LETTING DATE 12-15-2026

LINN COUNTY

PCC PAVEMENT - GRADE AND NEW

NHSX-001-6(044)--3H-57

IOWA | DOT

PLANS OF PROPOSED IMPROVEMENTS ON THE

PRIMARY ROAD SYSTEM

LINN COUNTY

PCC PAVEMENT-GRADE AND NEW

US HIGHWAY 1
IN MOUNT VERNON BUS. 30 TO NCL

SCALES: As Noted

Refer to the Proposal Form for list of applicable Specifications.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications.

See sheet C.04 for Tabulation of Standard Details.

For Project Location map refer to sheet A.02.

REVISIONS

TOTAL
225
PROJECT IDENTIFICATION NUMBER
24-57-001-010
PROJECT NUMBER
NHSX-001-6(044)--3H-57
R.O.W. PROJECT NUMBER

PROJECT SPLIT

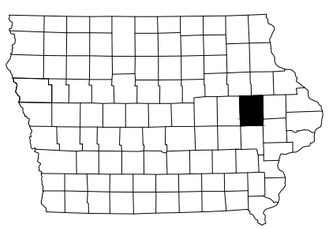
ROADWAY IMPROVEMENTS - NHSX-001-6(044)--3H-57
SIDEWALK IMPROVEMENTS - NHSN-001-6(045)--2R-57

INDEX OF SHEETS — 105-3 — 10-18-05

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A.02	Location Map
B.01 - B.02	Typical Cross Sections and Details
C.01 - C.05	Quantites and Estimate Reference Information
C.06 - C.23	Tabulations
CD.01 - CD.06	Demolition Plan
CU.01 - CU.06	Utility Coordination
D.01 - D.12	Mainline Plan and Profile
D.13 - D.14	Trail Plan and Profile
E.01 - E.10	Side Street Plan and Profile
G.01	Benchmarks and Control Points
H.01 - H.06	Right-of-Way
J.01 - J.16	Traffic Control and Phasing
K.01 - K.06	Pavement Marking and Sign Placement Sheets
L.01 - L.24	Geometry and Jointing Plan
M.01 - M.11	Storm Sewer
MSA.01 - MSA.02	Sanitary Sewer
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T.01	Earthwork Tabulations
U.01	Special Details
W.01 - W.18	Mainline Cross Sections
X.01 - X.08	Side Street Cross Sections
Y.01 - Y.05	Trail Cross Sections

MILEAGE SUMMARY — 105-1 — 09-27-94

Div.	Location	Lin. Ft.	Miles
1+2	STATION 106+91 TO STATION 163+69	5678	1.075
	TOTAL LENGTH OF PROJECT	5678	1.075



04-30-02 — 101-5

DESIGN DATA URBAN

2021	ADT	8100	V.P.D.
2017	ADT	6900	V.P.D.
2005	ADT	5400	V.P.D.
TRUCKS		6	%
Total Design ESALs		—	

IOWA ONE CALL 1-800-292-8989 | 811

LICENSED PROFESSIONAL ENGINEER — LELAND J. BELDING, III — 15046 — IOWA

I hereby certify that this engineering document was prepared by me or under my direct personal supervision and that I am a duly licensed Professional Engineer under the laws of the State of Iowa.

Signature 10-15-2026 Date

LELAND J. BELDING, III
Printed or Typed Name

My license renewal date is December 31, 2027

Pages or sheets covered by this seal: ALL

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	A.01

PLOTTED: Friday, October 16, 2026 10:23:29 AM

FILE PATH: \\CORIA-NASNIP01.KLEINFELDER.COM\CRVLSHARE\0500\0513-MOUNT_VERNON\0513-0061_HGHWY_1_RECONSTRUCTION_DS_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\A - COVER

PROJECT LOCATION

1

END PROJECT
174+03.00

END ROAD PAVING
163+69.29

BEGIN PROJECT
106+91.92

HWY 1

30

30

(MOUNT VERNON CORPORATE LIMITS)

(MOUNT VERNON / LISBON CORPORATE LIMITS)

(MOUNT VERNON CORPORATE LIMITS)

VERNON RD

OLD LINCOLN HWY

SCOBY RD

N 10TH AVE

U P R R

BRYANT RD

BRYANT CT

MAC GREGOR LN

S 10TH AVE

SUMMIT AVE

COLLEGE BLVD N

COLLEGE BLVD

3RD ST W

13 AVE SW

12TH AVE SW

15TH AVE SW

13TH AVE S

PALISADES RD

WILLOW CREEK RD

N 8TH ST

N 7TH AVE

N 6TH ST

N 5TH ST

N 4TH ST

N 3RD ST

N 2ND ST

1ST ST N

PARK AVE

N AVE

WEBSTER ST

CASS ST

7TH AVE

6TH ST

S 6TH ST

S 5TH ST

S 4TH ST

S 3RD ST

S 2ND ST

1ST ST S

S AVE

1ST AVE

2ND AVE

S 7TH AVE

D ST

S 5TH AVE

LANTERN LN

S 7TH ST

A AVE

B AVE

INK RD

TURTLEDOVE LN

6TH ST NE

B AVE N

WOLFE LN

CANDLESTICK DR

HILLCREST DR

TOP DR

S 7TH ST

MEADOW LN

LINCOLN DR

GILLETTE LN

EBY ST

S FRANKLIN ST

IOWA ST

WALTER ST

MARTHA ST

COMMERCIAL ST

NOVAK RD

SHADE TREE CT

WILLOW LN

COUNTRY CLUB DR

OAK RIDGE DR

HILL VIEW DR

GLENN ST

RACHEL ST

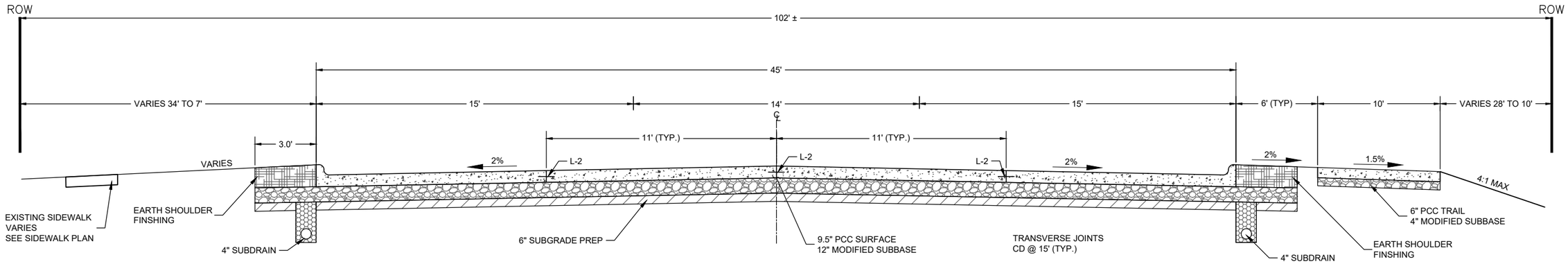
VIRGIL DR

COUNTRYCLUB FAIRWAY RD

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	A.02	

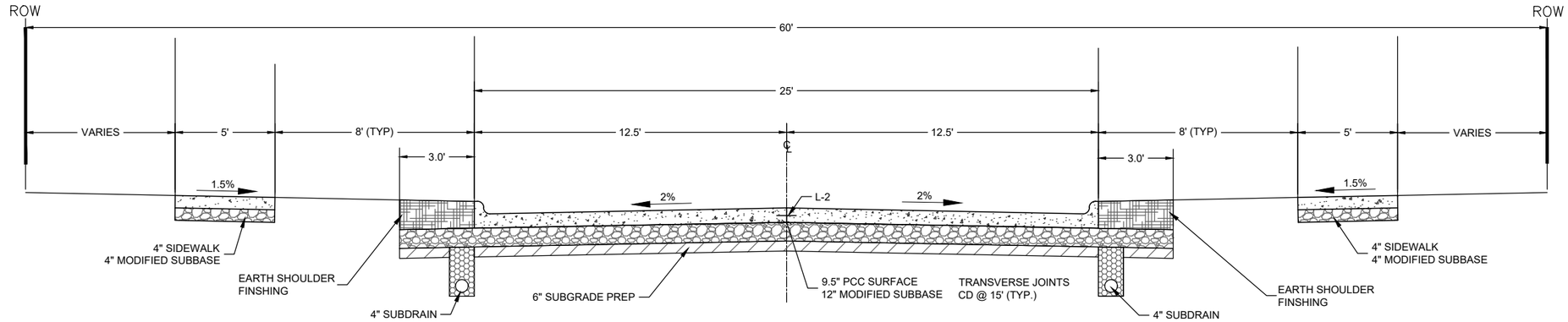
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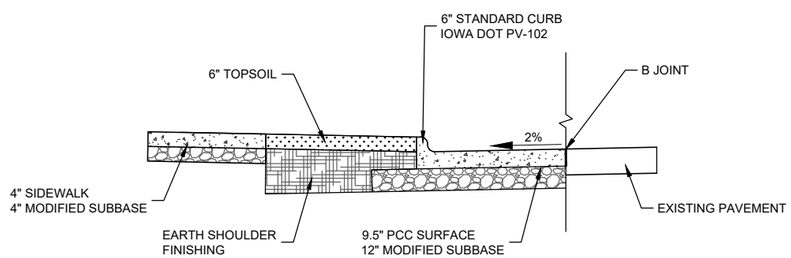


3 - LANE SECTION
STA 106+91.92 TO STA 110+00.00

TRANSITION FROM 3-LANE TO TWO LANE
STA 110+00.00 TO STA 112+28.22



2 - LANE SECTION
STA 112+28.22 TO STA 123+54.78
&
STA 137+45.51 TO STA 163+69.29

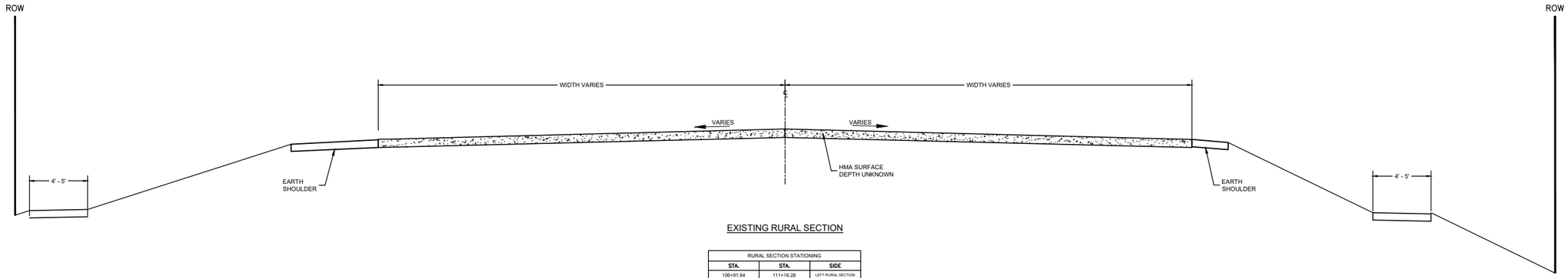


CURB RETURNS
STA 123+54.78 TO STA 137+45.51

TYPICAL SECTIONS

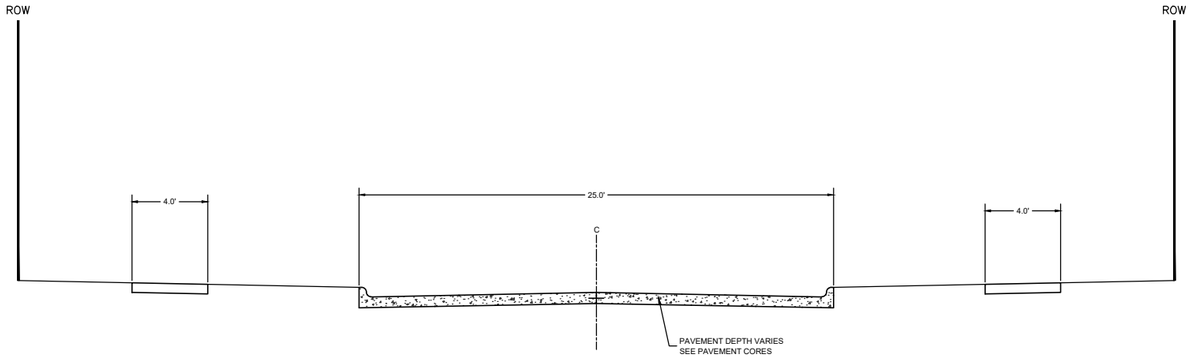
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	B.01	

PLOTTED: Friday, October 16, 2026 10:23:39 AM FILE PATH: \\CORIA-NASNIP01.KLEINFELDER.COM\CRVLSHARE\0500\0513-MOUNT_VERNON\0513-0061_HGHWY_1_RECONSTRUCTION_DS_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\B - TYPICAL SECTIONS



EXISTING RURAL SECTION

RURAL SECTION STATIONING		
STA.	**STA.**	**SIDE**
106+91.94	111+16.28	LEFT RURAL SECTION
106+91.94	110+39.16	RIGHT RURAL SECTION



EXISTING URBAN SECTION

URBAN SECTION STATIONING		
STA.	**STA.**	**SIDE**
111+16.28	163+69.29	LEFT RURAL SECTION
110+39.16	163+69.29	RIGHT RURAL SECTION

PAVEMENT CORES - EXISTING PAVEMENT HWY-1				
STA. (APPROXIMATE)	**TOTAL THICKNESS (IN)**	**ASPHALT (IN)**	**CONCRETE (IN)**	**NOTES**
117+00 (4.0' LT)	**14.5"**	**7.5"**	**7"**	**GRAY-BROWN LEAN CLAY SUBGRADE**
132+50 (5.0LT)	11"	0"	11"	**ROCK SUBBASE**
156+50 (5.0' LT)	**13.25"**	**6.75"**	**6.5"**	GRAY-BROWN LEAN CLAY SUBGRADE
155+45 (4.0' LT)	**1'-2"**	6.75"	**7.25"**	GRAY-BROWN LEAN CLAY SUBGRADE
155+50 (4.0' LT)	**~14.25"**	**7.5"**	**~7"**	**REINFORCED CONCRETE (CORE BROKEN) GRAY-BROWN LEAN CLAY SUBGRADE**
161+00 (8.0' LT)	**11"**	**3"**	**8"**	**DARK BROWN LEAN CLAY SUBGRADE**

EXISTING SECTIONS

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	B.02	

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DIVISION 1: ROADWAY IMPROVEMENTS
DIVISION 2: NON–PARTICIPATING CITY
NHSX–001–6(044)––3H–57

ESTIMATED PROJECT QUANTITIES							100-1A 07-15-97
ITEM NO.	ITEM CODE	ITEM	UNIT	DIV 1	DIV 2	TOTAL	AS-BUILT
1	2101-0850002	CLEAR+GRUBB	UNIT	0	99.5	99.5	
2	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW	CY	882	30	912	
3	2102-2710080	EXCAVATION, CL 10, UNSUIT/UNSTABLE MAT'L	CY	850	0	850	
4	2102-2710090	EXCAVATION, CL 10, WASTE	CY	8150	0	8150	
5	2102-2713090	EXCAVATION, CLASS 13, WASTE	CY	81	0	81	
6	2105-8425005	TOPSOIL, FURN+SPREAD	CY	200	70	270	
7	2105-8425015	TOPSOIL, STRIP, SALVAGE+SPREAD	CY	780	270	1050	
8	2107-0875000	COMPACTION W/MOISTURE+DENSITY CONTROL	CY	850	0	850	
9	2113-0001100	SUBGRADE STABIL MAT'L, POLYMER GRID	SY	4896	0	4896	
10	2115-0100000	MODIFIED SUBBASE	CY	6462	704	7166	
11	2123-7450020	SHLD FINISH, EARTH	STA	94	0	94	
12	2210-0475290	MACADAM STONE BASE	TON	1492	0	1492	
13	2301-1033095	STD/S-F PCC PAVT, CL C CL 3, 9.5"	SY	15525	0	15525	
14	2303-0000100	HMA COMMERCIAL MIX (INCL ASPH BINDER)	TON	36	0	36	
15	2315-8275025	SURF, DRIVEWAY, CL A CR STONE	TON	1219	0	1219	
16	2401-6745910	REMOVAL OF SIGN	EACH	1	0	1	
17	2416-0100012	APRON, CONC, 12"	EACH	0	3	3	
18	2416-1202018	CULVERT, 3000D LOW CL PCC ROADWAY PIPE, EQV DIA 18 IN.	LF	0	28	28	
19	2435-0130148	MANHOLE, SAN SWR, SW-301, 48"	EACH	0	4	4	
20	2435-0140148	MANHOLE, STORM SWR, SW-401, 48"	EACH	0	1	1	
21	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	0	1	1	
22	2435-0140172	MANHOLE, STORM SEWER, SW-401, 72 IN.	EACH	0	1	1	
23	2435-0250700	INTAKE, SW-507	EACH	0	5	5	
24	2435-0251000	INTAKE, SW-510	EACH	0	4	4	
25	2435-0251224	INTAKE, SW-512, 24"	EACH	0	3	3	
26	2435-0400000	EXT DROP CONNECTION, SW-307	EACH	0	1	1	
27	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	13	0	13	
28	2435-0600120	INTAKE ADJUSTMENT, MAJOR	EACH	0	14	14	
29	2435-0700020	CONNECTION TO EXIST INTAKE	EACH	0	4	4	
30	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHLD) 4"	LF	8695	0	8695	
31	2502-8212108	SUBDRAIN, PLASTIC PIPE, 8"	LF	0	163	163	
32	2502-8221303	SUBDRAIN OUTLET, DR-303	EACH	31	0	31	
33	2503-0114212	STORM SWR G-MAIN,TRENCHED, RCP 2000D,12"	LF	0	90	90	
34	2503-0114215	STORM SWR G-MAIN,TRENCHED, RCP 2000D,15"	LF	0	112	112	
35	2503-0114224	STORM SWR G-MAIN,TRENCHED, RCP 2000D,24"	LF	0	255	255	
36	2503-0200036	RMV STORM SWR PIPE LE 36"	LF	0	454	454	
37	2504-0114010	SANITARY SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 10 IN.	LF	0	682	682	
38	2504-0114012	SANITARY SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 12 IN.	LF	0	83	83	
39	2504-0200406	SAN SWR SERVICE STUB, PVC, 6"	LF	0	285	285	
40	2504-0240036	RMV SAN SWR PIPE LE 36"	LF	0	765	765	
41	2510-6745850	RMVL OF PAV'T	SY	16678	24	16702	
42	2510-6750600	RMVL OF INTAKE+UTILITY ACCESS	EACH	0	13	13	
43	2511-7526004	SIDEWALK, PCC, 4"	SY	0	247	247	
44	2511-7526006	SIDEWALK, PCC, 6"	SY	0	19	19	
45	2511-7528101	DETECTABLE WARNING	SF	0	20	20	
46	2512-1725306	CURB AND GUTTER, P.C. CONCRETE, 3.0 FT.	LF	0	73	73	
47	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN.	SY	2522	0	2522	
48	2515-2475008	DRIVEWAY, P.C. CONCRETE, 8 IN.	SY	281	0	281	
49	2515-6745600	RMVL OF PAVED DRIVEWAY	SY	2852	0	2852	
50	2520-3350015	FIELD OFFICE	EACH	1	0	1	
51	2524-6765010	RMV+REINSTALL SIGN	EACH	59	1	60	
52	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION	LS	0.6	0.4	1.0	
53	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY	LS	0.6	0.4	1.0	

ESTIMATED PROJECT QUANTITIES							100-1A 07-15-97
ITEM NO.	ITEM CODE	ITEM	UNIT	DIV 1	DIV 2	TOTAL	AS-BUILT
54	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY	LS	0.6	0.4	1.0	
55	2527-9263155	PRE-CUT SYMBOL+LEGEND, PREFORM THERMO	EACH	6	0	6	
56	2527-9263190	SYMBOL+LEGEND RMVD	EACH	1	0	1	
57	2527-9263209	PAINTED PAV'T MARK, WATERBORNE/SOLVENT	STA	52.67	0	52.67	
58	2527-9263225	PERMANENT TAPE MARK, PREFORM THERMO	STA	2.60	0	2.60	
59	2527-9270112	GROOVE CUT - PAV'T MARK	STA	55.27	0	55.27	
60	2527-9270120	GROOVE CUT - SYMBOL+LEGEND	EACH	6	0	6	
61	2528-2518000	SAFETY CLOSURE	EACH	41	0	41	
62	2528-8445110	TRAFFIC CONTROL	LS	0.6	0.4	1	
63	2528-8445113	FLAGGER	EACH	60	20	80	
64	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	56	0	56	
65	2529-2242304	CD JNT ASSEMBLY	EACH	15	0	15	
66	2529-2242320	CT JNT	EACH	10	0	10	
67	2529-5070110	PATCH, FULL-DEPTH FINISH, BY AREA	SY	21	0	21	
68	2529-5070111	PATCH,FULL-DEPTH FINISH,BY AREA(=>50 FT)	SY	99	0	99	
69	2529-5070120	PATCH, FULL-DEPTH FINISH, BY COUNT	EACH	4	0	4	
70	2529-8174010	SUBBASE, (PATCH)	SY	120	0	120	
71	2533-4980005	MOBILIZATION	LS	0.6	0.4	1	
72	2549-0006210	SPOT REPAIR BY PIPE RPLC, BY COUNT	EACH	0	1	1	
73	2554-0114004	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 4 IN.	LF	0	5	5	
74	2554-0114006	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 6 IN.	LF	0	8	8	
75	2554-0114008	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN.	LF	0	3	3	
76	2554-0124008	WATER MAIN, TRENCHLESS, POLYVINYL CHLORIDE PIPE (PVC), 8 IN	LF	0	1355	1355	
77	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, BEND 45-DEG 8"	EA	0	1	1	
78	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, CAP 4"	EA	0	3	3	
79	2554-0202200	FITTINGS BY COUNT, DI, REDUCER 8X4	EA	0	1	1	
80	2554-0202200	FITTINGS BY COUNT, DI, BEND 11.25	EA	0	1	1	
81	2554-0202200	FITTINGS BY COUNT, DI, BEND 45	EA	0	1	1	
82	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, TEE 8X8X8	EA	0	1	1	
83	2554-0205110	WATER SERVICE STUB, COPPER, 1 IN.	LF	0	640	640	
84	2554-0205650	WATER SERVICE CURB STOP, COVER ONLY	EA	0	23	23	
85	2554-0207004	VALVE, GATE, DIP, 4 IN.	EA	0	1	1	
86	2554-0207006	VALVE, GATE, DIP, 6 IN.	EA	0	2	2	
87	2554-0207008	VALVE, GATE, DIP, 8 IN.	EA	0	6	6	
88	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201	EA	0	4	4	
89	2554-0210205	FIRE HYDRANT ASSEMBLY REMOVAL	EA	0	3	3	
90	2554-0211002	FLUSHING DEVICE, (BLOWOFF), 2 IN.	EA	0	2	2	
91	2554-0212040	VALVE BOX ADJUSTMENT, MINOR	EA	0	10	10	
92	2554-0212050	VALVE BOX REMOVAL	EA	0	2	2	
93	2595-0005150	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR UNION PACIFIC RAILROAD CO.	LS	0	1	1	
94	2599-9999010	CONNECTION TO EXISTING DOWNSPOUTS	LS	0	1	1	
95	2599-9999014	REMOVE AND REPLACE BRICK PAVERS	SF	99	0	99	
96	2601-2634105	MULCH, BONDED FIBER MATRIX	ACRE	1	1	2	
97	2601-2636044	SEED+FERTILIZE (URBAN)	ACRE	1	1	2	
98	2601-2640350	SPECIAL DITCH CONTROL,WOOD EXCELSIOR MAT	SQ	14.8	0	14.8	
99	2601-2642100	STABILIZE CROP - SEED+FERTILIZE	ACRE	1	1	2	
100	2602-0000150	STAB CONSTR ENTRANCE, EC-303	LF	124	0	124	
101	2602-0000309	PERIMETER+SLOPE SEDIMENT CNTL DEVICE, 9"	LF	978	0	978	
102	2602-0000351	RMVL OF PER+SLOPE/DITCH CHK SED CNTL DEV	LF	978	0	978	
103	2602-0000500	OPEN-THROAT CURB INTK SED FILT, EC-602	LF	128	0	128	
104	2602-0000520	RMVL OF OPEN-THRT CURB INTKE SDMNT FLTR	EACH	24	0	24	
105	2602-0010010	MOBILIZATION, EROSION CONTROL	EACH	4	4	8	
106	2602-0010020	MOBILIZATION, EMERGENCY EROSION CONTROL	EACH	2	2	4	

QUANTITIES

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	C.01	

DIVISION 1: SIDEWALK IMPROVEMENTS
NHSN–001–6(045)––2R–57

ESTIMATED PROJECT QUANTITIES

100-1A
07-15-97

ITEM NO.	ITEM CODE	ITEM	UNIT	DIV 1	TOTAL	AS-BUILT
1	2105-8425015	TOPSOIL, STRIP, SALVAGE+SPREAD	CY	66	66	
2	2511-6745900	RMVL OF SIDEWALK	SY	4674	4674	
3	2511-7526004	SIDEWALK, PCC, 4"	SY	3943	3943	
4	2511-7526006	SIDEWALK, PCC, 6"	SY	2109	2109	
5	2511-7528101	DETECTABLE WARNING	SF	597	597	
6	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION	LS	1	1	
7	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY	LS	1	1	
8	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY	LS	1	1	
9	2528-8445110	TRAFFIC CONTROL	LS	1	1	
10	2533-4980005	MOBILIZATION	LS	1	1	
11	2599-9999010	REMOVE AND REPLACE LANDSCAPE WALL	LS	1	1	
12	2601-2634105	MULCH, BONDED FIBER MATRIX	ACRE	1.3	1.3	
13	2601-2636044	SEED+FERTILIZE (URBAN)	ACRE	1.3	1.3	
14	2601-2642100	STABILIZE CROP - SEED+FERTILIZE	ACRE	1.3	1.3	
15	2602-0010010	MOBILIZATION, EROSION CONTROL	EACH	1	1	
16	2602-0010020	MOBILIZATION, EMERGENCY EROSION CONTROL	EACH	1	1	

