Traffic Signal Improvements Project
Bid # 26-45
ADDENDUM No. 04

October 22, 2026

Any and all changes to the Contract Document are valid only if they are included by written addendum to all potential respondents, which will be mailed, emailed and/or faxed prior to the proposal due date to all who are known to have received a complete bid document. Each respondent must acknowledge receipt of any addenda by indicating on the Bid Form. Each respondent, by acknowledging receipt of any addenda, is responsible for the contents of the addenda and any changes to the bid proposal therein. Failure to acknowledge receipt of any addenda may cause the proposal to be rejected. If any language or figures contained in this addendum are in conflict with the original document, this addendum shall prevail.

This addendum consists of the following:

1. Addendum Number Four (4) is attached and consists of a total of seventy-five (75) pages including this cover sheet.

Please feel free to call (847-866-2910) or email jcooper@cityofevanston.org with any questions or comments.

Sincerely,

Jessica Cooper
Purchasing Specialist

Traffic Signal Improvements Project
Bid # 26-45

ADDENDUM No. 04

October 22, 2026

This Addendum forms a part of the Bid Documents for Bid No. 26-45, Traffic Signal Improvements Project, and modifies the Bid Documents as set forth below. All other provisions of the Bid Documents remain unchanged.

This Addendum consists of the following:

Inquiry from Bidder:

"Sheet 47 of the contract plans includes a detail for a 36-inch by 15-foot traffic signal foundation. However, the corresponding 36-inch foundation pay item does not appear in the Schedule of Prices or the plan quantities. Please clarify how this work is intended to be compensated."

City Response:

Please find attached the revised planset (337-399 on Bid Document) including the changes to the associated pay items. Also, please find attached BLR 12201 in which has the revised Schedule of Prices and the revision of Section 1.1 in order for the contractor to appropriately provide the bid prices on both the forms with the associated changes to the pay items.

On the revised planset, the necessary comments on the schedule of quantities and individual plan sheets provide a clarification to the above question. Where the plans call out for a 36 inch foundation the revised plans have the associated pay item.

The specifications titled: "Concrete Foundations" will cover all of the associated

foundations regardless of depth.

CONCRETE FOUNDATIONS
Effective: May 22, 2002
Revised: March 1, 2024
878.01TS

Add the following to Article 878.03 of the Standard Specifications:

"All anchor bolts shall be according to Article 1006.09, with all anchor bolts hot dipped galvanized a minimum of 12 in. at the threaded end.

Depending on the foundation type, the top of foundation shall be between 1 in. and 6 in. above finished grade or as directed by the Engineer.

No foundation is to be poured until the Resident Engineer gives their approval as to the depth of the foundation."

Add the following to the first paragraph of Article 878.05 of the Standard Specifications:

"The concrete apron in front of the cabinet and UPS shall be included in this pay item."

Revise the first paragraph of Article 878.05 of the Standard Specifications to read:

"Basis of Payment. This work will be paid for at the Contract unit price per foot (meter) of depth of CONCRETE FOUNDATION of the type specified, or CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER for pedestrian post concrete foundations."

Illinois Department of Transportation

Schedule of Prices

Contractor's Name

Contractor's Address | City | State | Zip Code

Local Public Agency | County | Section Number

City of Evanston | Cook | 26-00306-00-TL

Route(s) (Street/Road Name)

Various

Schedule for Multiple Bids

Combination Letter	Section Included in Combinations	Total

Schedule for Single Bid

(For complete information covering these items, see plans and specifications.)

Item Number	Items	Unit	Quantity	Unit Price	Total
1	TREE TRUNK PROTECTION	EACH	15		
2	SUPPLEMENTAL WATERING	UNIT	40		
3	EARTH EXCAVATION	CU YD	889		
4	REMOVAL AND DISPOSAL OF	CU YD	40		
5	TRENCH BACKFILL	CU YD	10		
6	SODDING, SALT TOLERANT	SQ YD	280		
7	INLET FILTERS	EACH	22		
8	SUBBASE GRANULAR MATE	SQ YD	571		
9	PORTLAND CEMENT CONCR	SQ FT	4496		
10	COMBINATION CURB AND G	FOOT	644		
11	SIDEWALK REMOVAL	SQ FT	5463		
12	CONCRETE CURB, TYPE B	FOOT	176		
13	COMBINATION CONCRETE C	FOOT	378		
14	MOBILIZATION	LSUM	1		
15	SIGN PANEL - TYPE 1	SQ FT	91		
16	SIGN PANEL - TYPE 2	SQ FT	23		
17	RELOCATE SIGN PANEL ASS	EACH	1		
18	RELOCATE SIGN PANEL - TY	EACH	45		
19	TELESCOPING STEEL SIGN S	FOOT	15		
20	BASE FOR TELESCOPIING ST	EACH	1		

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Evanston	Cook	26-00306-00-TL	Various

Item Number	Items	Unit	Quantity	Unit Price	Total
21	THERMOPLASTIC PAVEMENT	SQ FT	2		
22	THERMOPLASTIC PAVEMENT	FOOT	1332		
23	THERMOPLASTIC PAVEMENT	FOOT	1317		
24	THERMOPLASTIC PAVEMENT	FOOT	297		
25	PAVEMENT MARKING REMO	SQ FT	2580		
26	UNDERGROUND CONDUIT, G	FOOT	3547		
27	UNDERGROUND CONDUIT, G	FOOT	455		
28	UNDERGROUND CONDUIT, G	FOOT	880		
29	UNDERGROUND CONDUIT, C	FOOT	171		
30	HANDHOLE	EACH	19		
31	DOUBLE HANDHOLE	EACH	5		
32	PAINT NEW TRAFFIC SIGNAL	EACH	15		
33	PAINT NEW MAST ARM AND	EACH	10		
34	TRANSCEIVER	EACH	3		
35	MASTER CONTROLLER	EACH	1		
36	ELECTRIC CABLE IN CONDUI	FOOT	3640		
37	ELECTRIC CABLE IN CONDUI	FOOT	3797		
38	ELECTRIC CABLE IN CONDUI	FOOT	4305		
39	ELECTRIC CABLE IN CONDUI	FOOT	6276		
40	ELECTRIC CABLE IN CONDUI	FOOT	1146		
41	ELECTRIC CABLE IN CONDUI	FOOT	3523		
42	TRAFFIC SIGNAL POST, GAL	EACH	6		
43	TRAFFIC SIGNAL POST, GAL	EACH	9		
44	TRAFFIC SIGNAL POST, GAL	EACH	1		
45	STEEL MAST ARM ASSEMBL	EACH	1		
46	STEEL MAST ARM ASSEMBL	EACH	2		
47	STEEL MAST ARM ASSEMBL	EACH	2		
48	STEEL MAST ARM ASSEMBL	EACH	1		
49	STEEL MAST ARM ASSEMBL	EACH	1		
50	STEEL MAST ARM ASSEMBL	EACH	3		
51	CONCRETE FOUNDATION, A	FOOT	68		
52	CONCRETE FOUNDATION, C	FOOT	16		
53	CONCRETE FOUNDATION, 30	FOOT	47		
54	CONCRETE FOUNDATION, 36	FOOT	90		
55	DRILL EXISTING HANDHOLE	EACH	4		
56	SIGNAL HEAD, LED, 1-FACE,	EACH	20		
57	SIGNAL HEAD, LED, 1-FACE,	EACH	25		

58	PEDESTRIAN SIGNAL HEAD,	EACH	32		
59	TRAFFIC SIGNAL BACKPLAT	EACH	8		
60	TRAFFIC SIGNAL BACKPLAT	EACH	12		
61	DETECTOR LOOP, TYPE I	FOOT	926		
62	LIGHT DETECTOR	EACH	6		
63	LIGHT DETECTOR AMPLIFIER	EACH	5		
64	TEMPORARY TRAFFIC SIGNA	EACH	2		
65	REMOVE EXISTING TRAFFIC	EACH	4		
66	REMOVE EXISTING HANDHO	EACH	12		
67	REMOVE EXISTING DOUBLE	EACH	2		
68	REMOVE EXISTING CONCRE	EACH	19		
69	CONSTRUCTION LAYOUT	L SUM	1		
70	RE-OPTIMIZE TRAFFIC SIGN	EACH	4		
71	TEMPORARY TRAFFIC SIGNA	EACH	2		
72	EMERGENCY VEHICLE PRIO	FOOT	962		
73	SERVICE INSTALLATION, GR	EACH	4		
74	PEDESTRIAN SIGNAL POST,	EACH	6		
75	PEDESTRIAN SIGNAL POST,	EACH	5		
76	TREE TRIMMING	EACH	4		
77	TEMPORARY SIDEWALK	SQ FT	750		
78	DETECTABLE WARNINGS (SP	SQ FT	388		
79	TRAFFIC CONTROL AND PRO	L SUM	1		
80	METHYL METHACRYLATE PA	SQ YD	8		
81	REMOVE EXISTING CONDUIT	FOOT	238		
82	MAINTENANCE OF EXISTING	EACH	4		
83	MAINTENANCE OF TEMPORA	EACH	2		
84	PAINT NEW PEDESTRIAN PU	EACH	11		
85	FULL-ACTUATED CONTROLL	EACH	3		
86	UNINTERRUPTABLE POWER	EACH	4		
87	FIBER OPTIC CABLE IN CON	FOOT	4711		
88	ACCESSIBLE PEDESTRIAN SI	EACH	32		
89	CONCRETE FOUNDATION, T	FOOT	44		
90	REMOVE EXISTING TEMPOR	EACH	1		
91	REMOVE EXISTING TRAFFIC	EACH	3		
92	EXPLORATORY EXCAVATION	FOOT	60		
93	CURB AND GUTTER (SPECIA	FOOT	167		
94	CLASS D PATCHES, SPECIAL	SQ YD	160		
95	REMOVE EXISTING CONCRE	EACH	1		

Local Public Agency	County	Section Number	Route(s) (Street/Road Name)
City of Evanston	Cook	26-00306-00-TL	Various

96	PAINT NEW TRAFFIC SIGNAL	EACH	4		
				Bidder's Total Proposal	

1. Each pay item should have a unit price and a total price.
2. If no total price is shown or if there is a discrepancy between the product of the unit price multiplied by the quantity, the unit price shall govern.
3. If a unit price is omitted, the total price will be divided by the quantity in order to establish a unit price.
4. A bid may be declared unacceptable if neither a unit price or total price is shown.

Note: Instructions should not be included when the form is submit.

This form is used when a Local Public Agency desires to solicit bids for a project.

This form shall be included in all formal contract proposals for bidding purposes. This includes both maintenance and construction projects. Refer to Chapter 12 of the Bureau of Local Roads and Streets Manual for more information. Specifications must be included in the proposal packet, along with plans. For signature requirements refer to Chapter 2, Section 3.05(b) of the BLRS Manual.

Proposal Submitted By:

Contractor's Name (to be completed by Bidder)	Contractor will insert their name when submitting a proposal packet for bid.
Contractor's Address (to be completed by Bidder)	Contractor will insert legal address when submitting a proposal packet for bid.
Local Public Agency	Insert the name of the Local Public Agency (LPA) soliciting bids for the project.
County	Insert the name of the County in which the LPA is located.
Section Number	Insert the section number assigned to this project without dashes.
Route(s) (Street/Road Name)	Insert the name of the street or route on which the project is located. For projects that include several streets or routes, insert various.

Schedule for Multiple Bids

Combination Letter	Insert the letter identifying the combination bids.
Schedule Included in Combinations	Insert the schedules of the bids included in the combination.
Total	Insert the total amount of the combination bid for the sections listed to the left.
Button Functionality 	Use the Add Row (+) and/or Remove Row (-) buttons located at the beginning of each line/row to either add a row directly below the row that the Add (+) button is clicked on or remove the actual row that the Remove (-) button is clicked on.

Schedule for Single Bid

Item No.	Insert the item number of the item being bid.
Item(s)	Insert the name of the item being bid.
Delivery	Insert the delivery type for the item listed to the left.
Unit	Insert the unit of measure for the item listed to the left.
Quantity	Insert the quantity for the item listed to the left.
Unit Price	The bidder shall insert the unit price for the item listed to the left.
Total	The bidder shall insert the total, which is quantity times the unit price. If the form is being filled out electronically, this field will automatically calculate the total.
Button Functionality 	Use the Add Row (+) and/or Remove Row (-) buttons located at the beginning of each line/row to either add a row directly below the row that the Add (+) button is clicked on or remove the actual row that the Remove (-) button is clicked on.
Bidder's Total Proposal	If completing electronically, this will be automatically completed. If completing by hand, insert the sum of all items above.

Distribution

This form is to be inserted into a formal contract proposal, distribution will be the same as the proposal. When the bidder submits their bid, this form must be completed and included.

1.11 UNIT PRICING LIST

The undersigned submits the following UNIT PRICING LIST to be performed as shown on the Plans and/or described in the Specifications, and agrees that items of work not specifically mentioned in the Schedule which are necessary and required to complete the work intended shall be done incidental to and as part of the work for which a unit price is given, and understands that no additional payment will be made for such incidental work from the estimated quantities shown below. Unit prices for individual line items shall be used for the project's schedule of values, pay applications, and will also be used to determine the amount to ADD TO or DEDUCT FROM the contract LUMP SUM PRICE for properly authorized additional or deducted work. In the event of a change to the contract, the contractor shall be limited to markup percentages as indicated in Section 01028, 1.05, A. Bidders shall examine plans and determine actual work items and quantities for the work involved for bid analysis by the Owner.

Item	Description	Unit	Base Bid Quantity	Add Cost *	Deduct Cost **
1	TREE TRUNK PROTECTION	EACH	15		
2	SUPPLEMENTAL WATERING	UNIT	40		
3	EARTH EXCAVATION	CU YD	889		
4	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	40		
5	TRENCH BACKFILL	CU YD	10		
6	SODDING, SALT TOLERANT	SQ YD	280		
7	INLET FILTERS	EACH	22		
8	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	571		
9	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	4496		
10	COMBINATION CURB AND GUTTER REMOVAL	FOOT	644		
11	SIDEWALK REMOVAL	SQ FT	5463		
12	CONCRETE CURB, TYPE B	FOOT	176		
13	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	378		
14	MOBILIZATION	LSUM	1		
15	SIGN PANEL - TYPE 1	SQ FT	91		
16	SIGN PANEL - TYPE 2	SQ FT	23		
17	RELOCATE SIGN PANEL ASSEMBLY	EACH	1		
18	RELOCATE SIGN PANEL - TYPE	EACH	45		
19	TELESCOPING STEEL SIGN SUPPORT	FOOT	15		
20	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	1		
21	THERMOPLASTIC PAVEMENT MARKING	SQ FT	2		
22	THERMOPLASTIC PAVEMENT MARKING	FOOT	1332		

23	THERMOPLASTIC PAVEMENT MARKING	FOOT	1317		
24	THERMOPLASTIC PAVEMENT MARKING	FOOT	297		
25	PAVEMENT MARKING REMOVAL	SQ FT	2580		
26	UNDERGROUND CONDUIT, GALVANIZED	FOOT	3547		
27	UNDERGROUND CONDUIT, GALVANIZED	FOOT	455		
28	UNDERGROUND CONDUIT, GALVANIZED	FOOT	880		
29	UNDERGROUND CONDUIT, PVC	FOOT	171		
30	HANDHOLE	EACH	19		
31	DOUBLE HANDHOLE	EACH	5		
32	PAINT NEW TRAFFIC SIGNAL	EACH	15		
33	PAINT NEW MAST ARM AND POLE	EACH	10		
34	TRANSCEIVER	EACH	3		
35	MASTER CONTROLLER	EACH	1		
36	ELECTRIC CABLE IN CONDUIT	FOOT	3640		
37	ELECTRIC CABLE IN CONDUIT	FOOT	3797		
38	ELECTRIC CABLE IN CONDUIT	FOOT	4305		
39	ELECTRIC CABLE IN CONDUIT	FOOT	6276		
40	ELECTRIC CABLE IN CONDUIT	FOOT	1146		
41	ELECTRIC CABLE IN CONDUIT	FOOT	3523		
42	TRAFFIC SIGNAL POST, GALVANIZED	EACH	6		
43	TRAFFIC SIGNAL POST, GALVANIZED	EACH	9		
44	TRAFFIC SIGNAL POST, GALVANIZED	EACH	1		
45	STEEL MAST ARM ASSEMBLY	EACH	1		
46	STEEL MAST ARM ASSEMBLY	EACH	2		
47	STEEL MAST ARM ASSEMBLY	EACH	2		
48	STEEL MAST ARM ASSEMBLY	EACH	1		
49	STEEL MAST ARM ASSEMBLY	EACH	1		
50	STEEL MAST ARM ASSEMBLY	EACH	3		
51	CONCRETE FOUNDATION, TYPE A	FOOT	68		
52	CONCRETE FOUNDATION, TYPE C	FOOT	16		
53	CONCRETE FOUNDATION, 30INCH	FOOT	47		
54	CONCRETE FOUNDATION, 36INCH	FOOT	90		
55	DRILL EXISTING HANDHOLE	EACH	4		
56	SIGNAL HEAD, LED, 1-FACE	EACH	20		
57	SIGNAL HEAD, LED, 1-FACE	EACH	25		
58	PEDESTRIAN SIGNAL HEAD	EACH	32		
59	TRAFFIC SIGNAL BACKPLATE	EACH	8		
60	TRAFFIC SIGNAL BACKPLATE	EACH	12		
61	DETECTOR LOOP, TYPE I	FOOT	926		
62	LIGHT DETECTOR	EACH	6		
63	LIGHT DETECTOR AMPLIFIER	EACH	5		
64	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		
65	REMOVE EXISTING TRAFFIC SIGNAL	EACH	4		
66	REMOVE EXISTING HANDHOLE	EACH	12		

67	REMOVE EXISTING DOUBLE HANDHOLE	EACH	2		
68	REMOVE EXISTING CONCRETE FOUNDATION	EACH	19		
69	CONSTRUCTION LAYOUT	LSUM	1		
70	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM	EACH	4		
71	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		
72	EMERGENCY VEHICLE PRIORITY SYSTEM	FOOT	962		
73	SERVICE INSTALLATION, GROUND MOUNTED	EACH	4		
74	PEDESTRIAN SIGNAL POST	EACH	6		
75	PEDESTRIAN SIGNAL POST	EACH	5		
76	TREE TRIMMING	EACH	4		
77	TEMPORARY SIDEWALK	SQ FT	750		
78	DETECTABLE WARNINGS (SPECIAL)	SQ FT	388		
79	TRAFFIC CONTROL AND PROTECTION	LSUM	1		
80	METHYL METHACRYLATE PAVEMENT MARKING	SQ YD	8		
81	REMOVE EXISTING CONDUIT	FOOT	238		
82	MAINTENANCE OF EXISTING TRAFFIC SIGNAL INSTALLATION	EACH	4		
83	MAINTENANCE OF TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	2		
84	PAINT NEW PEDESTRIAN PUSH BUTTON POST	EACH	11		
85	FULL-ACTUATED CONTROLLER	EACH	3		
86	UNINTERRUPTABLE POWER SUPPLY	EACH	4		
87	FIBER OPTIC CABLE IN CONDUIT	FOOT	4711		
88	ACCESSIBLE PEDESTRIAN SIGNAL SYSTEM	EACH	32		
89	CONCRETE FOUNDATION, TYPE	FOOT	44		
90	REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL	EACH	1		
91	REMOVE EXISTING TRAFFIC SIGNAL	EACH	3		
92	EXPLORATORY EXCAVATION	FOOT	60		
93	CURB AND GUTTER (SPECIAL)	FOOT	167		
94	CLASS D PATCHES, SPECIAL	SQ YD	160		
95	REMOVE EXISTING CONCRETE FOUNDATION	EACH	1		
96	PAINT NEW TRAFFIC SIGNAL	EACH	4		

* Add costs to be provided by Bidder

** Deduct costs to be provided by Bidder

1.12 BID SECURITY

If required by the bid documents, a scanned copy of the bid bond must be included

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	1
	ILLINOIS	CONTRACT NO.		

CITY OF EVANSTON

PLANS FOR PROPOSED BID SET

TRAFFIC SIGNAL IMPROVEMENT
RIDGE AVENUE AT SIMPSON STREET
RIDGE AVENUE AT NOYES STREET
RIDGE AVENUE AT LINCOLN STREET
CENTRAL STREET AT CENTRAL PARK AVENUE

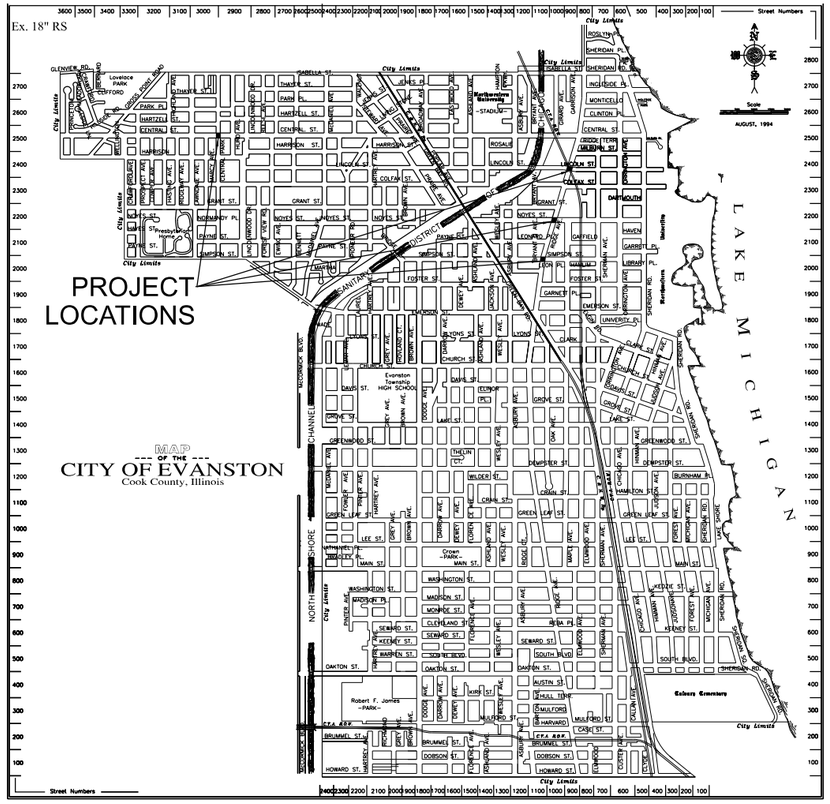


LOCATION OF SECTION INDICATED THUS: -

FOR INDEX OF SHEETS, SEE SHEET NO. 2

REVISIONS

1	10/14/2026	REVISED BASED ON CITY'S ADDENDUM 2 COMMENTS



0 100' 200' 300' — 1"= 100'
0 10' 20' 30' — 1"= 10'
0 50' 100' — 1"= 50'
0 50' 100' — 1"= 40'
0 50' 100' — 1"= 30'
0 50' 100' — 1"= 20'

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.

J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PRIOR TO CONSTRUCTION, THE CONTRACTOR MUST TELEPHONE C.U.A.N. AT (312) 744-7000 FOR UNDERGROUND UTILITY LOCATIONS

PROJECT ENGINEER
PROJECT MANAGER

TERRA ENGINEERING LTD.

CHRISTOPHER B. BURKE ENGINEERING, LTD.
9575 W. Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

1

APPLICABLE TO RIDGE CORRIDOR SHEETS

TYLER P. DeFAVIS 062-089407 LICENSED PROFESSIONAL ENGINEER OF ILLINOIS

DATE SIGNED : 12/22/2025
LIC. EXP. DATE : 11/30/2027

APPLICABLE TO RIDGE CORRIDOR SHEETS

COLIN COAD 062-063250 LICENSED PROFESSIONAL ENGINEER STATE OF ILLINOIS

DATE SIGNED : 12/22/2025
LIC. EXP. DATE : 11/30/2027

APPLICABLE TO CENTRAL STREET SHEETS

062-059500 REGISTERED PROFESSIONAL ENGINEER OF ILLINOIS

EXPIRATION DATE: 11/2027
DATE: 12/17/2025

APPLICABLE TO CENTRAL STREET SHEETS

LICENSED PROFESSIONAL ENGINEER DENJAMIN CHAVEZ 062-063542 STATE OF ILLINOIS

EXPIRATION DATE 11/30/2027
DATE:

CIVIL SHEETS **TRAFFIC SIGNAL SHEETS**

INDEX OF SHEETS

1	COVER SHEET
2	GENERAL NOTES
3-5	SUMMARY OF QUANTITIES
6-7	ALIGNMENT, TIES, AND BENCHMARKS
8-11	REMOVAL PLANS
12-15	PROPOSED PLANS
16-23	ADA PLANS
24-26	SOIL BORINGS
27-34	TRAFFIC SIGNAL DETAILS
35-54	TRAFFIC SIGNAL PLAN
55-64	IDOT HIGHWAY STANDARDS

IDOT HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424006-06	DIAGONAL CURB RAMPS FOR SIDEWALKS
424011-06	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-07	DEPRESSED CORNER FOR SIDEWALKS
442201-04	CLASS C AND D PATCHES
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701501-06	URBAN LANE CLOSURE, 2L, 2W, UNDIVIDED
701701-10	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE
701901-11	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
814001-03	HANDHOLES
814006-03	DOUBLE HANDHOLES
857001-01	STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
862001-01	UNINTERRUPTABLE POWER SUPPLY (UPS)
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
877001-08	STEEL MAST ARM ASSEMBLY AND POLE 16 FT THROUGH 55 FT
878001-11	CONCRETE FOUNDATION DETAILS
880001-01	SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS
886001-01	DETECTOR LOOP INSTALLATIONS
886006-01	TYPICAL LAYOUTS FOR DETECTION LOOPS

GENERAL NOTES

1. SOIL EROSION AND SEDIMENTATION CONTROL PRACTICES AND DEVICES SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF IDOT STANDARD SPECIFICATIONS AND ALL REVISIONS THERETO AND IN ACCORDANCE WITH THE DETAILS ON THE PLANS.

2. THE CONTRACTOR SHALL CONTACT J.U.L.I.E. (1-800-892-0123) 48 HOURS PRIOR TO ANY WORK IN THE RIGHT OF WAY OR EASEMENTS TO LOCATE UTILITIES, AND CONTACT THE OWNER'S REPRESENTATIVE SHOULD PUBLIC UTILITIES APPEAR TO BE IN CONFLICT WITH THE PROPOSED IMPROVEMENTS.

3. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION.

4. THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON CITY PROPERTY WITHOUT WRITTEN PERMISSION FROM THE CITY.

5. THE CONTRACTOR SHALL TAKE CARE TO PROTECT ALL SIGNS ALONG THE ROUTE OF CONSTRUCTION. SIGNS SHALL BE REMOVED IF THEY ARE IN CONFLICT WITH PROPOSED WORK. AND APPROVED BY ENGINEER. THE CONTRACTOR SHALL NOTIFY THE ENGINEER OF ANY EXISTING DAMAGE TO A SIGN PRIOR TO REMOVAL. THE CONTRACTOR SHALL REPLACE ALL SIGNS AND POSTS DAMAGED DURING REMOVAL. THE COST OF ALL MATERIALS REQUIRED AND ALL LABOR NECESSARY TO COMPLY WITH THE RELOCATION OF SIGNS SHALL BE INCLUDED IN THE CONTRACT WITHOUT ANY EXTRA COMPENSATION ALLOWED TO THE CONTRACTOR ACCORDING TO ART. 107.25, UNLESS MARKED ON PLANS.

6. THE THICKNESS OF HMA SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HMA IS PLACED.

7. ALL REFERENCES IN THE HIGHWAY STANDARDS AND STANDARD SPECIFICATIONS FOR REINFORCEMENT, DOWEL BARS, AND TIE BARS IN PAVEMENT, SHOULDERS, CURB, GUTTER, COMBINATION CURB & GUTTER AND MEDIAN, AND CHAIR SUPPORTS FOR CRC PAVEMENT SHALL BE EPOXY COATED UNLESS NOTED ON THE PLANS.

8. THE CONTRACTOR SHALL BE REQUIRED TO PROVIDE ACCESS TO ABUTTING PROPERTY AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT.

9. DO NOT SCALE PLANS FOR CONSTRUCTION DIMENSIONS.

10. THE CONTRACTOR SHALL TAKE EXTRA CARE IN GRADING AND EXCAVATING NEAR TREES WHICH ARE NOT MARKED FOR REMOAL SO AS NOT TO CAUSE INJURY TO THE ROOT SYSTEM OR TRUNKS. ROOTS OF A TREE THAT ARE TO REMAIN IN PLACE EXTENDING INTO THE EXCAVATION AREAS AT AN ELEVATION THAT WOULD INTERFERE WITH ANY PORTION OF THE PLANNED CONSTRUCTION, SHALL BE SEVERED AT A POINT IMMEDIATELY OUTSIDE OF THE EXCAVATION AREA THAT WILL CAUSE THE LEAST AMOUNT OF SYSTEMIC DAMAGE TO THE REMAINING TREE STRUCTURE. ANY DAMAGE DONE TO EXISTING ITEMS BY THE CONTRACTOR SHALL BE REPAIRED BY THE CONTRACTOR AT THE CONTRACTOR'S OWN EXPENSE.

11. PRUNE TREE LIMBS THAT MIGHT BE DAMAGED BY EQUIPMENT OPERATIONS AT LEAST ONE WEEK PRIOR TO THE START OF CONSTRUCTION BY A CERTIFIED ARBORIST. ANY TREE LIMBS THAT ARE BROKEN BY CONSTRUCTION EQUIPMENT AFTER THE INITIAL PRUNING MUST BE PRUNED CORRECTLY WITHIN 72 HOURS.

12. SUPPLEMENTAL WATERING IS SPECIFIED FOR TREES AND SHRUBS THAT WILL BE DISTURBED BY CONSTRUCTION BUT WILL REMAIN. NOTE THAT WATERING SHOULD BEGIN IMMEDIATELY AFTER ROOT PRUNING, TOP PRUNING OR OTHER CONSTRUCTION DISTURBANCE.

13. ALL TREE PROTECTION, TREE REMOVAL, PRUNING, AND ROOT PRUNING SHALL BE COMPLETED BEFORE CONSTRUCTION OPERATIONS COMMENCE IN ANY AREA. AT NO TIME SHALL THE CONTRACTOR PRUNE OR REMOVE ANY TREES UNLESS SPECIFICALLY DIRECTED BY THE ENGINEER.

14. ONLY THOSE TREES DESIGNATED BY THE ENGINEER OR SHOWN IN THE PLANS SHALL BE REMOVED. THE CONTRACTOR SHALL PROTECT ALL REMAINING TREES FROM DAMAGE DUE TO HIS OPERATIONS.

15. THE FINISHED EARTHWORK SHALL HAVE A VEGETATION-SUSTAINING SOIL COVERING THE TOP SIX INCHES IN AREAS TO BE SEEDED OR SODDED. THE VEGETATION-SUSTAINING SOIL REQUIRED WILL BE PAID FOR SEPARATELY AS TOPSOIL FURNISH AND PLACE, 6".

16. ANY EXISTING PAVEMENT MARKINGS IN CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.

17. THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES AND THE CITY OF EVANSTON.

18. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECFICATIONS. MEMBERS OF J.U.L.I.E. KNOWN TO BE WITHIN THE LIMITS OF THE IMPROVEMENT ARE:

    COMMONWEALTH EDISON CO.
    ATTN: PATRICIA RODRIGUEZ
    630-396-8225
    860 OAK CREEK DR
    LOMBARD, IL 60148

    NICOR GAS
    ATTN: KAREY JOHNSON
    224-471-9356

    AT&T
    ATTN: KARI MARTIN
    630-573-5789
    1000 COMMERCE DR FLOOR 1,
    OAK BROOK IL, 60523

    NORTHWESTERN UNIVERSITY
    ATTN: JOSHUA EMANUEL
    312-877-8033

    SEGRA
    ATTN: SAMUEL VOHSEN
    816-814-9768

19. THE EXISTING TRAFFIC SIGNALS AND STREET LIGHTS SHALL REMAIN IN OPERATION DURING THE ENTIRE DURATION OF THE PROJECT UNTIL THE NEW SIGNAL TURN-ON UNLESS TEMPORARY SIGNALS ARE CALLED FOR IN THE PLANS. THE CONTRACTOR SHALL MAKE ANY TEMPORARY ADJUSTMENTS NEEDED TO MAINTAIN THE EXISTING SYSTEM AND TO ALLOW FOR INSTALLATION OF THE NEW SIGNALS. NO ADDITONAL COMPENSATION WILL BE PROVIDED FOR ANY TEMPORARY ADJUSTMENTS AS REQUIRED BY THE ENGINEER.

20. ANY EXISTING WIRES CUT BY THE CONTRACTOR THAT ARE TO REMAIN IN SERVICE UNTIL SUCH TIME THAT THEY ARE TO BE REMOVED OR ABANDONED SHALL BE REPLACED BY THE CONTRACTOR OR REPAIRED TO THE SATISFACTION OF THE ENGINEER. NO ADDITONAL COMPENSATION SHALL BE PROVIDED FOR THIS WORK.

21. THE CONTRACTOR SHALL PROVIDE TEMPORARY ASPHALT FOR USE BY PEDESTRIANS TO MAINTAIN PEDESTRIAN ACCESS AT LOCATIONS DIRECTED BY THE ENGINEER. THE TEMPORARY ASPHALT SHALL BE PLACED ON THE SAME DAY THAT THE EXISTING SIDEWALK IS REMOVED AND SHALL BE REMOVED NO SOONER THAN 24 HOURS PRIOR TO INSTALLATION OF THE NEW SIDEWALK. THE TEMPORARY ASPHALT SHALL BE NO LESS THAN 1" THICK AND SHALL MEET ADA REQUIREMENTS. ANY AGGREGATE NEEDED TO INSTALL THE TEMPORARY ASPHALT SHALL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE TEMPORARY SIDEWALK.

22. THE CONTRACTOR SHALL MARK ALL LOCATIONS OF PROPOSED FACILITIES IN THE FIELD FOR APPROVAL BY THE ENGINEER PRIOR TO BEGINNING ANY EXCAVATION.

23. CONSTRUCTION ACTIVITIES MAY OCCCUR BETWEEN 7:00 AM AND 5:00 PM MONDAY THROUGH FRIDAY. WRITTEN REQUESTS TO WORK OUTSIDE OF THESE HOURS AND ON CITY OF EVANSTON AND STATE OF ILLINOIS RECOGNIZED HOLIDAYS MUST BE SUBMITTED 24 HOURS IN ADVANCE. CONSTRUCTION ACTIVITIES ARE IDENTIFIED AS THE OPERATION OF ANY EQUIPMENT, INCLUDING BUT NOT LIMITED TO THE WARMING UP OF ANY PIECE OF EQUIPMENT OR TURNING ON ENGINES. ANY VIOLATION FOR WORKING HOURS WILL RESULT IN A $500.00 FINE FOR EACH OCCURRENCE.

24. THE CONTRACTOR IS RESPONSIBLE FOR ALL CONSTRUCTION TRAFFIC CONTROL AND LANE CLOSURES. ANY TIME DURING THE PROJECT THAT A DETOUR IS REQUIRED THE CONTRACTOR MUST SUBMIT DETOUR PLANS FOR APPROVAL BY THE CITY. THIS WORK WILL NOT BE PAID SEPARATELY BUT WILL BE INCLUDED IN THE UNIT PRICE OF THE TRAFFIC CONTROL AND PROTECTION PAY ITEM.

MODEL: General Notes [Sheet]
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TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED -		REVISED -
	DRAWN - XEL		REVISED -
	CHECKED - TPD		REVISED -
PLOT DATE = 12/19/2025	DATE -		REVISED -

City of Evanston

INDEX OF SHEETS AND GENERAL NOTES

SCALE: | SHEET 1 OF 1 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	2
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	SIMPSON ST	NOYES ST	LINCOLN ST	INTERCONNECT	CONTINGENCY	CENTRAL ST	TOTAL QUANTITY
20101100	TREE TRUNK PROTECTION	EACH	6	3	1	0	2	3	15
20101700	SUPPLEMENTAL WATERING	UNIT	10	10	10	0	0	10	40
20200100	EARTH EXCAVATION	CU YD	262	233	366	0	18	10	889
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10	10	10	0	0	10	40
20800150	TRENCH BACKFILL	CU YD	0	0	0	0	0	10	10
25200110	SODDING, SALT TOLERANT	SQ YD	120	60	40	0	10	50	280
28000510	INLET FILTERS	EACH	3	3	4	0	4	8	22
31101200	SUBBASE GRANULAR MATERIAL, TYPE B 4"	SQ YD	118	105	164	0	8	176	571
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	1045	925	1460	0	70	996	4496
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	141	133	173	0	30	167	644
44000600	SIDEWALK REMOVAL	SQ FT	1063	929	1570	0	70	1831	5463
60600605	CONCRETE CURB, TYPE B	FOOT	0	0	101	0	10	65	176
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	148	134	76	0	20	0	378
72000100	SIGN PANEL - TYPE 1	SQ FT	27	30	20	0	0	14	91
72000200	SIGN PANEL - TYPE 2	SQ FT	0	0	0	0	0	23	23
72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	0	0	1	0	0	0	1
72400710	RELOCATE SIGN PANEL - TYPE 1	SQ FT	0	0	0	0	0	45	45
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	0	0	15	0	0	0	15
73100100	BASE FOR TELESCOPIING STEEL SIGN SUPPORT	EACH	0	0	1	0	0	0	1
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	0	0	2	0	0	0	2
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	272	346	304	0	20	390	1332
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	272	340	318	0	22	365	1317
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	57	60	80	0	20	80	297
78300202	PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	244	335	760	0	41	1200	2580
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	661	723	559	1443	0	161	3547
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	64	89	229	0	0	73	455
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	201	229	268	0	0	182	880
81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	51	80	40	0	0	0	171
81400100	HANDHOLE	EACH	6	5	5	1	0	2	19
81400300	DOUBLE HANDHOLE	EACH	1	1	1	0	0	2	5
85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	3	1	8	0	0	3	15
85100600	PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2	4	0	0	0	4	10
85900100	TRANSCEIVER	EACH	1	1	1	0	0	0	3
86000100	MASTER CONTROLLER	EACH	0	0	1	0	0	0	1
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	0	0	0	3640	0	0	3640
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	889	1019	959	0	0	930	3797
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	856	1015	1041	0	0	1393	4305

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	CHECKED - TPD	REVISED -
PLOT DATE = 12/17/2025	DATE -	REVISED -

City of Evanston

SUMMARY OF QUANTITIES

SCALE: | SHEET 1 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	3
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

CODE NO.	ITEM	UNIT	SIMPSON ST	NOYES ST	LINCOLN ST	INTERCONNECT	CONTINGENCY	CENTRAL ST	TOTAL QUANTITY
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	856	1015	1041	0	0	1393	4305
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1452	1612	1508	0	0	1704	6276
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	307	382	265	0	0	192	1146
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	868	959	1012	0	0	693	3532
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	0	0	6	0	0	0	6
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2	1	4	0	0	2	9
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1	0	0	0	0	0	1
87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	0	1	0	0	0	0	1
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	0	1	0	0	0	1	2
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1	0	0	0	0	1	2
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	0	1	0	0	0	0	1
87700210	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	0	0	0	0	0	1	1
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	1	0	0	0	1	3
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12	4	40	0	0	12	68
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4	4	0	0	4	16
87800400	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	0	0	0	0	0	47	47
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30	60	0	0	0	0	90
87900200	DRILL EXISTING HANDHOLE	EACH	1	1	2	0	0	0	4
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	8	0	0	0	8	20
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	4	12	0	0	4	25
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8	8	0	0	8	32
88200410	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	0	0	0	0	0	8	8
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	8	4	0	0	0	0	12
88600100	DETECTOR LOOP, TYPE I	FOOT	173	213	540	0	0	0	926
88700200	LIGHT DETECTOR	EACH	2	2	0	0	0	2	6
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2	2	0	0	0	1	5
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	0	1	0	0	0	1	2
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	1	0	0	1	4
89502380	REMOVE EXISTING HANDHOLE	EACH	3	3	3	0	0	3	12
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	0	1	1	0	0	0	2
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5	5	3	0	0	6	19
Z0013798	CONSTRUCTION LAYOUT	L SUM	0.25	0.25	0.25	0	0	0.25	1
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1	1	0	0	1	4
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	0	1	0	0	0	1	2
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	332	223	0	0	0	407	962
X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1	1	0	0	1	4
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2	2	1	0	0	1	6

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TERRA ENGINEERING LTD.

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	CHECKED - TPD	REVISED -
PLOT DATE = 5/1/2026	DATE -	REVISED -

City of Evanston

SUMMARY OF QUANTITIES

SCALE: | SHEET 2 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	4

CONTRACT NO.

ILLINOIS | FED. AID PROJECT

CODE NO.	ITEM	UNIT	SIMPSON ST	NOYES ST	LINCOLN ST	INTERCONNECT	CONTINGENCY	CENTRAL ST	TOTAL QUANTITY
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	0.25	0.25	0.25	0	0	0.25	1
X7800010	METHYL METHACRYLATE PAVEMENT COLORIZATION GREEN	SQ YD	0	0	8	0	0	0	8
X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	0	0	238	0	0	0	238
X8510204	PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	4	4	2	0	0	1	11
X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1	0	0	0	1	3
X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1	1	1	0	0	1	4
X8710200	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM36F	FOOT	1415	2127	1169	0	0	0	4711
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8	8	0	0	8	32
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16	16	8	0	0	4	44
X8900030	REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT	EACH	0	1	0	0	0	0	1
X8950105	REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1	1	1	0	0	0	3
XX005206	EXPLORATORY EXCAVATION	FOOT	15	15	15	0	0	15	60
XX009048	CURB AND GUTTER (SPECIAL)	FOOT	0	0	0	0	0	167	167
XX009224	CLASS D PATCHES, SPECIAL	SQ YD	31	16	22	0	21	70	160
*******	REMOVE EXISTING CONCRETE FOUNDATION	EACH	0	0	0	0	0	1	1
*******	PAINT NEW TRAFFIC SIGNAL CABINET (SPECIAL)	EACH	1	1	1	0	0	1	4

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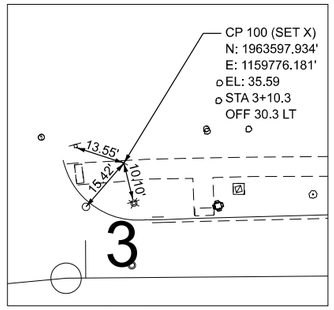
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City of Evanston

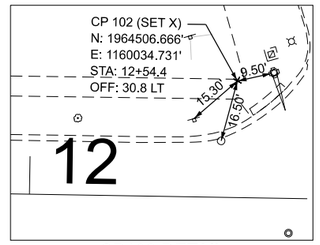
SUMMARY OF QUANTITIES

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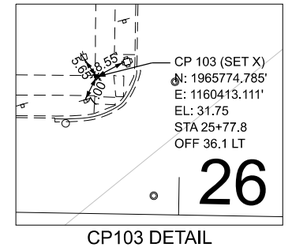
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			64	5
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



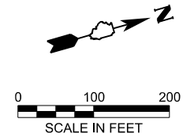
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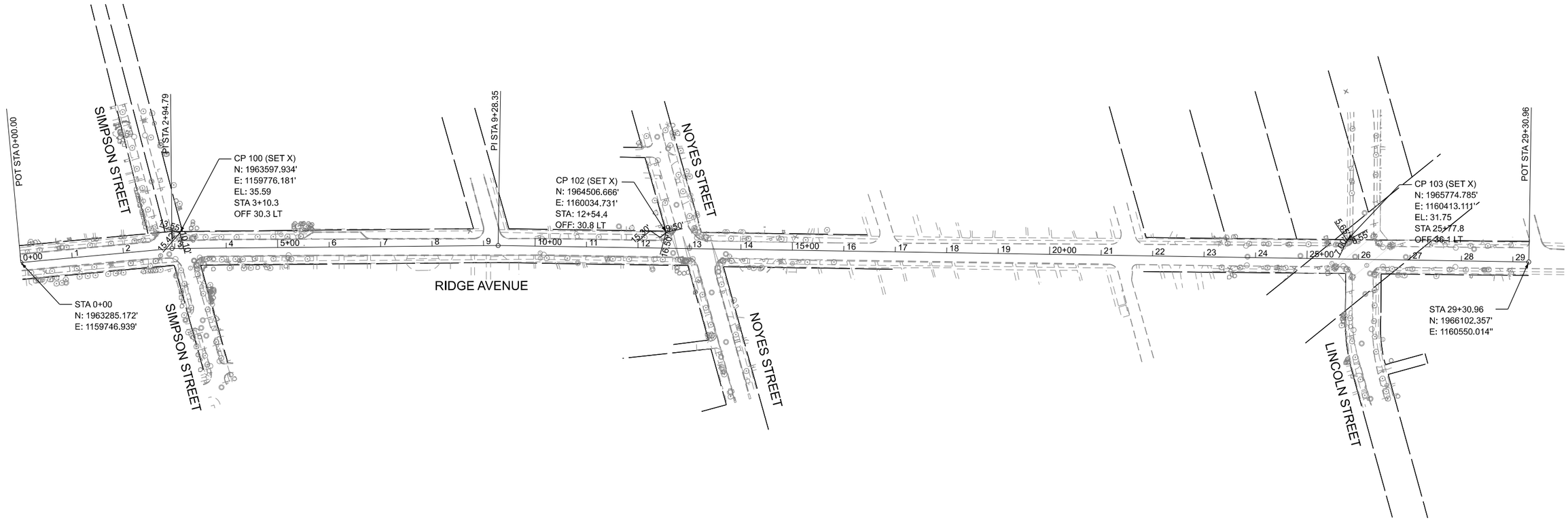


CP102 DETAIL



CP103 DETAIL





NOTES:
1. LOCATIONS OF EXISTING UTILITIES SHOWN HERON ARE THE COMPILATION OF FIELD LOCATIONS AND UTILITY ATLASES
2. UTILITY ATLASES PROVIDED BY THE UTILITY

-CITY OF EVANSTON: SANITARY ATLAS (GIS)
NO DATE ON ATLAS

-CITY OF EVANSTON: STORM ATLAS (GIS)
NO DATE ON ATLAS

-CITY OF EVANSTON: WATER ATLAS (GIS)
NO DATE ON ATLAS

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PLOT DATE = 12/15/2025	DATE -	REVISED -

City of Evanston

ALIGNMENT, TIES AND BENCHMARKS
RIDGE AVENUE

SCALE: 1"=100' | SHEET 1 OF 2 SHEETS | STA. 0+00.00 | TO STA. 30+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	6
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.

SURVEYED
PLOTTED
ALIGNMENT CHECKED
R.O.W. MKD/CHECKED
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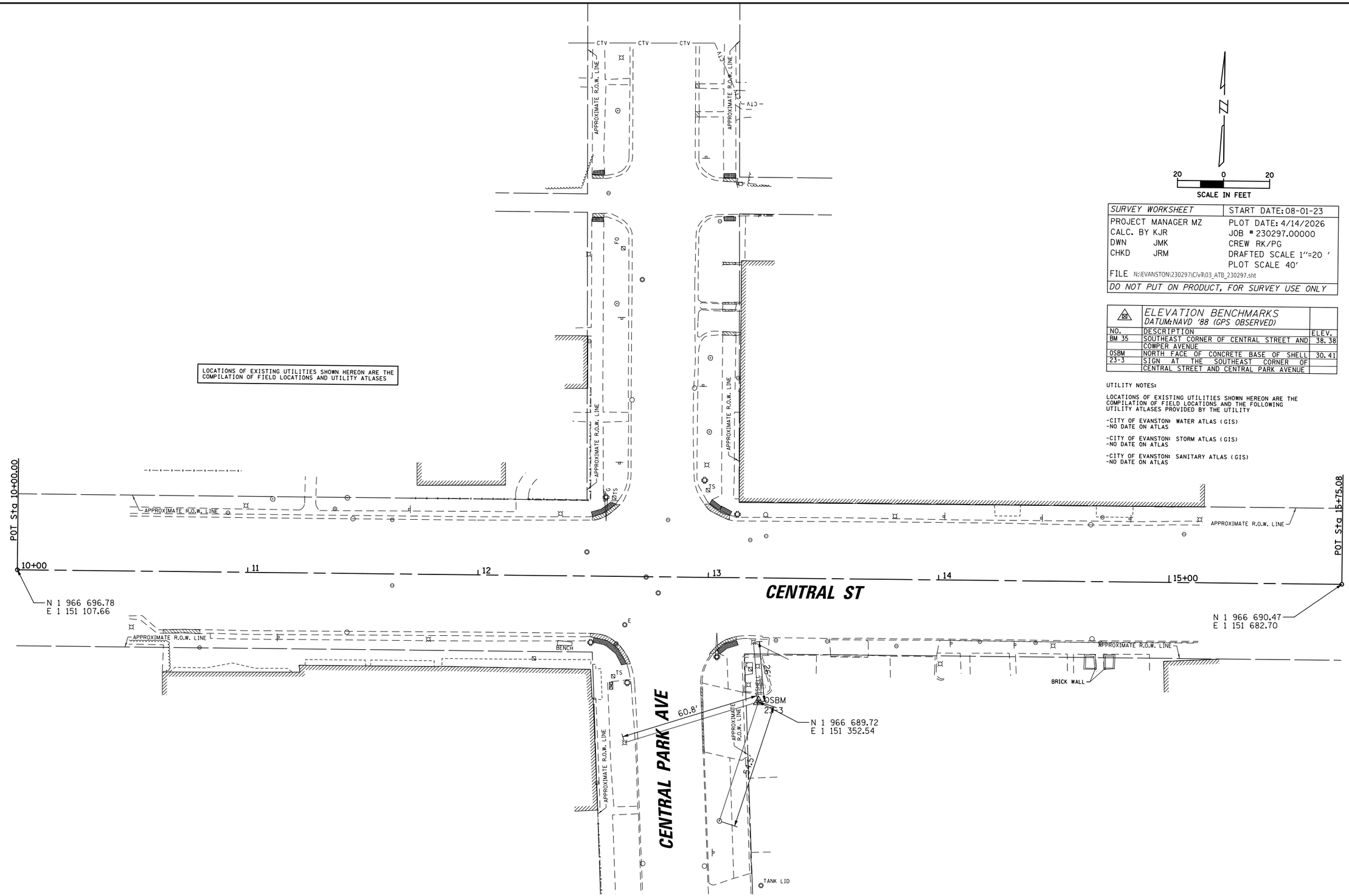
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LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE COMPILATION OF FIELD LOCATIONS AND UTILITY ATLASES



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SCALE IN FEET

SURVEY WORKSHEET	START DATE: 08-01-23
PROJECT MANAGER MZ	PLOT DATE: 4/14/2026
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CHKD JRM	DRAFTED SCALE 1"=20 '
	PLOT SCALE 40'
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ELEVATION BENCHMARKS
DATUM: NAVD '88 (GPS OBSERVED)

NO.	DESCRIPTION	ELEV.
BM 35	SOUTHEAST CORNER OF CENTRAL STREET AND COWPER AVENUE	38.38
OSBM 23-3	NORTH FACE OF CONCRETE BASE OF SHELL SIGN AT THE SOUTHEAST CORNER OF CENTRAL STREET AND CENTRAL PARK AVENUE	30.41

UTILITY NOTES:

LOCATIONS OF EXISTING UTILITIES SHOWN HEREON ARE THE COMPILATION OF FIELD LOCATIONS AND THE FOLLOWING UTILITY ATLASES PROVIDED BY THE UTILITY

-CITY OF EVANSTON: WATER ATLAS (GIS)
-NO DATE ON ATLAS

-CITY OF EVANSTON: STORM ATLAS (GIS)
-NO DATE ON ATLAS

-CITY OF EVANSTON: SANITARY ATLAS (GIS)
-NO DATE ON ATLAS

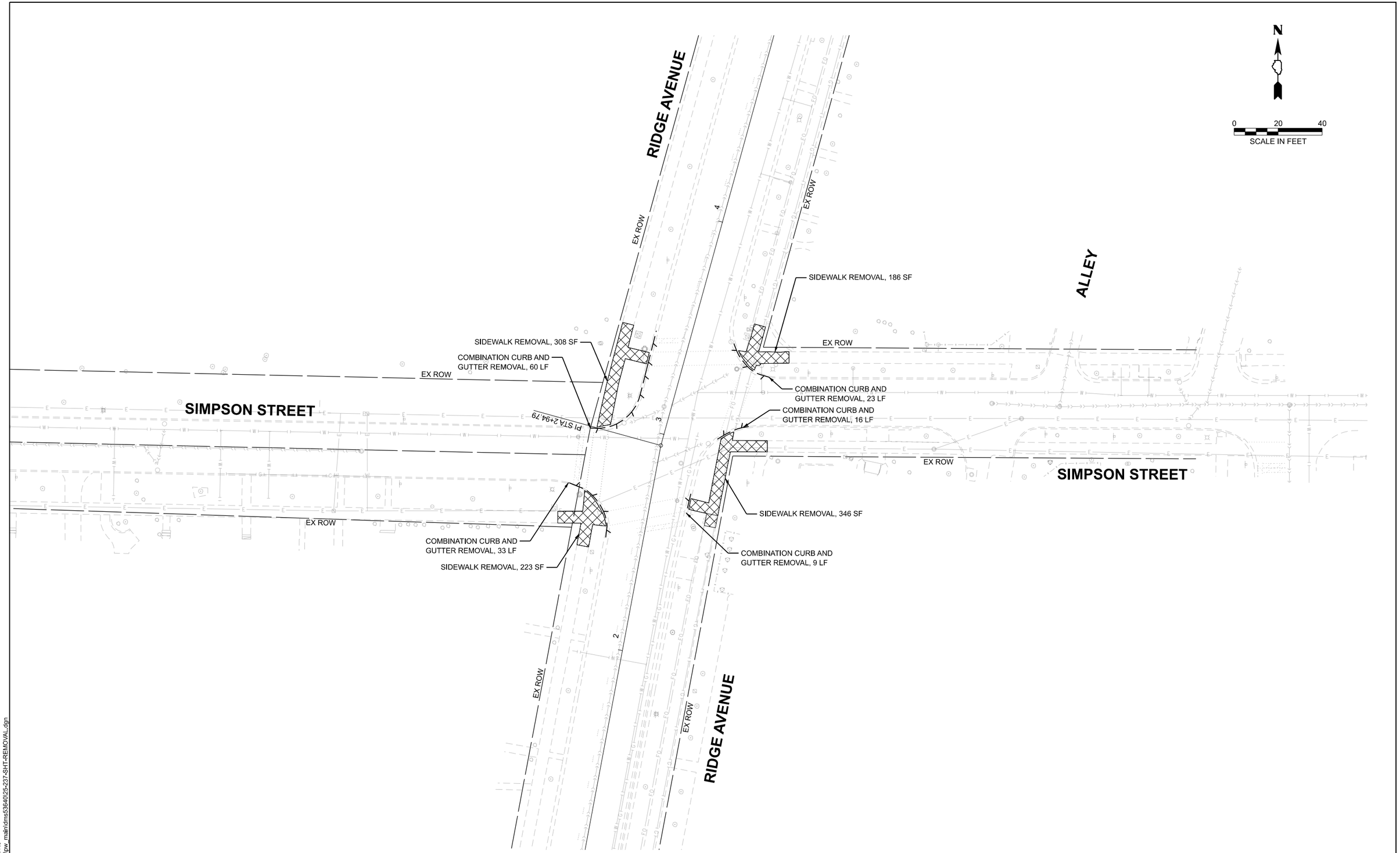
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	PLOT DATE = 4/14/2026	DATE -	REVISED -

City of Evanston

ALIGNMENT, TIES AND BENCHMARKS
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	7
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



MODEL: Roadway Removal
FILE NAME: c:\pw_work\pw_main\dms5384025-237-SHT-REMOVAL.dgn

TERRA ENGINEERING LTD.

