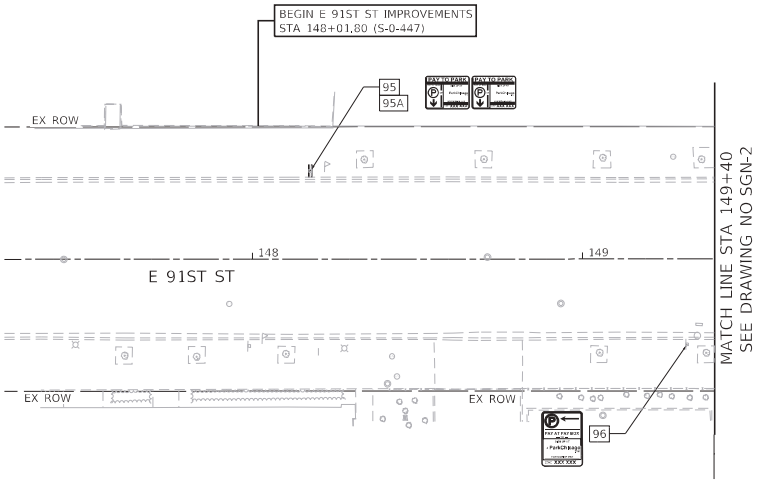
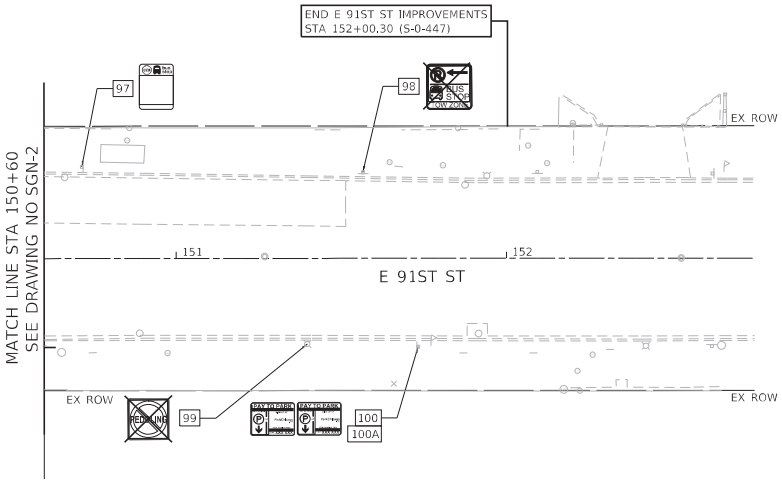
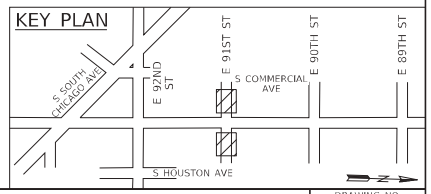
PLOT DATE = 8/11/2022







0 20 40 60
SCALE IN FEET



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

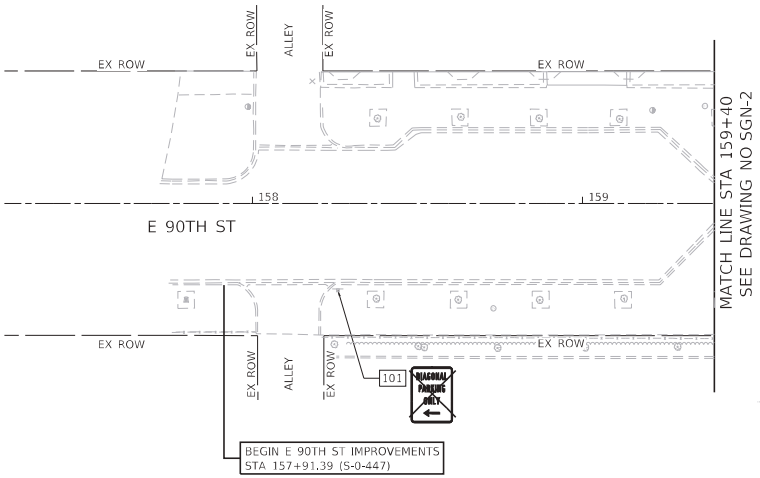
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

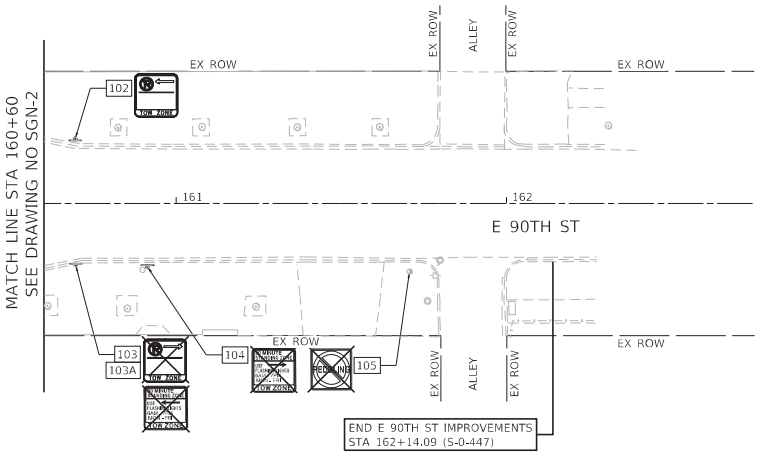
SIGNAGE PLANS
EXISTING SIGNING PLANS – E 91ST ST

SCALE: 1" = 20' | SHEET SGN-4 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **SGN–4**
SHEET NO. 72 OF 207

MODEL: Default
FILE: C:\Users\bmcpherson\Ardmore Roderick\ARD Documents - Documents\10980s\10912.00\Dgn_Docs\Pavement Marking & Signing\Plans\Section 1\NOA-10912.S-1-Phase signs-SGN-01.dgn







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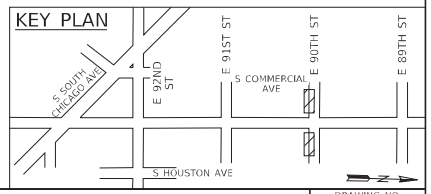
SCALE IN FEET



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

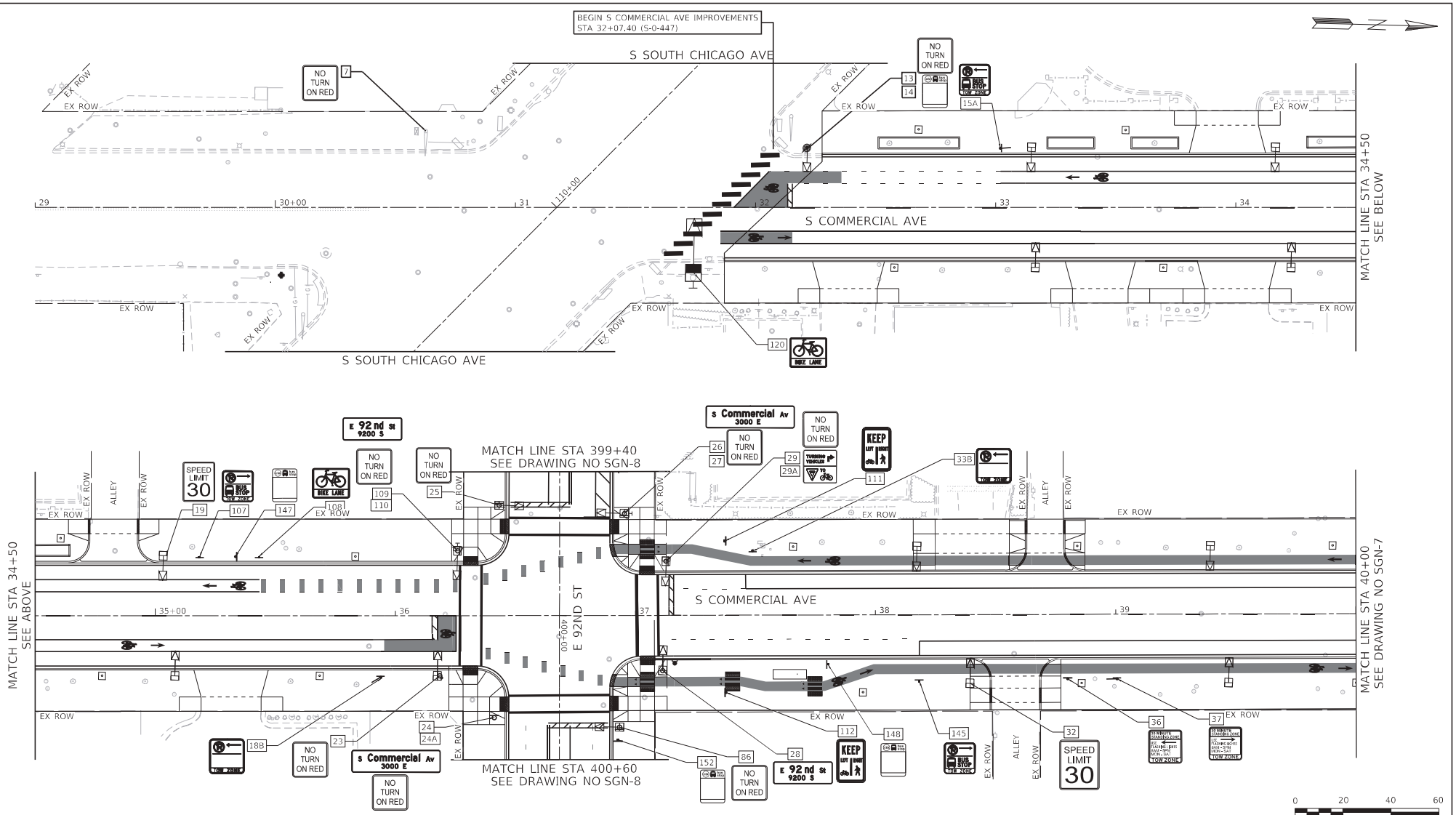
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

SIGNAGE PLANS
EXISTING SIGNING PLANS – E 90TH ST

SCALE: 1" = 20' | SHEET SGN-5 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

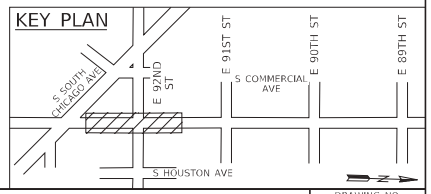
DRAWING NO. **SGN–5**
SHEET NO. 73 OF 207

MODEL: Default
FILE NAME: c:\Users\bmcpherson\Desktop\Bentley Connect\Sheet Set\Documents\109890\100120\Engineering Docs\Pavement Marking & Signing\Plans\Section 1\MOT-1\SGN-5.dgn



0 20 40 60
SCALE IN FEET

KEY PLAN



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - B. MCPHERSON					
CHECKED - C. DEAN					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

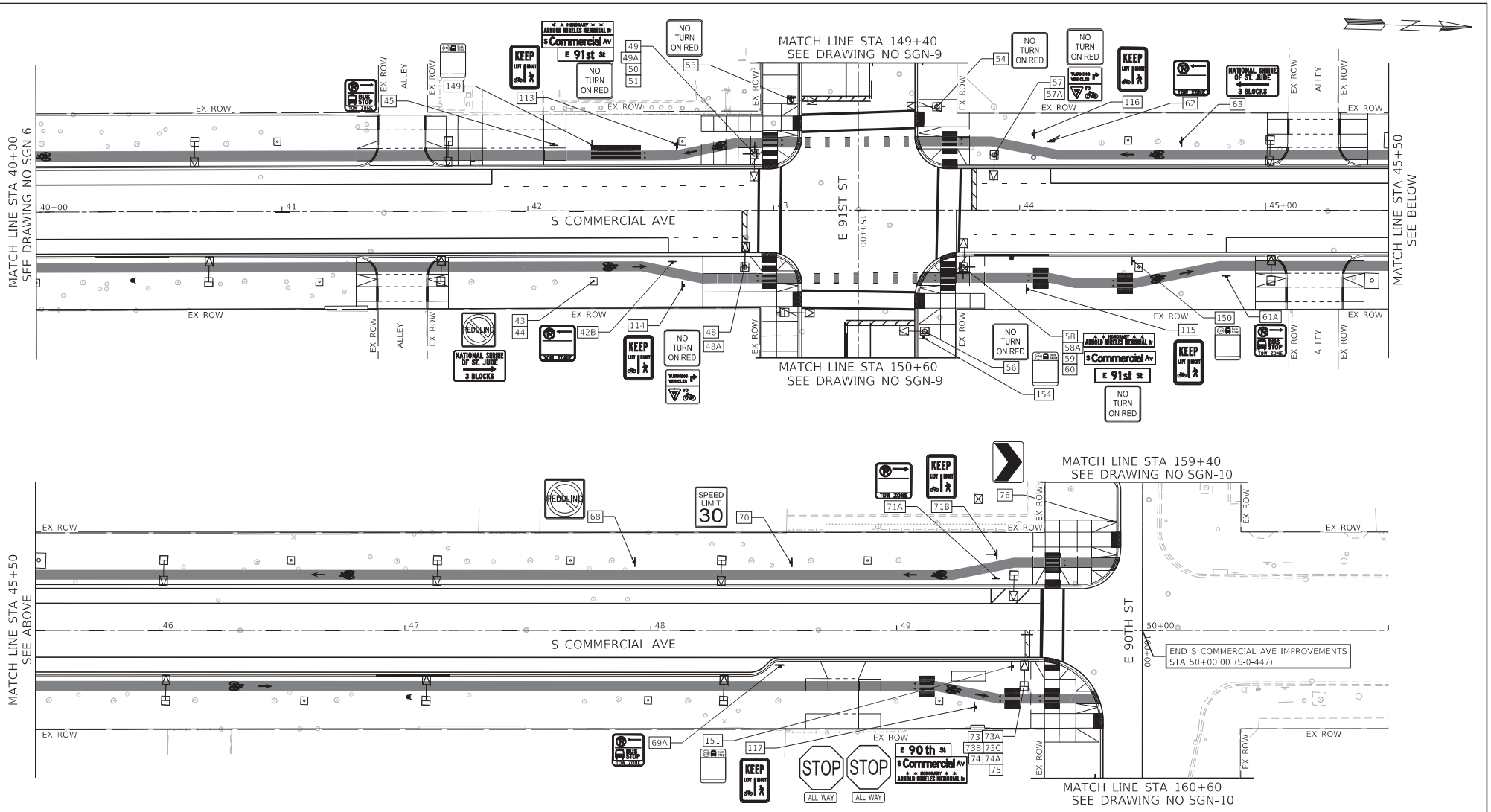
Ardmore Roderick

SIGNAGE PLANS
PROPOSED SIGNING PLANS – S COMMERCIAL AVE

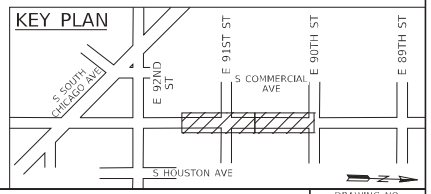
SCALE: 1" = 20' | SHEET SGN-6 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGN–6
SHEET NO. 74 OF 207

MODEL: Default
PLOT DATE = 8/12/2022



KEY PLAN



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - B. MCPHERSON					
CHECKED - C. DEAN					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

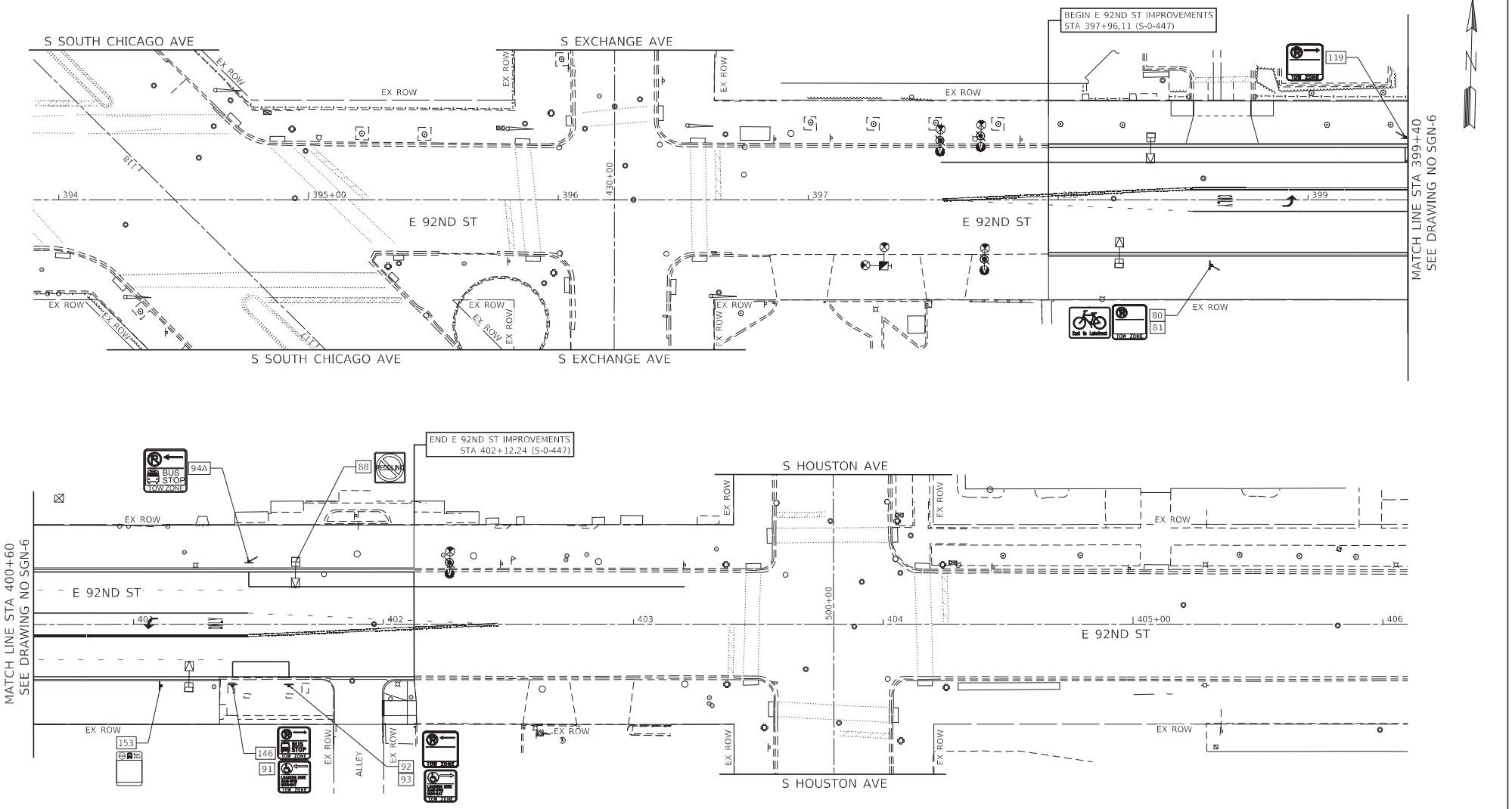
Ardmore Roderick

SIGNAGE PLANS
PROPOSED SIGNING PLANS – S COMMERCIAL AVE

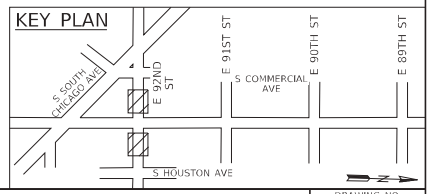
SCALE: 1" = 20' | SHEET SGN-7 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGN–7
SHEET NO. 75 OF 207

MODEL: Default
PLOT DATE = 8/12/2022



KEY PLAN



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - B. MCPHERSON					
CHECKED - C. DEAN					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

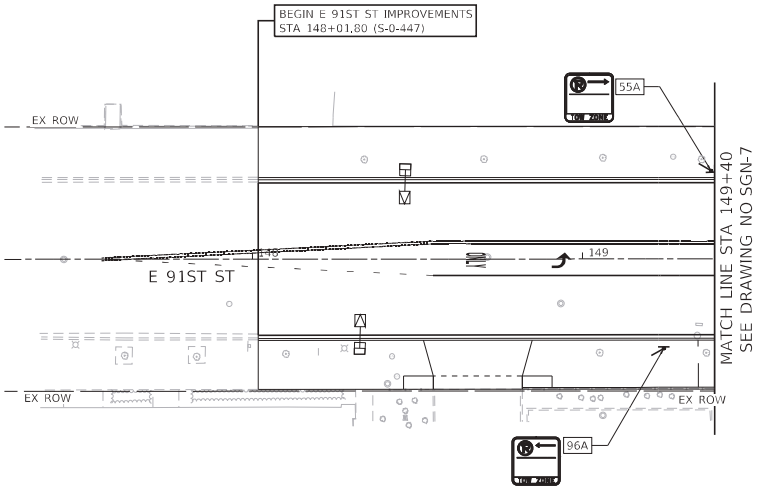
Ardmore Roderick

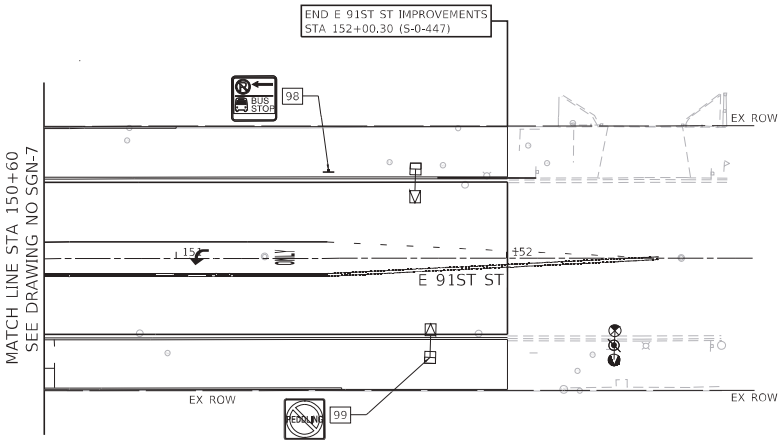
SIGNAGE PLANS
PROPOSED SIGNING PLANS – E 92ND ST

SCALE: 1" = 20' | SHEET SGN-8 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGN–8
SHEET NO. 76 OF 207

MODEL: Default
PLOT DATE = 8/12/2022







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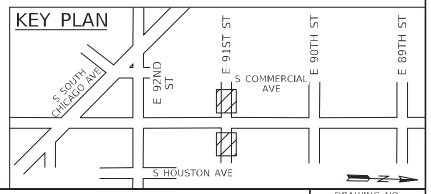


NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

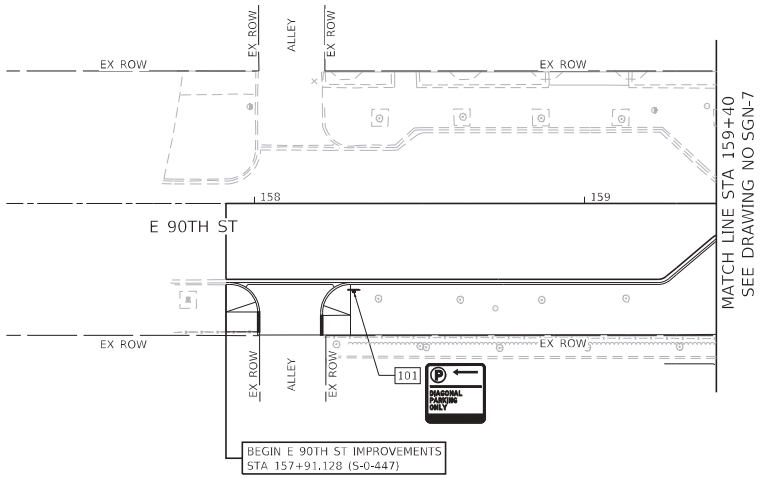
DESIGNED - B. MCPHERSON				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	SIGNAGE PLANS PROPOSED SIGNING PLANS – E 91ST ST
DRAWN - B. MCPHERSON						SCALE: 1" = 20' | SHEET SGN-9 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250
CHECKED - C. DEAN						
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION			

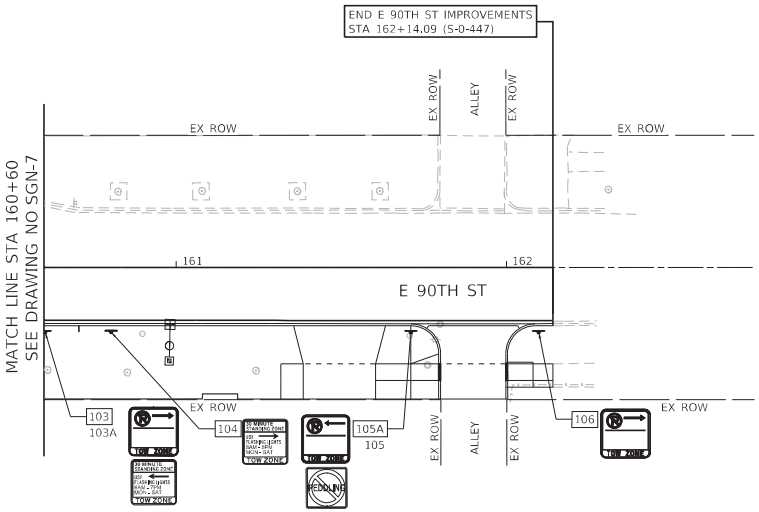
Ardmore Roderick

DRAWING NO. SGN–9
SHEET NO. 77 OF 207

PLOT DATE = 8/12/2022

MODEL: Default
FILE NAME: C:\Users\cpeabody.consultant\Desktop\Documents\109800\100120\Eng Docs\Pavement Marking & Signing\Plans\Section 1\MOT-1 SGN-9 SGN-10 S-0-447.dgn







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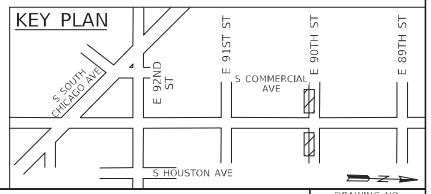
SCALE IN FEET



NOTES:

1. NUMBER NEXT TO SIGN DENOTES SIGN NUMBER AS IT APPEARS ON THE SIGN SCHEDULE. SEE SHEETS SGNS-1 TO SGNS-4 SIGNING SCHEDULE FOR FURTHER INFORMATION.
2. SIGNS AS SHOWN ON PLANS ARE DISPLAYED FROM THE DRIVER'S VIEWPOINT.

DESIGNED - B. MCPHERSON			
DRAWN - B. MCPHERSON			
CHECKED - C. DEAN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

Ardmore Roderick

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

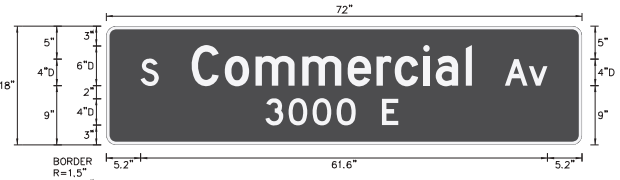
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

SIGNAGE PLANS
PROPOSED SIGNING PLANS – E 90TH ST

SCALE: 1" = 20' | SHEET SGN-10 OF SGN-10 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

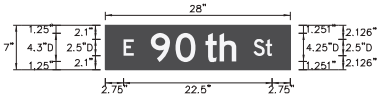
DRAWING NO.
SGN–10
SHEET NO.
78 OF 207

MODEL: Default
FILE NAME: c:\Users\bmcpherson\Desktop\Bentley Connect\Sheet Index\Documents\105980\v10\12.2\05\Sign_Docs\Pavement Marking & Signing\Plans\Section 1\MOT-105-S1-Sign-90th-01.dgn



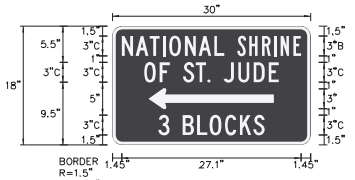
SIGN: D3-2
MAST ARM, SINGLE SIDED
COLORS:
LEGEND – WHITE
BACKGROUND – GREEN
(RETROREFLECTIVE)

DETAIL A



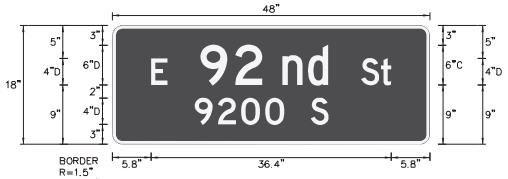
SIGN: D3-1
FLAG MOUNT, DOUBLE SIDED
COLORS:
LEGEND – WHITE
BACKGROUND – GREEN
(RETROREFLECTIVE)

DETAIL C



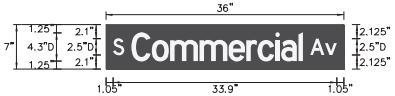
SIGN: SPECIAL
CENTER MOUNT, SINGLE SIDED
COLORS:
LEGEND – WHITE
BACKGROUND – BROWN
(RETROREFLECTIVE)

DETAIL G



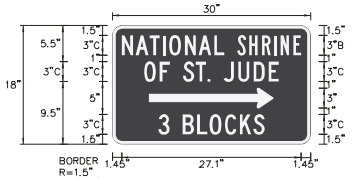
SIGN: D3-2
MAST ARM, SINGLE SIDED
COLORS:
LEGEND – WHITE
BACKGROUND – GREEN
(RETROREFLECTIVE)

DETAIL B



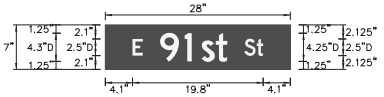
SIGN: D3-1
FLAG MOUNT, DOUBLE SIDED
COLORS:
LEGEND – WHITE
BACKGROUND – GREEN
(RETROREFLECTIVE)

DETAIL D



SIGN: SPECIAL
CENTER MOUNT, SINGLE SIDED
COLORS:
LEGEND – WHITE
BACKGROUND – BROWN
(RETROREFLECTIVE)

DETAIL H



SIGN: D3-1
FLAG MOUNT, DOUBLE SIDED
COLORS:
LEGEND – WHITE
BACKGROUND – GREEN
(RETROREFLECTIVE)

DETAIL E



SIGN: D3-3
FLAG MOUNT, DOUBLE SIDED
COLORS:
LEGEND – WHITE
BACKGROUND – BROWN
(RETROREFLECTIVE)

DETAIL F

DESIGNED - B. MCPHERSON				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - B. MCPHERSON					
CHECKED - C. DEAN					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

Ardmore Roderick

SIGNAGE PLANS
PROPOSED SIGNING DETAILS

SCALE: NTS | SHEET SGND-1 OF SGND-1 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SGND-1
SHEET NO. 79 OF 207

PLOT DATE = 8/11/2022

STRUCTURE SCHEDULE

STRUCTURE ID	CENTER LINE	STATION	OFFSET		STRUCTURE TYPE	FRAME & GRATE / LID	ITEM NUMBER	STANDARD DRAWING	FLOW RESTRICTOR	RIM / HEADWALL ELEV.	INVERT ELEVATIONS			
											NORTH	EAST	SOUTH	WEST
S-101	COMMERCIAL	33+42.33	22.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.72		8.54		8.60
S-102	COMMERCIAL	33+09.82	22.00	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.35				4.00
S-103	COMMERCIAL	36+20.23	22.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	NONE	11.75		9.13		
S-104	COMMERCIAL	36+46.36	52.91	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.80	5.80			
S-105	COMMERCIAL	36+90.47	52.54	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.70			4.20	
S-106	COMMERCIAL	37+19.31	18.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.92		5.92		
S-107	COMMERCIAL	39+55.09	18.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.98		8.11		
S-108	COMMERCIAL	36+18.36	22.00	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.78				3.78
S-109	COMMERCIAL	36+46.23	46.33	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.74	6.64			
S-110	COMMERCIAL	36+89.95	48.71	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.96			4.00	
S-111	COMMERCIAL	37+27.58	18.00	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	NONE	12.06				4.56
S-112	COMMERCIAL	39+54.61	18.00	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.85				7.64
S-200	COMMERCIAL	41+66.74	18.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.98		5.98		
S-201	COMMERCIAL	42+82.14	18.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	NONE	12.00		6.00		
S-202	COMMERCIAL	43+87.71	18.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.83		4.33		
S-203	COMMERCIAL	41+68.16	18.00	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.92				4.42
S-204	COMMERCIAL	42+78.95	18.00	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	12.05				4.55
S-300	92ND STREET	398+28.14	22.00	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" ORIFICE	12.03	4.05			
S-400	91ST STREET	150+66.27	22.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" ORIFICE	11.62			7.76	
S-205	COMMERCIAL	43+85.60	17.18	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	NONE	11.80				4.30
S-206	COMMERCIAL	46+74.63	18.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.60		7.69		
S-207	COMMERCIAL	49+39.56	18.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.66		5.66		
S-208	COMMERCIAL	46+75.84	18.00	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.76				7.92
S-209	COMMERCIAL	49+82.95	43.43	R	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.71				4.21
S-113	COMMERCIAL	32+28.930	22.00	L	CB TYPE A 4' DIA	F&L - TYPE 1 - OPEN	CDOT6020010	A.21 + A.22	3" VORTEX	11.55		6.00		

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DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

GRADING AND DRAINAGE PLANS
SCHEDULE OF QUANTITIES

SCALE: NO SCALE | SHEET DUS-1 OF DUS-2 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

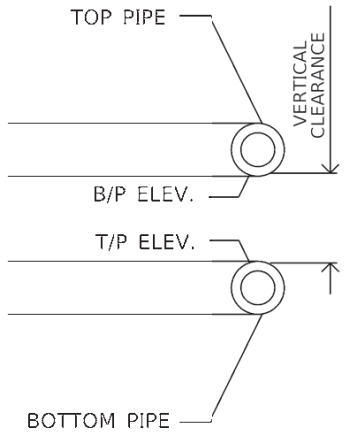
DRAWING NO. DUS-1
SHEET NO. 80 OF 207

STORM SEWER SCHEDULE

PIPE ID	UPSTREAM STRUCTURE	DOWNSTREAM STRUCTURE	UPSTREAM INVERT	DOWNSTREAM INVERT	LENGTH (FT)	DIAMETER	MATERIAL	TRENCH BACKFILL (CU YD)	TYPE
P-100	S-101	MATCH EX.	8.54	MATCH EX.	4.0	8"	VCP	0.41	TY 1
P-101	MATCH. EX	S-101	MATCH EX.	8.60	4.0	8"	VCP	0.41	TY 1
P-102	S-102	MATCH EX.	4.00	MATCH EX.	20.0	8"	DIP	15.12	TY 2
P-103	S-103	MATCH EX.	9.13	MATCH EX.	4.0	8"	VCP	0.50	TY 1
P-104	S-104	MATCH EX.	5.80	MATCH EX.	21.0	8"	DIP	7.06	TY 2
P-105	S-105	MATCH EX.	4.20	MATCH EX.	20.0	8"	DIP	7.08	TY 2
P-106	S-106	MATCH EX.	5.92	MATCH EX.	18.0	8"	DIP	6.05	TY 2
P-107	S-107	MATCH EX.	8.11	MATCH EX.	4.0	8"	VCP	0.70	TY 1
P-108	S-108	MATCH EX.	3.78	MATCH EX.	22.0	8"	DIP	9.00	TY 2
P-109	S-109	MATCH EX.	6.64	MATCH EX.	8.0	8"	VCP	2.26	TY 2
P-110	S-110	MATCH EX.	4.00	MATCH EX.	22.0	8"	DIP	19.21	TY 2
P-111	S-111	MATCH EX.	4.56	MATCH EX.	17.0	8"	DIP	8.50	TY 2
P-112	S-112	MATCH EX.	7.64	MATCH EX.	4.0	8"	VCP	0.77	TY 2
P-113	S-113	MATCH EX.	7.05	MATCH EX.	22.0	8"	DIP	6.04	TY 1
P-200	S-200	MATCH EX.	5.98	MATCH EX.	30.0	8"	DIP	10.08	TY 2
P-201	S-201	MATCH EX.	6.00	MATCH EX.	52.0	8"	DIP	17.47	TY 2
P-202	S-202	MATCH EX.	4.33	MATCH EX.	52.0	8"	DIP	18.41	TY 2
P-203	S-203	MATCH EX.	4.42	MATCH EX.	30.0	8"	DIP	10.62	TY 2
P-204	S-204	MATCH EX.	4.55	MATCH EX.	55.0	8"	DIP	19.47	TY 2
P-205	S-205	MATCH EX.	4.30	MATCH EX.	50.0	8"	DIP	17.70	TY 2
P-206	S-206	MATCH EX.	7.69	MATCH EX.	4.0	8"	DIP	0.70	TY 2
P-207	S-207	MATCH EX.	5.66	MATCH EX.	17.0	8"	DIP	5.71	TY 2
P-208	S-208	MATCH EX.	7.92	MATCH EX.	4.0	8"	DIP	0.62	TY 1
P-209	S-209	MATCH EX.	4.21	MATCH EX.	44.0	8"	DIP	15.58	TY 2
P-300	S-300	MATCH EX.	4.05	MATCH EX.	22.0	8"	VCP	19.21	TY 1
P-400	S-400	MATCH EX.	7.76	MATCH EX.	4.0	8"	DIP	0.70	TY 1

VERTICAL CLEARANCE SCHEDULE

PIPE ID	BOTTOM PIPE	T/P ELEV.	TOP PIPE	B/P ELEV.	VERTICAL CLEARANCE (FT)
P-113	SEWER	6.81	GAS	8.05	1.24
P-102	SEWER	4.81	WATER	5.33	0.52
P-104	SEWER	6.61	GAS	8.30	1.69
P-105	SEWER	5.01	ELECTRIC	8.70	3.69
P-105	SEWER	5.01	WATER	5.68	0.67
P-106	SEWER	6.73	GAS	8.42	1.69
P-108	SEWER	4.59	WATER	5.76	1.17
P-110	SEWER	4.81	WATER	5.94	1.13
P-110	SEWER	4.81	ELECTRIC	8.96	4.15
P-111	SEWER	5.37	WATER	6.04	0.67
P-112	SEWER	8.45	TELPHONE	9.85	1.40
P-200	SEWER	6.79	GAS	8.48	1.69
P-201	SEWER	6.81	ELECTRIC	9.00	2.19
P-201	SEWER	6.81	GAS	8.50	1.69
P-201	SEWER	6.81	ELECTRIC	9.00	2.19
P-201	SEWER	6.81	GAS	8.50	1.69
P-202	SEWER	5.14	WATER	5.81	0.67
P-203	SEWER	5.23	WATER	5.90	0.67
P-203	SEWER	5.23	TELEPHONE	9.92	4.69
P-204	SEWER	5.36	ELECTRIC	9.05	3.69
P-204	SEWER	5.36	GAS	8.55	3.19
P-205	SEWER	5.11	WATER	5.78	0.67
P-207	SEWER	6.47	GAS	8.16	1.69
P-209	SEWER	5.02	WATER	5.69	0.67
P-209	SEWER	5.02	TELEPHONE	9.71	4.69



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DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

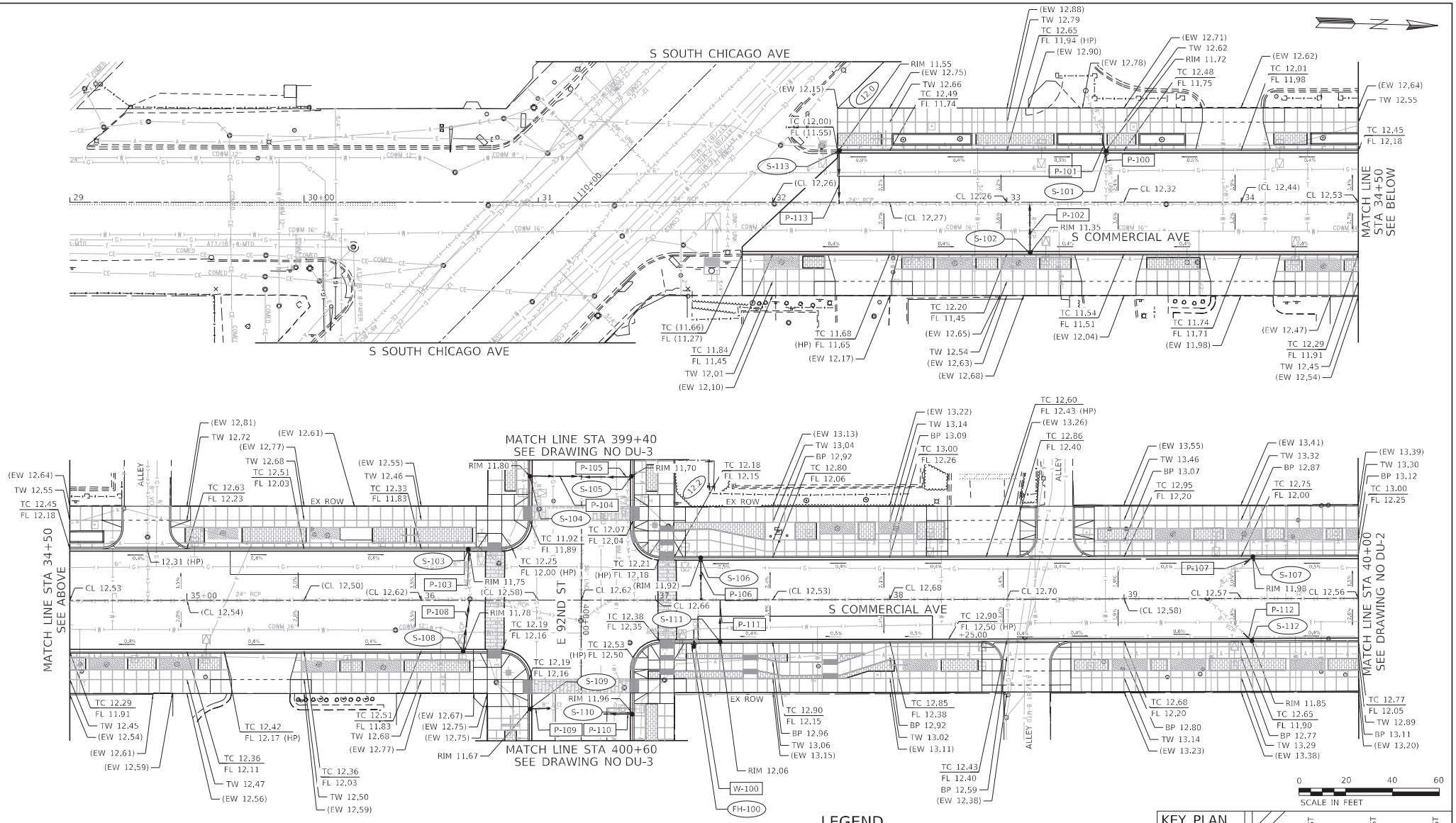
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

GRADING AND DRAINAGE PLANS
SCHEDULE OF QUANTITIES

SCALE: NO SCALE | SHEET DUS-2 OF DUS-2 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. DUS–2
SHEET NO. 81 OF 207



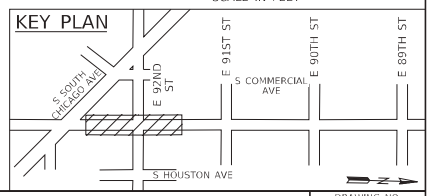
NOTE:

1. REFER TO THE PROPOSED ADA CURB RAMPS SHEETS FOR MORE INFORMATION ON ADA RAMPS.
2. REFER TO THE DRIVEWAY DETAILS FOR MORE INFORMATION ON DRIVEWAYS AND ALLEYS.

LEGEND

(XX.XX) = EXISTING ELEVATION
CL = CENTERLINE
TC = TOP OF CURB
FL = FLOW LINE
EW = EDGE OF SIDEWALK
BP = BIKE PATH
TW = SIDEWALK
RIM = RIM ELEVATION

(XX.X) ORDINACE GRADE



DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

GRADING AND DRAINAGE PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET DU-1 OF DU-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. DU-1
SHEET NO. 82 OF 207

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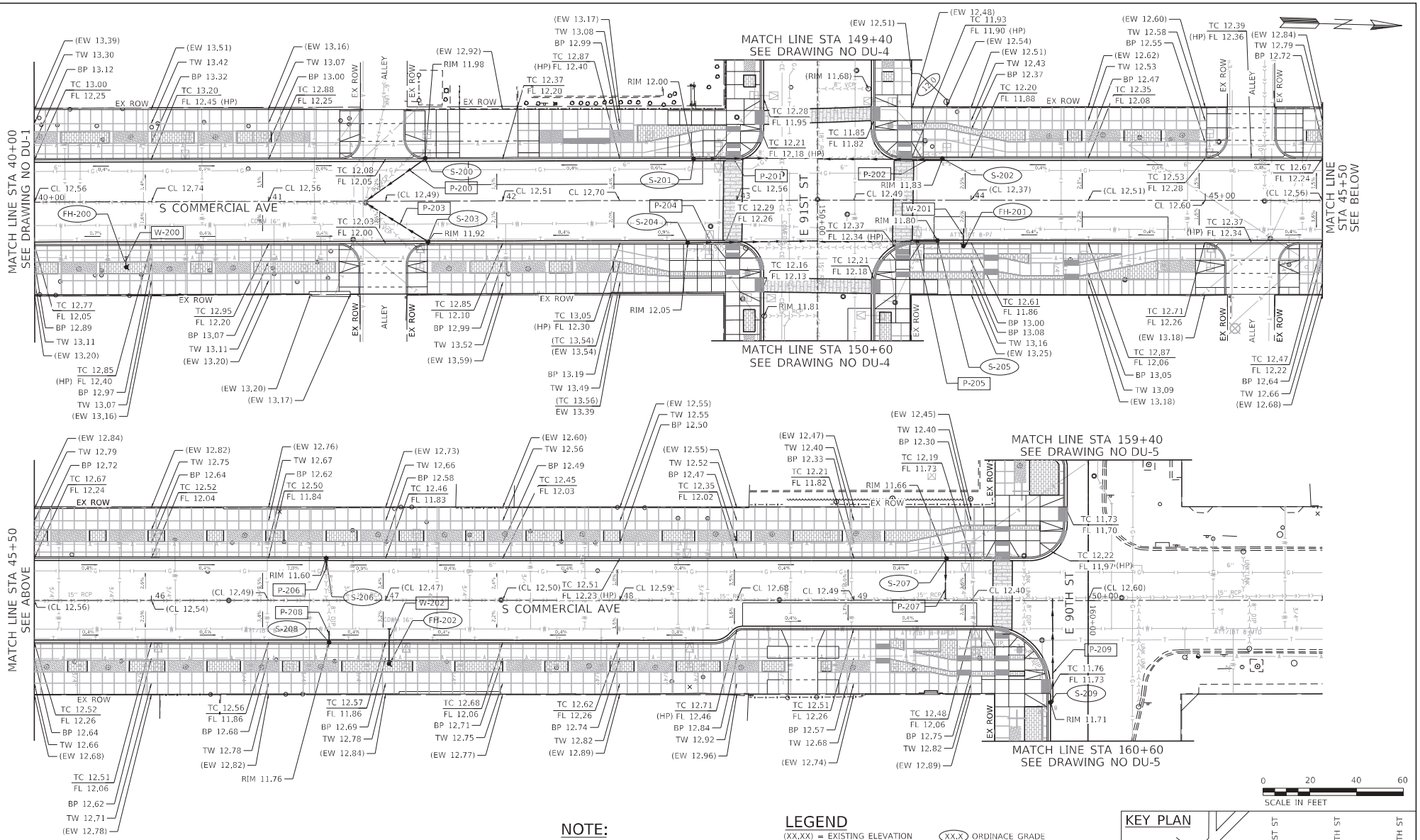
PLOT DATE = 8/12/2022



NOTE:

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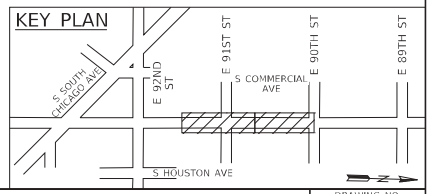
BP = BIKE PATH
TW = SIDEWALK
RIM = RIM ELEVATION
(XX.X) ORDINACE GRADE

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

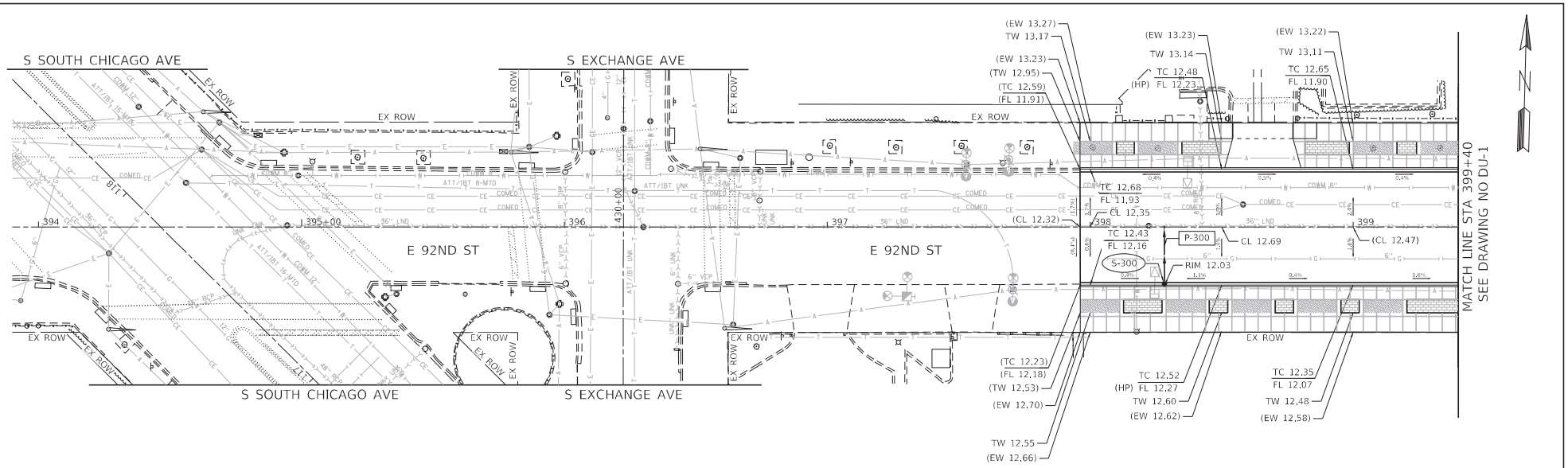
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

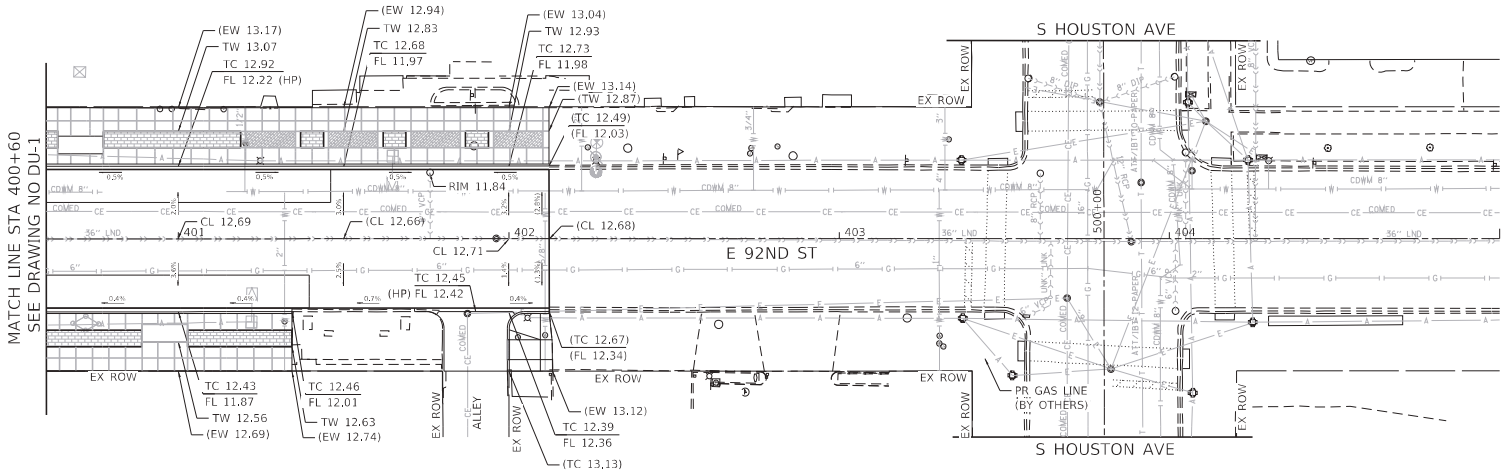
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

GRADING AND DRAINAGE PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET DU-2 OF DU-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **DU-2**
SHEET NO. 83 OF 207





0 20 40 60
SCALE IN FEET

NOTE:

1. REFER TO THE PROPOSED ADA CURB RAMPS SHEETS FOR MORE INFORMATION ON ADA RAMPS.
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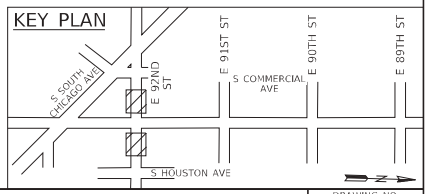
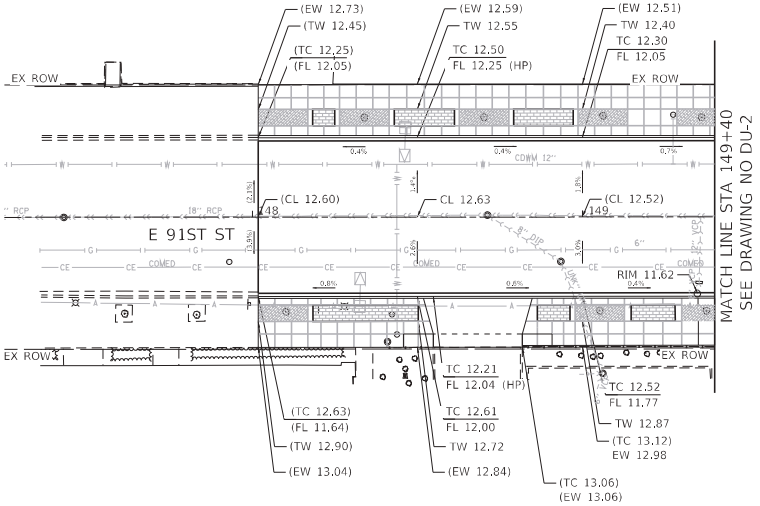
RIM = RIM ELEVATION

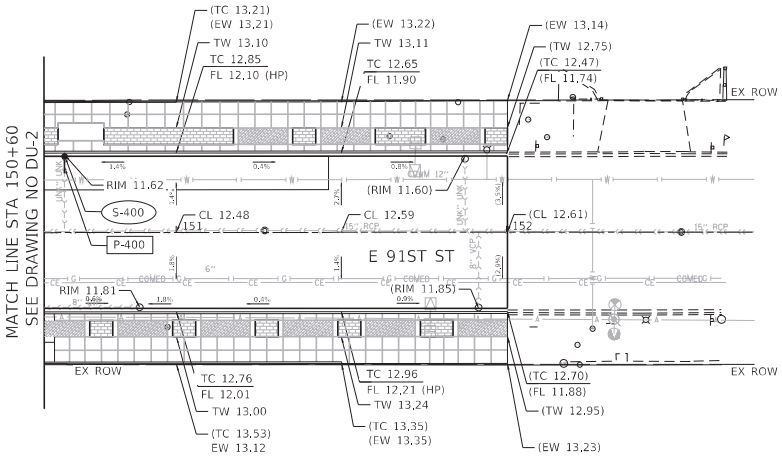
KEY PLAN



DESIGNED - H. MAJEED				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	GRADING AND DRAINAGE PLANS E 92ND ST	DRAWING NO. DU–3
DRAWN - H. MAJEED				Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1				
CHECKED - M. ALSHARBINI								SHEET NO. 84 OF 207
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION			SCALE: 1" = 20'	SHEET DU-3 OF DU-5 SHEETS PROJECT NO. S-0-447 CONTRACT NO. 32250	

PLOT DATE = 8/12/2022





NOTE:

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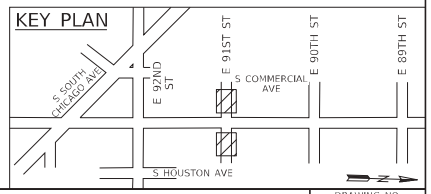
RIM = RIM ELEVATION

0 20 40 60
SCALE IN FEET



DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

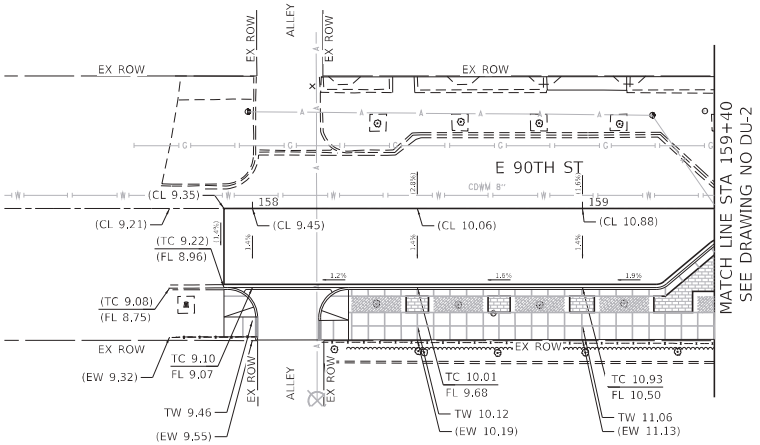
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

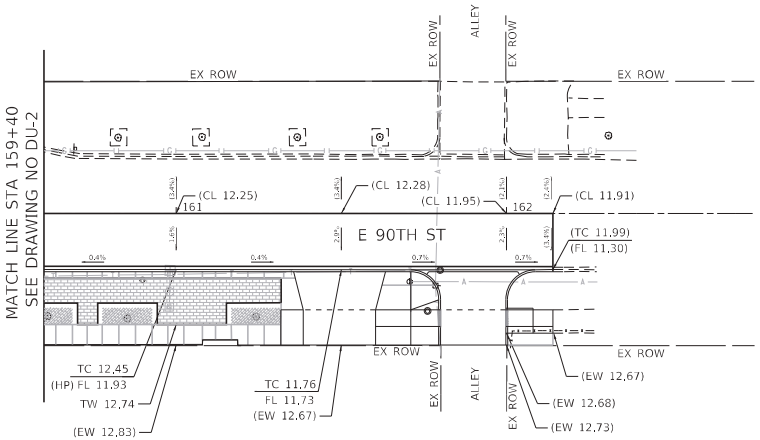
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

GRADING AND DRAINAGE PLANS
E 91ST ST

SCALE: 1" = 20' | SHEET DU-4 OF DU-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **DU-4**
SHEET NO. 85 OF 207





0 20 40 60
SCALE IN FEET

NOTE:

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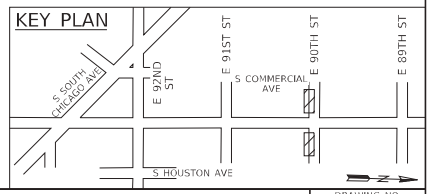
TW = SIDEWALK
RIM = RIM ELEVATION

XX.X ORDINACE GRADE

KEY PLAN



DESIGNED - H. MAJEED			
DRAWN - H. MAJEED			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

GRADING AND DRAINAGE PLANS
E 90TH ST

SCALE: 1" = 20' | SHEET DU-5 OF DU-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. DU-5
SHEET NO. 86 OF 207

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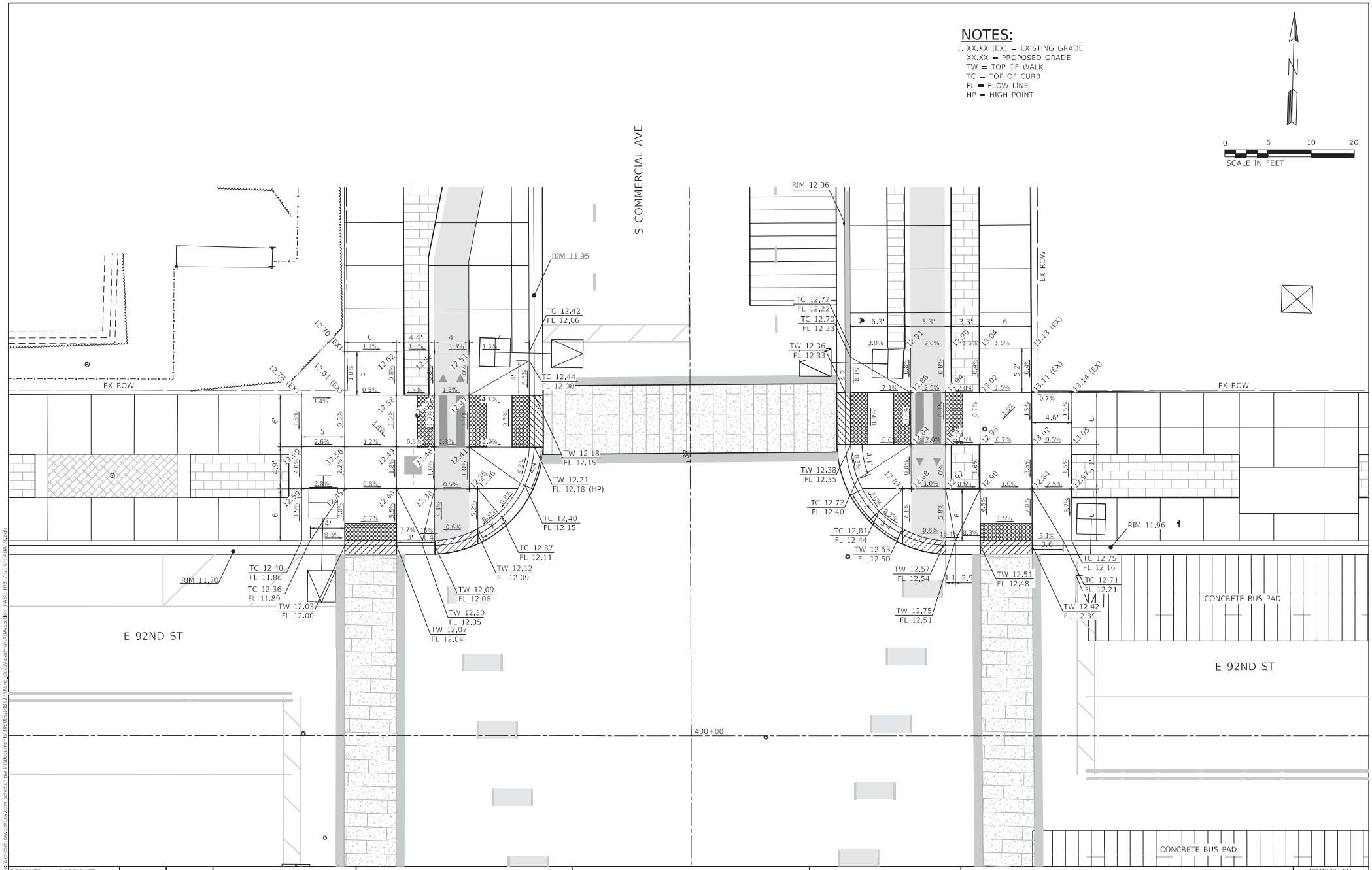
PLOT DATE = 8/12/2022



DESIGNED - A. RODRIGUEZ				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

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S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

PROPOSED ADA CURB RAMPS
E 92ND ST – NORTH

SCALE: 1" = 5' | SHEET ADA-1 OF ADA-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **ADA-1**
SHEET NO. 87 OF 207

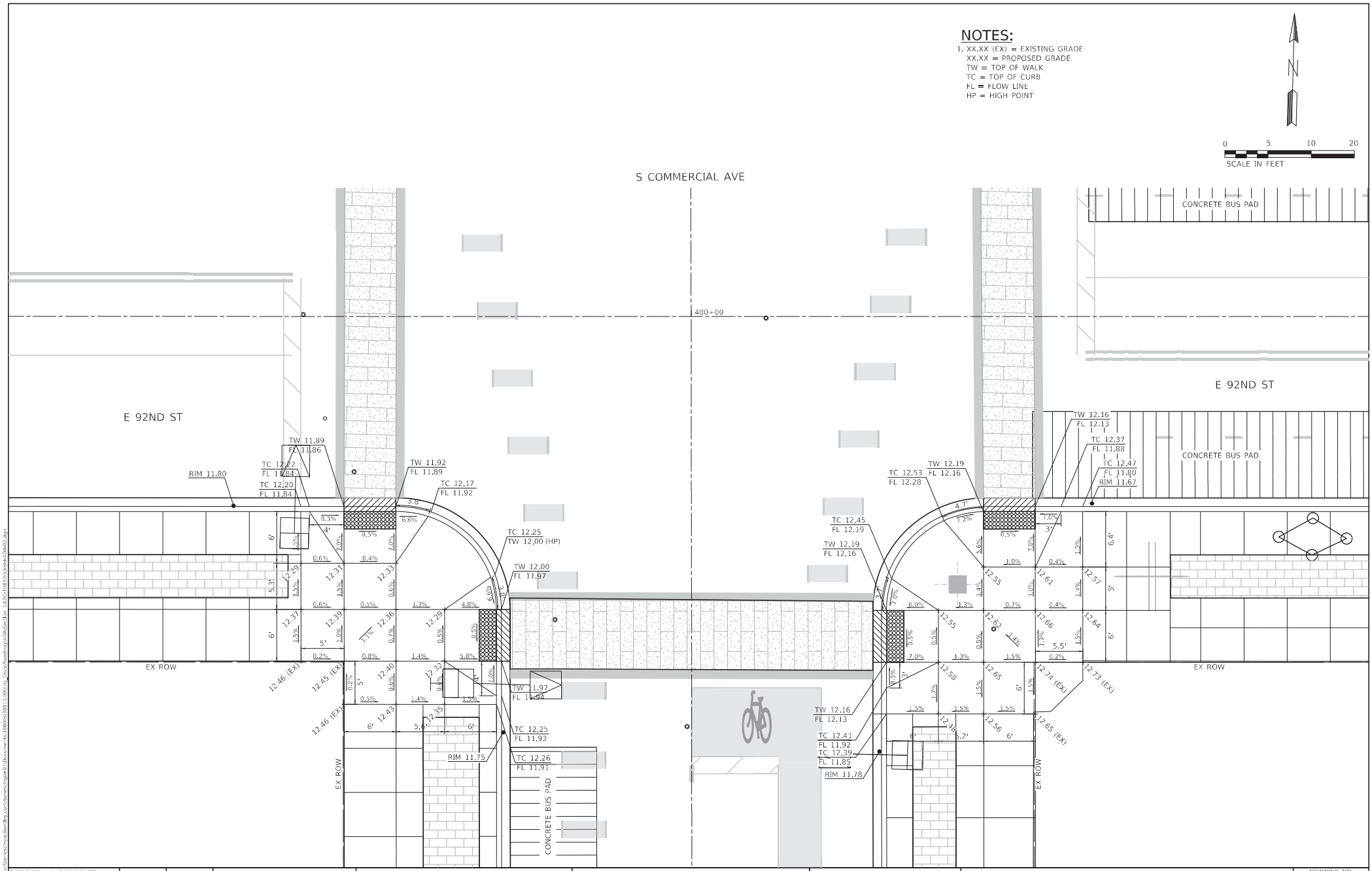
PLOT DATE = 8/12/2022

NOTES:

1. XX.XX (EX) = EXISTING GRADE
   XX.XX = PROPOSED GRADE
   TW = TOP OF WALK
   TC = TOP OF CURB
   FL = FLOW LINE
   HP = HIGH POINT

N

0 5 10 20
SCALE IN FEET



DESIGNED - A. RODRIGUEZ				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE = 8/12/2022

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DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

PROPOSED ADA CURB RAMPS
E 92ND ST – SOUTH

SCALE: 1" = 5' | SHEET ADA-2 OF ADA-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

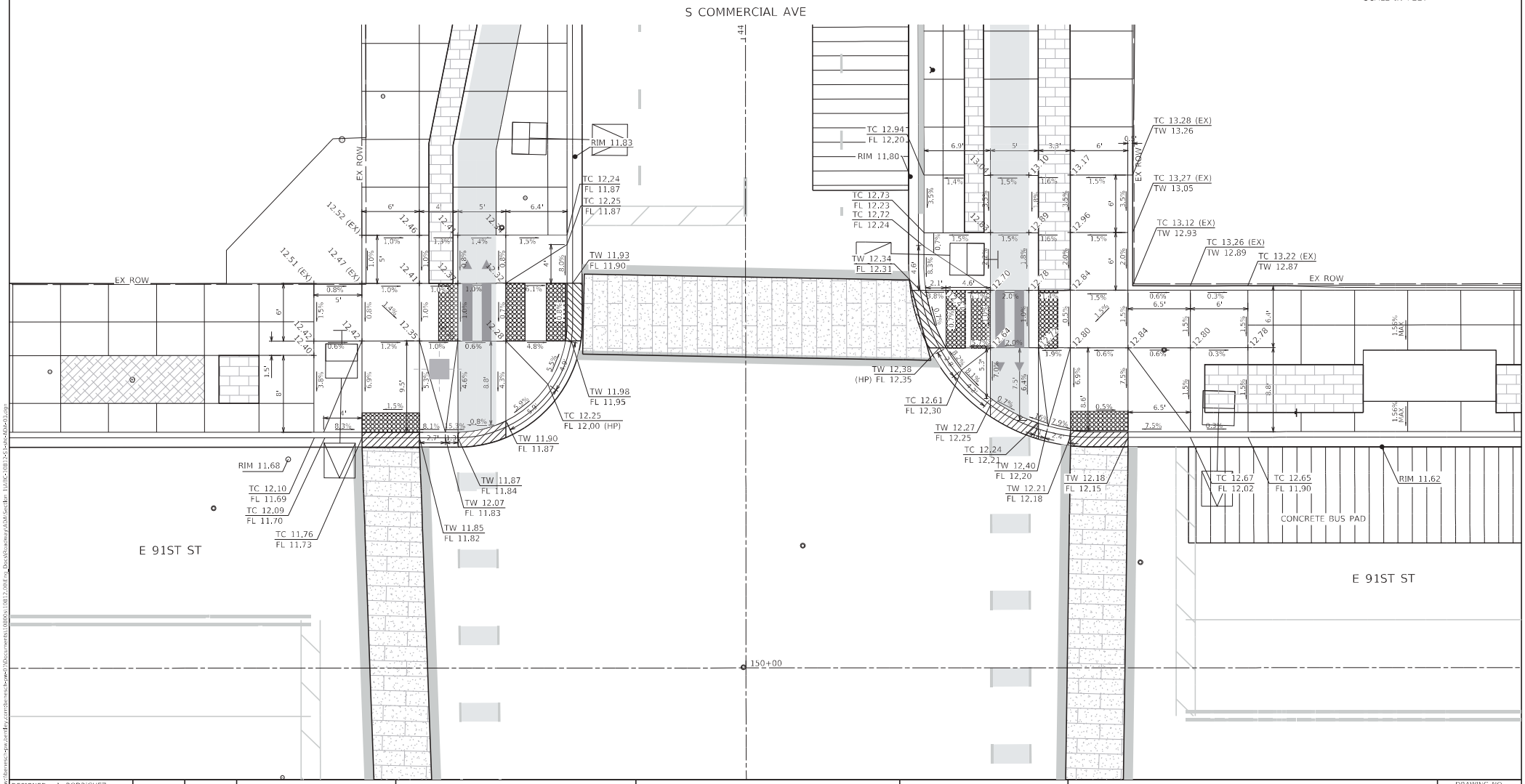
DRAWING NO.
ADA-2
SHEET NO.
88 OF 207

NOTES:

1. XX.XX (EX) = EXISTING GRADE
   XX.XX = PROPOSED GRADE
   TW = TOP OF WALK
   TC = TOP OF CURB
   FL = FLOW LINE
   HP = HIGH POINT

N

0 5 10 20
SCALE IN FEET



DESIGNED - A. RODRIGUEZ				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE = 8/12/2022

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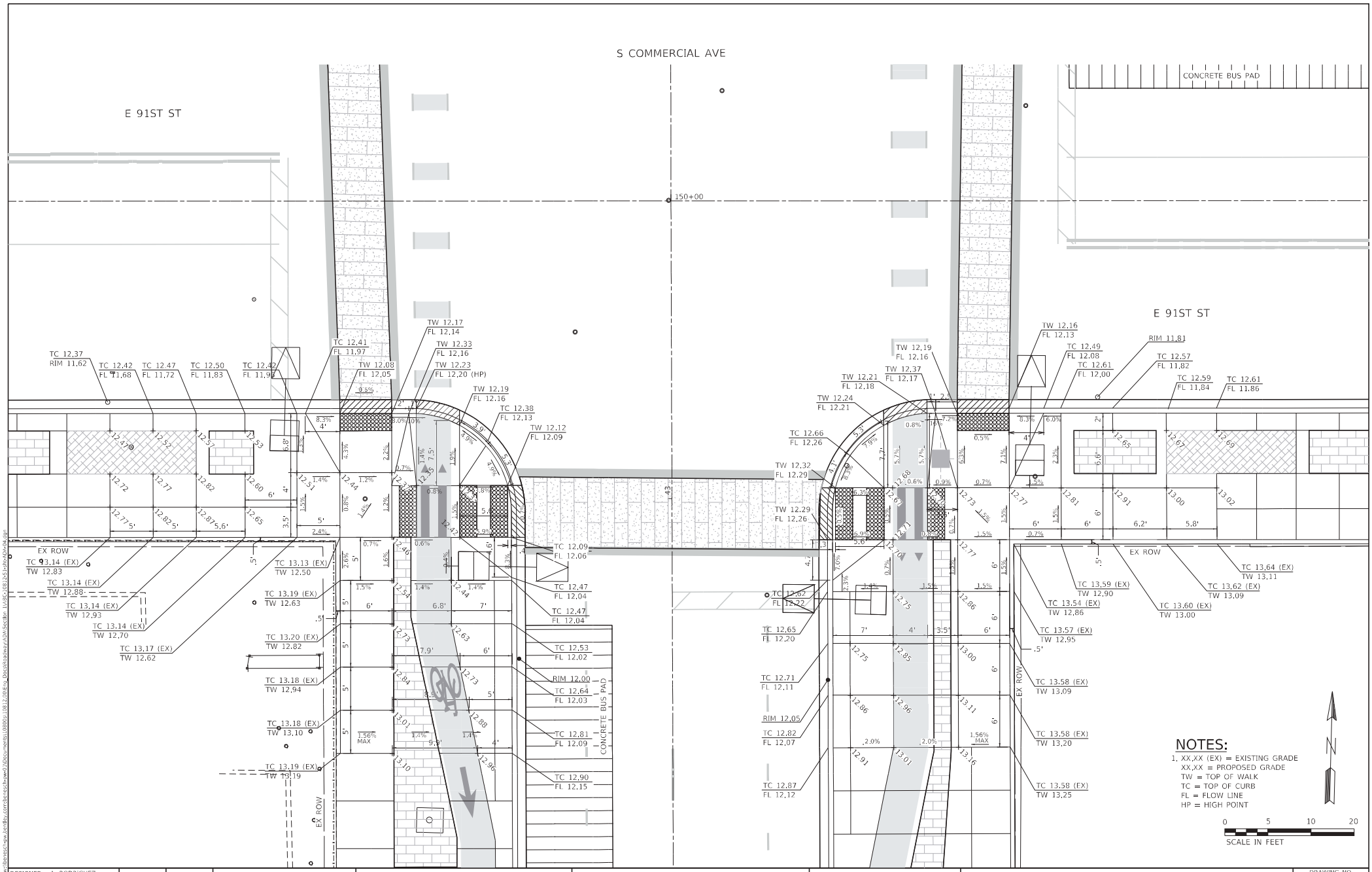
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

PROPOSED ADA CURB RAMPS
E 91ST ST – NORTH

SCALE: 1" = 5'	SHEET ADA-3 OF ADA-5 SHEETS	PROJECT NO. S-0-447	CONTRACT NO. 32250

DRAWING NO. **ADA–3**
SHEET NO. 89 OF 207



DESIGNED - A. RODRIGUEZ				benesch Alfred Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	PROPOSED ADA CURB RAMPS E 91ST ST – SOUTH
DRAWN - J. WORTHINGTON							SCALE: 1" = 5' / SHEET ADA-4 OF ADA-5 SHEETS / PROJECT NO. S-0-447 / CONTRACT NO. 32250
CHECKED - M. ALSHARBINI							DRAWING NO. ADA–4
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SHEET NO. 90 OF 207

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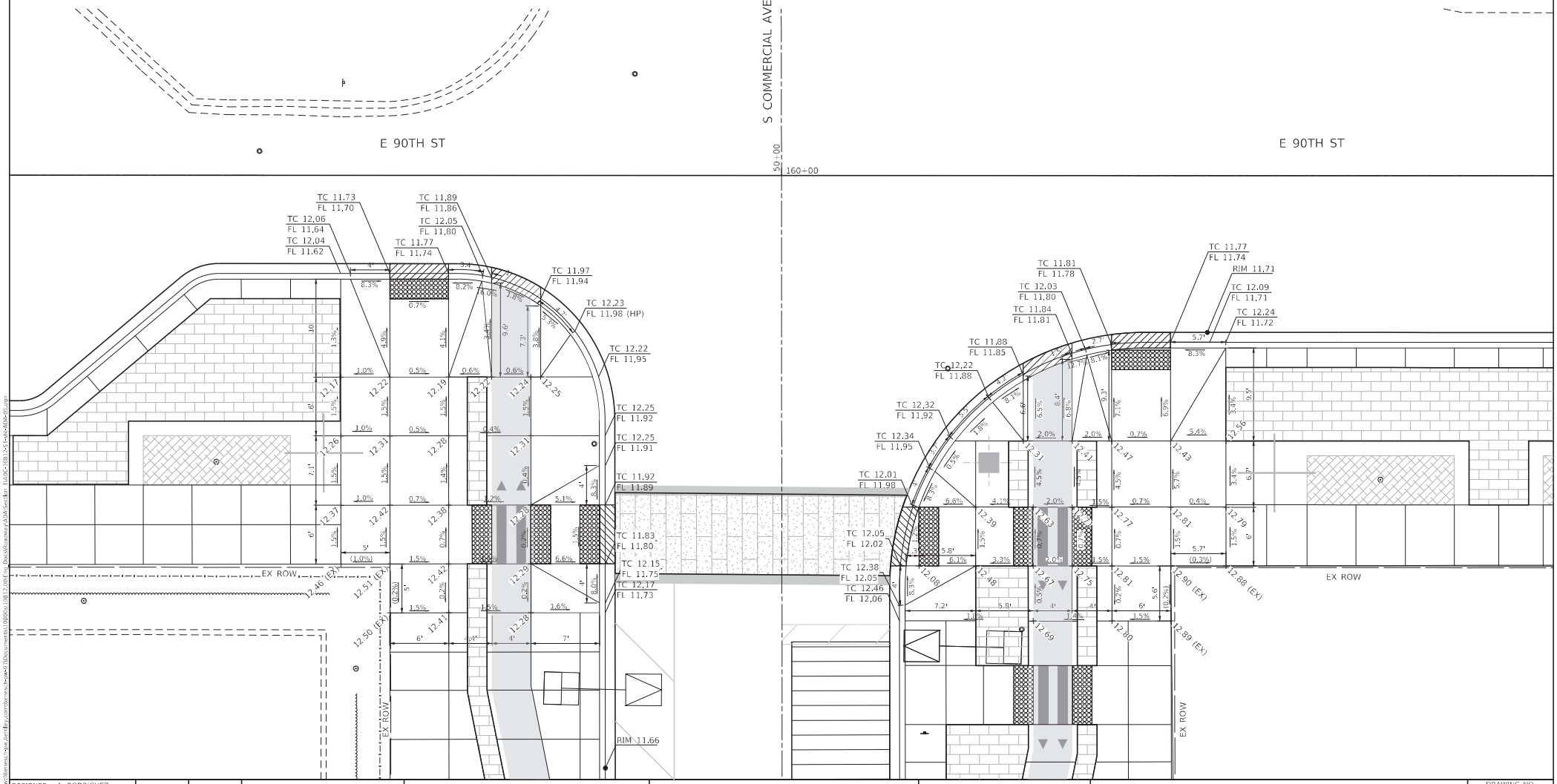
PLOT DATE= 8/12/2022

NOTES:

1. XX.XX (EX) = EXISTING GRADE
   XX.XX = PROPOSED GRADE
   TW = TOP OF WALK
   TC = TOP OF CURB
   FL = FLOW LINE
   HP = HIGH POINT

N

0 5 10 20
SCALE IN FEET



DESIGNED - A. RODRIGUEZ				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE = 8/12/2022

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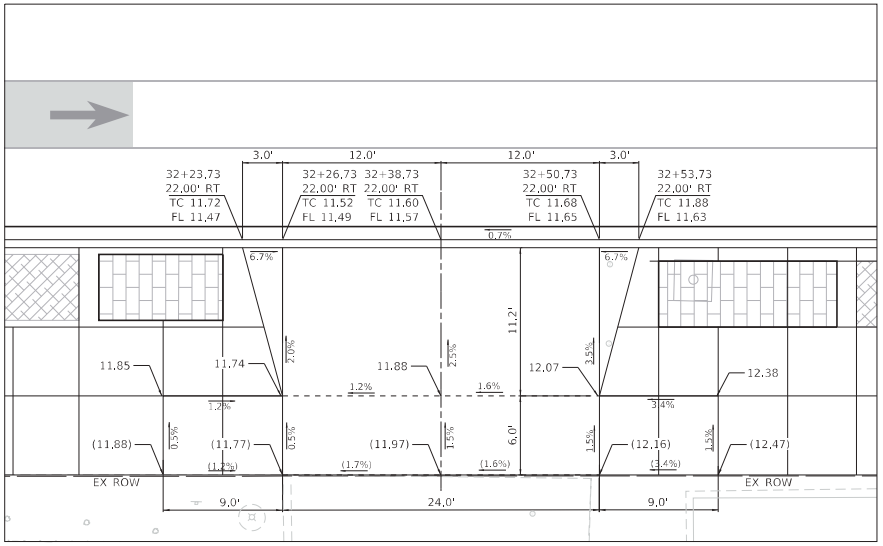
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

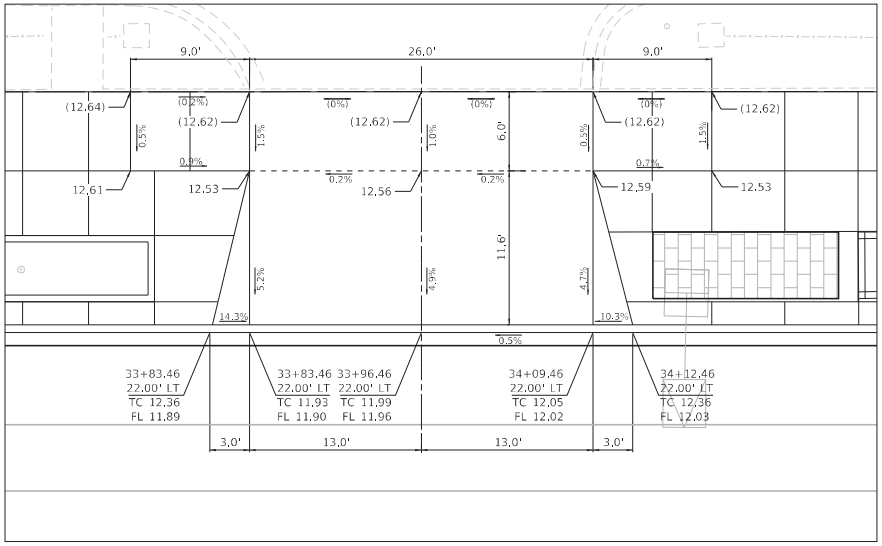
PROPOSED ADA CURB RAMPS
E 90TH ST – SOUTH

SCALE: 1" = 5' | SHEET ADA-5 OF ADA-5 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

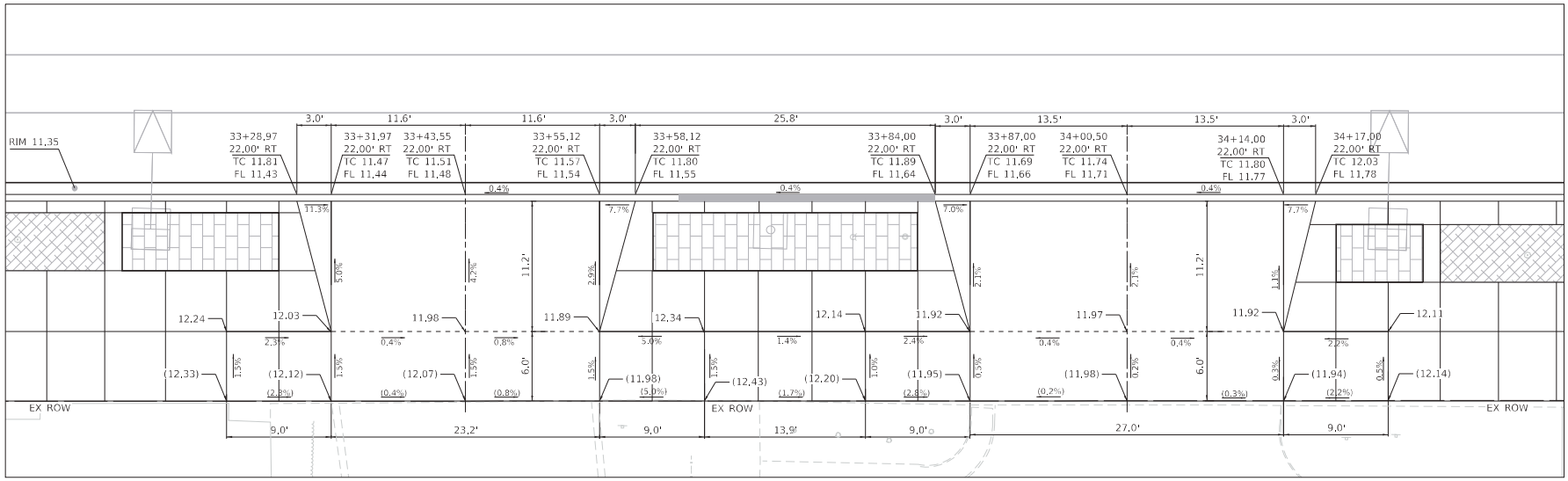
DRAWING NO.
ADA–5
SHEET NO.
91 OF 207



DRIVEWAY CL
STA 32+38.73
S COMMERCIAL AVE



DRIVEWAY CL
STA 33+96.46
S COMMERCIAL AVE



DRIVEWAY CL STA 33+43.55
S COMMERCIAL AVE

DRIVEWAY CL STA 34+00.50
S COMMERCIAL AVE

0 5 10 15
SCALE IN FEET

DESIGNED - I. SALVADOR			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

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312-565-0450
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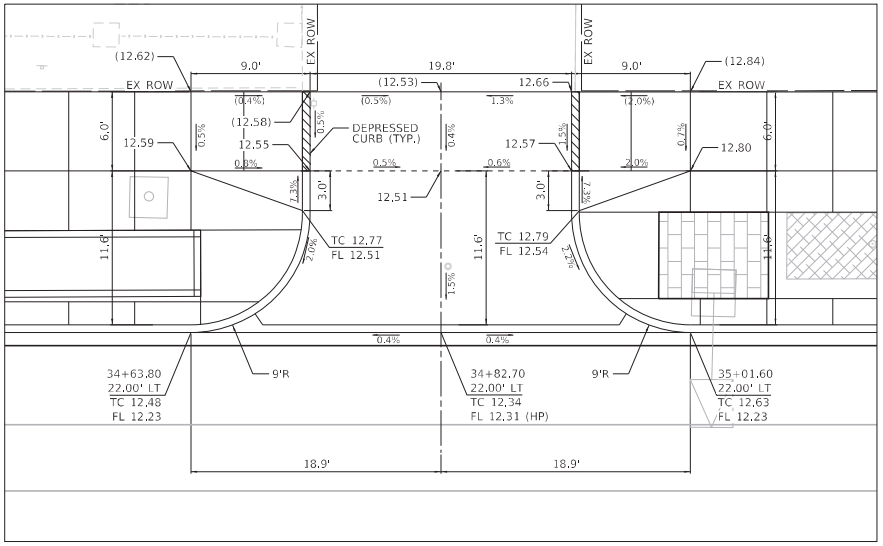
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