QUANTITIES

DIVISION 1: ROADWAY IMPROVEMENTS
DIVISION 2: NON–PARTICIPATING CITY
NHSX–001–6(044)––3H–57

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2101-0850002	CLEAR+GRUBB SHALL FOLLOW REQUIREMENTS OF SECTION 2101. SEE CD-SHEETS FOR DEMOLITION PLAN. SEE TABULATION 110-17 ON C-SHEETS. ALL TREES CALLED OUT FOR REMOVAL SHALL BE FELLED PRIOR TO MARCH 31, 2027 REGARDLESS OF PHASING.
2	2102-2710070	EXCAVATION, CL 10, RDWY+BORROW SEE T SHEET FOR TABULATIONS. CONTRACTOR SHALL BE PAID PLAN QUANTITY UNLESS ADJUSTED FOR ERRORS OR AUTHORIZED CHANGES. ANY REMAINING EXCAVATED MATERIAL SHALL BE REMOVED FROM THE PROJECT SITE BY CONTRACTOR.
3	2102-2710080	EXCAVATION, CL 10, UNSUIT/UNSTABLE MAT'L ITEM IS FOR THE UNSUITABLE CUT MATERIAL WITHIN THE PROJECT LIMITS. CORE-OUT DEPTHS AND AREAS SHALL BE DETERMINED BY THE ENGINEER AFTER EVALUATION OF A PROOF ROLL OR RECOMMENDATIONS FROM A GEOTECHNICAL ENGINEERING FIRM. ITEM TO BE USED WITH ENGINEER'S AUTHORIZATION. ITEM CALCULATED USING 6" DEPTH AND 1/3 OF THE PROJECT LENGTH.
4	2102-2710090	EXCAVATION, CL 10, WASTE EXCAVATION FOR NEW PAVEMENT SECTION EXTENDS BELOW EXISTING PAVEMENT RESULTING IN A NET CUT AND WASTE. CONTRACTOR TO SECURE WASTE SITE FOR EARTHWORK REMOVED FROM SITE.
5	2102-2713090	EXCAVATION, CLASS 13, WASTE ITEM USED FOR REMOVAL OF GRAVEL DRIVEWAYS. SEE CD-SHEETS FOR LOCATIONS.
6	2105-8425005	TOPSOIL, FURN+SPREAD ITEM CALCULATED USING 25% OF TOPSOIL, STRIP, SALVAGE AND SPREAD. SEE T-SHEETS.
7	2105-8425015	TOPSOIL, STRIP, SALVAGE+SPREAD QUANTITY PERTAINS TO WORK WITHIN THE PROJECT LIMITS. TOPSOIL SHALL BE REMOVED AND PROTECTED FROM OTHER MATERIALS ON SITE. TOPSOIL SHALL BE SPREAD UNIFORMLY (MIN. 6" DEPTH) OVER ALL AREAS THAT ARE NOT COVERED BY PAVEMENT OR GRANULAR MATERIAL. SEE SHEET T.01 FOR TABULATIONS. CROSS SECTIONS SHOW FINISHED GRADELINE. CONTRACTOR SHALL BE PAID PLAN QUANTITIES UNLESS ADJUSTED FOR ERRORS OR AUTHORIZED CHANGES. CONTRACTOR SHALL NOTE THE QUALITY AND QUANTITY OF TOPSOIL IN WRITING TO THE ENGINEER AT THE TIME OF REMOVAL IF THE TOPSOIL IS NOT SUITABLE FOR USE. SEE TABULATION 103_10 IN C-SHEETS.
8	2107-0875000	COMPACTION W/MOISTURE+DENSITY CONTROL CONTRACTOR SHALL HIRE INDEPENDENT TESTING LABORATORY TO PERFORM SUBGRADE COMPACTION TESTING. PROJECT WILL USE STANDARD PROCTOR DENSITY AND WALKOUT/PROOF ROLL FOR ANALYSIS OF SUBGRADE PREPARATIONS. CONTRACTOR IS RESPONSIBLE FOR PASSING TESTS AND FAILED TESTS WILL BE RETESTED AT NO ADDITIONAL COST TO PROJECT.
9	2113-0001100	SUBGRADE STABIL MAT'L, POLYMER GRID FOR SUBGRADE UNDER PAVEMENT WITH UNSTABLE SOILS AT LOCATIONS SPECIFIED BY ENGINEER. ITEM CALCULATED USING 1/3 OF THE PROJECT LENGTH.
10	2115-0100000	MODIFIED SUBBASE SEE B-SHEETS FOR TYPICAL SECTIONS. SEE D-SHEETS FOR PLAN THICKNESS AND QUANTITIES.
11	2123-7450020	SHLD FINISH, EARTH SEE B-SHEETS FOR TYPICAL SECTIONS. MATERIAL FOR EARTH SHOULDERS IS INCLUDED IN THE TEMPLATE GUIDELINES.
12	2210-0475290	MACADAM STONE BASE ITEM USED FOR REPLACING UNSUITABLE CUT MATERIAL.
13	2301-1033095	STD/S-F PCC PAV'T, CL C CL 3, 9.5" SEE TYPICAL SECTIONS ON B-SHEETS AND INTERSECTION GEOMETRY AND JOINTING PLAN ON L-SHEETS. CERTIFIED PLANT INSPECTION IS REQUIRED. CONTRACTOR TO USE MATURITY FOR TESTING.
14	2303-0000100	HMA COMMERCIAL MIX (INCL ASPH BINDER) ITEM USED FOR ANY HMA DRIVEWAYS AND HMA TAPER ON WEBSTER ST. SEE D-SHEETS FOR LOCATIONS.
15	2315-8275025	SURF, DRIVEWAY, CL A CR STONE ITEM USED FOR TEMPORARY DRIVEWAYS AND PROPOSED DRIVEWAYS. SEE D-SHEETS AND J-SHEETS FOR LOCATIONS. REMOVAL OF TEMPORARY DRIVEWAYS IS INCIDENTAL TO THIS BID ITEM.
16	2401-6745910	REMOVAL OF SIGN REMOVED SIGN SHALL BE DELIVERED TO DOT. SEE CD.01 FOR LOCATION.
17	2416-0100012	APRON, CONC, 12" SEE M-SHEETS FOR STORM SEWER PLAN.
18	2416-1202018	CULVERT, 3000D LOW CL PCC ROADWAY PIPE, EQV DIA 18 IN. SEE M-SHEETS FOR STORM SEWER PLAN.
19	2435-0130148	MANHOLE, SAN SWR, SW-301, 48" SEE MSA-SHEETS FOR SANITARY SEWER PLAN. SEE TABULATION 104_05A IN C SHEETS.
20	2435-0140148	MANHOLE, STORM SWR, SW-401, 48" SEE M-SHEETS FOR STORM SEWER PLAN, SIZE, PLACEMENT, AND CONNECTIONS OF PROPOSED SEWER MANHOLES. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, PIPE/STRUCTURE BEDDING, BYPASS PUMPING, AND PIPE CONNECTIONS. SEE TABULATION 104_05A IN C SHEETS.
21	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN. SEE M-SHEETS FOR STORM SEWER PLAN, SIZE, PLACEMENT, AND CONNECTIONS OF PROPOSED SEWER MANHOLES. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, PIPE/STRUCTURE BEDDING, BYPASS PUMPING, AND PIPE CONNECTIONS. SEE TABULATION 104_05A IN C SHEETS.
22	2435-0140172	MANHOLE, STORM SEWER, SW-401, 72 IN. SEE M-SHEETS FOR STORM SEWER PLAN, SIZE, PLACEMENT, AND CONNECTIONS OF PROPOSED SEWER MANHOLES. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, PIPE/STRUCTURE BEDDING, BYPASS PUMPING, AND PIPE CONNECTIONS. SEE TABULATION 104_05A IN C SHEETS.
23	2435-0250700	INTAKE, SW-507 SEE M SHEETS FOR SIZE, PLACEMENT, AND CONNECTIONS OF PROPOSED SEWER INTAKES. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, PIPE/STRUCTURE BEDDING, BYPASS PUMPING, AND PIPE CONNECTIONS. SEE TABULATION 104_05A IN C SHEETS.
24	2435-0251000	INTAKE, SW-510 SEE M SHEETS FOR SIZE, PLACEMENT, AND CONNECTIONS OF PROPOSED SEWER INTAKES. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, PIPE/STRUCTURE BEDDING, BYPASS PUMPING, AND PIPE CONNECTIONS. SEE TABULATION 104_05A IN C SHEETS.
25	2435-0251224	INTAKE, SW-512, 24" SEE M SHEETS FOR SIZE, PLACEMENT, AND CONNECTIONS OF PROPOSED SEWER INTAKES. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, PIPE/STRUCTURE BEDDING, BYPASS PUMPING, AND PIPE CONNECTIONS. SEE TABULATION 104_05A IN C SHEETS.
26	2435-0400000	EXT DROP CONNECTION, SW-307 SEE MSA.01 FOR EXTERNAL DROP CONNECTION.

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Item No.	Item Code	Description
27	2435-0600010	MANHOLE ADJUSTMENT, MINOR SEE D-SHEETS FOR LOCATIONS AND TABULATION 104_11 IN C-SHEETS.
28	2435-0600120	INTAKE ADJUSTMENT, MAJOR SEE D-SHEETS FOR LOCATIONS AND TABULATION 104_11 IN C-SHEETS. ITEM USED FOR REPLACEMENT OF INTAKE TOPS. REPLACEMENT OF THROAT/BOXOUT IS INCIDENTAL TO BID ITEM.
29	2435-0700020	CONNECTION TO EXIST INTAKE SEE M-SHEETS FOR STORM SEWER PLAN.
30	2502-8212034	SUBDRAIN, LONGITUDINAL, (SHLD) 4" SEE TABULATION 104_09A IN C-SHEETS. SEE TYPICAL SECTIONS ON B SHEETS FOR TYPICAL DEPTH OF SUBDRAIN LINES. INCLUDES ALL CAPS, CONNECTIONS TO PROPOSED STRUCTURES, CONNECTIONS TO EXISTING ROOF DRAINS, CORING AND CONNECTIONS TO RCP, AND CLEANOUTS. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, ENGINEERING FABRIC, HAULING AND DISPOSAL OF UNUSED SOILS, PIPE/STRUCTURE BEDDING, BYPASS PUMPING, AND PIPE CONNECTIONS.
31	2502-8212108	SUBDRAIN, PLASTIC PIPE, 8" SEE SHEET M.11 FOR LOCATION.
32	2502-8221303	SUBDRAIN OUTLET, DR-303 CONNECT TO EXISTING AND PROPOSED STORM SEWER STRUCTURES AND RCP STORM SEWER MAINS. INCLUDES CORE DRILLING AND FITTINGS NECESSARY TO COMPLETE CONNECTIONS.
33	2503-0114212	STORM SWR G-MAIN,TRENCHED, RCP 2000D,12" SEE SEWER M-SHEETS FOR SIZE, DEPTH, CONNECTIONS, AND ALIGNMENT OF ALL PROPOSED SEWER MAIN. SEE TABULATIONS ON THE C SHEETS. INCLUDES GASKETED CONNECTIONS WHEN PIPE IS WITHIN 10.0' OF WATERMAIN. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, AND PIPE BEDDING.
34	2503-0114215	STORM SWR G-MAIN,TRENCHED, RCP 2000D,15" SEE SEWER M-SHEETS FOR SIZE, DEPTH, CONNECTIONS, AND ALIGNMENT OF ALL PROPOSED SEWER MAIN. SEE TABULATIONS ON THE C SHEETS. INCLUDES GASKETED CONNECTIONS WHEN PIPE IS WITHIN 10.0' OF WATERMAIN. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, AND PIPE BEDDING.
35	2503-0114224	STORM SWR G-MAIN,TRENCHED, RCP 2000D,24" SEE SEWER M-SHEETS FOR SIZE, DEPTH, CONNECTIONS, AND ALIGNMENT OF ALL PROPOSED SEWER MAIN. SEE TABULATIONS ON THE C SHEETS. INCLUDES GASKETED CONNECTIONS WHEN PIPE IS WITHIN 10.0' OF WATERMAIN. ITEM INCLUDES DEWATERING, GRANULAR TRENCH BACKFILL/COMPACTION, HAULING AND DISPOSAL OF UNUSED SOILS, AND PIPE BEDDING.
36	2503-0200036	RMV STORM SWR PIPE LE 36" SEE CD-SHEETS FOR DEMOLITION PLAN AND TABULATION 110_14 IN C-SHEETS.
37	2504-0114010	SANITARY SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 10 IN. SEE MSA-SHEETS FOR SANITARY SEWER PLAN. CONTRACTOR SHALL TELEVISE ALL NEW SEWER. MAINTAIN SANITARY FLOW. BYPASS PUMPING IS INCIDENTAL TO BID ITEM. SPARE REPAIRS INCLUDE REMOVING EXISTING MANHOLE CONNECTIONS AND CONNECTING TO MANHOLE. EVALUATE CONNECTION TO EXISTING MANHOLE BEFORE REPAIRING PIPE OR REPLACING CONNECTION. MAY USE CONCRETE COLLAR WITH HOOP CONNECTION AT MANHOLE. SHALL NOT USE CONCRETE COLLARS ON CONNECTIONS TO EXISTING CLAY PIPES. COUPLING SHALL BE HYMAX 2000 OR 2001, ROMAC ALPHA XL RESTRAINED JOINT, FERNCO STRONGBACK RC, FERNCO HULK, OR APPROVED EQUAL.
38	2504-0114012	SANITARY SEWER GRAVITY MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 12 IN. SEE MSA-SHEETS FOR SANITARY SEWER PLAN. CONTRACTOR SHALL TELEVISE ALL NEW SEWER. MAINTAIN SANITARY FLOW. BYPASS PUMPING IS INCIDENTAL TO BID ITEM. SPARE REPAIRS INCLUDE REMOVING EXISTING MANHOLE CONNECTIONS AND CONNECTING TO MANHOLE. EVALUATE CONNECTION TO EXISTING MANHOLE BEFORE REPAIRING PIPE OR REPLACING CONNECTION. MAY USE CONCRETE COLLAR WITH HOOP CONNECTION AT MANHOLE. SHALL NOT USE CONCRETE COLLARS ON CONNECTIONS TO EXISTING CLAY PIPES. COUPLING SHALL BE HYMAX 2000 OR 2001, ROMAC ALPHA XL RESTRAINED JOINT, FERNCO STRONGBACK RC, FERNCO HULK, OR APPROVED EQUAL.
39	2504-0200406	SAN SWR SERVICE STUB, PVC, 6" SEE MSA-SHEETS FOR SANITARY SEWER PLAN.
40	2504-0240036	RMV SAN SWR PIPE LE 36" SEE CD-SHEETS FOR DEMOLITION PLAN AND TABULATION 110_14 IN C-SHEETS.
41	2510-6745850	RMVL OF PAV'T SEE CD-SHEETS FOR DEMOLITION PLAN AND TABULATION 110_01 IN C-SHEETS. INCLUDES SAWCUTTING AT REMOVAL LIMITS.
42	2510-6750600	RMVL OF INTAKE+UTILITY ACCESS SEE CD-SHEETS FOR DEMOLITION PLAN AND TABULATION 110_15 IN C-SHEETS.
43	2511-7526004	SIDEWALK, PCC, 4" SEE D-SHEETS AND S-SHEETS FOR PLAN. SEE TABULATION 113_01 IN C-SHEETS AND TABULATION 113_10A IN S-SHEETS.
44	2511-7526006	SIDEWALK, PCC, 6" SEE D-SHEETS AND S-SHEETS FOR PLAN. SEE TABULATION 113_01 IN C-SHEETS AND TABULATION 113_10A IN S-SHEETS. 6" SIDEWALK TO BE USED FOR RAMPS, LANDINGS, TRAIL NORTH, AND UNDER DRIVEWAY ACCESS UNLESS OTHERWISE NOTED.
45	2511-7528101	DETECTABLE WARNING SEE D-SHEETS AND S-SHEETS FOR LOCATIONS.
46	2512-1725306	CURB AND GUTTER, P.C. CONCRETE, 3.0 FT. SEE D.04 FOR LOCATION. CONSTRUCT 6" THICK PCC WITH 6" STANDARD CURB. SEE TABULATION 100_05 IN C-SHEETS.
47	2515-2475006	DRIVEWAY, P.C. CONCRETE, 6 IN. SEE D-SHEETS FOR PLAN AND TABULATION 102_03 IN C-SHEETS. REFER TO L-SHEETS FOR DRIVEWAY GEOMETRY.
48	2515-2475008	DRIVEWAY, P.C. CONCRETE, 8 IN. SEE D-SHEETS FOR PLAN AND TABULATION 102_03 IN C-SHEETS. REFER TO L-SHEETS FOR DRIVEWAY GEOMETRY.
49	2515-6745600	RMVL OF PAVED DRIVEWAY SEE CD-SHEETS FOR DEMOLITION PLAN AND TABULATION 110_08 IN C-SHEETS. INCLUDES SAWCUTTING AT REMOVAL LIMITS.
50	2520-3350015	FIELD OFFICE
51	2524-6765010	RMV+REINSTALL SIGN SEE CD-SHEETS AND SHEET M.04 FOR LOCATIONS AND TABULATION 190_61. METHOD OF MEASUREMENT SHALL BE PER EACH SIGN REMOVED AND REINSTALLED. BASIS OF PAYMENT IS FULL COMPENSATION FOR MATERIALS, EQUIPMENT, EXCAVATION, REMOVAL AND REINSTALLATION OF THE SIGN.
52	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION
53	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY ITEM IS FOR THE ESTABLISHMENT OF CONTROL POINTS, ALIGNMENTS, AND BENCHMARKS. REFER TO THE G-SHEETS FOR SURVEY CONTROL INFORMATION.

DIVISION 1: ROADWAY IMPROVEMENTS
DIVISION 2: NON–PARTICIPATING CITY
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Item No.	Item Code	Description
54	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING AN INDEPENDENT CHECK OF ALL CONSTRUCTION STAKES PLACED FOR THE PROJECT. THIS INDEPENDENT CHECK SHALL BE SUFFICIENT TO UNDERSTAND THE PLACEMENT AND INTENT OF THE STAKES. SEE G SHEET FOR CONTROL AND SURVEY INFORMATION. ELECTRONIC FILES WILL BE MADE AVAILABLE TO THE CONTRACTOR IN XML FORMAT FOR THE ALIGNMENTS, PROFILES, EXISTING SURFACE AND FINISHED GRADE SURFACE. A HORIZONTAL GEOMETRY FILE WILL ALSO BE AVAILABLE. ELECTRONIC FILES ARE PROVIDED AS A REFERENCE AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ELECTRONIC INFORMATION WITH THE PHYSICAL PLANS.
55	2527-9263155	PRE-CUT SYMBOL+LEGEND, PREFORM THERMO SEE K-SHEETS FOR PAVEMENT MARKING SYMBOLS AND TABULATION 108_29 IN C-SHEETS.
56	2527-9263190	SYMBOL+LEGEND RMVD SEE CD-SHEETS FOR LOCATION.
57	2527-9263209	PAINTED PAV'T MARK, WATERBORNE/SOLVENT SEE K-SHEETS FOR PAVEMENT MARKING AND C-SHEETS FOR TABULATION 108_22.
58	2527-9263225	PERMANENT TAPE MARK, PREFORM THERMO SEE K-SHEETS FOR PAVEMENT MARKING AND C-SHEETS FOR TABULATION 108_22.
59	2527-9270112	GROOVE CUT - PAV'T MARK GROOVES TO BE CUT FOR NEW PAVEMENT MARKINGS.
60	2527-9270120	GROOVE CUT - SYMBOL+LEGEND GROOVES TO BE CUT FOR NEW PAVEMENT MARKING SYMBOLS.
61	2528-2518000	SAFETY CLOSURE SEE J SHEETS FOR PHASING.
62	2528-8445110	TRAFFIC CONTROL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL, MAINTAIN, AND REMOVE TRAFFIC CONTROL DEVICES, INCLUDING THOSE REQUIRED FOR THE DETOUR ROUTES. CONTRACTOR TO ENSURE THE TRAFFIC CONTROL CONFORMS TO THE MUTCD. REFER TO J SHEETS FOR TRAFFIC CONTROL NOTES.
63	2528-8445113	FLAGGER FLAGGERS TO BE REQUIRED DURING WORK WHEN TRAFFIC IS OPENED TO TWO WAY TRAFFIC.
64	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS) REFER TO TRAFFIC CONTROL SHEETS FOR LOCATIONS. BROADCAST MESSAGES 7 DAYS PRIOR TO START OF CONSTRUCTION AND CONTINUE MESSAGE FOR 7 CALENDAR DAYS FOR EACH YEAR OF CONSTRUCTION. CONTRACTOR TO COORDINATE WITH THE IOWA DOT TRAFFIC MANAGEMENT CENTER FOR MESSAGING.
65	2529-2242304	CD JNT ASSEMBLY INSTALL CD JOINTS IN FULL DEPTH PATCHES SHOWN ON CD SHEETS.
66	2529-2242320	CT JNT INSTALL CT JOINTS IN FULL DEPTH PATCHES SHOWN ON CD SHEETS.
67	2529-5070110	PATCH, FULL-DEPTH FINISH, BY AREA SEE D-SHEETS FOR PLAN AND TABULATION 102_06C.
68	2529-5070111	PATCH,FULL-DEPTH FINISH,BY AREA(=>50 FT) SEE D-SHEETS FOR PLAN AND TABULATION 102_06C.
69	2529-5070120	PATCH, FULL-DEPTH FINISH, BY COUNT SEE D-SHEETS FOR PLAN AND TABULATION 102_06C.
70	2529-8174010	SUBBASE, (PATCH) SEE D-SHEETS FOR PLAN AND TABULATION 102_06C.
71	2533-4980005	MOBILIZATION PREPARATORY WORK AND OPERATIONS FOR ALL ITEMS UNDER CONTRACT, INCLUDING, BUT NOT LIMITED TO THOSE NECESSARY FOR: THE MOVEMENT OF EQUIPMENT, SUPPLIES, INCIDENTALS TO THE PROJECT AND THE ESTABLISHMENT OF FACILITIES NECESSARY FOR WORK ON THE VARIOUS ITEMS ON THE PROJECT SITE. CONTRACTOR TO REFER TO IOWA DOT 2533.01. CONTRACTOR WILL BE PAID FOR ONE MOBILIZATION.
72	2549-0006210	SPOT REPAIR BY PIPE RPLC, BY COUNT SEE MSA.01 FOR SANITARY SEWER POINT REPAIR. REPAIRS INCLUDE REMOVING EXISTING MANHOLE CONNECTIONS AND CONNECTING TO MANHOLE. EVALUATE CONNECTION TO EXISTING MANHOLE BEFORE REPAIRING PIPE OR REPLACING CONNECTION. MAY USE CONCRETE COLLAR WITH HOOP CONNECTION AT MANHOLE. SHALL NOT USE CONCRETE COLLARS ON CONNECTIONS TO EXISTING CLAY PIPES. COUPLING SHALL BE HYMAX 2000 OR 2001, ROMAC ALPHA XL RESTRAINED JOINT, FERNCO STRONGBACK RC, FERNCO HULK, OR APPROVED EQUAL.
73	2554-0114004	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 4 IN. REFERENCE MWM SHEETS FOR WATER PIPE ALIGNMENT AND INSTALLATION DEPTHS. POLYWRAP AND TRACER WIRE SYSTEM ARE INCIDENTAL TO THIS ITEM. PIPE JOINTS SHALL BE RESTRAINED ON ALL PIPE RUNS WITHIN SIXTY (60) FEET OF DIRECTIONAL CHANGE. COORDINATE WITH THE CITY OF MT VERNON FOR SCHEDULING CONNECTIONS AND PROPERTY NOTIFICATIONS. INCLUDES CONNECTING TO EXISTING WATER MAIN AND WATERMAIN PIPE REMOVALS ASSOCIATED WITH THIS WORK.
74	2554-0114006	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 6 IN. REFERENCE MWM SHEETS FOR WATER PIPE ALIGNMENT AND INSTALLATION DEPTHS. POLYWRAP AND TRACER WIRE SYSTEM ARE INCIDENTAL TO THIS ITEM. PIPE JOINTS SHALL BE RESTRAINED ON ALL PIPE RUNS WITHIN SIXTY (60) FEET OF DIRECTIONAL CHANGE. COORDINATE WITH THE CITY OF MT VERNON FOR SCHEDULING CONNECTIONS AND PROPERTY NOTIFICATIONS. INCLUDES CONNECTING TO EXISTING WATER MAIN AND WATERMAIN PIPE REMOVALS ASSOCIATED WITH THIS WORK.
75	2554-0114008	WATER MAIN, TRENCHED, POLYVINYL CHLORIDE PIPE (PVC), 8 IN. REFERENCE MWM SHEETS FOR WATER PIPE ALIGNMENT AND INSTALLATION DEPTHS. POLYWRAP AND TRACER WIRE SYSTEM ARE INCIDENTAL TO THIS ITEM. PIPE JOINTS SHALL BE RESTRAINED ON ALL PIPE RUNS WITHIN SIXTY (60) FEET OF DIRECTIONAL CHANGE. COORDINATE WITH THE CITY OF MT VERNON FOR SCHEDULING CONNECTIONS AND PROPERTY NOTIFICATIONS. INCLUDES CONNECTING TO EXISTING WATER MAIN AND WATERMAIN PIPE REMOVALS ASSOCIATED WITH THIS WORK.
76	2554-0124008	WATER MAIN, TRENCHLESS, POLYVINYL CHLORIDE PIPE (PVC), 8 IN REFERENCE MWM SHEETS FOR WATER PIPE ALIGNMENT AND INSTALLATION DEPTHS. POLYWRAP AND TRACER WIRE SYSTEM ARE INCIDENTAL TO THIS ITEM. COORDINATE WITH THE CITY OF MT VERNON FOR SCHEDULING CONNECTIONS AND PROPERTY NOTIFICATIONS. INCLUDES CONNECTING TO EXISTING WATER MAIN.
77	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, BEND 45-DEG 8" REFERENCE MWM SHEETS FOR LOCATIONS, TYPE, AND SIZES OF FITTINGS. ALL FITTINGS SHALL BE RESTRAINED. ACCEPTABLE MANUFACTURERS OF FITTINGS INCLUDE AY MCDONALD AND MUELLER.
78	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, CAP 4" REFERENCE MWM SHEETS FOR LOCATIONS, TYPE, AND SIZES OF FITTINGS. ALL FITTINGS SHALL BE RESTRAINED. ACCEPTABLE MANUFACTURERS OF FITTINGS INCLUDE AY MCDONALD AND MUELLER.
79	2554-0202200	FITTINGS BY COUNT, DI, REDUCER 8X4 REFERENCE MWM SHEETS FOR LOCATIONS, TYPE, AND SIZES OF FITTINGS. ALL FITTINGS SHALL BE RESTRAINED. ACCEPTABLE MANUFACTURERS OF FITTINGS INCLUDE AY MCDONALD AND MUELLER.