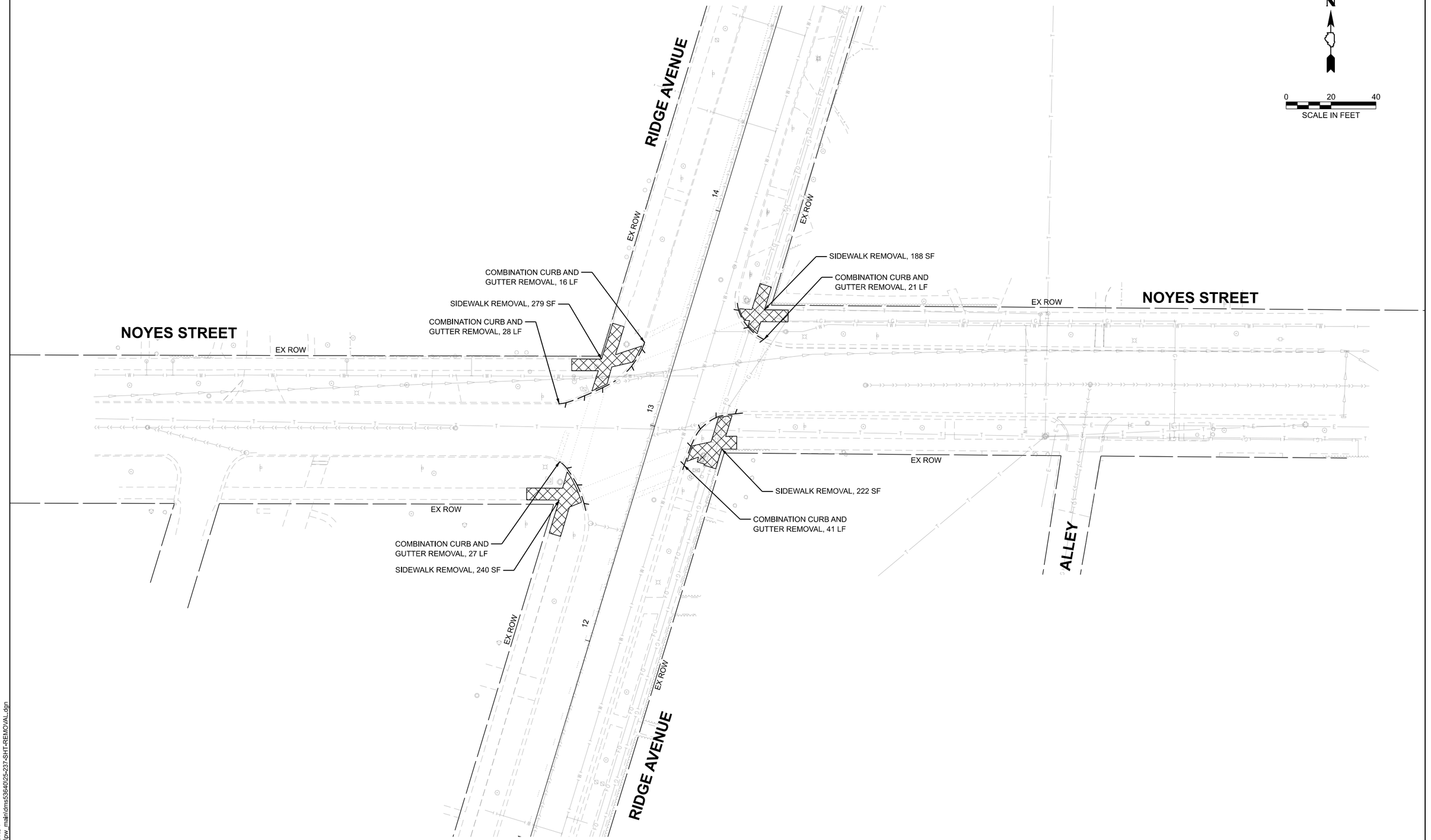
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PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

REMOVAL PLANS
RIDGE AVENUE AT SIMPSON STREET

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	8
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



MODEL: Roadway Removal-1
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TERRA ENGINEERING LTD.

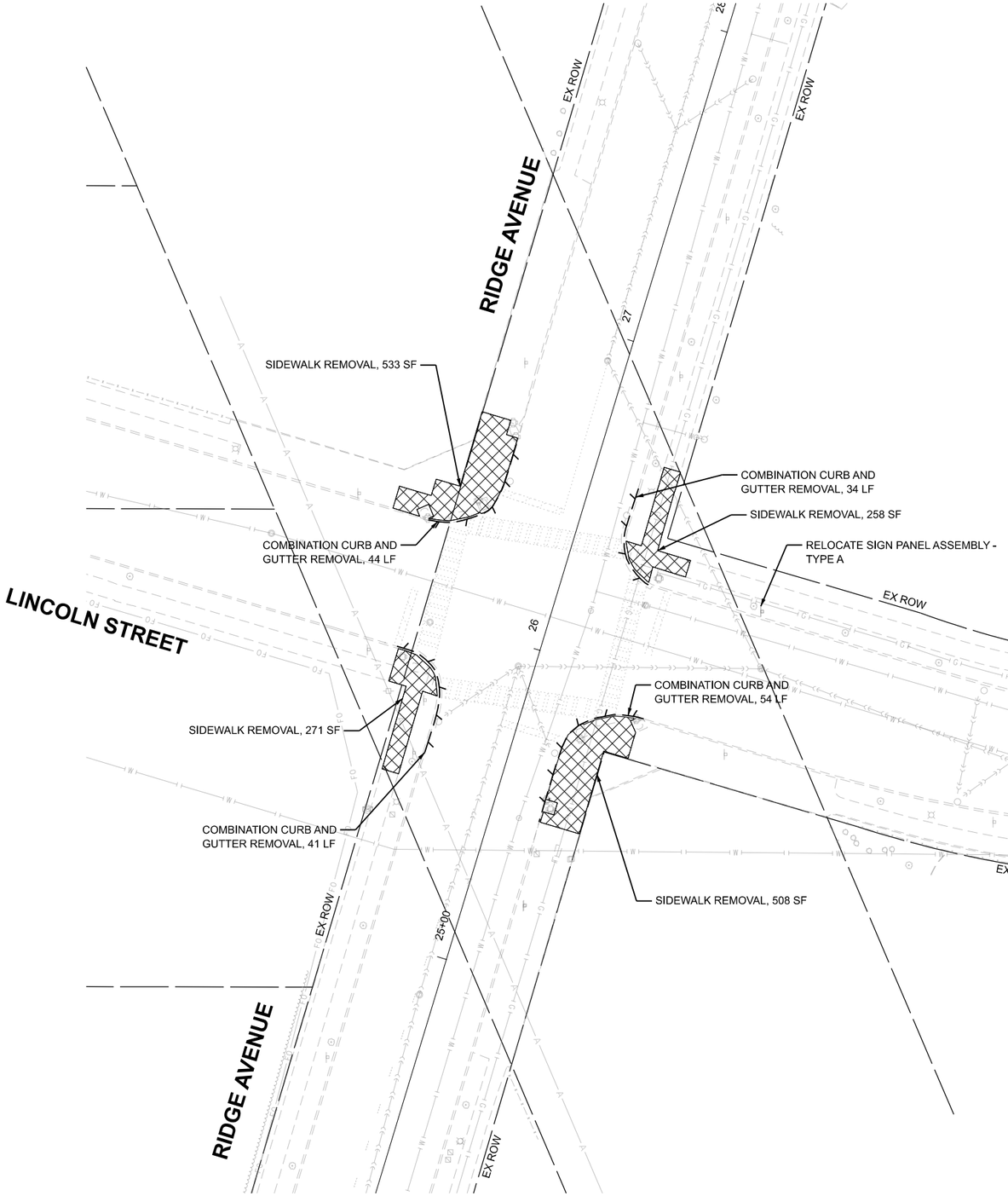
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	CHECKED - TPD	REVISED -	
PLOT DATE = 12/15/2025	DATE -	REVISED -	

City of Evanston

REMOVAL PLANS
RIDGE AVENUE AT NOYES STREET

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	9
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



MODEL: Roadway Removal-2
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TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - XEL	REVISED -	
	DRAWN - XEL	REVISED -	
	CHECKED - TPD	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

REMOVAL PLANS
RIDGE AVENUE AT LINCOLN STREET

SCALE: | SHEET 3 OF 4 SHEETS | STA. | TO STA.

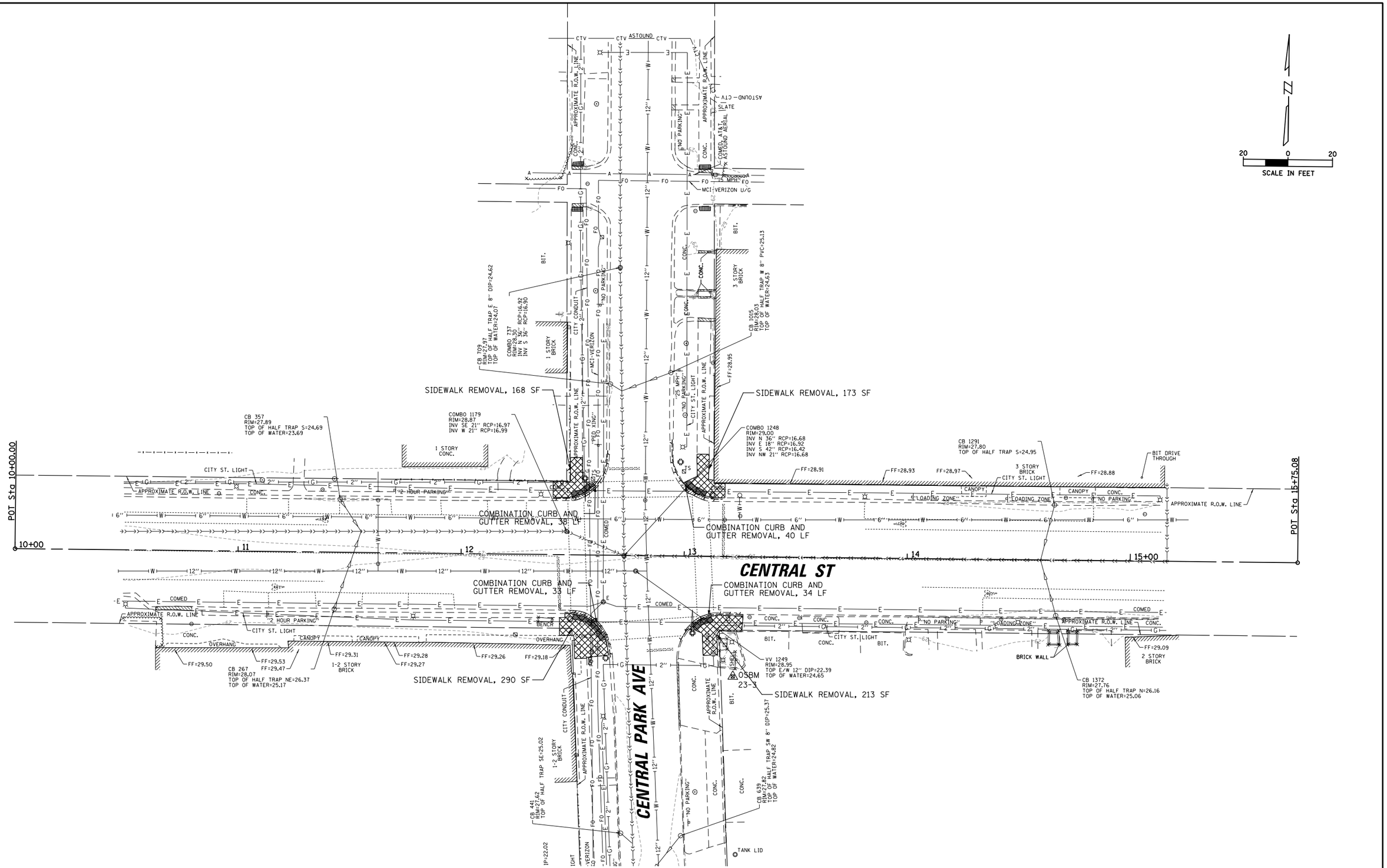
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	10
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN
NOTE BOOK
NO.
SURVEYED
PLOTTED
ALIGNMENT CHECKED
BLR JOB NO. CHECKED
CADD FILE NAME

PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
BLR JOB NO.
STRUCTURE NOTATIONS CHKD

BY | DATE



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	PLOT SCALE = 40'	CHECKED - MLM	REVISED -
	PLOT DATE = 4/14/2026	DATE -	REVISED -

City of Evanston

REMOVAL PLANS
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	11
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

N

0 20 40
SCALE IN FEET

RIDGE AVENUE

EX ROW

ALLEY

SIMPSON STREET

THERMOPLASTIC PAVEMENT MARKING LINE - 24", 12 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 79 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 82 LF
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 62 LF
DETECTABLE WARNINGS, 10 SF
SIDE CURB
SODDING, SALT TOLERANT, 50 SY
PORTLAND CEMENT CONCRETE SIDEWALK, 5", 315 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 35 SY
EARTH EXCAVATION, 79 CY
INLET FILTERS, 1 EA
DETECTABLE WARNINGS, 10 SF
SIDE CURB
CLASS D PATCHES, SPECIAL, 21 SY
THERMOPLASTIC PAVEMENT MARKING LINE - 24", 25 LF

TREE TRUNK PROTECTION, 1 EA
INLET FILTERS, 1 EA
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 25 LF
PORTLAND CEMENT CONCRETE SIDEWALK, 5", 190 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 22 SY
EARTH EXCAVATION, 48 CY
DETECTABLE WARNINGS , 20 SF
SODDING, SALT TOLERANT, 10 SY
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 60 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 61 LF
TREE TRUNK PROTECTION, 1 EA

THERMOPLASTIC PAVEMENT MARKING - LINE 6", 73 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 72 LF
DETECTABLE WARNINGS, 10 SF
SODDING, SALT TOLERANT, 10 SY
DETECTABLE WARNINGS, 10 SF
PORTLAND CEMENT CONCRETE SIDEWALK, 5", 220 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 25 SY
EARTH EXCAVATION, 55 CY
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 35 LF

TREE TRUNK PROTECTION, 1 EA
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 16 LF
SODDING, SALT TOLERANT, 50 SY
DETECTABLE WARNINGS, 10 SF
INLET FILTERS, 1 EA
PORTLAND CEMENT CONCRETE SIDEWALK, 5", 320 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 36 SY
EARTH EXCAVATION, 80 CY
TREE TRUNK PROTECTION, 1 EA
DETECTABLE WARNINGS, 10 SF
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 9 LF
TREE TRUNK PROTECTION, 2 EA
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 60 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 57 LF
THERMOPLASTIC PAVEMENT MARKING LINE - 24", 20 LF

MODEL: Evanston Geometry - 1 [Sheet]
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USER NAME = XianL	DESIGNED - BB	REVISED -	
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PLOT DATE = 12/15/2025	DATE -	REVISED -	

City of Evanston

PROPOSED PLANS
RIDGE AVENUE AT SIMPSON STREET

SCALE: | SHEET 1 OF 4 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	12
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

N

0 20 40
SCALE IN FEET

EX ROW

RIDGE AVENUE

EX ROW

15

14

13

12

11

NOYES STREET

NOYES STREET

EX ROW

EX ROW

EX ROW

EX ROW

EX ROW

ALLEY

RIDGE AVENUE

THERMOPLASTIC PAVEMENT MARKING - LINE 6", 93 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 90 LF

THERMOPLASTIC PAVEMENT MARKING LINE - 24", 12 LF

PORTLAND CEMENT CONCRETE SIDEWALK, 5", 275 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 31 SY
EARTH EXCAVATION, 69 CY

DETECTABLE WARNINGS, 10 SF

INLET FILTERS, 1 EA

DETECTABLE WARNINGS, 10 SF

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 45 LF

SODDING, SALT TOLERANT, 20 SY

THERMOPLASTIC PAVEMENT MARKING LINE - 24", 14 LF

TREE TRUNK PROTECTION, 1 EA

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 22 LF

DETECTABLE WARNINGS, 24 SF

PORTLAND CEMENT CONCRETE SIDEWALK, 5", 205 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 23 SY
EARTH EXCAVATION, 52 CY

THERMOPLASTIC PAVEMENT MARKING - LINE 6", 79 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 76 LF

THERMOPLASTIC PAVEMENT MARKING LINE - 24", 16 LF

SODDING, SALT TOLERANT, 10 SY

THERMOPLASTIC PAVEMENT MARKING - LINE 6", 98 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 98 LF

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 25 LF

SODDING, SALT TOLERANT, 20 SY

DETECTABLE WARNINGS, 24 SF

PORTLAND CEMENT CONCRETE SIDEWALK, 5", 235 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 27 SY
EARTH EXCAVATION, 59 CY

INLET FILTERS, 1 EA

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 42 LF

SODDING, SALT TOLERANT, 10 SY

DETECTABLE WARNINGS, 10 SF

INLET FILTERS, 1 EA

PORTLAND CEMENT CONCRETE SIDEWALK, 5", 210 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 24 SY
EARTH EXCAVATION, 53 CY

DETECTABLE WARNINGS, 10 SF

TREE TRUNK PROTECTION, 2 EA

THERMOPLASTIC PAVEMENT MARKING - LINE 6", 76 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 76 LF

THERMOPLASTIC PAVEMENT MARKING LINE - 24", 18 LF

MODEL: Evanston Geometry - 2 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-GEOM.dgn

TERRA ENGINEERING LTD.	USER NAME = XianL	DESIGNED - BB	REVISED -	
		DRAWN - BB	REVISED -	
		CHECKED - TPD	REVISED -	
	PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

PROPOSED PLANS
RIDGE AVENUE AT NOYES STREET

SCALE: | SHEET 2 OF 4 SHEETS | STA. | TO STA.

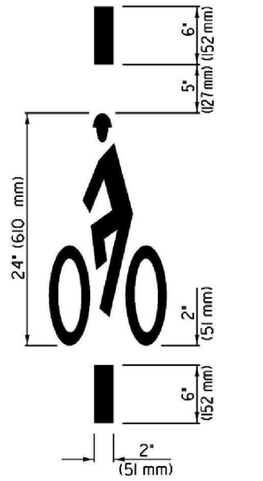
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	13
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

N

0 20 40

SCALE IN FEET

PAVEMENT MARKING DETAIL



THERMOPLASTIC PAVEMENT MARKING LINE - 24", 20 LF
CONCRETE CURB, TYPE B, 46 LF
DETECTABLE WARNINGS, 10 SF
INLET FILTERS, 1 EA
PORTLAND CEMENT CONCRETE SIDEWALK, 5 ", 445 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 50 SY
EARTH EXCAVATION, 112 CY
DETECTABLE WARNINGS, 10 SF
STRUCTURE OVER ROADWAY
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 78 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 72 LF
THERMOPLASTIC PAVEMENT MARKING LINE - 24", 18 LF
THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS - 1 SQ FT METHYL METHACRYLATE PAVEMENT COLORIZATION GREEN - 4 SQ YD (SEE DETAIL)
DETECTABLE WARNINGS, 10 SF
STA. 25+78.02
O/S. 57.84' LT.
TELESCOPING STEEL SIGN SUPPORT, 15 LF
BASE FOR TELESCOPING STEEL SIGN SUPPORT, 1 EA
STA. 25+74.97
O/S. 29.60' LT.
SODDING, SALT TOLERANT, 20 SY
INLET FILTERS, 1 EA
PORTLAND CEMENT CONCRETE SIDEWALK, 5", 240 SF
SUBBASE GRANULAR MATERIAL, TYPE B 4", 27 SY
EARTH EXCAVATION, 60 CY
DETECTABLE WARNINGS, 10 SF
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 42 LF
STA. 25+18.40
O/S. 82.49' LT.
STA. 25+25.89
O/S. 57.53' LT.
TEMPORARY CONSTRUCTION ACCESS
FOR ELECTRICAL SERVICE INSTALLATION
(CITY OF EVANSTON PROPERTY)
STA. 24+66.28
O/S. 82.19' LT.
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 76 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 78 LF
TREE TRUNK PROTECTION, 1 EA
COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12, 34 LF
DETECTABLE WARNINGS, 10 SF
INLET FILTERS, 1 EA
DETECTABLE WARNINGS, 10 SF
SODDING, SALT TOLERANT, 20 SY
PORTLAND CEMENT CONCRETE SIDEWALK, 5", 190 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 29 SY
EARTH EXCAVATION, 66 CY
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 85 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 84 LF
THERMOPLASTIC PAVEMENT MARKING LINE - 24", 20 LF
RELOCATED SIGN PANEL ASSEMBLY - TYPE A, 1 EA
STA. 26+31.63
O/S. 84.42' RT.
THERMOPLASTIC PAVEMENT MARKING LETTERS AND SYMBOLS - 1 SQ FT METHYL METHACRYLATE PAVEMENT COLORIZATION GREEN - 4 SQ YD (SEE DETAIL)
STRUCTURE OVER ROADWAY
DETECTABLE WARNINGS, 11 SF
CONCRETE CURB, TYPE B, 55 LF
PORTLAND CEMENT CONCRETE SIDEWALK, 5", 515 SF
SUBBASE GRANULAR MATERIAL, TYPE B, 4", 58 SY
EARTH EXCAVATION, 129 CY
INLET FILTERS, 1 EA
DETECTABLE WARNINGS, 10 SF
THERMOPLASTIC PAVEMENT MARKING LINE - 24", 20 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 6", 65 LF
THERMOPLASTIC PAVEMENT MARKING - LINE 12", 84 LF
LINCOLN STREET
RIDGE AVENUE
EX ROW
26'
52'
47'
6'
28'
27'
26'
25+00

MODEL: Evanston Geometry - 3 [Sheet]
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		DRAWN - BB	REVISED -
		CHECKED - TPD	REVISED -
	PLOT DATE = 4/14/2026	DATE -	REVISED -

City of Evanston

PROPOSED PLANS
RIDGE AVENUE AT LINCOLN STREET

SCALE: | SHEET 3 OF 3 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	14
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

HOT-MIX ASPHALT MIXTURE REQUIREMENTS	
MIXTURE TYPE	AIR VOIDS @Ndes
CLASS D PATCHES	
HOT-MIX ASPHALT BINDER COURSE IL-19.0, N70	4% @ 70 GYR.

SCALE IN FEET
20 0 20

CONCRETE CURB B-6, 17 LF
COMBINATION CURB AND GUTTER B-6.12, 38 LF
PCC SIDEWALK 5", 179 SF
PAVEMENT MARKING - LINE 24" - 15 LF
PAVEMENT MARKING - LINE 12" - 70 LF
CONCRETE CURB B-6, 18 LF
CONCRETE CURB B-6, 21 LF
COMBINATION CURB AND GUTTER B-6.12, 40 LF
PCC SIDEWALK 5", 183 SF
DETECTABLE WARNINGS 27 SF
PAVEMENT MARKING - LINE 6" - 390 LF (ALL FOUR LEGS)
DETECTABLE WARNINGS 26 SF
PAVEMENT MARKING - LINE 24" - 25 LF
PAVEMENT MARKING - LINE 12" - 105 LF
DETECTABLE WARNINGS 35 SF
PCC SIDEWALK 5", 303 SF
COMBINATION CURB AND GUTTER B-6.12, 33 LF
PAVEMENT MARKING - LINE 24" - 15 LF
PAVEMENT MARKING - LINE 12" - 70 LF
PAVEMENT MARKING - LINE 24" - 25 LF
PAVEMENT MARKING - LINE 12" - 120 LF
COMBINATION CURB AND GUTTER B-6.12, 34 LF
PCC SIDEWALK 5", 216 SF
DETECTABLE WARNINGS 30 SF
CONCRETE CURB B-6, 17 LF

CENTRAL ST
CENTRAL PARK AVE
POT Sta 10+00.00
POT Sta 15+75.08
10+00
15+00

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALL DIM. CHECKED, CADD FILE NAME, NOTE BOOK, NO.
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, ALL DIM. CHECKED, STRUCTURE NOTATNS CHKD, NOTE BOOK, NO.
BY, DATE

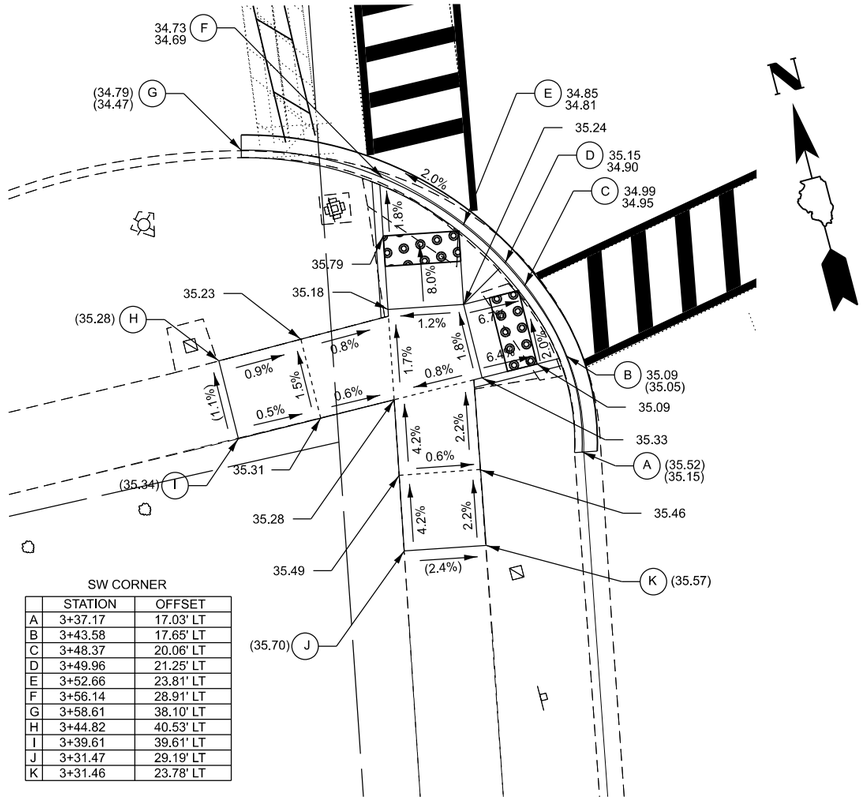
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	PLOT DATE = 4/14/2026	DATE -	REVISED -

City of Evanston

PROPOSED PLANS
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

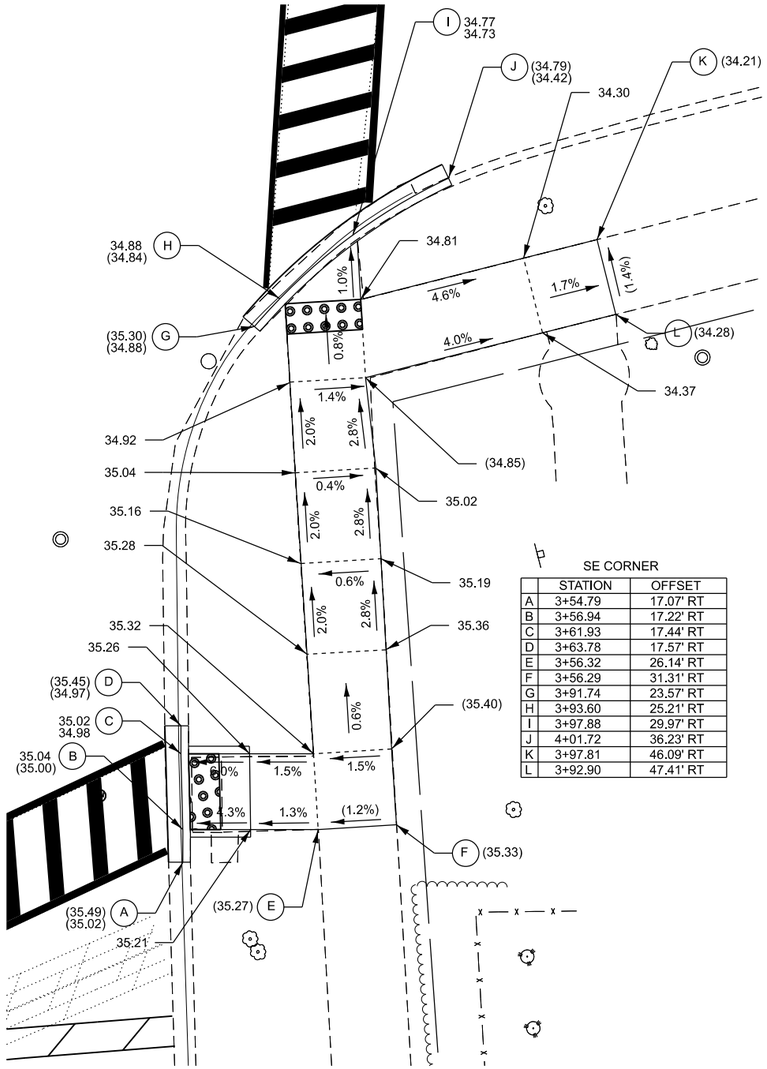
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			64	15
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



SW CORNER

	STATION	OFFSET
A	3+37.17	17.03' LT
B	3+43.58	17.65' LT
C	3+48.37	20.06' LT
D	3+49.96	21.25' LT
E	3+52.66	23.81' LT
F	3+56.14	28.91' LT
G	3+58.61	38.10' LT
H	3+44.82	40.53' LT
I	3+39.61	39.61' LT
J	3+31.47	29.19' LT
K	3+31.46	23.78' LT

PROPOSED ADA DETAIL
RIDGE AND SIMPSON SOUTHWEST CORNER



SE CORNER

	STATION	OFFSET
A	3+54.79	17.07' RT
B	3+56.94	17.22' RT
C	3+61.93	17.44' RT
D	3+63.78	17.57' RT
E	3+56.32	26.14' RT
F	3+56.29	31.31' RT
G	3+91.74	23.57' RT
H	3+93.60	25.21' RT
I	3+97.88	29.97' RT
J	4+01.72	36.23' RT
K	3+97.81	46.09' RT
L	3+92.90	47.41' RT

PROPOSED ADA DETAIL
RIDGE AND SIMPSON SOUTHEAST CORNER

LEGEND

(XX.XX) EXISTING ELEVATION
(X.X%) EXISTING SLOPE
XX.XX PROPOSED ELEVATION
X.X% PROPOSED SLOPE

PROPOSED C&G R&R

PROPOSED SIDEWALK

DETECTABLE WARNINGS

XX.XX BACK OF CURB ELEVATION
XX.XX FLOW LINE ELEVATION
KEY POINTS ALONG THE C&G

(XX.XX) EXISTING ELEVATION AT THE LIMITS OF SIDEWALK CONSTRUCTION

0 10 20
SCALE IN FEET

MODEL: Default
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TERRA ENGINEERING LTD.

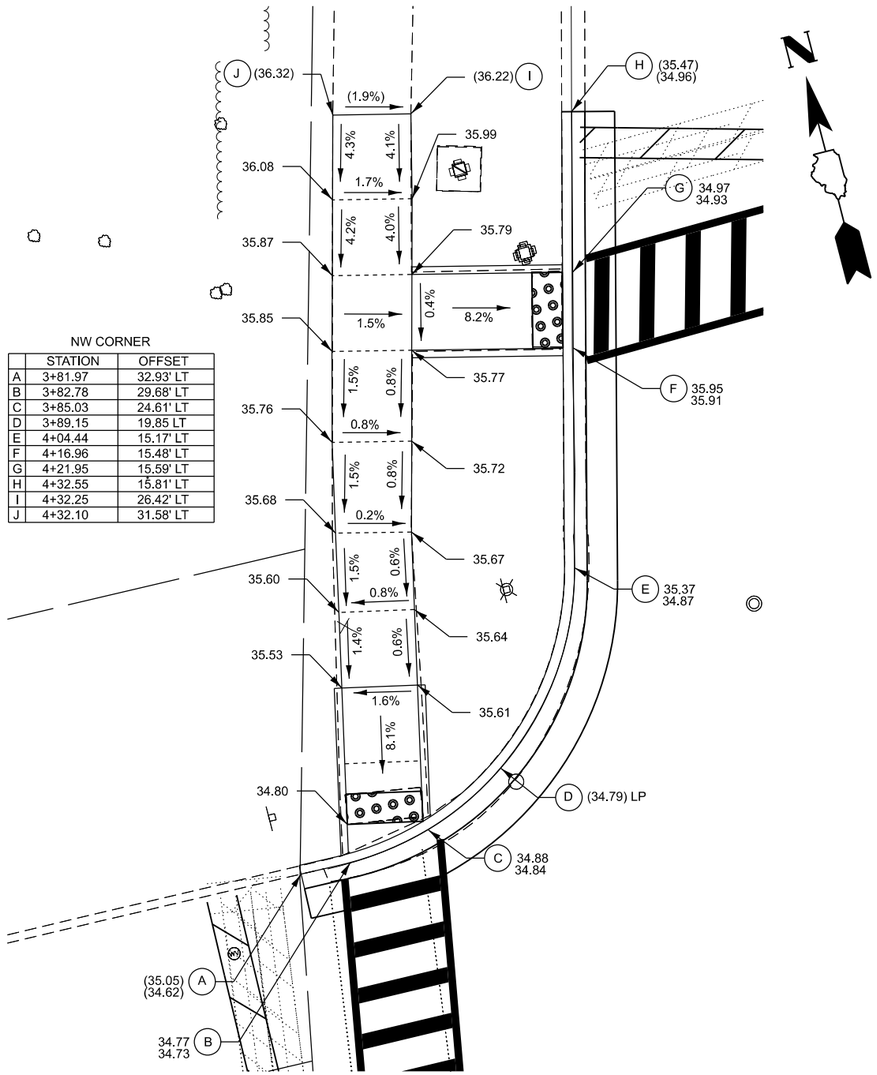
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PLOT DATE = 12/15/2025	DATE -	REVISED -

City of Evanston

ADA PLANS
RIDGE AVENUE AT SIMPSON STREET

SCALE: | SHEET 1 OF 8 SHEETS | STA. | TO STA.

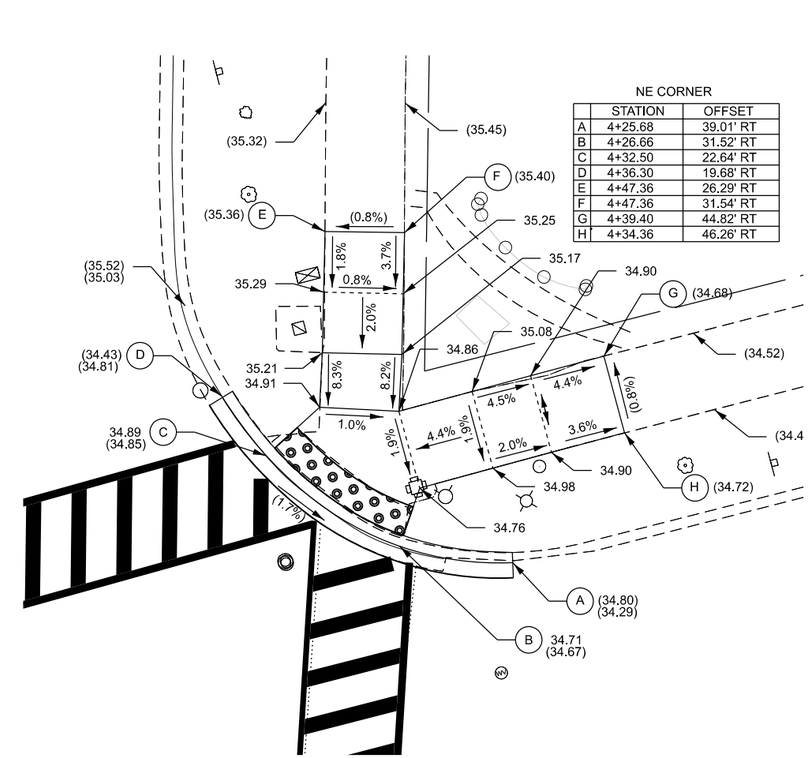
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	16
CONTRACT NO.				
ILLINOIS	FED. AID PROJECT			



NW CORNER

	STATION	OFFSET
A	3+81.97	32.93' LT
B	3+82.78	29.68' LT
C	3+85.03	24.61' LT
D	3+89.15	19.85 LT
E	4+04.44	15.17' LT
F	4+16.96	15.48' LT
G	4+21.95	15.59' LT
H	4+32.55	15.81' LT
I	4+32.25	26.42' LT
J	4+32.10	31.58' LT

PROPOSED ADA DETAIL
RIDGE AND SIMPSON NORTHWEST CORNER



NE CORNER

	STATION	OFFSET
A	4+25.68	39.01' RT
B	4+26.66	31.52' RT
C	4+32.50	22.64' RT
D	4+36.30	19.68' RT
E	4+47.36	26.29' RT
F	4+47.36	31.54' RT
G	4+39.40	44.82' RT
H	4+34.36	46.26' RT

PROPOSED ADA DETAIL
RIDGE AND SIMPSON NORTHEAST CORNER

LEGEND

(XX.XX) EXISTING ELEVATION
(X.X%) EXISTING SLOPE
XX.XX PROPOSED ELEVATION
X.X% PROPOSED SLOPE

PROPOSED C&G R&R
PROPOSED SIDEWALK
DETECTABLE WARNINGS

XX.XX BACK OF CURB ELEVATION
XX.XX FLOW LINE ELEVATION
KEY POINTS ALONG THE C&G
(XX.XX) EXISTING ELEVATION AT THE LIMITS OF SIDEWALK CONSTRUCTION

0 10 20
SCALE IN FEET

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TERRA ENGINEERING LTD.

USER NAME = BernardB	DESIGNED - BCB	REVISED -	
	DRAWN - BCB	REVISED -	
	CHECKED - CCC	REVISED -	
PLOT DATE = 12/15/2025	DATE -	REVISED -	

City of Evanston

ADA PLANS
RIDGE AVENUE AT SIMPSON STREET

SCALE: | SHEET 2 OF 8 SHEETS | STA. | TO STA.

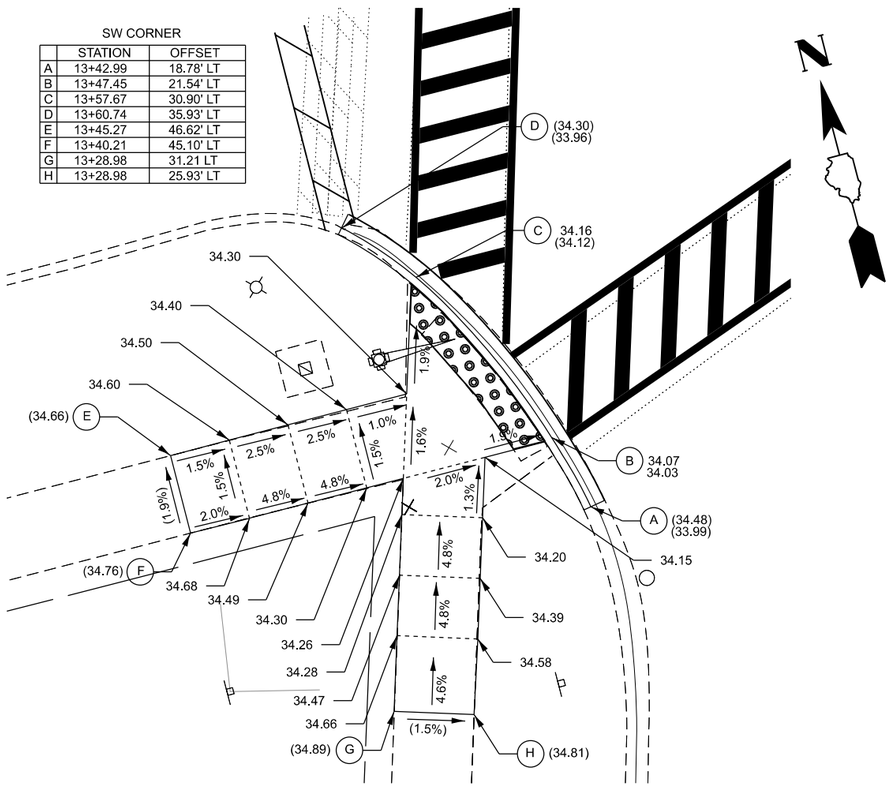
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			64	17

CONTRACT NO.

ILLINOIS | FED. AID PROJECT

SW CORNER

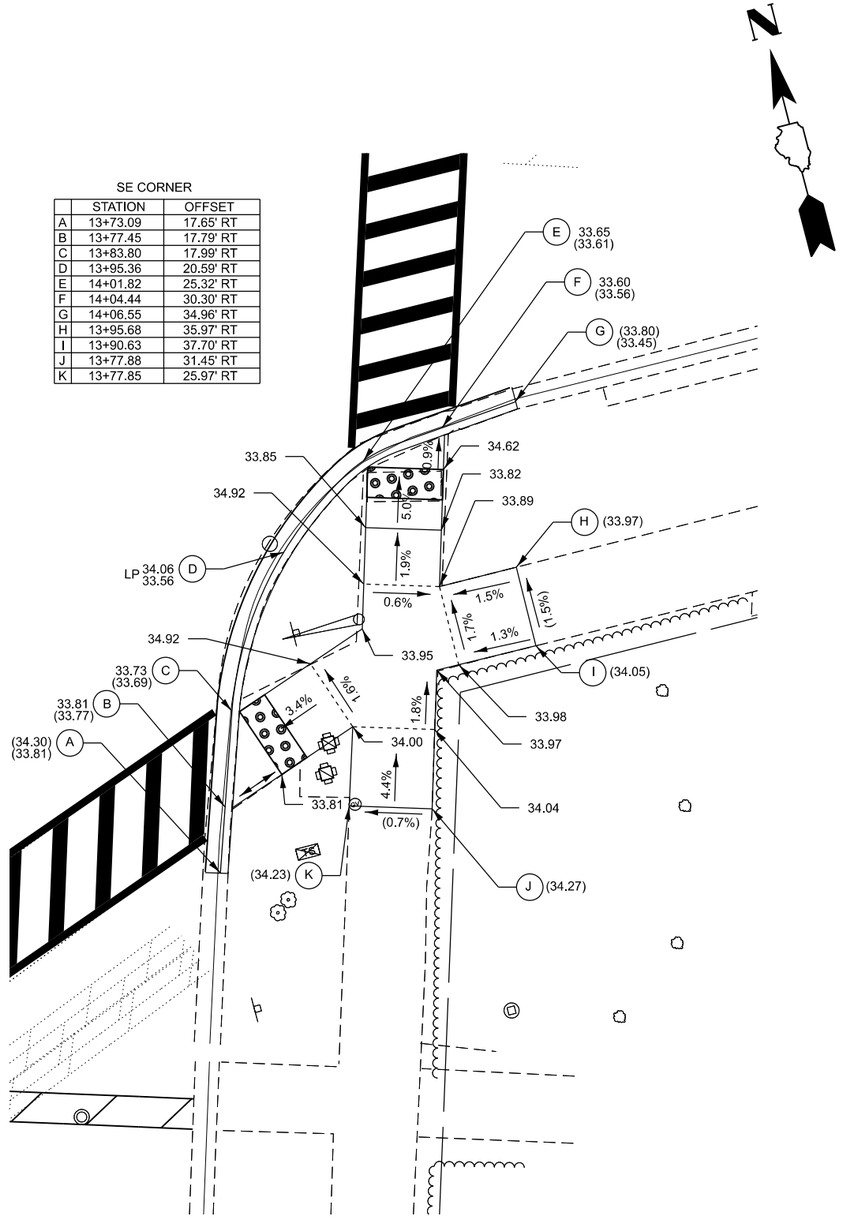
	STATION	OFFSET
A	13+42.99	18.78' LT
B	13+47.45	21.54' LT
C	13+57.67	30.90' LT
D	13+60.74	35.93' LT
E	13+45.27	46.62' LT
F	13+40.21	45.10' LT
G	13+28.98	31.21 LT
H	13+28.98	25.93' LT



PROPOSED ADA DETAIL
RIDGE AND NOYES SOUTHWEST CORNER

SE CORNER

	STATION	OFFSET
A	13+73.09	17.65' RT
B	13+77.45	17.79' RT
C	13+83.80	17.99' RT
D	13+95.36	20.59' RT
E	14+01.82	25.32' RT
F	14+04.44	30.30' RT
G	14+06.55	34.96' RT
H	13+95.68	35.97' RT
I	13+90.63	37.70' RT
J	13+77.88	31.45' RT
K	13+77.85	25.97' RT



PROPOSED ADA DETAIL
RIDGE AND NOYES SOUTHEAST CORNER

LEGEND

(XX.XX) EXISTING ELEVATION
(X.X%) EXISTING SLOPE
XX.XX PROPOSED ELEVATION
X.X% PROPOSED SLOPE

PROPOSED C&G R&R
PROPOSED SIDEWALK
DETECTABLE WARNINGS

XX.XX BACK OF CURB ELEVATION
XX.XX FLOW LINE ELEVATION
KEY POINTS ALONG THE C&G
(XX.XX) EXISTING ELEVATION AT THE LIMITS OF SIDEWALK CONSTRUCTION

0 10 20
SCALE IN FEET

MODEL: Default
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TERRA ENGINEERING LTD.

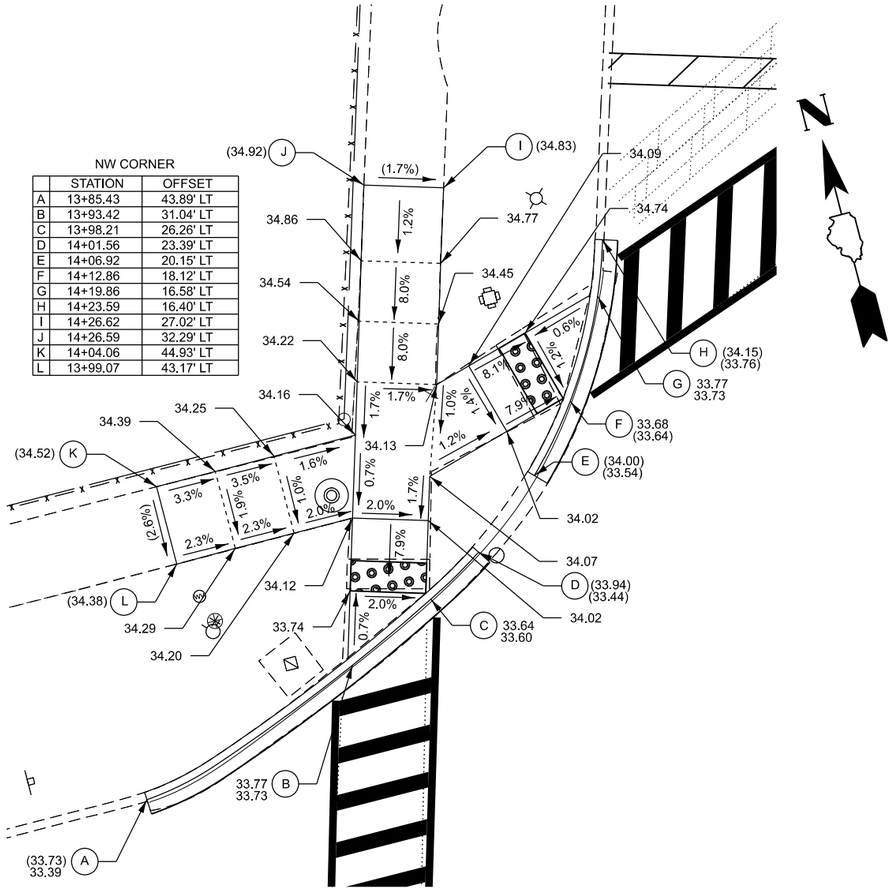
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	DRAWN - BCB	REVISED -
	CHECKED - CCC	REVISED -
PLOT DATE = 12/15/2025	DATE -	REVISED -

City of Evanston

ADA PLANS
RIDGE AVENUE AT NOYES STREET

SCALE: | SHEET 3 OF 8 SHEETS | STA. | TO STA.