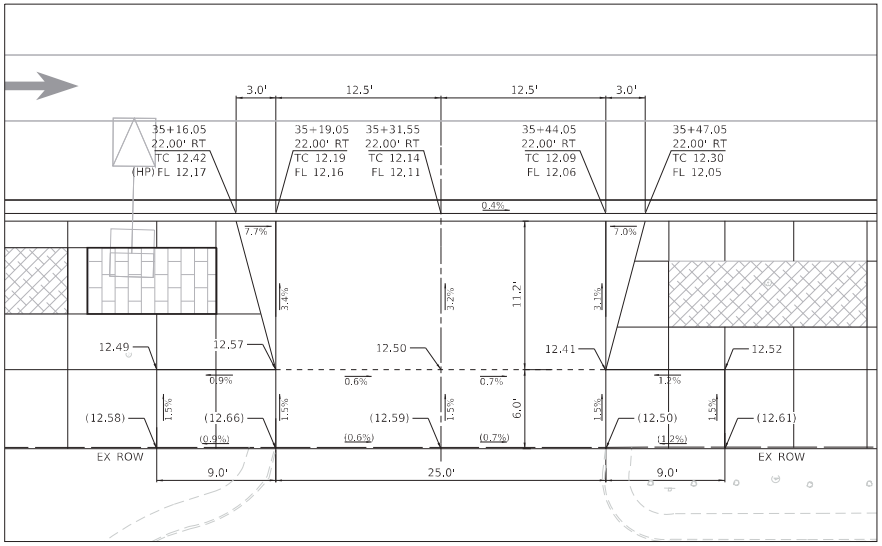
DRIVEWAY DETAILS
S COMMERCIAL AVE

SCALE: 1" = 5' | SHEET DD-1 OF DD-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

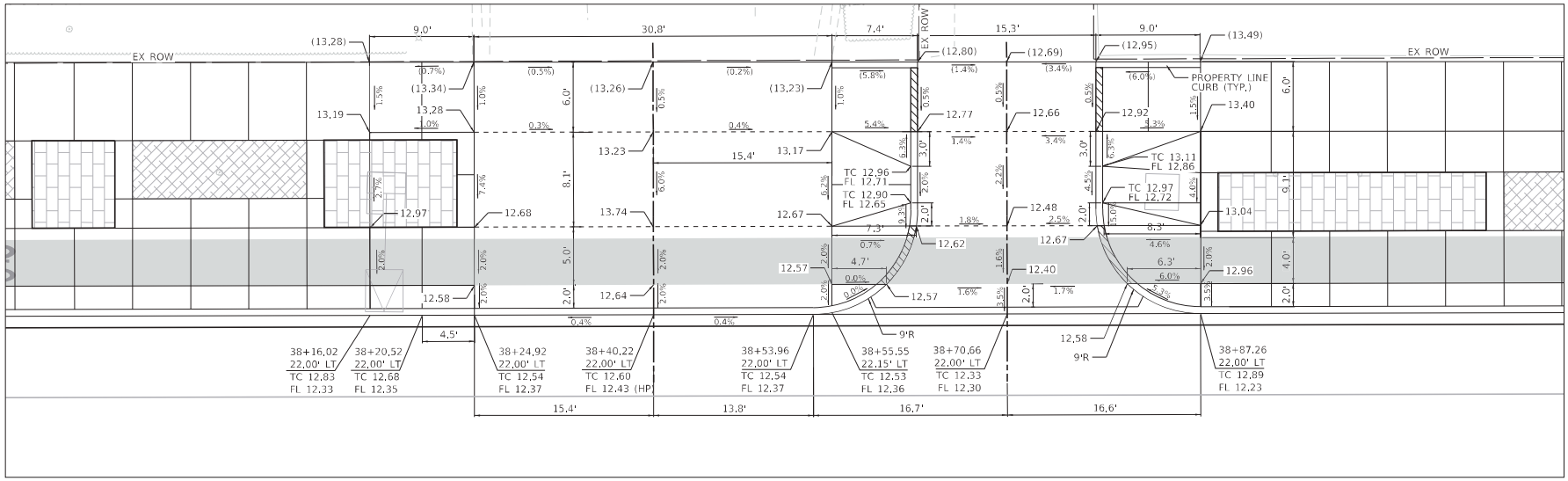
DRAWING NO.
DD-1
SHEET NO.
92 OF 207



ALLEY CL
STA 34+82.70
S COMMERCIAL AVE



DRIVEWAY CL
STA 35+31.55
S COMMERCIAL AVE



DRIVEWAY CL STA 38+40.22
S COMMERCIAL AVE

ALLEY CL STA 38+70.66
S COMMERCIAL AVE

0 5 10 15
SCALE IN FEET

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DESIGNED - I. SALVADOR				benesch	Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1
DRAWN - J. WORTHINGTON					
CHECKED - M. ALSHARBINI					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

PLOT DATE = 8/12/2022

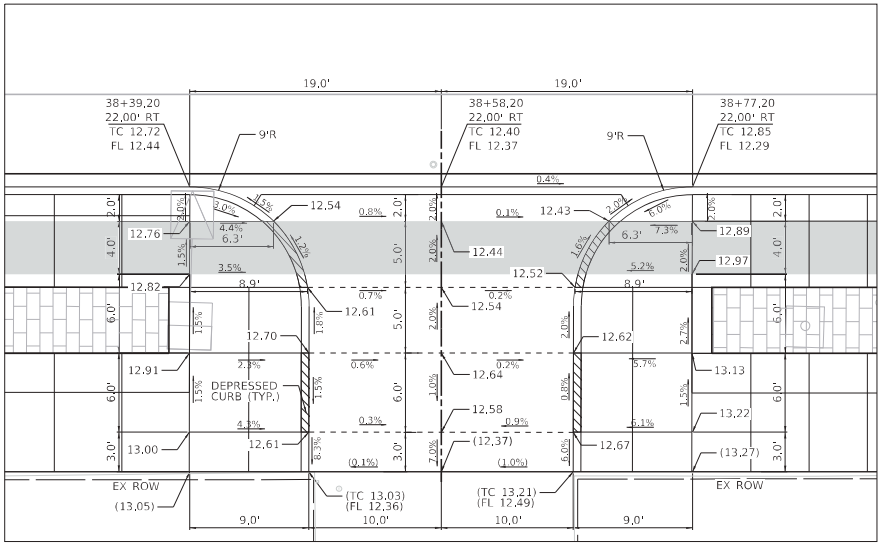
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

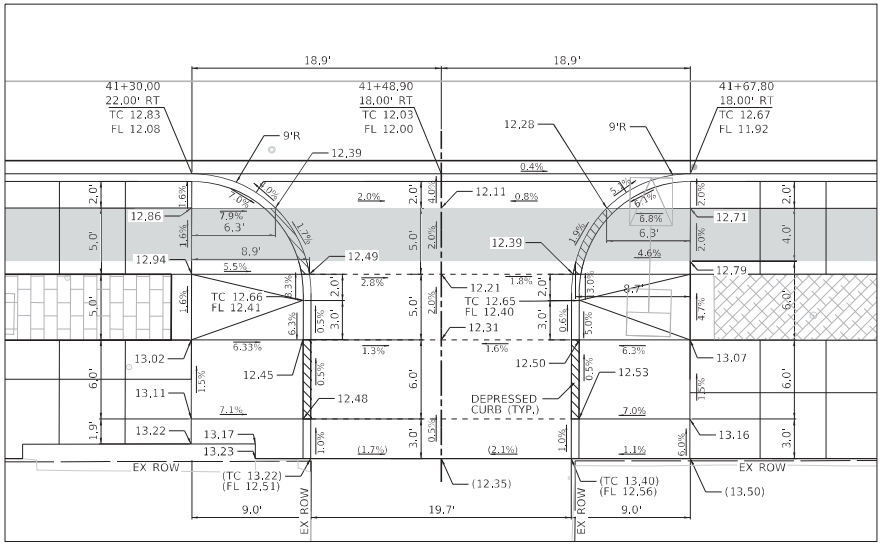
DRIVEWAY DETAILS
S COMMERCIAL AVE

SCALE: 1" = 5' | SHEET DD-2 OF DD-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

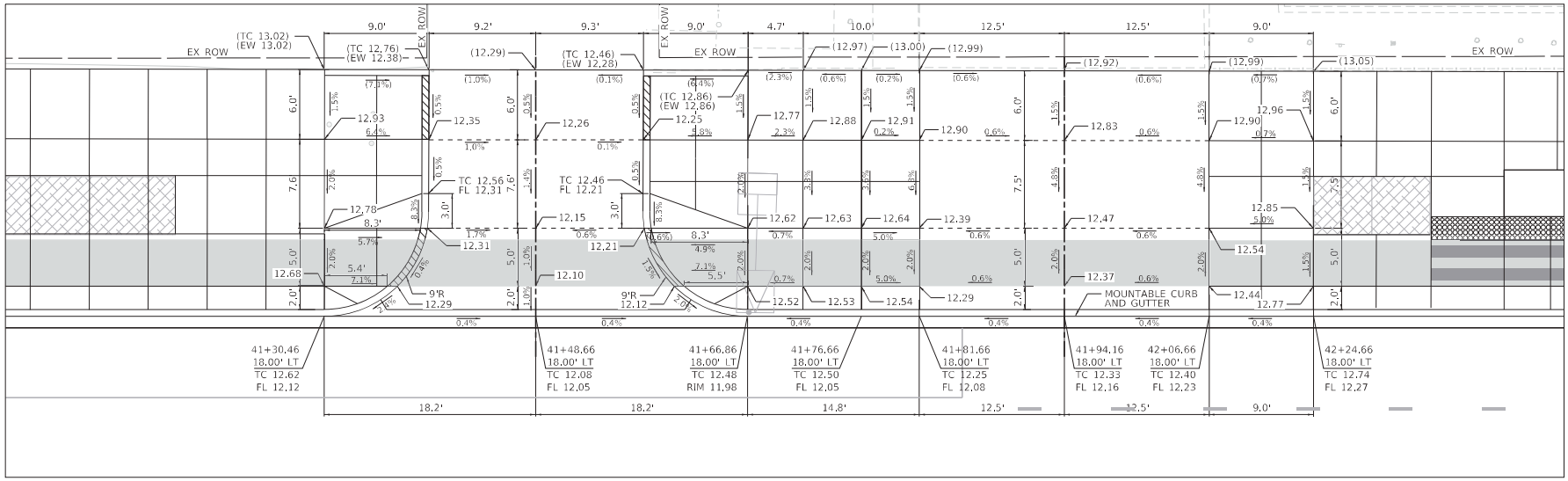
DRAWING NO.
DD–2
SHEET NO.
93 OF 207



ALLEY CL
STA 38+58.20
S COMMERCIAL AVE



ALLEY CL
STA 41+48.90
S COMMERCIAL AVE



ALLEY CL STA 41+48.66
S COMMERCIAL AVE

DRIVEWAY CL STA 41+94.16
S COMMERCIAL AVE

0 5 10 15
SCALE IN FEET

DESIGNED - I. SALVADOR				CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - J. WORTHINGTON					
CHECKED - M. ALSHARBINI					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

DRIVEWAY DETAILS S COMMERCIAL AVE				DRAWING NO. DD–3
SCALE: 1" = 5'	SHEET DD-3 OF DD-6 SHEETS	PROJECT NO. S-0-447	CONTRACT NO. 32250	SHEET NO. 94 OF 207

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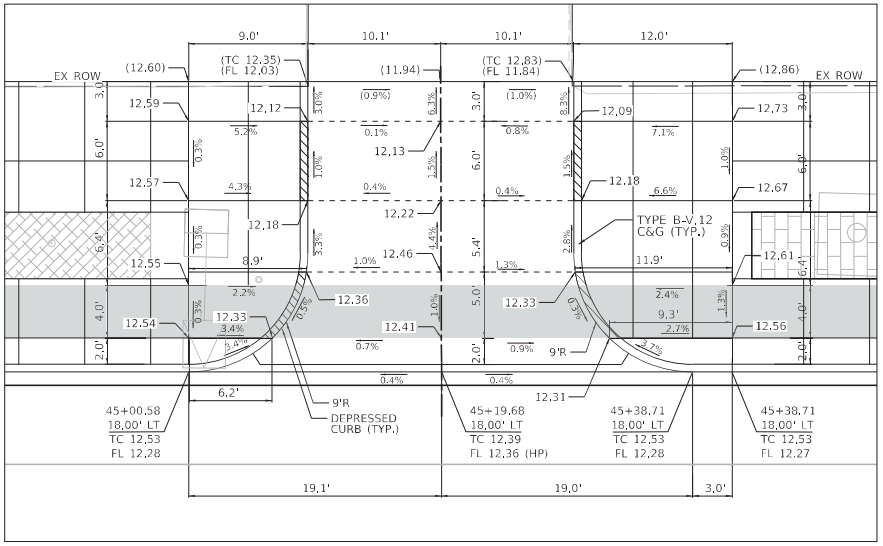
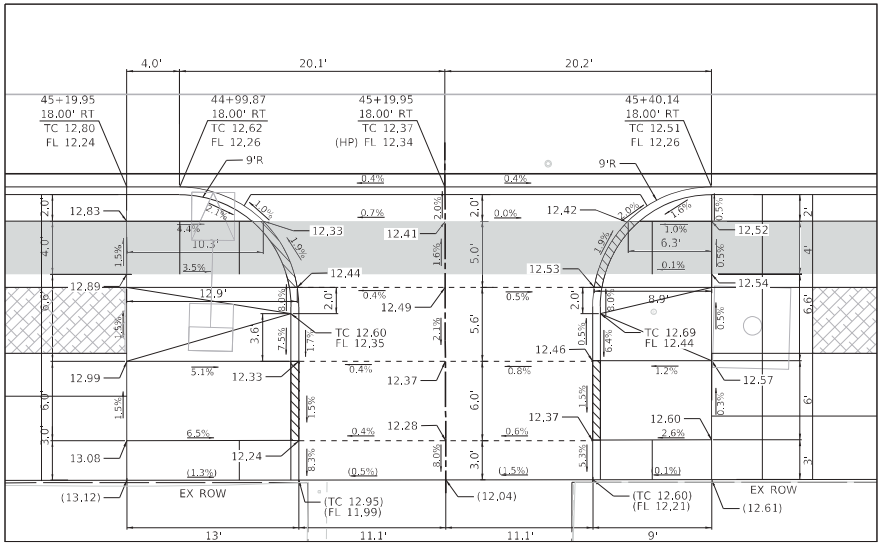
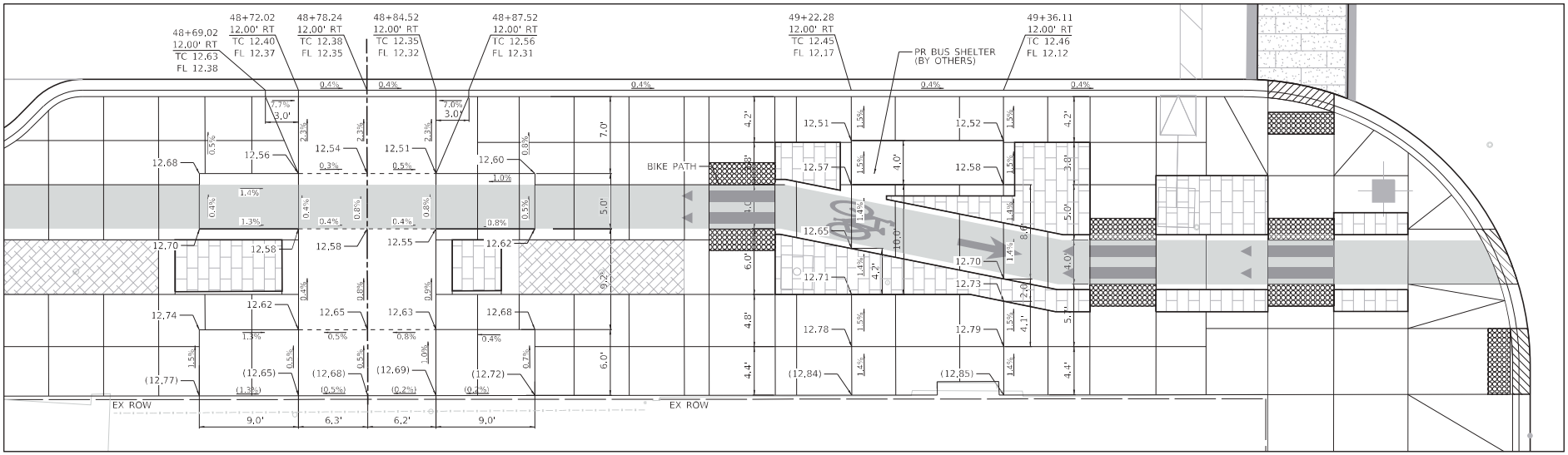
PLOT DATE = 8/12/2022



ALLEY CL
STA 45+16.64
S COMMERCIAL AVE



ALLEY CL
STA 45+20.01
S COMMERCIAL AVE



DRIVEWAY CL STA 48+78.27
S COMMERCIAL AVE

0 5 10 15
SCALE IN FEET

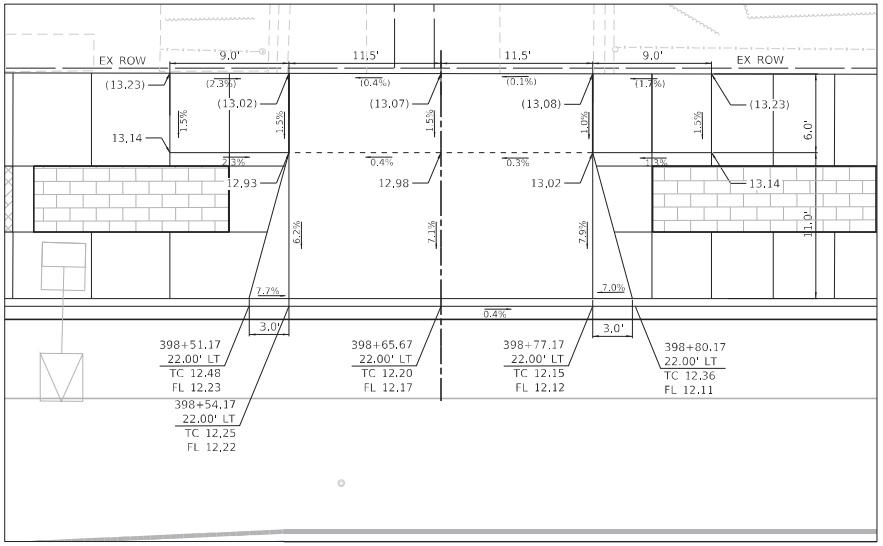
DESIGNED - I. SALVADOR			benesch Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN - J. WORTHINGTON					
CHECKED - M. ALSHARBINI					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

DRIVEWAY DETAILS
S COMMERCIAL AVE

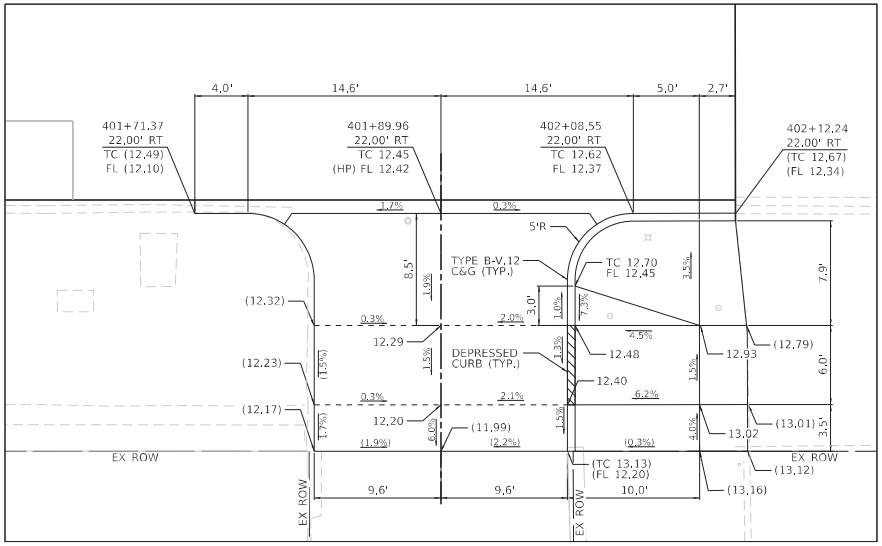
SCALE: 1" = 5' | SHEET DD-4 OF DD-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. DD-4
SHEET NO. 95 OF 207

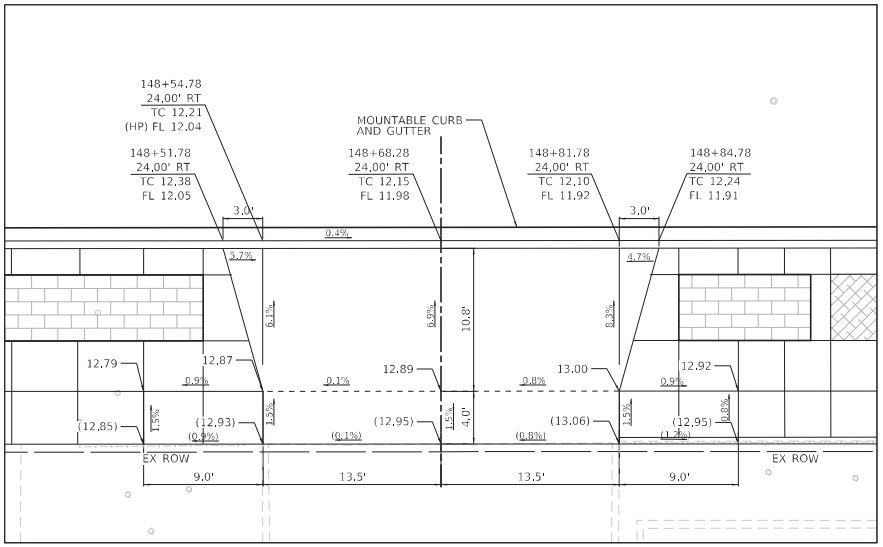
MODEL: Default
PLOT DATE = 8/12/2022



DRIVEWAY CL
STA 398+65.67
E 92ND ST



ALLEY CL
STA 401+89.96
E 92ND ST



DRIVEWAY CL STA 148+68.28
E 91ST ST

0 5 10 15
SCALE IN FEET

DESIGNED - I. SALVADOR				benesch Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	DRIVEWAY DETAILS E 92ND ST & E 91ST
DRAWN - J. WORTHINGTON							SCALE: 1" = 5'
CHECKED - M. ALSHARBINI							SHEET DD-5 OF DD-6 SHEETS
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				PROJECT NO. S-0-447
PLOT DATE= 8/12/2022							CONTRACT NO. 32250

DRAWING NO. DD-5
SHEET NO. 96 OF 207

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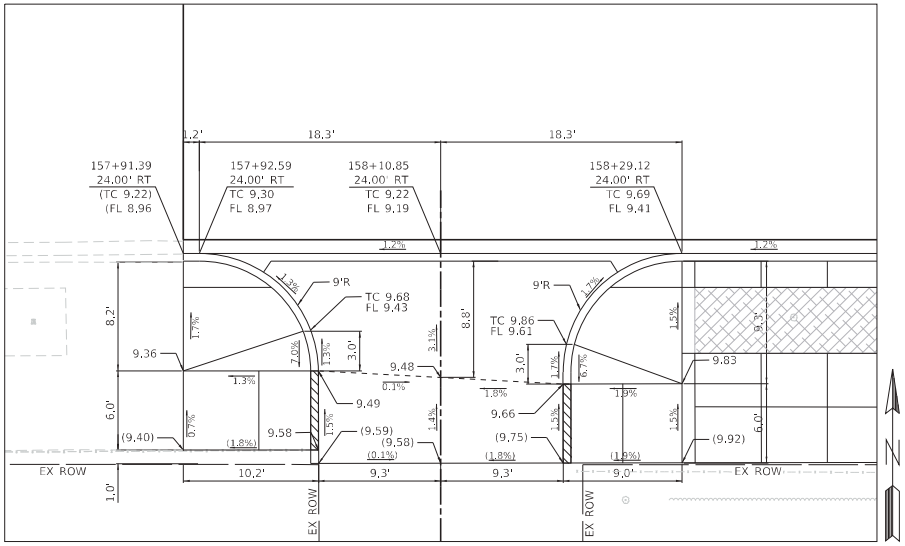
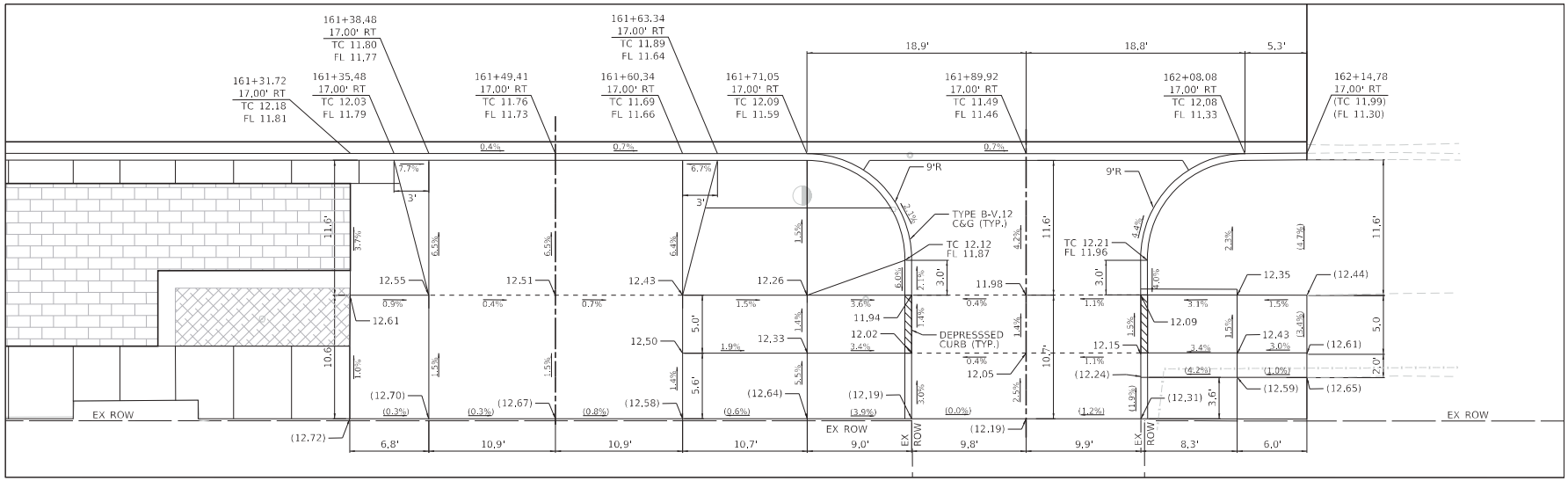


ALLEY CL
STA 158+10.85
E 90TH ST



DRIVEWAY CL STA 161+49.41
E 90TH ST

ALLEY CL STA 161+89.92
E 90TH ST

SCALE IN FEET
0 5 10 15

DESIGNED - I. SALVADOR				benesch Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	DRIVEWAY DETAILS E 90TH ST
DRAWN - J. WORTHINGTON							SCALE: 1" = 5' / SHEET DD-6 OF DD-6 SHEETS / PROJECT NO. S-0-447 / CONTRACT NO. 32250
CHECKED - M. ALSHARBINI							DRAWING NO. DD–6
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SHEET NO. 97 OF 207

PLOT DATE = 8/12/2022

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
VSR-1	INDEX OF SHEETS, GENERAL NOTES & BOM
VSR-2	GENERAL PLAN (1 of 3)
VSR-3	GENERAL PLAN (2 of 3)
VSR-4	GENERAL PLAN (3 of 3)
VSR-5	EXISTING PLANS (1 of 2)
VSR-6	EXISTING PLANS (2 of 2)

GENERAL NOTES

1. EXACT LIMITS OF ALL EXISTING VAULTS SHALL BE FIELD VERIFIED BY CONTRACTOR PRIOR TO DEMOLITION OF VAULTED SIDEWALKS. LIMITS SHOWN ON PLANS WERE DETERMINED FROM EXISTING PLANS SHOWN AND VISUAL CONFIRMATION. EXISTING VAULTED SIDEWALKS OVER OPEN VAULTS SHALL NOT BE REMOVED WITHOUT ADEQUATELY BRACING THE VAULT WALLS AGAINST LATERAL EARTH AND LIVE LOADS DURING CONSTRUCTION. REMOVAL OF EXISTING VAULTED SIDEWALKS AND BRACING OF THE VAULT WALLS SHALL BE PAID FOR AS "ALLOWANCE FOR SIDEWALK REMOVAL AND FILLING."

2. SEE ROADWAY REMOVAL PLANS FOR FULL SIDEWALK AND PAVEMENT REMOVAL LIMITS.

3. PROPOSED SIDEWALKS WILL BE ON GRADE. IF EXISTING VAULTS ARE OPEN, THEY SHALL BE FILLED WITH CONTROLLED LOW-STRENGTH MATERIALS ACCORDING TO STANDARD SPECIFICATION SECTION 593.

ABBREVIATIONS

P.G.L.	PROFILE GRADE LINE
N.B.	NORTHBOUND
S.B.	SOUTHBOUND
F.F.	FRONT FACE
B.F.	BACK FACE
P.J.F.	PREFORMED JOINT FILLER
Prop.	PROPOSED
Exist.	EXISTING
R.O.W.	RIGHT OF WAY
Shld	SHOULDER
Sta.	STATION
Jt.	JOINT
Const.	CONSTRUCTION
Off.	OFFSET
RT.	RIGHT
LT.	LEFT

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
ALLOWANCE FOR SIDEWALK REMOVAL AND FILLING	EACH	3	-	3

DESIGNED - WKK			
DRAWN - WKK			
CHECKED - KIN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS
INDEX OF SHEETS, GENERAL NOTES & BOM

SCALE: | SHEET VSR-1 OF VSR-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. VSR-1
SHEET NO. 98 OF 207

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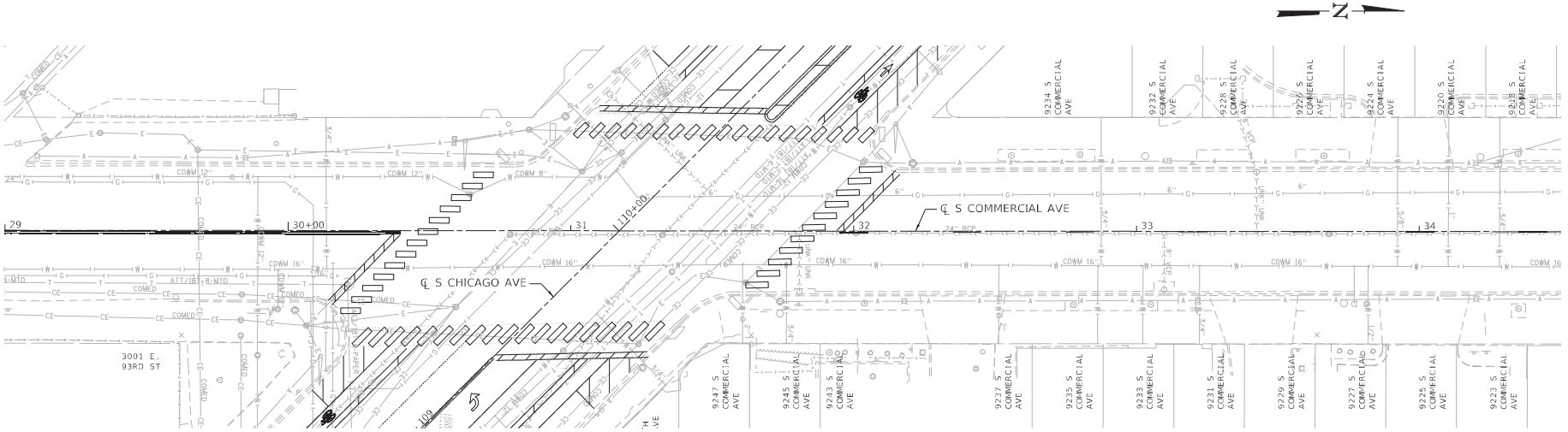
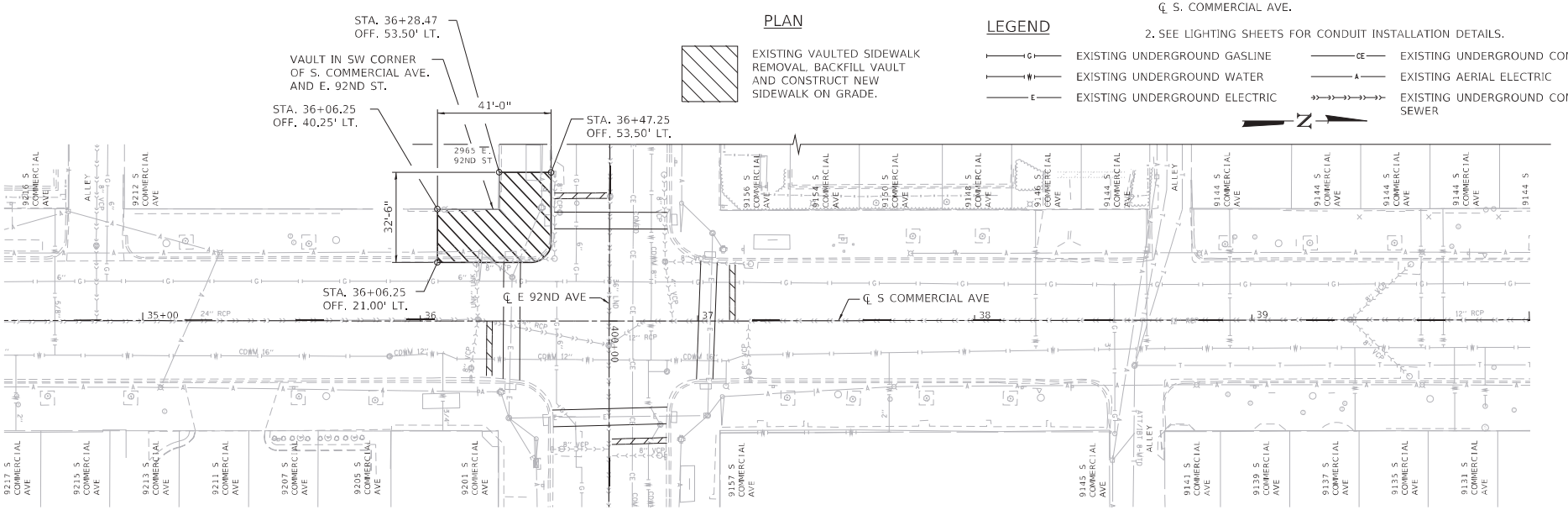


PLAN



PLAN

EXISTING VAULTED SIDEWALK REMOVAL, BACKFILL VAULT AND CONSTRUCT NEW SIDEWALK ON GRADE.

LEGEND

- EXISTING UNDERGROUND GASLINE
- EXISTING UNDERGROUND WATER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND COMED
- EXISTING AERIAL ELECTRIC
- EXISTING UNDERGROUND COMBINED SEWER

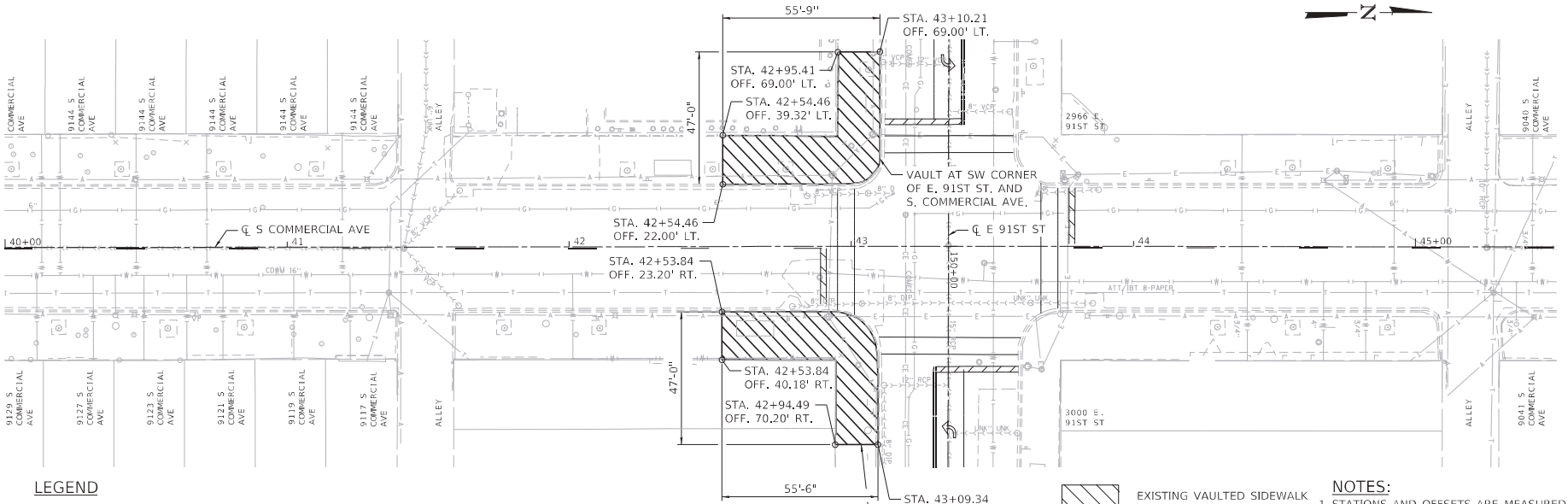
NOTES:

1. STATIONS AND OFFSETS ARE MEASURED FROM THE ℄ S. COMMERCIAL AVE.
2. SEE LIGHTING SHEETS FOR CONDUIT INSTALLATION DETAILS.

DESIGNED - WKK				Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS GENERAL PLAN (1 OF 3)
DRAWN - WKK							
CHECKED - KJN							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SCALE: / SHEET VSR-2 OF VSR-6 SHEETS / PROJECT NO. S-0-447 / CONTRACT NO. 32250

DRAWING NO. VSR-2
SHEET NO. 99 OF 207

MODEL: Default
PLOT DATE = 8/11/2022



PLAN

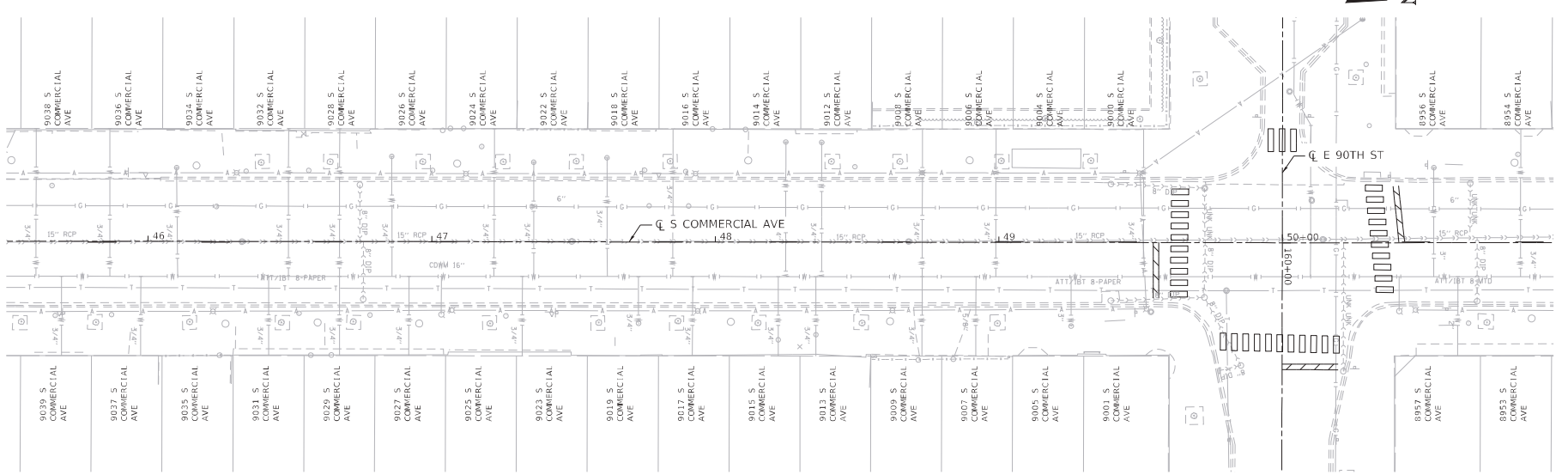
LEGEND

- EXISTING UNDERGROUND GASLINE
- EXISTING UNDERGROUND WATER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND COMED
- EXISTING AERIAL ELECTRIC
- EXISTING UNDERGROUND COMBINED SEWER

EXISTING VAULTED SIDEWALK REMOVAL, BACKFILL VAULT AND CONSTRUCT NEW SIDEWALK ON GRADE

NOTES:

1. STATIONS AND OFFSETS ARE MEASURED FROM THE ℄ S. COMMERCIAL AVE.
2. SEE LIGHTING SHEETS FOR CONDUIT INSTALLATION DETAILS.



PLAN

DESIGNED - WKK				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT
DRAWN - WKK				Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	
CHECKED - KJN					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

S COMMERCIAL AVE IMPROVEMENTS SECTION 1	VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS GENERAL PLAN (2 OF 3)		DRAWING NO. VSR-3
	SCALE:	SHEET VSR-3 OF VSR-6 SHEETS / PROJECT NO. S-0-447 / CONTRACT NO. 32250	SHEET NO. 100 OF 207

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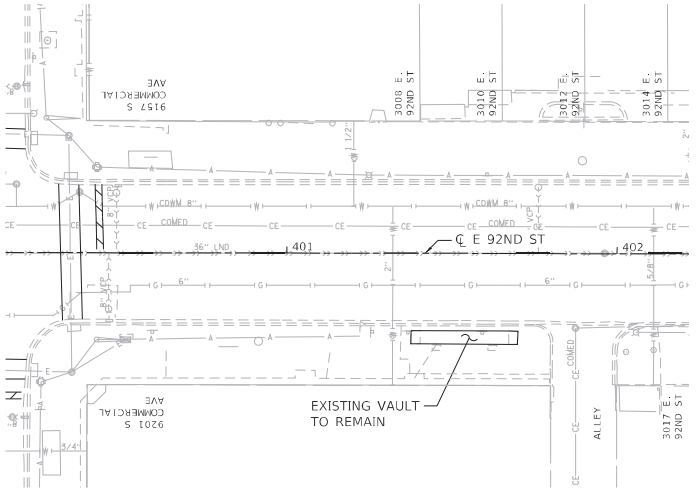
PLOT DATE = 8/11/2022



PLAN

EXISTING VAULTED SIDEWALK REMOVAL, BACKFILL VAULT AND CONSTRUCT NEW SIDEWALK ON GRADE

LEGEND

- EXISTING UNDERGROUND GASLINE
- EXISTING UNDERGROUND WATER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING UNDERGROUND COMED
- EXISTING AERIAL ELECTRIC
- EXISTING UNDERGROUND COMBINED SEWER

NOTES:

1. STATIONS AND OFFSETS ARE MEASURED FROM THE ℄ E. 92ND ST.
2. SEE LIGHTING SHEETS FOR CONDUIT INSTALLATION DETAILS.

DESIGNED - WKK			
DRAWN - WKK			
CHECKED - KJN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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Allied Benesch & Company
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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS
GENERAL PLAN (3 OF 3)

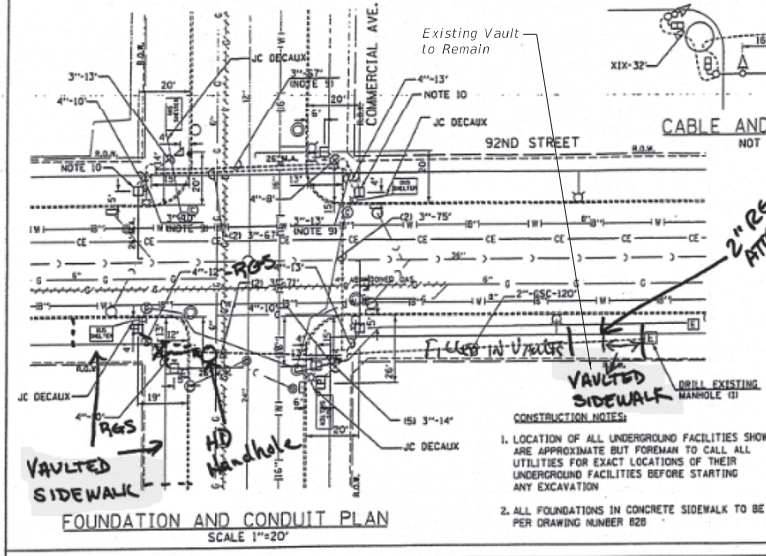
SCALE: | SHEET VSR-4 OF VSR-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **VSR-4**
SHEET NO. 101 OF 207

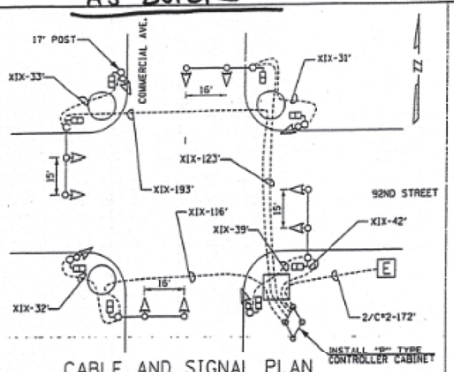
AS-BUILTS

GENERAL NOTES:

1. PVC CONDUITS INSTALLED ARE SCHEDULE 40 IN TRENCH. SIZE AS NOTED, EXCEPT ALL CONDUITS BELOW ROADWAYS OR DRIVEWAYS MUST BE SCHEDULE 80. SIZE AS NOTED.
2. SEE DRAWING NO. 826 FOR CODE.
3. SEE STANDARD DETAIL DRAWINGS FOR MOUNTING DETAILS.
4. ALL SIGNAL SECTIONS TO BE STANDARD 12" SIZE L.E.D. TYPE.
5. ALL VEHICULAR SIGNALS TO BE 3 SECTION UNITS.
6. ALL PEDESTRIAN SIGNALS TO BE 16 INCH ADJUSTABLE, 1-SECTION UNITS WITH I.T.E. SPECIFICATION ('HAND-MAN') SYMBOLIC LENSES AND COUNTDOWN TIMERS.
7. PEDESTRIAN SIGNALS TO BE INSTALLED BELOW VEHICULAR SIGNALS WHERE APPLICABLE.
8. ALL MAST ARMS TO BE STEEL MONOTUBE TYPE, SIZE AS INDICATED ON THE PLANS.
9. THIS CONDUIT SHALL BE USED ONLY FOR F.A. AND P.C. CABLES.
10. CONTRACTOR SHALL PROVIDE NEW ELECTRIC CABLES FOR ALL THE EXISTING BUS SHELTER LIGHTING AND ROUTE THEM THROUGH THE NEW HANDHOLES/MANHOLES TO THE POWER SOURCE.



FOUNDATION AND CONDUIT PLAN
SCALE 1"=20'



CABLE AND SIGNAL PLAN
NOT TO SCALE

NO.	BY	DATE	DESCRIPTION
			REVISIONS

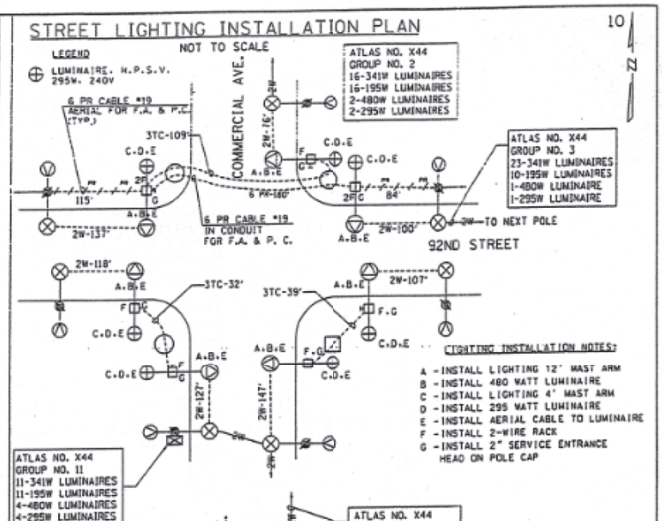
HOH

TRAFFIC CONTROL SIGNALS
COMMERCIAL AVENUE AND 92ND STREET

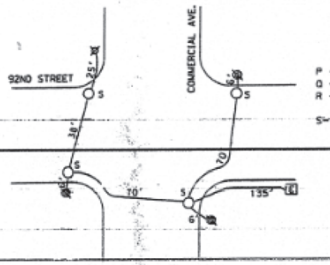
CITY OF CHICAGO
DEPARTMENT OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN:	BB, MAE, KGP
CHECKED:	PKG
APPROVED:	PKG
DATE:	3/13/06
SCALE:	AS NOTED
CONTRACT NO.	
SHEET NO.	12074
PROJECT NO.	9-4-106

STREET LIGHTING INSTALLATION PLAN
NOT TO SCALE



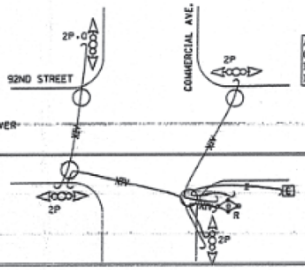
FOUNDATION AND CONDUIT REMOVAL PLAN
NOT TO SCALE



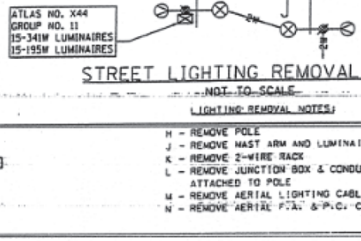
REMOVAL NOTES:
P - REMOVE TRAFFIC SIGNALS
Q - REMOVE POLE, STEEL, CTA
R - REMOVE TRAFFIC SIGNAL CONTROLLER ATTACHED TO COMBINATION POLE
S - BREAKDOWN CITY HANDHOLE AND REMOVE 24" FRAME AND COVER

REMOVE CABLE AS NOTED:
X1V - 233',
2/C #10 (SERVICE CABLE) -141'

CABLE AND SIGNAL REMOVAL PLAN
NOT TO SCALE



STREET LIGHTING REMOVAL PLAN
NOT TO SCALE



LIGHTING REMOVAL NOTES:
H - REMOVE POLE
J - REMOVE MAST ARM AND LUMINAIRE
K - REMOVE 2-WIRE RACK
L - REMOVE JUNCTION BOX & CONDUIT ATTACHED TO POLE
M - REMOVE AERIAL LIGHTING CABLE- 2W
N - REMOVE AERIAL F.A. & P.C. CABLE- 5 PR

NO.	BY	DATE	DESCRIPTION
			REVISIONS

HOH

TRAFFIC CONTROL SIGNALS
COMMERCIAL AVENUE AND 92ND STREET

CITY OF CHICAGO
DEPARTMENT OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN:	BB, MAE, KGP
CHECKED:	PKG
APPROVED:	PKG
DATE:	3/13/06
SCALE:	AS NOTED
CONTRACT NO.	
SHEET NO.	12074
PROJECT NO.	9-4-106

FOR INFORMATION ONLY

DESIGNED - WKK			
DRAWN - WKK			
CHECKED - KJN			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

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Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS
EXISTING PLANS (1 OF 2)

SCALE: | SHEET VSR-5 OF VSR-6 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. VSR-5
SHEET NO. 102 OF 207

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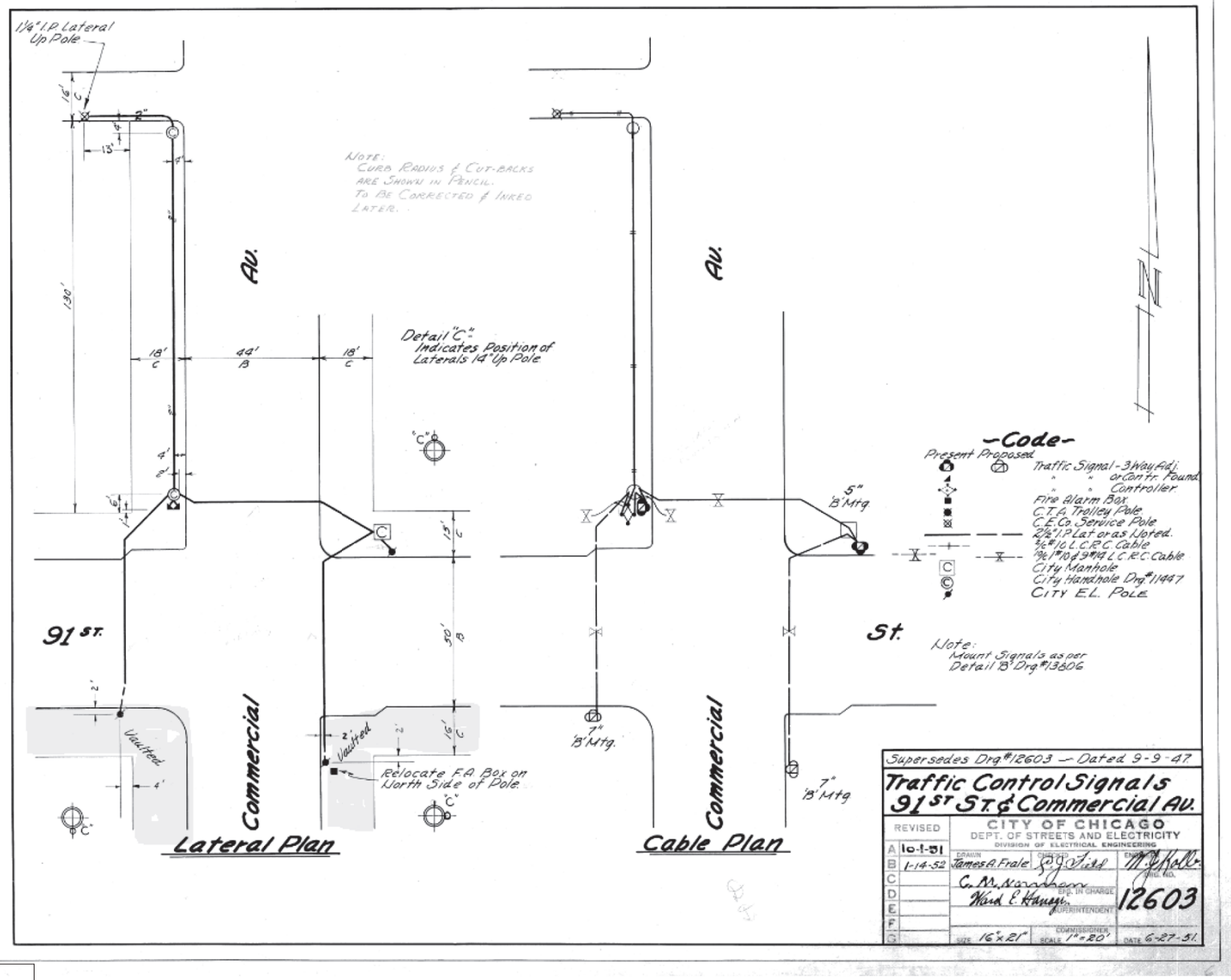
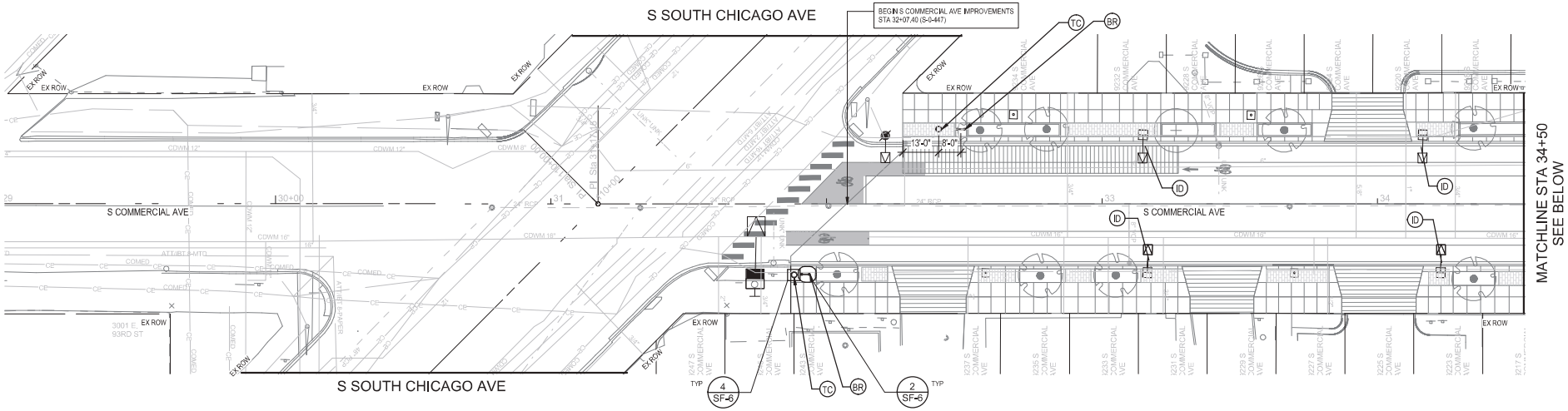


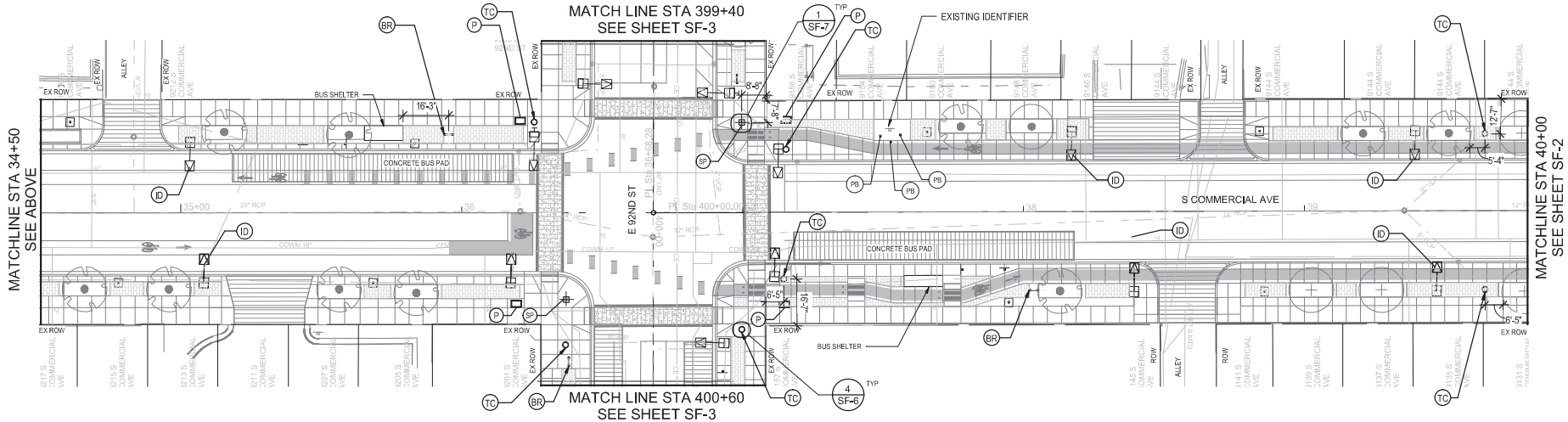
FOR INFORMATION ONLY

DESIGNED - WKK				benesch Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	VAULTED SIDEWALK REMOVAL AND STRUCTURE REPAIR PLANS EXISTING PLANS (2 OF 2)
DRAWN - WKK							
CHECKED - KJN							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SCALE: SHEET VSR-6 OF VSR-6 SHEETS PROJECT NO. S-0-447 CONTRACT NO. 32250

DRAWING NO. VSR-6
SHEET NO. 103 OF 207

PLOT DATE = 8/11/2022



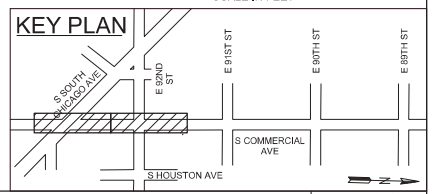


SITE FURNISHINGS LEGEND

- TC — TRASH RECEPTACLE
- BR — BICYCLE RACK WITH LOGO
- P — PLANTER
- SP — CAST BRONZE SIDEWALK PLAQUE
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- ID — DECORATIVE METAL LIGHT POLE IDENTIFIER
- BUS SHELTER, BY OTHERS
- PB — PIPE BOLLARD, SPECIAL
- TREE, (SEE LANDSCAPE PLANS)
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



DESIGNED -	N. SCHLOTTER			
DRAWN -	G. ACOSTA			
CHECKED -	K. STREYLE			
DATE -	08/11/2022	REVISED BY	DATE	DESCRIPTION

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COMMERCIAL AVE IMPROVEMENTS

SITE FURNISHING PLANS
S COMMERCIAL AVE

SCALE: As indicated | SHEET SF-1 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SF-1
SHEET NO. 104 OF 207

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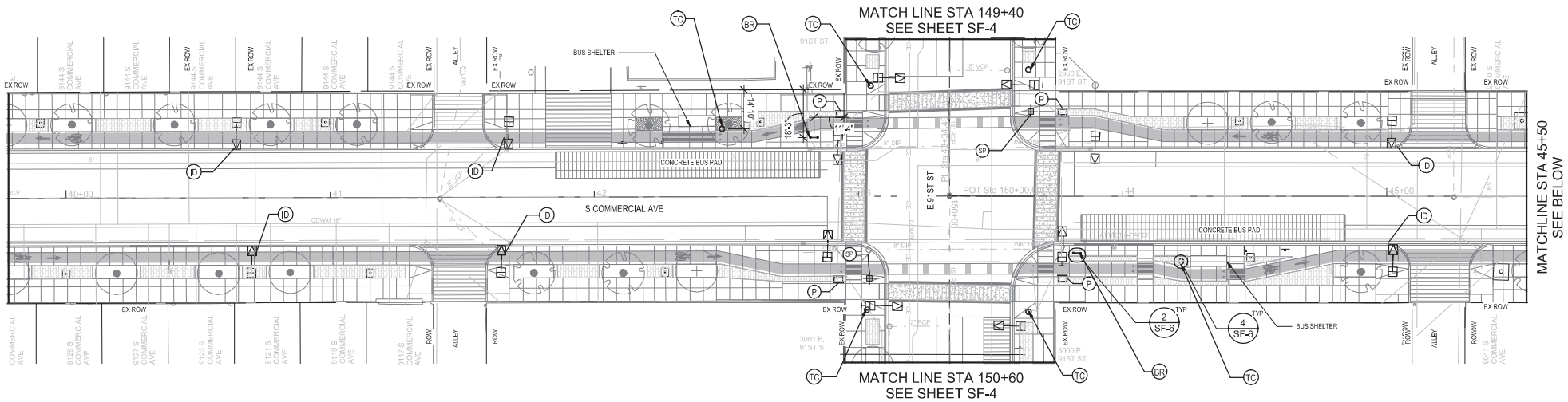

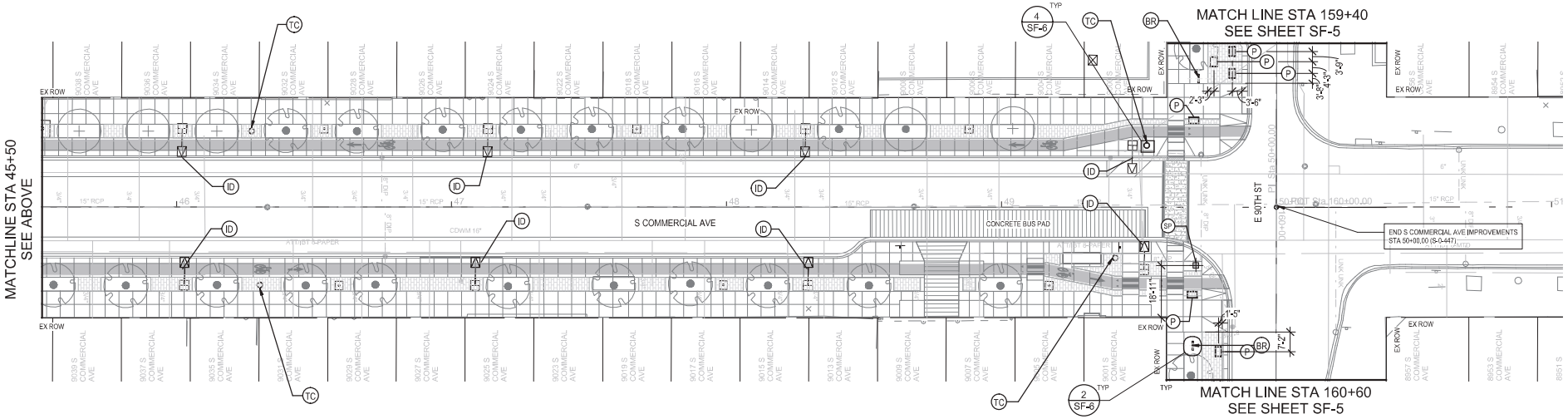

SITE FURNISHINGS LEGEND

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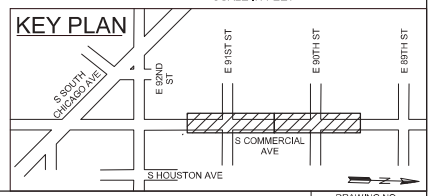
REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



DESIGNED - N. SCHLOTTER				
DRAWN - G. ACOSTA				
CHECKED - K. STREYLE				
DATE - 08/12/2022	REVISED BY	DATE	DESCRIPTION	

MODEL:
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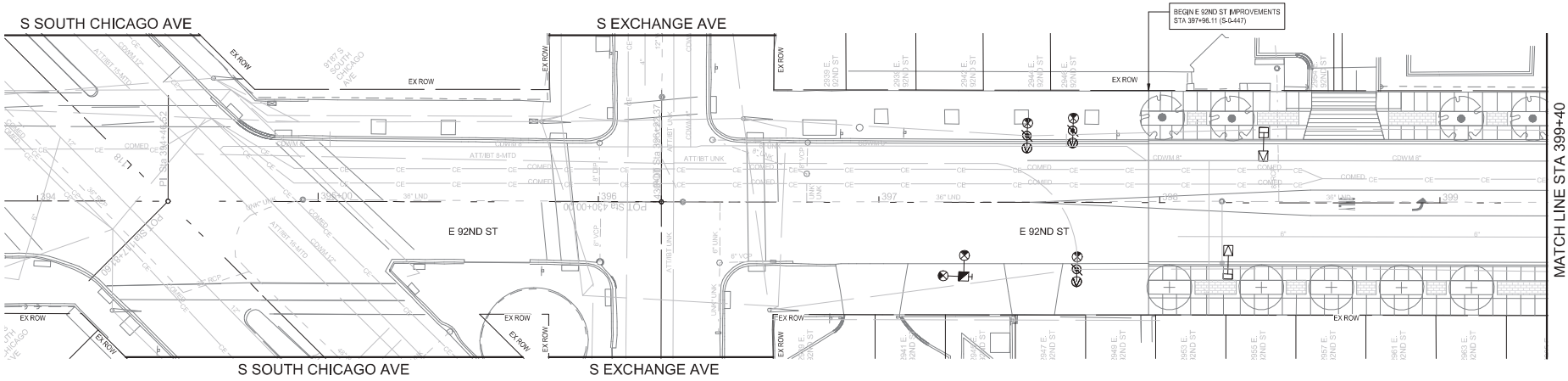
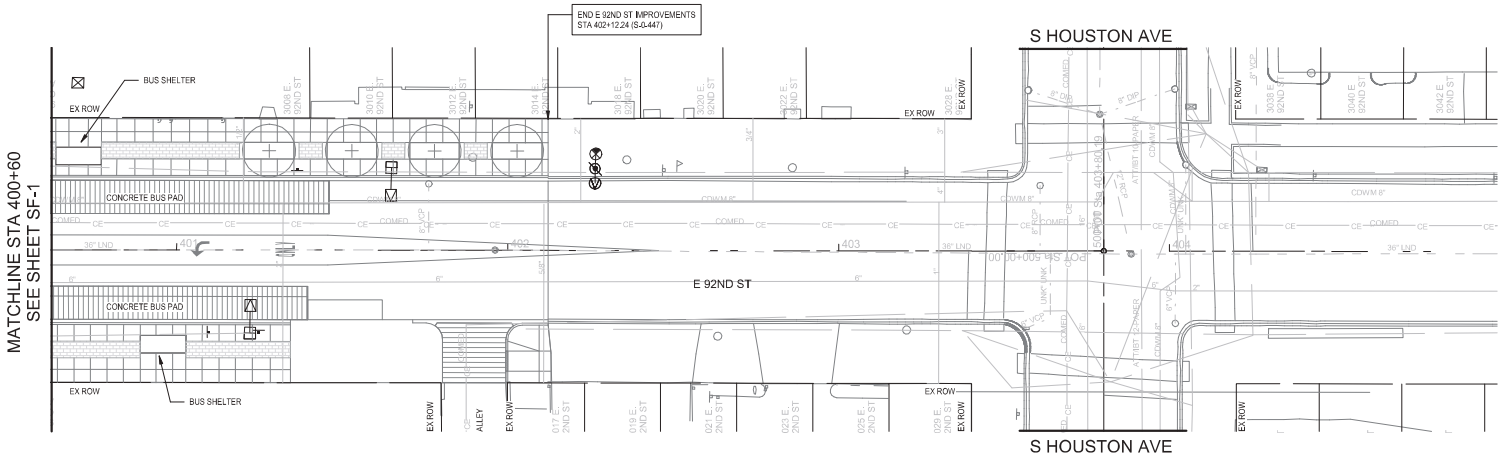
COMMERCIAL AVE IMPROVEMENTS

SITE FURNISHING PLANS
S COMMERCIAL AVE

SCALE: As indicated | SHEET SF-2 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SF-2
SHEET NO. 105 OF 207





SITE FURNISHINGS LEGEND

- TC — TRASH RECEPTACLE
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- P — PLANTER
- SP — CAST BRONZE SIDEWALK PLAQUE
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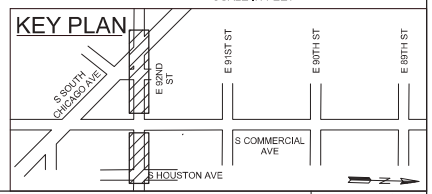
- TREE, (SEE LANDSCAPE PLANS)
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



DESIGNED - N. SCHLOTTER				
DRAWN - G. ACOSTA				
CHECKED - K. STREYLE				
DATE - 08/12/2022	REVISED BY	DATE	DESCRIPTION	

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COMMERCIAL AVE IMPROVEMENTS

SITE FURNISHING PLANS
E 92ND ST

SCALE: As indicated | SHEET SF-3 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SF-3
SHEET NO. 106 OF 207

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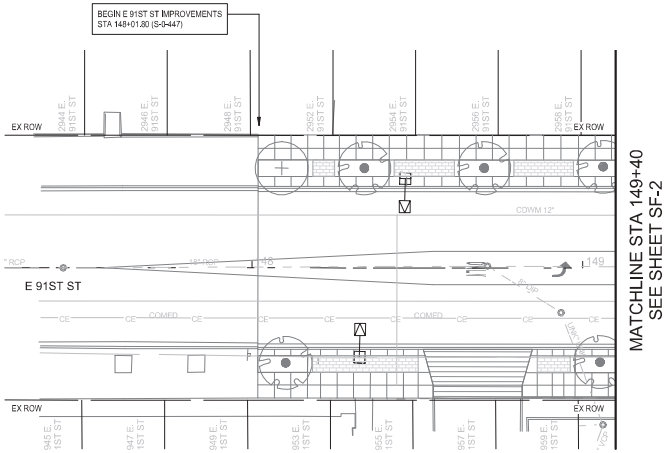

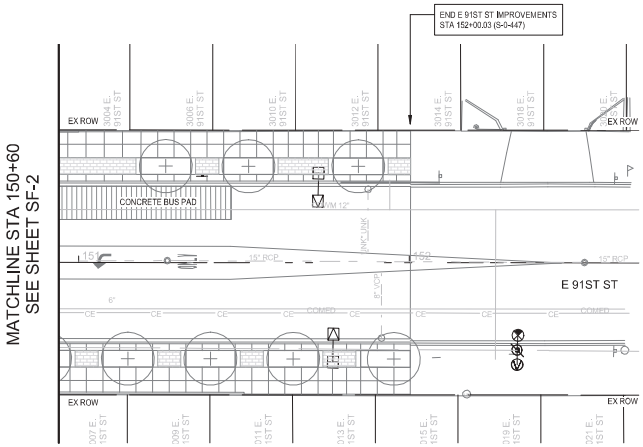

SITE FURNISHINGS LEGEND

- TC — TRASH RECEPTACLE
- BR — BICYCLE RACK WITH LOGO
- P — PLANTER
- SP — CAST BRONZE SIDEWALK PLAQUE
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
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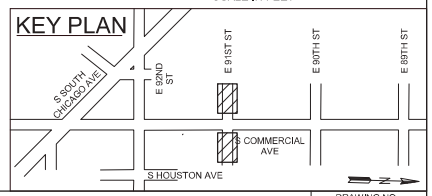
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



DESIGNED -	N. SCHLOTTER			
DRAWN -	G. ACOSTA			
CHECKED -	K. STREYLE			
DATE -	08/12/2022	REVISED BY	DATE	DESCRIPTION

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COMMERCIAL AVE IMPROVEMENTS

SITE FURNISHING PLANS
E 91ST ST

SCALE: As indicated | SHEET SF-4 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SF-4
SHEET NO. 107 OF 207

MODEL:
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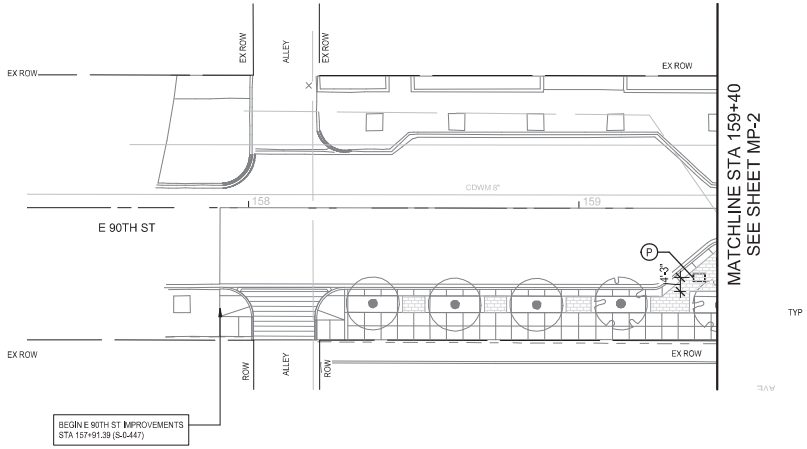
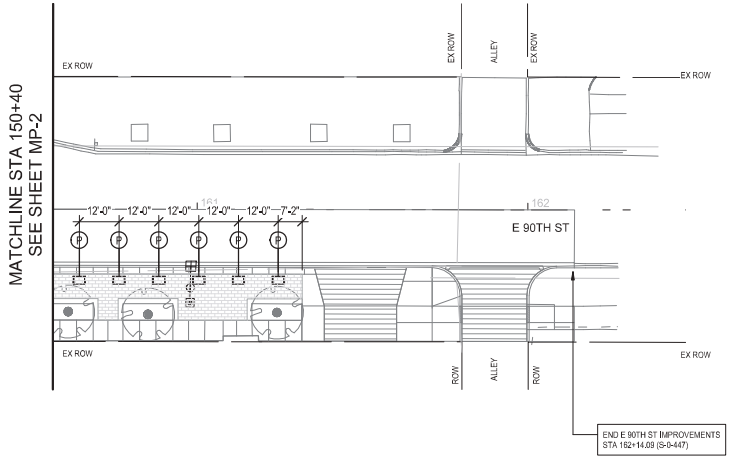


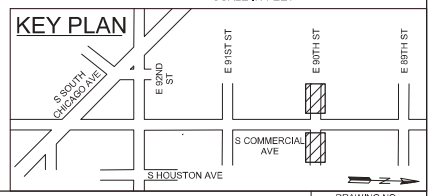


SITE FURNISHINGS LEGEND

- TC — TRASH RECEPTACLE
- BR — BICYCLE RACK WITH LOGO
- P — PLANTER
- SP — CAST BRONZE SIDEWALK PLAQUE
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- PROPOSED LIGHT POLE (SEE ELECTRICAL SHEETS FOR DETAILS)
- ID — DECORATIVE METAL LIGHT POLE IDENTIFIER
- BUS SHELTER, BY OTHERS
- PB — PIPE BOLLARD, SPECIAL
- TREE, (SEE LANDSCAPE PLANS)
- TREE, (SEE LANDSCAPE PLANS)

REFERENCE EXISTING GRADING AND UTILITIES PLANS FOR ALL UTILITIES ON PROJECT

0 20 40 60
SCALE IN FEET



DESIGNED -	N. SCHLOTTER			
DRAWN -	G. ACOSTA			
CHECKED -	K. STREYLE			
DATE -	08/12/2022	REVISED BY	DATE	DESCRIPTION

700 N SANGAMON
CHICAGO, IL 60642
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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

COMMERCIAL AVE
IMPROVEMENTS

SITE FURNISHING PLANS
E 90TH ST

SCALE: As indicated | SHEET SF-5 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SF-5
SHEET NO. 108 OF 207

MODEL:
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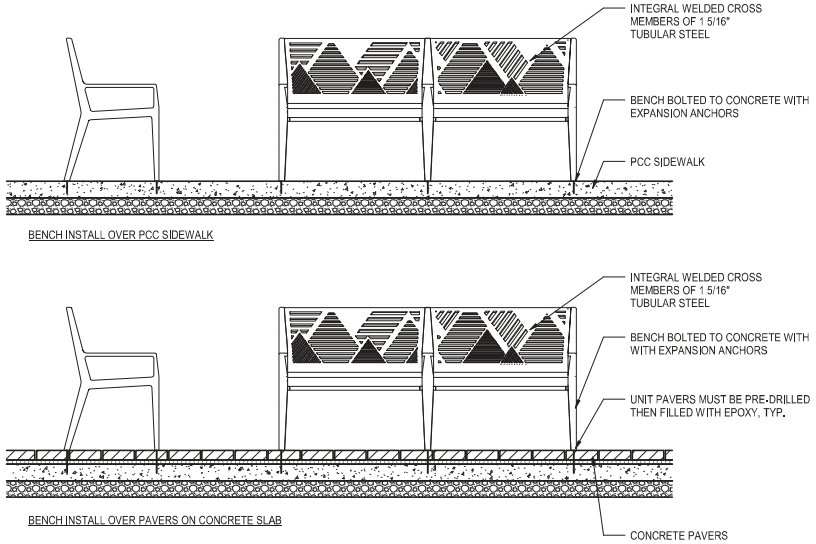
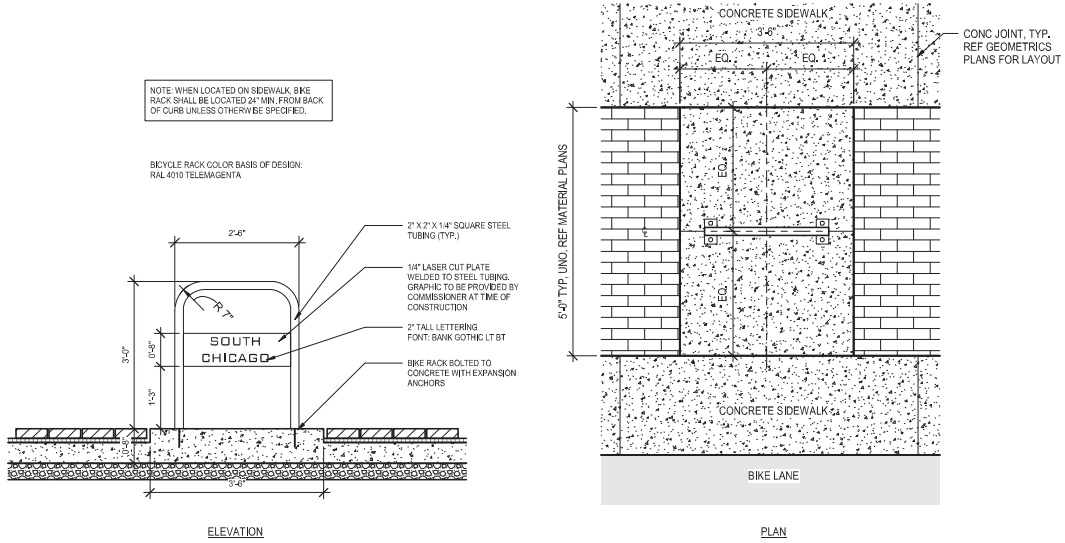
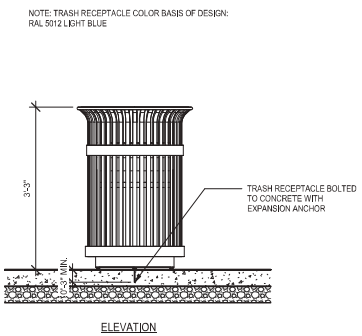
PLOT DATE = 8/12/2022 10:07:14 AM



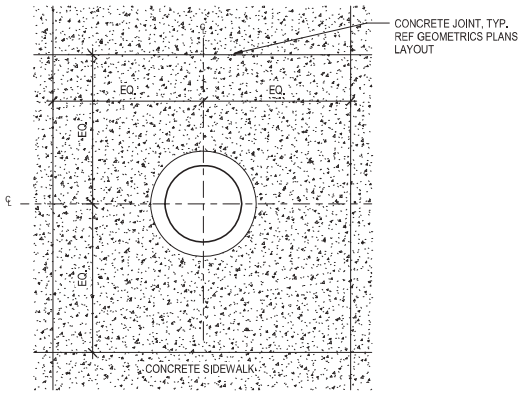
1 DECORATIVE METAL BENCH
3/4" = 1'-0"



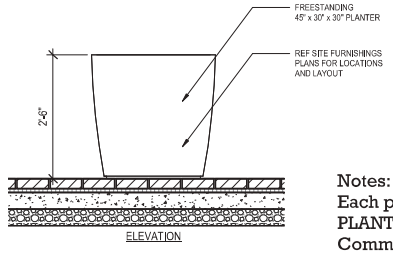
2 BICYCLE RACK WITH LOGO
3/4" = 1'-0"



3 TRASH RECEPTACLE
3/4" = 1'-0"



4 TRASH RECEPTACLE PLAN
3/4" = 1'-0"



5 PLANTER
3/4" = 1'-0"

Notes:
Each planter will require an Annual rotation for each planter per MOVABLE PLANTER, ANNUAL ROTATION specification. Layout plantings to be provided by Commissioner. Summer annual rotation will include the following plants for each planter:
(3) Canna x generalis "Cannova Mango' 4" pot
(4) Coleus scutellarioides 'Stained Glasswork Royalty' 4" pot
(10) Begonia x benariensis 'Whopper Rose with green leaf" 4" pot

MODEL:
FILE NAME: BIM 360:/CDOT Commercial Ave Corridor Improvements/CDOT Commercial Ave Corridor Improvements-V2021.rvt

DESIGNED -	N. SCHLOTTER			
DRAWN -	G. ACOSTA			
CHECKED -	K. STREYLE			
DATE -	08/12/2022	REVISED BY	DATE	DESCRIPTION

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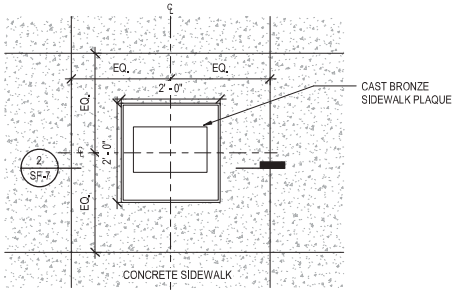
COMMERCIAL AVE IMPROVEMENTS

SITE FURNISHING PLANS
DETAILS

SCALE: 3/4" = 1'-0" | SHEET SF-6 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