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Item No.	Item Code	Description
80	2554-0202200	FITTINGS BY COUNT, DI, BEND 11.25 REFERENCE MWM SHEETS FOR LOCATIONS, TYPE, AND SIZES OF FITTINGS. ALL FITTINGS SHALL BE RESTRAINED. ACCEPTABLE MANUFACTURERS OF FITTINGS INCLUDE AY MCDONALD AND MUELLER.
81	2554-0202200	FITTINGS BY COUNT, DI, BEND 45 REFERENCE MWM SHEETS FOR LOCATIONS, TYPE, AND SIZES OF FITTINGS. ALL FITTINGS SHALL BE RESTRAINED. ACCEPTABLE MANUFACTURERS OF FITTINGS INCLUDE AY MCDONALD AND MUELLER.
82	2554-0202200	FITTINGS BY COUNT, DUCTILE IRON, TEE 8X8X8 REFERENCE MWM SHEETS FOR LOCATIONS, TYPE, AND SIZES OF FITTINGS. ALL FITTINGS SHALL BE RESTRAINED. ACCEPTABLE MANUFACTURERS OF FITTINGS INCLUDE AY MCDONALD AND MUELLER.
83	2554-0205110	WATER SERVICE STUB, COPPER, 1 IN. REFERENCE MWM SHEETS FOR LOCATIONS. SEE WATER SERVICE STUB-RECONNECTION TO EXISTING SERVICE DETAIL ON U SHEETS. SERVICE SADDLE AND TAPPING WATER MAIN ARE INCLUDED IN PAYMENT OF ITEM. ACCEPTABLE MANUFACTURERS OF FITTINGS INCLUDE AY MCDONALD AND MUELLER.
84	2554-0205650	WATER SERVICE CURB STOP, COVER ONLY REFERENCE MWM SHEETS FOR LOCATIONS. SEE CURB STOP ADJUSTMENT DETAIL AND CURB STOP COVER SIDEWALK DETAIL ON U SHEETS.
85	2554-0207004	VALVE, GATE, DIP, 4 IN. REFERENCE MWM SHEETS FOR SIZE AND LOCATIONS OF GATE VALVES. GATE VALVES SHALL MEET AWWA C509. VALVES SHALL OPEN RIGHT. ACCEPTABLE MANUFACTURERS ARE MUELLER COMPANY 080A236020RN, OR APPROVED EQUAL.
86	2554-0207006	VALVE, GATE, DIP, 6 IN. REFERENCE MWM SHEETS FOR SIZE AND LOCATIONS OF GATE VALVES. GATE VALVES SHALL MEET AWWA C509. VALVES SHALL OPEN RIGHT. ACCEPTABLE MANUFACTURERS ARE MUELLER COMPANY 080A236020RN, OR APPROVED EQUAL.
87	2554-0207008	VALVE, GATE, DIP, 8 IN. REFERENCE MWM SHEETS FOR SIZE AND LOCATIONS OF GATE VALVES. GATE VALVES SHALL MEET AWWA C509. VALVES SHALL OPEN RIGHT. ACCEPTABLE MANUFACTURERS ARE MUELLER COMPANY 080A236020RN, OR APPROVED EQUAL.
88	2554-0210201	FIRE HYDRANT ASSEMBLY, WM-201 SEE MWM SHEETS FOR LOCATIONS OF FIRE HYDRANT ASSEMBLIES. ITEM INCLUDES FURNISHING AND INSTALLING ANCHOR/SWIVEL TEE AND GATE VALVE. NO MORE THAN ONE BARREL EXTENSION SHALL BE USED PER FIRE HYDRANT ASSEMBLY, IF NECESSARY. OPEN COUNTERCLOCKWISE, 1-1/2 INCH PENTAGON TOP NUT, 4-1/2 PUMPER OUTLET NOZZLE, AMERICAN NATIONAL FIRE HOSE CONNECTION SCREW THREADS, AND 5-1/4 INCH VALVE OPENING. COLOR SAFETY RED. ACCEPTABLE MANUFACTURERS ARE MUELLER CENTURION A423-537901 (HYD, 5 1/4, OL, 6BURY, SPEC 087), OR APPROVED EQUAL.
89	2554-0210205	FIRE HYDRANT ASSEMBLY REMOVAL SEE CD SHEETS FOR LOCATIONS OF FIRE HYDRANT REMOVALS. REMOVED FIRE HYDRANTS SHALL BE DELIVERED TO THE CITY OF MT VERNON.
90	2554-0211002	FLUSHING DEVICE, (BLOWOFF), 2 IN. USE FOR TEMPORARY BLOWOFF FOR WATER MAIN TESTING. CONTRACTOR TO SUBMIT PROPOSED TESTING LOCATIONS TO ENGINEER FOR APPROVAL. MEASUREMENT AND PAYMENT INCLUDE REMOVAL AND/OR CAPPING OF TEMPORARY BLOWOFF.
91	2554-0212040	VALVE BOX ADJUSTMENT, MINOR SEE MWM SHEETS FOR LOCATIONS.
92	2554-0212050	VALVE BOX REMOVAL SEE MWM SHEETS FOR LOCATIONS.
93	2595-0005150	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR UNION PACIFIC RAILROAD CO. PAYMENT SHALL BE FULL COMPENSATION FOR RAILROAD INSURANCE COSTS PER DS-23093. FLAGGING COSTS PER ARTICLE DS-23093.03 AND RIGHT OF ENTRY FEES SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR AND INCLUDED IN THE PRICE BID FOR MOBILIZATION. DOT CROSSING INVENTORY #: 190471L TOTAL DAY THRU TRAINS (6AM TO 6PM): 18 TOTAL NIGHT THRU TRAINS (6PM TO 6AM): 17
94	2599-9999010	CONNECTION TO EXISTING DOWNSPOUTS SEE SHEET M.11 FOR LOCATION.
95	2599-9999014	REMOVE AND REPLACE BRICK PAVERS MEASUREMENT SHALL BE PER SQUARE FOOT OF BRICK SIDEWALK REMOVED, STOCKPILED, AND PLACED IN ORIGINAL LOCATION. BASIS OF PAYMENT SHALL INCLUDE ALL MATERIALS, EQUIPMENT, AND LABOR INVOLVED IN THE REPLACEMENT OF THE EXISTING BRICK PAVERS NECESSARY TO REPLACE SIDEWALK AND DRIVEWAY PAVEMENTS. BED PAVERS IN SAND. SEE LOCATION IN D-SHEETS AND CD-SHEETS.
96	2601-2634105	MULCH, BONDED FIBER MATRIX APPLY BONDED FIBER MATRIX FOR ALL AREAS SHOWN AS "SEEDING AND FERTILIZING (URBAN)."
97	2601-2636044	SEED+FERTILIZE (URBAN) URBAN SEED. SEED ALL DISTURBED AREAS AS DIRECTED BY ENGINEER.
98	2601-2640350	SPECIAL DITCH CONTROL,WOOD EXCELSIOR MAT PREPARE SEEDBED ACCORDING TO ARTICLE 261.03, B, 4 OF THE STANDARD SPECIFICATIONS PRIOR TO SEEDING AND FERTILIZING UNDER THE SLOPE PROTECTION. SEE TABULATION 100_22 IN C-SHEETS.
99	2601-2642100	STABILIZE CROP - SEED+FERTILIZE SEED ALL DISTURBED AREAS AS DIRECTED BY ENGINEER. TO BE USED ON STOCKPILES AND EXPOSED GROUND.
100	2602-0000150	STAB CONSTR ENTRANCE, EC-303
101	2602-0000309	PERIMETER+SLOPE SEDIMENT CNTL DEVICE, 9" SEE R SHEETS FOR INSTALLATION LOCATIONS AND POLLUTION PREVENTION PLAN. SEE TABULATION 100_19 IN C-SHEETS.
102	2602-0000351	RMVL OF PER+SLOPE/DITCH CHK SED CNTL DEV SEE R SHEETS FOR INSTALLATION LOCATIONS AND POLLUTION PREVENTION PLAN.
103	2602-0000500	OPEN-THROAT CURB INTK SED FILT, EC-602 SEE R SHEETS FOR INSTALLATION LOCATIONS AND POLLUTION PREVENTION PLAN.
104	2602-0000520	RMVL OF OPEN-THRT CURB INTKE SDMNT FLTR SEE R SHEETS FOR INSTALLATION LOCATIONS AND POLLUTION PREVENTION PLAN.
105	2602-0010010	MOBILIZATION, EROSION CONTROL ITEM USED FOR MOVEMENT OF EQUIPMENT AND SUPPLIES RELATING TO EROSION CONTROL.
106	2602-0010020	MOBILIZATION, EMERGENCY EROSION CONTROL ITEM USED FOR EMERGENCY MOBILIZATION FOR EROSION CONTROL AS DIRECTED BY ENGINEER.

DIVISION 1: SIDEWALK IMPROVEMENTS
NHSN-001-6(045)--2R-57

100-4A
10-29-02

ESTIMATE REFERENCE INFORMATION

Item No.	Item Code	Description
1	2105-8425015	TOPSOIL, STRIP, SALVAGE+SPREAD QUANTITY PERTAINS TO WORK WITHIN THE PROJECT LIMITS. TOPSOIL SHALL BE REMOVED AND PROTECTED FROM OTHER MATERIALS ON SITE. TOPSOIL SHALL BE SPREAD UNIFORMLY (MIN. 6" DEPTH) OVER ALL AREAS THAT ARE NOT COVERED BY PAVEMENT OR GRANULAR MATERIAL. SEE SHEET T.01 FOR TABULATIONS. CROSS SECTIONS SHOW FINISHED GRADELINE. CONTRACTOR SHALL BE PAID PLAN QUANTITIES UNLESS ADJUSTED FOR ERRORS OR AUTHORIZED CHANGES. CONTRACTOR SHALL NOTE THE QUALITY AND QUANTITY OF TOPSOIL IN WRITING TO THE ENGINEER AT THE TIME OF REMOVAL IF THE TOPSOIL IS NOT SUITABLE FOR USE. SEE TABULATION 103_10 IN C-SHEETS.
2	2511-6745900	RMVL OF SIDEWALK SEE CD-SHEETS FOR DEMOLITION PLAN AND TABULATION 110_05 IN C-SHEETS. INCLUDES SAWCUTTING AT REMOVAL LIMITS.
3	2511-7526004	SIDEWALK, PCC, 4" SEE D-SHEETS AND S-SHEETS FOR PLAN. SEE TABULATION 113_01 IN C-SHEETS AND TABULATION 113_10A IN S-SHEETS.
4	2511-7526006	SIDEWALK, PCC, 6" SEE D-SHEETS AND S-SHEETS FOR PLAN. SEE TABULATION 113_01 IN C-SHEETS AND TABULATION 113_10A IN S-SHEETS. 6" SIDEWALK TO BE USED FOR RAMPS, LANDINGS, TRAIL NORTH, AND UNDER DRIVEWAY ACCESS UNLESS OTHERWISE NOTED.
5	2511-7528101	DETECTABLE WARNING SEE D-SHEETS AND S-SHEETS FOR LOCATIONS.
6	2526-8285010	CONSTRUCTION SURVEY, MONUMENT PRESERVATION
7	2526-8285020	CONSTRUCTION SURVEY, CONTROL POINT SURVEY ITEM IS FOR THE ESTABLISHMENT OF CONTROL POINTS, ALIGNMENTS, AND BENCHMARKS. REFER TO THE G-SHEETS FOR SURVEY CONTROL INFORMATION.
8	2526-8285040	CONSTRUCTION SURVEY, LOCATION SURVEY THE CONTRACTOR IS RESPONSIBLE FOR CONDUCTING AN INDEPENDENT CHECK OF ALL CONSTRUCTION STAKES PLACED FOR THE PROJECT. THIS INDEPENDENT CHECK SHALL BE SUFFICIENT TO UNDERSTAND THE PLACEMENT AND INTENT OF THE STAKES. SEE G SHEET FOR CONTROL AND SURVEY INFORMATION. ELECTRONIC FILES WILL BE MADE AVAILABLE TO THE CONTRACTOR IN XML FORMAT FOR THE ALIGNMENTS, PROFILES, EXISTING SURFACE AND FINISHED GRADE SURFACE. A HORIZONTAL GEOMETRY FILE WILL ALSO BE AVAILABLE. ELECTRONIC FILES ARE PROVIDED AS A REFERENCE AND IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THE ELECTRONIC INFORMATION WITH THE PHYSICAL PLANS.
9	2528-8445110	TRAFFIC CONTROL CONTRACTOR SHALL BE RESPONSIBLE TO INSTALL, MAINTAIN, AND REMOVE TRAFFIC CONTROL DEVICES, INCLUDING THOSE REQUIRED FOR THE DETOUR ROUTES. CONTRACTOR TO ENSURE THE TRAFFIC CONTROL CONFORMS TO THE MUTCD. REFER TO J SHEETS FOR TRAFFIC CONTROL NOTES.
10	2533-4980005	MOBILIZATION PREPARATORY WORK AND OPERATIONS FOR ALL ITEMS UNDER CONTRACT, INCLUDING, BUT NOT LIMITED TO THOSE NECESSARY FOR: THE MOVEMENT OF EQUIPMENT, SUPPLIES, INCIDENTALS TO THE PROJECT AND THE ESTABLISHMENT OF FACILITIES NECESSARY FOR WORK ON THE VARIOUS ITEMS ON THE PROJECT SITE. CONTRACTOR TO REFER TO IOWA DOT 2533.01. CONTRACTOR WILL BE PAID FOR ONE MOBILIZATION.
11	2599-9999010	REMOVE AND REPLACE LANDSCAPE WALL REMOVE LANDSCAPE WALL FOR PURPOSES OF SIDEWALK REMOVAL AND CONSTRUCTION. COORDINATE WITH PROPERTY OWNERS FOR REPLACEMENT. ITEM PAYS FOR REMOVAL, STORING ON SITE, AND REPLACEMENT. SEE CD.01, CD.03, AND CD.04 FOR LOCATIONS.
12	2601-2634105	MULCH, BONDED FIBER MATRIX APPLY BONDED FIBER MATRIX FOR ALL AREAS SHOWN AS “SEEDING AND FERTILIZING (URBAN).”
13	2601-2636044	SEED+FERTILIZE (URBAN) URBAN SEED. SEED ALL DISTURBED AREAS AS DIRECTED BY ENGINEER.
14	2601-2642100	STABILIZE CROP - SEED+FERTILIZE SEED ALL DISTURBED AREAS AS DIRECTED BY ENGINEER. TO BE USED ON STOCKPILES AND EXPOSED GROUND.
15	2602-0010010	MOBILIZATION, EROSION CONTROL ITEM USED FOR MOVEMENT OF EQUIPMENT AND SUPPLIES RELATING TO EROSION CONTROL.
16	2602-0010020	MOBILIZATION, EMERGENCY EROSION CONTROL ITEM USED FOR EMERGENCY MOBILIZATION FOR EROSION CONTROL AS DIRECTED BY ENGINEER.

ESTIMATE REFERENCE

105_04
10/20/26

STANDARDS

The following Standards apply to construction work on this project.

Line No.	Number	Date	Title
1.0	EC-101	04-19-16	Wood Excelsior Mat for Ditch Protection
2.0	EC-204	10-19-21	Perimeter, Slope and Ditch Check Sediment Control Devices
3.0	EC-602	10-15-24	Open-Throat Curb Intake Sediment Filter
4.0	MI-210	10-21-25	PCC Driveways and Alleys
5.0	MI-220	04-15-25	Detectable Warnings and Pedestrian Ramp
6.0	MI-221	10-21-25	Combined Retaining Wall - Sidewalk
7.0	PM-110	10-15-24	Line Types
8.0	PM-111	04-21-20	Symbols and Legends
9.0	PM-115	10-20-26	Grooving for Line Types
10.0	PM-116	04-16-24	Grooving for Symbols and Legends
11.0	PM-210	10-15-24	Separation in Two-Lane Roadway
12.0	PM-240	10-15-24	Railroad Crossing on Two-Lane Roadway
13.0	PM-550	10-15-24	Two-Lane Roadway with Two-Way Left Turn Lane
14.0	PV-101	10-20-26	Joints
15.0	PV-102	10-21-25	PCC Curb Details
16.0	PV-103	10-21-25	Manhole Boxouts in PCC Pavement
17.0	SW-101	10-21-25	Trench Bedding and Backfill Zones
18.0	SW-102	10-21-25	Rigid Gravity Pipe Trench Bedding
19.0	SW-211	10-21-25	Storm Sewer Pipe Connections
20.0	SW-401	10-21-25	Circular Storm Sewer Manhole
21.0	SW-507	10-21-25	Single Open-Throat Intake, Small Box
22.0	SW-510	10-21-25	Double Open-Throat Curb Intake, Large Box
23.0	SW-602	10-21-25	Castings for Storm Sewer Manholes
24.0	TC-1	10-15-19	Work Not Affecting Traffic (Two-Lane or Multi-Lane)
25.0	TC-252	10-20-26	Routes Closed to Traffic
26.0	WM-101	10-20-26	Thrust Blocks
27.0	WM-102	10-21-25	Tracer System
28.0	WM-201	10-21-25	Fire Hydrant Assembly

111_26
4/15/25

UTILITIES

Line No.	Company	Contact	Phone	Email
1.0	CITY OF MOUNT VERNON	CHRIS NOSBISCH	319-895-8742	cnosbisch@cityofmtvernon-ia.gov
2.0	VEENSTRA & KIMM, INC. - CORALVILLE		319-466-1000	
3.0	IOWA ONE CALL		800-292-8989	
4.0	ALLIANT ENERGY	ALLIANT ENERGY FIELD ENGINEER	800-255-4268	locate_IPL@alliantenergy.com andrewchrist@alliantenergy.com
5.0	CENTURYLINK	SADIE HULL	918-547-0147	sadie.hull@lumen.com
6.0	IOWA COMMUNICATIONS NETWORK	DAVE AUGSPURGER	515-725-4604	icnoutsideplantiowaonecall@iowa.gov jacob.jordan@icn.state.ia.us
7.0	MEDIACOM	JEREMY OWENS	845-587-7613	jowens@mediacomcc.com
8.0	MECHANICSVILLE TELEPHONE	HANS ARWINE	563-432-7221	MTCO@netins.net
9.0	SPRINT/COGENT COMMUNICATIONS	MICHAEL CHEBUL	402-880-8720	mchebul@cogentco.com
10.0	HILLS BANK AND TRUST COMPANY	RANDY REINHOLD	319-679-5448	rareinhold@hillsbank.com
11.0	IMON COMMUNICATIONS, LLC	ENGINEERING GROUP	319-200-7740	imonengineering@imon.net
12.0	AUREON NETWORK SERVICES	JEFF KLOCKO	515-830-0445	jeff.klocko@aureon.com

111_25
10/20/26

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262_06
9/28/22

UTILITIES (NOT A POINT 25 PROJECT)

This is NOT a POINT 25 project and is not subject to the provisions of IAC 761-115.25.

PLOTTED: Friday, October 16, 2026 10:23:52 AM FILE PATH: \\CORIA-NASNIP01.KLEINFELDER.COM\CRVLSHARE\0500\0513-MOUNT_VERNON\0513-0061_HGHWY_1_RECONSTRUCTION_DS_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\C - IDOT TABLES

110_01
4/5/24

REMOVAL OF PAVEMENT

Refer to Tabulation 102-5.

* Not a bid item.

Line No.	Station From	Station To	Side	Pavement Type	Area (SY)	Saw Cut* (LF)	Remarks
1.0	106+91.92	123+54.78	Both	HMA OVERLAY PCC	7313.0	177.0	
2.0	120+77.85	120+80.85	Right	PCC	24.0	76.0	
3.0	123+69.98	124+46.90	Left	PCC	128.0	109.0	
4.0	123+70.06	123+98.15	Right	PCC	36.0	63.0	
5.0	124+19.31	124+46.74	Right	PCC	34.0	63.0	
6.0	127+08.82	127+39.57	Left	PCC	40.0	67.0	
7.0	127+59.38	127+88.73	Left	PCC	39.0	67.0	
8.0	127+24.41	127+39.10	Right	PCC	25.0	52.0	
9.0	127+59.65	127+88.47	Right	PCC	32.0	63.0	
10.0	134+15.55	134+23.90	Left	PCC	6.0	28.0	
11.0	134+43.10	134+70.45	Left	PCC	31.0	62.0	
12.0	134+15.95	134+24.02	Right	PCC	5.0	25.0	
13.0	134+43.16	134+70.85	Right	PCC	33.0	63.0	
14.0	137+45.51	163+69.29	Both	HMA OVERLAY PCC	8938.0	330.0	
15.0	157+11.87	157+28.49	Right	PCC	9.0		
16.0	158+08.84	158+20.53	Right	PCC	9.0		

102_06C
4/21/26

FULL-DEPTH PATCHES

Line No.	Count	Station	Reference Location Sign	Direction of Travel	Side	Length (FT)	Width (FT)	Patch Thickness (IN)	Patch Repair or Finish	PCC Patch Type	PCC Patch Quantity (SY)	HMA Patches (SY)	Composite HMA (TON)	Subbase Patches (PR-140) (SY)	Subbase Patch with 'EF' Joint (PR-101) (SY)	Patch Subdrain PR-101 or PR-140 (No.)	'CD' Joints (No.)	'CT' Joints (No.)	'EF' Joints PR-101 (No.)	Anchor Lugs Removal (No.)	Remarks
1.0	1	125+07.75		NB		5.0	3.0	9.5			2.0			2.0							
2.0	1	127+44.11		SB		11.0	14.0	9.5			16.0			16.0							
3.0	1	130+51.43		SB		2.5	12.0	9.5			3.0			3.0							
4.0	1	131+50.00		SB		73.0	12.0	9.5			99.0			99.0							

102_05
9/29/23

EXISTING PAVEMENT

Line No.	County	Route	Direction of Travel	Begin Ref. Location Sign	End Ref. Location Sign	Year	Type	Project Number	Surface Type	Surface Depth (IN)	Base Type	Base Depth (IN)	Subbase Type	Subbase Depth (IN)	Removal Type	Removal Depth (IN)	Coarse Aggregate Source	Coarse Aggregate Type	Course Aggregate Durability Class	Reinforcement Type	Remarks
		IA 1	Both	155+25	163+69			NHSX-001-6(0443)--3H-57	HMA OVERLAY PCC	11.0											BASED ON CORE SAMPLE
		IA 1	Both	137+61	155+25			NHSX-001-6(0443)--3H-57	HMA OVERLAY PCC	14.0											BASED ON CORE SAMPLE
		IA 1	Both	123+55	137+61			NHSX-001-6(0443)--3H-57	PCC	11.0											BASED ON CORE SAMPLE
		IA 1	Both	106+92	123+55			NHSX-001-6(0443)--3H-57	HMA OVERLAY PCC	14.0											BASED ON CORE SAMPLE

190_61
2/10/23

EXISTING SIGNS TO BE REINSTALLED

Line No.	Sign Description	Direction of Travel	Location Station	Number of Posts	Square Tube Steel Posts	Wood Posts 4"x4" (LF)	Wood Posts 4"x6" (LF)	Installation Type	Installation Dim 'X'	See Signing Notes
1.0	NO PARKING	NB	107+79.72	1	X			A	3.5	
2.0	SPEED LIMIT	NB	109+63.51	1			15.0	A	3.5	
3.0	PEDRESTRIAN	NB	110+15.75	1			15.0	A	3.5	
4.0	STOP	WB	110+92.21	1			15.0	A	3.5	
5.0	STREET	NB	110+94.27	1	X			A	3.5	7TH ST SE & 1ST AVE S
6.0	LIBRARY	NB	119+76.34	1	X			A	3.5	
7.0	SCHOOL PEDRESTRIAN	NB	120+21.81	1	X			A	3.5	
8.0	STOP	WB	120+83.76	1	X			A	3.5	
9.0	STREET	NB	120+87.66	1	X			A	3.5	4TH ST SE & 1ST AVE S
10.0	NO PARKING	NB	123+38.95	1			15.0	A	3.5	
11.0	NO PARKING	NB	143+75.05	1	X			A	3.5	
12.0	NO PARKING	NB	147+16.03	1			15.0	A	3.5	
13.0	STREET	NB	147+98.81	1	X			A	3.5	6TH ST NE & 1ST AVE N
14.0	STOP	WB	148+55.47	1	X			A	3.5	
15.0	STREET	NB	151+07.53	1	X			A	3.5	7TH ST NE & 1ST AVE N
16.0	STOP	WB	151+58.11	1	X			A	3.5	
17.0	STOP	WB	154+91.52	1	X			A	3.5	
18.0	SPEED LIMIT	NB	155+92.61	1	X			A	3.5	
19.0	RAILROAD CROSSING	NB	158+25.09	1	X			A	3.5	
20.0	NO PARKING	NB	159+03.88	1			15.0	A	3.5	
21.0	DIRECTION GUIDE	SB	107+28.42	2			30.0	A	3.5	
22.0	NO PARKING	SB	108+32.10	1	X			A	3.5	
23.0	HIGHWAY 1	SB	108+56.23	1	X			A	3.5	
24.0	ROUNDABOUT AHEAD	SB	108+92.06	1	X			A	3.5	
25.0	SPEED LIMIT	SB	109+59.35	1			15.0	A	3.5	
26.0	STOP	EB	109+85.56	1	X			A	3.5	
27.0	MT VERNON HIGH SCHOOL	NB	110+29.61	2			30.0	A	3.5	
28.0	STREET	SB	110+65.32	1	X			A	3.5	
29.0	PEDRESTRIAN	SB	110+81.98	1			15.0	A	3.5	
30.0	STREET	SB	116+07.71	1	X			A	3.5	WASHINGTON CT
31.0	SCHOOL PEDRESTRIAN	SB	120+46.84	1	X			A	3.5	
32.0	STOP	EB	120+53.80	1	X			A	3.5	
33.0	STREET	SB	121+01.21	1	X			A	3.5	4TH ST SW & 1ST AVE S
34.0	LIBRARY	SB	121+46.59	1	X			A	3.5	
35.0	PEDRESTRIAN AHEAD	SB	123+40.56	1	X			A	3.5	
36.0	SIGNAL AHEAD	SB	133+59.57	1	X			A	3.5	
37.0	NO PARKING	SB	138+70.85	1	X			A	3.5	
38.0	NO PARKING	SB	143+91.48	1			15.0	A	3.5	
39.0	STOP	EB	144+39.46	1	X			A	3.5	
40.0	STOP	EB	147+74.97	1	X			A	3.5	
41.0	NO PARKING	SB	149+09.73	1	X			A	3.5	
42.0	STOP	EB	151+13.82	1	X			A	3.5	
43.0	STOP	EB	154+52.89	1	X			A	3.5	
44.0	STREET	SB	154+90.76	1	X			A	3.5	WEBSTER ST NW & 1ST AVE N
45.0	SPEED LIMIT	SB	155+91.71	1	X			A	3.5	
46.0	NO PASSING ZONE	NB	156+84.15	1	X			A	3.5	
47.0	NO PARKING	SB	157+35.41	1			15.0	A	3.5	
48.0	ELLIOT CITY PARK	SB	158+17.62	1			15.0	A	3.5	

190_61
2/10/23

EXISTING SIGNS TO BE REINSTALLED

Line No.	Sign Description	Direction of Travel	Location Station	Number of Posts	Square Tube Steel Posts	Wood Posts 4"x4" (LF)	Wood Posts 4"x6" (LF)	Installation Type	Installation Dim 'X'	See Signing Notes
49.0	BIKE ROUTE	NB	159+55.18	1			15.0	A	3.5	
50.0	STREET	SB	159+61.47	1	X			A	3.5	CASS ST NW & 1ST AVE N
51.0	STOP	EB	159+63.09	1			15.0	A	3.5	
52.0	DAVIS CITY PARK	SB	162+96.89	1			15.0	A	3.5	
53.0	STOP	EB	167+41.13	1	X			A	3.5	
54.0	WEIGHT LIMIT	WB	167+79.90	1	X			A	3.5	
55.0	BIKE ROUTE	SB	167+88.96	1	X			A	3.5	
56.0	SPEED LIMIT	SB	168+36.78	1			15.0	A	3.5	
57.0	DARE COMMUNITY	SB	168+51.90	1			15.0	A	3.5	
58.0	RAILROAD CROSSING	SB	172+51.33	1	X			A	3.5	
59.0	STOP	EB	173+89.32	1	X			A	3.5	
60.0	EMERGENCY SNOW ROUTE	WB	120+84.81	1	X			A	3.5	DIV II CITY

100_19
10/15/24

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

Possible Standards: EC-204

Line No.	Station From	Station To	Side	Sediment Control Device Type	Diameter Size	Length (LF)	Remarks
1.0	107+30.00	109+32.00				202.00	
2.0	107+25.00	110+50.00				325.00	
3.0	159+32.00	159+32.00				15.00	
4.0	164+66.00	166+42.00				176.00	
5.0	166+60.00	167+52.00				92.00	
6.0	167+90.00	169+58.00				168.00	

100_36
8/15/22

OPEN-THROAT CURB INTAKE SEDIMENT FILTER

Possible Standard: EC-602

Line No.	Station	Side	Installation (LF)	Maintenance (Each)	Removal (Each)	Remarks
1.0	120+25.00		9.0	1	1.0	
2.0	120+25.00		9.0	1	1.0	
3.0	121+10.00		5.0	1	1.0	
4.0	121+10.00		5.0	1	1.0	
5.0	124+50.00		5.0	1	1.0	
6.0	124+50.00		5.0	1	1.0	
7.0	126+87.00		5.0	1	1.0	
8.0	127+90.00		5.0	1	1.0	
9.0	127+90.00		5.0	1	1.0	
10.0	133+60.00		5.0	1	1.0	
11.0	133+95.00		5.0	1	1.0	
12.0	137+30.00		5.0	1	1.0	
13.0	137+30.00		5.0	1	1.0	
14.0	143+90.00		5.0	1	1.0	
15.0	144+05.00		5.0	1	1.0	
16.0	146+90.00		5.0	1	1.0	
17.0	148+15.00		5.0	1	1.0	N 6TH ST
18.0	148+45.00		5.0	1	1.0	N 6TH ST
19.0	150+39.00		5.0	1	1.0	
20.0	150+39.00		5.0	1	1.0	
21.0	156+05.00		5.0	1	1.0	
22.0	156+05.00		5.0	1	1.0	
23.0	158+15.00		5.0	1	1.0	
24.0	158+15.00		5.0	1	1.0	

100_22
8/15/22

ROLLED EROSION CONTROL

Refer to EC-101, EC-103 and EC-104.