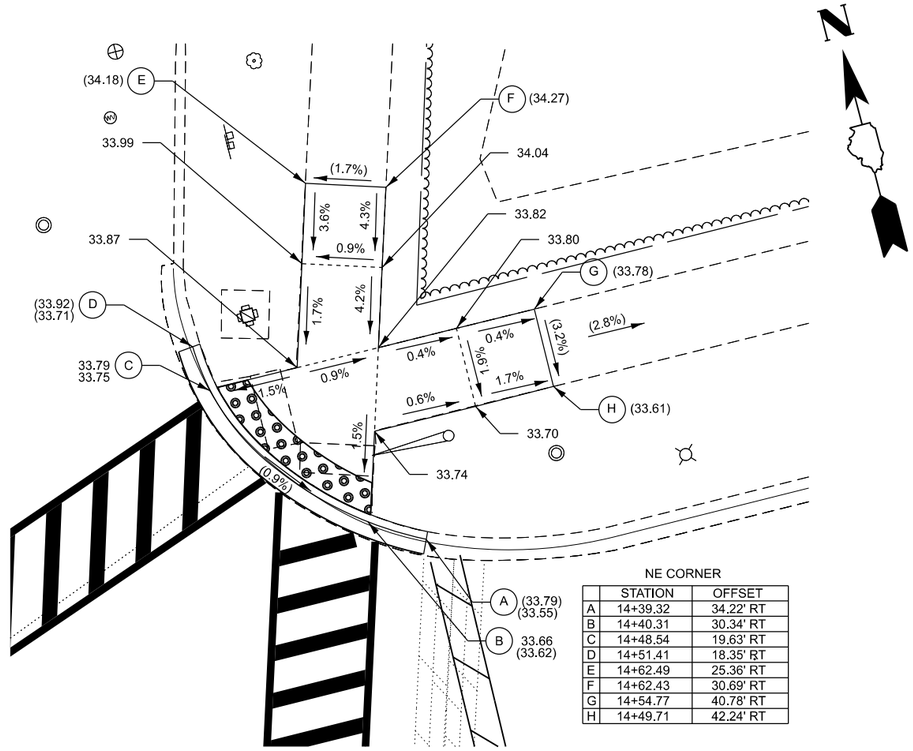
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	18
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



NW CORNER

	STATION	OFFSET
A	13+85.43	43.89' LT
B	13+93.42	31.04' LT
C	13+98.21	26.26' LT
D	14+01.56	23.39' LT
E	14+06.92	20.15' LT
F	14+12.86	18.12' LT
G	14+19.86	16.58' LT
H	14+23.59	16.40' LT
I	14+26.62	27.02' LT
J	14+26.59	32.29' LT
K	14+04.06	44.93' LT
L	13+99.07	43.17' LT

PROPOSED ADA DETAIL
RIDGE AND NOYES NORTHWEST CORNER



NE CORNER

	STATION	OFFSET
A	14+39.32	34.22' RT
B	14+40.31	30.34' RT
C	14+48.54	19.63' RT
D	14+51.41	18.35' RT
E	14+62.49	25.36' RT
F	14+62.43	30.69' RT
G	14+54.77	40.78' RT
H	14+49.71	42.24' RT

PROPOSED ADA DETAIL
RIDGE AND NOYES NORTHEAST CORNER

LEGEND

(XX.XX) EXISTING ELEVATION
(X.X%) EXISTING SLOPE
XX.XX PROPOSED ELEVATION
X.X% PROPOSED SLOPE

PROPOSED C&G R&R
PROPOSED SIDEWALK
DETECTABLE WARNINGS

XX.XX BACK OF CURB ELEVATION
XX.XX FLOW LINE ELEVATION
KEY POINTS ALONG THE C&G
(XX.XX) EXISTING ELEVATION AT THE LIMITS OF SIDEWALK CONSTRUCTION

0 10 20
SCALE IN FEET

MODEL: Default
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TERRA ENGINEERING LTD.

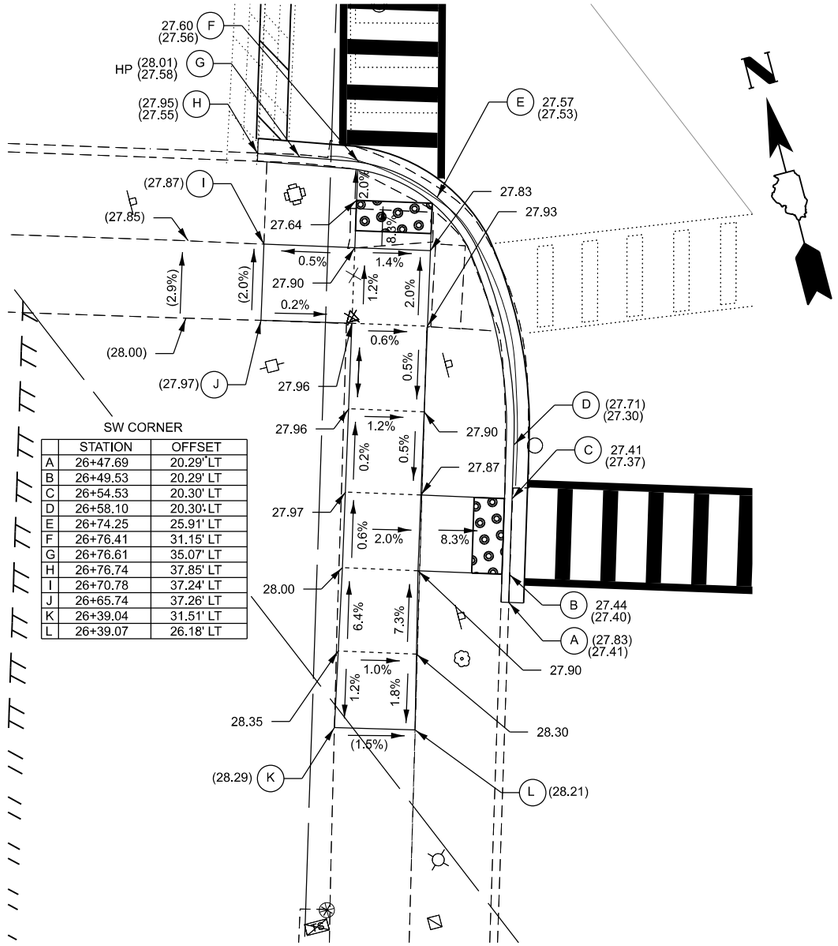
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PLOT DATE = 12/15/2025	DATE -	REVISED -	

City of Evanston

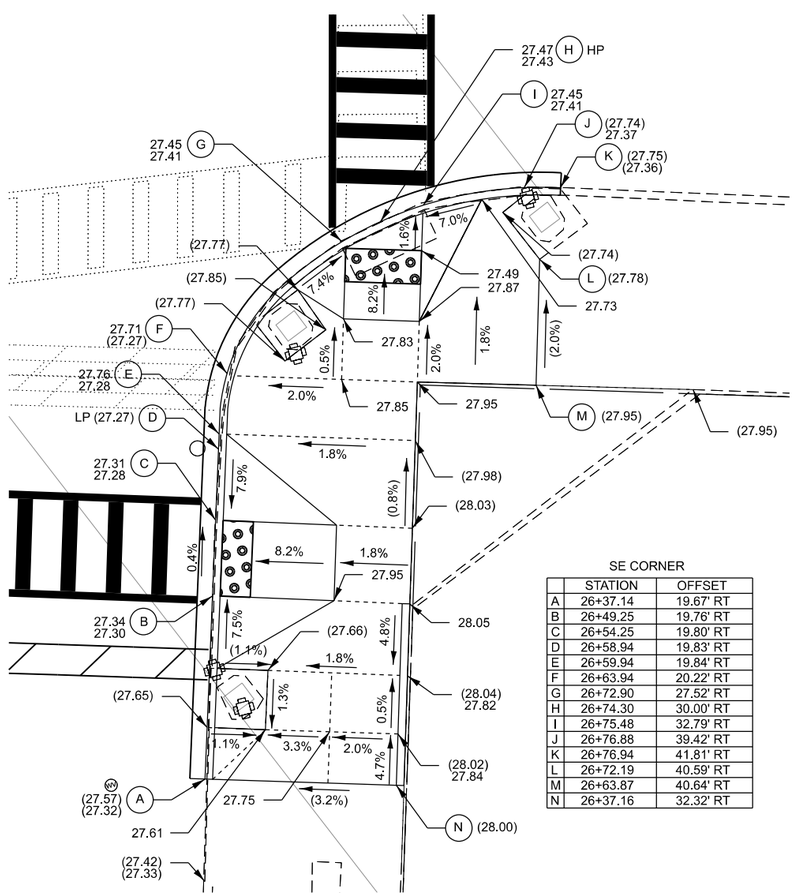
ADA PLANS
RIDGE AVENUE AT NOYES STREET

SCALE: | SHEET 4 OF 8 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	19
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



PROPOSED ADA DETAIL
RIDGE AND LINCOLN SOUTHWEST CORNER



PROPOSED ADA DETAIL
RIDGE AND LINCOLN SOUTHEAST CORNER

LEGEND

(XX.XX) EXISTING ELEVATION
(X.X%) EXISTING SLOPE
XX.XX PROPOSED ELEVATION
X.X% PROPOSED SLOPE

PROPOSED C&G R&R
PROPOSED SIDEWALK
DETECTABLE WARNINGS

XX.XX BACK OF CURB ELEVATION
XX.XX FLOW LINE ELEVATION
KEY POINTS ALONG THE C&G
(XX.XX) EXISTING ELEVATION AT THE LIMITS OF SIDEWALK CONSTRUCTION

0 10 20
SCALE IN FEET

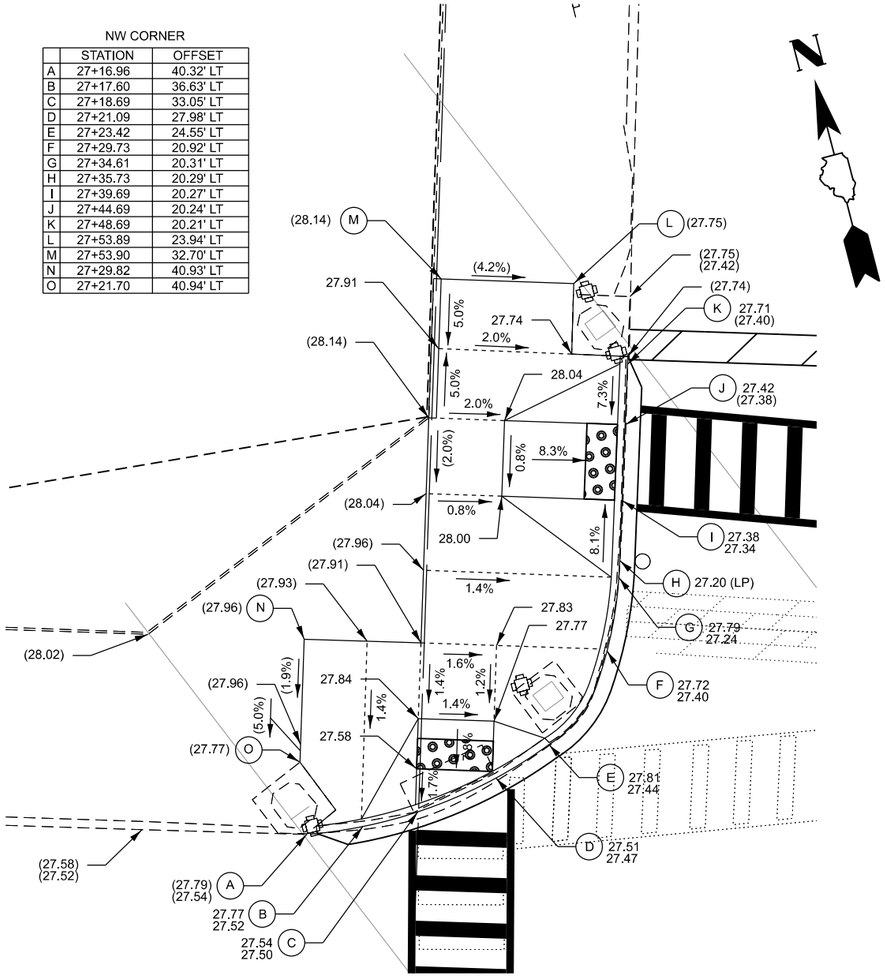
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TERRA ENGINEERING LTD.

USER NAME = BernardB	DESIGNED - BCB	REVISED -	City of Evanston	ADA PLANS RIDGE AVENUE AT LINCOLN STREET	F.A.P RTE. / SECTION / COUNTY / TOTAL SHEETS / SHEET NO.
	DRAWN - BCB	REVISED -			64 / 20
	CHECKED - CCC	REVISED -			CONTRACT NO.
PLOT DATE = 12/15/2025	DATE -	REVISED -		SCALE: SHEET 5 OF 8 SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT

NW CORNER

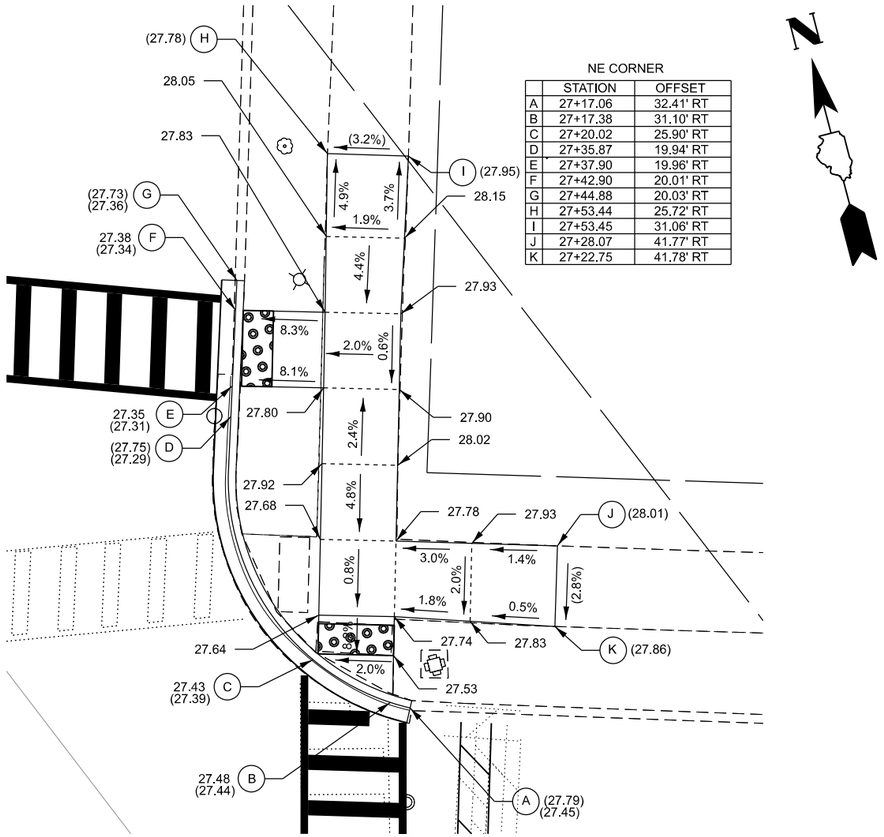
	STATION	OFFSET
A	27+16.96	40.32' LT
B	27+17.60	36.63' LT
C	27+18.69	33.05' LT
D	27+21.09	27.98' LT
E	27+23.42	24.55' LT
F	27+29.73	20.92' LT
G	27+34.61	20.31' LT
H	27+35.73	20.29' LT
I	27+39.69	20.27' LT
J	27+44.69	20.24' LT
K	27+48.69	20.21' LT
L	27+53.89	23.94' LT
M	27+53.90	32.70' LT
N	27+29.82	40.93' LT
O	27+21.70	40.94' LT



PROPOSED ADA DETAIL
RIDGE AND LINCOLN NORTHWEST CORNER

NE CORNER

	STATION	OFFSET
A	27+17.06	32.41' RT
B	27+17.38	31.10' RT
C	27+20.02	25.90' RT
D	27+35.87	19.94' RT
E	27+37.90	19.96' RT
F	27+42.90	20.01' RT
G	27+44.88	20.03' RT
H	27+53.44	25.72' RT
I	27+53.45	31.06' RT
J	27+28.07	41.77' RT
K	27+22.75	41.78' RT



PROPOSED ADA DETAIL
RIDGE AND LINCOLN NORTHEAST CORNER

LEGEND

(XX.XX) EXISTING ELEVATION
(X.X%) EXISTING SLOPE
XX.XX PROPOSED ELEVATION
X.X% PROPOSED SLOPE

PROPOSED C&G R&R
PROPOSED SIDEWALK
DETECTABLE WARNINGS

XX.XX BACK OF CURB ELEVATION
XX.XX FLOW LINE ELEVATION
KEY POINTS ALONG THE C&G
(XX.XX) EXISTING ELEVATION AT THE LIMITS OF SIDEWALK CONSTRUCTION

0 10 20
SCALE IN FEET

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TERRA ENGINEERING LTD.

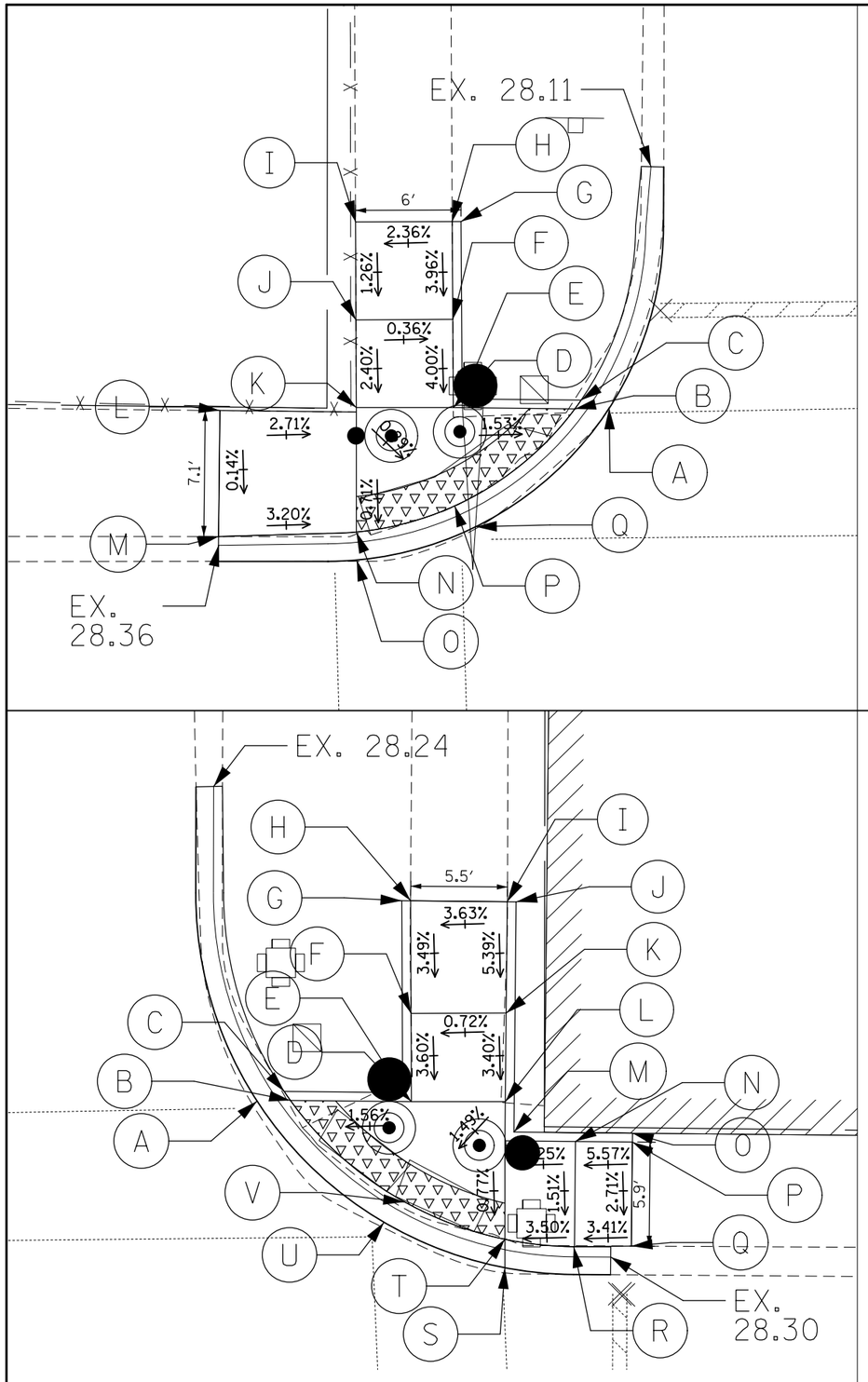
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		CHECKED - CCC		REVISED -	
PLOT DATE = 11/24/2025		DATE -		REVISED -	

City of Evanston

ADA CURB RAMP DETAILS
RIDGE AVENUE AT LINCOLN STREET

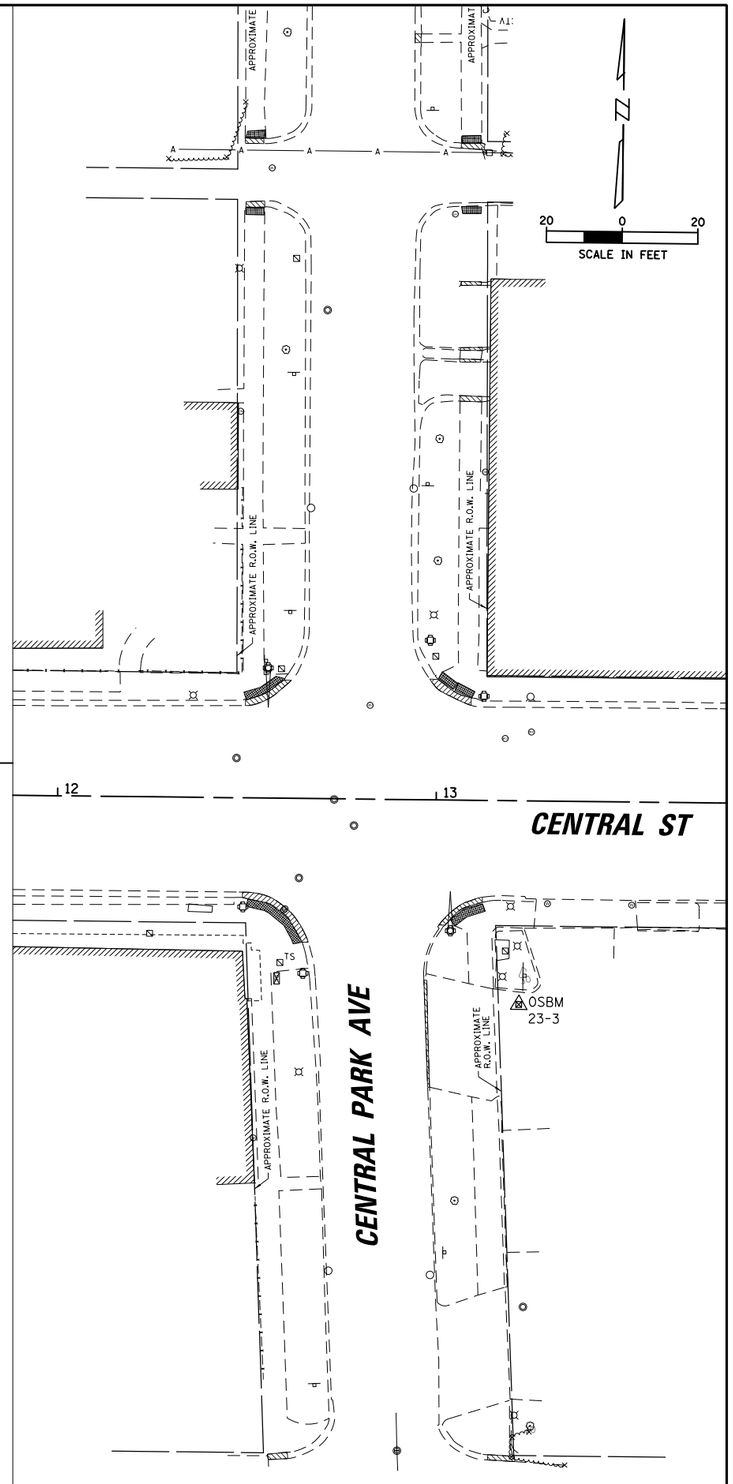
SCALE: | SHEET 6 OF 8 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	21
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



RAMP NW		
POINT	PROPOSED ELEVATION	EXISTING ELEVATION
A	28.25	28.25
B	28.28	28.41
C	28.53	28.4
D	28.37	28.84
E	28.60	28.81
F	28.57	28.82
G	28.79	28.60
H	28.79	28.79
I	28.66	28.66
J	28.59	28.66
K	28.47	28.65
L	28.68	28.68
M	28.67	28.67
N	28.42	28.60
O	28.39	28.39
P	28.40	28.41
Q	28.37	28.37

RAMP NE		
POINT	PROPOSED ELEVATION	EXISTING ELEVATION
A	28.19	28.19
B	28.22	28.48
C	28.50	28.50
D	28.33	28.39
E	28.41	28.41
F	28.50	28.58
G	28.72	28.72
H	28.72	28.72
I	28.92	28.92
J	28.92	28.90
K	28.58	28.88
L	28.41	28.83
M	28.80	28.72
N	28.58	28.73
O	28.77	28.77
P	28.76	28.76
Q	28.60	28.60
R	28.49	28.57
S	28.32	28.32
T	28.35	28.48
U	28.26	28.24
V	28.29	28.33



CHRISTOPHER B. BURKE ENGINEERING LTD.
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Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — FILE NAME — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — ALIGNMENT CHECKED — STRUCTURE NO(S) — PLANS CHKD — BY — DATE

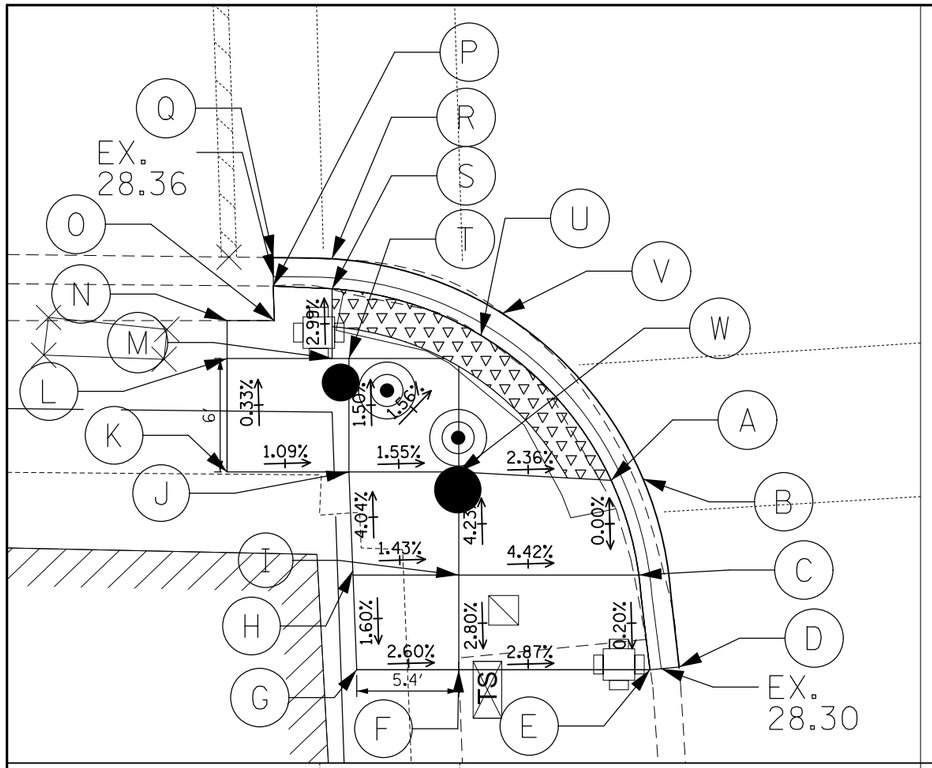
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City of Evanston

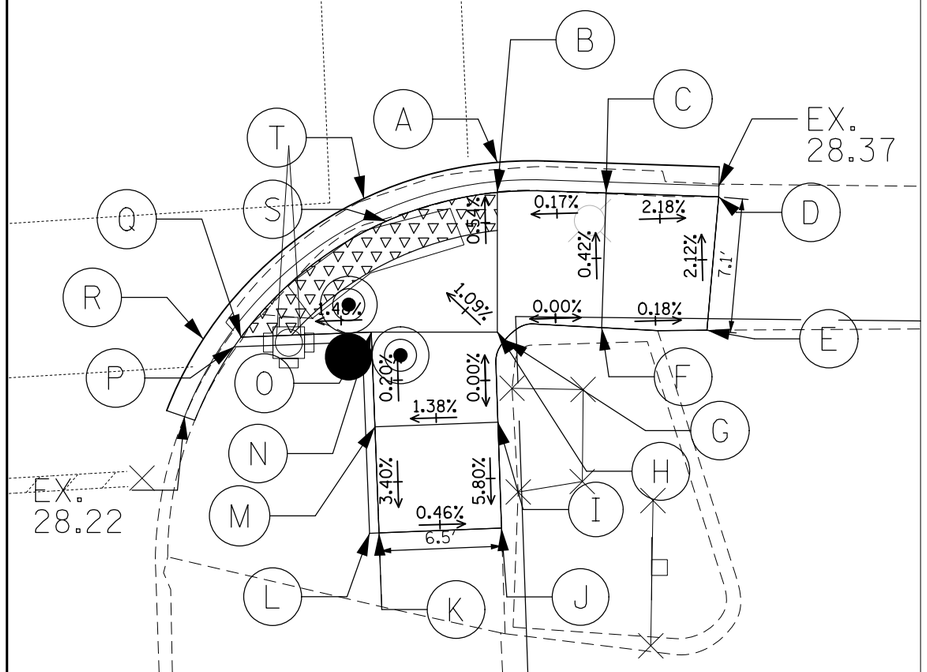
ADA PLANS
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

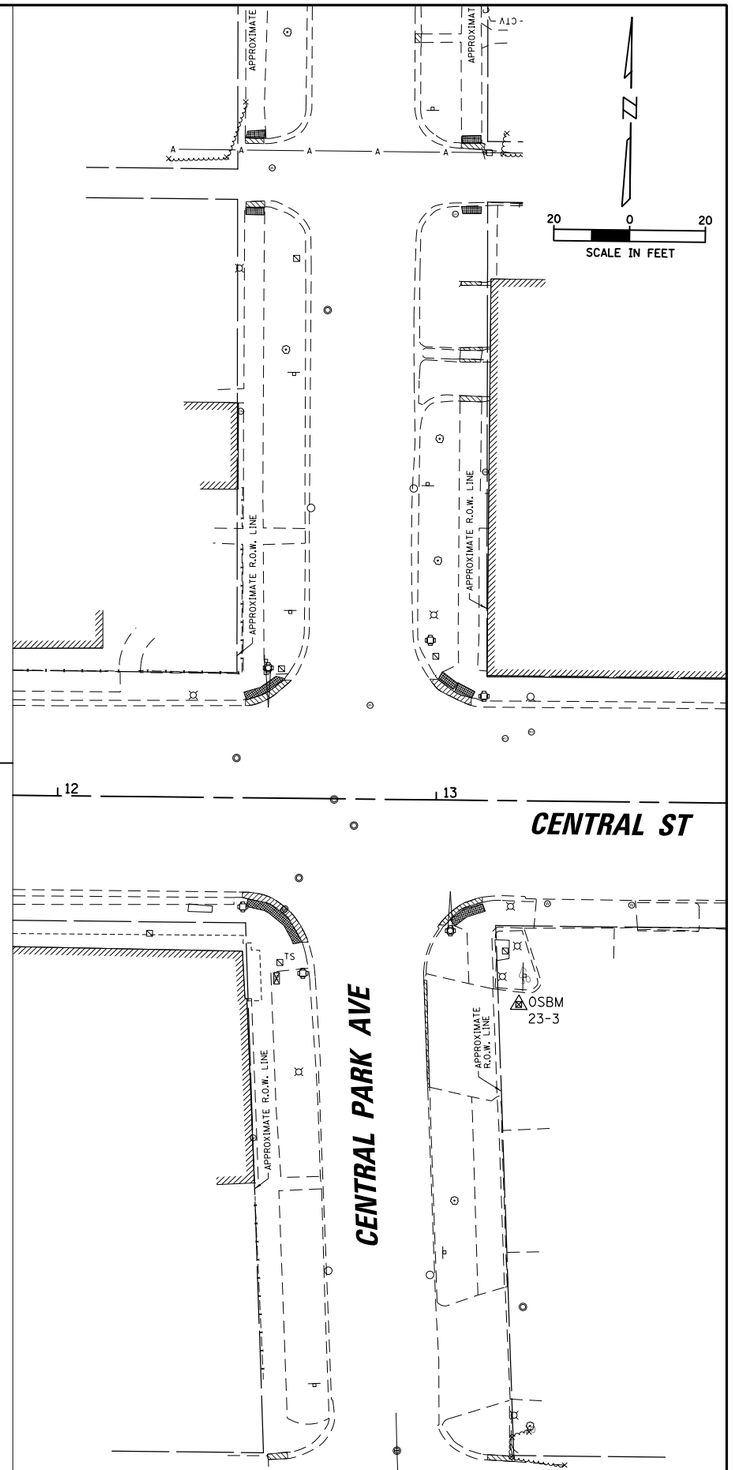
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	22
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



RAMP SW		
POINT	**PROPOSED ELEVATION**	**EXISTING ELEVATION**
A	28.51	28.45
B	28.48	28.48
C	28.51	28.39
D	28.20	28.20
E	28.50	28.50
F	28.79	28.79
G	28.93	28.93
H	29.01	29.01
I	28.93	28.73
J	28.79	28.79
K	28.86	28.86
L	28.84	28.84
M	28.71	28.72
N	28.77	28.77
O	28.75	28.75
P	28.78	28.77
Q	28.53	28.53
R	28.53	28.53
S	28.60	28.56
T	28.70	28.72
U	28.57	28.55
V	28.54	28.54
W	28.70	28.66



RAMP SE		
POINT	**PROPOSED ELEVATION**	**EXISTING ELEVATION**
A	28.48	28.48
B	28.51	28.53
C	28.52	28.48
D	28.39	28.39
E	28.54	28.54
F	28.55	28.46
G	28.55	28.45
H	28.55	28.46
I	28.55	28.37
J	28.26	28.26
K	28.29	28.29
L	28.29	28.29
M	28.46	28.43
N	28.45	28.54
O	28.53	28.53
P	28.58	28.58
Q	28.35	28.58
R	28.32	28.32
S	28.46	28.53
T	28.43	28.43



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PLAN / PROFILE
NOTE BOOK
NO.
SURVEYED
PLOTTED
GRADES CHECKED
ALIGNMENT CHECKED
R.O.W. MONUMENTED
STRUCTURE NOTATNS CHKD
CADD FILE NAME
BY
DATE

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	PLOT DATE = 4/14/2026	DATE -	REVISED -

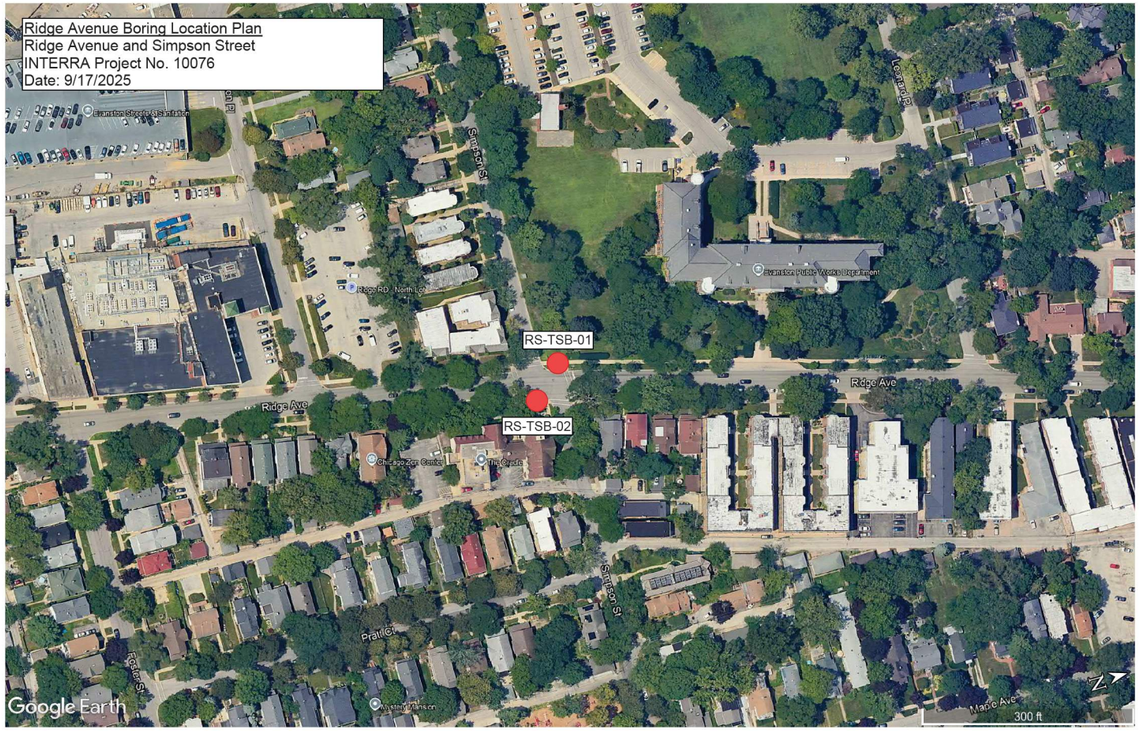
City of Evanston

ADA PLANS
CENTRAL STREET AT CENTRAL PARK AVENUE

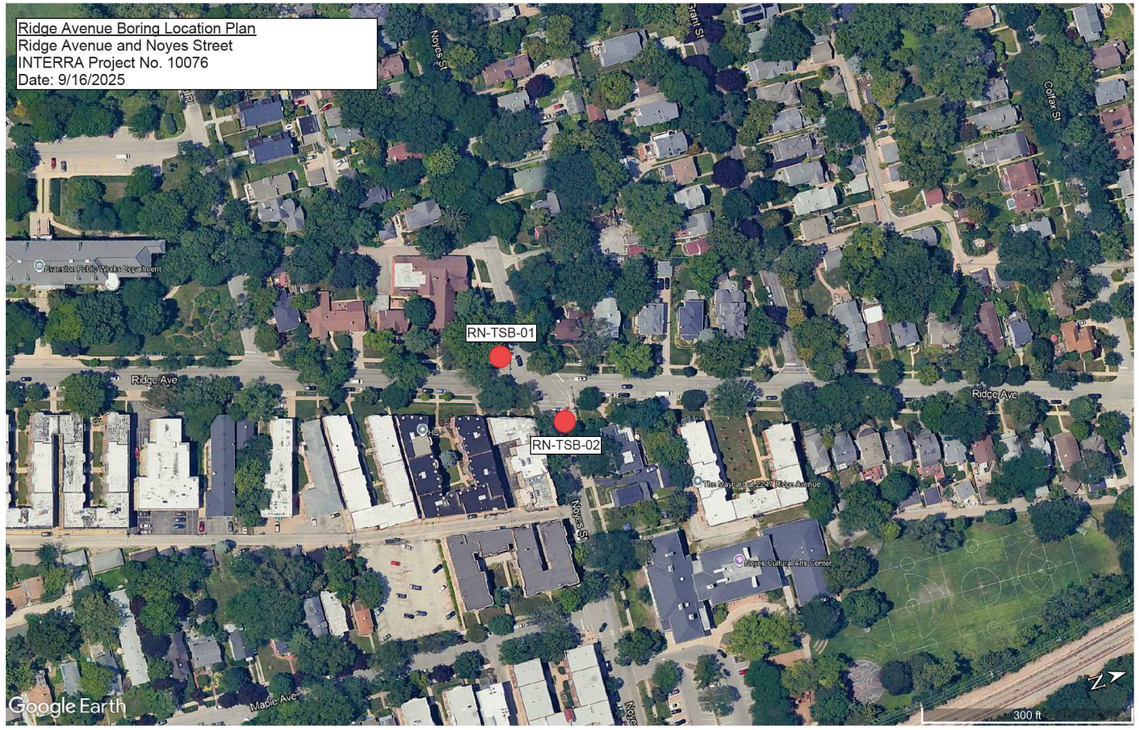
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F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	23
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

Ridge Avenue Boring Location Plan
Ridge Avenue and Simpson Street
INTERRA Project No. 10076
Date: 9/17/2025



Ridge Avenue Boring Location Plan
Ridge Avenue and Noyes Street
INTERRA Project No. 10076
Date: 9/16/2025



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

Page 1 of 1

SOIL BORING LOG

ROUTE Ridge Avenue DESCRIPTION Traffic Signal Boring LOGGED BY Sponaugle
SECTION NA LOCATION E: 1159610.4; N: 1963610.4
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-57 Auto (84% efficiency)
Date 9/17/25

STRUCT. NO. NA
Station NA
BORING NO. RS-TSB-01
Station NA
Offset
Ground Surface Elev. 615.20 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft
Groundwater Elev.:
First Encounter 599.2 ft
Upon Completion 595.1 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (8") 614.50			
	3		
Loose, yellowish Red (5YR 5/8) fine SAND, moist	2		4.8
	3		
612.20	4		
Medium dense, light yellowish Brown (10YR 6/4) fine SAND and GRAVEL, moist	6		
	8		5.1
-5	9		
	13		
	10		
	12		5.4
	16		
607.20			
Medium dense, light yellowish Brown (10YR 6/4) fine SAND, moist	3		
	9		3.7
-10	20		
	12		
Trace gravel	13		4.4
	16		
	5		
	8		6.2
-15	10		
No gravel, wet	6		
	7		27.0
	10		
597.20			
Medium dense, Gray (10YR 5/1) fine SAND, wet	6		
	6		24.0
-20	10		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
594.70			
Loose, Gray (10YR 5/1) SILTY LOAM, moist	2		
	1		42.6
592.20	4		
Loose, Gray (10YR 5/1) fine SANDY LOAM, wet	2		
	3		32.5
590.20 -25	4		
End of boring at 25'. Borehole backfilled with soil cuttings. Collected envrionmental sample (0'-5')			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

Page 1 of 1

SOIL BORING LOG

ROUTE Ridge Avenue DESCRIPTION Traffic Signal Boring LOGGED BY Sponaugle
SECTION NA LOCATION E: 1159821.8; N: 1963567.2
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-57 Auto (84% efficiency)
Date 9/17/25

STRUCT. NO. NA
Station NA
BORING NO. RS-TSB-02
Station NA
Offset
Ground Surface Elev. 614.30 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft
Groundwater Elev.:
First Encounter 599.8 ft
Upon Completion 593.2 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (6") 613.80			
Loose, dark yellowish Brown (10YR 4/4) fine SANDY LOAM (fill), trace gravel, trace concrete, moist	2		
	3		10.9
	3		
	3		
-5	4		7.7
608.80	2		
Medium dense, light yellowish Brown (10YR 6/4) fine SAND, little gravel, moist	3		
	7		6.5
	12		
	9		
-10	9		7.6
603.80	7		
Medium dense, light yellowish Brown (10YR 6/4) fine SAND and GRAVEL, moist	10		
	13		5.7
	15		
601.30			
Medium dense, light yellowish Brown (10YR 6/4) fine SAND, moist	5		
Wet at 14.5'	8		21.8
-15	10		
	5		
	6		24.4
	8		
596.30			
Loose, Gray (10YR 5/1) fine SANDY LOAM, wet	5		
	4		24.8
-20	5		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose, Gray (10YR 5/1) fine SANDY LOAM, wet *(continued)*	3		
	3		24.2
	3		
	2		
	4		41.1
589.30 -25	2		
End of boring at 25'. Borehole backfilled with soil cuttings.	4		
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

Page 1 of 1

SOIL BORING LOG

ROUTE Ridge Avenue DESCRIPTION Traffic Signal Boring LOGGED BY Sponaugle
SECTION NA LOCATION E: 1160025.8; N: 1964516.8
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-57 Auto (84% efficiency)
Date 9/16/25

STRUCT. NO. NA
Station NA
BORING NO. RN-TSB-01
Station NA
Offset
Ground Surface Elev. 613.60 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft
Groundwater Elev.:
First Encounter 602.6 ft
Upon Completion 593.9 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (8") 612.90			
Loose, yellowish Brown (10YR 5/6) fine SAND, little gravel, moist	2		
	3		4.6
	2		
	5		
	3		
-5	4		5.2
608.10	4		
Medium dense, light yellowish Brown (10YR 6/4) fine SAND and GRAVEL, moist	2		
	4		4.1
	6		
	7		
Loose	4		
	2		4.0
-10	2		
603.10			
Medium dense, light yellowish Brown (10YR 6/4) fine SAND, wet	4		
	5		23.3
	10		
	3		
	5		22.8
-15	7		
598.10			
Very loose, Gray (10YR 5/1) fine SANDY LOAM, wet	3		
	0		38.5
	1		
	1		
Loose	1		28.1
-20	3		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
593.10			
Very stiff, Gray (10YR 5/1) SILTY CLAY, medium plasticity, moist	6		
	6		22.2
	10	3.0 P	
	6		
Hard	7		19.1
588.60 -25	9	5.3 B	
End of boring at 25'. Borehole backfilled with soil cuttings. Collected envrionmental sample (0'-5')			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

Page 1 of 1

SOIL BORING LOG

ROUTE Ridge Avenue DESCRIPTION Traffic Signal Boring LOGGED BY Sponaugle
SECTION NA LOCATION E: 1160139.3; N: 1964580.1
COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-57 Auto (84% efficiency)
Date 9/16/25

STRUCT. NO. NA
Station NA
BORING NO. RN-TSB-02
Station NA
Offset
Ground Surface Elev. 612.60 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft
Groundwater Elev.:
First Encounter 601.1 ft
Upon Completion 592.3 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (10") 611.70			
Loose, yellowish Brown (10YR 5/6) fine SAND, little gravel, moist	5		
	3		7.9
590.60	4		
Very stiff, Gray (10YR 5/1) SILTY CLAY, medium plasticity, moist	5		
	3		11.8
-5	3		
	4		
607.10			
Loose, light yellowish Brown (10YR 6/4) fine SAND, trace gravel, moist	4		
	3		6.3
	6		
	5		
Medium dense	8		6.8
-10	10		
No gravel	5		
Wet at 11.5'	8		24.2
	10		
	5		
	9		25.1
-15	12		
597.10			
Loose, Gray (10YR 5/1) fine SANDY LOAM, wet	6		
	6		28.0
	2		
	3		
-20	3		24.7
	5		

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Loose, Gray (10YR 5/1) fine SANDY LOAM, wet *(continued)*	3		
	4		21.8
	6	3.2 B	
Hard	8		20.1
587.60 -25	13	5.1 B	
End of boring at 25'. Borehole backfilled with soil cuttings.			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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TERRA ENGINEERING LTD.

