F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5784	19-00274-00-BT	ROCK ISLAND	70	1
		ILLINOIS	CONTRACT NO. 85763	

01-16-2026 LETTING ITEM 210

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FOR INDEX OF SHEETS, STANDARDS & GENERAL NOTES SEE SHEET NO. 2

PLANS FOR PROPOSED HIGHWAY PLANS

FAU 5784 36TH AVENUE
7TH STREET TO 13TH STREET
BIKE PATH IMPROVEMENTS
SECTION 19-00274-00-BT
PROJECT NO: LQ0P(831)
ROCK ISLAND COUNTY

C-92-019-20

LOCATION OF SECTION INDICATED THUS: -

UTILITIES

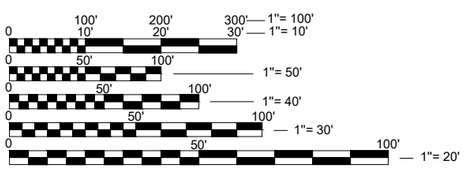
THE FOLLOWING UTILITY COMPANIES MAY HAVE FACILITIES LOCATED WITHIN THE PROJECT AREA:

CITY OF MOLINE PUBLIC UTILITIES:
- ELECTRICAL MAINTENANCE DEPARTMENT
- STORMWATER DEPARTMENT
- STREET DEPARTMENT
- WATER POLLUTION CONTROL DEPARTMENT
- WATER DEPARTMENT

PRIVATE GAS AND ELECTRIC:
- MIDAMERICAN ENERGY

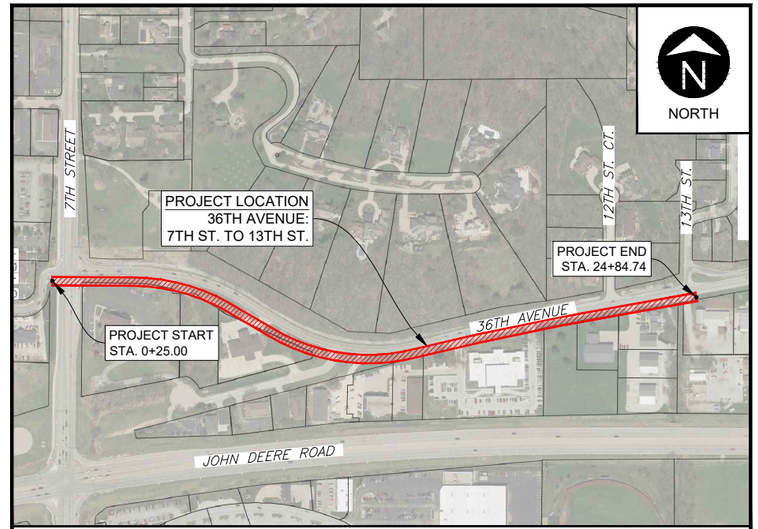
PRIVATE TELECOMMUNICATIONS:
- AT&T
- CENTURY LINK
- GENESEO COMMUNICATIONS
- MEDIACOM
- VERIZON
- WINDSTREAM
- OTHERS TO BE DETERMINED

THE CONTRACTOR SHALL CALL J.U.L.I.E. AT 1-800-892-0123 OR 811 TO CONTACT ALL UTILITY COMPANIES WHICH MAY HAVE FACILITIES WITHIN THE PROJECT AREA. PRIOR TO THE COMMENCEMENT OF CONSTRUCTION, ALL POINTS OF POSSIBLE CONFLICT SHALL BE EXCAVATED TO VERIFY EXACT LOCATIONS AND ELEVATIONS.



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 EXCAVATORS
1-800-892-0123
OR 811



PROJECT LIMITS
NOT TO SCALE

PLANS PREPARED BY:

VEENSTRA & KIMM INC.

1800 5TH AVENUE
ROCK ISLAND, IL 61201
309-786-7590
309-797-0996(FAX)
877-241-8010(WATS)

GROSS LENGTH = 2,500 FT. = 0.473 MILE
NET LENGTH = 2,347 FT. = 0.444 MILE

36TH AVENUE
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
EXISTING ADT: 6,700

LICENSED PROFESSIONAL ENGINEER
JASON L. MCKENZIE
062-058089
STATE OF ILLINOIS

JASON L. MCKENZIE
ILLINOIS P.E. 062-058089
DATE: 04/1/2025
EXPIRES: 11/30/2027
SHEETS: 1-51, 62-70

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

Approved 04-01-2025
Local Agency Official

Passed October 22, 2025
District 2 Engineer of Local Roads & Streets

Releasing for Bid Based on Limited Review 10/22/2025
Deputy Director of Highways, Region 2 Engineer

PRINTED BY THE AUTHORITY OF THE STATE OF ILLINOIS

CONTRACT NO. 85763

INDEX OF SHEETS

HIGHWAY STANDARDS

000001-09	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
515001-04	NAME PLATE FOR BRIDGES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION TYPICAL SECTIONS
602401-07	PRECAST MANHOLE, TYPE A, 4' (1.22 M) DIAMETER
604001-05	FRAME AND LIDS, TYPE 1
606001-09	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606301-04	PC CONCRETE ISLANDS AND MEDIANS
630001-13	STEEL PLATE BEAM GUARDRAIL
630301-09	SHOULDER WIDENING FOR TYPE 1 (SPECIAL) GUARDRAIL TERMINALS
631032-10	TRAFFIC BARRIER TERMINAL, TYPE 6A
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE 2L, 2W MOVING OPERATIONS-DAY ONLY
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
728001-01	TELESCOPING STEEL SIGN SUPPORT
729001-01	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS & MARKERS)
857001-01	STANDARD PHASE DESIGNATION DIAGRAM AND PHASE SEQUENCES
873001-02	TRAFFIC SIGNAL GROUNDING & BONDING
876001-04	PEDESTRIAN PUSH BUTTON POST
878001-11	CONCRETE FOUNDATION DETAILS
880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
(309) 524-2350
3635 4TH AVENUE, MOLINE, IL 61265

VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

INDEX OF SHEETS & STANDARDS

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

SCALE: --

Date 3-21-2025

Project #3205

Designer EWL

SHEET 2 OF 70

GENERAL NOTES

1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE FOLLOWING STANDARDS: THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION; THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS", LATEST EDITION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION; THE "2023 (OR LATEST) SUPPLEMENTAL SPECIFICATIONS" ADOPTED JANUARY 1, 2023 (OR LATEST) BY THE CITY OF MOLINE; AND THE SPECIAL PROVISIONS CONTAINED WITHIN THE BIDDING DOCUMENTS.
2. ALL POINTS OF POSSIBLE CONFLICT WITH UTILITIES ARE TO BE EXCAVATED AS NECESSARY TO VERIFY THE EXACT LOCATION AND ELEVATION BEFORE COMMENCEMENT OF CONSTRUCTION. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
3. TRAFFIC CONTROL SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", LATEST EDITION BY THE FEDERAL HIGHWAY ADMINISTRATION, THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION, AND THE SPECIAL PROVISIONS CONTAINED WITHIN THE BIDDING DOCUMENTS.
4. THE CONTRACTOR SHALL PROVIDE PROTECTION TO THE PUBLIC IN ACCORDANCE WITH ARTICLE 107.14 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", LATEST EDITION BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THIS SHALL INCLUDE TRAFFIC CONTROL AND OTHER NECESSARY MEASURES TO UPHOLD AN ADEQUATE LEVEL OF SAFETY. TRAFFIC CONTROL SHALL BE PROVIDED, TO THE SATISFACTION OF THE ENGINEER, INCLUDING ALL PROTECTION DEEMED NECESSARY BEYOND THAT SHOWN IN THE PLANS OR SPECIAL PROVISIONS. THE ABSENCE OF TRAFFIC CONTROL DRAWINGS DOES NOT RELIEVE THE CONTRACTOR OF THEIR RESPONSIBILITY TO ENSURE PUBLIC SAFETY. IF A PAY ITEM IS NOT LISTED, TRAFFIC CONTROL SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
5. THE CONTRACTOR SHALL PROTECT ALL EXISTING SIDEWALK, PAVEMENT, LANDSCAPING, AND RETAINING WALLS THAT ARE NOT MARKED FOR REMOVAL. ANY DAMAGE CAUSED DURING CONSTRUCTION SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
6. EXISTING FIRE HYDRANTS AND VALVES SHALL REMAIN THE PROPERTY OF THE CITY OF MOLINE WATER DEPARTMENT.
7. PLEASE REFER TO THE SPECIAL PROVISIONS FOR THE INSTRUCTIONS FOR TRACER WIRE INSTALLATION FOR PROPOSED WATER MAIN.
8. ALL STORM AND SANITARY SEWER PIPE CONNECTIONS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
9. ALL PAVEMENT JOINTS SHALL BE SEALED IN ACCORDANCE WITH STANDARD DRAWING #5 FOUND IN THE "2023 (OR LATEST) SUPPLEMENTAL SPECIFICATIONS" ADOPTED JANUARY 1, 2023 (OR LATEST) BY THE CITY OF MOLINE, AND SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
10. THE REMOVAL AND STORAGE OF EXISTING SIGNS AND FENCING WITHIN THE CONSTRUCTION LIMITS SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT. THE CITY WILL BE RESPONSIBLE FOR REINSTALLATION OF SIGNS.
11. THE CONTRACTOR SHALL NOTIFY INDIVIDUAL RESIDENTS PRIOR TO THE REMOVAL OF DRIVEWAYS OR TREES. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING THE REMOVAL AND RECONSTRUCTION SCHEDULE OF DRIVEWAYS WITH INDIVIDUAL RESIDENTS IN ORDER TO MINIMIZE DISRUPTIONS TO DRIVEWAY ACCESS. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
12. THE CONTRACTOR SHALL ENSURE THE CONTINUATION OF MAIL SERVICES AND GARBAGE COLLECTION SERVICES TO RESIDENTS THROUGHOUT THE DURATION OF THE PROJECT. THE CONTRACTOR SHALL NOTIFY RESIDENTS PRIOR TO ANY CHANGES OR DISRUPTIONS IN THESE SERVICES. THIS WORK SHALL BE CONSIDERED INCIDENTAL TO THE CONTRACT.
13. ALL HONEYCOMBING AND/OR POROUS AREAS IN BACK OF CURB WILL BE CORRECTED AS DIRECTED BY THE ENGINEER. SLUMP NOT TO EXCEED 3". REQUIRED AIR, 5% - 8%. NO WATER MAY BE ADDED AT JOBSITE TO EXCEED THE DESIGN SLUMP. ALL TIE BARS, DOWEL BARS AND REINFORCING STEEL SHALL BE EPOXY COATED.
14. THE CONTRACTOR SHALL REVIEW ALL NOTES, THE "2023 (OR LATEST) SUPPLEMENTAL SPECIFICATIONS" ADOPTED JANUARY 1, 2023 (OR LATEST) BY THE CITY OF MOLINE, AND THE SPECIAL PROVISIONS CONTAINED WITHIN THE BIDDING DOCUMENTS PRIOR TO BIDDING EACH PAY ITEM.
15. TRAFFIC CONTROL - E.B. LANE CLOSURE: THE EAST-BOUND LANE WILL BE CLOSED WITH A DETOUR. THE WEST-BOUND LANE WILL BE ONE-WAY AND OPEN AT ALL TIMES. THE DETOUR WILL BE FROM 7TH STREET TO 19TH AVENUE, 19TH AVENUE TO 16TH STREET, AND 16TH STREET TO 36TH AVENUE. 36TH AVENUE, 7TH STREET, 19TH AVENUE, AND 16TH STREET ARE ALL UNDER CITY OF MOLINE JURISDICTION.

GENERAL LEGEND

	SURVEY LINE & STATION INDICATOR	12"CMP	CULVERT; SIZE AND TYPE
	CONCRETE SURFACE	OR	FLARED END SECTION
	ASPHALT SURFACE		RAILROAD
	CONCRETE W/ASPHALT OVERLAY		MAILBOX
	LOW GRADE ASPHALT SURFACE		FENCE (MISC.)
	GRANULAR SURFACE		SECURITY FENCE
	DIRT SURFACE		WOOD FENCE
	BRICK SURFACE	SF	SILT FENCE
	SURFACING REMOVAL/REPLACEMENT		CHAIN LINK FENCE
	EARTH SECTION		PROPERTY LINE
	NEW SEWER/MANHOLE		PROPERTY PIN
	NEW SEWER/INTAKE		SECTION CORNER
	NEW WATER MAIN		PLAT BOUNDARY
	NEW FORCE MAIN		BUILDING
	NEW HYDRANT	855.55	ELEVATION MARKER
	NEW WATER VALVE		CENTERLINE
8"S	EXISTING SANITARY SEWER AND SIZE	DIA.	DIAMETER
18"ST	EXISTING STORM SEWER AND SIZE	ELEV.	ELEVATION
8"W	EXISTING WATER MAIN AND SIZE	PVC	POLYVINYLCHLORIDE PIPE
6"FM	EXISTING FORCE MAIN AND SIZE	CI	CAST IRON PIPE
4"G	GAS MAIN AND SIZE	DI	DUCTILE IRON PIPE
UE	UNDERGROUND POWER LINE	CMP	CORRUGATED METAL PIPE
OHE	OVERHEAD POWER LINE	VCP	VITRIFIED CLAY PIPE
T	UNDERGROUND TELEPHONE LINE	RCP	REINFORCED CONCRETE PIPE
CTV	CABLE TELEVISION LINE	RCAP	REINFORCED CONCRETE ARCH PIPE
FO	FIBER OPTICS	LRCP	LINED REINFORCED CONCRETE PIPE
	TOP OF EMBANKMENT	LCPP	LINED CONCRETE PRESSURE PIPE
	TOE OF EMBANKMENT	STA.	STATION
	DRAINAGE COURSE	LA	LINE AHEAD
S	SANITARY MANHOLE	LB	LINE BACK
ST	STORM WATER MANHOLE	BM-2	BENCH MARK AND NUMBER
E	ELECTRIC MANHOLE	ROW	RIGHT-OF-WAY
T	TELEPHONE MANHOLE	PI	POINT OF INTERSECTION
W	WATER MANHOLE	POT	POINT ON TANGENT
OR	CURB INTAKE	LF	LINEAR FEET
OR	AREA OR BEEHIVE INTAKE	TH	TACKED HUB
	EXISTING HYDRANT	* SB-2	SOIL BORING AND NUMBER
	EXISTING WATER VALVE	PVC	POINT OF VERTICAL CURVATURE
	GAS VALVE	PVT	POINT OF VERTICAL TANGENCY
	UTILITY POLE	VC	VERTICAL CURVE
	GUY ANCHOR	PC	POINT OF CURVATURE
	STREET LIGHT	PT	POINT OF TANGENCY
	SIGN	MO	MIDDLE ORDINATE
	TELEPHONE CABLE JUNCTION BOX	DWG.	DRAWING
	TRAFFIC SIGNALS	CP-1	CONTROL POINT AND NUMBER
	PEDESTRIAN CONTROL LIGHT	(TYP.)	TYPICAL
	RAILROAD CONTROL LIGHT	HPG	HIGH PRESSURE GAS
	RAILROAD SIGN	IPG	INTERMEDIATE PRESSURE GAS
	UTILITY ACCESS COVER	INV.	INVERT
	PARKING METER	E.W.,E.F.	EACH WAY, EACH FACE
	TREE	E.W.	EACH WAY
	EVERGREEN	@	AT
	STUMP	3	DRAWING NUMBER
OR	BUSH, SHRUB OR HEDGE		

NOTE: THIS IS A GENERAL LEGEND. ITEMS MAY OR MAY NOT APPEAR ON DRAWINGS.

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309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

GENERAL NOTES & LEGEND

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 3 OF 70

QUANTITY SUMMARY TABLE					CONSTRUCTION TYPE CODE
NO.	CODE NO.	ITEM DESCRIPTION	UNIT	QUANTITY	0028
1	20100500	TREE REMOVAL, ACRES	ACRE	0.11	0.11
2	20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	185	185
3	20400800	FURNISHED EXCAVATION	CU YD	965	965
4	20800150	TRENCH BACKFILL	CU YD	468	468
5	21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	550	550
6	25000100	SEEDING, CLASS 1	ACRE	0.15	0.15
7	25000300	SEEDING, CLASS 3	ACRE	0.62	0.62
8	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	69	69
9	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	69	69
10	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	69	69
11	25100630	EROSION CONTROL BLANKET	SQ YD	2986	2986
12	28000400	PERIMETER EROSION BARRIER	FOOT	3273	3273
13	28000500	INLET AND PIPE PROTECTION	EACH	5	5
14	28100207	STONE RIPRAP, CLASS A4	TON	53	53
15	28200200	FILTER FABRIC	SQ YD	62	62
16	30300001	AGGREGATE SUBGRADE IMPROVEMENT	CU YD	230	230
17	35100500	AGGREGATE BASE COURSE, TYPE A 6"	SQ YD	1564	1564
18	35100800	AGGREGATE BASE COURSE, TYPE A 9"	SQ YD	1496	1496
19	40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	347	347
20	40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	3366	3366
21	40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	306	306
22	40604060	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50	TON	242	242
23	42400300	PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH	SQ FT	1594.1	1594
24	42400800	DETECTABLE WARNINGS	SQ FT	122	122
25	44000100	PAVEMENT REMOVAL	SQ YD	466.8	466.8
26	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	702	702
27	44000600	SIDEWALK REMOVAL	SQ FT	106	106
28	44003100	MEDIAN REMOVAL	SQ FT	645	645
29	48100500	AGGREGATE SHOULDERS, TYPE A 6"	SQ YD	299	299
30	50102400	CONCRETE REMOVAL	CU YD	1.0	1
31	50200100	STRUCTURE EXCAVATION	CU YD	157	157
32	50300225	CONCRETE STRUCTURES	CU YD	72.4	72.4
33	50300255	CONCRETE SUPERSTRUCTURE	CU YD	10.8	11
34	50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	9180	9180.0
35 *	50901720	BICYCLE RAILING	FOOT	170	170.0
36	51500100	NAME PLATES	EACH	1	1
37	54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1	1
38	55101200	STORM SEWER REMOVAL 24"	FOOT	10	10
39	550A0360	STORM SEWER, CLASS A, TYPE 2 15"	FOOT	10	10
40	550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	188	188

QUANTITY SUMMARY TABLE					CONSTRUCTION TYPE CODE
NO.	CODE NO.	ITEM DESCRIPTION	UNIT	QUANTITY	0028
41 *	56101000	WATER MAIN 16"	FOOT	237	237
42 *	56105300	WATER VALVES 16"	EACH	1	1
43 *	56200300	WATER SERVICE LINE 1"	FOOT	4	4
44 *	56201400	CORPORATION STOP 1"	EACH	1	1
45 *	56400300	FIRE HYDRANTS TO BE ADJUSTED	EACH	1	1
46	60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
47	60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2	2
48 *	60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4
49	60300105	FRAMES AND GRATES TO BE ADJUSTED	EACH	1	1
50	60300305	FRAMES AND LIDS TO BE ADJUSTED	EACH	6	6
51 *	63100087	TRAFFIC BARRIER TERMINAL, TYPE 6A	EACH	1	1
52	63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	1	1
53	63200310	GUARDRAIL REMOVAL	FOOT	144	144
54 *	67100100	MOBILIZATION	LS	1	1
55 *	78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	471	471
56 *	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	504	504
57 *	78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	118	118
58 *	81028370	UNDERGROUND CONDUIT, PVC, 3" DIA.	FOOT	4	4
59 *	87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	120	120
60 *	87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	120	120
61 *	87800100	CONCRETE FOUNDATION, TYPE A	FOOT	6	6
62 *	88102717	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED WITH COUNTDOWN TIMER	EACH	2	2
63	87900200	DRILL EXISTING HANDHOLE	EACH	1	1
64	LR420129	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL) WITH INTEGRAL CURB	SQ YD	1240	1240
65	X2810844	REMOVE EXISTING RIPRAP	SQ YD	50	50
66 *	X0327301	RELOCATE EXISTING MAILBOX	EACH	1	1
67 *	X1200290	16" CUT & CAP	EACH	2	2
68 *	X1400367	PEDESTRIAN SIGNAL POST, 10 FT.	EACH	2	2
69	XX005703	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT, SPECIAL	LS	1	1
70	X2020410	EARTH EXCAVATION (SPECIAL)	CU YD	669	669
71	X5220102	RETAINING WALL REMOVAL	FOOT	110	110
72 *	X5427602	REMOVE EXISTING FLARED END SECTION	EACH	4	4
73 *	X5610716	WATER MAIN REMOVAL, 16"	FOOT	244	244
74	X5630716	CONNECTION TO EXISTING WATER MAIN 16"	EACH	2	2
75	X6061055	CONCRETE ISLAND (SPECIAL)	SQ FT	645	645
76	X7010216	TRAFFIC CONTROL & PROTECTION SPECIAL	LS	1	1
77 *	X7200053	REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL)	EACH	3	3
78 *	X8760200	ACCESSIBLE PEDESTRIAN SIGNALS	EACH	4	4
79	X8950212	MODIFY EXISTING CONTROLLER CABINET, SPECIAL	EACH	1	1
80	Z0013798	CONSTRUCTION LAYOUT	LS	1	1

* SPECIALTY ITEMS

CITY OF MOLINE
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Project #3205

Designer EWL

SHEET 4 OF 70

20100500 TREE REMOVAL, ACRES

ACRE	STA	STA	SIDE	SQ YD
0.11	9+00	11+00	LT + RT	530
0.11				

25000100 SEEDING, CLASS 1

ACRE	STA	STA	SIDE	SQ FT
0.03	1+00	4+50	LT	1369
0.04	4+50	8+50	LT	1634
0.03	8+50	11+25	LT	1130
0.01	11+25	12+25	LT	315
0.04	12+25	16+25	LT	1538
0.15				

25000300 SEEDING, CLASS 3

ACRE	STA	STA	SIDE	SQ FT
0.04	1+00	4+50	RT	1613
0.10	4+50	8+50	RT	4410
0.10	8+50	11+25	RT	4385
0.04	11+25	12+25	RT	1815
0.19	12+25	16+25	RT	8278
0.08	20+00	22+50	RT	3614
0.06	22+50	25+50	RT	2754
0.62				

25100630 EROSION CONTROL BLANKET

SQ YD	STA	STA	SIDE	SQ FT	REMARKS
179	1+00	4+50	RT	1613	
490	4+50	8+50	RT	4410	
487	8+50	11+25	RT	4385	
202	11+25	12+25	RT	1815	
920	12+25	16+25	RT	8278	
402	20+00	22+50	RT	3614	
306	22+50	25+50	RT	2754	
2986					

28000400 PERIMETER EROSION BARRIER

FEET	STA	STA	SIDE	REMARKS
269	1+00	4+50	LT	
311	1+00	4+50	RT	
340	4+50	8+50	LT	
388	4+50	8+50	RT	
216	8+50	11+25	LT	
321	8+50	11+25	RT	
64	11+25	12+25	LT	
114	11+25	12+25	RT	
307	12+25	15+75	LT	
378	12+25	15+75	RT	
24	15+75	16+25	RT	
268	20+00	22+50	RT	
273	22+50	25+50	RT	
3273				

28000500 INLET AND PIPE PROTECTION

EA	STA	OFFSET	REMARKS
1	3+18.99	17.90' RT	
1	3+84.65	2.44' LT	
1	5+61.32	6.18' LT	
1	8+28.18	6.17' LT	
1	11+84.76	31.99' RT	
5			

35100500 AGGREGATE BASE COURSE, TYPE A 6"

SQ YD	STA	STA	REMARKS	SQ FT
	PCC SIDEWALKS			
10			SW CORNER 7TH	92.7
26			SE CORNER 7TH	230.3
20			SW CORNER 35TH ST PL	178.2
19			SE CORNER 35TH ST PL	172.2
21			SW CORNER ENTRANCE TO 1200 36TH AVE	186.0
20			SE CORNER ENTRANCE TO 1200 36TH AVE	180.2
23	23+60	23+75.5	6" WALK WEST BRIDGE APPROACH	204.7
36			6" WALK EAST BRIDGE APPROACH/SW CORNER 13TH	325.5
11			SE CORNER 13TH ST	98.5
	PCC DRIVEWAYS			
198	3+93.9	4+89.7		1779.8
147	7+96.7	8+74.5		1323.3
102	12+13.7	12+40.8		916.3
140	15+40.0	16+25.0		1257.3
185	22+15.2	22+65.1		1661
	PCC PAVEMENT			
34	0+23.6	0+46.4	SW CORNER 7TH PATCH	306.9
72	1+09.5	1+59.1	NE CORNER 7TH PATCH (REPLACING PREVIOUS ISLAND)	646.0
41	1+24.4	1+51.8	SE CORNER 7TH PATCH	372.3
215	10+78.3	11+70.4	35TH ST PL INTERSECTION	1935.0
244	23+97.4	25+01.2	13TH ST INTERSECTION	2200.0
1564	**TOTAL**			

35100800 AGGREGATE BASE COURSE, TYPE A 9"

SQ YD	STA	STA	REMARKS	SQ FT
	UNDER 3" HMA BIKE PATH			
254	1+00	4+50	BIKE PATH	2282.5
342	4+50	8+50	BIKE PATH	3077.8
215	8+50	11+25	BIKE PATH	1932.7
50	11+25	12+25	BIKE PATH	446.6
311	12+25	15+75	BIKE PATH	2798.4
10	15+75	16+25	BIKE PATH	94.3
196	20+00	22+50	BIKE PATH	1766.6
118	22+50	23+60	BIKE PATH	1063.7
1496	**TOTAL**			

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
(309) 524-2350
3635 4TH AVENUE, MOLINE, IL 61265

VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

SCHEDULE OF QUANTITIES

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

SCALE: --

Date 3-21-2025

Project #3205

Designer EWL

SHEET 5 OF 70

40201000 AGGREGATE FOR TEMPORARY ACCESS

TON	STA	STA	SQ FT	FT THICK	REMARKS
57	3+93.9	4+89.7	1618	0.67	Drive
43	7+96.7	8+74.5	1203	0.67	Drive
62	10+78.3	11+70.4	1759.1	0.67	Entrance
21	12+13.7	12+40.8	605	0.67	Drive
40	15+40.0	16+25.0	1143	0.67	Drive
53	22+15.2	22+65.1	1510	0.67	Drive
71	23+97.4	25+01.2	2000.0	0.67	Entrance
347	**TOTAL**				

40604060 HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "D", N50

TONS	STA	STA	SQ FT	REMARKS
41	1+00	4+50	2075	3" MULTI-USE PATH
55	4+50	8+50	2798	3" MULTI-USE PATH
35	8+50	11+25	1757	3" MULTI-USE PATH
8	11+25	12+25	406	3" MULTI-USE PATH
50	12+25	15+75	2544	3" MULTI-USE PATH
2	15+75	16+25	86	3" MULTI-USE PATH
32	20+00	22+50	1606	3" MULTI-USE PATH
19	22+50	23+60	967	3" MULTI-USE PATH
242	**TOTAL**		**12239**	

42400300 PORTLAND CEMENT CONCRETE SIDEWALK, 6 INCH

(SQ FT) TOTAL	SW	SE	36TH AVE INTERSECTIONS
351.5	112.4	239.1	7TH ST
338.2	181.7	156.5	35TH ST PL
332.9	169.1	163.8	Entrance to 1200 36TH AVE
186.1	-	-	STA 23+60 To 23+75.5
385.4	295.9	89.5	13TH ST
1594.1	**TOTAL**		

42400800 DETECTABLE WARNINGS

(SQ FT) TOTAL	SW	SE	36TH AVE INTERSECTIONS
36	17	19	7TH ST
39	20	19	35TH ST PL
47	24	23	13TH ST
122	**TOTAL**		

44000100 PAVEMENT REMOVAL

SQ YD	STA	STA	REMARKS
32.5	0+23.6	0+46.4	
39.3	1+24.4	1+51.8	
195.0	10+78.3	11+70.4	
200.0	23+97.3	24+96.1	
466.8			

44000200 DRIVEWAY PAVEMENT REMOVAL

SQ YD	STA	STA	REMARKS
180	3+93.9	4+89.7	
134	7+96.7	8+74.5	
93	12+13.7	12+40.8	
127	15+40.0	16+25.4	
168	22+15.2	22+65.1	
702			

44000600 SIDEWALK REMOVAL

SQ FT	STA	STA	REMARKS
106	0+00	0+50	
106			

44003100 MEDIAN REMOVAL

SQ FT	STA	STA	REMARKS
645	1+09.5	1+59.1	
645			

48100500 AGGREGATE SHOULDERS, TYPE A 6 INCH

SQ YD	STA	STA	SQ FT	REMARKS
2	16+00	16+25	22	
185	20+00	22+50	1661	
112	22+50	25+50	1008	
299	**TOTAL**			

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

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Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 6 OF 70

54213660 PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"

EA	STA	OFFSET	REMARKS
1	10+73.57	51.78' RT	
1			

55101200 STORM SEWER REMOVAL 24"

FOOT	STA	OFFSET	STA	OFFSET	REMARKS
5	9+09.68	3.54' RT	9+14.66	3.56' RT	
5	10+77.65	45.12' RT	10+84.35	43.64' RT	
10					

550A0360 STORM SEWERS, CLASS A, TYPE 2 15"

FOOT	STA	OFFSET	STA	OFFSET	REMARKS
10	10+73.57	51.78' RT	10+79.74	44.65' RT	
10					

550A0410 STORM SEWERS, CLASS A, TYPE 2 24"

FOOT	STA	OFFSET	STA	OFFSET	REMARKS
5	9+09.68	3.54' RT	9+14.66	3.56' RT	
141	9+14.66	3.56' RT	10+52.74	23.24' RT	
37	10+52.74	23.24' RT	10+79.74	44.65' RT	
5	10+79.74	44.65' RT	10+82.40	44.06' RT	
188					

56101000 WATER MAIN 16"

FOOT	STA	OFFSET	STA	OFFSET	REMARKS
237	22+19.81	11.45' RT	24+60.61	6.13' RT	Sheet 62
237					

56105300 WATER VALVES 16"

EA	STA	OFFSET	REMARKS
1	22+19.85	12.39 RT	Sheet 62
1			

56400300 FIRE HYDRANTS TO BE ADJUSTED

EA	STA	OFFSET	REMARKS
1	24+69.68	22.44' RT	Hydrant
1			

60218400 MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID

EA	STA	OFFSET	REMARKS
1	9+14.66	3.56' RT	STR-1: U/S MH TO REPLACE PREVIOUS 24" FES
1			

60221100 MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID

1	10+52.06	23.24' RT	STR-2A
1	10+79.74	44.65' RT	STR-2: D/S MH TO REPLACE 24" FES
2			

60265700 VALVE VAULTS TO BE ADJUSTED

EA	STA	OFFSET	REMARKS
1	12+72.10	37.78' RT	WATER VALVE PIT
1	22+13.99	5.64' LT	WATER VALVE PIT
1	24+60.36	9.32' RT	WATER VALVE PIT
1	24+71.85	3.37' LT	WATER VALVE PIT
4			

60300105 FRAMES AND GRATES TO BE ADJUSTED

EA	STA	OFFSET	REMARKS
1	11+84.81	32.09' RT	STORM AREA INTAKE
1			

60300305 FRAMES AND LIDS TO BE ADJUSTED

EA	STA	OFFSET	REMARKS
1	1+13.52	70.37' LT	STORM MH
1	4+92.41	0.65' LT	STORM MH
1	7+21.79	3.59' RT	STORM MH
1	11+44.63	33.53' RT	STORM MH
1	12+30.10	31.51' RT	STORM MH
1	24+31.82	10.86 RT	SANITARY MH
6			

63200310 GUARDRAIL REMOVAL

FOOT	STA	OFFSET	STA	OFFSET	REMARKS
102	22+73.77	2.11' LT	23+75.52	2.94' LT	
42	23+97.42	3.17' LT	24+26.02	19.23' RT	
144					

78001110 PAINTED PAVEMENT MARKING - LINE 4"

FOOT	STA	STA	REMARKS
63	1+00	4+50	21 Yellow 3' Dashed Trail CL Paint Marking (9' space between)
87	4+50	8+50	29 Yellow 3' Dashed Trail CL Paint Marking (9' space between)
57	8+50	11+25	19 Yellow 3' Dashed Trail CL Paint Marking (9' space between)
15	11+25	12+25	5 Yellow 3' Dashed Trail CL Paint Marking (9' space between)
78	12+25	15+75	26 Yellow 3' Dashed Trail CL Paint Marking (9' space between)
57	15+75	18+50	19 Yellow 3' Dashed Trail CL Paint Marking (9' space between)
81	18+50	22+50	27 Yellow 3' Dashed Trail CL Paint Marking (9' space between)
33	22+50	24+50	11 Yellow 3' Dashed Trail CL Paint Marking (9' space between)
471			

78001130 PAINTED PAVEMENT MARKING - LINE 6"

FOOT	Intersection	Quad	REMARKS
113	7th St	West	White Crosswalk Paint Marking - West Side of Intersection
194	7th St	South	White Crosswalk Paint Marking - South Side of Intersection
92	35th Ave Pl	South	White Crosswalk Paint Marking - South Side of Intersection
105	13th St	South	White Crosswalk Paint Marking - South Side of Intersection
504			

78001180 PAINTED PAVEMENT MARKING - LINE 24"

FOOT	Intersection	Quad	REMARKS
26	7th St	West	White Stop Bar Paint Marking - West Side intersection, Eastbound
55	7th St	South	White Stop Bar Paint Marking - South Side intersection, Northbound
18	35th Ave Pl	South	White Stop Bar Paint Marking - South Side intersection, Northbound
19	13th St	South	White Stop Bar Paint Marking - South Side intersection, Northbound
118			

LR420129 PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL) WITH INTEGRAL CURB

SQ YD	STA	STA	SQ FT	REMARKS
32	0+23.6	0+46.4	292.3	
72	1+09.5	1+59.1	646	
39	1+24.4	1+51.8	354.6	
180	3+93.9	4+89.7	1618	Entrance to 700 35th Ave Pl
134	7+96.7	8+74.5	1203	Entrance to 840 35th Ave Pl
195	10+78.3	11+70.4	1759.1	35th Ave Pl Intersection Entrance
93	12+13.7	12+40.8	833	Entrance to 1000 36th Ave
127	15+40.0	16+25.4	1143	Entrance to 1100 36th Ave
168	22+15.2	22+65.1	1510	Entrance to 1200 36th Ave
200	23+97.4	25+01.2	1800	13th Street Intersection (southside)
1240	**TOTAL**			

X0327301 RELOCATE EXISTING MAILBOX

EA	STA	OFFSET	REMARKS
1	22+55.92	11.96'	RELOCATE IN FIELD
1			

X5427602 REMOVE EXISTING FLARED END SECTION

EA	STA	OFFSET	REMARKS
1	9+14.66	3.56' RT	24" FES
1	9+32.59	11.99' RT	12" FES
1	10+77.85	44.32' RT	FES
1	10+79.74	44.65' RT	24" FES
4			

X5610716 WATER MAIN REMOVAL, 16"

FOOT	STA	OFFSET	STA	OFFSET
244	22+19.81	11.45' RT	24+60.61	6.13' RT
244				

X6061055 CONCRETE ISLAND (SPECIAL)

SQ FT	STA	STA	REMARKS
645	1+09.5	1+59.1	
645			

X7200053 REMOVE, STORE AND RE-ERECT SIGN PANEL (SPECIAL)

EA	STA	OFFSET	REMARKS
1	10+87.25	13.43' R	800-870 36TH AVE
1	12+39.63	15.78' R	1000 36TH AVE
1	15+32.71	17.80' R	1050 36TH AVE
3			

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

SCHEDULE OF QUANTITIES

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SCALED FOR 11"X17" PAPER

SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 7 OF 70

PLOTTED: Friday, April 11, 2025 12:06:38 PM

Total Volume Table Sta 1+00 - Sta 16+25

Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
1+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1+25.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
1+50.00	18.22	0.02	9.04	0.01	9.04	0.01	9.04
1+75.00	8.69	0.00	12.10	0.01	21.14	0.02	21.12
2+00.00	8.64	0.03	7.72	0.02	28.87	0.04	28.83
2+25.00	9.63	0.00	8.43	0.02	37.30	0.06	37.24
2+50.00	10.97	0.00	9.53	0.00	46.83	0.06	46.77
2+75.00	9.22	0.00	9.35	0.00	56.18	0.06	56.11
3+00.00	10.40	0.00	9.08	0.00	65.26	0.07	65.20
3+25.00	12.16	0.00	10.45	0.00	75.71	0.07	75.64
3+50.00	19.00	0.00	14.43	0.00	90.13	0.07	90.06
3+71.10	17.39	0.05	16.85	0.03	106.98	0.10	106.88
4+00.00	27.34	0.00	20.62	0.03	127.60	0.12	127.47
4+25.00	38.87	0.00	30.19	0.00	157.79	0.12	157.67
4+50.00	39.67	0.00	35.68	0.00	193.47	0.12	193.34
4+75.00	26.17	0.14	25.34	0.07	218.80	0.19	218.61
5+00.00	4.56	56.07	16.45	39.11	235.25	39.30	195.95
5+25.00	2.57	48.96	3.29	60.34	238.54	99.64	138.90
5+50.00	0.94	16.90	1.62	38.55	240.16	138.19	101.97
5+75.00	5.09	3.31	2.78	11.93	242.94	150.12	92.82
6+00.00	5.72	2.32	4.98	3.33	247.92	153.45	94.46
6+25.00	7.92	0.80	6.28	1.85	254.19	155.30	98.89
6+50.00	6.21	1.27	6.51	1.23	260.70	156.53	104.17
6+75.00	6.54	2.11	5.87	2.00	266.57	158.54	108.03
7+00.00	5.29	2.46	5.44	2.71	272.01	161.25	110.77
7+25.00	5.17	4.01	4.82	3.85	276.84	165.10	111.74
7+50.00	5.09	3.98	4.75	4.81	281.59	169.91	111.69
7+75.00	5.53	6.68	4.92	6.42	286.51	176.32	110.19
8+00.00	11.73	4.06	7.99	6.47	294.50	182.79	111.71
8+25.00	15.26	0.10	12.49	2.50	306.99	185.29	121.70
8+50.00	27.53	0.00	19.81	0.06	326.80	185.35	141.45
8+75.00	10.08	0.00	17.42	0.00	344.22	185.35	158.87
9+00.00	8.40	0.30	8.56	0.18	352.78	185.53	167.25
9+07.28	0.00	31.22	3.91	19.10	356.68	204.63	152.05
9+50.00	3.77	17.50	1.76	29.63	358.44	234.27	124.18
9+75.00	16.46	26.43	9.58	26.81	368.02	261.07	106.95
10+00.00	9.43	32.50	12.30	36.05	380.32	297.12	83.20
10+25.00	8.01	33.86	2.35	11.63	382.67	308.75	73.92
10+43.00	5.51	42.31	10.86	79.97	393.53	388.72	4.81
10+75.00	8.15	100.44	6.34	89.03	399.87	477.76	-77.89
11+00.00	48.11	0.00	26.63	62.99	426.51	540.75	-114.24
11+25.00	39.61	0.00	41.52	0.00	468.03	540.75	-72.72
11+50.00	62.22	0.00	34.69	0.00	502.72	540.75	-38.03
11+75.00	6.00	44.32	41.34	35.15	544.06	575.90	-31.84
12+00.00	8.23	21.97	6.66	40.98	550.72	616.88	-66.16
12+25.00	33.46	0.00	19.62	13.52	570.34	630.40	-60.06
12+50.00	10.80	0.33	20.78	0.20	591.12	630.60	-39.48
12+75.00	6.93	45.75	8.25	28.56	599.37	659.16	-59.79
13+00.00	5.69	66.95	5.86	69.89	605.22	729.05	-123.83
13+25.00	5.69	54.97	5.28	75.62	610.50	804.67	-194.17

Total Volume Table Sta 1+00 - Sta 16+25

Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
13+50.00	5.17	57.55	5.04	69.75	615.54	874.42	-258.88
13+75.00	5.22	70.02	4.82	79.06	620.36	953.48	-333.11
14+00.00	5.43	49.97	4.94	74.31	625.31	1027.79	-402.48
14+25.00	5.39	46.74	5.03	59.87	630.33	1087.66	-457.33
14+50.00	7.07	24.49	5.79	43.90	636.12	1131.56	-495.44
14+75.00	6.42	13.74	6.24	23.01	642.36	1154.57	-512.21
15+00.00	8.01	9.12	6.68	13.76	649.05	1168.33	-519.28
15+25.00	6.47	3.58	6.71	7.64	655.75	1175.97	-520.22
15+50.00	13.98	1.14	9.47	2.84	665.22	1178.81	-513.59
15+75.00	18.86	0.00	15.21	0.68	680.43	1179.50	-499.07
16+00.00	19.00	0.00	17.53	0.00	697.96	1179.50	-481.54
16+25.00	9.57	1.40	13.23	0.84	711.19	1180.34	-469.15

Total Volume Table Sta 20+00 - Sta 25+25

Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
20+00.00	3.16	35.76	0.00	0.00	0.00	0.00	0.00
20+25.00	3.75	30.31	3.20	39.77	3.20	39.77	-36.57
20+25.76	4.16	23.52	3.66	32.40	6.86	72.17	-65.31
20+33.24	3.62	24.55	3.60	28.93	10.46	101.10	-90.64
20+40.71	3.79	23.40	3.43	28.86	13.89	129.96	-116.07
20+50.00	7.22	16.06	5.10	23.75	18.99	153.71	-134.73
20+69.59	7.32	15.86	0.20	0.58	19.19	154.29	-135.10
20+75.00	7.70	15.23	2.04	5.09	21.23	159.38	-138.15
20+76.32	6.81	16.70	1.98	5.23	23.21	164.61	-141.40
20+83.06	4.90	18.23	2.01	7.81	25.22	172.42	-147.20
21+00.00	2.27	19.91	2.60	17.99	27.82	190.41	-162.59
21+25.00	1.60	19.30	0.39	5.53	28.21	195.94	-167.73
21+50.00	1.55	19.12	0.08	1.23	28.29	197.16	-168.87
21+61.11	1.86	18.00	0.42	6.49	28.71	203.65	-174.94
21+75.00	4.53	13.73	2.00	12.94	30.72	216.59	-185.87
22+00.00	41.67	0.00	21.39	8.26	52.10	224.85	-172.75
22+25.00	43.66	0.00	39.50	0.00	91.61	224.85	-133.24
22+50.00	37.45	1.19	16.68	0.32	108.29	225.17	-116.88
22+75.00	7.14	0.49	11.47	0.56	119.76	225.73	-105.97
22+75.51	6.29	3.45	6.22	2.37	125.98	228.10	-102.13
22+97.37	7.49	4.03	6.38	4.50	132.36	232.61	-100.25
23+00.00	6.06	4.20	6.27	4.96	138.63	237.56	-98.93
23+17.47	2.47	57.11	3.95	36.90	142.58	274.46	-131.88
23+25.00	3.10	62.20	0.05	1.45	142.63	275.91	-133.28
23+50.00	5.28	97.14	3.39	83.85	146.03	359.77	-213.74
23+75.00	2.06	66.69	0.35	10.79	146.38	370.55	-224.18
23+78.74	18.22	0.22	6.56	28.15	152.94	398.70	-245.77
24+00.00	30.91	0.00	6.85	0.04	159.78	398.74	-238.96
24+09.45	40.63	0.00	33.12	0.00	192.91	398.74	-205.84
24+25.00	18.38	19.35	27.32	11.65	220.22	410.39	-190.17
24+50.00	12.28	22.19	2.12	3.74	222.35	414.13	-191.78
24+75.00	5.93	35.91	7.16	30.42	229.51	444.55	-215.05
25+00.00	6.99	0.08	2.26	8.19	231.77	452.74	-220.98
25+25.00	0.00	0.00	2.02	0.03	233.78	452.77	-218.99

NOTES:
1. FILL VOLUME CALCULATIONS IN TABLES TAKE INTO ACCOUNT 30% SHRINKAGE.
2. CALCULATIONS INCLUDE TOPSOIL.
3. CALCULATION TABLE BELOW:
4. CALCULATIONS OMITTED PREVIOUSLY CONSTRUCTED TRAIL FROM STA 16+25 TO STA 20+00.