Line No.	Road Identification	Station From	Station To	Side	Length (FT)	Width (FT)	TRM Type (EC-104)	TRM Quantity (Squares)	Slope Protection (EC-103) (Squares)	Special Ditch Control (EC-101) (Squares)	Remarks
1.0	HWY 1	170+78.00	171+08.00		30.0	15.0				4.5	
2.0	HWY 1	173+33.00	173+85.00		50.0	14.8				7.3	
3.0	HWY 1	174+66.00	174+84.00		15.0	20.0				3.0	

108_22
11/25/25

PAVEMENT MARKING LINE TYPES

Line factors based on 6-inch wide continuous line.
*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
***MNY6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.

BCY4: Broken Centerline (Yellow) @ 0.17 | BCY6: Broken Centerline (Yellow) @ 0.25 | BLC6: Broken Line Contrast (White/Black) @ 0.50 | BLW4: Broken Lane Line (White) @ 0.17 | BLW6: Broken Lane Line (White) @ 0.25
CBW6: Crosswalk Bar (White) @ 10.00 | CHW8: Channelizing Line (White) @ 1.33 | CHW10: Channelizing Line (White) @ 1.67 | CHY8: Channelizing Line (Yellow) @ 1.33 | CHY10: Channelizing Line (Yellow) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00 | DCY4: Double Centerline (Yellow) @ 1.34 | DCY6: Double Centerline (Yellow) @ 2.00 | DDY4: Double Dotted Line (Yellow) @ 0.44 | DDY6: Double Dotted Line (Yellow) @ 0.67
DLW4: Dotted Line (White) @ 0.22 | DLW6: Dotted Line (White) @ 0.33 | DLY4: Dotted Line (Yellow) @ 0.22 | DLY6: Dotted Line (Yellow) @ 0.33 | ELW4: Edge Line Right (White) @ 0.67
ELW6: Edge Line Right (White) @ 1.00 | ELY4: Edge Line Left (Yellow) @ 0.67 | ELY6: Edge Line Left (Yellow) @ 1.00 | LDW8: Lane Drop (White) @ 0.33 | LDW10: Lane Drop (White) @ 0.42
MNY6: Median Nose (Yellow) @ 1.00 | NPY4: No Passing Zone Line (Yellow) @ 0.84 | NPY6: No Passing Zone Line (Yellow) @ 1.25 | RLW4: Ramp Edge Line Right (White) @ 0.67 | RLW6: Ramp Edge Line Right (White) @ 1.00
RLY4: Ramp Edge Line Left (Yellow) @ 0.67 | RLY6: Ramp Edge Line Left (Yellow) @ 1.00 | SLW2: Stop Line (White) @ 4.00 | SLW4: Solid Lane Line (White) @ 0.67 | SLW6: Solid Lane Line (White) @ 1.00
SPW4: Sloped Curb 4" (White) @ 2.16 | SPW6: Sloped Curb 6" (White) @ 2.28 | SPY4: Sloped Curb 4" (Yellow) @ 2.16 | SPY6: Sloped Curb 6" (Yellow) @ 2.28 | STW6: Standard Curb 6" (Yellow) @ 2.03
STY6: Standard Curb 6" (Yellow) @ 2.03 | YLW2: Yield Line (White) @ 1.15

Line No.	Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	BCY4* Factored (STA)	BLW4 Factored (STA)	DCY4 Factored (STA)	ELY4 Factored (STA)	Remarks
1.0	HWY 1	106+56.33	110+00.46	SB	Waterborne/Solvent Paint	X			Yes	4.30					NPY6
2.0	HWY 1	106+56.33	110+00.46	NB	Waterborne/Solvent Paint			X	Yes	4.30					NPY6
3.0	HWY 1	110+87.56	111+79.52	NB	Waterborne/Solvent Paint		X		Yes	1.77					CHY8
4.0	HWY 1	110+87.56	116+09.04	NB	Waterborne/Solvent Paint		X		Yes	10.42					DCY6
5.0	HWY 1	116+09.04	120+38.72	NB	Waterborne/Solvent Paint		X		Yes	1.08					BCY6
6.0	HWY 1	120+39.72	120+45.72	NB	Thermoplastic	X	X	X	Yes	2.60					CBW6
7.0	HWY 1	121+17.14	123+69.20	NB	Waterborne/Solvent Paint		X		Yes	0.63					BCY6
8.0	HWY 1	124+47.66	127+16.05	NB	Waterborne/Solvent Paint		X		Yes	0.67					BCY6
9.0	HWY 1	127+89.23	130+49.85	NB	Waterborne/Solvent Paint		X		Yes	0.65					BCY6
10.0	HWY 1	131+31.57	134+08.84	NB	Waterborne/Solvent Paint		X		Yes	0.69					BCY6
11.0	HWY 1	134+72.12	137+33.20	NB	Waterborne/Solvent Paint		X		Yes	0.65					BCY6
12.0	HWY 1	138+12.18	144+24.22	NB	Waterborne/Solvent Paint		X		Yes	1.53					BCY6
13.0	HWY 1	144+93.12	147+60.01	NB	Waterborne/Solvent Paint		X		Yes	0.67					BCY6
14.0	HWY 1	148+60.23	150+94.87	NB	Waterborne/Solvent Paint		X		Yes	0.59					BCY6
15.0	HWY 1	151+69.45	154+35.47	NB	Waterborne/Solvent Paint		X		Yes	0.67					BCY6
16.0	HWY 1	155+09.43	156+72.06	NB	Waterborne/Solvent Paint		X		Yes	0.41					BCY6
17.0	HWY 1	156+72.06	161+50.63	NB	Waterborne/Solvent Paint		X		Yes	5.99					NPY6
18.0	HWY 1	161+50.63	163+80.03	NB	Waterborne/Solvent Paint		X		Yes	4.59					DCY6
19.0	HWY 1	165+29.22	167+01.70	NB	Waterborne/Solvent Paint		X		Yes	3.45					DCY6
20.0	HWY 1	167+01.70	174+70.81	NB	Waterborne/Solvent Paint		X		Yes	9.61					NPY6

108_29
4/15/25

PAVEMENT MARKING SYMBOLS AND LEGENDS

Refer to PM-111

Line No.	Roadway Identification	Station	Side	Pavement Symbol	Quantity (EA)	Groove Marking Needed?	Remarks
1.0	HWY 1	107+03.11	Median	LTAW	1	Yes	THERMOPLASTIC
2.0	HWY 1	107+19.11	Median	LTAW	1	Yes	THERMOPLASTIC
3.0	HWY 1	109+34.28	Median	LTAW	1	Yes	THERMOPLASTIC
4.0	HWY 1	109+50.28	Median	LTAW	1	Yes	THERMOPLASTIC
5.0	HWY 1	162+22.00	Right	RRCW	1	Yes	THERMOPLASTIC
6.0	HWY 1	166+68.57	Left	RRCW	1	Yes	THERMOPLASTIC

110_08
8/15/22

REMOVAL OF CONCRETE DRIVES

* Not a Bid Item.

Line No.	Station	Side	Area (SY)	Saw Cut* (LF)	Remarks
1.0	107+15.00	Left	35.0	30.0	102 PALISADES RD SW
2.0	107+20.00	Right	72.0	70.0	104 7TH ST SE
3.0	111+33.00	Left	46.0	13.0	601 1ST AVE SW
4.0	111+55.00	Right	7.0	9.0	604 1ST AVE SE
5.0	112+47.00	Right	5.0	9.0	600 1ST AVE SE
6.0	115+26.00	Right	33.0	25.0	506 1ST AVE SE
7.0	116+21.00	Right	57.0	21.0	504 1ST AVE SE
8.0	116+23.00	Left	61.0	35.0	WASHINGTON CT SW
9.0	116+86.00	Right	48.0	11.0	504 1ST AVE SE
10.0	118+94.00	Right	48.0	19.0	417 1ST AVE SE
11.0	118+98.00	Left	43.0	14.0	407 1ST AVE SW
12.0	122+40.00	Left	29.0	0.0	307 1ST AVE SW / ALLEY
13.0	122+38.00	Right	30.0	0.0	306 1ST AVE SE / ALLEY
14.0	124+98.00	Right	109.0	160.0	212 1ST AVE SE
15.0	126+44.00	Right	33.0	37.0	208 1ST AVE SE
16.0	128+52.00	Left	103.0	77.0	123 1ST AVE SW / PARKING
17.0	128+60.00	Right	33.0	45.0	113 1ST AVE SW
18.0	129+21.00	Right	27.0	36.0	ALLEY
19.0	129+20.00	Left	52.0	56.0	ALLEY
20.0	129+75.00	Left	126.0	99.0	STREET PARKING
21.0	129+75.00	Right	88.0	103.0	STREET PARKING
22.0	132+10.00	Right	113.0	96.0	STREET PARKING
23.0	132+10.00	Left	136.0	104.0	STREET PARKING
24.0	132+64.00	Right	37.0	37.0	ALLEY
25.0	132+76.00	Left	98.0	67.0	ALLEY
26.0	133+81.00	Left	46.0	36.0	117 1ST AVE NW
27.0	135+14.00	Left	48.0	39.0	201 1ST AVE NW
28.0	135+44.00	Left	46.0	46.0	209 1ST AVE NW
29.0	135+94.00	Right	71.0	80.0	103 2ND ST NE
30.0	136+06.00	Left	37.0	24.0	213 1ST AVE NW
31.0	140+42.00	Left	44.0	0.0	ALLEY
32.0	141+22.00	Left	31.0	12.0	321 1ST AVE NW
33.0	141+95.00	Left	31.0	12.0	321 1ST AVE NW
34.0	142+88.00	Right	44.0	40.0	410 1ST AVE NE
35.0	144+58.00	Right	40.0	16.0	416 1ST AVE NE
36.0	145+52.00	Right	31.0	31.0	506 1ST AVE NE
37.0	146+30.00	Right	69.0	34.0	506 1ST AVE NE
38.0	146+73.00	Right	54.0	26.0	510 1ST AVE NE
39.0	149+61.00	Left	24.0	0.0	ALLEY
40.0	151+70.00	Right	24.0	12.0	700 1ST AVE NE
41.0	152+40.00	Left	40.0	17.0	709 1ST AVE NW
42.0	152+55.00	Right	35.0	30.0	700 1ST AVE NE
43.0	153+03.00	Left	36.0	14.0	713 1ST AVE NW
44.0	155+24.00	Right	15.0	10.0	802 1ST AVE NE
45.0	156+21.00	Right	12.0	19.0	804 1ST AVE NE
46.0	156+28.00	Left	26.0	10.0	805 1ST AVE NW
47.0	156+56.00	Left	22.0	12.0	807 1ST AVE NW
48.0	157+66.00	Left	29.0	11.0	809 1ST AVE NW

110_08
8/15/22

REMOVAL OF CONCRETE DRIVES

* Not a Bid Item.

Line No.	Station	Side	Area (SY)	Saw Cut* (LF)	Remarks
49.0	157+01.00	Right	9.0	10.0	808 1ST AVE NE
50.0	157+38.00	Right	12.0	10.0	810 1ST AVE NE
51.0	158+47.00	Right	20.0	13.0	906 1ST AVE NE
52.0	158+47.00	Left	91.0	49.0	903 1ST AVE NW
53.0	159+64.00	Right	26.0	18.0	914 1ST AVE NE
54.0	161+00.00	Right	57.0	0.0	1010 1ST AVE NW
55.0	161+19.00	Left	85.0	0.0	1010 1ST AVE NW
56.0	161+70.00	Right	55.0	0.0	1010 1ST AVE NW
57.0	162+61.00	Left	34.0	0.0	1010 1ST AVE NW
58.0	163+40.00	Right	41.0	50.0	1011 1ST AVE NE
59.0	163+51.00	Left	76.0	47.0	1012 1ST AVE NW
60.0	166+46.00	Left	7.0	10.0	1109 1ST AVE NW
61.0	171+65.00	Left	15.0	28.0	1103 1ST AVE NW

110_05
8/15/22

SIDEWALK REMOVAL

* Not a bid item

Line No.	Station From	Station To	Area (SY)	Saw Cut* (LF)	Remarks
1.0	108+24.11	109+93.58	95.0	5.0	LEFT
2.0	107+28.22	110+81.32	198.0	9.0	RIGHT
3.0	111+04.42	115+10.63	269.0	4.0	RIGHT
4.0	110+34.94	111+23.36	51.0	5.0	LEFT
5.0	111+44.43	116+12.98	230.0	4.0	LEFT
6.0	115+41.51	116+08.70	34.0	6.0	RIGHT
7.0	116+30.85	116+78.31	27.0	6.0	RIGHT
8.0	116+33.37	118+90.44	114.0	0.0	LEFT
9.0	116+90.01	118+85.23	82.0	4.0	RIGHT
10.0	119+02.52	120+51.05	72.0	8.0	RIGHT
11.0	119+04.30	120+50.73	82.0	12.0	LEFT
12.0	120+88.27	122+32.08	63.0	4.0	LEFT
13.0	120+82.49	122+31.35	66.0	8.0	RIGHT
14.0	122+46.04	123+90.77	73.0	13.0	LEFT
15.0	122+45.90	123+92.46	71.0	8.0	RIGHT
16.0	124+24.08	124+66.61	56.0	4.0	RIGHT
17.0	124+26.88	127+28.17	143.0	27.0	LEFT
18.0	125+44.12	126+35.36	40.0	7.0	RIGHT
19.0	126+49.04	127+30.34	37.0	3.0	RIGHT
20.0	127+64.31	128+40.21	42.0	4.0	RIGHT
21.0	127+66.79	128+32.84	38.0	4.0	LEFT
22.0	128+68.04	129+09.30	17.0	0.0	LEFT
23.0	128+76.73	129+12.69	17.0	5.0	RIGHT
24.0	129+26.75	130+26.11	54.0	6.0	RIGHT
25.0	129+30.15	130+23.01	53.0	6.0	LEFT
26.0	131+66.77	132+58.78	48.0	5.0	LEFT
27.0	131+66.96	132+55.99	40.0	40.0	RIGHT
28.0	132+70.04	134+17.24	66.0	11.0	RIGHT
29.0	132+88.86	133+72.28	45.0	14.0	LEFT
30.0	133+90.02	134+18.09	15.0	0.0	LEFT
31.0	134+50.18	135+73.08	65.0	4.0	RIGHT
32.0	134+49.76	135+02.92	36.0	4.0	LEFT
33.0	135+23.88	135+33.06	4.0	0.0	LEFT
34.0	135+51.91	135+96.43	19.0	4.0	LEFT
35.0	136+07.69	137+54.18	66.0	3.0	RIGHT
36.0	136+14.68	137+56.53	63.0	9.0	LEFT
37.0	137+88.97	140+29.90	118.0	20.0	LEFT
38.0	137+88.56	140+24.38	116.0	8.0	RIGHT
39.0	140+51.00	141+15.48	27.0	4.0	LEFT
40.0	141+27.74	141+87.84	26.0	0.0	LEFT
41.0	141+99.74	144+39.94	105.0	4.0	LEFT
42.0	144+71.17	147+76.46	138.0	11.0	LEFT
43.0	145+03.89	145+36.42	11.0	3.0	RIGHT
44.0	146+85.26	148+08.74	59.0	4.0	RIGHT
45.0	148+06.19	149+55.20	138.0	7.0	LEFT
46.0	149+66.04	151+15.58	66.0	7.0	LEFT
47.0	151+48.58	152+30.63	37.0	12.0	LEFT
48.0	152+46.77	152+95.48	21.0	0.0	LEFT

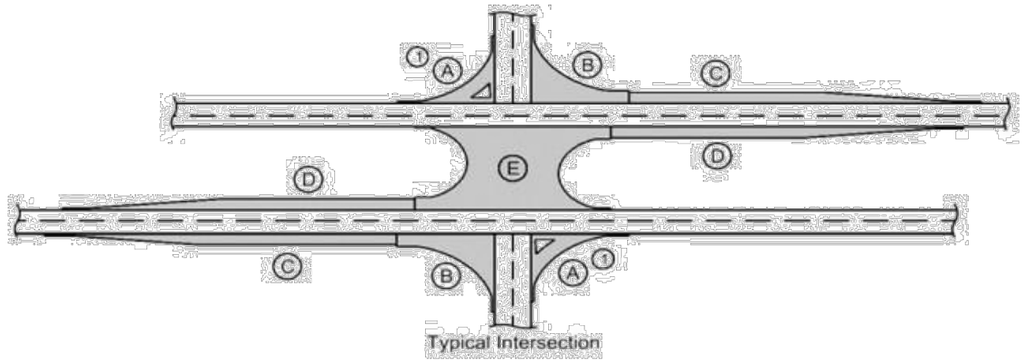
110_05
8/15/22

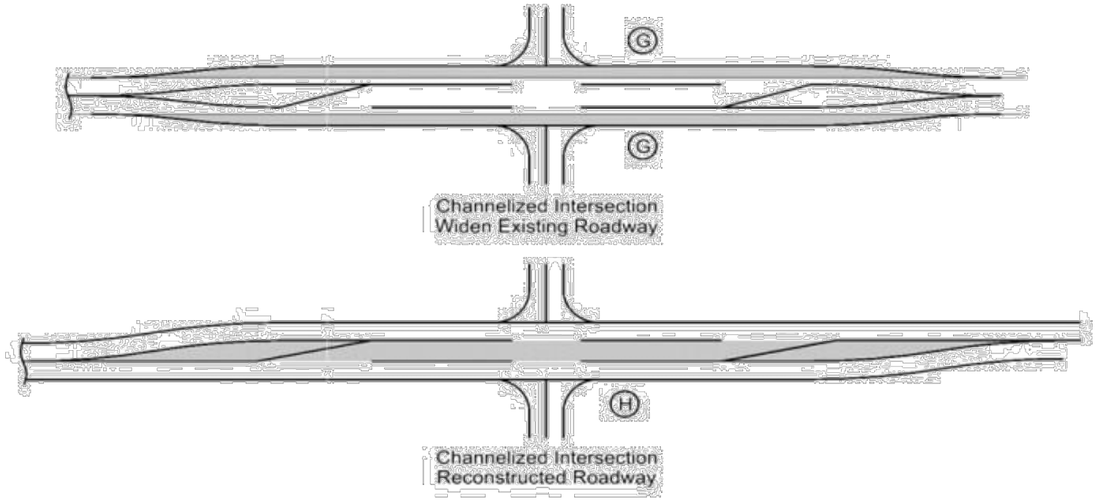
SIDEWALK REMOVAL

* Not a bid item

Line No.	Station From	Station To	Area (SY)	Saw Cut* (LF)	Remarks
49.0	153+09.00	154+53.09	64.0	12.0	LEFT
50.0	154+03.95	154+07.33	2.0	3.0	RIGHT
51.0	154+84.29	156+22.51	75.0	11.0	LEFT
52.0	156+32.38	156+40.28	3.0	4.0	LEFT
53.0	157+16.15	157+60.47	19.0	9.0	LEFT
54.0	157+72.00	158+27.24	24.0	4.0	LEFT
55.0	158+75.85	159+68.60	43.0	0.0	LEFT
56.0	159+82.59	160+97.34	126.0	10.0	LEFT
57.0	161+37.11	162+51.74	98.0	17.0	LEFT
58.0	162+70.26	163+30.28	51.0	0.0	LEFT
59.0	163+77.00	163+91.64	13.0	8.0	LEFT
60.0	164+48.18	167+41.29	256.0	14.0	LEFT
61.0	167+73.62	174+03.04	547.0	17.0	LEFT

PCC PAVEMENT





(1) Does not include raised island area or curb. Refer to tabulation 112-4 for quantities.
(2) Refer to PV-410, PV-411, PV-412, and PV-414.
(3) Quantity includes Pavement Header.