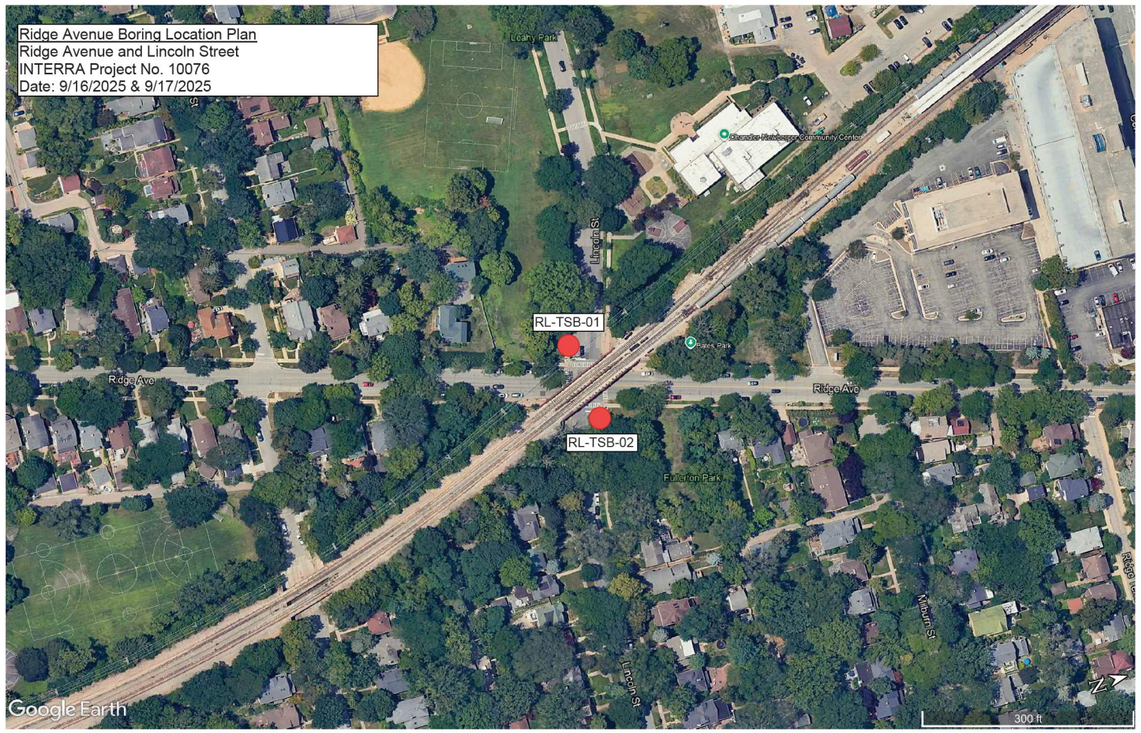
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	DRAWN - XEL		REVISED -
	CHECKED - TPD		REVISED -
PLOT DATE = 5/1/2026	DATE -		REVISED -

City of Evanston

SOIL BORINGS
RIDGE AVENUE

SCALE: SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	13
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 9/17/25

ROUTE Ridge Avenue DESCRIPTION Traffic Signal Boring LOGGED BY Sponaugle

SECTION NA LOCATION E: 1160385.4; N: 1965791.1

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-57 Auto (84% efficiency)

STRUCT. NO. NA
Station NA

BORING NO. RL-TSB-01
Station NA
Offset
Ground Surface Elev. 606.70 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 600.2 ft
Upon Completion 586.3 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
TOPSOIL (10") 605.90			
Loose, brownish Yellow (10YR 6/6) fine SAND, trace gravel, moist	2		
	3		5.7
	6		
	7		
	4		
Medium dense, no gravel	6		4.9
-5	7		
	8		
	4		
Wet at 6.5'	5		26.9
598.70	5		
Medium dense, Gray (10YR 5/1) fine SAND, wet	3		
	5		24.5
-10	6		
	5		
	5		26.5
593.70	6		
Very stiff, Gray (10YR 5/1) SILTY CLAY, trace gravel, medium plasticity, moist	2		
	3		13.2
-15	5	3.6 B	
591.20			
Hard, Gray (10YR 5/1) SILTY CLAY LOAM, low plasticity, moist	6		
	6		16.7
	12	4.9 B	
588.70			
Stiff, Gray (10YR 5/1) SILTY CLAY, trace gravel, medium plasticity, moist	3		
	5		25.1
-20	8	1.6	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
Stiff, Gray (10YR 5/1) SILTY CLAY, trace gravel, medium plasticity, moist *(continued)*			B
	2		
Medium stiff, no gravel	3		23.4
	4	0.9 B	
583.20			
Very soft, grayish Bown (10YR 5/2) SILTY CLAY, trace gravel, medium plasticity, moist	P		
-25 Shelby tube 23.5-25.5	U S H	<0.25 P	24.1
581.20			
End of boring at 25.5' Borehole backfilled with soil cuttings.			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

Interra, Inc.
600 Territorial Drive, Suite G
Bolingbrook, IL 60440
www.interraservices.com

SOIL BORING LOG

Date 9/16/25

ROUTE Ridge Avenue DESCRIPTION Traffic Signal Boring LOGGED BY Sponaugle

SECTION NA LOCATION E: 1160498.1; N: 1965805.7

COUNTY Cook DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-57 Auto (84% efficiency)

STRUCT. NO. NA
Station NA

BORING NO. RL-TSB-02
Station NA
Offset
Ground Surface Elev. 607.00 ft

Surface Water Elev. NA ft
Stream Bed Elev. NA ft

Groundwater Elev.:
First Encounter 600.5 ft
Upon Completion 586.7 ft
After Hrs. Filled ft

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
ASPHALT (3") 606.70			
CONCRETE (12") 605.70	6		
CRUSHED STONE (6") 605.10	5		5.4
Loose, Brown (10YR 5/3) fine SAND, moist	4		
	3		
	2		
-5	3		6.1
	4		
	6		
Wet at 6'	3		
	3		26.0
599.00	6		
Loose, Gray (10YR 5/1) fine SAND, wet	2		
-10	2		27.7
596.50	5		
Loose, Gray (10YR 5/1) fine SANDY LOAM, wet	4		
	3		31.5
594.00	6		
Hard, Gray (10YR 5/1) SILTY CLAY, medium plasticity, moist	3		
	5		21.7
-15	10	4.9 B	
	2		
Very stiff	5		17.2
	10	3.4 B	
589.00			
Hard, Gray (10YR 5/1) SILTY CLAY LOAM, trace gravel, medium plasticity, moist	4		
	6		17.3
-20	12	4.6	

DEPTH (ft)	BLOWS (/6")	UCS Qu (tsf)	MOIST (%)
586.50			B
Medium stiff, Gray (10YR 5/1) SILTY CLAY, trace gravel, medium plasticity, moist	0		
	3		20.3
	3	1.0 B	
583.50			
No recovery	0		
-25	0		
582.00	0		
Advanced Shelby tube	P		
	U S H	<0.25 P	21.7
580.00			
End of boring at 27'. Borehole backfilled with soil cuttings and concrete. Collected envrionmental sample (0'-5')			
-30			
-35			
-40			

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)

BBS, from 137 (Rev. 8-99)

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TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED -		REVISED -
	DRAWN - XEL		REVISED -
	CHECKED - TPD		REVISED -
PLOT DATE = 10/14/2026	DATE -		REVISED -

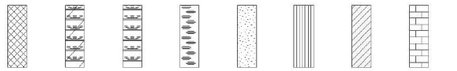
City of Evanston

SOIL BORINGS
RIDGE AVENUE

SCALE: SHEET 2 OF 2 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	14
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

LEGEND FOR BORING LOGS



SAMPLE TYPE

SS = Split-Spoon
ST = Thin-Walled Tube
A = Auger
MC = Macro-Core (Geoprobe)

WATER LEVEL OBSERVATIONS

▼ While Drilling
▽ End of Boring
▼ 24 Hours

FIELD AND LABORATORY TEST DATA

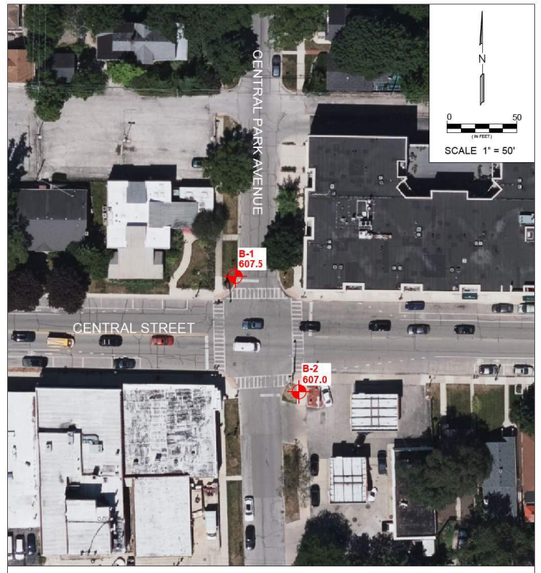
N = Standard Penetration Resistance in Blows per Foot (bpf)
WC = In-Situ Water Content (%)
Qu = Unconfined Compressive Strength in Tons per Square Foot (tsf)
* = Pocket Penetrometer Reading: Maximum Value = 4.5 tsf
γ_{dry} = Dry Unit Weight in Pounds per Cubic Foot (pcf)

SOIL DESCRIPTIONS:

MATERIAL	PARTICLE SIZE RANGE
BOULDER	Over 12 inches
COBBLE	12 inches to 3 inches
Large GRAVEL	3 inches to ¾ inch
Small GRAVEL	¾ inch to No. 4 Sieve
Coarse SAND	No. 4 Sieve to No. 10 Sieve
Medium SAND	No. 10 Sieve to No. 40 Sieve
Fine SAND	No. 40 Sieve to No. 200 Sieve
SILT and CLAY	Passing No. 200 Sieve

COHESIVE SOILS		COHESIONLESS SOILS	
CONSISTENCY	Qu (tsf)	RELATIVE DENSITY	N (bpf)
Very Soft	Less than 0.25	Very Loose	0 – 3
Soft	0.25 to 0.5	Loose	4 – 9
Medium Stiff	0.5 to 1.0	Medium Dense	10 – 29
Stiff	1.0 to 2.0	Dense	30 – 49
Very Stiff	2.0 to 4.0	Very Dense	50 and over
Hard	4.0 and over		

MODIFYING TERM	PERCENT BY WEIGHT
Trace	1 – 10
Little	10 – 20
Some	20 – 35



BORING LOCATION PLAN
TRAFFIC SIGNAL MODERNIZATION
CENTRAL STREET & CENTRAL PARK AVENUE
EVANSTON, ILLINOIS

LEGEND
SOIL BORING LOCATION

NOTE:
GROUND SURFACE ELEVATIONS AT THE BORINGS WERE ACQUIRED BY TSC USING A TRIMBLE R12 GNSS RECEIVER, BEING ROUNDED TO THE NEAREST 0.5 FOOT.

TESTING SERVICE CORP.
457 EAST GUNDERSEN DRIVE
CAROL STREAM, ILLINOIS 60188

DRAWN BY:	FFE
CHECKED BY:	TRP
JOB NO.:	L-95,975
DATE:	08-08-23
PAGE NO.	1 OF 1

PROJECT Traffic Signal Modernization, Central St. & Central Park Ave., Evanston, IL
CLIENT Christopher B. Burke Engineering, Ltd., 9575 West Higgins Road, Rosemont, IL
BORING 1 DATE STARTED 8-1-23 DATE COMPLETED 8-1-23 JOB L-95,975
ELEVATIONS: GROUND SURFACE 607.5; END OF BORING 582.5
WATER LEVEL OBSERVATIONS: ▼ WHILE DRILLING Dry; ▽ AT END OF BORING Dry; ▼ 24 HOURS

SAMPLE NO.	SAMPLE TYPE	LENGTH RECOVERY	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
							0.4	607.1	5" P.C. Concrete
1	SS		7	25.3	2.43 2.25*				Very stiff to stiff brown trace gray silty CLAY, little sand, trace gravel, moist to very moist (CL)
2	SS		5	25.7	1.5 1.5*				
3	SS		6	27.6	2.25*		5.5	602.0	Very stiff brown trace gray silty CLAY, trace sand and gravel, moist (CL)
4	SS		10	28.1	2.56 2.5*				
5	SS		8	29.7	1.0*		10.5	597.0	Stiff gray silty CLAY, trace sand and gravel, very moist (CL)
6	SS		10	21.9	2.49 2.25*		13.0	594.5	Very stiff gray silty CLAY, little sand, trace gravel, moist (CL)
7	SS		11	19.5	3.25*				
8	SS		8	16.3	1.70 1.75*		18.0	589.5	Stiff gray silty CLAY, little sand and gravel, moist to very moist (CL)
9	SS		9	17.1	1.5*				
10	SS		7	17.1	1.17 1.0*				
							25.0	582.5	End of Boring at 25.0'

* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

DISTANCE BELOW SURFACE IN FEET: 0, 5, 10, 15, 20, 25, 30
DRILL RIG NO. 358
Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.
TSC 95975.GPJ TSC_ALL.GDT 8/10/23

PROJECT Traffic Signal Modernization, Central St. & Central Park Ave., Evanston, IL
CLIENT Christopher B. Burke Engineering, Ltd., 9575 West Higgins Road, Rosemont, IL
BORING 2 DATE STARTED 8-1-23 DATE COMPLETED 8-1-23 JOB L-95,975
ELEVATIONS: GROUND SURFACE 607.0; END OF BORING 582.0
WATER LEVEL OBSERVATIONS: ▼ WHILE DRILLING Dry; ▽ AT END OF BORING Dry; ▼ 24 HOURS

SAMPLE NO.	SAMPLE TYPE	LENGTH RECOVERY	N	WC	Qu	γ_{DRY}	DEPTH	ELEV.	SOIL DESCRIPTIONS
							1.2	605.8	Black clayey TOPSOIL (OL)
1	SS		7	25.5	1.50 1.75*				Stiff brown trace gray silty CLAY, little sand, trace gravel, moist to very moist (CL)
2	SS		6	22.5	1.04 1.25*				
3	SS		10	26.5	4.0*		5.5	601.5	Hard to very stiff brown and gray silty CLAY, trace sand and gravel, moist (CL)
4	SS		7	28.4	2.34 2.0*				
5	SS		9	15.2	4.5*		10.5	596.5	Hard to very stiff gray silty CLAY, little sand and gravel, moist (CL)
6	SS		8	17.2	2.04 2.25*				
7	SS		9	15.4	1.75*		15.0	592.0	Stiff gray silty CLAY, little sand and gravel, moist to very moist (CL)
8	SS		8	16.3	1.50 1.25*				
9	SS		8	17.2	1.0*				
10	SS		8	18.0	1.10 1.0*				
							25.0	582.0	End of Boring at 25.0'

* Approximate unconfined compressive strength based on measurements with a calibrated pocket penetrometer.

DISTANCE BELOW SURFACE IN FEET: 0, 5, 10, 15, 20, 25, 30
DRILL RIG NO. 358
Division lines between deposits represent approximate boundaries between soil types; in-situ, the transition may be gradual.
TSC 95975.GPJ TSC_ALL.GDT 8/10/23

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, BLA WORKSHEET, CADD FILE NAME, NOTE BOOK, NO., BY, DATE
PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, BLA WORKSHEET, STRUCTURE NO(S), FNS, CHK'D, BY, DATE

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		DRAWN - KC	REVISED -
	PLOT SCALE = 40'	CHECKED - MLM	REVISED -
	PLOT DATE = 4/14/2026	DATE -	REVISED -

City of Evanston

SOIL BORINGS
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	26
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

TRAFFIC SIGNAL LEGEND

ITEM	EXISTING	PROPOSED
Traffic Signal Cabinet		
Uninterruptable Power Supply		
Communication Cabinet	ECC	CC
Master Controller	EMC	MC
Master Master Controller	EMMC	MMC
Service Installation -(P) Pole Mounted	P	P
Service Installation -(G) Ground Mounted -(GM) Ground Mounted Metered	G GM	G GM
Cellular Modem	CM	CM
Telephone Connection	ET	T
Steel Mast Arm Assembly and Pole		
Aluminum Mast Arm Assembly and Pole		
Steel Combination Mast Arm Assembly and Pole with Luminaire		
Signal Post -(BM) Barrel Mounted - Temporary		BM
Wood Pole		
Guy Wire		
Signal Head		
Signal Head with Backplate		
Signal Head - Programmable	P P	P P
Flasher Installation -(FS) Solar Powered	F FS F FS	F FS F FS
Pedestrian Signal Head		
Pedestrian Push Button -(APS) Accessible Pedestrian Push Button	APS	APS
Radar Detection Sensor	R	R
Video Detection Camera	V	V
Radar/Video Detection Zone		
Pan, Tilt, Zoom (PTZ) Camera	PTZ	PTZ
Emergency Vehicle Light Detector		
Confirmation Beacon		
Wireless Interconnect		
Wireless Interconnect Radio Repeater	ERR	RR
Wireless Access Point		

ITEM	EXISTING	PROPOSED
Handhole -Square -Round		
Double Handhole		
Heavy Duty Handhole -Square -Round	H	H
Junction Box	J	J
Railroad Cantilever Mast Arm		
Railroad Flashing Signal		
Railroad Crossing Gate		
Railroad Crossbuck		
Railroad Controller Bungalow		
Underground Conduit (UC), Galvanized Steel		
Temporary Span Wire, Tether Wire, and Cable		
System Item	S	SP
Intersection Item	I	IP
Removal Item		R
Relocate Item		RL
Abandon Item		A
Controller Cabinet and Foundation to be Removed		RCF
Mast Arm Pole and Foundation to be Removed		RMF
Signal Post and Foundation to be Removed		RPF
Detector Loop, Type I		
Preformed Detector Loop	P	P
Wireless Detector Sensor	W	W

ITEM	EXISTING	PROPOSED
Signal Head -(P) Programmable Signal Head -(EV) Elongated Visors	R Y G; P; EV	R Y G; P; EV
Signal Head with Backplate -(RB) Retroreflective Backplate -(P) Programmable Signal Head -(EV) Elongated Visors	R Y G; RB; P; EV	R Y G; RB; P; EV
Pedestrian Signal Head with Countdown Timer	C D	C D
Illuminated LED Sign "NO LEFT TURN"/"NO RIGHT TURN"		
Electric Cable, Signal, No. 14 - 2/C, 3/C, 5/C, 7/C	5	5
Electric Cable, Lead-In, No. 14, 1 Pair	1P	1P
Service Cable, 2/C - No. 2, No. 4, No. 6	2#2 2#4 2#6	2#2 2#4 2#6
Ground Cable No. 6 Solid Copper (Green), 1/C	1#6	1#6
Electric Cable, Tracer, No. 14, 1/C	1	1
Electric Cable, Railroad, No. 14, 3/C	Railroad No. 14 3/C 3	Railroad No. 14 3/C 3
Electric Cable, Street Name Sign No. 14, 3/C, Type SOOW	SOOW 3	SOOW 3
Vendor Cable	V	V
Emergency Vehicle Priority Line Sensor Cable, No. 20, 3/C	3#20	3#20
Outdoor Rated Network Cable	ONC	ONC
Fiber Optic Cable -12F: 12 Multimode -24F: 12 Multimode / 12 Single Mode -36F: 12 Multimode / 24 Single Mode -24SM: 24 Single Mode -48SM: 48 Single Mode	12F 24F 36F 24SM 48SM	24F 36F 24SM 48SM
Ground Rod -(C) Controller -(M) Mast Arm -(P) Post -(S) Service	C M P S	C M P S

MODEL: D1 TS Details-1 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5384\0025-237-SHT-TS D1 DETAILS.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL		DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
PLOT DATE = 12/19/2025		DATE -	REVISED -

City of Evanston

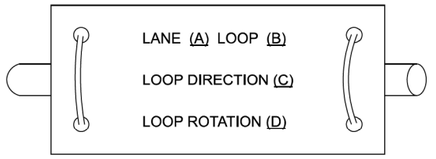
TRAFFIC SIGNAL DETAIL (DISTRICT ONE)
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET 1 OF 8 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	27
CONTRACT NO.				
ILLINOIS	FED. AID PROJECT			

DETECTOR LOOP NOTES:

1. LOOPS SHALL BE SPLICED IN SERIES.
2. SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" AT A DEPTH OF 3". IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
3. LOOP CORNERS SHALL BE DRILLED WITH A 2" DIAMETER CORE.
4. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NON-METALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6". EMPTY COILABLE NON-METALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE DETECTOR LOOP PAY ITEM.
5. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
6. EACH LEAD-IN CABLE SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP NUMBER, LOOP DIRECTION (IN OR OUT), AND LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE) IN WATER PROOF INK. SEE DETECTOR LOOP LEAD-IN CABLE TAG DETAIL. THE CONTRACTOR SHALL MARK THE LOOP LOCATIONS ON THE RECORD DRAWINGS AND PRESENT THEM TO THE ENGINEER AFTER THE FINAL INSPECTION.
7. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
8. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND THE DIVE HOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" APART.
9. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS.
10. PREFORMED DETECTOR LOOPS SHALL BE USED WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.



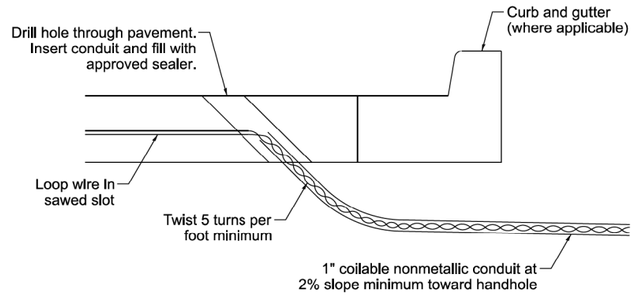
A. Lane 1 is the lane closest to the centerline of the roadway.

B. Loop #1 is the loop closest to the intersection.

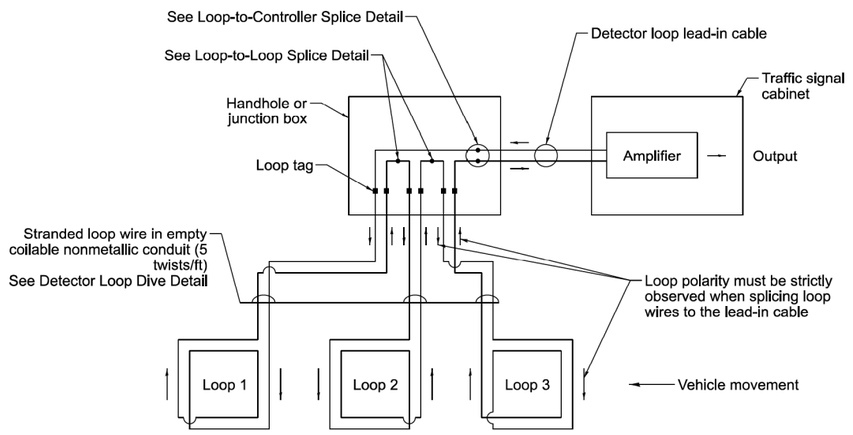
C. Label loop cable "in" or loop cable "out".

D. Label loop cable clockwise or loop cable counterclockwise.

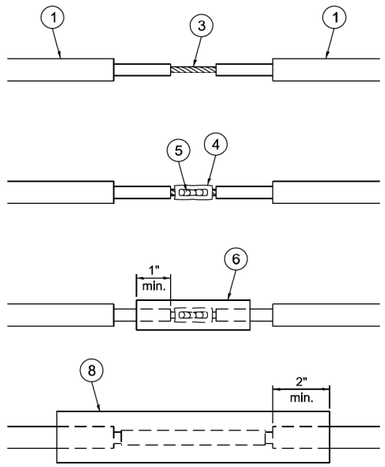
DETECTOR LOOP LEAD–IN CABLE TAG



DETECTOR LOOP DIVE DETAIL



DETECTOR LOOP WIRING SCHEMATIC



LOOP–TO–LOOP SPLICE DETAIL

(1) Detector loop cable.

(2) Detector loop lead-in cable

(3) Bare conductors twisted together.

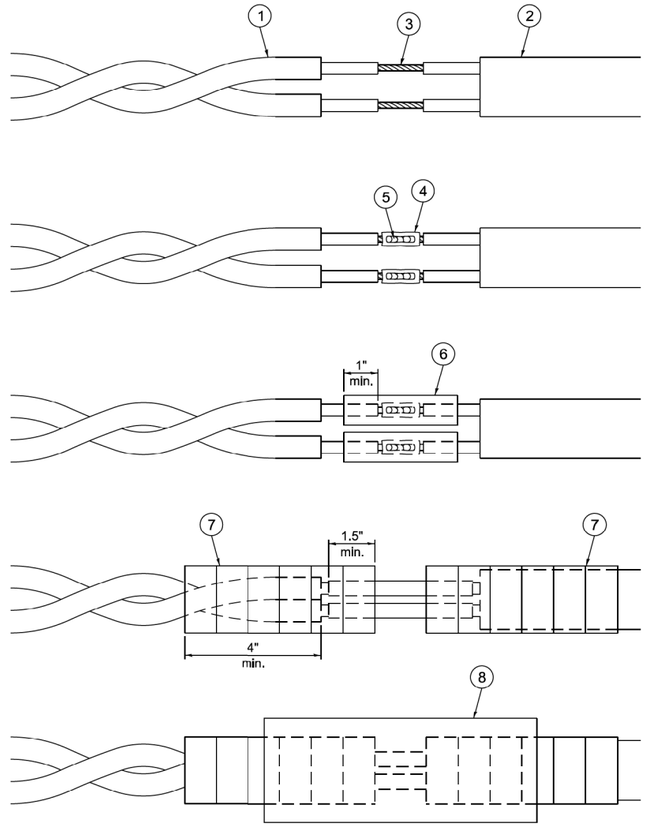
(4) Butt splice crimp connector.

(5) Splice soldered with rosin core flux. All exposed surfaces of the solder shall be smooth. The splices shall be staggered.

(6) WCSMW 30/100 heat shrink tube, 3" minimum length, underwater grade.

(7) Self-infused, silicone electrical tape tightly wrapped around cables.

(8) WCS 200/750 heat shrink tube, 8" minimum length, underwater grade.



LOOP–TO–CONTROLLER SPLICE DETAIL

MODEL: D1 TS Details-2 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms53640\25-237-SHT-TS D1 DETAILS.dgn

TERRA ENGINEERING LTD.	USER NAME = XianL	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
	PLOT DATE = 12/19/2025	DATE -	REVISED -

City of Evanston

TRAFFIC SIGNAL DETAIL (DISTRICT ONE)
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

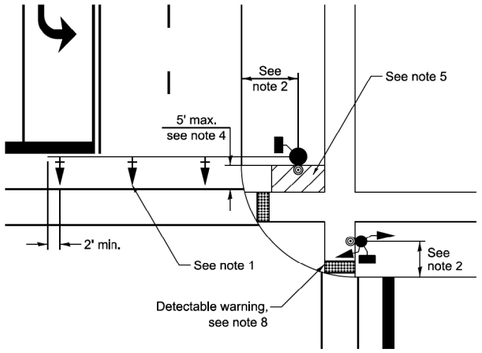
SCALE: | SHEET 2 OF 8 SHEETS | STA. | TO STA.

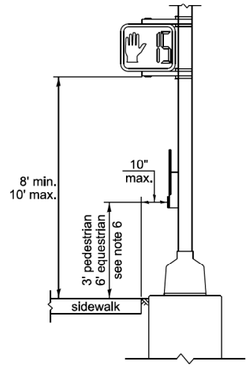
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			64	28.
		CONTRACT NO.		
		ILLINOIS FED. AID PROJECT		

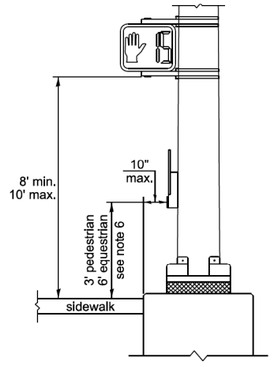
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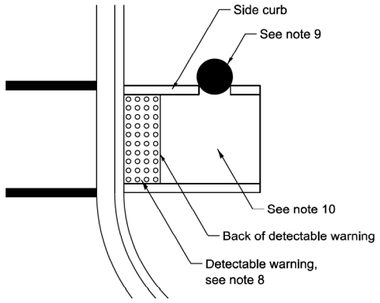
1. THE MAST ARM MOUNTED SIGNAL HEADS SHALL BE CENTERED ON THE LANES OR AS SHOWN ON THE TRAFFIC SIGNAL PLANS.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS TABLE.
3. A 4' MINIMUM UNOBSTRUCTED PEDESTRIAN ACCESS ROUTE SHALL BE MAINTAINED.
4. THE PUSH-BUTTON SHALL BE LOCATED 5' OR LESS FROM THE OUTSIDE EDGE OF THE MARKED CROSSWALK FARTHEST FROM THE INTERSECTION FOR THE CROSSWALK THAT THE PUSH-BUTTON CONTROLS.
5. IF THE MAST ARM POLE OR SIGNAL POST WHERE THE PUSH-BUTTON IS TO BE INSTALLED IS NOT IMMEDIATELY ADJACENT TO THE SIDEWALK, PROVIDE A FIRM, STABLE, AND SLIP RESISTANT SURFACE UP TO THE MAST ARM POLE OR SIGNAL POST. THE MINIMUM PAVED AREA IN FRONT OF THE PUSH-BUTTON SHALL BE 2.5' X 4'. IF THIS DOES NOT MEET THE REQUIREMENT STATED IN NOTE 3, A SEPARATE PEDESTRIAN SIGNAL POST SHALL BE INSTALLED TO PLACE THE PUSH-BUTTON ADJACENT TO THE SIDEWALK SURFACE.
6. THE HEIGHT OF THE PEDESTRIAN PUSH-BUTTON SHALL BE 36". IF APPROVED BY THE AREA TRAFFIC SIGNAL ENGINEER, THE PUSH-BUTTON MAY BE LOCATED AT A HEIGHT BETWEEN 30" AND 42". THE HEIGHT OF THE EQUESTRIAN PUSH-BUTTON SHAL BE 72" OR AS DIRECTED BY THE ENGINEER.
7. THE FACE OF THE PUSH-BUTTON SHALL BE PARALLEL TO THE CROSSWALK IT CONTROLS.
8. THE PUSH-BUTTON SHALL BE LOCATED BEHIND THE DETECTABLE WARNING.
9. WHERE A PUSH-BUTTON IS BEING INSTALLED ON A MAST ARM POLE OR SIGNAL POST ADJACENT TO THE PEDESTRIAN ACCESS ROUTE, THE PROPOSED FOUNDATION SHALL BE INSTALLED WITHIN THE SIDE CURB IN ORDER TO MEET THE 10" REACH REQUIREMENT.
10. THE SIDEWALK PANEL IN FRONT OF THE PUSH-BUTTON SHALL HAVE A SLOPE LESS THAN 5%.
11. WHERE TWO PEDESTRIAN PUSH-BUTTONS ARE PROVIDED ON THE SAME CORNER, THEY SHALL BE 10' OR MORE APART. EXCEPTION: IN ALTERATIONS WHERE TECHNICALLY INFEASIBLE TO PROVIDE 10' SEPARATION BETWEEN PUSH-BUTTONS ON THE SAME CORNER.
12. CORRESPONDING PEDESTRIAN EQUIPMENT (SIGNAL HEAD AND PUSH-BUTTON) SHALL BE INSTALLED ON THE SAME POST CLOSEST TO THE CROSSWALK IT CONTROLS.
13. PEDESTRIAN SIGNAL HEADS INSTALLED ON MAST ARM POLES OR SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' OR MORE THAN 10' ABOVE SIDEWALK LEVEL. PEDESTRIAN SIGNAL HEADS INSTALLED ON PEDESTRIAN SIGNAL POSTS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) NOT LESS THAN 8' ABOVE SIDEWALK LEVEL. THE PEDESTRIAN SIGNAL HEADS SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
14. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

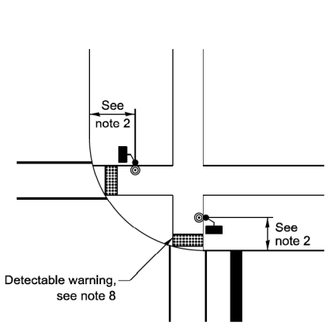


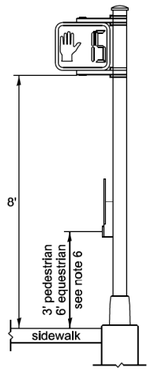


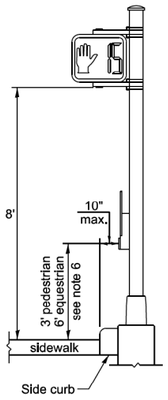




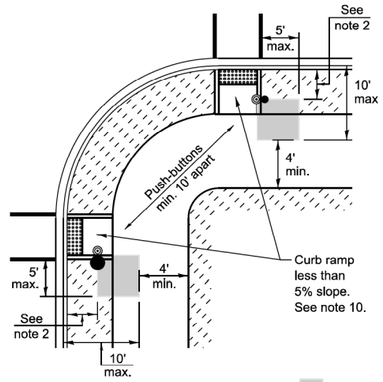
PEDESTRIAN SIGNAL POST

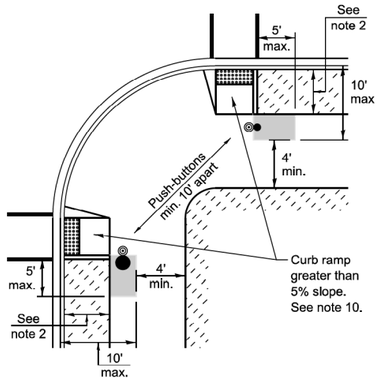






PUSH–BUTTON LOCATIONS





Preferred push-button location

TRAFFIC SIGNAL EQUIPMENT	BARRIER CURB (MINIMUM DISTANCE FROM THE BACK OF CURB TO THE CENTER OF THE FOUNDATION)	SHOULDER / NON-BARRIER CURB (MINIMUM DISTANCE FROM THE EDGE LINE OF THE RIGHT-MOST LANE TO THE CENTER OF THE FOUNDATION)
Mast arm assembly and pole	6'	Shoulder width + 2', minimum 10'
Signal post	4'	Shoulder width + 2', minimum 10'
Pedestrian signal post	4'	4' - See note 2
Temporary wood pole	6'	Shoulder width + 2', minimum 10'
Traffic signal cabinet	6' - See Note 3	Shoulder width + 6', minimum 16' - See note 3
Service cabinet	6' - See Note 3	Shoulder width + 6', minimum 16' - See note 3

TRAFFIC SIGNAL EQUIPMENT OFFSET MINIMUMS

NOTES:

1. CONTACT THE AREA TRAFFIC SIGNAL ENGINEER FOR ASSISTANCE LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS AND THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF THE DETECTABLE WARNING.
3. MINIMUM DISTANCE TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" TABLE AND THE TRAFFIC SIGNAL PLAN COULD AFFECT THE PLACEMENT OF THE TRAFFIC SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS, AND THE PEDESTRIAN PUSH-BUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THESE REQUIREMENTS. THE LOCATIONS OF THE PEDESTRIAN PUSH-BUTTONS AND PEDESTRIAN SIGNAL HEADS SHALL MEET THE REQUIREMENTS OF THE MUTCD, PROWAG, AND THE REQUIREMENTS ON THIS DETAIL SHEET.

MODEL: D1 TS Details-3 [Sheet]
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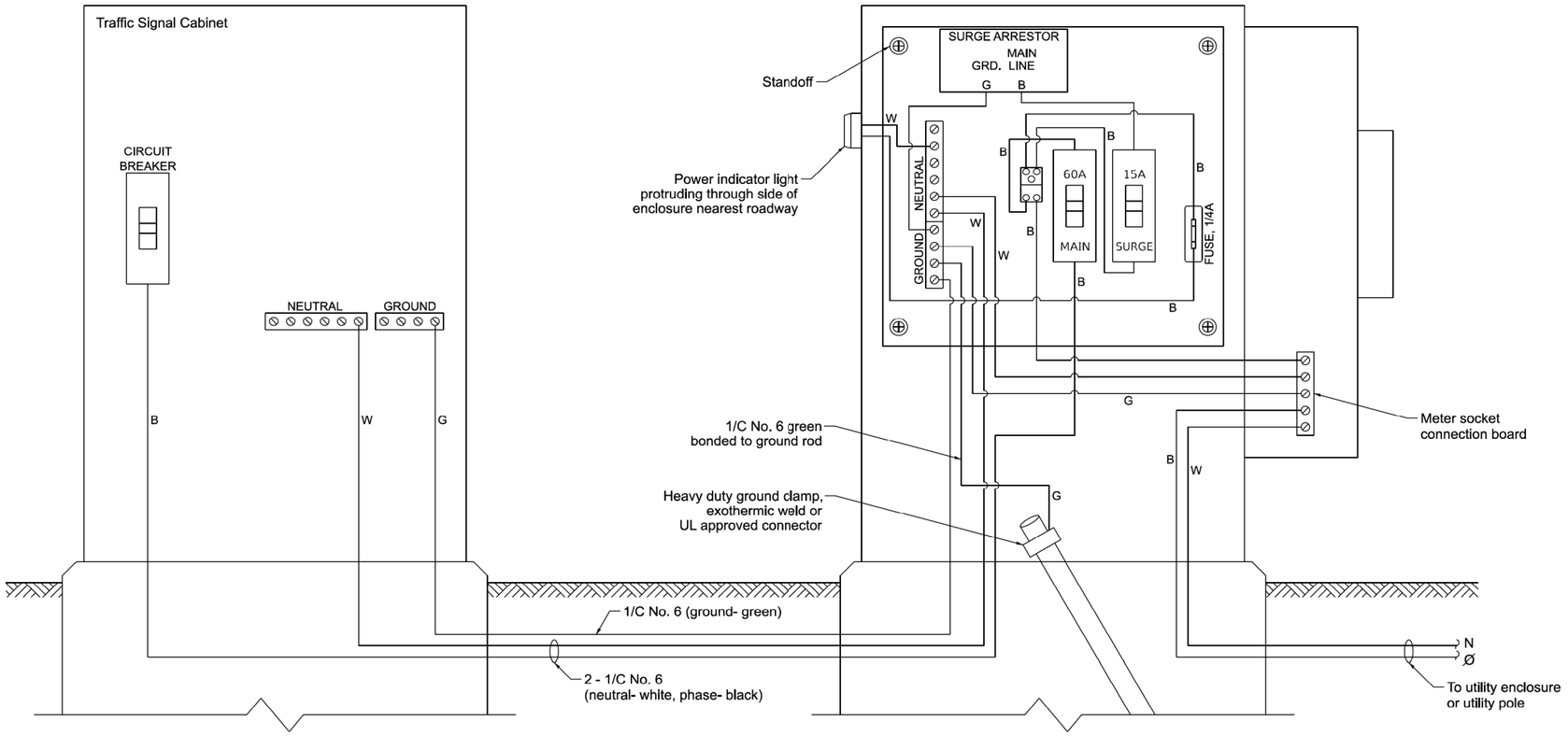
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PLOT DATE = 12/19/2025	DATE -	REVISED -

City of Evanston

TRAFFIC SIGNAL DETAIL (DISTRICT ONE)
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET 3 OF 8 SHEETS | STA. | TO STA.

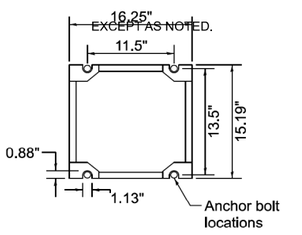
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			64	29
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



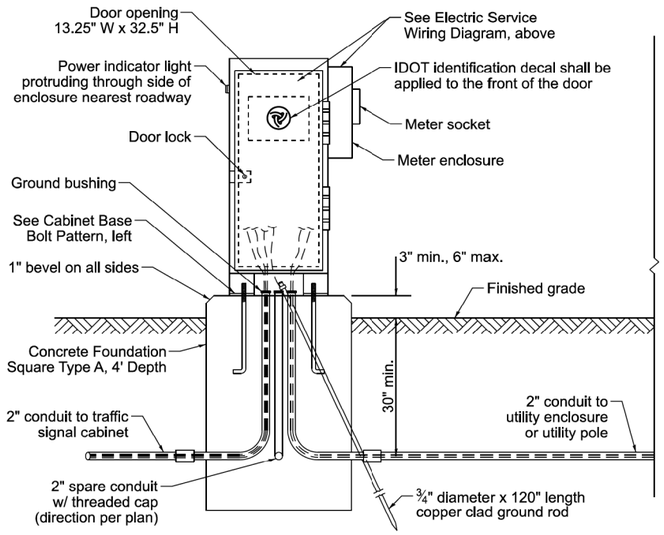
ELECTRIC SERVICE WIRING DIAGRAM IN GROUND MOUNTED SERVICE CABINET

NOTES:

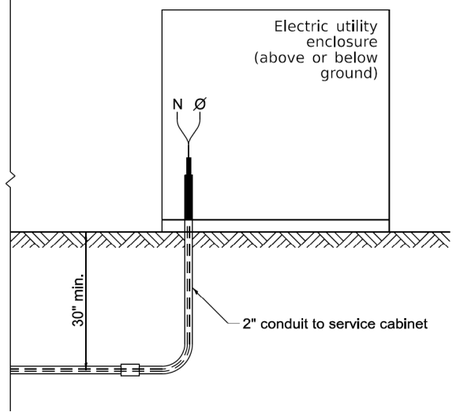
1. THE GROUND MOUNTED SERVICE CABINET IS TO BE LOCATED BETWEEN THE TRAFFIC SIGNAL CABINET AND THE UTILITY CONNECTION, PREFERABLY 20' TO 50' FROM THE TRAFFIC SIGNAL CONTROLLER CABINET.
2. ELECTRIC SERVICE PANELS SHALL BE CONSTRUCTED TO UL STD. 508, INDUSTRIAL CONTROL PANEL, AND CARRY THE UL LABEL.
3. ALL WIRING SHALL BE NEATLY DRESSED AND SUPPORTED.
4. THE METER SOCKET IS TO BE PROVIDED BY THE CONTRACTOR. THE METER IS TO BE PROVIDED BY THE UTILITY COMPANY.



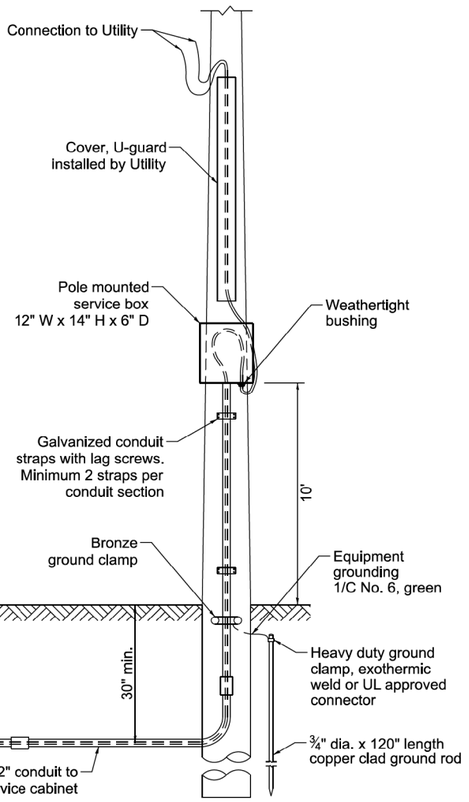
CABINET BASE BOLT PATTERN



SERVICE INSTALLATION – GROUND MOUNTED WITH METER



CONNECTION TO UTILITY ENCLOSURE



CONNECTION TO UTILITY POLE

MODEL: D1 TS Details-4 [Sheet]
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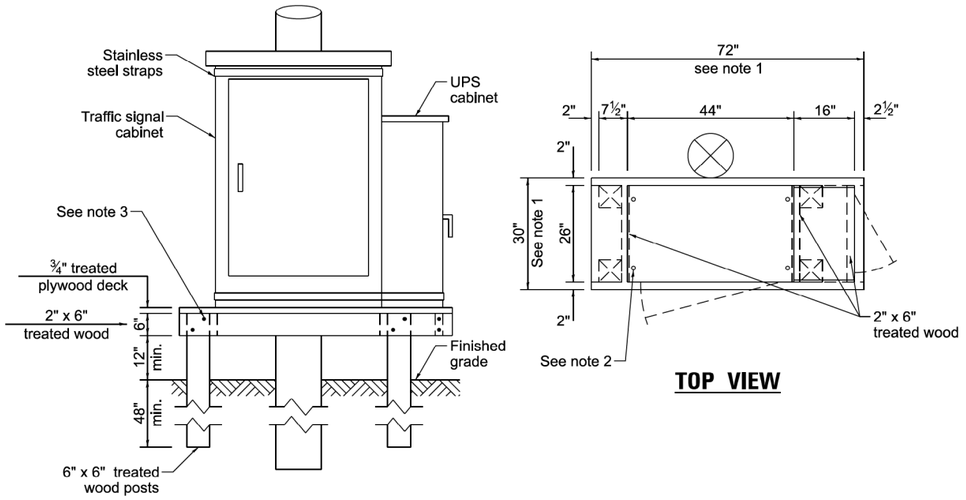
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City of Evanston

TRAFFIC SIGNAL DETAIL (DISTRICT ONE)
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET 4 OF 8 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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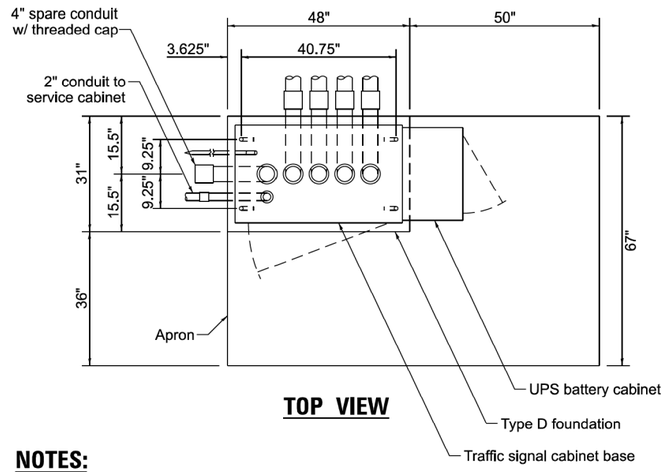


TOP VIEW

NOTES:

1. THE PLATFORM SIZE IS BASED ON A TRAFFIC SIGNAL CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" AND UNINTERRUPTABLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25". ADJUST THE PLATFORM SIZE TO FIT THE BASE DIMENSIONS OF THE CABINET SUPPLIED.
2. DRILLED HOLES THROUGH THE PLATFORM ARE TO MATCH THE TRAFFIC SIGNAL CABINET BOLT TEMPLATE. THE CABINET SHALL BE FASTENED TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS, AND NUTS.
3. ALL WOOD SUPPORT FRAMING SHALL BE FASTENED TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

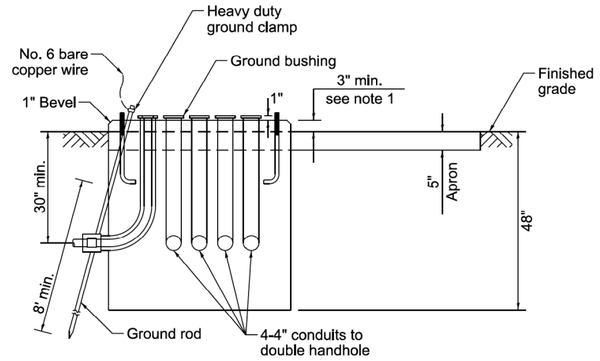
TEMPORARY TRAFFIC SIGNAL CABINET WOOD SUPPORT PLATFORM



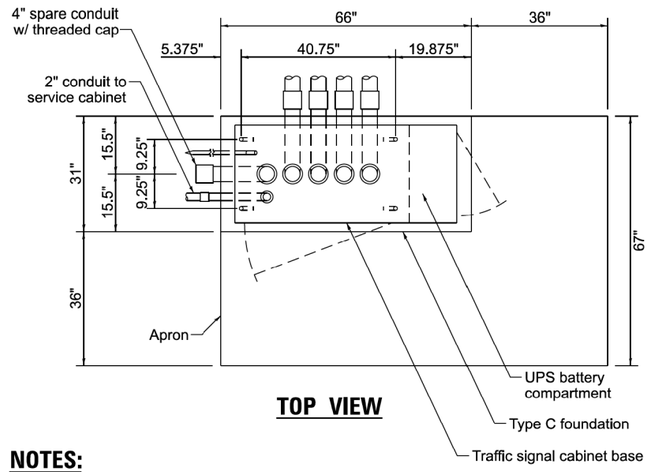
TOP VIEW

NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



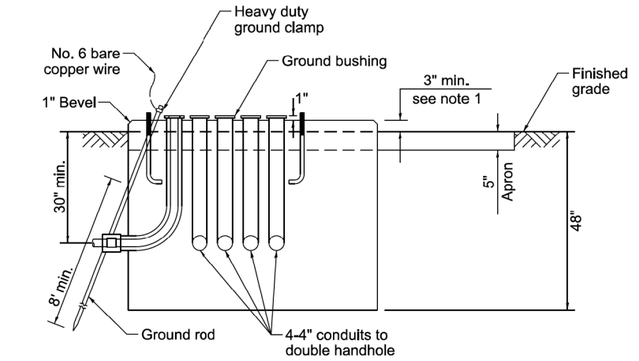
TYPE D FOUNDATION
TYPE IV AND TYPE V TRAFFIC SIGNAL CABINET AND UPS BATTERY CABINET



TOP VIEW

NOTES:

1. THE TOP OF THE FOUNDATION SHALL BE HIGHER THAN THE TOP OF THE DOUBLE HANDHOLE.



TYPE C FOUNDATION
SUPER P AND SUPER R TRAFFIC SIGNAL CABINETS

MAST ARM LENGTH	Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30'	10'	30"	24"	8	#6
Greater than or equal to 30' and less than 40'	13.5'	30"	24"	8	#6
	11'	36"	30"	12	#7
Greater than or equal to 40' and less than 50'	13'	36"	30"	12	#7
Greater than or equal to 50' and up to 55'	15'	36"	30"	12	#7
Greater than or equal to 56' and less than 65'	21'	42"	36"	16	#8
Greater than or equal to 65' and up to 75'	25'	42"	36"	16	#8

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

FOUNDATION	DEPTH
Type A - Signal post, service cabinet	4'
Type C - Traffic signal cabinet with UPS	4'
Type D - Traffic signal cabinet	4'

DEPTH OF FOUNDATIONS TYPES A, C & D

TYPE E FOUNDATION NOTES:

1. FOR STANDARD AND COMBINATION MAST ARM ASSEMBLIES. FOUNDATION DEPTHS FOR STANDARD DUAL MAST ARMS WITH THE LONGEST ARM LENGTH UP TO AND INCLUDING 55' SHALL BE INCREASE BY 1' OF THAT SHOWN IN THE TABLE, BASED ON THE LONGER OF THE TWO ARMS.
2. SEE STATE STANDARD 878001 CONCRETE FOUNDATION DETAILS FOR MORE INFORMATION.

VERTICAL CABLE	LENGTH
Mast arm mounted signal head (L = mast arm length - distance to signal head from end of arm)	20'+L
Bracket mounted signal head (mast arm pole or signal pole)	13'
Pedestrian signal head	10'
Pedestrian push button	6'
Service installation pole mount to service drop	13.5'
Service installation pole mount to ground	13.5'
Service installation ground mount	6'
Foundation (signal post, mast arm, traffic signal cabinet, service cabinet)	3'

VERTICAL CABLE LENGTH

CABLE SLACK	LENGTH
Handhole	6.5'
Double handhole	13'
Signal post	2'
Mast arm	2'
Traffic signal cabinet or service cabinet	1.5'
Fiber optic cable at traffic signal cabinet	13'
Ground cable at signal post, mast arm, or cabinet	1.5'
Ground cable at handhole or double handhole	6.5'
Ground cable between handhole frame and cover	5'

CABLE SLACK LENGTH

MODEL: D1 TS Details-5 [Sheet]
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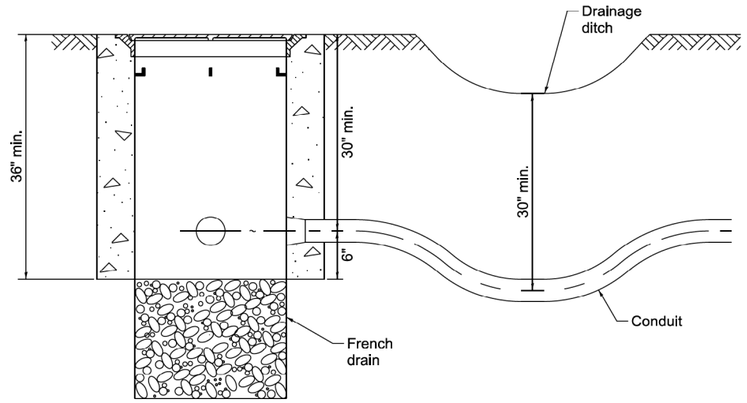
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City of Evanston

TRAFFIC SIGNAL DETAIL (DISTRICT ONE)
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET 5 OF 8 SHEETS | STA. | TO STA.

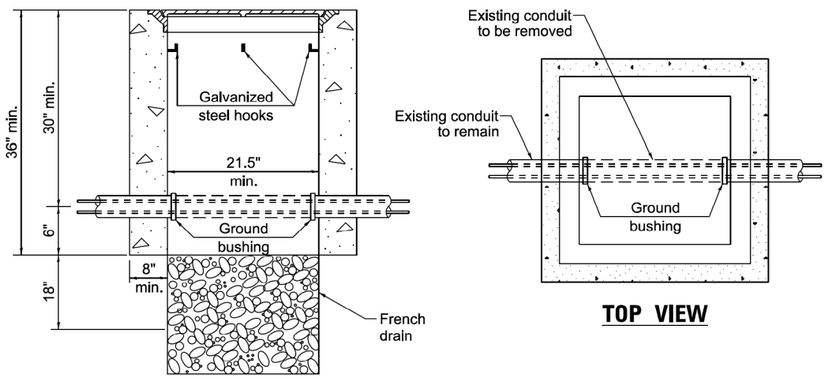
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	31
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



NOTES:

1. THE CONDUIT DEPTH SHALL BE A MINIMUM OF 30" BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND.
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

HANDHOLE WITH MINIMUM CONDUIT DEPTH

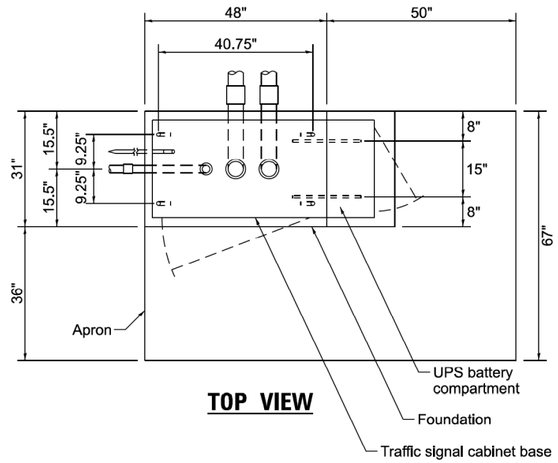


TOP VIEW

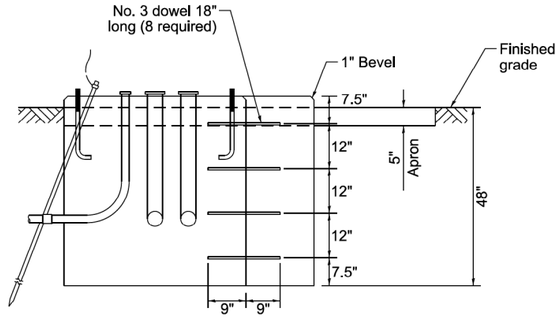
NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCLUDED WITH THE COST OF THE HANDHOLE.