EARTHWORK CUT STA 1+00- STA 16+25	711
EARTHWORK CUT STA 20+00- STA 25+25	234
PAVEMENT REMOVED	-276
TOTAL CUT (CY)	**669**
EARTHWORK FILL STA 1+00- STA 16+25	1180
EARTHWORK FILL STA 20+00- STA 25+25	453
TOTAL FILL (CY)	**1633**
NET VOLUME +/- (CY)	**-965**

X2020410 - EARTH EXCAVATION (SPECIAL)	**669**	CY
20400800 - FURNISHED EXCAVATION	**965**	CY

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309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

SCHEDULE OF QUANTITIES

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

SCALE: --

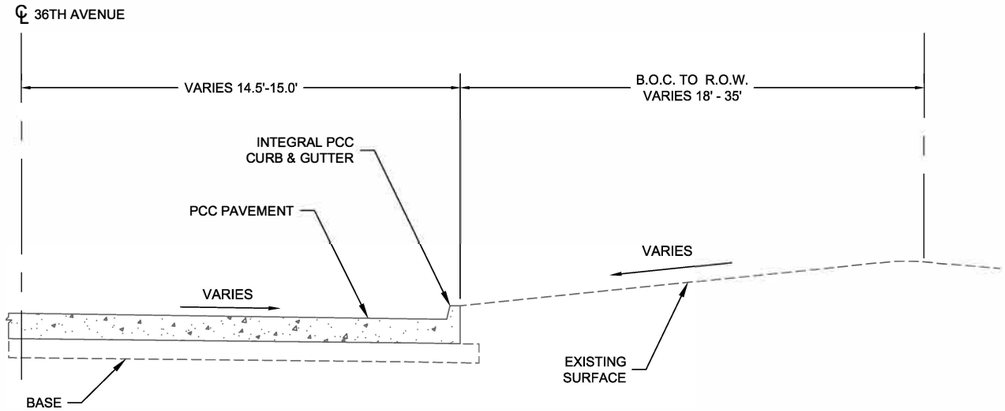
Date **3-21-2025**

Project **#3205**

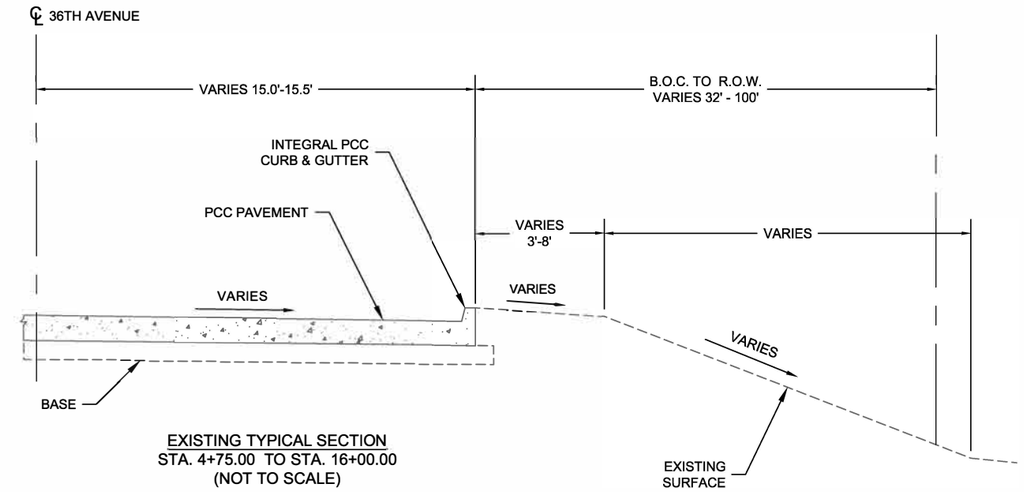
Designer **EWL**

SHEET **8** OF **70**

X-REFS:
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_PRODUCTION DRAWINGS\3205 B SHEETS



EXISTING TYPICAL SECTION
STA. 1+37.75 TO STA. 4+75.00
(NOT TO SCALE)



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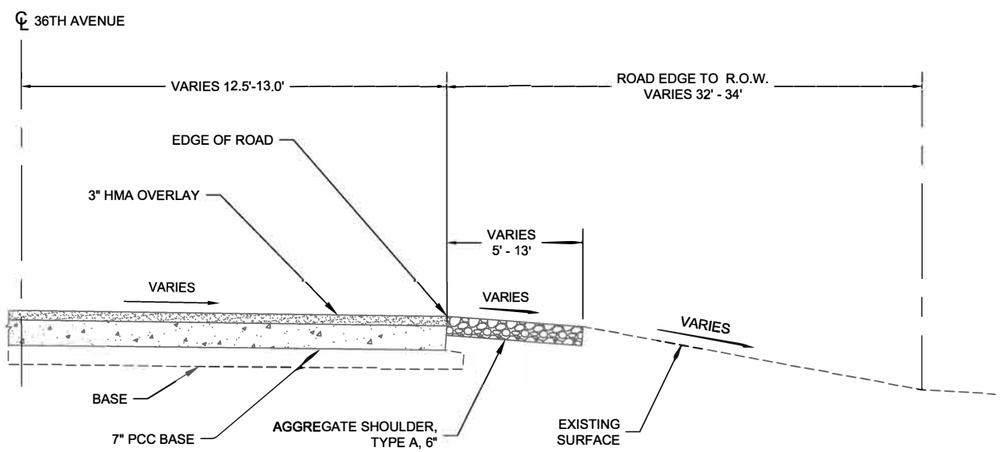
(NOT TO SCALE)



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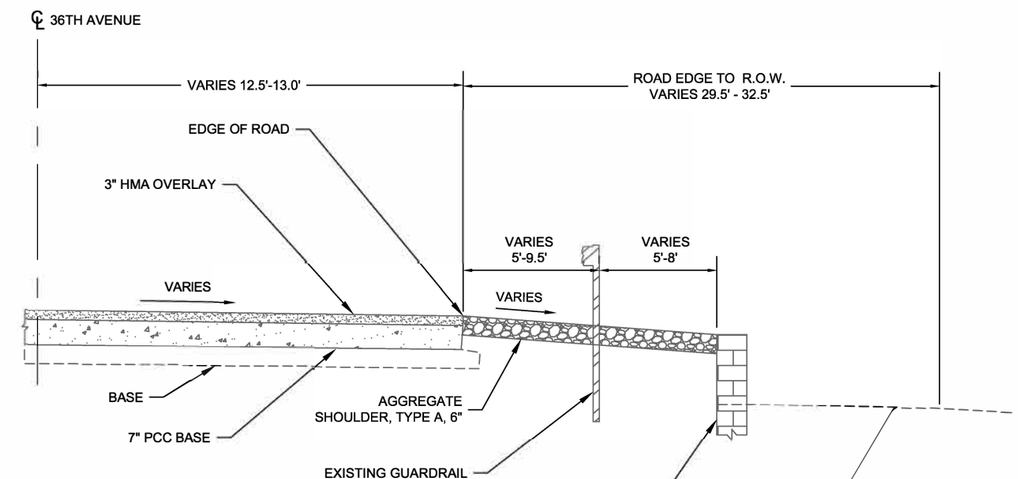
STA. 24+50.00 TO STA. 25+50.00
(NOT TO SCALE)



EXISTING TYPICAL SECTION
STA. 22+50.00 TO STA. 23+60.00
STA. 23+60 TO STA. 24+50 (BRIDGE OMITTED)
(NOT TO SCALE)

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EXISTING TYPICAL SECTIONS

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

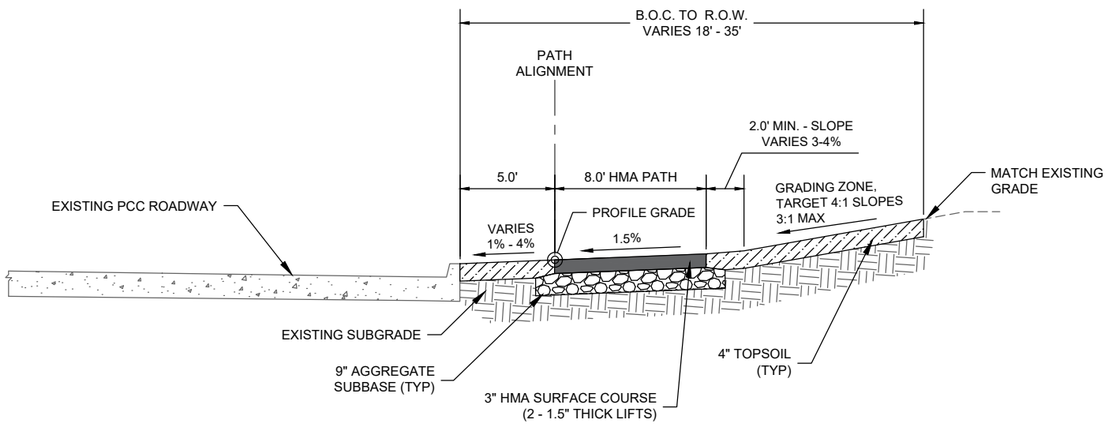
SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

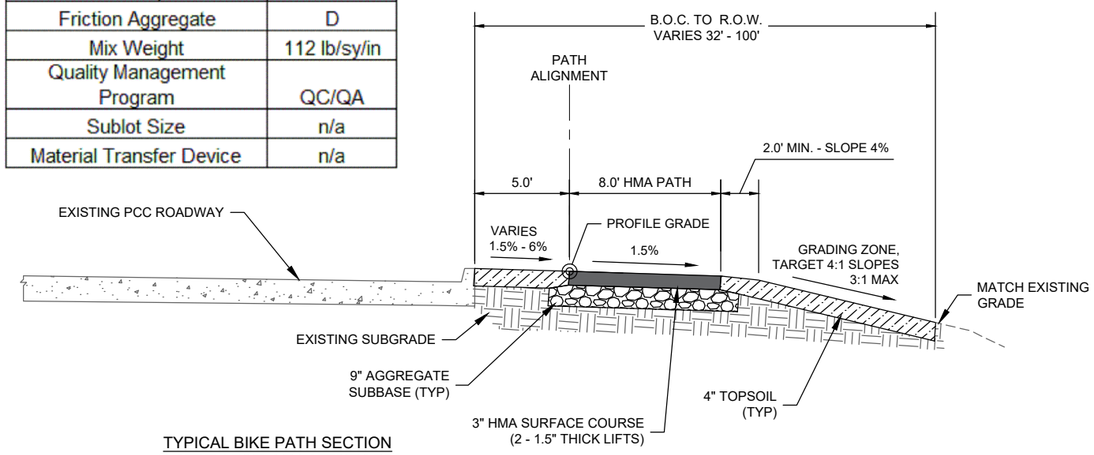
SHEET 9 OF 70

H.M.A. CHART

Location and Mixture Uses(s):	Surface
PG:	PG 58-28
Design Air Voids	4.0 @ N50
Mixture Composition	IL 9.5
Friction Aggregate	D
Mix Weight	112 lb/sy/in
Quality Management Program	QC/QA
Sublot Size	n/a
Material Transfer Device	n/a



TYPICAL BIKE PATH SECTION
STA. 1+37.75 TO STA. 4+75.00
(NOT TO SCALE)



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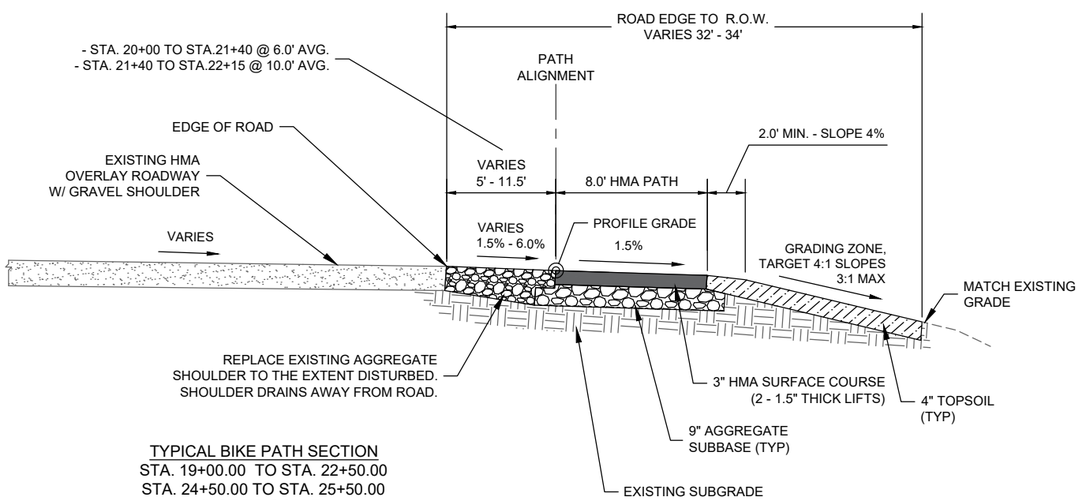

TYPICAL BIKE PATH SECTION
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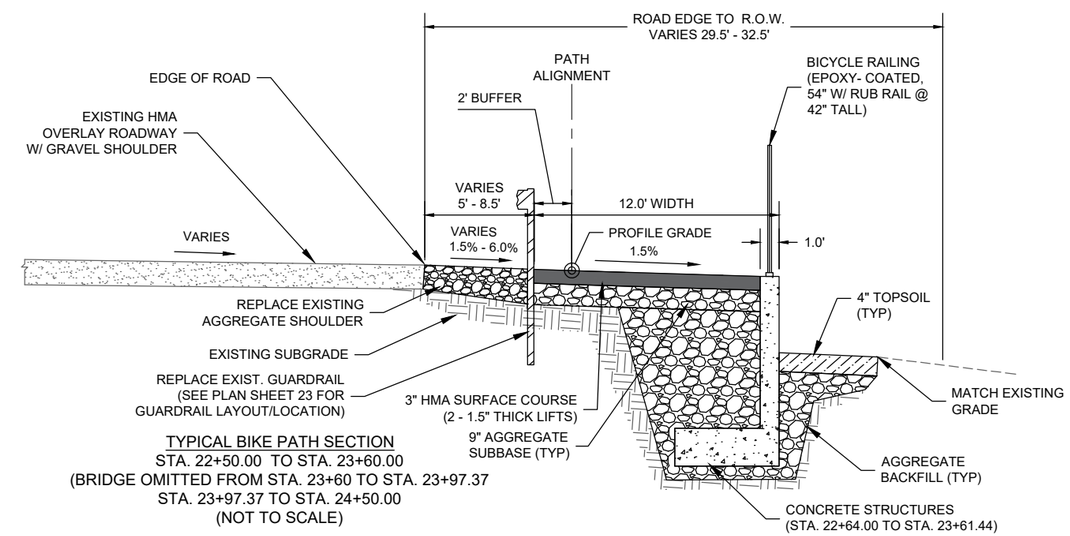
STA. 24+50.00 TO STA. 25+50.00
(NOT TO SCALE)



TYPICAL BIKE PATH SECTION
STA. 22+50.00 TO STA. 23+60.00
(BRIDGE OMITTED FROM STA. 23+60 TO STA. 23+97.37
STA. 23+97.37 TO STA. 24+50.00
(NOT TO SCALE)

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

TYPICAL SECTIONS

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

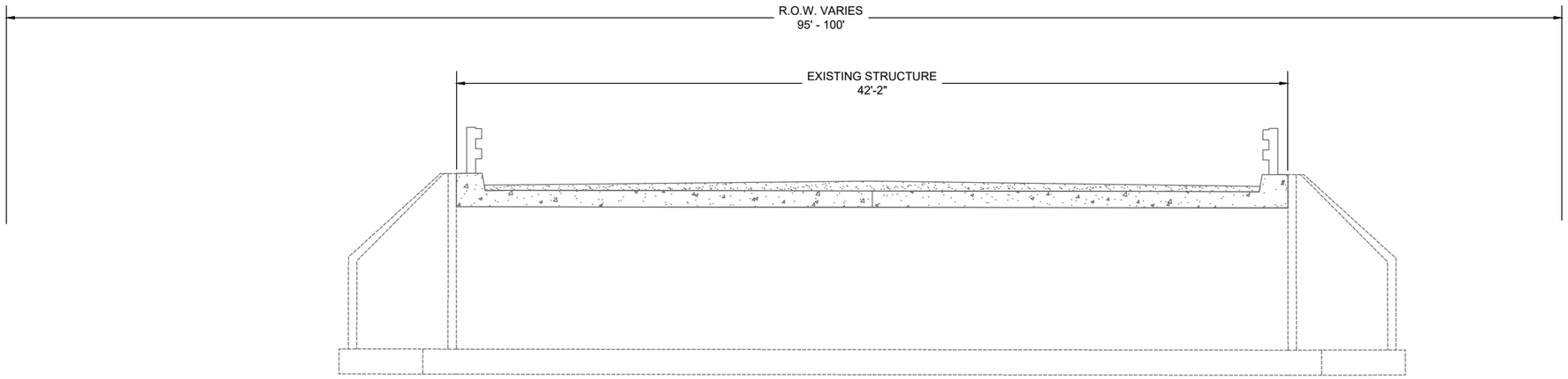
SCALE: --

Date 11-24-2025

Project #3205

Designer EWL

85763



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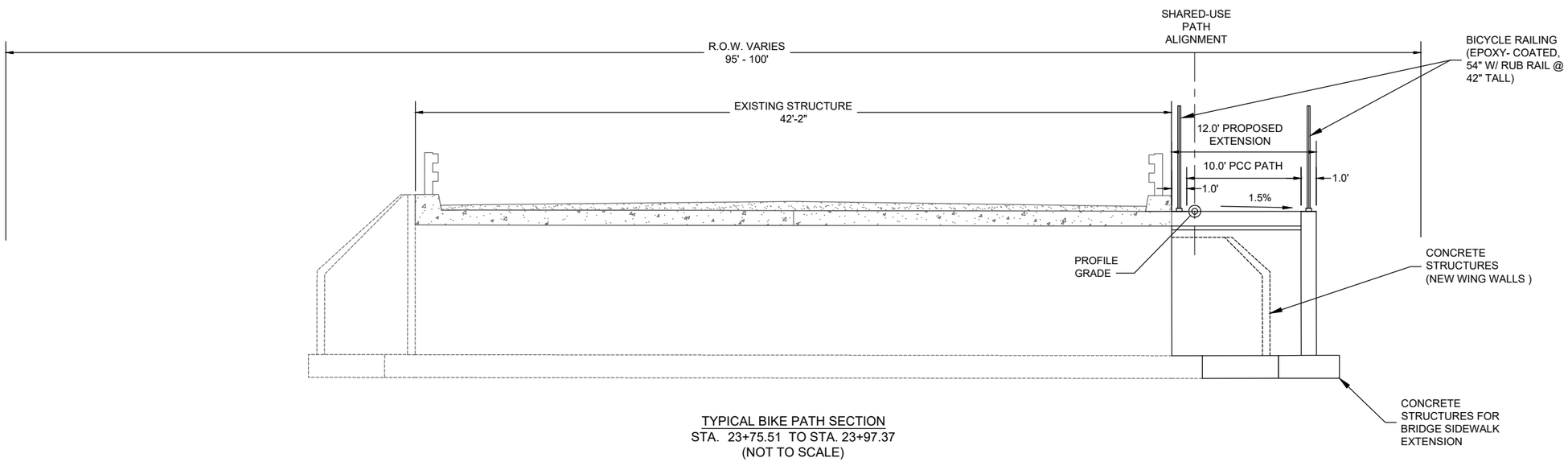
(NOT TO SCALE)



TYPICAL BIKE PATH SECTION
STA. 23+75.51 TO STA. 23+97.37
(NOT TO SCALE)

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

BRIDGE TYPICAL SECTIONS

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

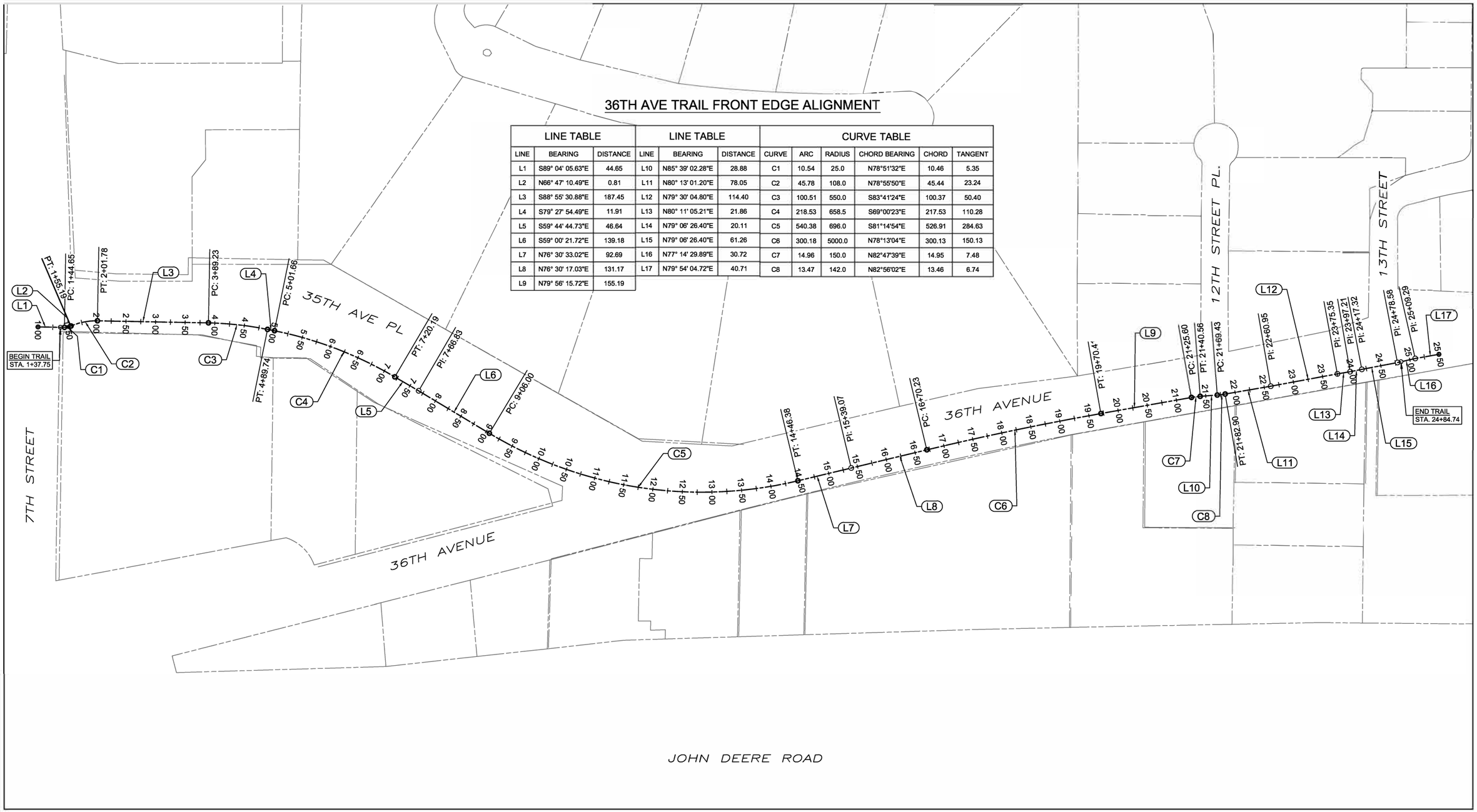
SCALE: --

Date **11-24-2025**

Project **#3205**

Designer **EWL**

SHEET **11** OF **70**



LINE TABLE			LINE TABLE		
LINE	BEARING	DISTANCE	LINE	BEARING	DISTANCE
L1	S89° 04' 05.63"E	44.65	L10	N85° 39' 02.28"E	28.88
L2	N66° 47' 10.49"E	0.81	L11	N80° 13' 01.20"E	78.05
L3	S88° 55' 30.88"E	187.45	L12	N79° 30' 04.80"E	114.40
L4	S79° 27' 54.49"E	11.91	L13	N80° 11' 05.21"E	21.86
L5	S59° 44' 44.73"E	46.64	L14	N79° 06' 26.40"E	20.11
L6	S59° 00' 21.72"E	139.18	L15	N79° 06' 26.40"E	61.26
L7	N76° 30' 33.02"E	92.69	L16	N77° 14' 29.89"E	30.72
L8	N76° 30' 17.03"E	131.17	L17	N79° 54' 04.72"E	40.71
L9	N79° 56' 15.72"E	155.19			

CURVE TABLE					
CURVE	ARC	RADIUS	CHORD BEARING	CHORD	TANGENT
C1	10.54	25.0	N78°51'32"E	10.46	5.35
C2	45.78	108.0	N78°55'50"E	45.44	23.24
C3	100.51	550.0	S83°41'24"E	100.37	50.40
C4	218.53	658.5	S69°00'23"E	217.53	110.28
C5	540.38	696.0	S81°14'54"E	526.91	284.63
C6	300.18	5000.0	N78°13'04"E	300.13	150.13
C7	14.96	150.0	N82°47'39"E	14.95	7.48
C8	13.47	142.0	N82°56'02"E	13.46	6.74

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

ALIGNMENT DATA

DATE	REVISION

NORTH

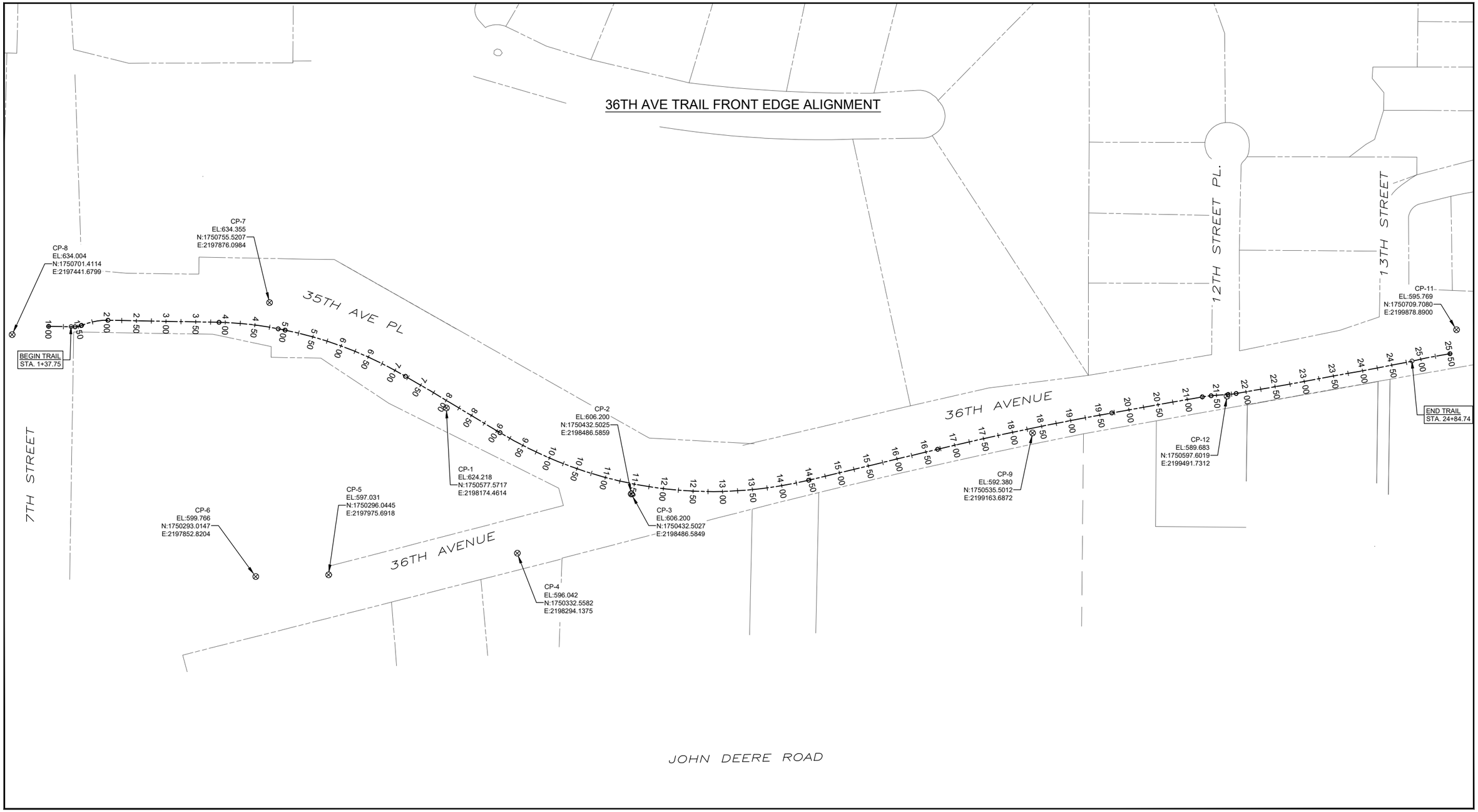
SCALED FOR 11"X17" PAPER

0 80' 160'

SCALE: 1" = 160'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 12 OF 70



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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

HORIZONTAL & VERTICAL CONTROL

DATE	REVISION

NORTH

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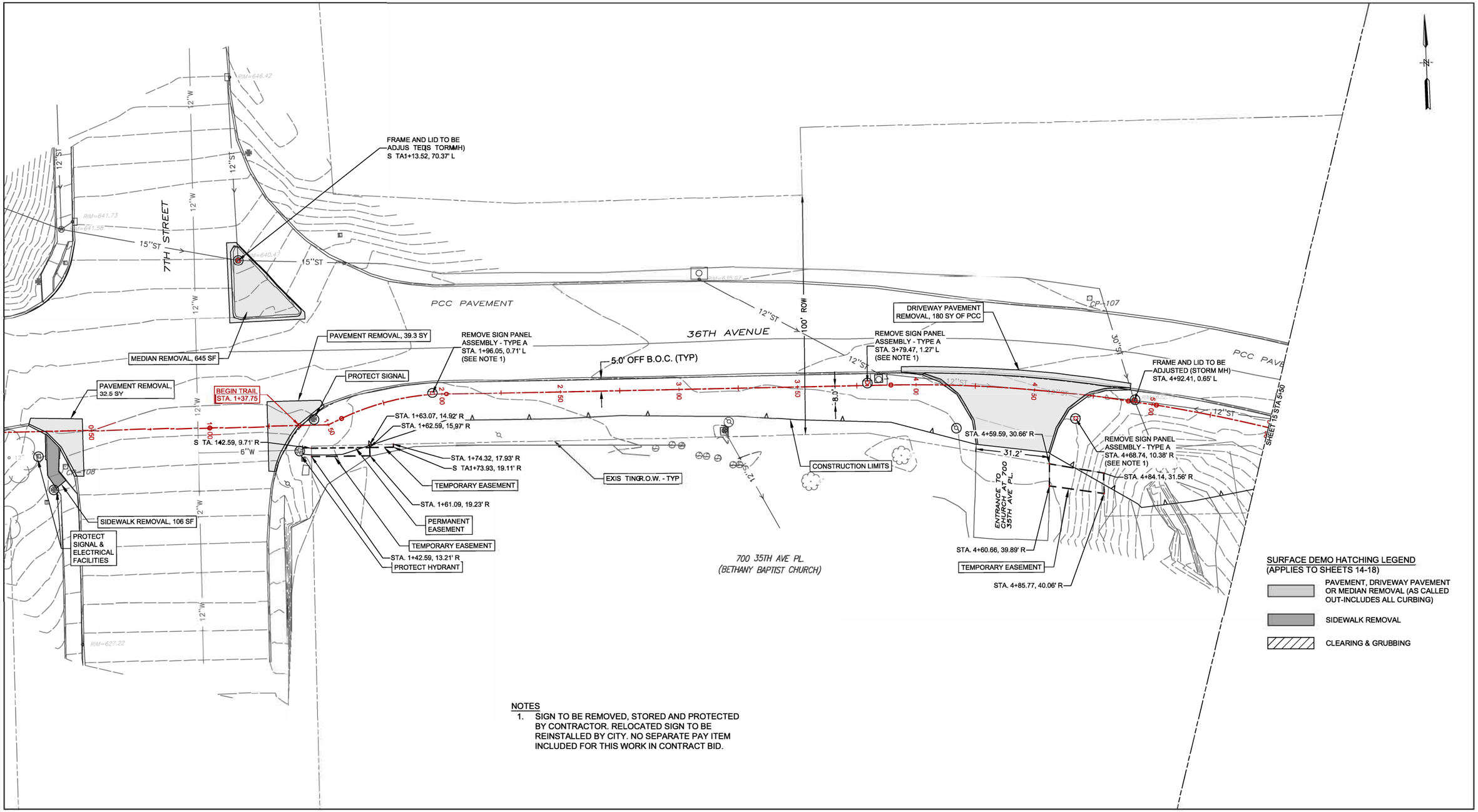
0 80' 160'

SCALE: 1" = 160'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 13 OF 70



NOTES

1. SIGN TO BE REMOVED, STORED AND PROTECTED BY CONTRACTOR. RELOCATED SIGN TO BE REINSTALLED BY CITY. NO SEPARATE PAY ITEM INCLUDED FOR THIS WORK IN CONTRACT BID.

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

RIGHT-OF-WAY & REMOVALS - STA. 0+00 TO STA. 5+50

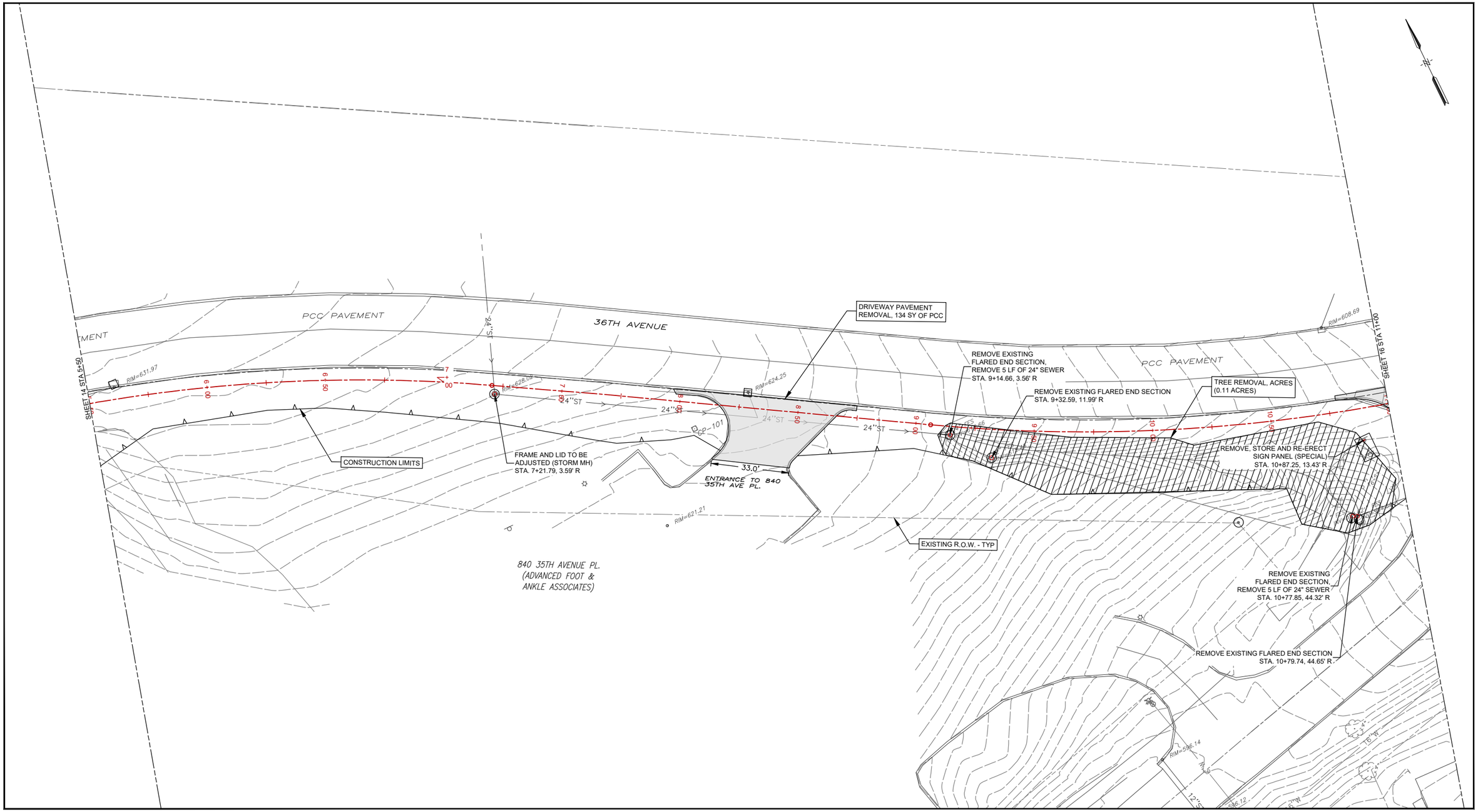
DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 14 OF 70



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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

RIGHT-OF-WAY & REMOVALS - STA. 5+50 TO STA. 11+00

DATE	REVISION

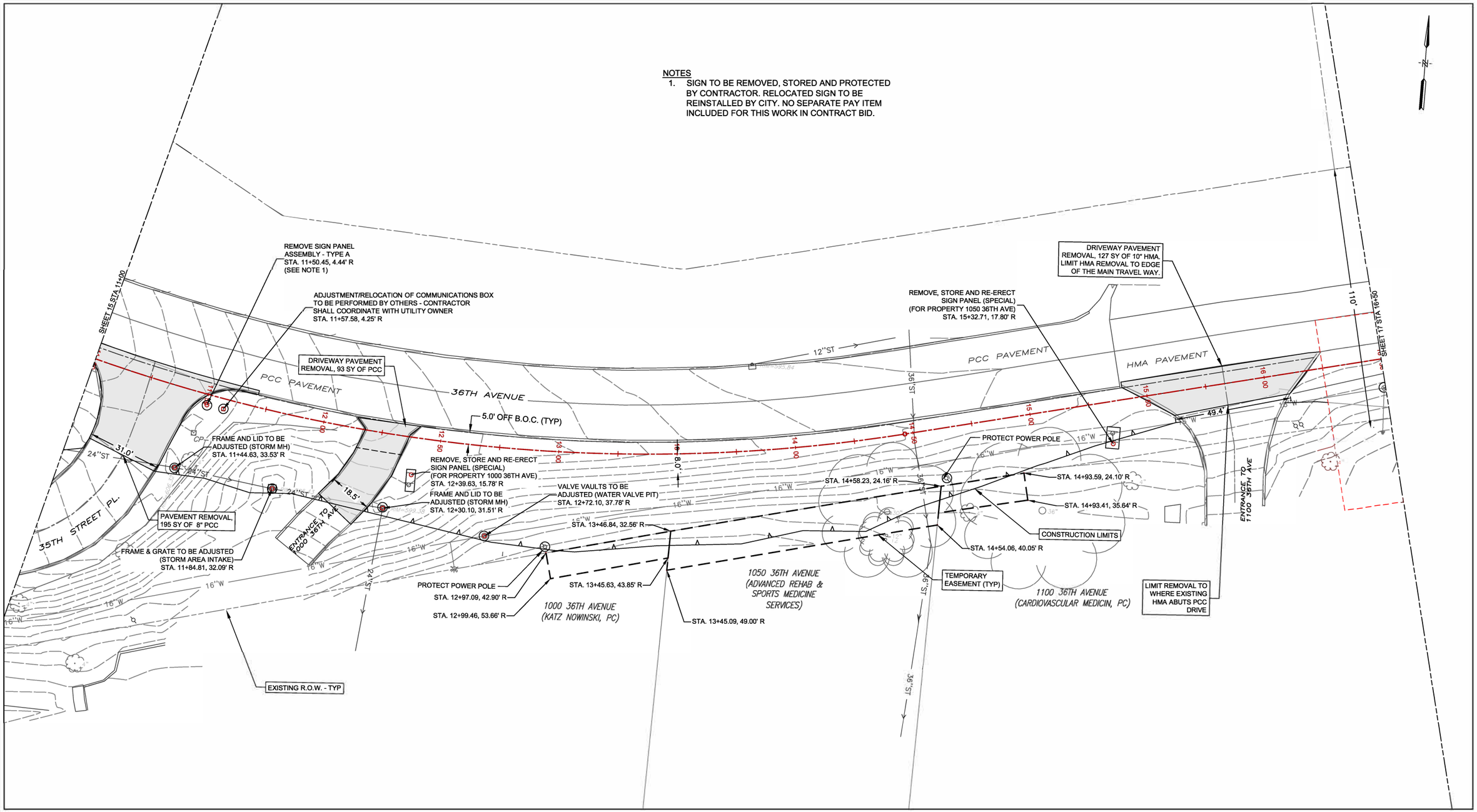
NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 15 OF 70

NOTES
1. SIGN TO BE REMOVED, STORED AND PROTECTED BY CONTRACTOR. RELOCATED SIGN TO BE REINSTALLED BY CITY. NO SEPARATE PAY ITEM INCLUDED FOR THIS WORK IN CONTRACT BID.



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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

RIGHT-OF-WAY & REMOVALS - STA. 11+00 TO STA. 16+50

DATE	REVISION

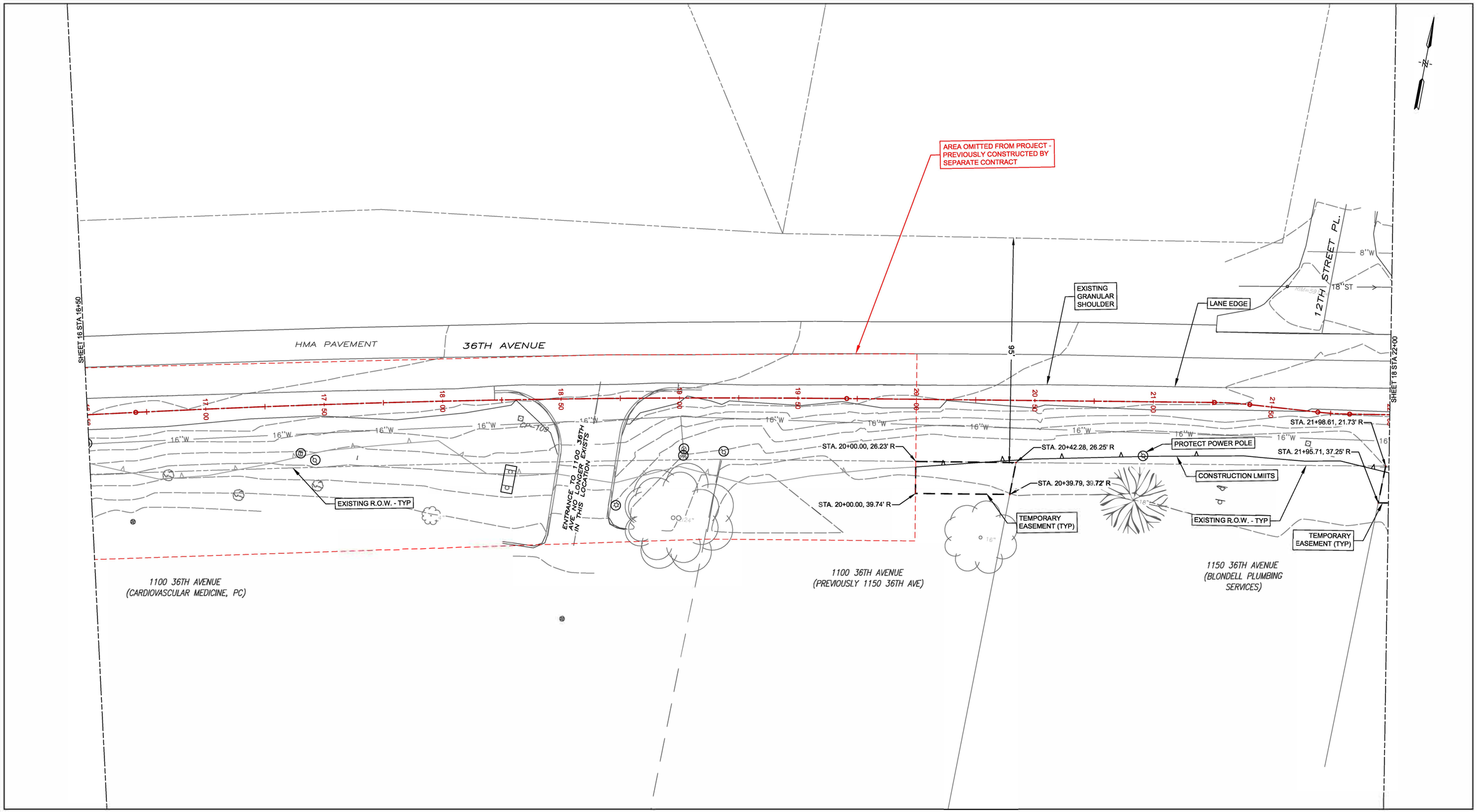
NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 16 OF 70

PLOTTED: Tuesday, March 25, 2025 12:14:21 PM



X-REFS: 3205 Survey IL-83W & 3205 Aerial-Moline & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_PRODUCTION DRAWINGS\3205 REMOVALS + ROW

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

RIGHT-OF-WAY & REMOVALS - STA. 16+50 TO STA. 22+00

DATE	REVISION

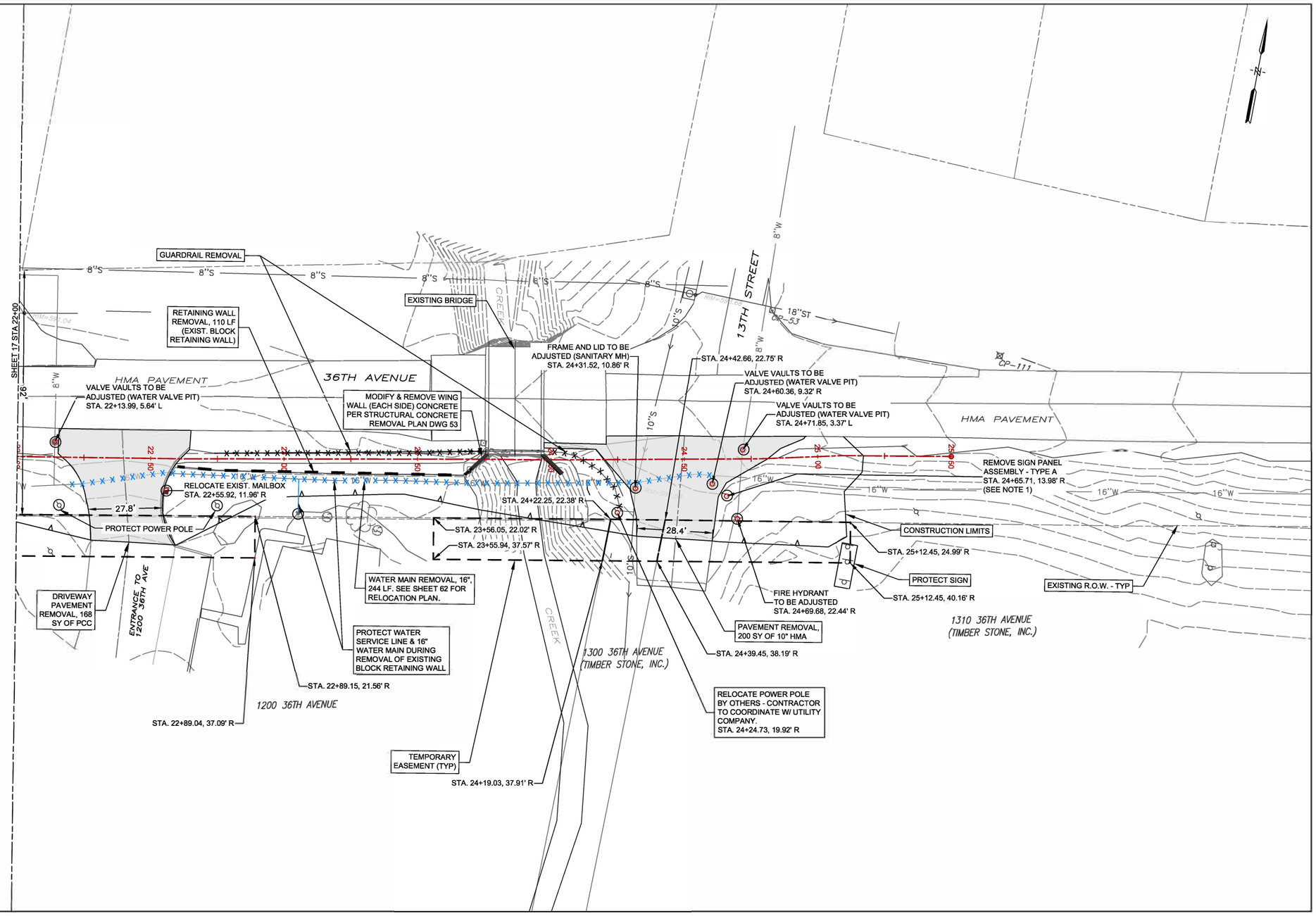
NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 17 OF 70

NOTES
1. SIGN TO BE REMOVED, STORED AND PROTECTED BY CONTRACTOR. RELOCATED SIGN TO BE REINSTALLED BY CITY. NO SEPARATE PAY ITEM INCLUDED FOR THIS WORK IN CONTRACT BID.