Line No.	Road Identification	Direction of Travel	Station From	Station To	Width (FT)	Length (FT)	Area (SY)	Area A(1) (SY)(3)	Area B (SY)(3)	Area C (SY)(3)	Area D (SY)(3)	Area E (SY)(3)	Area F(2) (SY)(3)	Area G (SY)(3)	Area H (SY)(3)	Area by Thickness - Thickness(IN)	Area by Thickness - Area (SY)	Polymer Grid (SY)	Special Backfill (TON)	Modified Subbase (CY)	Granular Subbase (SY)	Remarks
1.0	IA 1	Both	106+91.92	123+54.78		1662.86	6388.00													2510.00		
2.0	IA 1	Right	123+70.36	123+98.11		27.75			35.00											12.00		
3.0	IA 1	Left	123+69.98	124+46.90		76.92			127.00											42.00		
5.0	IA 1	Right	124+18.51	124+46.74		28.23			34.00											11.00		
6.0	IA 1	Left	127+08.82	127+38.68		29.86			39.00											13.00		
6.0	IA 1	Right	127+24.41	127+38.89		14.48			25.00											8.00		
7.0	IA 1	Left	127+59.38	127+88.73		29.35			39.00											13.00		
8.0	IA 1	Right	127+59.65	127+88.47		28.82			32.00											11.00		
9.0	IA 1	Right	134+15.95	134+24.02		8.07			5.00											2.00		
10.0	IA 1	Left	134+15.55	134+23.90		8.35			6.00											2.00		
11.0	IA 1	Left	134+43.12	134+70.45		27.33			33.00											11.00		
12.0	IA 1	Right	134+43.16	134+70.85		27.69			32.00											11.00		
13.0	IA 1	Both	137+45.51	163+69.29		2623.78	8730.00													3497.00		

108_13A
3/27/25

SAFETY CLOSURES

Station	Road Closure Qty.	Hazard Closure Qty.	Remarks
159+40.00	1		J.07: PHASE 1 - HWY 1
163+69.00	1		J.07: PHASE 1 - HWY 1
159+70.00	1		J.07: PHASE 1 - CASS ST
141+70.00	1		J.08: PHASE 2 - HWY 1
148+90.00	1		J.08: PHASE 2 - HWY 1
144+55.00	1		J.08: PHASE 2 - 5TH ST N
147+91.00	1		J.08: PHASE 2 - 6TH ST N
148+33.00	1		J.08: PHASE 2 - 6TH ST NE
146+85.00	1		J.09: PHASE 3 - HWY 1
159+40.00	1		J.09: PHASE 3 - HWY 1
151+30.00	1		J.09: PHASE 3 - 7TH ST (WEST)
151+30.00	1		J.09: PHASE 3 - 7TH ST (EAST)
154+70.00	1		J.09: PHASE 3 - WEBSTER ST (WEST)
154+70.00	1		J.09: PHASE 3 - WEBSTER ST (EAST)
131+13.00	1		J.10: PHASE 4A - HWY 1 (NB LANE)
123+50.00	1		J.10: PHASE 4A - HWY 1 (NB LANE)
134+33.00	1		J.10: PHASE 4A - 2ND ST NE
137+74.00	1		J.10: PHASE 4A - 3RD ST NE
138+30.00	1		J.10: PHASE 4A - 3RD ST NW
131+13.00	1		J.11: PHASE 4B - HWY 1 (SB LANE)
123+50.00	1		J.11: PHASE 4B - HWY 1 (SB LANE)
134+35.00	1		J.11: PHASE 4B - 2ND ST NE
137+72.00	1		J.11: PHASE 4B - 3RD ST NW
138+29.00	1		J.12: PHASE 4C - HWY 1
141+71.00	1		J.12: PHASE 4C - HWY 1
106+91.00	1		J.13: PHASE 5 - HWY 1
115+72.00	1		J.13: PHASE 5 - HWY 1
109+88.00	1		J.13: PHASE 5 - PALISADES RD
110+91.00	1		J.13: PHASE 5 - 7TH ST SE
115+73.00	1		J.14: PHASE 6 - HWY 1
123+55.00	1		J.14: PHASE 6 - HWY 1
120+69.00	1		J.14: PHASE 6 - 4TH ST SW (WEST)
120+69.00	1		J.14: PHASE 6 - 4TH ST SW (EAST)
123+55.00	1		J.15: PHASE 7A - HWY 1 (SB LANE)
130+50.00	1		J.15: PHASE 7A - HWY 1 (SB LANE)
124+00.00	1		J.15: PHASE 7A - 3RD ST SE
127+50.00	1		J.15: PHASE 7A - 2ND ST SW
123+55.00	1		J.16: PHASE 7B - HWY 1 (NB LANE)
130+50.00	1		J.16: PHASE 7B - HWY 1 (NB LANE)
124+00.00	1		J.16: PHASE 7B - 3RD ST SE
127+50.00	1		J.16: PHASE 7B - 2ND ST SW

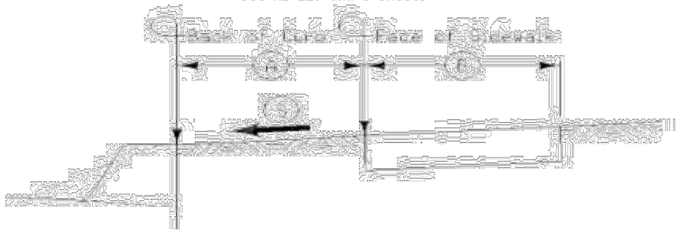
110_17
1/27/25

CLEARING AND GRUBBING

Line No.	Station From	Station To	Direction of Traffic	Work and Material Type	>3"-6"	>6"-9"	>9"-12"	>12"-15"	>15"-18"	>18"-24"	>24"-30"	>30"-36"	>36"-42"	>42"-48"	>48"-60"	>60"-72"	>72"	Other Materials Length (FT)	Other Materials Width (FT)	Estimated Units	Estimated Area (Acres)	Estimated Herbicide Application (EA)	Remarks
1.0	119+33.04		SB	Trees - Clearing and Grubbing	1															1.6			
2.0	122+92.34		SB	Trees - Clearing and Grubbing						1										22.0			
3.0	123+40.71		SB	Trees - Clearing and Grubbing						1										22.0			
4.0	140+55.74		NB	Trees - Clearing and Grubbing		1														3.9			
5.0	146+51.00		SB	Trees - Clearing and Grubbing								1								50.0			

SIDEWALKS

See MI-220 and S Sheets

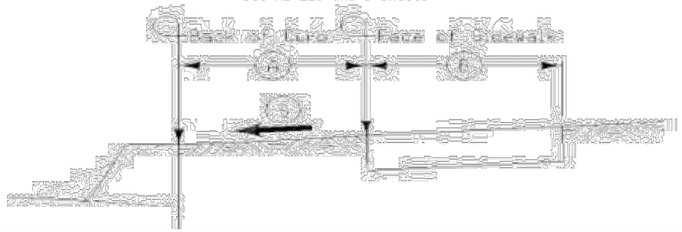


Line No.	Intersection/Road	Quadrant/ Side	A (FT)	B (FT)	S (%)	Sidewalk Thickness (IN)	Sidewalk Length (FT)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
1.0	IA 1	RIGHT		10.0					336.0		
2.0	IA 1	RIGHT		10.0					22.0	10.0	
3.0	IA 1	RIGHT		5.0				30.0			
4.0	IA 1	RIGHT		5.0					13.0	20.0	
5.0	IA 1	RIGHT		5.0				25.0			
6.0	IA 1	RIGHT		5.0					5.0		
7.0	IA 1	RIGHT		5.0				47.0			
8.0	IA 1	RIGHT		5.0					6.0		
9.0	IA 1	RIGHT		5.0				149.0			
10.0	IA 1	RIGHT		5.0					14.0		
11.0	IA 1	RIGHT		5.0				42.0			
12.0	IA 1	RIGHT		5.0					12.0		
13.0	IA 1	RIGHT		5.0				31.0			
14.0	IA 1	RIGHT		5.0					6.0		
15.0	IA 1	RIGHT		5.0				111.0			
16.0	IA 1	RIGHT		5.0					10.0		
17.0	IA 1	RIGHT		5.0				78.0			
18.0	IA 1	RIGHT		5.0					10.0	20.0	
19.0	IA 1	RIGHT		5.0				4.0			
20.0	IA 1	RIGHT		5.0					6.0	10.0	
21.0	IA 1	RIGHT		5.0				79.0			
22.0	IA 1	RIGHT		5.0					8.0		
23.0	IA 1	RIGHT		5.0				75.0			
24.0	IA 1	RIGHT		5.0					10.0	20.0	
25.0	IA 1	RIGHT		5.0				2.0			
26.0	IA 1	RIGHT		5.0					10.0	20.0	
27.0	IA 1	RIGHT		5.0				3.0			
28.0	IA 1	RIGHT		5.0				42.0			
29.0	IA 1	RIGHT		5.0					44.0		
30.0	IA 1	RIGHT		5.0				51.0			
31.0	IA 1	RIGHT		5.0					7.0		
32.0	IA 1	RIGHT		5.0				41.0			
33.0	IA 1	RIGHT		5.0					7.0	10.0	
34.0	IA 1	RIGHT		5.0					12.0	20.0	
35.0	IA 1	RIGHT		5.0				3.0			
36.0	IA 1	RIGHT		5.0				33.0			
37.0	IA 1	RIGHT		5.0					21.0		
38.0	IA 1	RIGHT		5.0				20.0			
39.0	IA 1	RIGHT		5.0					7.0		

113_01
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SIDEWALKS

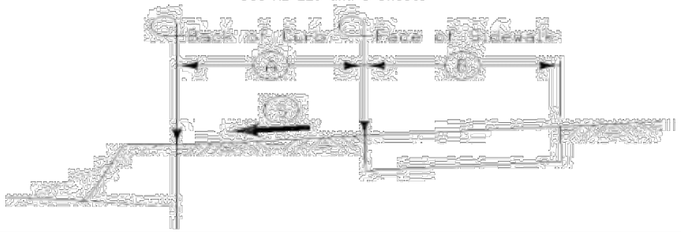
See MI-220 and S Sheets



Line No.	Intersection/Road	Quadrant/ Side	A (FT)	B (FT)	S (%)	Sidewalk Thickness (IN)	Sidewalk Length (FT)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
40.0	IA 1	RIGHT		5.0				56.0			
41.0	IA 1	RIGHT		5.0				51.0			
42.0	IA 1	RIGHT		5.0					7.0		
43.0	IA 1	RIGHT		5.0				78.0			
44.0	IA 1	RIGHT		5.0					7.0	10.0	
45.0	IA 1	RIGHT		5.0					13.0	20.0	
46.0	IA 1	RIGHT		5.0				4.0			
47.0	IA 1	RIGHT		5.0				63.0			
48.0	IA 1	RIGHT		5.0					18.0		
49.0	IA 1	RIGHT		5.0				76.0			
50.0	IA 1	RIGHT		5.0					7.0	10.0	
51.0	IA 1	RIGHT		5.0					13.0	20.0	
52.0	IA 1	RIGHT		5.0				2.0			
53.0	IA 1	RIGHT		5.0				126.0			
54.0	IA 1	RIGHT		5.0				11.0			DIV II CITY
55.0	IA 1	RIGHT		5.0					12.0		
56.0	IA 1	RIGHT		5.0				113.0			DIV II CITY
57.0	IA 1	RIGHT		5.0				78.0			DIV II CITY
58.0	IA 1	RIGHT		5.0					9.0		
59.0	IA 1	RIGHT		5.0				6.0			DIV II CITY
60.0	IA 1	RIGHT		5.0					9.0	10.0	DIV II CITY
61.0	IA 1	RIGHT		5.0				4.0			DIV II CITY
62.0	IA 1	RIGHT		5.0					9.0		
63.0	IA 1	RIGHT		5.0				20.0			
64.0	IA 1	RIGHT		5.0					17.0		
65.0	IA 1	RIGHT		5.0				27.0			DIV II CITY
66.0	IA 1	RIGHT		5.0					19.0		
67.0	IA 1	RIGHT		5.0				8.0			DIV II CITY
68.0	IA 1	RIGHT		5.0					14.0		
69.0	IA 1	RIGHT		5.0				42.0			
70.0	IA 1	RIGHT		5.0					9.0	10.0	
71.0	IA 1	RIGHT		5.0				20.0			
72.0	IA 1	RIGHT		5.0				2.0			
73.0	IA 1	RIGHT		5.0					5.0		
74.0	IA 1	RIGHT		5.0				2.0			
75.0	IA 1	RIGHT		5.0					10.0	10.0	DIV II CITY
76.0	IA 1	LEFT		5.0				85.0			
77.0	IA 1	LEFT		5.0					6.0	10.0	
78.0	IA 1	LEFT		5.0					11.0	10.0	

SIDEWALKS

See MI-220 and S Sheets

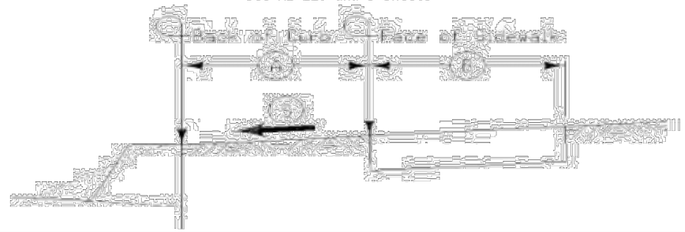


Line No.	Intersection/Road	Quadrant/ Side	A (FT)	B (FT)	S (%)	Sidewalk Thickness (IN)	Sidewalk Length (FT)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
79.0	IA 1	LEFT		5.0					5.0	10.0	
80.0	IA 1	LEFT		5.0				3.0			
81.0	IA 1	LEFT		5.0				11.0			
82.0	IA 1	LEFT		5.0				42.0			
83.0	IA 1	LEFT		5.0					9.0		
84.0	IA 1	LEFT		5.0				263.0			
85.0	IA 1	LEFT		5.0					13.0		
86.0	IA 1	LEFT		5.0				144.0			
87.0	IA 1	LEFT		5.0					8.0		
88.0	IA 1	LEFT		5.0				78.0			
89.0	IA 1	LEFT		5.0					15.0	20.0	
90.0	IA 1	LEFT		5.0				7.0			
91.0	IA 1	LEFT		5.0					7.0	10.0	
92.0	IA 1	LEFT		5.0				77.0			
93.0	IA 1	LEFT		5.0					8.0		
94.0	IA 1	LEFT		5.0				78.0			
95.0	IA 1	LEFT		5.0				3.0			
96.0	IA 1	LEFT		5.0					12.0	20.0	
97.0	IA 1	LEFT		5.0					11.0	20.0	
98.0	IA 1	LEFT		5.0				3.0			
99.0	IA 1	LEFT		5.0				160.0			
100.0	IA 1	LEFT		5.0				3.0			
101.0	IA 1	LEFT		5.0					6.0	10.0	
102.0	IA 1	LEFT		5.0					8.0	20.0	
103.0	IA 1	LEFT		5.0				5.0			
104.0	IA 1	LEFT		5.0				30.0			
105.0	IA 1	LEFT		5.0					20.0		
106.0	IA 1	LEFT		5.0				23.0			
107.0	IA 1	LEFT		5.0					11.0		
108.0	IA 1	LEFT		5.0				52.0			
109.0	IA 1	LEFT		5.0				54.0			
110.0	IA 1	LEFT		5.0					13.0		
111.0	IA 1	LEFT		5.0				47.0			
112.0	IA 1	LEFT		5.0					11.0		
113.0	IA 1	LEFT		5.0				9.0			
114.0	IA 1	LEFT		5.0					7.0	10.0	
115.0	IA 1	LEFT		5.0					14.0	20.0	
116.0	IA 1	LEFT		5.0				5.0			
117.0	IA 1	LEFT		5.0				23.0			

113_01
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SIDEWALKS

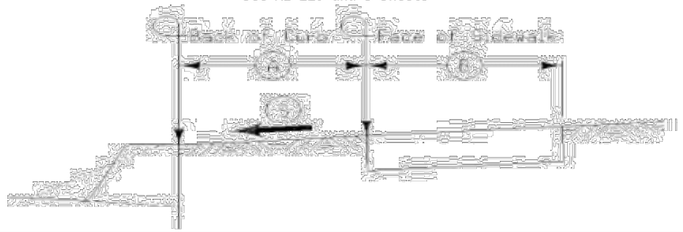
See MI-220 and S Sheets



Line No.	Intersection/Road	Quadrant/ Side	A (FT)	B (FT)	S (%)	Sidewalk Thickness (IN)	Sidewalk Length (FT)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
118.0	IA 1	LEFT		5.0					9.0		
119.0	IA 1	LEFT		5.0				8.0			
120.0	IA 1	LEFT		5.0					12.0		
121.0	IA 1	LEFT		5.0				23.0			
122.0	IA 1	LEFT		5.0					10.0		
123.0	IA 1	LEFT		5.0				74.0			
124.0	IA 1	LEFT		5.0					7.0	10.0	
125.0	IA 1	LEFT		5.0					13.0	20.0	
126.0	IA 1	LEFT		5.0				6.0			
127.0	IA 1	LEFT		5.0				135.0			
128.0	IA 1	LEFT		5.0					9.0		
129.0	IA 1	LEFT		5.0				37.0			
130.0	IA 1	LEFT		5.0					8.0		
131.0	IA 1	LEFT		5.0				32.0			
132.0	IA 1	LEFT		5.0					8.0		
133.0	IA 1	LEFT		5.0				6.0			
134.0	IA 1	LEFT		5.0					6.0		
135.0	IA 1	LEFT		5.0				29.0			
136.0	IA 1	LEFT		5.0					9.0		
137.0	IA 1	LEFT		5.0				78.0			
138.0	IA 1	LEFT		5.0					7.0	10.0	
139.0	IA 1	LEFT		5.0					12.0	20.0	
140.0	IA 1	LEFT		5.0				4.0			
141.0	IA 1	LEFT		5.0				76.0			
142.0	IA 1	LEFT		5.0					18.0		
143.0	IA 1	LEFT		5.0				65.0			
144.0	IA 1	LEFT		5.0					12.0	20.0	
145.0	IA 1	LEFT		5.0					7.0	10.0	
146.0	IA 1	LEFT		5.0				78.0			
147.0	IA 1	LEFT		5.0					7.0		
148.0	IA 1	LEFT		5.0				78.0			
149.0	IA 1	LEFT		5.0					7.0	10.0	
150.0	IA 1	LEFT		5.0					8.0	10.0	
151.0	IA 1	LEFT		5.0				2.0			
152.0	IA 1	LEFT		5.0				39.0			
153.0	IA 1	LEFT		5.0					9.0		
154.0	IA 1	LEFT		5.0				27.0			
155.0	IA 1	LEFT		5.0					8.0		
156.0	IA 1	LEFT		5.0				73.0			

SIDEWALKS

See MI-220 and S Sheets



Line No.	Intersection/Road	Quadrant/ Side	A (FT)	B (FT)	S (%)	Sidewalk Thickness (IN)	Sidewalk Length (FT)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
157.0	IA 1	LEFT		5.0				2.0			
158.0	IA 1	LEFT		5.0					8.0	10.0	
159.0	IA 1	LEFT		5.0					16.0	20.0	
160.0	IA 1	LEFT		5.0				2.0			
161.0	IA 1	LEFT		5.0				36.0			
162.0	IA 1	LEFT		5.0					10.0		
163.0	IA 1	LEFT		5.0				22.0			
164.0	IA 1	LEFT		5.0					5.0		
165.0	IA 1	LEFT		5.0				4.0			
166.0	IA 1	LEFT		5.0				24.0			
167.0	IA 1	LEFT		5.0					10.0		
168.0	IA 1	LEFT		5.0				29.0			
169.0	IA 1	LEFT		5.0					24.0		
170.0	IA 1	LEFT		5.0				43.0			
171.0	IA 1	LEFT		5.0					7.0	10.0	
172.0	IA 1	LEFT		10.0				47.0			
173.0	IA 1	LEFT		10.0					22.0	12.0	
174.0	IA 1	LEFT		8.0				60.0			
175.0	IA 1	LEFT		8.0					36.0		
176.0	IA 1	LEFT		8.0				106.0			
177.0	IA 1	LEFT		8.0					16.0		
178.0	IA 1	LEFT		8.0				58.0			
179.0	IA 1	LEFT		8.0					27.0		
180.0	IA 1	LEFT		8.0				27.0		15.0	
181.0	IA 1	LEFT		8.0					247.0	12.0	
182.0	IA 1	LEFT		8.0					15.0	16.0	
183.0	IA 1	LEFT		8.0					15.0	16.0	
184.0	IA 1	LEFT		8.0					531.0		
185.0	IA 1	LEFT							14.0	16.0	

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.
(1) Refer to MI-210.
(2) Refer to EW-501.
(3) Refer to EW-501 or EW-502.
*Predetermined for access point not constructed with this project.

Line No.	Station	Side	Access Type	Descriptor	Case	Curb Type	Curb Length (1) (LF)	Width (FT)	PR (1) (2) (FT)	SR (2) (FT)	Pipe Culvert (H) (3) (FT)	Pipe Culvert Size (3) (IN)	Pipe Culvert Length (3) (LF)	Pipe Culvert Lt. (3) (LF)	Pipe Culvert Rt. (3) (LF)	Pipe Culvert Aprons (3) (No.)	Driveway Surface Type	Driveway Surface Area (SY)	Driveway Surfacing Material (TON)	Remarks
1.0	107+15.00	Left	B		2	3 INCH DROP	46.0										PCC	35.0		102 PALISADES RD SW
2.0	107+20.00	Right	B		2	3 INCH DROP	54.0										PCC	55.0		720 1ST AVE SE
3.0	111+33.00	Left	C		2	3 INCH DROP	30.0										PCC	64.0		601 1ST AVE SW
4.0	111+55.00	Right	C		2	3 INCH DROP	16.0										PCC	15.0		604 1ST AVE SE
5.0	112+47.00	Right	C		2	3 INCH DROP	15.0										PCC	15.0		600 1ST AVE SE
6.0	115+26.00	Right	C		2	3 INCH DROP	34.0										PCC	49.0		506 1ST AVE SE
7.0	116+21.00	Right	C		2	3 INCH DROP	40.0										PCC	52.0		504 1ST AVE SE
8.0	116+23.00	Left	C		2	3 INCH DROP	29.0										PCC	51.0		WASHINGTON CT SW
9.0	116+86.00	Right	C		2	3 INCH DROP	34.0										PCC	39.0		504 1ST AVE SE
10.0	118+94.00	Right	C		2	3 INCH DROP	26.0										PCC / HMA	27.0	3.000	417 1ST AVE SE
11.0	118+98.00	Left	C		2	3 INCH DROP	20.0										PCC	34.0		407 1ST AVE SW
12.0	122+40.00	Left	C		2	3 INCH DROP	18.0										PCC	29.0		307 1ST AVE SW / ALLEY
13.0	122+38.00	Right	C		2	3 INCH DROP	18.0										PCC	29.0		306 1ST AVE SE / ALLEY
14.0	124+98.00	Right	C		2	3 INCH DROP	68.0										PCC	75.0		212 1ST AVE SE
15.0	126+44.00	Right	C		2	3 INCH DROP	24.0										PCC	26.0		208 1ST AVE SE
16.0	128+42.00	Left	C		2	3 INCH DROP	22.0										PCC	47.0		123 1ST AVE SW
17.0	128+59.00	Left	C		2	3 INCH DROP	25.0										PCC	37.0		PARKING
18.0	128+60.00	Right	C		2	3 INCH DROP	45.0										PCC	49.0		113 1ST AVE SW
19.0	129+21.00	Right	C		2	3 INCH DROP	24.0										PCC	19.0		ALLEY
20.0	129+20.00	Left	C		2	3 INCH DROP	36.0										PCC	46.0		ALLEY
21.0	129+75.00	Left	C		2	3 INCH DROP	86.0										PCC	123.0		STREET PARKING
22.0	129+75.00	Right	C		2	3 INCH DROP	94.0										PCC	81.0		STREET PARKING
23.0	132+10.00	Right	C		2	3 INCH DROP	84.0										PCC	104.0		STREET PARKING
24.0	132+10.00	Left	C		2	3 INCH DROP	91.0										PCC	133.0		STREET PARKING
25.0	132+64.00	Right	C		2	3 INCH DROP	25.0										PCC	29.0		ALLEY
26.0	132+76.00	Left	C		2	3 INCH DROP	37.0										PCC	82.0		ALLEY
27.0	133+81.00	Left	C		2	3 INCH DROP	36.0										PCC	36.0		117 1ST AVE NW
28.0	135+14.00	Left	C		2	3 INCH DROP	24.0										PCC	36.0		201 1ST AVE NW
29.0	135+44.00	Left	C		2	3 INCH DROP	24.0										PCC	37.0		209 1ST AVE NW
30.0	135+94.00	Right	C		2	3 INCH DROP	46.0										PCC	48.0		103 2ND ST NE
31.0	136+06.00	Left	C		2	3 INCH DROP	24.0										PCC	35.0		213 1ST AVE NW
32.0	140+42.00	Left	C		2	3 INCH DROP	28.0										PCC	39.0		ALLEY
33.0	140+55.00	Right	C		2	3 INCH DROP	28.0										PCC / CL A STONE	51.0	18.000	314 1ST AVE NE
34.0	141+22.00	Left	C		2	3 INCH DROP	21.0										PCC	31.0		321 1ST AVE NW
35.0	141+95.00	Left	C		2	3 INCH DROP	21.0										PCC	31.0		321 1ST AVE NW
36.0	142+18.00	Left	C		2	3 INCH DROP	16.0										PCC	23.0		409 1ST AVE NW
37.0	142+81.00	Left	C		2	3 INCH DROP	28.0										PCC	41.0		413 1ST AVE NW
38.0	142+88.00	Right	C		2	3 INCH DROP	50.0										PCC	45.0		410 1ST AVE NE
39.0	144+58.00	Right	C		2	3 INCH DROP	25.0										PCC	33.0		416 1ST AVE NE
40.0	144+95.00	Right	C		2	3 INCH DROP	25.0										PCC	32.0		504 1ST AVE NE
41.0	145+52.00	Right	C		2	3 INCH DROP	35.0										PCC	57.0		506 1ST AVE NE
42.0	146+30.00	Right	C		2	3 INCH DROP	40.0										PCC	59.0		506 1ST AVE NE

102_03
10/15/24

ACCESS POINTS AND SAFETY RAMPS

Refer to Cross-Sections

Length of Unclassified Pipe calculated is based on using Corrugated Metal Pipe.
(1) Refer to MI-210.
(2) Refer to EW-501.
(3) Refer to EW-501 or EW-502.
*Predetermined for access point not constructed with this project.