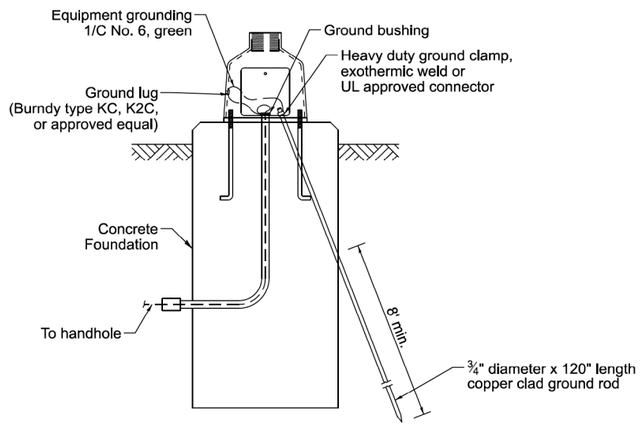
HANDHOLE TO INTERCEPT EXISTING CONDUIT



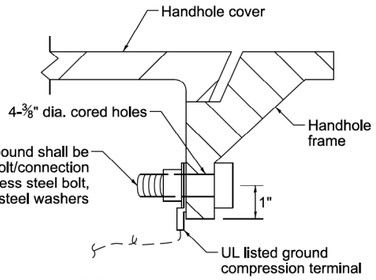
TOP VIEW



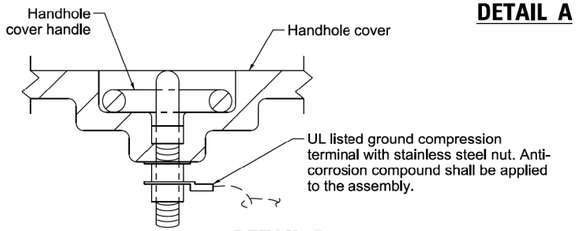
MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION



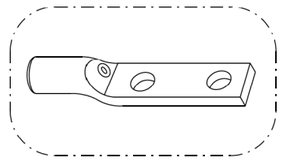
MAST ARM / POST GROUNDING DETAIL



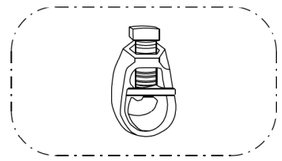
DETAIL A



DETAIL B



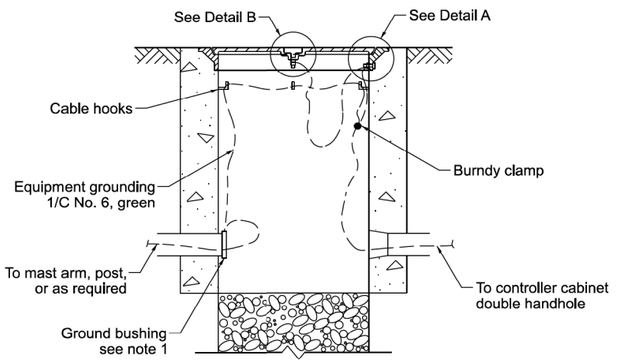
Heavy-Duty Compression Terminal
(Burndy Type YGHA or approved equal)



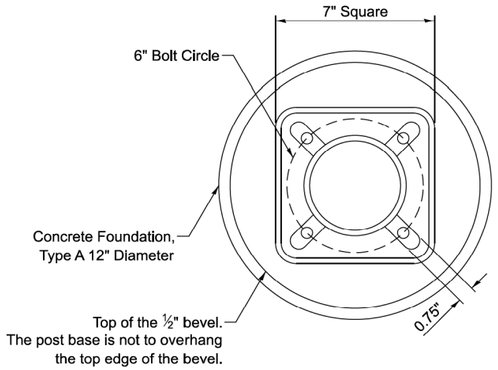
¾" Heavy-Duty Ground Rod Clamp
Bronze or Copper, UL Approved
(Burndy Type GRC or approved equal)

NOTES:

1. CONDUIT THAT HAS BEEN DRILLED INTO AN EXISTING HANDHOLE WILL REQUIRE A GROUND BUSHING FOR THE CONDUIT TO BE PROPERLY GROUNDED.
2. GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' OF SLACK SHALL BE PROVIDED IN SINGLE AND DOUBLE HANDHOLES. 5' OF SLACK SHALL BE PROVIDED BETWEEN THE FRAME AND COVER.



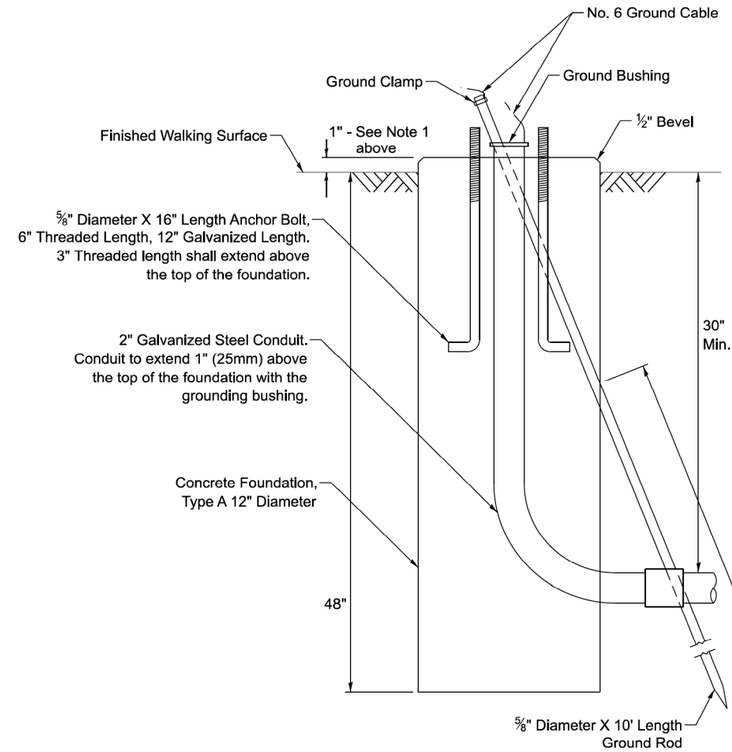
HANDHOLE GROUNDING DETAIL



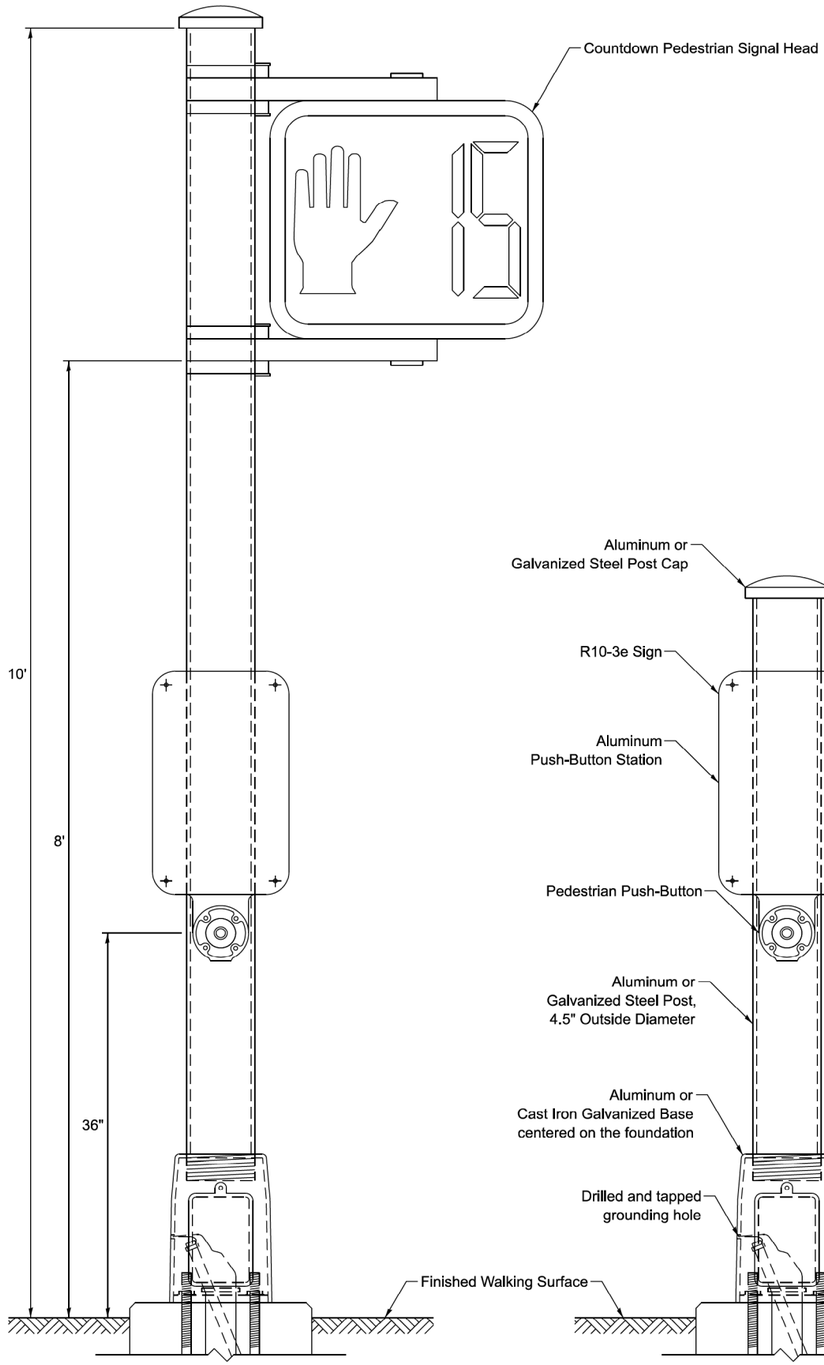
BOLT PATTERN

NOTES:

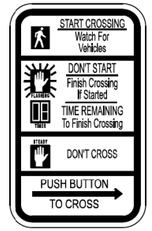
1. IF THE PEDESTRIAN SIGNAL POST FOUNDATION IS INSTALLED WITHIN A SIDEWALK CURB, THE TOP OF THE FOUNDATION SHALL BE INSTALLED FLUSH WITH THE TOP OF THE SIDEWALK CURB.



CONCRETE FOUNDATION, TYPE A 12–INCH DIAMETER



PEDESTRIAN SIGNAL POST, 10 FT.



R10-3e
9" X 15"



W10-I101
18" X 24"

SIGN NOTES:

1. THE SIGN PANELS SHALL BE TYPE AP SHEETING.
2. WHEN SIGN R10-3e IS INSTALLED AT MEDIANS WHERE ONLY ONE PUSH-BUTTON IS BEING USED FOR BOTH DIRECTIONS, THE ARROW SHALL BE BI-DIRECTIONAL.
3. SIGN W10-I101 IS REQUIRED FOR EACH PEDESTRIAN SIGNAL HEAD AT RAILROAD INTERSECTIONS.

PEDESTRIAN SIGNAL POST, 5 FT.

MODEL: D1 TS Details-7 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms53640\25-237-SHT-TS D1 DETAILS.dgn

TERRA ENGINEERING LTD.	USER NAME = XianL	DESIGNED -	REVISED -
		DRAWN -	REVISED -
		CHECKED -	REVISED -
	PLOT DATE = 12/19/2025	DATE -	REVISED -

City of Evanston

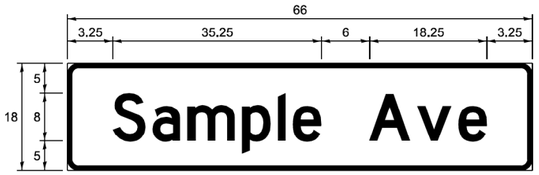
TRAFFIC SIGNAL DETAIL (DISTRICT ONE)
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

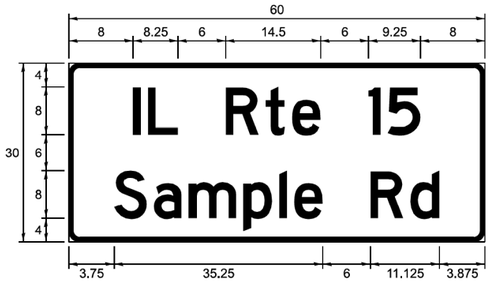
SCALE: | SHEET 7 OF 8 SHEETS | STA. | TO STA.

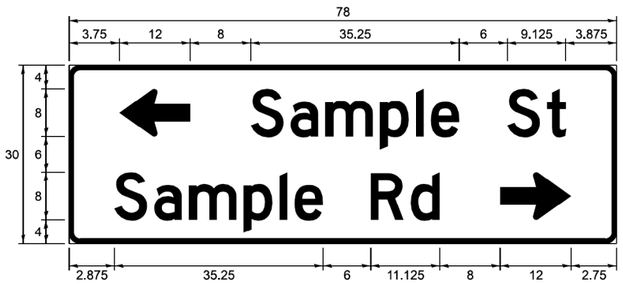
F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	33
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

SIGN PANEL – TYPE 1 OR TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE







DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY REQUIRED
C OR D	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS

NAME	ABBREVIATION	LENGTH (INCH)	
		SERIES "C"	SERIES "D"
Avenue	Ave	15	18.25
Boulevard	Blvd	17.125	20
Circle	Cir	11.125	13
Court	Ct	8.25	9.625
Drive	Dr	8.625	10.125
Highway	Hwy	18.375	22
Illinois	IL	7	8.25
Lane	Ln	9.125	10.75
Parkway	Pkwy	23.375	27.375
Place	Pl	7.125	7.75
Road	Rd	9.625	11.125
Route	Rte	12.625	14.5
Street	St	8	9.125
Terrace	Ter	12.625	14.625
Trail	Tr	7.75	9.125
United States	US	10.375	12.25

GENERAL NOTES

1. WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ONSTANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO SIGN PANELS 2'-6" x 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
2. ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
3. THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. THE SPACING BETWEEN THE LEFT OR RIGHT ARROW AND THE ADJACENT WORD SHOULD BE 8", BUT MAY BE REDUCED TO 6" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
4. THE PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE THE SERIES "D" ALPHABET ON A ONE-LINE SIGN THAT IS 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8"-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A ONE-LINE 8'-0" SIGN, A 30" HEIGHT TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION (I.E. STREET, AVENUE, ETC.) SHALL BE SPELLED OUT ON THE SECOND LINE, IF THE ABBREVIATION CANNOT FIT ON THE FIRST LINE.
5. LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENTS AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
6. SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
  MIDLOTHIAN, VA
- WESTERN REMAC, INC.
  WOODRIDGE, IL

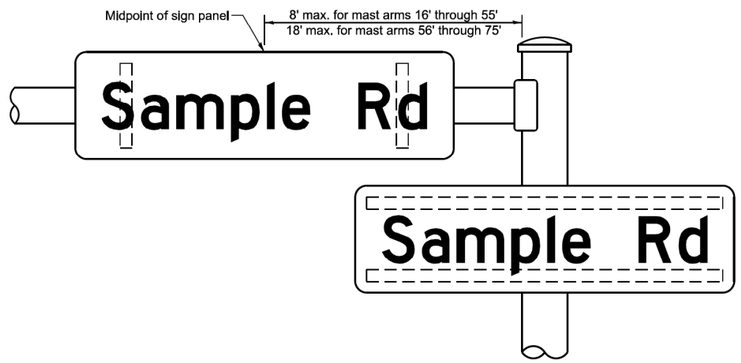
PARTS LISTING:

-SIGN CHANNEL	PART #HPN053 (MED. CHANNEL)
-SIGN SCREWS	1/4" x 14 x 1" H.W.H. #3 SELF TAPPING WITH NEOPRENE WASHER
-BRACKETS	PART #HPN034 (UNIVERSAL) CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

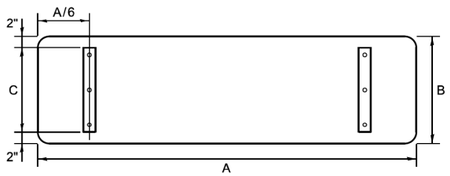
OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BRACKET OF THE ABOVE PRODUCT.

MOUNTING LOCATIONS

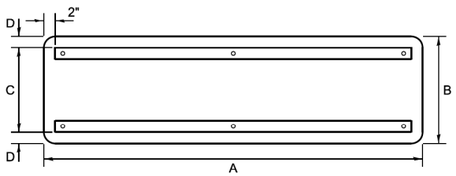
ARM OR POLE MOUNTED



SUPPORTING CHANNELS



A	B	C
Var.	18"	14"
Var.	30"	26"



A	B	C	D
Var.	18"	12"	3"
Var.	30"	22"	4"

STANDARD ALPHABETS SPACING CHART

MEASUREMENTS BASED ON 8" UPPER CASE LETTER HEIGHT

FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

MODEL: D1 TS Details-8 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-TS D1 DETAILS.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

TRAFFIC SIGNAL DETAIL (DISTRICT ONE)
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

SCALE: | SHEET 8 OF 8 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	34

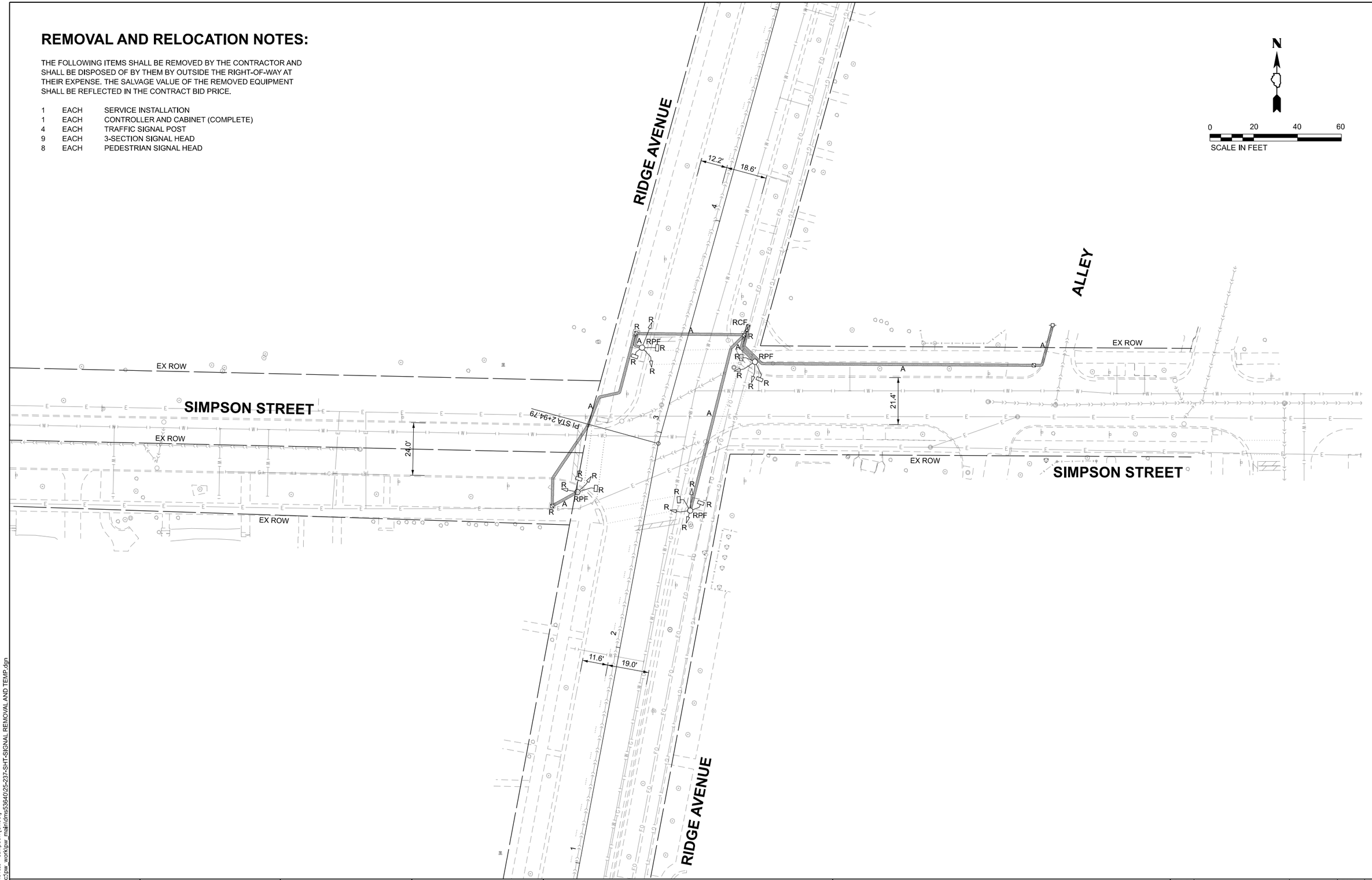
CONTRACT NO.

ILLINOIS | FED. AID PROJECT

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM BY OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	SERVICE INSTALLATION
1	EACH	CONTROLLER AND CABINET (COMPLETE)
4	EACH	TRAFFIC SIGNAL POST
9	EACH	3-SECTION SIGNAL HEAD
8	EACH	PEDESTRIAN SIGNAL HEAD



MODEL: Removals - Simpson [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364012\5-237-SHT-SIGNAL REMOVAL AND TEMP.dgn

TERRA ENGINEERING LTD.	USER NAME = XianL	DESIGNED - TLH	REVISED -
		DRAWN - TLH	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - CCC	REVISED -
	PLOT DATE = 12/19/2025	DATE -	REVISED -

City of Evanston

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
RIDGE AVENUE AT SIMPSON STREET

SCALE: | SHEET 1 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	35
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

MATCHLINE A-A

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 41 LF

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 6 LF

DETECTOR LOOP, TYPE I, 25 LF

6.0'

5.2'

5+00

MATCHLINE A-A

RIDGE AVENUE

EX ROW

201.6'

4

EX ROW

N

0 20 40

SCALE IN FEET

PEDESTRIAN SIGNAL POST, 10 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 3+48.8, 32.4' RT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 9 LF

DOUBLE HANDHOLE, 1 EA

(4) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 2 LF

21'-E-2"

DRILL EXISTING HANDHOLE, 1 EA

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 7 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 102 LF

ALLEY

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 225 LF

1 STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
CONCRETE FOUNDATION, TYPE E 36" DIA. FDN. (15'-0" DEPTH)
APPROX. STA. 3+35.6, 24.7' LT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 12 LF

HANDHOLE, 1 EA

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 17 LF

PEDESTRIAN SIGNAL POST, 5 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 3+07.7, 24.5' LT

DETECTOR LOOPS, TYPE I, 113 LF

EX ROW

EX ROW

GM

SIMPSON STREET

6.0' 9.0' 6.0'

18.6'

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 65 LF

FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL), 1 EA
UNINTERRUPTABLE POWER SUPPLY (SPECIAL), 1 EA
CONCRETE FOUNDATION, TYPE C (4'-0" DEPTH)

EX ROW

SIMPSON STREET

8.8'

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 65 LF

PEDESTRIAN SIGNAL POST, 5 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 3+00.2, 25.4' RT

TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.
CONCRETE FOUNDATION TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 2+90.3, 24.8' RT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 7 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 16 LF

HANDHOLE, 1 EA

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 8 LF

TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
CONCRETE FOUNDATION TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 2+74.5, 23.0' RT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 63 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 254 LF

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 11 LF

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 9 LF

HANDHOLE, 1 EA

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 7 LF

TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
CONCRETE FOUNDATION TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 2+59.7, 30.7' LT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 12 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 16 LF

1 STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.
CONCRETE FOUNDATION, TYPE E 36" DIA. FDN. (15'-0" DEPTH)
APPROX. STA. 2+51.9, 30.4' LT

PEDESTRIAN SIGNAL POST, 5 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 2+53.5, 22.8' LT

EX ROW

EX ROW

RIDGE AVENUE

250.0'

MATCHLINE B-B

MATCHLINE B-B

6.0'

10+00

6.2'

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 25 LF

DETECTOR LOOP, TYPE I, 35 LF

MODEL: Evanston Proposed Signal
FILE NAME: c:\pw_work\pw_main\dms53640\25-237-SHT-SIGNAL PR.dgn

TERRA ENGINEERING LTD.	USER NAME = XianL	DESIGNED - XEL	REVISED 10/14/2026 1
		DRAWN - XEL	REVISED -
		CHECKED - CCC	REVISED -
	PLOT DATE = 10/14/2026	DATE -	REVISED -

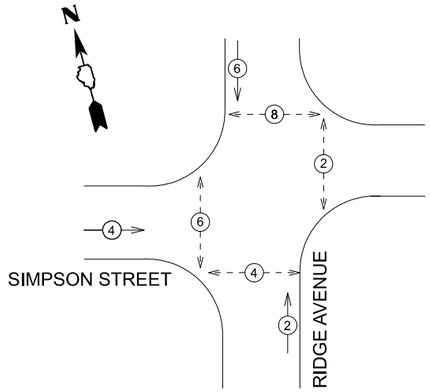
City of Evanston

TRAFFIC SIGNAL MODERNIZATION PLAN
RIDGE AVENUE AT SIMPSON STREET

SCALE: | SHEET 2 OF 15 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	24
CONTRACT NO.				
ILLINOIS	FED. AID PROJECT			

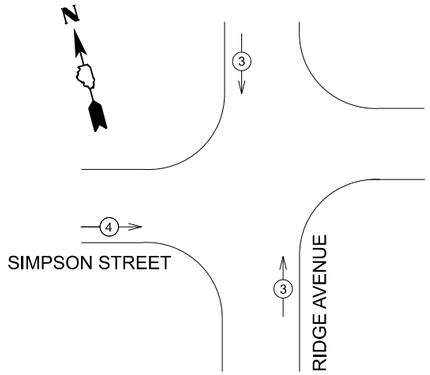
PROPOSED CONTROLLER SEQUENCE



LEGEND

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

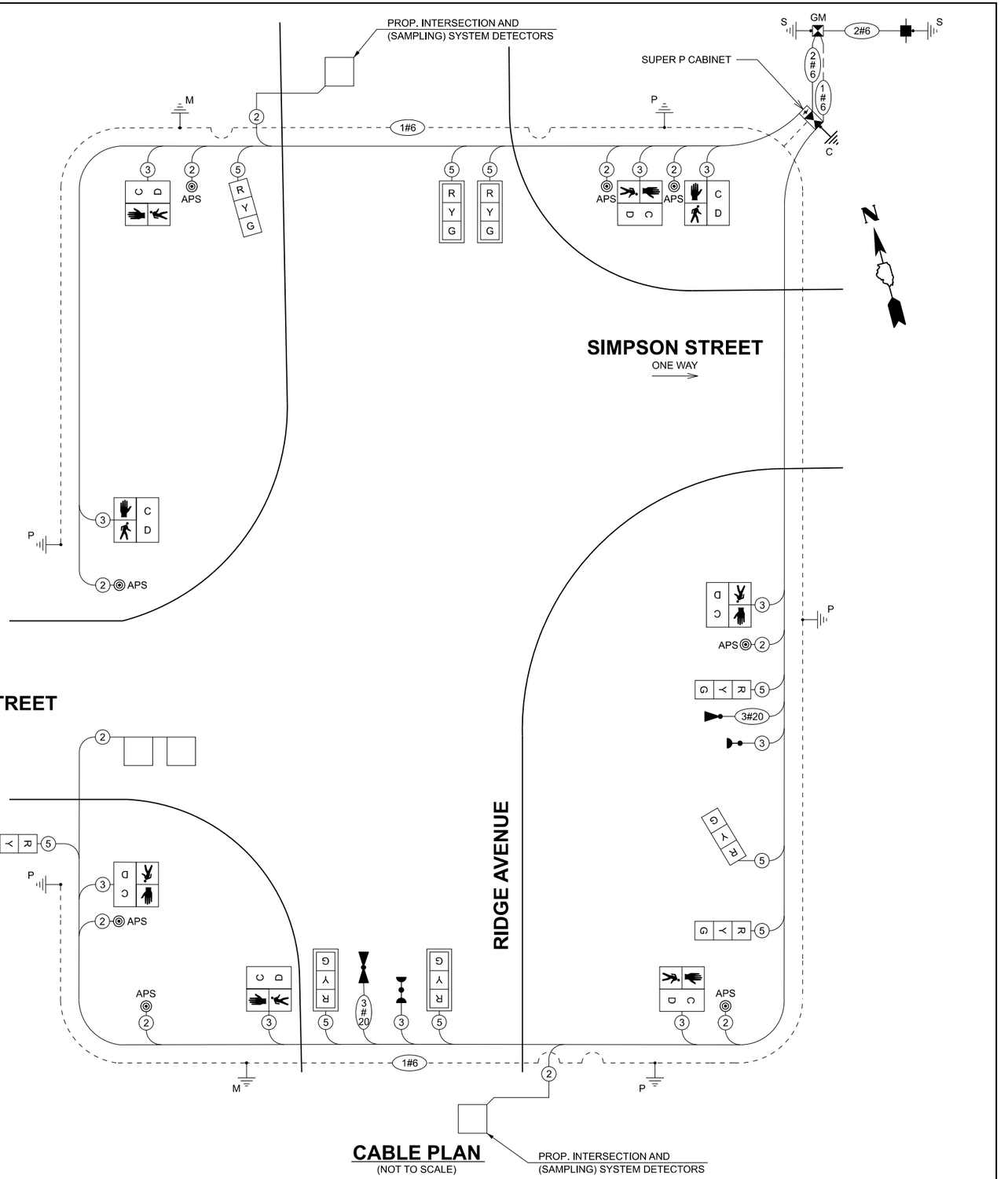
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	9	11	50	49.5
(YELLOW)	9	20	5	9
(GREEN)	9	12	45	48.6
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	15	100	120
CONTROLLER	1	150	100	150
MASTER CONTROLLER	-	100	100	-
UPS	1	25	100	25
VIDEO SYSTEM	-	20	100	20
BLANK-OUT SIGN	-	25	5	-
FLASHER	3	15	50	22.5
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	444.6

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVENUE
EVANSTON, ILLINOIS 60201
ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: NEW PHONE
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

MODEL: Cable_Plan_Simpson [Sheet]
FILE NAME: c:\pw_work\pw_main\dms53840\25-237-sht-ts-cableplan-001.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - TLH	REVISED -	
	DRAWN - TLH	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - CCC	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

CABLE DIAGRAM, DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE
RIDGE AVENUE AT SIMPSON STREET

SCALE: | SHEET 3 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	37
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM BY OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	SERVICE INSTALLATION
1	EACH	CONTROLLER AND CABINET (COMPLETE)
4	EACH	ALUMINUM MAST ARM ASSEMBLY AND POST
4	EACH	CONFIRMATION BEACON
12	EACH	3-SECTION SIGNAL HEAD
8	EACH	PEDESTRIAN SIGNAL HEAD
6	EACH	TRAFFIC SIGN BACKPLATE

N

0 20 40 60

SCALE IN FEET

RIDGE AVENUE

NOYES STREET

EX ROW

TEMPORARY WOOD POLE
APPROX. STA. 13+44.8, 19.9' LT

TEMPORARY WOOD POLE
APPROX. STA. 13+58.2, 39.2' RT

TEMPORARY WOOD POLE
APPROX. STA. 13+95.0, 170.2' RT

TEMPORARY WOOD POLE
APPROX. STA. 13+11.4, 34.5' RT

TEMPORARY WOOD POLE
APPROX. STA. 12+68.1, 36.7' LT

11.8'
20.7'
12.1'
18.6'
23.1'
28.2'

BM
RMF
RCF

ALLEY

MODEL: Removals - Noyes [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364\0225-237-SHT-SIGNAL REMOVAL AND TEMP.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - XEL	REVISED -	
	DRAWN - TLH	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - CCC	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

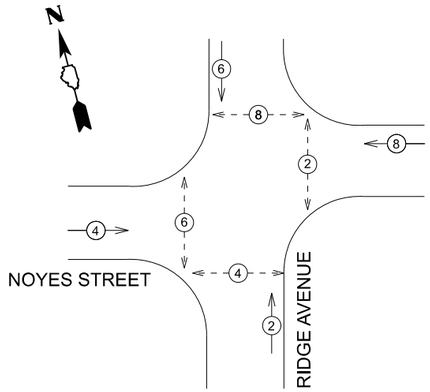
City of Evanston

EXISTING TRAFFIC SIGNAL REMOVAL AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
RIDGE AVENUE AT NOYES STREET

SCALE: | SHEET 4 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	38
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

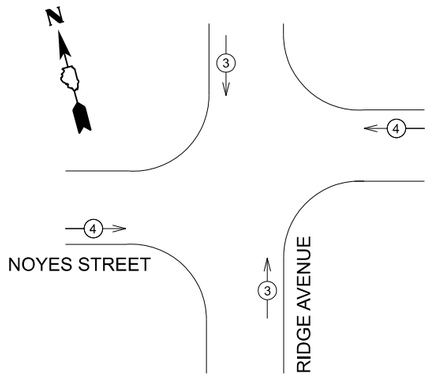
TEMPORARY CONTROLLER SEQUENCE



LEGEND

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

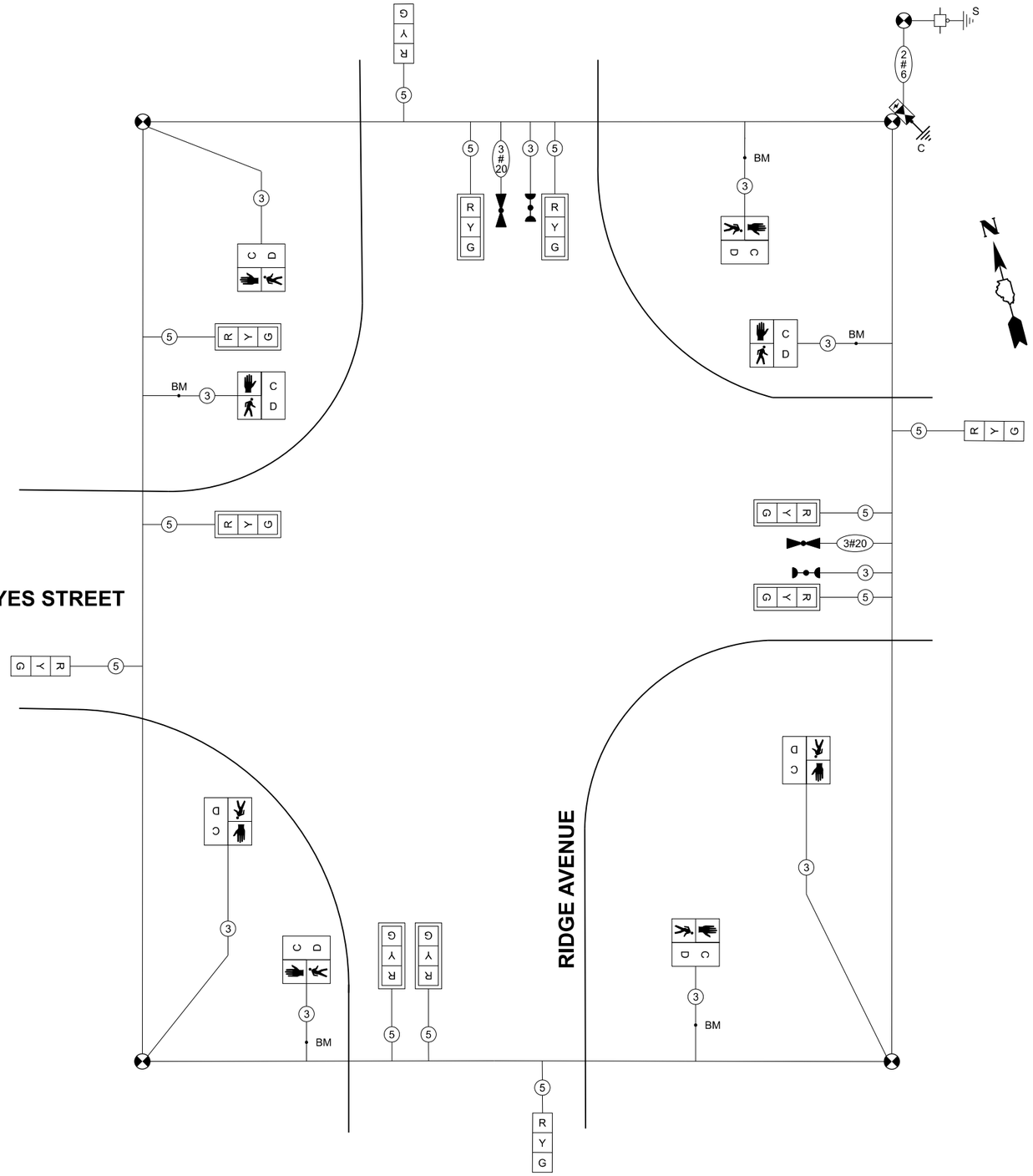
TEMPORARY EMERGENCY BEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	15	100	120
CONTROLLER	1	150	100	150
MASTER CONTROLLER	-	100	100	-
UPS	1	25	100	25
VIDEO SYSTEM	-	20	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	4	15	50	30
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	467.8

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVENUE
EVANSTON, ILLINOIS 60201
ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: NEW PHONE
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

MODEL: Temp_Cable_Plan_Noyes [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5394\0225-237-sht-tss-cableplan-temp-002.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - XEL	REVISED -	
	DRAWN - TLH	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - CCC	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

TEMPORARY CABLE DIAGRAM, TEMPORARY DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE RIDGE AVENUE AT NOYES STREET

SCALE: | SHEET 5 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	39
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 3 LF

DETECTOR LOOP, TYPE I, 27 LF

6.0' 16

6.0'

15+00

MATCHLINE A-A

MATCHLINE A-A

RIDGE AVENUE

EX ROW

250.0'

14

EX ROW

HANDHOLE, 1 EA

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 5 LF

STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.
CONCRETE FOUNDATION, TYPE E 36" DIA. FDN. (15'-0" DEPTH)
APPROX. STA. 13+68.5, 24.8' RT

1

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 11 LF

PEDESTRIAN SIGNAL POST, 10 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 13+63.0, 25.4' RT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 24 LF

TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 13+57.5, 32.6' RT

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 25 LF

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 32 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 266 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 55 LF

HANDHOLE, 1 EA

1 UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 7 LF

STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.
CONCRETE FOUNDATION, TYPE E 36" DIA. FDN. (15'-0" DEPTH)
APPROX. STA. 13+27.8, 24.6' LT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 27 LF

PEDESTRIAN SIGNAL POST, 5 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 13+18.4, 25.6' LT

EX ROW

NOYES STREET

EX ROW

3.0'
7.7'
3.0'
6.0' 9.0' 6.0'

DETECTOR LOOP, TYPE I, 77 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 63 LF

DETECTOR LOOP, TYPE I, 109 LF

3.0'
6.0' 9.0' 6.0'
4.9'
3.0'

13

95'-UC-4"

GM

EX ROW

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 113 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 6 LF

DRILL EXISTING HANDHOLE, 1 EA

NOYES STREET

94'-E-2"

FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL), 1 EA
UNINTERRUPTABLE POWER SUPPLY (SPECIAL), 1 EA
CONCRETE FOUNDATION, TYPE C (4'-0" DEPTH)

(4) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 4 LF

DOUBLE HANDHOLE, 1 EA

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 9 LF

PEDESTRIAN SIGNAL POST, 5 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 13+08.4, 31.8' RT

ALLEY

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 19 LF

STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.
CONCRETE FOUNDATION, TYPE E 36" DIA. FDN. (15'-0" DEPTH)
APPROX. STA. 13+02.3, 24.7' RT

1

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 302 LF

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 7 LF

HANDHOLE, 1 EA

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 9 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 8 LF

1 STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
CONCRETE FOUNDATION, TYPE E 36" DIA. FDN. (15'-0" DEPTH)
APPROX. STA. 12+63.4, 34.9' LT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 15 LF

PEDESTRIAN SIGNAL POST, 10 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 12+55.0, 32.2' LT

EX ROW

12

29.5'

250.0'

RIDGE AVENUE

EX ROW

MATCHLINE B-B

MATCHLINE B-B

10+00

6.0'

9.0'

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 4 LF

DETECTOR LOOP, TYPE I, 37 LF

N

0 20 40

SCALE IN FEET

MODEL: Evanston Proposed Signal-1
FILE NAME: c:\dw_workspw_mainidms536401025-237-SHT-SIGNAL PR.dgn

TERRA ENGINEERING LTD.	USER NAME = XianL	DESIGNED - XEL	REVISED 10/14/2026 1
		DRAWN - XEL	REVISED -
		CHECKED - CCC	REVISED -
	PLOT DATE = 12/15/2025	DATE -	REVISED -

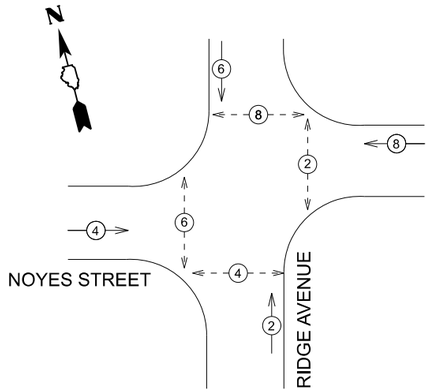
City of Evanston

TRAFFIC SIGNAL MODERNIZATION
RIDGE AVENUE AT NOYES STREET

SCALE: | SHEET 6 OF 15 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	28
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

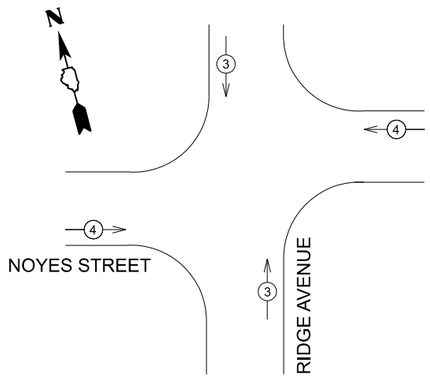
PROPOSED CONTROLLER SEQUENCE



LEGEND

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

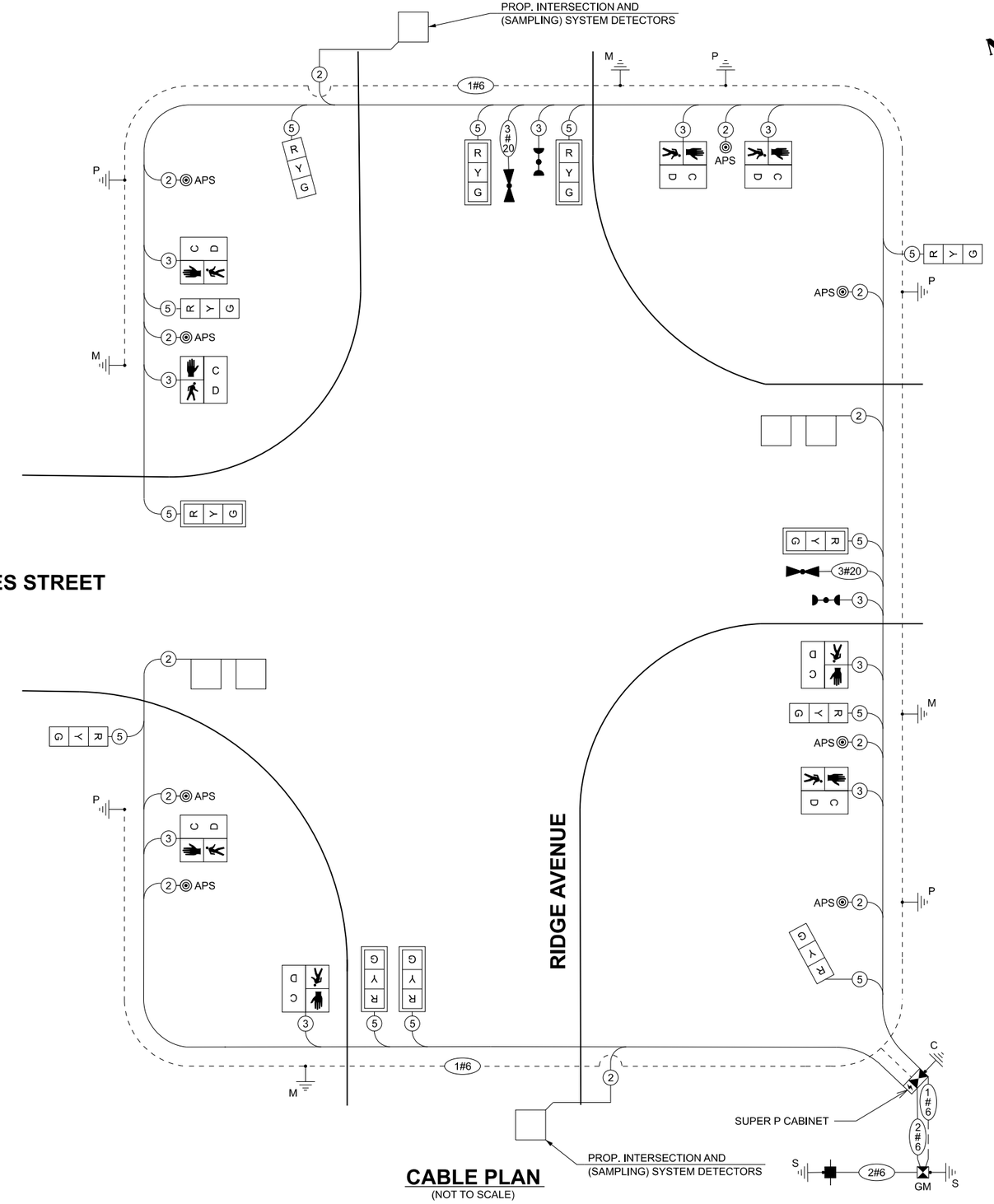
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	15	100	120
CONTROLLER	1	150	100	150
MASTER CONTROLLER	-	100	100	-
UPS	1	25	100	25
VIDEO SYSTEM	1	20	100	20
BLANK-OUT SIGN	-	25	5	-
FLASHER	4	15	50	30
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	487.8

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVENUE
EVANSTON, ILLINOIS 60201
ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: NEW PHONE
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

MODEL: Cable_Plan_Noyes [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5384025-237-sht-ts-cableplan-002.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - TLH	REVISED -	
	DRAWN - TLH	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - CCC	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

CABLE DIAGRAM, DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RIDGE AVENUE AT NOYES STREET

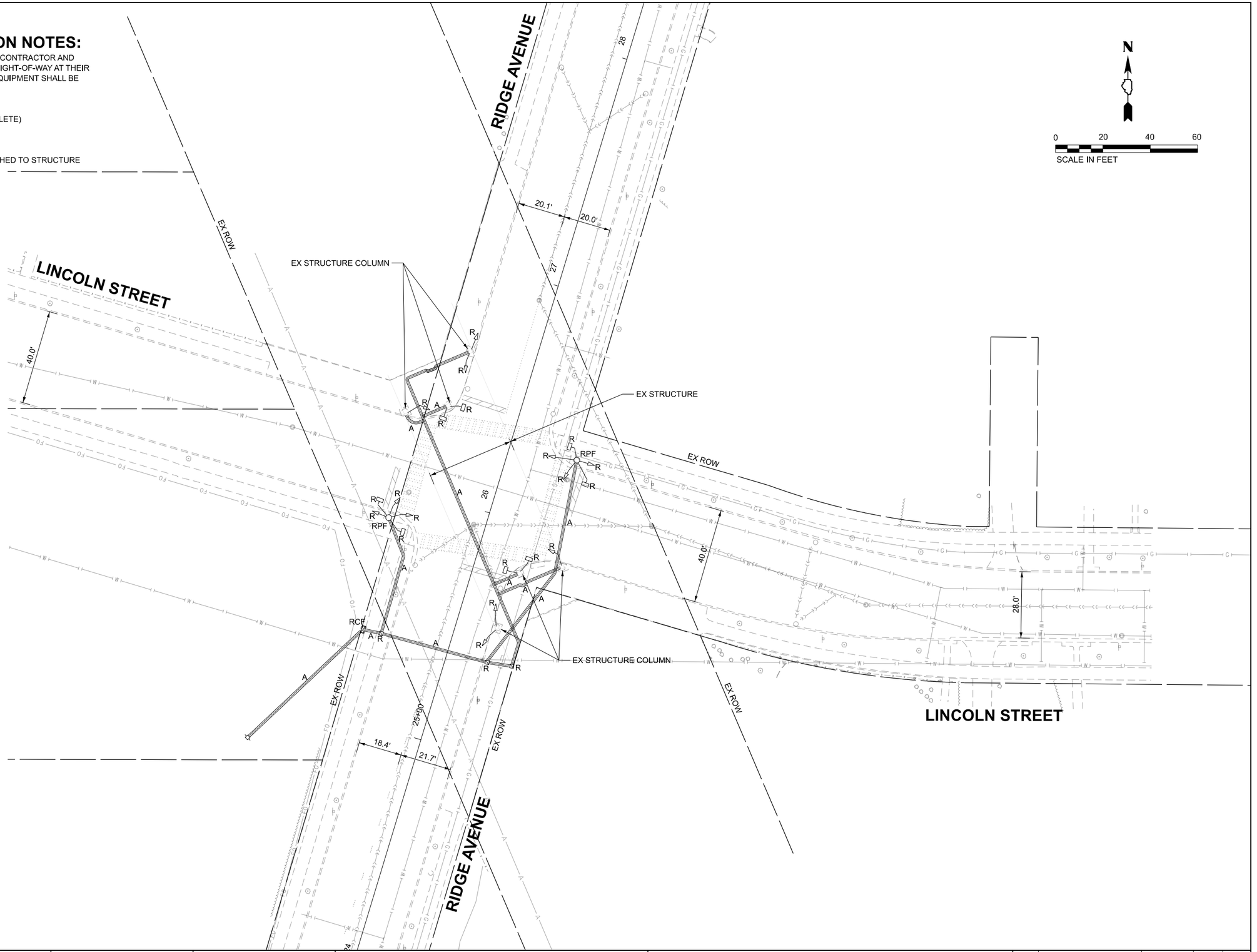
SCALE: | SHEET 7 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	41
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

REMOVAL AND RELOCATION NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM BY OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	SERVICE INSTALLATION
1	EACH	CONTROLLER AND CABINET (COMPLETE)
2	EACH	TRAFFIC SIGNAL POST
12	EACH	3-SECTION SIGNAL HEAD
8	EACH	PEDESTRIAN SIGNAL HEAD
238	FOOT	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE



MODEL: Removals - Lincoln [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5384025-237-SHT-SIGNAL REMOVAL AND TEMP.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - TLH	REVISED -	
	DRAWN - TLH	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - CCC	REVISED -	
PLOT DATE = 12/17/2025	DATE -	REVISED -	

City of Evanston

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL PLAN
RIDGE AVENUE AT LINCOLN STREET

SCALE: | SHEET 8 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	42
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

DETECTOR LOOP, TYPE I, 42 LF

POT STA 29+30.96

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 22 LF

DRILL EXISTING HANDHOLE, 2 EA

9.0'

6.0'

29

MATCHLINE A-A

MATCHLINE A-A

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 269 LF

EX ROW

250.0'

EX ROW

RIDGE AVENUE

TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 26+68.1, 29.4' RT
SEE NOTES 1 AND 2

EX STRUCTURE COLUMN

TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 26+57.9, 32.8' LT

EX STRUCTURE COLUMN

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 45 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 37 LF

TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 26+33.9, 40.8' LT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 10 LF

EX STRUCTURE COLUMN

HANDHOLE, 1 EA

LINCOLN STREET

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 45 LF
PR DETECTOR LOOP

LOOP CONFIGURATION
TYPE D QUADRAPOLE (TYP.)
(SEE DETAIL)

6.0'

6.0'

12.9'

9.0'

14.7'

26

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 89 LF

TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 25+84.9, 54.6' RT
SEE NOTES 1 AND 2

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 10 LF

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 7 LF

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 1 LF

HANDHOLE, 1 EA

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 13 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 7 LF

PEDESTRIAN SIGNAL POST, 10 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 25+83.4, 37.1' LT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 22 LF

DOUBLE HANDHOLE, 1 EA

(4) UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 4 LF

MASTER CONTROLLER, 1 EA
UNINTERRUPTABLE POWER SUPPLY (SPECIAL), 1 EA
CONCRETE FOUNDATION, TYPE C (4'-0" DEPTH)

GM

TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 25+67.3, 30.1' LT
SEE NOTE 1

PR TEMPORARY CONSTRUCTION EASEMENT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 11 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 70 LF

EX ROW

25+00

RIDGE AVENUE

250.0'

EX ROW

MATCHLINE B-B

EX STRUCTURE

TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX STA. 26+48.9, 19.7' RT
SEE NOTE 1

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 21 LF

PEDESTRIAN SIGNAL POST, 5 FT.
CONCRETE FOUNDATION, TYPE A, 12" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 26+36.4, 20.5' RT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 11 LF

HANDHOLE, 1 EA

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 7 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 5 LF

TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 26+31.9, 37.7' RT
SEE NOTES 1 AND 2

LOOP CONFIGURATION
TYPE D QUADRAPOLE (TYP.)
(SEE DETAIL)

EX ROW

12.9'

9.0'

14.6'

6.0'

6.0'

PR DETECTOR LOOPS

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 51 LF

LINCOLN STREET

EX STRUCTURE COLUMN

HANDHOLE, 1 EA

EX ROW

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 6 LF

TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 25+82.2, 30.0' RT

EX STRUCTURE COLUMN

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 18 LF

TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 25+70.0, 20.4' RT

UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA., 35 LF

EX STRUCTURE COLUMN

TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
CONCRETE FOUNDATION, TYPE A, 24" DIA. FDN. (4'-0" DEPTH)
APPROX. STA. 25+47.2, 21.8' RT
SEE NOTES 1 AND 2

UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA., 75 LF

UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA., 279 LF

MATCHLINE B-B

24

6.0'

2.3'

9.6'

UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA., 43 LF

DETECTOR LOOP, TYPE I, 43 LF

N

0 20 40

SCALE IN FEET

TYPE D QUADRUPOLE LOOP DETAIL

DIAGONAL QUADRUPOLE LOOP
- Sensitive over whole area.
- Sharp cut-off of sensitivity.
- Used in shared lanes.