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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

RIGHT-OF-WAY & REMOVALS - STA. 22+00 TO STA. 25+50

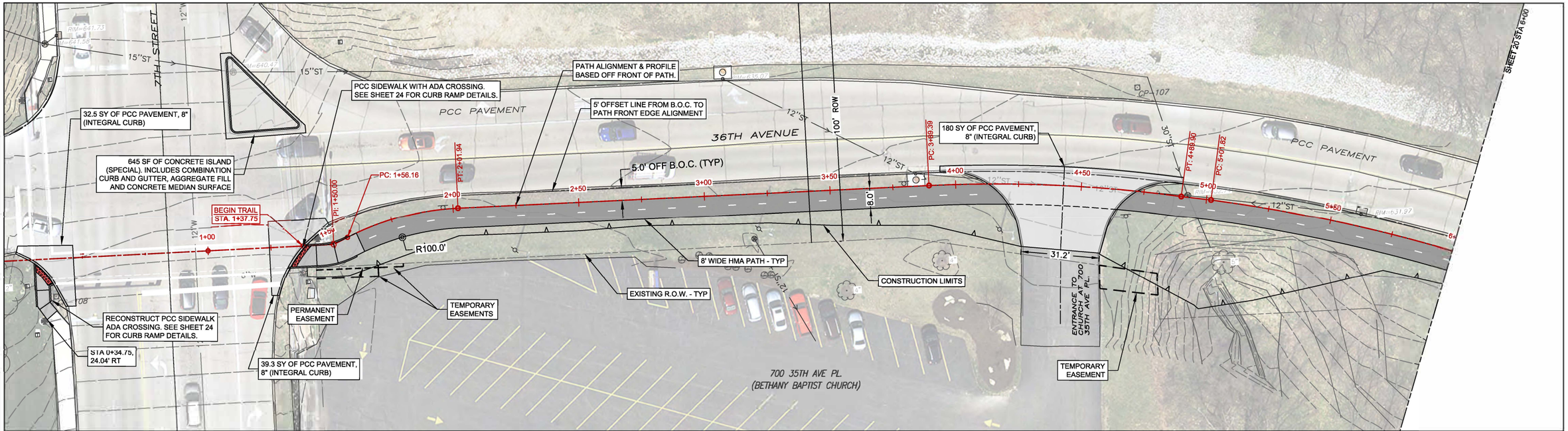
DATE	REVISION

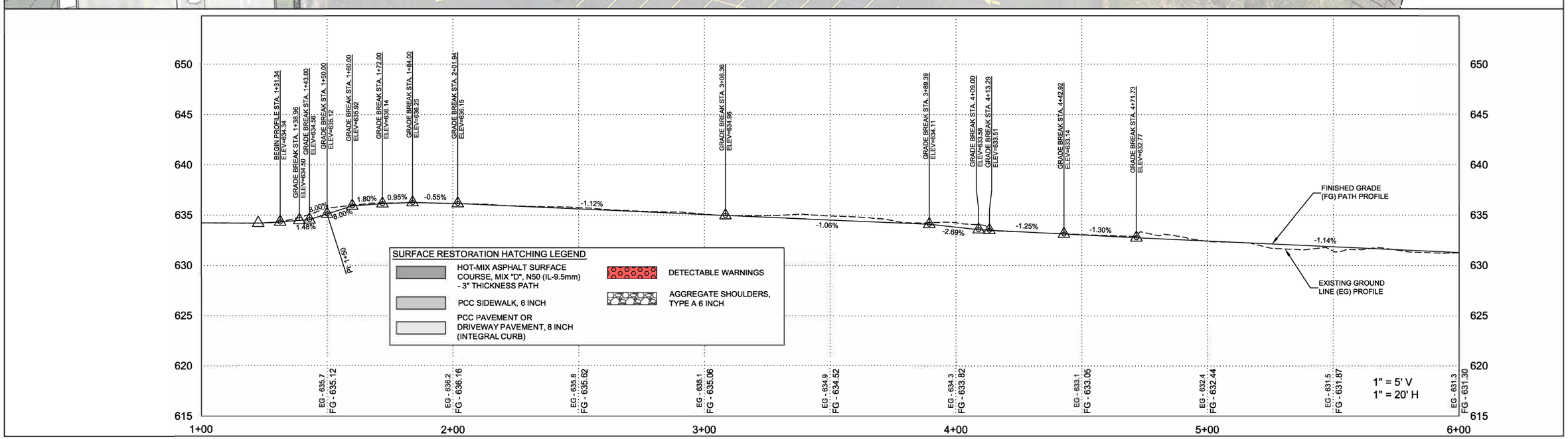
NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 18 OF 70





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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

PLAN & PROFILE - STA. 0+00 TO STA. 6+00

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date 3-21-2025
Project #3205
Designer EWL

SHEET 19 OF 70

X-REFS: 3205 Survey IL-83W & 3205 Aerial-Moline & 3205 Parcels
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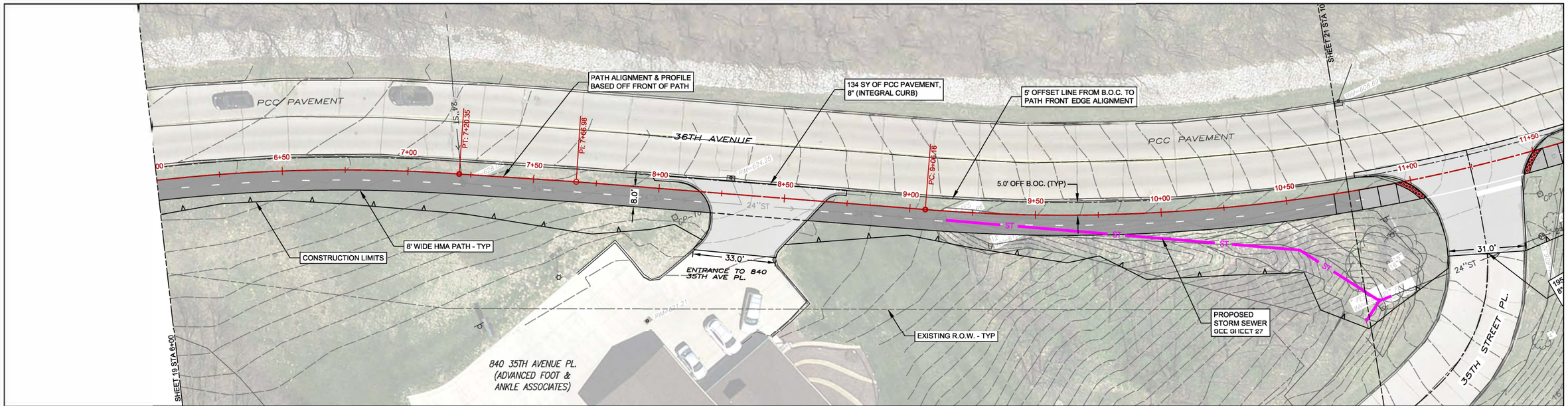

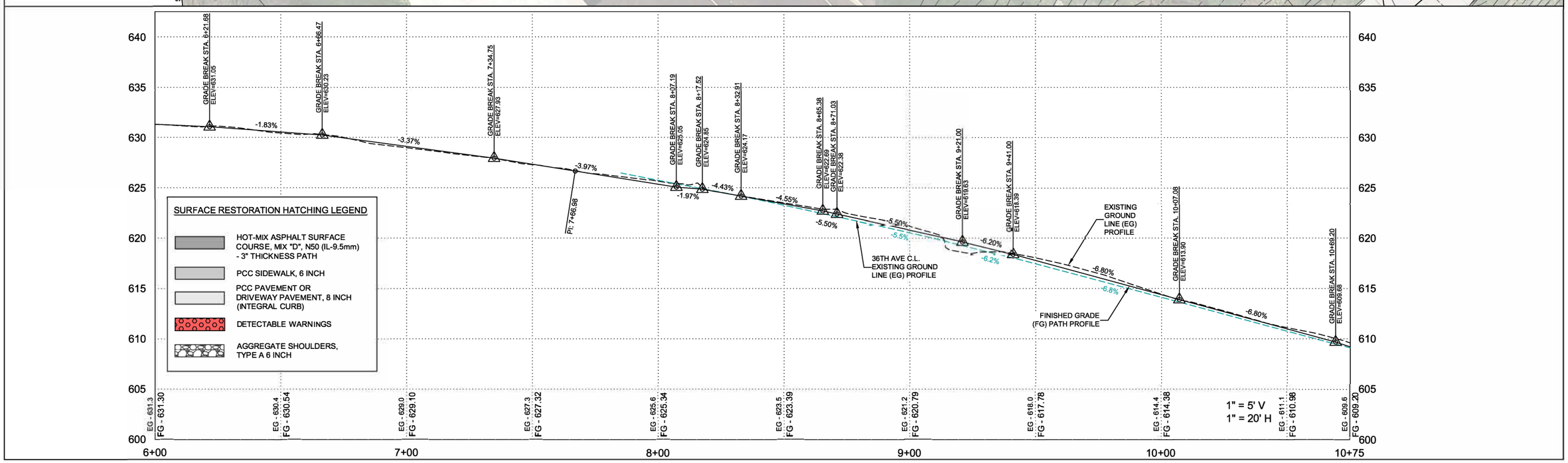

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

PLAN & PROFILE - STA. 6+00 TO STA. 10+75

DATE	REVISION

NORTH

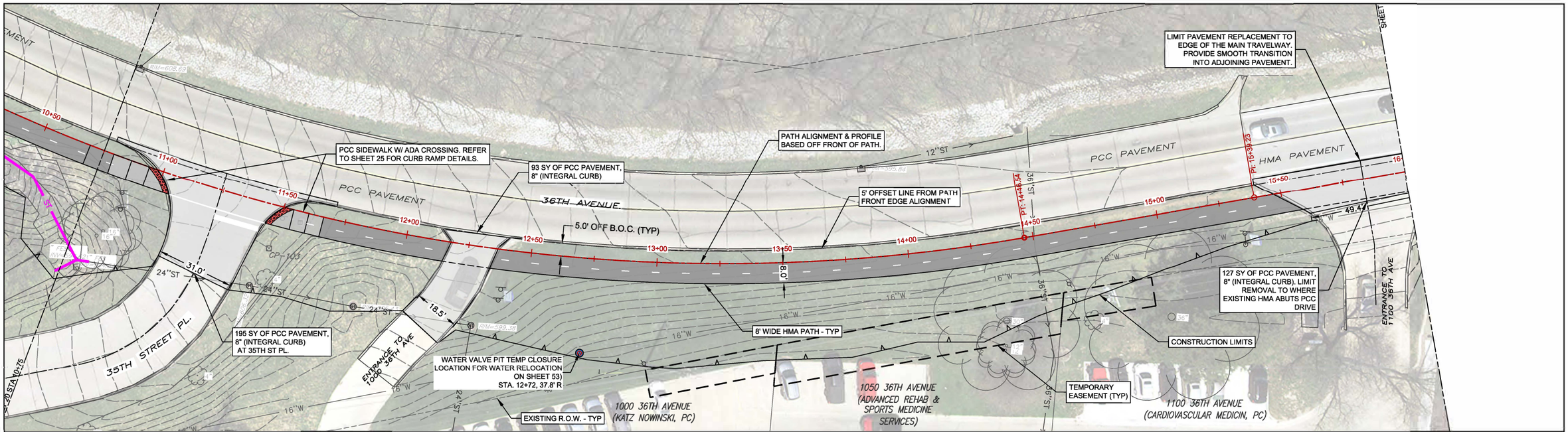
SCALED FOR 11"X17" PAPER

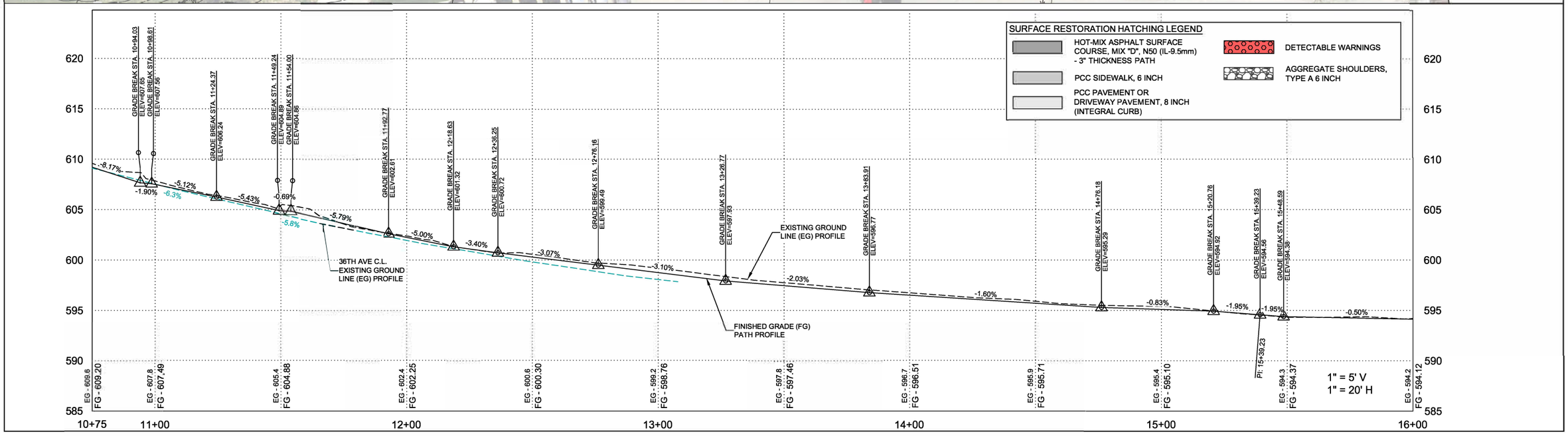
0 20' 40'

SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 20 OF 70





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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

PLAN & PROFILE - STA. 10+75 TO STA. 16+00

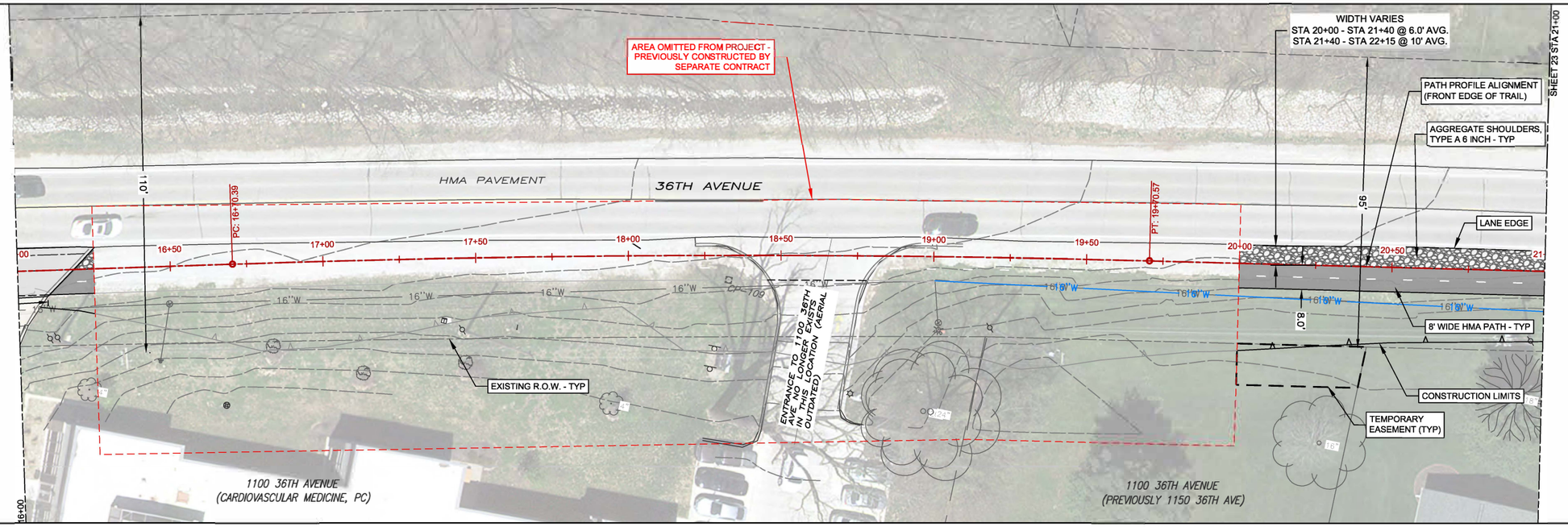
DATE	REVISION

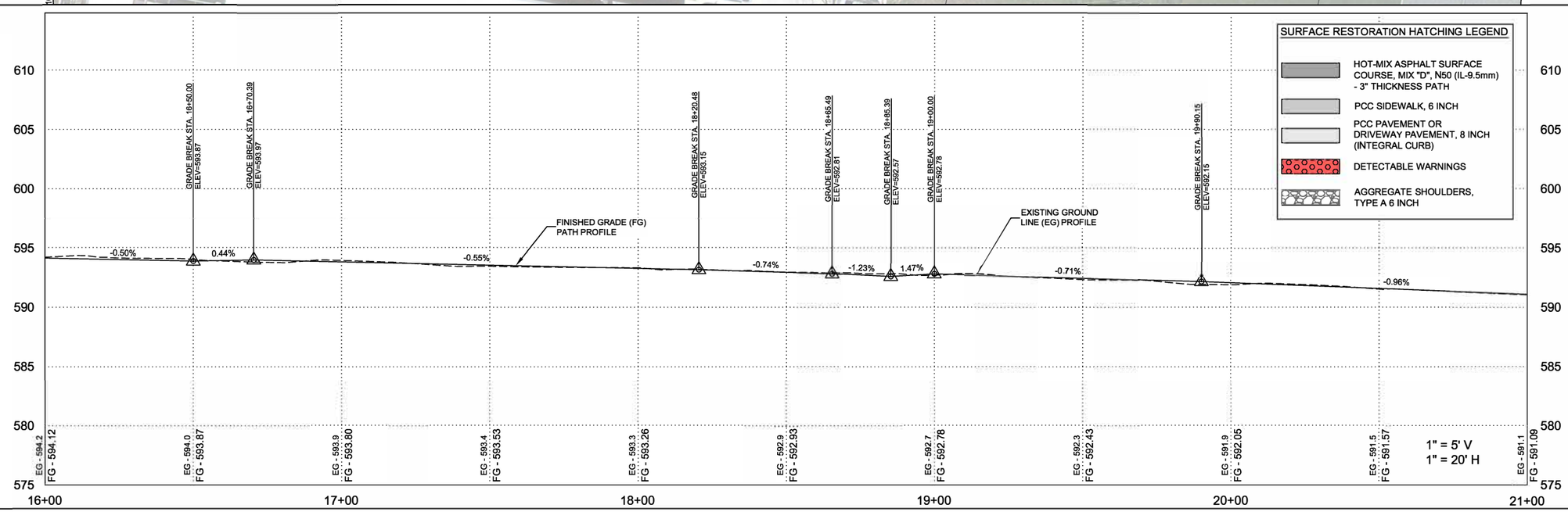
NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date 3-21-2025
Project #3205
Designer EWL

SHEET 21 OF 70





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Rock Island, IL 61201
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

PLAN & PROFILE - STA. 16+00 TO STA. 21+00

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date 3-21-2025
Project #3205
Designer EWL

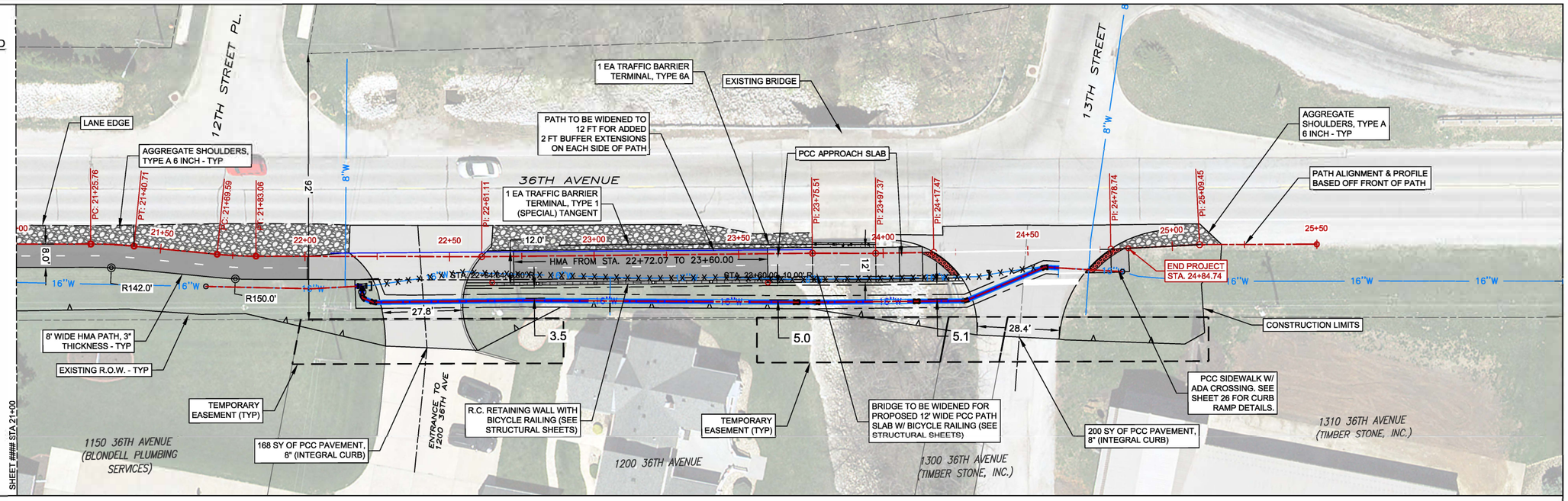
SHEET 22 OF 70

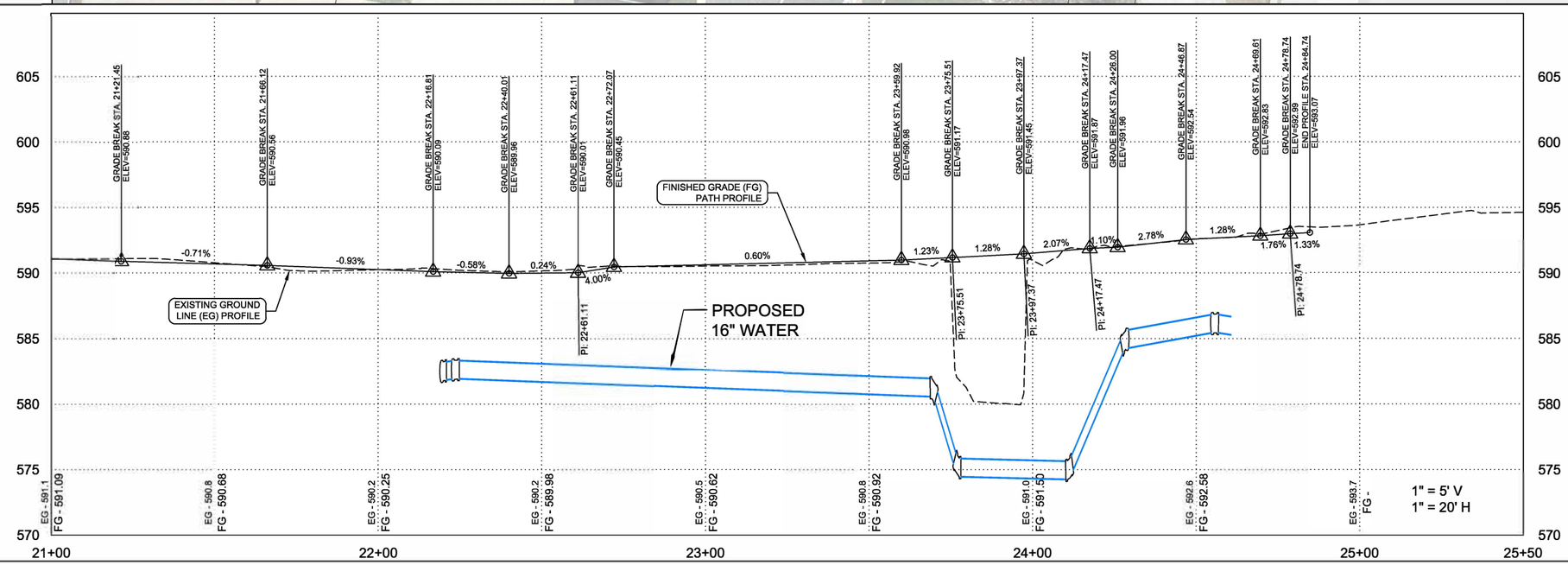
PLOTTED: Tuesday, March 25, 2025 11:25:00 AM
X-REFS: 3205 Survey IL-83W & 3205 Aerial-Moline & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_REPORT DRAWINGS\3205 PLAN & PROFILE REPORT ALIGN EDIT

PLOTTED: Monday, June 9, 2025 3:57:07 PM

SURFACE RESTORATION HATCHING LEGEND

- HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N50 (IL-9.5mm) - 3" THICKNESS PATH
- PCC SIDEWALK, 6 INCH
- PCC PAVEMENT OR DRIVEWAY PAVEMENT, 8 INCH (INTEGRAL CURB)
- DETECTABLE WARNINGS
- AGGREGATE SHOULDERS, TYPE A 6 INCH





X-REFS: 3205 Survey IL-83W & 3205 Aerial-Moline & 3205 Parcels
FILE PATH: Z:\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_REPORT DRAWINGS\3205 PLAN & PROFILE REPORT ALIGN EDIT

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
(309) 524-2350
3635 4TH AVENUE, MOLINE, IL 61265

VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

PLAN & PROFILE - STA. 21+00 TO STA. 25+50

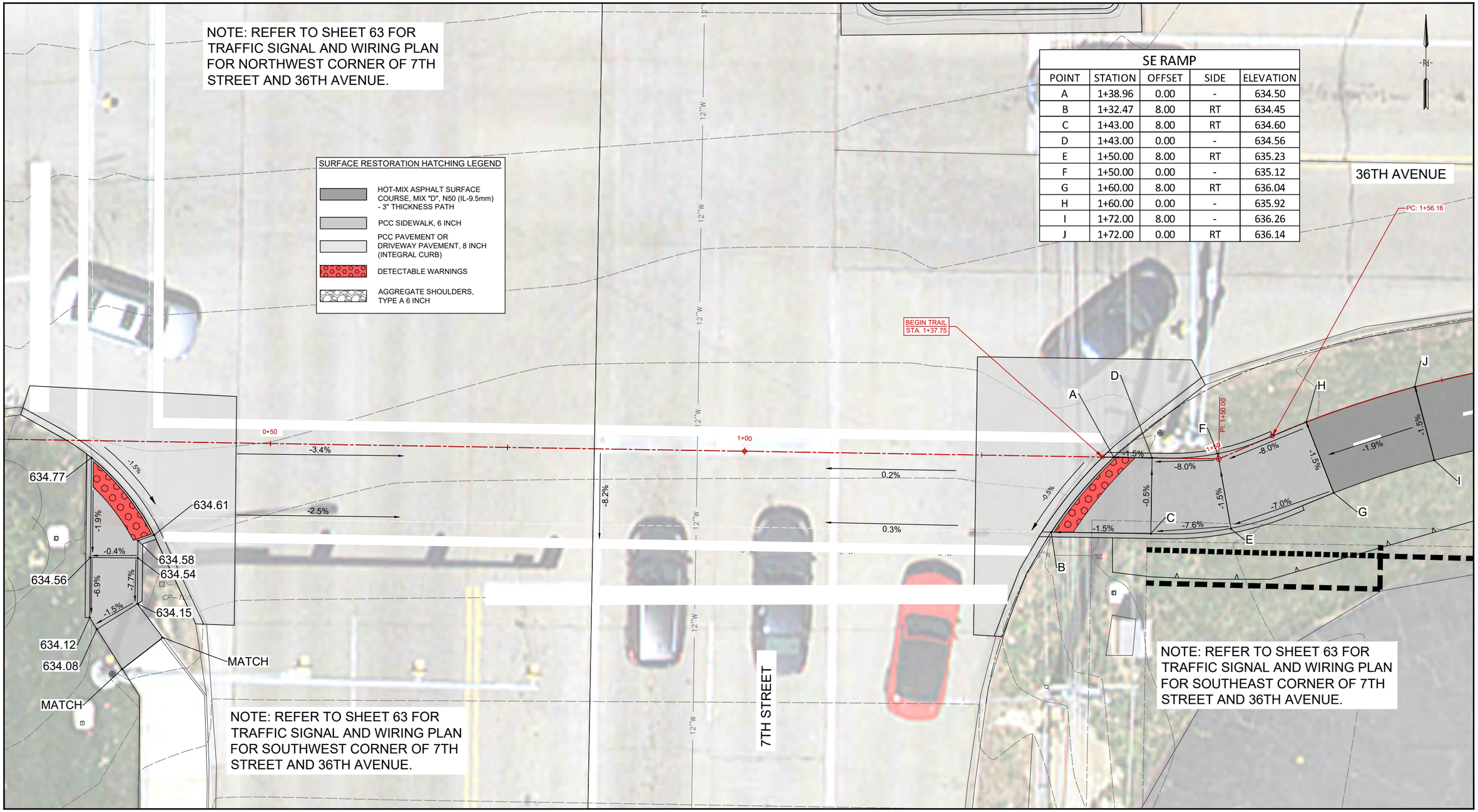
DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 23 OF 70



SE RAMP				
POINT	STATION	OFFSET	SIDE	ELEVATION
A	1+38.96	0.00	-	634.50
B	1+32.47	8.00	RT	634.45
C	1+43.00	8.00	RT	634.60
D	1+43.00	0.00	-	634.56
E	1+50.00	8.00	RT	635.23
F	1+50.00	0.00	-	635.12
G	1+60.00	8.00	RT	636.04
H	1+60.00	0.00	-	635.92
I	1+72.00	8.00	-	636.26
J	1+72.00	0.00	RT	636.14

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

ADA CURB RAMP DETAILS - 7TH ST & 36TH AVE

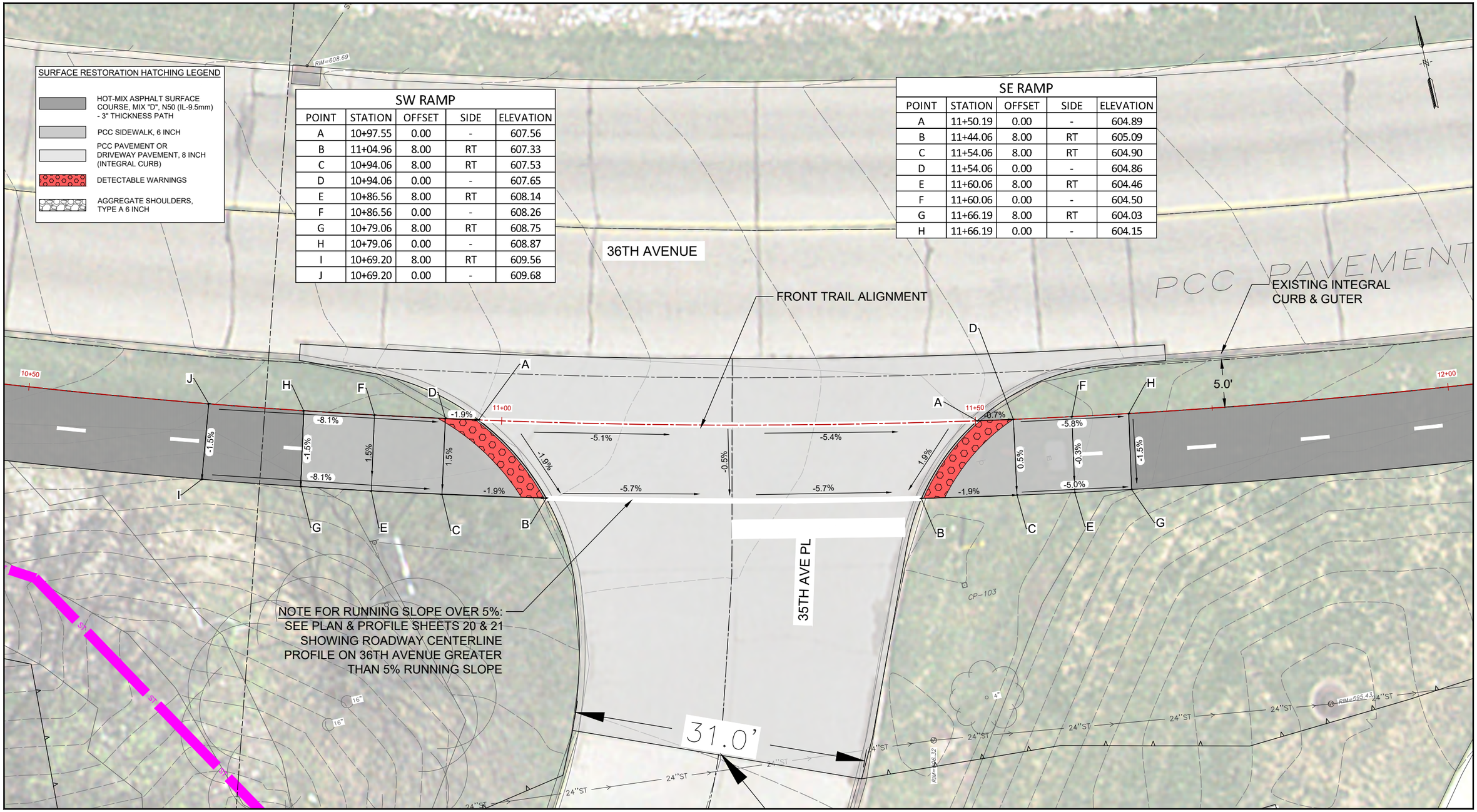
DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER
0' 5' 10'
SCALE: 1" = 10'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 24 OF 70



SW RAMP				
POINT	STATION	OFFSET	SIDE	ELEVATION
A	10+97.55	0.00	-	607.56
B	11+04.96	8.00	RT	607.33
C	10+94.06	8.00	RT	607.53
D	10+94.06	0.00	-	607.65
E	10+86.56	8.00	RT	608.14
F	10+86.56	0.00	-	608.26
G	10+79.06	8.00	RT	608.75
H	10+79.06	0.00	-	608.87
I	10+69.20	8.00	RT	609.56
J	10+69.20	0.00	-	609.68

SE RAMP				
POINT	STATION	OFFSET	SIDE	ELEVATION
A	11+50.19	0.00	-	604.89
B	11+44.06	8.00	RT	605.09
C	11+54.06	8.00	RT	604.90
D	11+54.06	0.00	-	604.86
E	11+60.06	8.00	RT	604.46
F	11+60.06	0.00	-	604.50
G	11+66.19	8.00	RT	604.03
H	11+66.19	0.00	-	604.15

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Rock Island, IL 61201
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

ADA CURB RAMP DETAILS - 35TH AVE PL & 36TH AVE

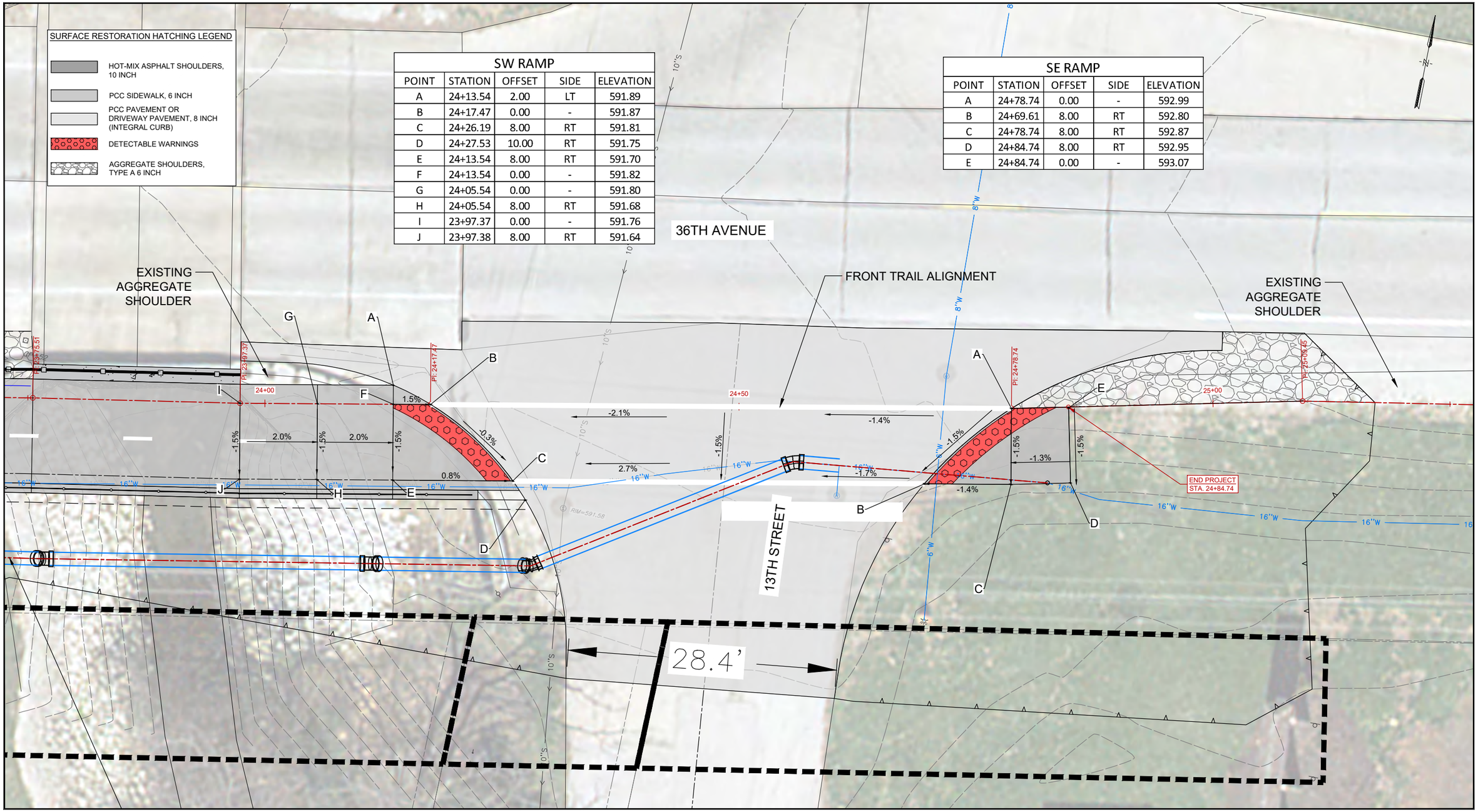
DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER
0' 5' 10'
SCALE: 1" = 10'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 25 OF 70



SW RAMP				
POINT	STATION	OFFSET	SIDE	ELEVATION
A	24+13.54	2.00	LT	591.89
B	24+17.47	0.00	-	591.87
C	24+26.19	8.00	RT	591.81
D	24+27.53	10.00	RT	591.75
E	24+13.54	8.00	RT	591.70
F	24+13.54	0.00	-	591.82
G	24+05.54	0.00	-	591.80
H	24+05.54	8.00	RT	591.68
I	23+97.37	0.00	-	591.76
J	23+97.38	8.00	RT	591.64

SE RAMP				
POINT	STATION	OFFSET	SIDE	ELEVATION
A	24+78.74	0.00	-	592.99
B	24+69.61	8.00	RT	592.80
C	24+78.74	8.00	RT	592.87
D	24+84.74	8.00	RT	592.95
E	24+84.74	0.00	-	593.07

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Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

ADA CURB RAMP DETAILS - 13TH ST & 36TH AVE

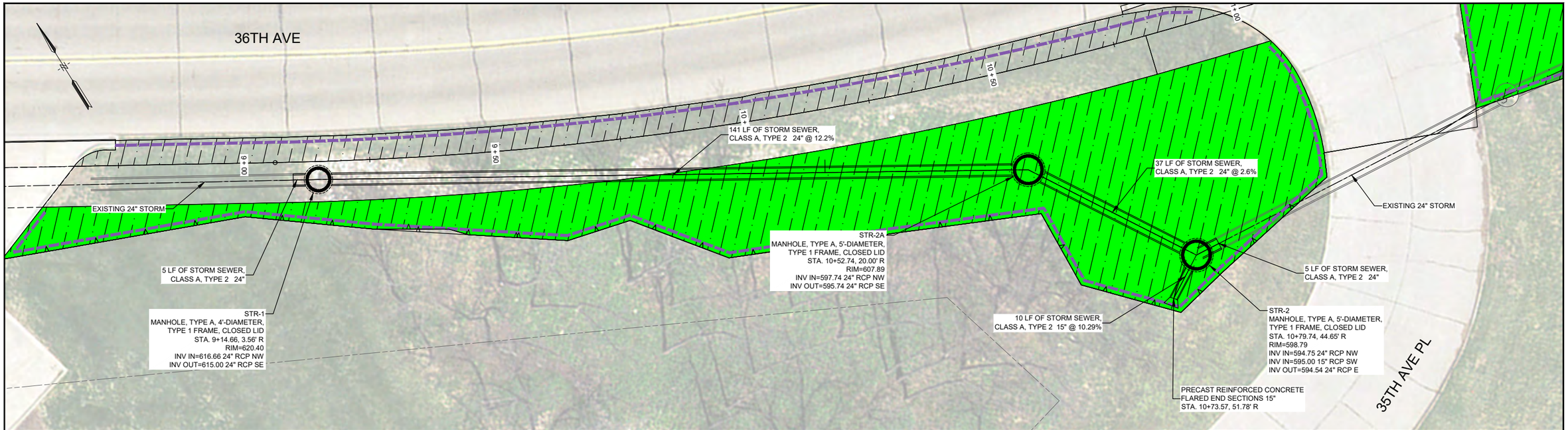
DATE	REVISION

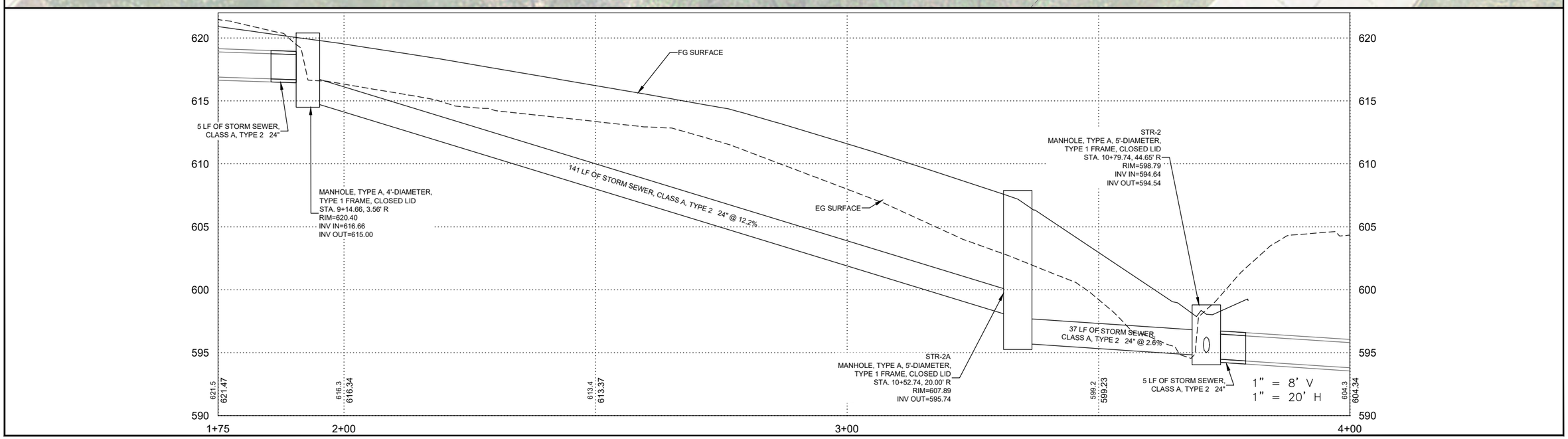
NORTH

SCALED FOR 11"X17" PAPER
0' 5' 10'
SCALE: 1" = 10'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 26 OF 70





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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

STORM SEWER PLAN & PROFILE

DATE	REVISION

NORTH

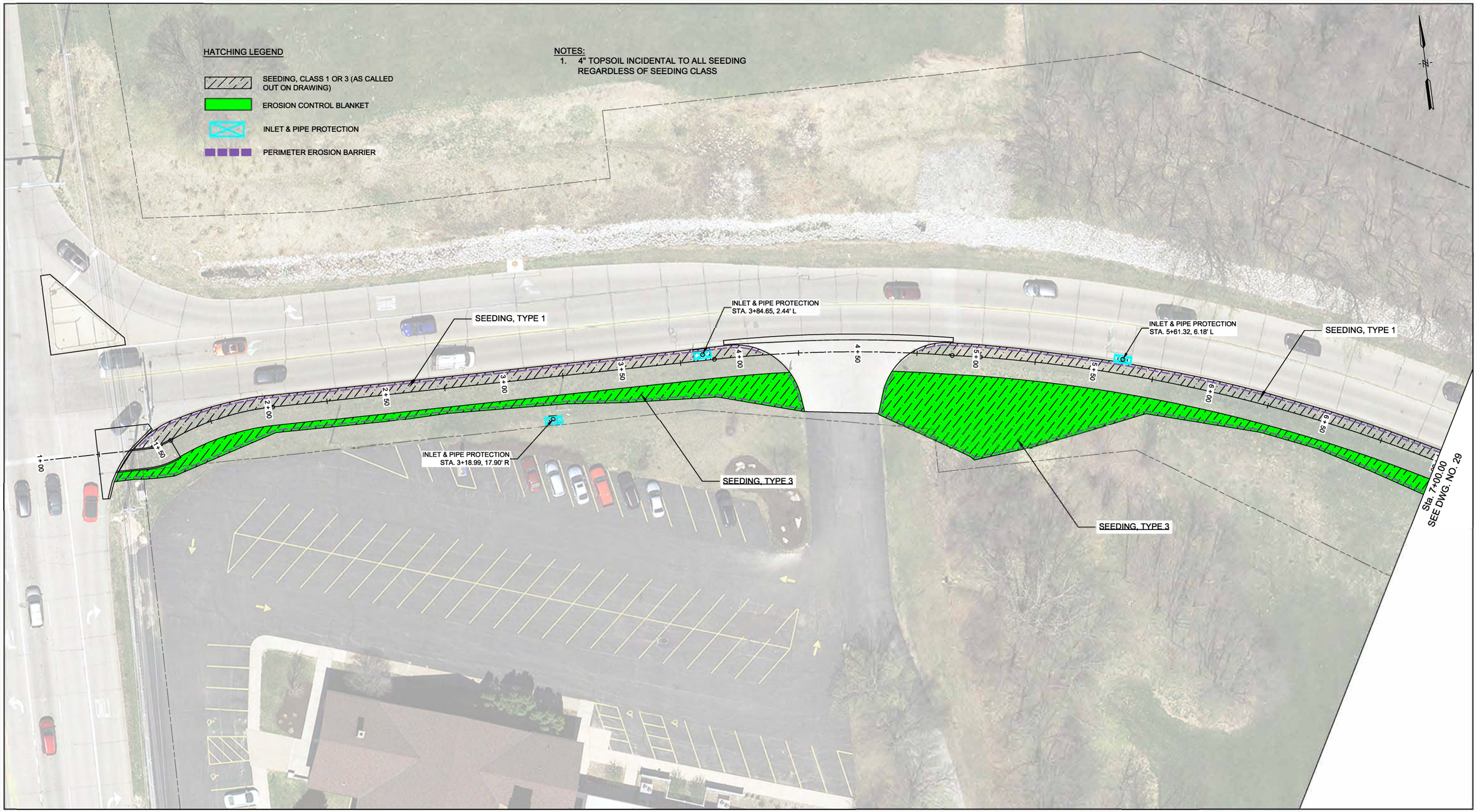
SCALED FOR 11"X17" PAPER

0 10' 20'

SCALE: 1" = 20'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 27 OF 70



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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EROSION CONTROL PLAN

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

0 20' 40'

SCALE: 1" = 40'