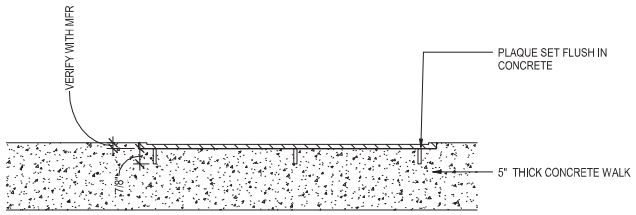
DRAWING NO. SF-6
SHEET NO. 109 OF 207

PLOT DATE = 8/12/2022 10:07:15 AM



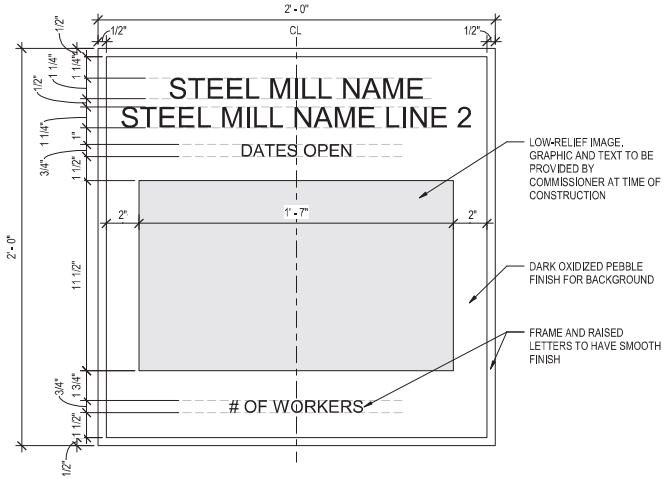
1 CAST BRONZE SIDEWALK PLAQUE PLAN

3/4" = 1'-0"



2 CAST BRONZE SIDEWALK PLAQUE DETAIL

3" = 1'-0"



3 CAST BRONZE SIDEWALK PLAQUE ENLARGEMENT

3" = 1'-0"

MODEL:
FILE NAME: BIM 360:\CDOT Commercial Ave Corridor Improvements\CDOT Commercial Ave Corridor Improvements-V2021.rvt

DESIGNED -	N. SCHLOTTER			
DRAWN -	K.STREYLE			
CHECKED -	K.STREYLE			
DATE -	08/12/22	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022 10:07:16 AM

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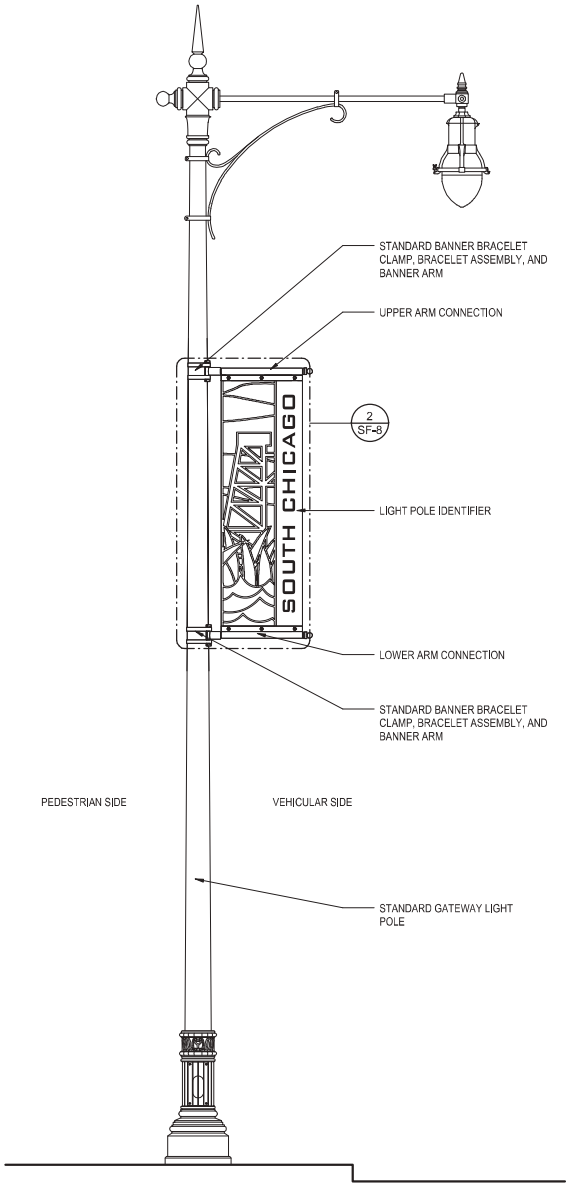
IMPROVEMENTS

SITE FURNISHING PLANS
DETAILS

SCALE: As indicated | SHEET SF-7 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO.
SF-7

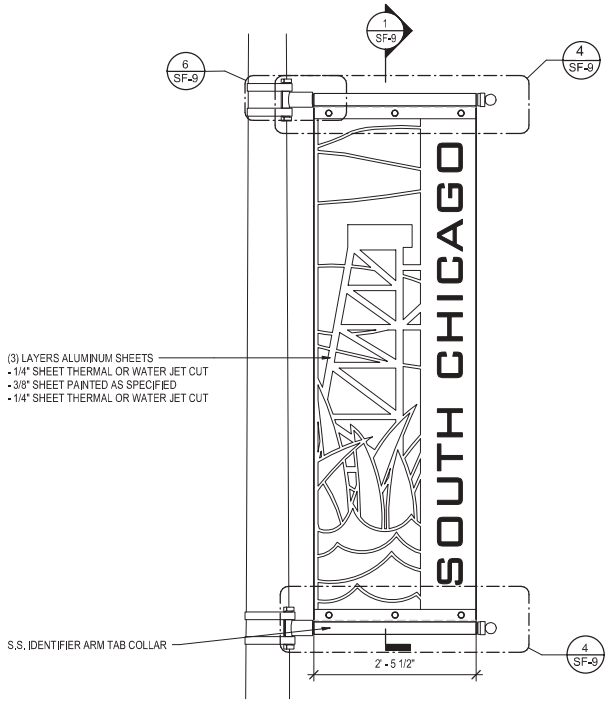
SHEET NO.
110 OF 207



1 LIGHT POLE WITH DECORATIVE METAL LIGHT POLE IDENTIFIER

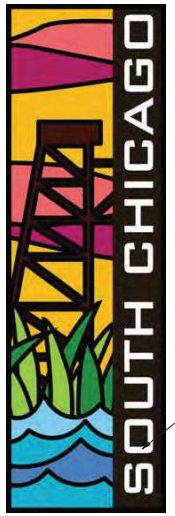
1/2" = 1'-0"

NOTE:
1. REVERSE SIDE SHALL BE SIMILAR BUT OPPOSITE
2. PROVIDE A NEOPRENE GASKET BETWEEN DISSIMILAR METALS TO AVOID GALVANIC CORROSION



2 DECORATIVE METAL LIGHT POLE IDENTIFIER ENLARGEMENT

1" = 1'-0"



COLOR SELECTIONS:

YELLOW: RAL 1003 SIGNAL YELLOW
LIGHT PINK :RAL 4010 TELEMAGENTA
DARK PINK: RAL 4006 TRAFFIC PURPLE
LIGHT GREEN: RAL 6018 YELLOW GREEN
DARK GREEN: RAL 6029 MINT GREEN
LIGHT BLUE: RAL 5024 PASTEL BLUE
MED BLUE: RAL 5012 LIGHT BLUE
DARK BLUE: RAL 5019 CAPRI BLUE
BLACK: RAL 9017 TRAFIC BLACK
WHITE: RAL 9010 PURE WHITE

3 COLOR SELECTIONS

1/4" = 1'-0"

MODEL:
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DESIGNED -	K.STREYLE			
DRAWN -	K.STREYLE			
CHECKED -	K.STREYLE			
DATE -	08/12/2022	REVISED BY	DATE	DESCRIPTION

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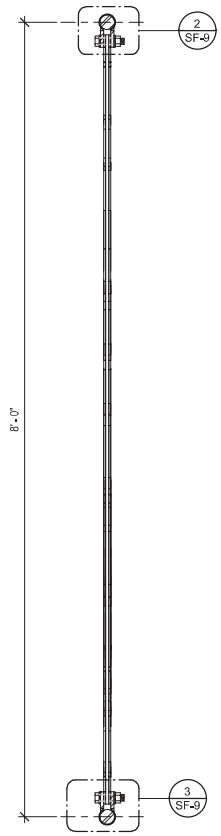
COMMERCIAL AVE IMPROVEMENTS

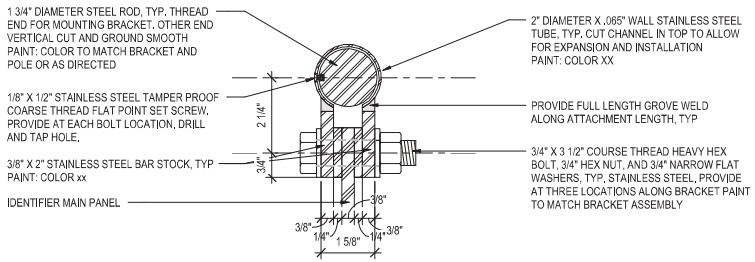
SITE FURNISHING PLANS
DETAILS

SCALE: As indicated | SHEET SF-8 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

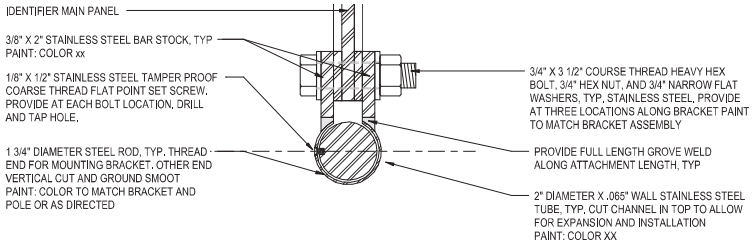
DRAWING NO. SF-8
SHEET NO. 111 OF 207



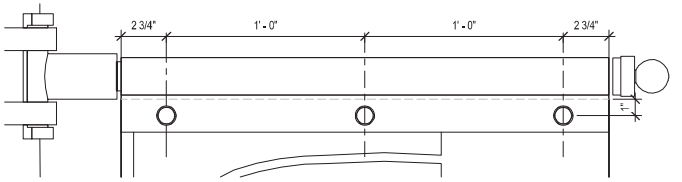
1 SECTION
1 1/2" = 1'-0"

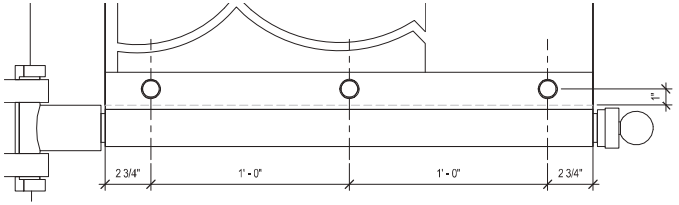


2 TOP BRACKET ASSEMBLY
6" = 1'-0"

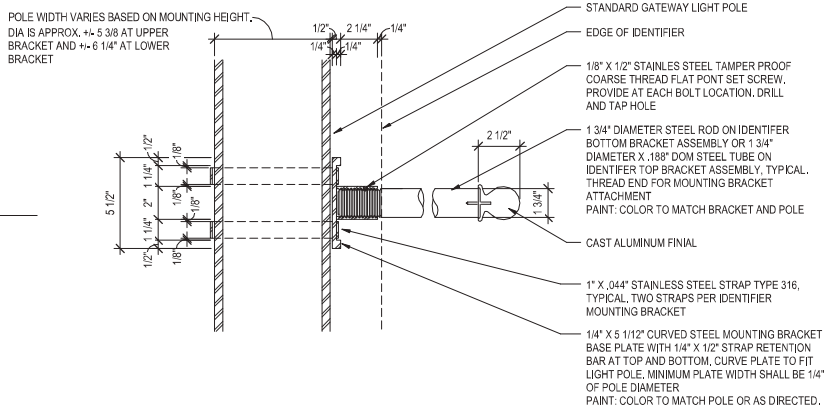


3 BOTTOM BRACKET ASSEMBLY
6" = 1'-0"

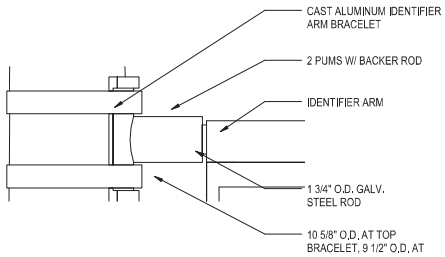




4 UPPER AND LOWER ARM CONNECTION ELEVATION
3" = 1'-0"



5 POLE CONNECTION DETAIL
3" = 1'-0"



NOTE: CONTRACTOR SHALL CONFIRM BRACELET SIZES AND DIMENSIONS PRIOR TO FABRICATION AND CONSTRUCTION

6 SUPPORT ARM BRACELET
3" = 1'-0"

GENERAL NOTES:

1. CONTRACTOR SHALL CONFIRM BRACKET SIZES AND DIMENSIONS PRIOR TO FABRICATION AND CONSTRUCTION
2. CONTRACTOR SHALL VERIFY IDENTIFIER ARM BRACELET AND STAINLESS STRAPS CONFORM TO THE FOLLOWING:
   A. MOMENT = 0.29 K-FT
   B. SHEAR = 0.31 K

DESIGNED - K. STREYLE				
DRAWN - K.STREYLE				
CHECKED - K.STREYLE				
DATE - 08/12/22	REVISED BY	DATE	DESCRIPTION	

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COMMERCIAL AVE
IMPROVEMENTS

SITE FURNISHING PLANS
DETAILS

SCALE: As indicated | SHEET SF-9 OF SF-9 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. SF-9
SHEET NO. 112 OF 207

MODEL:
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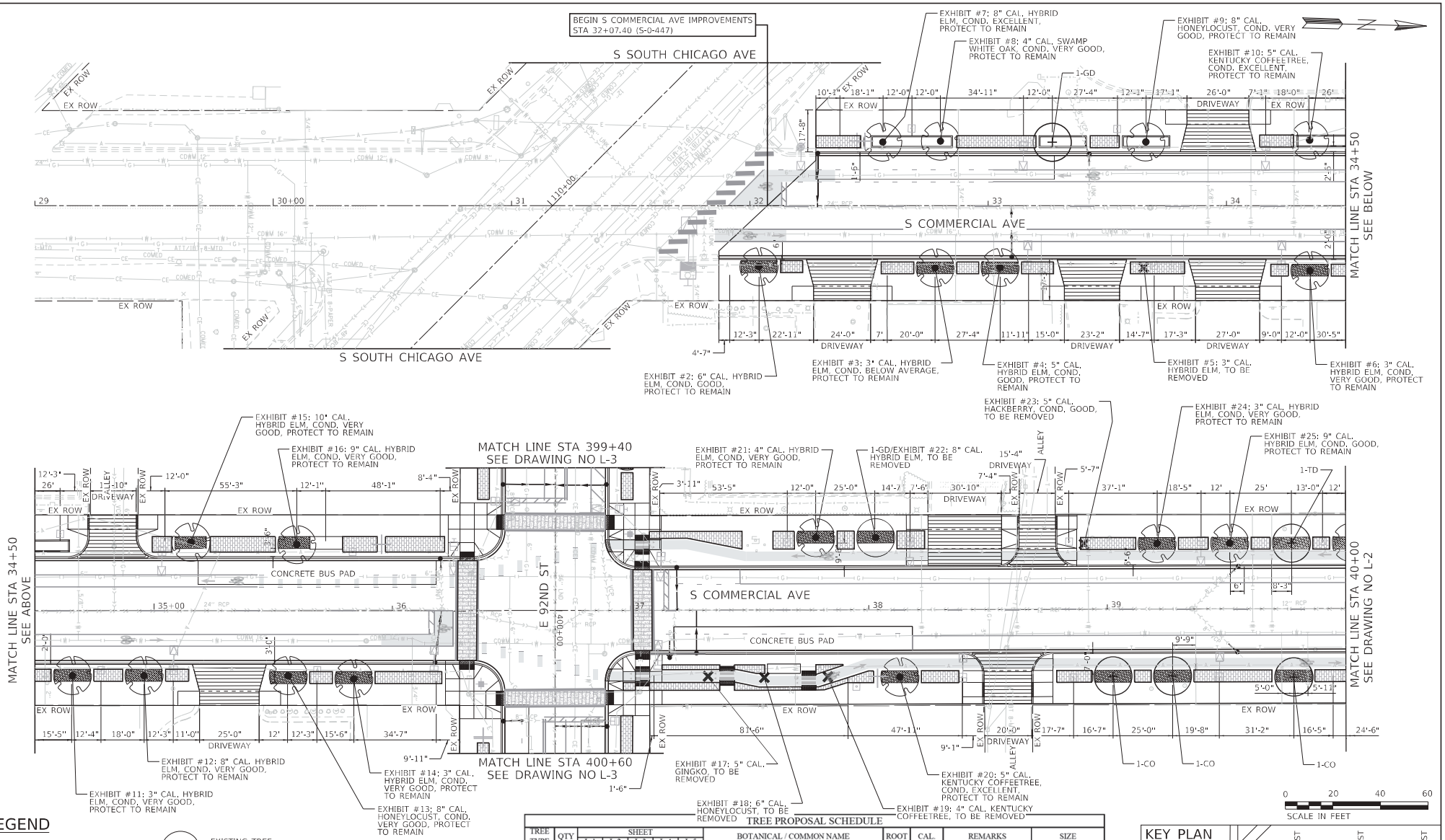


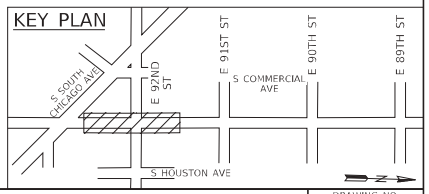
LEGEND

- 5' X 15' OPEN TREE PIT
- PROPOSED BUS SHELTER (BY OTHERS)
- PROPOSED TREE (SEE TREE PROPOSAL SCHED.)
- EXISTING TREE REMOVE AND REPLACE (SEE TREE REMOVAL SCHED.)
- EXISTING TREE TO BE REMOVED (SEE TREE REMOVAL SCHED.)
- EXISTING TREE PROTECT TO REMAIN (SEE TREE PROTECTION SCHED.)
- GATEWAY LIGHT POLE (SEE ELECTRICAL PLANS FOR DETAILS)
- PEDESTRIAN LIGHT POLE (SEE ELECTRICAL PLANS FOR DETAILS)

TREE PROPOSAL SCHEDULE

TREE TYPE	QTY	SHEET L-1	SHEET L-2	SHEET L-3	SHEET L-4	SHEET L-5	BOTANICAL / COMMON NAME	ROOT	CAL.	REMARKS	SIZE
GB	7		4		3		Ginkgo biloba / Maidenhair Tree	B & B	2.5" Cal	Male Only	50' mature height
GD	8	2	3	3			Gymnocladus dioica / Kentucky Coffeetree	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
CO	5	3			2		Celtis occidentalis 'Chicagoland' / Chicagoland Hackberry	B & B	2.5" Cal	Full, Matched, Straight	50' mature height
QI	7			6	1		Quercus imbricaria / Shingle Oak	B & B	2.5" Cal	Full, Matched, Straight	50' mature height
TD	7	1			3	3	Taxodium distichum 'Mickelson' TM / Shawnee Brave Bald Cypress	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
UM	3		2		1		Ulmus minor / New Horizon Elm	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
SR	2		2				Syringa reticulata / Ivory Silk Japanese Tree Lilac	B & B	2.0" Cal	Single Stem, Full Specimen	30' mature height

KEY PLAN



DESIGNED - I. SALVADOR			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

LANDSCAPE PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET L-1 OF L-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **L-1**
SHEET NO. 113 OF 207

MODEL: Default
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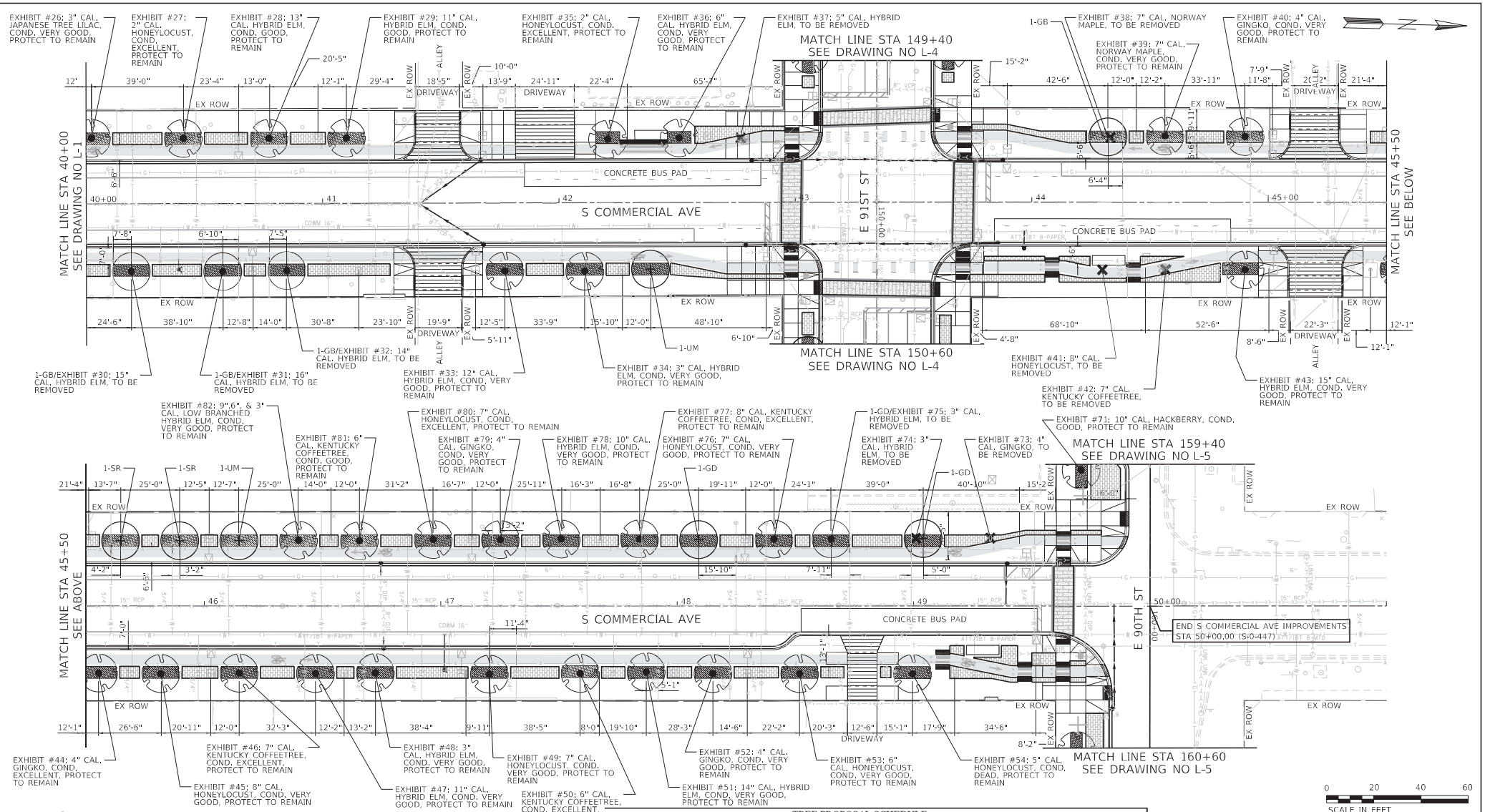
PLOT DATE = 8/12/2022



LEGEND

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- PROPOSED BUS SHELTER (BY OTHERS)
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- EXISTING TREE REMOVE AND REPLACE (SEE TREE REMOVAL SCHED.)
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TREE PROPOSAL SCHEDULE

TREE TYPE	QTY	SHEET L-1	SHEET L-2	SHEET L-3	SHEET L-4	SHEET L-5	BOTANICAL / COMMON NAME	ROOT	CAL.	REMARKS	SIZE
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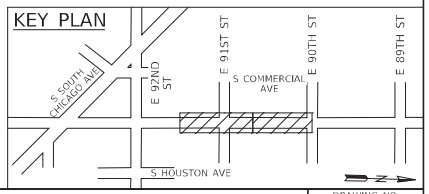
KEY PLAN



DESIGNED - I. SALVADOR				
DRAWN - J. WORTHINGTON				
CHECKED - M. ALSHARBINI				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

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Allied Benesch & Company
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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

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S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

LANDSCAPE PLANS
S COMMERCIAL AVE

SCALE: 1" = 20' | SHEET L-2 OF L-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **L-2**
SHEET NO. 114 OF 207

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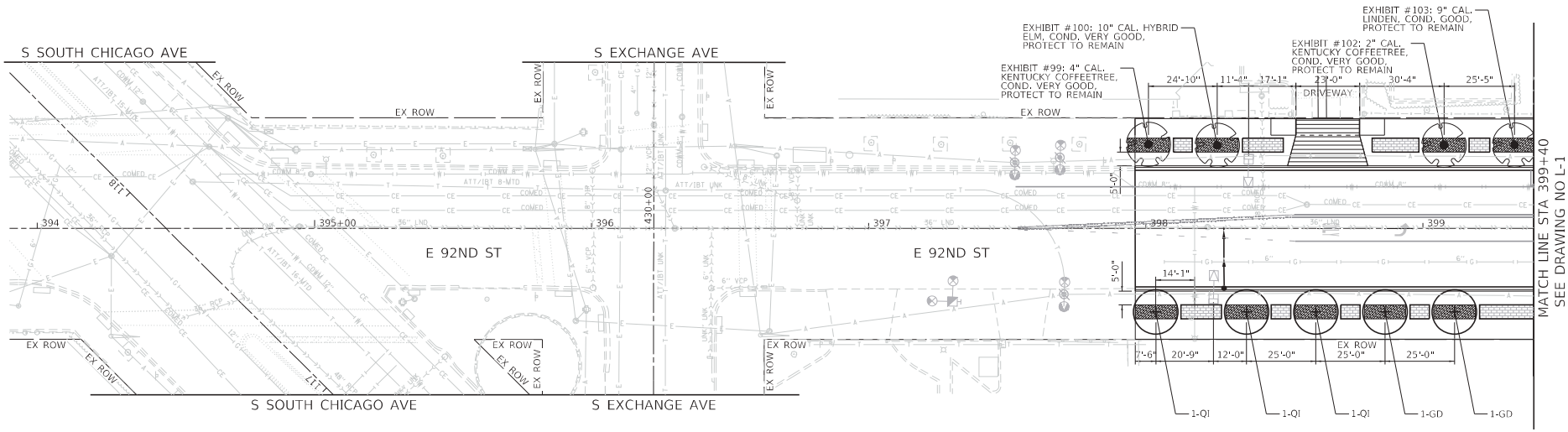
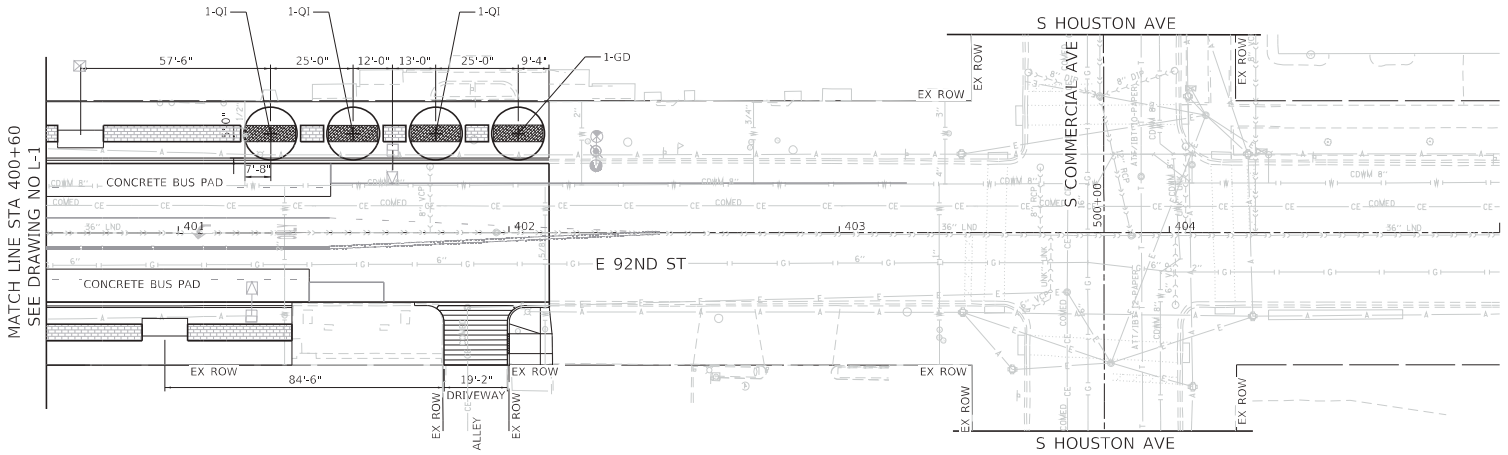
PLOT DATE = 8/12/2022





LEGEND

- 5' X 15' OPEN TREE PIT
- PROPOSED BUS SHELTER (BY OTHERS)
- PROPOSED TREE (SEE TREE PROPOSAL SCHED.)
- EXISTING TREE REMOVE AND REPLACE (SEE TREE REMOVAL SCHED.)
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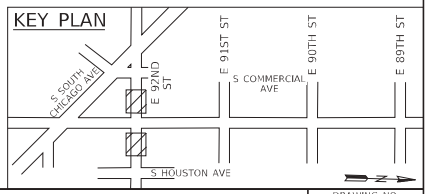
- GATEWAY LIGHT POLE (SEE ELECTRICAL PLANS FOR DETAILS)
- PEDESTRIAN LIGHT POLE (SEE ELECTRICAL PLANS FOR DETAILS)

TREE PROPOSAL SCHEDULE

TREE TYPE	QTY	SHEET L-1	SHEET L-2	SHEET L-3	SHEET L-4	SHEET L-5	BOTANICAL / COMMON NAME	ROOT	CAL.	REMARKS	SIZE
GB	7		4		3		Ginkgo biloba / Maidenhair Tree	B & B	2.5" Cal	Male Only	50' mature height
GD	8	2	3	3			Gymnocladus dioica / Kentucky Coffeetree	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
CO	5	3			2		Celtis occidentalis 'Chicagoland' / Chicagoland Hackberry	B & B	2.5" Cal	Full, Matched, Straight	50' mature height
QI	7			6	1		Quercus imbricaria / Shingle Oak	B & B	2.5" Cal	Full, Matched, Straight	50' mature height
TD	7	1			3	3	Taxodium distichum 'Mickelson' TM / Shawnee Brave Bald Cypress	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
UM	3		2		1		Ulmus minor / New Horizon Elm	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
SR	2		2				Syringa reticulata / Ivory Silk Japanese Tree Lilac	B & B	2.0" Cal	Single Stem, Full Specimen	30' mature height

0 20 40 60
SCALE IN FEET

KEY PLAN



DESIGNED - I. SALVADOR			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

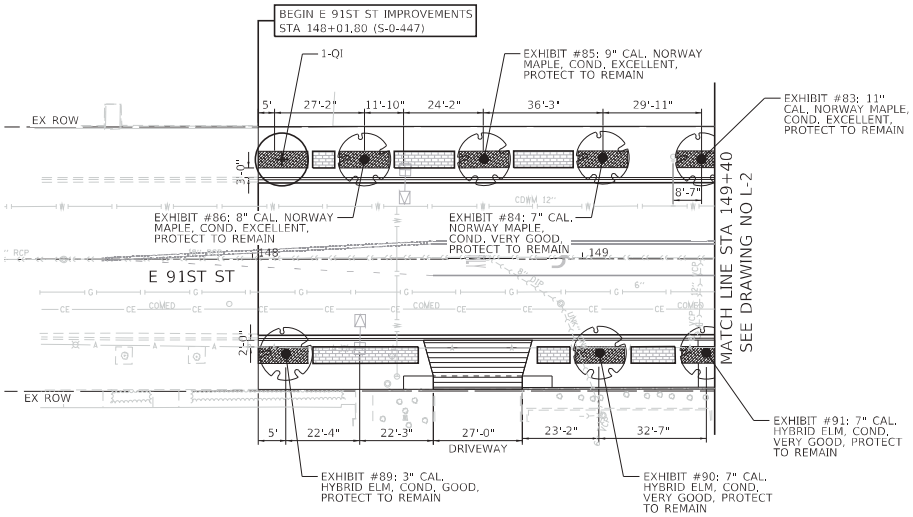
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

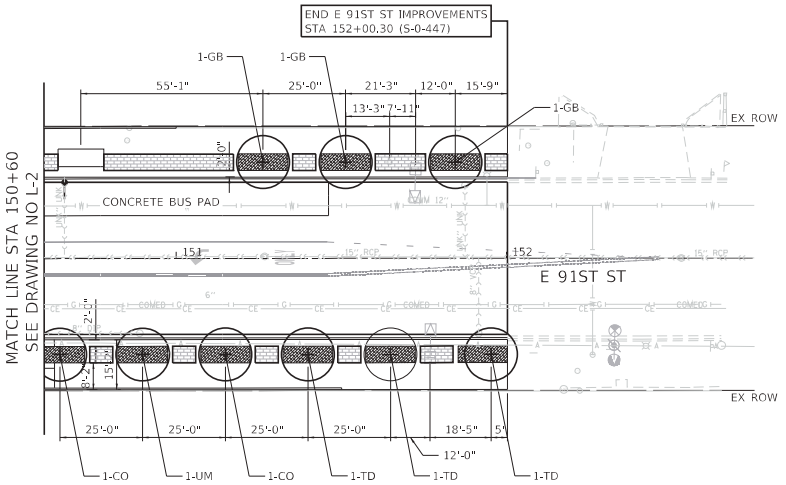
S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

LANDSCAPE PLANS
E 92ND ST

SCALE: 1" = 20' | SHEET L-3 OF L-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **L-3**
SHEET NO. 115 OF 207





TREE REMOVAL SCHEDULE							
PAY ITEM NAME	PAY ITEM NUMBER	QTY	SHEET				
			L-1	L-2	L-3	L-4	L-5
TREE REMOVAL (1 TO 6 UNITS DIAMETER)	CDOT2010030	10	5	4			1
TREE REMOVAL (7 TO 15 UNITS DIAMETER)	**********	8	1	5			2
TREE REMOVAL (OVER 15 UNITS DIAMETER)	20100210	1		1			

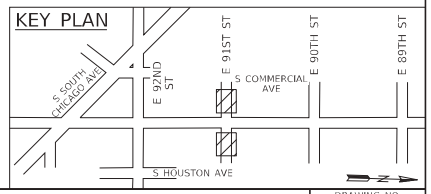
TREE PROTECTION SCHEDULE						
PAY ITEM NAME	TREE PROTECTION					
PAY ITEM NUMBER	CDOT2010020					
QTY	SHEET					
	L-1	L-2	L-3	L-4	L-5	
63	18	30	4	7	4	

LEGEND

- 5' X 15' OPEN TREE PIT
- PROPOSED BUS SHELTER (BY OTHERS)
- PROPOSED TREE (SEE TREE PROPOSAL SCHED.)
- EXISTING TREE REMOVE AND REPLACE (SEE TREE REMOVAL SCHED.)
- EXISTING TREE TO BE REMOVED (SEE TREE REMOVAL SCHED.)
- EXISTING TREE PROTECT TO REMAIN (SEE TREE PROTECTION SCHED.)
- GATEWAY LIGHT POLE (SEE ELECTRICAL PLANS FOR DETAILS)
- PEDESTRIAN LIGHT POLE (SEE ELECTRICAL PLANS FOR DETAILS)

TREE PROPOSAL SCHEDULE										
TREE TYPE	QTY	SHEET					BOTANICAL / COMMON NAME	ROOT	CAL.	REMARKS	SIZE
		L-1	L-2	L-3	L-4	L-5					
GB	7		4		3		Ginkgo biloba / Maidenhair Tree	B & B	2.5" Cal	Male Only	50' mature height
GD	8	2	3	3			Gymnocladus dioica / Kentucky Coffeetree	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
CO	5	3			2		Celtis occidentalis 'Chicagoland' / Chicagoland Hackberry	B & B	2.5" Cal	Full, Matched, Straight	50' mature height
QI	7			6	1		Quercus imbricaria / Shingle Oak	B & B	2.5" Cal	Full, Matched, Straight	50' mature height
TD	7	1			3	3	Taxodium distichum 'Mickelson' TM / Shawnee Brave Bald Cypress	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
UM	3		2		1		Ulmus minor / New Horizon Elm	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
SR	2		2				Syringa reticulata / Ivory Silk Japanese Tree Lilac	B & B	2.0" Cal	Single Stem, Full Specimen	30' mature height

0 20 40 60
SCALE IN FEET



DESIGNED - I. SALVADOR			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/12/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

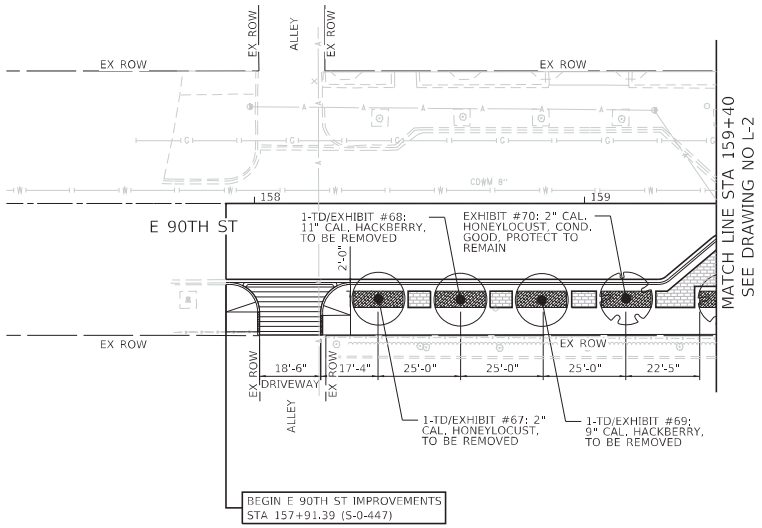
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

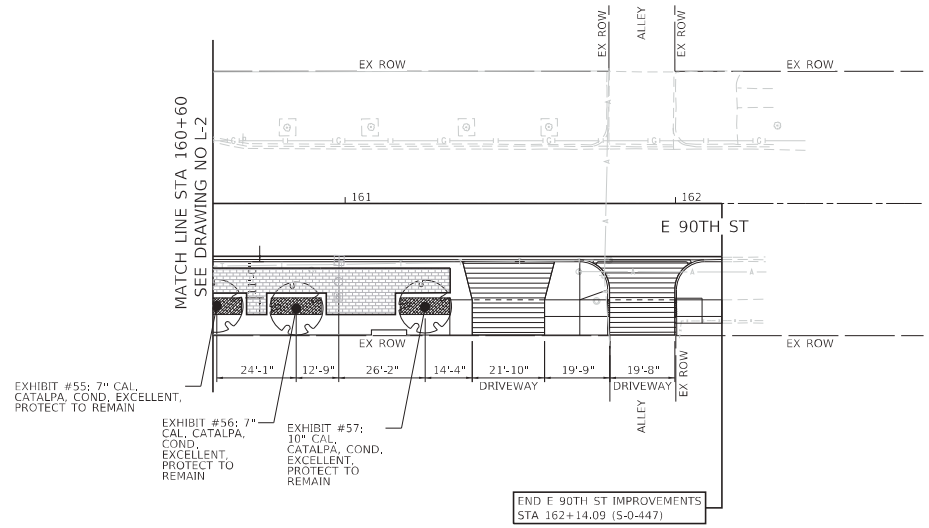
S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

LANDSCAPE PLANS
E 91ST ST

SCALE: 1" = 20' | SHEET L-4 OF L-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **L-4**
SHEET NO. 116 OF 207





LEGEND

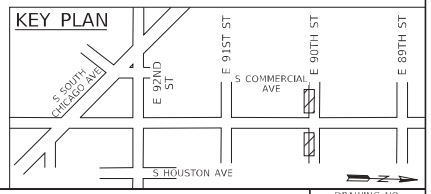
- 5' X 15' OPEN TREE PIT
- PROPOSED BUS SHELTER (BY OTHERS)
- PROPOSED TREE (SEE TREE PROPOSAL SCHED.)
- EXISTING TREE REMOVE AND REPLACE (SEE TREE REMOVAL SCHED.)
- EXISTING TREE TO BE REMOVED (SEE TREE REMOVAL SCHED.)
- EXISTING TREE PROTECT TO REMAIN (SEE TREE PROTECTION SCHED.)
- GATEWAY LIGHT POLE (SEE ELECTRICAL PLANS FOR DETAILS)
- PEDESTRIAN LIGHT POLE (SEE ELECTRICAL PLANS FOR DETAILS)

0 20 40 60
SCALE IN FEET

TREE PROPOSAL SCHEDULE

TREE TYPE	QTY	SHEET L-1	L-2	L-3	L-4	L-5	BOTANICAL / COMMON NAME	ROOT	CAL.	REMARKS	SIZE
GB	7		4		3		Ginkgo biloba / Maidenhair Tree	B & B	2.5" Cal	Male Only	50' mature height
GD	8	2	3	3			Gymnocladus dioica / Kentucky Coffeetree	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
CO	5	3			2		Celtis occidentalis 'Chicagoland' / Chicagoland Hackberry	B & B	2.5" Cal	Full, Matched, Straight	50' mature height
QI	7			6	1		Quercus imbricaria / Shingle Oak	B & B	2.5" Cal	Full, Matched, Straight	50' mature height
TD	7	1			3	3	Taxodium distichum 'Mickelson' TM / Shawnee Brave Bald Cypress	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
UM	3		2		1		Ulmus minor / New Horizon Elm	B & B	2.5" Cal	Full, Matched, Straight	60' mature height
SR	2		2				Syringa reticulata / Ivory Silk Japanese Tree Lilac	B & B	2.0" Cal	Single Stem, Full Specimen	30' mature height

KEY PLAN



DESIGNED	- I. SALVADOR		
DRAWN	- J. WORTHINGTON		
CHECKED	- M. ALSHARBINI		
DATE	- 08-12-2022	REVISED BY	DATE

DESCRIPTION

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

LANDSCAPE PLANS
E 90TH ST

SCALE: 1" = 20' | SHEET L-5 OF L-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **L-5**
SHEET NO. 117 OF 207

PLOT DATE = 8/12/2022

MODEL: Default
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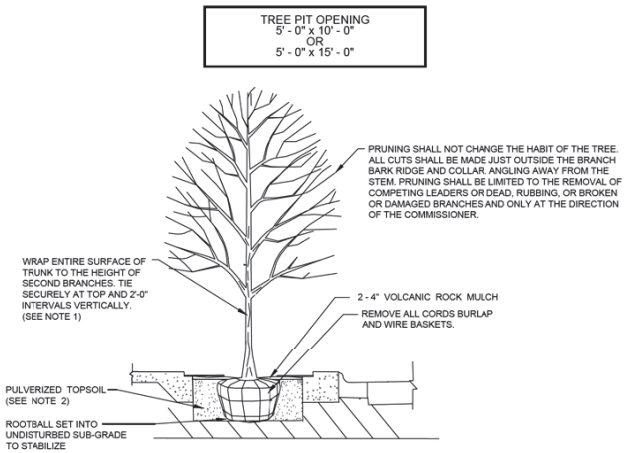


TREE PLANTING - CROSS SECTION
N. T. S.

NOTES:

1. TREE WRAP SHOULD ONLY BE INSTALLED DURING THE FALL PLANTING SEASON ON SPECIES SUSCEPTIBLE TO FROST. CRACKING OR SUN SCALD SUCH AS, BUT NOT LIMITED TO, THE FOLLOWING: ACER, POPULAS, TILIA, LIRIODENDRON AND FRAXINUS AMERICANA.

2. SEE PLANTING SPECIFICATION FOR BACKFILL MATERIAL.

3. CONTRACTOR SHALL NOT LIFT TREE BY WIRE BASKET OR TRUNK.

4. VOLCANIC ROCK MULCH AND PULVERIZED TOPSOIL ARE ALL
INCIDENTAL TO TREE (IN PARKWAY OR TREEPIT).

5. STRUCTURAL SOIL IS TO BE PLACED ON EXISTING SUBGRADE AT 12" THICK BELOW THE PROPOSED SIDEWALK. IT SHALL BE PLACED IN 5' BANDS BETWEEN A GROUPING OF TREE PITS ENDING 8' PAST THE CENTER OF THE LAST TREES IN THE GROUP.

6. HAND EXCAVATION IS REQUIRED AT LEAST 18 INCHES ON EITHER SIDE OF A MARKED FACILITY. CONTRACTOR/ EXCAVATOR IS EXPECTED TO HONOR ALL TIME/ MARKING REQUIREMENTS AND DIG IN A REASONABLE AND PRUDENT MANNER. TAKING ALL REASONABLE AND REQUIRED PRECAUCTIONS TO AVOID DAMAGING UNDERGROUND FACILITIES. IF DAMAGE TO AN UNDERGROUND FACILITY SHOULD OCCUR, IMMEDIATELY CALL CUAN AT (312) 744 - 7000 TO REPORT THE DAMAGE. THE CONTRACTOR MUST ALSO IMMEDIATELY NOTIFY THE OWNER OF THE DAMAGED FACILITY.

DATE	REVISION	CITY OF CHICAGO		
		TREE PIT DETAIL WITH NO TREE GRATE REVISED FOR 5' x 15' PIT		
		DATE	SHEET A-5-2B	DRAWN BY

DESIGNED - I. SALVADOR			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

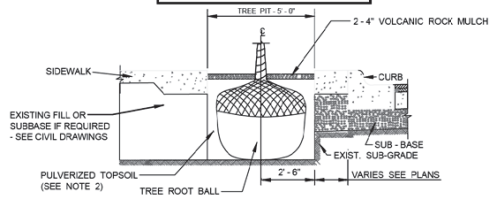
LANDSCAPE PLANS
LANDSCAPE DETAILS

SCALE: NTS | SHEET L-6 OF L-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

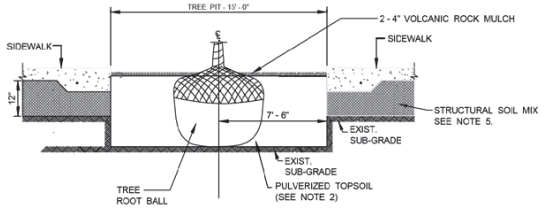
DRAWING NO. L–6
SHEET NO. 118 OF 207

MODEL: Default
FILE NAME: C:\Users\jworthington\Documents\10980s\10812.000\cad\sheets\Section 1\ARC-10812-S1-Landscape-Details1.dgn

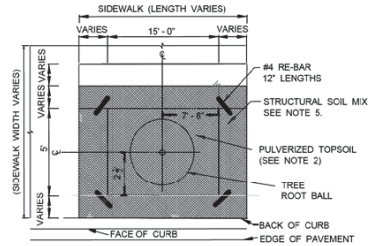
TREE PIT OPENING
5' - 0" x 10' - 0"
OR
5' - 0" x 15' - 0"



TREE PIT - CROSS SECTION
N. T. S.



TREE PIT - LONGITUDINAL SECTION
N. T. S.



TREE PIT - PLAN VIEW STRUCTURAL SOIL
N. T. S.

NOTES:

1. TREE WRAP SHOULD ONLY BE INSTALLED DURING THE FALL PLANTING SEASON ON SPECIES SUSCEPTIBLE TO FROST CRACKING OR SUN SCALD SUCH AS, BUT NOT LIMITED TO, THE FOLLOWING: ACER, POPULAS, TILIA, LIRIODENDRON AND FRAXINUS AMERICANA.

2. SEE PLANTING SPECIFICATION FOR BACKFILL MATERIAL.

3. CONTRACTOR SHALL NOT LIFT TREE BY WIRE BASKET OR TRUNK.

4. VOLCANIC ROCK MULCH AND PULVERIZED TOPSOIL ARE ALL INCIDENTAL TO TREE (IN PARKWAY OR TREEPIT).

5. STRUCTURAL SOIL IS TO BE PLACED ON EXISTING SUBGRADE AT 12" THICK BELOW THE PROPOSED SIDEWALK. IT SHALL BE PLACED IN 5' BANDS BETWEEN A GROUPING OF TREE PITS ENDING 6' PAST THE CENTER OF THE LAST TREES IN THE GROUP.

6. HAND EXCAVATION IS REQUIRED AT LEAST 18 INCHES ON EITHER SIDE OF A MARKED FACILITY. CONTRACTOR/ EXCAVATOR IS EXPECTED TO HONOR ALL TIME/ MARKING REQUIREMENTS AND DIG IN A REASONABLE AND PRUDENT MANNER, TAKING ALL REASONABLE AND REQUIRED PRECAUCTIONS TO AVOID DAMAGING UNDERGROUND FACILITIES. IF DAMAGE TO AN UNDERGROUND FACILITY SHOULD OCCUR, IMMEDIATELY CALL CUAN AT (312) 744 - 7000 TO REPORT THE DAMAGE. THE CONTRACTOR MUST ALSO IMMEDIATELY NOTIFY THE OWNER OF THE DAMAGED FACILITY.

DATE	REVISION	CITY OF CHICAGO		
		TREE PIT DETAIL WITH NO TREE GRATE REVISED FOR 5' x 15' PIT		
		DATE	SHEET A-5-2C	DRAWN BY

DESIGNED - I. SALVADOR			
DRAWN - J. WORTHINGTON			
CHECKED - M. ALSHARBINI			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

LANDSCAPE PLANS
LANDSCAPE DETAILS

SCALE: NTS | SHEET I-7 OF I-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. L-7
SHEET NO. 119 OF 207

MODEL: Default
FILE NAME: C:\Users\esc-apw.bentley.com\benesch\Documents\10800s\10812.00\Dgn_Docs\Landscaping\Plans\Section 1\ARC-10812-S1-Landscape-Detail02.dgn

TREE DIAMETER	DISTANCE OF TUNNEL FROM TREE TRUNK	DISTANCE OF OPEN BYPASS TRENCH FROM TREE TRUNK
INCHES	FEET	FEET
2	2	3
3	3	6
6	5*	10
12	6*	12
18	7*	14
24+	8*	16

* DEPENDENT ON PARKWAY WIDTH

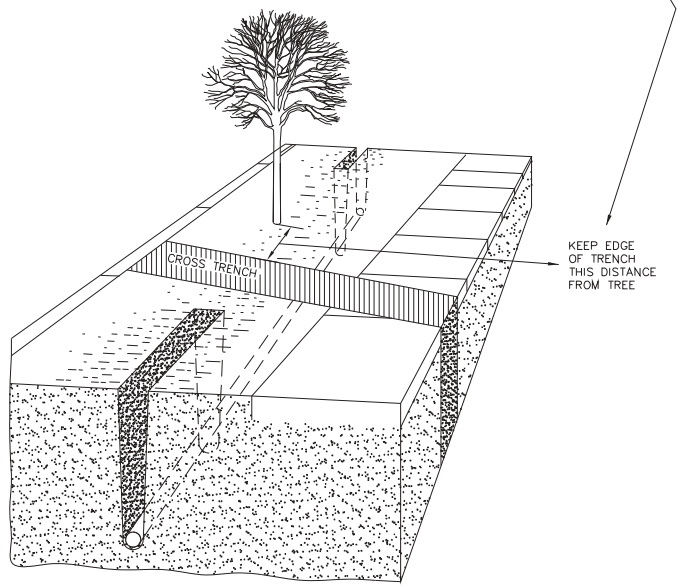


DIAGRAM ILLUSTRATING THE USE OF SOIL AUGERS IN THE PRESENCE OF TREES.

DATE	REVISION	CITY OF CHICAGO		
01.01.2014	REVISION 1	TRENCH GUIDELINES FOR INSTALLATION OF UNDERGROUND UTILITIES ADJACENT TO TREES		
		DATE	SHEET	DRAWN BY
		01. 11. '07	A-5-3	CDOT

DESIGNED - I. SALVADOR				benesch	Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1
DRAWN - J. WORTHINGTON					
CHECKED - M. ALSHARBINI					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

LANDSCAPE PLANS
LANDSCAPE DETAILS

SCALE: NTS | SHEET L-8 OF L-8 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **L-8**
SHEET NO. 120 OF 207

PLOT DATE = 8/11/2022

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PROPOSED	PRESENT	
		SIGNAL. TRAFFIC 3 SECTION 1-WAY ADJUSTABLE. 12" OR AS NOTED
		SIGNAL. TRAFFIC 3 SECTION 2-WAY ADJUSTABLE. 12" OR AS NOTED
		SIGNAL OPTICALLY PROGRAMMED
		SIGNAL. PEDESTRIAN. COUNTDOWN
		SIGNAL. PEDESTRIAN. DON'T WALK/WALK
		SIGNAL FACE ARROW. 12" COLOR AS NOTED
		SIGNAL FACE. 1 SECTION YELLOW/GREEN ARROW DUAL INDICATION
		PUSH BUTTON. PEDESTRIAN
		SIGN. ILLUMINATED. WITH MESSAGE OR SYMBOL AS INDICATED
		MAST ARM. MONOTUBE. STEEL. SIZE AS INDICATED (SEE DWG. #870)
		MAST ARM. TRUSS. ALUMINUM. SIZE AS INDICATED
		CONTROLLER. TRAFFIC SIGNAL. PEDESTAL OR BASE MOUNTED AS INDICATED
		CONTROLLER. STREET LIGHTING. PEDESTAL OR BASE MOUNTED. (DWG. 876 or 880)
		CONTROLLER.STREET LIGHTING. POLE MOUNTED (DWG. #11940)
		POLE. WOOD. COMMONWEALTH EDISON COMPANY. SERVICE
		POLE. CITY STEEL. ANCHOR BASE. 34'6",7 GA. 10" DI A. AND 15"B.C. 24"X7' FND. W/1¼" ANCHOR RODS DRG. #818.
		POLE. CITY STEEL. ANCHOR BASE. 34'-6". 3 GA. 10" DIA. AND 15" B.C. 24"X9' FND. W/1¼" ANCHOR RODS DRG. #818 (16'.20'or 26'M.A.)
		POLE. CITY STEEL. ANCHOR BASE. 34"-6". 3GA.. 11" DIA. AND 17 ¼" B.C. 30"X9' FND. W/1¼" ANCHOR RODS DRG. #816. (30' M.A.)
		POLE. CITY STEEL. ANCHOR BASE 34'-6". 3 GA. 12 ¼" DIA. AND 16¼"B.C. 30"X11' FND. W/1¼" ANCHOR RODS DRG.#817. (35'.40'or 44' M.A.)
		POLE. CITY STEEL. ANCHOR BASE. 32'-6". 3 GA. 10" DIA.. WITH 3 GA. BAL. HSG. BASE AND 17¼" B. C. ON 30"X9' FND. W/ 11/4" ANCHOR RODS DRG. #816.
		POLE. CITY STEEL. ANCHOR BASE. 20'.27'-6".29'-6". 7 GA. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DRG. #716.
		POLE.CITY STEEL. ANCHOR BASE. 20'.27'-6".29'-6". 3 GA.. WITH STEEL BAL. HSG. BASE AND FND. W/10" D. B.C. AND 1" ANCHOR RODS DWG.#719.
		POLE. CITY STEEL. ANCHOR BASE. 20'.27'-6". 29'-6" 7 GA.. AND ALUMINUM RESIDENTIAL DAVIT.AND FND. WITH 10" B.C. AND 1" ANCHOR RODSDWG#565 (CONCRETE) OR DWG.#936 (HELIX).
		POLE. CITY STEEL. ANCHOR BASE. 20'.27'-6".29'-6" 3 GA..AND FND. WITH 10" B.C. AND 1" ANCHOR RODS DWG. #565 (CONCRETE) OR DWG.#936 (HELIX).
		POLE . CITY STEEL. ANCHOR BASE. 32'-6". 7 GA.. AND FND. WITH BC11 AND 1" ANCHOR RODS DWG. #753.
		POLE. CITY STEEL. ANCHR BASE. 32'-6". 3 GA.. AND FND. WITH BC11 AND 1" ANCHOR RODS DWG. #753.
		POLE. CITY STEEL. ANCHOR BASE. 32'-6" 7 GA.. ALUM. BHB AND FND. WITH 15" B.C.-24"X7' WITH 1" ANCHOR RODS DRG. #691.
		POLE. CITY STEEL. ANCHOR BASE. 32'-6". 3 GA.. ALUM. BHB AND FND. WITH 15" B.C. 24"X 7' WITH 1" ANCHOR RODS DWG. #691.
		POLE. CITY ALUMINUM. WITH ROUND BAL. HSG. BASE. 25'. 28'. or 30' ON FND.WITH 14" B.C.. ACQUIRED FROM CHICAGO PARK DISTRICT.
		POLE. CITY STEEL. EMBEDDED. 4"X 9"X 35' 7 GA.. TAPERED TUBULAR. (DWG. #658)
		POLE. CITY STEEL. EMBEDDED. 4"X 9"X 35' 3 GA.. TAPERED TUBULAR. (DWG. #658)
		POLE. CITY STEEL. EMBEDDED. (ACQUIRED FROM CTA)
		COLUMN.ELEVATED STRUCTURE
		POLE. WOOD. (SIZE AS NOTED)
		POLE. FOUNDATION WITH ELBOWS AS INDICATED.(SIZE AS NOTED)
		POLE. ORNAMENTAL OR OTHER. AS INDICATED ON THE PLANS
		RESIDENTIAL STREET LIGHTING CONTROLLER

PROPOSED	PRESENT	
		MANHOLE. 3'X4'X4' 24" F & C (DWG.#730) (A) 30" F & C (DWG#729) (B)
		MANHOLE. 4'X6'X6' 24" F & C (DWG.#732) (C) 30" F & C (DWG#733) (D)
		HANDHOLE. HEAVY DUTY. 36" I.D. (DWG.#866) 24" F & C (E). (DWG#871) 30" F & C (F)
		HANDHOLE. CIRCULAR WITH 24"FRAME & COVER.30"I.D. (#867) (G)
		FOUNDATION. CONTROLLER OR PEDESTAL. 13" B.C.-20"X5' (DWG. #709)
		FOUNDATION. TRAFFIC CONTROLLER DWG. #854. F.A. TERMINAL FND. DWG. #11972
		FOUNDATION. TRAFFIC TYPE "P". BASE MOUNT. (DWG. #888)
		FOUNDATION.CONTROLLER STREET LIGHT .SPECIAL. 100A & 200A. (DWG.#876 & # 880)
		FOUNDATION. TRANSCLOSURE: TRANSCLOSURE HOUSING. (DWG.# 583 & #891)
		CONTROLLER.UNDERPASS LIGHTING 120V. & 240V. (DWG. #860 & #861)
		MANHOLE. UTILITY. E=COMMONWEALTH EDISON: T=ILL.BELL TEL.: G=PEOPLES GAS: W=CITY WATER: P=CHGO PARK DISTRICT: CTA=C.T.A: S= SEWER
		JUNCTION BOX. IN PAVEMENT (DWG. #815)
		DETECTOR LOOP IN PAVEMENT
2D	2D	CONDUIT or P.V.C.. NUMBER.SIZE & TYPE. (AS NOTED)
		CONDUIT or P.V.C. ENCASED IN CONCRETE. (SECTION or NUMBER OF CONDUIT INDICATED
		LUMINAIRE. H.P.S.V. 400W LAMP. 240V. SEMI-CUTOFF
		LUMINAIRE. H.P.S.V. 400W LAMP. 240V. CUTOFF
		LUMINAIRE. H.P.S.V. 310W LAMP. 240V
		LUMINAIRE. H.P.S.V. 310W LAMP 240V. CUTOFF
		LUMINAIRE. H.P.S.V. 150W LAMP. 240V
		LUMINAIRE. H.P.S.V. 150W LAMP. 120V
		LUMINAIRE. H.P.S.V. 250W LAMP. 120V. (ALLEY LIGHT)
		LUMINAIRE. H.P.S.V. 250W LAMP. 120V
		LUMINAIRE. H.P.S.V. 400W LAMP. 240V. (FLOOD LIGHT)
		TERMINAL. CABINET F.A. & P.C.
		FIRE ALARM BOX. MOUNTED
		FIRE ALARM BOX. POLE MOUNTED
PR	PR	CABLE. TRAFFIC SIGNAL. COMMUNICATION. 1-PAIR #14 SHIELDED. IN CONDUIT
2	2	CABLE. TRAFFIC SIGNAL POWER SUPPLY. 2/C- #4. 600 V. EPR. IN CONDUIT
III	III	CABLE. TRAFFIC SIGNAL POWER SUPPLY. 2 1/C-#2 or #1/0 600V. EPR IN CONDUIT
II	II	CABLE. TRAFFIC SIGNAL POWER SUPPLY. 2/C-#10 or #6. 600V NSRI. IN CONDUIT
VII	VII	CABLE. TRAFFIC SIGNAL. 7/C-#12 or #14. 600V. EPR IN CONDUIT
X	X	CABLE. TRAFFIC SIGNAL. 10/C-#12 600V. EPR IN CONDUIT
XIV	XIV	CABLE. TRAFFIC SIGNAL. 14/C-#14. 600V. EPR IN CONDUIT
XIX	XIX	CABLE. TRAFFIC SIGNAL. 19/C-#12 600V. EPR IN CONDUIT
2N	2N	CABLE. STREET LIGHT. 2 1/C-#6. 600V. RINS IN PARKWAY
2NC	2NC	CABLE. STREET LIGHT. 2 1/C-#6. 600V. RINS IN CONDUIT
3TC	3TC	CABLE. STREET LIGHT. 2 1/C-#6 EPRN 600V. & 1 1/C-#8 GREEN. TRIPLEXED.IN CONDUIT
3NC	3NC	CABLE. STREET LIGHT. 3 1/C-#1/0. or #2/0. or #4. 600V. EPR IN CONDUIT
2W	2W	WIRE. STREET LIGHT. 2 1/C-#6. HDNS. AERIAL
3W	3W	WIRE. STREET LIGHT. 2 1/C-#6 & 1 1/C #8. HDNS. AERIAL
III	III	CABLE. STREET LIGHT AERIAL. 3 1/C-#4 or #2 SELF SUPPORTING. 600V EPR
FA	FA	WIRE. F.A. & P.C. AERIAL. 1/C-#10. NUMERAL DENOTES QUANTITY
PR	PR	CABLE. F.A. & P.C. AERIAL. W/ MESSENGER #19-(NUMBER OF PAIRS AS INDICATED)
PR 6	PR 6	CABLE. F.A. & P.C. AERIAL. SELF SUPPORTING. #19-(NUMBER OF PAIRS AS INDICATED)
37 PR	37 PR	CABLE. F.A. & P.C.. IN CONDUIT. #19-(NUMBER OF PAIRS AS INDICATED)
		DOWNLIGHT ASSEMBLY. (DWG. #850)
		LIGHT. TRAFFIC SAFETY ISLAND
		FLASHING BEACON & DOWNLIGHT

C.M.H. LUMINAIRES

PROPOSED	PRESENT	
		LUMINAIRE. C.M.H. 315W LAMP. 240V
		LUMINAIRE. C.M.H. 315W LAMP. 240V. (FLOOD)
		LUMINAIRE. C.M.H. 210W LAMP. 240V
		LUMINAIRE. C.M.H. 140W LAMP. 240V
		LUMINAIRE. C.M.H. 140W LAMP. 120V. (ALLEY)
		LUMINAIRE. C.M.H. 90W LAMP. 240V
		LUMINAIRE. C.M.H. 90W LAMP. 240V (ACORN)
		LUMINAIRE. C.M.H. 60W LAMP. 240V (ACORN)

H.P.S.V. ORNAMENTAL LUMINAIRES

PROPOSED	PRESENT	
		310W PENDANT (240V)
		400W PENDANT (240V)
		250W PENDANT (240V)
		150W ACORN (120V)
		150W ACORN (240V)
		50W ACORN (240V)
		100W ACORN (240V)
		150W GLOBE (240V)
		100W GLOBE (240V)
		50W GLOBE (240V)

L.E.D. LUMINAIRES

PROPOSED	PRESENT	
		(400W HPSV EQUIVALENT). 240V
		(100W HPSV EQUIVALENT). 240V. ACORN
		(310W HPSV EQUIVALENT). 240V
		(100/150W HPSV EQUIVALENT). 240V ACORN
		(250W HPSV EQUIVALENT). 240V
		(50W HPSV EQUIVALENT). 240V. ACORN

F	01-08-14	ADDED LED LUMINAIRES	A.VIEU
E	09-19-13	ADDED CMH LUMINAIRES	A.VIEU
D	02-06-04	REVISED/REDRAW	R.POOL/E.I.
C	04-01-02	REVISED/REDRAW	R.POOL/E.I.
B	12-4-01	ADDED ORNAMENTAL SYMBOLS	
A	8-6-96	REDRAWN	
DATE		REVISION	

SUPERSEDES DWG. *

WORK ORDER NO. _____ DATE _____

COST ALLOCATION ACCOUNT _____

APPROPRIATION ACCOUNT _____ MATERIAL _____ LABOR _____

STANDARD CODE FOR TRAFFIC SIGNALS/ STREET LIGHTING

CITY OF CHICAGO
DEPT. OF TRANSPORTATION
DIVISION OF ENGINEERING
ELECTRICAL SECTION

DRAFTSMAN	CHIEF DRAFTSMAN	ENGINEER
R. IVY	R. CARTER	R. POOL/R.C/W.T.

SUPERVISING ENGINEER: ELEC. DESIGN ENGR.

ENGINEER OF ELECTRICITY:

GEN'L SUPT. OF CONSTRUCTION:

DEPUTY COMMISSIONER:

DWG. NO. 826

SIZE: 22"| 36" SCALE: NONE DATE: 09-19-13

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL LEGEND

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-1
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 121 OF 207
SCALE: NO SCALE	
PROJECT NO. B-4-170	CONTRACT NO. 100274

...\826-Latest.dgn 5/9/2014 3:14:19 PM

PLOT DATE = 8/11/2022

ELECTRICAL GENERAL NOTES

1. THE CONTRACTOR SHALL PREPARE A PRELIMINARY SCHEDULE WHEN THE CONTRACT COMMENCES WHICH ESTABLISHES THE PROJECT DATES WHEN THE EXISTING AND TEMPORARY ELECTRICAL SERVICES WILL BE TRANSFERRED TO THE NEW PERMANENT SERVICES AS SHOWN ON THE DRAWINGS. THIS SCHEDULE SHALL BE APPROVED BY THE CONTRACTOR AND RESIDENT ENGINEER, THEN FORWARDED IN WRITING TO THE CITY OF CHICAGO, DIVISION OF ELECTRICAL OPERATIONS (DEO), AND COMED, SUBSEQUENT UPDATING OF THE SCHEDULE MUST BE FORWARDED TO THE ABOVE LISTED ENTITIES AS CHANGES OCCUR IN THE DATES. AT LEAST FIVE (5) WORKING DAYS BEFORE THE ELECTRICAL SERVICES ARE SCHEDULED TO BE TRANSFERRED, THE CONTRACTOR SHALL NOTIFY THE CITY OF CHICAGO DEO AND COMED BY PHONE AND CONFIRM THE REQUEST IN WRITING. ALL ELECTRICAL SERVICE WORK DOCUMENTATION MUST BE FORWARDED TO THE CITY FOR REVIEW AND APPROVAL. THE CONTRACTOR SHALL CONTACT THE FOLLOWING PERSONNEL PRIOR TO STARTING ANY WORK ON THE PRIMARY ELECTRICAL SERVICE EQUIPMENT:

   INSPECTIONAL SERVICES, CDOT DIVISION OF ELECTRICAL OPERATIONS
   312-746-5048
   MR. STEVE TRIBUZZI, COMED MODIFICATIONS
   773-682-1521
   MR. STEVE BYSTRIANSKY, JC DECAUX
   773-410-6200
   MR. JEFF CAIRNS, CHICAGO OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATION
   312-746-9840

2. THE CONTRACTOR SHALL REFER TO THE CIVIL DRAWINGS FOR LOCATIONS OF EXISTING EQUIPMENT AND UTILITIES NOT SPECIFICALLY SHOWN ON THE ELECTRICAL DRAWINGS.

3. RECORD DRAWINGS SHOWING EXISTING STREET LIGHTING INSTALLATIONS AND CABINET LOCATIONS ARE AVAILABLE FOR THE CONTRACTOR'S INFORMATION AT THE OFFICE OF CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION, DIVISION OF ELECTRICAL OPERATIONS.

4. ALL NEW ELECTRICAL EQUIPMENT INSTALLED UNDER THIS CONTRACT SHALL BE DONE IN SUCH A MANNER AS NOT TO DAMAGE THE EXISTING LANDSCAPE (TREES, BUSHES, ETC.) DURING THE PROGRESSION OF THE WORK. IF THE CONTRACTOR HAS A CONFLICT WITH THE EXISTING LANDSCAPE HE SHALL STOP THE WORK, IMMEDIATELY NOTIFY THE RESIDENT ENGINEER, AND WAIT FOR RESOLUTION.

5. THE EXISTING ROADWAY LIGHTING SYSTEM WITHIN THE CONSTRUCTION LIMITS OF THE PROJECT SHALL REMAIN IN OPERATION FOR THE DURATION OF THIS PROJECT UNTIL SUCH TIME THAT THE NEW LIGHTING SYSTEM HAS BEEN INSTALLED, ENERGIZED, TESTED, ADJUSTED, AND ACCEPTED BY THE COMMISSIONER. THE COST OF THIS WORK WILL BE AS PART OF MAINTAIN LIGHTING SYSTEM PAY ITEM AND SEPARATE PAYMENT WILL NOT BE MADE.

6. WORK FOR ELECTRICAL SYSTEMS SHALL BE COMPLETED, APPROVED, AND FULLY OPERATIONAL BEFORE A FINAL ACCEPTANCE INSPECTION FOR THE WHOLE PROJECT CAN BE SCHEDULED. LIGHTING CONTROLLERS MAY NOT BE TRANSFERRED IN GROUPS OR INDIVIDUALLY TO THE CITY FOR MAINTENANCE PURPOSES PRIOR TO CONTRACT COMPLETION UNLESS OTHERWISE DIRECTED BY THE COMMISSIONER.

7. THE EXISTING STREET LIGHTING CONTROLLERS IDENTIFIED ON THE DRAWINGS AS "REMOVE AND SALVAGE" SHALL REMAIN IN SERVICE UNTIL THE NEW STREET LIGHTING CONTROLLERS ARE INSTALLED AND READY TO BE ENERGIZED. ONCE THE EXISTING STREET LIGHTING CONTROLLERS HAVE BEEN DE-ENERGIZED, THE CONTRACTOR WILL HAVE ONE DAY (DAWN TO DUSK) TO ENERGIZE THE NEW STREET LIGHTING CONTROLLERS.

8. DE-ENERGIZING OF EXISTING LIGHTING UNITS WILL BE IN THE COST OF ASSOCIATED ELECTRICAL EQUIPMENT REMOVAL PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.

9. REMOVAL OF EXISTING ELECTRICAL CABLES FEEDING EACH OF THE EXISTING LIGHTING/SIGNAL UNITS WILL BE IN THE COST OF REMOVE EXISTING STREET LIGHT EQUIPMENT AND SEPARATE PAYMENT WILL NOT BE MADE.

10. EXISTING UNDERGROUND RACEWAYS BETWEEN EXISTING LIGHTING UNITS OR EXISTING EQUIPMENT MAY BE ABANDONED, UNLESS OTHERWISE NOTED. ELECTRIC CABLE WITHIN ABANDONED CONDUIT MUST BE REMOVED AND REMOVAL OF CABLE SHALL BE IN THE COST OF ASSOCIATED ELECTRICAL EQUIPMENT REMOVAL PAY ITEMS. ANY ABANDONED CONDUIT SHALL BE PLUGGED PRIOR TO ABANDONMENT.

11. THE CONTRACTOR SHALL PROVIDE AND INSTALL ANY ADDITIONAL TEMPORARY ELECTRICAL EQUIPMENT CONNECTIONS AS NECESSARY TO MAINTAIN EXISTING LIGHTING CONTINUITY AS THE PROPOSED WORK FOR INSTALLATION AND REMOVAL OF EXISTING LIGHTING EQUIPMENT PROGRESS. THE COST OF THIS WORK WILL BE IN MAINTAIN EXISTING LIGHTING.

12. WHERE THE CONTRACTOR'S EXCAVATION MEETS AN OBSTRUCTION OR EXISTING FOUNDATION, THE CONTRACTOR MUST NOTIFY THE COMMISSIONER FOR DIRECTION IN WRITING PRIOR TO FURTHER EXCAVATION. THE CONTRACTOR SHALL RESTORE ANY DAMAGE TO THE EXISTING SYSTEMS OR UTILITIES AND REMOVE EXISTING OBSTRUCTIONS AND FOUNDATIONS TO THE SATISFACTION OF THE COMMISSIONER. THIS WORK WILL BE INCLUDED IN THE APPROPRIATE EXCAVATION PAY ITEM.

13. THE CONTRACTOR SHALL REFER TO ALL CITY OF CHICAGO EDISON SERVICE ATLAS DRAWINGS, COMED DRAWINGS, AND ALL APPLICABLE PRIVATE UTILITY DRAWINGS FOR POSSIBLE UNDERGROUND WIRES, CABLES, CONDUITS, DUCT RUNS, EQUIPMENT, OR DEVICES.

14. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MARKING THE PROPOSED LOCATION OF ALL CITY LIGHT POLES, LUMINAIRES, CABINETS, JUNCTION BOXES, CONDUIT ROUTES, AND OTHER EQUIPMENT AND ITEMS FOR A CONTRACTOR REQUESTED PRE-CONSTRUCTION INSPECTION BY THE COMMISSIONER AND THE CITY OF CHICAGO DIVISION OF ELECTRICAL OPERATIONS. THE EXACT LOCATIONS OF ALL ITEMS SHALL BE APPROVED BY THE CITY OF CHICAGO DIVISION OF ELECTRICAL OPERATIONS PRIOR TO STARTING WORK. ANY WORK INSTALLED WITHOUT LOCATION APPROVAL FROM THE CITY OF CHICAGO DIVISION OF ELECTRICAL OPERATIONS WILL BE SUBJECTED TO CORRECTIVE ACTION AT THE CONTRACTOR'S EXPENSE.

15. THE CONTRACTOR SHALL IDENTIFY EACH ELECTRIC CABLE ASSEMBLY FOR STREET LIGHTING, CABLES SHALL BE TAGGED IN ALL HANDHOLES, MANHOLES, CONTROLLER CABINETS, AND LIGHT POLE BASES.

16. CONDUIT STUB-OUTS IN EQUIPMENT FOUNDATIONS WILL NOT BE MEASURED FOR PAYMENT, BUT WILL BE CONSIDERED AS PART OF THE APPLICABLE FOUNDATION PAY ITEM. REFER TO SPECIFICATIONS.

17. THE QUANTITIES OF RIGID GALVANIZED STEEL AND PVC CONDUIT, WHERE INDICATED ON THESE PLAN DRAWINGS, ARE APPROXIMATIONS ONLY. THE CONTRACTOR SHALL FIELD VERIFY ALL LENGTHS AND SHALL INSTALL RACEWAYS IN COMPLIANCE WITH THE SPECIFIED REQUIREMENTS.

18. WHERE DUCT RUN INSTALLATIONS MUST DEVIATE FROM THAT SHOWN ON DRAWINGS, AND DEVIATIONS INCREASE DUCT LENGTH OR ADDS BENDS BETWEEN MANHOLES, HANDHOLES, OR DEVICES, THE CONTRACTOR SHALL NOTIFY THE COMMISSIONER AND PRODUCE EVIDENCE THAT CABLE CAN BE PULLED THROUGH THE EXISTING OR PROPOSED DUCT WITHOUT EXCEEDING MAXIMUM ALLOWABLE CABLE PULLING TENSION.

19. THE CONTRACTOR SHALL SCHEDULE A FINAL ACCEPTANCE INSPECTION WITH THE COMMISSIONER, THE CITY OF CHICAGO DIVISION OF ELECTRICAL OPERATIONS, UPON COMPLETION OF ALL PROPOSED STREET LIGHTING WORK, UPON FINAL ACCEPTANCE BY DEO, AND THE COMMISSIONER. THE CONTRACTOR SHALL TRANSFER ALL STREET LIGHTING, AND POWER DISTRIBUTION INSTALLATIONS TO THE CITY FOR MAINTENANCE PURPOSES.

20. ALL EMPTY CONDUIT FOR FUTURE USE SHALL HAVE A PULL STRING OR CABLE INSTALLED TO ASSIST IN FUTURE CABLING, THE COST OF THE CABLE OR STRING WILL BE CONSIDERED INCLUDED IN THE COST OF THE CONDUIT.

21. ALL UNDERGROUND CONDUIT SHALL BE 5' FROM ALL 16" AND LARGER WATER MAIN AND 3' FROM ALL OTHER WATER MAIN. ALL ABOVE GROUND CONDUIT SHALL BE 5' FROM ANY WATER MAIN.

22. ALL CONDUITS SHALL BE INSTALLED BY OPEN-CUT / TRENCH UNLESS OTHERWISE NOTED.

ELECTRICAL GENERAL NOTES CONTINUED

22. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT: SPECIFICALLY AS THEY RELATE TO LUMP SUM ITEMS AND UNIT PRICE ITEMS.

23. ALL NEW CONDUITS, DUCT BANKS, MANHOLES, HANDHOLES, JUNCTION BOXES, AND APPURTENANCES, ARE LOCATED DIAGRAMMATICALLY ON THE PLANS UNLESS NOTED OTHERWISE. THE ACTUAL LOCATION IN THE FIELD SHALL MEET WITH APPROVAL OF THE COMMISSIONER.

24. THE ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH:

   - THE NATIONAL ELECTRICAL CODE
   - NATIONAL ELECTRICAL SAFETY CODE
   - THE CHICAGO ELECTRICAL CODE
   - STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION
   - STANDARDS FOR CDOT DIVISION OF ELECTRICAL OPERATIONS AND APPLICABLE ORGANIZATIONS LISTED IN ARTICLE 101.01
   - CDOT AND IDOT SPECIFICATIONS

25. PRIOR TO THE INSTALLATION OF NEW CONDUITS, JUNCTION BOXES, LIGHTING STANDARDS FOUNDATIONS AND APPURTENANCES, THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF EXISTING LIGHTING CONDUITS, CABLES AND UNDERGROUND UTILITIES.

26. ELECTRICAL MATERIALS SHALL BE NEW AND OF THE TYPE AND KIND APPROVED BY THE FOLLOWING ORGANIZATIONS:

   - NATIONAL ELECTRICAL MANUFACTURERS ASSOCIATION
   - INSTITUTE OF ELECTRICAL AND ELECTRONIC ENGINEERS
   - AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS
   - U.S. DEPARTMENT OF TRANSPORTATION
   - UNDERWRITERS LABORATORIES, INC.
   - AMERICAN NATIONAL STANDARDS INSTITUTE

27. THE CABLE INSTALLATION FROM THE LIGHTING CONTROL CABINET TO THE LIGHTING STANDARDS SHALL BE CONTINUOUS. SPLICING FOR THE CABLES WILL BE PERMITTED ONLY IN THE BASE OF THE LIGHTING STANDARDS AND ABOVE GROUND JUNCTION BOXES.

28. CONDUITS SHALL BE POSITIONED IN THE FIELD TO AVOID CONFLICT WITH SEWER DRAINS AND OTHER UTILITIES.

29. WHERE MULTIPLE CONDUITS ADJACENT TO EACH OTHER ARE INSTALLED IN A COMMON TRENCH, TRENCH AND BACKFILL FOR ELECTRICAL WORK WILL NOT BE PAID FOR EACH CONDUIT BUT WILL BE PAID FOR THE LENGTH OF THE COMMON TRENCH ONLY.

30. THE GROUND RODS FOR MANHOLES, SERVICES AND REQUIRED GROUND OF EQUIPMENT SHALL BE CONSIDERED WITH THE RELATED PAY ITEM. NO EXTRA COMPENSATION WILL BE ALLOWED FOR GROUND RODS AND RELATED INSTALLATION.

31. ALL PVC CONDUIT UNDER PAVEMENT OR DRIVEWAYS SHALL BE SCHEDULE 80.

32. ALL LUMINAIRE OPTICS SHALL BE ORIENTATED WITH THE LAMPS 0 DEGREES AND PERPENDICULAR TO THE ROADWAY UNLESS OTHERWISE INDICATED OR DIRECTED BY THE COMMISSIONER. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE APPLICABLE LUMINAIRES PAY ITEMS. SEPARATE PAYMENT WILL NOT BE MADE.

33. FOUNDATIONS ARE MEASURED FROM THE FACE OF CURB TO THE CENTER OF FOUNDATION.

34. CONTRACTOR SHALL PERFORM A RESISTANCE TEST PRIOR TO ENERGIZING THE CIRCUIT.

35. CONTRACTOR SHALL UTILIZE THE EXISTING HANDHOLES WHERE POSSIBLE.

36. CONTRACTOR SHALL BE RESPONSIBLE TO COORDINATE ELECTRICAL WORK WITH OTHER TRADES, WHERE APPLICABLE.

37. DAMAGE TO ANY EXISTING STREET LIGHTING EQUIPMENT DUE TO THE CONSTRUCTION SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE EQUIPMENT SHALL BE REPLACED OR REPAIRED AS DIRECTED BY THE ENGINEER WITH MATERIAL EQUAL OR BETTER THAN THE EXISTING MATERIAL.

38. THE CITY OF CHICAGO LIGHT POLES, MAST ARMS, AND LUMINAIRES SHALL BE REMOVED BY THE CONTRACTOR AS INDICATED ON THE PLANS AND AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHALL COORDINATE THE DELIVERY OF THESE EQUIPMENT WITH THE CITY OF CHICAGO DEPARTMENT OF ELECTRICAL OPERATION. THE COST OF DELIVERING THE LIGHT POLES, MAST ARMS, AND LUMINAIRES SHALL BE INCLUDED IN THIS CONTRACT UNIT PRICE FOR THE REMOVAL OF THE MENTIONED ITEMS. NO ADDITIONAL COST WILL BE ALLOWED.

39. THE REMOVAL OF EXISTING LIGHT POLES SHALL BE COORDINATED WITH THE MOT PLANS AS TO MAINTAIN ADEQUATE ILLUMINATION AT ALL TIMES.

40. IN AREAS WHERE EXPLORATORY EXCAVATION (POTHOLING) IS REQUIRED FOR POLE INSTALLATION, EXPLORATORY EXCAVATION SHALL BE DONE 5' OFFSET ON EITHER SIDE OF THE PROPOSED POLE FOUNDATION TO ACCURATELY DETERMINE THE RUNNING LINE OF THE UTILITY IN QUESTION PRIOR TO FOUNDATION INSTALLATION.