Direction of Travel

15" (0.38 m)

27" (0.69 m)

30" (0.76 m)

15" (0.38 m)

30" (0.76 m)

27" (0.69 m)

6' (1.83 m)

Winding Detail Sawcut Detail

Type D Quadrupole

NOTES:
1. PROPOSED VEHICULAR AND PEDESTRIAN SIGNAL HEADS LOCATED BENEATH THE STRUCTURE OR ADJACENT TO IT SHALL BE MOUNTED HORIZONTALLY SUCH AS THE BOTTOM OF THE SIGNAL HEAD IS AT LEAST 8' ABOVE PROPOSED GRADE THAT ACCOMMODATES VISIBILITY OF THE SIGNAL HEAD BY THE APPROACHING VEHICLE, BICYCLIST OR PEDESTRIAN.

2. NEAR-RIGHT VEHICULAR SIGNAL HEADS FOR EACH APPROACH ARE TO BE MOUNTED SUCH AS THE BOTTOM OF THE SIGNAL HEAD IS AT LEAST 8' ABOVE PROPOSED GRADE PER IDOT DISTRICT 1 DETAIL.

MODEL: Evanston Proposed Signal-2
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-SIGNAL PR.dgn

TERRA ENGINEERING LTD.

USER NAME = TylerD	DESIGNED - XEL	REVISED -	
	DRAWN - XEL	REVISED -	
	CHECKED - CCC	REVISED -	
PLOT DATE = 4/14/2026	DATE -	REVISED -	

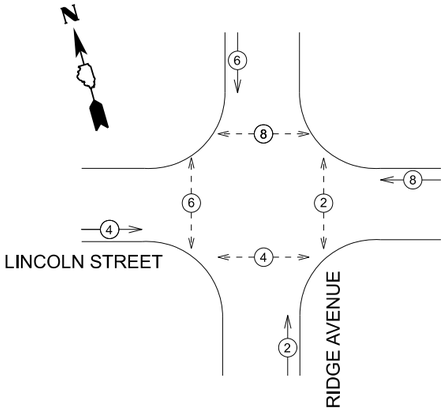
City of Evanston

TRAFFIC SIGNAL MODERNIZATION
RIDGE AVENUE AT LINCOLN STREET

SCALE: SHEET 9 OF 15 SHEETS STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	31
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		

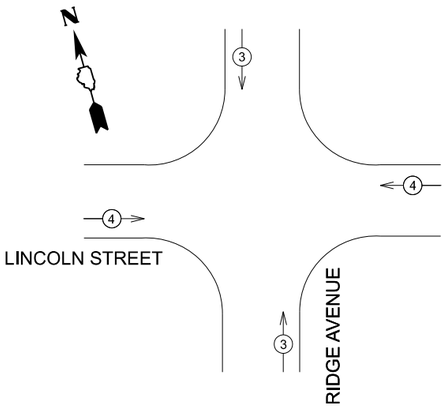
PROPOSED CONTROLLER SEQUENCE



LEGEND

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

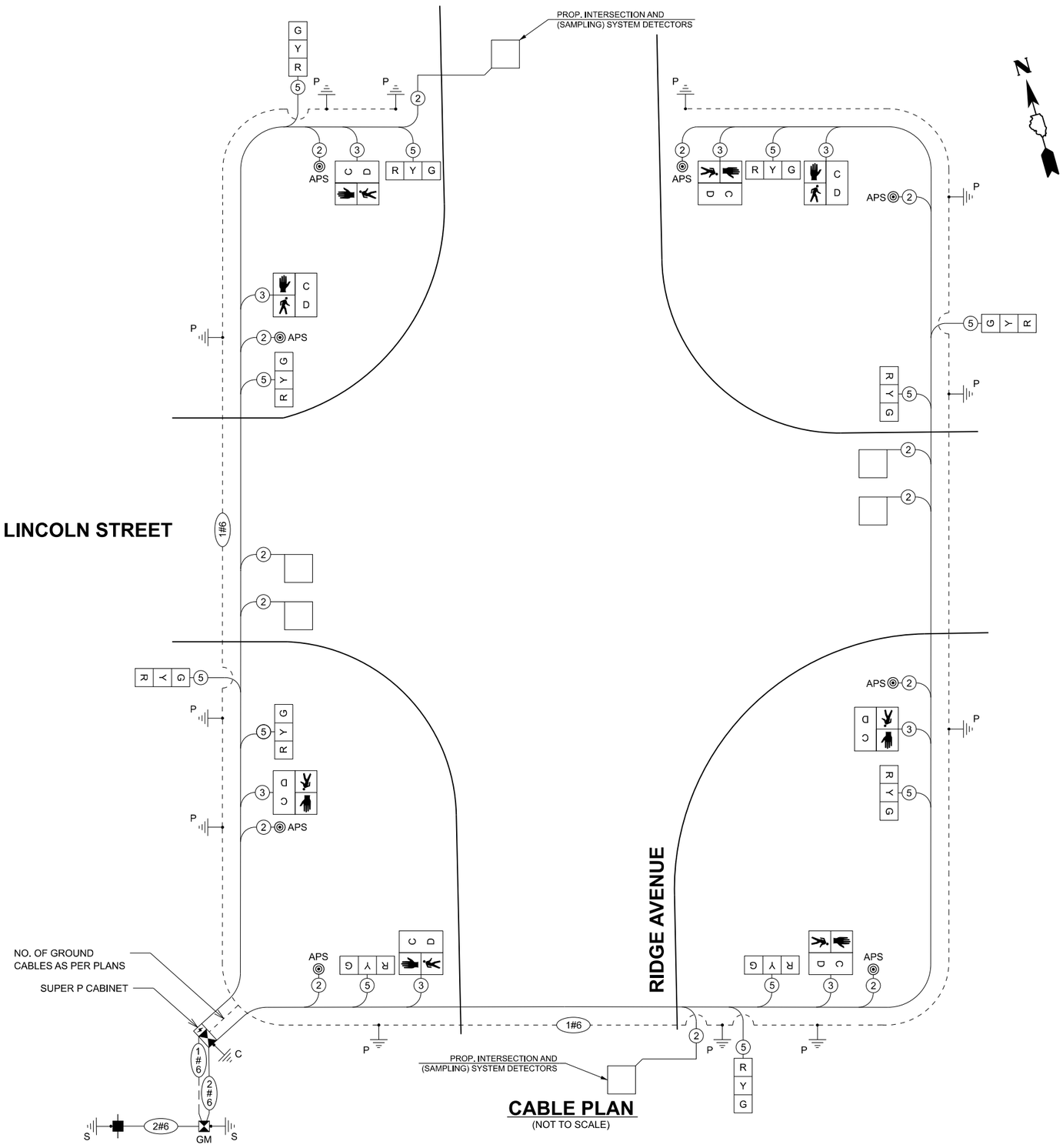
PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE



TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66
(YELLOW)	12	20	5	12
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	15	100	120
CONTROLLER	-	150	100	-
MASTER CONTROLLER	1	100	100	100
UPS	1	25	100	25
VIDEO SYSTEM	-	20	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	15	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	387.8

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVENUE
EVANSTON, ILLINOIS 60201
ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: NEW PHONE
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

MODEL: Cable_Plan_Lincoln [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-sht-ts-cableplan-003.dgn

TERRA ENGINEERING LTD.

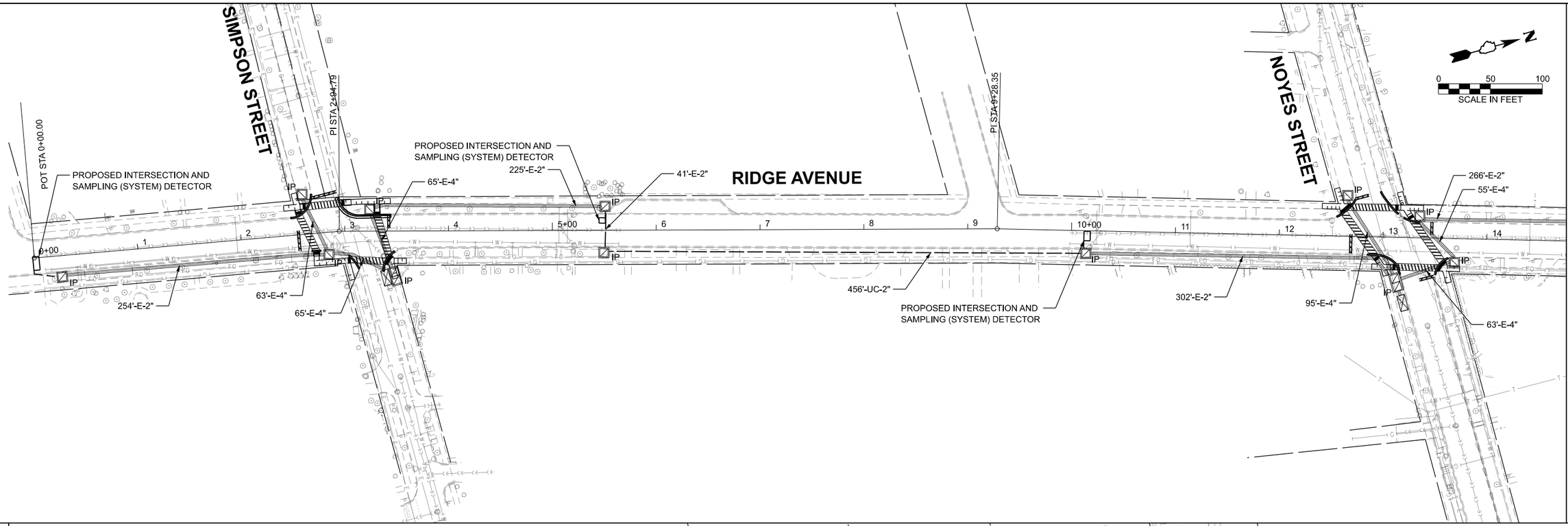
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	DRAWN - TLH	REVISED -	
PLOT SCALE = $SCALE$	CHECKED - CCC	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

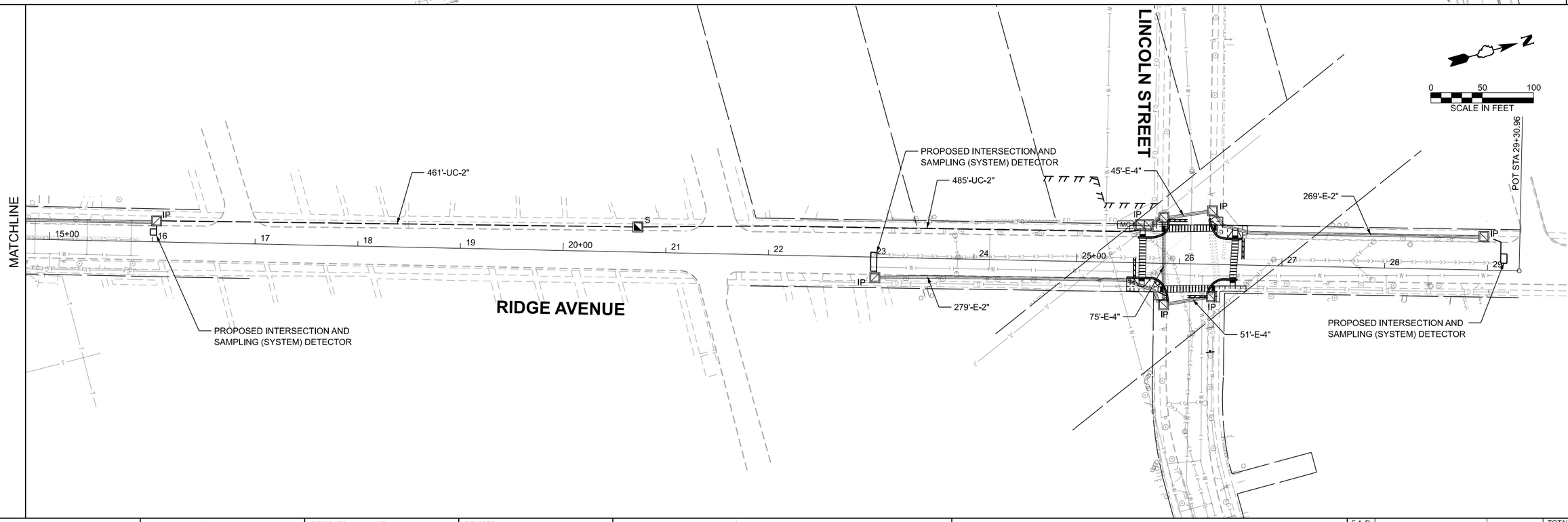
City of Evanston

CABLE DIAGRAM, DESIGNATION DIAGRAM, AND EMERGENCY VEHICLE PREEMPTION SEQUENCE RIDGE AVENUE AT LINCOLN STREET

SCALE: | SHEET 10 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	44
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		





MODEL: Interconnect Plan - Interconnect Plan
FILE NAME: c:\cpw_work\pw_main\dms53640\25-237-SHT-INTERCONNECT.dgn

TERRA ENGINEERING LTD.

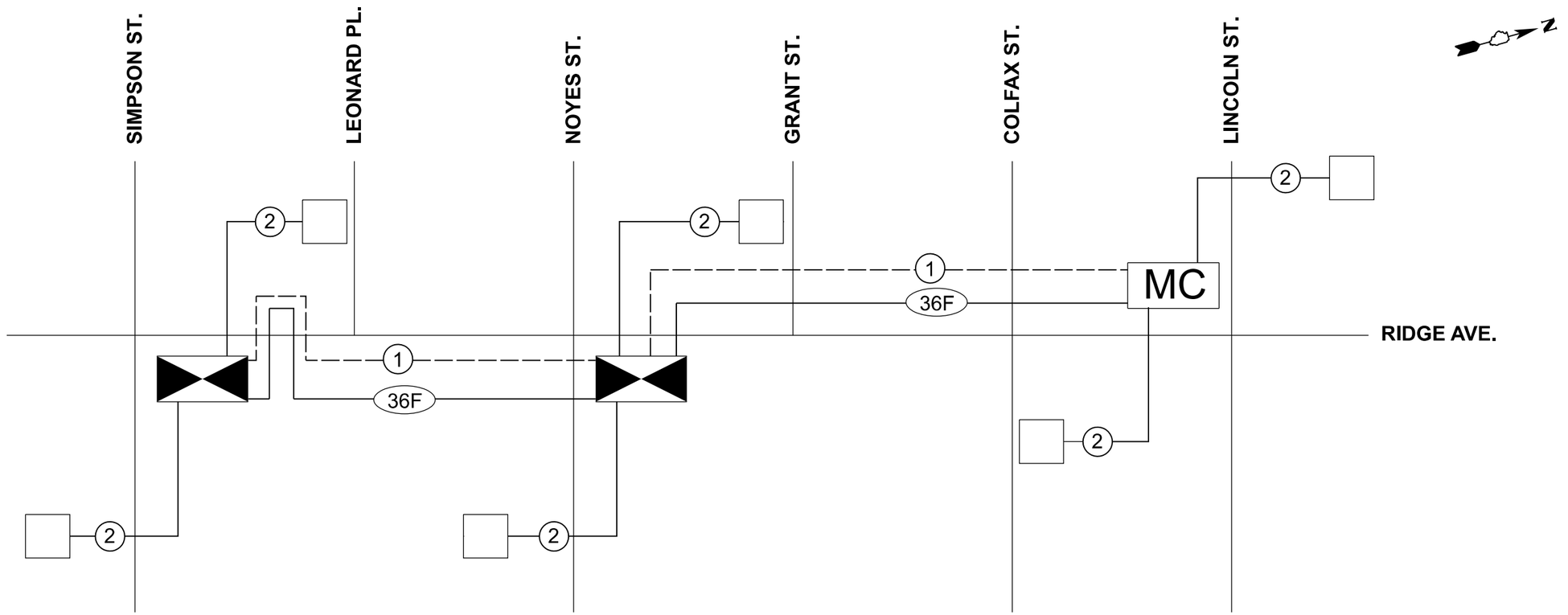
USER NAME = XianL	DESIGNED - XEL	REVISED -	
	DRAWN - XEL	REVISED -	
	CHECKED - CCC	REVISED -	
PLOT DATE = 12/15/2025	DATE -	REVISED -	

City of Evanston

TRAFFIC SIGNAL INTERCONNECT PLAN
RIDGE AVENUE

SCALE: 1"=50' | SHEET 11 OF 20 SHEETS | STA. 0+00.00 TO STA. 30+00.00

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	45
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



SCHEDULE OF QUANTITIES

ITEM DESCRIPTION	UNIT	QUANTITY
UNDERGROUND, CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1443
ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	3640
FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM24F	FOOT	4711
REOPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1

MODEL: Interconnect Schematic [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-INTERCONNECT SCHEMATIC.dgn

TERRA ENGINEERING LTD.

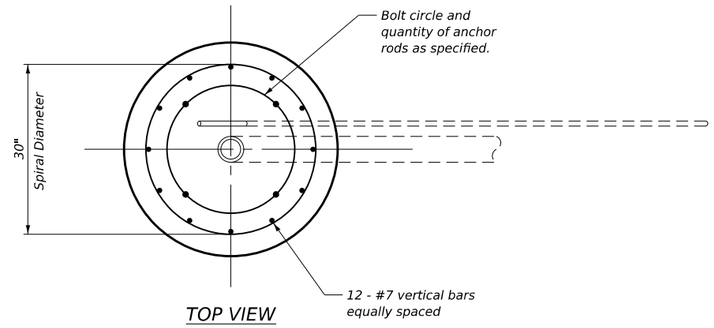
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	CHECKED - CCC	REVISED -	
PLOT DATE = 12/15/2025	DATE -	REVISED -	

City of Evanston

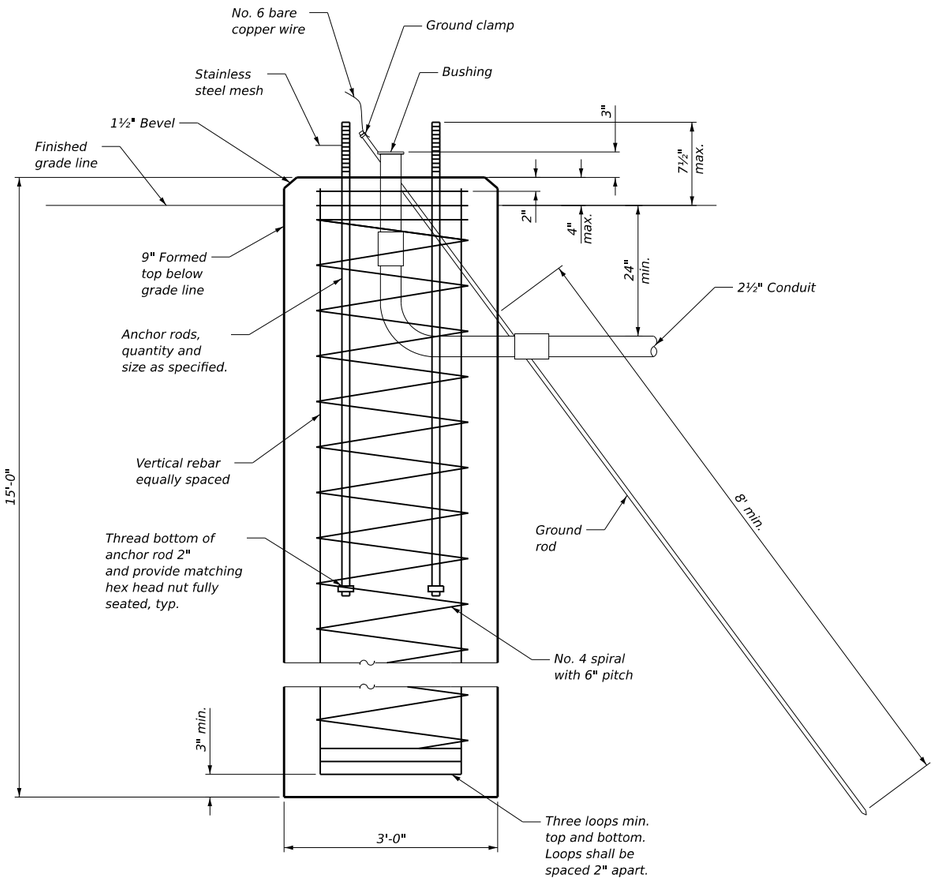
TRAFFIC SIGNAL INTERCONNECT SCHEMATIC
RIDGE AVENUE

SCALE: | SHEET 12 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	46
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



TOP VIEW



SECTION VIEW

MODEL: Signal Foundation [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-SIGNAL FOUNDATION.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - DC	REVISED -
	DRAWN - DC	REVISED -
	CHECKED - KF	REVISED -
PLOT DATE = 12/15/2025	DATE -	REVISED -

City of Evanston

SIGNAL FOUNDATION
RIDGE AVENUE

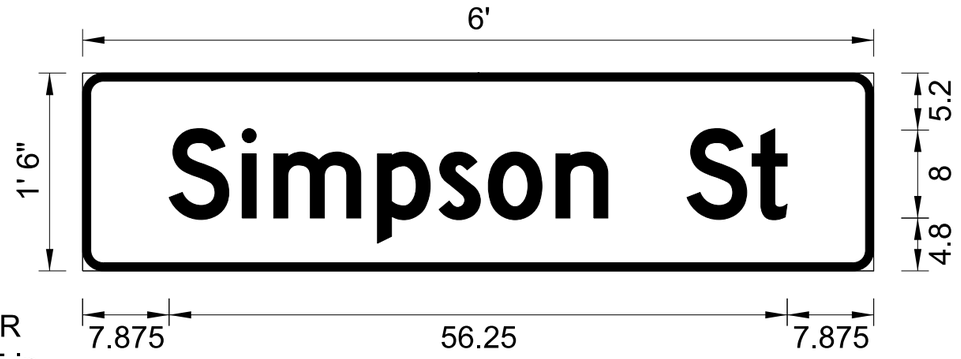
SCALE: | SHEET 13 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	47.

CONTRACT NO.

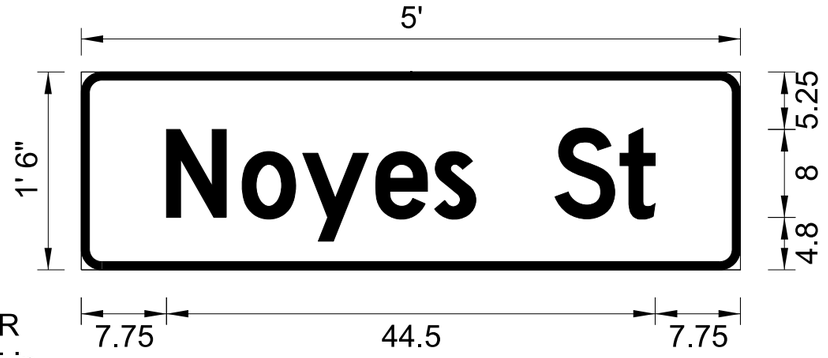
ILLINOIS | FED. AID PROJECT

SIGN PANEL - TYPE 1



BORDER
R=1.875 in
TH=0.75 in

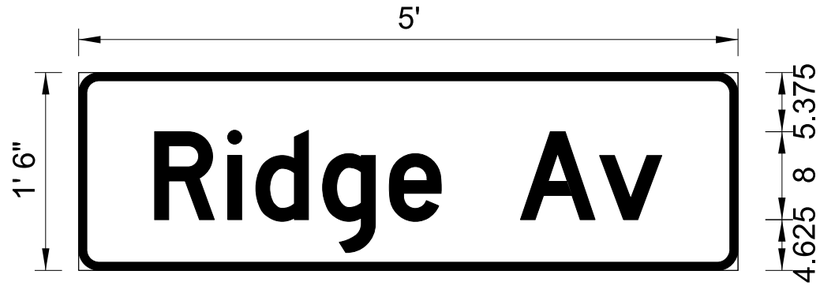
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D 2000	9	1	ZZ	2



BORDER
R=1.875 in
TH=0.75 in

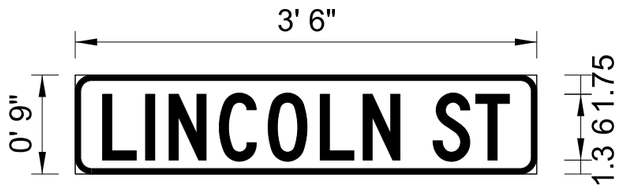
DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D 2000	7.5	1	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION, PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGN DETAILS.



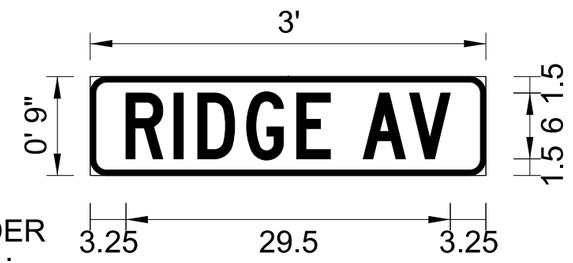
BORDER
R=1.875 in
TH=0.75 in

DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D 2000	7.5	1	ZZ	2



BORDER
R=1.5 in
TH=0.5 in

DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D 2000	2.625	1	ZZ	4



BORDER
R=1.5 in
TH=0.5 in

DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D 2000	2.25	1	ZZ	8

MODEL: MAST ARM [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-SIGNAL SOQ & MAST ARM SIGN.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - NAS	REVISED -
	DRAWN - NAS	REVISED -
	CHECKED - CCC	REVISED -
PLOT DATE = 12/19/2025	DATE -	REVISED -

City of Evanston

MAST ARM MOUNTED STREET NAME SIGNS
RIDGE AVENUE

SCALE: | SHEET 14 OF 20 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	48
CONTRACT NO.				
ILLINOIS	FED. AID PROJECT			

PAY ITEM NO.	ITEM DESCRIPTION	UNIT	QUANTITY			
			SIMPSON ST	NOYES ST	LINCOLN ST	INTERCONNECT
81028200	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	661	723	559	1443
81028220	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	64	89	229	0
81028240	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	201	229	268	0
81028720	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 1" DIA.	FOOT	51	80	40	0
81400100	HANDHOLE	EACH	6	5	5	1
81400300	DOUBLE HANDHOLE	EACH	1	1	1	0
85100500	PAINT NEW TRAFFIC SIGNAL POST	EACH	3	1	8	0
85100600	PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	2	4	0	0
85900100	TRANSCEIVER	EACH	1	1	1	0
86000100	MASTER CONTROLLER	EACH	0	0	1	0
87300925	ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1C	FOOT	0	0	0	3640
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	889	1019	959	0
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	856	1015	1041	0
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1452	1612	1508	0
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	307	382	265	0
87301900	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	868	959	1012	0
87502440	TRAFFIC SIGNAL POST, GALVANIZED STEEL 10 FT.	EACH	0	0	6	0
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2	1	4	0
87502520	TRAFFIC SIGNAL POST, GALVANIZED STEEL 18 FT.	EACH	1	0	0	0
87700140	STEEL MAST ARM ASSEMBLY AND POLE, 20 FT.	EACH	0	1	0	0
87700160	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	0	1	0	0
87700180	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1	0	0	0
87700200	STEEL MAST ARM ASSEMBLY AND POLE, 32 FT.	EACH	0	1	0	0
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1	1	0	0
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	12	4	40	0
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4	4	4	0
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	30	60	0	0
87900200	DRILL EXISTING HANDHOLE	EACH	1	1	2	0
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	4	8	0	0
88030050	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	5	4	12	0
88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8	8	8	0
88200510	TRAFFIC SIGNAL BACKPLATE, RETROREFLECTIVE	EACH	4	8	0	0
88600100	DETECTOR LOOP, TYPE I	FOOT	173	213	256	0
88700200	LIGHT DETECTOR	EACH	2	2	0	0
88700300	LIGHT DETECTOR AMPLIFIER	EACH	2	2	0	0
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	0	1	0	0
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1	1	0
89502380	REMOVE EXISTING HANDHOLE	EACH	3	3	3	0
89502382	REMOVE EXISTING DOUBLE HANDHOLE	EACH	0	1	1	0
89502385	REMOVE EXISTING CONCRETE FOUNDATION	EACH	5	5	3	0
Z0033046	RE-OPTIMIZE TRAFFIC SIGNAL SYSTEM LEVEL 2	EACH	1	1	1	0
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	0	1	0	0
X0324085	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	332	223	0	0
X1400150	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1	1	1	0
X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2	2	1	0
X1400378	PEDESTRIAN SIGNAL POST, 5 FT.	EACH	2	2	1	0
X8430100	REMOVE EXISTING CONDUIT ATTACHED TO STRUCTURE	FOOT	0	0	238	0
X8510204	PAINT NEW PEDESTRIAN PUSH-BUTTON POST	EACH	4	4	2	0
X8570233	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1	1	0	0
X8620200	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1	1	1	0
X8710200	FIBER OPTIC CABLE IN CONDUIT, NO. 62.5/125, MM12F SM36F	FOOT	0	0	0	4711
X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8	8	8	0
X8780012	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	16	16	8	0
X8900030	REMOVE EXISTING TEMPORARY TRAFFIC SIGNAL EQUIPMENT	EACH	0	1	0	0
X8950105	REMOVE EXISTING TRAFFIC CONTROLLER AND CABINET	EACH	1	1	1	0
*******	PAINT NEW TRAFFIC SIGNAL CABINET (SPECIAL)	EACH	1	1	1	0

1 1

MODEL: Signal SOQ [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-SIGNAL SOQ & MAST ARM SIGN.dgn

TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED - XEL	REVISED 10/14/2026	1	
	DRAWN - XEL	REVISED -		
	CHECKED - CCC	REVISED -		
PLOT DATE = 3/26/2026	DATE -	REVISED -		

City of Evanston

SCHEDULE OF QUANTITIES
RIDGE AVENUE

SCALE: | SHEET 15 OF 15 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	37
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

REMOVAL NOTES:

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR. THE CITY OF EVANSTON MAY WANT TO SALVAGE SOME OF THE EXISTING ITEMS LISTED BELOW. THE CONTRACTOR SHALL CHECK WITH THE ENGINEER TO VERIFY WHICH ITEMS THE CITY DESIRES TO KEEP. ANY UNWANTED ITEMS BY THE CITY SHALL BE DISPOSED OF BY THE CONTRACTOR OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACT BID PRICE.

1	EACH	CONTROLLER AND CABINET (COMPLETE)
2	EACH	ALUMINUM MAST ARM ASSEMBLY AND POLE
4	EACH	TRAFFIC SIGNAL POST
12	EACH	3-SECTION SIGNAL HEAD
8	EACH	PEDESTRIAN SIGNAL HEAD
1	EACH	SERVICE INSTALLATION
2	EACH	TRAFFIC SIGNAL BACKPLATE

EXISTING SIGN REMOVAL FOR RELOCATION LEGEND

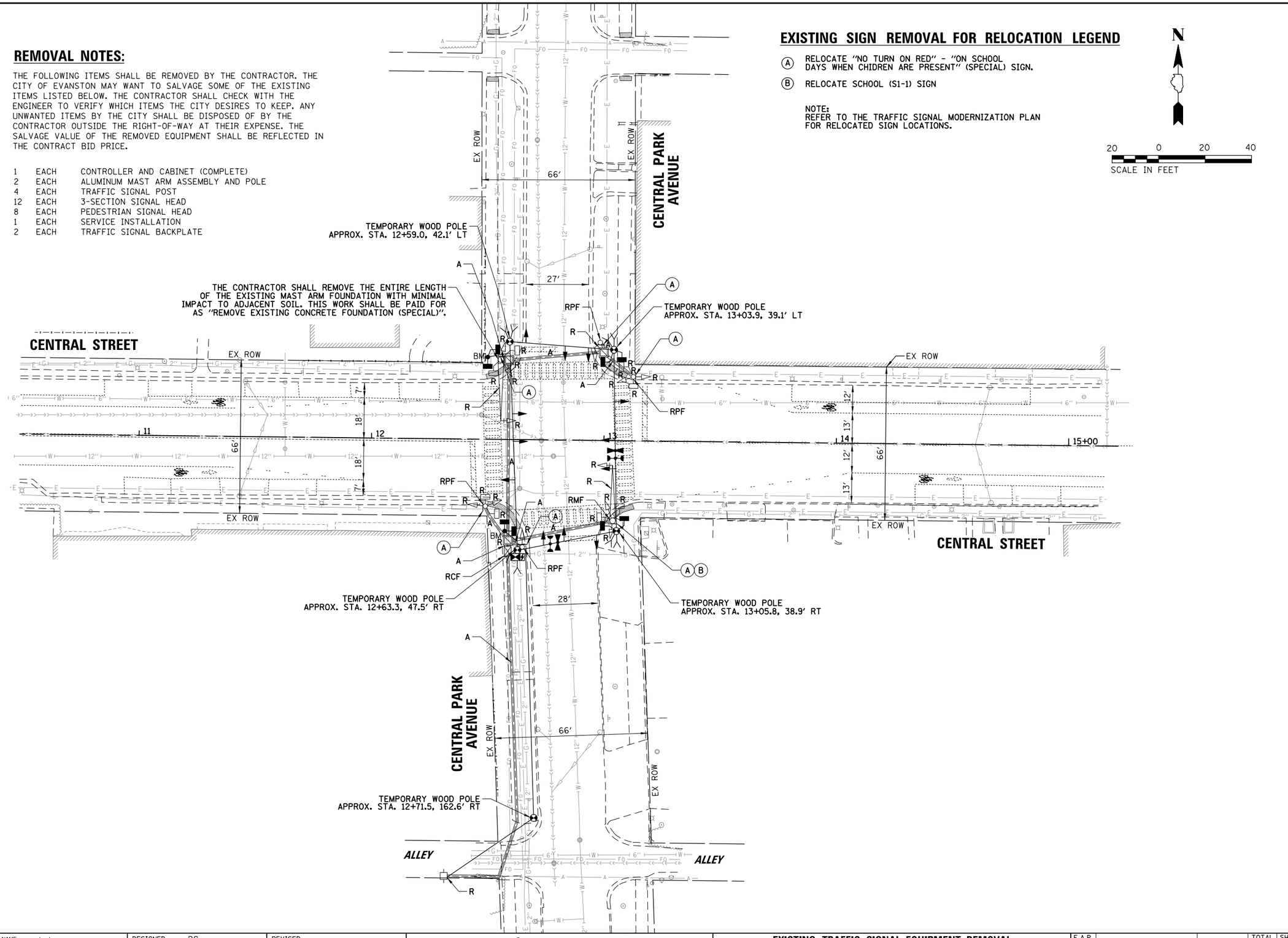
(A) RELOCATE "NO TURN ON RED" - "ON SCHOOL DAYS WHEN CHIDREN ARE PRESENT" (SPECIAL) SIGN.

(B) RELOCATE SCHOOL (S1-1) SIGN

NOTE:
REFER TO THE TRAFFIC SIGNAL MODERNIZATION PLAN FOR RELOCATED SIGN LOCATIONS.

N

20 0 20 40
SCALE IN FEET



CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN: NOTE BOOK NO. ____ | SURVEYED ____ | PLOTTED ____ | ALIGNMENT CHECKED ____ | BLA NOTES INCLUDED ____ | CADD FILE NAME ____ | BY ____ | DATE ____

PROFILE: NOTE BOOK NO. ____ | SURVEYED ____ | PLOTTED ____ | GRADES CHECKED ____ | BLA NOTES INCLUDED ____ | STRUCTURE NOTATIONS CHKD ____ | BY ____ | DATE ____

FILE NAME = N:\EVANSTON\230297\Traffic\TS-01_Central_REM.dgn	USER NAME = psubedi	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 4/14/2026	DATE -	REVISED -

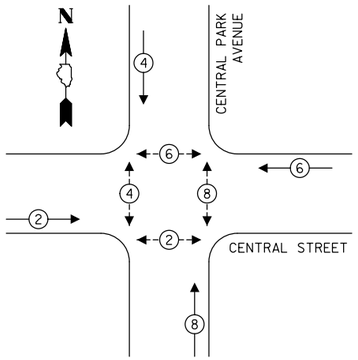
City of Evanston

EXISTING TRAFFIC SIGNAL EQUIPMENT REMOVAL AND TEMPORARY TRAFFIC SIGNAL INSTALLATION PLAN
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	50
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

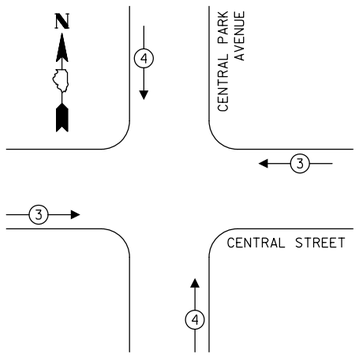
TEMPORARY CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL — OVERLAP

TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE

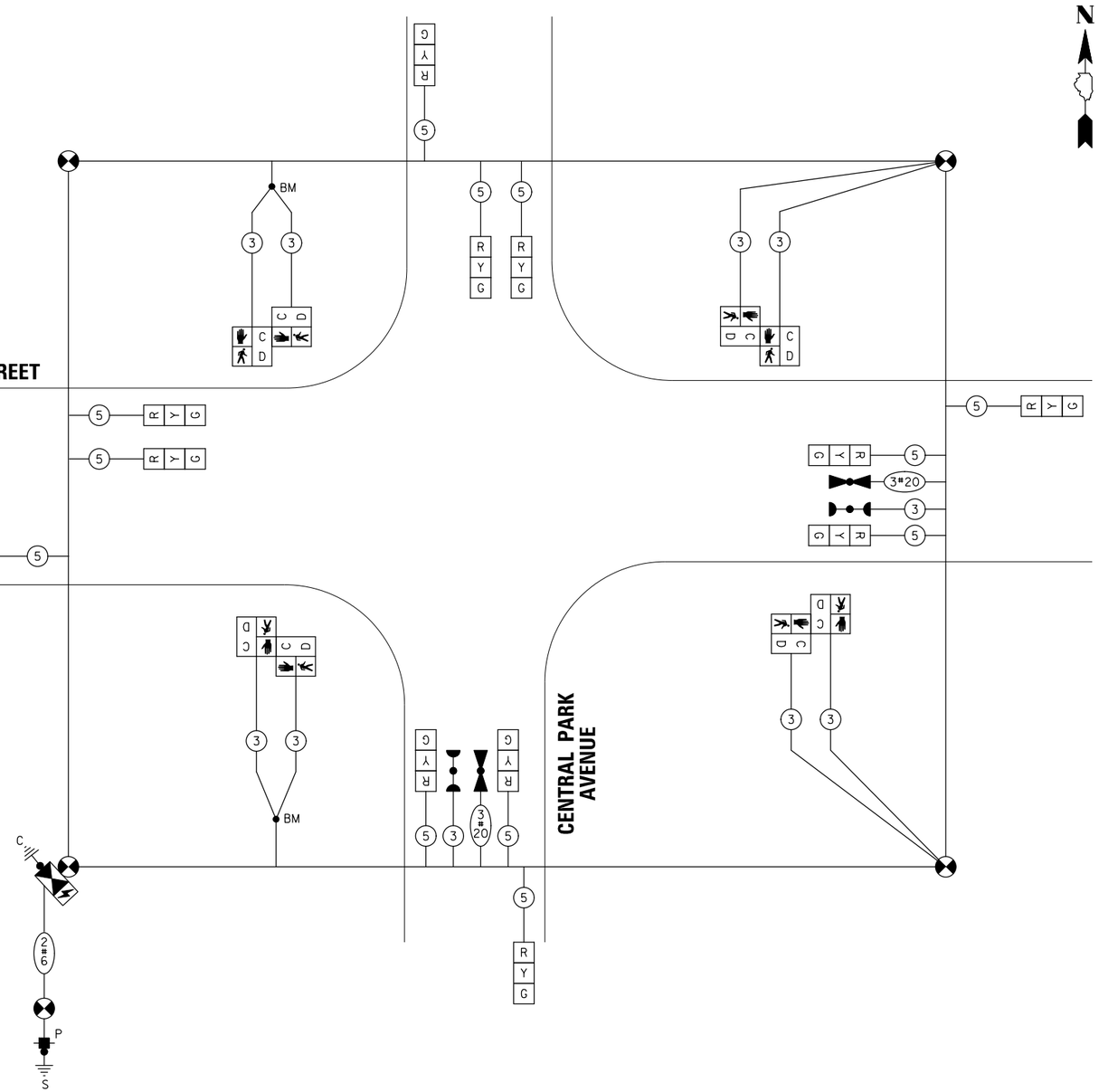


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	427.8

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVENUE
EVANSTON, ILLINOIS 60201

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: NEW PHONE
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



TEMPORARY CABLE PLAN

(NOT TO SCALE)

CHRISTOPHER B. BURKE ENGINEERING LTD.
9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

PLAN — NOTE BOOK — NO. —
SURVEYED — PLOTTED — ALIGNMENT CHECKED — R.O.W. MONUMENTED — CADD FILE NAME —
DATE — BY

PROFILE — NOTE BOOK — NO. —
SURVEYED — PLOTTED — GRADES CHECKED — BASE MAPS ADDED — STRUCTURE NOTATNS CHKD
DATE — BY

FILE NAME = N:\EVANSTON\230297\Traffic\TS-02_Central_TCB.dgn	USER NAME = psubedi	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 4/14/2026	DATE -	REVISED -

City of Evanston

TEMPORARY CABLE PLAN, TEMPORARY PHASE DESIGNATION DIAGRAM, AND TEMPORARY EMERGENCY VEHICLE PREEMPTION SEQUENCE
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	51
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

CONSTRUCTION NOTE:

① IF NECESSARY AND AT THE DISCRETION OF THE ENGINEER, THE CONTRACTOR SHALL EXCAVATE A TRENCH AT THE LOCATIONS NOTED ON THIS PLAN SHEET AND AT OTHER NECESSARY LOCATIONS FOR THE PURPOSE OF LOCATING EXISTING UTILITY CONFLICTS. THIS WORK SHALL BE PAID FOR AS "EXPLORATORY EXCAVATION".

② TREE TRIMMING PAY ITEM HAS BEEN ADDED TO CLEAR FOILAGE FOR THE NORTH AND SOUTH APPROACHES AS DIRECTED BY THE ENGINEER.

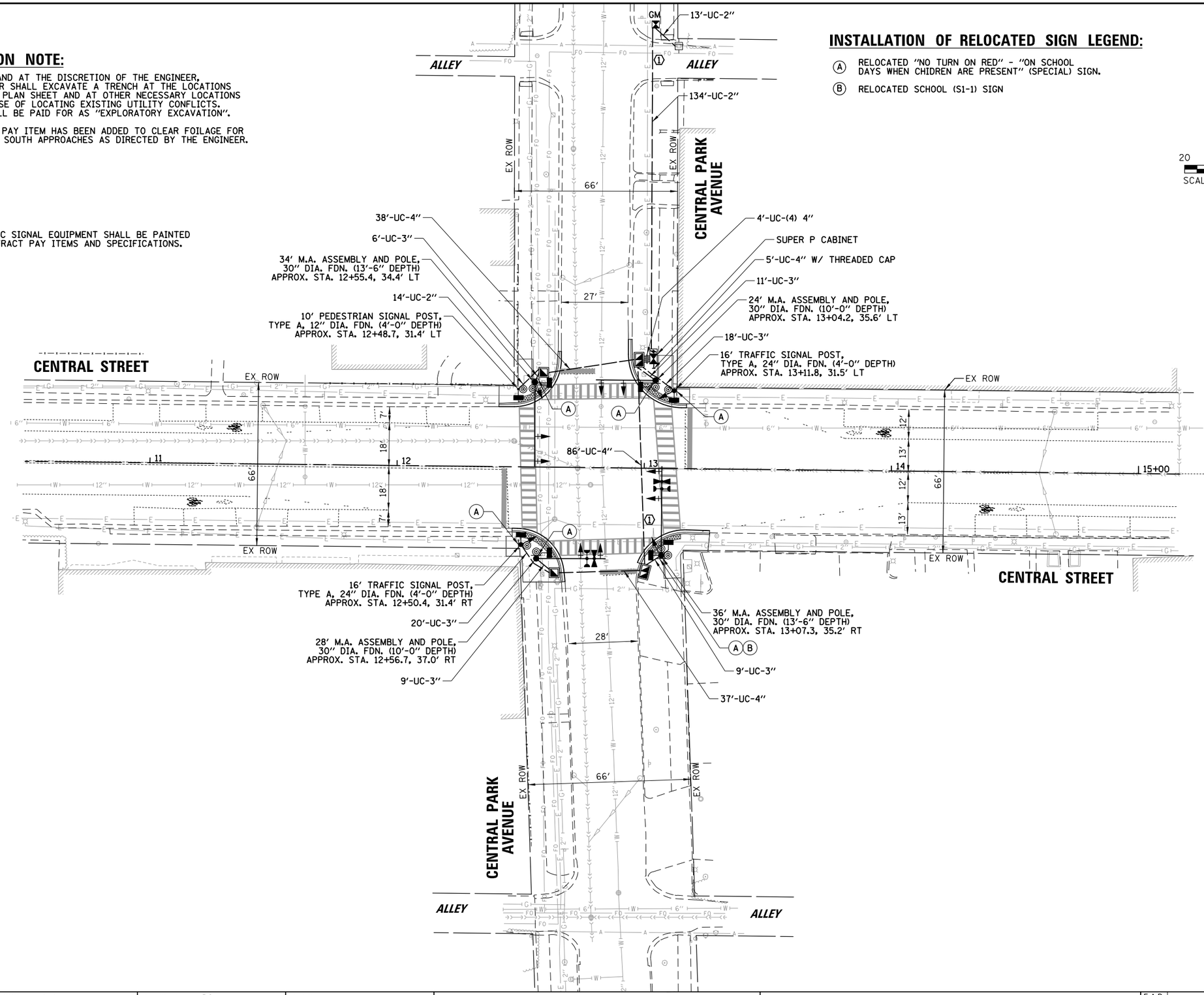
NOTE:

1. ALL NEW TRAFFIC SIGNAL EQUIPMENT SHALL BE PAINTED BLACK PER CONTRACT PAY ITEMS AND SPECIFICATIONS.

INSTALLATION OF RELOCATED SIGN LEGEND:

(A) RELOCATED "NO TURN ON RED" - "ON SCHOOL DAYS WHEN CHIDREN ARE PRESENT" (SPECIAL) SIGN.

(B) RELOCATED SCHOOL (S1-1) SIGN



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PLAN: SURVEYED, PLOTTED, ALIGNMENT CHECKED, ALL MONUMENTS FOUND, CADD FILE NAME, NOTE BOOK, NO.

PROFILE: SURVEYED, PLOTTED, GRADES CHECKED, R.L.A. VERIFIED, STRUCTURE NOTATIONS CH'KD, NOTE BOOK, NO.

BY / DATE

FILE NAME = N:\EVANSTON\230297\Traffic\TS-03_Central_MOD.dgn	USER NAME = psubedi	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 4/14/2026	DATE -	REVISED -

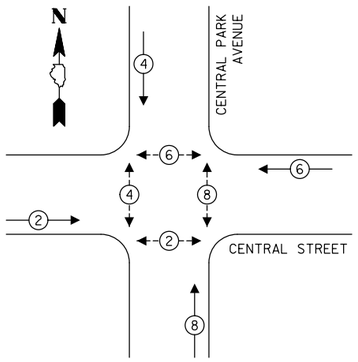
City of Evanston

TRAFFIC SIGNAL MODERNIZATION PLAN
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	52
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

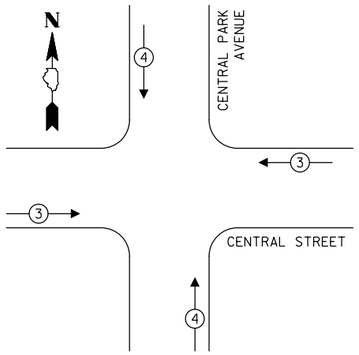
PROPOSED CONTROLLER SEQUENCE



LEGEND:

- PROTECTED PHASE
- PROTECTED/PERMITTED PHASE
- PEDESTRIAN PHASE
- OL OVERLAP

PROPOSED EMERGENCY VEHICLE PREEMPTION SEQUENCE

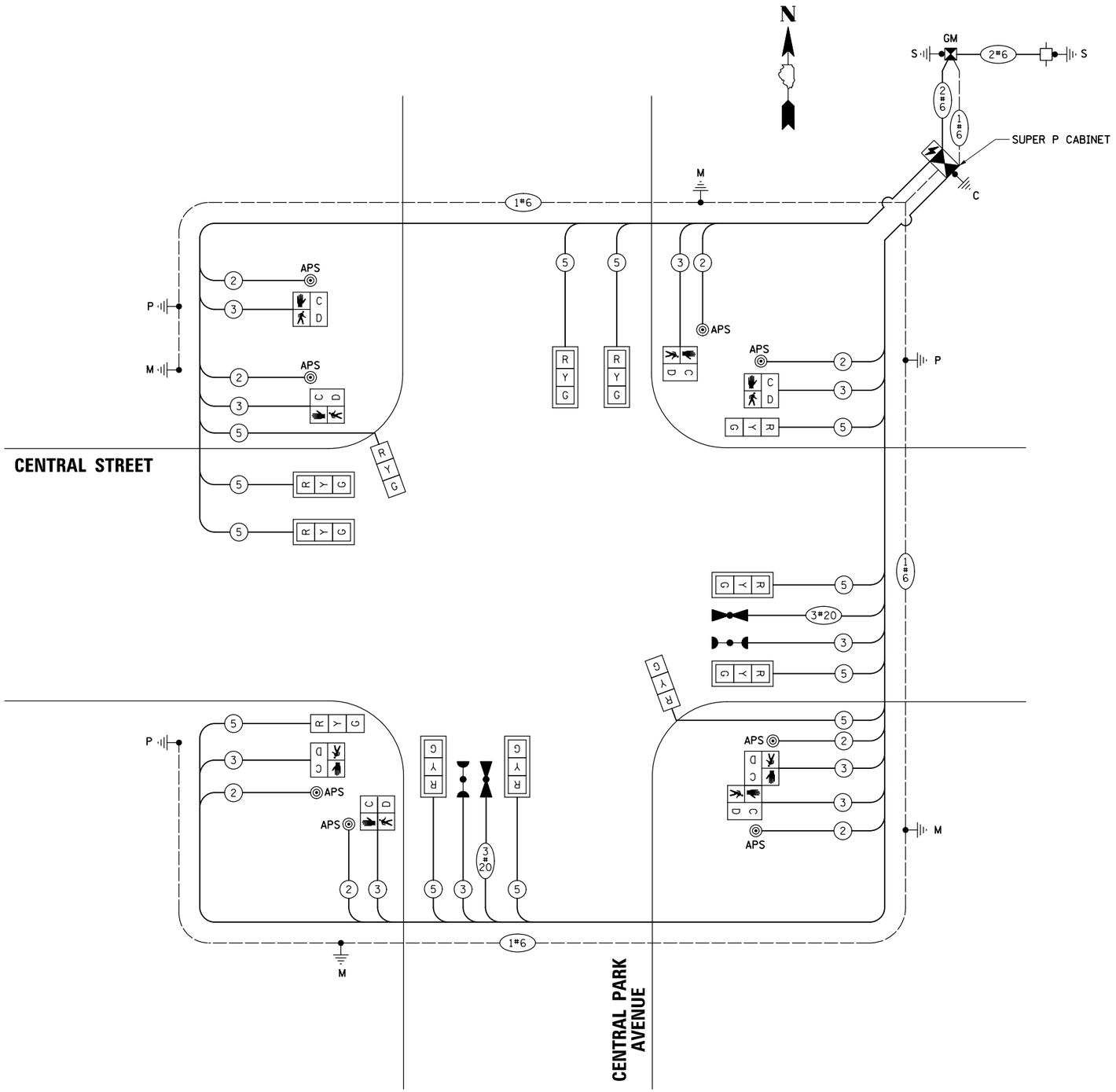


TRAFFIC SIGNAL ELECTRICAL SERVICE REQUIREMENTS

TYPE	NO. OF LAMPS	LED WATTAGE	% OPERATION	TOTAL WATTAGE
SIGNAL (RED)	12	11	50	66.0
(YELLOW)	12	20	5	12.0
(GREEN)	12	12	45	64.8
PERMISSIVE ARROW	-	10	10	-
PED. SIGNAL	8	20	100	160.0
CONTROLLER	1	100	100	100.0
UPS	1	25	100	25.0
VIDEO SYSTEM	-	150	100	-
BLANK-OUT SIGN	-	25	5	-
FLASHER	-	-	50	-
STREET NAME SIGN	-	120	50	-
LUMINAIRE	-	-	-	-
			TOTAL =	427.8

ENERGY COSTS TO:
CITY OF EVANSTON
2100 RIDGE AVENUE
EVANSTON, ILLINOIS 60201

ENERGY SUPPLY: CONTACT: NEW BUSINESS
PHONE: NEW PHONE
COMPANY: COMMONWEALTH EDISON
ACCOUNT NUMBER: ---



CABLE PLAN
(NOT TO SCALE)

PROFILE — SURVEYED / PLOTTED / GRADES CHECKED / BLANK NOTES / STRUCTURE NOTATNS CHKD — NOTE BOOK — NO.