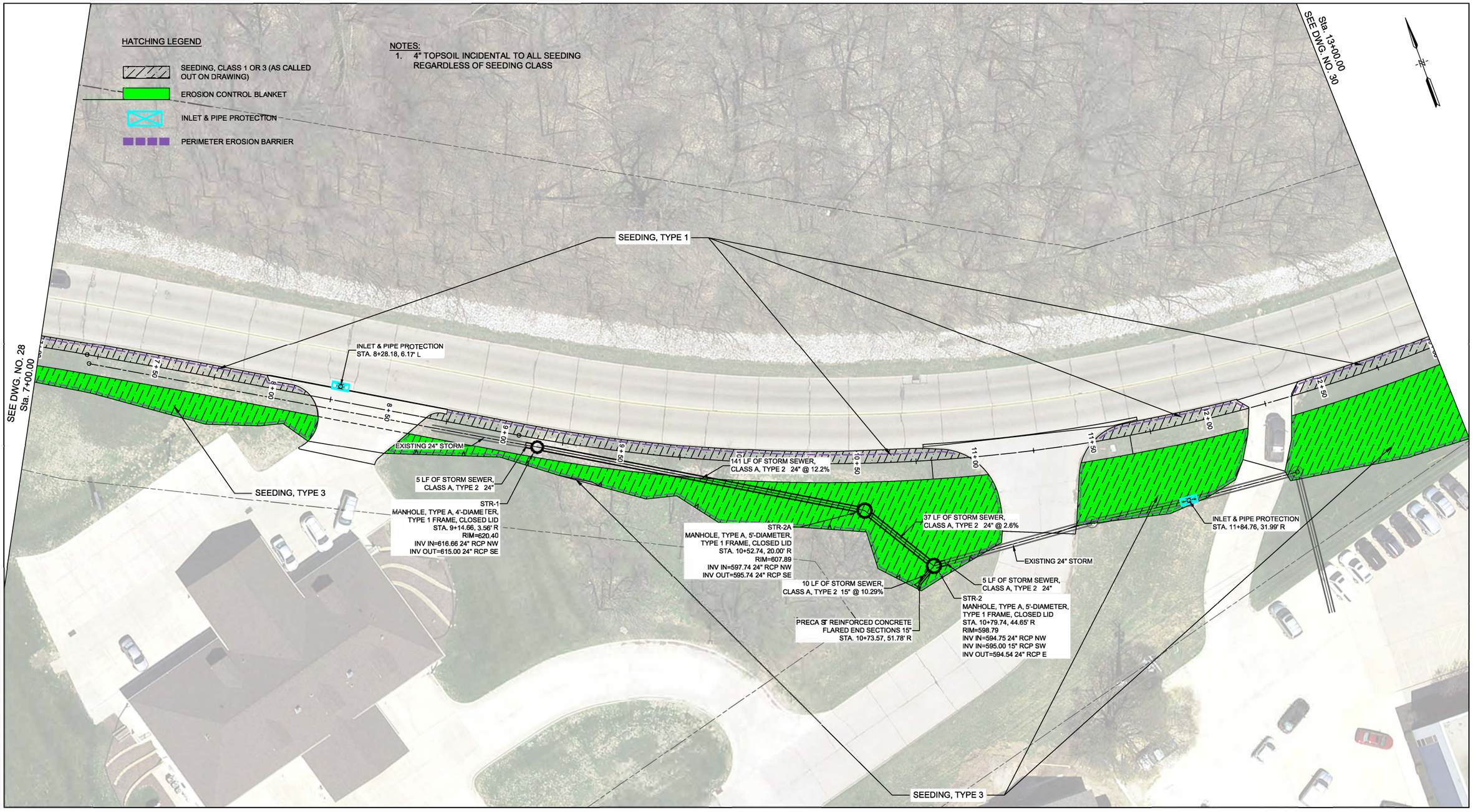
Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 28 OF 70

PLOTTED: Tuesday, March 25, 2025 11:31:16 AM

X-REFS: 3205 Aerial-Moline & 3205 Survey IL-83W & 3205 Parcels

FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_PRODUCTION DRAWINGS\3205 SEWER & UTILITIES



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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EROSION CONTROL PLAN

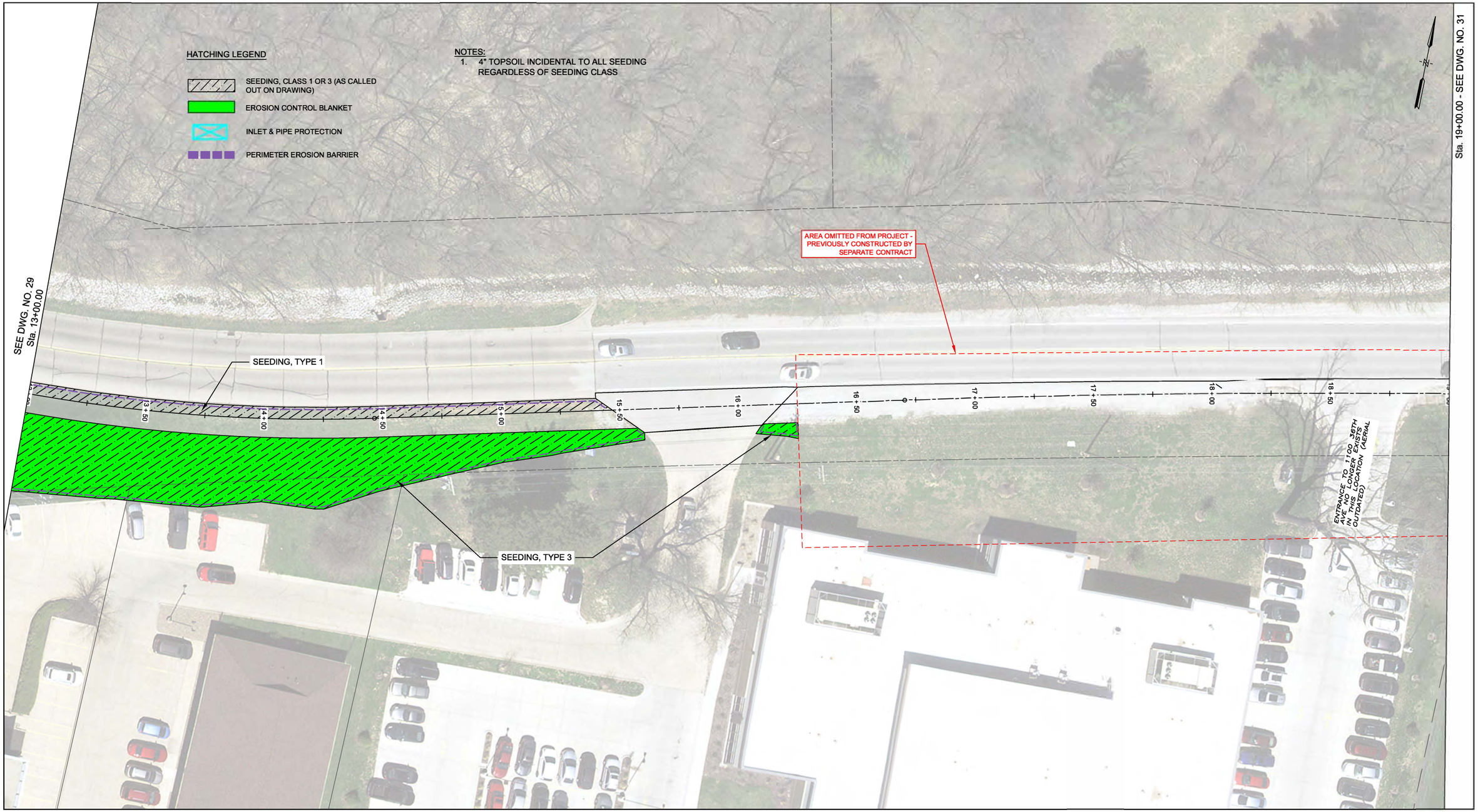
DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 29 OF 70



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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EROSION CONTROL PLAN

DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER

0 20' 40'

SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

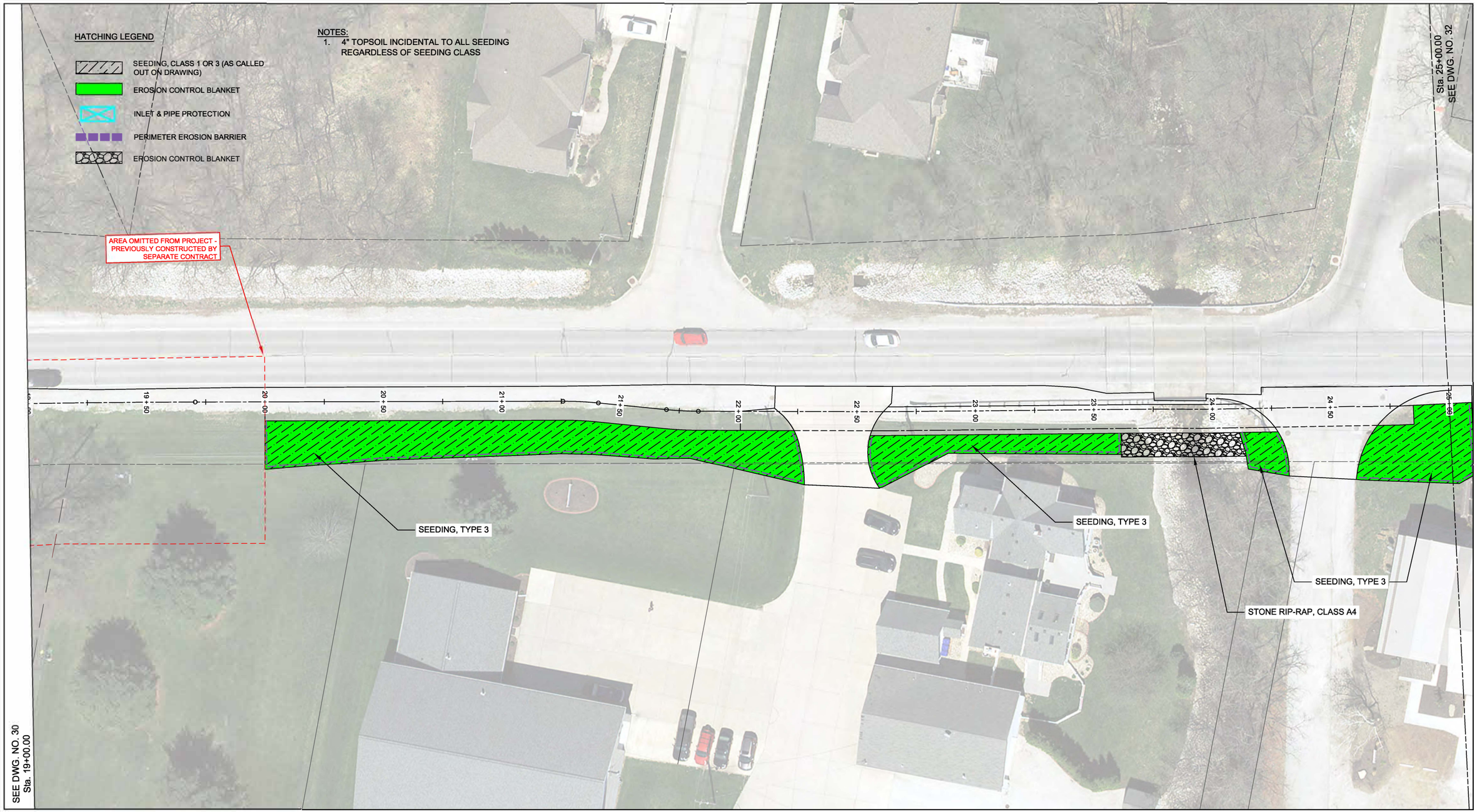
SHEET 30 OF 70

PLOTTED: Tuesday, March 25, 2025 11:31:33 AM

HATCHING LEGEND

- SEEDING, CLASS 1 OR 3 (AS CALLED OUT ON DRAWING)
- EROSION CONTROL BLANKET
- INLET & PIPE PROTECTION
- PERIMETER EROSION BARRIER
- EROSION CONTROL BLANKET

NOTES:
1. 4" TOPSOIL INCIDENTAL TO ALL SEEDING REGARDLESS OF SEEDING CLASS



X-REFS: 3205 Aerial-Moline & 3205 Survey IL-83W & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_PRODUCTION DRAWINGS\3205 SEWER & UTILITES

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Rock Island, IL 61201
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EROSION CONTROL PLAN

DATE	REVISION

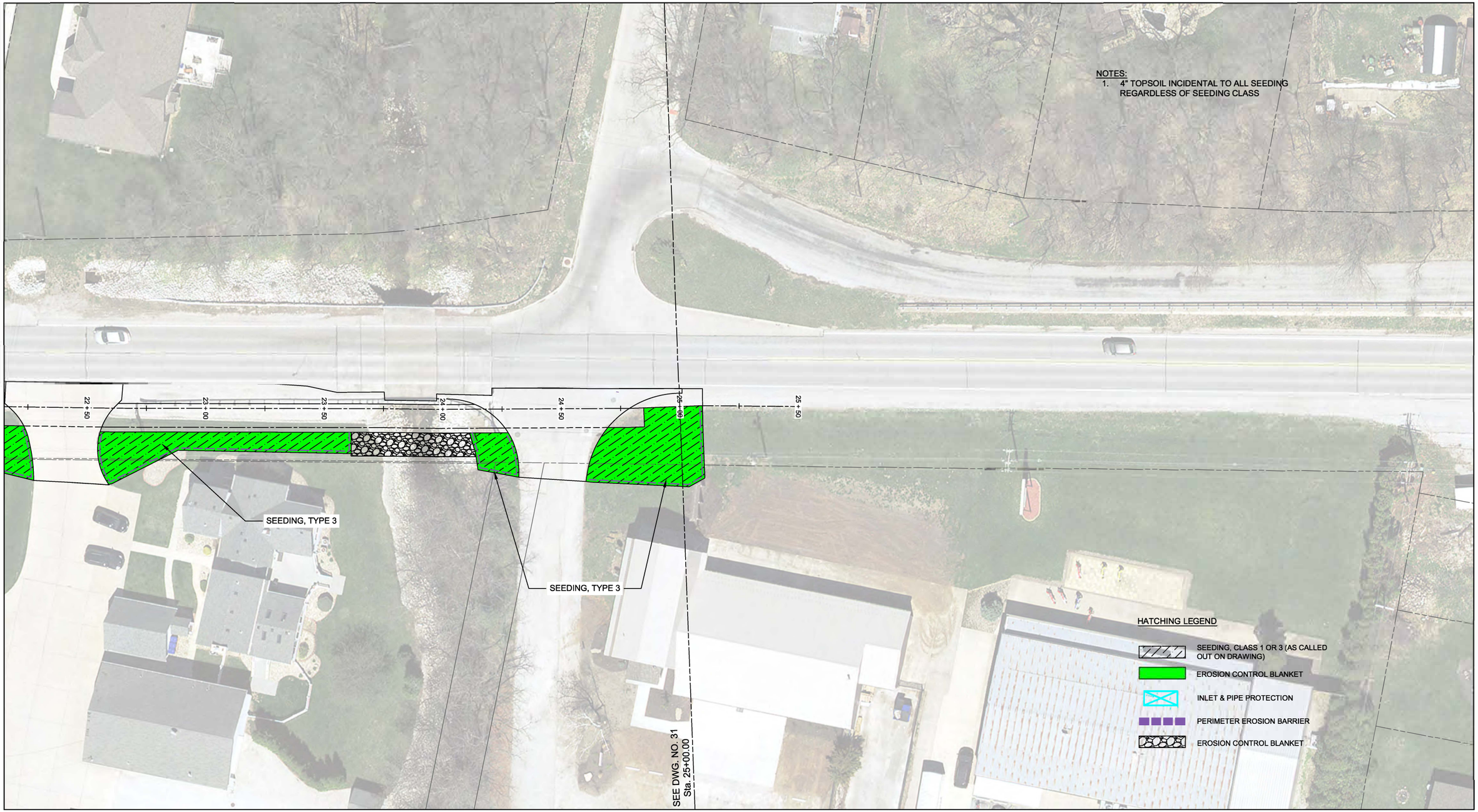
NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 31 OF 70

PLOTTED: Tuesday, March 25, 2025 11:31:39 AM



X-REFS: 3205 Aerial-Moline & 3205 Survey IL-83W & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_PRODUCTION DRAWINGS\3205 SEWER & UTILITIES

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
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1800 5th Avenue
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EROSION CONTROL PLAN

DATE	REVISION

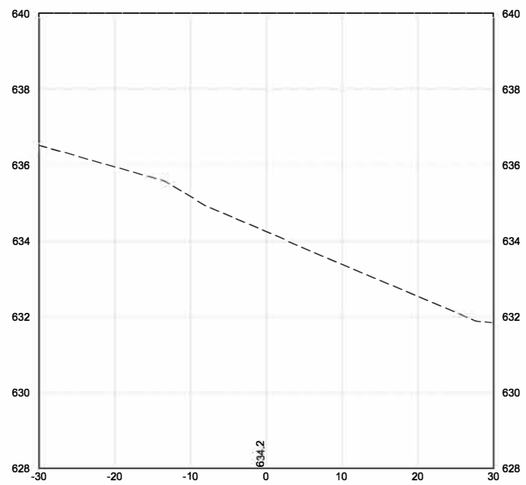
NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

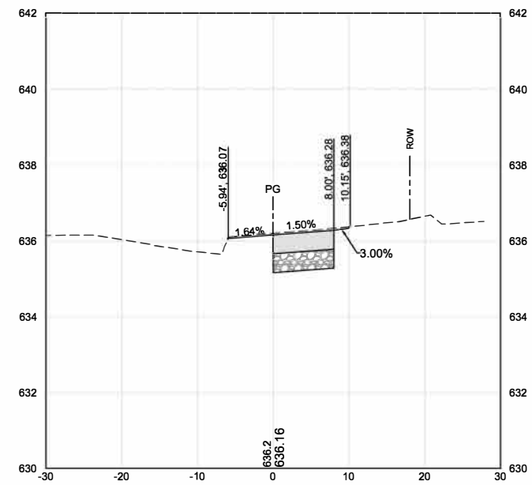
Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 32 OF 70

1+25.00



1+75.00



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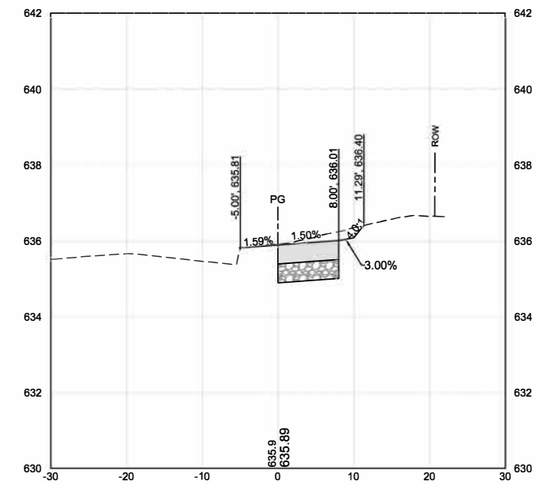

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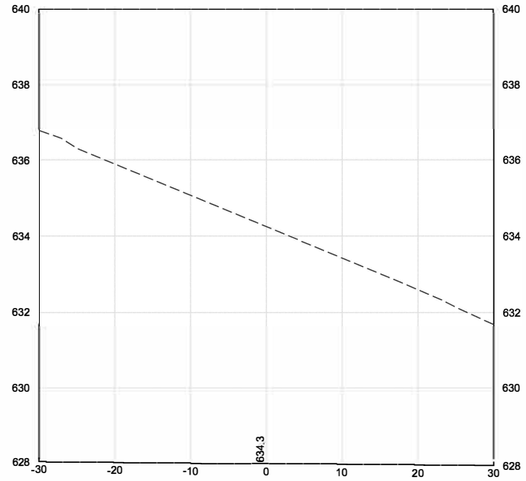
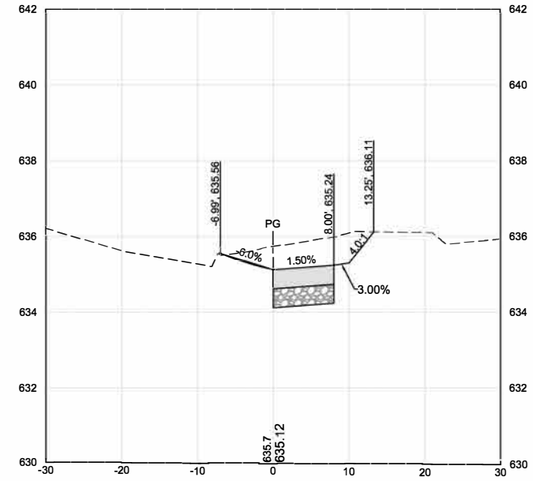
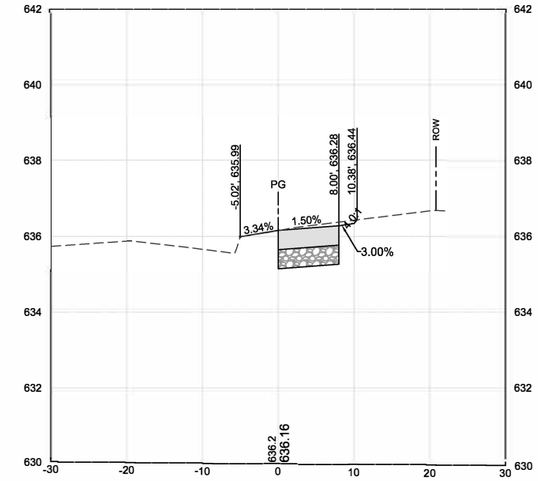


1+50.00



2+00.00



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Rock Island, IL 61201
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

NORTH

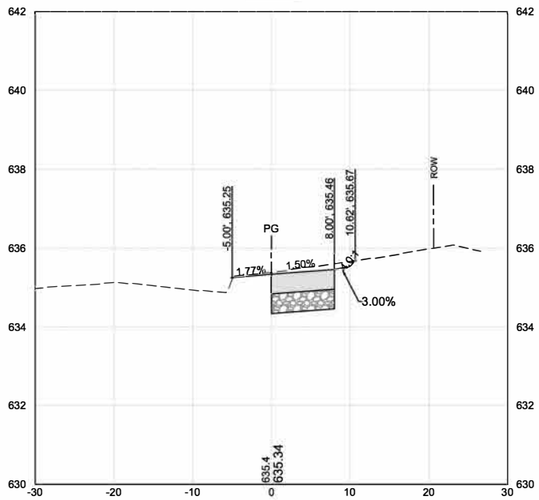
SCALED FOR 11"X17" PAPER

SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 33 OF 70

2+75.00



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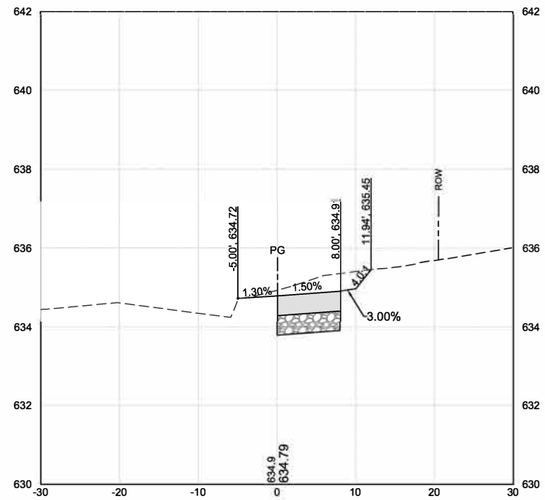

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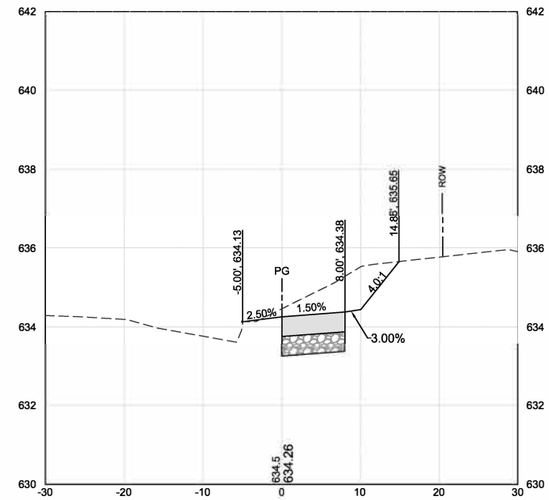

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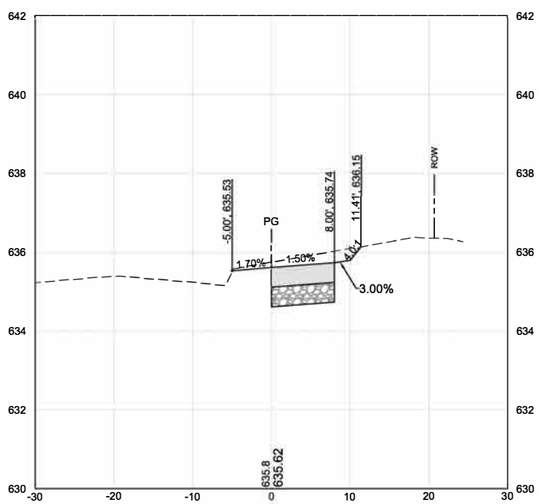

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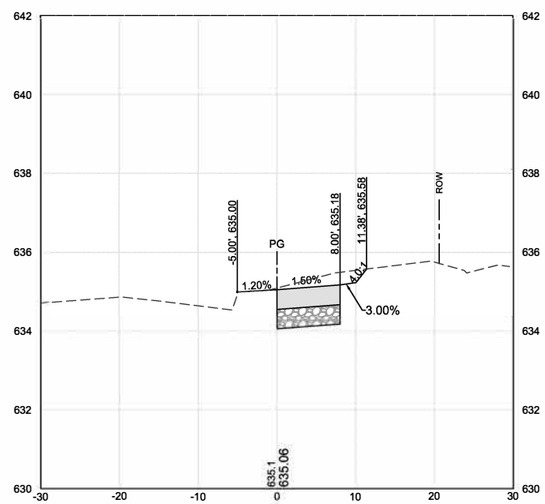
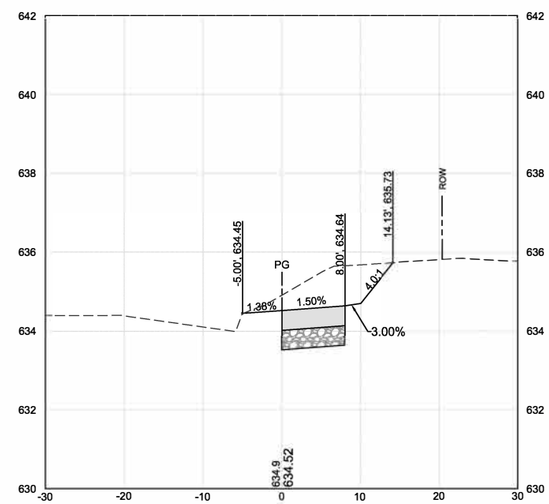


3+50.00



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Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

NORTH

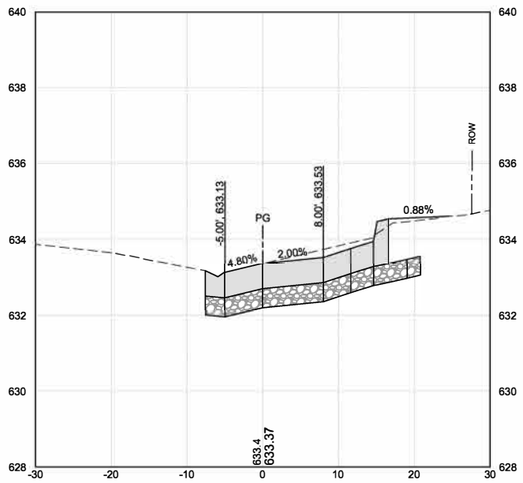
SCALED FOR 11"X17" PAPER

SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 34 OF 70

4+25.00



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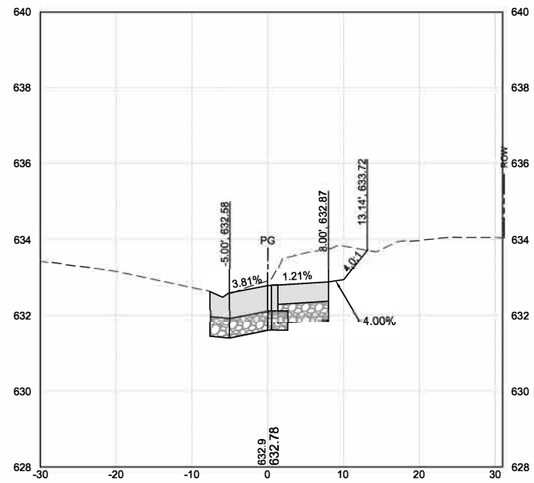

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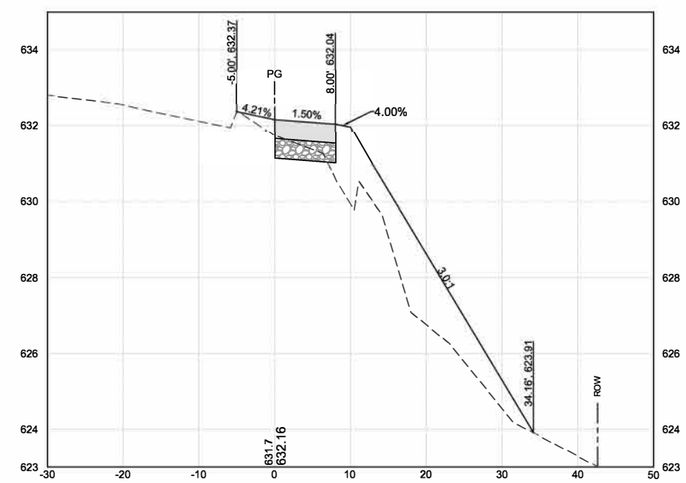

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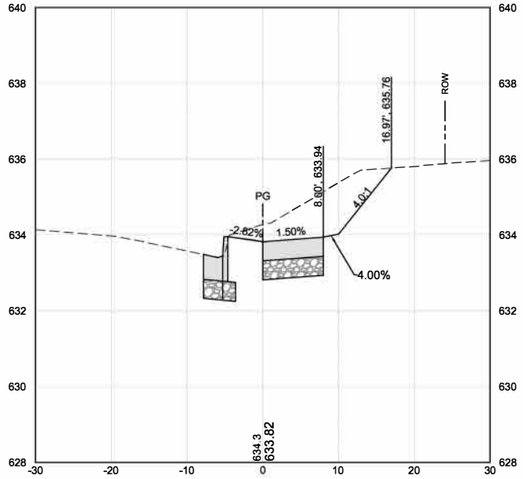

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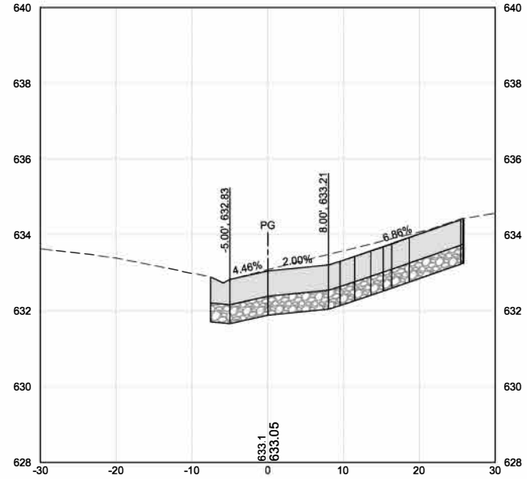
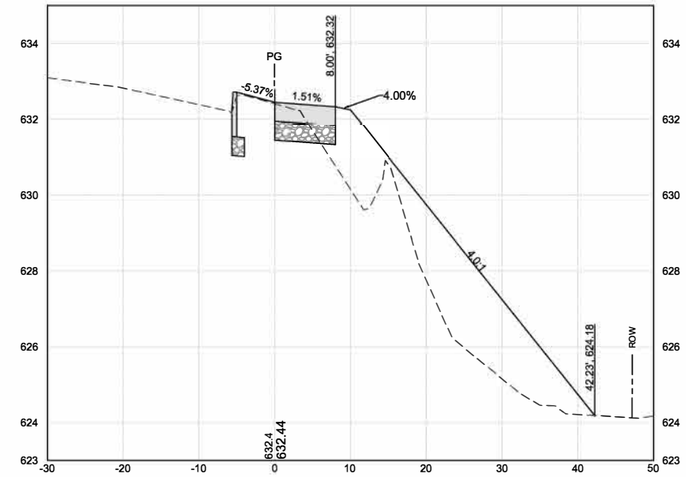


5+00.00



X-REFS: 3205 Aerial-Moline & 3205 Survey IL-83W & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_DESIGN DRAWINGS\3205 DESIGN - EARTHWORK

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

NORTH

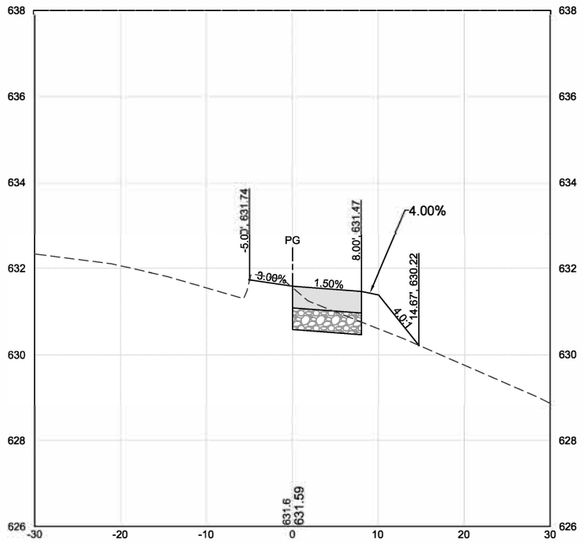
SCALED FOR 11"X17" PAPER

SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 35 OF 70

5+75.00



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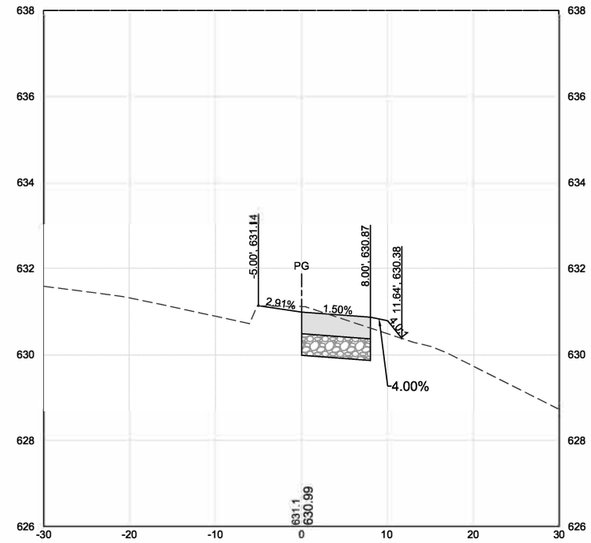

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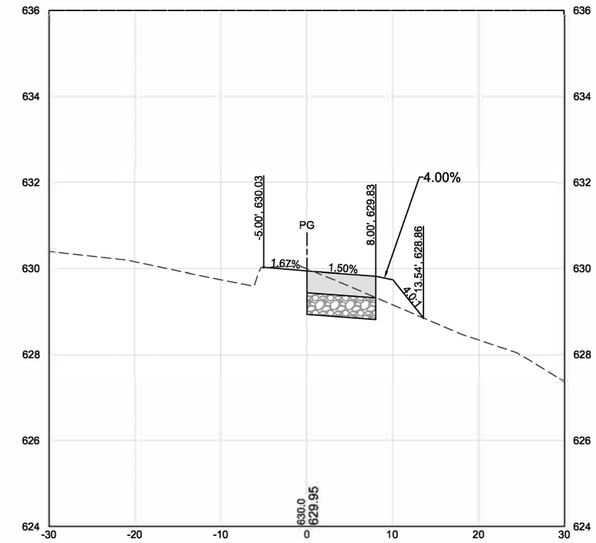

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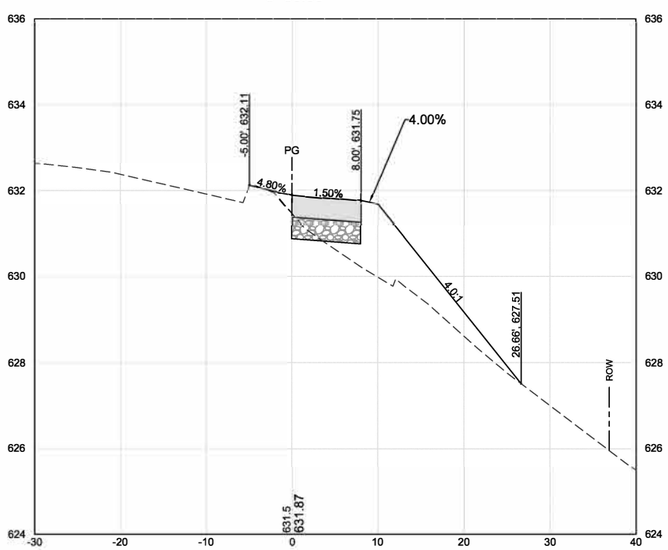

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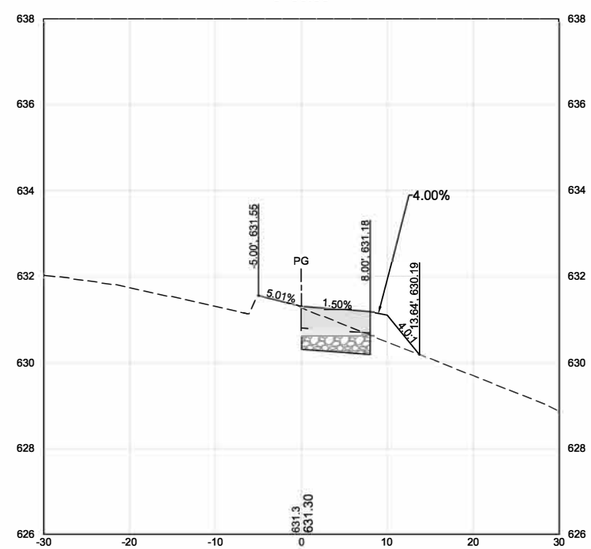

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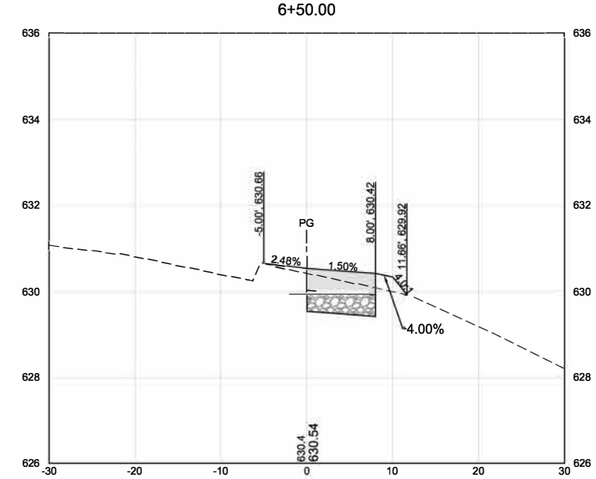

X-REFS: 3205 Aerial-Moline & 3205 Survey IL-83W & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_DESIGN DRAWINGS\3205 DESIGN - EARTHWORK

CITY OF MOLINE
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3635 4TH AVENUE, MOLINE, IL 61265

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

NORTH

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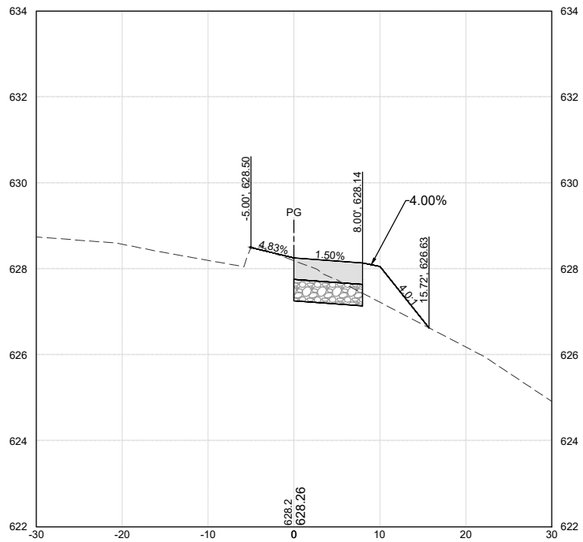
SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 36 OF 70

7+25.00



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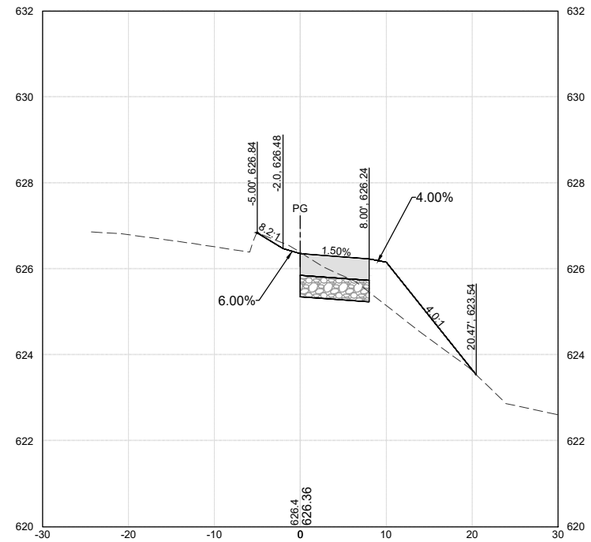

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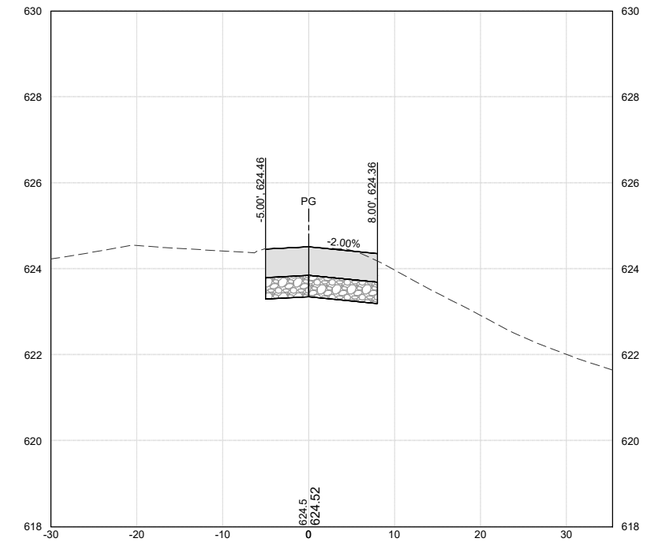

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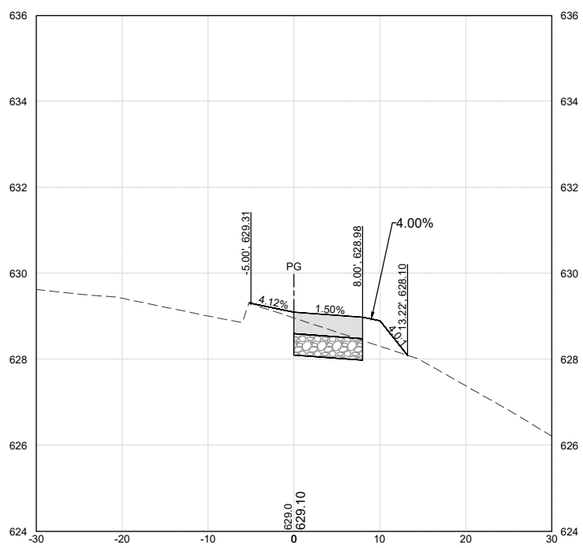

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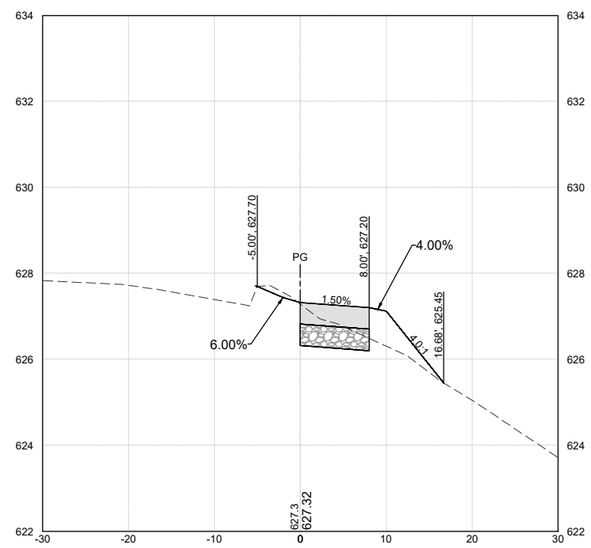

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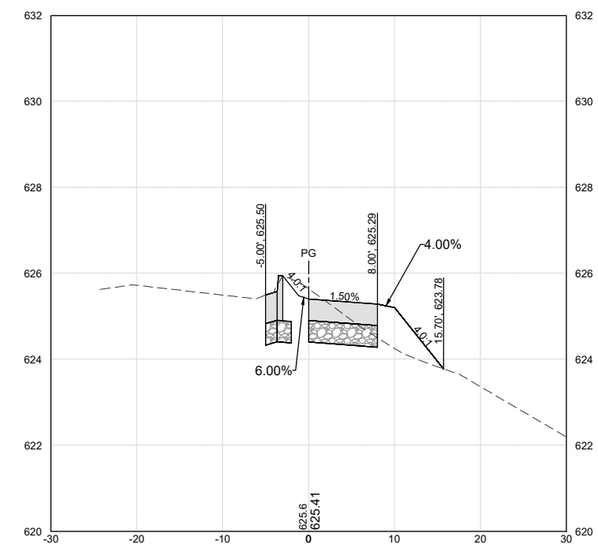

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

NORTH

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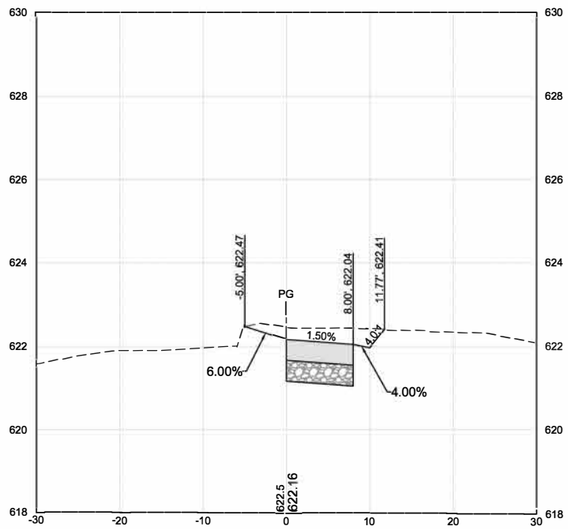
SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 37 OF 70

8+75.00



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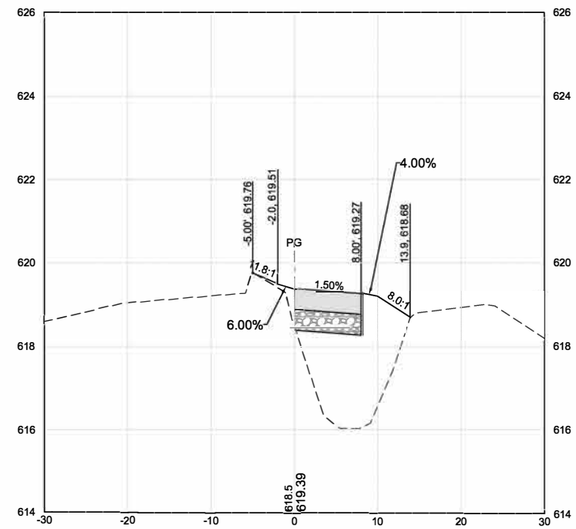