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

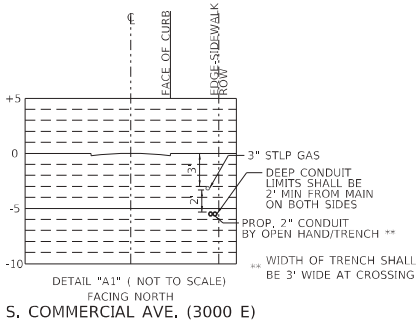
ELECTRICAL GENERAL NOTES

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-2
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 122 OF 207
CCE #:	
SCALE: NO SCALE	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: brandon.bernacki on benesch.com
File: I:\projects\Commercial Ave\Roadway\Documents\10800s\10812.00\Eng Docs\Lighting\Plans\Section 1\10812-S1-Lighting-general-notes-v01.dgn

PLOT DATE = 8/11/2022



DETAIL "A1" (NOT TO SCALE)
FACING NORTH

S. COMMERCIAL AVE. (3000 E)

SEE VALUTED SIDEWALK SHEETS FOR VAULTED SIDEWALK LOCATIONS

LEGEND

A1	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 1.5' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A2	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 3.0' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A3	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 4.5' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A4	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 5.0' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A5	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 10.5' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A6	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 16.5' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A7	INSTALL 10" B,C X 5' HELIX FOUNDATION AS PER DWG. NO. 936. 6' OFF FACE OF CURB UNLESS NOTED OTHERWISE
B	INSTALL 30" HANDHOLE AS PER DWG. NO. 867 WITH 24" FRAME AND COVER
C	ADJUST EXISTING HANDHOLE / MANHOLE TO GRADE
D	DRILL INTO EXISTING HANDHOLE / MANHOLE
D1	CLEAN EXISTING HANDHOLE / MANHOLE
E	INSTALL 2" ELBOW AND RISER
E1	INSTALL 3" ELBOW AND RISER
I	INTERCEPT EXISTING CONDUIT
J	INSTALL CONCRETE FOUNDATION FOR BASE MOUNTED STREET LIGHTING CONTROLLER AS PER DWG. NO. 880
- - -	PROPOSED LIGHTING & F/A CONDUIT (SCHEDULE 80)

SCALE IN FEET

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

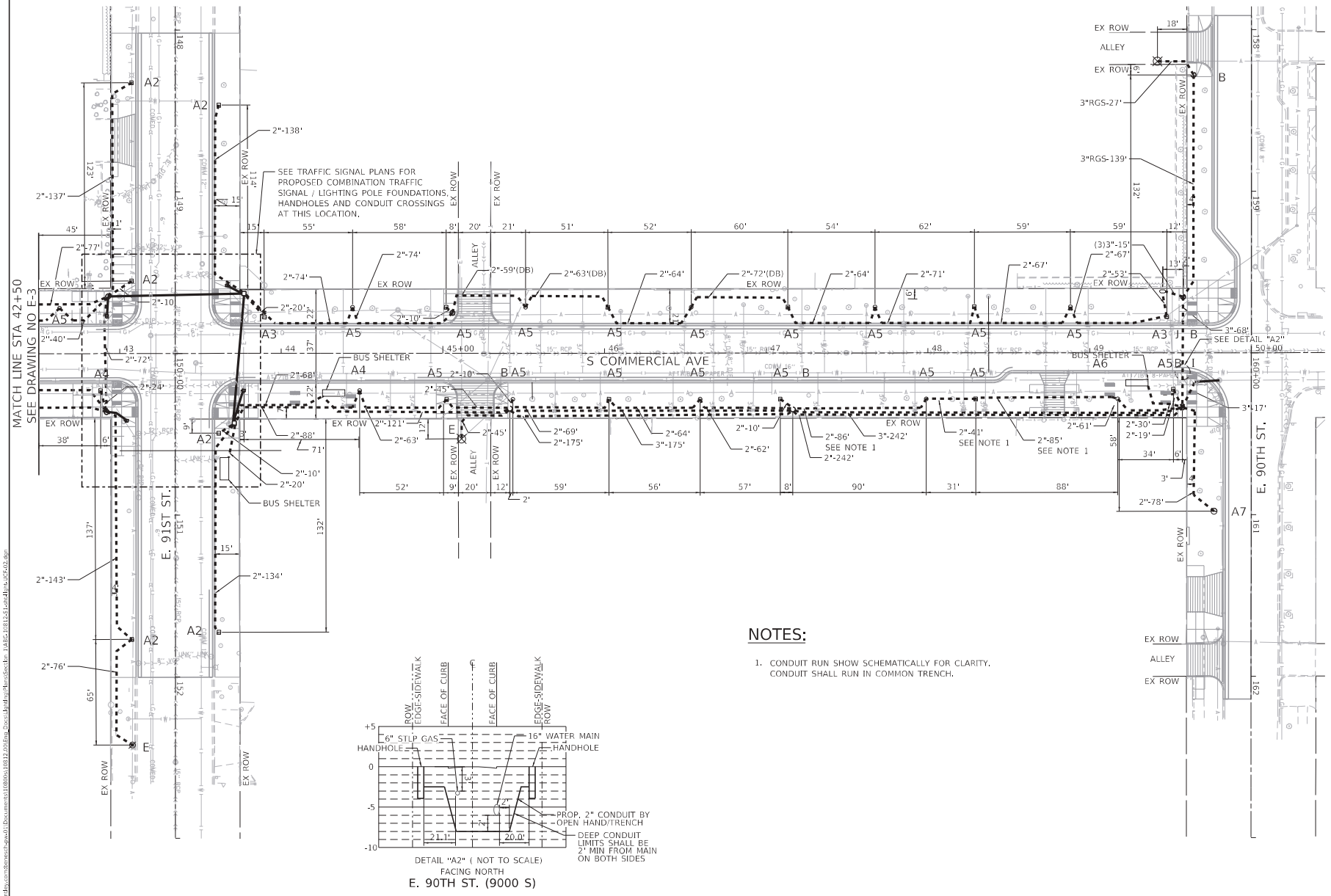
UNDERGROUND CONDUIT FACILITIES PLANS S COMMERCIAL AVE

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-3
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 123 OF 207
SCALE: 1" = 30'	
PROJECT NO. B-4-170	CONTRACT NO. 100274

CDOT DWG. NO 22-068
ATLAS NO. X-44W

PLOT DATE = 8/12/2022



DETAIL "A2" (NOT TO SCALE)
FACING NORTH
E. 90TH ST. (9000 S)

NOTES:

1. CONDUIT RUN SHOW SCHEMATICALLY FOR CLARITY. CONDUIT SHALL RUN IN COMMON TRENCH.

SEE VALUTED SIDEWALK SHEETS FOR VAULTED SIDEWALK LOCATIONS

0 30 60 90
SCALE IN FEET

LEGEND

A1	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 1.5' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A2	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 3.0' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A3	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 4.5' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A4	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953. 5.0' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A5	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953, 10.5' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A6	INSTALL 28" X 7" CONCRETE FOUNDATION WITH 11/4" ANCHOR RODS AS PER DWG. NO. 953, 16.5' OFF FACE OF CURB, UNLESS NOTED OTHERWISE
A7	INSTALL 10" B,C X 5' HELIX FOUNDATION AS PER DWG, NO, 936, 6' OFF FACE OF CURB UNLESS NOTED OTHERWISE
B	INSTALL 30" HANDHOLE AS PER DWG, NO, 867 WITH 24" FRAME AND COVER
C	ADJUST EXISTING HANDHOLE / MANHOLE TO GRADE
D	DRILL INTO EXISTING HANDHOLE / MANHOLE
D1	CLEAN EXISTING HANDHOLE / MANHOLE
E	INSTALL 2" ELBOW AND RISER
E1	INSTALL 3" ELBOW AND RISER
I	INTERCEPT EXISTING CONDUIT
J	INSTALL CONCRETE FOUNDATION FOR BASE MOUNTED STREET LIGHTING CONTROLLER AS PER DWG, NO, 880
	PROPOSED LIGHTING & F/A CONDUIT (SCHEDULE 80)

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

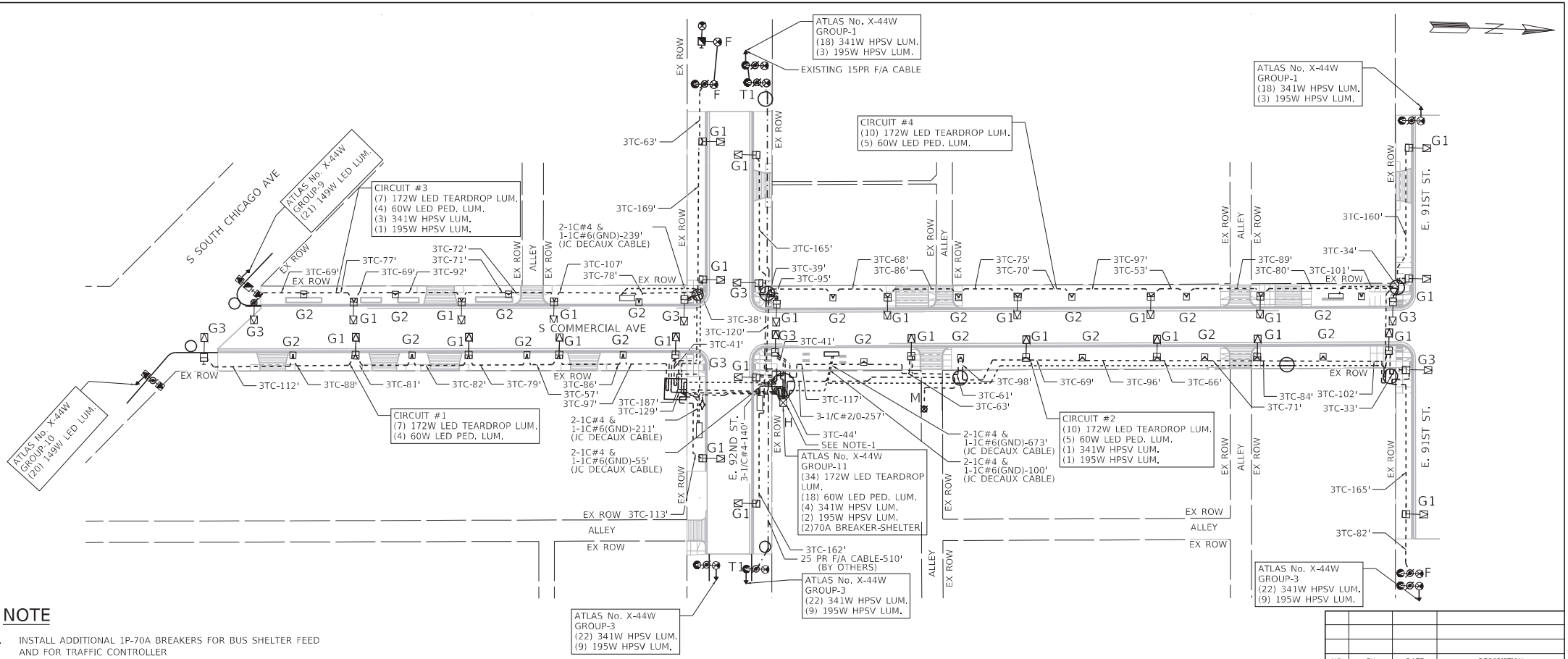
UNDERGROUND CONDUIT FACILITIES PLANS S COMMERCIAL AVE

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-4
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 124 OF 207
SCALE: 1" = 30'	
PROJECT NO. B-4-170	CONTRACT NO. 100274

CDOT DWG. NO. 22-069
ATLAS NO. X-43/X-44W

PLOT DATE = 8/12/2022



NOTE

1. INSTALL ADDITIONAL 1P-70A BREAKERS FOR BUS SHELTER FEED AND FOR TRAFFIC CONTROLLER

CONTRACTOR TO COORDINATE THE INSTALLATION AND REMOVAL OF F/A CABLE WITH THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS (OEMC)

LEGEND

F	EXISTING POLE TO REMAIN
G1	INSTALL 34'6" STEEL POLE, 8' ARM WITH 172W CHICAGO 2000 PENDANT LED LUMINAIRE W/ NODE AND BASE AS PER DWG. NO. 808, 986, 930C AND 931 W/NODE
G2	INSTALL CHICAGO 2000 PEDESTRIAN POLE AS PER DWG. NO. 928 WITH 60W ACORN LED LUMINAIRE W/NODE
G3	INSTALL ON COMBINATION LIGHT POLE CHICAGO 2000 MAST ARM ASSEMBLY WITH 172W CHICAGO 2000 LED LUMINAIRE W/ NODE
G4	INSTALL POLE, STREET LIGHTING ALUMINIUM, 12.5', RESIDENTIAL WITH 8' DAVIT ARM AS PER DWG. NO. 940 & 945: INSTALL 111W, 240V LED RESIDENTAIL LUMINAIRE W/NODE & 36W, 240V LED ACORN RESIDENTIAL LUMINAIRE
H	INSTALL BASE MOUNTED STREET LIGHTING CONTROLLER CONSTANT POWER PER DWG. NO. 983, 984 SINGLE PHASE, 200A, 240V, 4-2P-50A, PAINTED BLACK. INSTALL 1P-70A CIRCUIT BREAKER FOR BUS SHELTERS
M	INSTALL SERVICE EQUIPMENT AS PER DWG. NO. 11925
S	SPLICE PROPOSED 50PR F/A CABLE WITH EXISTING 30PR F/A CABLE IN HANDHOLE / MANHOLE (BY OTHERS)
T	INSTALL TSS-18 JUNCTION BOX FOR FIRE ALARM (BY OTHERS)
T1	INSTALL 3" SERVICE ENTRANCE HEAD & DEADEND ASSEMBLY W/ STRANDVISE (BY OTHERS)
----	PROPOSED LIGHTING CABLE
—·—	PROPOSED FIRE ALARM CABLE (BY OTHERS)
------	PROPOSED BUS SHELTER CABLE

CDOT DWG. NO. 22-070
ATLAS NO. X-44W

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

PROPOSED LIGHTING INSTALLATION PLANS S COMMERCIAL AVE

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E–5
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 125 OF 207
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

Plot Date: 8/12/2022
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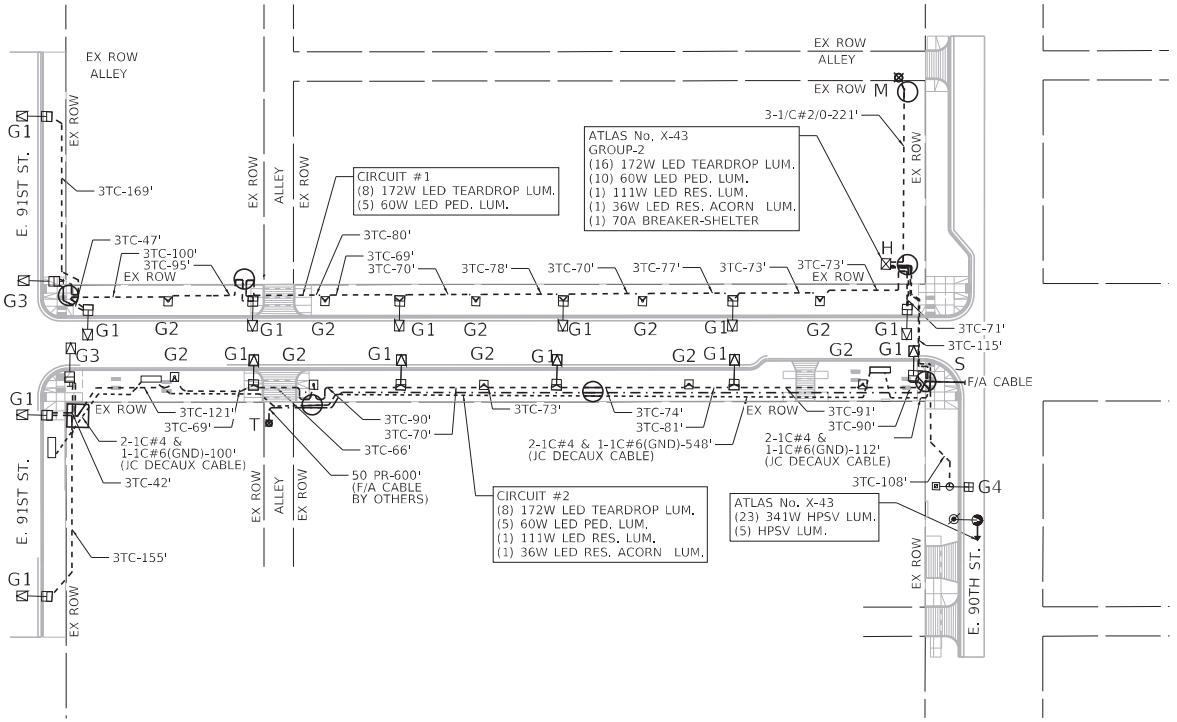
PLOT DATE = 8/12/2022



CONTRACTOR TO COORDINATE THE INSTALLATION AND REMOVAL OF F/A CABLE WITH THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS (OEMC)

LEGEND

F	EXISTING POLE TO REMAIN
G1	INSTALL 34'6" STEEL POLE, 8' ARM WITH 172W CHICAGO 2000 PENDANT LED LUMINAIRE W/ NODE AND BASE AS PER DWG. NO. 808, 986, 930C AND 931 W/NODE
G2	INSTALL CHICAGO 2000 PEDESTRIAN POLE AS PER DWG. NO. 928 WITH 60W ACORN LED LUMINAIRE W/NODE
G3	INSTALL ON COMBINATION LIGHT POLE CHICAGO 2000 MAST ARM ASSEMBLY WITH 172W CHICAGO 2000 LED LUMINAIRE W/ NODE
G4	INSTALL POLE, STREET LIGHTING ALUMINIUM, 12.5', RESIDENTIAL WITH 8' DAVIT ARM AS PER DWG. NO. 940 & 945: INSTALL 111W, 240V LED RESIDENTAIL LUMINAIRE W/NODE & 36W, 240V LED ACORN RESIDENTIAL LUMINAIRE
H	INSTALL BASE MOUNTED STREET LIGHTING CONTROLLER CONSTANT POWER PER DWG. NO. 983, 984 SINGLE PHASE, 200A, 240V, 4-2P-50A, PAINTED BLACK. INSTALL 1P-70A CIRCUIT BREAKER FOR BUS SHELTERS
M	INSTALL SERVICE EQUIPMENT AS PER DWG. NO. 11925
S	SPLICE PROPOSED 50PR F/A CABLE WITH EXISTING 30PR F/A CABLE IN HANDHOLE / MANHOLE (BY OTHERS)
T	INSTALL TSS-18 JUNCTION BOX FOR FIRE ALARM (BY OTHERS)
T1	INSTALL 3" SERVICE ENTRANCE HEAD & DEADEND ASSEMBLY W/ STRANDVISE (BY OTHERS)
----	PROPOSED LIGHTING CABLE
—·—	PROPOSED FIRE ALARM CABLE (BY OTHERS)
------	PROPOSED BUS SHELTER CABLE

CDOT DWG. NO. 22-071
ATLAS NO. X-43/X-44W

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

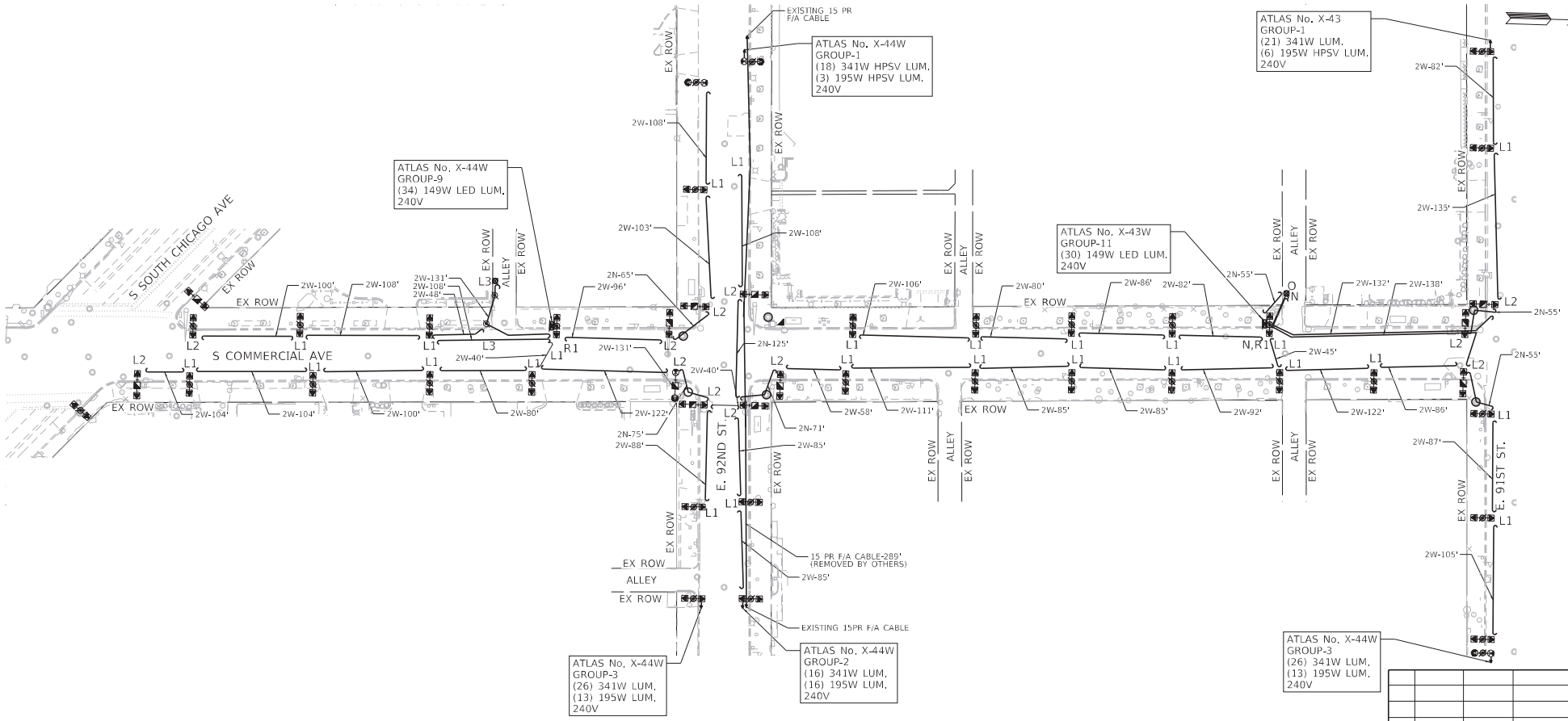
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

PROPOSED LIGHTING INSTALLATION PLANS S COMMERCIAL AVE

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E–6
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 126 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

PLOT DATE = 8/12/2022



CONTRACTOR TO COORDINATE THE INSTALLATION AND REMOVAL OF F/A CABLE WITH THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS (OEMC)

LEGEND

L1	REMOVE EMBEDDED POLE, MAST ARM'S AND LUMINAIRES
L2	REMOVE MAST ARM AND LUMINAIRES
L3	REMOVE EMBEDDED POLE
N	REMOVE ELBOW AND RISER ON POLE
O	REMOVE SERVICE EQUIPMENT
R	REMOVE PEDESTAL MOUNTED LIGHTING CONTROLLER AND BREAKDOWN FOUNDATION
R1	REMOVE CONTROLLER, POLE MOUNTED
R2	REMOVE HANDHOLE/MANHOLE AND BREAKDOWN FOUNDATION

CDOT DWG. NO. 22-072
ATLAS NO. X-44W

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

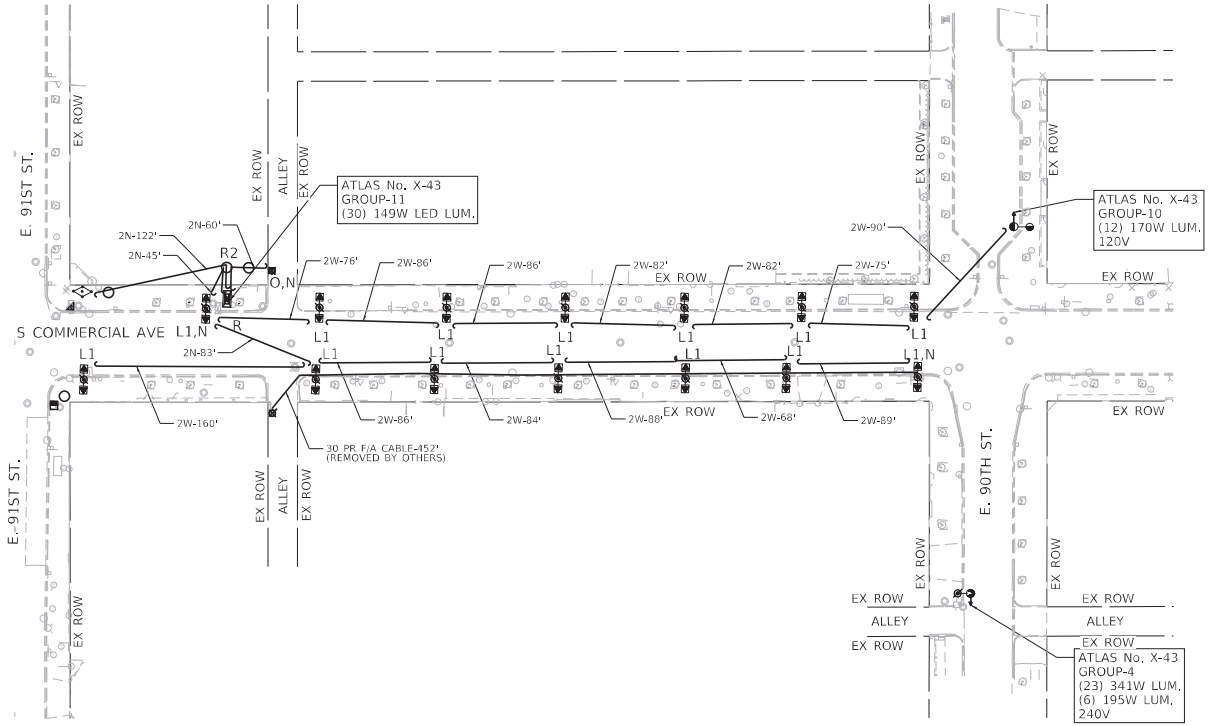
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

LIGHTING REMOVAL PLANS S COMMERCIAL AVE

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-7
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 127 OF 207
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

Plotted: 8/12/2022
By: lawrence.clarence-swaidner@cdot.com
File Name: C:\Users\lawrence-swaidner\Documents\10800s\10812.00\Eng_Docs\LightingPlans\Section 1\ABS-10812-S1-sht-lt-removal-01.dgn
PLOT DATE = 8/12/2022



CONTRACTOR TO COORDINATE THE INSTALLATION AND REMOVAL OF F/A CABLE WITH THE OFFICE OF EMERGENCY MANAGEMENT AND COMMUNICATIONS (OEMC)

LEGEND

L1	REMOVE EMBEDDED POLE, MAST ARM'S AND LUMINAIRES
L2	REMOVE MAST ARM AND LUMINAIRES
L3	REMOVE EMBEDDED POLE
N	REMOVE ELBOW AND RISER ON POLE
O	REMOVE SERVICE EQUIPMENT
R	REMOVE PEDESTAL MOUNTED LIGHTING CONTROLLER AND BREAKDOWN FOUNDATION
R1	REMOVE CONTROLLER, POLE MOUNTED
R2	REMOVE HANDHOLE/MANHOLE AND BREAKDOWN FOUNDATION

CDOT DWG. NO. 22-073
ATLAS NO. X-43/X-44W

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

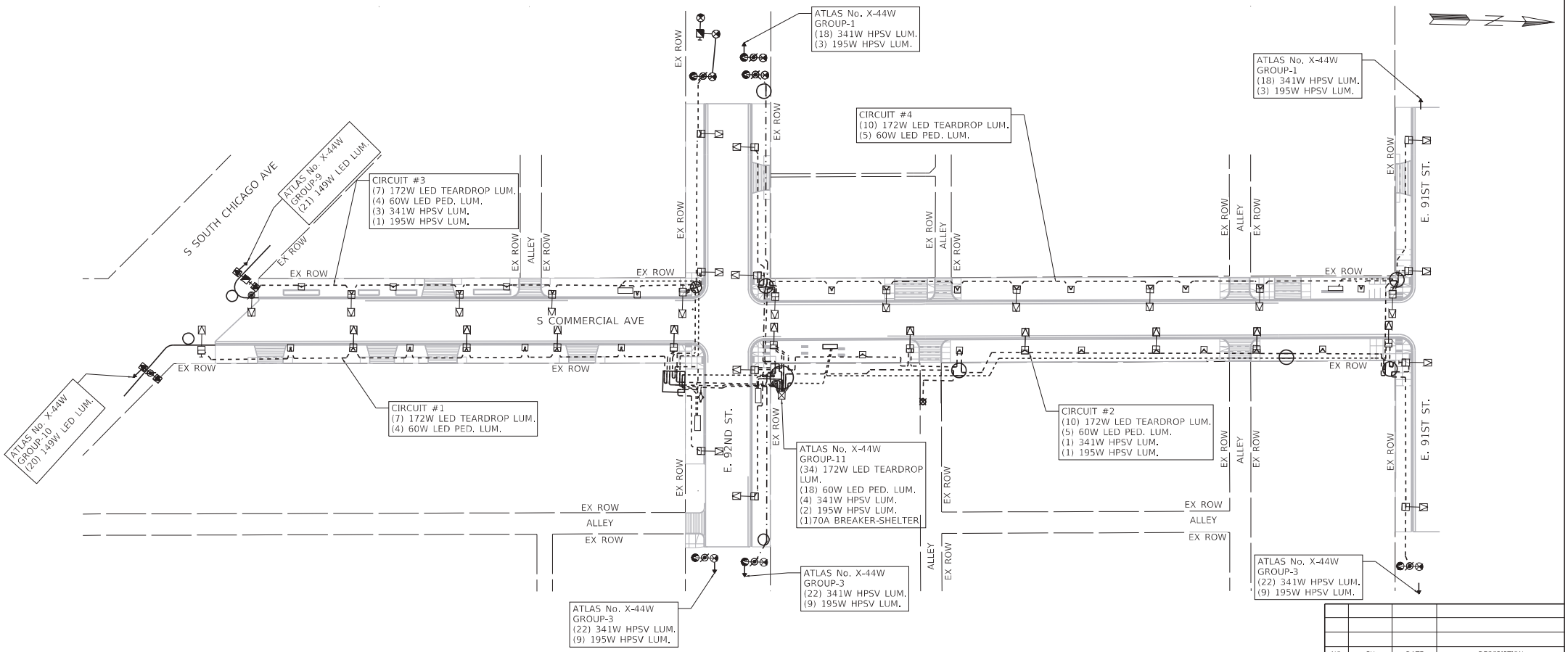
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

LIGHTING REMOVAL PLANS S COMMERCIAL AVE

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-8
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 128 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/12/2022
By: brianscaria on benesch-newberry.com
File: I:\Projects\Lighting\Commercial-newberry.com\benesch-speed\1\Documents\10800s\10812.00\Eng_Docs\Lighting\Plans\Section 1\ABS-10812-S1-Lighting-removal-02.dgn
PLOT DATE = 8/12/2022



NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

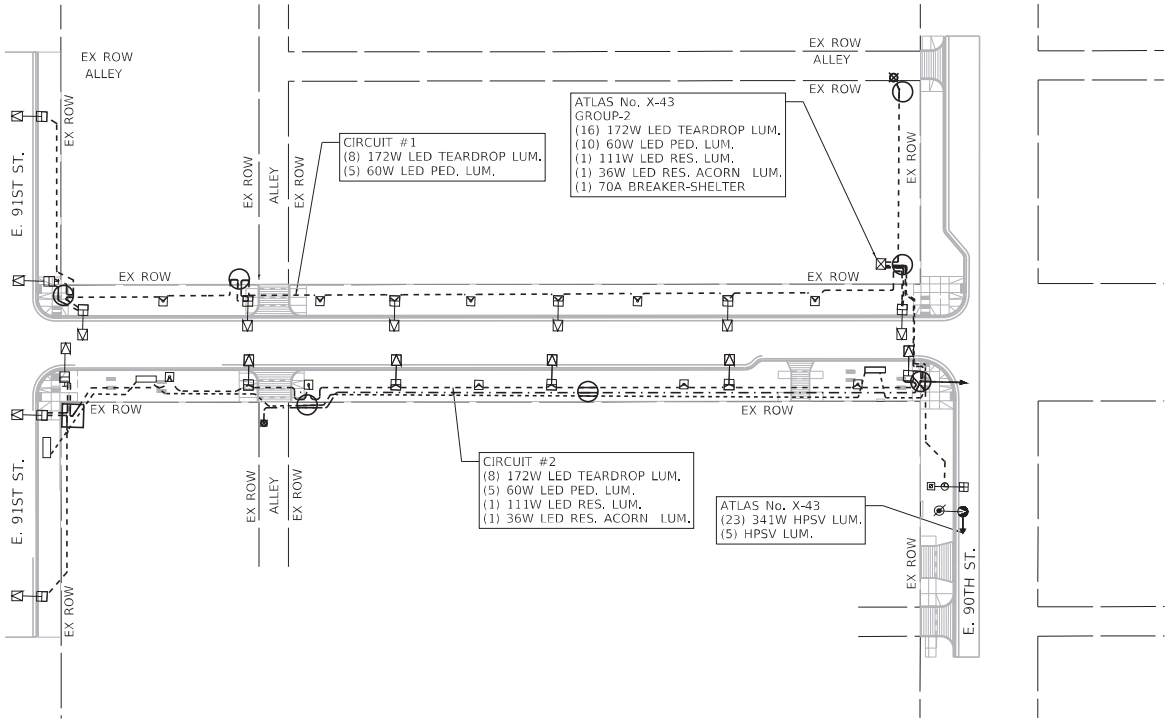
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

FIELD INSTALLATION RECORDS 1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-9
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 129 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

PLOT DATE = 8/12/2022



NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

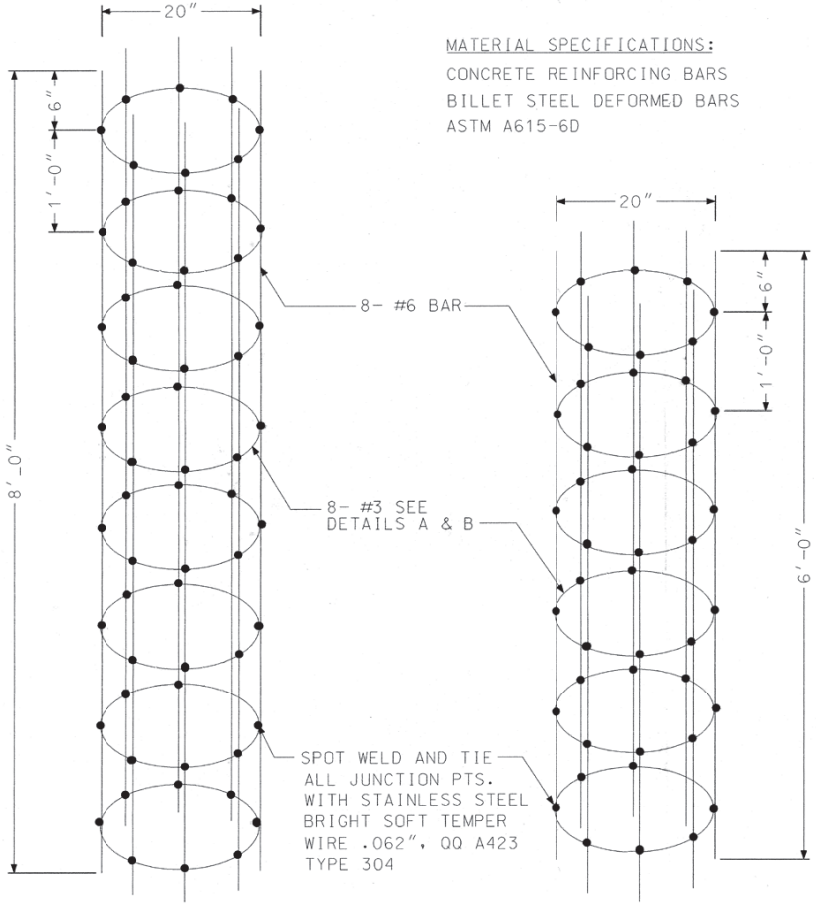
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

FIELD INSTALLATION RECORDS 2

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO.
DESIGNED: R. SCARIA	**E–10**
CHECKED: G. THIESSE	SHEET NO.
CCE #:	130 OF 207
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

PLOT DATE – 8/12/2022

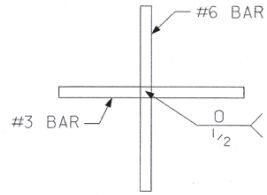


ISOMETRIC VIEW OF 8' STEEL CAGE

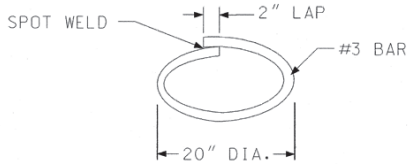
ISOMETRIC VIEW OF 6' STEEL CAGE

MATERIAL SPECIFICATIONS:
CONCRETE REINFORCING BARS
BILLET STEEL DEFORMED BARS
ASTM A615-6D

CODE	COMMODITY	SIZE	QUANITY
20-9545-	ROD, WELDING LINCOLN WELD OR EQUAL	#7018	5#
31-	WIRE, TIE STEEL STAINLESS QQ W423 COND. "A" SOFT	.062	1.0#



DETAIL "B"



DETAIL "A"

REVISION	DATE
A	

STEEL CAGES FOR POLE FOUNDATIONS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: I. ABABNEH	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 793A
ENGINEER OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 16" 21"	SCALE: NONE	DATE: 30-12-02

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

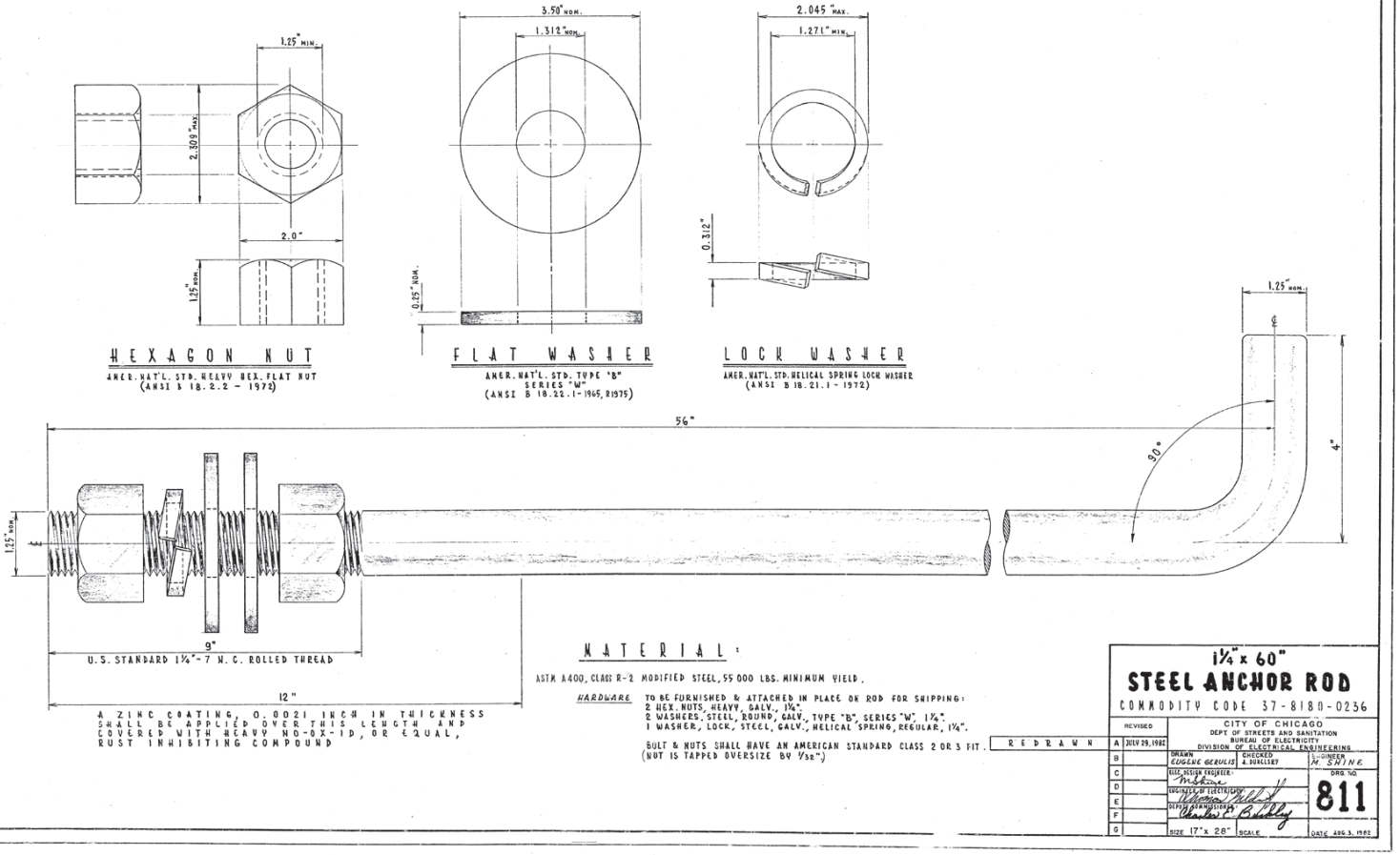
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-11
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 131 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: brenesch on \\benesch-sandiego.com\benesch-sandiego\Documents\10800s\10812.00\Eng_Docs\Lighting\Plans\Section 1\ABS-10812-S1-Sht-Elec-details-26.dgn
PLOT DATE = 8/11/2022



MATERIAL:

ASTM A400, CLASS R-2 MODIFIED STEEL, 55 000 LBS. MINIMUM YIELD.

HARDWARE TO BE FURNISHED & ATTACHED IN PLACE OR ROD FOR SHIPPING:
2 HEX. NUTS, HEAVY, GALV., 1¼".
2 WASHERS, STEEL, ROUND, GALV., TYPE "B", SERIES "W", 1¼".
1 WASHER, LOCK, STEEL, GALV., HELICAL SPRING, REGULAR, 1¼".

BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT. (NUT IS TAPPED OVERSIZE BY 1/32".)

REDRAWN

1¼" x 60" STEEL ANCHOR ROD

COMMODITY CODE 37-8180-0236

REVISED		
A	JULY 29, 1982	
B		
C		
D		
E		
F		
G		

CITY OF CHICAGO
DEPT OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN: EUGENE GERULIS | CHECKED: J. DURELSKY | H. SHINE

BUR. ENGR. ENGINEER: M. Shine

ENGINEER OF ELECTRICITY: Warren J. Gillette

DEPUTY COMMISSIONER: Charles E. Bubley

SIZE 17" x 28" SCALE DATE AUG 3, 1982

DRG NO. 811

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

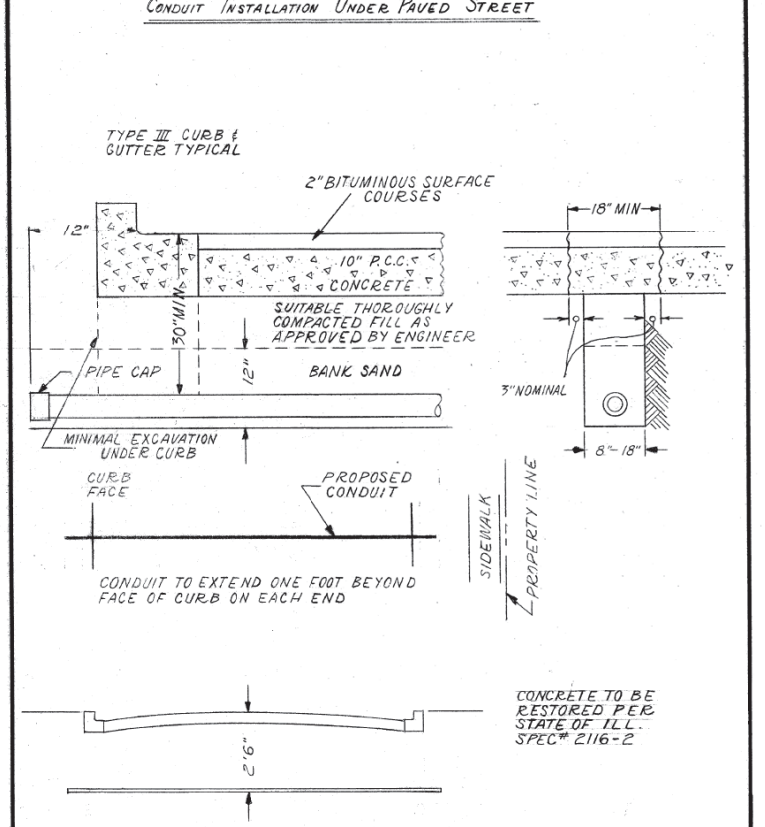
ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-12
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 132 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.sanchez@cityofchicago.org
File Name: C:\Users\lawrence.sanchez\cityofchicago.org\Documents - Lawrence Sanchez\Desktop\Plans\Section 1\ABS-10812-S1-Lighting Details-23.dgn
PLOT DATE = 8/11/2022

CONDUIT INSTALLATION UNDER PAVED STREET



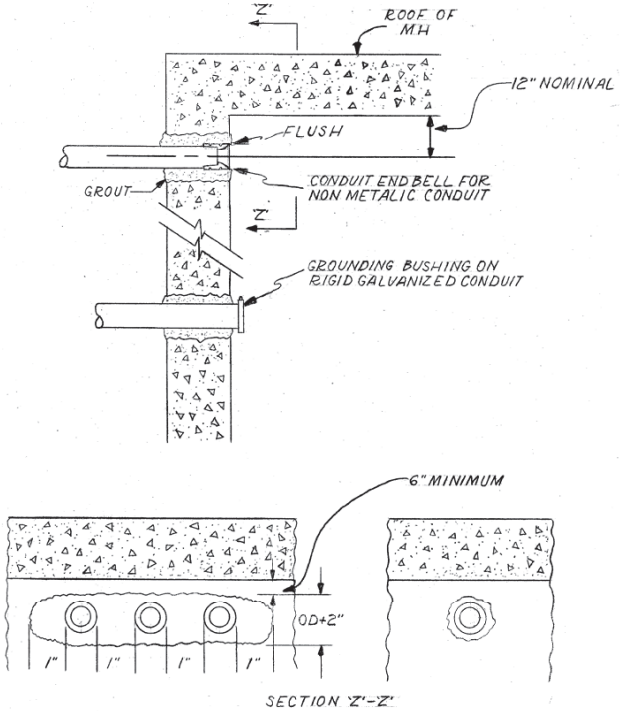
INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN	CHECKED	ENGINEER
A.M. JOHNSON	R. SYCKOWSKI	R.L. MARTIN

ENGINEER OF ELECTRICITY: Thomas Kilduff
SUPT. OF ELECTRICITY: Charles E. Buckley
DEPUTY COMM.
DRG. NO. 813
SIZE 8½"X14" SCALE N.T.S. DATE 3-13-81

CONDUIT INSTALLATION THROUGH EXISTING MANHOLE OR HANDHOLE WALL



SECTION 'Z'-'Z'

OPENING THROUGH WALL TO BE KEPT TO MINIMUM SIZE TO ADMIT CONDUIT AND SUFFICIENT GROUT TO ASSURE SEALING WALL.

INSTALLATION METHOD OF INSTALLING CONDUIT THRU MANHOLE WALL

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN	CHECKED	ENGINEER
A.M. JOHNSON	R. SYCKOWSKI	R.L. MARTIN

ENGINEER OF ELECTRICITY: Thomas Kilduff
SUPT. OF ELECTRICITY: Charles E. Buckley
DEPUTY COMM.
DRG. NO. 814
SIZE 8½"X14" SCALE N.T.S. DATE 3-13-81

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

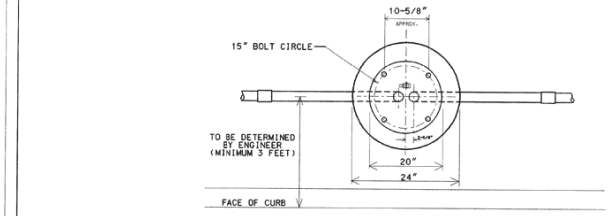
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

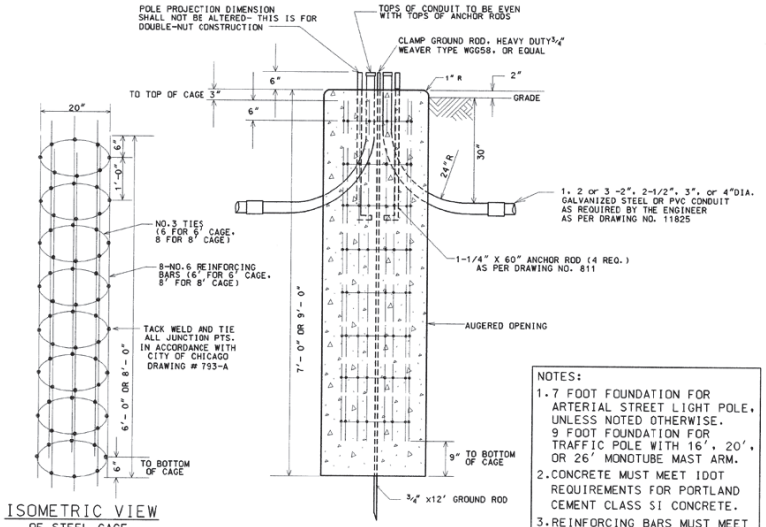
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-13
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 133 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: brenda.bienias-sandvold@cityofchicago.org
File Name: J:\Projects\Bienias-sandvold\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABS-10812-S1-Lnd-Plans-Detail-24.dgn
PLOT DATE = 8/11/2022



TOP VIEW



ISOMETRIC VIEW
OF STEEL CAGE

ELEVATION

NOTES:
1. 7 FOOT FOUNDATION FOR ARTERIAL STREET LIGHT POLE, UNLESS NOTED OTHERWISE. 9 FOOT FOUNDATION FOR TRAFFIC POLE WITH 16', 20', OR 26' MONOTUBE MAST ARM.
2. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS SI CONCRETE.
3. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

NOTE: HOLE FOR FOUNDATION MUST BE AUGURED IN UNDISTURBED SOIL

CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	0.82 OR 1.05
09-4001-	ELBOW, LARGE RADIUS	2",2-1/2",3",4"	VARIES
37-8180-0200	ANCHOR ROD	1-1/4" X 60"	4
05-5054-6910	RE-BAR CAGE	20" X 6'(or 8')	1
09-7796-9200	GROUND ROD	3/4" X 12'-0"	1
09-2636-3240	GROUND ROD CLAMP	3/4"	1
09-2092-	GROUND BUSHING	2",2-1/2",3" OR 4"	VARIES

8/21/02	SUPERCEDES DWG #818 DRAWN 4/21/81
DATE	REVISION

FOUNDATION FOR 34'-6" ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE - 3 OR 7 GAUGE WITH 15" BOLT CIRCLE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
B. GARNSEY	A. CARTER	B. GARNSEY

ELECTRICAL DESIGN ENGINEER
ENGINEER OF ELECTRICITY
GENERAL SUPERINTENDENT
DEPUTY COMMISSIONER

DRAWING NO. 818

SIZE: 11" x 17" SCALE: NONE DATE: 8/21/02

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-14
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 134 OF 207
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: brandon.rosenberg-sandberg.com@benesch-sandberg.com
File Name: C:\Users\brandon.rosenberg-sandberg.com\benesch-sandberg\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABSC-10812-S1-ElecDtls-Found15-25.dgn
PLOT DATE = 8/11/2022

INSTALLATION NOTES

STEP 1 — COAT EXPOSED PORTION OF ANCHOR BOLTS WITH APPROVED ANTI RUSTING GREASE ("NO-OX" OR EQUAL).

STEP 2 — INSTALL LOWER LEVELLING NUTS & WASHERS, SET AT PROPER GRADE WITH HAND LEVEL, USE TABLE FOR APPROPRIATE DIMENSIONS.

STEP 3 — MOUNT POLE OR PEDESTAL, ATTACH TOP WASHERS & NUTS HAND TIGHT.

STEP 4 — PLUMB POLE OR PEDESTAL AFTER ALL MASTARMS, STREET LIGHTS, TRAFFIC SIGNALS & OTHER APPURTENANCES ARE ATTACHED TO POLE & TIGHTEN ALL NUTS.

STEP 5 — ATTACH NUT COVERS WHERE REQUIRED.

STEP 6 — DO NOT GROUT IN SPACE BETWEEN BOTTOM OF POLE & TOP OF FOUNDATION. TOP OF FOUNDATION OR SURFACE OF SIDEWALK MUST BE LEFT CLEAN AND SMOOTH.

STEP 7 — POLE OR PEDESTAL IS TO BE PERFECTLY PLUMB, NO "RAKE" IS TO BE LEFT.

IF NECESSARY:
ANCHOR BOLT TO BE TRIMMED WITH SAW. DO NOT BURN, AS THIS DRASTICALLY REDUCES THE TENSILE STRENGTH OF ANCHOR BOLT.

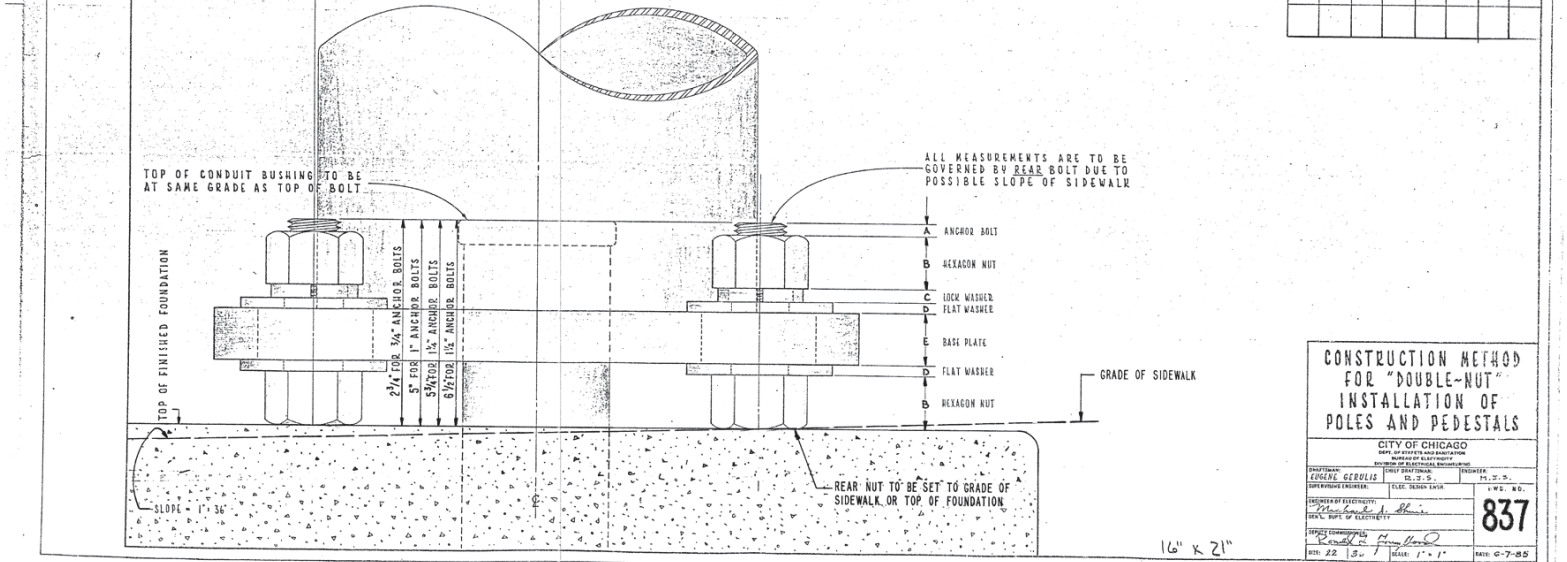
COAT ANCHOR BOLT WITH RUST-OLEUM HARD HAT ZINC RICH COMPOUND.

NOTE: BOLT COVER NOT SHOWN

18" DIA.

TABLE

UNIT	ANCHOR BOLT SIZE						
	1"		1¼"		1½"		¾"
	POLE GAUGES						ALUM. PED.
	7 GA.	3 GA.	7 GA.	3 GA.	7 GA.	3 GA.	
A	7/16"	7/16"	1⅛"	1 5/16"	1⅛"	7/8"	¾"
B	1"	1"	1¼"	1¼"	1½"	1½"	¾"
C	¼"	¼"	5/16"	5/16"	⅜"	⅜"	3/16"
D	5/32"	5/32"	¼"	¼"	¼"	¼"	5/32"
E	1"	1"	1¼"	1½"	1½"	1¾"	5/8"



16" x 21"

CONSTRUCTION METHOD FOR "DOUBLE-NUT" INSTALLATION OF POLES AND PEDESTALS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: EUGENE GERULIS | CHIEF DRAFTSMAN: | ENGINEER: M.J.S.
SUPERVISING ENGINEER: | CHIEF, DESIGN SECT.: R.J.S. | CHIEF, DESIGN SECT.:
ENGINEER OF ELECTRICITY:
DEPUTY COMMISSIONER:
DEPUTY COMMISSIONER:
DATE: 12/30/1 | SCALE: 1" = 1' | DATE: 6-7-85

I.W.S. NO. 837

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

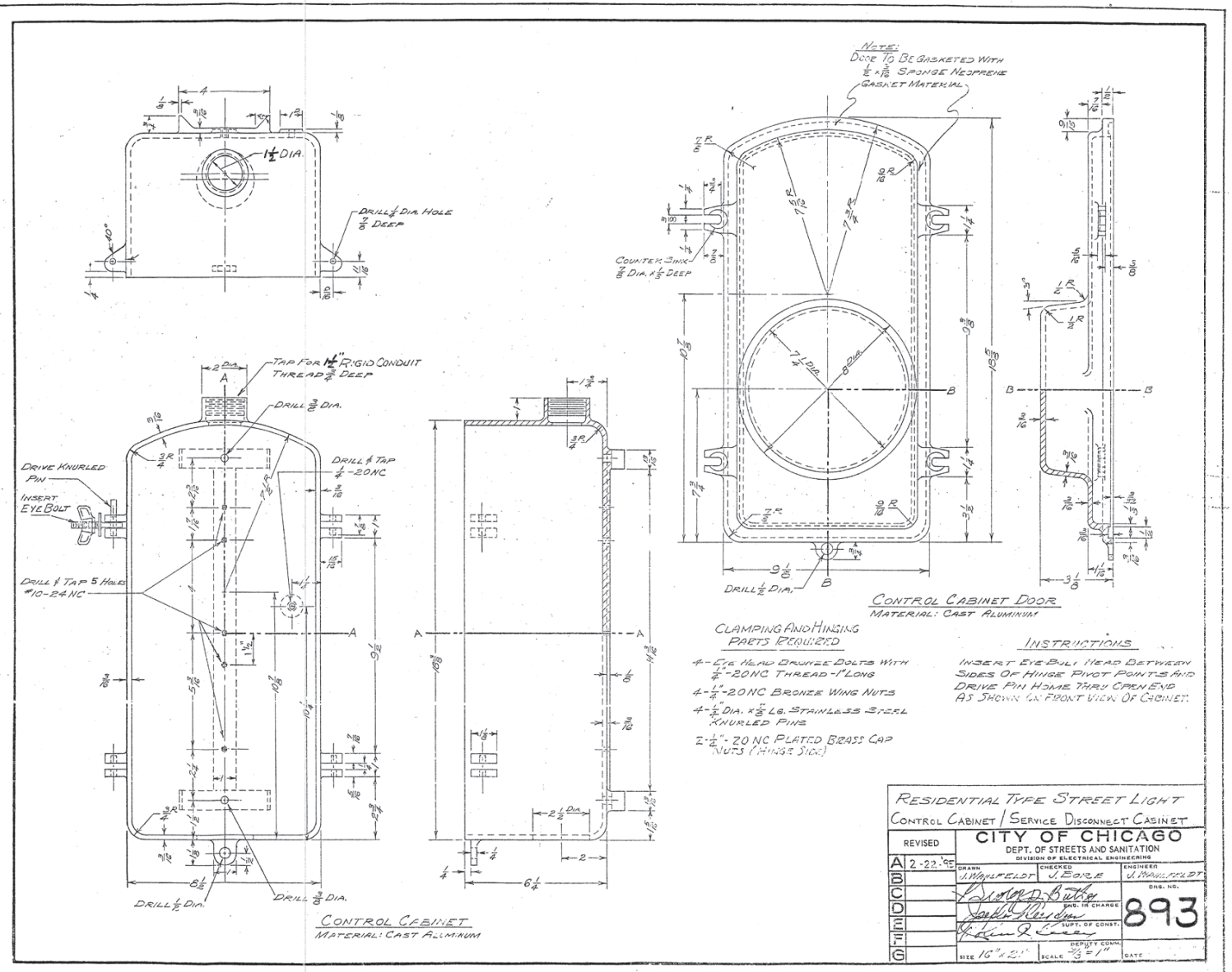
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E–15
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 135 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.clarence-smith@benesch.com
File Name: C:\Users\lawrence-smith\Benesch\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABS-10812-S1-Lnd-Plans-Detail-E-27.dgn
PLOT DATE = 8/11/2022



NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

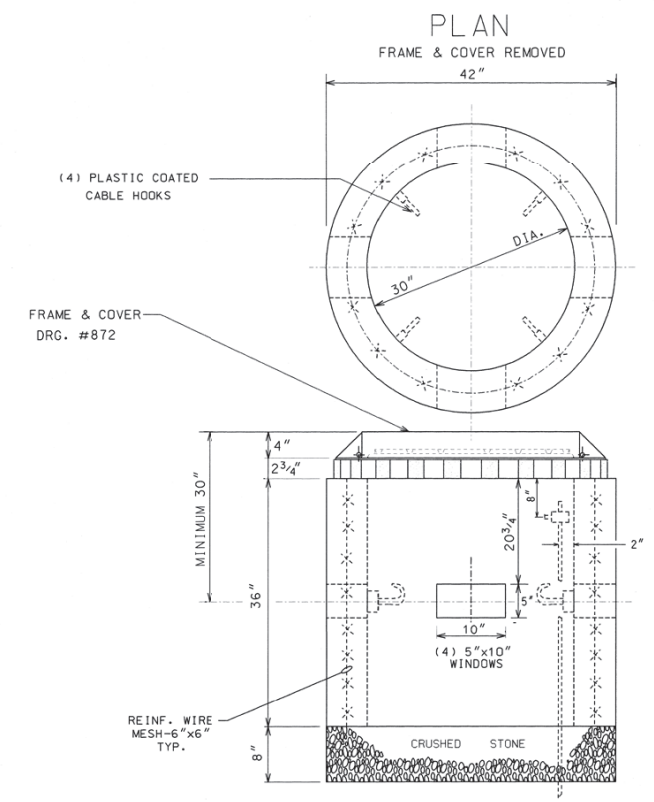
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E–16
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 136 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.clarence-smith@benesch.com
Document: I:\8800s\10812.00\Eng_Docs\Landscape\Plans\Section 1\ABS-110812-S1-sht-E16-details-228.dgn
PLOT DATE = 8/11/2022



COMPLETE COMMODITY CODE NO. 05-6610-5310M			
CODE NO.	MATERIALS	SIZE	QUAN.
(1) 05-6610-5310	PRE-CAST HANDHOLE	30"X36"	1
(2) 05-9075-5470	STONE 3/4" CRUSHED	BAG	5
(2) 05-5082-5330	SONO TUBE	30"	1
(2) 05-5082-5342	SONO TUBE	42"	1
(2) 05-3267-2910	CONC. REDI-MIX	CU. YD.	1/2
(2) 57-0770-0000	6" X 6" MESH	36"X10'	1
05-1452-9720	BRICK		24
02-4299-5524	FRAME MANHOLE	24"	1
02-4574-5040	COVER, MANHOLE	24"	1
09-7796-9312	GROUND ROD	3/4"X12'	1
09-2630-3240	GROUND CLAMP		1

(1) PRE-CAST HANDHOLE SHALL INCLUDE CABLE HOOKS AND CONDUIT KNOCKOUTS.
(2) THESE ITEMS ARE FOR POURED-IN-PLACE HANDHOLES ONLY.

CONSTRUCTION NOTES:

1. 8" BED OF STONE FOR DRAINAGE.
2. ALL METALLIC CONDUITS ENTERING HANDHOLE SHALL EXTEND MINIMUM 1" & MAXIMUM 3" INSIDE INNER WALL AND BE EQUIPPED WITH AN APPROVED TYPE OF THREADED GROUNDING BUSHING.

B	01-23-00	ADDED CABLE HOOKS PER COMMISSIONER MURPHY	(RC/RD)
A	12-8-95	REDRAW (CAD)	MP.
	DATE	REVISION	

30" DIA.
CONCRETE HANDHOLE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: M. PATTON	CHIEF DRAFTSMAN: B. CARTER	ENGINEER: TROMPKA DEBARTOLO
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR:	DWG. NO. 867
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER: B. Murphy		
SIZE: 11" 17"	SCALE: NONE	DATE: 12-8-95

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

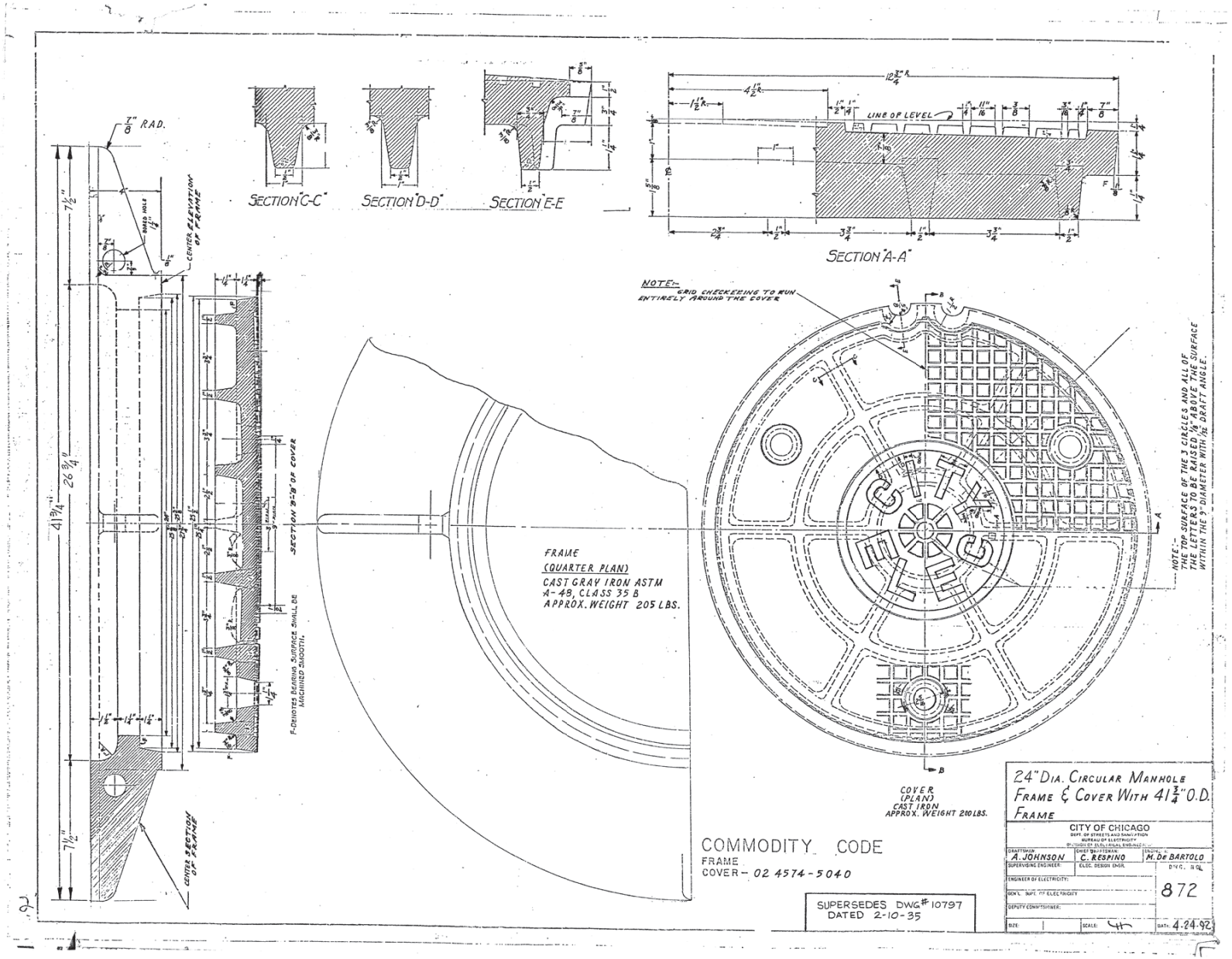
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-17
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 137 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: bennesch-sawdenby.com
File: I:\benesch-sawdenby.com\benesch-sawdenby-v3\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABS-10812-S1-sht-Elec-details-e17.dgn
PLOT DATE = 8/11/2022



COMMODITY CODE
FRAME
COVER - 02 4574-5040

SUPERSEDES DWG # 10797
DATED 2-10-35

24" DIA. CIRCULAR MANHOLE
FRAME & COVER WITH 41 3/4" O.D. FRAME

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY

DRAFTSMAN: A. JOHNSON	CHIEF ELECTRICIAN: C. RESPINO	ENGINEER: M. De BARTOLO
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 872
ENGINEER OF ELECTRICITY:		
GEN'L. SUPT. & ELECTRICITY		
DEPUTY COMMISSIONER:		
SIZE:	SCALE:	DATE: 4-24-92

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

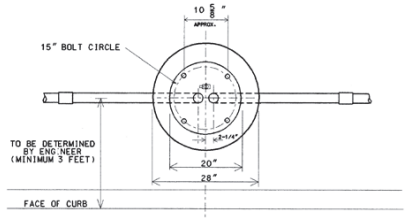
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

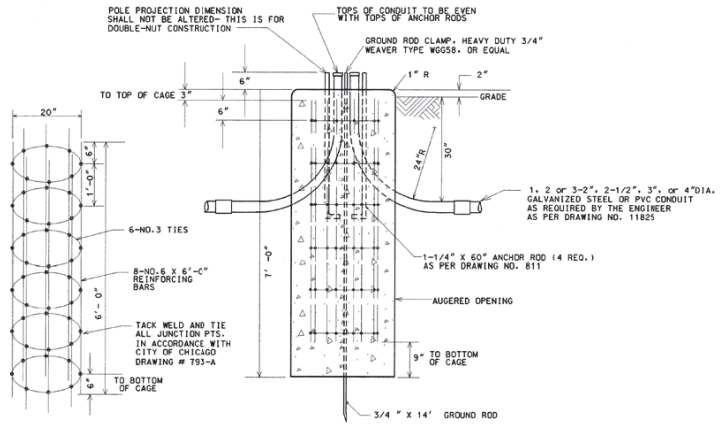
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-18
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 138 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022 by benesch-sandberg.com\benesch-sandberg\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABS-10812-S1-Land-Electrical-Details-e02.dgn
PLOT DATE = 8/11/2022



TOP VIEW



ISOMETRIC VIEW
OF STEEL CAGE

ELEVATION

NOTES:
1. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS SI CONCRETE.
2. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

NOTE:
HOLE FOR FOUNDATION MUST BE AUGERED IN UNDISTURBED SOIL

CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	1.11
09-4001-	ELBOW, LARGE RADIUS	2",2-1/2",3",4"	AS REQUIRED
37-8180-0200	ANCHOR ROD	1-1/4" X 60"	4
05-5054-6910	RE-BAR CAGE	20" ⌀ X 6'-0"	1
09-7796	GROUND ROD	¾" X 14'-0"	1
09-2636-	GROUND ROD CLAMP	3/4"	1
	GROUND BUSHING	2",2-1/2",3",4"	AS REQUIRED

DATE	REVISION

FOUNDATION FOR CHICAGO
2000 GATEWAY POLE & CHICAGO
2000 PEDESTRIAN POLE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
B. GARNSEY	R. CARTER	B. GARNSEY

ELECTRICAL DESIGN ENGINEER
ENGINEER OF ELECTRICITY
GENERAL SUPERINTENDENT
DEPUTY COMMISSIONER

DRAWING NO. 953

SIZE: 11" x 17" | SCALE: NONE | DATE: 8/21/02

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

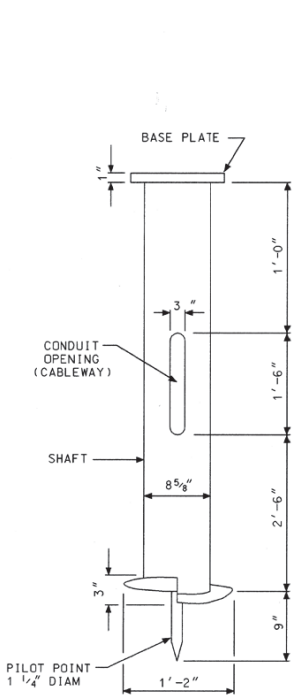
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

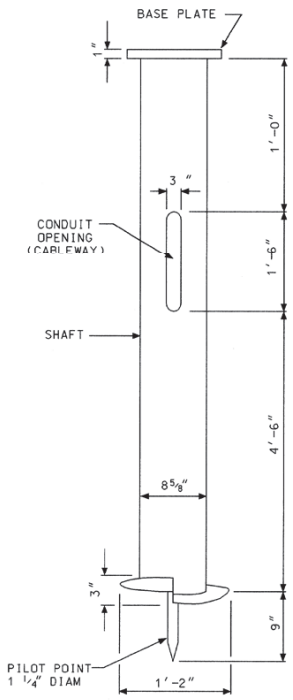
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-19
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 139 OF 207
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

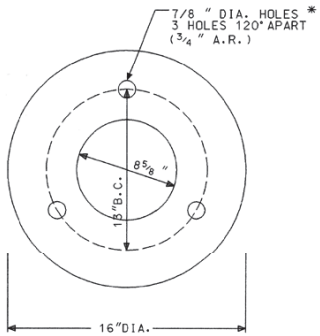
Plotted: 8/11/2022
By: bsarnsey on Bsarnsey-newbenesch-pw01 | Documents:10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABSC-10812-S1-Lan-Plans-detail-e03.dgn
PLOT DATE = 8/11/2022



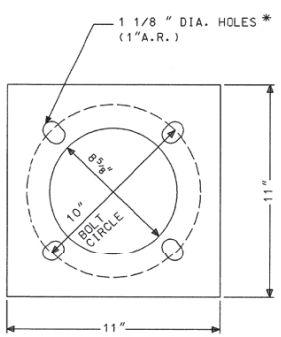
5' FOUNDATION



7' FOUNDATION

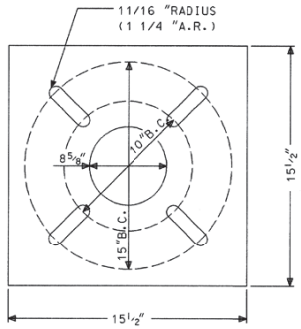


BASE PLATE
5 FOOT FOUNDATION
13" BOLT CIRCLE



BASE PLATE
5 FOOT FOUNDATION
10" BOLT CIRCLE

* HOLES IN BASE PLATE
MAY BE RADIALLY SLOTTED



BASE PLATE
7 FOOT FOUNDATION
10"-15" BOLT CIRCLE

NOTES:

1. SHAFT MUST HAVE 1/4 " WALL AND HAVE 8 5/8 " OUTSIDE DIAMETER.
2. SHAFT MATERIAL MUST BE ASTM A53B STEEL PIPE OR LATEST REVISION.
3. HELIX MUST BE FORMED BY MATCHING METAL DIE.
4. HELIX MATERIAL MUST BE ASTM A709 GR 36 OR LATEST REVISION.
5. HELIX MUST HAVE 3 INCH PITCH.
6. PILOT POINT MATERIAL WILL BE ASTM A36 STEEL OR LATEST REVISION.
7. BASE PLATE MATERIAL WILL BE ASTM A36 STEEL.
8. ENTIRE STEEL FOUNDATION TO BE HOT DIP GALVANIZED PER ASTM A123 OR LATEST REVISION .
9. BASE PLATE MUST BE PERMANENTLY STAMPED WITH MANUFACTURER'S NAME, MANUFACTURING DATE, AND PRODUCT IDENTIFICATION.
10. BASE PLATE MUST BE PERMANENTLY MARKED ON TOP INDICATING CONDUIT OPENING ORIENTATION.

NO.	BY	DATE	DESCRIPTION
A			

REVISIONS

HELIX LIGHT POLE FOUNDATIONS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DEPT. OF TRANSPORTATION
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
I. ABABNEH	R. CASPER	R. POOL

SUPERVISING ENGINEER: CLERK-TYPIST:
ENGINEER OF ELECTRICAL OPERATION:
CHIEF ENGINEER:
DEPUTY COMMISSIONER:
SIZE: D SCALE: NONE DATE: 27-12-02
DWG. NO. 936

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

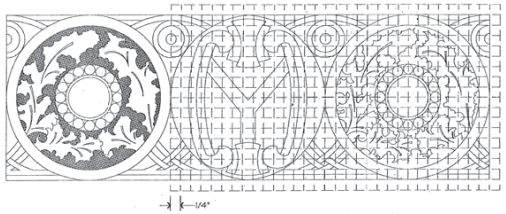
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

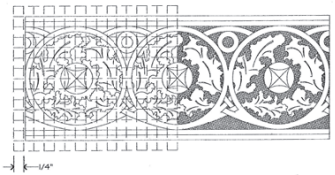
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-20
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 140 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

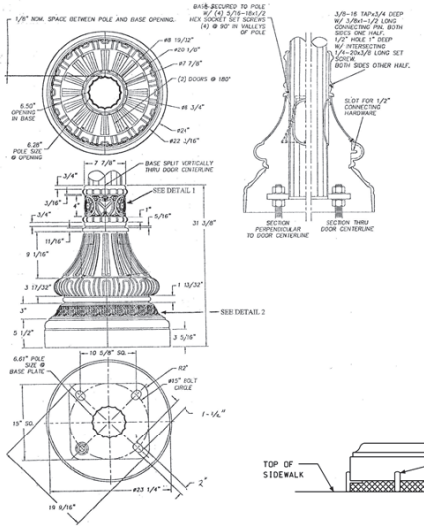
Plotted: 8/11/2022 by lawrence.sanchez@cityofchicago.org on benesch-sandiego.com
File: I:\benesch-sandiego.com\benesch-sandiego\Documents\10800s\10812.00\Eng_Docs\Lighting\Plans\Section 1\ABS-10812-S1-Lighting-Details-E-20.dgn
PLOT DATE = 8/11/2022



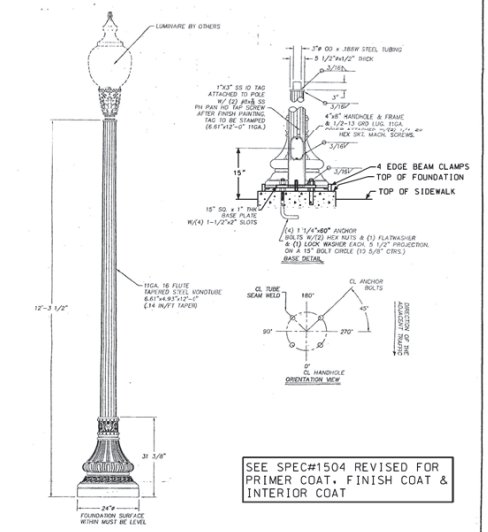
1 ENLARGED PATTERN TOP ORNAMENTATION
SCALE: FULL SIZE



2 ENLARGED PATTERN BOTTOM ORNAMENTATION
SCALE: FULL SIZE



SPLIT BASE DETAIL
Scale: 1 1/2" = 1'



POLE AND BASE
Scale: 3/4" = 1'

SEE SPEC#1504 REVISED FOR PRIMER COAT, FINISH COAT & INTERIOR COAT

NO.	BY	DATE	DESCRIPTION
1.		9/18/2020	BASE COVER TO BE MOUNTED ON (4) BEAM CLAMPS & FULLY COVERED BY RODENT CONTROL WIRE MESH
A			REVISION

CHICAGO 2000 PEDESTRIAN POLE

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

DRAWN BY: R. POOL | DESIGNED BY: R. SCARIA | TRACED BY: R. POOL
SUPERVISING ENGINEER:
ENGINEER-IN-CHARGE:
DEPT. BY ADMINISTRATION:
DEPUTY COMMISSIONER:
DWG. NO. 928
SIZE: | SCALE: AS NOTED | DATE: 1-26-2001

MATERIAL SPECIFICATIONS
POLE: 11GA. 16 FLUTE TAPER .44 INCH PER FOOT OF 6.61" DIA. AT BASE PLATE, END 4.93" DIA. EXCEPT BASE PLATE 6.61" DIA. ANCHOR BOLTS: ASTM-F1554 GR.55 TOP END GALV. TO ASTM-A153 ANCHOR BOLTS NUTS: ASTM A563 GR.A GALV. TO A153 ANCHOR BOLT WASHERS: ASTM F436 TYPE 1 GALV. TO A153
MISC HDWE: DRIL SHLS AND 300 SERIES STAINLESS STEEL
H.H. FRAME & PKLE PLATE: FORGED STEEL ASTM A576
H.H. COVER: 1005 SS.
BASE PLATE: 1" THICK STEEL PLATE
TUNNEL AR PLATE
FINISH: PAINTED PER SALES ORDER, MEET SPECS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

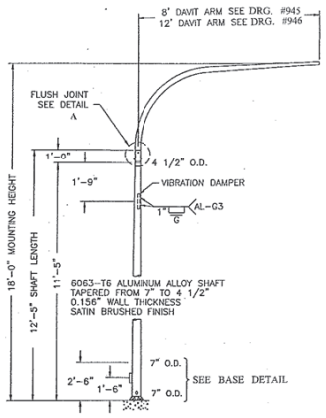
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

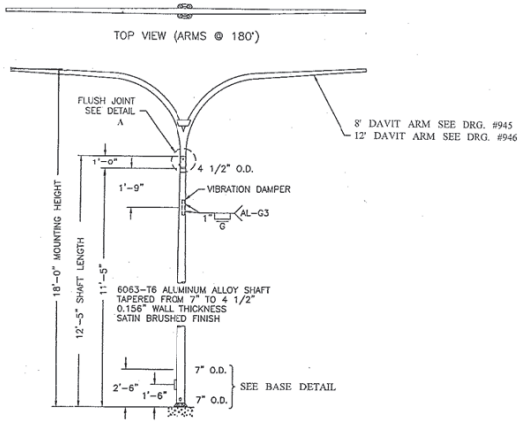
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-21
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 141 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

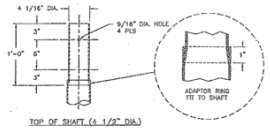
Plotted: 8/11/2022
By: brianmurphy on \\benesch-sandiego.com\benesch-sandiego\Documents\10800s\10812.00\Eng_Docs\Landscape\Plans\Section 1\ABS-10812-S1-Land-Plans-detail-05.dgn
PLOT DATE = 8/11/2022



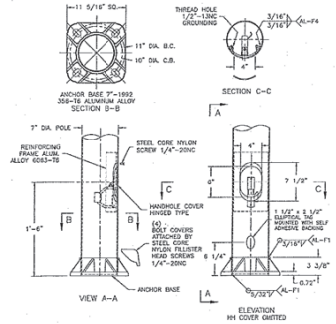
POLE WITH SINGLE DAVIT ARM



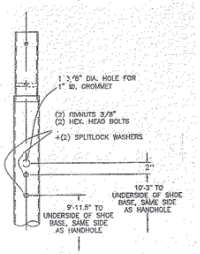
POLE WITH TWIN DAVIT ARMS



DETAIL A



POLE BASE



OPTION: SIDE MOUNT FOR LUMINAIRE

REVISED	09-15-2012

ALUMINUM DAVIT POLE
7" x 4.5" x 12'-5"
FOR RESIDENTIAL STREETS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 940
ENGINEER-SECRETARY:		
DEPUTY COMMISSIONER:		
SIZE:	SCALE:	DATE: 1-29-92

NO.	BY	DATE	DESCRIPTION
REVISIONS			

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

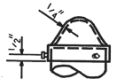
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-22
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 142 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

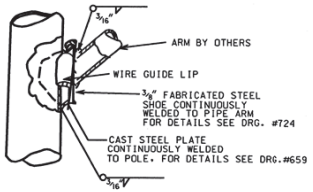
Plotted: 8/11/2022 by lawrence.sanchez@cdot.chicago.com on benesch-sandbox-pw01 | Document: 10812.00 Eng_Docs\Landscape Plans\Section 1\ABS-10812-S1-Lnd-Dtls-Install-06.dgn
PLOT DATE = 8/11/2022



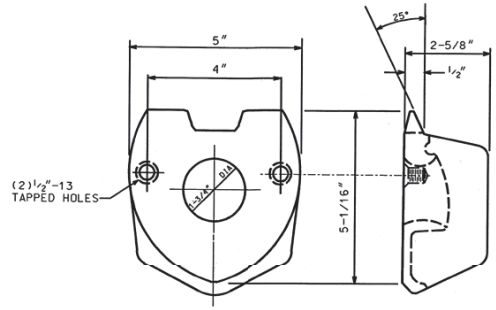
3/8"-16NCX1" LONG
SET SCREWS (3@120°)

POLE CAP

FOR DETAILS SEE
DRG.# 11420-A

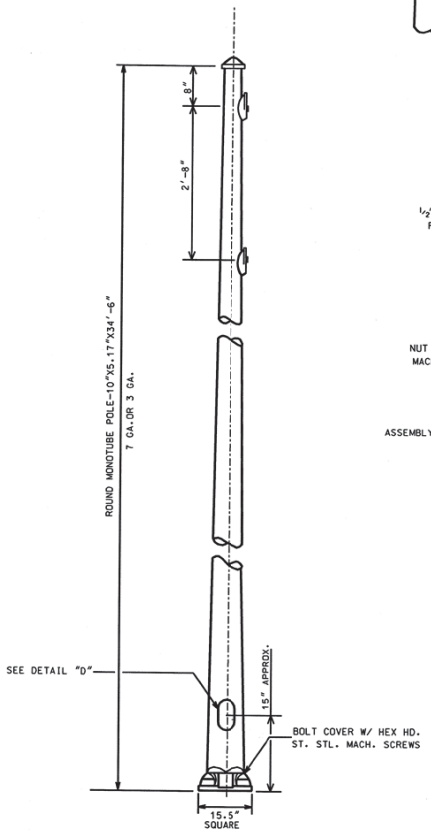


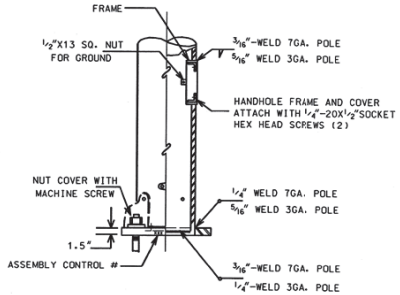
SECTION AT POLE PLATE



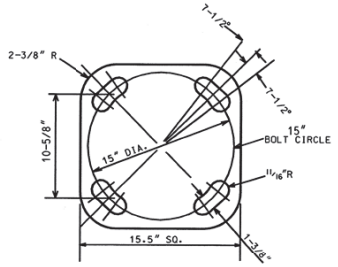
2 BOLT MAST ARM ATTACHMENT

FOR DETAILS SEE DRG.# 659 MATERIAL: CAST STEEL



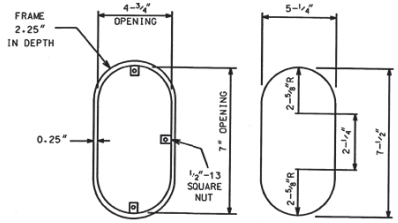


DETAIL "D"



DETAIL "A"

BOLT SLOTS



FRAME DOOR

HANDHOLE DETAIL

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-23
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 143 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

5.17"x10.0" STEEL/34'-6" POLE
7 OR 3 GAUGE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
ROBERT IVY	ROBERT CARTER	RON POOL

SUPERVISING ENGINEER: ELEC. DESIGN ENGR.