PLAN — SURVEYED / PLOTTED / ALIGNMENT CHECKED / BLANK NOTES / CADD FILE NAME — NOTE BOOK — NO.

BY — DATE

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9575 West Higgins Road, Suite 600
Rosemont, Illinois 60018
(847) 823-0500

FILE NAME = N:\EVANSTON\230297\Traffic\TS-04_Central_CAB.dgn	USER NAME = psubedi	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 4/14/2026	DATE -	REVISED -

City of Evanston

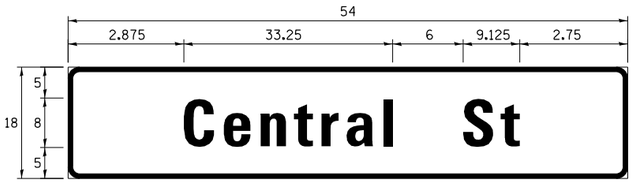
CABLE PLAN, PHASE DESIGNATION DIAGRAM AND EMERGENCY VEHICLE PREEMPTION SEQUENCE CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	53
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

SIGN PANEL – TYPE 1

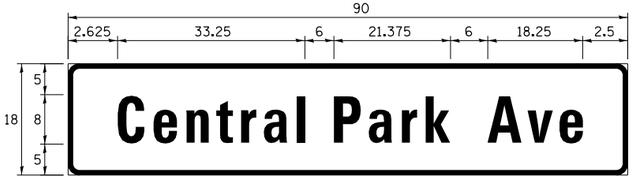
ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	ZZ	2

SIGN PANEL – TYPE 2

ALL DIMENSIONS ARE IN INCHES UNLESS NOTED OTHERWISE



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	11.25	2	ZZ	2

NOTE: FOR ADDITIONAL DESIGN AND INSTALLATION INFORMATION PLEASE SEE DISTRICT ONE MAST ARM MOUNTED STREET NAME SIGN DETAILS.

SCHEDULE OF QUANTITIES

	ITEM DESCRIPTION	UNIT	QUANTITY
*	TRENCH BACKFILL	CU YD	10
	SIGN PANEL - TYPE 1	SQ FT	14
	SIGN PANEL - TYPE 2	SQ FT	23
	RELOCATE SIGN PANEL - TYPE 1	SQ FT	45
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	161
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	73
	UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	182
	HANDHOLE	EACH	2
	DOUBLE HANDHOLE	EACH	2
	PAINT NEW TRAFFIC SIGNAL POST	EACH	3
	PAINT NEW MAST ARM AND POLE, UNDER 40 FOOT	EACH	4
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	930
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1393
	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	1704
	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	192
	ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	693
	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
	STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 28 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 34 FT.	EACH	1
	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
	CONCRETE FOUNDATION, TYPE A	FOOT	12
	CONCRETE FOUNDATION, TYPE C	FOOT	4
	CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	47
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	8
	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	4
	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	8
	TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	8
	LIGHT DETECTOR	EACH	2
	LIGHT DETECTOR AMPLIFIER	EACH	1
	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
	REMOVE EXISTING HANDHOLE	EACH	3
	REMOVE EXISTING CONCRETE FOUNDATION	EACH	6
	EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	407
	FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
	SERVICE INSTALLATION, GROUND MOUNTED, METERED	EACH	1
	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	1
	TREE TRIMMING	EACH	4
	UNINTERRUPTABLE POWER SUPPLY (SPECIAL)	EACH	1
	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	8
	CONCRETE FOUNDATION, TYPE A 12-INCH DIAMETER	FOOT	4
	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1
*	EXPLORATORY EXCAVATION	FOOT	15
*	CLASS D PATCHES, SPECIAL	SQ YD	10
	REMOVE EXISTING CONCRETE FOUNDATION (SPECIAL)	EACH	1
	PAINT NEW TRAFFIC SIGNAL CABINET (SPECIAL)	EACH	1

* NOMINAL PAY ITEM AND QUANTITY. TO BE USED AS NEEDED AND AS APPROVED BY THE ENGINEER.

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9575 West Higgins Road, Suite 600
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PLAN — NOTE BOOK — NO. — SURVEYED — PLOTTED — ALIGNMENT CHECKED — ALL NOTES CHECKED — CADD FILE NAME — BY — DATE

PROFILE — NOTE BOOK — NO. — SURVEYED — PLOTTED — GRADES CHECKED — ALL NOTES CHECKED — STRUCTURE NOTATIONS CHKD — BY — DATE

FILE NAME = N:\EVANSTON\230297\Traffic\TS-05_Central_STN.dgn	USER NAME = psubedi	DESIGNED - BC	REVISED -
		DRAWN - FPB	REVISED -
	PLOT SCALE = 40'	CHECKED - GMZ	REVISED -
	PLOT DATE = 4/14/2026	DATE -	REVISED -

City of Evanston

MAST ARM MOUNTED STREET NAME SIGNS AND SCHEDULE OF QUANTITIES
CENTRAL STREET AT CENTRAL PARK AVENUE

SCALE: 1" = 40' | SHEET NO. OF SHEETS | STA. TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	54
		CONTRACT NO.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		

ABV	ABOVE	CU YD	CUBIC YARD	HATCH	HATCHING	PM	PAVEMENT MARKING	STD	STANDARD
A/C	ACCESS CONTROL	CULV	CULVERT	HD	HEAD	PED	PEDESTAL	SBI	STATE BOND ISSUE
AC	ACRE	C&G	CURB & GUTTER	HDW	HEADWALL	PNT	POINT	SR	STATE ROUTE
ADJ	ADJUST	D	DEGREE OF CURVE	HDUTY	HEAVY DUTY	PC	POINT OF CURVATURE	STA	STATION
AS	AERIAL SURVEYS	DC	DEPRESSED CURVE	ha	HECTARE	PI	POINT OF INTERSECTION OF HORIZONTAL CURVE	SPBGR	STEEL PLATE BEAM GUARDRAIL
AGG	AGGREGATE	DET	DETECTOR	HMA	HOT MIX ASPHALT			SS	STORM SEWER
AH	AHEAD	DIA	DIAMETER	HWY	HIGHWAY	PRC	POINT OF REVERSE CURVE	STY	STORY
APT	APARTMENT	DIST	DISTRICT	HORIZ	HORIZONTAL	PT	POINT OF TANGENCY	ST	STREET
ASPH	ASPHALT	DOM	DOMESTIC	HSE	HOUSE	POT	POINT ON TANGENT	STR	STRUCTURE
AUX	AUXILIARY	DBL	DOUBLE	IL	ILLINOIS	POLYETH	POLYETHYLENE	e	SUPERELEVATION RATE
AGS	AUXILIARY GAS VALVE (SERVICE)	DSEL	DOWNSTREAM ELEVATION	IMP	IMPROVEMENT	PCC	PORTLAND CEMENT CONCRETE	S.E. RUN.	SUPERELEVATION RUNOFF LENGTH
AVE	AVENUE	DSFL	DOWNSTREAM FLOWLINE	IN DIA	INCH DIAMETER	PP	POWER POLE OR PRINCIPAL POINT	SURF	SURFACE
AX	AXIS OF ROTATION	DR	DRAINAGE OR DRIVE	INL	INLET	PRM	PRIME	SMK	SURVEY MARKER
BK	BACK	DI	DRAINAGE INLET OR DROP INLET	INST	INSTALLATION	PE	PRIVATE ENTRANCE	T	TANGENT DISTANCE
B-B	BACK TO BACK	DRV	DRIVEWAY	IDS	INTERSECTION DESIGN STUDY	PROF	PROFILE	T.R.	TANGENT RUNOUT DISTANCE
BKPL	BACKPLATE	DUCT	DUCT	INV	INVERT	PGL	PROFILE GRADELINE	TEL	TELEPHONE
B	BARN	EA	EACH	IP	IRON PIPE	PROJ	PROJECT	TB	TELEPHONE BOX
BARR	BARRICADE	EB	EASTBOUND	IR	IRON ROD	P.C.	PROPERTY CORNER	TP	TELEPHONE POLE
BL	BASELINE	EOP	EDGE OF PAVEMENT	JT	JOINT	PL	PROPERTY LINE	TEMP	TEMPORARY
BGN	BEGIN	E-CL	EDGE TO CENTERLINE	kg	KILOGRAM	PR	PROPOSED	TBM	TEMPORARY BENCH MARK
BM	BENCHMARK	E-E	EDGE TO EDGE	km	KILOMETER	R	RADIUS or RESIDENTUAL	TD	TILE DRAIN
BIND	BINDER	ELEC	ELECTRICAL	LS	LANDSCAPING	RR	RAILROAD	TBE	TO BE EXTENDED
BIT	BITUMINOUS	EL	ELEVATION	LN	LANE	RRS	RAILROAD SPIKE	TBR	TO BE REMOVED
BTM	BOTTOM	ENTR	ENTRANCE	LT	LEFT	RPS	REFERENCE POINT S"AKE	TBS	TO BE SAVED
BLVD	BOULEVARD	EXC	EXCAVATION	LIDAR	LIGHT DETECTION AND RANGING	REF	REFLECTIVE	TWP	TOWNSHIP
BRK	BRICK	EX	EXISTING	LP	LIGHT POLE	RCCP	REINFORCED CONCRETE CULVERT PIPE	TR	TOWNSHIP ROAD
BBOX	BUFFALO BOX	EXPWAY	EXPRESSWAY	LGT	LIGHTING	REINF	REINFORCEMENT	TS	TRAFFIC SIGNAL
BLDG	BUILDING	E	EXTERNAL DISTANCE OF HORIZONTAL CURVE	LF	LINEAL FEET OR LINEAR FEET	REM	REMOVAL	TSCB	TRAFFIC SIGNAL CONTROL BOX
CATV	CABLE	E	OFFSET DISTANCE TO VERTICAL CURVE	L	LITER OR CURVE LENGTH	RC	REMOVE CROWN	TSC	TRAFFIC SYSTEMS CENTER
CIP	CAST IRON PIPE	F-F	FACE TO FACE	LC	LONG CHORD	REP	REPLACEMENT	TRVS	TRANSVERSE
CB	CATCH BASIN	FA	FEDERAL AID	LNG	LONGITUDINAL	REST	RESTAURANT	TRVL	TRAVEL
C-C	CENTER TO CENTER	FAI	FEDERAL AID INTERSTATE	L SUM	LUMP SUM	RESURF	RESURFACING	TRN	TURN
CL	CENTERLINE OR CLEARANCE	FAP	FEDERAL AID PRIMARY	MACH	MACHINE	RET	RETAINING	TY	TYPE
CL-E	CENTERLINE TO EDGE	FAS	FEDERAL AID SECONDARY	MB	MAIL BOX	RT	RIGHT	T-A	TYPE A
CL-F	CENTERLINE TO FACE	FAUS	FEDERAL AID URBAN SECONDARY	MH	MANHOLE	ROW	RIGHT-OF-WAY	TYP	TYPICAL
CTS	CENTERS	FP	FENCE POST	MATL	MATERIAL	RD	ROAD	UNDGND	UNDERGROUND
CERT	CERTIFIED	OPT	FIBER OPTIC	MED	MEDIAN	RDWY	ROADWAY	USGS	U.S. GEOLOGICAL SURVEY
CHSLD	CHISELED	FE	FIELD ENTRANCE	m	METER	RTE	ROUTE	USEL	UPSTREAM ELEVATION
CS	CITY STREET	FH	FIRE HYDRANT	METH	METHOD	SAN	SANITARY	USFL	UPSTREAM FLOWLINE
CP	CLAY PIPE	FL	FLOW LINE	M	MID-ORDINATE	SANS	SANITARY SEWER	UTIL	UTILITY
CLSD	CLOSED	FB	FOOT BRIDGE	mm	MILLIMETER	SEC	SECTION	VBOX	VALVE BOX
CLID	CLOSED LID	FDN	FOUNDATION	mm DIA	MILLIMETER DIAMETER	SEED	SEEDING	VV	VALVE VAULT
CT	COAT OR COURT	FR	FRAME	MIX	MIXTURE	SHAP	SHAPING	VLT	VAULT
COMB	COMBINATION	F&G	FRAME & GRATE	MBH	MOBILE HOME	S	SHED	VEH	VEHICLE
C	COMMERCIAL BUILDING	FRWAY	FREEWAY	MOD	MODIFIED	SH	SHEET	VP	VENT PIPE
CE	COMMERCIAL ENTRANCE	GAL	GALLON	MFT	MOTOR FUEL TAX	SHLD	SHOULDER	VERT	VERTICAL
CONC	CONCRETE	GALV	GALVANIZED	N & BC	NAIL & BOTTLE CAP	SW	SIDEWALK OR SOUTHWEST	VC	VERTICAL CURVE
CONST	CONSTRUCT	G	GARAGE	N & C	NAIL & CAP	SIG	SIGNAL	VPC	VERTICAL POINT OF CURVATURE
CONTD	CONTINUED	GM	GAS METER	N & W	NAIL & WASHER	SOD	SODDING	VPI	VERTICAL POINT OF INTERSECTION
CONT	CONTINUOUS	GV	GAS VALVE	NC	NORMAL CROWN	SM	SOLID MEDIAN	VPT	VERTICAL POINT OF TANGENCY
COR	CORNER	GIS	GEOGRAPHICAL INFORMATION SYSTEM	NB	NORTHBOUND	SB	SOUTHBOUND	WM	WATER METER
CORR	CORRUGATED	GRAN	GRANULAR	NE	NORTHEAST	SE	SOUTHEAST	WV	WATER VALVE
CMP	CORRUGATED METAL PIPE	GR	GRATE	NW	NORTHWEST	SPL	SPECIAL	WMAIN	WATER MAIN
CNTY	COUNTY	GRVL	GRAVEL	O/S	OFFSET	SD	SPECIAL DITCH	WB	WESTBOUND
CH	COUNTY HIGHWAY	GND	GROUND	O&C	OIL AND CHIP	SQ FT	SQUARE FEET	WILDFL	WILDFLOWERS
CSE	COURSE	GUT	GUTTER	OLID	OPEN LID	m^2	SQUARE METER	W	WITH
XSECT	CROSS SECTION	GP	GUY POLE	PAT	PATTERN	mm^2	SQUARE MILLIMETER	WO	WITHOUT
m^3	CUBIC METER	GW	GUY WIRE	PVD	PAVED	SQ YD	SQUARE YARD		
mm^3	CUBIC MILLIMETER	HH	HANDHOLE	PVMT	PAVEMENT	STB	STABILIZED		

Illinois Department of Transportation

APPROVED January 1, 2021
ENGINEER OF POLICY AND PROCEDURES

APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

BSRR3 (ISH)008 APVL

DATE	REVISIONS
1-1-21	Updated fonts, abbreviations, and symbols.
1-1-19	Added new symbols.

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS (Sheet 1 of 9)

STANDARD 000001-08

ADJUSTMENT ITEMS

	EX	PR
Structure To Be Adjusted		ADJ
Structure To Be Cleaned		C
Main Structure To Be Filled		FM
Structure To Be Filled		F
Structure To Be Filled Special		FSP
Structure To Be Removed		R
Structure To Be Reconstructed		REC
Structure To Be Reconstructed Special		RSP
Frame and Grate To Be Adjusted		A
Frame and Lid To Be Adjusted		A
Domestic Service Box To Be Adjusted		A
Valve Vault To Be Adjusted		A
Special Adjustment		SP
Item To Be Abandoned		AB
Item To Be Moved		M
Item To Be Relocated		REL
Pavement Removal and Replacement		

ALIGNMENT ITEMS

	EX	PR
Baseline		
Centerline		
Centerline Break Circle		
Baseline Symbol		
Centerline Symbol		
PI Indicator		
Point Indicator		
Horizontal Curve Data (Half Size)	EX. CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=	CURVE P.I. STA= Δ= D= R= T= L= E= e= T.R.= S.E. RUN= P.C. STA= P.T. STA=

BOUNDARIES ITEMS

	EX	PR
Dashed Property Line		
Solid Property/Lot Line		
Section/Grant Line		
Quarter Section Line		
Quarter/Quarter Section Line		
County/Township Line		
State Line		
Chiseled Square Found		
Iron Pipe Found		
Iron Pipe Set		
Survey Marker		
Property Line Symbol		
Same Ownership Symbol (Half Size)		
Northwest Quarter Corner (Half Size)		
Section Corner (Half Size)		
Southeast Quarter Corner (Half Size)		

DRAINAGE ITEMS

	EX	PR
Channel or Stream Line		
Culvert Line		
Grading & Shaping Ditches		
Drainage Boundary Line		
Paved Ditch		
Aggregate Ditch		
Pipe Underdrain		
Storm Sewer		
Flowline		
Ditch Check		
Headwall		
Inlet		
Manhole		
Summit		
Roadway Ditch Flow		
Swale		
Catch Basin		
Culvert End Section		
Water Surface Indicator		
Riprap		

HYDRAULICS ITEMS

	EX	PR
Overflow		
Sheet Flow		
Hydrant Outlet		

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS (Sheet 2 of 9)

STANDARD 000001-08

EROSION & SEDIMENT CONTROL ITEMS

	EX	PR
Cleaning & Grading Limits		
Dike		
Erosion Control Fence		
Perimeter Erosion Barrier		
Temporary Fence		
Ditch Check Temporary		
Ditch Check Permanent		
Inlet & Pipe Protection		
Sediment Basin		
Erosion Control Blanket		
Fabric Formed Concrete Revetment Mat		
Turf Reinforcement Mat		
Mulch Temporary		
Mulch Method 1		
Mulch Method 2 Stabilized		
Mulch Method 3 Hydraulic		

CONTOUR ITEMS

	EX	PR
Approx. Index Line		
Approx. Intermediate Line		
Index Contour		
Intermediate Contour		

NON-HIGHWAY IMPROVEMENT ITEMS

	EX	PR
Noise Attn./Levee		
Field Line	E	
Fence		
Base of Levee		
Mailbox		
Multiple Mailboxes		
Pay Telephone		
Advertising Sign		
*ITS Camera		
Wind Turbine		
Cellular Tower		

*Intelligent Transportation Systems

LANDSCAPING ITEMS

	EX	PR
Contour Mounding Line		
Fence		
Fence Post		
Shrubs		
Mowline		
Perennial Plants		
Seeding Class 2		
Seeding Class 2A		
Seeding Class 4		
Seeding Class 4 & 5 Combined		

EXISTING LANDSCAPING ITEMS (contd.)

	EX	PR
Seeding Class 5		
Seeding Class 7		
Seedlings Type 1		
Seedlings Type 2		
Sodding		
Mowstake w/Sign		
Tree Trunk Protection		
Evergreen Tree	E	
Shade Tree	E	

LIGHTING

	EX	PR
Duct		
Conduit		
Electrical Aerial Cable		
Electrical Buried Cable		
Controller		
Underpass Luminaire		
Power Pole		

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS (Sheet 3 of 9)

STANDARD 000001-08

LIGHTING (contd.)

	EX	PR
Pull Point		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Unit Comb.		
Electrical Ground		
Traffic Flow Arrow		
High Mast Pole (Half Size)		
Light Unit-1		

PAVEMENT (MISC.)

	EX	PR
Keyed Long. Joint		
Keyed Long. Joint w/Tie Bars		
Sawed Long. Joint w/Tie Bars		
Bituminous Shoulder		
Bituminous Taper		
Stabilized Driveway		
Widening		

PAVEMENT MARKINGS

	EX	PR
Handicap Symbol		
RR Crossing		
Raised Marker Amber 1 Way		
Raised Marker Amber 2 Way		
Raised Marker Crystal 1 Way		
Two Way Turn Left		
Shoulder Dlag. Pattern		
Skip-Dash White		
Skip-Dash Yellow		
Stop Line		
Solid Line		
Double Centerline		
Dotted Lines		

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS (Sheet 4 of 9)

STANDARD 000001-08

MODEL: IDOT Hwy Stds [Sheet]
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TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 1 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	55
CONTRACT NO.				
ILLINOIS	FED. AID PROJECT			

PAVEMENT MARKINGS (contd.)

	EX	PR
CL 2Ln 2Way RRPM 12.2 m (40') o.c.		
CL 2Ln 2Way RRPM 80' (24.4 m) o.c.		
CL Multilane Div. RRPM 40' (12.2 m) o.c.		
CL Multilane Div. RRPM 80' (24.4 m) o.c.		
CL Multilane Div. Dbl. RRPM 80' (24.4 m) o.c.		
CL Multilane Undiv.		
Two Way Turn Left Line		
Urban Combination Left		
Urban Combination Right		
Urban Left Turn Arrow		
Urban Right Turn Arrow		
Urban Left Turn Only		
Urban Right Turn Only		
Urban Thru Only		
Urban LT & RT Turn Arrow		
Urban Thru Arrow		

RAILROAD ITEMS

	EX	PR
Abandoned Railroad		
Railroad		
Railroad Point		
Control Box		
Crossing Gate		
Flashing Signal		
Railroad Cant. Mast Arm		
Crossbuck		

REMOVAL ITEMS

	EX	PR
Removal Tic		
Bituminous Removal		
Hatch Pattern		
Tree Removal Single		

RIGHT OF WAY ITEMS

	EX	PR
Future ROW Corner Monument		
ROW Marker		
ROW Line		
Easement		
Temporary Easement		

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BDE/SCD 1 of 2

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
(Sheet 5 of 9)

STANDARD 000001-08

PAVEMENT MARKINGS (contd.)

	EX	PR
Urban U-Turn		
Urban Combined U-Turn		
Rural Combination Left		
Rural Combination Right		
Rural Left Turn Arrow		
Rural Right Turn Arrow		
Rural Left Turn Only		
Rural Right Turn Only		
Rural Thru Only		
Rural Thru Arrow		
Rural Lt & Rt Turn Arrow		
Bike Lane Symbol		
Bike Lane Text		
Bike Path Shared		
Bike Shared Roadway		
Lane Drop Symbol		
Wrong Way Arrow		

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BDE/SCD 1 of 2

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
(Sheet 6 of 9)

STANDARD 000001-08

RIGHT OF WAY ITEMS (contd.)

	EX	PR
Access Control Line		
Access Control Line & ROW		
Access Control Line & ROW with Fence		
Excess ROW Line		

ROADWAY PLAN ITEMS

	EX	PR
Cable Barrier		
Concrete Barrier		
Edge of Pavement		
Bit Shoulders, Medians and C&G Line		
Aggregate Shoulder		
Sidewalks, Driveways		
Guardrail		
Guardrail Post		
Traffic Sign		
Corrugated Median		
Impact Attenuator		
North Arrow with District Office (Half Size)		
Match Line		STA. 45+00
Slope Limit Line		
Typical Cross-Section Line		

ROADWAY PROFILES

	EX	PR
P.I. Indicator		
Point Indicator		
Earthworks Balance Point		
Begin Point		
Vert. Curve Data	VPI = ELEV= L= E=	VPI = ELEV= L= E=
Ditch Profile Left Side		
Ditch Profile Right Side		
Roadway Profile Line		
Storm Sewer Profile Left Side		
Storm Sewer Profile Right Side		

SIGNING ITEMS

	EX	PR
Cone, Drum or Barricade		
Barricade Type II		
Barricade Type III		
Barricade With Edge Line		
Flashing Light Sign		
Panels I		
Panels II		
Direction of Traffic		
Sign Flag (Half Size)		

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BDE/SCD 1 of 2

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
(Sheet 7 of 9)

STANDARD 000001-08

SIGNING ITEMS (contd.)

	EX	PR
Reverse Left W1-4L (Half Size)		
Reverse Right W1-4R (Half Size)		
Two Way Traffic Sign W6-3 (Half Size)		
Detour Ahead W20-2(O) (Half Size)		DETOUR AHEAD
Left Lane Closed Ahead W20-5L(O) (Half Size)		LEFT LANE CLOSED AHEAD
Right Lane Closed Ahead W20-5R(O) (Half Size)		RIGHT LANE CLOSED AHEAD
Road Closed Ahead W20-3(O) (Half Size)		ROAD CLOSED AHEAD
Road Construction Ahead W20-1-(O) (Half Size)		ROAD CONSTRUCTION AHEAD
Single Lane Ahead (Half Size)		SINGLE LANE AHEAD
Transition Left W4-2L (Half Size)		
Transition Right W4-2R (Half Size)		

SIGNING ITEMS (contd.)

	EX	PR
One Way Arrow Lrg. W1-6-(O) (Half Size)		
Two Way Arrow Large W1-7-(O) (Half Size)		
Detour M4-10L-(O) (Half Size)		DETOUR
Detour M4-10R-(O) (Half Size)		DETOUR
One Way Left R6-1L (Half Size)		ONE WAY
One Way Right R6-1R (Half Size)		ONE WAY
Left Turn Lane R3-H100L (Half Size)		LEFT TURN LANE
Keep Left R4-7AL (Half Size)		KEEP LEFT
Keep Left R4-7BL (Half Size)		KEEP LEFT
Keep Right R4-7AR (Half Size)		KEEP RIGHT
Keep Right R4-7BR (Half Size)		KEEP RIGHT
Stop Here On Red R10-6-AL (Half Size)		STOP HERE ON RED
Stop Here On Red R10-6-AR (Half Size)		STOP HERE ON RED
No Left Turn R3-2 (Half Size)		
No Right Turn R3-1 (Half Size)		
Road Closed R11-2 (Half Size)		ROAD CLOSED
Road Closed Thru Traffic R11-2 (Half Size)		ROAD CLOSED TO THRU TRAFFIC

STRUCTURES ITEMS

	EX	PR
Box Culvert Barrel		
Box Culvert Headwall		
Bridge Pier		
Bridge		
Retaining Wall		
Temporary Sheet Piling		

TRAFFIC SHEET ITEMS

	EX	PR
Cable Number		
Left Turn Green		G
Left Turn Yellow		Y
Signal Backplate		
Signal Section 8" (200 mm)		
Signal Section 12" (300 mm)		
Walk/Don't Walk Letters		DW W
Walk/Don't Walk Symbols		

TRAFFIC SIGNAL ITEMS

	EX	PR
Galv. Steel Conduit		
Underground Cable		
Detector Loop Line		
Detector Loop Large		
Detector Loop Small		
Detector Loop Quadrapole		

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BDE/SCD 1 of 2

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
(Sheet 8 of 9)

STANDARD 000001-08

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TERRA ENGINEERING LTD.

USER NAME = XianL	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 2 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	56
		CONTRACT NO.		
	ILLINOIS FED. AID PROJECT			

TRAFFIC SIGNAL ITEMS (contd.)

	EX	PR
Detector Raceway		
Aluminum Mast Arm		
Steel Mast Arm		
Veh. Detector Magnetic		
Conduit Splice		
Controller		
Gulfbox Junction		
Wood Pole		
Temp. Signal Head		
Handhole		
Double Handhole		
Heavy Duty Handhole		
Junction Box		
Ped. Pushbutton Detector		
Ped. Signal Head		
Power Pole Service		
Priority Veh. Detector		
Signal Head		
Signal Head w/Backplate		
Signal Post		
Closed Circuit TV		
Video Detector System		

UNDERGROUND UTILITY ITEMS

	EX	PR	ABANDONED
Cable TV	CTV	CTV	CTV
Electric Cable	E	E	E
Fiber Optic	FO	FO	FO
Gas Pipe	G	G	G
Oil Pipe	O	O	O
Sanitary Sewer	S	S	S
Telephone Cable	T	T	T
Water Pipe	W	W	W

UTILITIES ITEMS

	EX	PR
Controller		
Double Handhole		
Fire Hydrant		
GuyWire or Deadman Anchor		
Handhole		
Heavy Duty Handhole		
Junction Box		
Light Pole		
Manhole		
Monitoring Well (Gasoline)		
Pipeline Warning Sign		
Power Pole		
Power Pole with Light		
Sanitary Sewer Cleanout		
Splice Box Above Ground		
Telephone Splice Box Above Ground		
Telephone Pole		

UTILITY ITEMS (contd.)

	EX	PR
Traffic Signal		
Traffic Signal Control Box		
Water Meter		
Water Meter Valve Box		
Profile Line		
Aerial Power Line		

VEGETATION ITEMS

	EX	PR
Deciduous Tree		
Bush or Shrub		
Evergreen Tree		
Stump		
Orchard/Nursery Line		
Vegetation Line		
Woods & Bush Line		

WATER FEATURE ITEMS

	EX	PR
Stream or Drainage Ditch		
Waters Edge		
Water Surface Indicator		
Water Point		
Disappearing Ditch		
Marsh		
Marsh/Swamp Boundary		

Illinois Department of Transportation

APPROVED January 1, 2021
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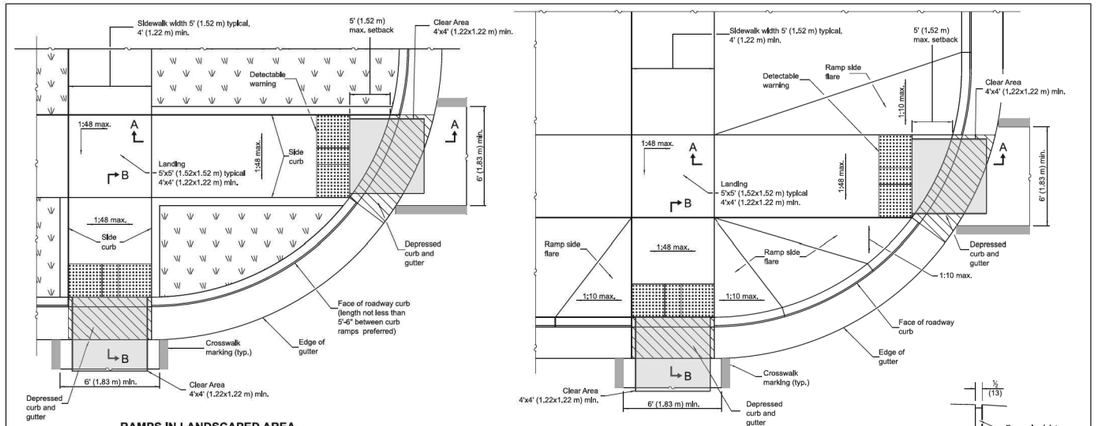
APPROVED January 1, 2021
ENGINEER OF DESIGN AND ENVIRONMENT

BDE/1 1/2021

STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS

(Sheet 9 of 9)

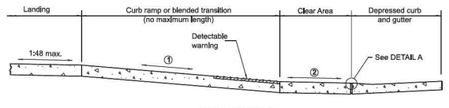
STANDARD 000001-08



RAMPS IN LANDSCAPED AREA SETBACK ≤ 5'

RAMPS IN PAVED AREA SETBACK ≤ 5'

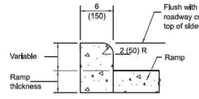
DETAIL A



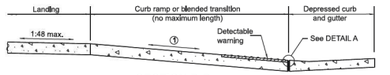
SECTION A-A

① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

② Clear Area shall be located outside the travel lane inclusive of any bicycle lanes. The running slope shall be 1:20 max and the cross slope shall be:
- Signalized/Uncontrolled Intersection - 1:20
- Yield/Stop Controlled Intersection - 1:48
- Midblock - grade of the road



SIDE CURB DETAIL



SECTION B-B

① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

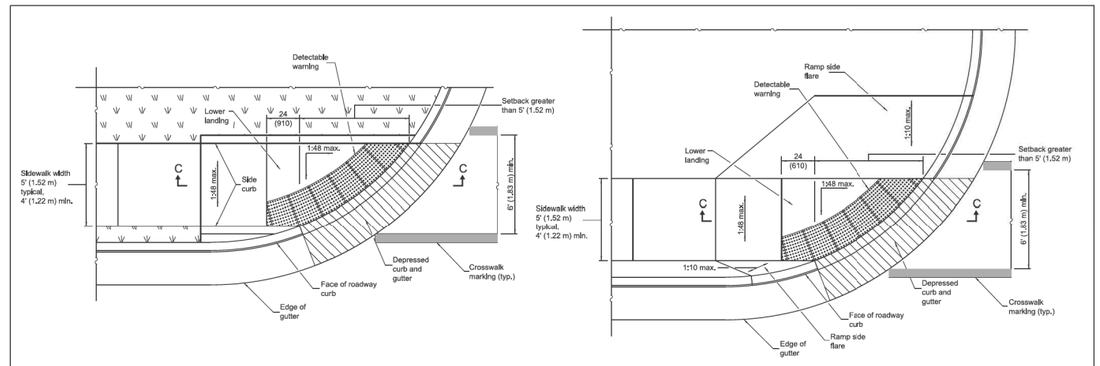
See Sheet 2 for GENERAL NOTES.

DATE	REVISIONS
1-1-25	Indicated "Clear Area" location and updated cross-slopes.
1-1-19	Removed "15-foot rule", added "Blended transitions" and placement tolerances for detectable warnings.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

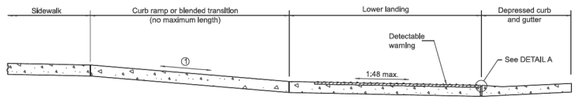
(Sheet 1 of 2)

STANDARD 424001-12



RAMP IN LANDSCAPED AREA SETBACK > 5'

RAMP IN PAVED AREA SETBACK > 5'



SECTION C-C

① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:48 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 In. (50 mm) In width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 In. (150 mm) behind the curb is allowed.

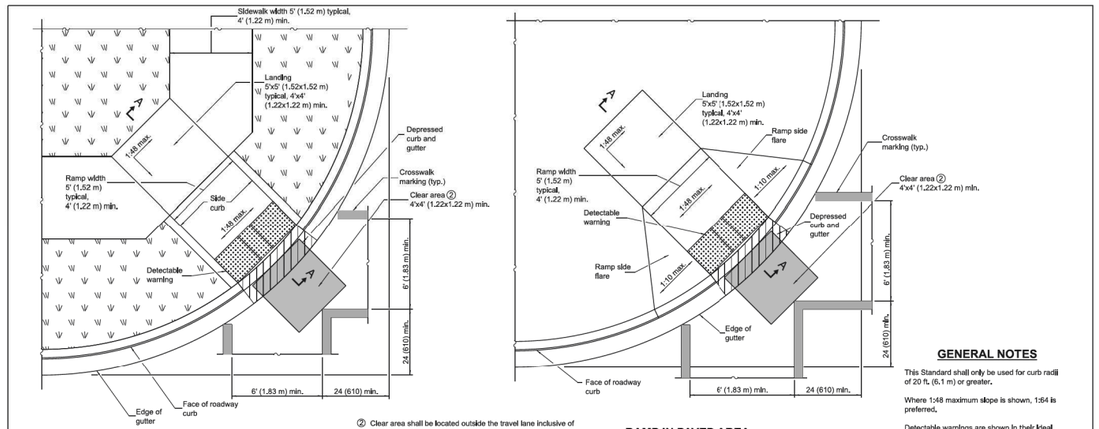
See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

PERPENDICULAR CURB RAMPS FOR SIDEWALKS

(Sheet 2 of 2)

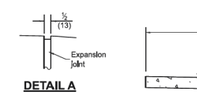
STANDARD 424001-12



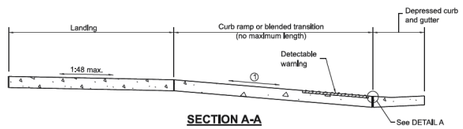
RAMP IN LANDSCAPED AREA

RAMP IN PAVED AREA

② Clear area shall be located outside the travel lane inclusive of any bicycle lanes. The running slope shall be 1:20 max and the cross slope shall be:
- Signalized/Uncontrolled Intersection - 1:20
- Yield/Stop Controlled Intersection - 1:48
- Midblock - grade of the road

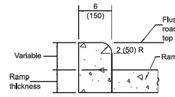


DETAIL A



SECTION A-A

① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.



SIDE CURB DETAIL

GENERAL NOTES

This Standard shall only be used for curb radii of 20 ft. (6.1 m) or greater.

Where 1:48 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Side Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each side up to 2 In. (50 mm) In width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 In. (150 mm) behind the curb is allowed.

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

See Standard 606001 for details of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

DATE	REVISIONS
1-1-25	Indicated "Clear Area" location and updated cross-slopes.
1-1-21	Clarified minimum crosswalk width and locations.

DIAGONAL CURB RAMPS FOR SIDEWALKS

STANDARD 424006-06

MODEL: IDOT Hwy Stds-2 [Sheet]
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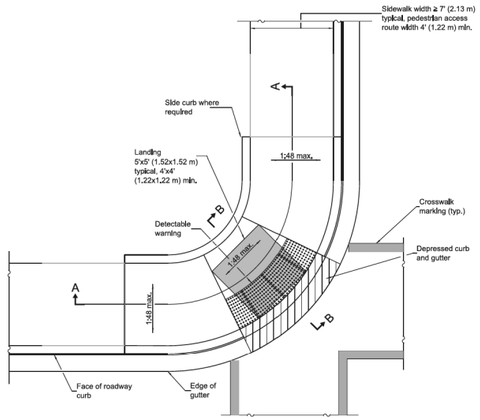
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	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

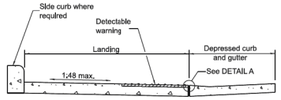
IDOT HIGHWAY STANDARDS

SCALE: | SHEET 3 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	57
		CONTRACT NO.		
	ILLINOIS	FED. AID PROJECT		



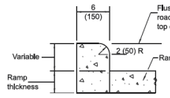
CORNER PARALLEL CURB RAMP



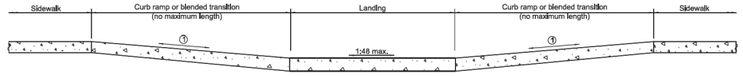
SECTION B-B



DETAIL A



SIDE CURB DETAIL



SECTION A-A

① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.

GENERAL NOTES

All slope ratios are expressed as units of vertical displacement to units of horizontal displacement (V:H).

Where 1:48 maximum slope is shown, 1:64 is preferred.

Detectable warnings are shown in their ideal locations but the following placement tolerances are allowed.

Slde Border - Detectable warnings should extend the full width of the walking surface (excluding flared sides) but a border along each slde up to 2 ln. (50 mm) ln width is allowed.

Curb Set-Back - Detectable warnings located at the back of curb should closely align with the curb but a gap up to 6 ln. (150 mm) behlnd the curb is allowed.

See Standard 606001 for detalls of depressed curb adjacent to curb ramp.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

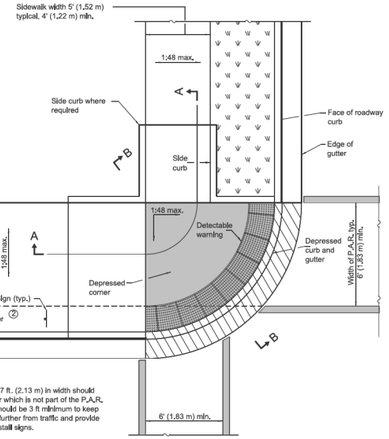
APPROVED January 1, 2025
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2025
ENGINEER OF DESIGN AND ENVIRONMENT

BDE/ISTS 424011-05

DATE	REVISIONS
1-1-25	Revised turning space with landing and updated cross-slope.
1-1-19	Removed upper landing, added blended transition and detectable warning tolerances.

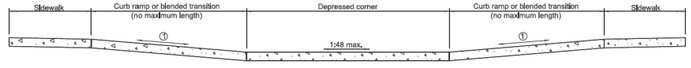
CORNER PARALLEL CURB RAMPS FOR SIDEWALKS

STANDARD 424011-05



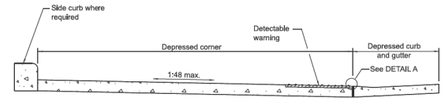
DEPRESSED CORNER

② Sidewalks ≥ 7 ft. (2.13 m) in width should have a buffer which is not part of the P.A.R. The buffer should be 3 ft mlnlmum to keep pedestrlans further from traffic and provide a place to lnstall slgns.

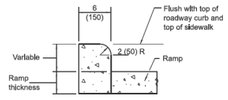


SECTION A-A

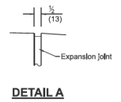
① The running slope of a curb ramp shall be 1:12 max. The running slope of a blended transition shall be 1:20 max.



SECTION B-B



SIDE CURB DETAIL



DETAIL A

GENERAL NOTES

This standard shall only be used for curb radll of 6 ft. (1.83 m) or greater.

All slope ratlos are expressed as unlts of vertical displacement to unlts of horlzontal displacement (V:H).

Where 1:48 maxlmum slope ls shown, 1:64 ls preferred.

Detectable warnings are shown in their ideal tolerances but the following placement tolerances are allowed.

Slde Border - Detectable warnlngs should extend the full wldth of the walklng surface (excludlng flared sldes) but a border along each slde up to 2 ln. (50 mm) ln. wldth ls allowed.

Curb Set-Back - Detectable warnlngs located at the back of curb should closely allgn with the curb but a gap up to 6 ln. (150 mm) behlnd the curb ls allowed.

See Standard 606001 for detalls of depressed curb adjacent to curb ramp.

All dimensions are in lnches (mllllmeters) unless otherwlse shown.

Illinois Department of Transportation

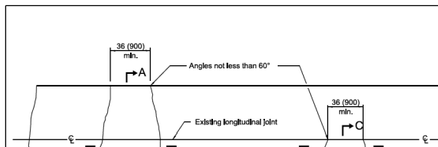
APPROVED January 1, 2025
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2025
ENGINEER OF DESIGN AND ENVIRONMENT

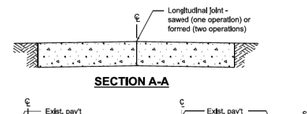
BDE/ISTS 424021-07

DATE	REVISIONS
1-1-25	Remove min running slope from note 1 and updated cross-slope.
1-1-21	Added crosswalk striping and a "buffer" for wide sidewalks.

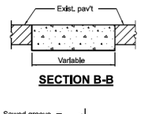
DEPRESSED CORNER FOR SIDEWALKS

STANDARD 424021-07

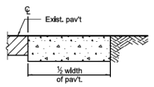




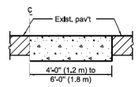
SECTION A-A



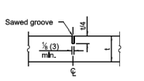
SECTION B-B



SECTION C-C

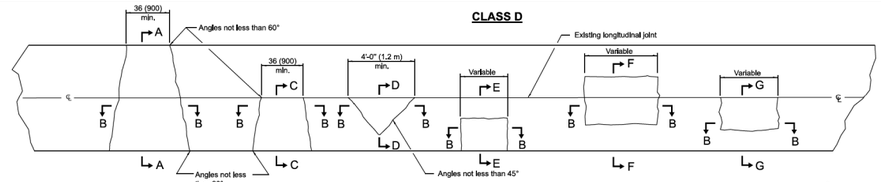


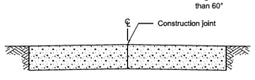
SECTION D-D



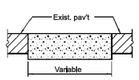
DETAIL OF SAWED CONTRACTION JOINT

Note:
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.

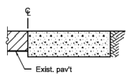




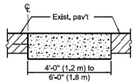
SECTION A-A
(Built in two operations)



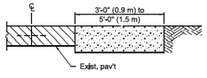
SECTION B-B



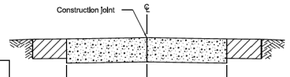
SECTION C-C



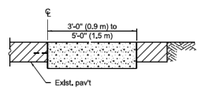
SECTION D-D



SECTION E-E



SECTION F-F
(Built in two operations)



SECTION G-G

GENERAL NOTES

Existing tie bars shall be either cut or removed. Marginal bars shall be cut.

All dimensions are in lnches (mllllmeters) unless otherwise shown.

Illinois Department of Transportation

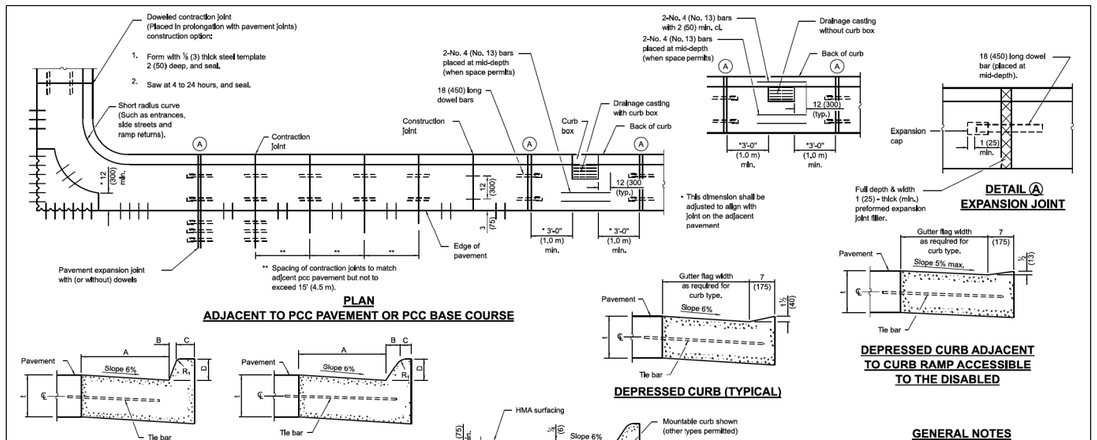
APPROVED January 1, 2008
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2008
ENGINEER OF DESIGN AND ENVIRONMENT

BDE/ISTS 442201-03

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



PLAN
ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

BARRIER CURB

MOUNTABLE CURB

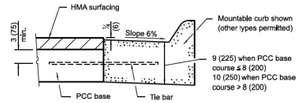
TABLE OF DIMENSIONS BARRIER CURB

TYPE	A	B	C	D	R_1
B-6,06 * (B-15,15)	6 (150)	1 (25)	6 (150)	6 (150)	1 (25)
B-6,12 (B-15,3)	12 (300)	1 (25)	6 (150)	6 (150)	1 (25)
B-6,18 (B-15,45)	18 (450)	1 (25)	6 (150)	6 (150)	1 (25)
B-6,24 (B-15,60)	24 (600)	1 (25)	6 (150)	6 (150)	1 (25)
B-9,12 (B-22,30)	12 (300)	2 (50)	9 (125)	9 (225)	1 (25)
B-9,18 (B-22,45)	18 (450)	2 (50)	9 (125)	9 (225)	1 (25)
B-9,24 (B-22,60)	24 (600)	2 (50)	9 (125)	9 (225)	1 (25)

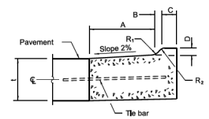
* For corner lslands only.

TABLE OF DIMENSIONS MOUNTABLE CURB

TYPE	A	B	C	D	R_1	R_2	
M-2,06 (M-5,15)	6 (150)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)	
M-2,12 (M-5,30)	12 (300)	2 (50)	4 (100)	2 (50)	3 (75)	2 (50)	
M-4,06 (M-10,15)	6 (150)	4 (100)	3 (75)	4 (100)	3 (75)	NA	
M-4,12 (M-10,30)	12 (300)	4 (100)	3 (75)	4 (100)	3 (75)	NA	
M-4,18 (M-10,45)	18 (450)	4 (100)	3 (75)	4 (100)	3 (75)	NA	
M-4,24 (M-10,60)	24 (600)	4 (100)	3 (75)	4 (100)	3 (75)	NA	
M-6,06 (M-15,15)	6 (150)	6 (150)	2 (50)	6 (150)	2 (50)	NA	
M-6,12 (M-15,30)	12 (300)	6 (150)	2 (50)	6 (150)	2 (50)	NA	
M-6,18 (M-15,45)	18 (450)	6 (150)	2 (50)	6 (150)	2 (50)	NA	
M-6,24 (M-15,60)	24 (600)	6 (150)	2 (50)	6 (150)	2 (50)	NA	



ADJACENT TO PCC BASE COURSE WITH HMA SURFACING



M-2.06 (M-5.15) and M-2.12 (M-5.30)

DETAIL Ⓐ EXPANSION JOINT

DEPRESSED CURB ADJACENT TO CURB RAMP ACCESSIBLE TO THE DISABLED

DEPRESSED CURB (TYPICAL)

GENERAL NOTES

The bottom slope of combination curb and gutter constructed adjacent to pcc pavement shall be the same slope as the subbase or 6% when subbase is omitted.

t = Thickness of pavement.

Longitudinal joint tie bars shall be No. 6 (No. 19) at 36 (900) centers ln accordance with details for longitudinal construction joint shown on Standard 420001.

A mlnlmum clearance of 2 (50) between the end of the tie bar and the back of the curb shall be maintained.

The dowel bars shown ln contraction joints will only be required for monolithic construction.

See Standard 606301 for details of corner islands.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2022
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022
ENGINEER OF DESIGN AND ENVIRONMENT

BDE/ISTS 606001-08

DATE	REVISIONS
1-1-22	Revised contract joint spacing and adjacent to pcc pavement.
1-1-18	Revised General Note for tie bar spacing to 36 (900) cts.

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 1 of 2)

STANDARD 606001-08

MODEL: IDOT Hwy Stds-3 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-IDOT STANDARDS.dgn

TERRA ENGINEERING LTD.