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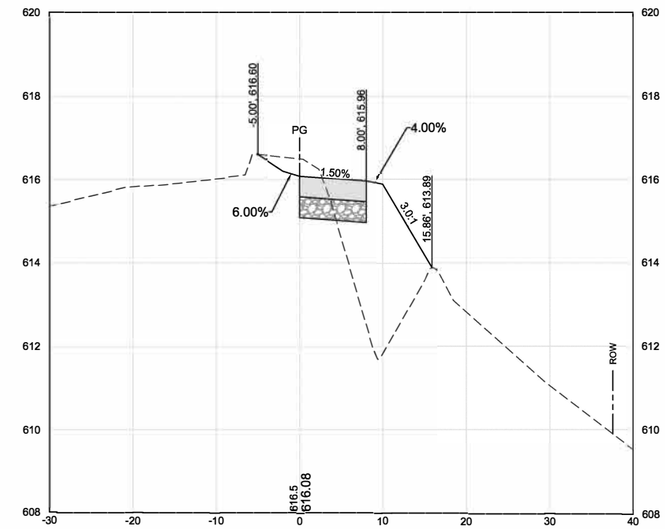

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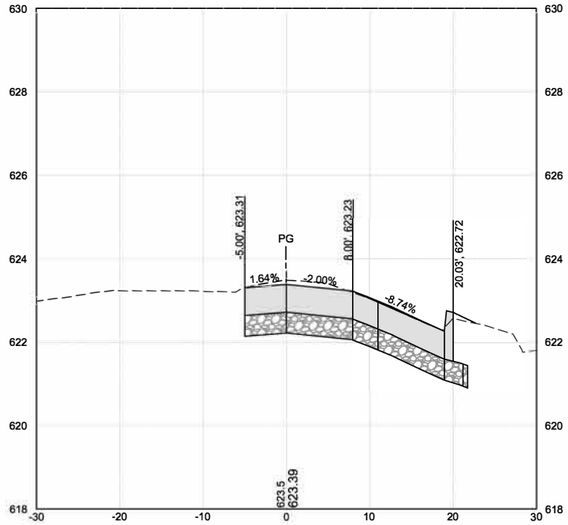

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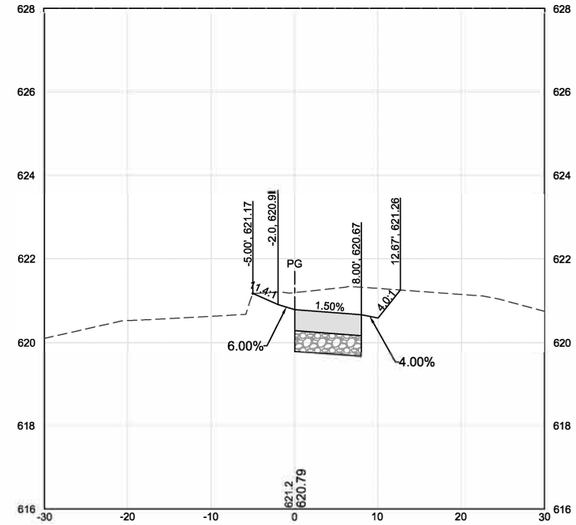

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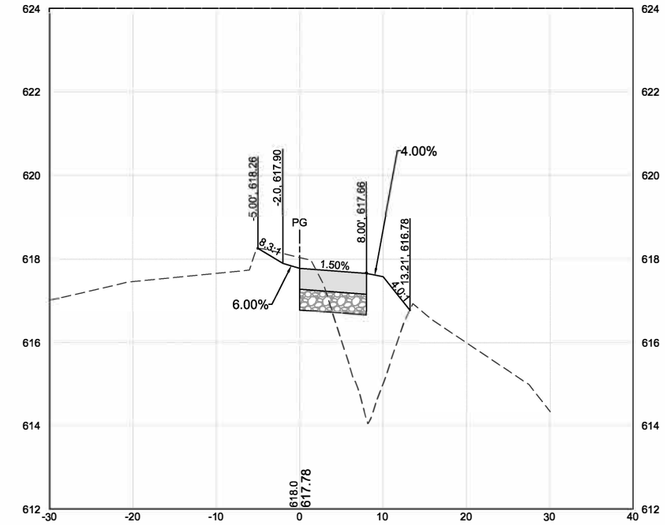

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

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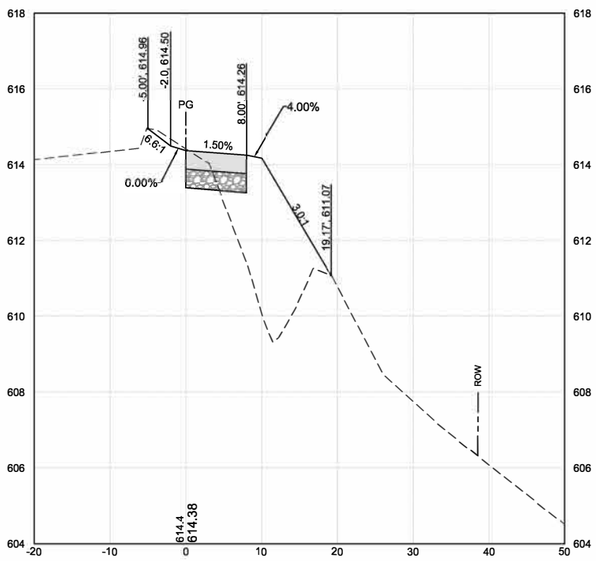
SCALE: --

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 38 OF 70

10+00.00



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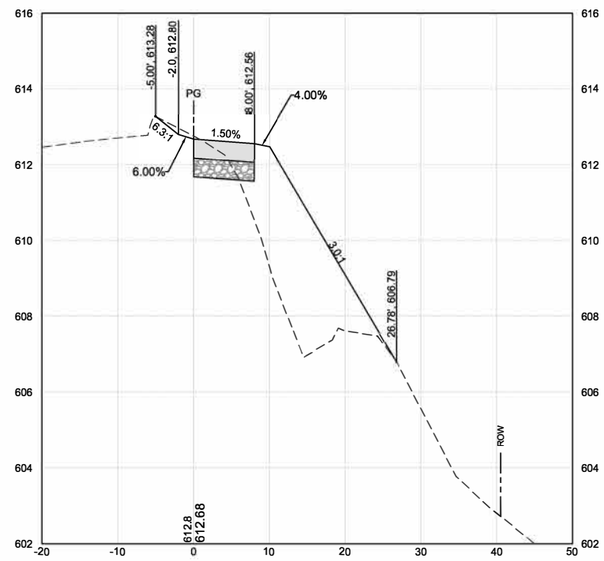

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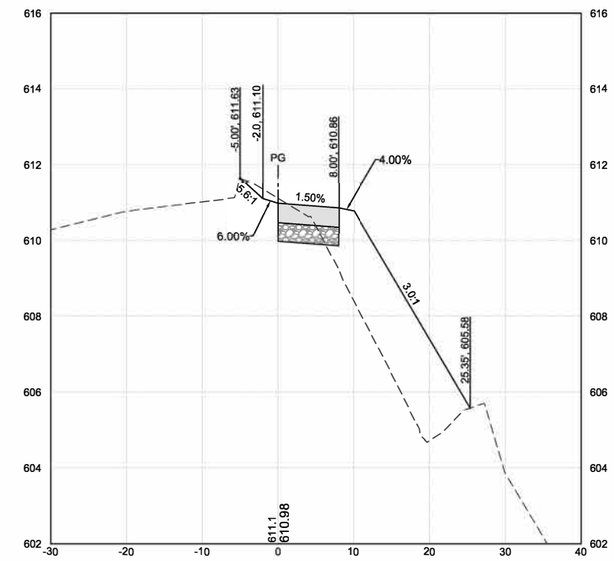

X-REFS: 3205 Aerial-Moline & 3205 Survey IL-83W & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_DESIGN DRAWINGS\3205 DESIGN - EARTHWORK

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36TH AVENUE BIKE PATH

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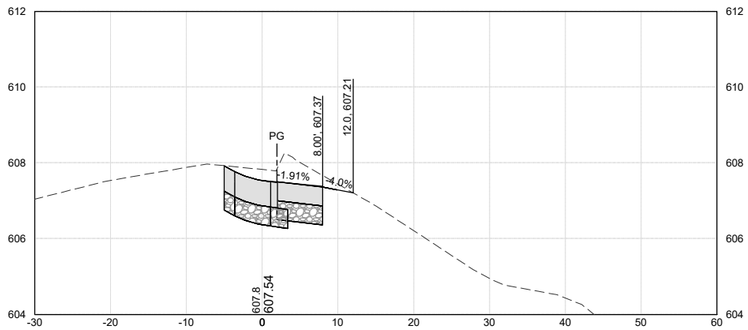
Date 3-21-2025

Project #3205

Designer EWL

SHEET 39 OF 70

11+00.00



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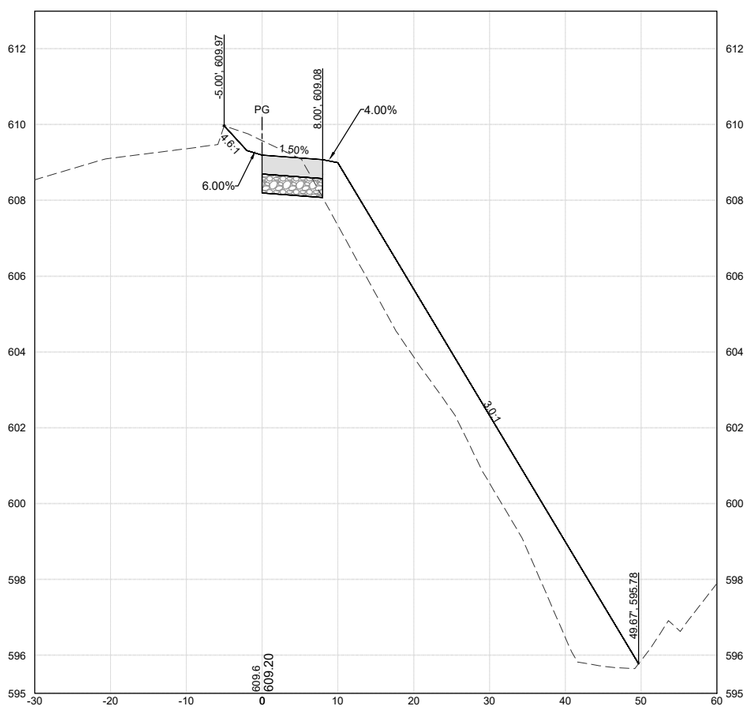

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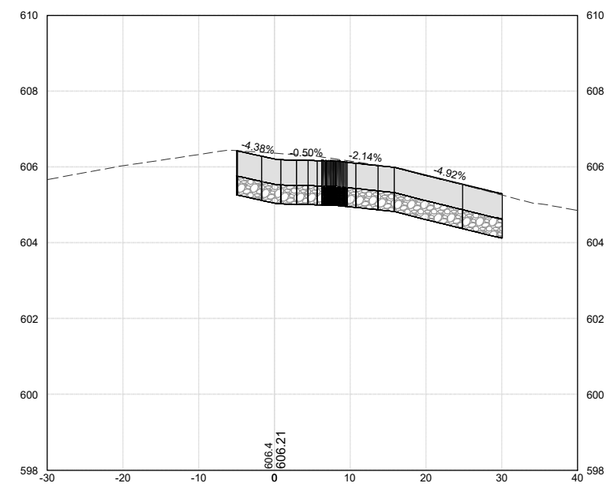

X-REFS: 3205 Aerial-Moline & 3205 Survey IL-83W & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_DESIGN DRAWINGS\3205 DESIGN - EARTHWORK

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

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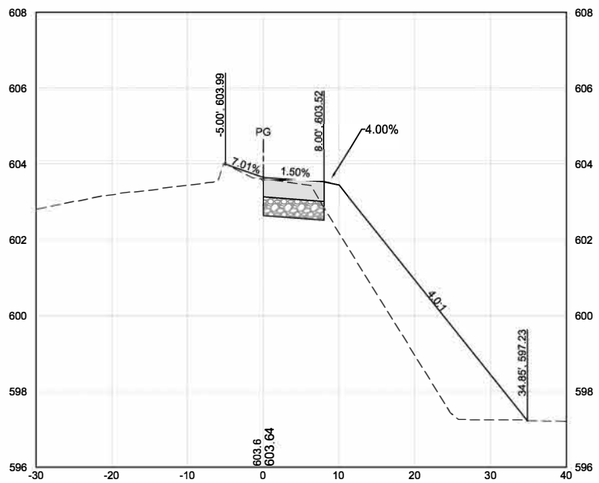
Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 40 OF 70

11+75.00



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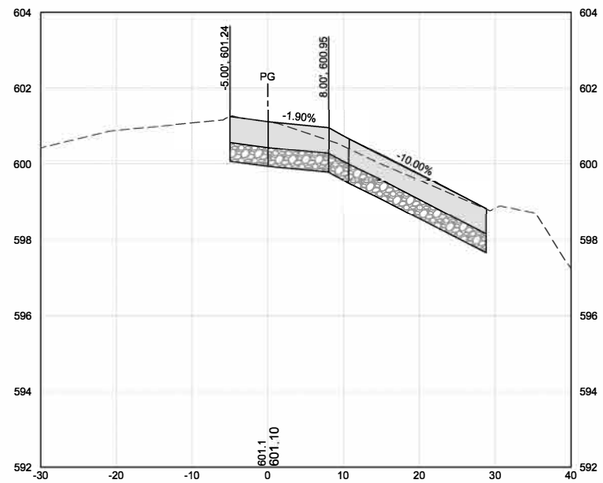

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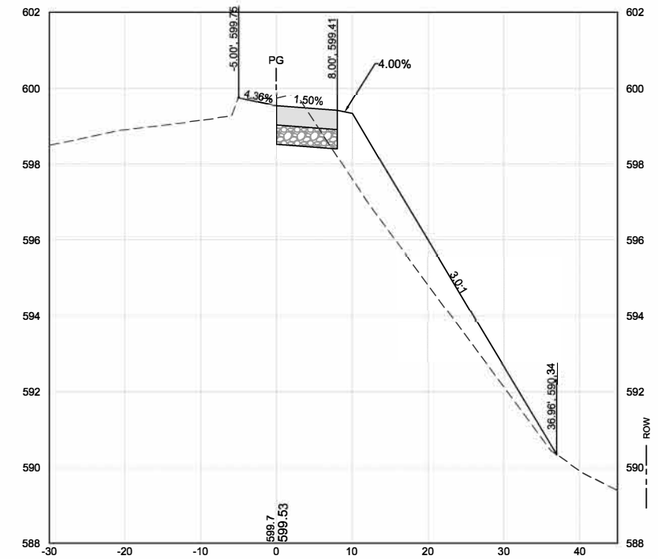

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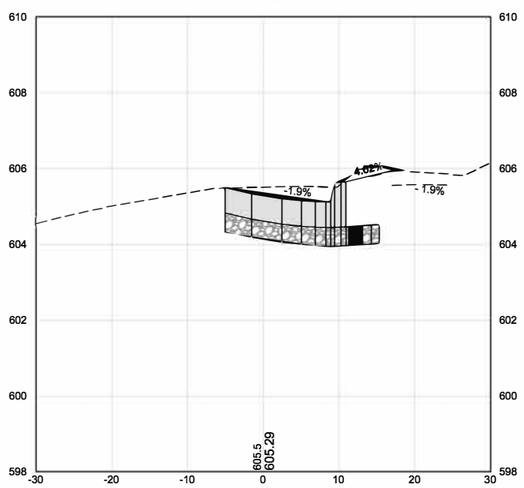

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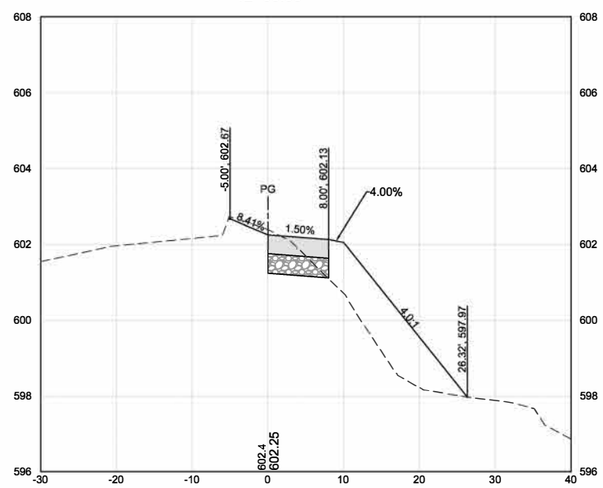

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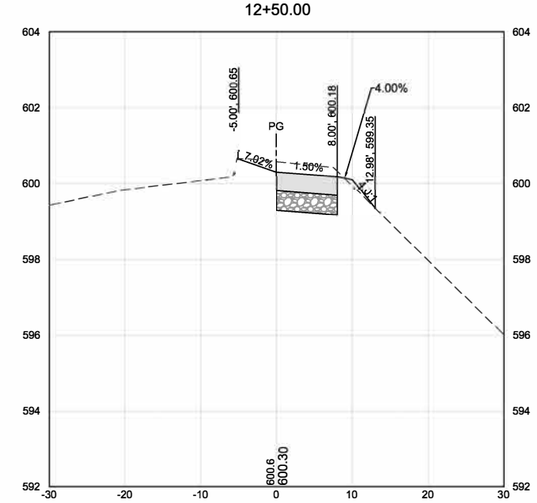

X-REFS: 3205 Aerial-Moline & 3205 Survey IL-83W & 3205 Parcels
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_DESIGN DRAWINGS\3205 DESIGN - EARTHWORK

CITY OF MOLINE
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

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SCALE: --

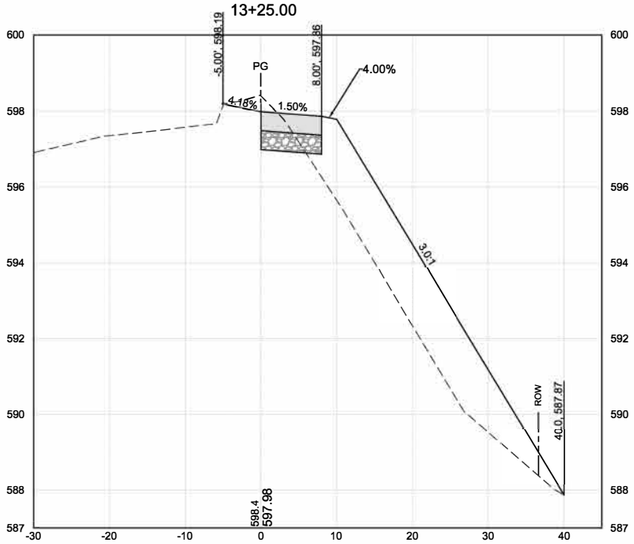
Date 3-21-2025

Project #3205

Designer EWL

SHEET 41 OF 70

13+25.00



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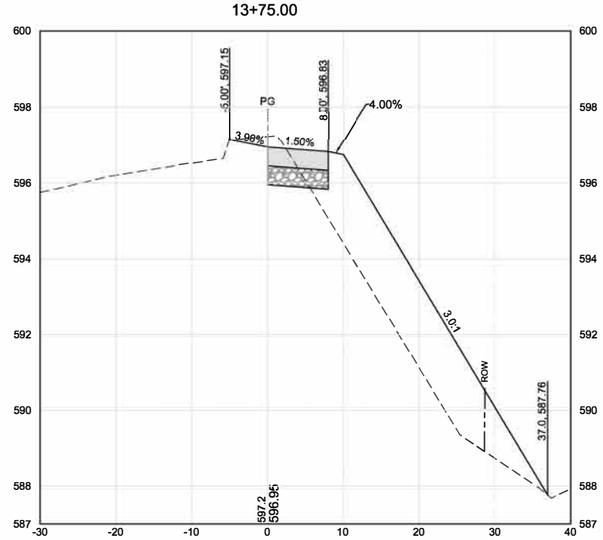

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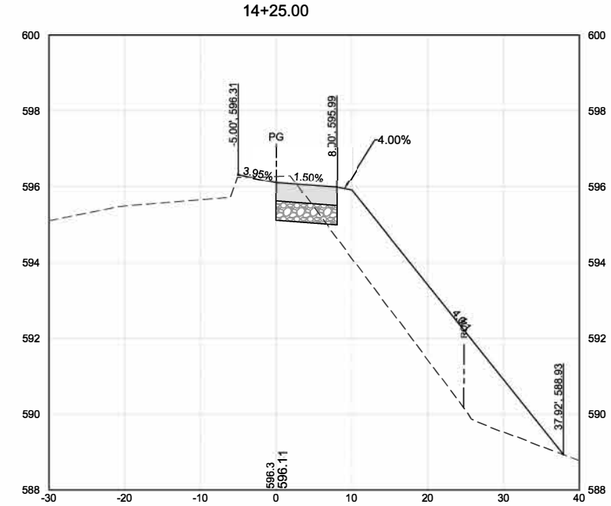

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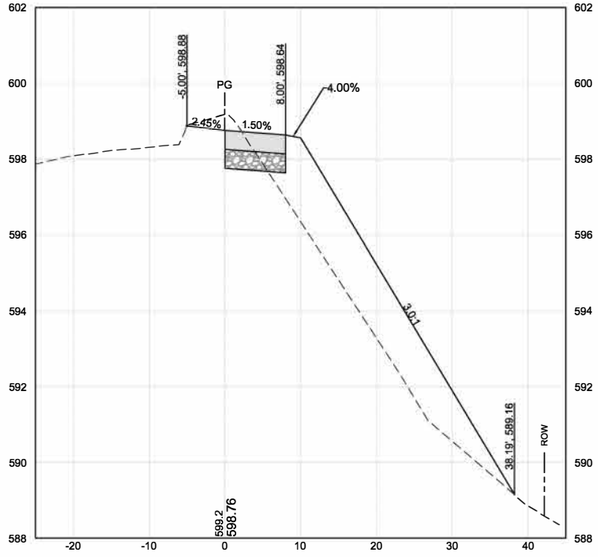

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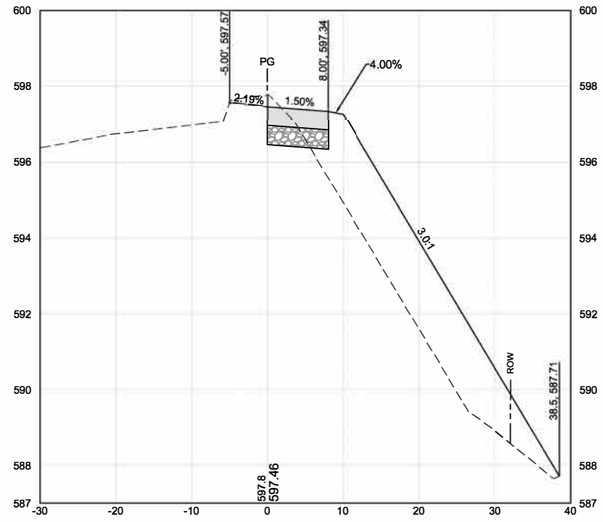

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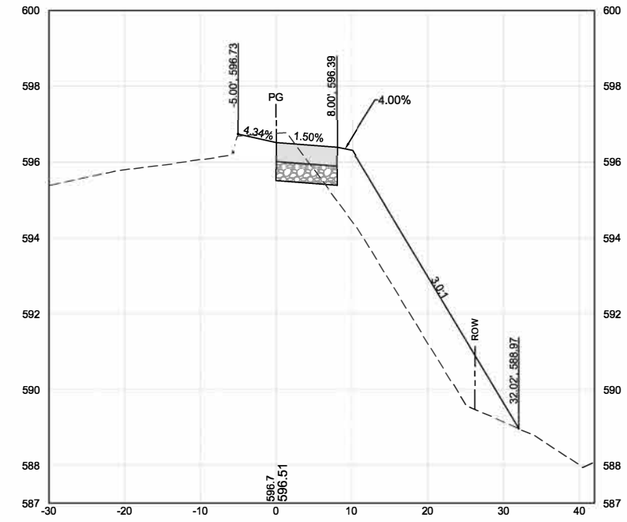

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

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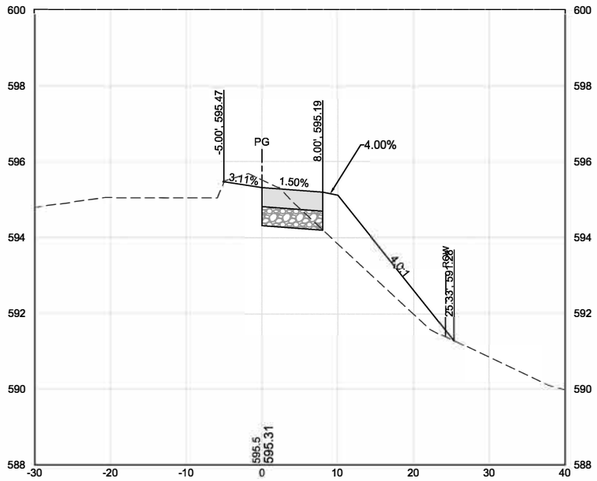
Date 3-21-2025

Project #3205

Designer EWL

SHEET 42 OF 70

14+75.00



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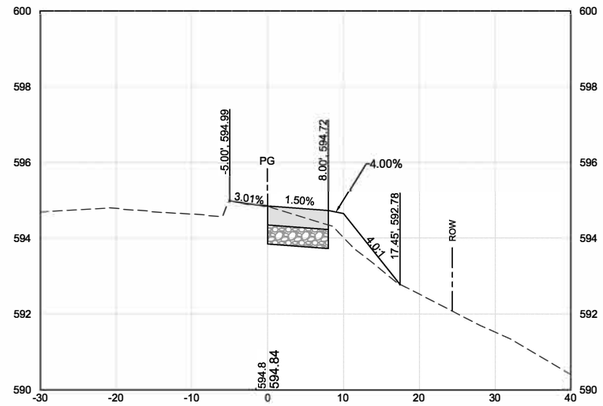

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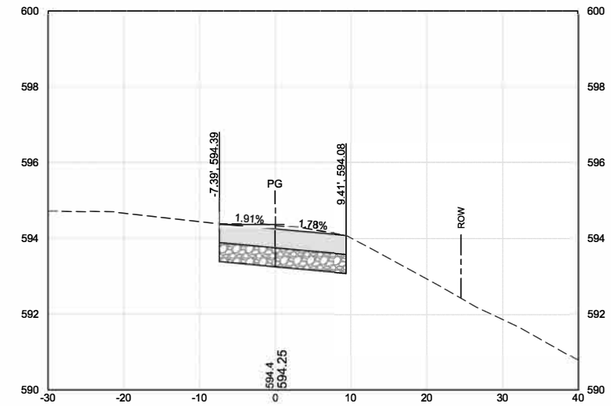

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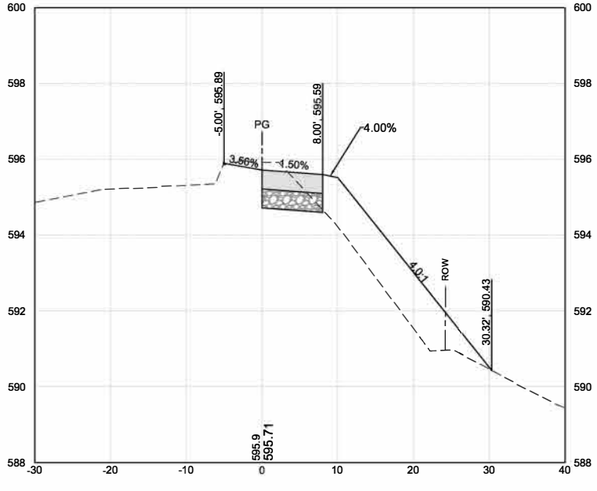

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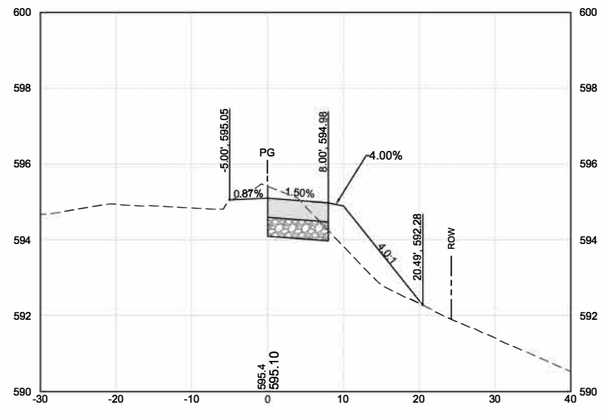

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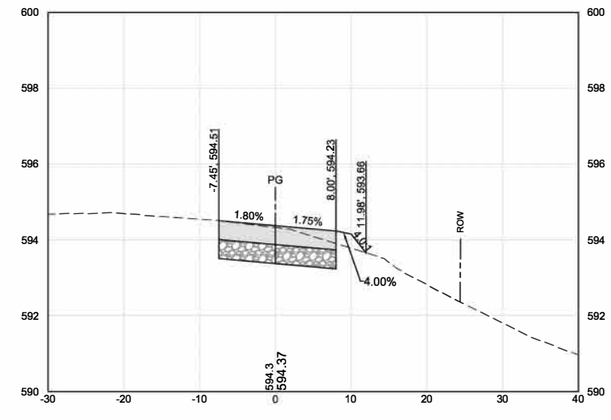

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

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NORTH

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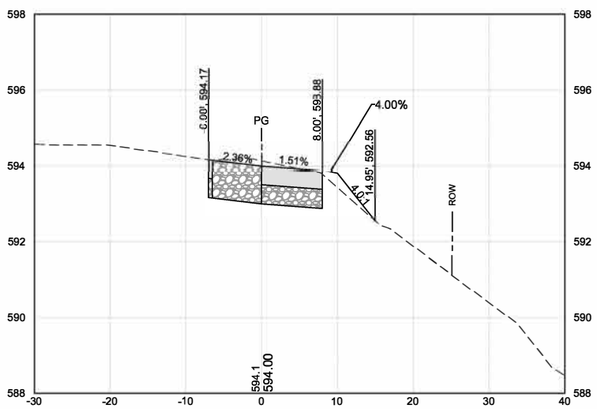
Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 43 OF 70

PLOTTED: Tuesday, March 25, 2025 1:00:44 PM

NOTE: STA. 16+25 TO STA 20+00 PREVIOUSLY CONSTRUCTED AND NOT APART OF THIS CONTRACT

16+25.00



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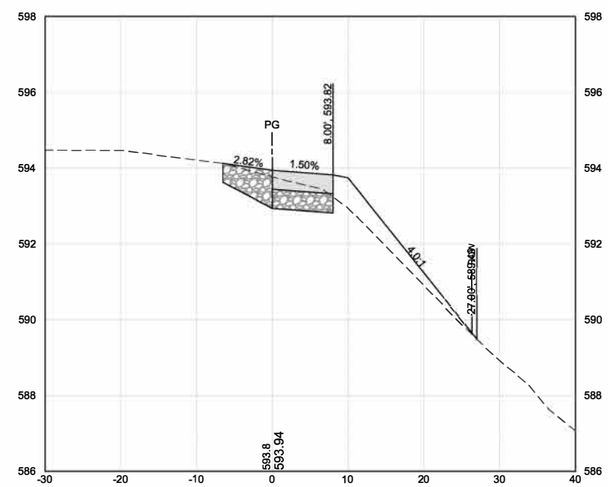

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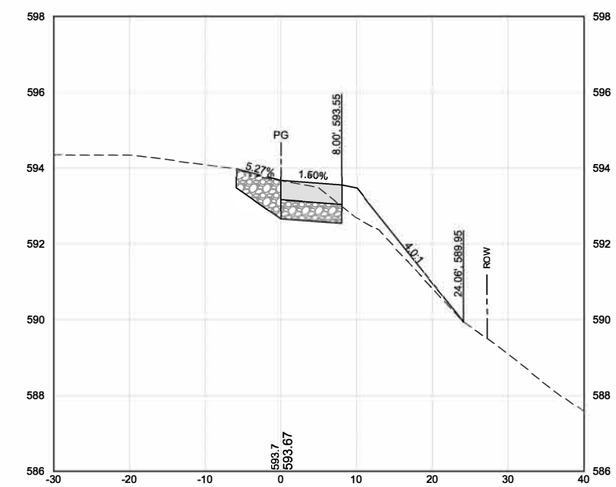

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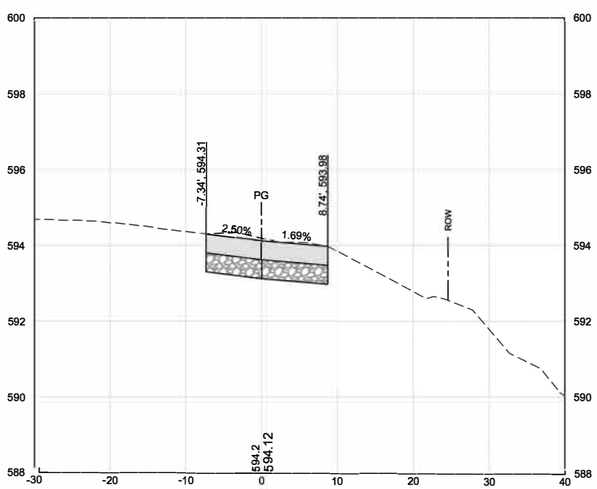

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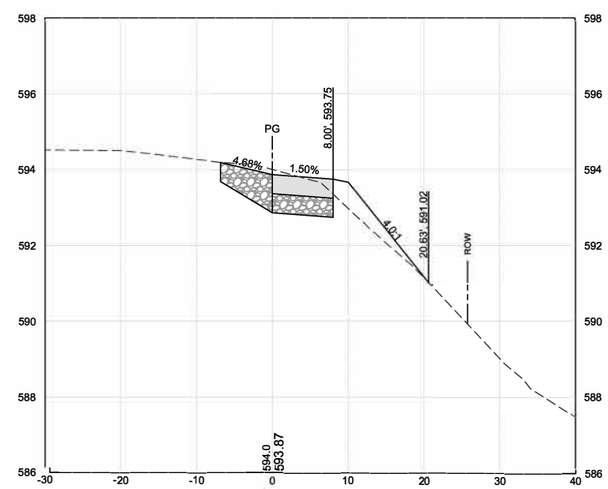

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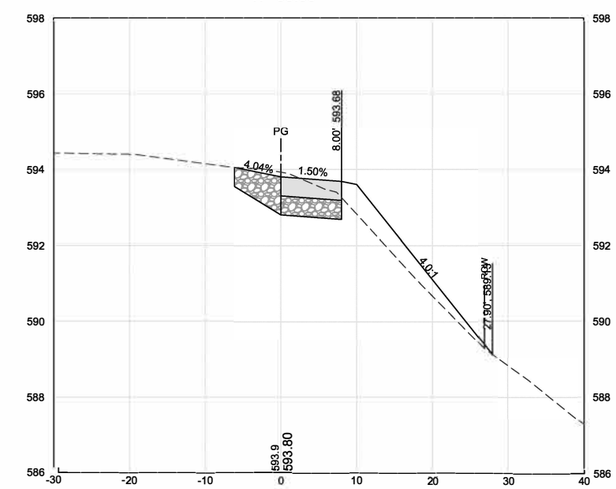

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CROSS SECTIONS

DATE	REVISION

NORTH

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Date 3-21-2025

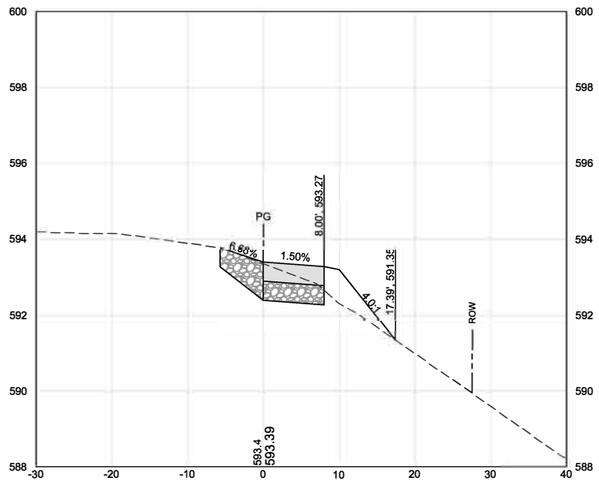
Project #3205

Designer EWL

SHEET 44 OF 70

NOTE: STA. 16+25 TO STA 20+00 PREVIOUSLY CONSTRUCTED AND NOT APART OF THIS CONTRACT

17+75.00



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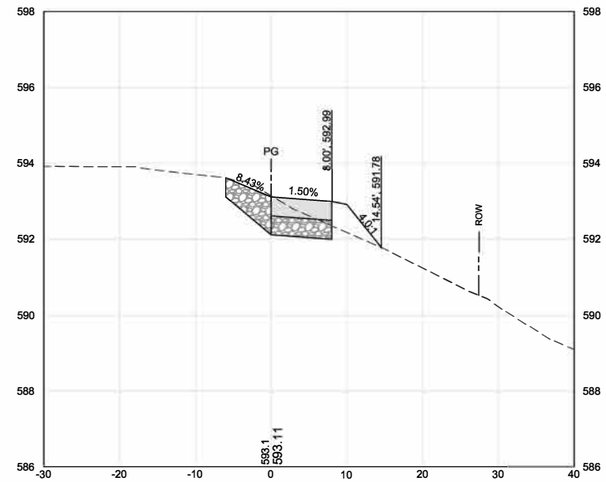

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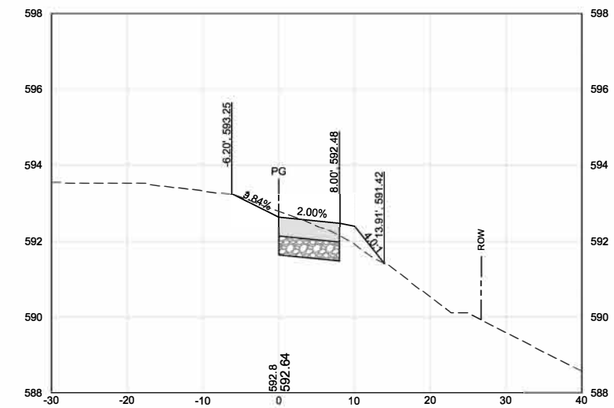

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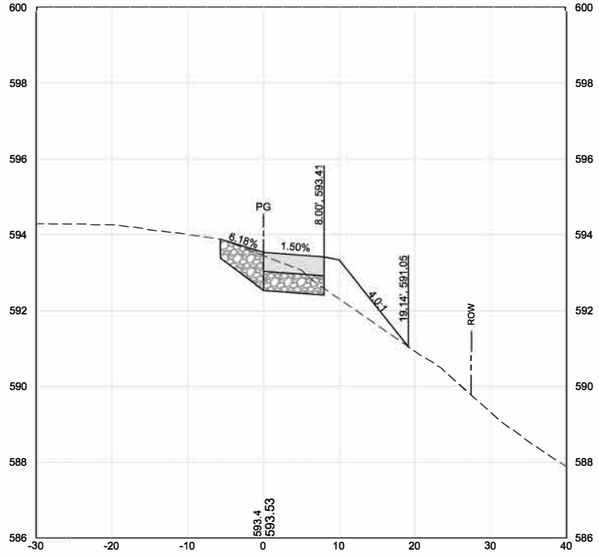

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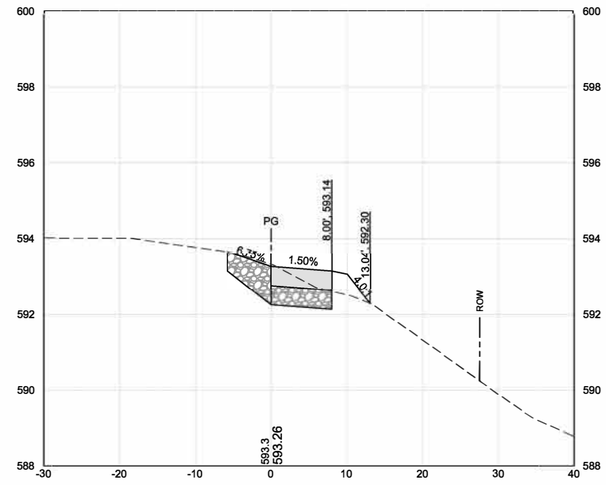

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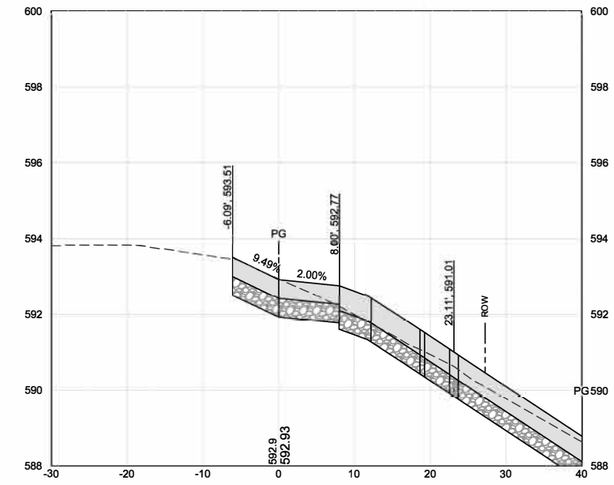

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Designer	EWL

SHEET 45 OF 70

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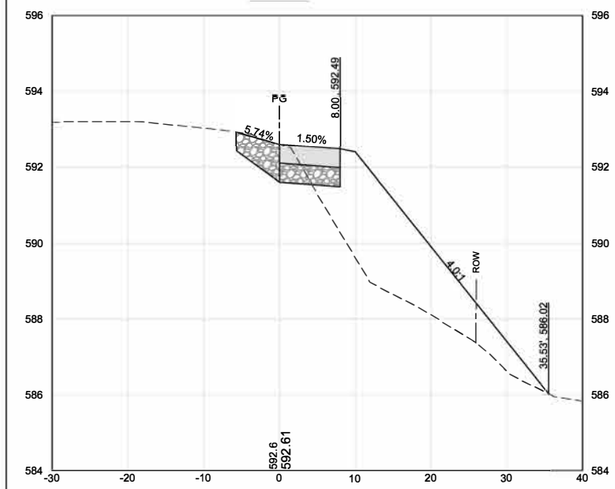
19+25.00



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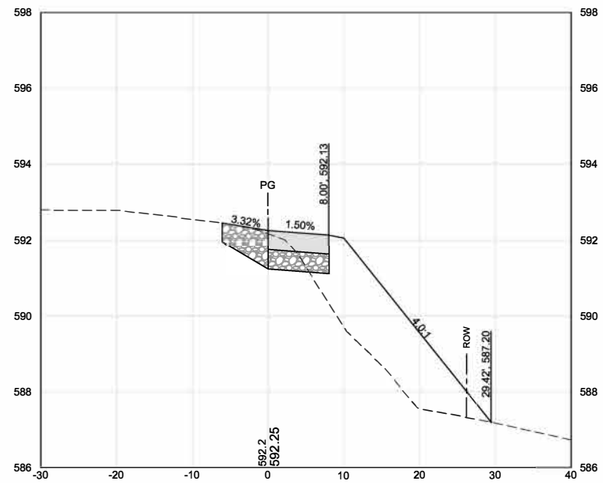

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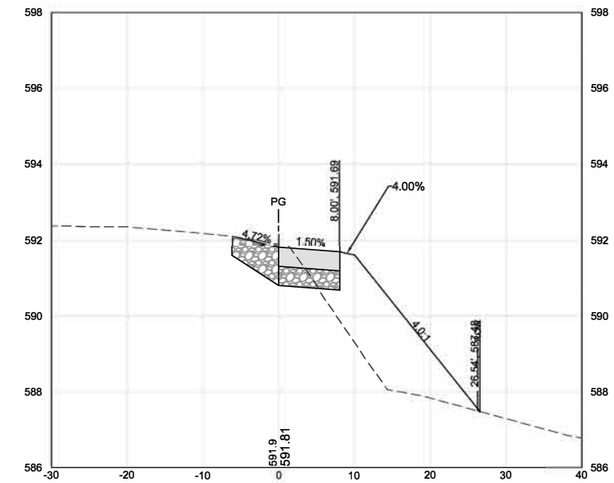

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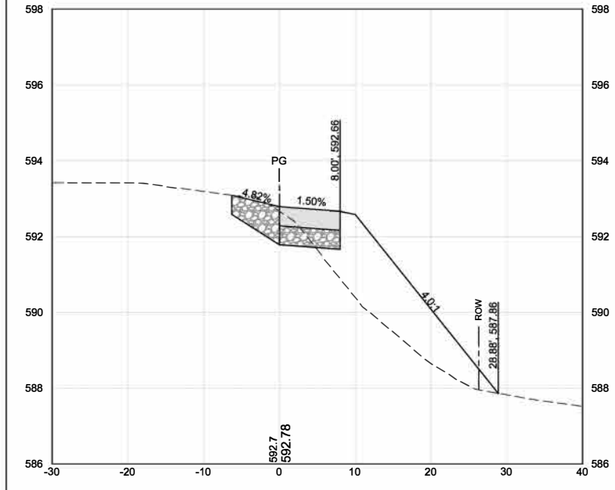

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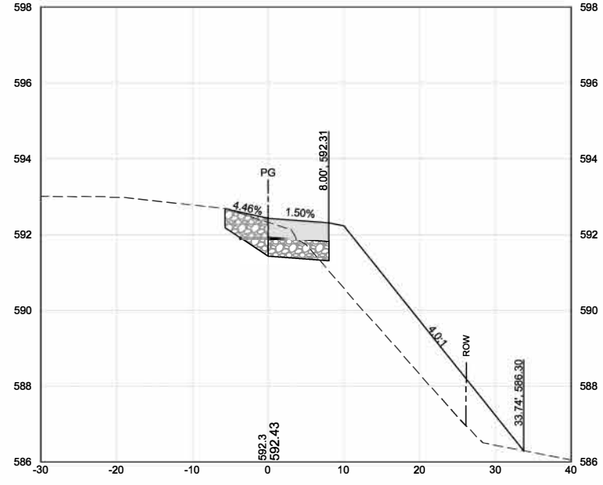

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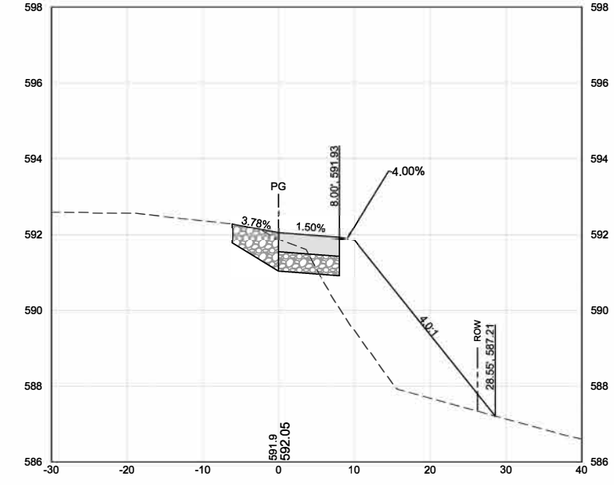