ENGINEER OF ELECTRICITY:

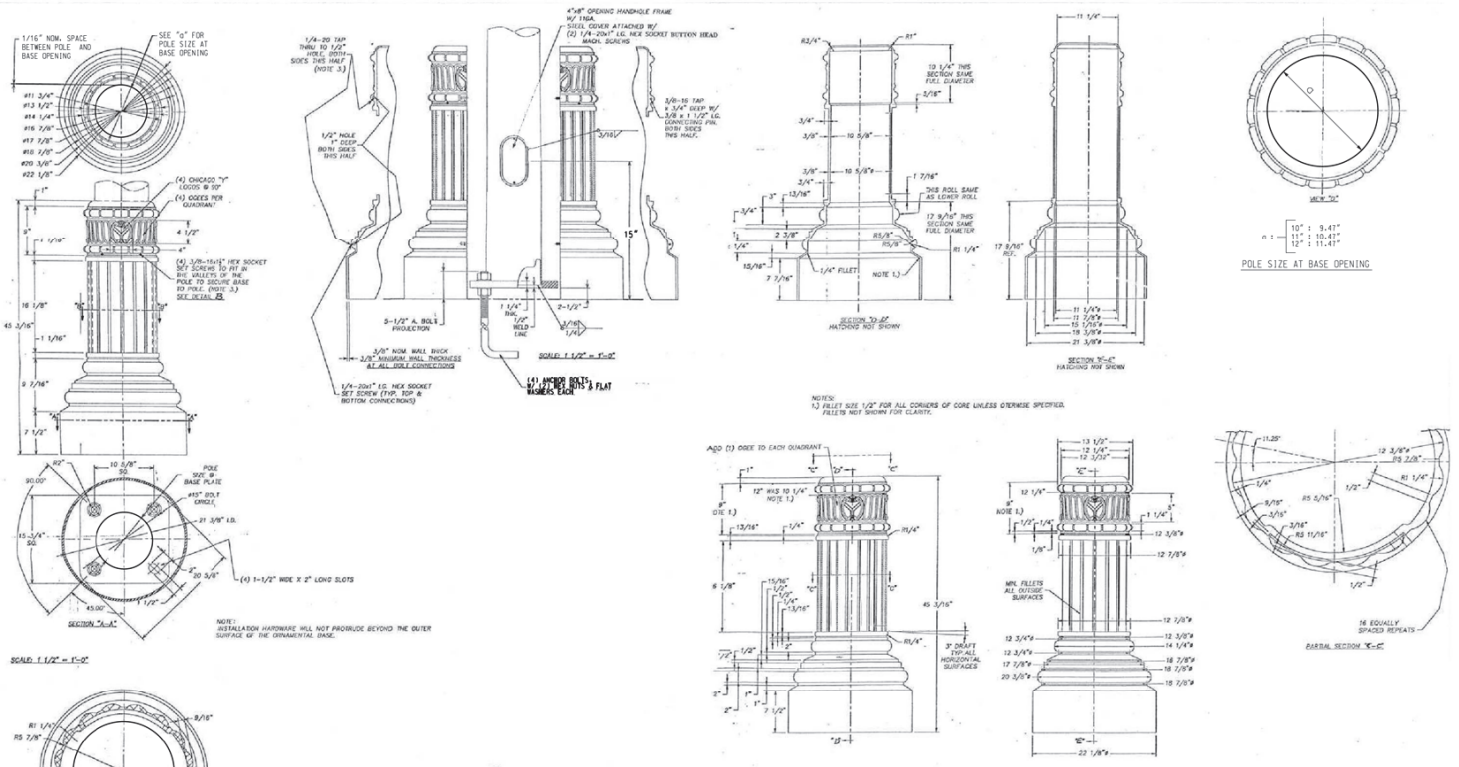
GEN'L SUPT. OF ELECTRICITY:

DEPUTY COMMISSIONER: Brian S. Murphy

DWG. NO. 808

10-03-01

Plotted: 8/11/2022
By: brianna.lawrence-sandvendy.com@benesch-sandvendy.com
J:\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABS-10812-S1-Lehi-Electrical-Details-e07.dgn
PLOT DATE = 8/11/2022



MATERIAL SPECIFICATIONS :

PEDESTAL BASE : FIBERGLASS
PIPE : ASTM A53 GR B OR A501
BANNER COUPLINGS : A513 TYPE 5
ROSETTES :CAST STEEL ASTM A27 65/35
COLLARS & END ORNAMENTS : CAST ALUMINUM
FINISH : PAINTED PER SALES ORDER & MEET SPEC. INCLUDES VISIBLE HARDWARE & SEALANT

NO.	BY	DATE	DESCRIPTION
A			

REVISIONS

CHICAGO 2000 POLE BASE
FOR STANDRAD 34.5' POLE
TO DRAWING NUMBERS
808, 824 & 827

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING-ELECTRICAL SECTION

DRAFTSMAN/ENGINEER :	C.M.PADIYAR	DWG. NO.
SUPERVISING ENGINEER:	O. LETAMENDI	
PROFESSIONAL ENGINEER :	R. POOL	986
ENGINEER OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 16" | 22"	SCALE: NONE	DATE: 10/23/17

DATE: 10/23/2017
FILE: N:\E,P\New Drawings\986.dgn

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

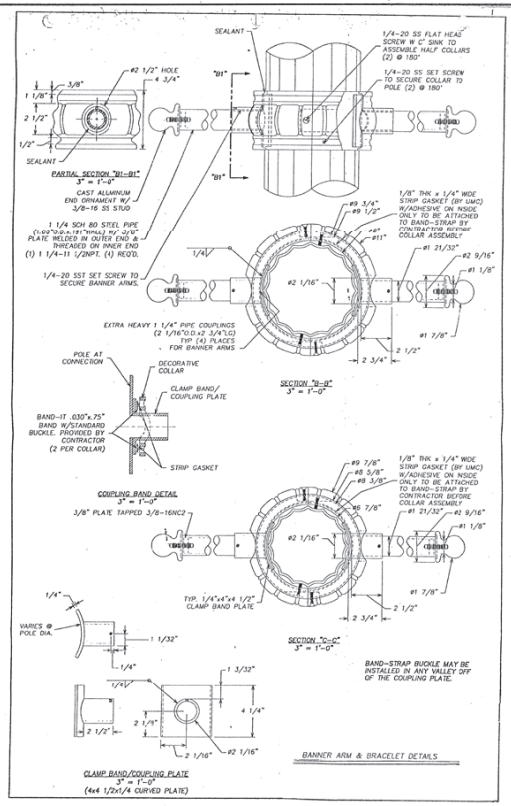
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

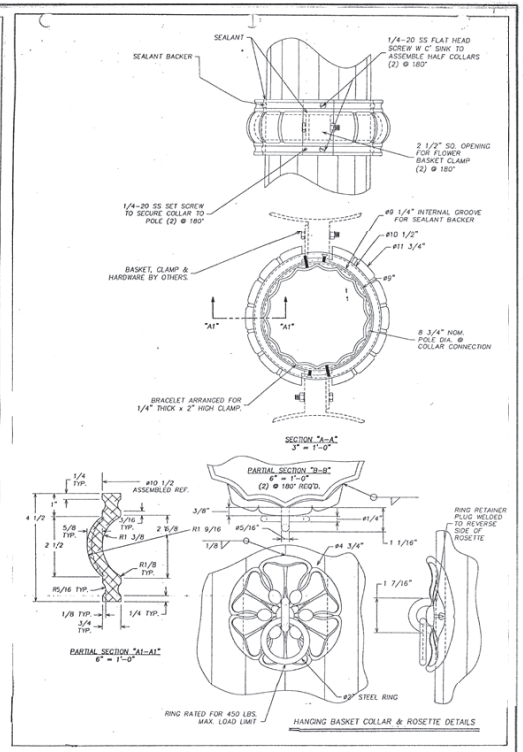
ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO.
DESIGNED: R. SCARIA	**E-24**
CHECKED: G. THIESSE	SHEET NO.
CCE #:	144 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
J:\Projects\Clients\Commercial-Services\City of Chicago\Documents\10800s\10812.00\Eng_Docs\Landscape\Plans\Section 1\ABSC-10812-S1-Lan-Plans-Details-E-24.dgn
PLOT DATE = 8/11/2022





MATERIAL SPECIFICATIONS
TUBES: SHEW & PHYSICAL PROP. OF ASTM A595 OR A
PLATE, BAR: ASTM A36, EXCEPT BASE PLATE ASTM-A588
ANCHOR BOLTS: ASTM-F1554 GR55 TOP END GALV TO A153
ANCHOR NUTS: ASTM A563 GR DH HEAVY HEX GALV TO A153
ANCHOR BOLT WASHERS: ASTM-F436 GALV TO A153
MISC HDWE: (SEN STL.) AMS 300 SERIES (18-8)
CLAMP HDWE: ASTM A307 GALV TO A153
HH. FRAME & POLE PLATE: FORGED STEEL ASTM A576
HH. COVER: CI/DI/ STL
PEDESTAL BASE: CAST ALUMINUM
BASE COVER: CAST ALUMINUM
BANNER COUPLINGS: A513 TYPE 5
ROSETTES: CAST STEEL ASTM A27 65/35
COLLARS & END ORNAMENTS: CAST ALUMINUM
SEALANT BACKER GASKETS: EPDM SPONGE RUBBER
SEALANT: PAINTABLE ACRYLIC LATEX CAULKING
FINISH: PAINTED PER SALES ORDER & MEET SPEC. INCLUDES HDWE HARDWARE & SEALANT

CHICAGO 2000 BRACELETS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: R. POOL	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: R. POOL
SUPERVISING ENGINEER:		DWG. NO. 930 B
ENGINEER OF ELECTRICITY:		
DEPT. OF CONSTRUCTION:		
DEPUTY COMMISSIONER: Dan S. Murphy		
SIZE:	SCALE: AS NOTED	DATE: 2-01-01

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

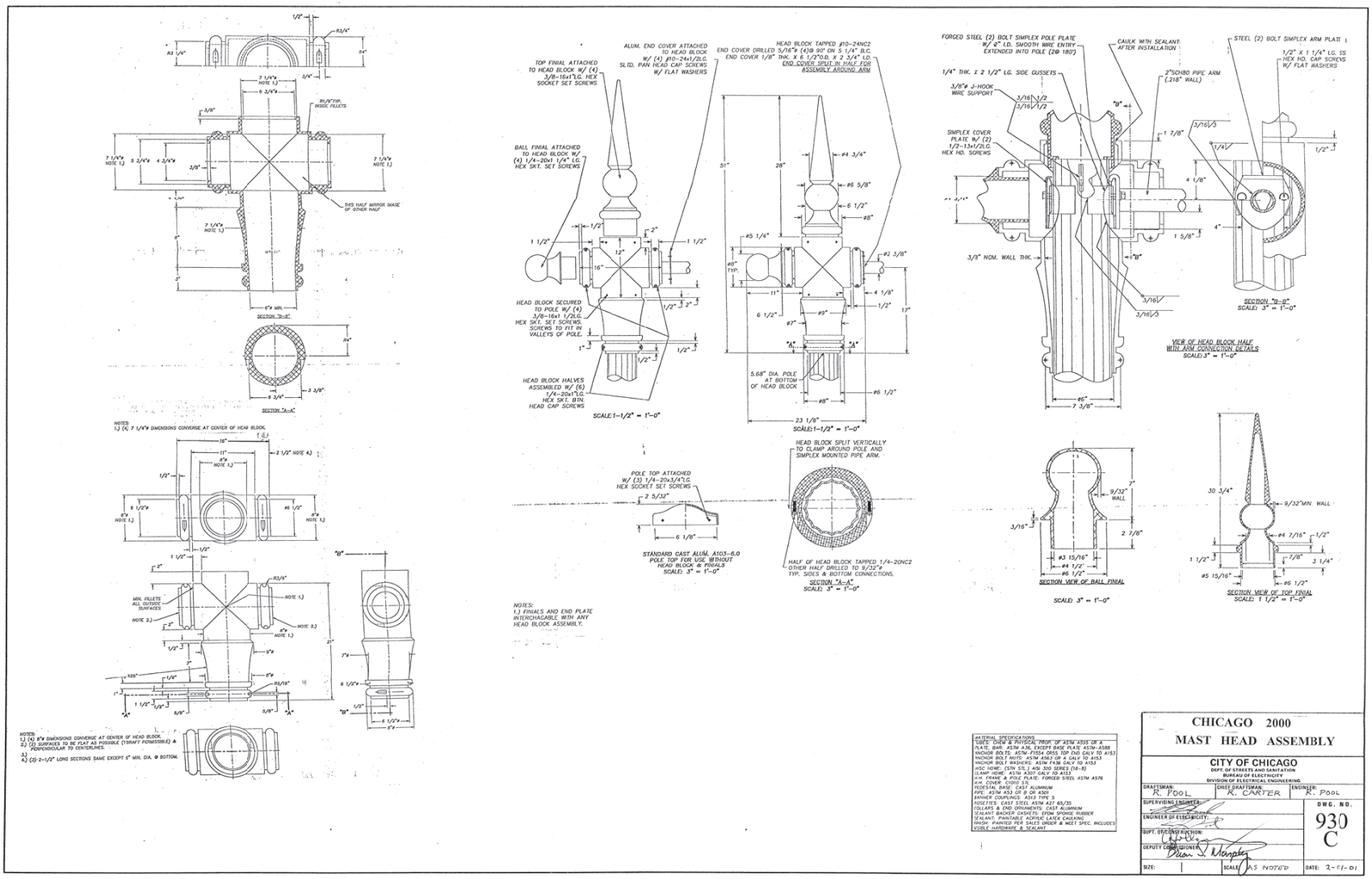
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-25
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 145 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: brandon.florence-sandoval@cityofchicago.org
File Name: C:\Users\brandon.florence-sandoval\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABS-10812-S1-Lan-Elec-details-08.dgn
PLOT DATE = 8/11/2022



NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

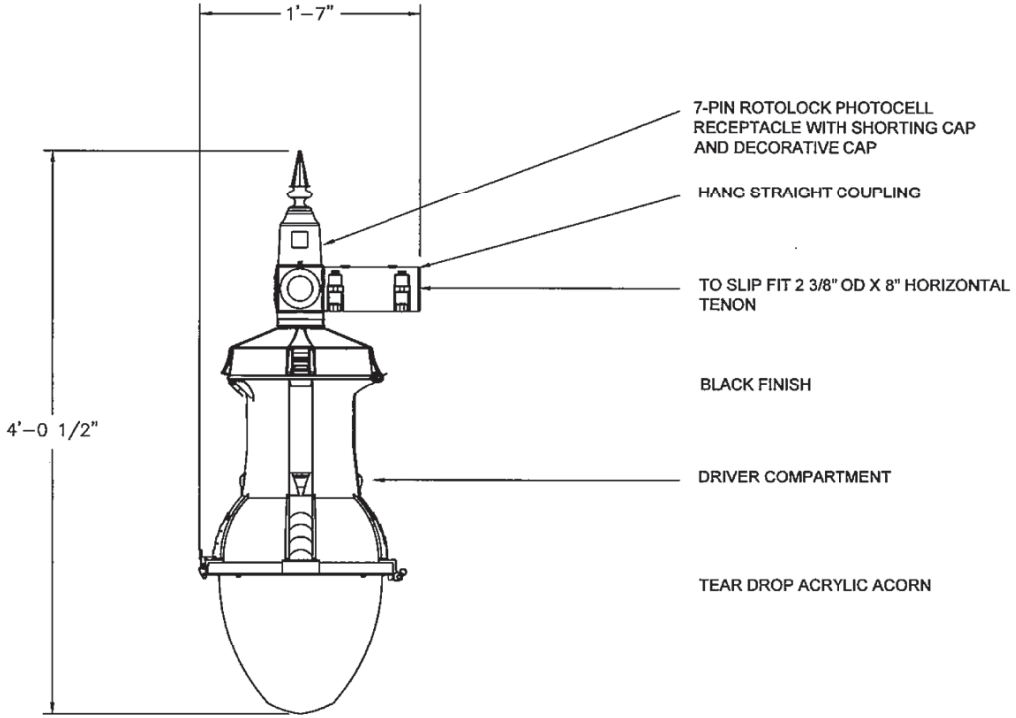
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-26
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 146 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

PLOT DATE = 8/11/2022



	REVISION	DATE
A		

CHICAGO 2000
TEARDROP LUMINAIRE

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN: J. VONDRA	CHIEF DRAFTSMAN:	ENGINEER: J. VONDRA
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 931A
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 11" x 17"	SCALE: NONE	DATE: 10/29/20

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

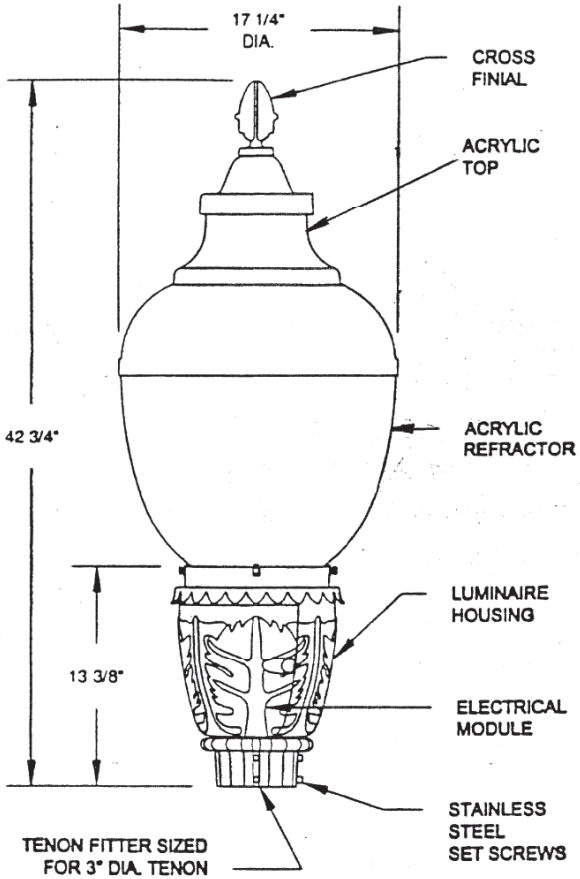
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E–27
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 147 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.vondrasek@benesch.com
File: I:\Projects\Commercial Ave\Documents\10800s\10812.00\Eng_Docs\Landscape Plans\Section 1\ABS-10812-S1-Sht-Elec-details-11.dgn
PLOT DATE = 8/11/2022



A		
DATE	REVISION	

ACORN LUMINAIRE
CHICAGO 2000
PEDESTRIAN POLE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 932
ENGINEER OF ELECTRICITY:		
GEN'L. SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE:	SCALE:	DATE: 9-5-02

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

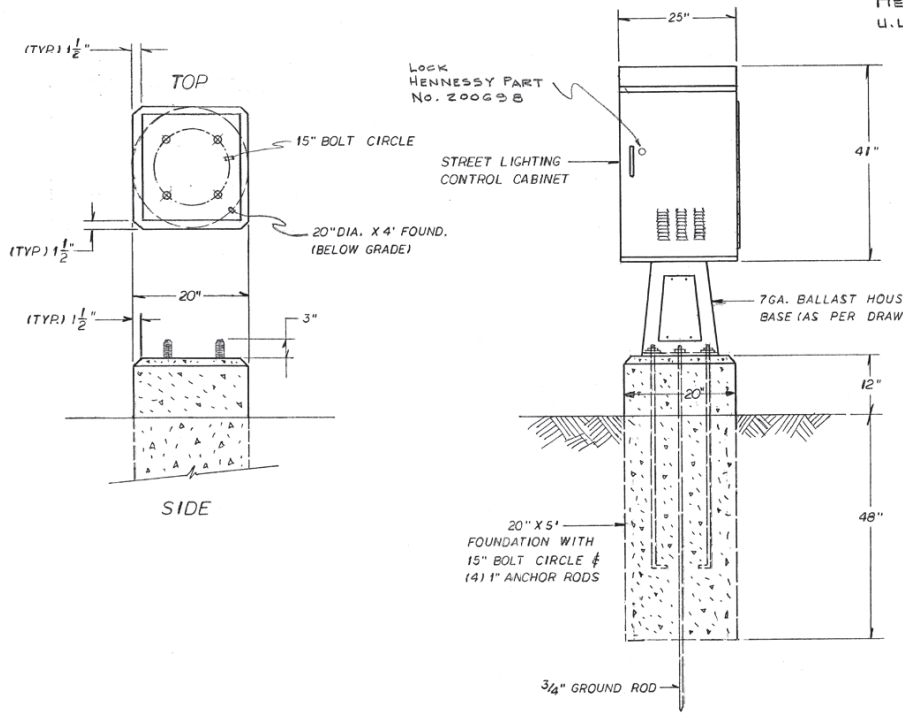
DATE: 08-12-2022	DRAWING NO. E-28
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 148 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.sanchez@cityofchicago.org on benesch-newberry.com
File: I:\Documents\10800s\10812.00\Eng_Docs\Landscape\Plans\Section 1\ABS-10812-S1-Lan-Plans-details-12.dgn
PLOT DATE = 8/11/2022

- DRILL (4) 1/2" DIA. HOLES IN BOTTOM OF CABINET & TOP OF BALLAST HOUSING BASE. BOLT CABINET TO B.H.B. USING (4) 3/8" X 2 1/2" BOLTS.
- OPENINGS IN BOTTOM OF CABINET & TOP OF B.H.B. MAY BE ENLARGED TO A MAX. OF 5" X 10" TO FACILITATE ADDITIONAL CABLE.
- NUMBER & SIZE OF CONDUITS TO BE SHOWN ON CONSTRUCTION DRAWINGS.
- SEE DRAWING # 884 FOR ELECTRICAL PANEL DETAILS.
- SEE DRAWINGS # 862 & 864 FOR WIRING DIAGRAM.

CODE	DRWG.	MATERIAL	SIZE	QUANT.
05-5082-5324	—	FIBER FORM	20" ø	4'
05-3267-2940	—	CONCRETE	CU. YD.	0.7
37-8180-0236	811	ANCHOR ROD	1" X 60"	4
09-7796-9200	—	GROUND ROD	3/4" X 10'	1
09-2636-3240	—	CLAMP, GROUND ROD	3/4"	1
09-3392-7850		CABINET ALUMINUM	41"X25"X16"	1
37-2130-4280	785	BALLAST HOUSING BS	1'-4" X 1'-8"	1

NOTE:
HENNESSY "G" CABINET # 212374 OR U.L. APPROVED EQUIVALENT.



DATE	REVISION
A 4-26-93	CAB. NO. CHANGED CITY NAME REMOVED

200 AMP.
BASE MOUNTED STREET LIGHT CONTROLLER

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: ARMANDO VIVANCO	CHIEF DRAFTSMAN: CARMEN RESPINO	ENGINEER: M. DEBARTOLO
SUPERVISING ENGINEER: D. Carlson	ELEC. DESIGN ENGR.	DWG. NO. 880
ENGINEER OF ELECTRICITY: A. Dubelsky		
GEN'L. SUPT. OF ELECTRICITY		
DEPUTY COMMISSIONER:		
SIZE 16 | 21	SCALE:	DATE:

CENTURY BLUE PRINT 90280 1/87

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

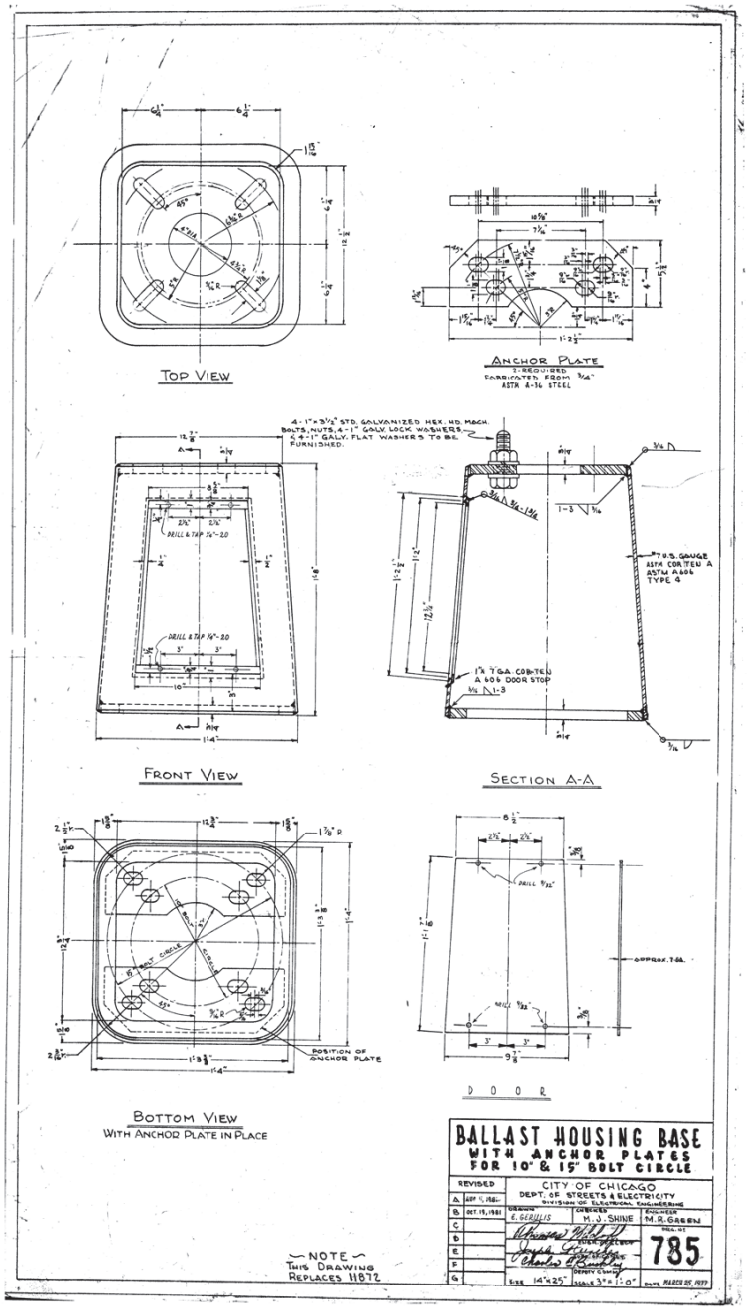
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-29
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 149 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022 by benesch-sandiegoj on benesch-sandiegoj-c1 | Documents: 10812.00 Eng_Docs | Landscape Plans | Section 1 | ABS-10812-S1-Land-Plans-details-13.dgn
PLOT DATE = 8/11/2022



NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

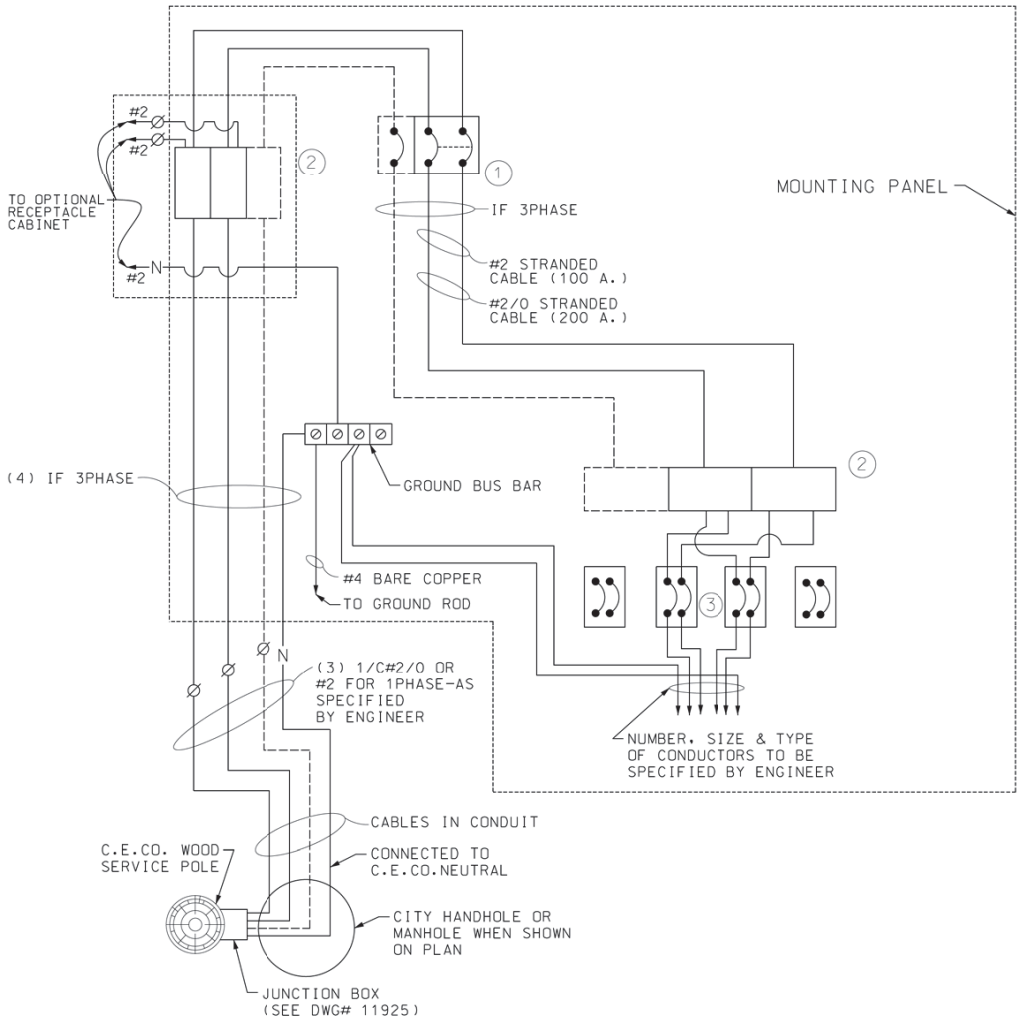
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E–30
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 150 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.sanchez@cs-sandiego.com
File Name: C:\Users\lawrence.sanchez\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABS-10812-S1-Ltrl-Elec-details-21.dgn
PLOT DATE = 8/11/2022



(1) - MAIN CIRCUIT BREAKER, 2 POLE OR 3 POLE
100A "FDB" FRAME OR
2 POLE OR 3 POLE, 200A, "JDB" OR "JDK" FRAME
AS TABLE BELOW

100A 1PHASE : C FDB 14kA i.c. AT 240VAC 2P
100A 3PHASE : C FDB 14kA i.c. AT 240VAC 3P
200A 1PHASE : C JDK 25kA i.c. AT 240VAC 2P
200A 3PHASE : C JDB 25kA i.c. AT 240VAC 3P

(2) - POWER DISTRIBUTION BLOCK, AS PER
NEC 376.56(B) 1-4, AND 310.15(B)(16) 75°C
AMPACITIES OPEN STYLE, COPPER CONTACTS,
600VAC RATED

(3) - BRANCH CIRCUIT BREAKER-2 POLE, 50A., OR 70A.
"EHD" FRAME,
14kA i.r. AT 240VAC 2P
14kA i.r. AT 240VAC 3P

NOTES :

GROUND BUS TO BE MOUNTED ON LEFT SIDE WALL OF CABINET (SEE DETAIL DRG.NO.984)

SEE DRG.NO.984 FOR DETAIL OF MOUNTING PANEL.

SEE DRG.# 876 FOR CABINET ASSEMBLY (100 AMP.)
SEE DRG.# 880 FOR CABINET ASSEMBLY (200 AMP.)

DATE: 10/23/2017
FILE: N:\E_DWGs\New Drawings\983_200A_Controller Diagram_10232017.dgn

A		
DATE	REVISION	

WIRING DIAGRAM FOR 100/200 AMP. SINGLE OR THREE PHASE, STREET LIGHTING CONTROLLER CONSTANT POWER

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING-ELECTRICAL SECTION

DRAFTSMAN/ENGINEER :	G.MPADIYAR	DWG. NO.
SUPERVISING ENGINEER:	O. LETAMENDI	
PROFESSIONAL ENGINEER :	R. POOL	983
ENGINEER OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 16" | 22"	SCALE: NONE	DATE: 10/23/17

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

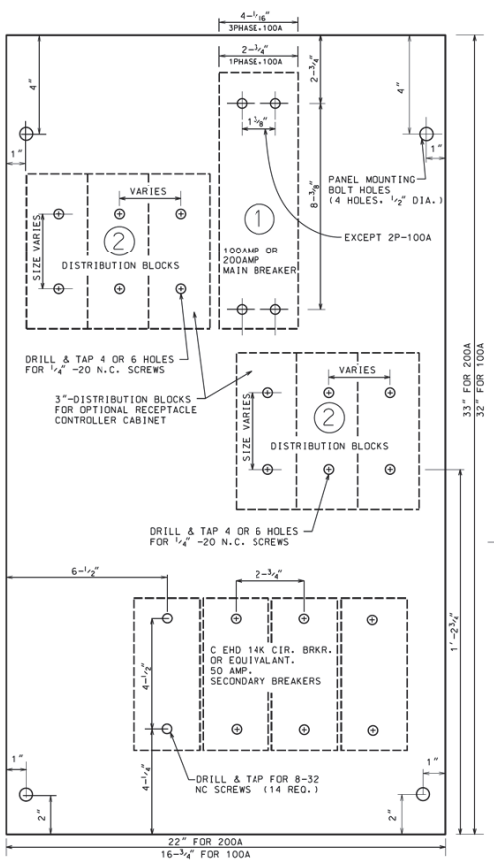
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

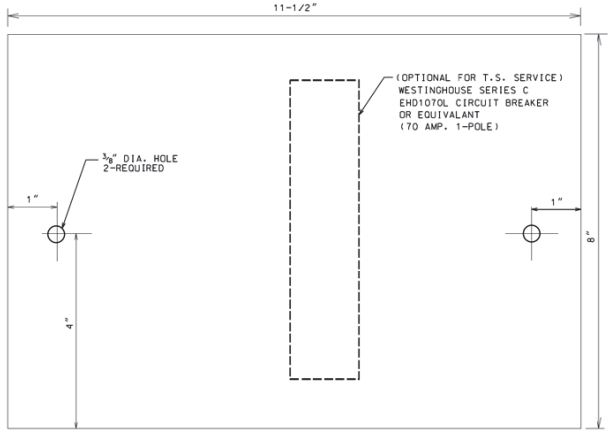
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO.
DESIGNED: R. SCARIA	**E-31**
CHECKED: G. THIESSE	SHEET NO.
CCE #:	151 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

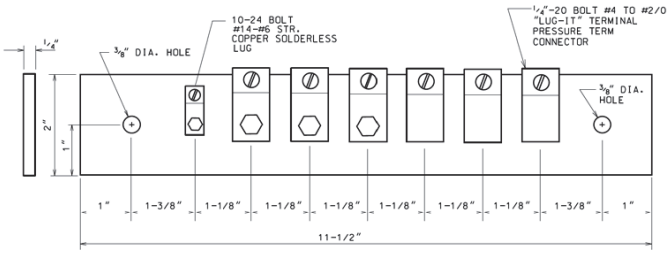
Plotted: 8/11/2022
By: bmenesch on \\benesch-sandiego.com\benesch-sandiego\Documents\10800s\10812.00\Eng_Docs\Lighting\Plans\Section 1\ABS-10812-S1-Lighting-Details-14.dgn
PLOT DATE = 8/11/2022



BACK PANEL
1/2" THICK PHENOLIC
LINEN BASE



(OPTIONAL) PANEL FOR TRAFFIC SIGNAL SERVICE
1/2" THICK PHENOLIC LINEN BASE PANEL
TO BE MOUNTED ON UPPER LEFT SIDE OF CABINET



1/4" THICK COPPER BUS BAR
TO BE MOUNTED ON LOWER
LEFT SIDE OF CABINET.

SEE DRG.#880 FOR CABINET DETAIL
SEE DRG# 983 FOR WIRING DIAGRAM

(1) - MAIN CIRCUIT BREAKER
100A 1PHASE : C FDB 14kA i.r. at 240VAC 2P
100A 3PHASE : C FDB 14kA i.r. at 240VAC 3P
200A 1PHASE : C JDK 25kA i.r. at 240VAC 2P
200A 3PHASE : C JDB 25kA i.r. at 240VAC 3P

(2) - POWER DISTRIBUTION BLOCKS
RATED 600V. BASED ON NEC
376.56(B) 1-4, AND 310.15(B)(16)
75°C AMPACITIES

NO.	BY	DATE	DESCRIPTION
A			

REVISIONS

PANELS FOR 100A/200A
2 AND 3 POLE EQUIPMENT
IN STREET LIGHT CONTROL CABINET-
CONSTANT POWER

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING-ELECTRICAL SECTION

DRAFTSMAN/ENGINEER :	G.M.PADIYAR
SUPERVISING ENGINEER:	O. LETAMENDI
PROFESSIONAL ENGINEER :	R. POOL
ENGINEER OF ELECTRICITY:	
DEPUTY COMMISSIONER:	

DWG. NO. 984

SIZE: 16" | 22" SCALE: NONE DATE: 10/23/17

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-32
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 152 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

DATE: 10/23/2017
FILE: H:\E_DM\New Drawings\984_Panel_10232017.dgn
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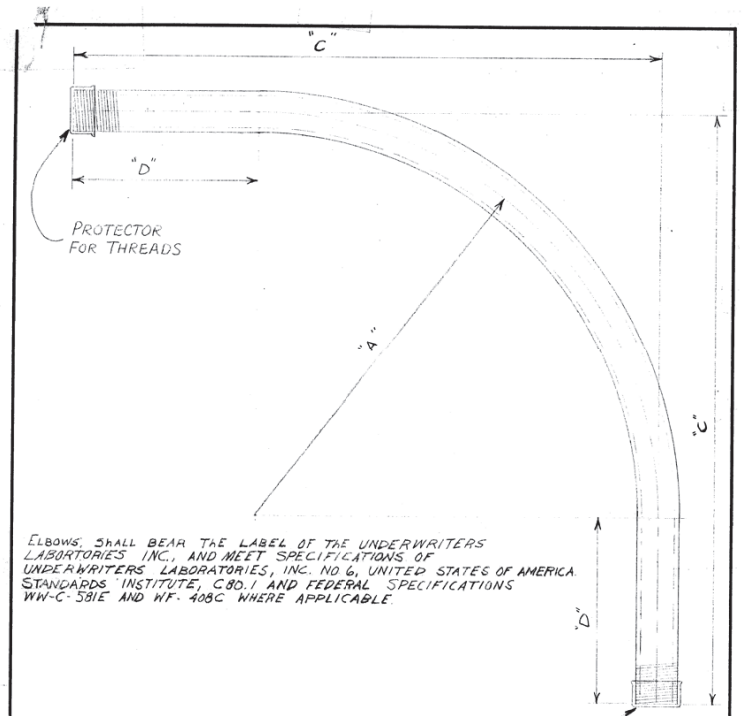
PLOT DATE = 8/11/2022



ELBOWS SHALL BEAR THE LABEL OF THE UNDERWRITERS LABORTORIES INC., AND MEET SPECIFICATIONS OF UNDERWRITERS LABORATORIES, INC. NO.6, UNITED STATES OF AMERICA STANDARDS INSTITUTE, C80.1 AND FEDERAL SPECIFICATIONS WW-C-581E AND WF-408C WHERE APPLICABLE.

NOTE:
TWO THREAD PROTECTORS TO BE FURNISHED ON EACH ELBOW, PROTECTOR TO COVER A MINIMUM OF TEN THREADS.

TABLE OF DIMENSIONS

CONDUIT SIZE	DIMENSIONS "A"	"C"	"D"	COMMODITY CODE
1¼"	24"	35"	11"	09-4001-0510
1½"	24"	35"	11"	09-4001-0520
2"	24"	35"	11"	09-4001-4126
2½"	24"	35"	11"	09-4001-4128
3"	24"	35"	11"	09-4001-4230
4"	24"	35"	11."	09-4001-0000

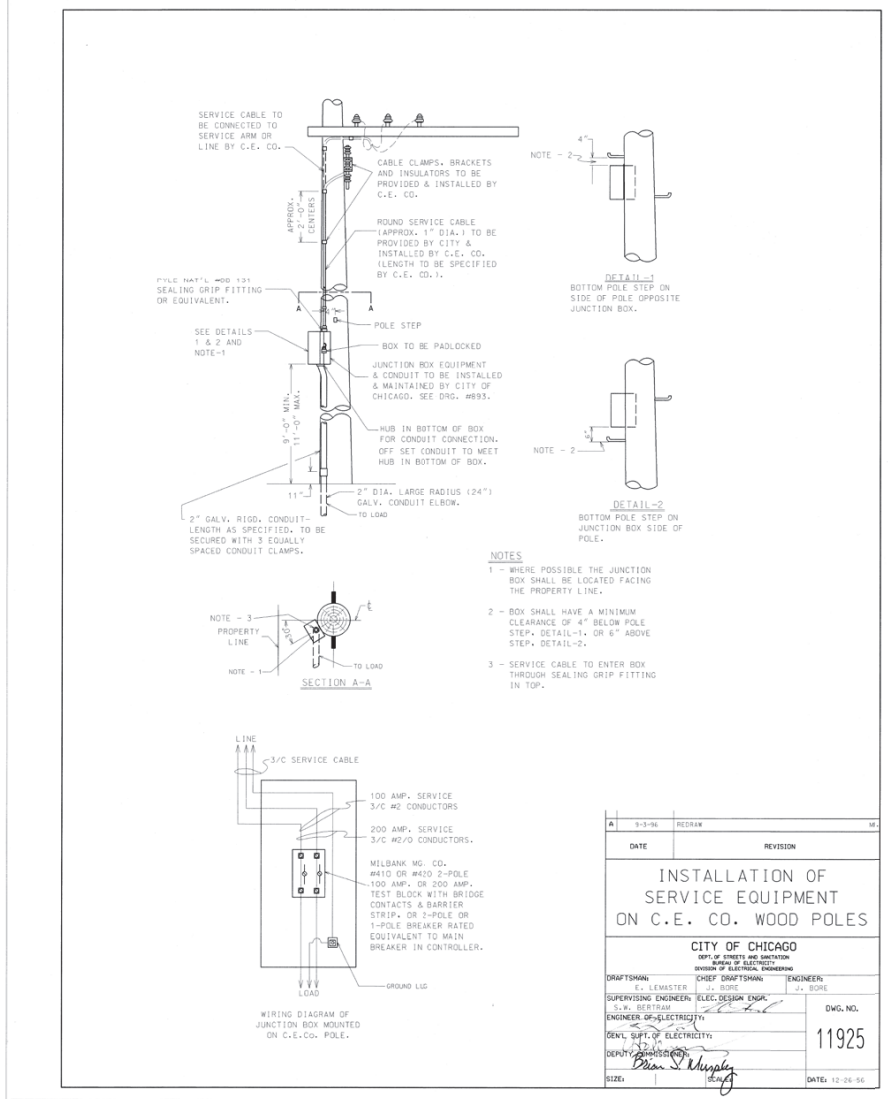
B	SPECIFICATIONS REVISED
A	REVISED DIMENSIONS ON 3" & 4" CONDUIT L.P.

ELBOW, CONDUIT, RIGID GALVANIZED STEEL, LARGE RADIUS

REVISED	
A	7-22-71
B	4-3-79
C	
D	
E	
F	
G	

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAWN: LON BURDY | CHECKED: M.S. | ENGINEER: M. SHINE
CHIEF ENGINEER: Robert P. Butler
SUPT. OF COMM.: John A. Miller
DEPUTY COMM.: Brian L. Murphy
DRG. NO. 11825
SIZE 8½" x 14" | SCALE: 3/16" | DATE 6-2-71



NOTES
1 - WHERE POSSIBLE THE JUNCTION BOX SHALL BE LOCATED FACING THE PROPERTY LINE.
2 - BOX SHALL HAVE A MINIMUM CLEARANCE OF 4" BELOW POLE STEP. DETAIL-1. OR 6" ABOVE STEP. DETAIL-2.
3 - SERVICE CABLE TO ENTER BOX THROUGH SEALING GRIP FITTING IN TOP.

WIRING DIAGRAM OF JUNCTION BOX MOUNTED ON C.E.Co. POLE.

DATE	REVISION
9-3-96	REDRAW

INSTALLATION OF SERVICE EQUIPMENT ON C.E. CO. WOOD POLES

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: E. LEMASTER | CHIEF DRAFTSMAN: J. BORE | ENGINEER: J. BORE
SUPERVISING ENGINEER: S.N. BERTRAM | ELEC. DESIGN ENGR.:
ENGINEER OF ELECTRICITY:
GEN'L. SUPT. OF ELECTRICITY:
DEPUTY COMMISSIONER: Brian L. Murphy
DWG. NO. 11925
SIZE: | DATE: 12-26-96

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

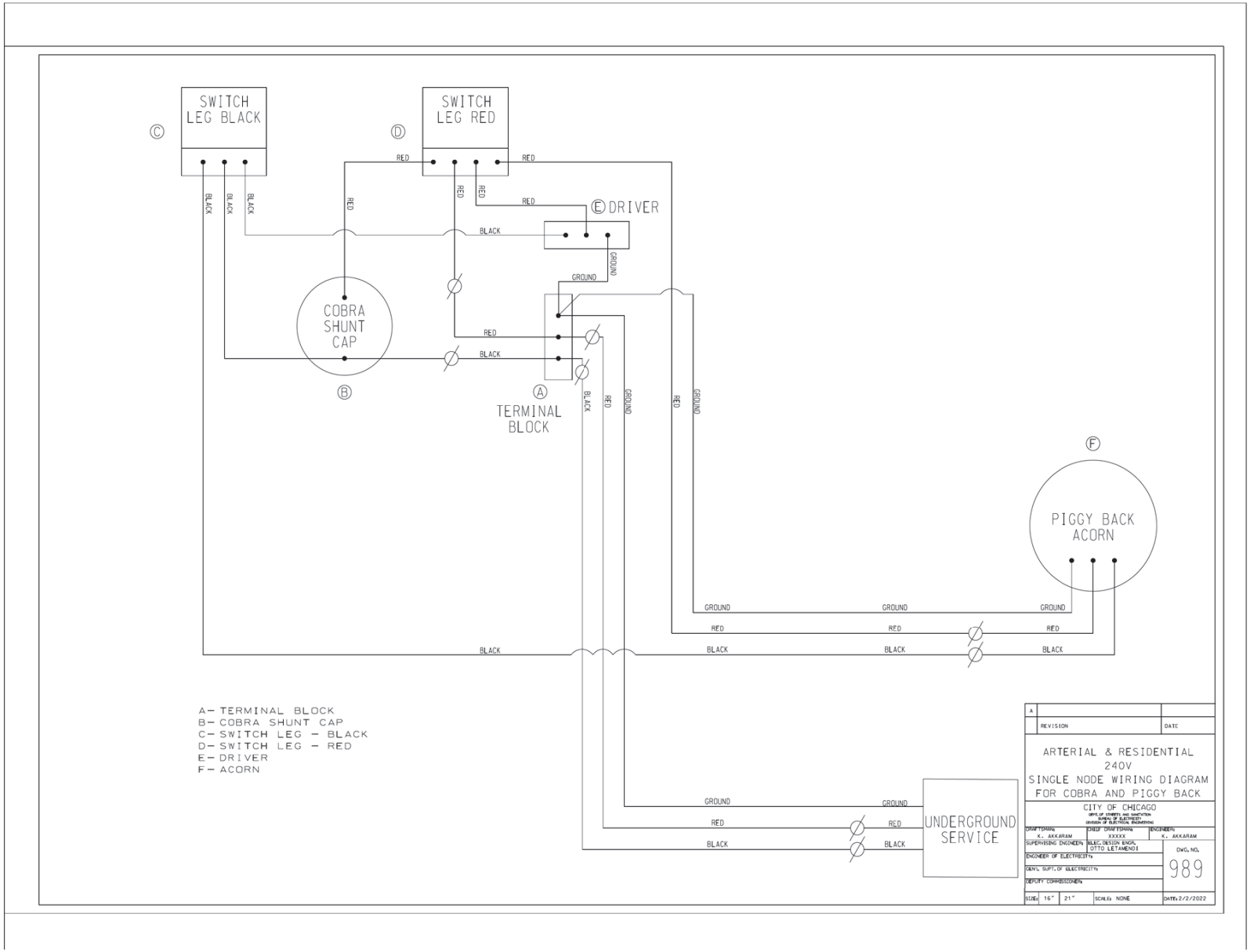
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-33
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 153 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022 by Lorenzo Lorenzo-Sanchez on C:\Users\lorenzo-sanchez\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABSC-10812-S1-Lan-Elec-Details-15.dgn
PLOT DATE = 8/11/2022



NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

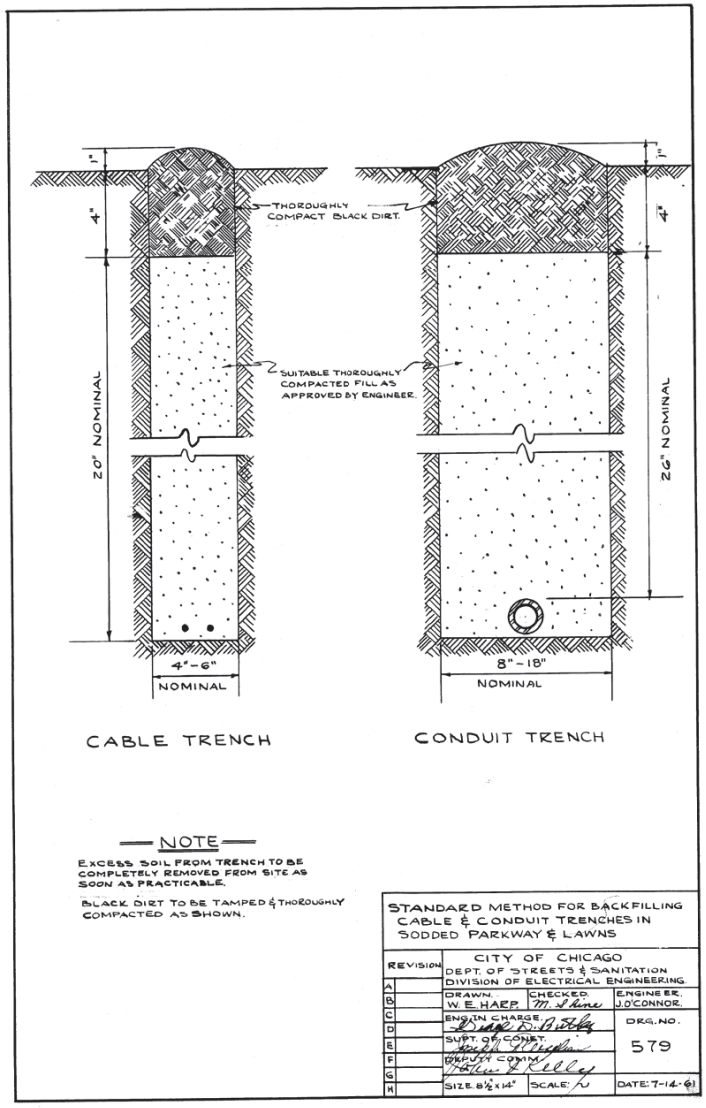
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO.
DESIGNED: R. SCARIA	**E-34**
CHECKED: G. THIESSE	SHEET NO.
CCE #:	154 OF 207
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

PLOT DATE = 8/11/2022



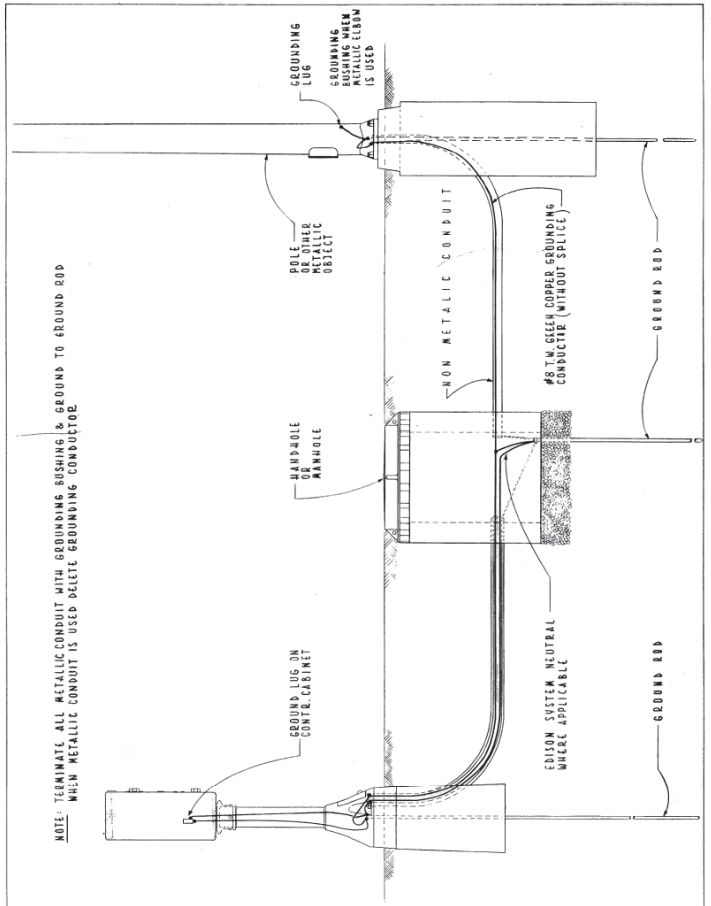
NOTE

EXCESS SOIL FROM TRENCH TO BE COMPLETELY REMOVED FROM SITE AS SOON AS PRACTICABLE.

BLACK DIRT TO BE TAMPED & THOROUGHLY COMPACTED AS SHOWN.

STANDARD METHOD FOR BACKFILLING CABLE & CONDUIT TRENCHES IN SODDED PARKWAY & LAWNS

REVISION	CITY OF CHICAGO DEPT. OF STREETS & SANITATION DIVISION OF ELECTRICAL ENGINEERING		
A	DRAWN: W. E. HARP	CHECKED: M. Shine	ENGINEER: J. O'CONNOR
B	ENG'R IN CHARGE: Joseph P. Kelly		DRG. NO.
C	SUPT. OF CONST.: Joseph Riordan		579
D	DEPUTY COMM.: Patrick J. Kelly		
E			
F			
G			
H	SIZE: 8½ x 14"	SCALE: N	DATE: 7-14-61



TYPICAL GROUNDING METHODS FOR BUREAU OF ELECTRICITY EQUIPMENT

REVISED	CITY OF CHICAGO DEPT. OF STREETS & SANITATION BUREAU OF ELECTRICITY DIVISION OF ELEC. ENGINEERING		
A	DRAWN: E. GERULIS	CHECKED: M. SHINE	ENGINEER: J. O'CONNOR
B	ENG. OF ELEC.: Thomas J. Duffy		DWG. NO.
C	SUPT. OF CONST.: Joseph Riordan		736
D	DEPUTY COMM.: Patrick J. Kelly		
E			
F	SIZE: 8½ x 14"	SCALE: 1" = 10'	DATE: 5-1-74

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

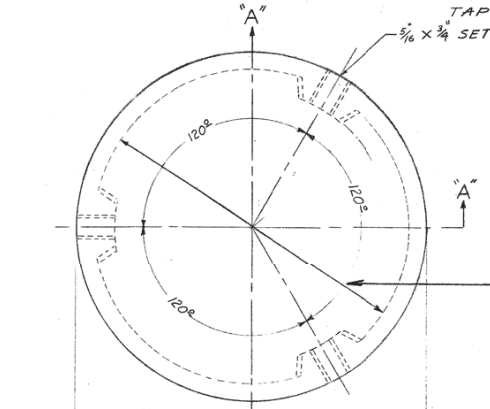
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO.
DESIGNED: R. SCARIA	**E-35**
CHECKED: G. THIESSE	SHEET NO.
CCE #:	155 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: Ramona.Scaria@benesch.com
Benesch
File Name: C:\Users\Ramona.Scaria\Benesch\Benesch - Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABS-10812-S1-Land-Details-17.dgn
PLOT DATE = 8/11/2022

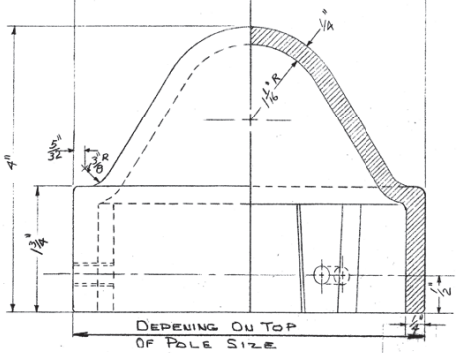


MATERIAL – CAST IRON OR
CAST ALUMINUM

NOTES

A 3-5/8"-16X3/4" STAINLESS STEEL SET SCREWS TO BE FURNISHED WITH EACH TOP

B FOR USE ON THE FOLLOWING SIZE POLES:
27'-6" - -3 AND 7 GAUGE
29'-6" - -3 AND 7 GAUGE
32'-6" - -3 AND 7 GAUGE
34'-6" - -3 AND 7 GAUGE 10", 11" & 12½" BASE DIAM.



SECTION "A-A"

CAST POLETOP FOR STEEL POLE

REVISED		CITY OF CHICAGO DEPT. OF STREETS AND SANITATION BUREAU OF ELECTRICITY DIVISION OF ELECTRICAL ENGINEERING			
A	2-13-85	DRAWN	CHECKED	ENGINEER	
B		D.NELLA	A. Dudeby	A. Dudeby	
C				ENG. NO.	
D			ENG. IN CHARGE	11420-A	
E			SUPT. OF CONST.		
F			DEPUTY COMM.		
G		SIZE 16"X 21"	NOT TO SCALE	DATE 10-9-69	

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

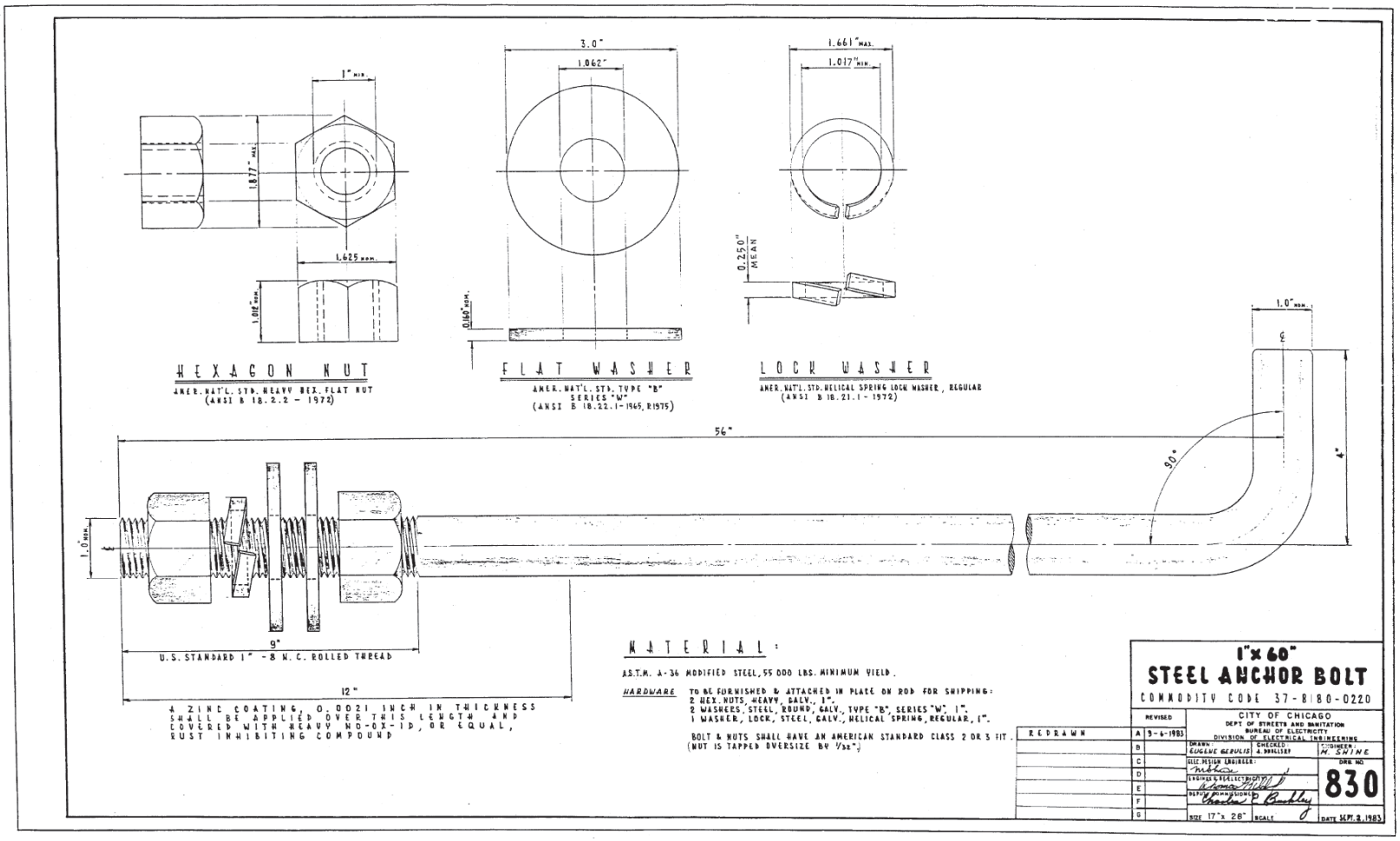
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E–36
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	SHEET NO. 156 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.o'connor-snedeker@cdot.com
File Name: C:\Users\lawrence.o'connor-snedeker\Documents\10800s\10812.00\Eng_Docs\Landing\Plans\Section 1\ABSC-10812-S1-Lnd-Plans-details-18.dgn
PLOT DATE = 8/11/2022



MATERIAL:

A.S.T.M. A-36 MODIFIED STEEL, 55 000 LBS. MINIMUM YIELD.

HARDWARE TO BE FURNISHED & ATTACHED IN PLACE ON ROD FOR SHIPPING:
2 HEX. NUTS, HEAVY, GALV., 1".
2 WASHERS, STEEL, ROUND, GALV., TYPE "B", SERIES "W", 1".
1 WASHER, LOCK, STEEL, GALV., HELICAL SPRING, REGULAR, 1".

BOLT & NUTS SHALL HAVE AN AMERICAN STANDARD CLASS 2 OR 3 FIT.
(NUT IS TAPPED OVERSIZE BY 1/32".)

1"x 60" STEEL ANCHOR BOLT

COMMODITY CODE 37-8180-0220

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

		REVISED	
REDRAWN	A	9-6-1983	DRAWN: EUGENE GERULIS & WOLLSEY / CHECKED: / ENGINEER: H. SHINE
	B		
	C		ELEC. DESIGN ENGINEER:
	D		ENGINEER OF ELECTRICITY
	E		DEPUTY COMMISSIONER
	F		DRG. NO. 830
	G		SIZE 17"x 26" SCALE DATE SEPT. 2, 1983

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-37
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 157 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022 by lawrence.scharidy@condenesch.com
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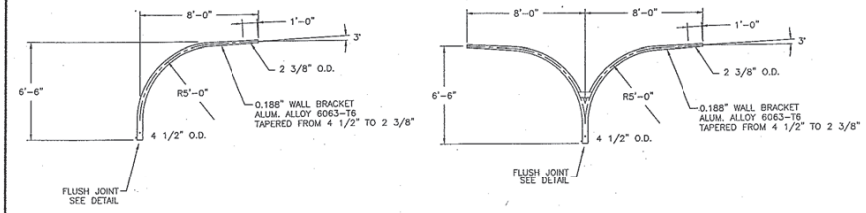
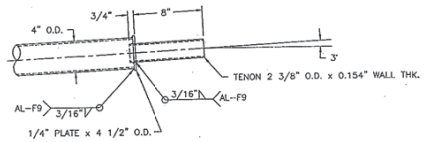
PLOT DATE = 8/11/2022

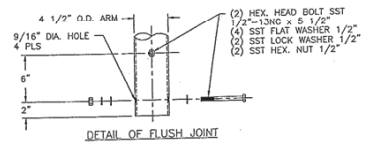


SINGLE DAVIT ARM

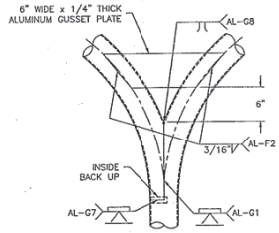
TWIN DAVIT ARM AT 180°



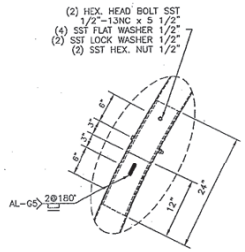
DETAIL OF TENON



DETAIL OF FLUSH JOINT



TWIN ARM (180°) WELD DETAIL



SPLICE DETAIL

REVISED		08-15-2012

ALUMINUM DAVIT ARM
4.5" x 8'-0"

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ELECTRICAL OPERATIONS

DRAFTSMAN	CHIEF DRAFTSMAN	ENGINEER
SUPERVISING ENGINEER	ELEC. DESIGN ENGR.	DWG. NO. 945
ENGINEER OF ELECTRICITY		
DEPT. ASST. OF CONSTRUCTION		
DEPUTY COMMISSIONER		
SIZE:	SCALE:	DATE: 1-29-02

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

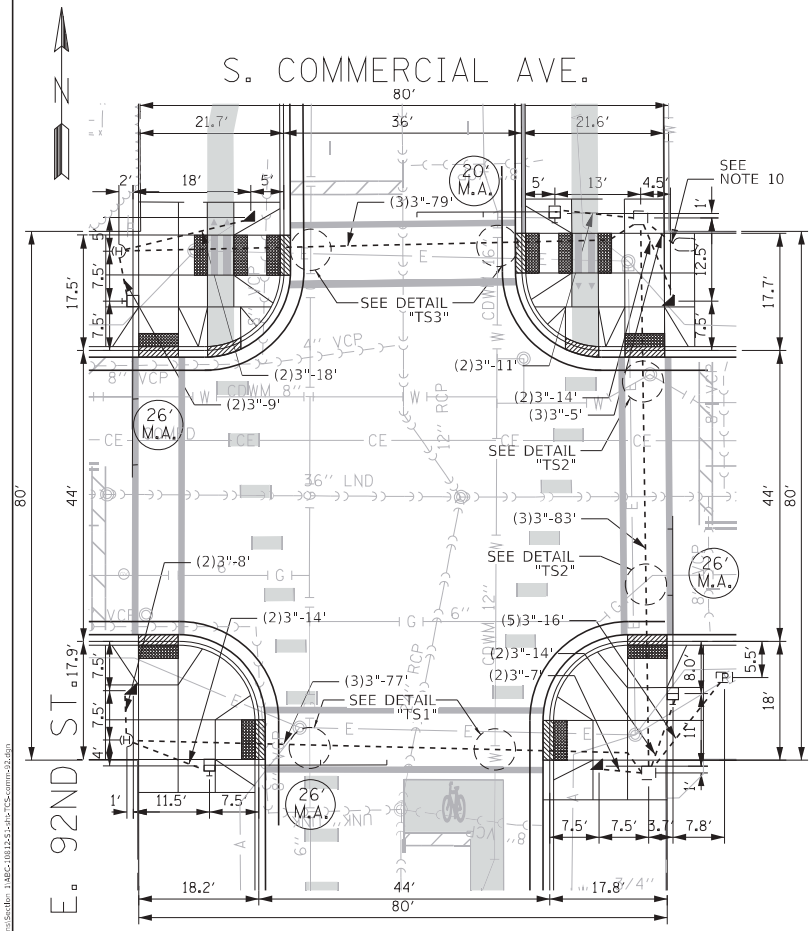
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

ELECTRICAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. E-38
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 158 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

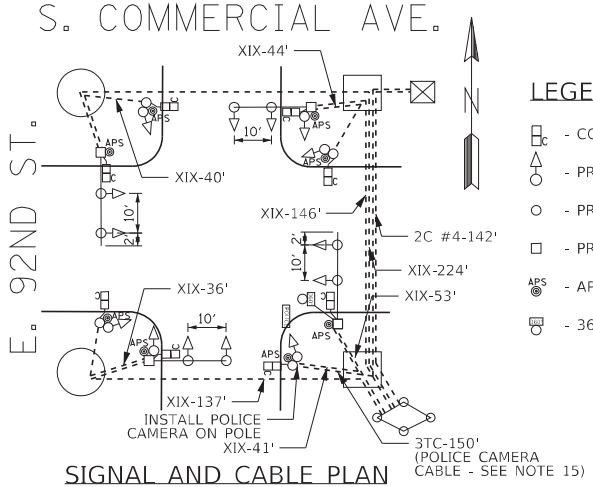
Plotted: 8/11/2022
By: lawrence.clarence-sandberg.com@benesch.com
File Name: C:\Users\lawrence.clarence-sandberg.com\Documents\10800s\10812.00\Eng_Docs\Landscape\Plans\Section 1\ABS-10812-S1-sht-01-elec-details-2020.dgn
PLOT DATE = 8/11/2022



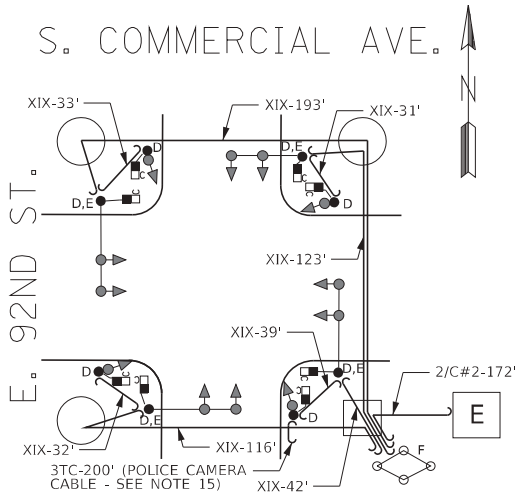
FOUNDATION AND CONDUIT PLAN
1"=20'

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77
(YELLOW)	14	20	5	14
(GREEN)	14	12	45	76
PROTECTED ARROW	-	10	10	0
PED SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	125	100	125
			TOTAL	577



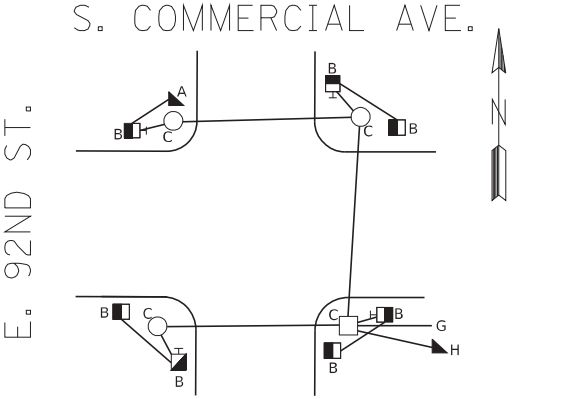
SIGNAL AND CABLE PLAN
NOT TO SCALE



SIGNAL AND CABLE REMOVAL PLAN
NOT TO SCALE

LEGEND:

- C - COUNTDOWN SIGNAL
- - PROPOSED TRAFFIC SIGNAL
- - PROPOSED TRAFFIC PEDESTAL
- - PROPOSED TRAFFIC SIGNAL POLE
- APS - APS PEDESTRIAN PUSH BUTTON
- - 360° FISH EYE CAMERA



FOUNDATION AND CONDUIT REMOVAL PLAN
NOT TO SCALE

REMOVAL LEGEND

- A - BREAKDOWN FOUNDATION (TYPE-A)
- B - BREAKDOWN FOUNDATION (TYPE-B)
- C - BREAKDOWN EXISTING MANHOLE/HANDHOLE
- D - REMOVE EXISTING TRAFFIC SIGNAL(S), PEDESTRIAN SIGNAL HEAD(S), JUNCTION BOX, AND POST OR POLE
- E - REMOVE EXISTING MAST ARM
- F - REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET
- G - REMOVE EXISTING SERVICE INSTALLATION
- H - REMOVE TRAFFIC SIGNAL FOUNDATION (BASE MOUNTED CONTROLLER)
- - REMOVE CABLE IN CONDUIT

NOTES:

1. INSTALL ATC CONTROLLER AND INTERSECTION TECHNOLOGY ENHANCEMENT EQUIPMENT IN PROPOSED SUPER P CABINET WITH UPS
2. CONTROLLER FOUNDATIONS IN SIDEWALK TO BE INSTALLED PER DRAWING #888A
3. FOR CODE SHEET SEE DRAWING #826
4. CONDUITS SHALL BE SCHEDULE 40 UNDER SIDEWALK OR PARKWAY AND SCHEDULE 80 UNDER PAVEMENT UNLESS OTHERWISE SPECIFIED
5. ALL UNDERGROUND UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. FOREMAN SHALL CALL DIGGER AT (312) 744-700 48 HOURS BEFORE STARTING ANY EXCAVATION
6. ALL CONDUITS ARE LAID AT 30" BELOW THE GROUND LEVEL EXCEPT AT LOCATIONS INDICATED IN THE PLAN
7. ALL FIELD CHANGES TO POLE LAYOUTS MUST BE COORDINATED WITH CDOT DIVISION OF ENGINEERING
8. ROADWAY DIMENSIONS ARE TO BE FACE OF CURB UNLESS OTHERWISE NOTES
9. EACH APS TO HAVE 4/C #18 CABLE DIRECTLY TO CORRESPONDING PEDESTRIAN SIGNAL HEAD
10. SEE LIGHTING INSTALLATION PLAN SHEET E-5 FOR SERVICE CABLE CONNECTION
11. SEE UTILITY CROSSING DETAILS SHEET TS-4 FOR VERTICAL DETAILS ON UTILITY CROSSING LOCATIONS NOTED
12. CAT 6 CABLE SHALL BE INSTALLED WITH .5" CORRUGATED HDPE DUCT FROM CAMERA TO CONTROLLER
13. ALL SIGNAL POSTS SHALL BE 15 FEET.
14. TRAFFIC SIGNALS MOUNTED ON MAST ARMS SHALL BE 15 FEET ABOVE THE TRAVELLED ROADWAY WHEN MEASURED TO THE BOTTOM OF THE SIGNAL HOUSING
15. 1P-30A BREAKER TO BE ADDED FOR POLICE CAMERA CABLE. OEMC IS TO REMOVE AND REINSTALL CAMERA AND ALL APPURTENANCES. CONTRACTOR TO COORDINATE WITH OEMC.

TS-1

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

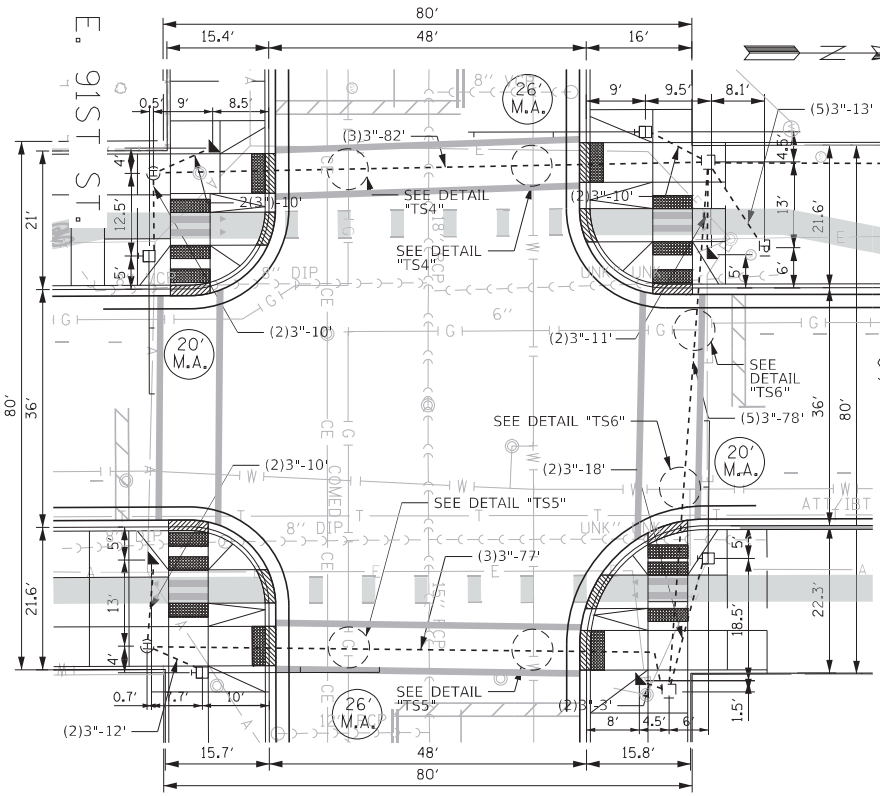
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC CONTROL SIGNALS S COMMERCIAL AVE & E 92ND ST

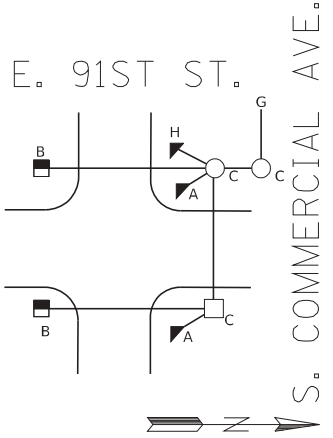
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. 12074
DESIGNED: R. SCARIA	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 159 OF 207
SCALE: 1" = 20'	
PROJECT NO. 5-0-447	CONTRACT NO. 32250

Plotted: 8/11/2022
By: brandon.jaworski on subwindey.com benesch-sgw01:\Documents\10800s\10812.00\Eng_Docs\Signal\Plans\Section 1\ABC-10812-S1-ts2-TCS-comm-2.dgn



FOUNDATION AND CONDUIT PLAN
1"=20'

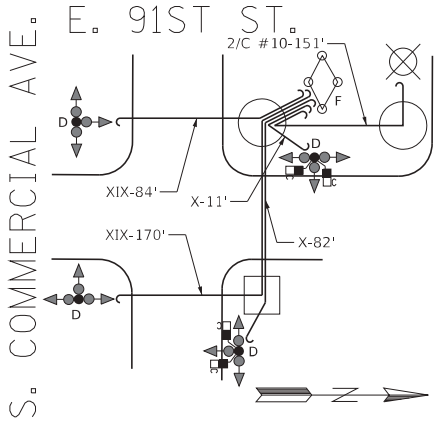


FOUNDATION AND CONDUIT REMOVAL PLAN
NOT TO SCALE

REMOVAL LEGEND

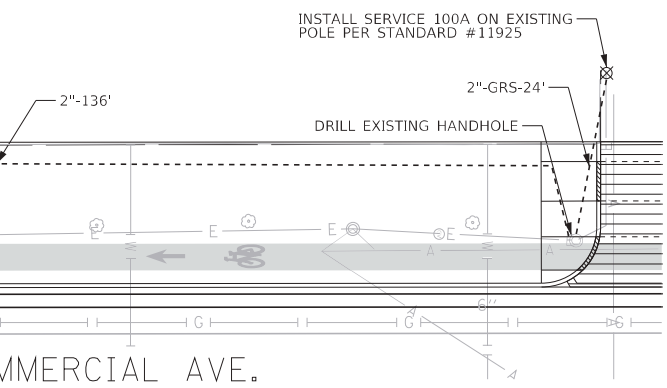
- A - BREAKDOWN FOUNDATION (TYPE-A)
- B - BREAKDOWN FOUNDATION (TYPE-B)
- C - BREAKDOWN EXISTING MANHOLE/HANDHOLE
- D - REMOVE EXISTING TRAFFIC SIGNAL(S), PEDESTRIAN SIGNAL HEAD(S), JUNCTION BOX, AND POST OR POLE
- E - REMOVE EXISTING MAST ARM
- F - REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET
- G - REMOVE EXISTING SERVICE INSTALLATION
- H - REMOVE TRAFFIC SIGNAL FOUNDATION (BASE MOUNTED CONTROLLER)

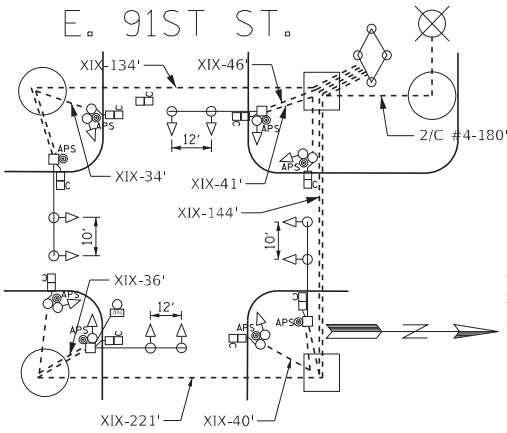
REMOVE CABLE IN CONDUIT



SIGNAL AND CABLE REMOVAL PLAN
NOT TO SCALE

INSTALL SERVICE 100A ON EXISTING POLE PER STANDARD #11925





SIGNAL AND CABLE PLAN

TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATIONS	TOTAL WATTAGE
SIGNAL (RED)	14	11	50	77
(YELLOW)	14	20	5	14
(GREEN)	14	12	45	76
PROTECTED ARROW	-	10	10	0
PED SIGNAL	8	20	100	160
CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	1	125	100	125
			TOTAL	577

LEGEND:

- C - COUNTDOWN SIGNAL
- PROPOSED TRAFFIC SIGNAL
- PROPOSED TRAFFIC PEDESTAL
- PROPOSED TRAFFIC SIGNAL POLE
- APS - APS PEDESTRIAN PUSH BUTTON
- 360 - 360° FISH EYE CAMERA

NOTES:

1. INSTALL ATC CONTROLLER AND INTERSECTION TECHNOLOGY ENHANCEMENT EQUIPMENT IN PROPOSED SUPER P CABINET WITH UPS.
2. CONTROLLER FOUNDATIONS IN SIDEWALK TO BE INSTALLED PER DRAWING #888A.
3. FOR CODE SHEET SEE DRAWING #826.
4. CONDUITS SHALL BE SCHEDULE 40 UNDER SIDEWALK OR PARKWAY AND SCHEDULE 80 UNDER PAVEMENT UNLESS OTHERWISE SPECIFIED.
5. ALL UNDERGROUND UTILITIES SHOWN IN THE PLANS ARE APPROXIMATE. FOREMAN SHALL CALL DIGGER AT (312) 744-700 48 HOURS BEFORE STARTING ANY EXCAVATION.
6. ALL CONDUITS ARE LAID AT 30" BELOW THE GROUND LEVEL EXCEPT AT LOCATIONS INDICATED IN THE PLAN.
7. ALL FIELD CHANGES TO POLE LAYOUTS MUST BE COORDINATED WITH CDOT DIVISION OF ENGINEERING.
8. ROADWAY DIMENSIONS ARE TO BE FACE OF CURB UNLESS OTHERWISE NOTES.
9. EACH APS TO HAVE 4/C #18 CABLE DIRECTLY TO CORRESPONDING PEDESTRIAN SIGNAL HEAD.
10. SEE UTILITY CROSSING DETAILS SHEET TS-4 FOR VERTICAL DETAILS ON UTILITY CROSSING LOCATIONS NOTED.
11. CAT 6 CABLE SHALL BE INSTALLED WITH CORRUGATED HDPE DUCT.
    CONDUIT FROM CAMERA TO CONTROLLER
12. CONNECT TO EXISTING STREET LIGHTING CONTROLLER FOR SERVICE.
13. ALL SIGNAL POSTS SHALL BE 15 FEET.
14. TRAFFIC SIGNALS MOUNTED ON MAST ARMS SHALL BE 15 FEET ABOVE THE TRAVELLED ROADWAY WHEN MEASURED TO THE BOTTOM OF THE SIGNAL HOUSING

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

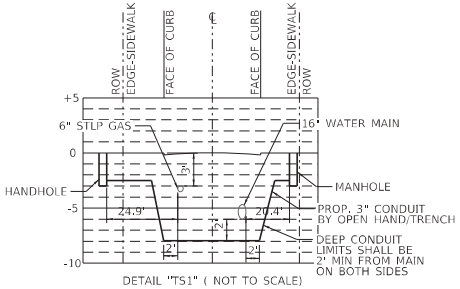
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC CONTROL SIGNALS S COMMERCIAL AVE & E 91ST ST

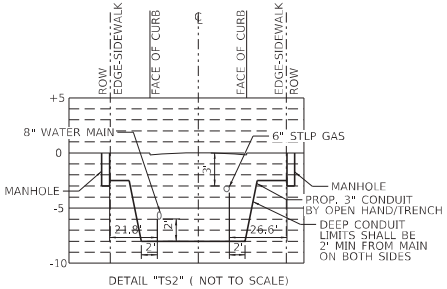
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. 12603
DESIGNED: A. RODRIGUEZ	
CHECKED: G. THIESSE	
CCE #:	SHEET NO. 160 OF 207
SCALE: 1" = 20'	
PROJECT NO. 5-0-447	CONTRACT NO. 32250

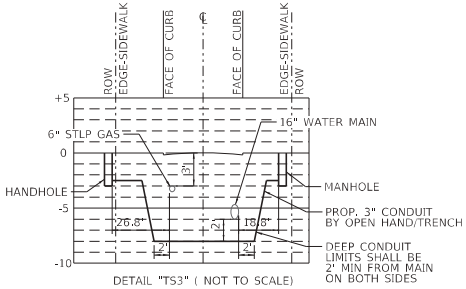
TS-2



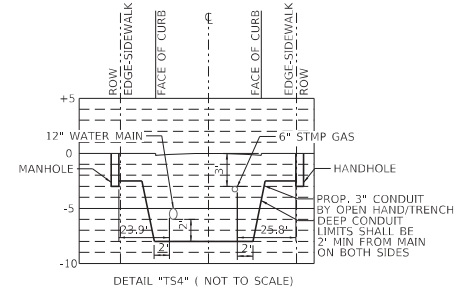
DETAIL "TS1" (NOT TO SCALE)
FACING NORTH
E. 92ND ST. (9200 S)



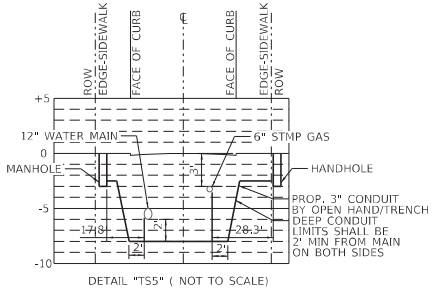
DETAIL "TS2" (NOT TO SCALE)
FACING EAST
E. 92ND ST. (9200 S)



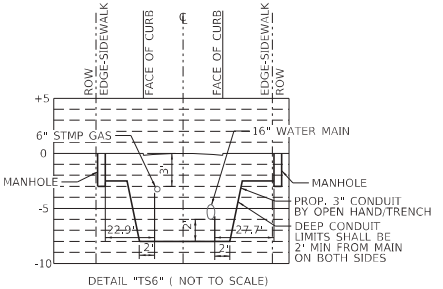
DETAIL "TS3" (NOT TO SCALE)
FACING NORTH
E. 92ND ST. (9200 S)



DETAIL "TS4" (NOT TO SCALE)
FACING EAST
E. 91ST ST. (9100 S)



DETAIL "TS5" (NOT TO SCALE)
FACING EAST
E. 91ST ST. (9100 S)



DETAIL "TS6" (NOT TO SCALE)
FACING NORTH
E. 91ST ST. (9100 S)

NOTES:

1. THE MINIMUM VERTICAL CLEARANCE (EDGE-TO-EDGE) FROM ALL WATER MAINS IS 18 INCHES, FOR FEEDER MAINS, THE MINIMUM HORIZONTAL CLEARANCE (EDGE-TO-EDGE) IS FOUR (4) FEET UNLESS OTHERWISE NOTED ON PLANS.
2. THE MINIMUM VERTICAL CLEARANCE (EDGE-TO-EDGE) FROM ALL GAS MAINS IS 18 INCHES, THE MINIMUM HORIZONTAL CLEARANCE (EDGE-TO-EDGE) IS THREE (3) FEET UNLESS OTHERWISE NOTED ON PLANS.
3. SEE TS-1 AND TS-2 SHEETS FOR LOCATIONS OF UTILITY CROSSINGS.