Line No.	Station	Side	Access Type	Descriptor	Case	Curb Type	Curb Length (1) (LF)	Width (FT)	PR (1) (2) (FT)	SR (2) (FT)	Pipe Culvert (H) (3) (FT)	Pipe Culvert Size (3) (IN)	Pipe Culvert Length (3) (LF)	Pipe Culvert Lt. (3) (LF)	Pipe Culvert Rt. (3) (LF)	Pipe Culvert Aprons (3) (No.)	Driveway Surface Type	Driveway Surface Area (SY)	Driveway Surfacing Material (TON)	Remarks
43.0	146+29.00	Left	C		2	3 INCH DROP	38.0										PCC	70.0		511 1ST AVE NW / ALLEY
44.0	146+73.00	Right	C		2	3 INCH DROP	22.0										PCC	41.0		510 1ST AVE NE
45.0	149+61.00	Left	C		2	3 INCH DROP	18.0										PCC	26.0		ALLEY
46.0	152+40.00	Left	C		2	3 INCH DROP	22.0										PCC	36.0		709 1ST AVE NW
47.0	152+55.00	Right	C		2	3 INCH DROP	37.0										PCC	38.0		700 1ST AVE NE
48.0	153+03.00	Left	C		2	3 INCH DROP	22.0										PCC	32.0		713 1ST AVE NW
49.0	155+24.00	Right	C		2	3 INCH DROP	16.0										PCC	13.0		802 1ST AVE NE
50.0	155+74.00	Left	C		2	3 INCH DROP	24.0										PCC	41.0		803 1ST AVE NW
51.0	156+21.00	Right	C		2	3 INCH DROP	26.0										PCC	13.0		804 1ST AVE NE
52.0	156+28.00	Left	C		2	3 INCH DROP	17.0										PCC	24.0		805 1ST AVE NW
53.0	156+56.00	Left	C		2	3 INCH DROP	18.0										PCC	25.0		807 1ST AVE NW
54.0	157+66.00	Left	C		2	3 INCH DROP	19.0										PCC	23.0		809 1ST AVE NW
55.0	157+01.00	Right	C		2	3 INCH DROP	16.0										PCC	9.0		808 1ST AVE NE
56.0	157+38.00	Right	C		2	3 INCH DROP	18.0										PCC	11.0		810 1ST AVE NE
57.0	158+47.00	Right	C		2	3 INCH DROP	24.0										PCC	21.0		906 1ST AVE NE
58.0	158+47.00	Left	C		2	3 INCH DROP	40.0										PCC	61.0		903 1ST AVE NW
59.0	159+64.00	Right	C		2	3 INCH DROP	30.0										PCC	27.0		914 1ST AVE NE
60.0	161+40.00	Right	C		2	3 INCH DROP	102.0										PCC	128.0		1010 1ST AVE NW
61.0	161+19.00	Left	C		2	3 INCH DROP	58.0										PCC	59.0		1010 1ST AVE NW
62.0	162+55.00	Left	C		2	3 INCH DROP	24.0										PCC	14.0		1010 1ST AVE NW
63.0	163+40.00	Right	C		2	3 INCH DROP	57.0										PCC	45.0		1011 1ST AVE NE
64.0	163+51.00	Left	C		2	3 INCH DROP	38.0										PCC	35.0		1012 1ST AVE NW
65.0	166+46.00	Left	C		2	3 INCH DROP											PCC	17.0		1109 1ST AVE NW
66.0	171+65.00	Left	C		2	3 INCH DROP											PCC	15.0		1103 1ST AVE NW

100_05
10/17/23

CURB AND GUTTER

Refer to PV-102

Line No.	Station From	Station To	Side	Length (LF)	Width (LF)	Width 1.5 (LF)	Width 2.0 (LF)	Width 2.5 (LF)	Width 3.0 (LF)	Width 3.5 (LF)	Width 4.0 (LF)	Width 4.5 (LF)	Width 5.0 (LF)	Width 5.5 (LF)	Modified Subbase (CY)	Special Backfill (TON)	Remarks
1.0	120+78.00	120+81.00	Right						73.00						4.00		

104_05A
8/15/22

INTAKES AND UTILITY ACCESSES

* Not a Bid Item
** For SW-545

Line No.	Location	Type or Standard Road Plan*	Form Grade Elev.	Bottom Well Elev.	Extension Length** (FT)	Remarks
1.0	120+25.65	SW-510	824.17	819.67		SW-510-1
2.0	120+25.65	SW-510	824.17	819.32		SW-510-2
3.0	121+13.00	SW-510	824.93	821.21		SW-510-3
4.0	121+13.00	SW-510	824.93	820.35		SW-510-4
5.0	120+93.24	SW-401		818.90		SW-401-1 RIM=824.86
6.0	120+84.33	SW-401		818.74		SW-401-2 RIM=824.28
7.0		SW-401		818.60		SW-401-3 RIM=822.76
8.0	150+39.33	SW-507	832.55	829.92		SW-507-1
9.0	156+06.75	SW-507	836.02	832.36		SW-507-2
10.0	156+06.75	SW-507	836.01	831.77		SW-507-3
11.0	158+14.87	SW-507	834.23	831.65		SW-507-4
12.0	158+14.87	SW-507	834.23	831.46		SW-507-5
13.0	120+69.01	SW-301		812.27		SW-301-1 RIM=824.53
14.0	137+71.54	SW-301		813.05		SW-301-2 RIM=832.06
15.0	141+03.06	SW-301		813.75		SW-301-3 RIM=823.56
16.0	144+53.05	SW-301		814.29		SW-301-4 RIM=821.28
17.0	165+29.91	SW-512	841.65	839.53		TRAIL SW-512-1
18.0	167+10.59	SW-512	840.98	838.85		TRAIL SW-512-2
19.0	168+35.77	SW-512	840.87	838.75		TRAIL SW-512-3

110_14
7/11/24

SANITARY OR STORM SEWER ABANDONMENT OR REMOVAL

* Not a bid item

Line No.	Location Description	Sewer and Work Type	≤ 36 inch Diameter (LF)	> 36 inch Diameter (LF)	Plug Quantity (EA)	* Flowable Mortar or CLSM (CY)	Remarks
1.0	S 4TH ST	Storm Sewer - Removal	8.0				
2.0	S 4TH ST	Storm Sewer - Removal	49.0				
3.0	S 4TH ST	Storm Sewer - Removal	38.0				
4.0	S 4TH ST	Storm Sewer - Removal	25.0				
5.0	S 4TH ST	Storm Sewer - Removal	68.0				
6.0	S 4TH ST	Storm Sewer - Removal	59.0				
7.0	S 4TH ST	Storm Sewer - Removal	35.0				
8.0	S 4TH ST	Storm Sewer - Removal	72.0				
9.0	S 4TH ST	Storm Sewer - Removal	10.0				
10.0	S 4TH ST	Storm Sewer - Removal	26.0				
11.0	S 4TH ST	Sanitary Sewer - Removal	46.0				
12.0	S 4TH ST	Sanitary Sewer - Removal	37.0				
13.0	N 3RD ST - N 5TH ST	Sanitary Sewer - Removal	682.0				
14.0	STA. 156+06.72	Storm Sewer - Removal	26.0				
15.0	STA. 158+13.22	Storm Sewer - Removal	38.0				

104_11
8/15/22

REBUILDING OF INTAKES AND UTILITY ACCESSES

Line No.	Item No.	Location Station	Type	Adjustment
1.0		110+51.44	SANITARY MANHOLE	MINOR
2.0		117+63.65	SANITARY MANHOLE	MINOR
3.0		124+50.42	STORM INTAKE	MAJOR
4.0		124+50.71	STORM INTAKE	MAJOR
5.0		126+88.50	STORM INTAKE	MAJOR
6.0		127+92.08	STORM INTAKE	MAJOR
7.0		127+91.97	STORM INTAKE	MAJOR
8.0		129+15.56	STORM MANHOLE	MINOR
9.0		133+57.92	STORM INTAKE	MAJOR
10.0		133+92.09	STORM INTAKE	MAJOR
11.0		137+29.26	STORM INTAKE	MAJOR
12.0		137+28.70	STORM INTAKE	MAJOR
13.0		137+54.97	STORM MANHOLE	MINOR
14.0		143+88.38	STORM INTAKE	MAJOR
15.0		144+04.76	STORM INTAKE	MAJOR
16.0		144+49.70	SANITARY MANHOLE	MINOR
17.0		144+60.17	SANITARY MANHOLE	MINOR
18.0		144+61.42	SANITARY MANHOLE	MINOR
19.0		146+72.79	SANITARY MANHOLE	MINOR
20.0		146+90.14	STORM INTAKE	MAJOR
21.0		146+94.57	STORM INTAKE	MAJOR
22.0		148+27.34	SANITARY MANHOLE	MINOR
23.0		148+51.64	STORM MANHOLE	MINOR
24.0		151+30.82	SANITARY MANHOLE	MINOR
25.0		151+40.07	STORM MANHOLE	MINOR
26.0		154+70.66	SANITARY MANHOLE	MINOR
27.0		158+14.87	STORM INTAKE	MAJOR

110_15
8/15/22

REMOVAL OF INTAKES AND UTILITY ACCESSES

Line No.	Item No.	Location Description	Type	Remarks
1.0	50019	STA. 119+81.71, 14.34 L	Intakes	STORM MH
2.0	50012	STA. 120+27.03, 14.63 L	Intakes	STORM
3.0	50011	STA. 120+23.76, 14.15 R	Intakes	STORM
4.0	76233	STA. 120+69.64, 3.85 R	Utilities	SANITARY MH
5.0	50016	STA. 120+83.60, 52.14 R	Intakes	STORM MH
6.0	50017	STA. 120+89.42, 17.60 R	Intakes	STORM MH
7.0	50014	STA. 121+01.02, 13.78 R	Intakes	STORM
8.0	50013	STA. 121+04.31, 13.63 L	Intakes	STORM MH
9.0	13497	STA. 137+72.13, 4.66 R	Utilities	SANITARY MH
10.0	13669	STA. 144+53.65, 0.07 R	Utilities	SANITARY MH
11.0	79707	STA. 156+06.28, 15.28 R	Intakes	STORM
12.0	79617	STA. 156+07.10, 14.99 L	Intakes	STORM
13.0	80098	STA. 158+11.43, 20.73 L	Intakes	STORM

103_10
4/30/25

TOPSOIL STRIPPING AND PLACEMENT

Line No.	Road Identification	Dir. of Traffic	Station From	Station To	Topsoil Stripping Thickness (IN)	Topsoil Placement Thickness (IN)	Remarks
1.0	HWY 1	SB	107+25.00	109+90.00	6.0	6.0	
2.0	HWY 1	NB	107+25.00	110+50.00	6.0	6.0	
3.0	HWY 1	SB	110+50.00	111+15.00	6.0	6.0	
4.0	HWY 1	SB	111+40.00	116+10.00	6.0	6.0	
5.0	HWY 1	NB	110+75.00	111+50.00	6.0	6.0	
6.0	HWY 1	NB	111+60.00	112+40.00	6.0	6.0	
7.0	HWY 1	NB	112+50.00	115+10.00	6.0	6.0	
8.0	HWY 1	NB	115+40.00	116+05.00	6.0	6.0	
9.0	HWY 1	SB	116+35.00	118+90.00	6.0	6.0	
10.0	HWY 1	SB	119+05.00	120+57.00	6.0	6.0	
11.0	HWY 1	SB	120+83.00	123+90.00	6.0	6.0	
12.0	HWY 1	SB	124+22.00	127+35.00	6.0	6.0	
13.0	HWY 1	NB	116+30.00	116+77.00	6.0	6.0	
14.0	HWY 1	NB	116+90.00	118+85.00	6.0	6.0	
15.0	HWY 1	NB	119+05.00	120+53.00	6.0	6.0	
16.0	HWY 1	NB	120+80.00	122+30.00	6.0	6.0	
17.0	HWY 1	NB	122+45.00	123+92.00	6.0	6.0	
18.0	HWY 1	NB	124+36.00	124+72.00	6.0	6.0	
19.0	HWY 1	NB	125+34.00	126+34.00	6.0	6.0	
20.0	HWY 1	NB	126+50.00	127+32.00	6.0	6.0	
21.0	HWY 1	SB	127+65.00	128+30.00	6.0	6.0	
22.0	HWY 1	NB	127+66.00	128+38.00	6.0	6.0	
23.0	HWY 1	SB	132+90.00	133+70.00	6.0	6.0	
24.0	HWY 1	SB	133+93.00	137+17.00	6.0	6.0	
25.0	HWY 1	SB	134+46.00	135+00.00	6.0	6.0	
26.0	HWY 1	SB	135+25.00	135+31.00	6.0	6.0	
27.0	HWY 1	SB	135+52.00	135+94.00	6.0	6.0	
28.0	HWY 1	SB	136+15.00	137+55.00	6.0	6.0	
29.0	HWY 1	SB	137+83.00	140+30.00	6.0	6.0	
30.0	HWY 1	NB	132+70.00	134+18.00	6.0	6.0	
31.0	HWY 1	NB	134+44.00	135+72.00	6.0	6.0	
32.0	HWY 1	NB	136+09.00	137+55.00	6.0	6.0	
33.0	HWY 1	NB	137+84.00	140+44.00	6.0	6.0	
34.0	HWY 1	SB	140+50.00	141+11.00	6.0	6.0	
35.0	HWY 1	SB	141+30.00	141+84.00	6.0	6.0	
36.0	HWY 1	SB	142+00.00	142+10.00	6.0	6.0	
37.0	HWY 1	SB	142+23.00	142+72.00	6.0	6.0	
38.0	HWY 1	NB	142+92.00	144+42.00	6.0	6.0	
39.0	HWY 1	SB	144+70.00	146+10.00	6.0	6.0	
40.0	HWY 1	SB	146+46.00	147+78.00	6.0	6.0	
41.0	HWY 1	SB	148+00.00	149+00.00	6.0	6.0	
42.0	HWY 1	SB	149+67.00	151+18.00	6.0	6.0	
43.0	HWY 1	SB	151+44.00	152+28.00	6.0	6.0	
44.0	HWY 1	NB	140+67.00	142+71.00	6.0	6.0	
45.0	HWY 1	NB	143+09.00	144+46.00	6.0	6.0	
46.0	HWY 1	NB	144+65.00	144+86.00	6.0	6.0	
47.0	HWY 1	NB	145+02.00	145+36.00	6.0	6.0	
48.0	HWY 1	NB	145+66.00	146+15.00	6.0	6.0	
49.0	HWY 1	NB	146+50.00	146+61.00	6.0	6.0	

103_10
4/30/25

TOPSOIL STRIPPING AND PLACEMENT

Line No.	Road Identification	Dir. of Traffic	Station From	Station To	Topsoil Stripping Thickness (IN)	Topsoil Placement Thickness (IN)	Remarks
50.0	HWY 1	NB	146+81.00	148+18.00	6.0	6.0	
51.0	HWY 1	NB	148+50.00	151+16.00	6.0	6.0	
52.0	HWY 1	NB	151+45.00	152+35.00	6.0	6.0	
53.0	HWY 1	SB	152+50.00	152+94.00	6.0	6.0	
54.0	HWY 1	SB	153+10.00	154+60.00	6.0	6.0	
55.0	HWY 1	SB	154+82.00	1+55.65	6.0	6.0	
56.0	HWY 1	SB	155+84.00	156+20.00	6.0	6.0	
57.0	HWY 1	SB	156+33.00	156+47.00	6.0	6.0	
58.0	HWY 1	SB	156+62.00	157+60.00	6.0	6.0	
59.0	HWY 1	SB	157+74.00	158+31.00	6.0	6.0	
60.0	HWY 1	SB	158+68.00	159+68.00	6.0	6.0	
61.0	HWY 1	SB	160+12.00	160+95.00	6.0	6.0	
62.0	HWY 1	SB	161+36.00	162+46.00	6.0	6.0	
63.0	HWY 1	SB	162+64.00	163+91.00	6.0	6.0	
64.0	HWY 1	NB	152+68.00	154+57.00	6.0	6.0	
65.0	HWY 1	NB	154+85.00	155+16.00	6.0	6.0	
66.0	HWY 1	NB	155+31.00	156+10.00	6.0	6.0	
67.0	HWY 1	NB	156+33.00	156+93.00	6.0	6.0	
68.0	HWY 1	NB	157+06.00	157+29.00	6.0	6.0	
69.0	HWY 1	NB	157+43.00	158+39.00	6.0	6.0	
70.0	HWY 1	NB	158+55.00	159+53.00	6.0	6.0	
71.0	HWY 1	NB	159+73.00	161+43.00	6.0	6.0	
72.0	HWY 1	NB	161+92.00	163+13.00	6.0	6.0	
73.0	HWY 1	NB	163+65.00	163+68.00	6.0	6.0	
74.0	HWY 1	SB	164+50.00	166+40.00	6.0	6.0	
75.0	HWY 1	SB	166+52.00	167+42.00	6.0	6.0	
76.0	HWY 1	SB	167+73.00	171+57.00	6.0	6.0	
77.0	HWY 1	SB	171+72.00	174+00.00	6.0	6.0	
78.0	HWY 1	SB	174+28.00	174+85.00	6.0	6.0	

LONGITUDINAL SUBDRAIN SHOULDER

* Not a bid item.

Line No.	Road or Lane Identification	Station From	Station To	Side	Depth (IN) (D)	Subdrain Size (IN)	Length (FT)	Outlet Station	Outlet Type	Porous Backfill* (CY)	Remarks
1.0	Highway 1	106+92.00	120+25.00	L	36.0	4.0	1340.0			124.0	Connect to existing subdrain
2.0								120+25.00	DR-303		Intake SW 510-1
3.0	Highway 1	120+25.00	121+15.00	L	36.0	4.0	95.0	120+25.00	DR-303	9.0	Intake SW 510-1
4.0								121+15.00	DR-303		Intake SW 510-3
5.0	Highway 1	121+15.00	124+50.00	L	36.0	4.0	335.0	121+15.00	DR-303	31.0	Intake SW 510-3
6.0								124+50.00	DR-303		Existing intake
7.0	Highway 1	106+92.00	110+92.00	R	36.0	4.0	420.0			39.0	Connect to existing subdrain
8.0								110+92.00	DR-303		Existing intake on 7th Street SE
9.0	Highway 1	110+92.00	120+25.00	R	36.0	4.0	1040.0			96.0	Existing intake on 7th Street SE
10.0								120+25.00	DR-303		Intake SW 510-2
11.0	Highway 1	137+25.00	121+15.00	R	36.0	4.0	95.0		DR-303	9.0	Intake SW 510-2
12.0								121+15.00	DR-303		Intake SW 510-2
13.0	Highway 1	137+25.00	144+00.00	L	36.0	4.0	675.0		DR-303	63.0	Existing intake
14.0								144+00.00	DR-303		Existing intake
15.0	Highway 1	144+00.00	146+95.00	L	36.0	4.0	295.0		DR-303	27.0	Existing intake
16.0								146+95.00	DR-303		Existing intake
17.0	Highway 1	146+95.00	150+40.00	L	36.0	4.0	345.0		DR-303	32.0	Existing intake
18.0								150+40.00	DR-303		Intake SW 507-1
19.0	Highway 1	150+40.00	156+06.00	L	36.0	4.0	606.0		DR-303	56.0	Intake SW 507-1
20.0								156+06.00	DR-303		Intake SW 507-2
21.0	Highway 1	156+06.00	158+15.00	L	36.0	4.0	209.0		DR-303	19.0	Intake SW 507-2
22.0								158+15.00	DR-303		Intake SW 507-4
23.0	Highway 1	158+15.00	163+70.00	L	36.0	4.0	555.0		DR-303	42.8	Intake SW 507-4
24.0								163+70.00			Cap end
25.0	Highway 1	137+25.00	143+90.00	R	36.0	4.0	665.0		DR-303	62.0	Existing intake
26.0								143+90.00	DR-303		Existing intake
27.0	Highway 1	143+90.00	146+90.00	R	36.0	4.0	300.0		DR-303	28.0	Existing intake
28.0								146+90.00	DR-303		Existing intake
29.0	Highway 1	146+90.00	150+40.00	R	36.0	4.0	350.0		DR-303	32.0	Existing intake
30.0								150+40.00	DR-303		Intake SW 507
31.0	Highway 1	150+40.00	156+06.00	R	36.0	4.0	606.0		DR-303	56.0	Intake SW 507
32.0								156+06.00	DR-303		Intake SW 507-3
33.0	Highway 1	156+06.00	158+15.00	R	36.0	4.0	209.0		DR-303	19.0	Intake SW 507-3
34.0								158+15.00	DR-303		Intake SW 507-5
35.0	Highway 1	158+15.00	163+70.00	R	36.0	4.0	555.0		DR-303	43.0	Intake SW 507-5
36.0								163+70.00			Cap end

104_10
4/16/24

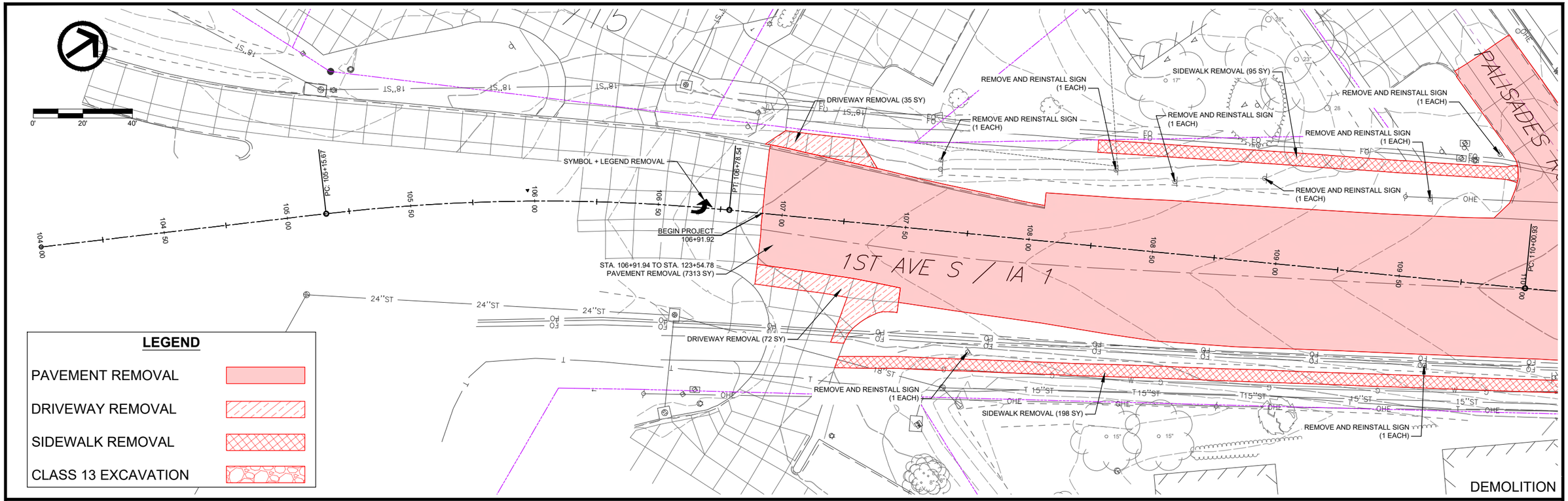
ADJUSTMENT OF FIXTURES

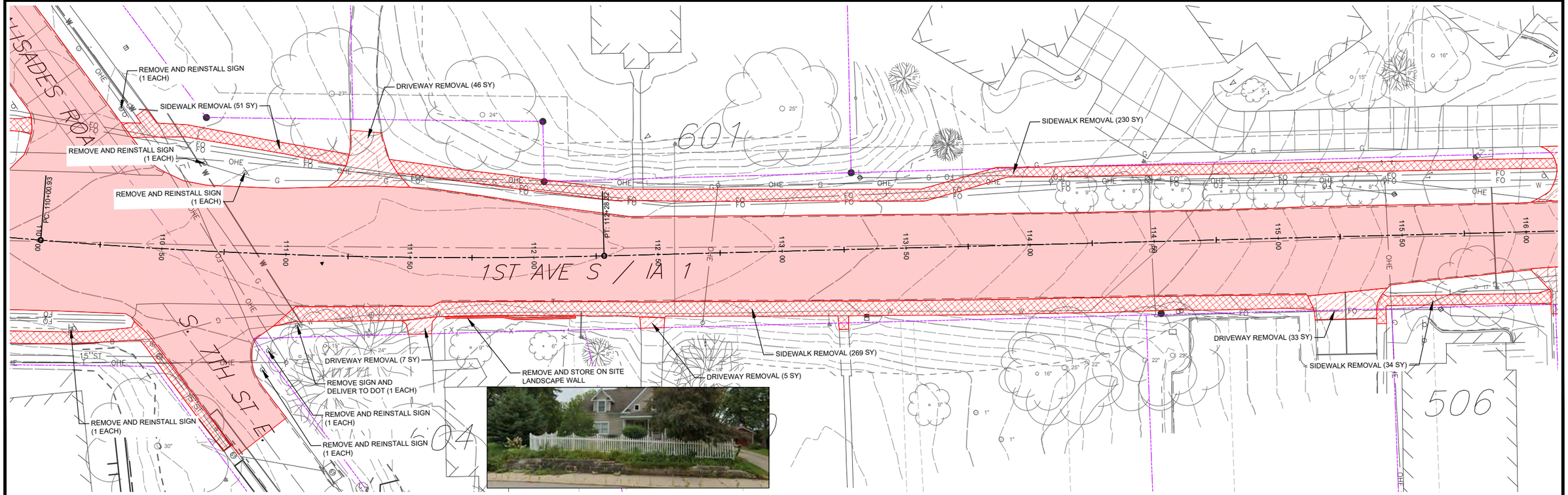
Line No.	Location Station	Side	Type of Fixture	Adjustment
1.0	110+48.48	Right	WATER VALVE	MINOR, ADJUST TO FINISHED GRADE
2.0	114+48.67	Left	HANDHOLE	ADJUST TO THE EAST
3.0	115+62.00	Left	GUY WIRE	RELOCATE TO THE EAST OR WEST
4.0	117+30.04	Right	CURB STOP	INSTALL CURB STOP COVER
5.0	117+77.26	Right	CURB STOP	INSTALL CURB STOP COVER
6.0	118+50.79	Right	CURB STOP	INSTALL CURB STOP COVER
7.0	120+06.11	Right	CURB STOP	INSTALL CURB STOP COVER
8.0	120+20.45	Left	HANDHOLE	ADJUST TO THE EAST
9.0	121+20.55	Right	CURB STOP	INSTALL CURB STOP COVER
10.0	121+86.27	Left	CURB STOP	INSTALL CURB STOP COVER
11.0	122+01.74	Right	CURB STOP	INSTALL CURB STOP COVER
12.0	122+83.11	Right	CURB STOP	INSTALL CURB STOP COVER
13.0	123+89.19	Left	UTILITY POLE	RELOCATE TO THE EAST OR WEST
14.0	125+07.63	Right	HANDHOLE	ADJUST TO FINISHED GRADE
15.0	125+81.56	Left	HANDHOLE	ADJUST TO THE EAST
16.0	126+51.27	Left	HANDHOLE	ADJUST TO THE EAST
17.0	126+92.72	Left	CURB STOP	INSTALL CURB STOP COVER
18.0	127+25.21	Left	UTILITY POLE	RELOCATE TO THE EAST OR WEST
19.0	127+71.00	Left	HANDHOLES	ADJUST TO THE WEST
20.0	133+33.99	Right	HANDHOLE	ADJUST TO THE WEST
21.0	134+55.50	Left	GUY WIRE	RELOCATE TO THE EAST OR WEST
22.0	134+57.89	Left	HANDHOLE	ADJUST TO THE NORTH OR SOUTH
23.0	135+26.85	Left	HANDHOLE	ADJUST TO THE WEST
24.0	135+89.83	Right	CURB STOP	INSTALL CURB STOP COVER
25.0	136+70.41	Left	HANDHOLE	ADJUST TO THE EAST
26.0	137+48.36	Right	HANDHOLE	ADJUST TO THE WEST
27.0	137+80.50	Left	WATER VALVES	MINOR, ADJUST TO FINISHED GRADE
28.0	137+93.09	Left	LIGHT POLE	RELOCATE TO THE EAST OR WEST
29.0	137+95.32	Right	HANDHOLE	ADJUST TO THE SOUTH
30.0	138+02.86	Left	HANDHOLE	ADJUST TO THE EAST
31.0	138+30.21	Left	CURB STOP	INSTALL CURB STOP COVER
32.0	139+16.95	Left	CURB STOP	INSTALL CURB STOP COVER
33.0	139+28.27	Left	HANDHOLE	ADJUST TO THE EAST
34.0	140+09.21	Left	CURB STOP	INSTALL CURB STOP COVER
35.0	140+97.24	Left	HANDHOLE	ADJUST TO THE EAST
36.0	141+18.00	Left	CURB STOP	INSTALL CURB STOP COVER
37.0	142+35.61	Left	CURB STOP	INSTALL CURB STOP COVER
38.0	143+57.47	Left	HANDHOLE	ADJUST TO THE EAST
39.0	144+39.71	Right	HANDHOLE	ADJUST TO THE EAST OR WEST
40.0	144+97.36	Left	CURB STOP	INSTALL CURB STOP COVER
41.0	145+37.30	Left	HANDHOLE	ADJUST TO THE EAST
42.0	145+13.93	Right	CURB STOP	INSTALL CURB STOP COVER
43.0	147+02.60	Left	HANDHOLE	ADJUST TO THE EAST
44.0	148+17.60	Left	HANDHOLE	ADJUST TO THE EAST
45.0	149+02.71	Left	CURB STOP	INSTALL CURB STOP COVER
46.0	150+12.51	Left	CURB STOP	INSTALL CURB STOP COVER
47.0	150+51.92	Left	CURB STOP	INSTALL CURB STOP COVER
48.0	151+49.34	Left	WATER VALVE	MINOR, ADJUST TO FINISHED GRADE
49.0	151+57.97	Left	UTILITY POLE	RELOCATE TO THE WEST