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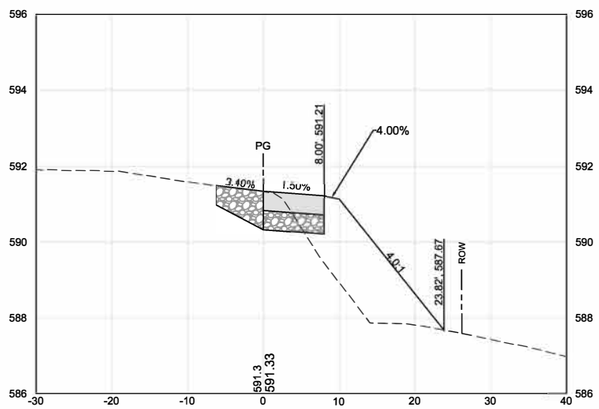
Project #3205

Designer EWL

SHEET 46 OF 70

20+75.00



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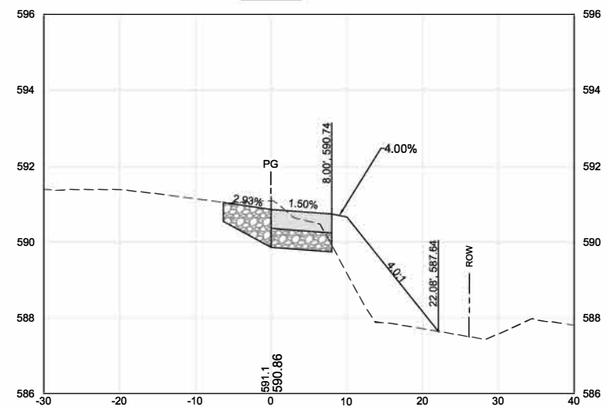

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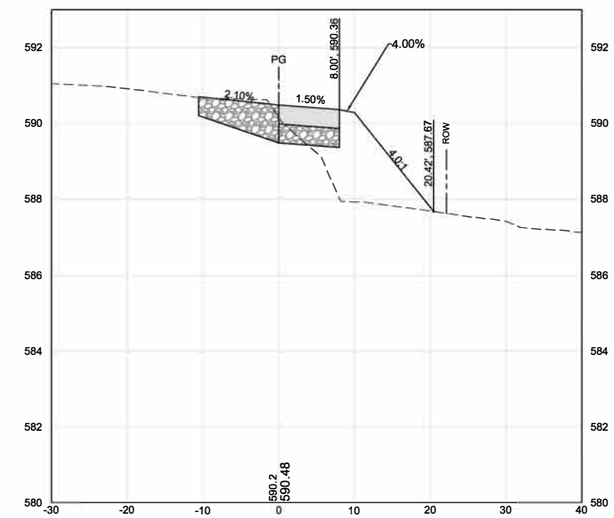

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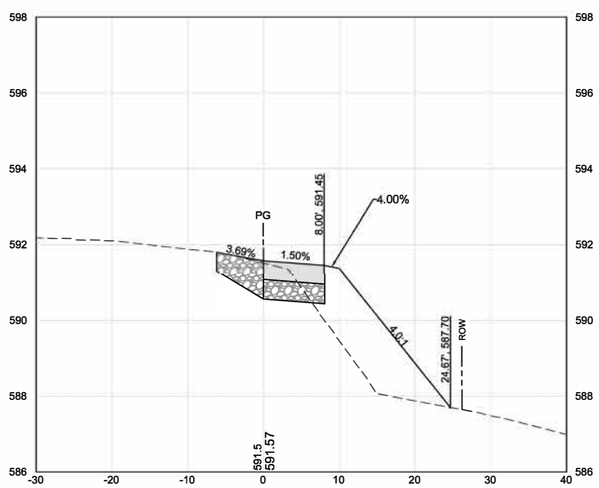

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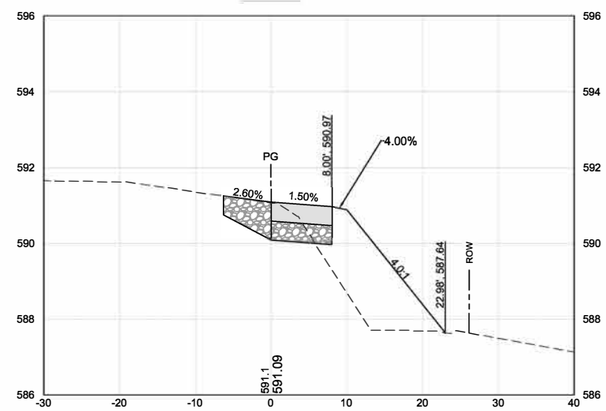

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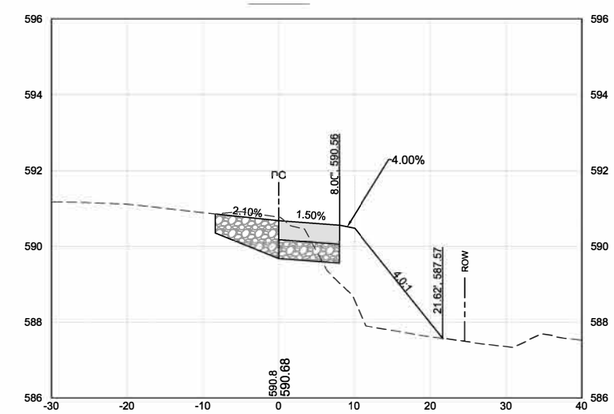

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

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DATE	REVISION

NORTH

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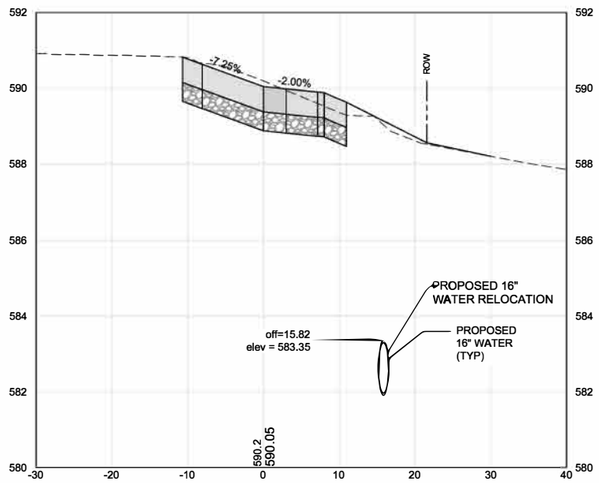
Project	#3205
Designer	EWL

SHEET 47 OF 70

22+25.00



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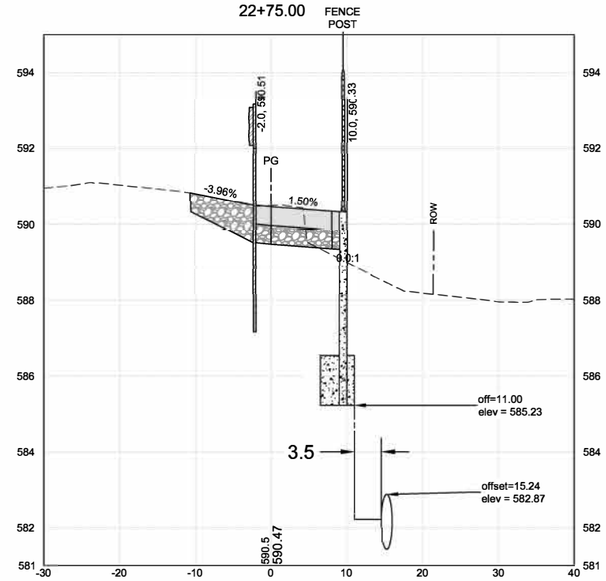

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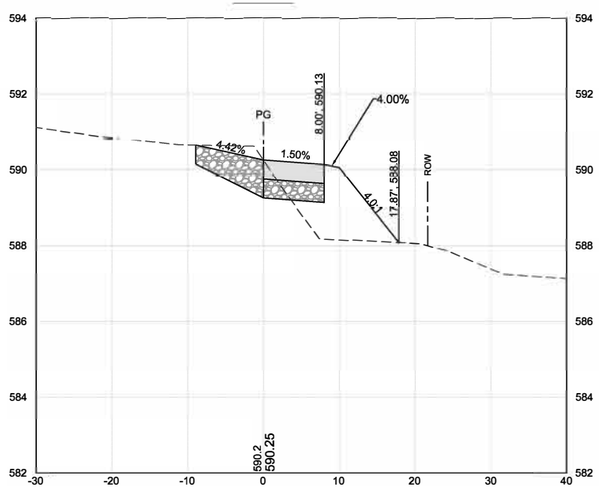

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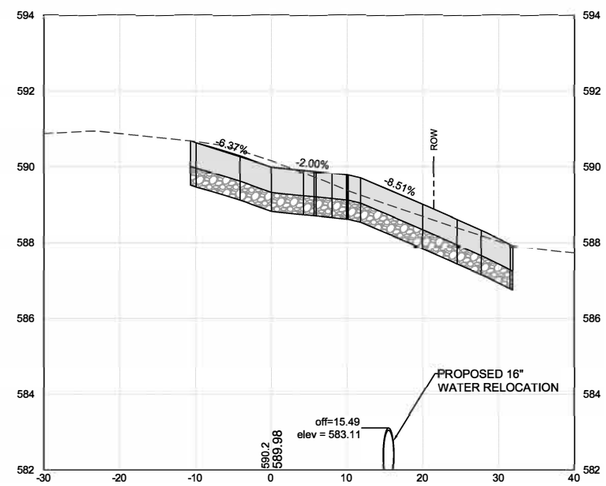

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NORTH

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Date	3-21-2025
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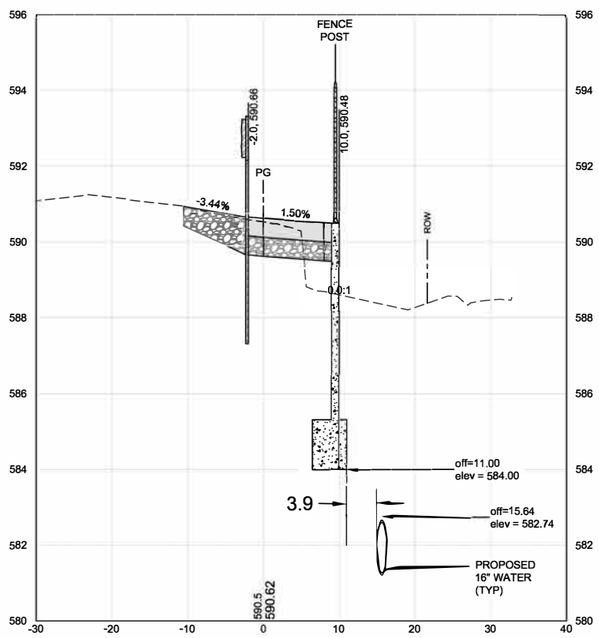
SHEET 48 OF 70

23+00.00



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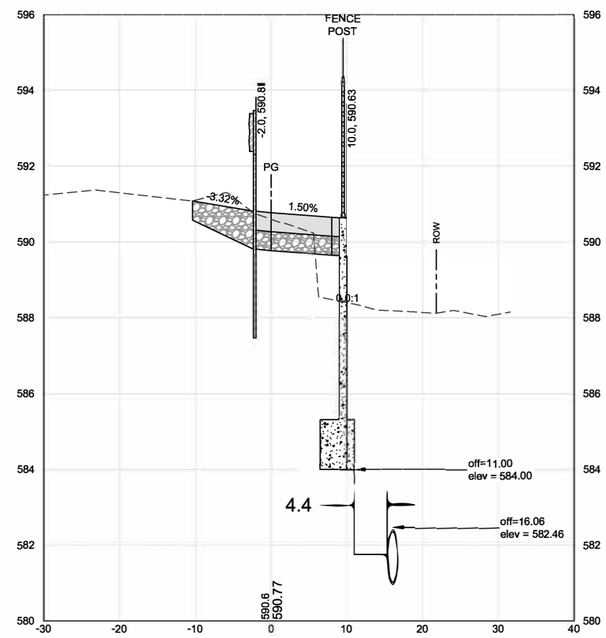

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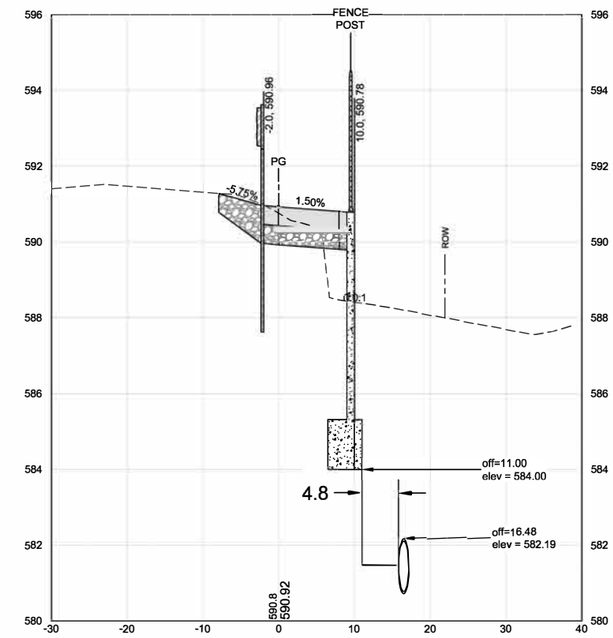

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NORTH

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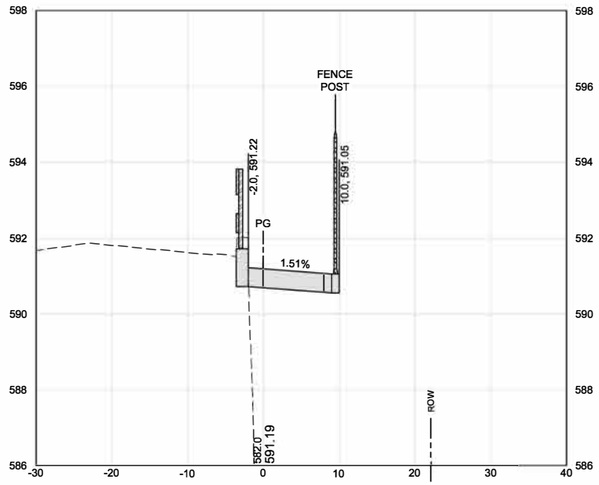
Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 49 OF 70

NOTE: BRIDGE
ABUTMENT/SUBSTRUCTURE
OMITTED IN X-SECTIONS.
SEE STRUCTURAL
SHEETS 52-61

23+77.00



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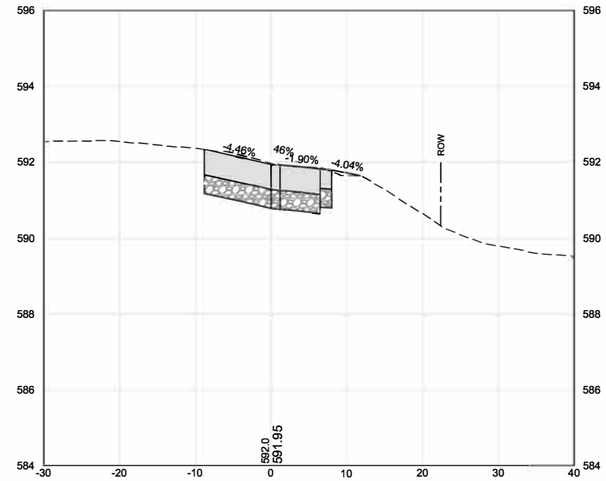

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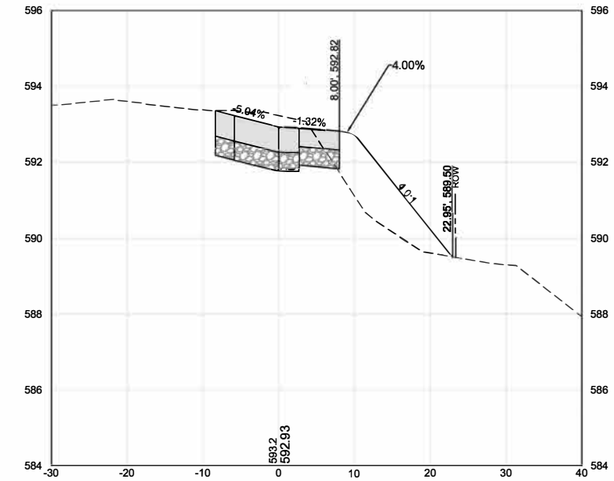

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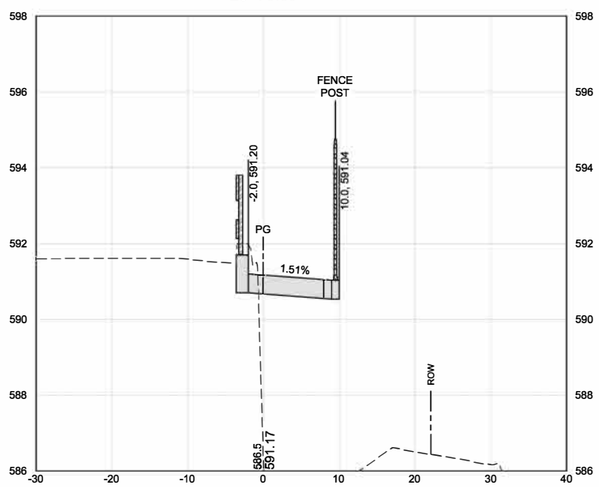

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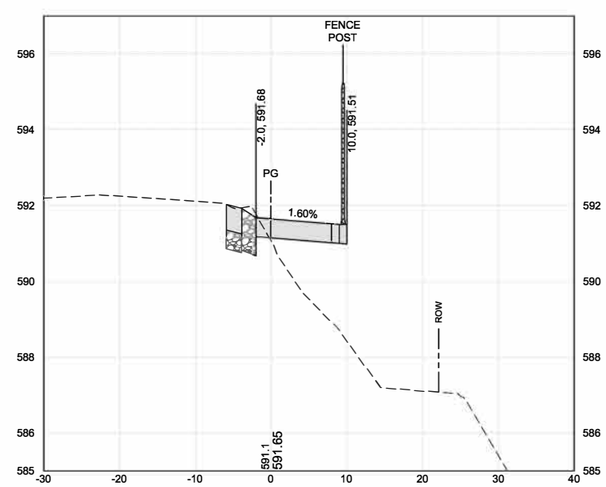

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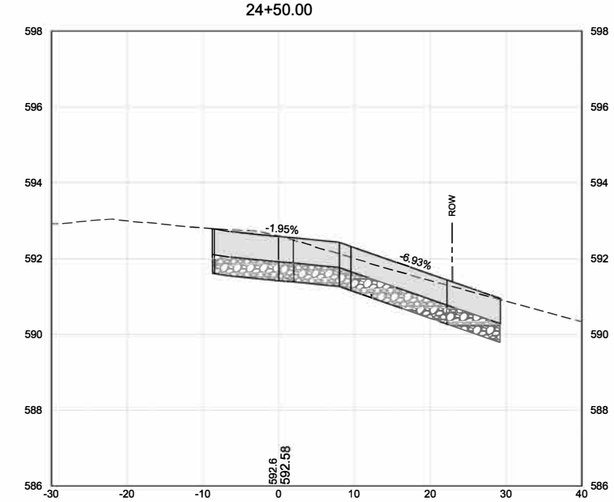

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36TH AVENUE BIKE PATH

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SHEET 50 OF 70

PLOTTED: Tuesday, March 25, 2025 1:02:30 PM

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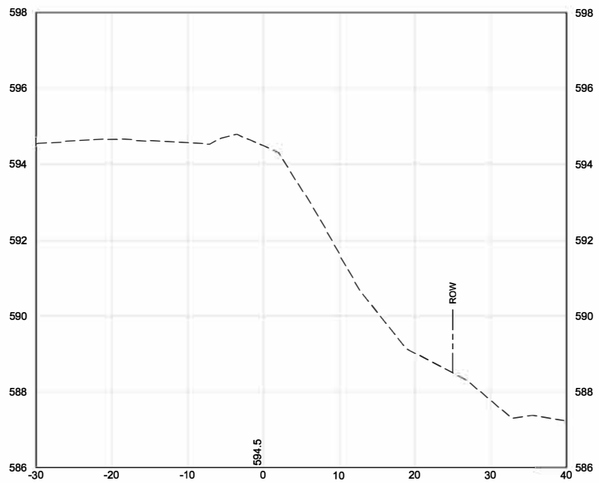

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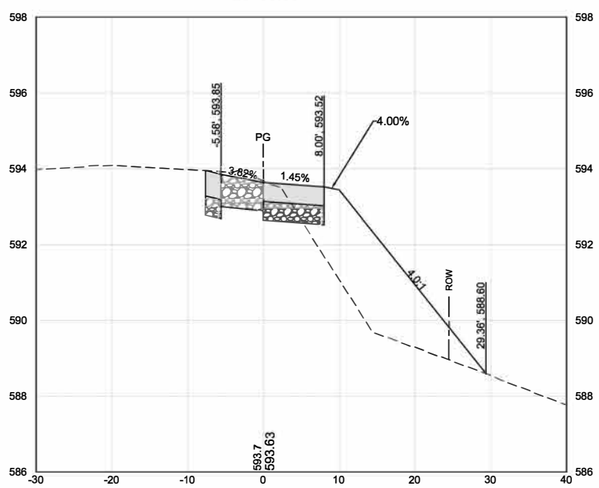

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SHEET 51 OF 70

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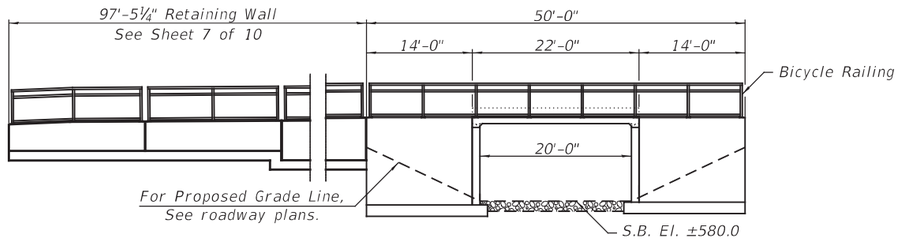
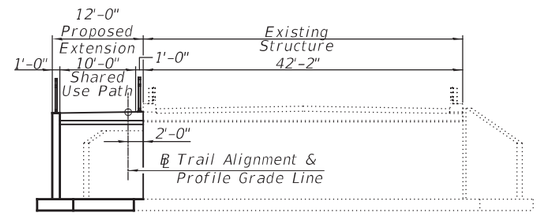
Bench Mark: BM #1 – Top of concrete parapet at southwest corner. Elevation 592.12

Existing Structure: SN 081-1002 was constructed in 1932 under Section 18B-2 at Sta. 202+93.00. The existing structure is a single span, reinforced concrete slab bridge having a back-to-back abutment length of 22'-0" and a 38'-3¾" face-to-face of curb and 42'-2" out-to-out of deck at a 0° skew. The superstructure consists of a reinforced concrete slab. The substructure consists of reinforced concrete closed abutments supported by reinforced concrete spread footings. The structure will be widened to the south to accommodate a new bike path.

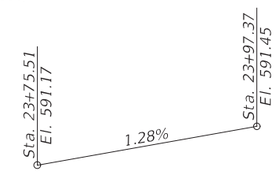


ELEVATION
(Looking North)

INDEX OF SHEETS



SECTION B-B
(Looking West)



PROFILE GRADE
(Along ℄ Trail Alignment)

TOTAL BILL OF MATERIAL

ITEM	UNIT	SUPER	SUB	TOTAL
Stone Riprap, Class A4	Ton		53	53
Filter Fabric	Sq. Yd.		62	62
Concrete Removal	Cu. Yd.	1.0		1.0
Structure Excavation	Cu. Yd.		157	157
Concrete Structures	Cu. Yd.		72.4	72.4
Concrete Superstructure	Cu. Yd.	10.8		10.8
Reinforcement Bars, Epoxy Coated	Pound	3340	5840	9180
Bicycle Railing	Foot	170		170
Name Plates	Each	1		1

GENERAL NOTES

Reinforcement bars designated (E) shall be epoxy coated.

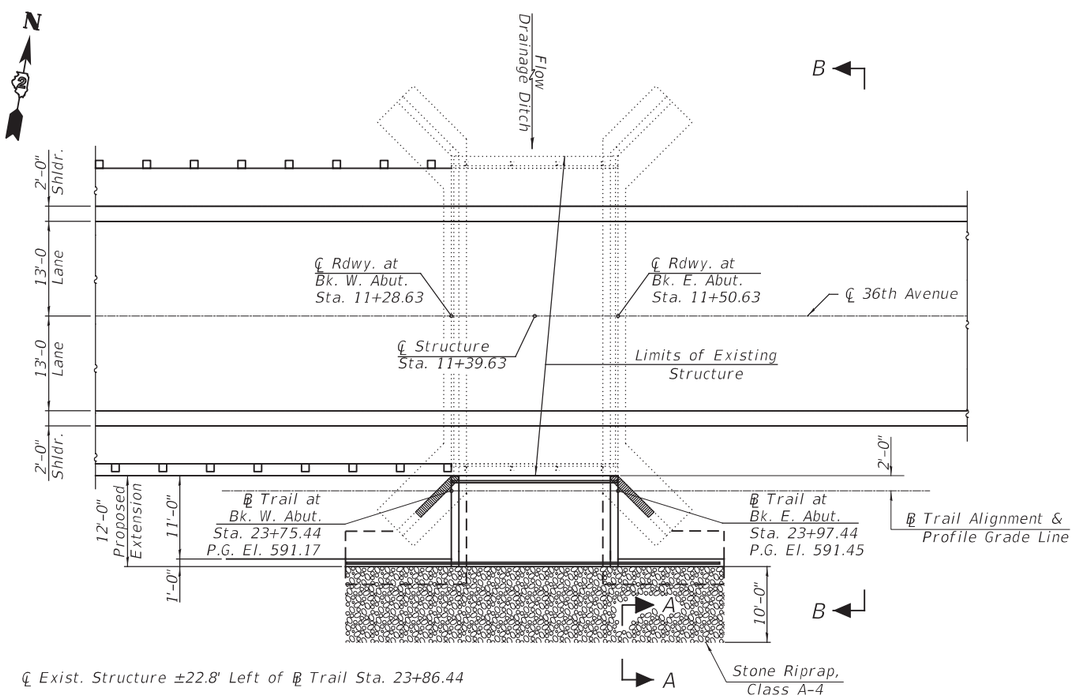
Plan dimensions and details relative to existing plans are subject to nominal construction variations. The Contractor shall field verify existing dimensions and details affecting new construction and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Layout of the slope protection system may be varied to suit ground conditions in the field as directed by the Engineer.

Contractor is responsible for the removal and disposal of any excess channel excavation not incorporated back into the project. The disposal of any excess material shall be in accordance with Article 202.03. Cost to dispose of excess excavation will be included in the unit cost of Structure Excavation.

All exposed edges shall have a standard ¾" chamfer.

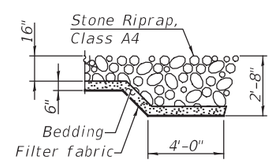
The existing 16" diameter water main shall be relocated prior to construction of the bridge extension and retaining wall. Portions within the limits of the proposed structures (Sta. 22+54 to Sta. 24+08) shall be removed. See roadway plans.



PLAN

36th AVENUE BRIDGE
WIDENED 202_ BY
CITY OF MOLINE
SEC. 19-00274-00-BT
STA. 11+39.63
SN 081-1002 LOADING HL 93

NAME PLATE
(Standard 515001)
New Name Plate shall be located on the Soutwest corner of bridge rail adjacent to existing Name Plate.



SECTION A-A

LOADING HL-93

Allow 50#/sq. ft. for future wearing surface.

DESIGN SPECIFICATIONS

2020 AASHTO LRFD Bridge Design Specifications, 9th Edition.

DESIGN STRESSES

FIELD UNITS

f'c = 3,500 psi (Substructure Concrete)
f'c = 4,000 psi (Superstructure Concrete)
fy = 60,000 psi (Reinforcement)

THOMAS R. CASSON
STRUCTURAL ENGINEER OF
STATE OF ILLINOIS

Thomas R. Casson 8-21-2023
EXPIRES 11-30-2026

GENERAL PLAN & ELEVATION
36TH AVENUE
OVER DRAINAGE DITCH
SECTION 19-00274-00-BT
CITY OF MOLINE
STATION 11+39.63
STRUCTURE NO. 081-1002

SHEET NO. 1 of 10 SHEETS

MODEL: 001
FILE NAME: Z:\0 V and K Jobs\3205 - 36th Avenue City of Moline\CADD Sheets\3205-sht-structure.dgn

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
(309) 524-2350
3635 4TH AVENUE, MOLINE, IL 61265

VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH
FROM 7TH TO 13TH STREET
GENERAL PLAN & ELEVATION

DATE	REVISION
----	----

NORTH

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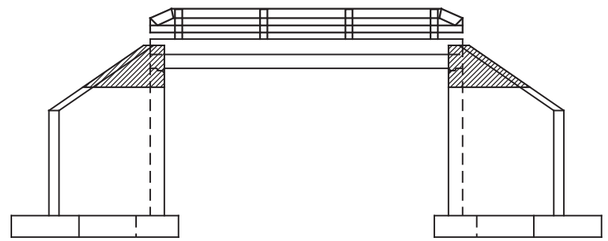
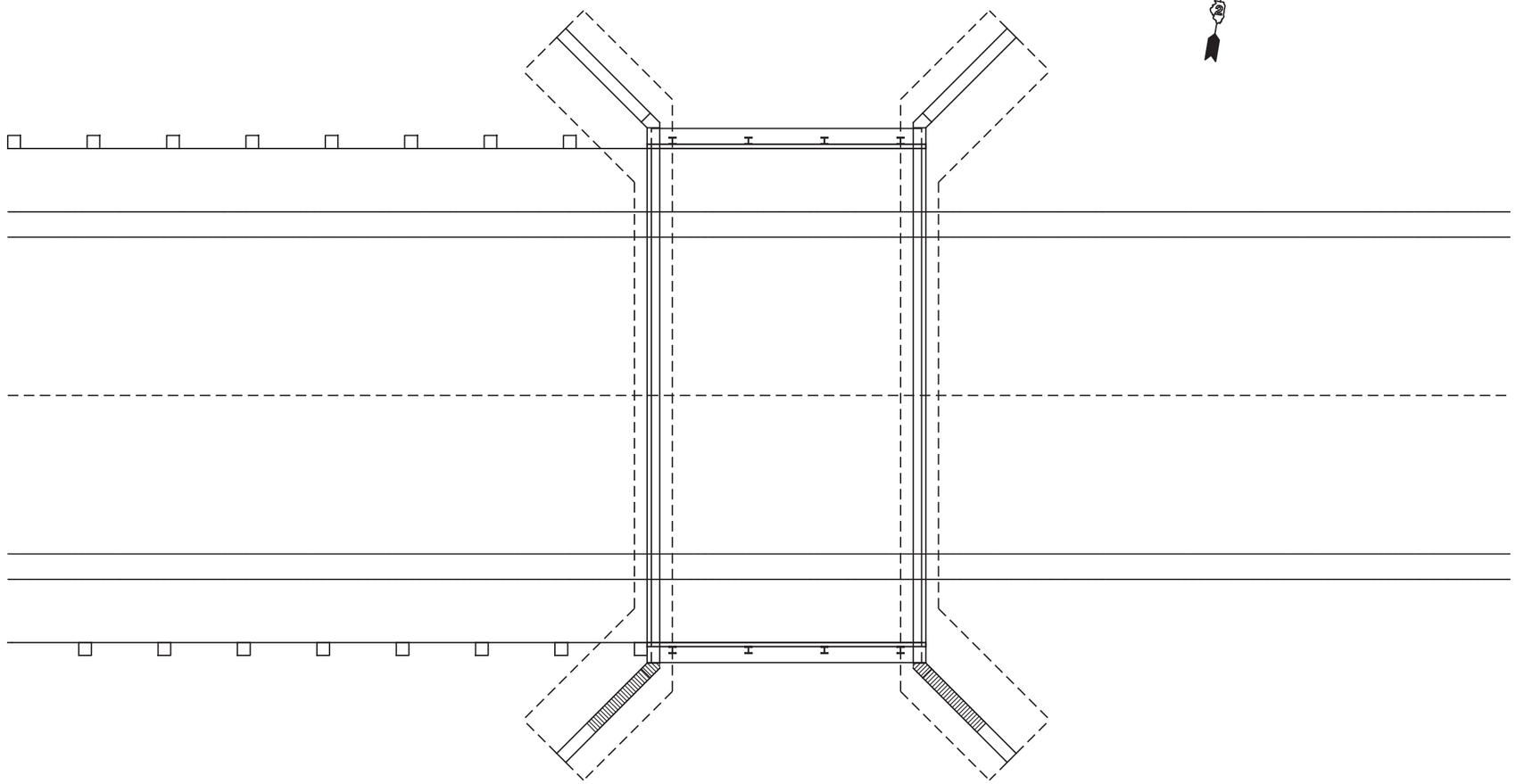
Date: 3-21-2025
Project: #3205
Designer: ----

SHEET 52 OF 70

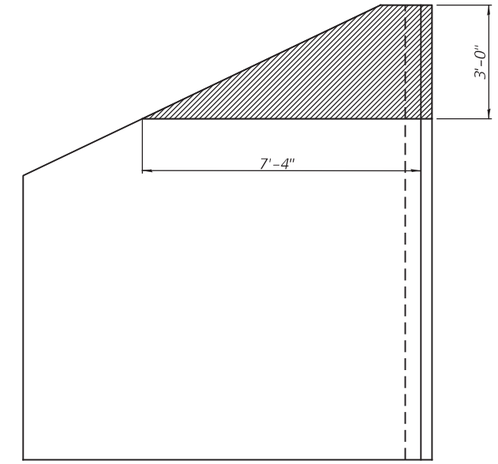
PLOTTED: 8/21/2023 - 2:31:44 PM



ELEVATION



PLAN



SOUTHWEST WINGWALL
(Southeast Wingwall Similar)

LEGEND
- Concrete Removal

BILL OF MATERIAL

Concrete Removal	Cu. Yd.	1.0

SHEET NO. 2 of 10 SHEETS

MODEL: 002
FILE NAME: Z:\0 V and K Jobs\3205 - 36th Avenue City of Moline\CADD Sheets\3205-sht-structure.dgn

CITY OF MOLINE
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CONCRETE REMOVAL

DATE	REVISION
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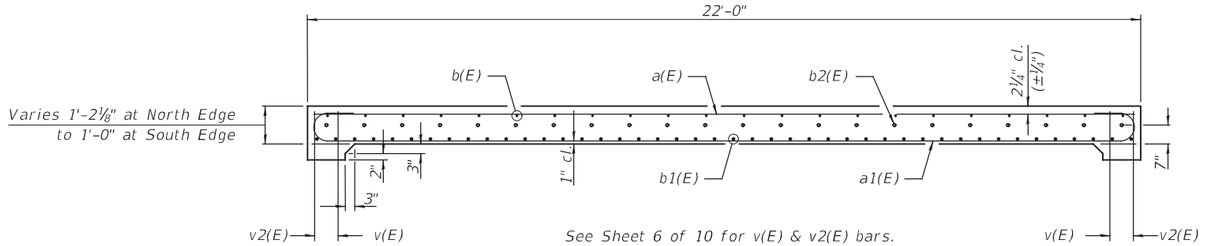
Date: 3-21-2025

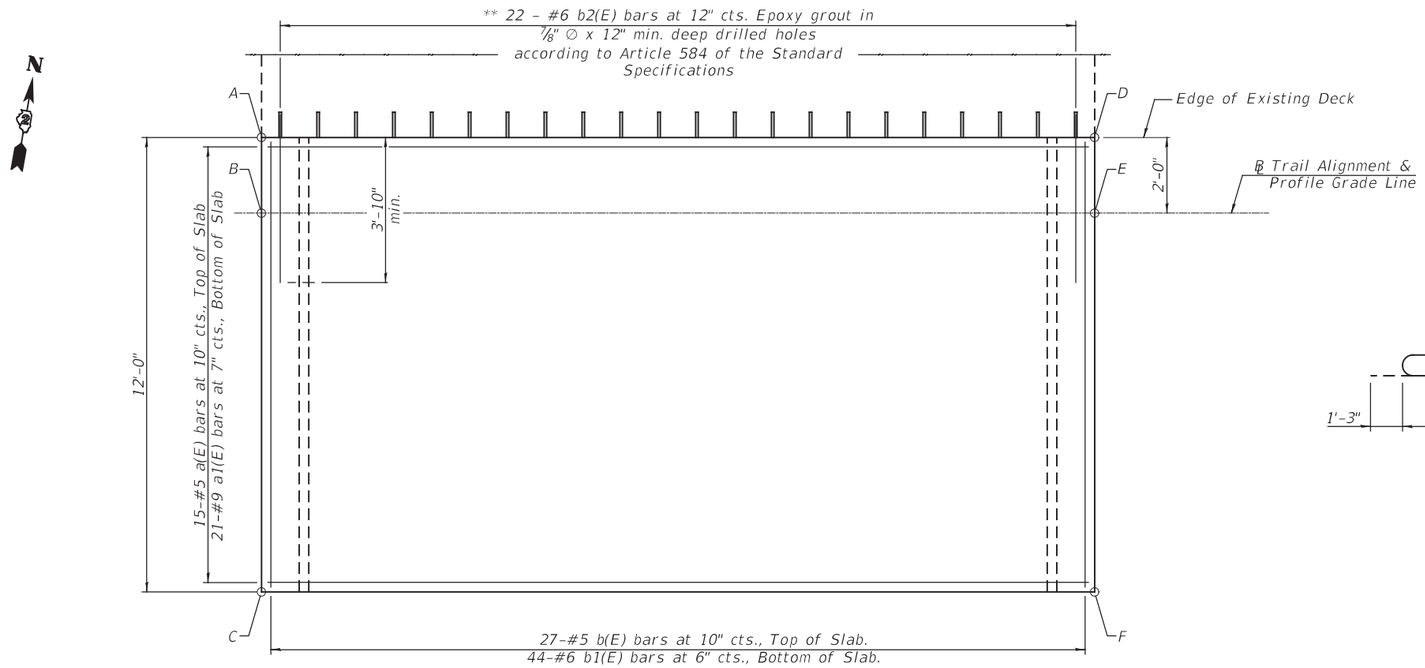
Project: #3205

Designer: ----

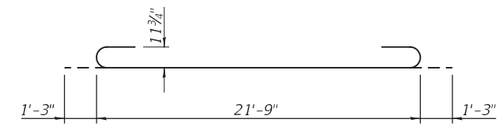
SHEET 53 OF 70



ELEVATION
(Looking North)



PLAN
** Space bars to miss existing reinforcement.



BAR a1(E)

SLAB ELEVATIONS

Point	Station	Offset	Top	Bottom	Thick
A	23+75.44	-2.00'	591.20	590.02	14⅛"
B	23+75.44	0.00'	591.17	590.02	13¾"
C	23+75.44	10.00'	591.02	590.02	12"
D	23+97.44	-2.00'	591.48	590.30	14⅛"
E	23+97.44	0.00'	591.45	590.30	13¾"
F	23+97.44	10.00'	591.30	590.30	12"

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
a(E)	15	#5	21'-9"	
a1(E)	21	#9	24'-3"	
b(E)	27	#5	11'-9"	
b1(E)	44	#6	11'-9"	
b2(E)	22	#6	4'-10"	
Concrete Superstructure			Cu. Yd.	10.8
Reinforcement Bars, Epoxy Coated			Pound	3,340

SHEET NO. 3 of 10 SHEETS

CITY OF MOLINE
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36TH AVENUE BIKE PATH
FROM 7TH TO 13TH STREET
CONCRETE SUPERSTRUCTURE

DATE	REVISION
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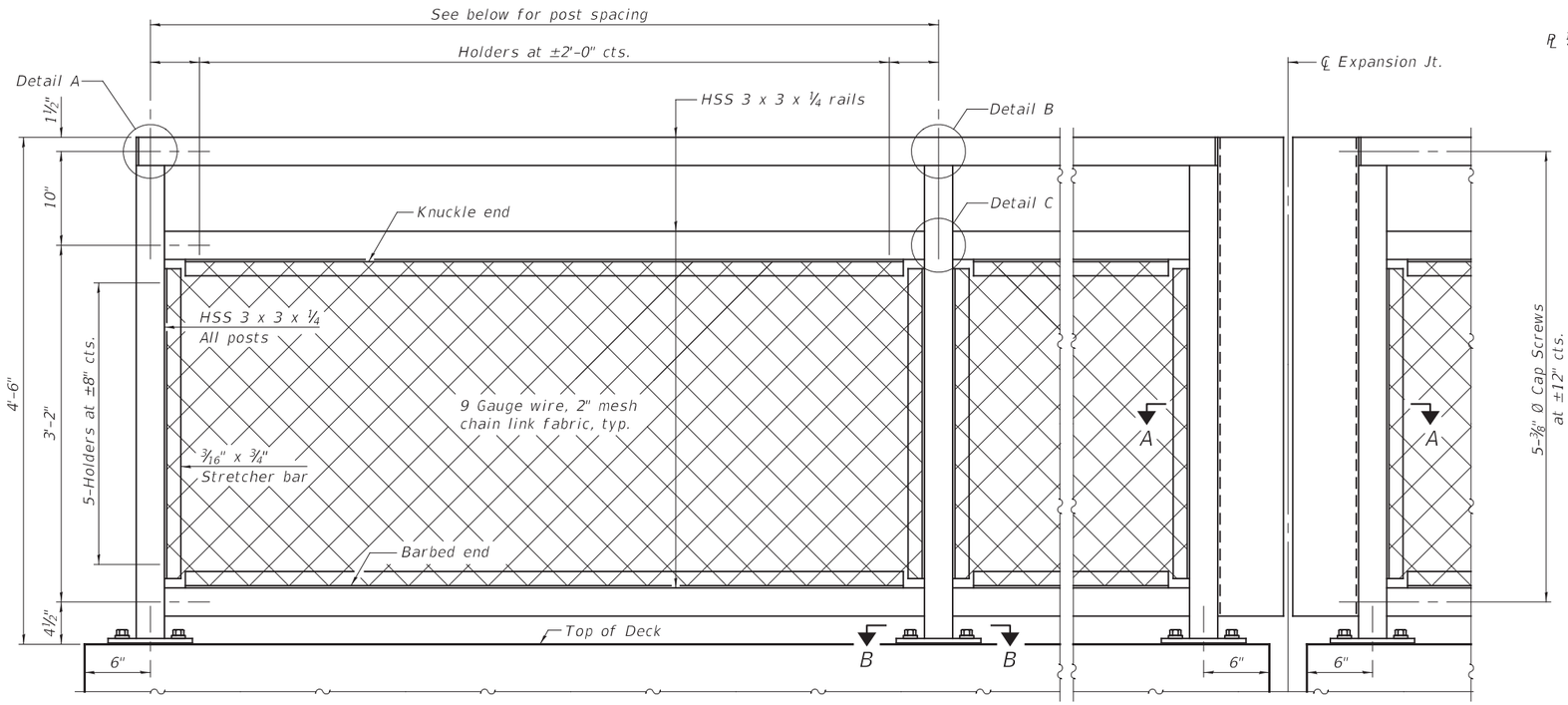
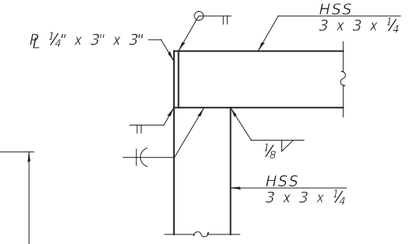
SHEET 54 OF 70

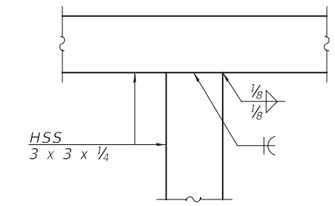


ELEVATION BICYCLE RAILING

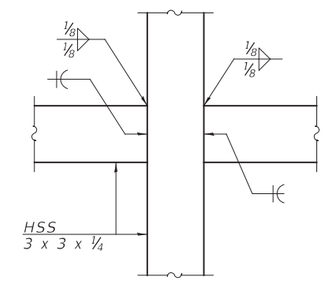
(Inside face)



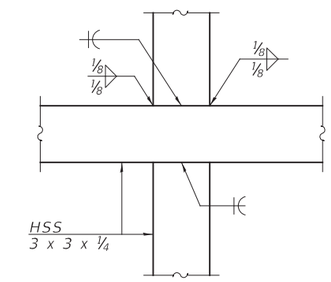
DETAIL A



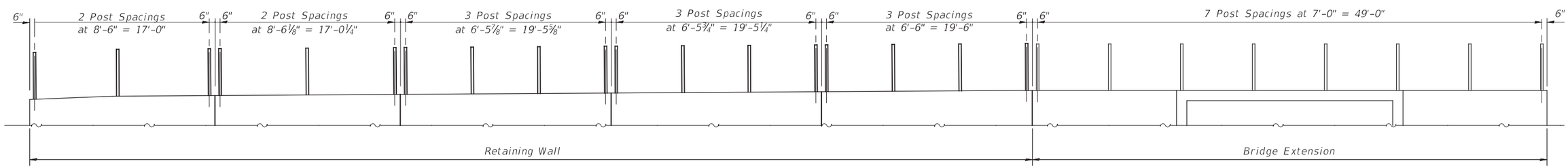
DETAIL B



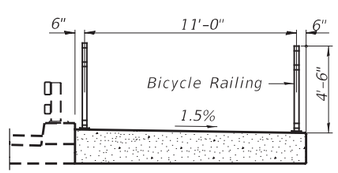
DETAIL C



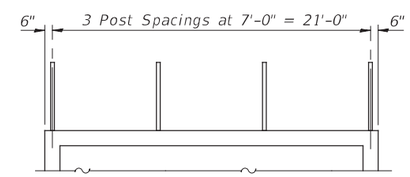
DETAIL D



OUTER RAIL POST SPACING



SECTION THRU SLAB



INNER RAIL POST SPACING

All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.