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC CONTROL SIGNALS UTILITY CROSSING DETAIL

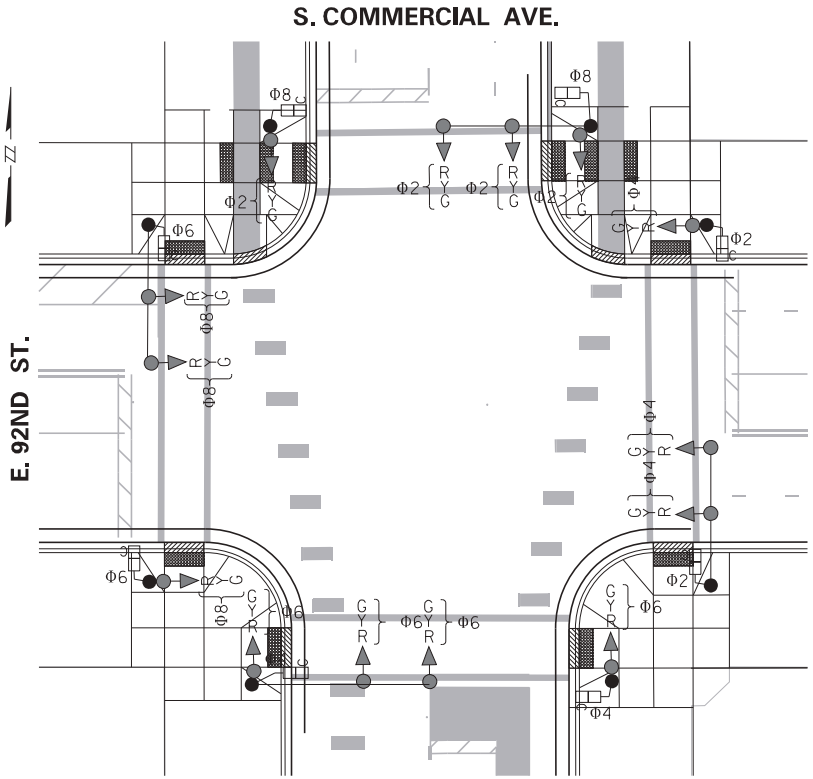
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO.
DESIGNED: A. RODRIGUEZ	
CHECKED: G. THIESSE	SHEET NO.
CCE #:	161 OF 207
SCALE: NTS	
PROJECT NO. 5-0-447	CONTRACT NO. 32250

TS-3

Plotted: 8/11/2022
By: Jaime.Lopez@benesch.com
File Name: C:\Users\jlopez\benesch.com\benesch-apps\Documents\10800s\10812.00\Eng_Docs\Signals\Plans\Section 1\ABC-10812-S1-ts3-TCScommonutility_Profile.dgn

DIAL	CYCLE LENGTH	OFFSET	TIMES OF OPERATION	FLASH OPERATION
1	105''	94''	ALL OTHER TIMES	RΦ2, RΦ4, RΦ6, RΦ8, WALK/DON'T WALK OFF
2	105''	94''	6:00 AM TO 10:00 AM MONDAY - FRIDAY	
3	105''	74''	3:00 PM TO 7:00 PM MONDAY - FRIDAY	
4				



DIAL 1

	PHASE							
PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		62		27		62		27
TRAILING GREEN								
YELLOW CHANGE		3		3		3		3
RED CLEARANCE		2		2		2		2
WALK		7		17		7		19
PED CLEARANCE		52		13		52		11
SPLITS		70		35		70		35
SEQUENCE								
ADVANCE PED(LPI)		3		3		3		3
HOLDING PED(LAG PED)								
RECALL		MAX		COORD		MAX		COORD
FORCE MODE	N/A							

DIAL 2

	PHASE							
PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		62		27		62		27
TRAILING GREEN								
YELLOW CHANGE		3		3		3		3
RED CLEARANCE		2		2		2		2
WALK		7		17		7		19
PED CLEARANCE		52		13		52		11
SPLITS		70		35		70		35
SEQUENCE								
ADVANCE PED(LPI)		3		3		3		3
HOLDING PED(LAG PED)								
RECALL		MAX		COORD		MAX		COORD
FORCE MODE	N/A							

DIAL 3

	PHASE							
PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		62		27		62		27
TRAILING GREEN								
YELLOW CHANGE		3		3		3		3
RED CLEARANCE		2		2		2		2
WALK		7		17		7		19
PED CLEARANCE		52		13		52		11
SPLITS		70		35		70		35
SEQUENCE								
ADVANCE PED(LPI)		3		3		3		3
HOLDING PED(LAG PED)								
RECALL		MAX		COORD		MAX		COORD
FORCE MODE	N/A							

S. COMMERCIAL AVE. & E. 92ND ST.

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC SAFETY

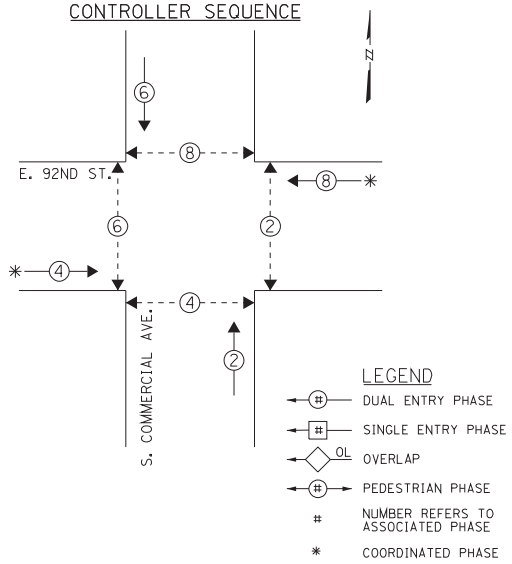
TOTAL SHEETS	SHEET NO.
207	162

TRAFFIC SIGNAL TIMING SCHEDULE

TRAFFIC SIGNAL TIMING SCHEDULE

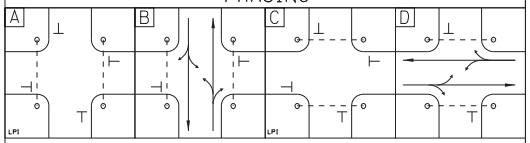
CONSULTANT FIRM NAME/ ADDRESS benesch Alfred Benesch & Company 30 W Washington Blvd, Suite 3000 Chicago, IL 60601 312-565-0450 Job No. 10612.S1	DESIGNED BY: TRAFFIC ENGINEER
DESIGNED BY: A. RODRIGUEZ	REVIEWED BY: TRAFFIC ENGINEER
APPROVED BY: G. THIESSE	APPROVED BY: TRAFFIC ENGINEER
DATE: 08-12-2022	DATE: XX-XX-XXXX
SHEET:	SENT: INSTALLED:

CONTROLLER SEQUENCE

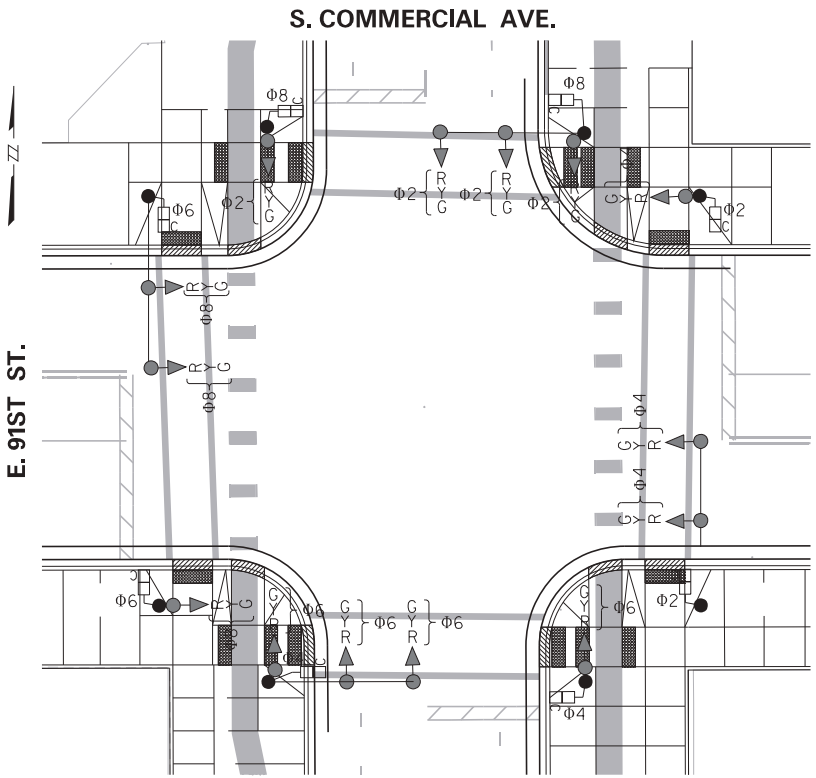


NOTES
1. ALL PEDESTRIAN SIGNALS ARE OF THE COUNTDOWN TYPE
2. PEDESTRIAL PUSH BUTTONS INSTALLED AT THIS LOCATION

PHASING



DIAL	CYCLE LENGTH	OFFSET	TIMES OF OPERATION	FLASH OPERATION
1	105''	2''	ALL OTHER TIMES	RΦ2, RΦ4, RΦ6, RΦ8,
2	105''	2''	6:00 AM TO 10:00 AM MONDAY - FRIDAY	WALK/DON'T WALK OFF
3	105''	82''	3:00 PM TO 7:00 PM MONDAY - FRIDAY	
4				



DIAL 1

	PHASE							
PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		62		27		62		27
TRAILING GREEN								
YELLOW CHANGE		3		3		3		3
RED CLEARANCE		2		2		2		2
WALK		51		19		51		19
PED CLEARANCE		14		11		14		11
SPLITS		70		35		70		35
SEQUENCE								
ADVANCE PED(LPI)		3		3		3		3
HOLDING PED(LAG PED)								
RECALL		MAX		COORD		MAX		COORD
FORCE MODE	N/A							

DIAL 2

	PHASE							
PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		62		27		62		27
TRAILING GREEN								
YELLOW CHANGE		3		3		3		3
RED CLEARANCE		2		2		2		2
WALK		51		19		51		19
PED CLEARANCE		14		11		14		11
SPLITS		70		35		70		35
SEQUENCE								
ADVANCE PED(LPI)		3		3		3		3
HOLDING PED(LAG PED)								
RECALL		MAX		COORD		MAX		COORD
FORCE MODE	N/A							

DIAL 3

	PHASE							
PHASE NUMBER	1	2	3	4	5	6	7	8
DIRECTION	SBLT	NB	WBLT	EB	NBLT	SB	EBLT	WB
MIN GREEN								
VEHICLE EXT.								
MAX GREEN		62		27		62		27
TRAILING GREEN								
YELLOW CHANGE		3		3		3		3
RED CLEARANCE		2		2		2		2
WALK		51		19		51		19
PED CLEARANCE		14		11		14		11
SPLITS		70		35		70		35
SEQUENCE								
ADVANCE PED(LPI)		3		3		3		3
HOLDING PED(LAG PED)								
RECALL		MAX		COORD		MAX		COORD
FORCE MODE	N/A							

S. COMMERCIAL AVE. & E. 91ST ST.

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF TRAFFIC SAFETY

TOTAL SHEETS	SHEET NO.
207	163

TRAFFIC SIGNAL TIMING SCHEDULE

TRAFFIC SIGNAL TIMING SCHEDULE

CONSULTANT FIRM NAME/ ADDRESS

benesch
Alfred Benesch & Company
30 W Washington Street, Suite 2000
Chicago, Illinois 60601
312-565-0450 Job No. 10612.51

DESIGNED BY:

TRAFFIC ENGINEER

DESIGNED BY:

A. RODRIGUEZ

REVIEWED BY:

TRAFFIC ENGINEER

APPROVED BY:

G. THIESSE

APPROVED BY:

TRAFFIC ENGINEER

DATE: 08-12-2022

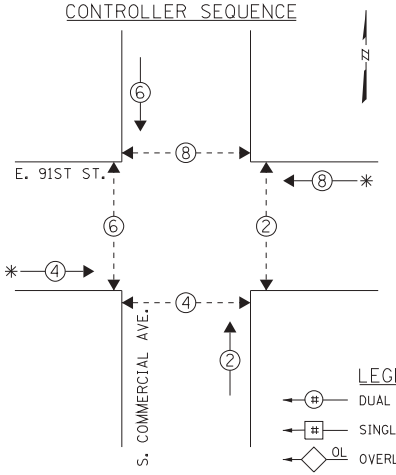
DATE: XX-XX-XXXX

SHEET:

SENT:

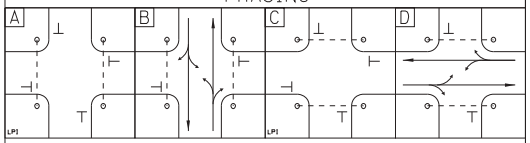
INSTALLED:

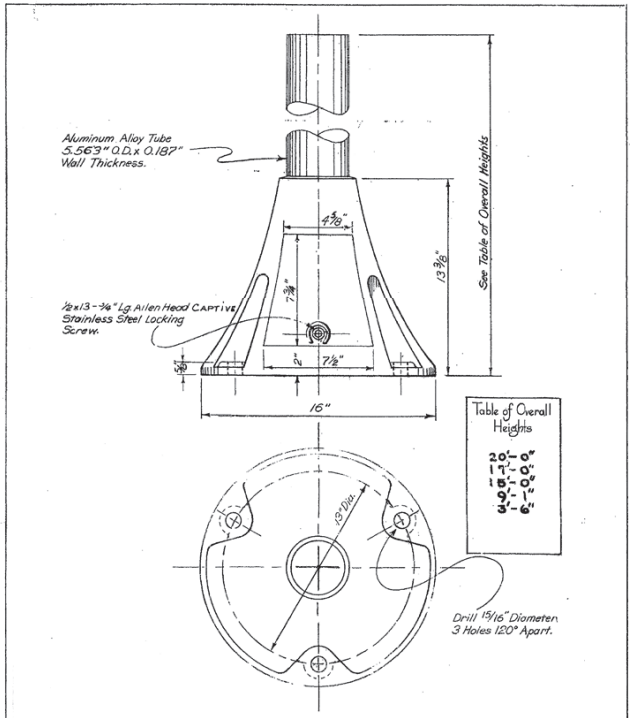
CONTROLLER SEQUENCE



NOTES
1. ALL PEDESTRIAN SIGNALS ARE OF THE COUNTDOWN TYPE
2. PEDESTRIAL PUSH BUTTONS INSTALLED AT THIS LOCATION

PHASING





PAINTING:

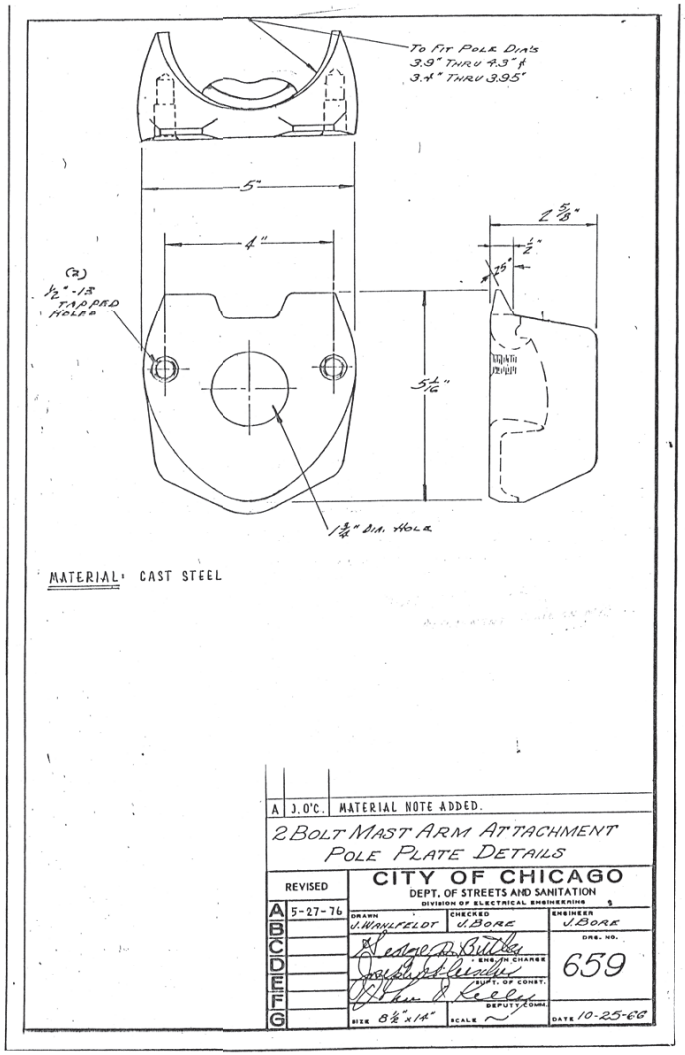
POWDER COAT
BASE AND TUBE
GLOSS BLACK

ALUMINUM PEDESTAL BASE WITH HANDHOLE
for
Street Lighting Controller, Traffic Signal
Controller and Traffic Signal Heads.

	REVISED	
K	PAINTING 12-4-14	
J	CHANGED OVERALL HEIGHTS 5-22-86	
	Revised Table of Overall Heights	A 5-5-60
	Revised O.D. of Pedestal	B 6-30-60
	Revised Specification Number	C 12-21-60
	REVISED TABLE OF OVERALL HEIGHTS	D 3-23-62
	REVISED DOOR DIMENSIONS	E 6-4-64
	Revised Overall Heights	F 7-14-71
	REVISED OVERALL HEIGHTS	G OCT. 26, 73
	REVISED OVERALL HEIGHTS	H 5-4-79

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

DRAWN: R. COLLEY | CHECKED: J. BORE | ENGINEER: Ruzicka
ENG. IN CHARGE: David D. Butler
SUPT. OF CONSTRUCTION: John J. Kenny
DEPUTY COMMISSIONER: John J. Reeves
DRG. NO. 526
SIZE 8½"x14" | SCALE: 1" | DATE 4-13-60



MATERIAL: CAST STEEL

A	J.O'C.	MATERIAL NOTE ADDED.

2 BOLT MAST ARM ATTACHMENT
POLE PLATE DETAILS

REVISED	
A	5-27-76
B	
C	
D	
E	
F	
G	

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING

DRAWN: J. MANLFELDT | CHECKED: J. BORE | ENGINEER: J. BORE
ENG. IN CHARGE: Gregory A. Butler
SUPT. OF CONST.: Joseph J. Kenny
DEPUTY COMM.: John J. Reeves
DRG. NO. 659
SIZE 8½"x14" | SCALE: ~ | DATE 10-25-66

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

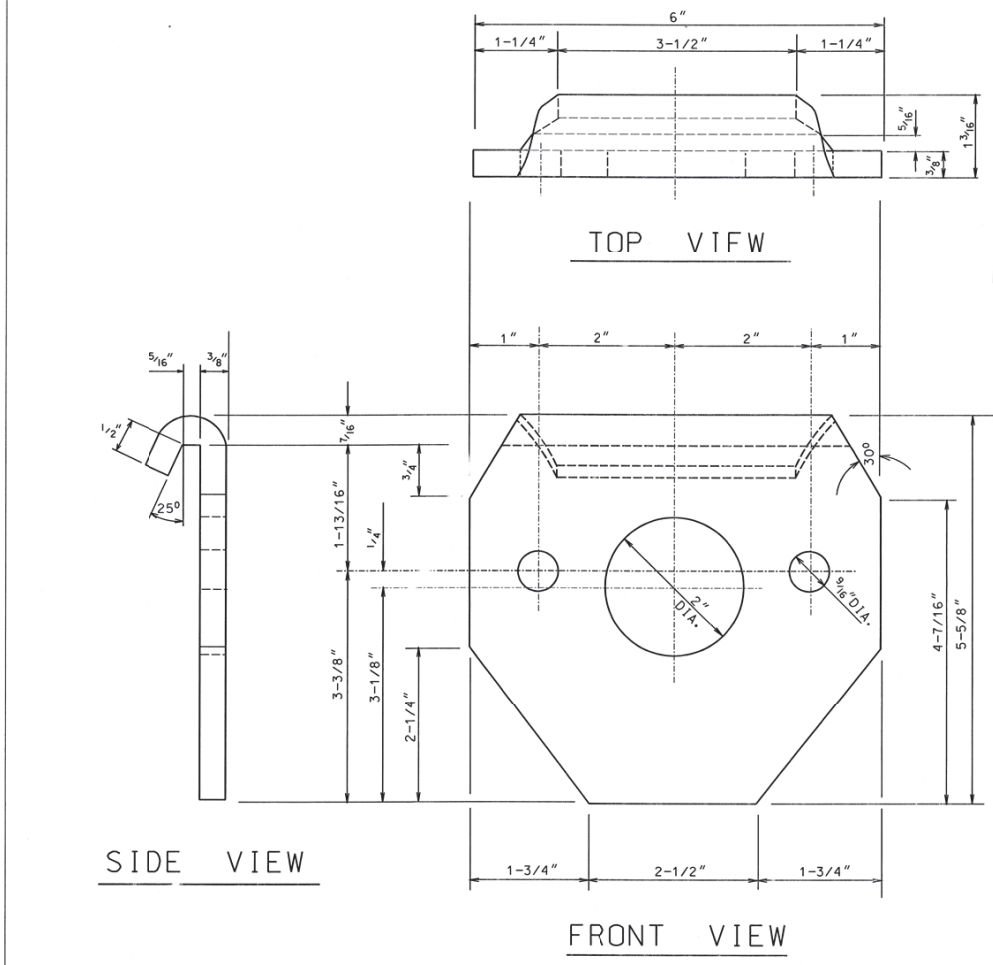
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO.
DESIGNED:	**TS-6**
CHECKED:	SHEET NO.
CCE #:	164 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: Lawrence Lawrence-sandberg on C:\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-Pole-Details-1.dgn
PLOT DATE = 8/11/2022



NO.	BY	DATE	DESCRIPTION

REVISIONS

03-01-02		REDRAWN	

TWO BOLT
MAST ARM ATTACHMENT
(BRACKET DETAILS)

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: ROBERT IVY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: RON POOL
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 724
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER: Brian E. Murphy		
SIZE:	SCALE: NONE	DATE: 03-01-73

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

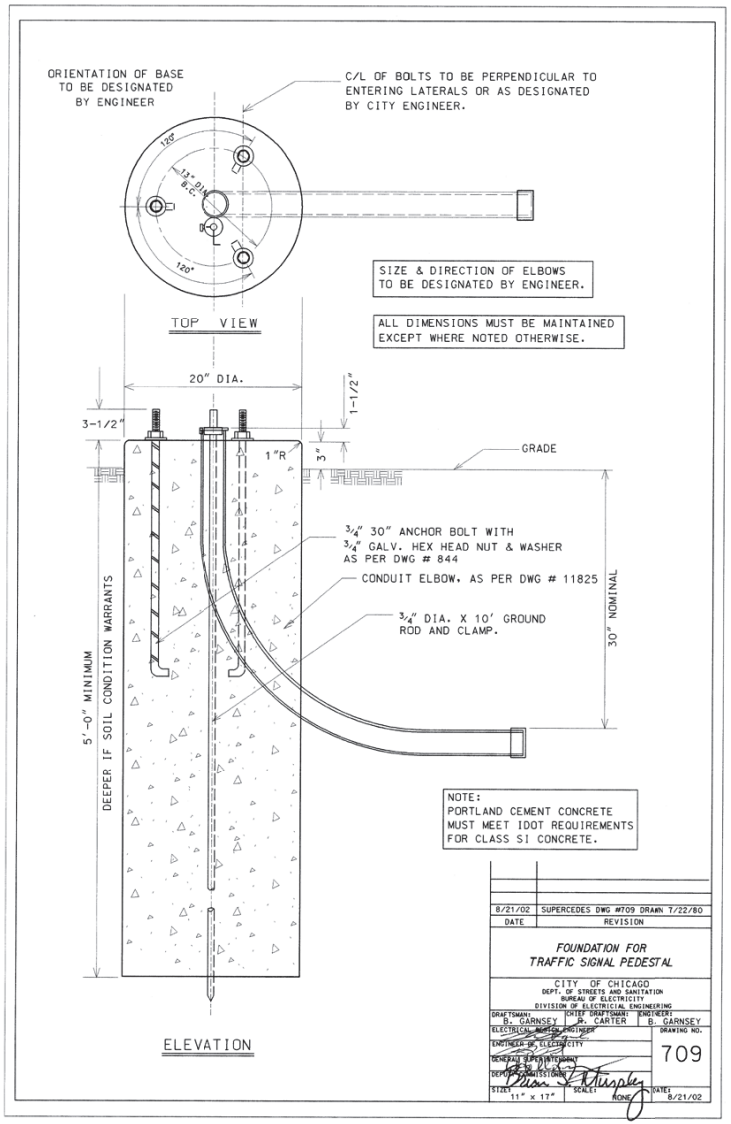
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS-7
DESIGNED:	
CHECKED:	
CCE #:	SHEET NO. 165 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.clarence-smith@benesch.com
File Name: C:\Users\clarence-smith\benesch.com\Documents - Documents\10800s\10812.00\Eng Docs\Signals Details\Section 1\ABC-10812-S1-Traffic Details-2.dgn
PLOT DATE = 8/11/2022



DATE	REVISION
8/21/02	SUPERCEDES DWG #709 DRAWN 7/22/80

FOUNDATION FOR TRAFFIC SIGNAL PEDESTAL

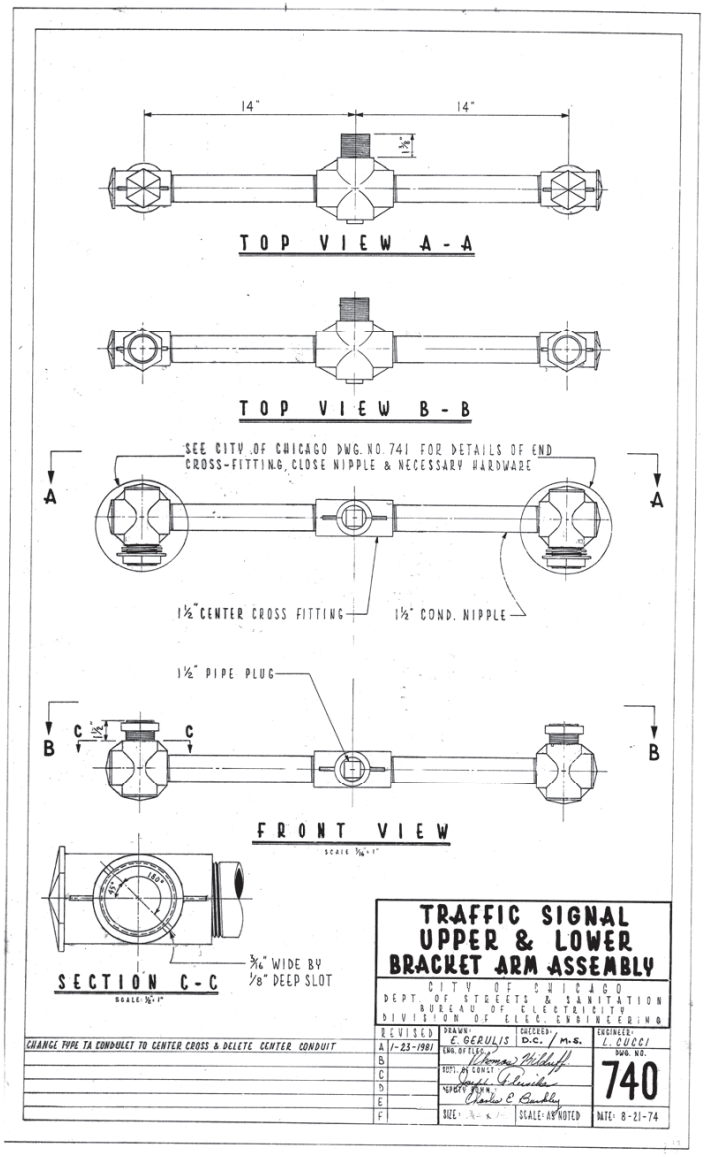
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: M. CARTER	ENGINEER: B. GARNSEY

ELECTRICAL SUPERINTENDENT
ENGINEER OF ELECTRICITY
GENERAL SUPERINTENDENT
DEPUTY COMMISSIONER

DRAWING NO. 709

SIZE: 11" x 17" | SCALE: NONE | DATE: 8/21/02



TRAFFIC SIGNAL UPPER & LOWER BRACKET ARM ASSEMBLY

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELEC. ENGINEERING

REVISED	DRAWN: E. GERULIS	CHECKED: D.C. / M.S.	ENGINEER: L. CUCCI
A 1-23-1981	ENG. OF FILES:		DWG. NO. 740
B	REGL. ASSIST. ENGR.		
C	SUPERV. DRFTM.		
D	SIZE:	SCALE: AS NOTED	DATE: 8-21-74
E			
F			

CHANGE TYPE TA CONDULET TO CENTER CROSS & DELETE CENTER CONDUIT

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

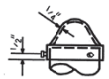
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

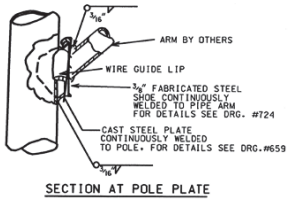
TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

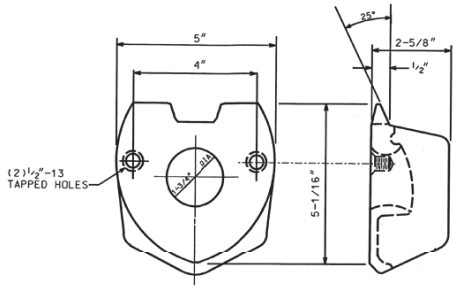
DATE: 08-12-2022	DRAWING NO.
DESIGNED:	**TS-8**
CHECKED:	SHEET NO.
CCE #:	166 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: brianmurphy on \\benesch-newark.win\benesch-newark\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-Pole-Details-2.dgn
PLOT DATE = 8/11/2022



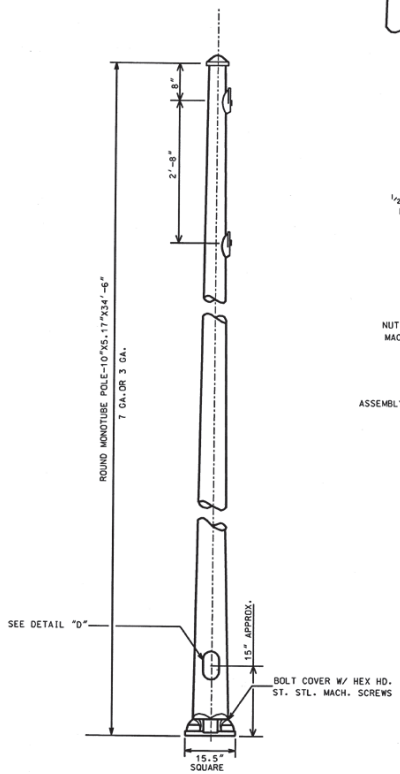


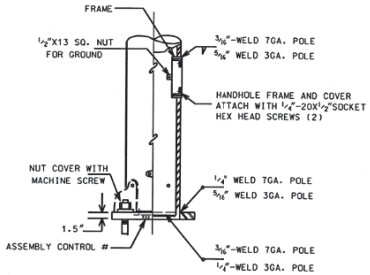
SECTION AT POLE PLATE



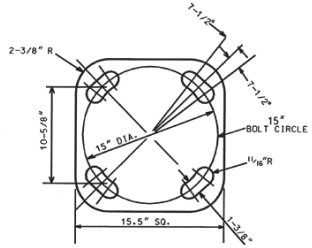
2 BOLT MAST ARM ATTACHMENT

FOR DETAILS SEE DRG.# 659 MATERIAL: CAST STEEL



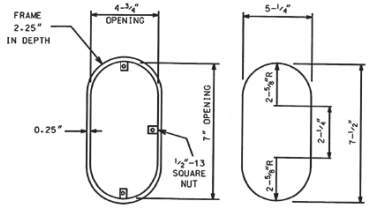


DETAIL "D"



DETAIL "A"

BOLT SLOTS



FRAME DOOR

HANDHOLE DETAIL

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

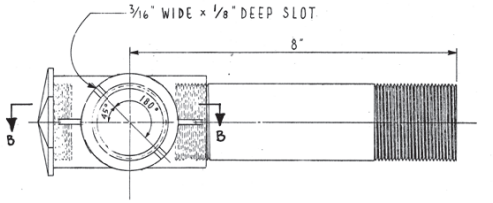
DATE: 08-12-2022	DRAWING NO. TS-9
DESIGNED:	
CHECKED:	
CCE #:	SHEET NO. 167 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

5.17"x10.0" STEEL/34'-6" POLE
7 OR 3 GAUGE

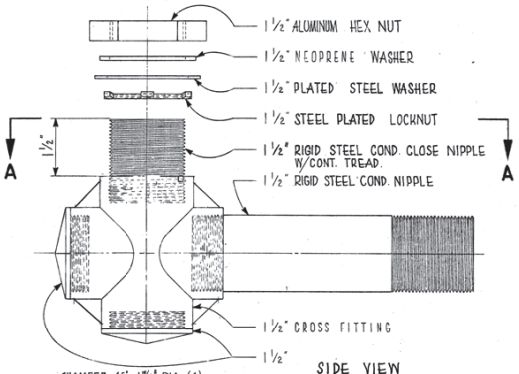
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: ROBERT IVY	CHIEF DRAFTSMAN: ROBERT CARTER	ENGINEER: RON POOL
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 808
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		10-03-01

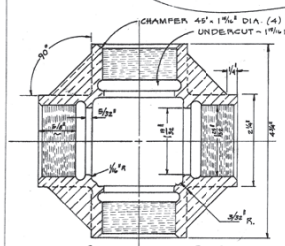
Plotted: 8/11/2022
By: brenner.sandberg on benesch-sandberg.com
J:\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-Handhole-detail-c-4.dgn
PLOT DATE = 8/11/2022



TOP VIEW A-A



SIDE VIEW

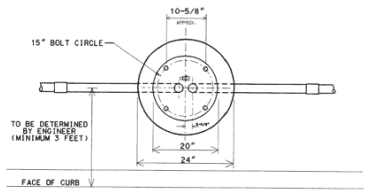


SECTION B-B

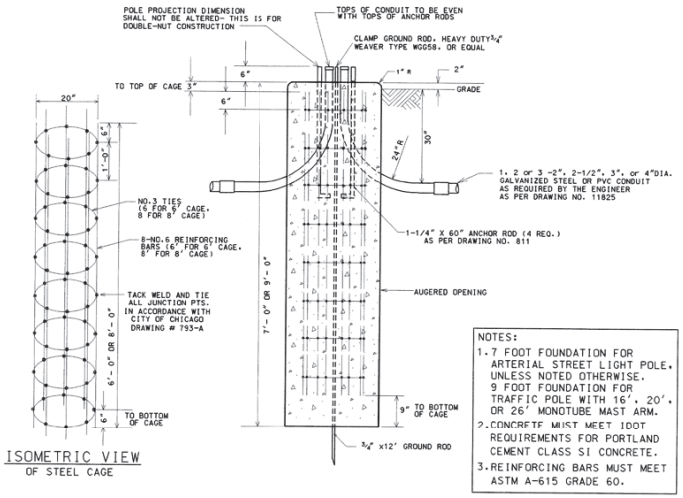
TRAFFIC SIGNAL BRACKET ARM ASSEMBLY

CITY OF CHICAGO
DEPT. OF STREETS & SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELEC. ENGINEERING

REVISED		DRAWN: E. GERULIS	CHECKED: D.C. / M.S.	ENGINEER: L. CUCCI
DELETE SET SCREWS	A 1-23-81	DIV. OF ELEC.		DWG. NO.
ADDED SECTION B-B	B 12-6-88	DEPT. DIRECTOR:		741
	C	DEPUTY COMM.:		
	D	SIZE:	SCALE: 1/2 = 1"	DATE: 8-21-74
	E			
	F			



TOP VIEW



ISOMETRIC VIEW
OF STEEL CAGE

ELEVATION

NOTES:
1. 7 FOOT FOUNDATION FOR ARTERIAL STREET LIGHT POLE, UNLESS NOTED OTHERWISE. 9 FOOT FOUNDATION FOR TRAFFIC POLE WITH 16', 20', OR 26' MONOTUBE MAST ARM.
2. CONCRETE MUST MEET IDOT REQUIREMENTS FOR PORTLAND CEMENT CLASS SI CONCRETE.
3. REINFORCING BARS MUST MEET ASTM A-615 GRADE 60.

NOTE: HOLE FOR FOUNDATION MUST BE AUGURED IN UNDISTURBED SOIL

CODE	COMMODITY	SIZE	QUANTITY
05-3267-2940	REDI-MIX CONCRETE	CU. YD.	0.82 OR 1.05
09-4001-	ELBOW, LARGE RADIUS	2",2-1/2",3",4"	VARIES
37-8180-0200	ANCHOR ROD	1-1/4" X 60"	4
05-5054-6910	RE-BAR CAGE	20"Ø X 6'(or 8')	1
09-7796-9200	GROUND ROD	3/4" X 12'-0"	1
09-2636-3240	GROUND ROD CLAMP	3/4 "	1
09-2092-	GROUND BUSHING	2",2-1/2",3" OR 4"	VARIES

DATE	REVISION
8/21/02	SUPERCEDES DWG #818 DRAWN 4/21/81

FOUNDATION FOR 34'-6" ARTERIAL STREET LIGHT OR TRAFFIC SIGNAL POLE -3 OR 7 GAUGE WITH 15' BOLT CIRCLE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: B. GARNSEY	CHIEF DRAFTSMAN: R. CARTER	ENGINEER: B. GARNSEY
ELECTRICAL DESIGN ENGINEER		DRAWING NO.
ENGINEER OF ELECTRICITY		818
CHIEF ENGINEER		
DEPUTY COMMISSIONER		
SIZE: 11" x 17"	SCALE: NONE	8/21/02

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

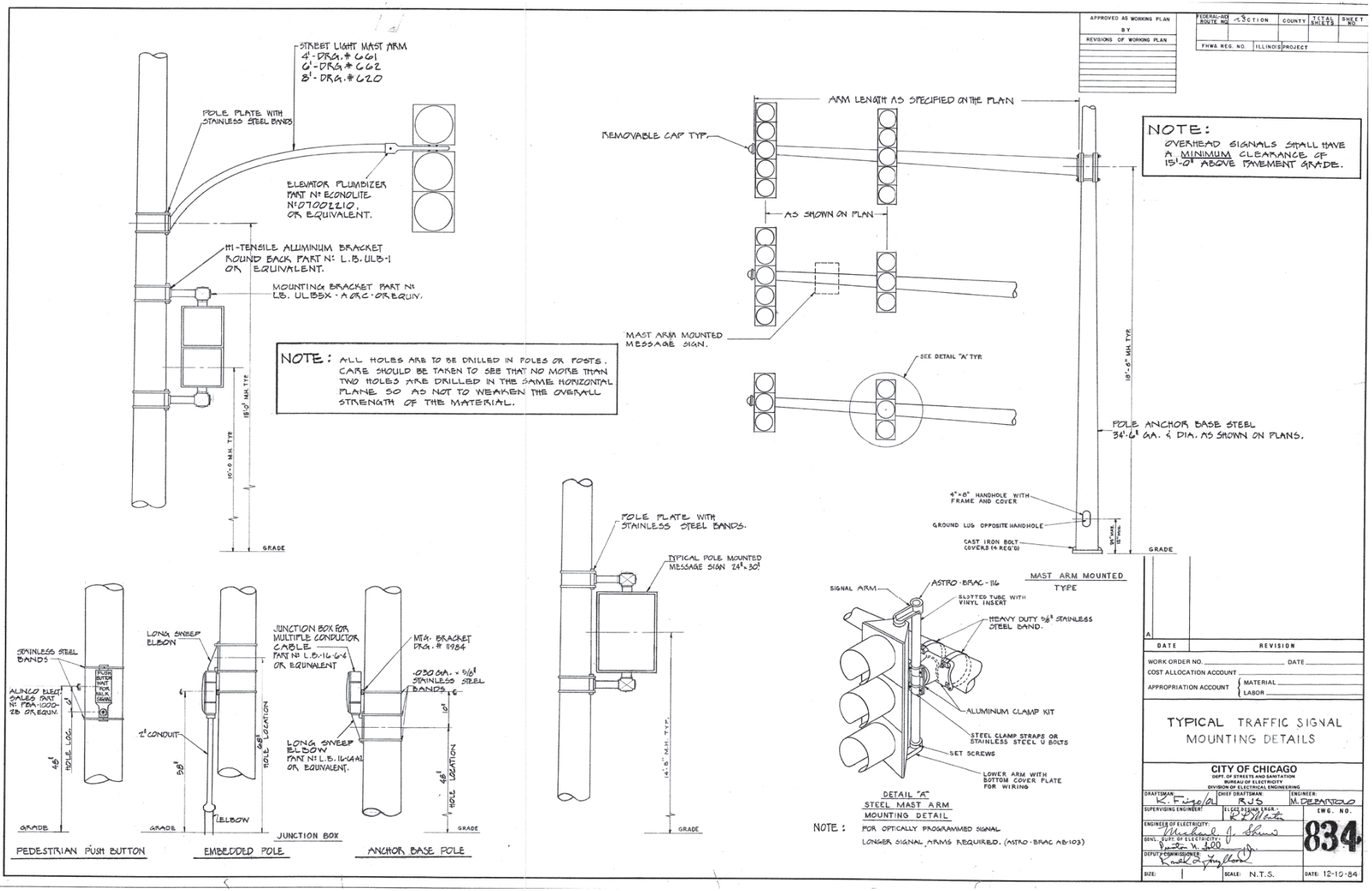
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS–10
DESIGNED:	
CHECKED:	
CCE #:	SHEET NO. 168 OF 207
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.lawrence-sawdenby.contractor@cityofchicago.org
File Name: J:\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-Jefferson-Details-TS.dgn
PLOT DATE = 8/11/2022



APPROVED AS WORKING PLAN
BY
REVISIONS OF WORKING PLAN

FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FHWA REG. NO.	ILLINOIS PROJECT			

NO.	BY	DATE	DESCRIPTION

REVISIONS

DATE	REVISION

WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: K.F. 12/6/01	CHIEF DRAFTSMAN: R.J.S.	ENGINEER: M. DEBARTOLO
SUPERVISING ENGINEER:	ELECT. ENGRG. ENGR.: R.J. Martin	DWG. NO. 834
ENGINEER OF ELECTRICITY: Michael J. Sheridan		
GENL. SUPT. OF ELECTRICITY: Austin N. Lee		
DEPUTY COMMISSIONER: Randal L. Taylor		
SIZE:	SCALE: N.T.S.	DATE: 12-10-84

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

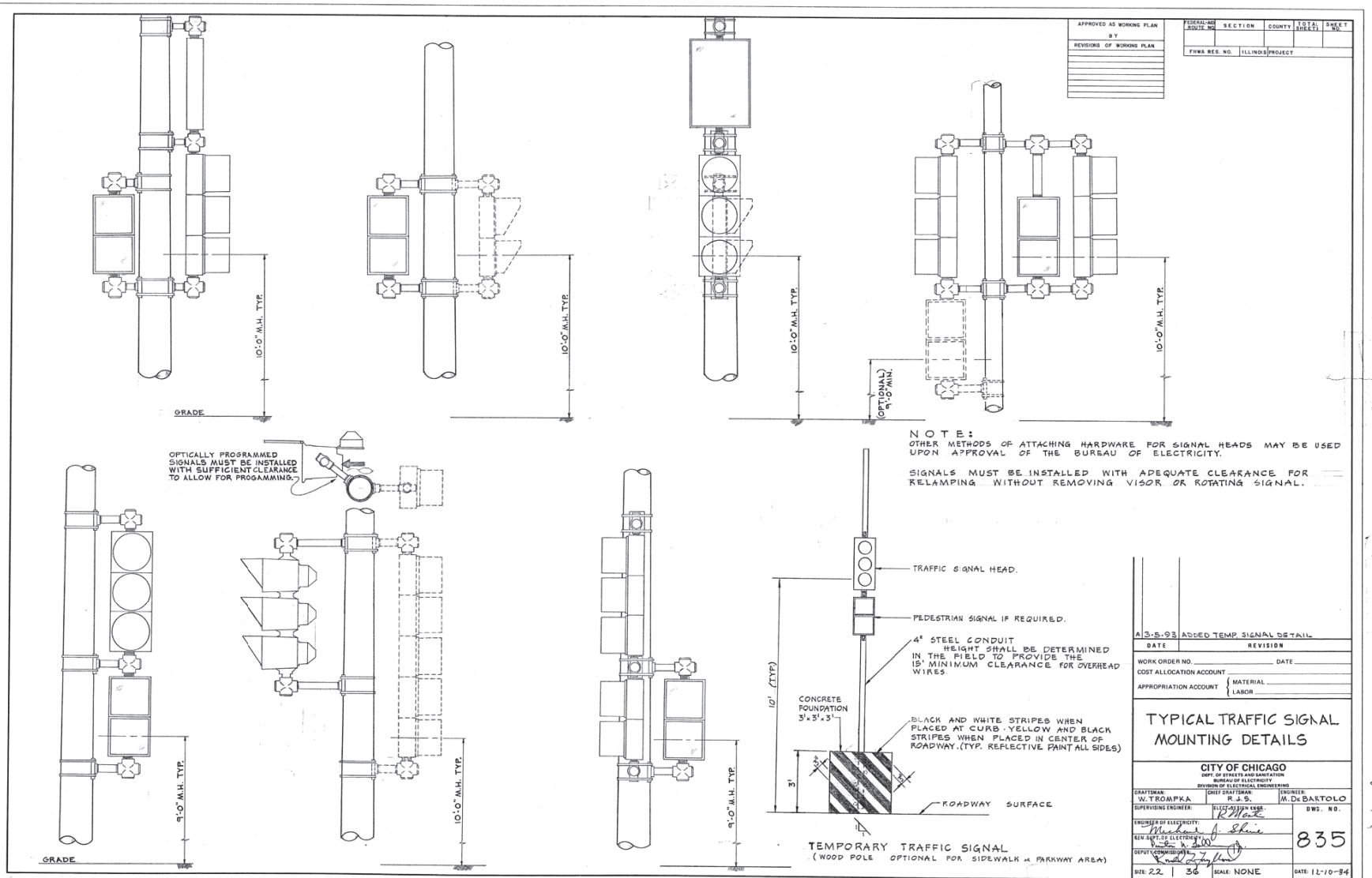
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS–11
DESIGNED:	
CHECKED:	SHEET NO. 169 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022 by Lawrence Sandoval on c:\benesch-sandovall-cw\Documents\10810\s10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-sh-Residential-Details.dgn
PLOT DATE = 8/11/2022



NOTE:
OTHER METHODS OF ATTACHING HARDWARE FOR SIGNAL HEADS MAY BE USED UPON APPROVAL OF THE BUREAU OF ELECTRICITY.

SIGNALS MUST BE INSTALLED WITH ADEQUATE CLEARANCE FOR RELAMPING WITHOUT REMOVING VISOR OR ROTATING SIGNAL.

APPROVED AS WORKING PLAN
BY
REVISIONS OF WORKING PLAN

FEDERAL-AID ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FHWA REG. NO.	ILLINOIS PROJECT			

NO.	BY	DATE	DESCRIPTION
A		3-5-93	ADDED TEMP. SIGNAL DETAIL

REVISIONS

DATE REVISION

WORK ORDER NO. _____ DATE _____
COST ALLOCATION ACCOUNT _____
APPROPRIATION ACCOUNT { MATERIAL _____ LABOR _____

TYPICAL TRAFFIC SIGNAL MOUNTING DETAILS

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN:	CHIEF DRAFTSMAN:	ENGINEER:
W. TROMPKA	R.J.S.	M. DeBARTOLO

SUPERVISING ENGINEER: ELECTRICIAN ENGR. R.M. Clark
ENGINEER OF ELECTRICITY: M. DeBartolo J. Shine
GEN. SUPT. OF ELECTRICITY: Walter K. Dahl
DEPUTY COMMISSIONER: Donald J. Singleton
DWG. NO. 835
SIZE: 22 | 36 SCALE: NONE DATE: 12-10-84

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

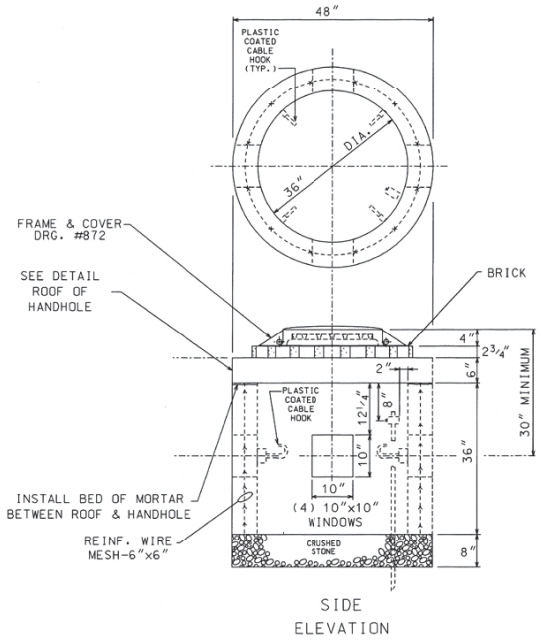
TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS–12
DESIGNED:	
CHECKED:	SHEET NO. 170 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: brandon.johnson@cdotbenesch.com
File Name: C:\Users\brandon.johnson-cdotbenesch\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-TrfcSignalDetails-TS-12.dgn
PLOT DATE = 8/11/2022

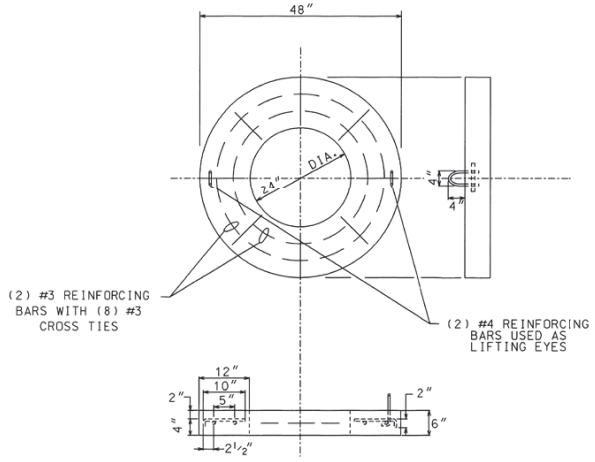
TOP VIEW
FRAME, COVER & TOP
OF HANDHOLE REMOVED



SIDE
ELEVATION

COMPLETE COMMODITY CODE NO. 05-6610-5310M			
CODE NO.	MATERIALS	SIZE	QUAN.
(1) 05-6610-5312	PRE-CAST HANDHOLE	36″ X 36″	
(2) 05-6610-5312	PRE-CAST ROOF	SEE DETAIL	1
05-9075-5470	STONE ¾″ CRUSHED SCREENINGS	BAG	5
05-1452-9720	BRICK		24
02-4299-5524	FRAME, MANHOLE	24″	1
02-4574-5624	COVER, MANHOLE	24″	1
09-7796-9312	GROUND ROD	¾″ ×12′	1
09-2636-3240	GROUND CLAMP		1
(3) 05-5082-5330	SONO TUBE	36″	1
(3) 05-5082-5342	SONO TUBE	48″	1
(3) 05-3267-2940	CONC. REDI-MIX	CU. YD.	¾
(3) 20-5472-9630	REINFORCING BAR	#3 (⅜″)	20′
(3) 20-5472-9630	REINFORCING BAR	#3 (⅜″)	8′
(3) 20-5472-9640	REINFORCING BAR	#4 (½″)	4′
(3) 57-0770-0000	(MESH (6″ X6″)	36″ X 11′	1

(1) PRE-CAST HANDHOLE SHALL INCLUDE CABLE HOOKS AND CONDUIT KNOCK-OUTS.
(2) PRE-CAST ROOF SHALL INCLUDE LIFTING EYES.
(3) THESE ITEMS ARE FOR POURED-IN-PLACE HANDHOLES ONLY.



DETAIL-ROOF OF HANDHOLE

CONSTRUCTION NOTES:

1 – 8″ BED OF STONE FOR DRAINAGE.

2 – ALL METALLIC CONDUIT(S) ENTERING HANDHOLE SHALL EXTEND MIN. 1″ & MAX. OF 3″ INSIDE INNER WALL & BE EQUIPPED WITH AN APPROVED TYPE THREADED GROUNDING BUSHING.

NO.	DATE	REVISION	
B	01-23-00	ADDED CABLE HOOKS PER COMMISSIONER MURPHY	(RC/RD)
A		REDRAW (CAD.)	MP.

36″ DIA. HEAVY DUTY CONCRETE HANDHOLE WITH 24″ FRAME & COVER

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: M. PATTON	CHIEF DRAFTSMAN: B. CARTER	ENGINEER: W. TROMPKA M. DEBARTOLO
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.		DWG. NO. 866
ENGINEER OF ELECTRICITY:		
GEN'L. SUPT. OF ELECTRICITY:		
DEPUTY COMMISSIONER:		
SIZE: 17″ | 22″	SCALE: NONE	DATE: 1-12-96

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

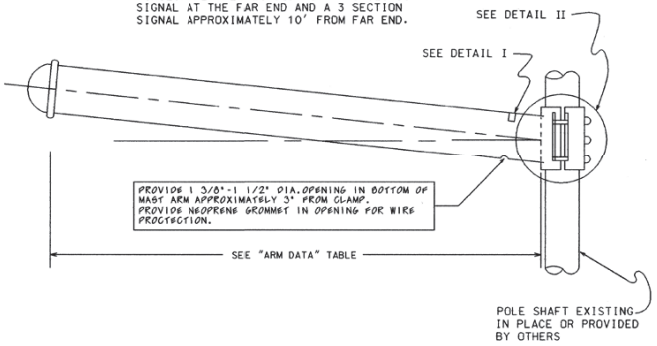
TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS–13
DESIGNED:	
CHECKED:	
CCE #:	SHEET NO. 171 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

PLOT DATE = 8/11/2022

PROVIDE SUFFICIENT MAST ARM RISE (3' MIN.) SO THAT MAST ARM REMAINS SLIGHTLY ABOVE HORIZONTAL WHEN LOADED WITH A 5 SECTION SIGNAL AT THE FAR END AND A 3 SECTION SIGNAL APPROXIMATELY 10' FROM FAR END.

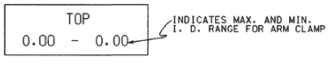


ARM DATA

CLAMP RANGE (INCHES)	POLE END (INCHES)	SIGNAL END (INCHES)	LENGTH (FEET)	GAUGE	WEIGHT (POUNDS)	TEST LOAD (POUNDS)	MAX. DEFLECTION (INCHES)
7.45-7.95	7.0	4.76	16	7	241	1700	6.5
7.45-7.95	7.0	4.20	20	7	274	1300	12.0
7.45-7.95	7.0	3.36	26	7	315	1000	24.0
8.45-8.95	8.0	3.80	30	7	409	1100	29.0
9.95-10.45	9.0	4.10	35	7	529	1200	36.0
9.95-10.45	9.0	3.40	40	7	559	1000	52.0
9.95-10.45	10.0	3.84	44	7		1200	57.0

NOTES:

1. TRAFFIC SIGNAL ARM SHAFT ASTM DESIGNATION: A595 GRADE C, 60,000 PSI MINIMUM YIELD STRENGH WITH A LINEAR TAPER -0.14"/FT.
2. TRAFFIC SIGNAL ARM END CAP SECURED IN PLACE WITH 3 SET SCREWS AND 1 THRU ARM END BOLT. (PLATED HARDWARE)
3. ALL THREADED FASTENERS TO BE GALVANIZED TO ASTM DESINATION: A153
4. ALL VEHICULAR AND/OR PEDESTRIAN SIGNAL LIGHTS AND NECESSARY HARDWARE FOR ATTACHMENT TO BE FIELD LOCATED AND FURNISHED BY OTHERS.
5. ALL ARM END CAPS AND ARM CLAMPS TO BE FULLY ASSEMBLED AND ATTACHED TO THE ARM PRIOR TO SHIPPING.
6. ARM ASSEMBLY TO BE DEGREASED; CLEANED; CHEMICALLY PRETREATED; GIVEN AN EXTERIOR THERMOSETTING POLYESTER POWDER COAT; AND AN INTERIOR THERMOPLASTIC HYDROCARBON RESIN POWDER COAT. ALL PAINTING TO BE IN ACCORDANCE WITH SPECIFICATION 1454, SECTION 8, "PAINTING".
7. MAST ARM SHALL BE TESTED IN ACCORDANCE WITH SPECIFICATION 1454, SECTION 9 WITH TEST VALUES AS SHOWN ON THE "ARM DATA" TABLE.
8. HOLE IN CLAMP TO BE 4.0" (MIN.). HOLE TO BE GROUND SMOOTH AND DEBURRED TO PROVIDE A SMOOTH WIRE ENTRY FROM POLE TO MAST ARM.

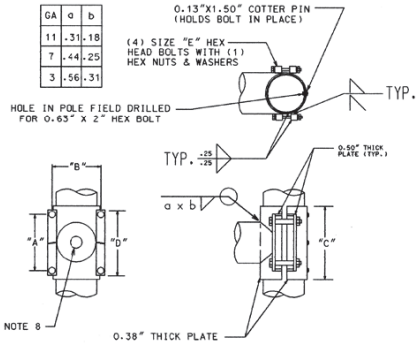


I. D. TAG TO BE MOUNTED ON THE TOP OF THE POLE AS INDICATED. USING 2 "GRIP-NAIL" FASTENERS.

DETAIL I

I. D. TAG

GA	a	b
11	.31	.18
7	.44	.25
3	.56	.31



DETAIL II

ARM ATTACHMENT

SIGNAL ARM ATTACHMENT DATA

CLAMP RANGE	"A"	"B"	"C"	"D"	"E"
7.45" - 7.95"	7.25"	9.92"	10.80"	10.32"	1.00" X 7.50"
8.45" - 8.95"	9.00"	10.66"	13.06"	12.50"	1.00" X 8.00"
9.95" - 10.45"	10.25"	12.66"	15.30"	13.50"	1.25" X 8.50"

NO.	BY	DATE	DESCRIPTION
B		10-29-02	REFERENCES SPEC. 1454
A		8-6-93	WIRE OPENING ON MAST ARM

REVISIONS

SUPERSEDES DWG. DATED DEC. 1991

STEEL TRAFFIC SIGNAL MAST ARM-MONOTUBE

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: R. IVY
CHIEF DRAFTSMAN: ROBERT CARTER
ENGINEERS: RON POOL
SUPERVISING ENGINEER
ENGINEER OF TRAFFIC SIGNALS AND LIGHTING
GEN'L SUPT. OF ELECTRICITY
DEPUTY COMMISSIONER
870
SIZE: 15" 22" SCALE: 3/4" DATE: DEC. 1991

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

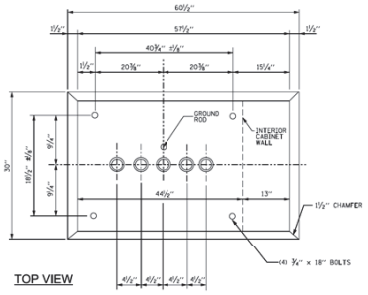
TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

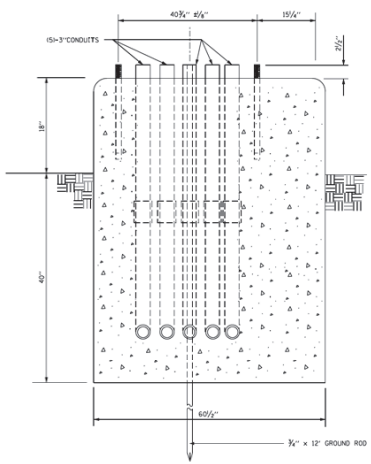
DATE: 08-12-2022	DRAWING NO. TS-14
DESIGNED:	
CHECKED:	
CCE #:	SHEET NO. 172 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: brianmurphy.benesch@outlook.com
File: C:\Users\brianmurphy.benesch\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-Pkg-Details-Section 1\ABC-10812-S1-Pkg-Details-Section 1-TS-14.dgn
PLOT DATE = 8/11/2022

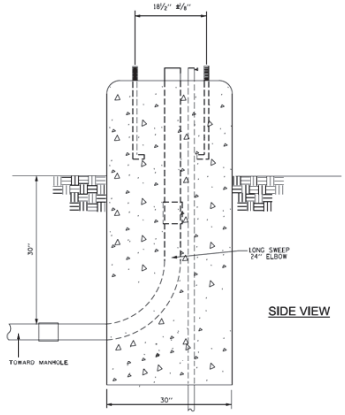
DIMENSIONS FOR LOCATIONS OF ANCHOR BOLTS TO BE STRICTLY ADHERED TO.



TOP VIEW



FRONT VIEW



SIDE VIEW

TYPE SUPER "2" FOUNDATION

FOR BASE MOUNTED
TRAFFIC SIGNAL CONTROL CABINET

SUPERSEDES DWG. # 888 DATED 9-23-1993

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

REV	DATE	DESCRIPTION
D	2-28-22	CORRECTED GROUND ROD LENGTH
C	10-09-20	ADJUSTED ANCHOR ROD SPACING
B	6-10-05	LENGTH OF BASE TO 60 ½"
A	5-24-96	BOLT DIMENSIONS FOR P-38 & P-44 CABINETS

DRAFTSMAN: A. MAROTTA
ENGINEER: J. VONDRA
ENGINEER OF ELECTRICITY: J. ZHANG
DEPUTY COMMISSIONER:
SIZE: 16" | 21" SCALE: NONE DATE: 1/28/21

DWG. NO. **888A**

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

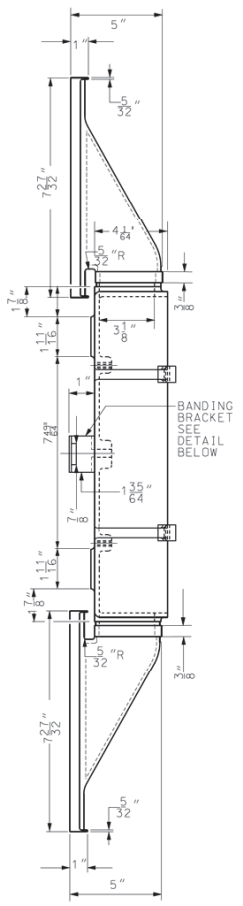
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

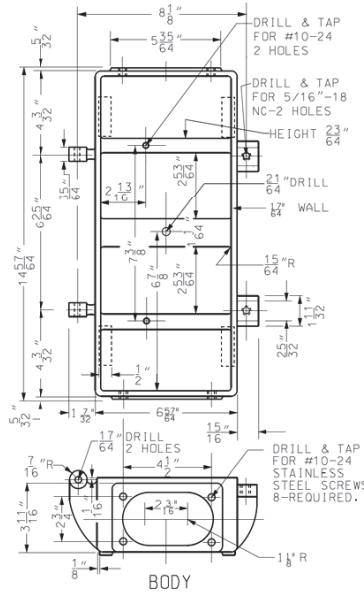
TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

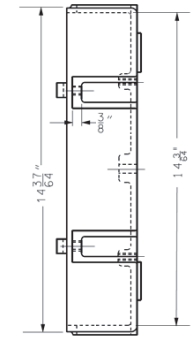
DATE: 08-12-2022	DRAWING NO. **TS–15**
DESIGNED:	
CHECKED:	SHEET NO. 173 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. B-4-170	CONTRACT NO. 100274

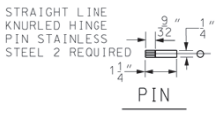
Plot By: Brian Lorenz - wsdlandby.com\benesch-sys01\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-ts15-details-1b.dgn
PLOT DATE = 8/11/2022





BODY





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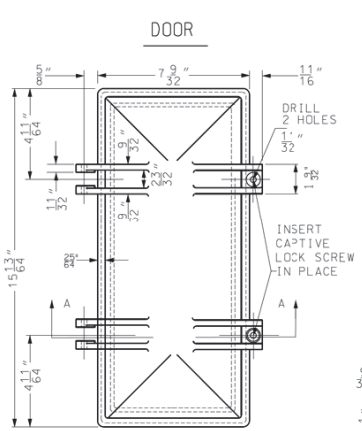
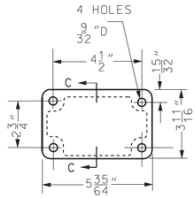
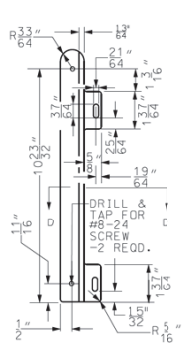
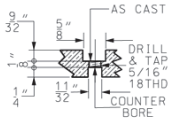




TOP PLATE



TERMINAL "Z" BRACKET



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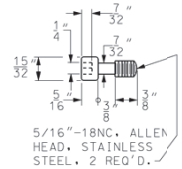
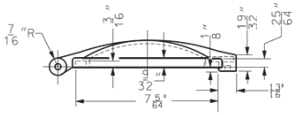
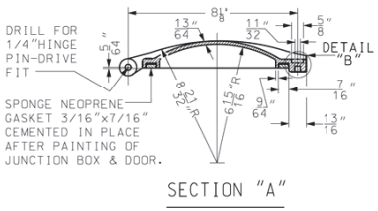
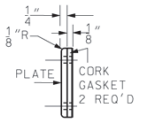


LOCK SCREW





SECTION "A"



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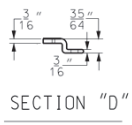
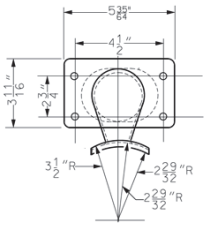
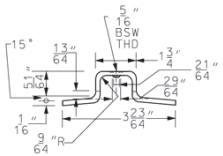


SECTION "D"



ELBOW



BANDING BRACKET

MATERIALS

BODY, DOOR, ELBOW & PLATE: CAST ALUMINUM ALLOY. TERMINAL MTG. BRACKET: ALUMINUM ALLOY.
SCREWS, HINGE PINS, BANDING BRACKET: STAINLESS STEEL.
CORK GASKET 1/8" THICK. TO BE FURNISHED BETWEEN FLAT PLATE AND BODY
SPONGE NEOPRENE GASKET 14 5/64" x 7 5/64" x 7/16", TO BE FURNISHED BETWEEN DOOR AND BODY

NO.	BY	DATE	DESCRIPTION
A		07/24/15	ELBOW ON TOP OF BOX ADDED.

DATE | REVISION

SUPERSEDES DWG. # 832 DATED 5-1-85

JUNCTION BOX
FOR
TRAFFIC SIGNAL & FIRE ALARM

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: O. LETAMENDI	CHIEF DRAFTSMAN: R.C.	ENGINEER: O. LETAMENDI
SUPERVISING ENGINEER:	ELEC. DESIGN ENGR.	DWG. NO. 954
ENGINEER OF ELECTRICITY:		
GEN'L SUPT. OF ELECTRICITY:		
COMMISSIONER: Brian S. Murphy		
SIZE:	SCALE: NONE	DATE: 5-3-02

DATE: 7/24/2015
FILE: N:\Specifications\MISC\New Drawings\954_07242015.dgn

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-4450 Job No. 10812 S1

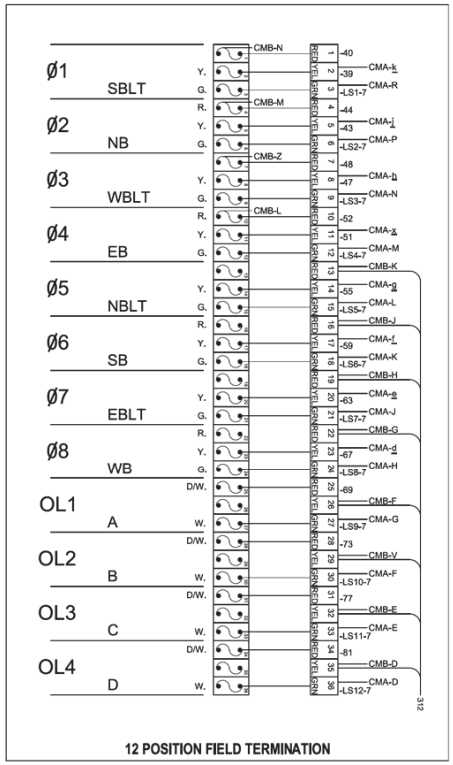
S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS

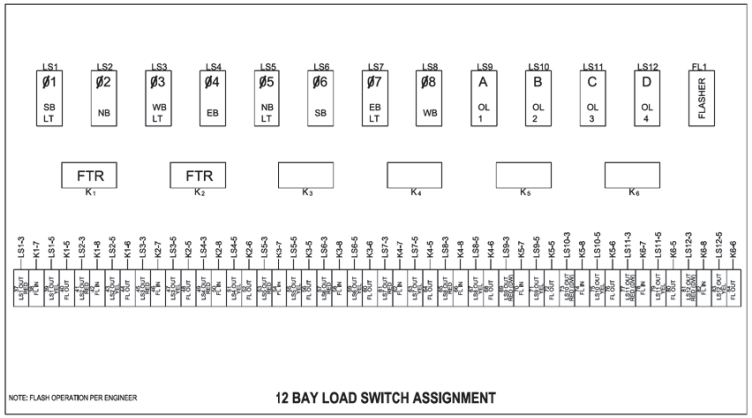
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS–16
DESIGNED:	
CHECKED:	
CCE #:	SHEET NO. 174 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

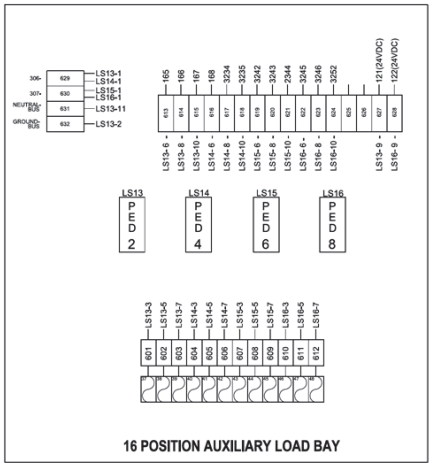
PLOT DATE = 8/11/2022



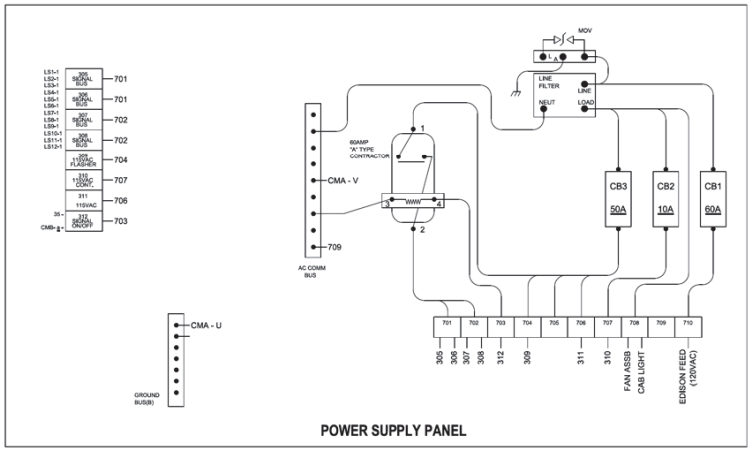
12 POSITION FIELD TERMINATION



12 BAY LOAD SWITCH ASSIGNMENT



16 POSITION AUXILIARY LOAD BAY



POWER SUPPLY PANEL

REV	DATE	DESCRIPTION
A		

LOAD SWITCH AND CONFLICT ASSIGNMENT TYPICAL 8-PHASE INTERSECTION

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF ENGINEERING

DRAFTSMAN:	A. MAROTTA	DWG NO.
ENGINEER:	J. VONDRA	962
ENGINEER OF ELECTRICITY:	J. ZHANG	
DEPUTY COMMISSIONER:		
SIZE: 22" | 34"	SCALE: NONE	DATE: 12/8/2021

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

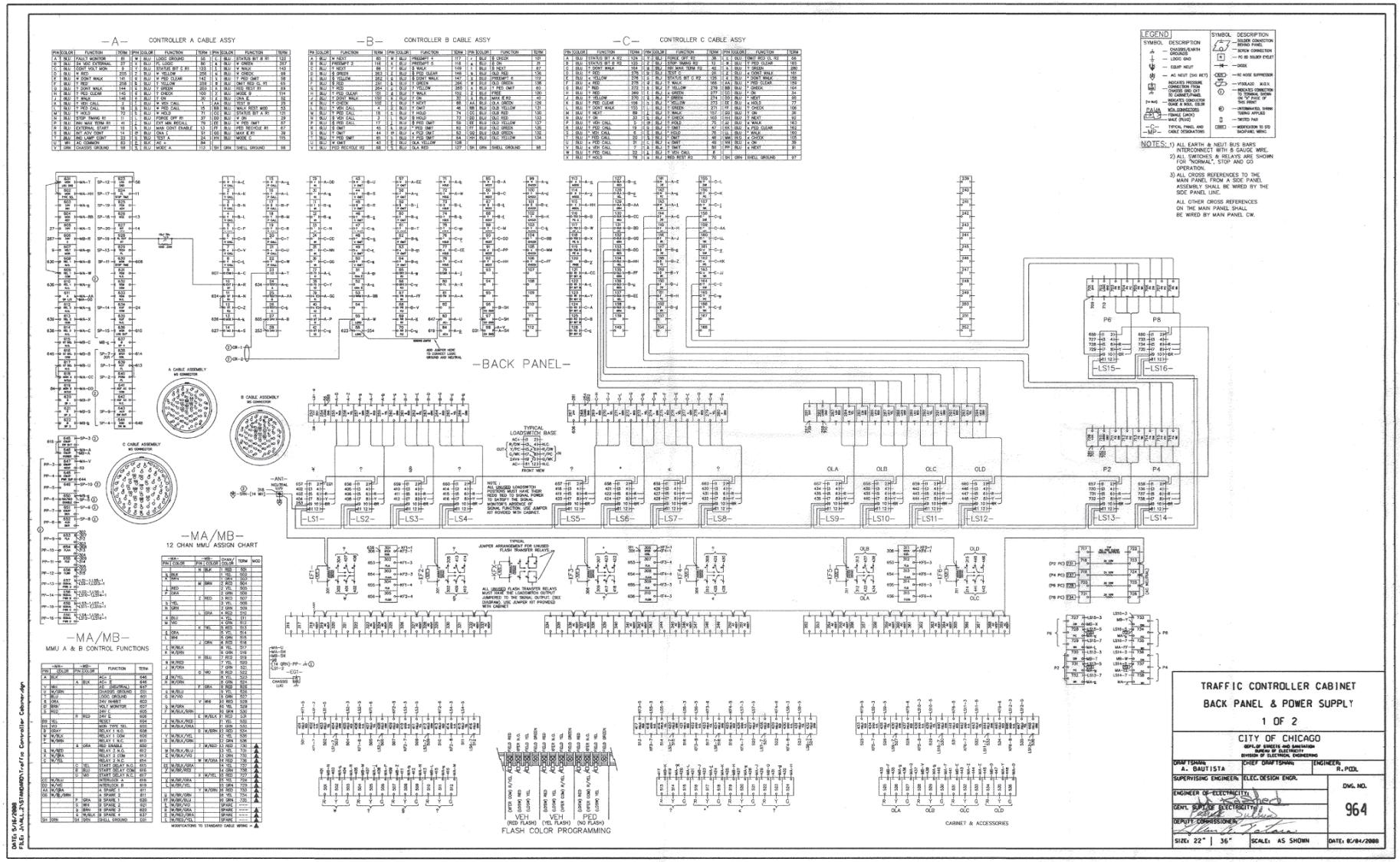
TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS–17
DESIGNED:	
CHECKED:	SHEET NO. 175 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

DATE PLOTTED: 25/2021
FILE NAME: N:\PROJ\10812\02\23\1.00\00\02\23\1.07\06-New Specs & Standards\962-Load Switch and Conflict Assignment\CAD\00962-Load Switch and Conflict Assignment.dgn

PLOT DATE = 8/11/2022



NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch

Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS

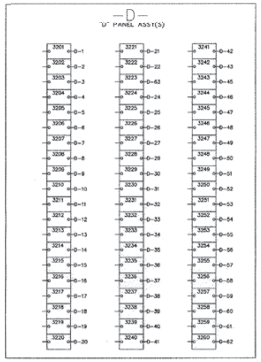
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

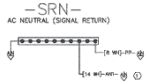
DATE: 08-12-2022	DRAWING NO.
DESIGNED:	TS-18
CHECKED:	
CCE #:	SHEET NO.
SCALE: NTS	176 OF 207
PROJECT NO. B-4-170	CONTRACT NO. 100274

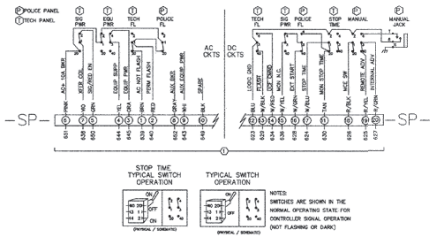
PLOT DATE - 8/11/2022

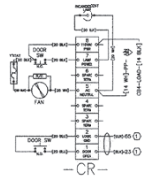
"D" CABLE ASSY(S)

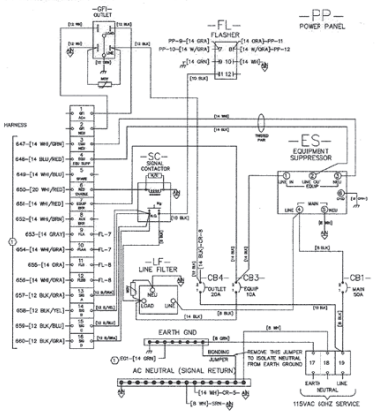
PIN	WIRE	WIRE	FUNCTION	TERM
1	D–1	BROWN	FLASH MONITOR 1	3201
2	D–2	RED	CYCLE 5	3202
3	D–3	ORANGE	PE #1 CLEAR	3203
4	D–4	YELLOW	PE #3 CLEAR	3204
5	D–5	BLUE	FLASH MONITOR 2	3205
6	D–6	VIOLET	SPARE INPUT 7	3206
7	D–7	GRAY	SYSTEM INPUT	3207
8	D–8	WH/BLK	A2 RES	3208
9	D–9	WH/BRN	PE #2 CLEAR	3209
10	D–10	WH/RED	UD 6 INPUT	3210
11	D–11	WH/ORA	CALL TO WEEK 10	3211
12	D–12	WH/YEL	SIGNAL PLAN 6	3212
13	D–13	WH/GRN	SIGNAL PLAN 7	3213
14	D–14	WH/BLUE	SIGNAL PLAN 8	3214
15	D–15	WH/VIO	ACTUATION 5	3215
16	D–16	WH/GRAY	ACTUATION 6	3216
17	D–17	WH/BLK/BRN	ACTUATION 7	3217
18	D–18	WH/BLK/RED	SPARE INPUT 4	3218
19	D–19	WH/BLK/ORA	UD 7 INPUT	3219
20	D–20	WH/BLK/YEL	ACTUATION 8	3220
21	D–21	WH/BLK/GRN	ACTUATION 9	3221
22	D–22	WH/BLK/BLUE	ACTUATION 10	3222
23	D–23	WH/BLK/VIO	SPARE INPUT 5	------
24	D–24	WH/BLK/GRAY	UD 8 INPUT	3224
25	D–25	WH/BRN/RED	SYSTEM (CKT 13)	3225
26	D–26	WH/BRN/ORA	FLASH ATTAINED	3226
27	D–27	WH/BRN/YEL	PE ACTIVE	3227
28			POLARIZING KEY	------
29	D–29	WH/BRN/GRN	SYSTEM OUT	3228
30	D–30	WH/BRN/BLUE	PE 3 INPUT	3229
31	D–31	WH/BRN/VIO	PE 4 INPUT	3230
32	D–32	WH/BRN/GRAY	SPARE INPUT 6	3231
33	D–33	WH/RED/ORA	SIGNAL PLAN 5 INPUT	3232
34	D–34	WH/RED/YEL	CALL TO FREE OP	3233
35	D–35	WH/RED/GRN	OUTPUT 41	3234
36	D–36	WH/RED/BLUE	OUTPUT 42	3235
37	D–37	WH/RED/BIO	INTERCONNECT INHIBIT	3236
38	D–38	WH/RED/GRAY	SPARE INPUT 5	3237
39	D–39	WH/ORA/YEL	SYNC INHIBIT	3238
40	D–40	WH/ORA/GRN	DIMMING	3239
41	D–41	WH/ORA/BLUE	ADDED TIME INHIBIT	3240
42	D–42	WH/ORA/VIO	TIME CLOCK SYNC	3241
43	D–43	WH/ORA/GRAY	OUTPUT 43	3242
44			POLARIZING KEY	------
45	D–45	WH/YEL/GRN	OUTPUT 44	3243
46	D–46	WH/YEL/BLUE	OUTPUT 45	3244
47	D–47	WH/YEL/VIO	OUTPUT 46	3245
48	D–48	WH/YEL/GRAY	OUTPUT 47	3246
49	D–49	WH/GRN/BLUE	SIGNAL PLAN 4	3247
50	D–50	WH/GRN/VIO	AUX 1 (CKT 9)	3248
51	D–51	WH/GRN/GRAY	AUX 2 (CKT 10)	3249
52	D–52	WH/BLUE/VIO	AUX 3 (CKT 11)	3250
53	D–53	WH/BLUE/GRAY	AUX 4 (CKT 12)	3251
54	D–54	WH/VIO/GRAY	GURNT 48 (FAST FLASH ENABLE)	3252
55	D–55	WH/BLK/BRN/RED	FLASH OUT (CKT 8)	3253
56	D–56	WH/BLK/BRN/ORA	OFFSET 1 (CKT 3)	3254
57	D–57	WH/BLK/BRN/YEL	OFFSET 2 (CKT 4)	3255
58	D–58	WH/BLK/BRN/GRN	OFFSET 3 (CKT 5)	3256
59	D–59	WH/BLK/BRN/BLUE	CYCLE 3 (CKT 1)	3257
60	D–60	WH/BLK/BRN/VIO	CYCLE 3 (CKT 2)	3258
61	D–61	BLACK	SPLIT 2 (CKT 6)	3259
62	D–62	WHITE	SPLIT 3 (CKT 7)	3260
63	D–63	GREEN	FAST FL IMAGE (OUT)	3223











TRAFFIC CONTROLLER CABINET
BACK PANEL & POWER SUPPLY
2 OF 2

CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
BUREAU OF ELECTRICITY
DIVISION OF ELECTRICAL ENGINEERING

DRAFTSMAN: A. BAUTISTA	CHIEF DRAFTSMAN: ENGINEER: R.POOL
SUPERVISING ENGINEER: ELEC. DESIGN ENGR.	DWG. NO. 965
ENGINEER OF ELECTRICITY:	
GEN'L SUPT. OF ELECTRICITY:	
DEPUTY COMMISSIONER:	
SIZE: 22" | 36"	SCALE: AS SHOWN
DATE: 03/04/2008	

NO.	BY	DATE	DESCRIPTION
REVISIONS			

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

TRAFFIC SIGNAL DETAILS

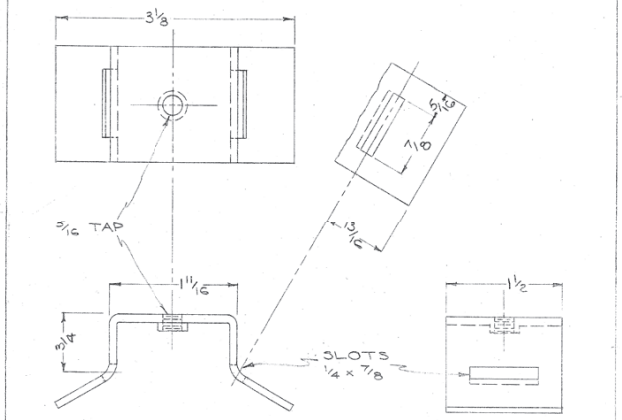
CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS–19
DESIGNED:	
CHECKED:	
CCE #:	SHEET NO. 177 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

DATE: 5/16/2008
FILE: J:\ALL FILES\STANDARD\Traffic Controller Cabinet.dgn

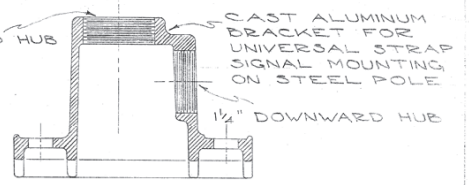
Plotted: 8/11/2022
J:\Projects\Benesch-snohendley.com\benesch-snowden\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-Intersection-Details-1-4.dgn
PLOT DATE = 8/11/2022

BANDING FITTING FOR POLE MOUNTING JUNCTION BOX



MATERIAL: STAINLESS STEEL - 4 13/16 x 1 1/2 x 3/32

BANDING FITTING FOR POLE MOUNTING SIGNALS



MATERIAL: CAST ALUMINUM

CROUSE HINDS
TL-3301 - WITHOUT DOWNWARD HUB
TL-3302 WITH 1/4" DOWNWARD HUB

BANDING FITTINGS FOR POLE MOUNTING TRAFFIC SIGNAL
CITY OF CHICAGO
DEPT. OF STREETS AND SANITATION
DIVISION OF ELECTRICAL ENGINEERING
S. NE T T I
ENGINEER OF TRAFFIC
11984
DEPUTY COMM.