104_10
4/16/24

ADJUSTMENT OF FIXTURES

Line No.	Location Station	Side	Type of Fixture	Adjustment
50.0	152+26.17	Left	HANDHOLE	ADJUST TO THE EAST
51.0	153+67.88	Left	HANDHOLE	ADJUST TO THE EAST
52.0	154+38.38	Left	HANDHOLE	ADJUST TO THE EAST
53.0	155+25.28	Left	CURB STOP	INSTALL CURB STOP COVER
54.0	155+83.74	Left	HANDHOLE	ADJUST TO THE EAST
55.0	157+86.42	Left	HANDHOLE	ADJUST TO THE EAST
56.0	158+30.53	Left	CURB STOP	INSTALL CURB STOP COVER
57.0	158+32.19	Left	WATER VALVE	MINOR, ADJUST TO FINISHED GRADE
58.0	160+36.00	Left	WATER VALVES	MINOR, ADJUST TO FINISHED GRADE
59.0	161+67.72	Left	WATER VALVE	MINOR, ADJUST TO FINISHED GRADE
60.0	163+35.75	Left	CURB STOP	INSTALL CURB STOP COVER





FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER CD.01	

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FILE PATH: \\CORIA-NASNIP01.KLEINFELDER.COM\CRVLSHARE\0500\0513-MOUNT_VERNON\0513-0061_HGHWY_1_RECONSTRUCTION_DS_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\CD - DEMOLITION

REMOVE AND REINSTALL SIGN (1 EACH)
DRIVEWAY REMOVAL (61 SY)
SIDEWALK REMOVAL (114 SY)
DRIVEWAY REMOVAL (43 SY)
REMOVE STORM SEWER PIPE LE 36IN (8 LF)
CLEARING & GRUBBING 6" (1.6 UNITS)
SIDEWALK REMOVAL (82 SY)
REMOVAL OF INTAKE (1 EA)
REMOVE STORM SEWER PIPE LE 36IN (49 LF)
REMOVE STORM SEWER PIPE LE 36IN (25 LF)
REMOVE SAN SEWER PIPE LE 36IN (46 LF)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVAL OF INTAKE (1 EA)
REMOVE STORM SEWER PIPE LE 36IN (38 LF)
REMOVAL OF UTILITY ACCESS (1 EA)
REMOVE SAN SEWER PIPE LE 36IN (37 LF)
REMOVE AND REINSTALL SIGN (1 EACH)
SIDEWALK REMOVAL (63 SY)
REMOVAL OF INTAKE (1 EA)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVE STORM SEWER PIPE LE 36IN (26 LF)
REMOVAL OF INTAKE (2 EA)
REMOVE STORM SEWER PIPE LE 36IN (10 LF)
REMOVE AND REINSTALL SIGN (1 EACH)
SIDEWALK REMOVAL (66 SY)
REMOVE STORM SEWER PIPE LE 36IN (59 LF)
REMOVE STORM SEWER PIPE LE 36IN (35 LF)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVAL OF INTAKE (1 EA)
REMOVE STORM SEWER PIPE LE 36IN (72 LF)
SIDEWALK REMOVAL (27 SY)
DRIVEWAY REMOVAL (57 SY)
DRIVEWAY REMOVAL (48 SY)
SIDEWALK REMOVAL (82 SY)
DRIVEWAY REMOVAL (48 SY)
SIDEWALK REMOVAL (72 SY)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVAL OF INTAKE (1 EA)
REMOVE STORM SEWER PIPE LE 36IN (68 LF)
REMOVE CURB AND GUTTER PAVEMENT REMOVAL (24 SY) DIV II (CITY)
1ST AVE S / IA 1
S 4TH STREET
DEMOLITION

DRIVEWAY REMOVAL (29 SY)
SIDEWALK REMOVAL (73 SY)
CLEARING & GRUBBING 24" (22.0 UNITS)
CLEARING & GRUBBING 24" (22.0 UNITS)
CL 13 EXCAVATION (1 CY)
PAVEMENT REMOVAL (128 SY) CL 10 EXCAVATION (43 CY)
PROTECT FENCE
SAWCUT EDGE PROTECT GATE
SIDEWALK REMOVAL (143 SY) CL 10 EXCAVATION (24 CY)
PATCHING SEE D-SHEETS
PAVEMENT REMOVAL (40 SY) CL 10 EXCAVATION (13 CY)
PAVEMENT REMOVAL (39 SY) CL 10 EXCAVATION (13 CY)
REMOVE AND REINSTALL SIGN (1 EACH)
PATCHING SEE D-SHEETS
CL 13 EXCAVATION (3 CY)
DRIVEWAY REMOVAL (109 SY) CL 10 EXCAVATION (18 CY)
SIDEWALK REMOVAL (37 SY) CL 10 EXCAVATION (6 CY)
SIDEWALK REMOVAL (40 SY) CL 10 EXCAVATION (7 CY)
DRIVEWAY REMOVAL (33 SY) CL 10 EXCAVATION (5 CY)
PAVEMENT REMOVAL (25 SY) CL 10 EXCAVATION (8 CY)
PAVEMENT REMOVAL (32 SY) CL 10 EXCAVATION (11 CY)
CL 13 EXCAVATION (2 CY)
SIDEWALK REMOVAL (71 SY)
REMOVE AND REINSTALL SIGN (1 EACH)
PAVEMENT REMOVAL (36 SY) CL 10 EXCAVATION (12 CY)
SIDEWALK REMOVAL (56 SY) CL 10 EXCAVATION (9 CY)
PAVEMENT REMOVAL (34 SY) CL 10 EXCAVATION (11 CY)
DRIVEWAY REMOVAL (30 SY)
1ST AVE S / IA 1
S 3RD STREET
S 2ND STREET

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	CD.02

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SIDEWALK REMOVAL (38 SY)
CL 10 EXCAVATION (6 CY)
DRIVEWAY REMOVAL (103 SY)
CL 10 EXCAVATION (17 CY)
SIDEWALK REMOVAL (17 SY)
CL 10 EXCAVATION (3 CY)
DRIVEWAY REMOVAL (52 SY)
CL 10 EXCAVATION (9 CY)
SIDEWALK REMOVAL (53 SY)
CL 10 EXCAVATION (9 CY)
DRIVEWAY REMOVAL (126 SY)
CL 10 EXCAVATION (21 CY)
1ST STREET
PI 130+91.29
BRICK PAVERS
SEE D-SHEETS
PATCHING
SEE D-SHEETS
PATCHING
SEE D-SHEETS
DRIVEWAY REMOVAL (98 SY)
CL 10 EXCAVATION (16 CY)
SIDEWALK REMOVAL (45 SY)
CL 10 EXCAVATION (8 CY)
REMOVE AND STORE ON SITE
LANDSCAPE WALL
DRIVEWAY REMOVAL (136 SY)
CL 10 EXCAVATION (23 CY)
SIDEWALK REMOVAL (48 SY)
CL 10 EXCAVATION (8 CY)
DRIVEWAY REMOVAL (46 SY)
CL 10 EXCAVATION (8 CY)
REMOVE AND REINSTALL SIGN
(1 EACH)
DRIVEWAY REMOVAL (33 SY)
CL 10 EXCAVATION (5 CY)
SIDEWALK REMOVAL (42 SY)
CL 10 EXCAVATION (7 CY)
SIDEWALK REMOVAL (17 SY)
CL 10 EXCAVATION (3 CY)
DRIVEWAY REMOVAL (27 SY)
CL 10 EXCAVATION (5 CY)
SIDEWALK REMOVAL (54 SY)
CL 10 EXCAVATION (9 CY)
DRIVEWAY REMOVAL (88 SY)
CL 10 EXCAVATION (15 CY)
DRIVEWAY REMOVAL (113 SY)
CL 10 EXCAVATION (19 CY)
SIDEWALK REMOVAL (40 SY)
CL 10 EXCAVATION (7 CY)
DRIVEWAY REMOVAL (37 SY)
CL 10 EXCAVATION (6 CY)
SIDEWALK REMOVAL (66 SY)
CL 10 EXCAVATION (11 CY)
DEMOLITION
N 2ND STREET
PAVEMENT REMOVAL (31 SY)
CL 10 EXCAVATION (10 CY)
SIDEWALK REMOVAL (15 SY)
CL 10 EXCAVATION (2 CY)
SIDEWALK REMOVAL (36 SY)
CL 10 EXCAVATION (6 CY)
DRIVEWAY REMOVAL (48 SY)
CL 10 EXCAVATION (8 CY)
SIDEWALK REMOVAL (4 SY)
CL 10 EXCAVATION (1 CY)
DRIVEWAY REMOVAL (46 SY)
CL 10 EXCAVATION (8 CY)
SIDEWALK REMOVAL (19 SY)
CL 10 EXCAVATION (3 CY)
DRIVEWAY REMOVAL (37 SY)
CL 10 EXCAVATION (6 CY)
CL 13 EXCAVATION (1 CY)
SIDEWALK REMOVAL (63 SY)
CL 10 EXCAVATION (10 CY)
N 3RD STREET
REMOVE AND REINSTALL SIGN
(1 EACH)
SIDEWALK REMOVAL (118 SY)
1ST AVE N
PAVEMENT REMOVAL (6 SY)
CL 10 EXCAVATION (2 CY)
STA. 137+45.51 TO STA. 163+69.29
PAVEMENT REMOVAL (8938 SY)
PAVEMENT REMOVAL (33 SY)
CL 10 EXCAVATION (11 CY)
PAVEMENT REMOVAL (5 SY)
CL 10 EXCAVATION (2 CY)
SIDEWALK REMOVAL (65 SY)
CL 10 EXCAVATION (11 CY)
DRIVEWAY REMOVAL (71 SY)
CL 10 EXCAVATION (12 CY)
SIDEWALK REMOVAL (66 SY)
CL 10 EXCAVATION (11 CY)
REMOVAL OF UTILITY ACCESS (1 EA)
REMOVE SANITARY SEWER PIPE
LE 36" (682 LF)
SIDEWALK REMOVAL (116 SY)

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	CD.03

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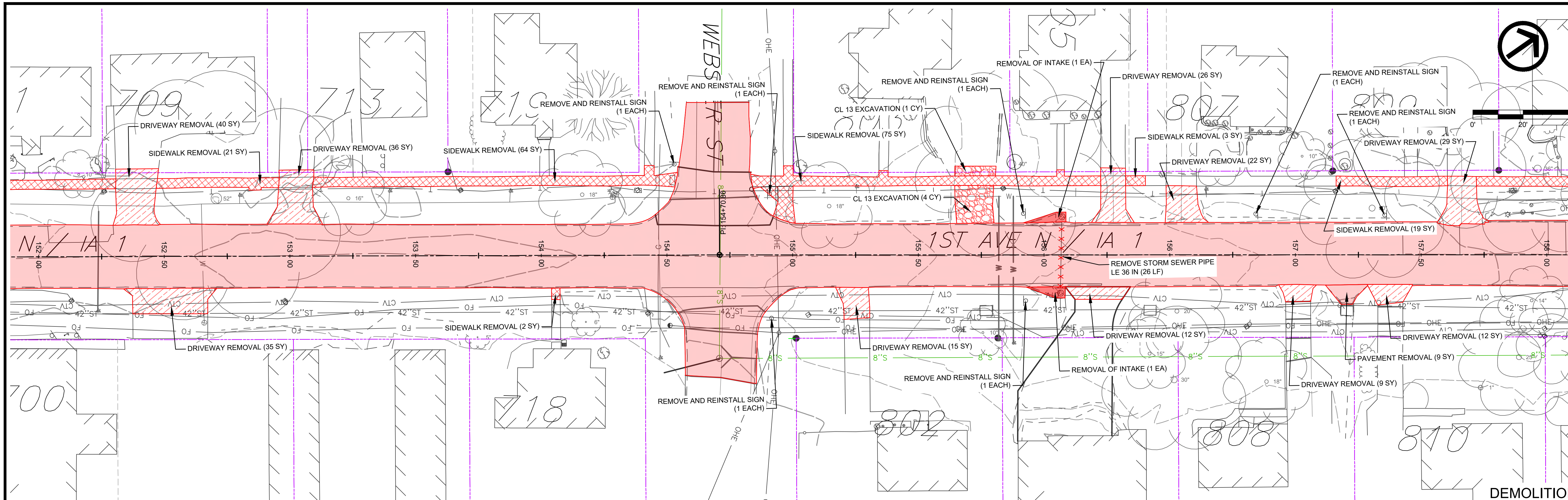
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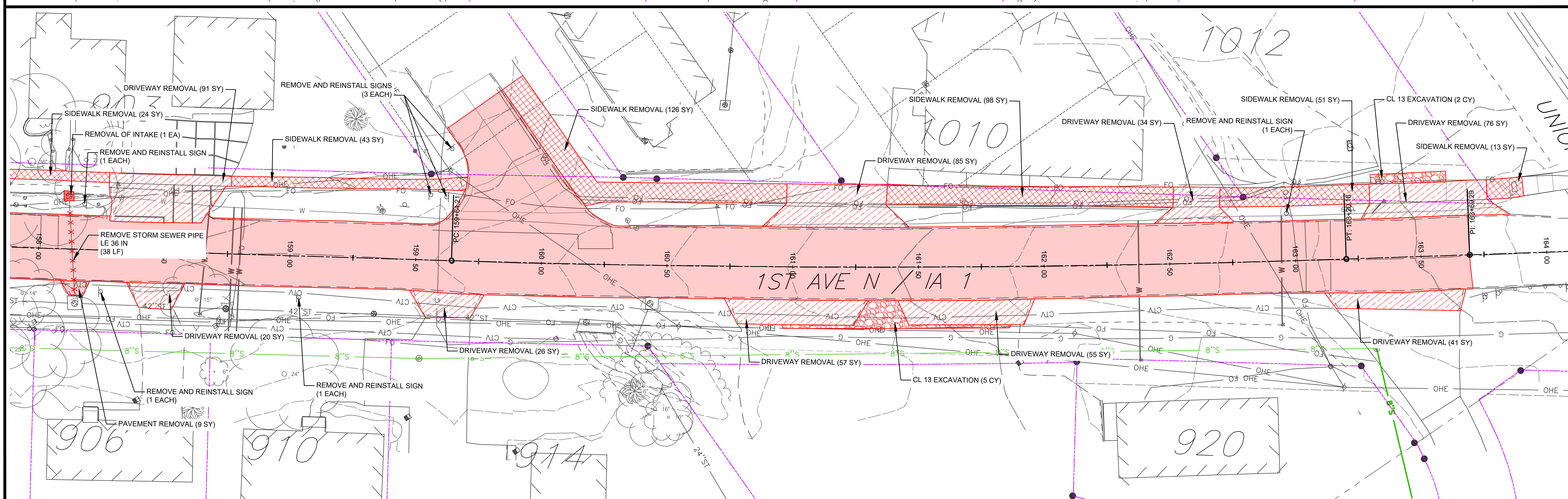
CL 13 EXCAVATION (1 CY)
DRIVEWAY REMOVAL (44 SY)
SIDEWALK REMOVAL (27 SY)
DRIVEWAY REMOVAL (31 SY)
SIDEWALK REMOVAL (26 SY)
CL 13 EXCAVATION (1 CY)
CL 13 EXCAVATION (3 CY)
COORDINATE WITH PROPERTY OWNER FOR REMOVAL OF LANDSCAPE BLOCKS
CL 13 EXCAVATION (1 CY)
CL 13 EXCAVATION (3 CY)
SIDEWALK REMOVAL (105 SY)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVAL OF UTILITY ACCESS (1 EA)
REMOVE AND REPLACE LANDSCAPE WALL
SIDEWALK REMOVAL (138 SY)
1ST AVE N / IA 1
N 5TH STREET
CL 13 EXCAVATION (22 CY)
CLEARING & GRUBBING 8" (3.9 UNITS)
DRIVEWAY REMOVAL (44 SY)
DRIVEWAY REMOVAL (40 SY)
CL 13 EXCAVATION (14 CY)
CL 13 EXCAVATION (7 CY)
REMOVE AND REINSTALL SIGN (1 EACH)
SIDEWALK REMOVAL (11 SY)
DRIVEWAY REMOVAL (31 SY)
DEMOLITION

CL 13 EXCAVATION (2 CY)
CLEARING & GRUBBING 32" (50.0 UNITS)
CL 13 EXCAVATION (6 CY)
REMOVE AND REINSTALL SIGN (1 EACH)
N 6TH STREET
SIDEWALK REMOVAL (138 SY)
REMOVE AND REINSTALL SIGN (1 EACH)
CL 13 EXCAVATION (1 CY)
SIDEWALK REMOVAL (66 SY)
REMOVE AND REINSTALL SIGN (1 EACH)
SIDEWALK REMOVAL (37 SY)
DRIVEWAY REMOVAL (24 SY)
1ST AVE N / IA 1
SIDEWALK REMOVAL (59 SY)
DRIVEWAY REMOVAL (69 SY)
DRIVEWAY REMOVAL (54 SY)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVE AND REINSTALL SIGN (1 EACH)
W 6TH ST
REMOVE AND REINSTALL SIGN (1 EACH)
REMOVE AND REINSTALL SIGN (1 EACH)
DRIVEWAY REMOVAL (24 SY)
N 7TH ST

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	CD.04

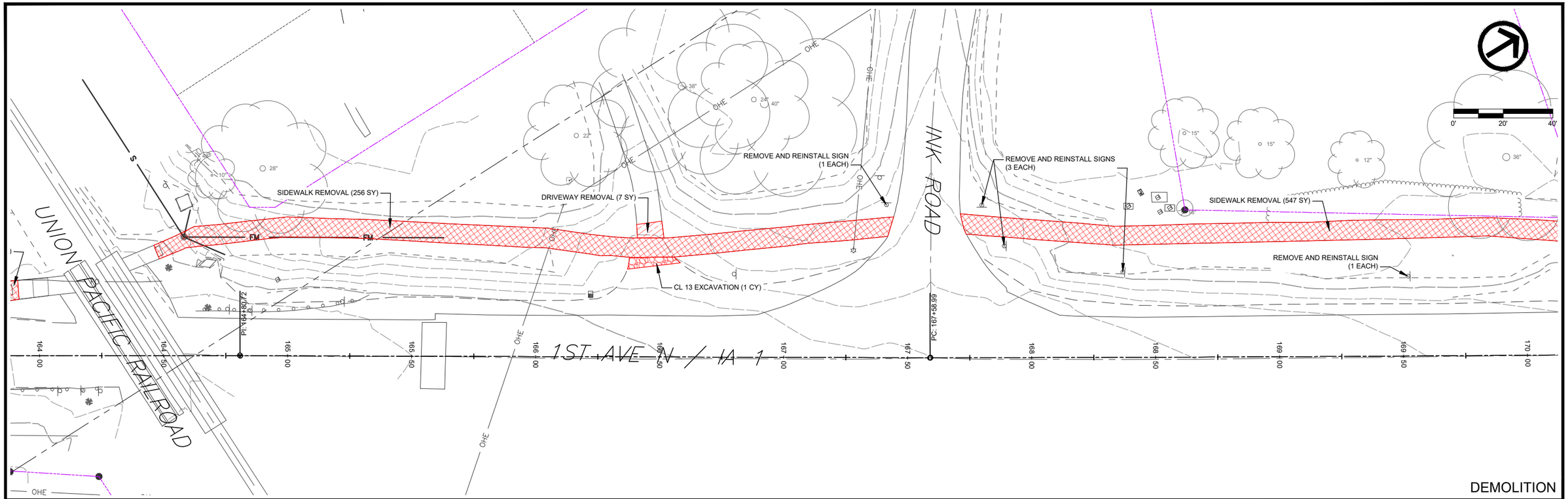
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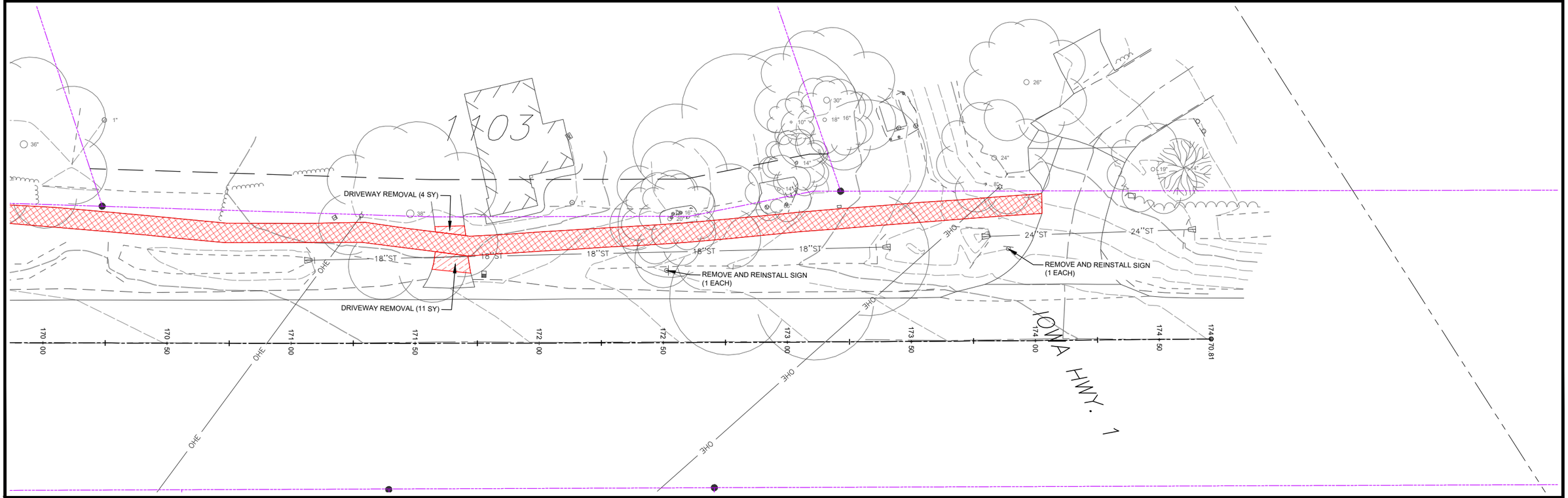


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DEMOLITION

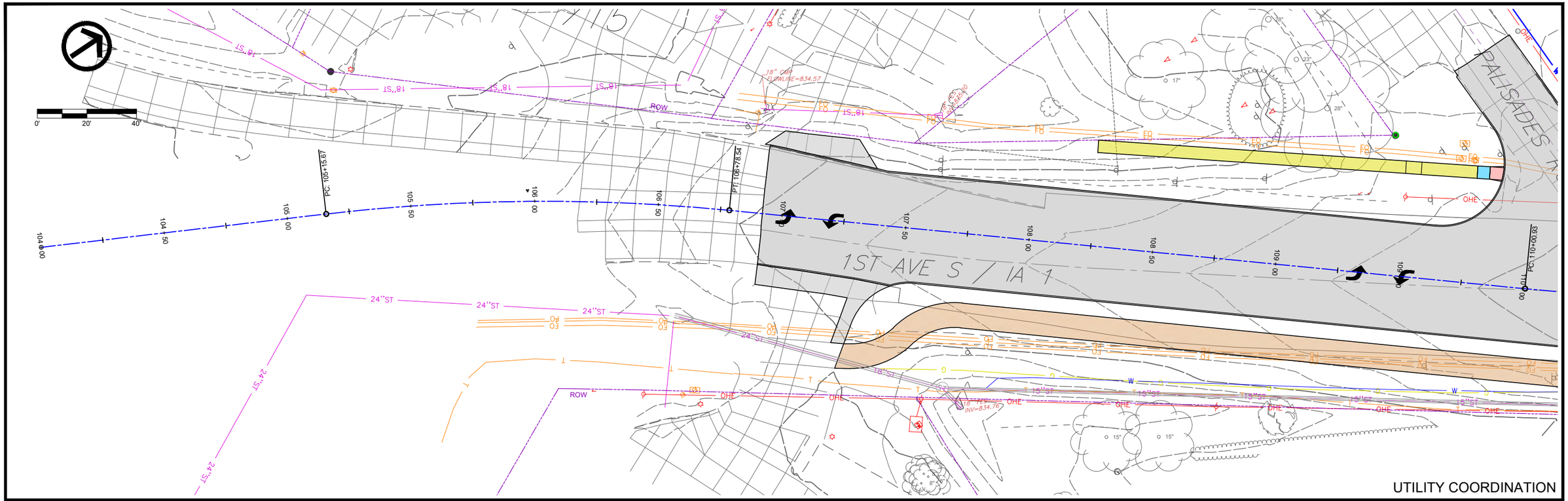


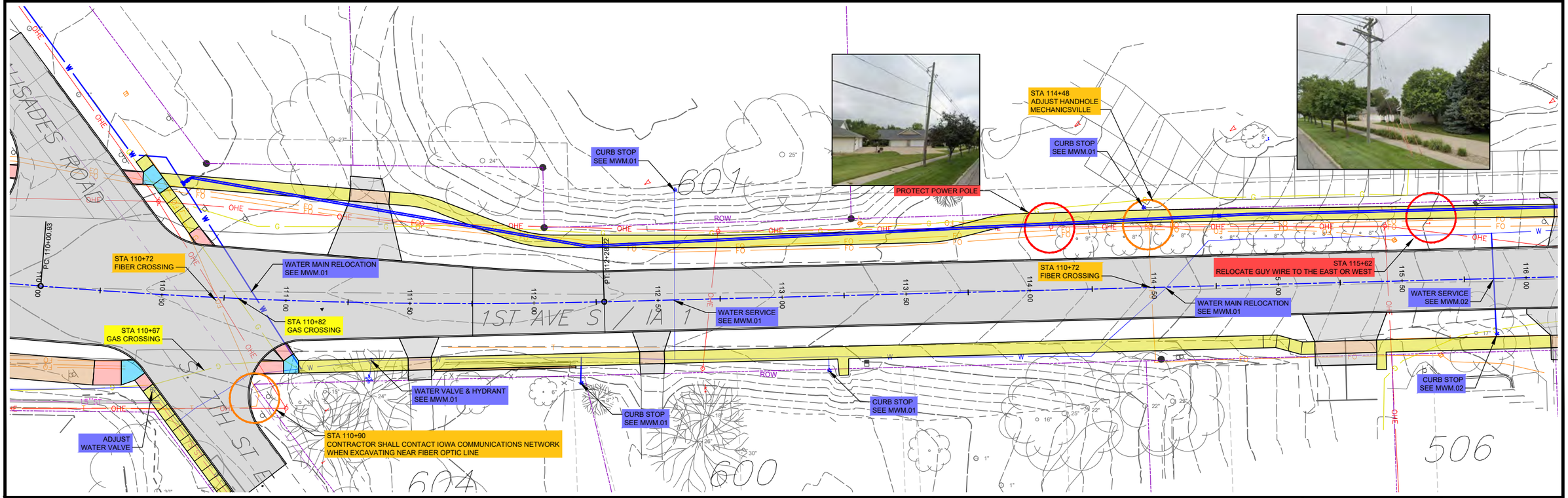
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UTILITY COORDINATION