RAILING CRITERIA

MASH 2016 Test Level	4
Parapet Railing Weight (plf)	25
Bicycle Railing Weight (plf)	50
Max Post Spacing	10'-0"

R-29 9-1-2022

(Sheet 1 of 2)

SHEET NO. 4 of 10 SHEETS

CITY OF MOLINE
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VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, IL 61201
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

BICYCLE RAILING

DATE	REVISION
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SHEET 55 OF 70

MODEL: 004
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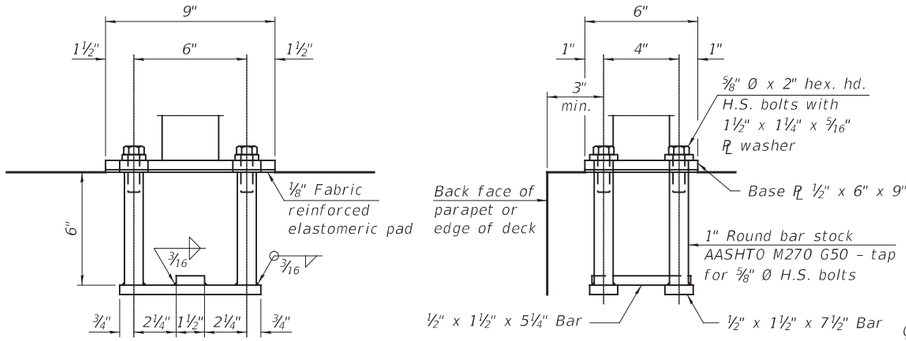
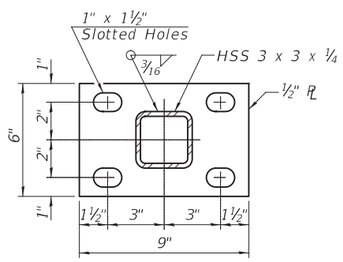


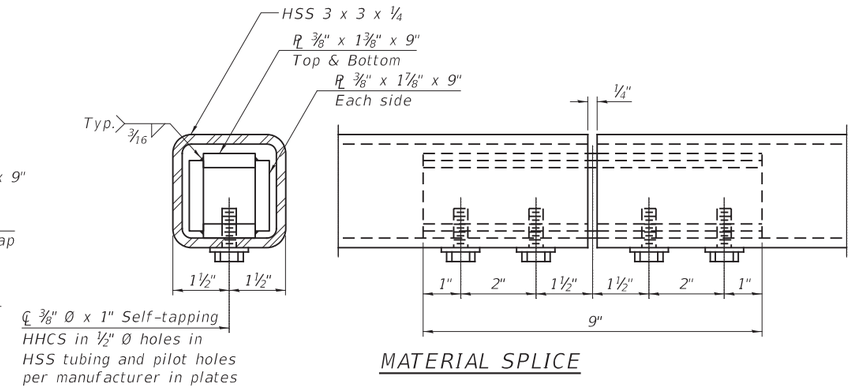
ANCHORAGE ASSEMBLY

The Bicycle Railing fasteners for end posts near expansion joints may need to be installed prior to installing the bent plates.

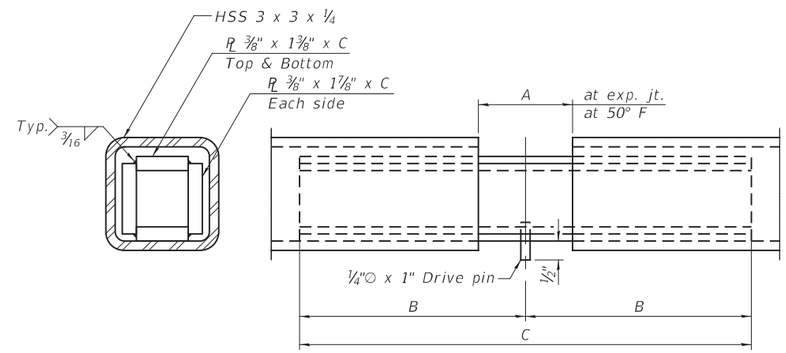
In lieu of the cast-in-place anchor device shown, the Contractor has the option of drilling and setting ⅝" Ø fully threaded anchor rods with the same plate washers as specified above and heavy hex lock nuts according to Article 509.06 of the Standard Specifications. Embedment shall be according to the manufacturer's specifications.



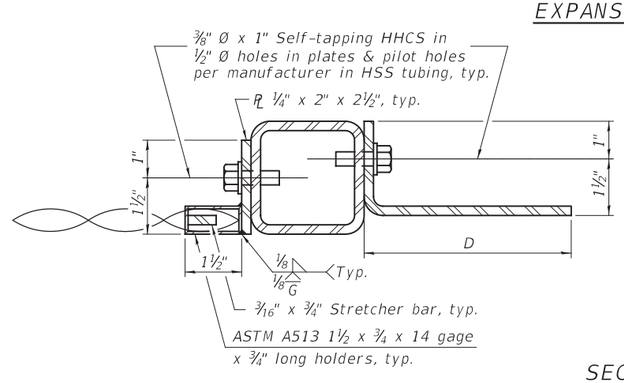
SECTION B-B

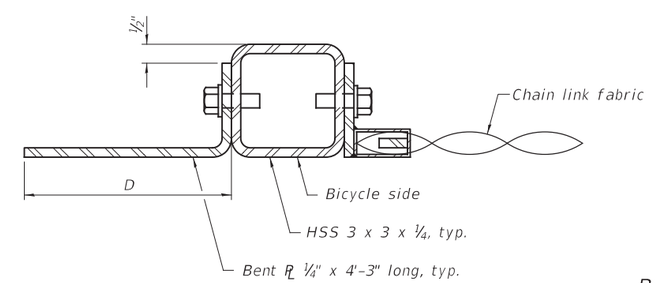


MATERIAL SPLICE



EXPANSION SPLICE





SECTION A-A

Notes:

Place reinforcement bars to miss anchor rod locations.

CVN testing is not required for the HSS tubing used in the Bicycle Railing.

All HSS tubing used for the Parapet Railing shall be CVN tested according to Article 1006.34(b) of the Standard Specifications.

All HSS tubing used for the Parapet Railing shall be ASTM A500 grade C.

All base plates used for the Paraper Railing shall be AASHTO M270 grade 50.

All heavy hex nuts shall be according to ASTM A 563 grade DH.

All fully threaded anchor rods shall be ASTM F1554 grade 105.

The post base plate shall be fastened to the curb snug tight and given an additional ⅛" turn.

Rail splice inserts may be built out of bent plates of the same thicknesses and outside geometry limits as the 4 plate rail splice inserts shown.

When the contract specifies a galvanized railing, all steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications. When the contract specifies a painted railing, all posts, rail, splices, anchor devices and plates of the railing shall be painted according to the paint system for railings as specified in the General Notes.

See sheet 7 of 10 for dimensions of concrete openings at expansion joints.

TABLE OF DIMENSIONS

Location	T	A	B	C	D	E
Over Strip Seal Jt.	≤4"	2½"	1'-2"	2'-4"	7¼"	7"
Over Finger or Modular Jt.	≤9½"	5½"	1'-7¾"	3'-3½"		
Over Finger or Modular Jt.	≤15"	8¼"	2'-1¼"	4'-2½"		

T= ; total movement based on total temperature range from -20°F to 120°F along centerline of roadway at expansion joint.

BILL OF MATERIAL

Item	Unit	Quantity
Bicycle Railing	Foot	170

R-29 9-1-2022

(Sheet 2 of 2)

SHEET NO. 5 of 10 SHEETS

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
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3635 4TH AVENUE, MOLINE, IL 61265

VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

BICYCLE RAILING

DATE	REVISION
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SHEET 56 OF 70

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MODEL: 005
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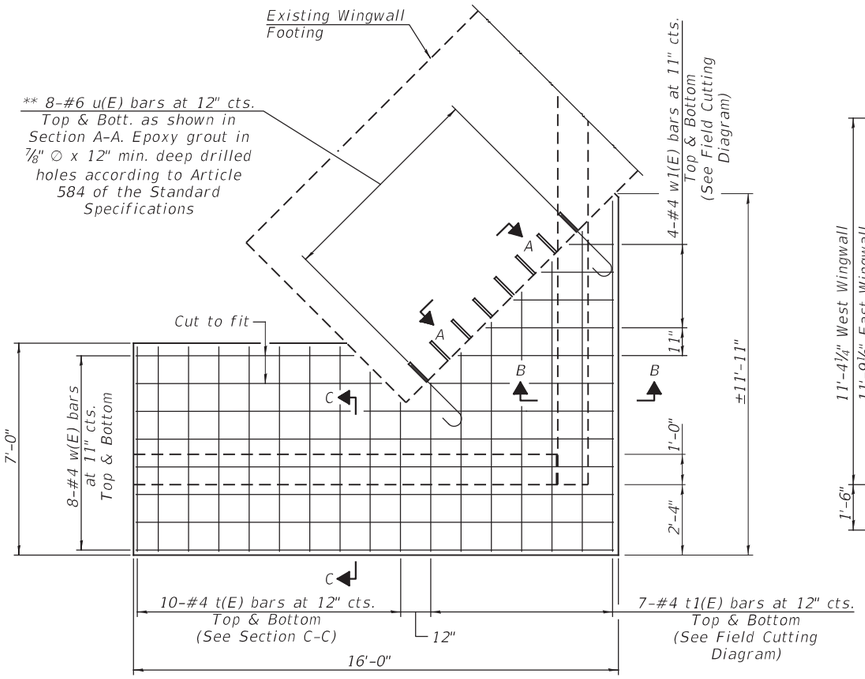
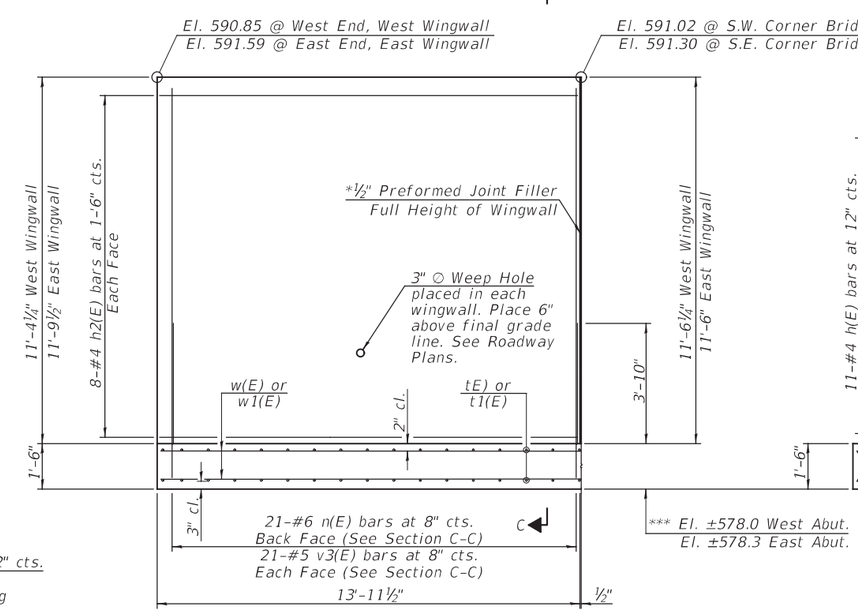
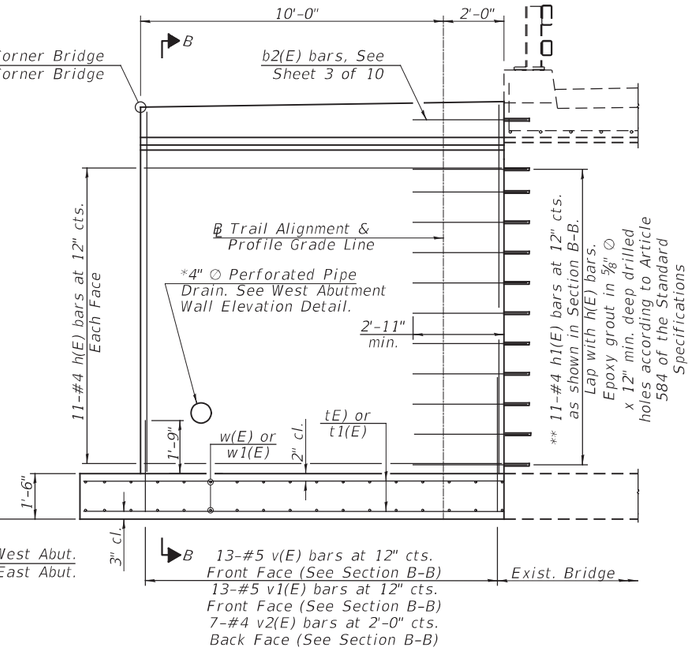


FOOTING PLAN



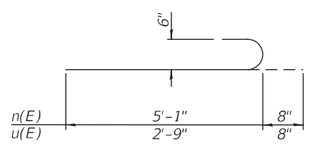
WINGWALL ELEVATION



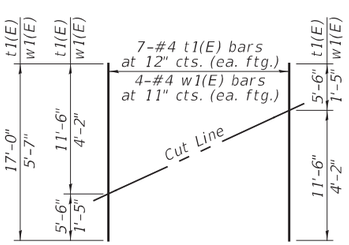
ABUTMENT WALL ELEVATION

(Looking West, East Abut. Similar)

* Cost included with Concrete Structures.
** Space to miss existing reinforcement.
*** Match bottom of existing footings.

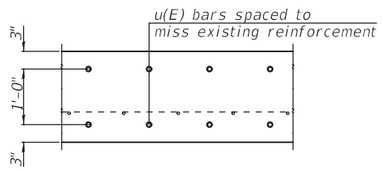


BARS n(E) & u(E)

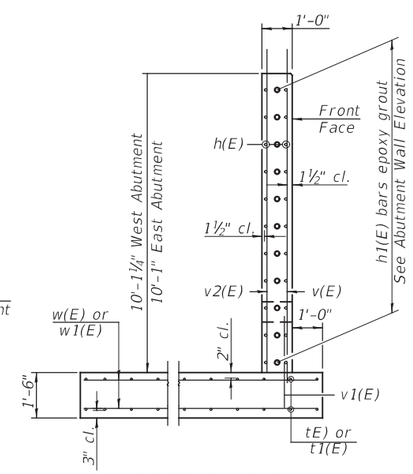


FIELD CUTTING DIAGRAM

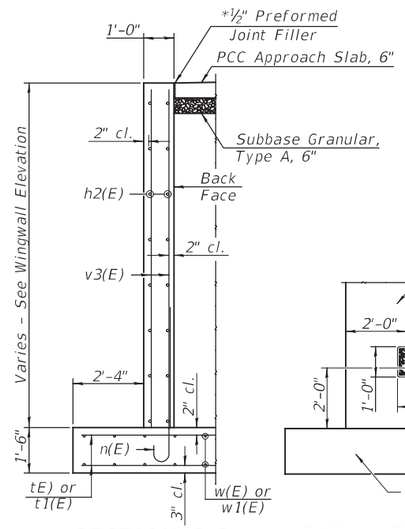
Order t1(E) and w1(E) full length. Cut as shown and use remainder of bars in opposite face.



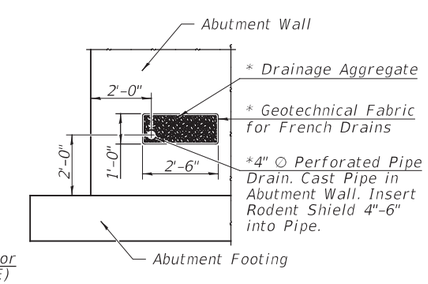
SECTION A-A



SECTION B-B



SECTION C-C



WEST ABUTMENT WALL ELEVATION

(Looking West)

BILL OF MATERIAL
TWO ABUTMENTS

Bar	No.	Size	Length	Shape
h(E)	44	#4	11'-9"	
h1(E)	22	#4	4'-0"	
h2(E)	32	#4	13'-8"	
n(E)	42	#6	5'-9"	
t(E)	40	#4	6'-9"	
t1(E)	14	#4	17'-0"	
u(E)	32	#6	3'-5"	
w(E)	32	#4	15'-9"	
w1(E)	8	#4	5'-7"	
v(E)	26	#5	11'-0"	
v1(E)	26	#5	3'-0"	
v2(E)	14	#4	11'-0"	
v3(E)	84	#5	11'-0"	
Concrete Structures			Cu. Yd.	34.3
Reinforcement Bars, Epoxy Coated			Pound	3,380

SHEET NO. 6 of 10 SHEETS

CITY OF MOLINE
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

SUBSTRUCTURE DETAILS

DATE	REVISION
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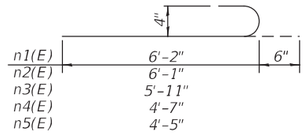
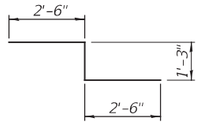
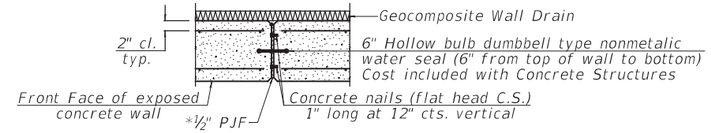
SHEET 57 OF 70



BARS n1(E), n2(E), n3(E), n4(E) or n5(E)

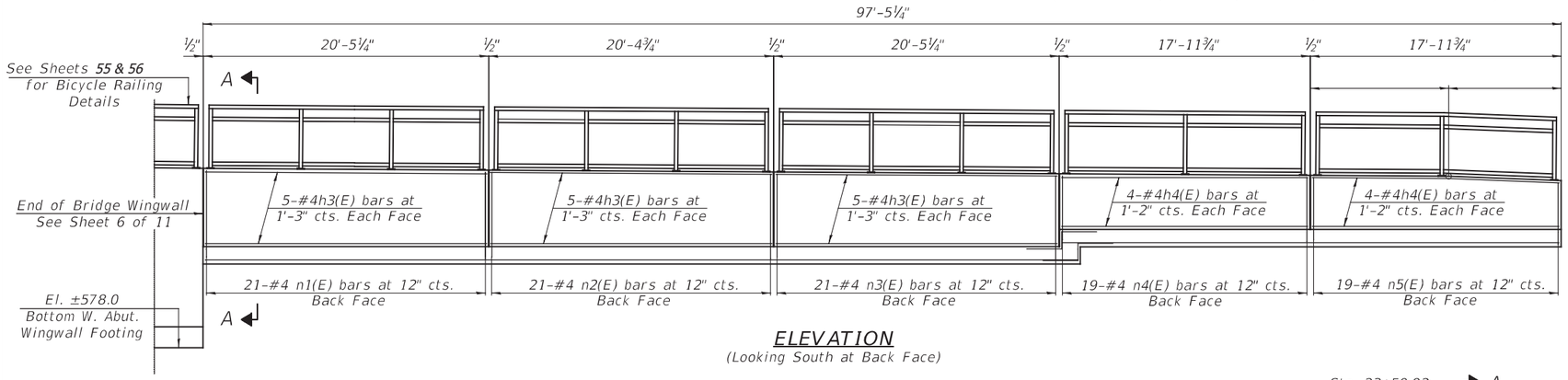


BARS w4(E)



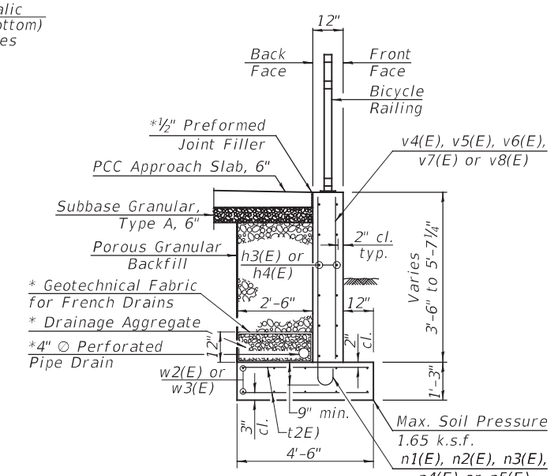
EXPANSION JOINT

(Sta. 22+82.00, 23+00.02, 23+20.50, 23+40.94 and 23+61.44)



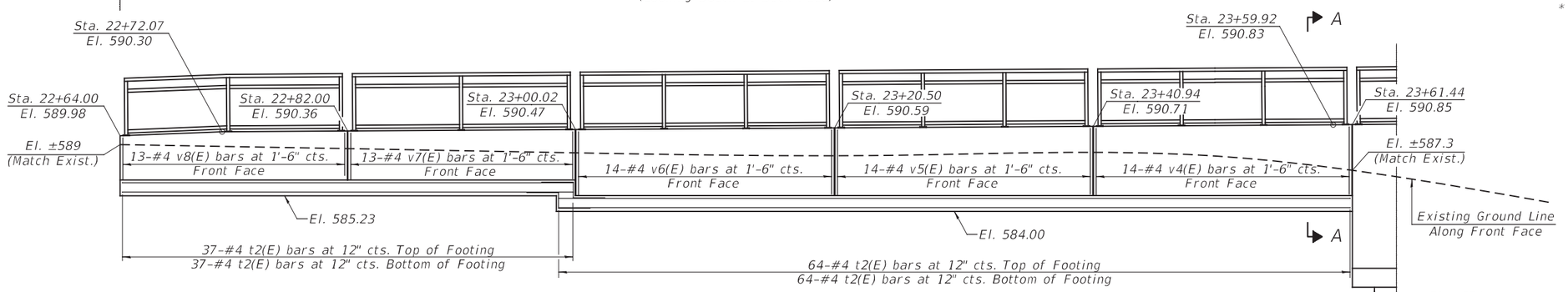
ELEVATION

(Looking South at Back Face)



SECTION A-A

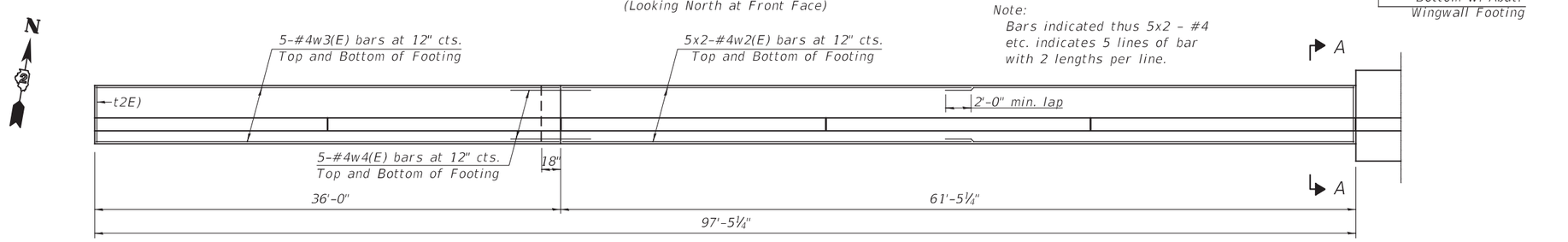
* Cost included with Concrete Structures



ELEVATION

(Looking North at Front Face)

Note:
Bars indicated thus 5x2 - #4 etc. indicates 5 lines of bar with 2 lengths per line.



PLAN

BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h3(E)	30	#4	20'-0"	
h4(E)	16	#4	17'-7"	
n1(E)	21	#4	6'-8"	
n2(E)	21	#4	6'-7"	
n3(E)	21	#4	6'-5"	
n4(E)	19	#4	5'-1"	
n5(E)	19	#4	4'-11"	
t2(E)	202	#4	4'-2"	
w2(E)	20	#4	31'-7"	
w3(E)	10	#4	35'-8"	
w4(E)	10	#4	6'-3"	
v4(E)	14	#4	5'-4"	
v5(E)	14	#4	5'-2"	
v6(E)	14	#4	5'-1"	
v7(E)	13	#4	3'-8"	
v8(E)	13	#4	3'-4"	
Concrete Structures			Cu. Yd.	38.1
Reinforcement Bars, Epoxy Coated			Pound	2,460

SHEET NO. 7 of 10 SHEETS

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
(309) 524-2350
3635 4TH AVENUE, MOLINE, IL 61265

VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

RETAINING WALL

DATE	REVISION
----	----

NORTH

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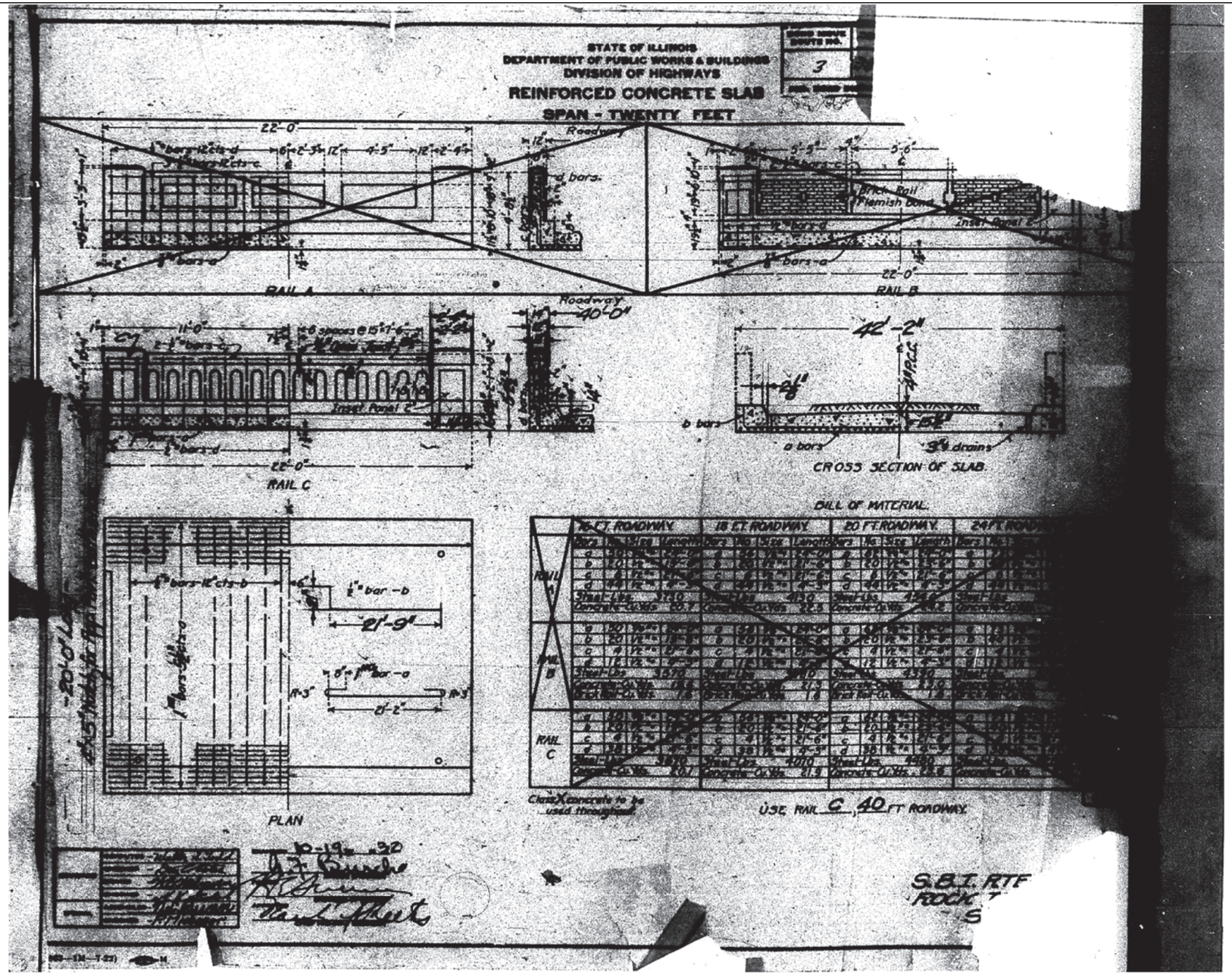
SCALE: ___

Date: 3-21-2025

Project: #3205

Designer: ----

SHEET 58 OF 70



SHEET NO. 8 of 10 SHEETS

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
(309) 524-2350
3635 4TH AVENUE, MOLINE, IL 61265

VEENSTRA & KIMM INC.
1800 5th Avenue
Rock Island, IL 61201
309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EXISTING STRUCTURE

DATE	REVISION
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NORTH

SCALED FOR 11"X17" PAPER

SCALE: ___

Date: 3-21-2025

Project: #3205

Designer: ----

SHEET 59 OF 70

PLOTTED: 8/21/2023 , 2:33:56 PM

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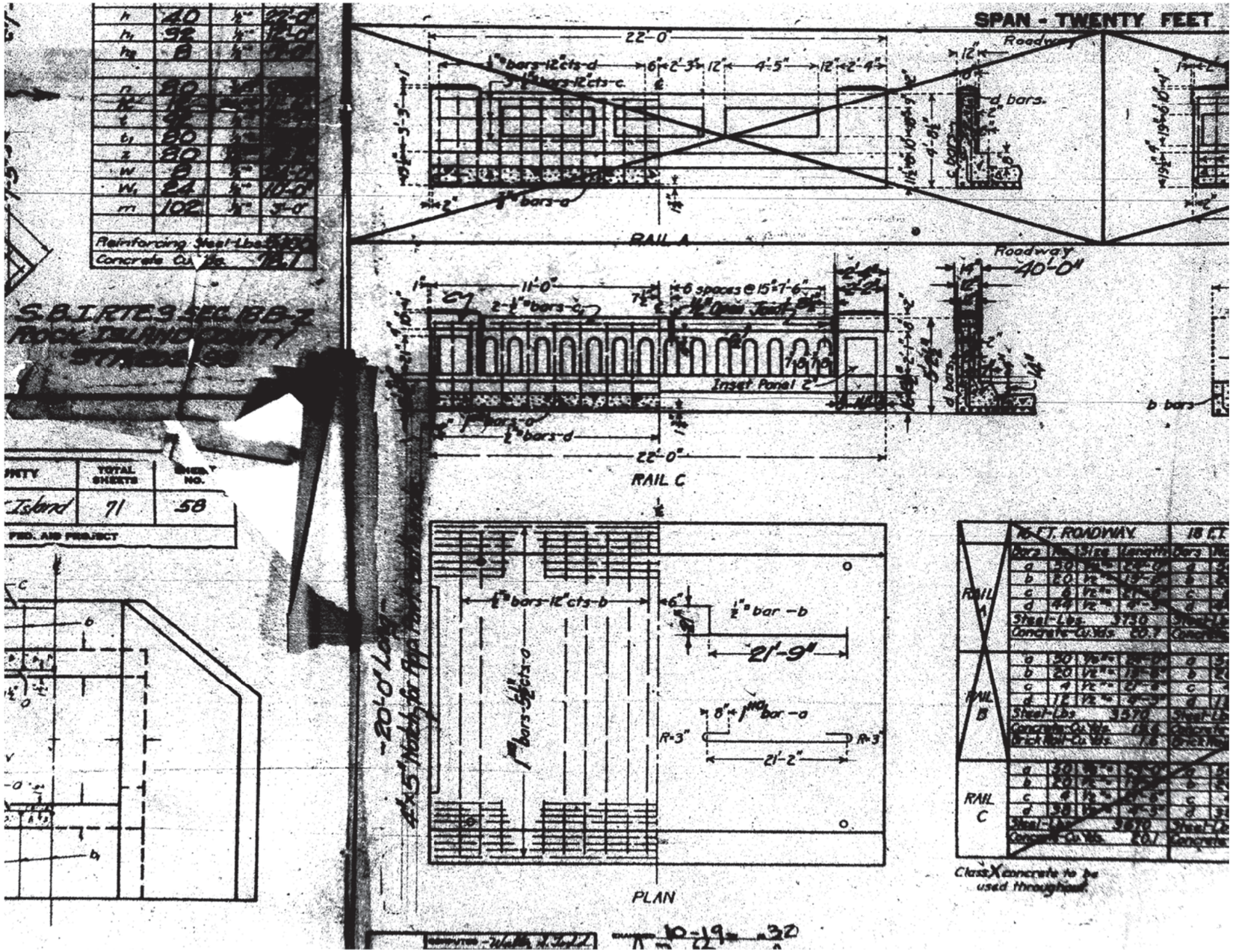

SHEET NO. 9 of 10 SHEETS

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
(309) 524-2350
3635 4TH AVENUE, MOLINE, IL 61265

VEENSTRA & KIMM INC.
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EXISTING STRUCTURE

DATE	REVISION
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NORTH

SCALED FOR 11"X17" PAPER

SCALE: ___

Date: 3-21-2025

Project: #3205

Designer: ----

SHEET 60 OF 70

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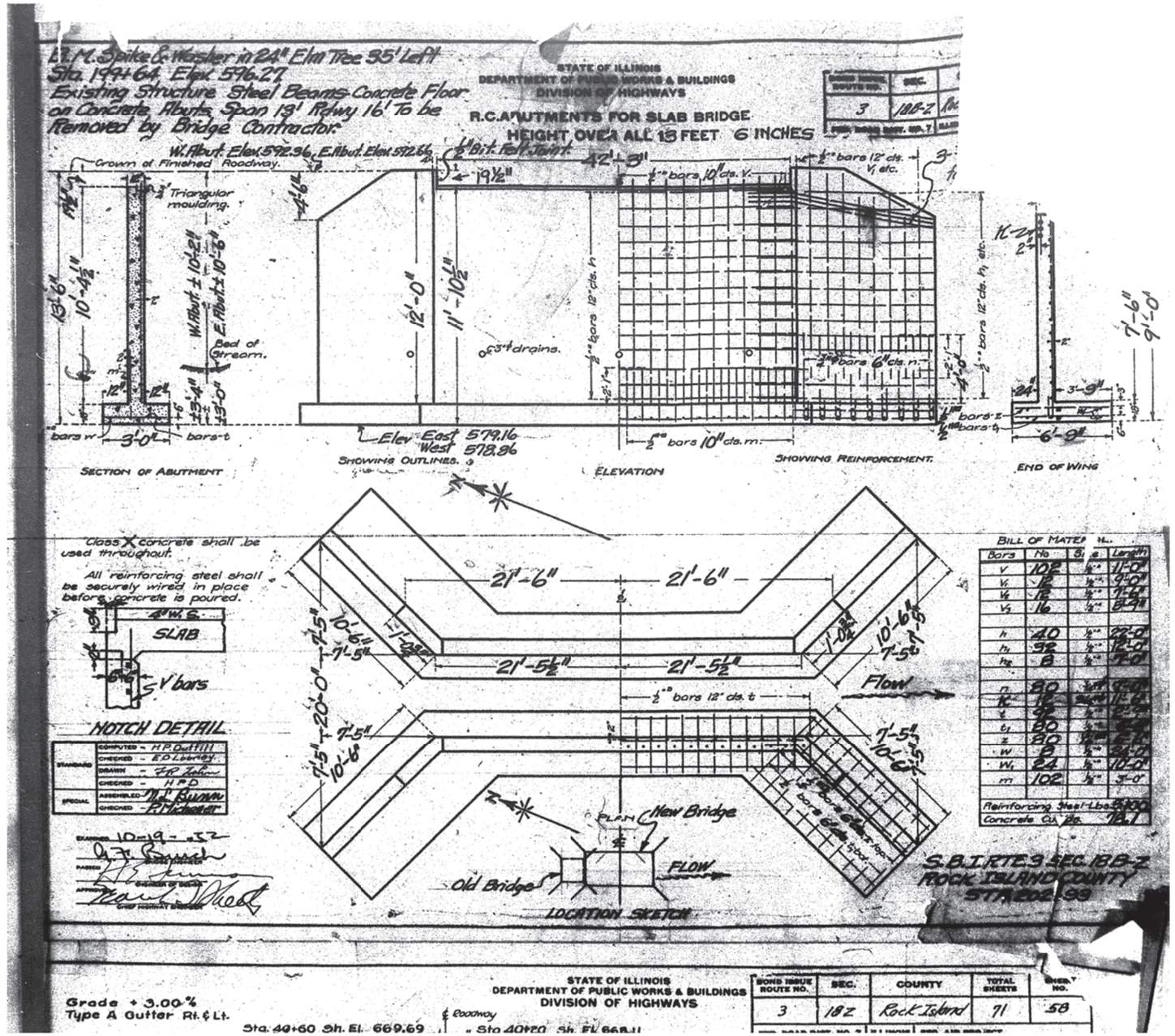

SHEET NO. 10 of 10 SHEETS

CITY OF MOLINE
PUBLIC WORKS DEPARTMENT
ENGINEERING DIVISION
(309) 524-2350
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VEENSTRA & KIMM INC.
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

EXISTING STRUCTURE

DATE	REVISION
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NORTH

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SCALE: ___

Date: 3-21-2025

Project: #3205

Designer: ----

SHEET 61 OF 70

PLOTTED: 8/21/2023 , 2:34:55 PM

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PLOTTED: Monday, March 24, 2025 2:40:07 PM

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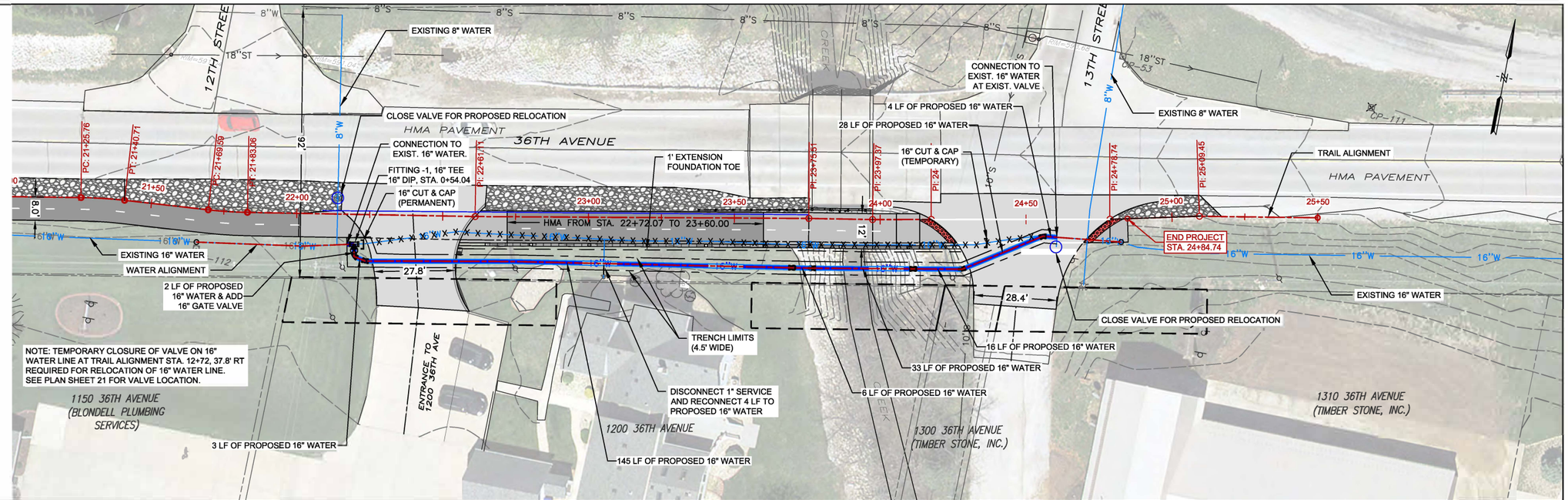
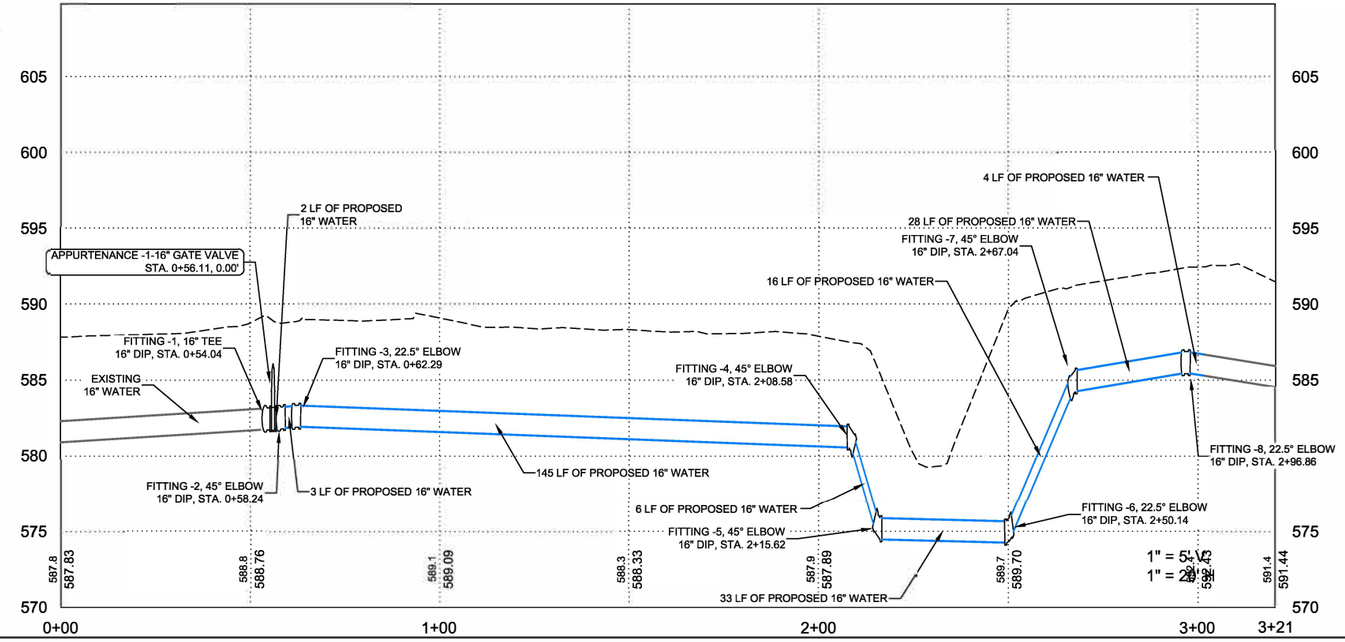
FILE PATH: C:\CIVIL 3D PROJECTS\MOLINE 3205 36TH AVENUE BIKE PATH\DRAWINGS_REPORT DRAWINGS\3205 PLAN & PROFILE REPORT ALIGN EDIT

WATER MAIN SEQUENCING:

1. CLOSE VALVES AS CALLED OUT ON PLAN DRAWING FOR TEMPORARY LINE ISOLATION.
2. CUT IN 16" TEE (FITTING 1) AT WATER ALIGN. STA. 0+54.04 (SEE PROFILE) AND NEW 16" GATE VALVE OFF OF TEE TO THE SOUTH. CONNECT EXISTING 16" WATER TO TEE (TO EAST) TO MAINTAIN SERVICE TO PROPERTY 1200 36TH AVE (CURRENTLY TIED TO 16" WATER LINE).
3. RE-OPEN EXISTING VALVES WHILE PROPOSED 16" GATE TO REMAIN CLOSED.
4. INSTALL PROPOSED 16" WATER LINE FROM 16" GATE VALVE RUNNING EAST TO CONNECTION AT 13TH STREET.
5. WHEN READY FOR CONNECTION OF NEW 16" WATER TO EXISTING 16" WATER AT 13TH, TEMPORARILY RE-CLOSE EXISTING VALVES (MAINTAIN CLOSURE OF NEW 16" GATE VALVE), PROVIDE TEMPORARY CUT/CAP AT 13TH STREET AND CONNECT TO EXISTING 16" WATER AT 13TH.
6. ONCE TEMP. CAP INSTALLED AT 13TH AND CONNECTION TO EXISTING 16" IS PERFORMED, KEEP 13TH STREET EXISTING 16" WATER VALVE CLOSED AND RE-OPEN 16" WATER VALVE AT 12+72, 37.8' RT AND 8" VALVE SHOWN ON DRAWING. THIS WILL ALLOW WATER TO 1200 36TH AVENUE DURING DISINFECTION AND TESTING OF NEW 16" WATER.
7. PRESSURE TEST AND DISINFECT NEW 16" WATER LINE.
8. UPON COMPLETION OF DISINFECTION AND PRESSURE TESTING, RE-CLOSE ALL VALVING AND PERMANENTLY CUT AND CAP 16" WATER LINE JUST EAST OF NEW TEE FITTING. DISCONNECT AND RECONNECT EXISTING WATER SERVICE TO 1200 36TH AVENUE TO PROPOSED 16" WATER.
9. RE-OPEN ALL VALVING FOR FULL CONTINUATION OF WATER MAIN SERVICE.
10. REMOVE EXISTING 16" WATER LINE AS SHOWN ON PLAN DRAWINGS AND DENOTED ON REMOVAL SHEETS.