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. **TS–20**
DESIGNED:	
CHECKED:	
CCE #:	SHEET NO. 178 OF 207
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: lawrence.clarence-smith@kimley-horn.com
File Name: C:\Users\lawrence-smith\kimley-horn.com\benesch-sp\vdi\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-sh1-Pole-Details-1-5.dgn
PLOT DATE = 8/11/2022

• 7 CONDUCTOR - 7 POINT STRIP •

7	COMMON WHITE	
6	WHITE BLK. TR.	E & W RED
5	BLACK - SOLID	" AMBER
4	BLUE - "	" GREEN
3	RED - "	N & S RED
2	ORANGE - "	" AMBER
1	GREEN "	" GREEN

• 14 CONDUCTOR - 10 POINT STRIP •

10	COMMON WHITE
9	RED WHITE TRACER
8	ORANGE " "
7	GREEN " "
6	RED BLACK TRACER
5	ORANGE " "
4	GREEN " "
3	RED - SOLID
2	ORANGE - SOLID
1	GREEN - SOLID

GREEN BLUE TRACER
ORANGE " "
RED " "
BLACK - SOLID
} SPLICED & TAPED

• 22 CONDUCTOR - CODE •
• 19 C CODE - OMIT "19 - "21 & "22 •

1	WH	RED/BLACK TR. COMMON
2	WH	RED/GREEN TR. COMMON (SPARE)
3	R	BLACK TR. NO. BOUND
4	A	" " " "
5	G	" " " "
6	R	SOLIDS SO. BOUND
7	A	" " "
8	G	" " "
9	BK	" NEON OR ARROW
10	R	BLUE TR. EAST BOUND
11	A	" " "
12	G	" " " "
13	R	WHITE TR. WEST BOUND
14	A	" " " "
15	G	" " " "
16	BL	SOLID — SPECIAL
17	BL	AMBER TR — "
18	BL	WHITE TR — "
19	WH	RED TR — "
20	WH	SOLID — "
21	WH	BLACK TR — "
22	BK	WHITE TR — "

• 10 CONDUCTOR - 7 POINT STRIP •

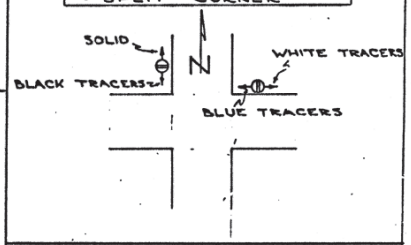
7	COMMON - WHITE	
6	RED BLK. TR.	E & W RED
5	ORANGE BLK. TR.	" AMBER
4	GREEN BLK. TR.	" GREEN
3	RED - SOLID	N & S RED
2	ORANGE - "	" AMBER
1	GREEN - "	" GREEN

SOLID BLUE
SOLID BLACK
BLUE BLK. TR
} SPLICED & TAPED

• 14 CONDUCTOR - 14 POINT STRIP •

14	COMMON WHITE
13	BLACK
12	RED - BLUE TRACER
11	ORANGE - " "
10	GREEN " "
9	RED - WHITE TRACER
8	ORANGE - " "
7	GREEN - " "
6	RED - BLACK TRACER
5	ORANGE - " "
4	GREEN - " "
3	SOLID RED
2	SOLID ORANGE
1	SOLID GREEN

• SPLIT CORNER •

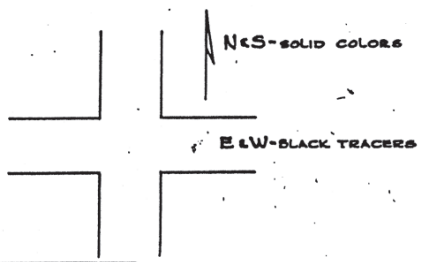


• 10 CONDUCTOR - 10 POINT STRIP •

10	COMMON - WHITE	
9	BLUE BLK. TRACER #	
8	BLACK - SOLID #	
7	BLUE - SOLID #	
6	RED BLK. TRACER	E & W RED
5	ORANGE BLK "	" AMBER
4	GREEN BLK. "	" GREEN
3	RED - SOLID	N & S RED
2	ORANGE - SOLID	" AMBER
1	GREEN - SOLID	" GREEN

- SOLID BLUE - GREEN LIGHT
- SOLID BLACK - AMBER "
- BLUE BLACK TR. RED "
} IF USED

• STRAIGHT CORNER •



NOTE:
CONDUCTORS FOR WALK SIGNALS & VARIOUS MESSAGE SIGNS AT DISCRETION OF INSTALLER

(30)

TRAFFIC CONTROL SIGNALS STRIP WIRING LAYOUT

REVISED	
A	5-4-61
B	11-10-64
C	
D	
E	
F	
G	

CITY OF CHICAGO
DEPT OF STREETS AND SANITATION
DIVISION OF ELECTRICAL OPERATION

DRAWN: H.E.S. | CHECKED: | ENGINEER: C.C. Buckley
DEG. NO.
SUPT. OF BUS. MAINT.
SUPERINTENDENT
COMMISSIONER
DATE 16"x21" | DATE 11-8-56

12268-A

5

NO.	BY	DATE	DESCRIPTION

REVISIONS

benesch
Alfred Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

S COMMERCIAL AVE IMPROVEMENTS SECTION 1

TRAFFIC SIGNAL DETAILS $C154

CITY OF CHICAGO
DEPARTMENT OF TRANSPORATION
DIVISION OF ENGINEERING

DATE: 08-12-2022	DRAWING NO. TS–21
DESIGNED:	
CHECKED:	SHEET NO. 179 OF 207
CCE #:	
SCALE: NTS	
PROJECT NO. 8-4-170	CONTRACT NO. 100274

Plotted: 8/11/2022
By: Lawrence.Lorenzo-Lanuevedo@cityofchicago.org
File Name: C:\Users\Lorenzo-Lanuevedo\Documents\10800s\10812.00\Eng_Docs\Signals\Details\Section 1\ABC-10812-S1-Schematic-Details-1.dgn
PLOT DATE = 8/11/2022

REINFORCEMENT BARS - ENGLISH (METRIC)

Bar Size English (metric)	Dia. in. mm	Cross-Sectional Area sq. in. (sq. mm)	Weight lbs./ft. kg/m	SPACING, in. (mm)											
				4 (100)	4½ (115)	5 (125)	5½ (140)	6 (150)	6½ (165)	7 (175)	7½ (190)	8 (200)	8½ (215)	9 (225)	10 (250)	11 (275)	12 (300)
				AREA OF STEEL PER FOOT (METER), sq. in. (sq. mm)													
3 (10)	0.375 (9.5)	0.110 (71)	0.376 (0.560)	0.330 (710)	0.293 (617)	0.264 (568)	0.240 (507)	0.220 (473)	0.203 (430)	0.189 (406)	0.176 (374)	0.165 (355)	0.155 (330)	0.147 (316)	0.132 (284)	0.120 (258)	0.110 (237)
4 (13)	0.500 (12.7)	0.196 (129)	0.668 (0.944)	0.588 (1290)	0.523 (1122)	0.470 (1032)	0.428 (921)	0.392 (860)	0.362 (782)	0.336 (737)	0.314 (679)	0.294 (645)	0.277 (600)	0.261 (573)	0.235 (516)	0.214 (469)	0.196 (430)
5 (16)	0.625 (15.9)	0.307 (199)	1.043 (1.552)	0.921 (1990)	0.819 (1730)	0.737 (1592)	0.670 (1421)	0.614 (1327)	0.567 (1206)	0.526 (1137)	0.491 (1047)	0.463 (995)	0.433 (926)	0.409 (884)	0.368 (796)	0.335 (724)	0.307 (663)
6 (19)	0.750 (19.1)	0.442 (284)	1.502 (2.235)	1.326 (2840)	1.179 (2470)	1.061 (2272)	0.964 (2029)	0.884 (1893)	0.816 (1721)	0.758 (1623)	0.707 (1495)	0.663 (1420)	0.624 (1321)	0.589 (1262)	0.530 (1130)	0.482 (1033)	0.442 (947)
7 (22)	0.875 (22.2)	0.601 (387)	2.044 (3.042)	1.803 (3870)	1.603 (3365)	1.442 (3096)	1.311 (2764)	1.202 (2580)	1.110 (2345)	1.030 (2211)	0.962 (2037)	0.902 (1935)	0.848 (1800)	0.801 (1720)	0.72 (1548)	0.656 (1407)	0.601 (1290)
8 (25)	1.000 (25.4)	0.785 (510)	2.670 (3.973)	2.355 (5100)	2.093 (4435)	1.884 (4080)	1.713 (3543)	1.570 (3400)	1.449 (3093)	1.346 (2914)	1.256 (2684)	1.178 (2550)	1.108 (2372)	1.047 (2267)	0.942 (2040)	0.856 (1855)	0.785 (1700)
9 (29)	1.128 (28.7)	1.000 (645)	3.400 (5.060)	3.000 (6450)	2.667 (5609)	2.400 (5160)	2.182 (4607)	2.000 (4300)	1.846 (3909)	1.714 (3686)	1.600 (3395)	1.500 (3225)	1.412 (3000)	1.333 (2867)	1.209 (2580)	1.091 (2345)	1.000 (2150)
10 (32)	1.270 (32.3)	1.267 (819)	4.303 (6.404)	3.801 (8190)	3.379 (7122)	3.041 (6552)	2.764 (5850)	2.534 (5460)	2.339 (4964)	2.173 (4680)	2.027 (4311)	1.901 (4095)	1.789 (3809)	1.689 (3640)	1.529 (3278)	1.382 (2978)	1.267 (2730)
11 (36)	1.410 (35.8)	1.561 (1006)	5.313 (7.907)	4.683 (10060)	4.163 (8748)	3.746 (8048)	3.406 (7186)	3.122 (6707)	2.882 (6097)	2.676 (5749)	2.498 (5295)	2.342 (5030)	2.204 (4679)	2.081 (4471)	1.87 (4024)	1.703 (3658)	1.561 (3353)

Illinois Department of Transportation

APPROVED _____ January 1, 2009
ENGINEER OF POLICY AND PROCEDURES

APPROVED _____ January 1, 2009
ENGINEER OF BUREAU OF ENVIRONMENT

LAST REVISED

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	Deleted metric table. Soft converted English table.

AREAS OF REINFORCEMENT BARS

STANDARD 001001-02

DECIMAL OF AN INCH AND OF A FOOT

A	B	A	B	A	B	A	B	A	B	A	B
0.0052	1/16	0.177875	2 3/16	0.2385	4 1/16	0.3052	8 1/16	0.671875	8 1/16	0.8385	10 1/16
0.0104	1/8	0.1771	2 1/8	0.34375	4 1/8	0.3104	8 1/8	0.6771	8 1/8	0.84375	10 1/8
0.015625	3/16	0.1823	2 3/16	0.3490	4 3/16	0.315625	8 3/16	0.6823	8 3/16	0.8490	10 3/16
0.0208	1/4	0.1875	2 1/4	0.3542	4 1/4	0.3208	8 1/4	0.6875	8 1/4	0.8542	10 1/4
0.0260	5/16	0.1927	2 5/16	0.359375	4 5/16	0.3260	8 5/16	0.6927	8 5/16	0.859375	10 5/16
0.03125	3/8	0.1979	2 3/8	0.3646	4 3/8	0.33125	8 3/8	0.6979	8 3/8	0.8646	10 3/8
0.0365	7/16	0.203125	2 7/16	0.3698	4 7/16	0.3365	8 7/16	0.703125	8 7/16	0.8698	10 7/16
0.0417	1/2	0.2083	2 1/2	0.3750	4 1/2	0.3417	8 1/2	0.7083	8 1/2	0.8750	10 1/2
0.046875	9/16	0.2135	2 9/16	0.3802	4 9/16	0.346875	8 9/16	0.7135	8 9/16	0.8802	10 9/16
0.0521	5/8	0.21875	2 5/8	0.3854	4 5/8	0.3521	8 5/8	0.71875	8 5/8	0.8854	10 5/8
0.0573	11/16	0.2240	2 11/16	0.390625	4 11/16	0.3573	8 11/16	0.7240	8 11/16	0.890625	10 11/16
0.0625	3/4	0.2292	2 3/4	0.3958	4 3/4	0.3625	8 3/4	0.7292	8 3/4	0.8958	10 3/4
0.0677	13/16	0.234375	2 15/16	0.4010	4 13/16	0.3677	8 13/16	0.734375	8 15/16	0.9010	10 13/16
0.0729	7/8	0.2396	2 7/8	0.40625	4 13/16	0.3729	8 7/8	0.7396	8 7/8	0.90625	10 13/16
0.078125	15/16	0.2448	2 15/16	0.4115	4 15/16	0.378125	8 15/16	0.7448	8 15/16	0.9115	10 15/16
0.0833	1	0.2500	3	0.4167	5	0.3833	9	0.7500	9	0.9167	11
0.0885	1 1/16	0.2552	3 1/16	0.421875	5 1/16	0.3885	9 1/16	0.7552	9 1/16	0.921875	11 1/16
0.09375	1 1/8	0.2604	3 1/8	0.4271	5 1/8	0.39375	9 1/8	0.7604	9 1/8	0.9271	11 1/8
0.0990	1 3/16	0.265625	3 3/16	0.4323	5 3/16	0.3990	9 3/16	0.765625	9 3/16	0.9323	11 3/16
0.1042	1 1/4	0.2708	3 1/4	0.4375	5 1/4	0.4042	9 1/4	0.7708	9 1/4	0.9375	11 1/4
0.109375	1 5/16	0.2760	3 5/16	0.4427	5 5/16	0.409375	9 5/16	0.7760	9 5/16	0.9427	11 5/16
0.1146	1 3/8	0.28125	3 3/8	0.4479	5 3/8	0.4146	9 3/8	0.78125	9 3/8	0.9479	11 3/8
0.1198	1 7/16	0.2865	3 7/16	0.453125	5 7/16	0.4198	9 7/16	0.7865	9 7/16	0.953125	11 7/16
0.1250	1 1/2	0.2917	3 1/2	0.4583	5 1/2	0.4250	9 1/2	0.7917	9 1/2	0.9583	11 1/2
0.1302	1 9/16	0.296875	3 9/16	0.4635	5 9/16	0.4302	9 9/16	0.796875	9 9/16	0.9635	11 9/16
0.1354	1 5/8	0.3021	3 5/8	0.46875	5 5/8	0.4354	9 5/8	0.8021	9 5/8	0.96875	11 5/8
0.140625	1 11/16	0.3073	3 11/16	0.4740	5 11/16	0.440625	9 11/16	0.8073	9 11/16	0.9740	11 11/16
0.1458	1 3/4	0.3125	3 3/4	0.4792	5 3/4	0.4458	9 3/4	0.8125	9 3/4	0.9792	11 3/4
0.1510	1 13/16	0.3177	3 13/16	0.484375	5 13/16	0.4510	9 13/16	0.8177	9 13/16	0.984375	11 13/16
0.15625	1 7/8	0.3229	3 7/8	0.4896	5 7/8	0.45625	9 7/8	0.8229	9 7/8	0.9896	11 7/8
0.1615	1 15/16	0.328125	3 15/16	0.4948	5 15/16	0.4615	9 15/16	0.828125	9 15/16	0.9948	11 15/16
0.1667	2	0.3333	4	0.5000	6	0.4667	10	0.8333	10	1.0000	12

A = Fractions of Inch or Foot

B = Inch Equivalents to Foot Fractions

Illinois Department of Transportation

APPROVED _____ January 1, 1997
ENGINEER OF POLICY AND PROCEDURES

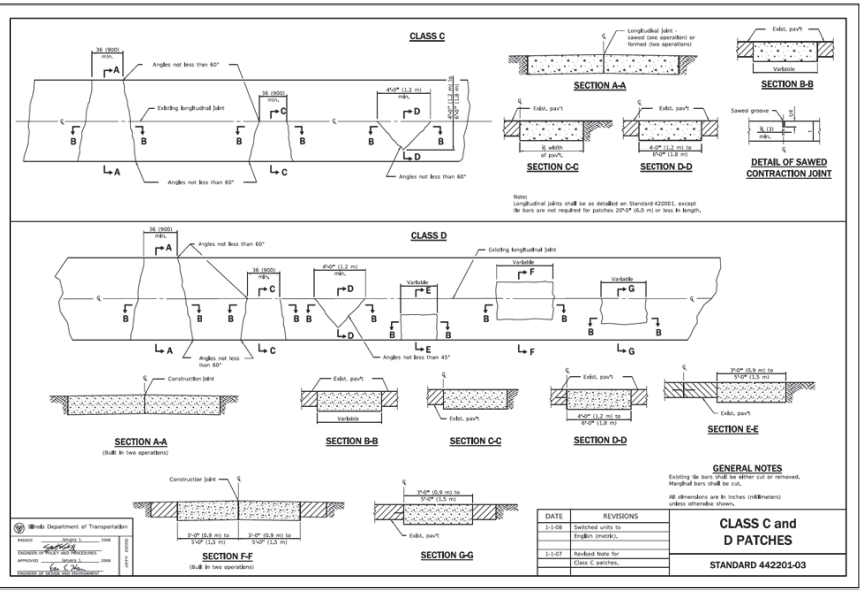
APPROVED _____ January 1, 1997
ENGINEER OF BUREAU OF ENVIRONMENT

LAST REVISED

DATE	REVISIONS
1-1-97	New Standard.

DECIMAL OF AN INCH AND OF A FOOT

STANDARD 001006



Notes:
Longitudinal joints shall be as detailed on Standard 420001, except tie bars are not required for patches 20'-0" (6.0 m) or less in length.

GENERAL NOTES

Existing tie bars shall be either cut or removed. Marginal bars shall be cut.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED _____ January 1, 2008
ENGINEER OF POLICY AND PROCEDURES

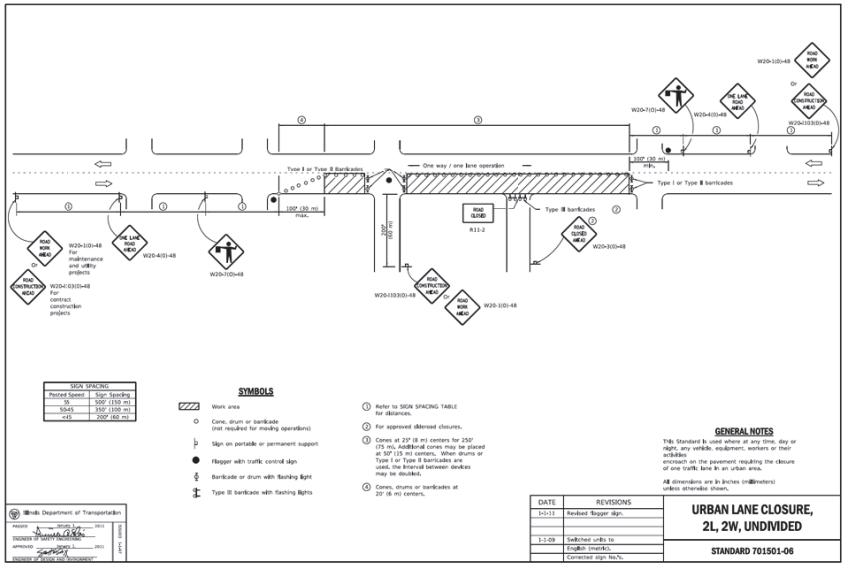
APPROVED _____ January 1, 2008
ENGINEER OF BUREAU OF ENVIRONMENT

LAST REVISED

DATE	REVISIONS
1-1-08	Switched units to English (metric).
1-1-07	Revised note for Class C patches.

CLASS C and D PATCHES

STANDARD 442201-03



GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement requiring the closure of one traffic lane in an urban area.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED _____ January 1, 2011
ENGINEER OF POLICY AND PROCEDURES

APPROVED _____ January 1, 2011
ENGINEER OF BUREAU OF ENVIRONMENT

LAST REVISED

DATE	REVISIONS
1-1-11	Revised flagger sign.
1-1-09	Switched units to English (metric). Corrected sign No's.

URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED

STANDARD 701501-06

MODEL: Default
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DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

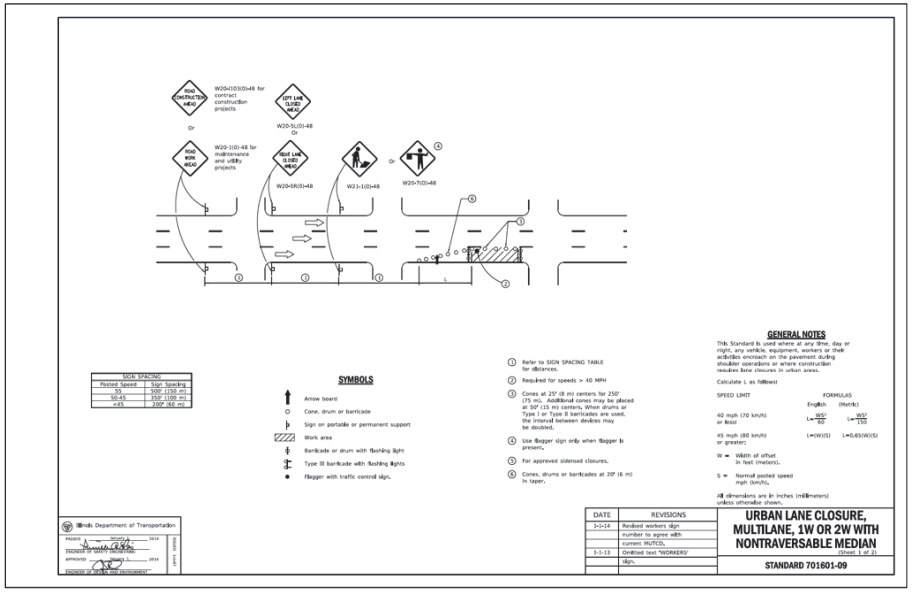
S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

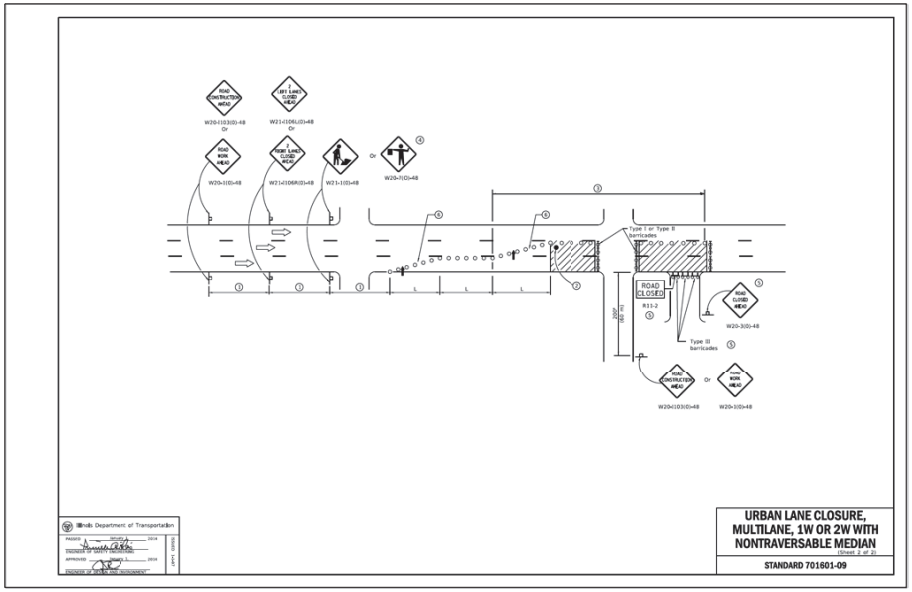
IDOT HIGHWAY STANDARD DETAILS

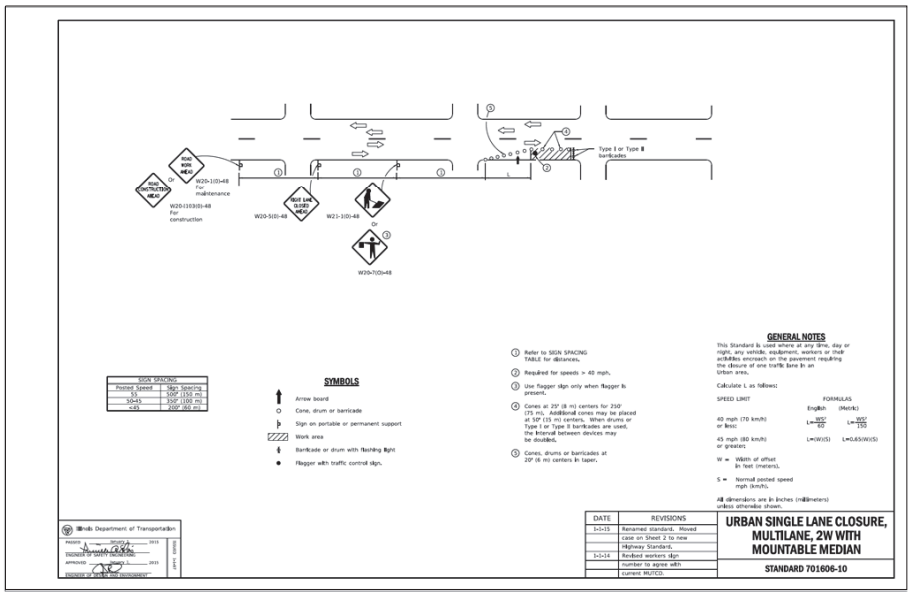
SCALE: NTS | SHEET STD-1 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

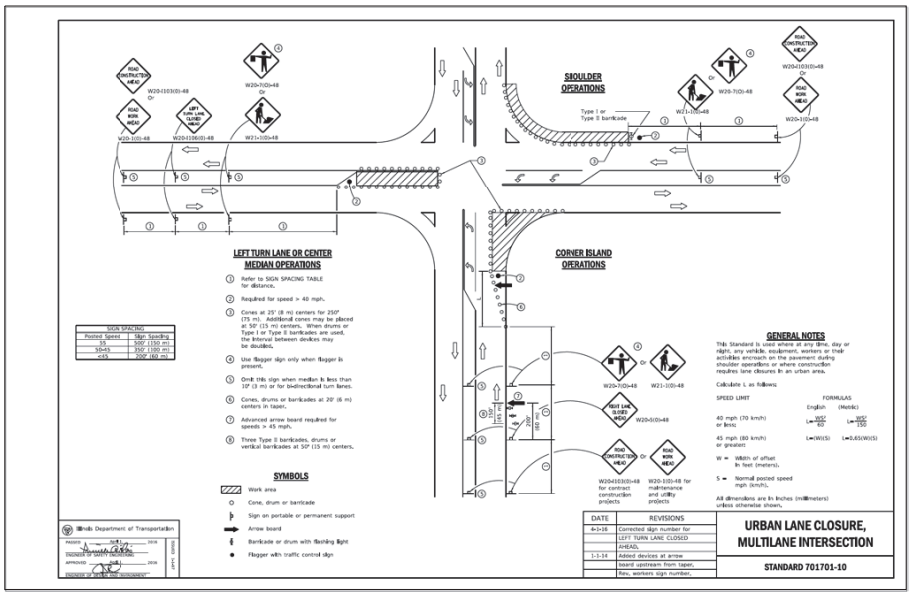
DRAWING NO. **STD-1**
SHEET NO. 180 OF 207

PLOT DATE = 8/11/2022









DESIGNED -				benesch	Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN -							
CHECKED -							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				

IDOT HIGHWAY STANDARD DETAILS

SCALE: NTS | SHEET STD-2 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. STD-2

SHEET NO. 181 OF 207

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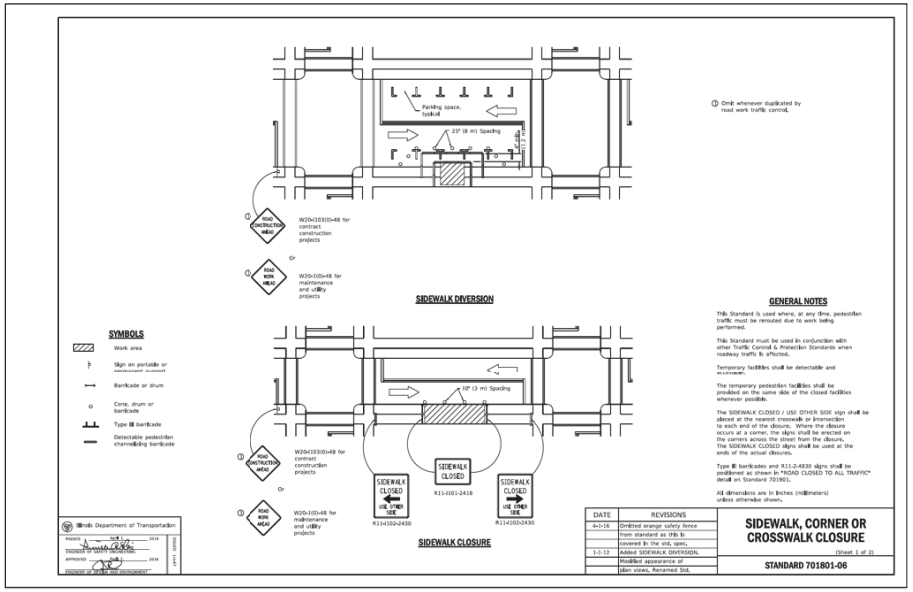
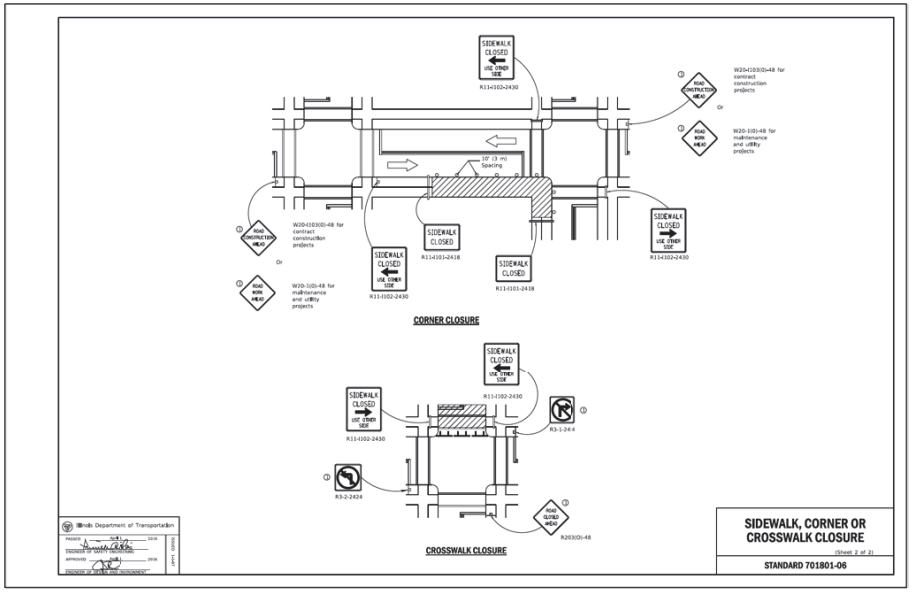
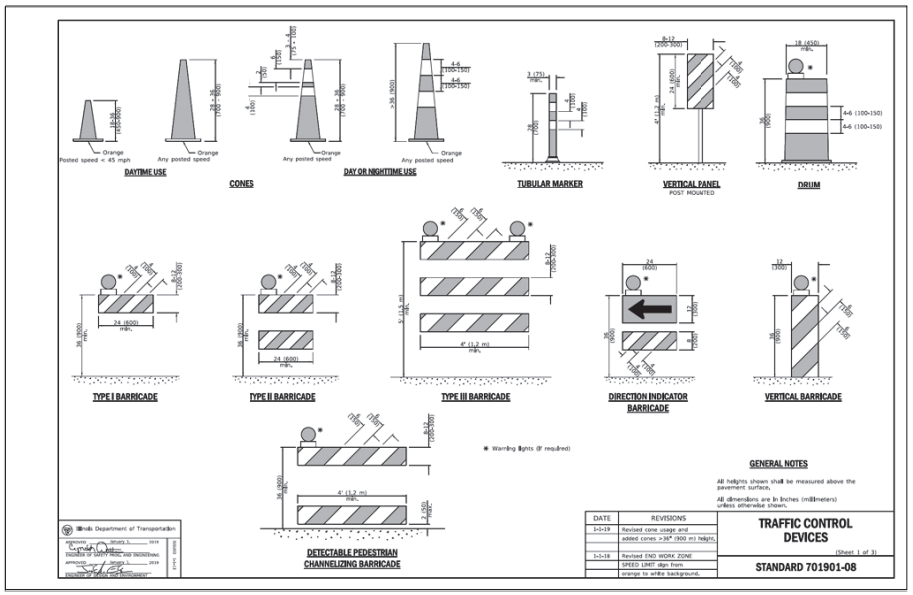
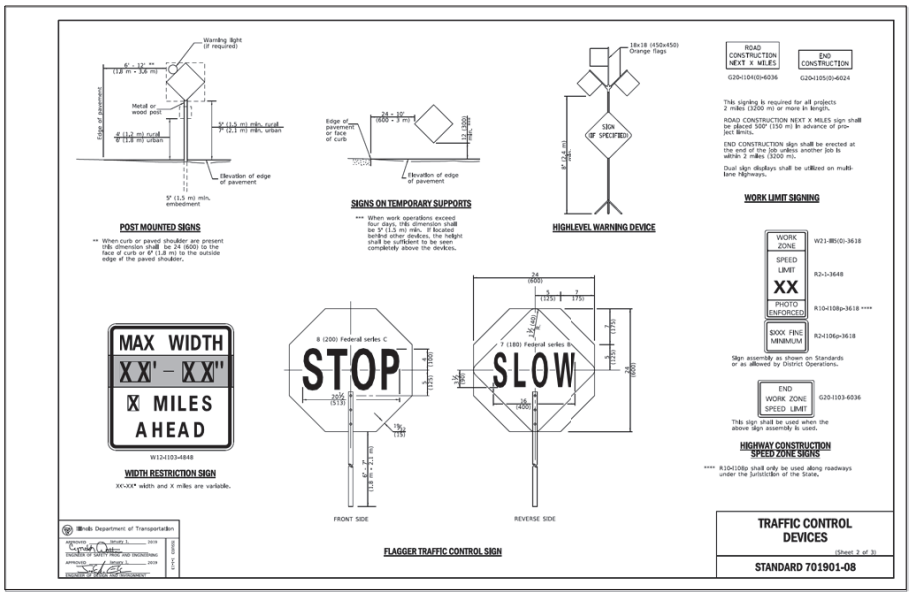
PLOT DATE = 8/11/2022



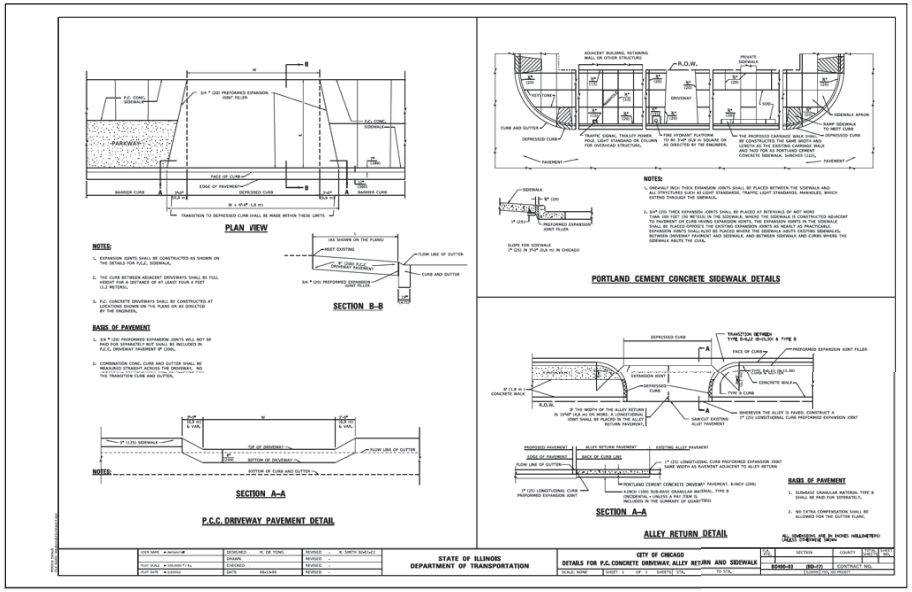


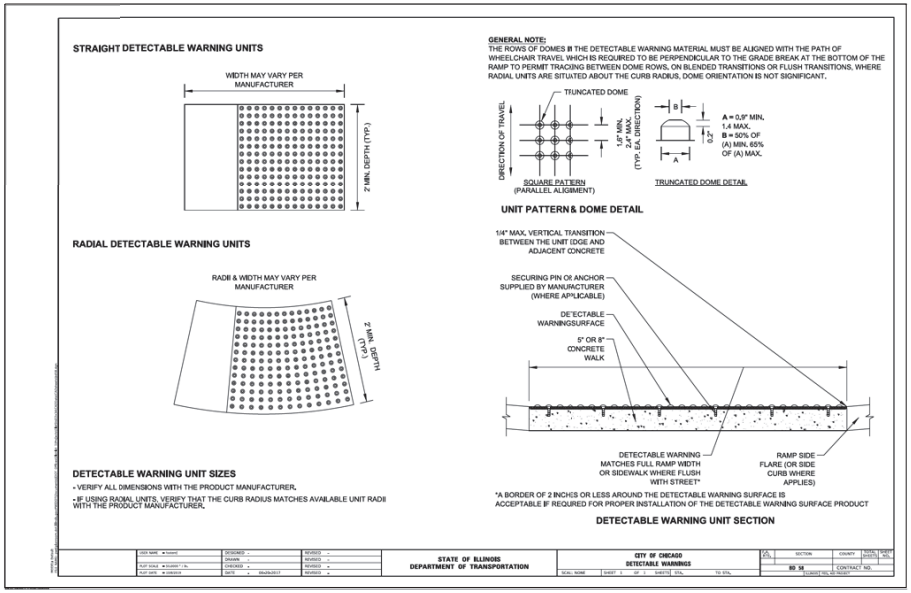




DESIGNED -				benesch Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	IDOT HIGHWAY STANDARD DETAILS
DRAWN -							SCALE: NTS | SHEET STD-3 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250
CHECKED -							DRAWING NO. STD–3
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SHEET NO. 182 OF 207

PLOT DATE = 8/11/2022





DESIGNED -				benesch	Alfred Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN -							
CHECKED -							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				

DISTRICT 1 STANDARD DETAILS

SCALE: NTS | SHEET STD-4 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. STD–4

SHEET NO. 183 OF 207

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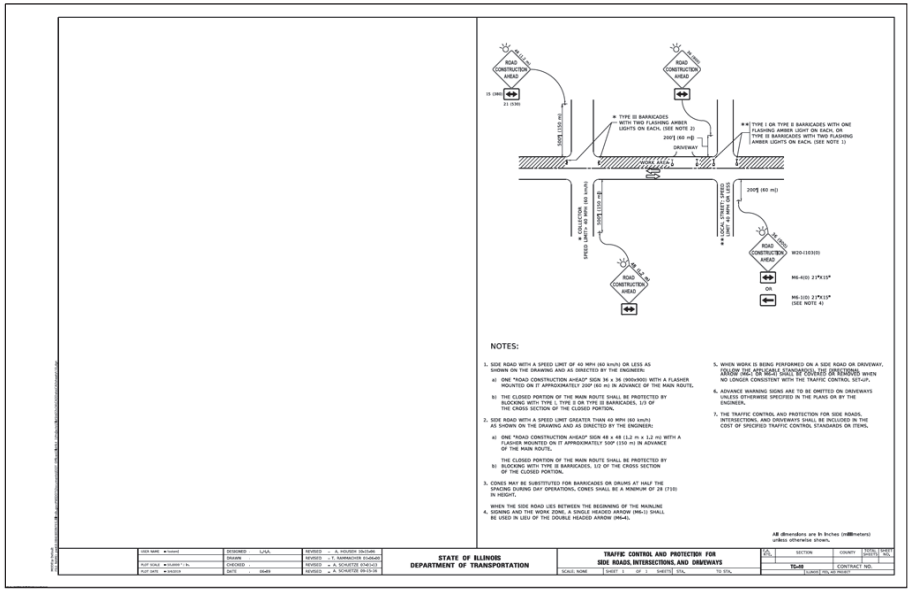
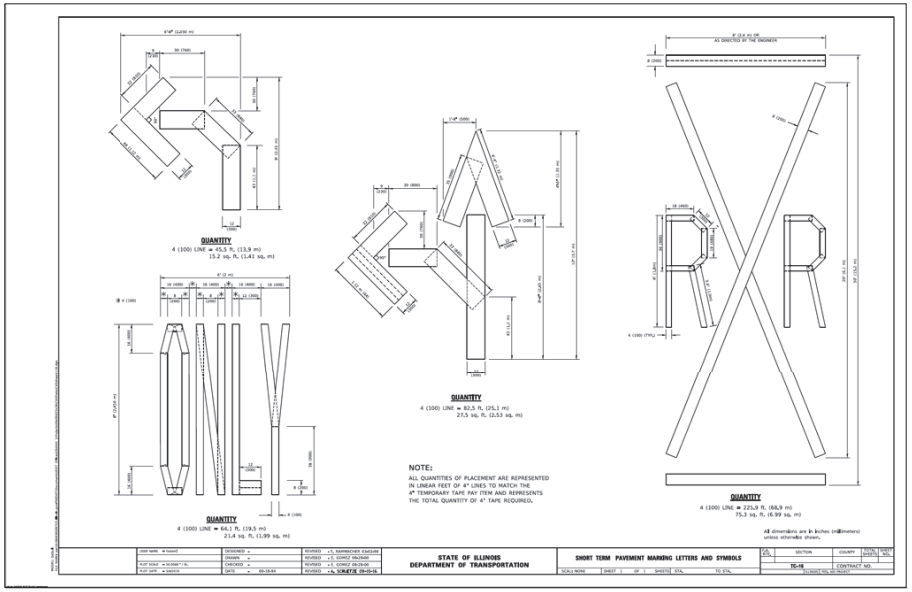
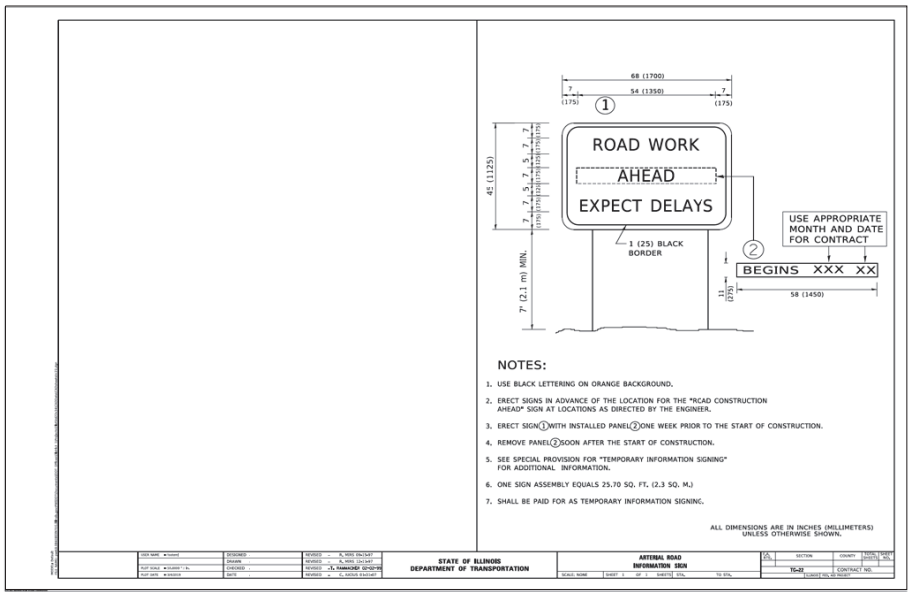
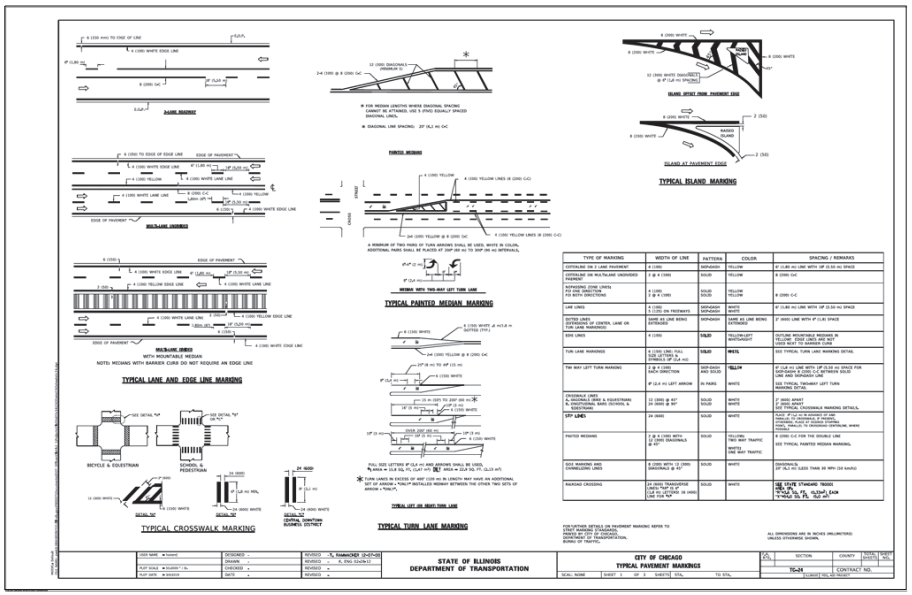
PLOT DATE = 8/11/2022









DESIGNED -				benesch	Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN -							
CHECKED -							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				

DISTRICT 1 STANDARD DETAILS			DRAWING NO. STD-5
SCALE: NTS	SHEET STD-5 OF STD-28 SHEETS	PROJECT NO. S-0-447	CONTRACT NO. 32250
			SHEET NO. 184 OF 207

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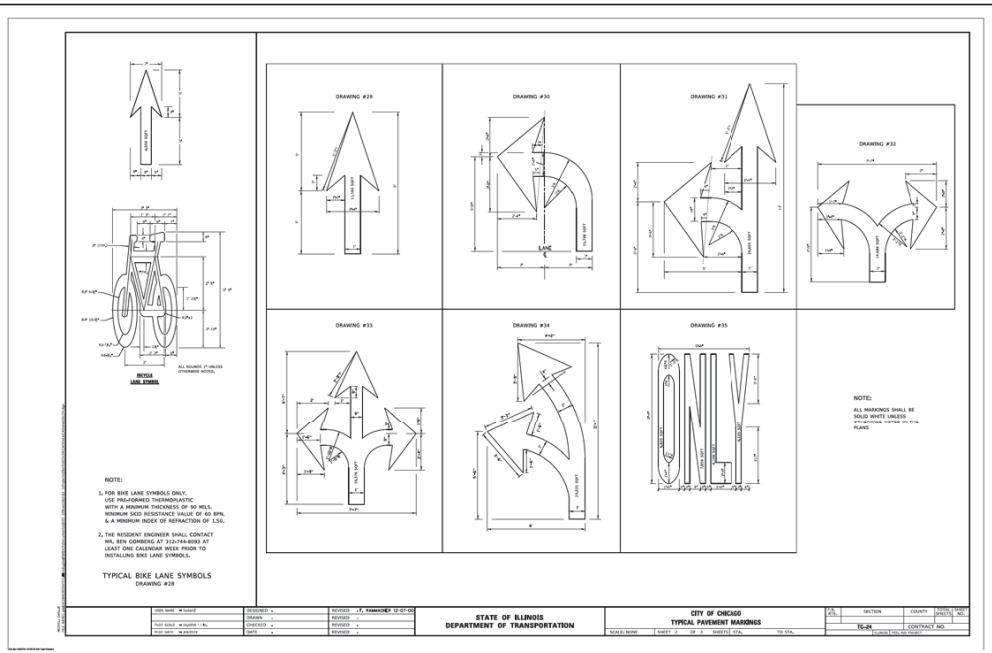
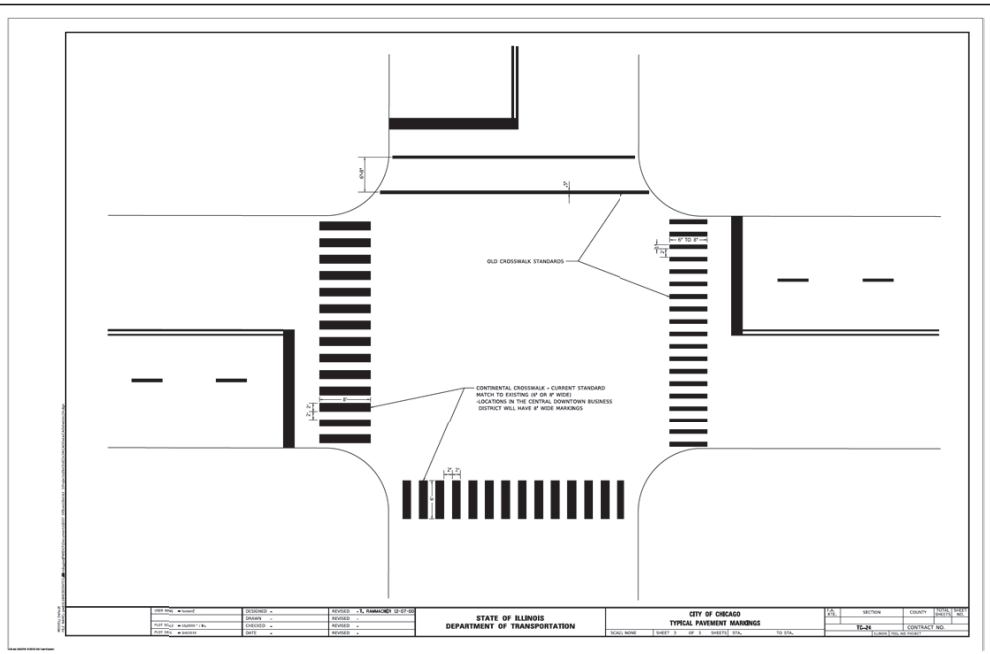
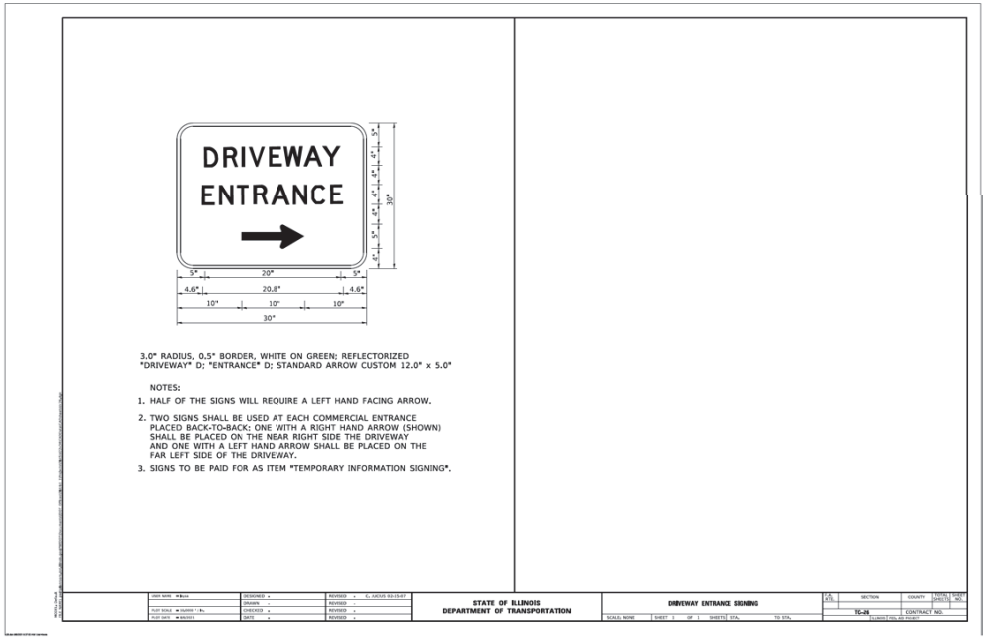
PLOT DATE = 8/11/2022







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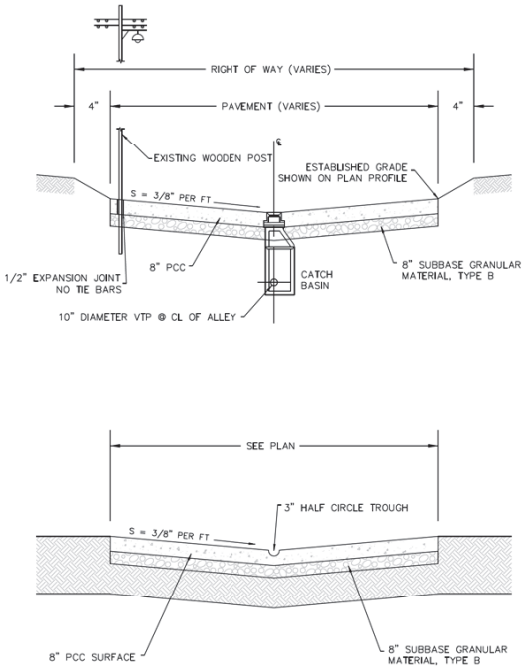
PLOT DATE = 8/11/2022

DESIGNED -				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN -				Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1		
CHECKED -						
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION			

DISTRICT 1 STANDARD DETAILS				DRAWING NO. STD-6
SCALE: NTS	SHEET STD-6 OF STD-28 SHEETS	PROJECT NO. S-0-447	CONTRACT NO. 32250	SHEET NO. 185 OF 207



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	STANDARD ALLEY SECTION		
			DATE	SHEET	DRAWN BY
			12/12/06	A-1-2	CDOT

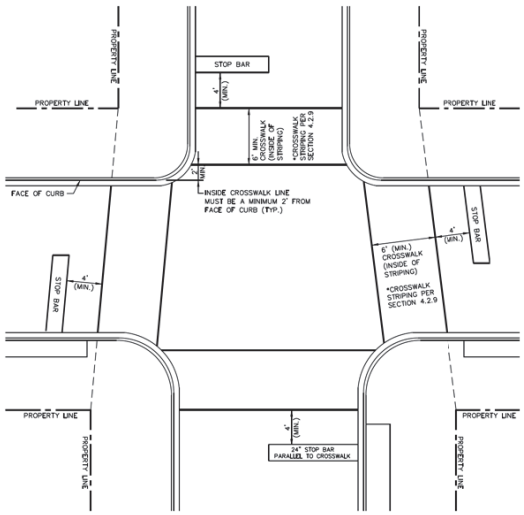
NOTES:

TYPICAL CROSSWALK CONSISTS OF TWO PROJECTED LINES, ONE OF THEM A PROJECTION OF THE PROPERTY LINE AND THE OTHER PARALLEL AS DEFINED BY SIDEWALK WIDTH.

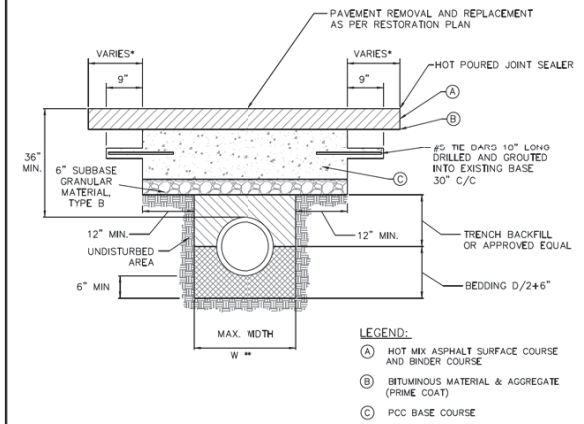
WHERE CROSSWALK LOCATIONS ARE DEFINED BY SPECIFIC CURB RAMP SITUATIONS, THE ABOVE TYPICAL LAYOUT MAY NOT APPLY. SEE CURB RAMP LAYOUTS IN APPENDIX B FOR ADDITIONAL CROSSWALK DETAILS.

FOR CROSSWALKS AT INTERSECTIONS WHERE PROPERTY LINES ARE NOT AT 90 DEGREES, ALIGN THE PROPERTY LINES (SEE DASHED LINE BELOW) TO LOCATE INNER CROSSWALK LINE.

SEE SECTION 4.2.9 AND SHEET A-7-1 FOR GUIDELINES REGARDING THE LAYOUT OF CONTINENTAL AND LADDER MARKINGS.



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	INTERSECTION CROSSWALK LAYOUT		
			DATE	SHEET	DRAWN BY
			01/10/07	A-1-3	CDOT



LEGEND:

- (A) HOT MIX ASPHALT SURFACE COURSE AND BINDER COURSE
- (B) BITUMINOUS MATERIAL & AGGREGATE (PRIME COAT)
- (C) PCC BASE COURSE

* PAVEMENT SHALL BE REMOVED & REPAVED TO NEAREST CONSTRUCTION JOINT IF TRENCH EDGE IS 5' OR LESS FROM JOINT. (OR AS REQUIRED BY THE COMMISSIONER)

** W = 9" + O.D. +9", WHEN TRENCH DEPTH ≤ 5 FT.
W = 18" + O.D. + 18", WHEN TRENCH DEPTH > 5 FT.

NOTES:

1. THE PORTLAND CEMENT CONCRETE BASE SHALL BE 8" OR MORE (SEE SECTION 4.2b FOR REQUIRED THICKNESS). FOR CONCRETE STREETS THE CONCRETE SHALL BE BROUGHT TO GRADE (INCLUDING 1'-0" OVERLAP) AND FINISHED AS REQUIRED IN THE IDOT SSRBC.
2. ALL EXISTING PAVEMENTS SHALL BE SAW CUT 1'-0" ON BOTH SIDES OF THE TRENCH OR PAVEMENT OPENING. UNDER NO CIRCUMSTANCES SHOULD EXISTING PAVEMENT, WHICH HAS BEEN UNDERMINED OR OTHERWISE DISTURBED, BE LEFT IN PLACE AND NOT RESTORED.
3. ALL STREET PAVEMENT WILL REQUIRE PLACEMENT OF #5 TIE BARS, 18 INCHES LONG DRILLED AND GROUTED (NON SHRINK) AT 30" CENTERS ON ALL SIDES. A MINIMUM OF TWO TIE BARS WILL BE REQUIRED ON EACH SIDE OF SAW CUT BOUNDARIES.
4. ALL TIE BARS AND DOWEL BARS ARE TO BE EPOXY COATED (INCIDENTAL).

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	STREET PAVEMENT RESTORATION DETAIL WITH TRENCH BACKFILL		
	1/27/2016	REVISION 2			
			DATE	SHEET	DRAWN BY
			12/12/06	A-2-2A	CDOT

DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

benesch

Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-7 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **STD-7**
SHEET NO. 186 OF 207

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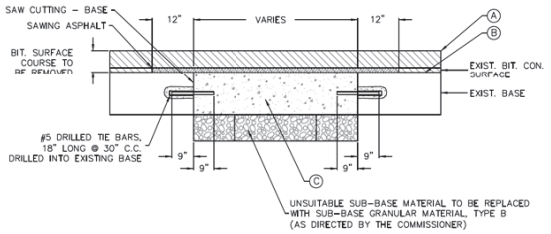
PLOT DATE = 8/11/2022



LEGEND:

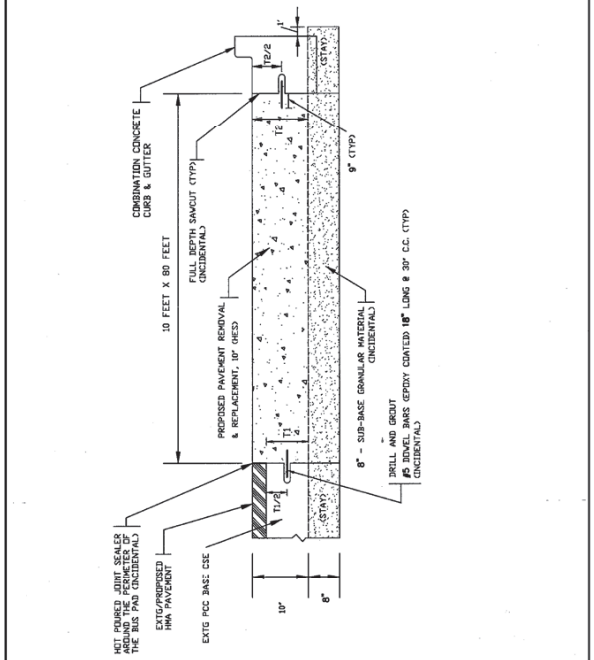
- (A) HOT MIX ASPHALT SURFACE COURSE AND BINDER COURSE
- (B) BITUMINCUS MATERIAL & AGGREGATE (PRIME COAT)
- (C) PCC BASE COURSE

NOTES:

1. THE PORTLAND CEMENT CONCRETE BASE SHALL BE 8" OR MORE (SEE SECTION 4.2b FOR REQUIRED THICKNESS). FOR CONCRETE STREETS THE CONCRETE SHALL BE BROUGHT TO GRADE (INCLUDING 1'-0" OVERLAP) AND FINISHED AS REQUIRED IN THE IDOT SSRBC.
2. ALL EXISTING PAVEMENTS SHALL BE SAW CUT 1'-0" ON BOTH SIDES OF THE TRENCH OR PAVEMENT OPENING. UNDER NO CIRCUMSTANCES SHOULD EXISTING PAVEMENT, WHICH HAS BEEN UNDERMINED OR OTHERWISE DISTURBED, BE LEFT IN PLACE AND NOT RESTORED.
3. ALL STREET PAVEMENT WILL REQUIRE PLACEMENT OF #5 TIE BARS, 18 INCHES LONG DRILLED AND GROUTED (NON SHRINK) AT 30" CENTERS ON ALL SIDES. A MINIMUM OF TWO TIE BARS WILL BE REQUIRED ON EACH SIDE OF SAW CUT BOUNDARIES.
4. ALL TIE BARS AND DOWEL BARS ARE TO BE EPOXY COATED (INCIDENTAL).

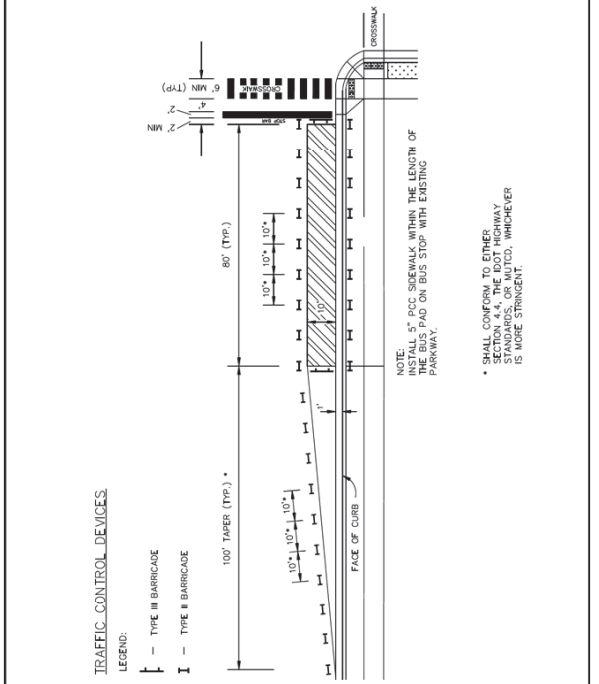
CDOT CHICAGO DEPARTMENT OF TRANSPORTATION

DATE	REVISION	CITY OF CHICAGO		
1/1/2014	REVISION 1	PAVEMENT PATCHING AND PORTLAND CEMENT CONCRETE REPLACEMENT		
1/27/2016	REVISION 2			
		DATE	SHEET	DRAWN BY
		01/11/07	A-2-2C	CDOT



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION

DATE	REVISION	CITY OF CHICAGO		
		PROPOSED 10" BUS PAD PAVEMENT		
		DATE	SHEET	DRAWN BY
		1/1/14	A-2-3D	CDOT



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION

DATE	REVISION	CITY OF CHICAGO		
		PROPOSED BUS PAD PAVEMENT AND TRAFFIC CONTROL LAYOUT		
		DATE	SHEET	DRAWN BY
		1/1/14	A-2-3E	CDOT

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DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

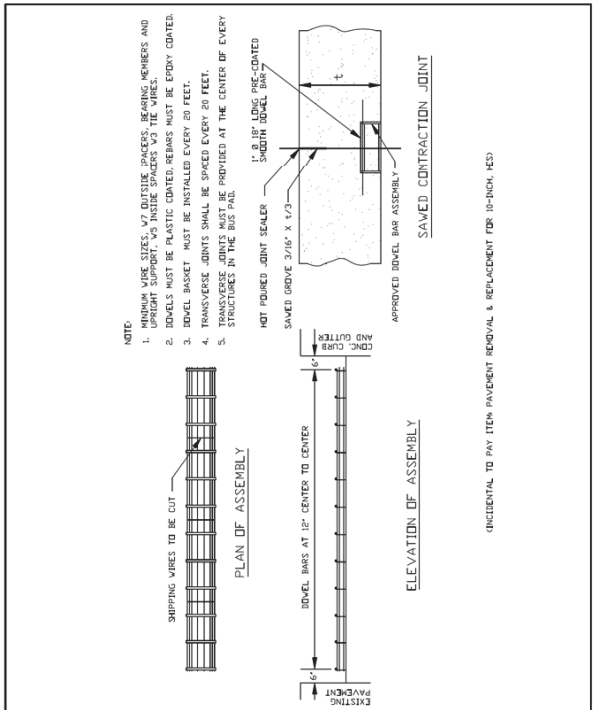
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

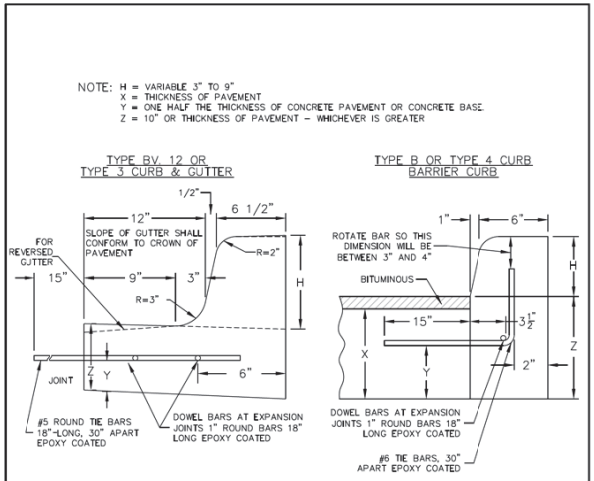
CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-8 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

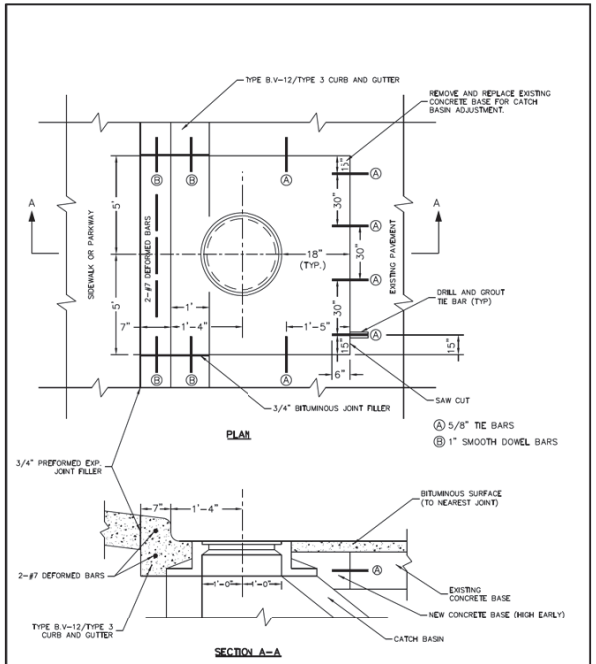
DRAWING NO. **STD-8**
SHEET NO. 187 OF 207



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
			CONTRACTION JOINT ASSEMBLY FOR BUS PAD
			DATE: 1/1/14 — SHEET: A-2-3F — DRAWN BY: CDOT



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
	1/1/2014	REVISION 1	CONCRETE CURB & GUTTER DETAIL
			DATE: 12/12/06 — SHEET: A-2-6 — DRAWN BY: CDOT



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
	1/1/2014	REVISION 1	CATCH BASIN ADJUSTMENT IN EXISTING PAVEMENT
			DATE: 12/22/06 — SHEET: A-2-11 — DRAWN BY: CDOT

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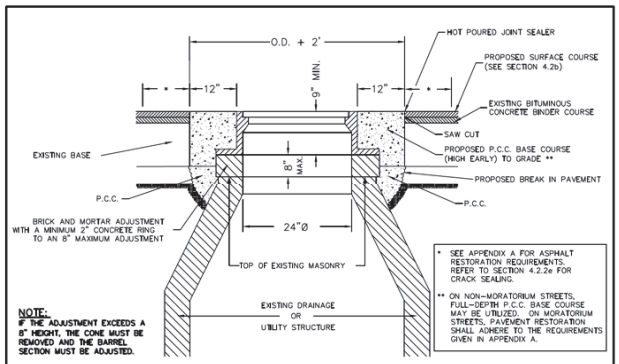
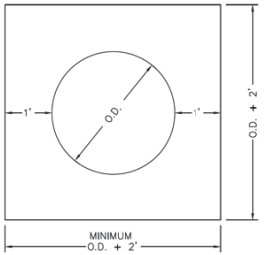
DESIGNED -				benesch — Allied Benesch & Company, 35 W Wacker Drive, Suite 3300, Chicago, Illinois 60601, 312-565-0450, Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT
DRAWN -					S COMMERCIAL AVE IMPROVEMENTS SECTION 1
CHECKED -					CDOT STANDARD DETAILS
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		SCALE: NTS — SHEET STD-9 OF STD-28 SHEETS — PROJECT NO. S-0-447 — CONTRACT NO. 32250

PLOT DATE = 8/11/2022

DRAWING NO. STD–9
SHEET NO. 188 OF 207



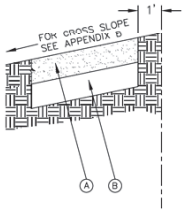
PLAN VIEW (BASE TO GRADE)



MANHOLE COVER FRONT VIEW



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	FRAME ADJUSTMENT IN PAVEMENT		
	1/27/2016	REVISION 2			
	10/18/2019	REVISION 3	DATE	SHEET	DRAWN BY
			12/22/06	A-2-12	CDOT



LEGEND:

(A) PROPOSED 5" P.C.C. SIDEWALK *

(B) SUBBASE GRANULAR MATERIAL, TYPE B OR C, 4"

* CURB RAMP & KEYSTONE 8" P.C.C. AT SIGNALIZED AND INDUSTRIAL STREET INTERSECTIONS

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	ADA COMPLIANT SIDEWALK CONSTRUCTION DETAILS		
			DATE	SHEET	DRAWN BY
			12/20/06	A-3-1	CDOT

TREE DIAMETER	DISTANCE OF TUNNEL FROM TREETRUNK	DISTANCE OF OPEN BYPASS TRENCH FROM TREETRUNK
INCHES	FEET	FEET
2	4	2
3	5	6
6	6*	10
12	6*	12
18	7*	14
24+	8*	16

* DEPENDENT ON PARKWAY WIDTH

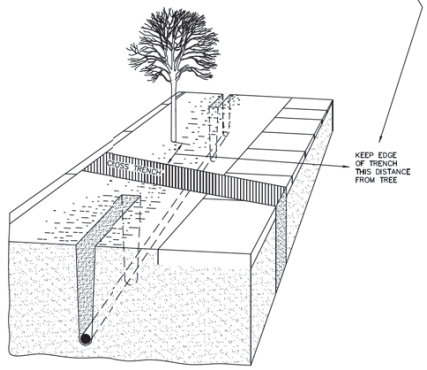


DIAGRAM ILLUSTRATING THE USE OF SOIL AUGERS IN THE PRESENCE OF TREES.

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	TRENCH GUIDELINES FOR INSTALLATION OF UNDERGROUND UTILITIES ADJACENT TO TREES		
			DATE	SHEET	DRAWN BY
			01/11/07	A-5-3	CDOT

MODEL: Default
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DESIGNED -			
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CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

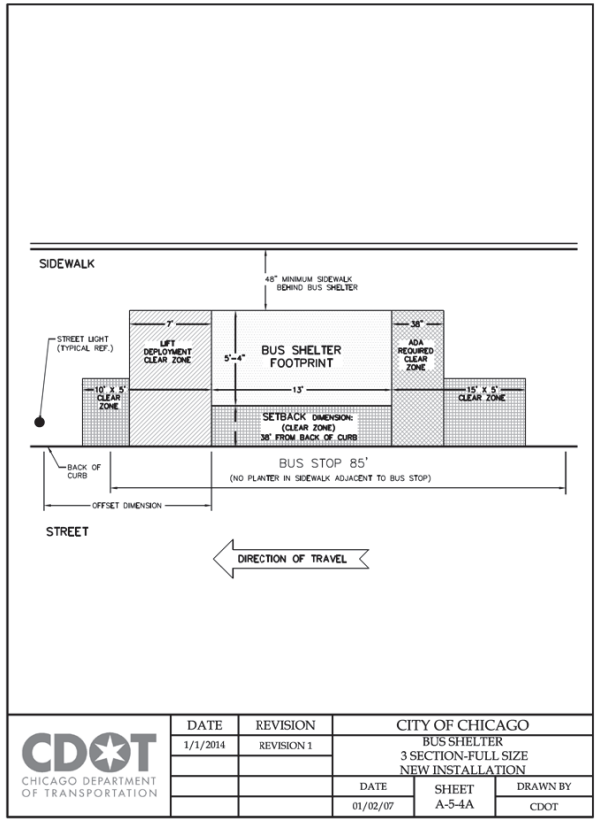
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

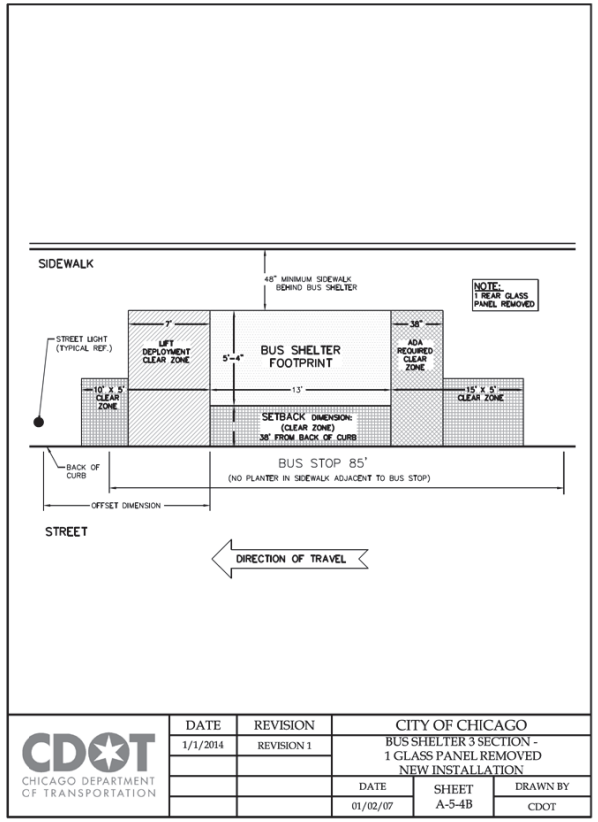
CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-10 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

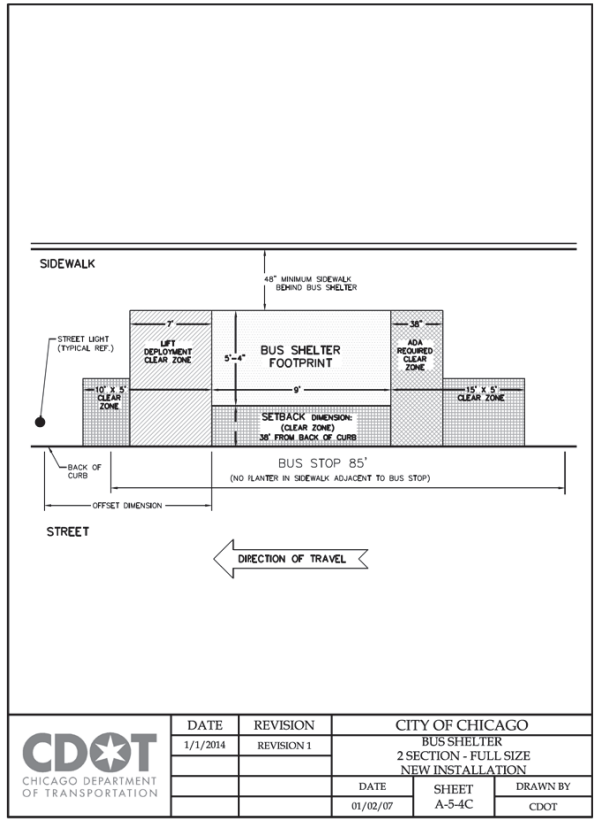
DRAWING NO. STD–10



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
	1/1/2014	REVISION 1	BUS SHELTER 3 SECTION-FULL SIZE NEW INSTALLATION
			DATE: 01/02/07 · SHEET: A-5-4A · DRAWN BY: CDOT



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
	1/1/2014	REVISION 1	BUS SHELTER 3 SECTION - 1 GLASS PANEL REMOVED NEW INSTALLATION
			DATE: 01/02/07 · SHEET: A-5-4B · DRAWN BY: CDOT



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
	1/1/2014	REVISION 1	BUS SHELTER 2 SECTION - FULL SIZE NEW INSTALLATION
			DATE: 01/02/07 · SHEET: A-5-4C · DRAWN BY: CDOT

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PLOT DATE = 8/11/2022

DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

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Allied Benesch & Company
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Chicago, Illinois 60601
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CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
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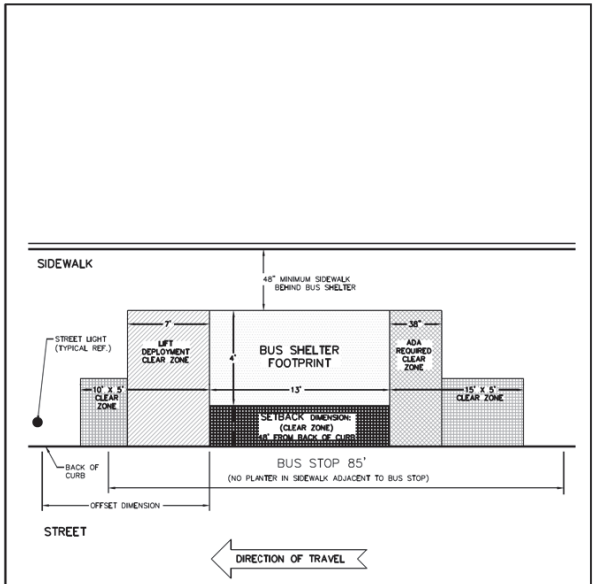
S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

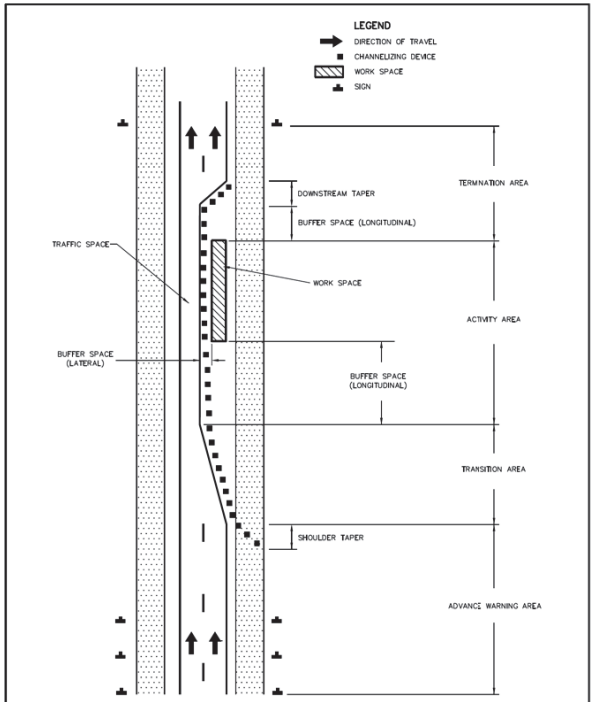
CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-11 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

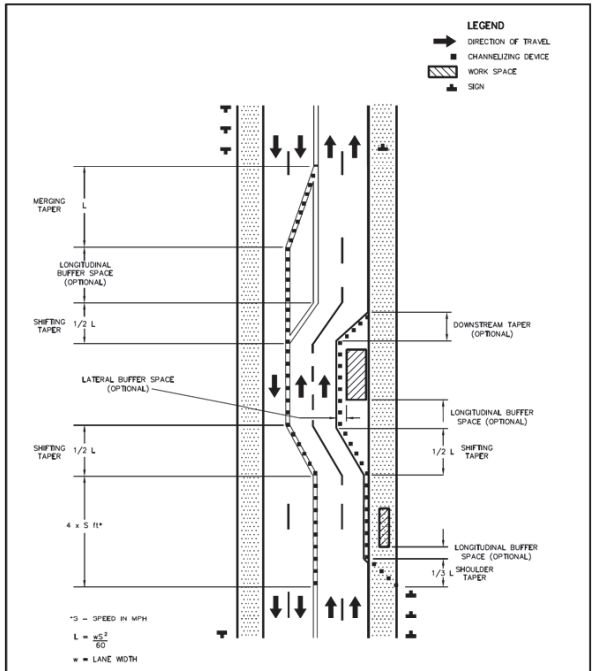
DRAWING NO. **STD–11**
SHEET NO. 190 OF 207



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	BUS SHELTER 3 SECTION - NARROW SIZE NEW INSTALLATION		
			DATE	SHEET	DRAWN BY
			01/02/07	A-5-4D	CDOT



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
			COMPONENT PARTS OF A TEMPORARY TRAFFIC CONTROL ZONE		
			DATE	SHEET	DRAWN BY
			1/1/14	A-6-1A	CDOT



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
			COMPONENT PARTS OF A TEMPORARY TRAFFIC CONTROL ZONE		
			DATE	SHEET	DRAWN BY
			1/1/14	A-6-1B	CDOT

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DESIGNED -			
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DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

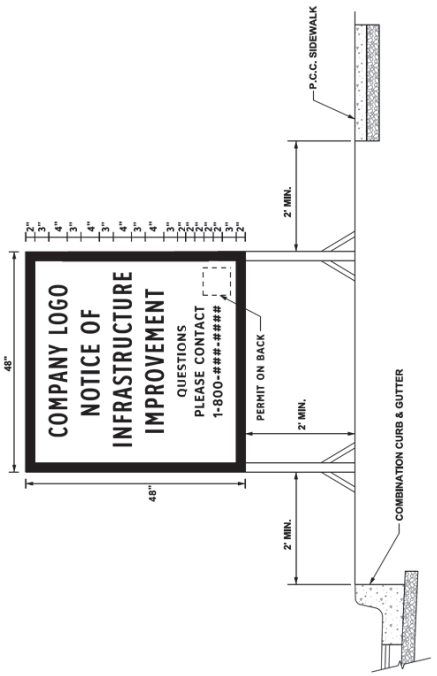
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-12 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO.
STD–12
SHEET NO.
191 OF 207



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
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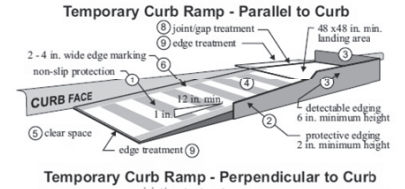
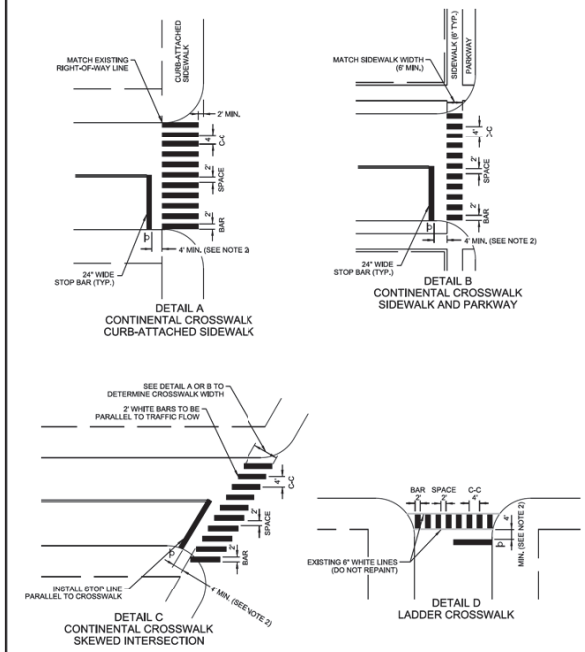
			DATE: 01/03/07 · SHEET: A-6-2 · DRAWN BY: CDOT



NOTES:
1. Curb ramps shall be 48 in. minimum width with a firm, stable and non-slip surface.
2. Protective edging with a 2 in. minimum height shall be installed when the curb ramp or landing platform has a vertical drop of 6 in. or greater or has a side apron slope steeper than 1:3 (33%). Protective edging should be considered when curb ramps or landing platforms have a vertical drop of 3 in. or more.
3. Detectable edging with 6 in. minimum height and contrasting color shall be installed on all curb ramp landings where the walkway changes direction (turns).
4. Curb ramps and landings should have a 1:50 (2%) max cross-slope.
5. Clear space of 48 x 48 in. minimum shall be provided above and below the curb ramp.
6. The curb ramp walkway edge shall be marked with a contrasting color 2 to 4 in. wide marking. The marking is optional where color contrasting edging is used.
7. Water flow in the gutter system shall have minimal restriction.
8. Lateral joints or gaps between surfaces shall be less than 0.5 in. width.
9. Changes between surface heights should not exceed 0.5 in. Lateral edges should be vertical up to 0.25 in. high, and beveled at 1:2 between 0.25 in. and 0.5 in. height.