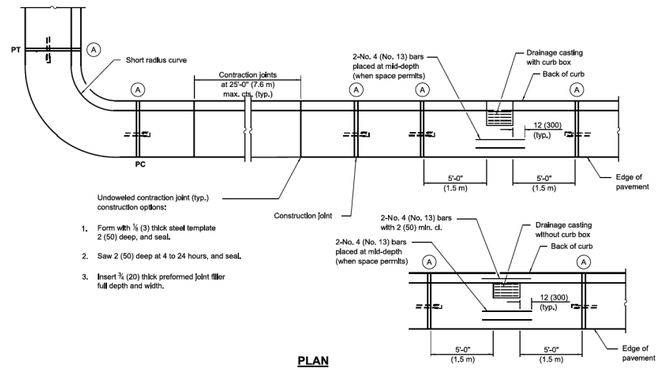
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	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

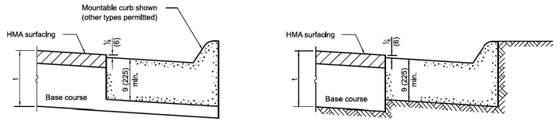
IDOT HIGHWAY STANDARDS

SCALE: | SHEET 4 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	58
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



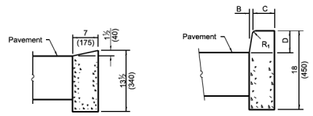
PLAN



ON DISTURBED SUBGRADE

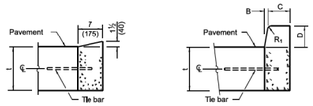
ON UNDISTURBED SUBGRADE

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB **BARRIER CURB**

ADJACENT TO FLEXIBLE PAVEMENT



DEPRESSED CURB **BARRIER CURB**

ADJACENT TO PCC PAVEMENT OR PCC BASE COURSE

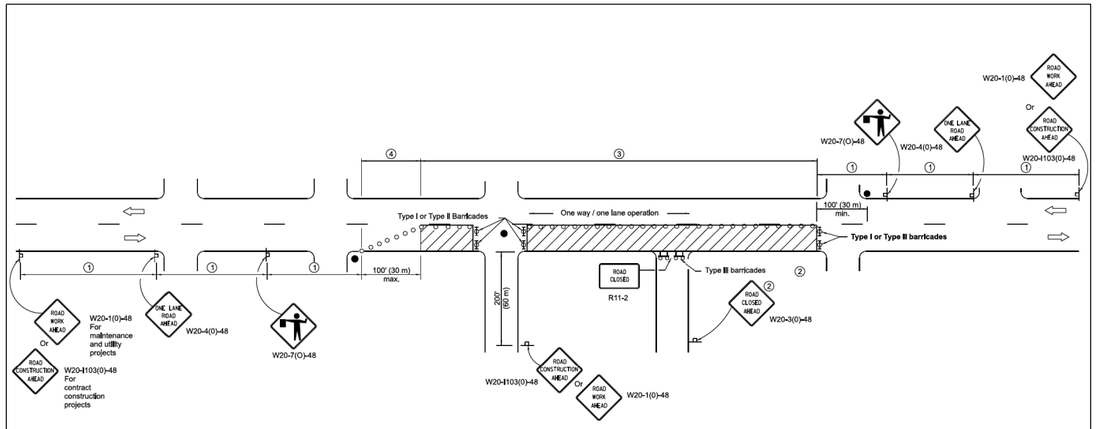
CONCRETE CURB TYPE B

Illinois Department of Transportation

APPROVED January 1, 2022
ENGINEER OF POLICY AND PROCEDURES
APPROVED January 1, 2022
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-07

CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
(Sheet 2 of 2)

STANDARD 606001-08



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

SYMBOLS

- Work area
- Cone, drum or barricade (not required for moving operations)
- Sign on portable or permanent support
- Flagger with traffic control sign
- Barricade or drum with flashing light
- Type III barricade with flashing lights

1. Refer to SIGN SPACING TABLE for distances.
2. For approved sideroad closures.
3. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
4. Cones, drums or barricades at 20' (6 m) centers.

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.

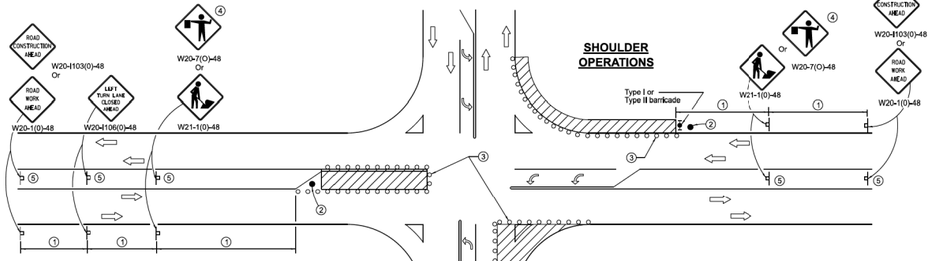
Illinois Department of Transportation

APPROVED January 1, 2011
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2011
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-07

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



SIGN SPACING	
Posted Speed	Sign Spacing
55	500' (150 m)
50-45	350' (100 m)
<45	200' (60 m)

1. Refer to SIGN SPACING TABLE for distance.
2. Required for speed > 40 mph.
3. Cones at 25' (8 m) centers for 250' (75 m). Additional cones may be placed at 50' (15 m) centers. When drums or Type I or Type II barricades are used, the interval between devices may be doubled.
4. Use flagger sign only when flagger is present.
5. Omit this sign when median is less than 10' (3 m) or for bi-directional turn lanes.
6. Cones, drums or barricades at 20' (6 m) centers in taper.
7. Advanced arrow board required for speeds > 45 mph.
8. Three Type II barricades, drums or vertical barricades at 50' (15 m) centers.

SYMBOLS

- Work area
- Cone, drum or barricade
- Sign on portable or permanent support
- Arrow board
- Barricade or drum with flashing light
- Flagger with traffic control sign

GENERAL NOTES

This Standard is used where at any time, day or night, any vehicle, equipment, workers or their activities encroach on the pavement during shoulder operations or where construction requires lane closures in an urban area.

Calculate L as follows:

SPEED LIMIT	FORMULAS English	(Metric)
40 mph (70 km/h) or less;	$L = \frac{WS^2}{60}$	$L = \frac{WS^2}{150}$
45 mph (80 km/h) or greater:	L=(W)(S)	L=0.65(W)(S)

W = Width of offset in feet (meters).

S = Normal posted speed mph (km/h).

All dimensions are in inches (millimeters) unless otherwise shown.

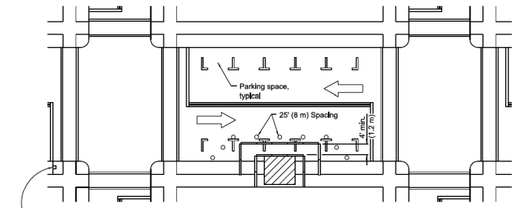
Illinois Department of Transportation

APPROVED January 1, 2016
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-07

DATE	REVISIONS
4-1-16	Corrected sign number for LEFT
	TURN LANE CLOSED AHEAD.
1-1-14	Added devices at arrow board
	upstream from taper. Revised
	workers sign number.

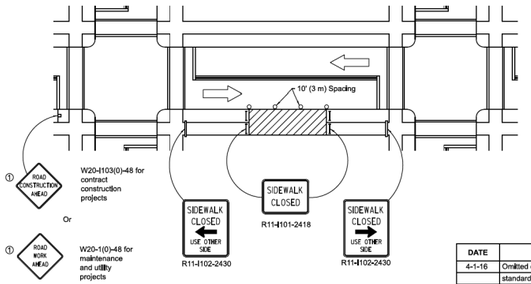
URBAN LANE CLOSURE, MULTILANE INTERSECTION

STANDARD 701701-10



① Omit whenever duplicated by road work traffic control.

SIDEWALK DIVERSION



SIDEWALK CLOSURE

SYMBOLS

- Work area
- Sign on portable or permanent support
- Barricade or drum
- Cone, drum or barricade
- Type III barricade
- Detectable pedestrian channelizing barricade

GENERAL NOTES

This Standard is used where, at any time, pedestrian traffic must be rerouted due to work being performed.

This Standard must be used in conjunction with other Traffic Control & Protection Standards when roadway traffic is affected.

Temporary facilities shall be detectable and accessible.

The temporary pedestrian facilities shall be provided on the same side of the closed facilities whenever possible.

The SIDEWALK CLOSED / USE OTHER SIDE sign shall be placed at the nearest crosswalk or intersection to each end of the closure. Where the closure occurs at a corner, the signs shall be erected on the corners across the street from the closure. The SIDEWALK CLOSED signs shall be used at the ends of the actual closures.

Type III barricades and R11-2-4830 signs shall be positioned as shown in "ROAD CLOSED TO ALL TRAFFIC" detail on Standard 701901.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2016
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-07

DATE	REVISIONS
4-1-16	Omitted orange safety fence from
	standard as this is covered in
	the standard spec.
1-1-12	Added SIDEWALK DIVERSION.
	Modified appearance of plan views.
	Renamed Standard.

SIDEWALK, CORNER OR CROSSWALK CLOSURE
(Sheet 1 of 2)

STANDARD 701801-06

MODEL: IDOT Hwy Stds-4 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5384\0026-237-SHT-IDOT STANDARDS.dgn

TERRA ENGINEERING LTD.

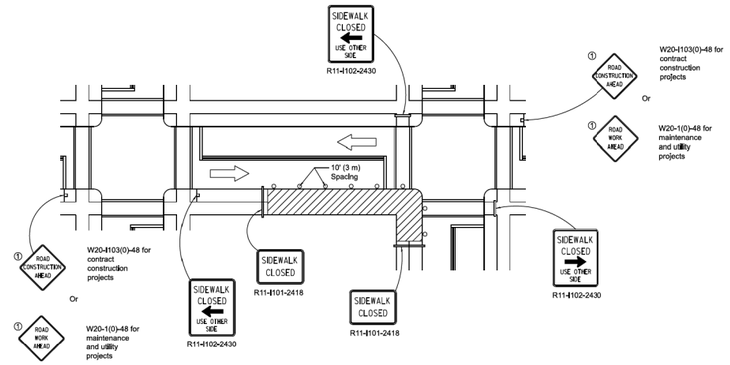
USER NAME = XianL	DESIGNED -	REVISED -
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	CHECKED -	REVISED -
PLOT DATE = 12/19/2025	DATE -	REVISED -

City of Evanston

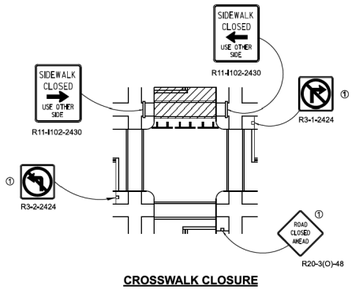
IDOT HIGHWAY STANDARDS

SCALE: | SHEET 5 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	59
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	



CORNER CLOSURE



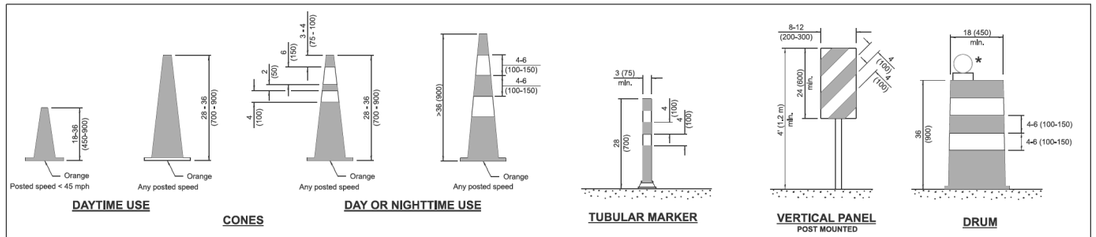
CROSSWALK CLOSURE

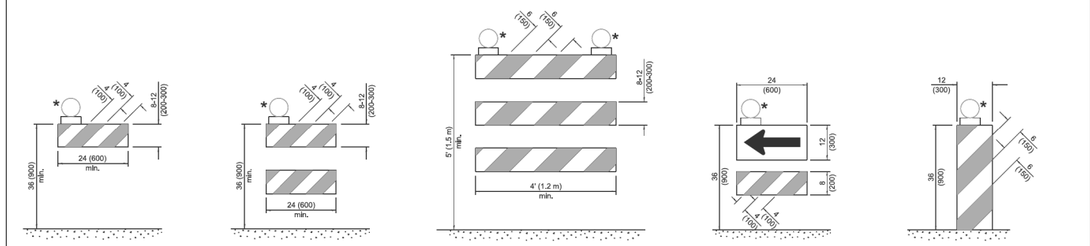
Illinois Department of Transportation
APPROVED January 1, 2016
ENGINEER OF SAFETY ENGINEERING
APPROVED January 1, 2016
ENGINEER OF DESIGN AND ENVIRONMENT
BD402 1-1-07

SIDEWALK, CORNER OR CROSSWALK CLOSURE

(Sheet 2 of 2)

STANDARD 701801-06





GENERAL NOTES

All heights shown shall be measured above the pavement surface.

All dimensions are in inches (millimeters) unless otherwise shown.

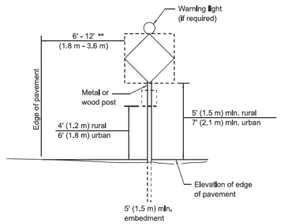
DATE	REVISIONS
1-1-25	Updated Temporary Rumble Strip Detail (sht. 3).
1-1-24	Revised Type III Barricade notes (sht. 3) & moved warning light on post mounted signs to top center.

TRAFFIC CONTROL DEVICES

(Sheet 1 of 3)

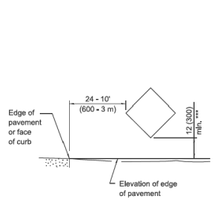
STANDARD 701901-10

Illinois Department of Transportation
APPROVED January 1, 2025
ENGINEER OF SAFETY, PROG. AND ENGINEERING
APPROVED January 1, 2025
ENGINEER OF DESIGN AND ENVIRONMENT
BD402 1-1-25



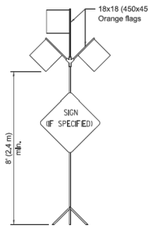
POST MOUNTED SIGNS

** When curb or paved shoulder are present this dimension shall be 24 (600) to the face of curb or 6' (1,8 m) to the outside edge of the paved shoulder.

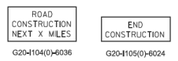


SIGNS ON TEMPORARY SUPPORTS

*** When work operations exceed four days, this dimension shall be 5' (1,5 m) min. If located behind other devices, the height shall be sufficient to be seen completely above the devices.



HIGH LEVEL WARNING DEVICE



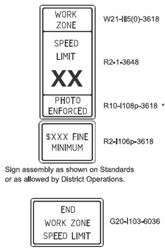
This signing is required for all projects 2 miles (3200 m) or more in length.

ROAD CONSTRUCTION NEXT X MILES sign shall be placed 500' (150 m) in advance of project limits.

END CONSTRUCTION sign shall be erected at the end of the job unless another job is within 2 miles (3200 m).

Dual sign displays shall be utilized on multi-lane highways.

WORK LIMIT SIGNING



Sign assembly as shown on Standards or as allowed by District Operations.

This sign shall be used when the above sign assembly is used.

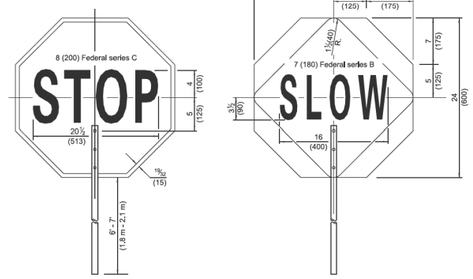
HIGHWAY CONSTRUCTION SPEED ZONE SIGNS

**** R10-108p shall only be used along roadways under the jurisdiction of the State.



WIDTH RESTRICTION SIGN

XX'-XX' width and X miles are variable.



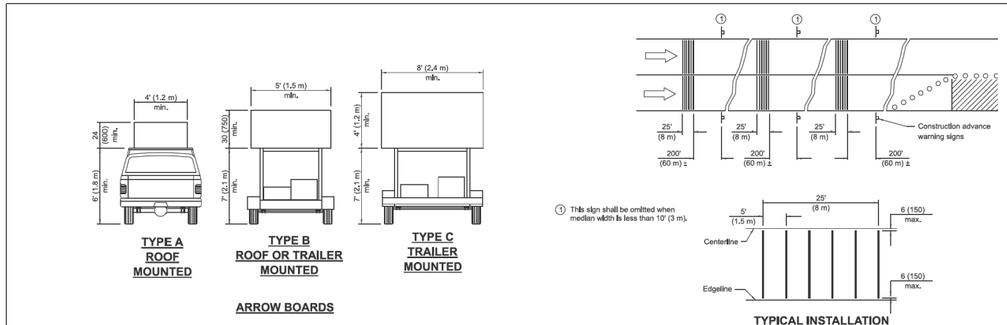
FLAGGER TRAFFIC CONTROL SIGN

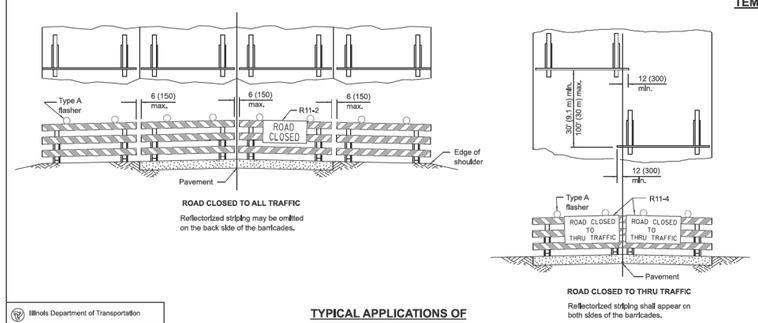
Illinois Department of Transportation
APPROVED January 1, 2025
ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 1, 2025
ENGINEER OF DESIGN AND ENVIRONMENT
BD402 1-1-25

TRAFFIC CONTROL DEVICES

(Sheet 2 of 3)

STANDARD 701901-10





TYPICAL APPLICATIONS OF TYPE III BARRICADES CLOSING A ROAD

If a Type III barricade with an attached sign panel which meets NCHRP 350 or MASH is not available, the sign may be mounted on an NCHRP 350 or MASH temporary sign support directly in front of the barricade.

Illinois Department of Transportation
APPROVED January 1, 2025
ENGINEER OF SAFETY PROG. AND ENGINEERING
APPROVED January 1, 2025
ENGINEER OF DESIGN AND ENVIRONMENT
BD402 1-1-25

TRAFFIC CONTROL DEVICES

(Sheet 3 of 3)

STANDARD 701901-10

MODEL: IDOT Hwy Stds-5 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5364025-237-SHT-IDOT STANDARDS.dgn

TERRA ENGINEERING LTD.

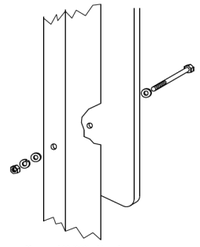
USER NAME = XianL	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

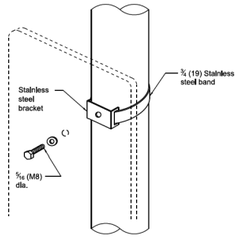
IDOT HIGHWAY STANDARDS

SCALE: | SHEET 6 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	60.
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

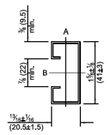


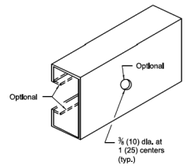
Sign panel 36 (900) wide or less



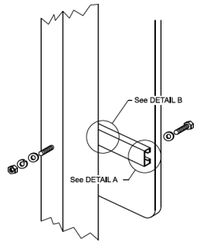
Sign panel 36 (900) wide or less

Section modulus (minimum)	Axis A	Axis B
Steel	0.050 in.³ (819 mm³)	0.105 in.³ (1720 mm³)
Aluminum	0.150 in.³ (2458 mm³)	0.315 in.³ (5162 mm³)



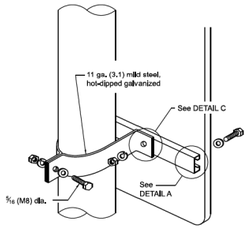


SUPPORTING CHANNEL DETAILS



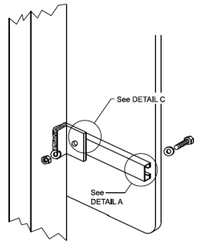
Sign panel over 36 (900) wide

WOOD OR TELESCOPING STEEL POSTS

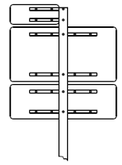


Sign panel over 36 (900) wide

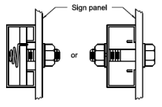
LIGHT OR SIGNAL STANDARDS



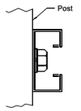
BREAKAWAY STEEL TUBING POSTS
(All sign panel sizes)



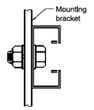
ROUTE MARKER ASSEMBLY



DETAIL A



DETAIL B



DETAIL C

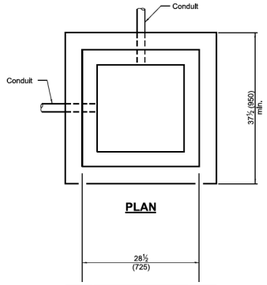
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2009 — ENGINEER OF OPERATIONS
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-07

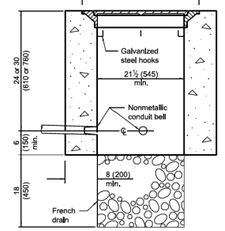
DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-97	Renum. Standard 2319-6.

SIGN PANEL MOUNTING DETAILS

STANDARD 720001-01

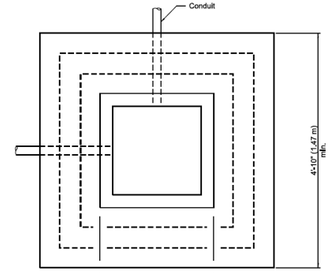


PLAN

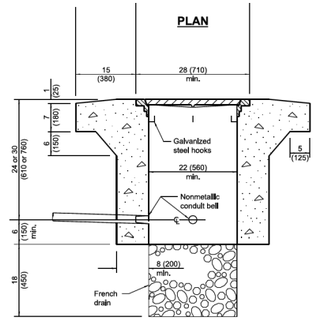


ELEVATION

PORTLAND CEMENT CONCRETE

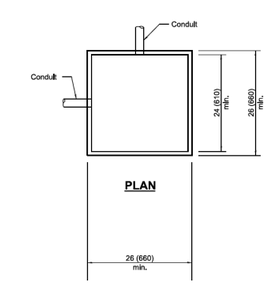


PLAN

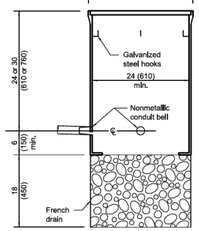


ELEVATION

PORTLAND CEMENT CONCRETE HEAVY DUTY



PLAN



ELEVATION

COMPOSITE CONCRETE

QUANTITIES

	Concrete yd³ (m³)	
Depth	Handhole	Heavy Duty Handhole
30 (762)	0,61 (0,47)	0,98 (0,75)
36 (914)	0,73 (0,56)	1,10 (0,84)

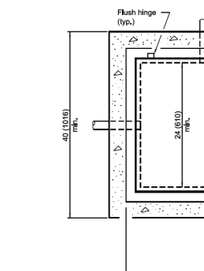
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2015 — ENGINEER OF OPERATIONS
APPROVED January 1, 2015 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-15

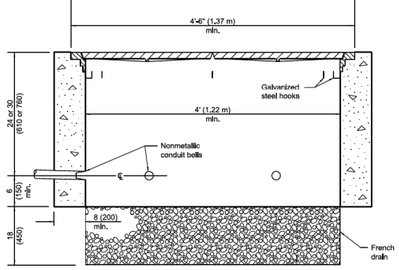
DATE	REVISIONS
1-1-15	Corrected dimension on heavy duty handhole. Added concrete quantities table.
1-1-09	Switched units to English (metric).

HANDHOLES

STANDARD 814001-03

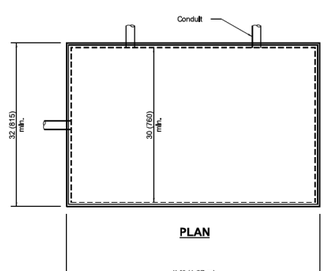


PLAN

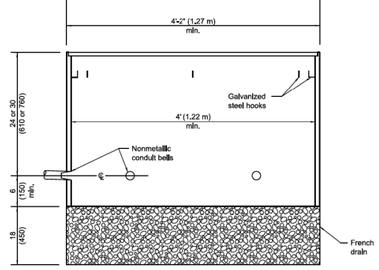


ELEVATION

PORTLAND CEMENT CONCRETE



PLAN



ELEVATION

COMPOSITE CONCRETE

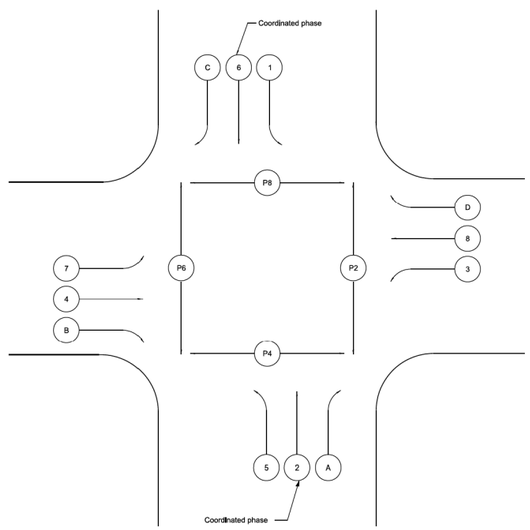
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1, 2021 — ENGINEER OF OPERATIONS
APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-21

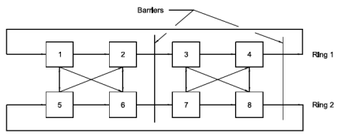
DATE	REVISIONS
1-1-21	Corrected dimension in Portland Cement Concrete plan view.
1-1-09	Switched units to English (metric).

DOUBLE HANDHOLES

STANDARD 814006-03



STANDARD PHASE DESIGNATION DIAGRAM (NEMA)



NEMA EIGHT PHASE DUAL RING ACTUATED CONFIGURATION

LEGEND

(X), [X]	Vehicular phase no. x
(PX)	Pedestrian phase no. x
(A), (B), (C), (D)	Right turn overlaps where:
(A) = (2) + (3)	
(B) = (4) + (5)	
(C) = (6) + (7)	
(D) = (8) + (1)	
NEMA	National Electrical Manufacturers Association

Illinois Department of Transportation
APPROVED January 1, 2009 — ENGINEER OF OPERATIONS
APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-09

DATE	REVISIONS
1-1-09	Omitted note regarding units of length.
1-1-97	Renum. Standard 2393-2.

STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
(Sheet 1 of 2)

STANDARD 857001-01

MODEL: IDOT Hwy Stds-6 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms53840025-237-SHT-IDOT STANDARDS.dgn

TERRA ENGINEERING LTD.

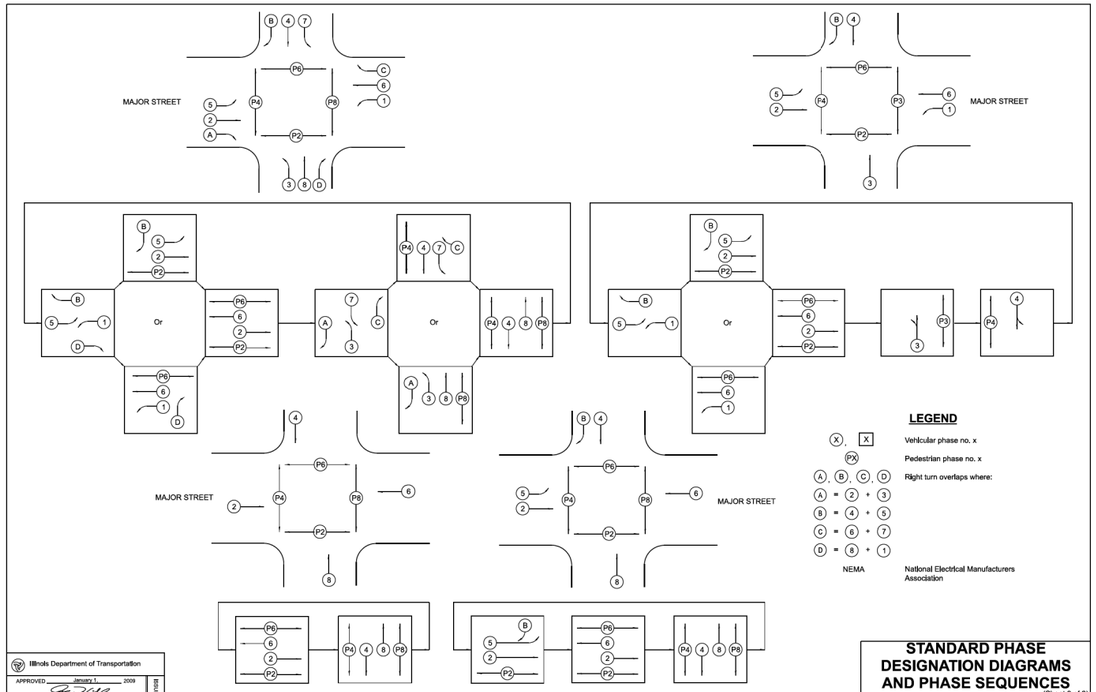
USER NAME = XianL	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 7 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	61
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	

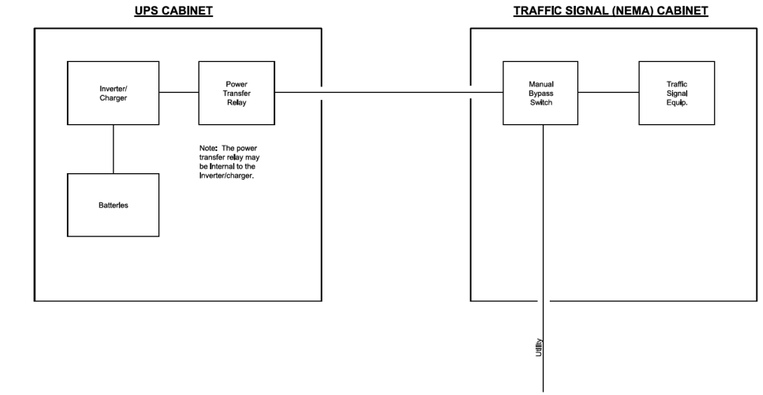


PHASE DESIGNATION DIAGRAMS AND CORRESPONDING PHASE SEQUENCES

Illinois Department of Transportation
APPROVED January 1 2009
ENGINEER OF OPERATIONS
APPROVED January 1 2009
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-07

STANDARD PHASE DESIGNATION DIAGRAMS AND PHASE SEQUENCES
(Sheet 2 of 2)

STANDARD 857001-01



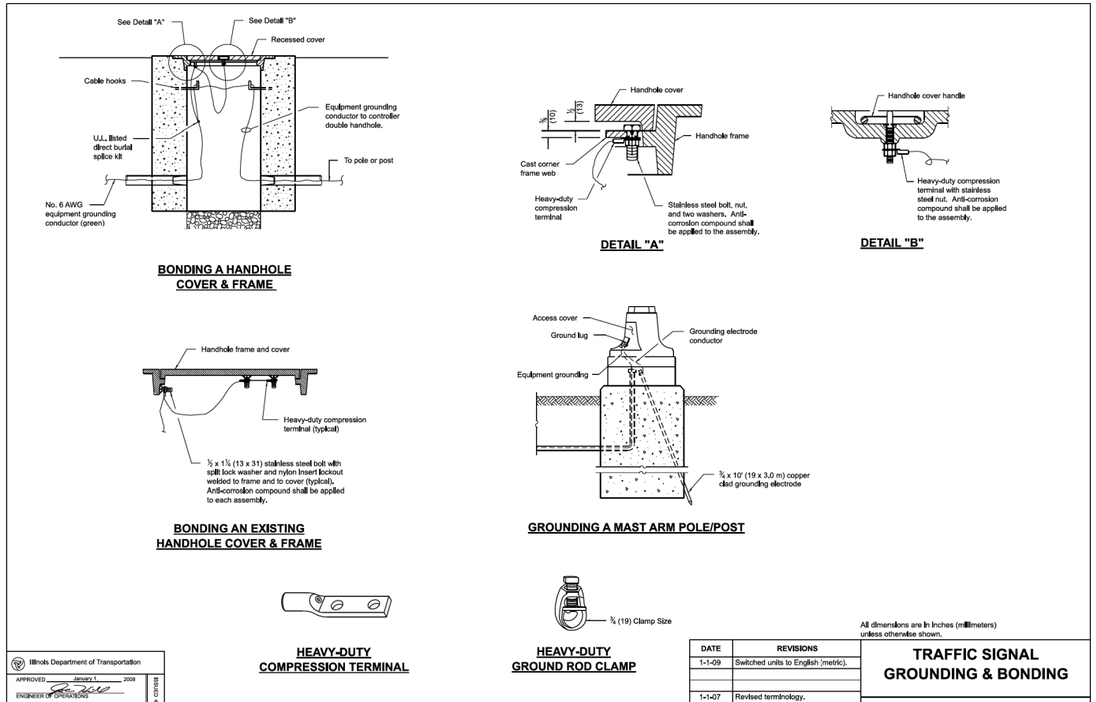
SINGLE LINE BLOCK DIAGRAM

Illinois Department of Transportation
APPROVED January 1 2009
ENGINEER OF OPERATIONS
APPROVED January 1 2009
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-09

DATE	REVISIONS
1-1-09	Omitted note regarding units of length
4-1-06	New Standard.

UNINTERRUPTABLE POWER SUPPLY (UPS)

STANDARD 862001-01



BONDING A HANDHOLE COVER & FRAME

DETAIL "A"

DETAIL "B"

BONDING AN EXISTING HANDHOLE COVER & FRAME

GROUNDING A MAST ARM POLE/POST

HEAVY-DUTY COMPRESSION TERMINAL

HEAVY-DUTY GROUND ROD CLAMP

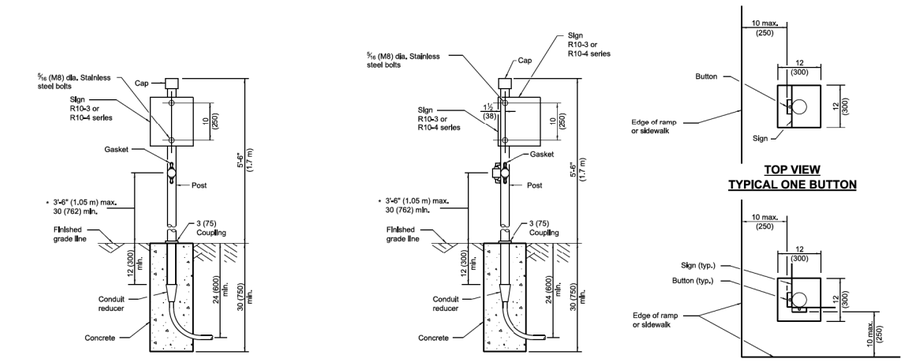
All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED January 1 2009
ENGINEER OF OPERATIONS
APPROVED January 1 2009
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-07

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-07	Revised terminology.

TRAFFIC SIGNAL GROUNDING & BONDING

STANDARD 873001-02



PEDESTRIAN ONE PUSH BUTTON POST

PEDESTRIAN TWO PUSH BUTTON POST

TOP VIEW TYPICAL ONE BUTTON

TOP VIEW TYPICAL TWO BUTTONS

• 36 (914) prefered

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation
APPROVED April 1 2016
ENGINEER OF OPERATIONS
APPROVED April 1 2016
ENGINEER OF DESIGN AND ENVIRONMENT
ISSUED 1-1-07

DATE	REVISIONS
4-1-16	Revised sign numbers for consitency with current MUTCD.
1-1-14	Revised and added dimensions for PROWAG reach range requirements.

PEDESTRIAN PUSH BUTTON POST

STANDARD 876001-04

MODEL: IDOT Hwy Stds 7 [Sheet]
FILE NAME: c:\pw_work\pw_main\dms5384025-237-SHT-IDOT STANDARDS.dgn

TERRA ENGINEERING LTD.

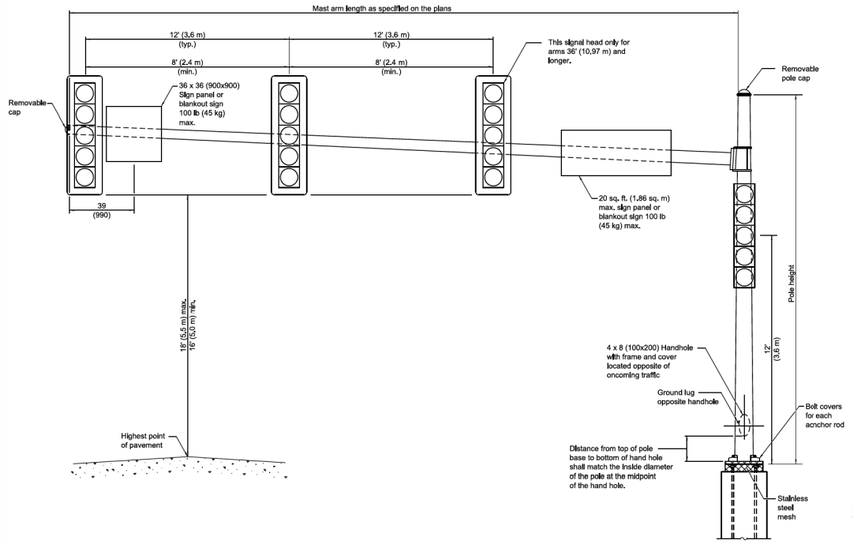
USER NAME = XianL	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

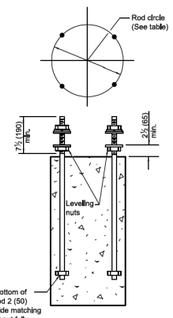
City of Evanston

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 8 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	62
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	





ANCHOR ROD DETAIL

MAST ARM LENGTH	ANCHOR ROD CIRCLE	ANCHOR ROD SIZE
16' thru 40' (4,87 m thru 12,20 m)	18 (450)	1⅞ x 7' (44 x 2,10 m)
42' thru 55' (12,80 m thru 16,80 m)	21 (535)	1⅞ x 7' (44 x 2,10 m)

GENERAL NOTES

Signal heads, sign panels, and other attachments are shown for minimum design loading purposes only. Each signal head shall weigh 80 lb (36 kg) and have a projected area of 14,7 sq. ft. (1,37 sq. m).

See Standard 720016 for location of sign panel or blankout sign closest to pole.

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2020 — ENGINEER OF OPERATIONS

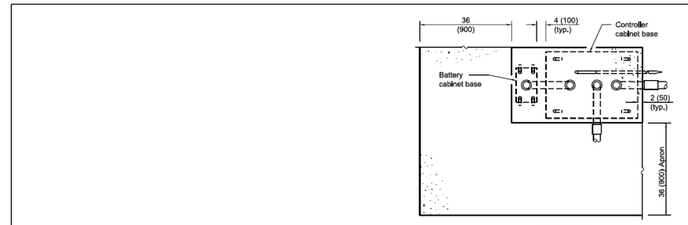
APPROVED January 1, 2020 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE/ISTS 1-1-20

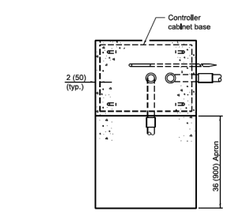
DATE	REVISIONS
1-1-20	Revised mast arm length.
1-1-18	Revised table for LRFD reqs. Revised GEN. NOTES for sign location.
	Replaced rod hooks with nuts.

STEEL MAST ARM ASSEMBLY AND POLE 16' THROUGH 55'

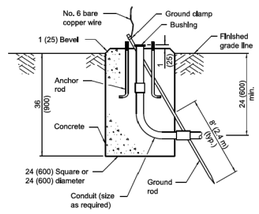
STANDARD 877001-08



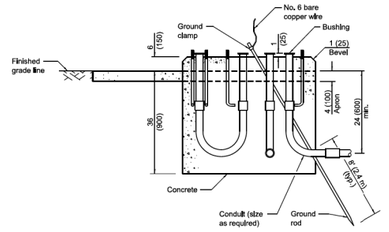
TOP VIEW



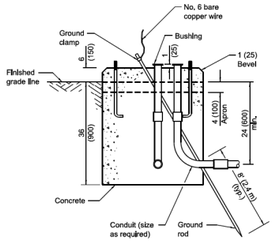
TOP VIEW



TYPE A



TYPE C
FOR GROUND MOUNTED CONTROLLER CABINET AND UPS BATTERY CABINET



TYPE D
FOR GROUND MOUNTED CONTROLLER CABINET

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2021 — ENGINEER OF OPERATIONS

APPROVED January 1, 2021 — ENGINEER OF DESIGN AND ENVIRONMENT

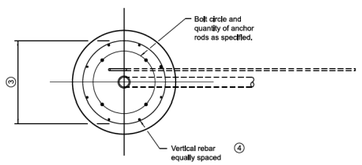
BDE/ISTS 1-1-21

DATE	REVISIONS
1-1-21	Revised anchor rod end in Type E detail.
1-1-15	Revised TYPE E detail.

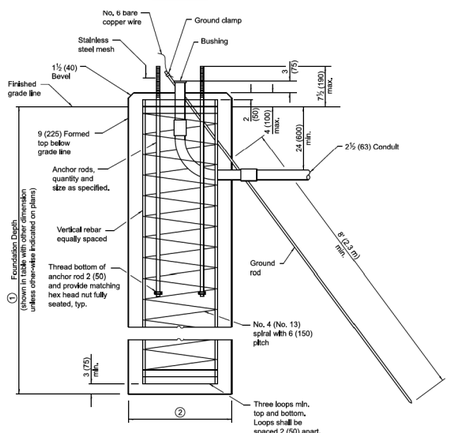
CONCRETE FOUNDATION DETAILS

(Sheet 1 of 2)

STANDARD 878001-11



TOP VIEW



TYPE E

Mast Arm Length	① Foundation Depth *	② Foundation Diameter	③ Spiral Diameter	④ Quantity of Rebars	Size of Rebars
Less than 30' (9,1 m)	10'-0" (3,0 m)	30 (750)	24 (600)	8	6 (19)
Greater than or equal to 30' (9,1 m) and less than 40' (12,2 m)	13'-6" (4,1 m)	30 (750)	24 (600)	8	6 (19)
Greater than or equal to 40' (12,2 m) and less than 50' (15,2 m)	11'-0" (3,4 m)	36 (900)	30 (750)	12	7 (22)
Greater than or equal to 50' (15,2 m) and up to 55' (16,8 m)	13'-0" (4,0 m)	36 (900)	30 (750)	12	7 (22)
Greater than or equal to 56' (16,8 m) and less than 65' (19,8 m)	15'-0" (4,6 m)	36 (900)	30 (750)	12	7 (22)
Greater than or equal to 65' (19,8 m) and up to 75' (22,9 m)	21'-0" (6,4 m)	42 (1060)	36 (900)	16	8 (25)
Greater than or equal to 65' (19,8 m) and up to 75' (22,9 m)	25'-0" (7,6 m)	42 (1060)	36 (900)	16	8 (25)

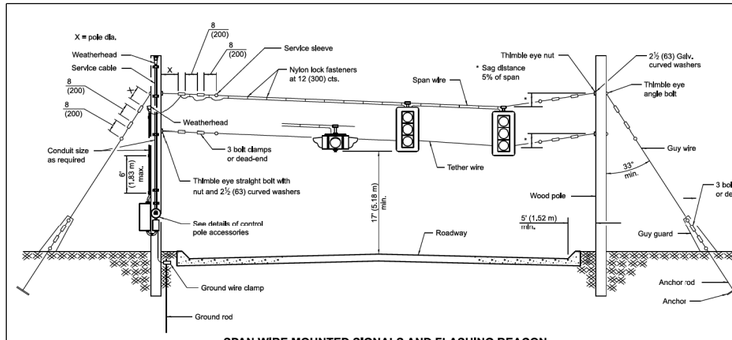
* For standard and combination mast arm assemblies, Foundation depths for standard dual mast arms with the longest arm length upto and incuding 55' (16,8 m) shall be increased by 1' (0,3 m) of that shown in the table, based on the longer of the two arms.

These foundation depths are for sites which have cohesive soils (dayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (Qu) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.

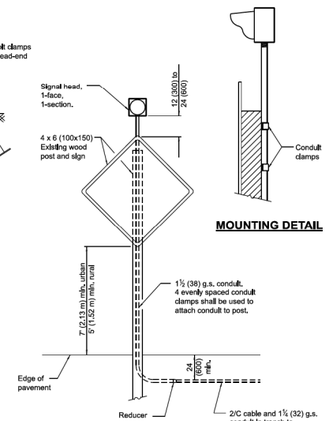
CONCRETE FOUNDATION DETAILS

(Sheet 2 of 2)

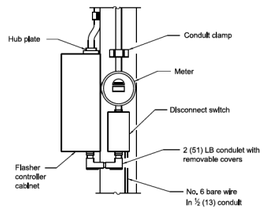
STANDARD 878001-11



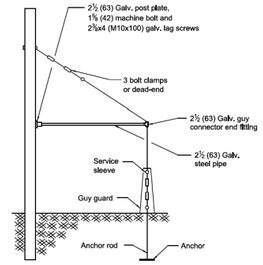
SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON



MOUNTING DETAIL



CONTROL POLE DETAIL



SIDEWALK GUY DETAIL

POST MOUNTED FLASHING BEACON

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1, 2009 — ENGINEER OF OPERATIONS

APPROVED January 1, 2009 — ENGINEER OF DESIGN AND ENVIRONMENT

BDE/ISTS 1-1-09

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-02	Renum. Standard 84001.

SPAN WIRE MOUNTED SIGNALS AND FLASHING BEACON INSTALLATION

STANDARD 880001-01

MODEL: IDOT Hwy Stds-8 [Sheet]
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TERRA ENGINEERING LTD.

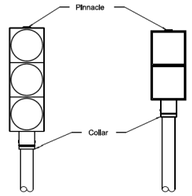
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	DRAWN -	REVISED -
	CHECKED -	REVISED -
PLOT DATE = 12/15/2025	DATE -	REVISED -

City of Evanston

IDOT HIGHWAY STANDARDS

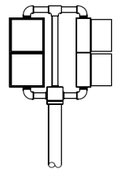
SCALE: — SHEET 9 OF 10 SHEETS — STA. — TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	63
CONTRACT NO.				
ILLINOIS	FED. AID PROJECT			



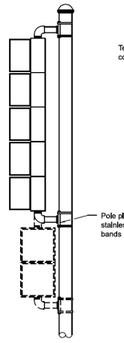
POST MOUNTED TRAFFIC SIGNAL HEAD

ONE WAY



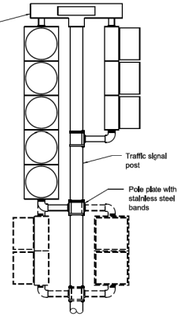
POST MOUNTED PEDESTRIAN SIGNAL HEAD

TWO WAY



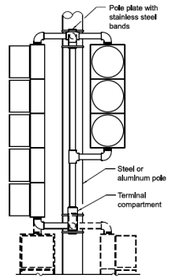
BRACKET MOUNTED TRAFFIC SIGNAL HEAD

ONE WAY

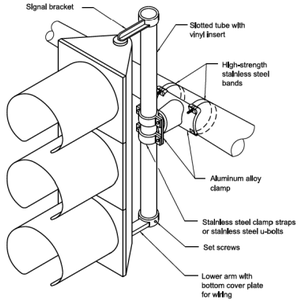


BRACKET MOUNTED TRAFFIC SIGNAL HEAD

TWO WAY



BRACKET MOUNTED TRAFFIC SIGNAL HEAD



STEEL MAST ARM MOUNTING

Illinois Department of Transportation

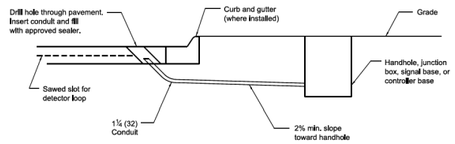
APPROVED January 1 2009
ENGINEER OF OPERATIONS
APPROVED January 1 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-09

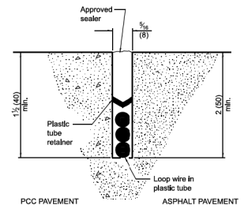
DATE	REVISIONS
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1-1-02	Renum. Standard 840006.

TRAFFIC SIGNAL MOUNTING DETAILS

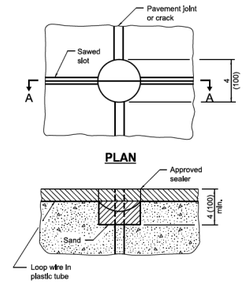
STANDARD 880006-01



DETECTOR LOOP LEAD-IN



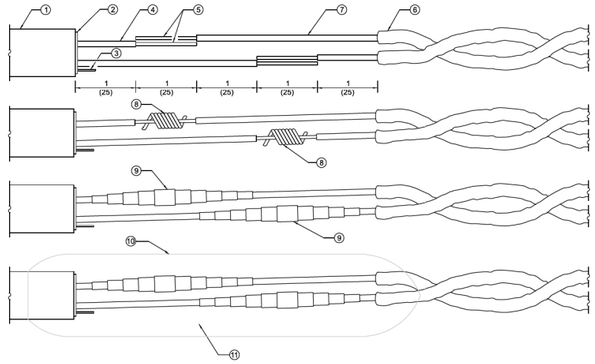
DETECTOR LOOP INSTALLATION



SECTION A-A

NOTE
Loop wire shall follow saw cut to bottom, forming slack section at joint.

DETECTOR LOOP AT PAVEMENT JOINT OR PAVEMENT CRACK



LOOP WIRE AND LEAD-IN CABLE SPLICE

① = Lead-in cable (single pair or multipair)
② = Lead-in cable shield
③ = Lead-in cable shield drain-wire
④ = Lead-in cable insulated conductor
⑤ = Bare conductor
⑥ = Loop wire in tube
⑦ = Loop wire insulated conductor
⑧ = Twisted and resin soldered conductor
⑨ = Electrical tape insulated splice
⑩ = Rigid mold
⑪ = Waterproof and dielectric resin

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

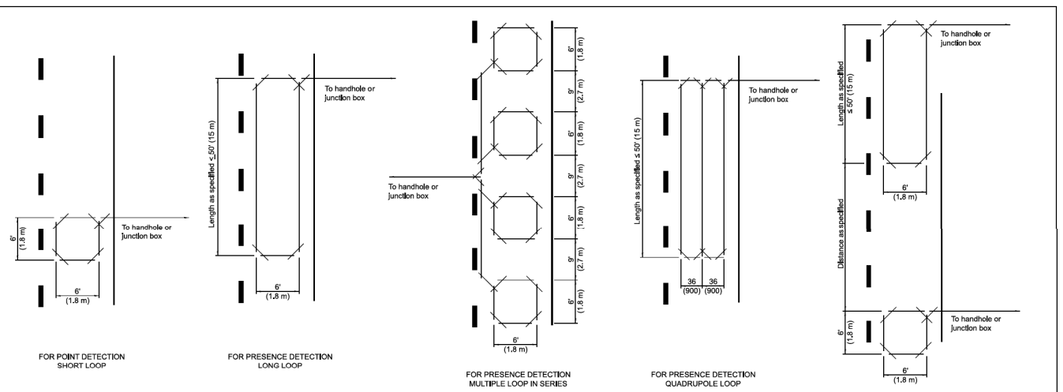
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APPROVED January 1 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-09

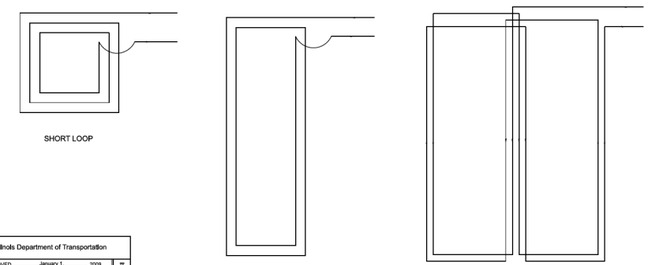
DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-02	Renum. Standard 846001.

DETECTOR LOOP INSTALLATIONS

STANDARD 886001-01



SLOT PLAN



WIRING DIAGRAM

All dimensions are in inches (millimeters) unless otherwise shown.

Illinois Department of Transportation

APPROVED January 1 2009
ENGINEER OF OPERATIONS
APPROVED January 1 2009
ENGINEER OF DESIGN AND ENVIRONMENT

ISSUED 1-1-09

DATE	REVISIONS
1-1-09	Switched units to English (metric).
1-1-02	Renum. Standard 886006.

TYPICAL LAYOUTS FOR DETECTION LOOPS

STANDARD 886006-01

MODEL: IDOT Hwy Stds-0 [Sheet]
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USER NAME = XianL	DESIGNED -	REVISED -	
	DRAWN -	REVISED -	
	CHECKED -	REVISED -	
PLOT DATE = 12/19/2025	DATE -	REVISED -	

City of Evanston

IDOT HIGHWAY STANDARDS

SCALE: | SHEET 10 OF 10 SHEETS | STA. | TO STA.

F.A.P RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
			64	64
		CONTRACT NO.		
		ILLINOIS	FED. AID PROJECT	