WATER PIPE TABLE						
PIPE ID	DIA (IN)	LENGTH (FT)	START STATION (WATER ALIGN.)	START STATION (TRAIL ALIGN.)	END STATION (WATER ALIGN.)	END STATION (TRAIL ALIGN.)
Pressure Pipe -1	16"	2	0+55.29	=22+19.81, 11.45' RT	0+57.42	=22+19.85, 13.59' RT
Pressure Pipe -2	16"	3	0+58.90	=22+20.55, 14.60' RT	0+61.63	=22+23.09, 15.61' RT
Pressure Pipe -3	16"	145	0+62.96	=22+24.37, 15.85' RT	2+07.91	=23+69.12, 16.83' RT
Pressure Pipe -4	16"	6	2+09.06	=23+70.27, 16.85' RT	2+15.13	=23+76.54, 16.93' RT
Pressure Pipe -5	16"	33	2+16.28	=23+77.69, 16.92' RT	2+49.48	=24+10.57, 16.81' RT
Pressure Pipe -6	16"	16	2+50.73	=24+11.82, 16.82' RT	2+66.50	=24+27.59, 16.94' RT
Pressure Pipe -7	16"	28	2+67.70	=24+28.74, 16.70' RT	2+96.18	=24+55.14, 6.01' RT
Pressure Pipe -8	16"	4	2+97.53	=24+56.43, 5.81' RT	3+01.71	=24+60.61, 6.13' RT
TOTAL		237				



Fitting & Appurtenance Table					
NAME	SIZE	MATERIAL	TYPE	STATION (WATER ALIGN.)	STATION (TRAIL ALIGN.)
Fitting -1	16 In X 16 In X 16 In	Ductile Iron	16" Tee	0+54.04	=22+19.79, 10.20 R
Fitting -2	16 In X 16 In	Ductile Iron	45.0° Elbow	0+58.24	=22+19.99, 14.24 R
Fitting -3	16 In X 16 In	Ductile Iron	22.5° Elbow	0+62.29	=22+23.71, 15.86 R
Fitting -4	16 In X 16 In	Ductile Iron	45.0° Elbow	2+08.58	=23+69.78, 16.84 R
Fitting -5	16 In X 16 In	Ductile Iron	45.0° Elbow	2+15.62	=23+77.02, 16.93 R
Fitting -6	16 In X 16 In	Ductile Iron	22.5° Elbow	2+50.14	=24+11.23, 16.81 R
Fitting -7	16 In X 16 In	Ductile Iron	45.0° Elbow	2+67.04	=24+28.13, 16.98 R
Fitting -8	16 In X 16 In	Ductile Iron	22.5° Elbow	2+96.86	=24+55.77, 5.78 R
Appt-1	16"	Ductile Iron	16" Gate Valve	0+56.11	=22+19.85, 12.39 R

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309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

WATER MAIN RELOCATION PLAN

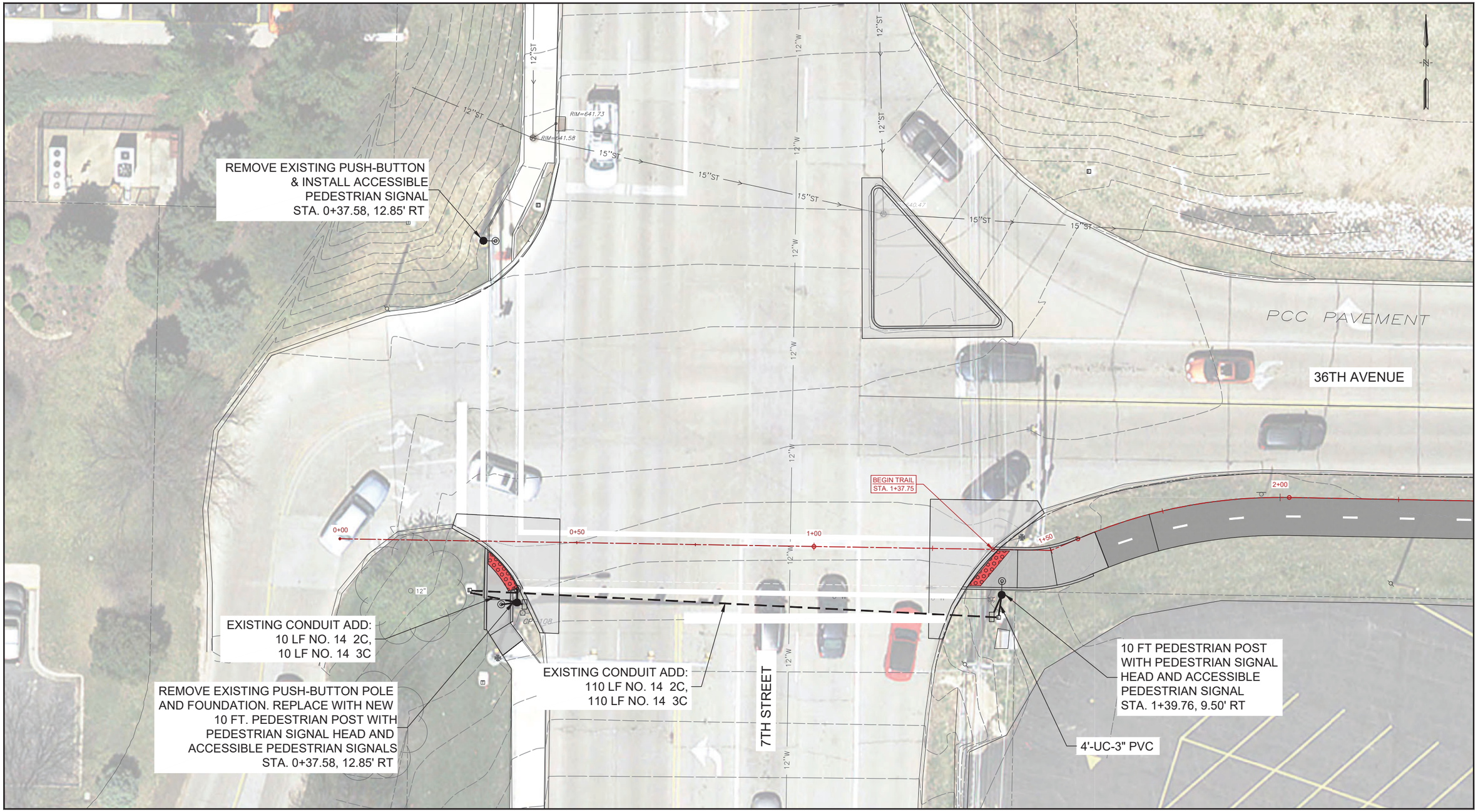
DATE	REVISION

NORTH

SCALED FOR 11"X17" PAPER
0 20' 40'
SCALE: 1" = 40'

Date 3-21-2025
Project #3205
Designer EWL

SHEET 62 OF 70



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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

TRAFFIC SIGNAL & WIRING PLAN

DATE	REVISION

NORTH

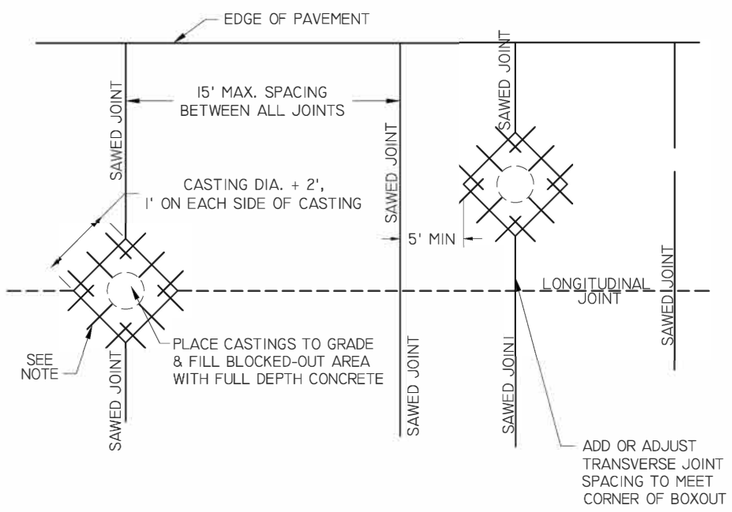
SCALED FOR 11"X17" PAPER

0' 10' 20'

SCALE: 1" = 20'

Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 63 OF 70

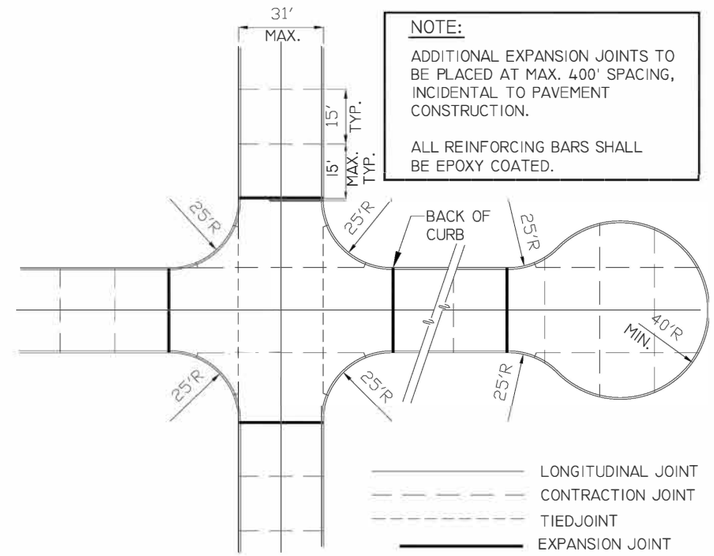


MANHOLE BOX-OUT DETAIL

NOTE:
ALL BOXOUTS SHALL BE TIED TO THE MAINLINE PAVEMENT WITH #6 X 18" BARS @ 18" O.C ALL SIDES.

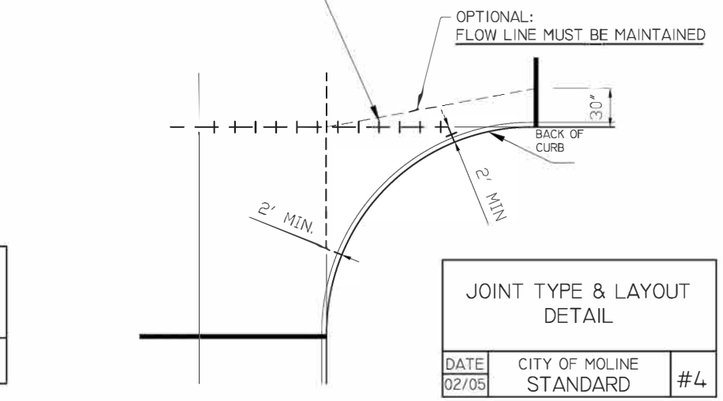
ALL REINFORCING BARS SHALL BE EPOXY COATED.

MANHOLE BOX OUT DETAIL		
DATE 12/05	CITY OF MOLINE STANDARD	#3

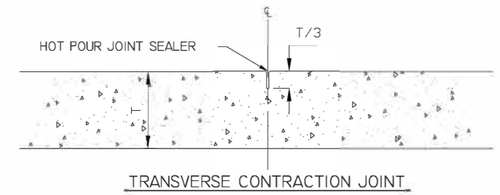


NOTE:
ADDITIONAL EXPANSION JOINTS TO BE PLACED AT MAX. 400' SPACING, INCIDENTAL TO PAVEMENT CONSTRUCTION.

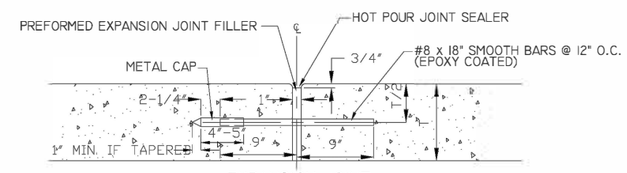
ALL REINFORCING BARS SHALL BE EPOXY COATED.



JOINT TYPE & LAYOUT DETAIL		
DATE 02/05	CITY OF MOLINE STANDARD	#4



TRANSVERSE CONTRACTION JOINT

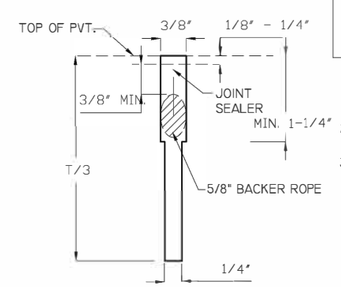


EXPANSION JOINT

NOTES:
HOLES SHALL BE DRILLED IN PREFORMED EXPANSION JOINT FILLER.

NO SLOTS OR GAPS WILL BE ALLOWED.

DOWEL BARS SHALL BE GREASED TO THE SATISFACTION OF THE ENGINEER.



JOINT FILLER

1. AFTER SAWING FLUSH JOINT WITH WATER OR AIR.
2. CLEAN BY SAND BLASTING UNTIL SURFACES ARE FREE OF SAWCUTTING FINES
3. JUST PRIOR TO INSTALLATION OF BACKER ROPE, BLOW WITH OIL AND WATER FREE COMPRESSED AIR TO ELIMINATE SAND AND WATER.

CONSTRUCTION JOINT & EXPANSION JOINT DETAIL		
DATE 12/05	CITY OF MOLINE STANDARD	#5

CITY OF MOLINE
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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CITY OF MOLINE STANDARDS

DATE	REVISION

NORTH

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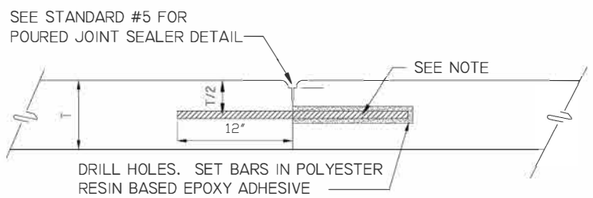
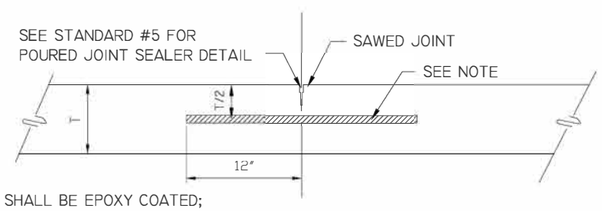
Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 64 OF 70



BARS SHALL BE EPOXY COATED;
#6 DEFORMED, 24" LG. AT 24" CTRS. FOR LONG CONST. JT.
#6 DEFORMED, 24" LG. AT 18" CTRS. FOR TRANS. CONST. JT.

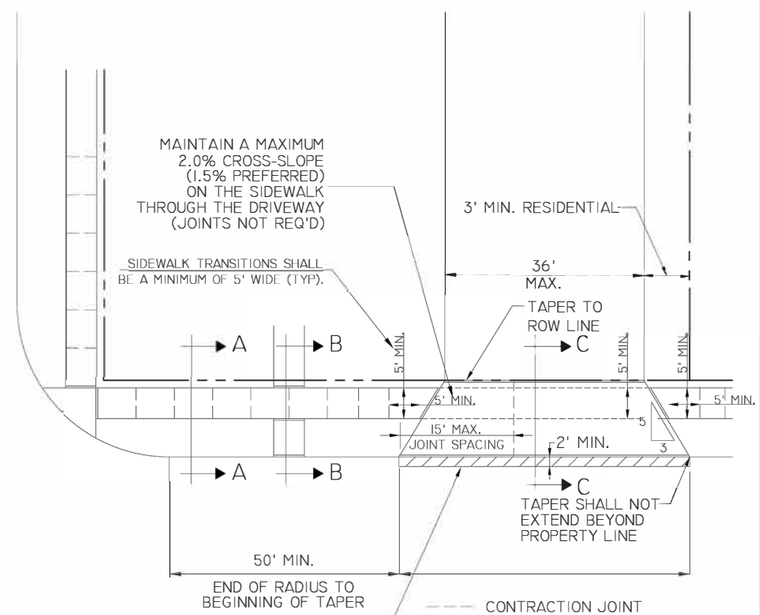
CONSTRUCTION JOINT



BARS SHALL BE EPOXY COATED;
#6 DEFORMED 24" LG. AT 24" CTRS.

SAWED LONGITUDINAL CONTRACTION JOINT

LONGITUDINAL JOINT & TRANSVERSE JOINT DETAIL		
DATE 10/11	CITY OF MOLINE STANDARD	#7



CONTRACTION JOINT
5' MAXIMUM SPACING

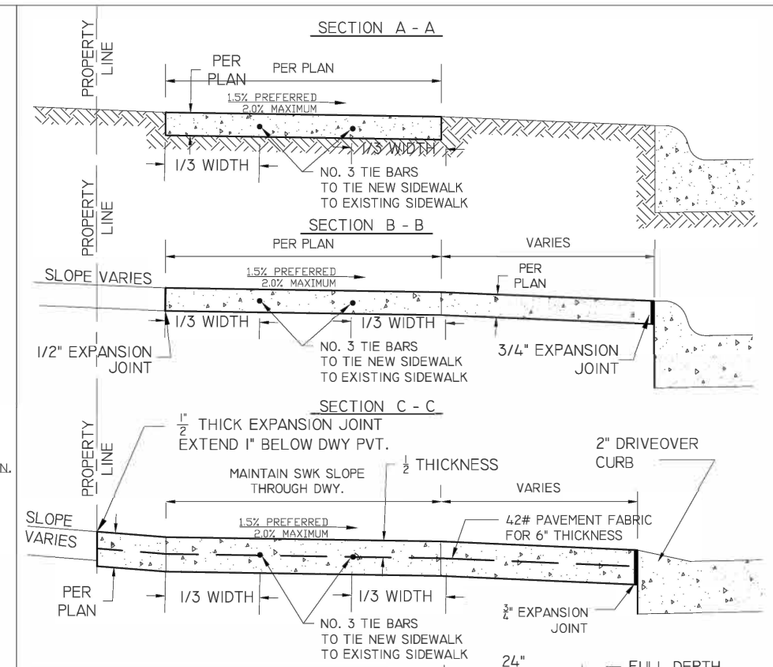
3/4" EXPANSION JOINT
100' MAXIMUM SPACING
AND AT OTHER SIDEWALKS,
PROPERTY LINES, & BACK OF CURB.
ALL EXPANSION JOINTS
SHALL BE SET 3/8" BELOW GRADE
AND SEALED WITH AN APPROVED
POURED JOINT SEALER

RESIDENTIAL/COMMERCIAL DRIVEWAY
& SIDEWALK DETAILS

REPLACE A MINIMUM OF ONE 5' SECTION
OF SIDEWALK ON EACH SIDE OF A
DRIVEWAY TO ENSURE CORRECT
ADA TRANSITIONS THROUGH THE APPROACH

DRIVEWAY DEPTH SHALL BE A MINIMUM OF 6"
WITH 42# WIRE MESH OR A MINIMUM OF 7"
UNREINFORCED

RESIDENTIAL/COMMERCIAL DRIVEWAY & SIDEWALK DETAILS		
DATE 01/23	CITY OF MOLINE STANDARD	#8



NOTE:

CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE OF ILL. STANDARD SPECIFICATIONS

NO MORE THAN ONE DRIVEWAY PER LOT

WHERE THE STREET PAVEMENT HAS 6" CURB, THE CURB SHALL BE REMOVED & REPLACED AS SHOWN IN DETAIL 1

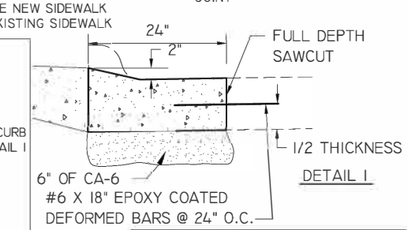
DRIVEWAY PAVEMENT SHALL BE 6" REINFORCED OR 7" UNREINFORCED P.C.C.

REINFORCING SHALL BE MESH WEIGHING 42 LBS. PER 100 SQUARE FEET.

ALL JOINTS AT BACK OF CURB AND ALL EXPANSION JOINTS SHALL BE SET 3/8" BELOW GRADE AND SEALED WITH AN APPROVED POURED JOINT SEALER.

WHERE THE STREET PAVEMENT HAS 4" DRIVEOVER CURB, THE CURB MAY REMAIN INTACT. NO MATERIAL SHALL BE PLACED IN THE GUTTER.

BARS TO BE 18" LONG, DRILLED AND EPOXIED 9" INTO EXISTING PAVEMENT



DETAIL 1

TYPICAL BOULEVARD SECTIONS DETAIL		
DATE 01/23	CITY OF MOLINE STANDARD	#9

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PUBLIC WORKS DEPARTMENT
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309-786-7590

36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CITY OF MOLINE STANDARDS

DATE	REVISION

NORTH

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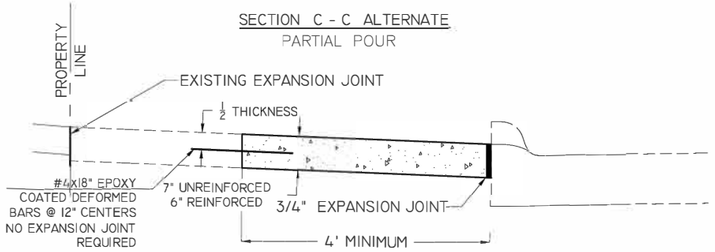
SCALE: --

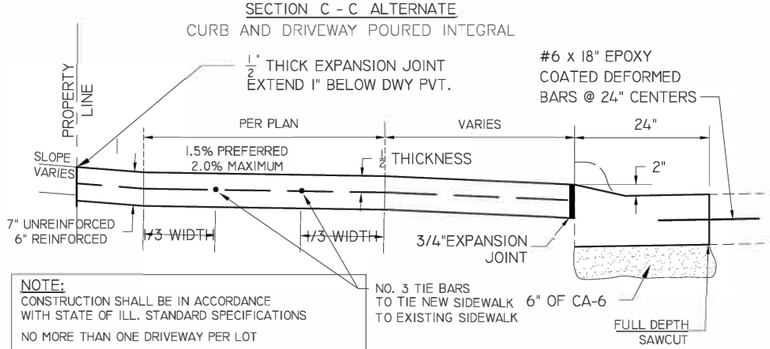
Date	3-21-2025
Project	#3205
Designer	EWL

SHEET 65 OF 70

SECTION C - C ALTERNATE
PARTIAL POUR



SECTION C - C ALTERNATE
CURB AND DRIVEWAY POURED INTEGRAL



NOTE:
CONSTRUCTION SHALL BE IN ACCORDANCE WITH STATE OF ILL. STANDARD SPECIFICATIONS

NO MORE THAN ONE DRIVEWAY PER LOT

WHERE THE STREET PAVEMENT HAS 6" CURB, THE CURB SHALL BE REMOVED & REPLACED AS SHOWN IN DETAIL 1 ON STND SHEET 9 OR C-C ALT. CURB MAY BE CUT OFF WITH A SAW DESIGNED FOR THIS APPLICATION.

DRIVEWAY PAVEMENT SHALL BE 6" REINFORCED OR 7" PLAIN P.C.C.

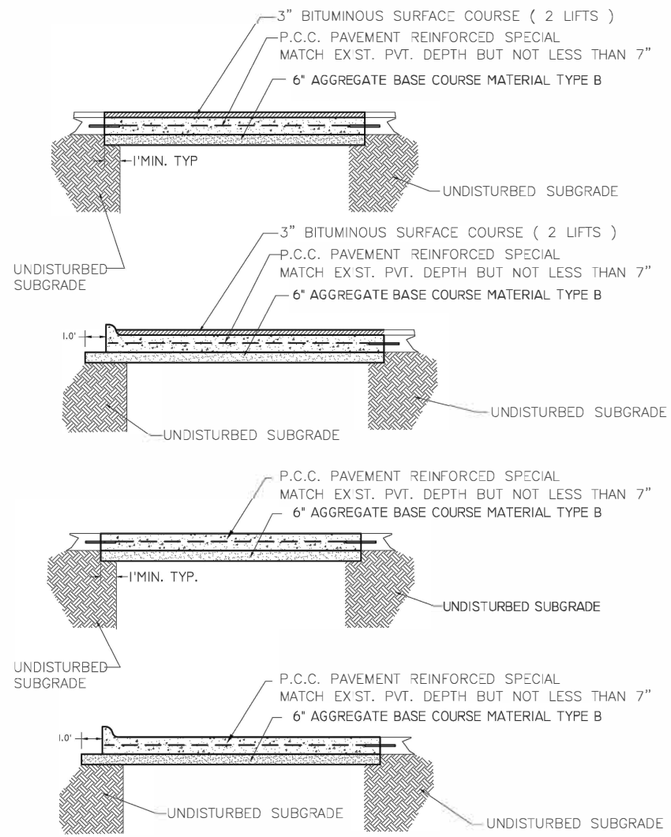
REINFORCING SHALL BE MESH WEIGHING 42 LBS. PER 100 SQUARE FEET.

ALL JOINTS AT BACK OF CURB AND ALL EXPANSION JOINTS SHALL BE SET 3/8" BELOW GRADE AND SEALED WITH AN APPROVED POURED JOINT SEALER.

WHERE THE STREET PAVEMENT HAS 4" DRIVEOVER CURB, THE CURB MAY REMAIN INTACT. NO MATERIAL WILL BE ALLOWED TO BE PLACE IN THE GUTTER.

BARS TO BE 18" LONG, DRILLED AND EPOXIED 9" INTO EXISTING PAVEMENT

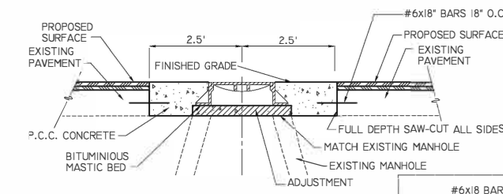
TYPICAL BOULEVARD SECTIONS DETAIL		
DATE 01/23	CITY OF MOLINE STANDARD	#10



NOTE:
BARS TO BE #6 x 18" LONG, DEFORMED, EPOXY COATED DRILLED & EPOXIED 9" INTO EXISTING PAVEMENT
@ 24" O.C. LONGITUDINALLY, BOTH SIDES
@ 18" O.C. TRANSVERSELY, BOTH ENDS

63# WIRE MESH SHALL BE USED IN ALL PAVEMENT PATCHES.

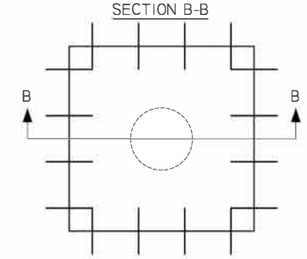
PAVEMENT PATCHING DETAIL		
DATE 01/17	CITY OF MOLINE STANDARD	#11



NOTE:
SEE SECTION 602 OF THE CITY OF MOLINE SUPPLEMENTAL SPECIFICATION FOR ADJUSTMENT SPECIFICATIONS

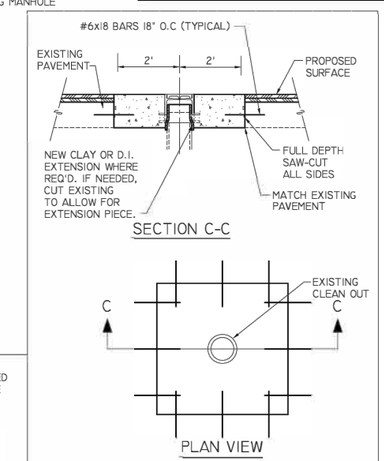
THE CITY OF MOLINE WILL FURNISH ALL FRAMES AND LIDS. THE CONTRACTOR SHALL TRANSPORT FRAMES AND LIDS TO THE JOBSITE AND DELIVER EXISTING FRAMES AND LIDS TO THE CITY'S STORAGE FACILITY

SECTION B-B



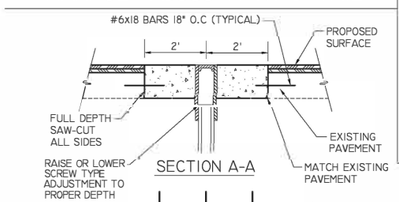
PLAN VIEW

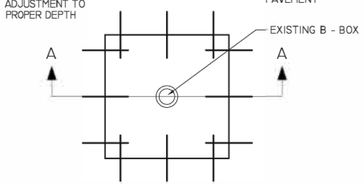
MANHOLE ADJUSTMENT DETAIL



PLAN VIEW

CLEAN OUT ADJUSTMENT DETAIL





PLAN VIEW

B - BOX ADJUSTMENT DETAIL

NOTE:
ALL REINFORCING BARS SHALL BE EPOXY COATED

TYPICAL ADJUSTMENT DETAIL		
DATE 01/17	CITY OF MOLINE STANDARD	#13

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36TH AVENUE BIKE PATH

FROM 7TH TO 13TH STREET

CITY OF MOLINE STANDARDS

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Date	3-21-2025
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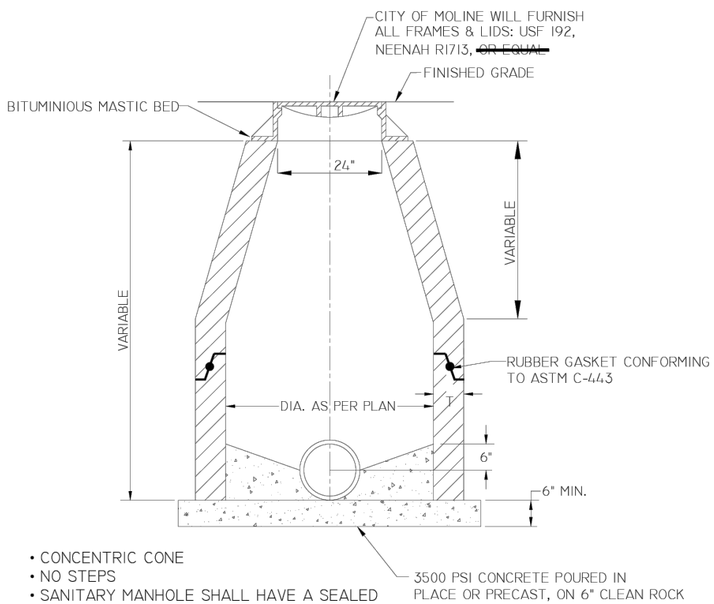
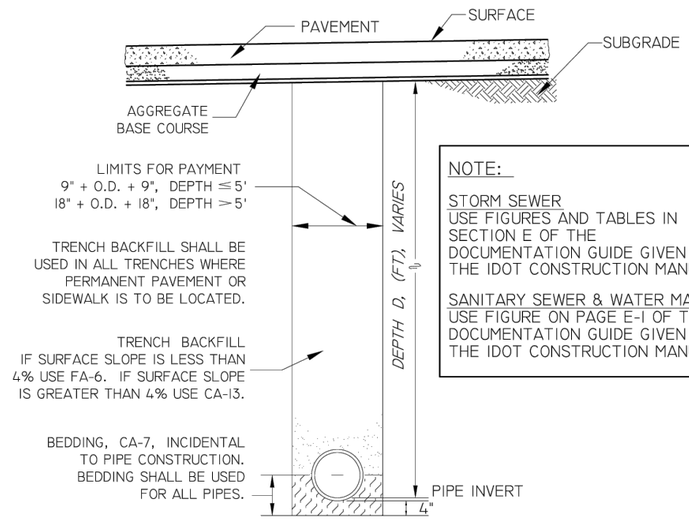
SHEET 66 OF 70

MATERIAL WALL THICKNESS (T)
PRE-CAST CONC.- MIN. 1/12 OF INSIDE DIAMETER
CAST-IN-PLACE CONC. MIN. 6"



- CONCENTRIC CONE
- NO STEPS
- SANITARY MANHOLE SHALL HAVE A SEALED EXTERIOR SEALED WITH BITUMASTIC MATERIAL MEETING FEDERAL SPECIFICATION SSCI53C, TYPE I OR SSA 649D.
- THE CITY OF MOLINE WILL FURNISH ALL FRAMES AND LIDS.
  THE CONTRACTOR MUST TRANSPORT ALL NEW FRAMES AND LIDS TO THE JOBSITE, AND MUST DELIVER ALL EXISTING FRAMES AND LIDS TO THE CITY'S STORAGE FACILITY.

TYPICAL MANHOLE DETAIL		
DATE 01/23	CITY OF MOLINE STANDARD	#14

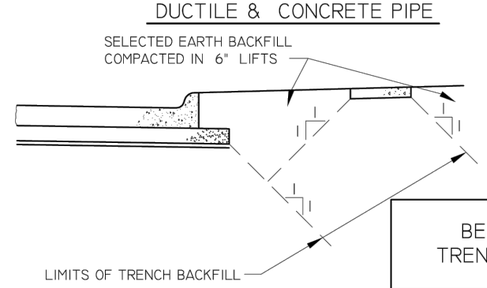


NOTE:

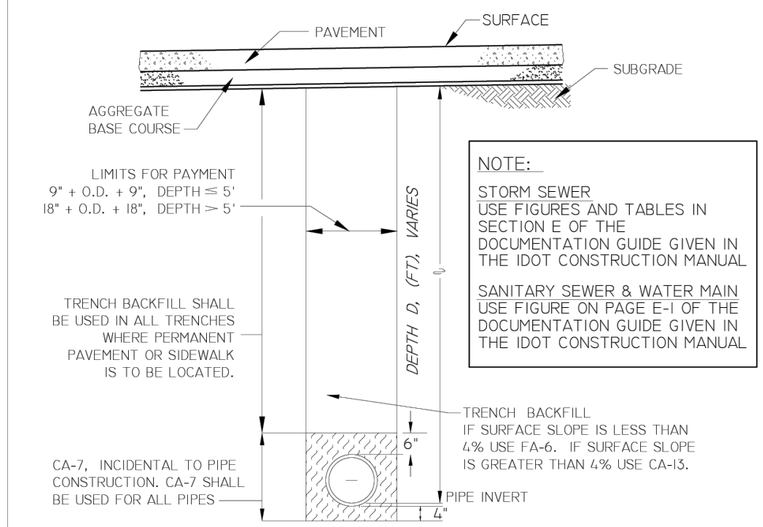
STORM SEWER
USE FIGURES AND TABLES IN SECTION E OF THE DOCUMENTATION GUIDE GIVEN IN THE IDOT CONSTRUCTION MANUAL

SANITARY SEWER & WATER MAIN
USE FIGURE ON PAGE E-1 OF THE DOCUMENTATION GUIDE GIVEN IN THE IDOT CONSTRUCTION MANUAL

TYPICAL TRENCH BACKFILL SECTION
DUCTILE & CONCRETE PIPE



BEDDING AND TRENCH BACKFILL		
DATE 01/17	CITY OF MOLINE STANDARD	#19

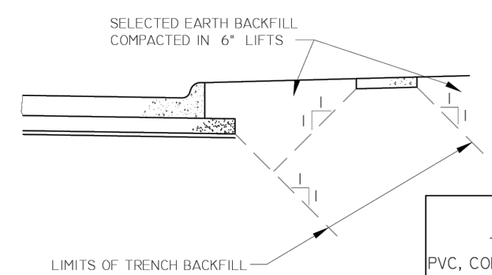


NOTE:

STORM SEWER
USE FIGURES AND TABLES IN SECTION E OF THE DOCUMENTATION GUIDE GIVEN IN THE IDOT CONSTRUCTION MANUAL

SANITARY SEWER & WATER MAIN
USE FIGURE ON PAGE E-1 OF THE DOCUMENTATION GUIDE GIVEN IN THE IDOT CONSTRUCTION MANUAL

TYPICAL TRENCH BACKFILL SECTION
PVC, CORRUGATED PVC & HP PIPE



BEDDING AND TRENCH BACKFILL PVC, CORRUGATED PVC & HP PIPE		
DATE 01/23	CITY OF MOLINE STANDARD	#20

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Project	#3205
Designer	EWL

SHEET 67 OF 70

NO PART OF PIPE SHALL BE PLACED WITHIN 9 INCHES OF ℄ OF BEAMS.

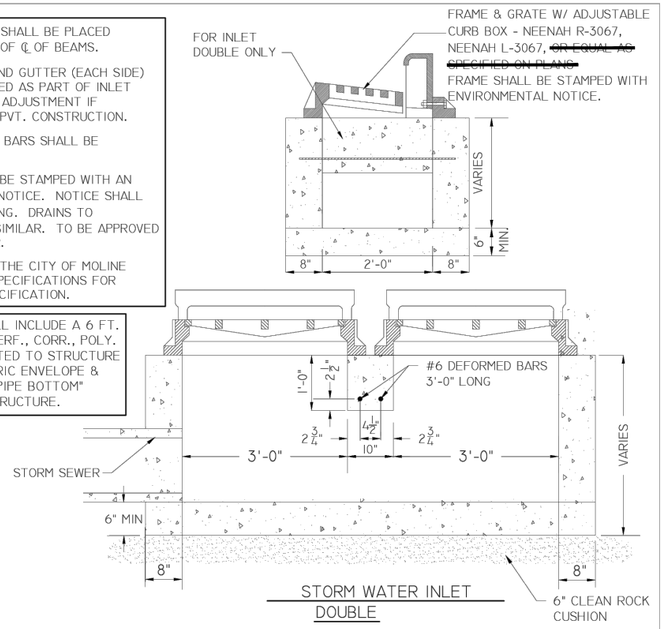
2 L.F. OF CURB AND GUTTER (EACH SIDE) SHALL BE INCLUDED AS PART OF INLET CONSTRUCTION & ADJUSTMENT IF NOT WITHIN NEW PVT. CONSTRUCTION.

ALL REINFORCING BARS SHALL BE EPOXY COATED.

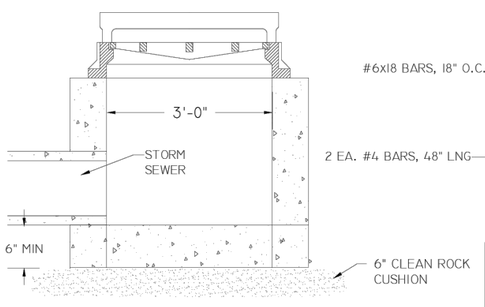
CURB BOX SHALL BE STAMPED WITH AN ENVIRONMENTAL NOTICE. NOTICE SHALL STATE "NO DUMPING. DRAINS TO WATERWAY." OR SIMILAR. TO BE APPROVED BY THE ENGINEER.

SEE SEC. 602 OF THE CITY OF MOLINE SUPPLEMENTAL SPECIFICATIONS FOR ADJUSTMENT SPECIFICATION.

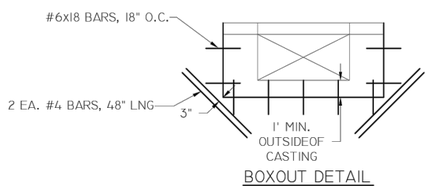
STRUCTURE SHALL INCLUDE A 6 FT. LENGTH OF 4", PERF., CORR., POLY. TUBING, CONNECTED TO STRUCTURE ENCASED IN FABRIC ENVELOPE & PLACED "ALONG PIPE BOTTOM" UPSTREAM OF STRUCTURE.



STORM WATER INLET
DOUBLE

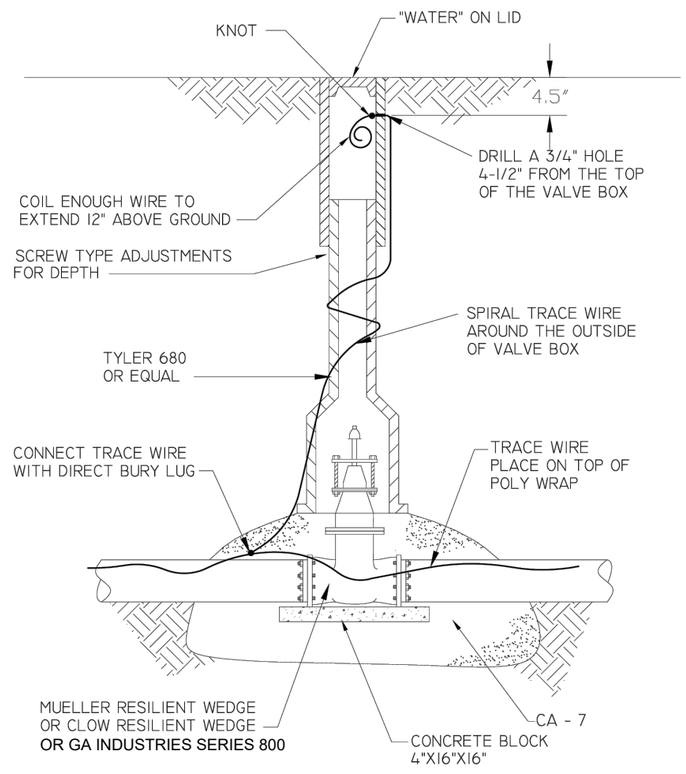


STORM WATER INLET
SINGLE

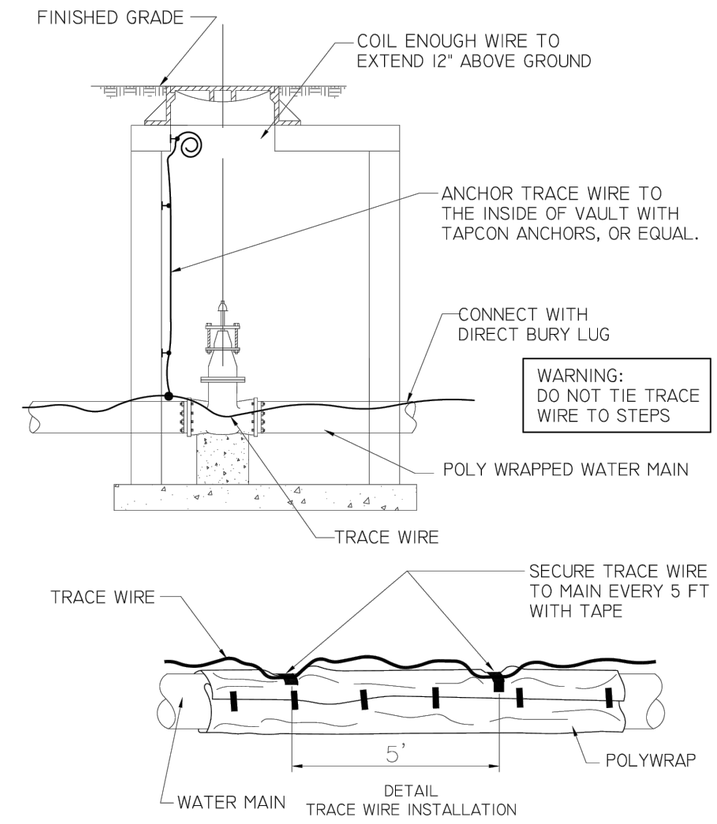


BOXOUT DETAIL

INLET SINGLE/DOUBLE DETAIL		
DATE 01/23	CITY OF MOLINE STANDARD	#21



GATE VALVE BOX INSTALLATION		
DATE 1/10	CITY OF MOLINE STANDARD	#30



DETAIL
TRACE WIRE INSTALLATION

TRACE WIRE DETAIL		
DATE 10/11	CITY OF MOLINE STANDARD	#32

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Date	3-21-2025
Project	#3205
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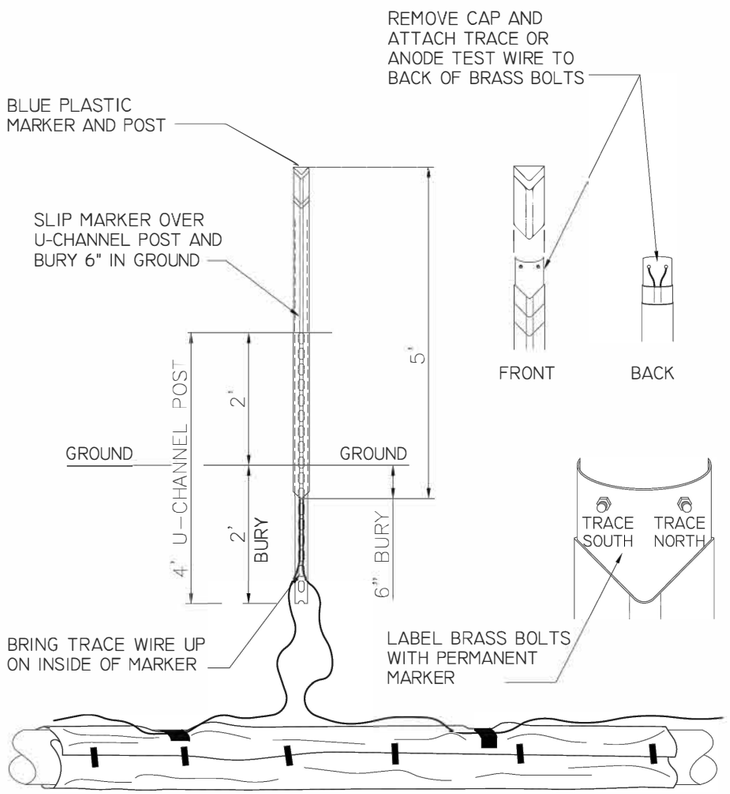
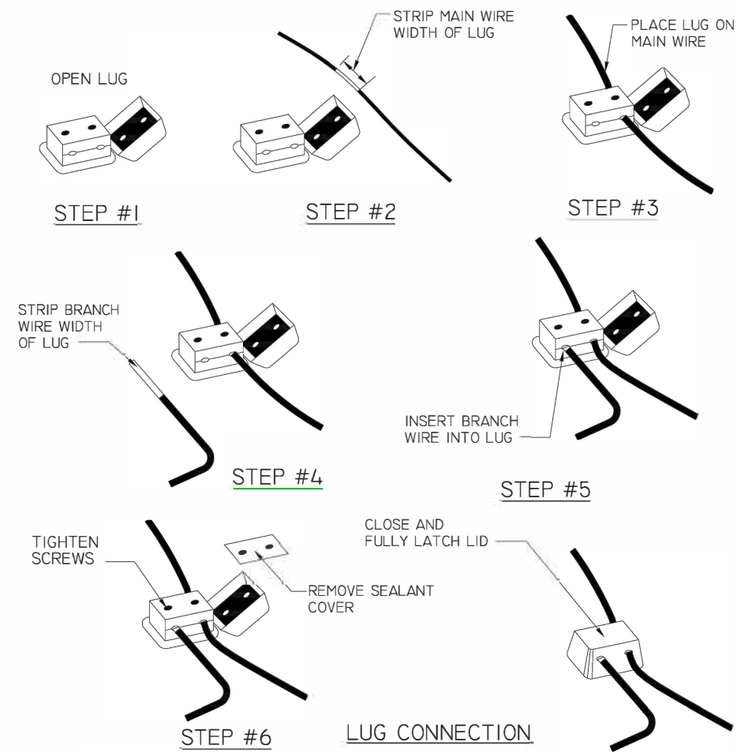
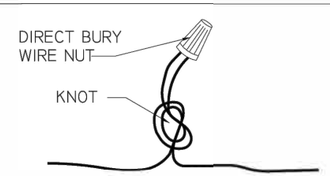
SHEET 68 OF 70



NOTE:
IF MARKER IS USED ONLY TO MARK THE MAIN LOCATION AND NOT BRING UP THE TRACE WIRE, USE THE BLUE MARKERS WITHOUT THE TRACE WIRE CONNECTORS.

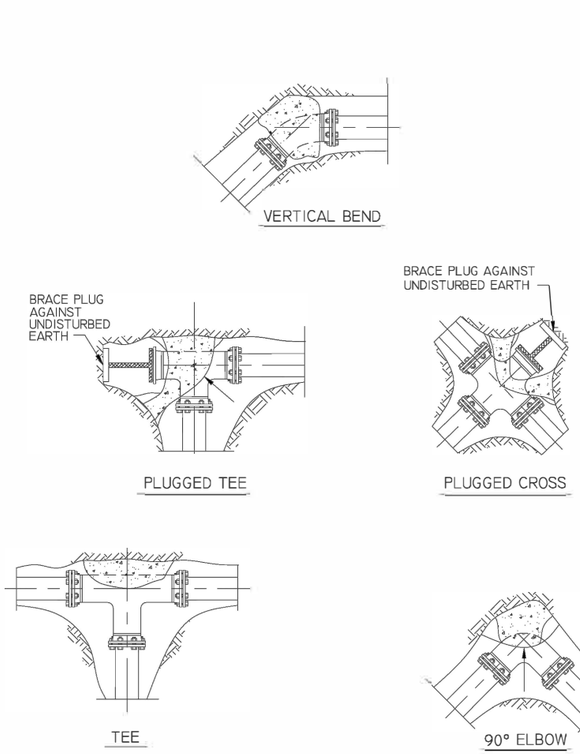
TRACE WIRE MARKER POST		
DATE 1/10	CITY OF MOLINE STANDARD	#33





WIRE NUT CONNECTION

TRACER WIRE DIRECT BURY CONNECTION		
DATE 1/10	CITY OF MOLINE STANDARD	#34



NOTES:

ALL BLOCKS BEAR AGAINST UNDISTURBED EARTH.
ARROWS INDICATE DIRECTION OF THRUST.
ALL BLOCKS TO BE 3500 P.S.I. CONCRETE.
ALL FITTINGS SHOWN IN PLAN EXCEPT VERTICAL BEND.

THRUST BLOCK INSTALLATIONS		
DATE 2/96	CITY OF MOLINE STANDARD	#37

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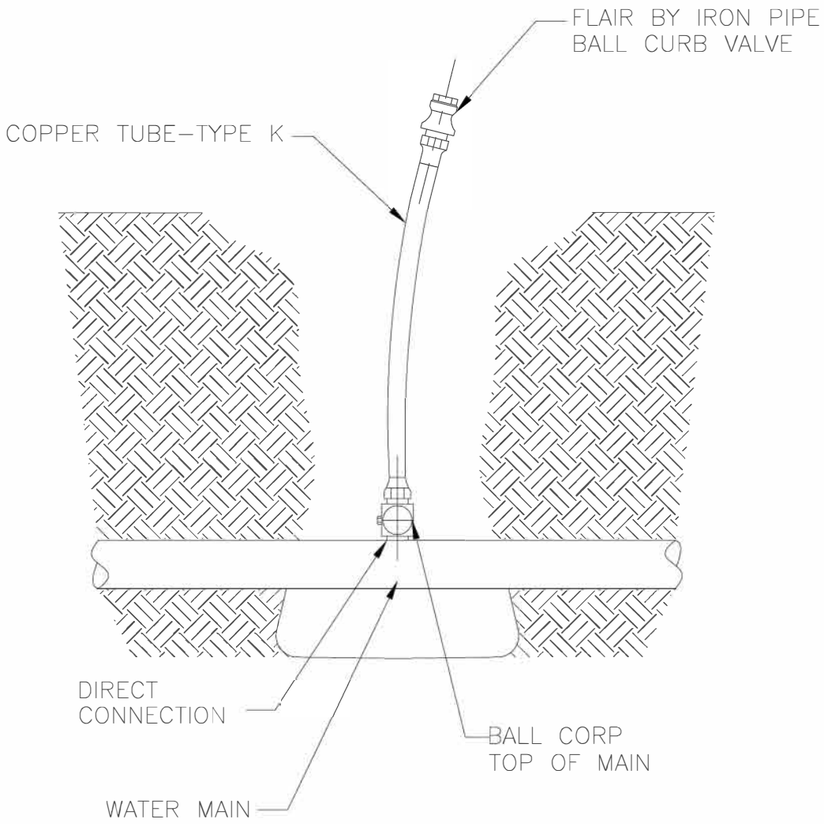
Project	#3205
Designer	EWL

SHEET 69 OF 70



STANDARD TEST CONNECTION		
DATE 2/09	CITY OF MOLINE STANDARD	#39

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SHEET 70 OF 70