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
			TYPICAL TEMPORARY ADA RAMP
			DATE: 01/01/14 · SHEET: A-6-3 · DRAWN BY: CDOT



PAGE 1 OF 2

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
	1/1/2014	REVISION 1	CROSSWALK MARKING DETAIL
			DATE: 06/25/12 · SHEET: A-7-1A · DRAWN BY: CDOT

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DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

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35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

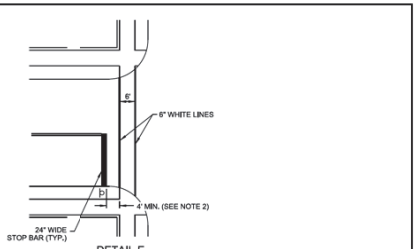
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

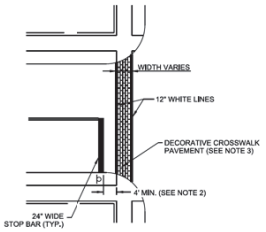
CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-13 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **STD–13**
SHEET NO. 192 OF 207



DETAIL E
TRANSVERSE LINE CRSSWALK



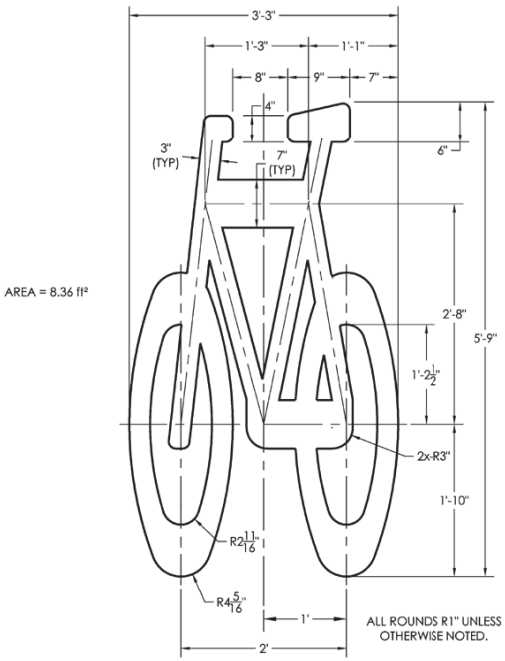
DETAIL F
DECORATIVE CRSSWALK

GENERAL NOTES:

1. DO NOT INSTALL NEW CROSSWALKS ACROSS ARTERIAL OR COLLECTOR STREETS WITHOUT COORDINATING WITH CDOT TRAFFIC ENGINEERS.
2. STOP LINE SHOULD BE PLACED A MINIMUM OF 4' IN ADVANCE OF A CROSSWALK. AT THE ENGINEER'S DISCRETION, THE STOP BAR MAY BE MORE THAN 4' FROM THE CROSSWALK TO AVOID ENCROACHMENT BY TURNING VEHICLES.
3. ALL RESTORATION OF DECORATIVE CROSSWALK PAVEMENT SHALL BE COORDINATED WITH CDOT PROJECT DEVELOPMENT
4. STRIPING SHOULD BE PLACED TO AVOID WHEEL PATHS FOR LONGEVITY.

PAGE 2 OF 2

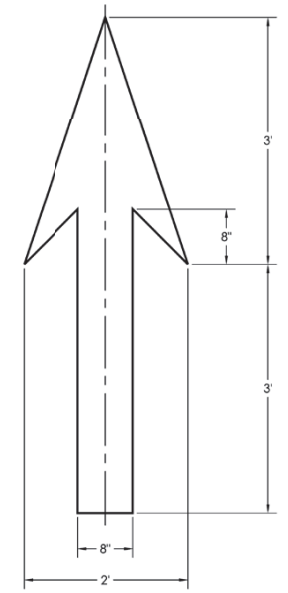
CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	CROSSWALK MARKING DETAIL		
			DATE	SHEET	DRAWN BY
			06/25/12	A-7-1B	CDOT



AREA = 8.36 ft²

ALL ROUNDS R1" UNLESS OTHERWISE NOTED.

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	6' BIKE SYMBOL		
			DATE	SHEET	DRAWN BY
			06/25/12	A-7-2	CDOT



AREA = 4.56 ft²

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO		
	1/1/2014	REVISION 1	BIKE ARROW		
			DATE	SHEET	DRAWN BY
			06/25/12	A-7-4	CDOT

DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

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Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-14 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **STD–14**
SHEET NO. 193 OF 207

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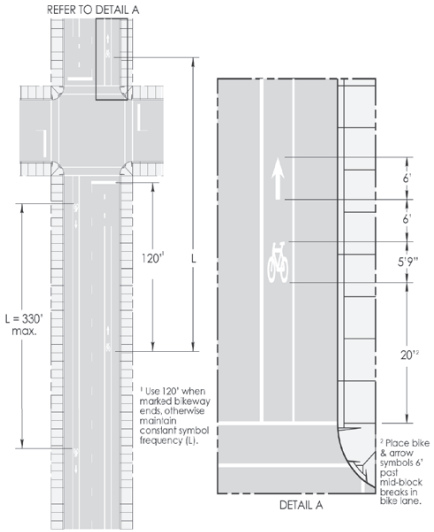
PLOT DATE = 8/11/2022



CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
	1/1/2014	REVISION 1	BIKE AND ARROW SYMBOL SPACING
			DATE: 09/02/05 — SHEET: A-7-10 — DRAWN BY: CDOT

NOTES:

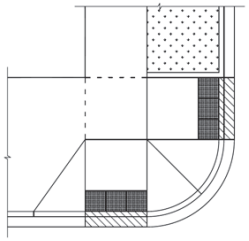
CURB RAMP LAYOUT B-1-2 IS PREFERRED WHEREVER POSSIBLE. WHERE RAMPS ARE LOCATED IN THE CORNER RADIUS, LAYOUT B-1-3 SHALL BE USED.

CURB RAMP PLACEMENT SHALL BE COORDINATED AS REQUIRED TO ALLOW FOR A 4' MINIMUM WIDTH SIDEWALK AROUND EACH CORNER OF INTERSECTION. SIDEWALK NOT TO BE OBSTRUCTED BY CURB RAMPS OR OTHER BARRIERS AND SHALL HAVE A CROSS SLOPE OF 1:64 MAXIMUM.

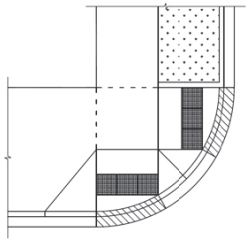
THE BLENDED TRANSITION LAYOUT B-1-7 (AND SIMILAR) MAY BE USED WHERE TWO RAMPS ARE NOT POSSIBLE DUE TO GEOMETRIC CONSTRAINTS, SUCH AS LIMITED SIDEWALK WIDTH OR GRADE ELEVATIONS. THE BLENDED TRANSITION SHALL NOT BE USED IF ACCESS TO AN EXISTING FACILITY WOULD BE REDUCED.

THE SHARED PERPENDICULAR RAMP AT CORNER LAYOUT B-1-10 IS NOT PREFERRED AND MAY ONLY BE USED WITH PERMISSION FROM THE COMMISSIONER.

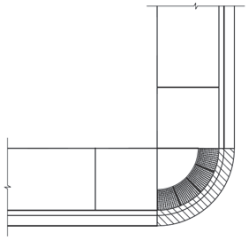
SEE SHEET B-3-3 FOR TRANSITION PANEL GUIDELINES.



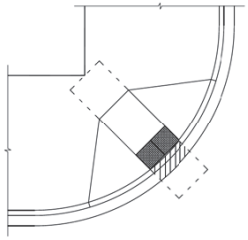
SHEET B-1-2: 2 PERPENDICULAR RAMPS



SHEET B-1-3: 2 RAMPS IN RADIUS



SHEET B-1-7: BLENDED TRANSITION

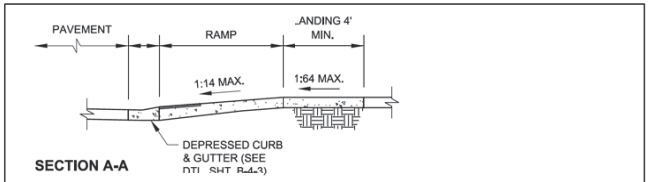


SHEET B-1-10: SHARED PERPENDICULAR RAMP AT CORNER

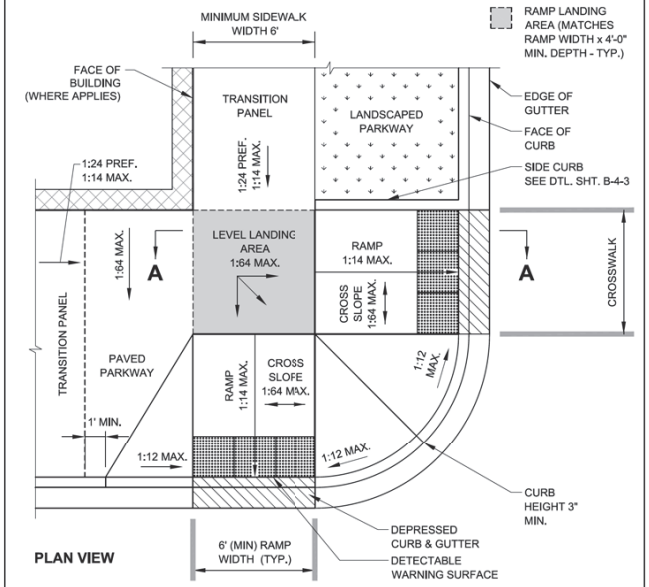
City of Chicago Rahm Emanuel, Mayor — Department of Transportation — Division of Engineering — www.cityofchicago.org / CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION
	02/20/07	REVISION 1
	11/15/07	REVISION 2
	11/14/08	REVISION 3
	11/02/09	REVISION 4
	08/10/12	REVISION 5

CITY OF CHICAGO
TYPICAL CORNER RAMP LAYOUTS
SHEET B-1-1

SCALE: NOT TO SCALE
DATE: 10/23/2006
DRAWN BY: CDOT
CHECKED BY: LCM



SECTION A-A



PLAN VIEW

City of Chicago Rahm Emanuel, Mayor — Department of Transportation — Division of Engineering — www.cityofchicago.org / CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION
	02/20/07	REVISION 1
	11/15/07	REVISION 2
	11/14/08	REVISION 3
	11/02/09	REVISION 4
	08/10/12	REVISION 5

CITY OF CHICAGO
2 PERPENDICULAR RAMPS AT CORNER
SHEET B-1-2

SCALE: NOT TO SCALE
DATE: 10/23/2006
DRAWN BY: CDOT
CHECKED BY: LCM

MODEL: Default
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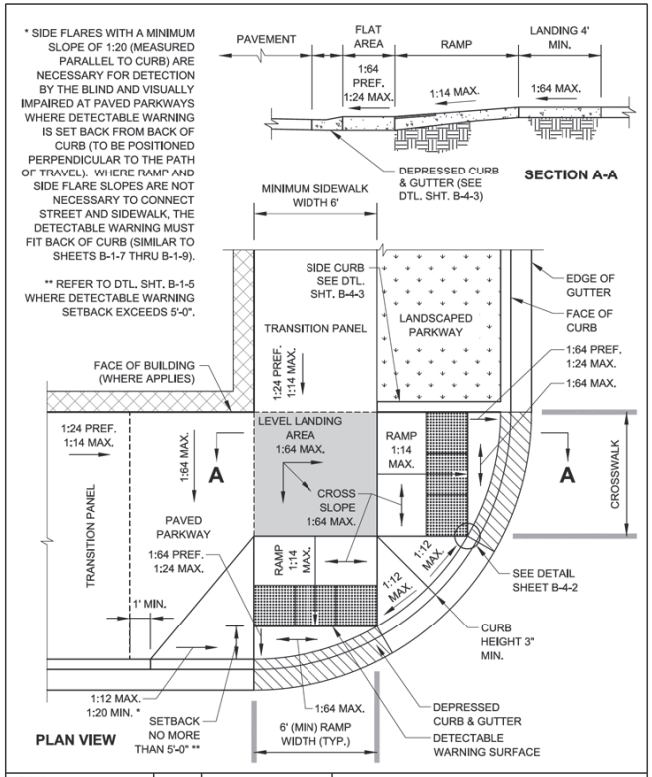
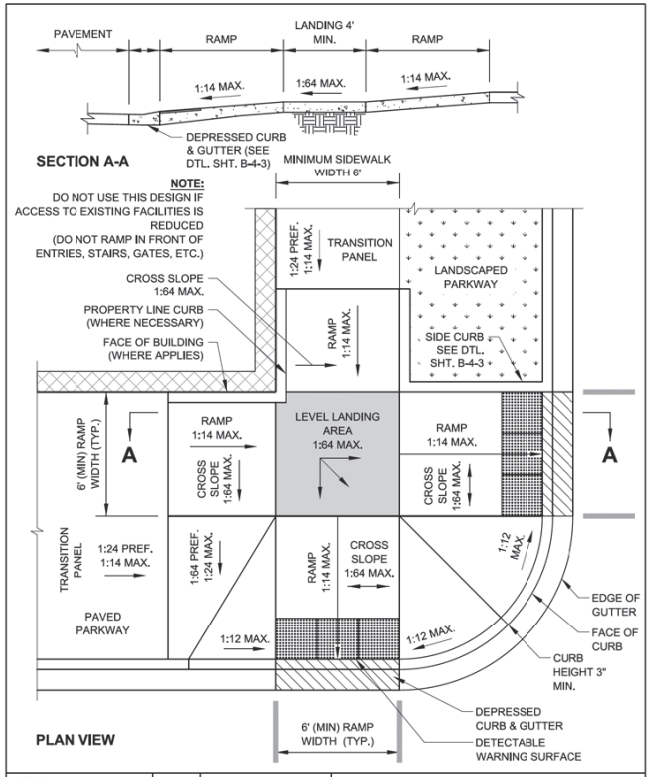
DESIGNED -				benesch — Allied Benesch & Company, 35 W Wacker Drive, Suite 3300, Chicago, Illinois 60601, 312-565-0450, Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	CDOT STANDARD DETAILS	DRAWING NO. STD–15
DRAWN -								SHEET NO. 194 OF 207
CHECKED -								
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SCALE: NTS — SHEET STD-15 OF STD-28 SHEETS — PROJECT NO. S-0-447 — CONTRACT NO. 32250	

PLOT DATE = 8/11/2022



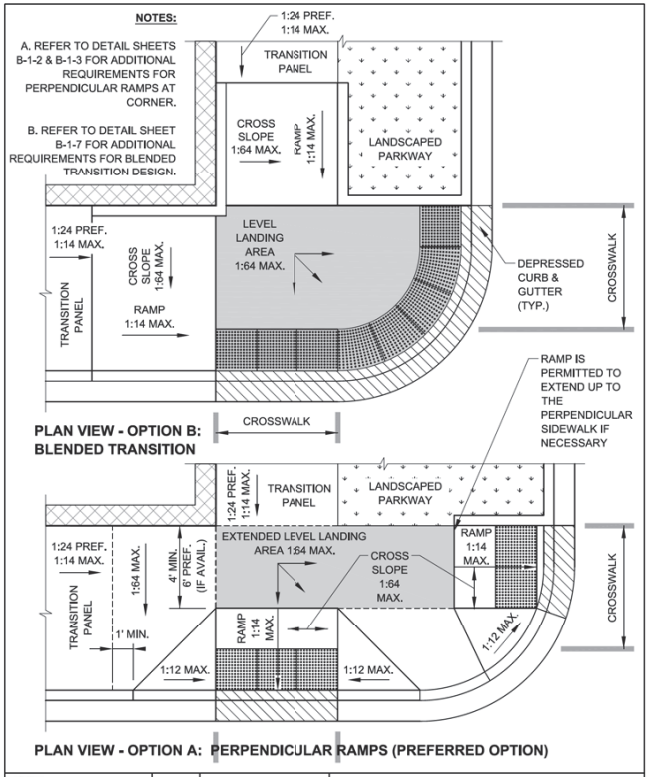
DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5

CITY OF CHICAGO
2 PERPENDICULAR RAMPS AT CORNER WITH RAMPS IN CURB RADIUS
SCALE: NOT TO SCALE
DATE: 10/23/2006
SHEET B-1-3
DRAWN BY: CDOT
CHECKED BY: LCM



DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5

CITY OF CHICAGO
COMBINATION RAMP AT CORNER (PARALLEL AND PERPENDICULAR RAMPS)
SCALE: NOT TO SCALE
DATE: 10/23/2006
SHEET B-1-6
DRAWN BY: CDOT
CHECKED BY: LCM



DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5

CITY OF CHICAGO
RAMPS AT CORNER WITH DIFFERENT SIDEWALK WIDTHS
SCALE: NOT TO SCALE
DATE: 10/23/2006
SHEET B-1-11
DRAWN BY: CDOT
CHECKED BY: LCM

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PLOT DATE = 8/11/2022

DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-16 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

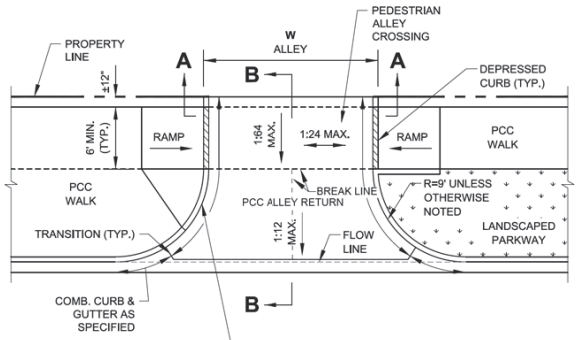
DRAWING NO. **STD–16**
SHEET NO. 195 OF 207

NOTES:

A. DETECTABLE WARNING IS NOT REQUIRED AT ALLEY RETURNS.

B. RAMP DETAILS ARE DEPENDENT UPON SITE SPECIFIC CONDITIONS (WHERE RAMPS ARE NECESSARY). SEE APPROPRIATE RAMP SHEET AS REQUIRED (TYP.).

C. SEE DETAIL B-2-5 FOR REDUCED WIDTH (4' MIN.) PEDESTRIAN ACCESSIBLE ROUTE ACROSS ALLEY / DRIVEWAY (TO ALLOW FOR ADDITIONAL SLOPE AT ALLEY / DRIVEWAY).



TYP. ALLEY RAMP WITH FULL WALK

TYP. ALLEY ADJACENT TO LANDSCAPED PARKWAY

PLAN VIEW

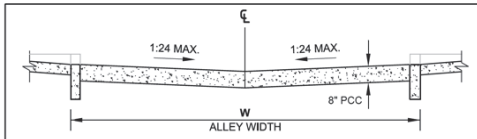
NOTE:
WORK THIS SHEET WITH SHEET B-2-2.

DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5
01/01/14	REVISION 6

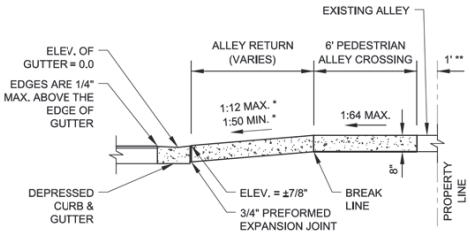
CITY OF CHICAGO
ALLEY RETURN PLAN VIEW
SHEET B-2-1

SCALE: NOT TO SCALE
DATE: 10/23/2006

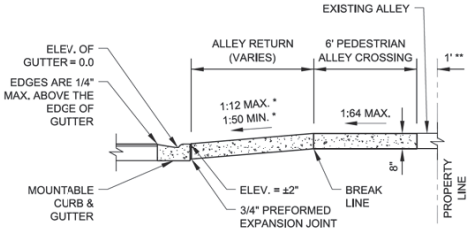
DRAWN BY: CDOT
CHECKED BY: GK



SECTION A-A: CROSS SECTION AT PROPERTY LINE



SECTION B-B: LONGITUDINAL SECTION SHOWING DEPRESSED CURB & GUTTER



SECTION B-B: LONGITUDINAL SECTION SHOWING MOUNTABLE CURB & GUTTER

ALLEY RETURN NOTES:

A. WHEN A PORTION OF AN EXISTING PAVED ALLEY IS REMOVED TO ADJUST THE ALLEY PAVEMENT TO THE NEW GRADE, 3/4" PREFORMED EXPANSION JOINT MATERIAL SHALL BE PLACED ON THE PROPERTY LINE OTHERWISE THE JOINT IS OMITTED. THE COST OF FURNISHING AND PLACING THE 3/4" PREFORMED EXPANSION JOINT MATERIAL SHALL BE INCLUDED IN THE COST OF THE PORTLAND CEMENT CONCRETE ALLEY RETURN.

B. SAWED JOINTS SHALL BE SEALED WITH A POURED MATERIAL MEETING THE REQUIREMENTS OF SECTION 1050 OF THE SSRBC.

* SLOPE VARIES AND IS NOT GOVERNED BY ADA

** THE SLOPE OF THE ALLEY IN THE 1' SPACE ADJACENT TO THE PROPERTY LINE MAY BE ALTERED UP TO 10% TO MEET EXISTING CONDITIONS

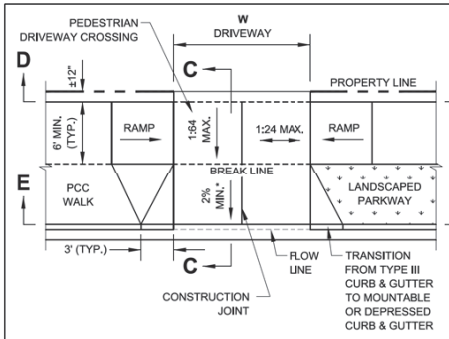
NOTE:
WORK THIS SHEET WITH SHEET B-2-1.

DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5
01/01/14	REVISION 6

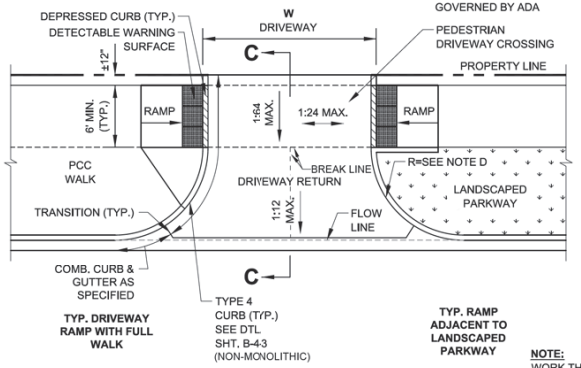
CITY OF CHICAGO
ALLEY RETURN SECTIONS
SHEET B-2-2

SCALE: NOT TO SCALE
DATE: 10/23/2006

DRAWN BY: CDOT
CHECKED BY: GK



OPTION A - DRIVEWAY WITH FLARES



TYP. DRIVEWAY RAMP WITH FULL WALK

TYP. RAMP ADJACENT TO LANDSCAPED PARKWAY

OPTION B - COMMERCIAL AND RESIDENTIAL DRIVEWAY WITH CURB
FOR USE WITH TRAFFIC SIGNALIZATION APPROVED BY CITY ORDINANCE

ALLEY NOTES:

A. DETECTABLE WARNING IS NOT REQUIRED AT NON-SIGNALIZED DRIVEWAYS.

B. RAMP DETAILS ARE DEPENDENT UPON SITE SPECIFIC CONDITIONS (WHERE RAMPS ARE NECESSARY). SEE APPROPRIATE RAMP SHEET AS REQUIRED (TYP.).

C. SEE DETAIL B-2-5 FOR REDUCED WIDTH (4' MIN.) PEDESTRIAN ACCESSIBLE ROUTE ACROSS ALLEY / DRIVEWAY (TO ALLOW FOR ADDITIONAL SLOPE AT ALLEY / DRIVEWAY).

D. DEPENDENT UPON TYPE & VOLUME OF TRAFFIC.

* SLOPE VARIES AND IS NOT GOVERNED BY ADA

NOTE:
WORK THIS SHEET WITH SHEET B-2-4.

DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5
01/01/16	REVISION 6

CITY OF CHICAGO
DRIVEWAY CONSTRUCTION PLAN VIEWS
SHEET B-2-3

SCALE: NOT TO SCALE
DATE: 10/23/2006

DRAWN BY: CDOT
CHECKED BY: LCM

MODEL: Default
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DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

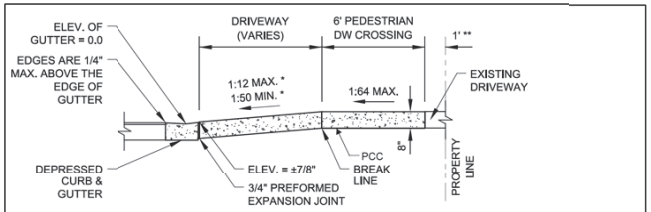
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE IMPROVEMENTS
SECTION 1

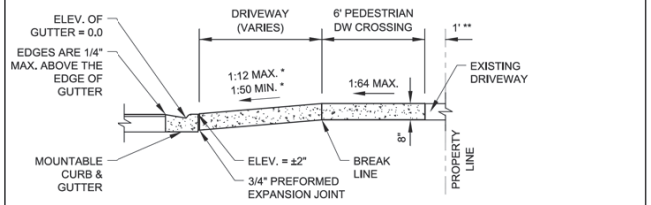
CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-17 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

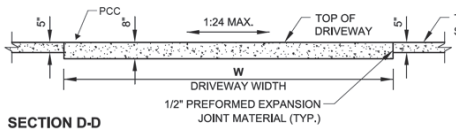
DRAWING NO.
STD–17
SHEET NO.
196 OF 207



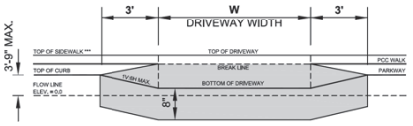
SECTION C-C: SECTION SHOWING DEPRESSED CURB & GUTTER



SECTION C-C: SECTION SHOWING MOUNTABLE CURB & GUTTER



SECTION D-D



SECTION E-E

* SLOPE VARIES AND IS NOT GOVERNED BY ADA

** THE SLOPE OF THE ALLEY IN THE 1' SPACE ADJACENT TO THE PROPERTY LINE MAY BE ALTERED UP TO 10% TO MEET EXISTING CONDITIONS

*** HEIGHT OF FLARE + WIDTH OF SIDEWALK x 1.56% + WIDTH OF PARKWAY x 1.56% TO 4%

NOTE:
WORK THIS SHEET WITH SHEET B-2-3.

City of Chicago
Rahm Emanuel, Mayor
Department of Transportation
Division of Engineering
www.cityofchicago.org

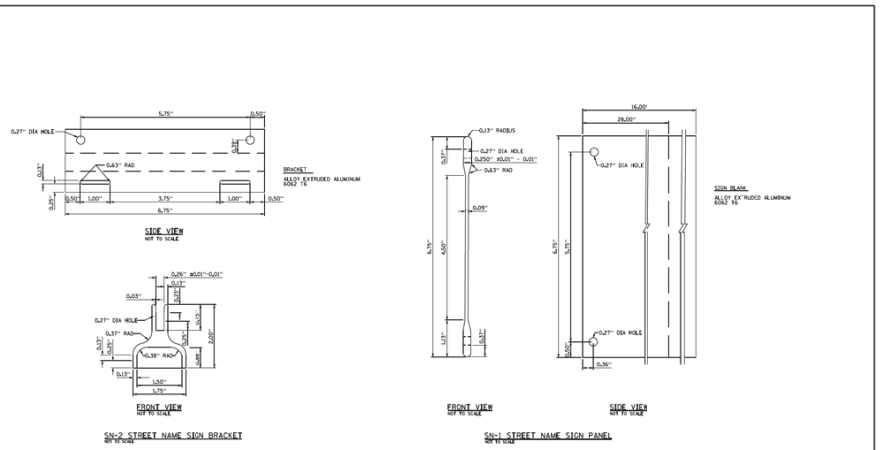
CDOT
CHICAGO DEPARTMENT OF TRANSPORTATION

DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5
01/01/14	REVISION 6

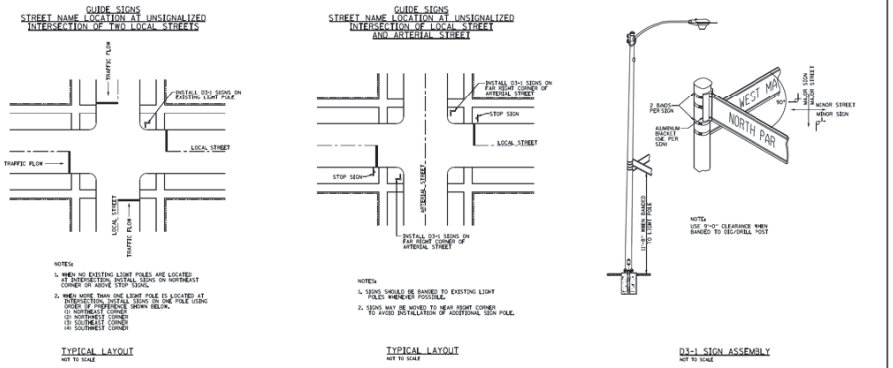
CITY OF CHICAGO
DRIVEWAY CONSTRUCTION SECTIONS
SHEET B-2-4

SCALE: NOT TO SCALE
DATE: 10/23/2006

DRAWN BY: CDOT
CHECKED BY: GK



DATE	REVISION	CITY OF CHICAGO
		D3-1 SIGN AND BRACKET SPECS
		DATE / DRAWN BY
		12/21/2020



DATE	REVISION	CITY OF CHICAGO
		D3-1 STREET NAME SIGN INSTALLATION
		DATE / DRAWN BY
		12/21/2020

DESIGNED -				benesch	Allied Benesch & Company, 35 W Wacker Drive, Suite 3300, Chicago, Illinois 60601, 312-565-0450, Job No. 10812 S1
DRAWN -					
CHECKED -					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-18 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **STD–18**
SHEET NO. 197 OF 207

MODEL: Default
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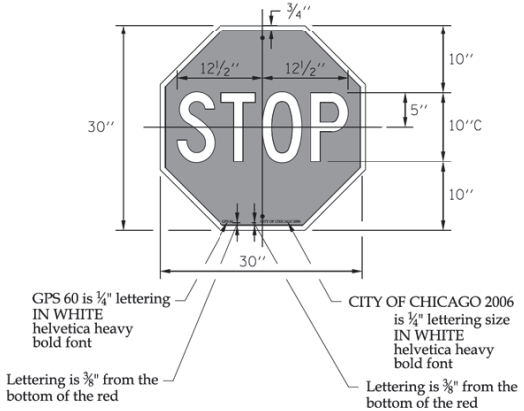
PLOT DATE = 8/11/2022

SPECIFICATION 44578, ALUMINUM SIGN BLANKS, SIGNS, COROPLAST SHEETS

30" OCTAGON HIP WHITE CENTER MOUNT OVERSIZED STOP SIGN WITH 1160 PREMIUM GRAFFITI OVERLAY FILM



COLORS: LEGEND - WHITE (REFLECTIVE) *reduce spacing 40%
BACKGROUND - RED (REFLECTIVE)

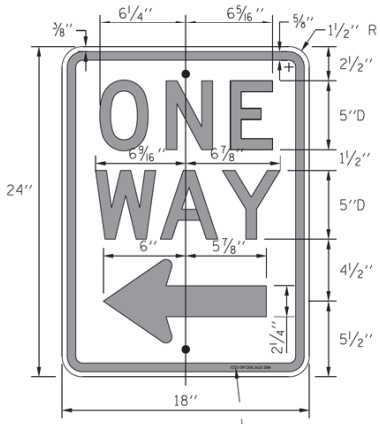
Holes are ⅜" on center and 2" from the edge of the plate.

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
			30" OCTAGON - STOP SIGN R1-1
			DATE: 10/31/12 | DRAWING: 2 | DRAWN BY: CDOT

Page 2

SPECIFICATION 44578, ALUMINUM SIGN BLANKS, SIGNS, COROPLAST SHEETS

18"X24" SINGLE FACED CENTER MOUNT HIP WHITE WITH 1160 PREMIUM GRAFFITI OVERLAY ONE WAY ARROW



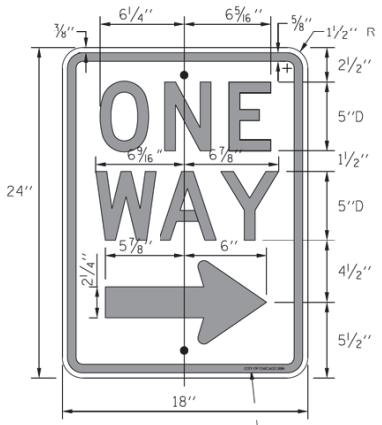
COLORS: LEGEND - BLACK
BACKGROUND - WHITE (REFLECTIVE) *See page 6-2 for arrow design

Holes are ⅜" on center and 2" from the edge of the plate

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
			18"X24" - ONE WAY (LEFT) R6-2L
			DATE: 10/31/12 | DRAWING: 4 | DRAWN BY: CDOT

SPECIFICATION 44578, ALUMINUM SIGN BLANKS, SIGNS, COROPLAST SHEETS

18"X24" SINGLE FACED CENTER MOUNT HIP WHITE WITH 1160 PREMIUM GRAFFITI OVERLAY ONE WAY ARROW



COLORS: LEGEND - BLACK
BACKGROUND - WHITE (REFLECTIVE) *See page 6-2 for arrow design

Holes are ⅜" on center and 2" from the edge of the plate

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION	DATE	REVISION	CITY OF CHICAGO
			18"X24" - ONE WAY (RIGHT) R6-2R
			DATE: 10/31/12 | DRAWING: 5 | DRAWN BY: CDOT

MODEL: Default
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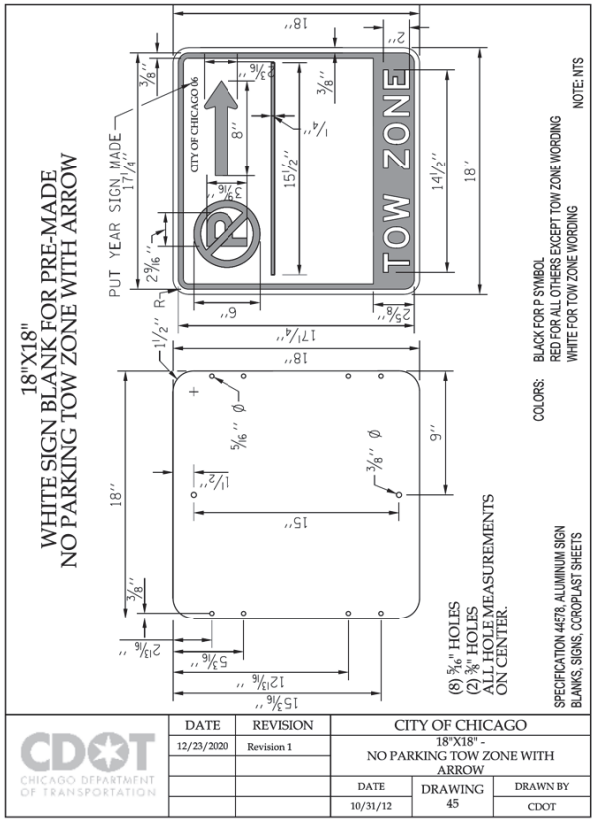
DESIGNED -				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT
DRAWN -				Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
CHECKED -					CDOT STANDARD DETAILS
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		SCALE: NTS | SHEET STD-19 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

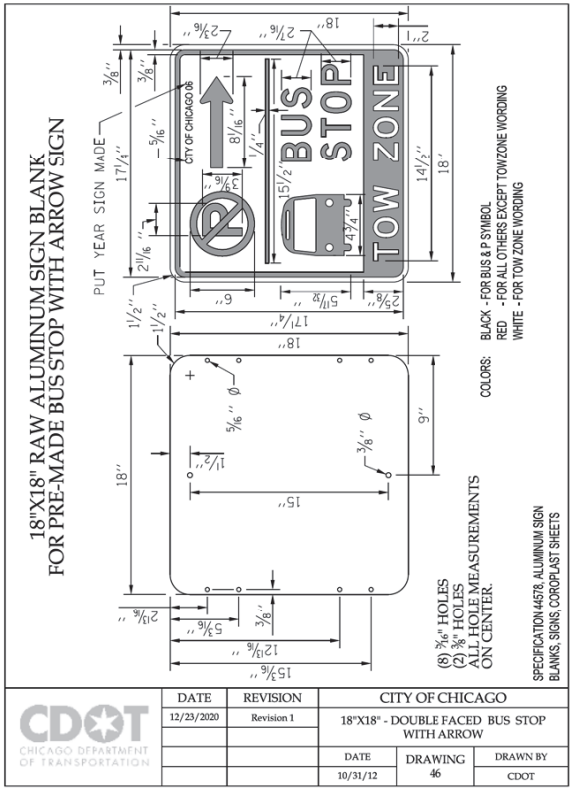
PLOT DATE = 8/11/2022

DRAWING NO. STD–19
SHEET NO. 198 OF 207



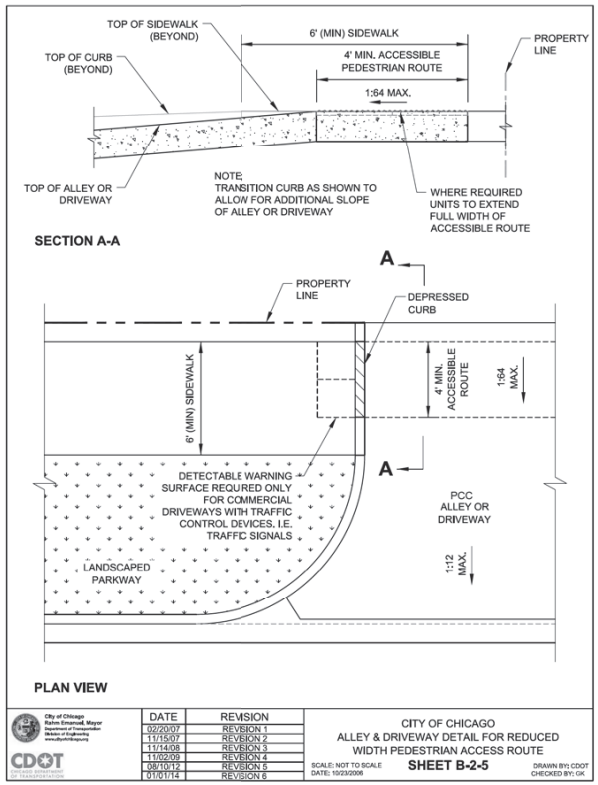
DATE	REVISION	CITY OF CHICAGO
12/23/2020	Revision 1	18"X18" - NO PARKING TOW ZONE WITH ARROW
		DATE: 10/31/12 — DRAWING: 45 — DRAWN BY: CDOT

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION



DATE	REVISION	CITY OF CHICAGO
12/23/2020	Revision 1	18"X18" - DOUBLE FACED BUS STOP WITH ARROW
		DATE: 10/31/12 — DRAWING: 46 — DRAWN BY: CDOT

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION



DATE	REVISION
02/20/07	REVISION 1
11/15/07	REVISION 2
11/14/08	REVISION 3
11/02/09	REVISION 4
08/10/12	REVISION 5
01/01/14	REVISION 6

CITY OF CHICAGO
ALLEY & DRIVEWAY DETAIL FOR REDUCED WIDTH PEDESTRIAN ACCESS ROUTE
SCALE: NOT TO SCALE — DATE: 10/23/2006 — **SHEET B-2-5** — DRAWN BY: CDOT — CHECKED BY: CK

City of Chicago Rahm Emanuel, Mayor — Department of Transportation — Division of Engineering — www.cityofchicago.org

CDOT CHICAGO DEPARTMENT OF TRANSPORTATION

DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

benesch

Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

CDOT STANDARD DETAILS

SCALE: NTS | SHEET STD-20 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **STD–20**
SHEET NO. 199 OF 207

MODEL: Default
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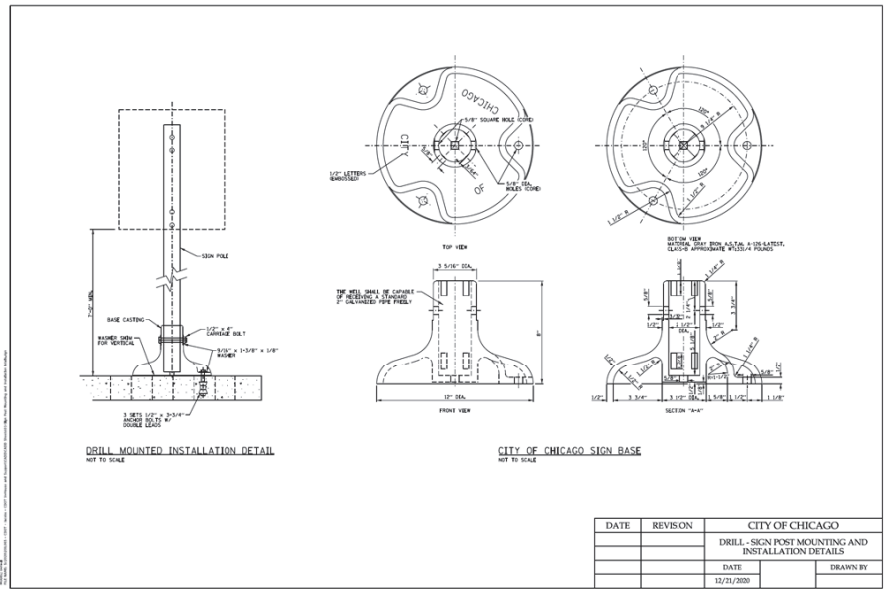
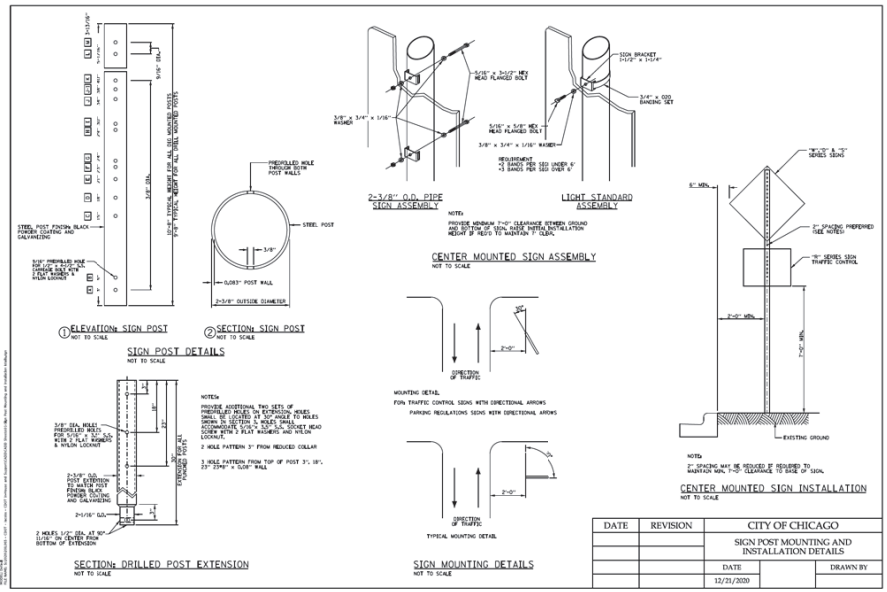
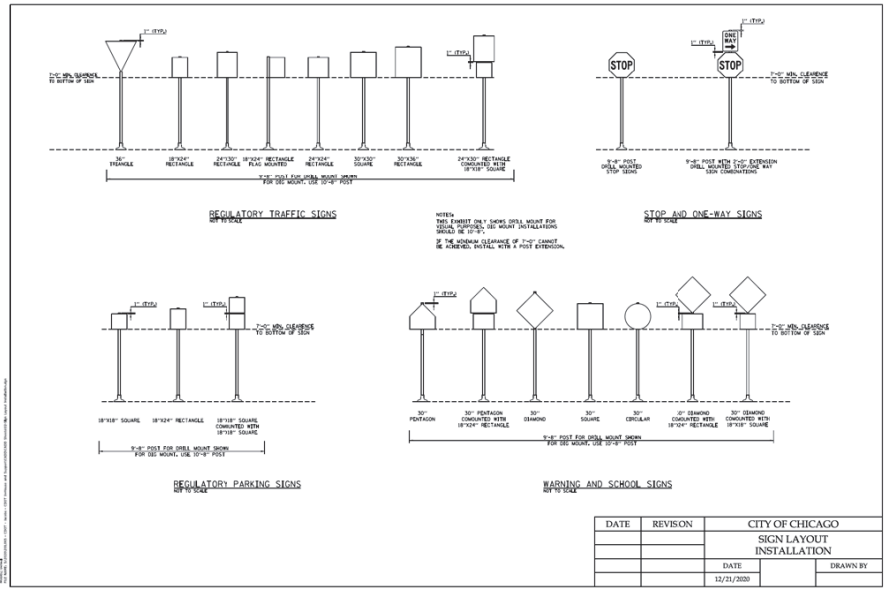
PLOT DATE = 8/11/2022



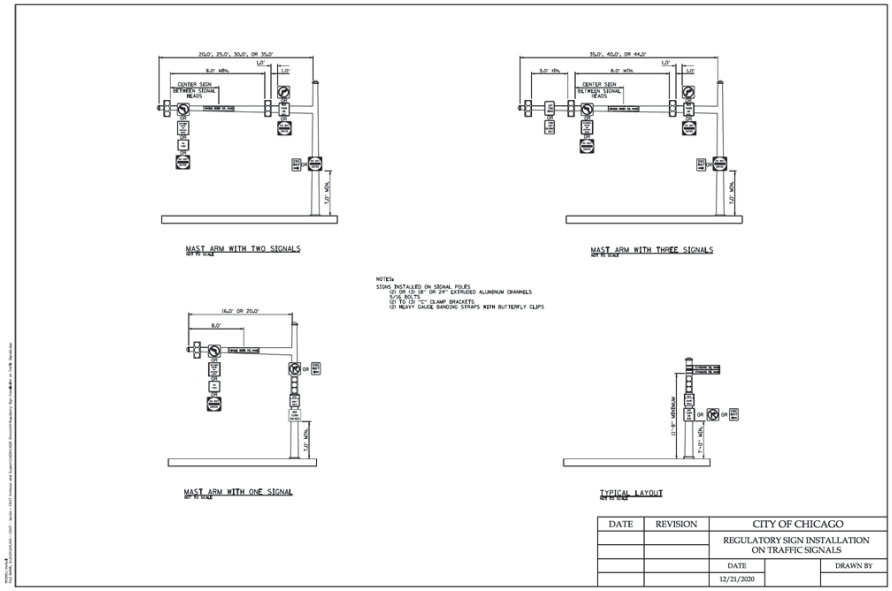
DATE	REVISON	CITY OF CHICAGO
		DRILL - SIGN POST MOUNTING AND INSTALLATION DETAILS
		DATE: 12/21/2020
		DRAWN BY:



DATE	REVISION	CITY OF CHICAGO
		SIGN POST MOUNTING AND INSTALLATION DETAILS
		DATE: 12/21/2020
		DRAWN BY:



DATE	REVISON	CITY OF CHICAGO
		SIGN LAYOUT INSTALLATION
		DATE: 12/21/2020
		DRAWN BY:



DATE	REVISION	CITY OF CHICAGO
		REGULATORY SIGN INSTALLATION ON TRAFFIC SIGNALS
		DATE: 12/21/2020
		DRAWN BY:

DESIGNED -				benesch	Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1
DRAWN -							
CHECKED -							
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				

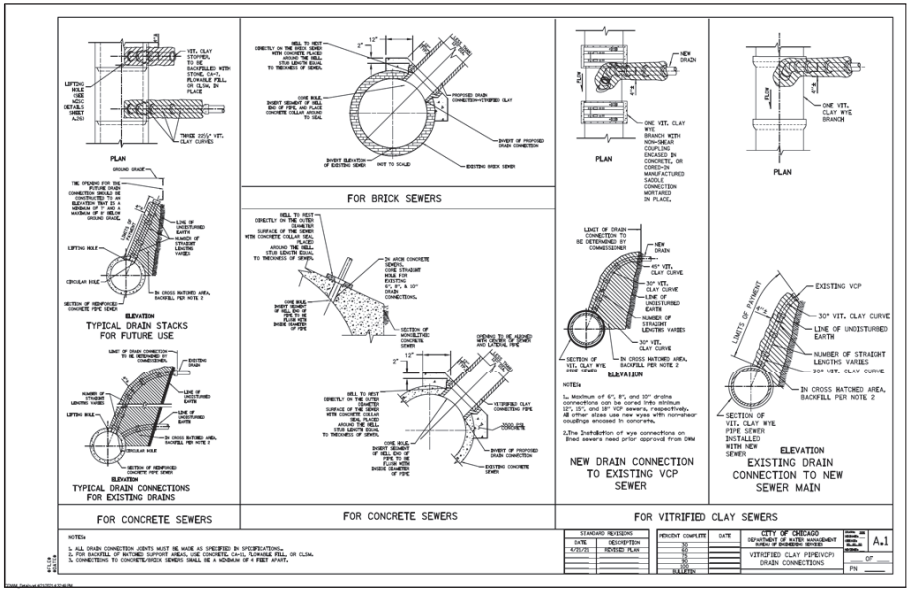
CDOT STANDARD DETAILS

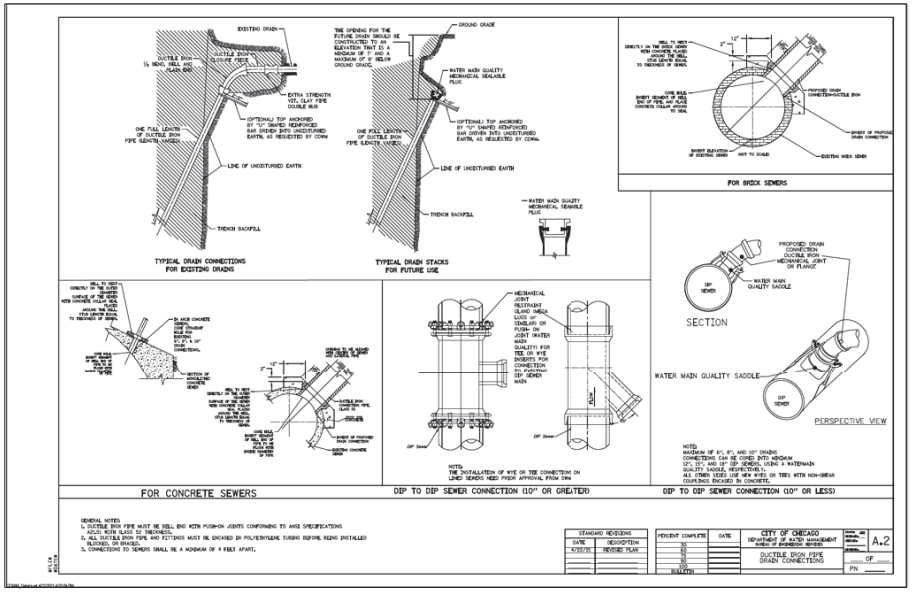
SCALE: NTS | SHEET STD-21 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

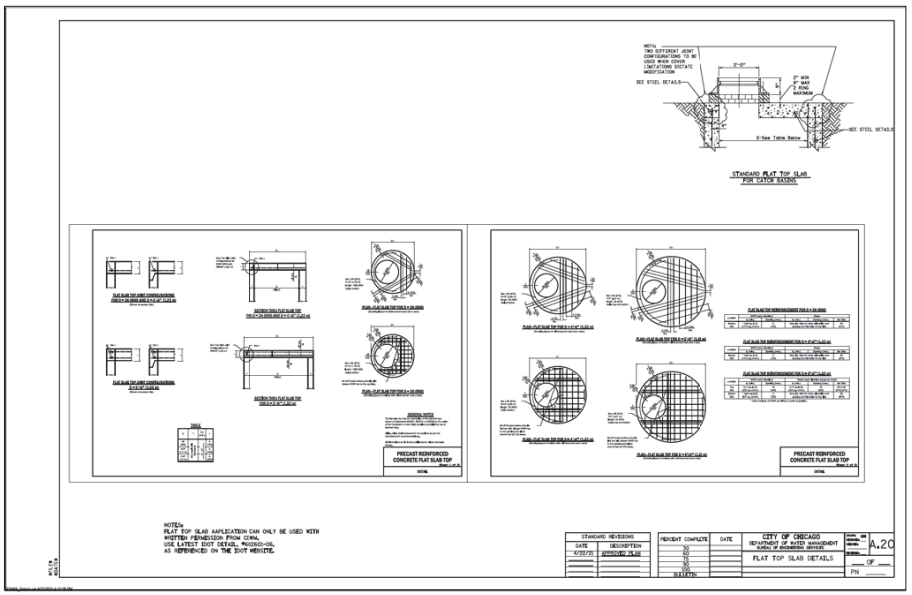
DRAWING NO. STD-21

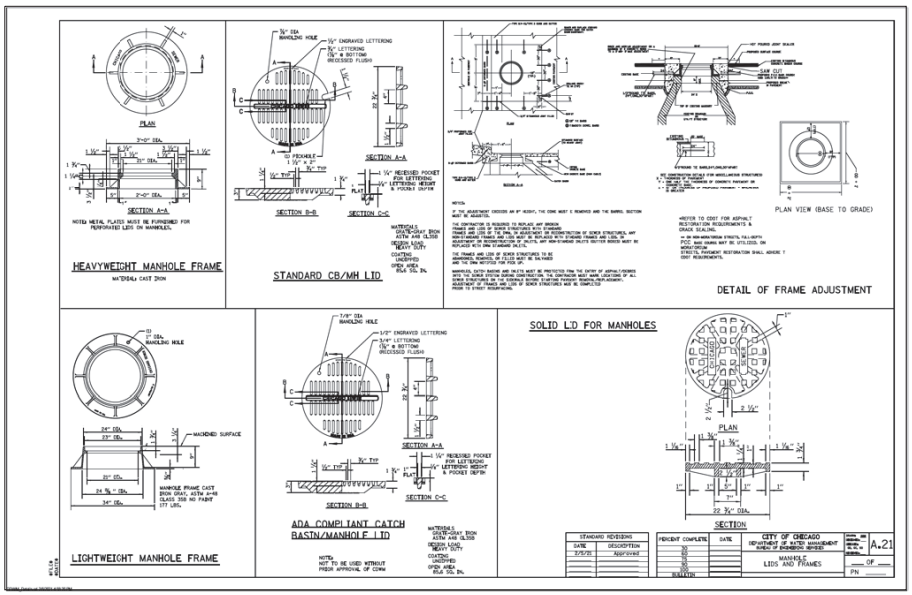
SHEET NO. 200 OF 207

MODEL: Default
PLOT DATE = 8/11/2022









DESIGNED -				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	CDWM STANDARD DETAILS				DRAWING NO. STD–22
DRAWN -											SHEET NO. 201 OF 207
CHECKED -							SCALE: NTS	SHEET STD-22 OF STD-28 SHEETS	PROJECT NO. S-0-447	CONTRACT NO. 32250	
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1							

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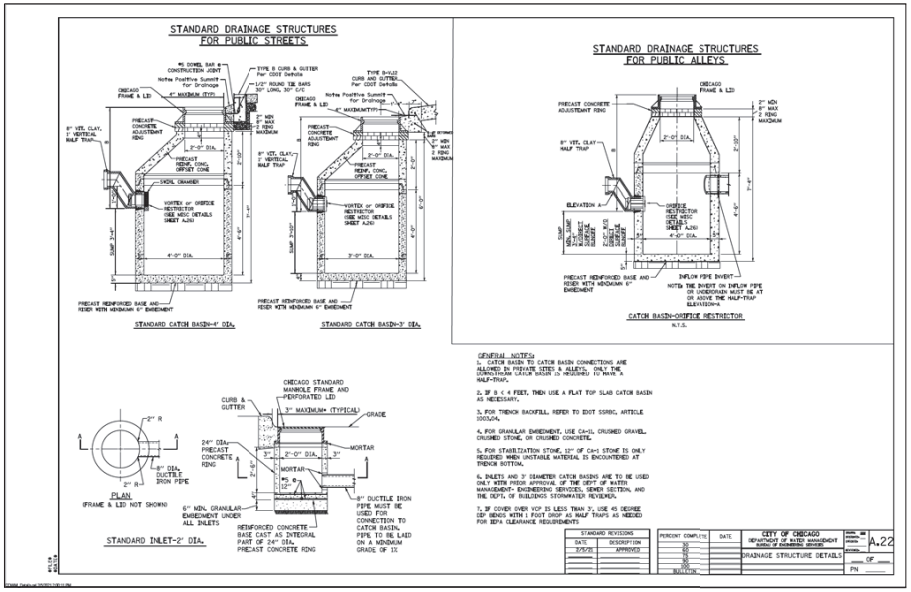
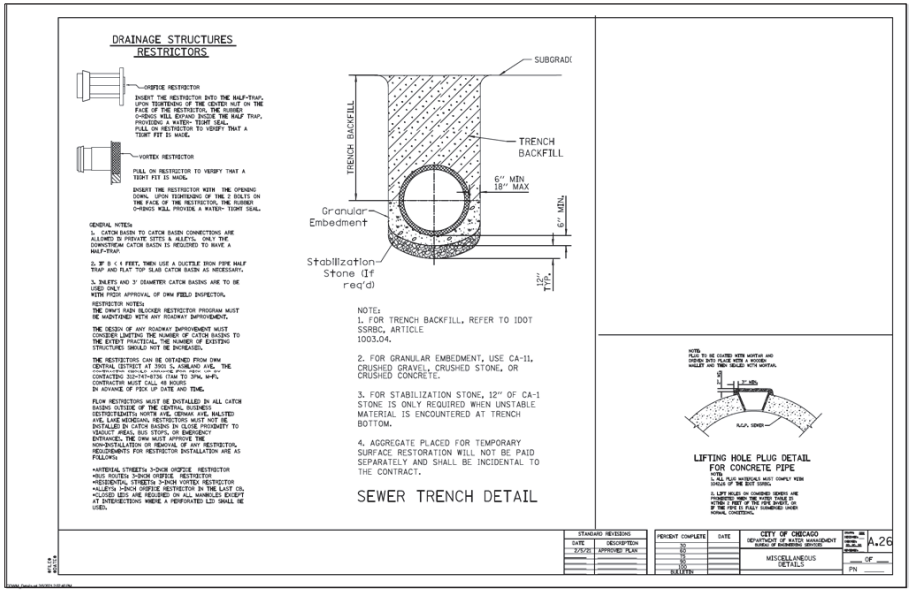
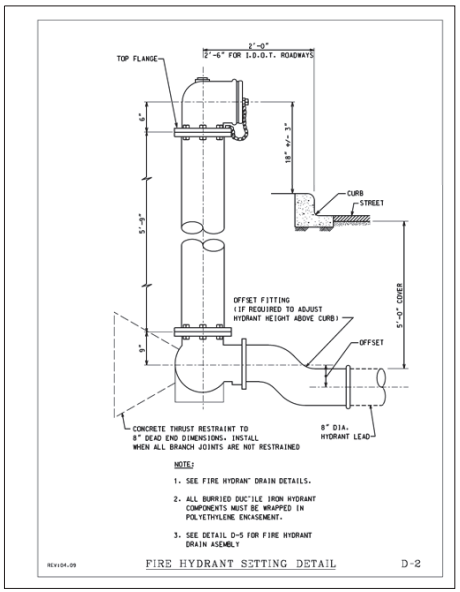
PLOT DATE = 8/11/2022







DESIGNED -				benesch Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT
DRAWN -					
CHECKED -					
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION		

S COMMERCIAL AVE IMPROVEMENTS SECTION 1	CDWM STANDARD DETAILS		DRAWING NO. STD-23
	SCALE: NTS	SHEET STD-23 OF STD-28 SHEETS PROJECT NO. S-0-447 CONTRACT NO. 32250	SHEET NO. 202 OF 207

MODEL: Default
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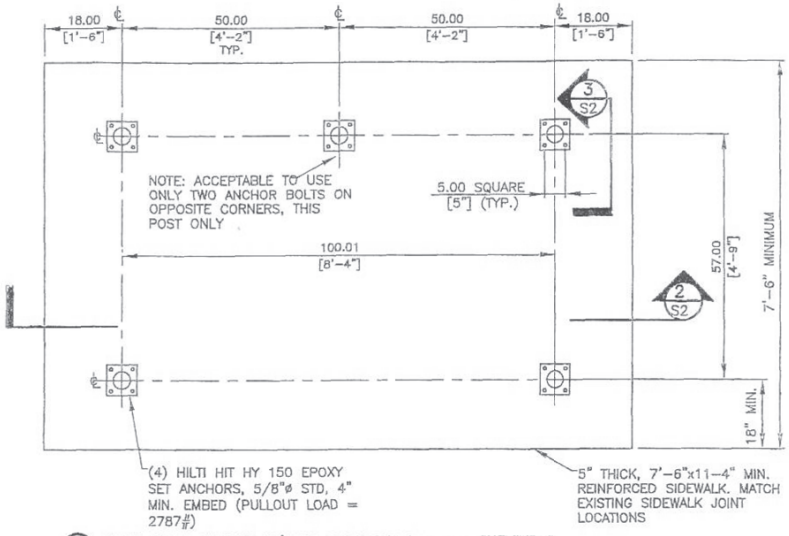
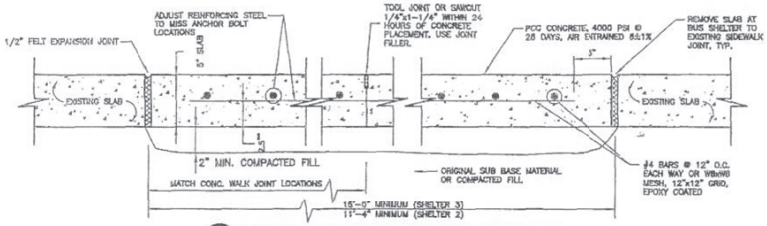
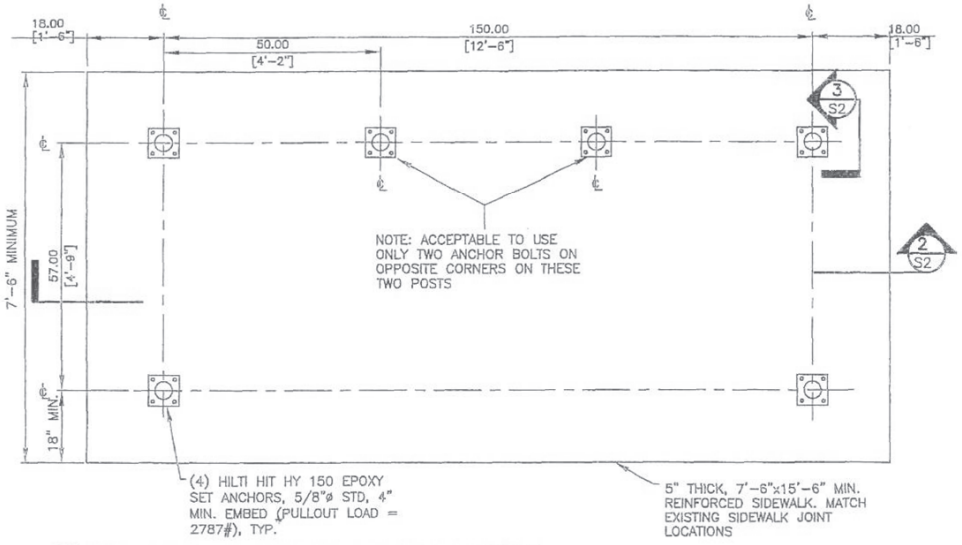
PLOT DATE = 8/11/2022



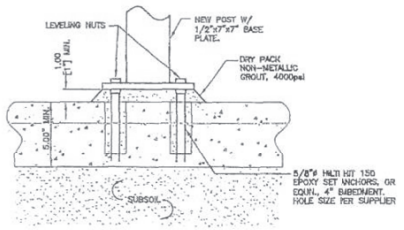
1/S2 DETAIL OF PLAN VIEW W/POST LOCATIONS FOR BUS SHELTER 2
SCALE: 1"=1'



2/S2 SECTION THRU NEW FOUNDATION AT BUS SHELTER
SCALE: 3"=1'
NOTE: ANCHOR BOLT PLACEMENT AS SHOWN IN DETAIL 3 ON SHEET S2.



4/S2 DETAIL OF PLAN VIEW W/POST LOCATIONS FOR BUS SHELTER 3
SCALE: 1"=1'



3/S2 SECTION THRU NEW SLAB
SCALE: 3"=1'

NOTE:
ELECTRICAL FEED TO BUS SHELTERS TO ENTER THROUGH BACK CORNER POST, ONE SIDE OR THE OTHER. ELECTRICAL FEED TO C.I.P.'S IDENTICAL. PROVIDE ELECTRICAL CONDUIT IN FORMWORK BEFORE PLACING CONCRETE.

NOTE:
SCALE NOT APPLICABLE ON REDUCED SIZE DRAWINGS

REDUCED

CITY OF CHICAGO
BUS SHELTER 2&3 FOUNDATION
FOUNDATION DETAILS & SECTIONS
NEW SLAB ON GRADE CONDITION

DESCRIPTION	DATE	BY
REVISED PER JD DECAUX	1/20/22	HNS
ISSUED FOR CONSTRUCTION	8/26/22	HNS
1		

DRAWN BY: HNS DATE: 1/20/22
CHECKED BY: SJC DATE: 1/20/22
APPROVED BY: SJM DATE: 1/20/22
CADFILE: S:\PROJECTS\32248\Drawings\32248-SD03.dwg

JCDecaux
1 Cedar Lane Englewood, NJ 07631

STS Consultants Ltd.
Consulting Engineers

STS PROJECT NUMBER: 32806
STS PROJECT FILE: STS-JCD3.dwg
SCALE: AS SHOWN
SHEET NUMBER: S2

DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

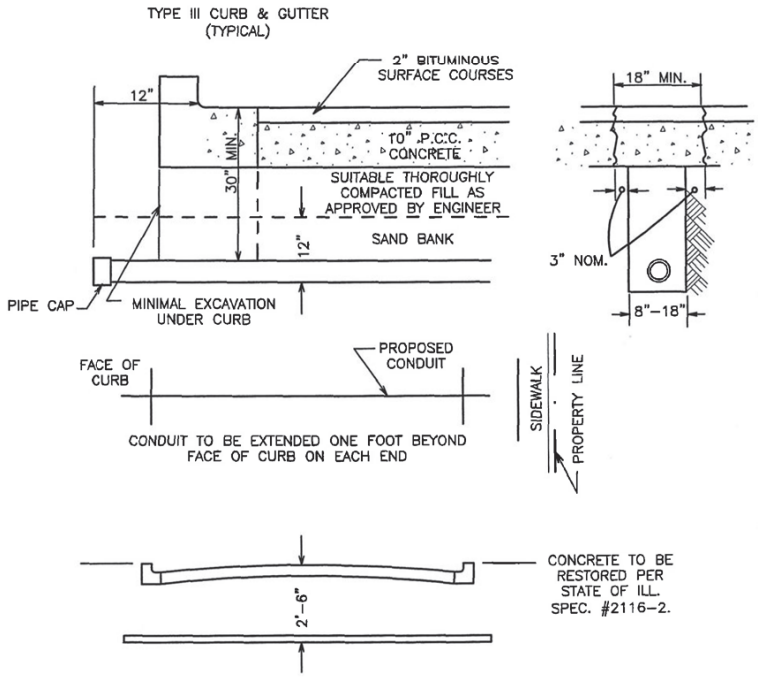
CIVIL DETAILS

SCALE: NTS | SHEET STD-24 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. STD-24
SHEET NO. 203 OF 207

MODEL: Default
FILE NAME: S:\Projects\Projects_Active\Benesch\Documents\10800s\10812.001\Engineering\Drawings\Section 1\ARC-10812-S1-Civil-Details-01.dgn
PLOT DATE = 8/11/2022

CONDUIT INSTALLATION UNDER PAVED STREET



# OF FEET TO POWER SOURCE FROM STREET FURNITURE			
MIN. WIRE SIZE	THHN/THWN OR BOE COPPER CONDUCTORS		BREAKER SIZE AT STREET LIGHTING CONTROLLER
100' OR LESS	#12 AWG	1" CONDUIT	30A 1 POLE*
100'–200'	#10 AWG	1" CONDUIT	30A 1 POLE*
200'–300'	#8 AWG	1" CONDUIT	50A 1 POLE*
300'–500'	#6 AWG	1" CONDUIT	50A 1 POLE*
500'–800'	#4 AWG	1" CONDUIT	70A 1 POLE*

B

* IF MORE THAN ONE SHELTER IS BEING POWERED, USE 70A 1 POLE BREAKER TAG ALL CABLE "JCDECAUX BUS SHELTER" RACK ALL CABLE IN BOE MANHOLE

DATE	ECN #	DESCRIPTION	APPD	BY	REV
12–19–02	N/A	PER BUREAU OF ELECTRICITY/JCD REQUEST	MP	JU	B
8–8–02	N/A	INITIAL RELEASE	RM	JU	A

REVISION HISTORY

UNLESS OTHERWISE SPECIFIED

TOLERANCES:
X.XX ±.02 [X.X ±.5]
X.XXX ±.010 [X.XX ±0.25]
X/XX ±1/64

GEO. TOL. // .010 ⌀.010 .010
ANGLES ±1/2°
THIRD ANGLE PROJ

–DIMENSIONS ARE IN INCHES [MM].
–BREAK MACHINED CORNERS .02 MAX.
–REMOVE ALL BURRS & FEATHERED EDGES.
–DIMENSIONS AND TOLERANCES APPLY AFTER FINISH.
–SURFACE TEXTURE TO BE 63 √.
–WORKMANSHIP SHALL BE OF THE BEST COMMERCIAL QUALITY.
–DENOTES CHANGES △.

JCDecaux USA
1 CEDAR LANE ENGLEWOOD, NJ 07631

DESCRIPTION:
INSTALLATION METHOD OF INSTALLING CONDUIT UNDER PAVED ROADWAY

APPD BY: RON ULLMANN	DWN BY: RANDY ALBANO	MATERIAL: N/A	DRAWING # 6002–813	REV B
APPD DATE: 8/8/02	DRW DATE: 8/8/02	FINISH: N/A	SCALE N.T.S.	WEIGHT N/A lbs
FAMILY: 6002 JCD STD FLAT	SIZE: B			SHEET 1 OF 1

CAD FILE	CAD PDM REV	CAD VER	DWG VER	RELEASE LEVEL	"PRODUCTION" RELEASE LEVEL IS OFFICIAL JCD DOCUMENT. ANY OTHER RELEASE LEVEL IS UNOFFICIAL
60023806	N/A	N/A	N/A	Production	

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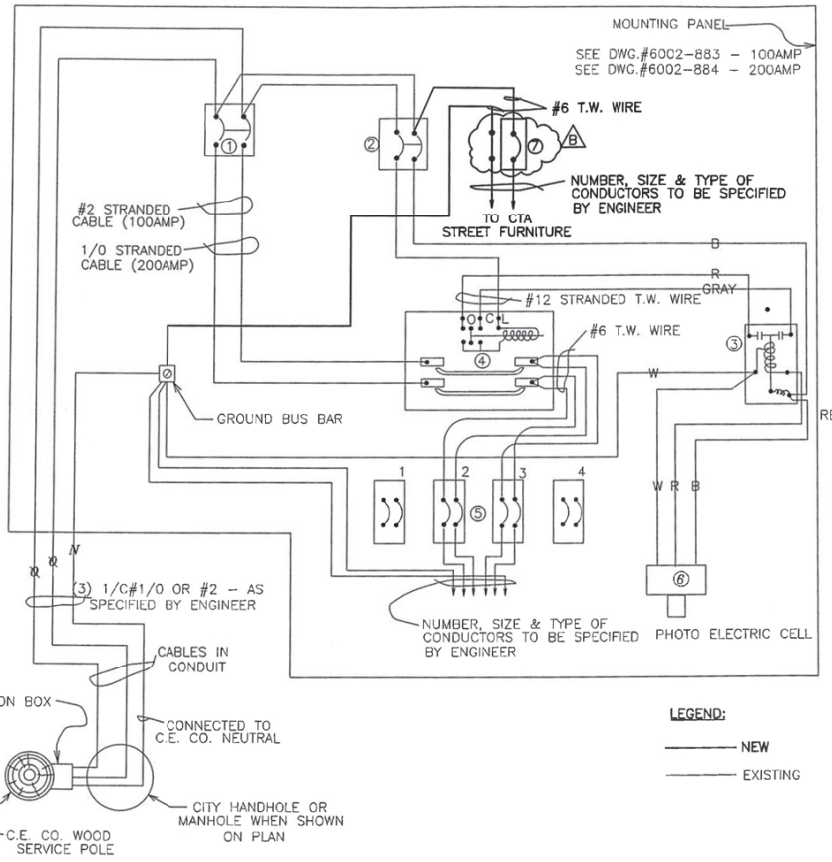
DESIGNED -				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	CIVIL DETAILS	DRAWING NO. STD–25
DRAWN -				Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1				
CHECKED -								SHEET NO. 204 OF 207
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SCALE: NTS / SHEET STD-25 OF STD-28 SHEETS / PROJECT NO. S-0-447 / CONTRACT NO. 32250	

PLOT DATE = 8/11/2022



1. CIRCUIT BREAKER- 2 POLE, 100A OR 200A "FBD" FRAME(WE.CO.)

2. MANUAL STARTER- 2 POLE 5.3A. THERMAL OVERLOAD SQUARE D CLASS 2510, TYPE FO-2

3. RELAY (POTTER BRUMFIELD PRD 5AYO-120)

4. REMOTE CONTROL SWITCH - 2 POLE,100A OR 200A 240V A.C. COIL (AUTOMATIC SWITCH CO.)

5. BRANCH CIRCUIT BREAKER - 2 POLE, 50A OR 70A. "EHD" FRAME. (WE. CO.)

6. PHOTO ELECTRIC CELL (FISHER PIERCE "NIGHTLIGHTER" MODEL FA105, 1000 WATT.)

B 7. BRANCH CIRCUIT BREAKER- 1 POLE ,30A, 50A OR 70A "EHD" FRAME. (WE. CO. OR CUTTLER HAMMER)

SEE DWG. #6002-876 FOR CABINET ASSEMBLY (100AMP)

SEE DWG. #6002-880 FOR CABINET ASSEMBLY (200AMP)

NOTES:

1. MOUNT PHOTOCELL ON BOTTOM OF CABINET AT RIGHT SIDE. BOTTOM OF PHOTOCELL TO BE FLUSH OR SLIGHTLY ABOVE OUTSIDE EDGE OF CABINET.

2. GROUND BUS TO BE MOUNTED ON LEFT SIDE WALL OF CABINET (SEE DETAIL DWG.#6002-883 AND 6002-884.)

3. SEE DWG# 6002-883 FOR DETAIL OF MOUNTING PANEL. (100AMP)

4. SEE DWG.# 6002-884 FOR DETAIL OF MOUNTING PANEL. (200AMP)

DATE	ECN #	DESCRIPTION	APPD	BY	REV
12-19-02	N/A	PER BUREAU OF ELECTRICITY/JCD REQUEST	MP	JU	B
8-8-02	N/A	INITIAL RELEASE	RM	JU	A

REVISION HISTORY

UNLESS OTHERWISE SPECIFIED

TOLERANCES:
X.XX ±.02 [X.X ±.5]
X.XXX ±.010 [X.XX ±0.25]
X/XX ±1/64

GEO. TOL. .010 ⌀.010 .010
ANGLES ±1/2°
THIRD ANGLE PROJ

-DIMENSIONS ARE IN INCHES [MM].
-BREAK MACHINED CORNERS .02 MAX.
-REMOVE ALL BURRS & FEATHERED EDGES.
-DIMENSIONS AND TOLERANCES APPLY AFTER FINISH.
-SURFACE TEXTURE TO BE 63 ▽.
-WORKMANSHIP SHALL BE OF THE BEST COMMERCIAL QUALITY.
-DENOTES CHANGES △.

JCDecaux USA
1 CEDAR LANE ENGLEWOOD, NJ 07631

DESCRIPTION:
100/200 AMP SINGLE PHASE 240V STREET LIGHT CONTROLLER WITH PHOTO CELL (120V)

APPD BY: RON ULLMANN	DWN BY: RANDY ALBANO
APPD DATE: 8/8/02	DRW DATE: 8/8/02

MATERIAL:	DRAWING #	REV
N/A	6002-862	B
FINISH: N/A	SCALE N.T.S. / WEIGHT N/A lbs / SHEET 1 OF 1	

FAMILY: 6002 JCD STD FLAT | SIZE: B

CAD FILE	CAD PDM REV	CAD VER	DWG VER	RELEASE LEVEL	"PRODUCTION" RELEASE LEVEL IS OFFICIAL JCD DOCUMENT. ANY OTHER RELEASE LEVEL IS UNOFFICIAL
60023806	N/A	N/A	N/A	Production	

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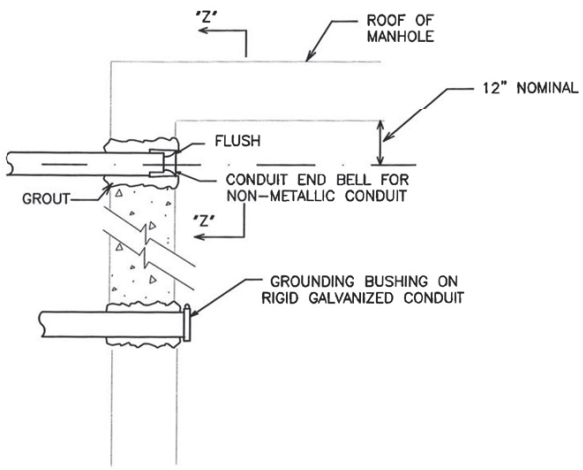
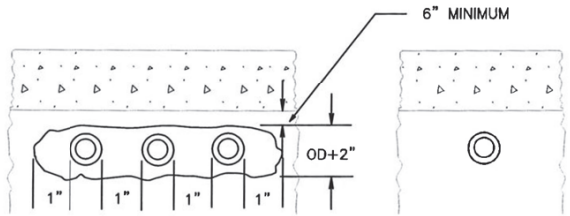
DESIGNED -				benesch	CITY OF CHICAGO DEPARTMENT OF TRANSPORTATION DIVISION OF PROJECT DEVELOPMENT	S COMMERCIAL AVE IMPROVEMENTS SECTION 1	CIVIL DETAILS	DRAWING NO. STD-26
DRAWN -				Allied Benesch & Company 35 W Wacker Drive, Suite 3300 Chicago, Illinois 60601 312-565-0450 Job No. 10812 S1				
CHECKED -								SHEET NO. 205 OF 207
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION				SCALE: NTS / SHEET STD-26 OF STD-28 SHEETS / PROJECT NO. S-0-447 / CONTRACT NO. 32250	

PLOT DATE = 8/11/2022

CONDUIT INSTALLATION THROUGH EXISTING MANHOLE OR HANDHOLE WALL





SECTION Z-Z

OPENING THROUGH WALL TO BE KEPT TO MINIMUM SIZE TO ADMIT CONDUIT AND SUFFICIENT GROUT TO ASSURE SEALING WALL

DATE	ECN #	DESCRIPTION	APPD	BY	REV
8-8-02	N/A	INITIAL RELEASE	RM	JU	A

REVISION HISTORY

UNLESS OTHERWISE SPECIFIED

TOLERANCES:
X.XX ±.02 [X.X ±.5]
X.XXX ±.010 [X.XX ±0.25]
X/XX ±1/64

GEO. TOL. .010
⌀.010
.010

ANGLES ±1/2°

THIRD ANGLE PROJ

- DIMENSIONS ARE IN INCHES [MM].
- BREAK MACHINED CORNERS .02 MAX.
- REMOVE ALL BURRS & FEATHERED EDGES.
- DIMENSIONS AND TOLERANCES APPLY AFTER FINISH.
- SURFACE TEXTURE TO BE 63 µ.
- WORKMANSHIP SHALL BE OF THE BEST COMMERCIAL QUALITY.
- DENOTES CHANGES △.

JCDecaux USA
1 CEDAR LANE ENGLEWOOD, NJ 07631

DESCRIPTION:
INSTALLATION METHOD OF INSTALLING CONDUIT THROUGH MANHOLE WALL

APPD BY:	RON ULLMANN	DWN BY:	RANDY ALBANO
APPD DATE:	8/8/02	DRW DATE:	8/8/02

MATERIAL:	DRAWING #	REV
N/A	6002-814	A
FINISH: N/A	SCALE N.T.S.	WEIGHT N/A lbs
	SHEET 1 OF 1	

FAMILY: 6002 JCD STD FLAT | SIZE: B

CAD FILE	CAD PDM REV	CAD VER	DWG VER	RELEASE LEVEL	"PRODUCTION" RELEASE LEVEL IS OFFICIAL JCD DOCUMENT. ANY OTHER RELEASE LEVEL IS UNOFFICIAL
60023806	N/A	N/A	N/A	Production	

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DESIGNED -			
DRAWN -			
CHECKED -			
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

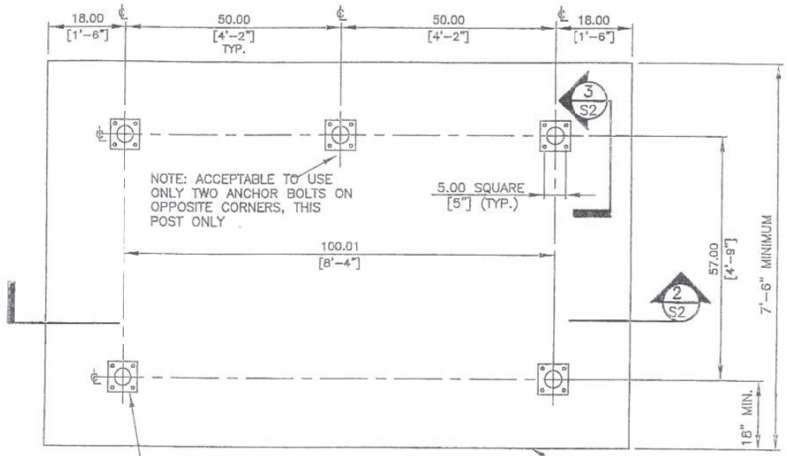
CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

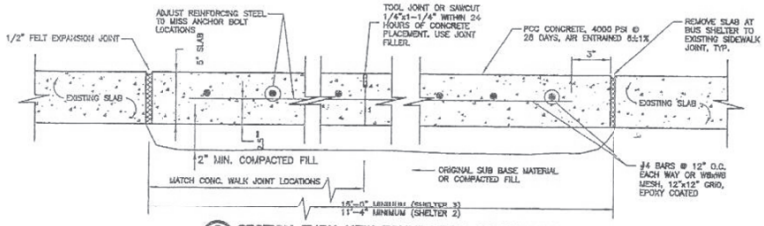
CIVIL DETAILS

SCALE: NTS | SHEET STD-27 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

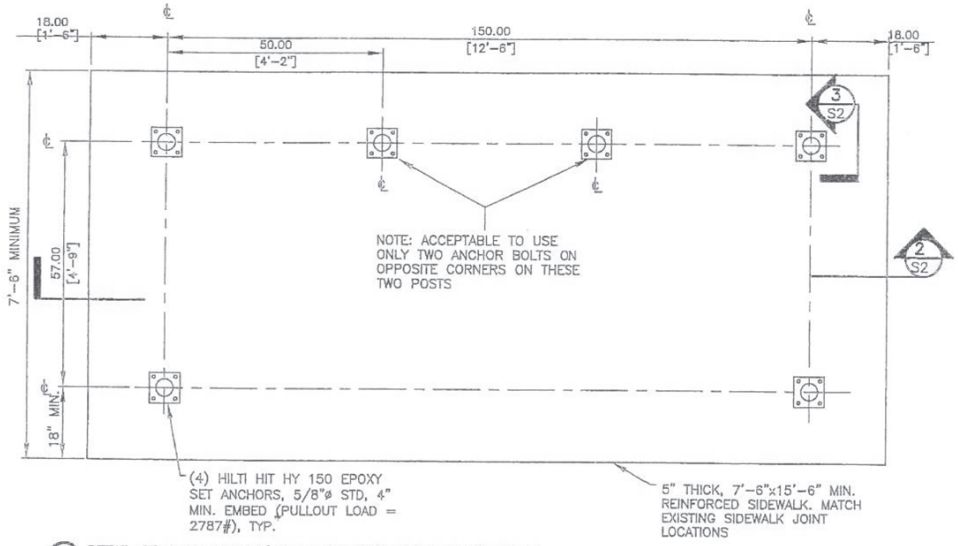
DRAWING NO. STD-27
SHEET NO. 206 OF 207



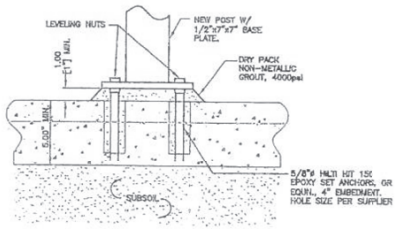
1 S2 **DETAIL OF PLAN VIEW W/POST LOCATIONS FOR BUS SHELTER 2**
SCALE: 1"=1'



2 S2 **SECTION THRU NEW FOUNDATION AT BUS SHELTER**
SCALE: 3"=1'
NOTE: ANCHOR BOLT PLACEMENT AS SHOWN IN DETAIL 3 ON SHEET S2.



4 S2 **DETAIL OF PLAN VIEW W/POST LOCATIONS FOR BUS SHELTER 3**
SCALE: 1"=1'



3 S2 **SECTION THRU NEW SLAB**
SCALE: 3"=1'

NOTE:
ELECTRICAL FEED TO BUS SHELTERS TO ENTER THROUGH BACK CORNER POST, ONE SIDE OR THE OTHER. ELECTRICAL FEED TO C.I.P.'S IDENTICAL. PROVIDE ELECTRICAL CONDUIT IN FORMWORK BEFORE PLACING CONCRETE.

NOTE:
SCALE NOT APPLICABLE ON REDUCED SIZE DRAWINGS

REDUCED

NO.	DESCRIPTION	DATE	BY
1	REVISED PER JP DECAUX	10/26/22	HRS
	ISSUED FOR CONSTRUCTION	8/26/22	HRS

DRAWN BY HRS DATE 1/20/22
CHECKED BY SAE DATE 1/20/22
APPROVED BY SAE DATE 1/20/22
CADFILE S:\...\STD-28.dgn

CITY OF CHICAGO
BUS SHELTER 2&3 FOUNDATION
FOUNDATION DETAILS & SECTIONS
NEW SLAB ON GRADE CONDITION

JCDecaux
1 Cedar Lane Englewood, NJ 07631

STS Consultants Ltd.
Consulting Engineers

STS PROJECT NUMBER 32806
STS PROJECT FILE STS-JCD3.dwg
SCALE AS SHOWN
SHEET NUMBER S2

MODEL: Default
FILE NAME: c:\projects\esc-cpw-benesch-com\benesch\wd\Documents\109890\10812\001\dgn_Docs\Standards\Section 1\ARC-10812-S1-Lastvansection3a.dgn

DESIGNED -				
DRAWN -				
CHECKED -				
DATE - 08-12-2022	REVISED BY	DATE	DESCRIPTION	

PLOT DATE = 8/11/2022

benesch
Allied Benesch & Company
35 W Wacker Drive, Suite 3300
Chicago, Illinois 60601
312-565-0450 Job No. 10812 S1

CITY OF CHICAGO
DEPARTMENT OF TRANSPORTATION
DIVISION OF PROJECT DEVELOPMENT

S COMMERCIAL AVE
IMPROVEMENTS
SECTION 1

CIVIL DETAILS

SCALE: NTS | SHEET STD-28 OF STD-28 SHEETS | PROJECT NO. S-0-447 | CONTRACT NO. 32250

DRAWING NO. **STD-28**
SHEET NO. 207 OF 207