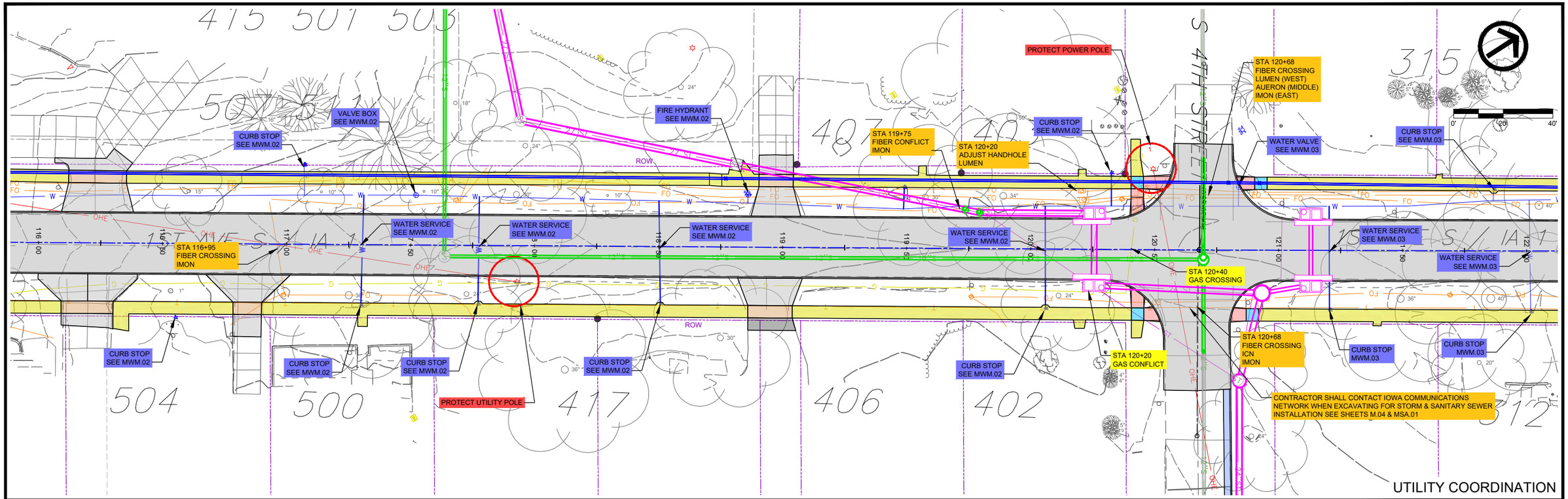


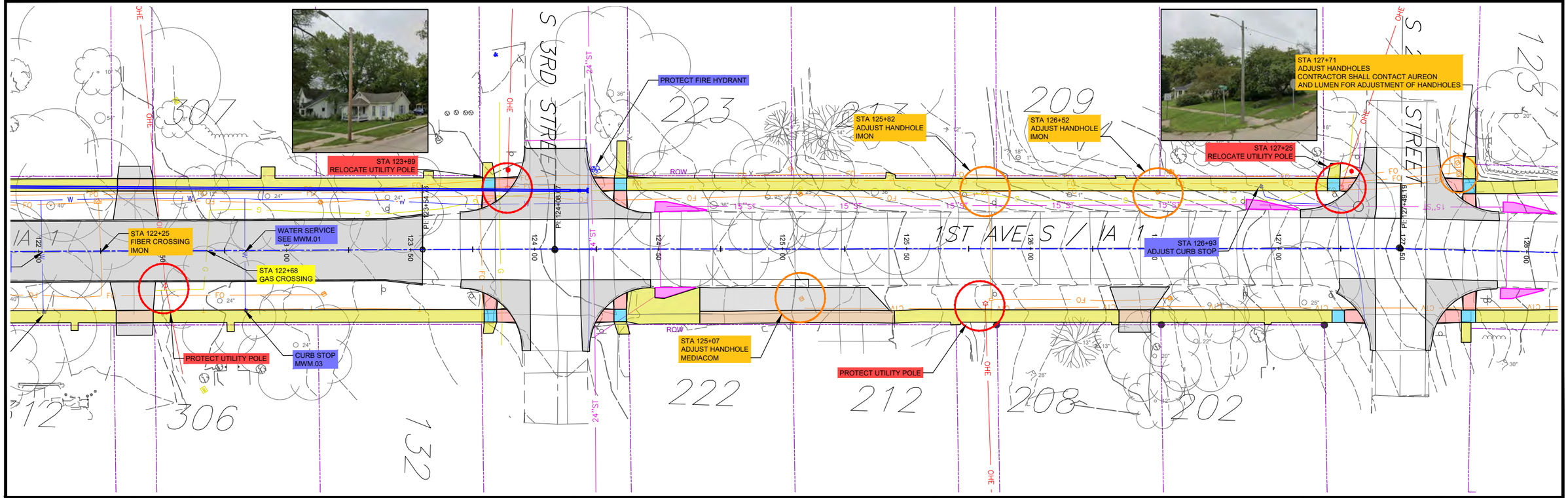


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	CU.01	

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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	CU.02

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PROTECT POWER POLE

PROTECT POWER POLE

STA 133+34
ADJUST HANDHOLE
LUMEN

UTILITY COORDINATION

STA 134+55
RELOCATE GUY WIRE

STA 134+57
ADJUST HANDHOLE
MECHANICSVILLE

STA 135+27
ADJUST HANDHOLE
LUMEN

STA 136+70
ADJUST HANDHOLE TO EAST
MECHANICSVILLE

ADJUST WATER VALVES
SEE MWM.06

STA 137+75
FIBER CROSSING
MECHANICSVILLE

STA 137+93
RELOCATE LIGHT POLE

STA 138+02
ADJUST HANDHOLE
MECHANICSVILLE

STA 139+29
ADJUST HANDHOLE
MECHANICSVILLE

STA. 139+28.27

CURB STOP
SEE MWM.06

CURB STOP
SEE MWM.06

STA 137+50
FIBER CROSSING
LUMEN

STA 138+03
FIBER CROSSING
MECHANICSVILLE

STA 137+96
GAS CROSSING

STA 137+50
ADJUST HANDHOLE
ICN

STA 137+75
FIBER CROSSING
LUMEN

STA 137+95
ADJUST HANDHOLE
ICN

CURB STOP
SEE MWM.06

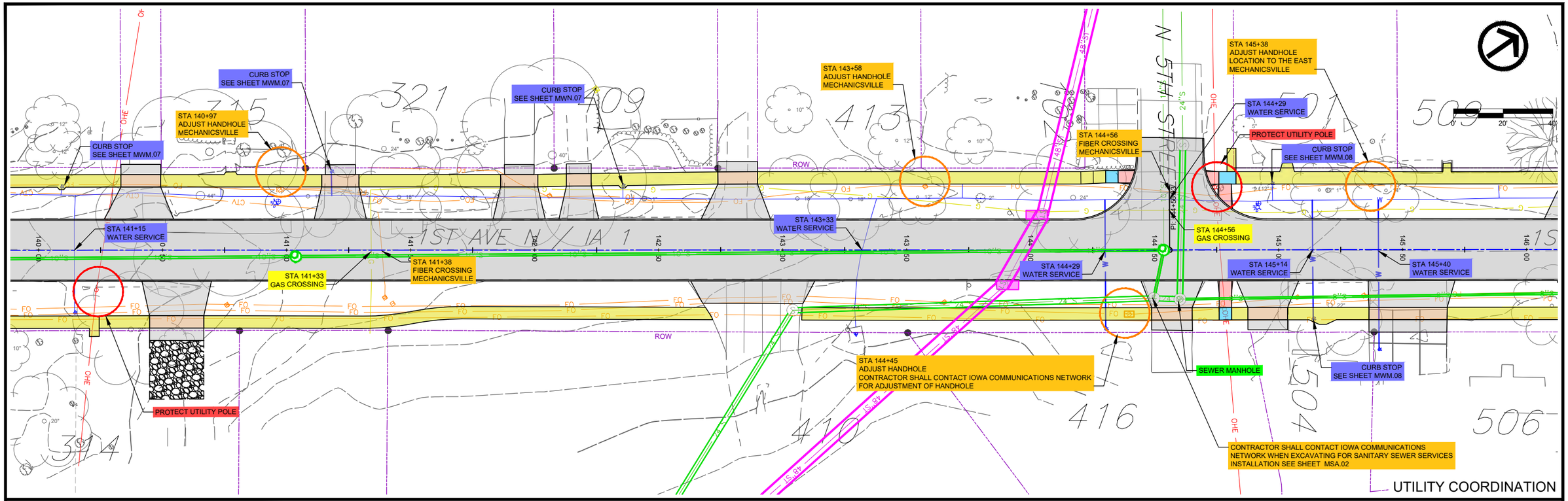
PROTECT UTILITY POLE

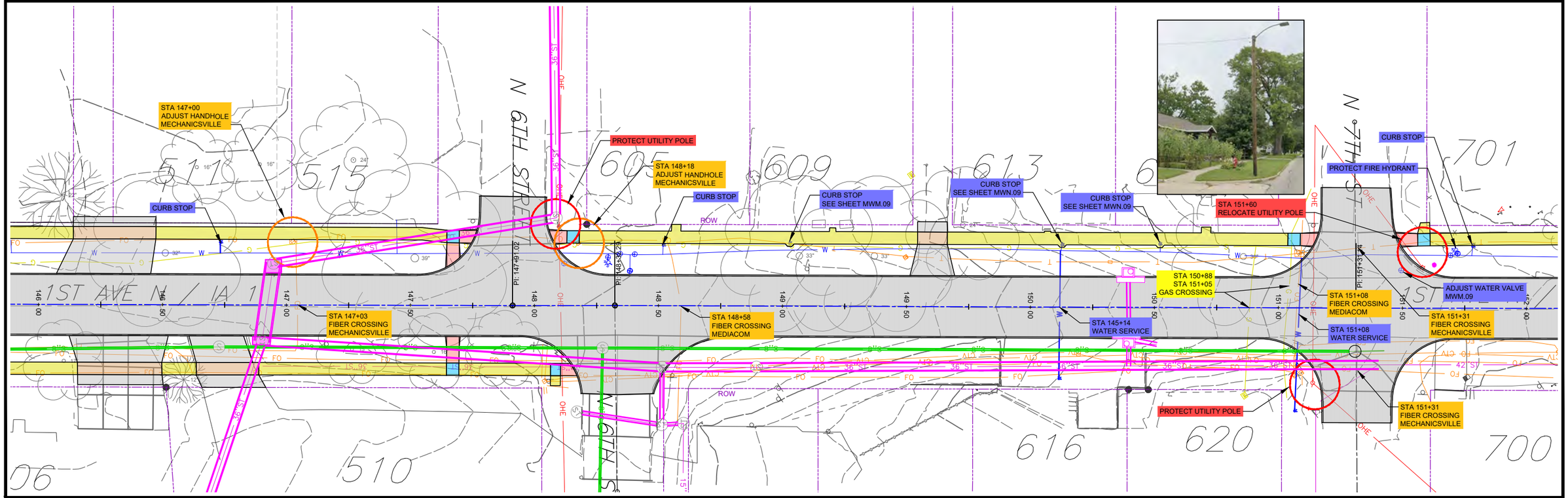
CONTRACTOR SHALL CONTACT IOWA COMMUNICATIONS
NETWORK WHEN EXCAVATING FOR SANITARY SEWER SERVICES
INSTALLATION SEE SHEET MSA.02

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	CU.03

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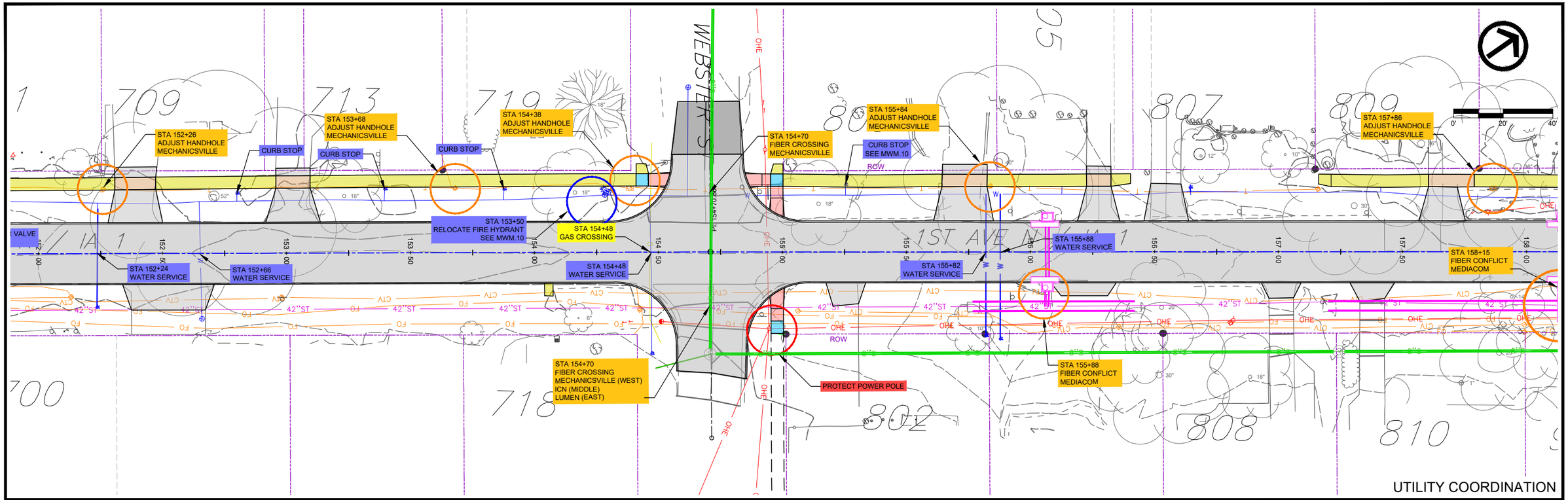


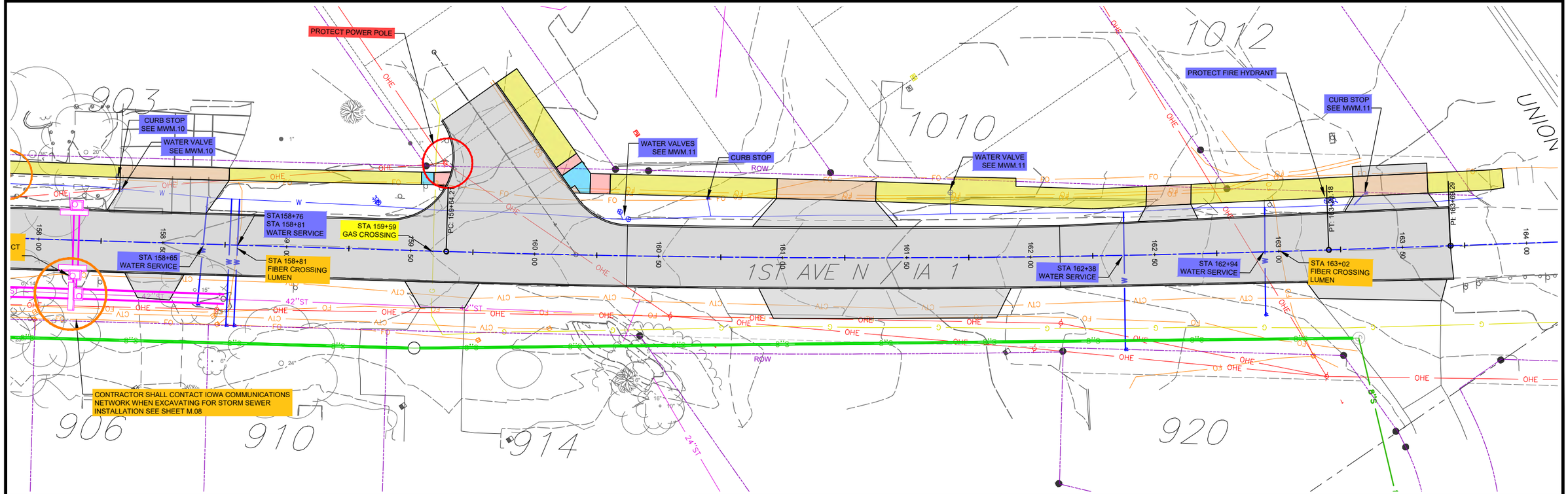


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	CU.04

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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	CU.05

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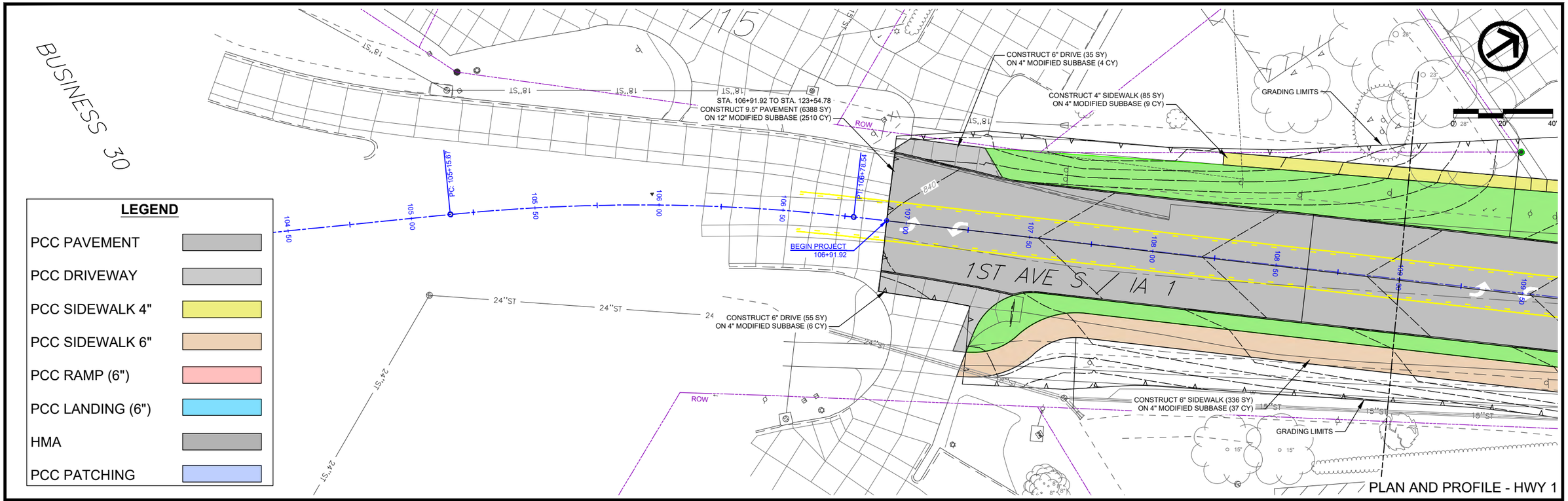
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UTILITY COORDINATION

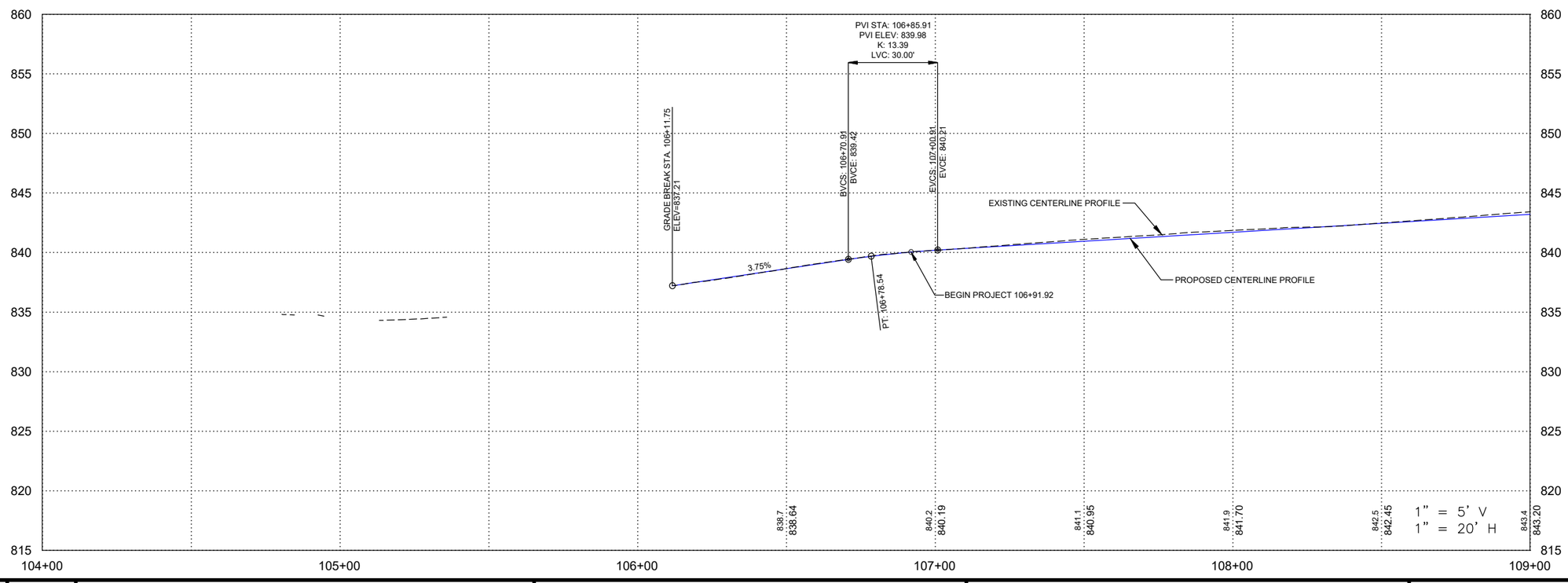
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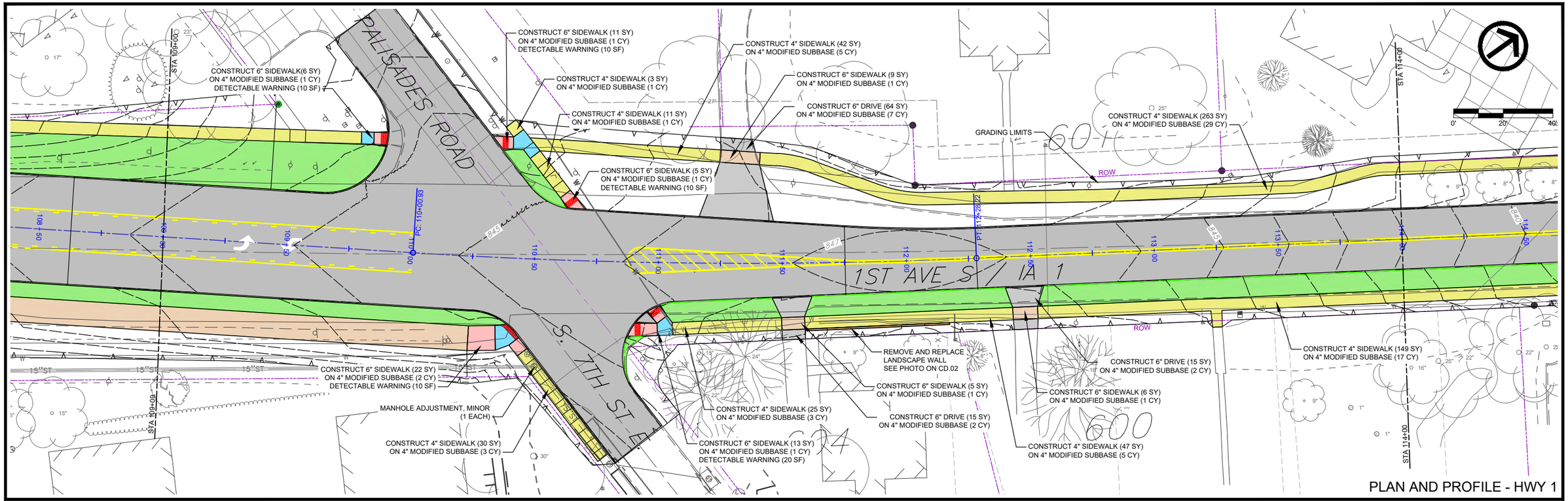
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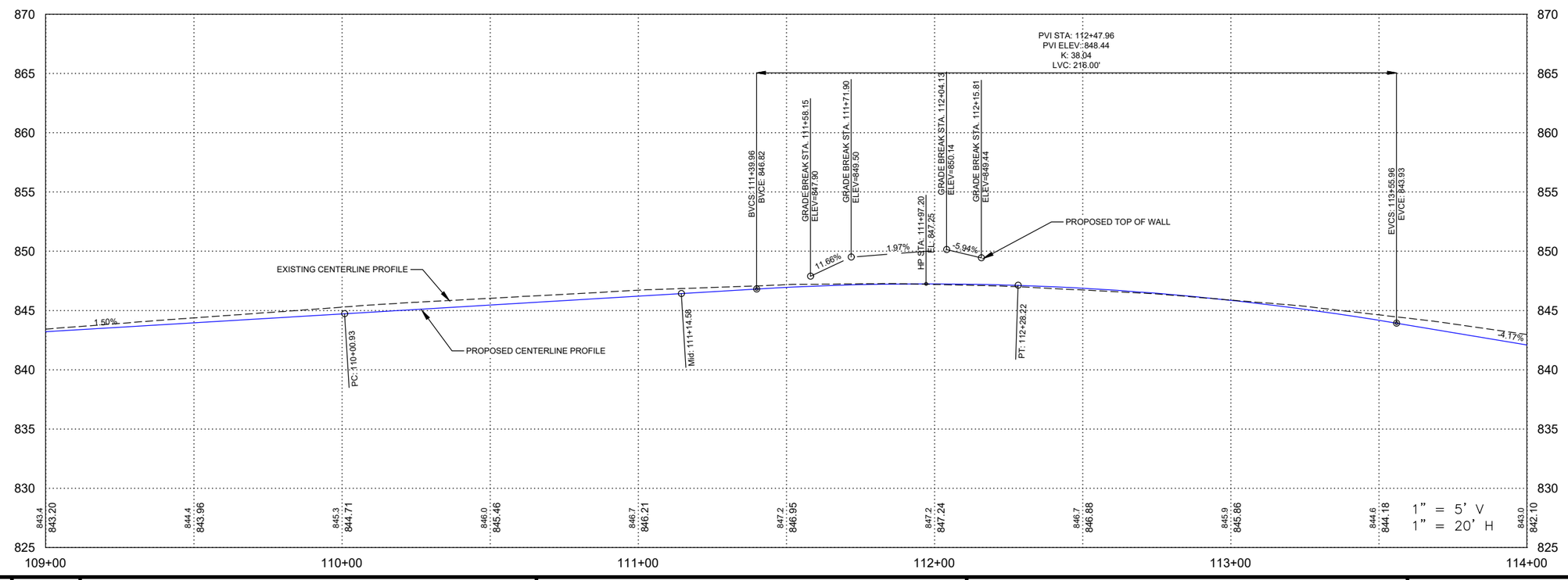
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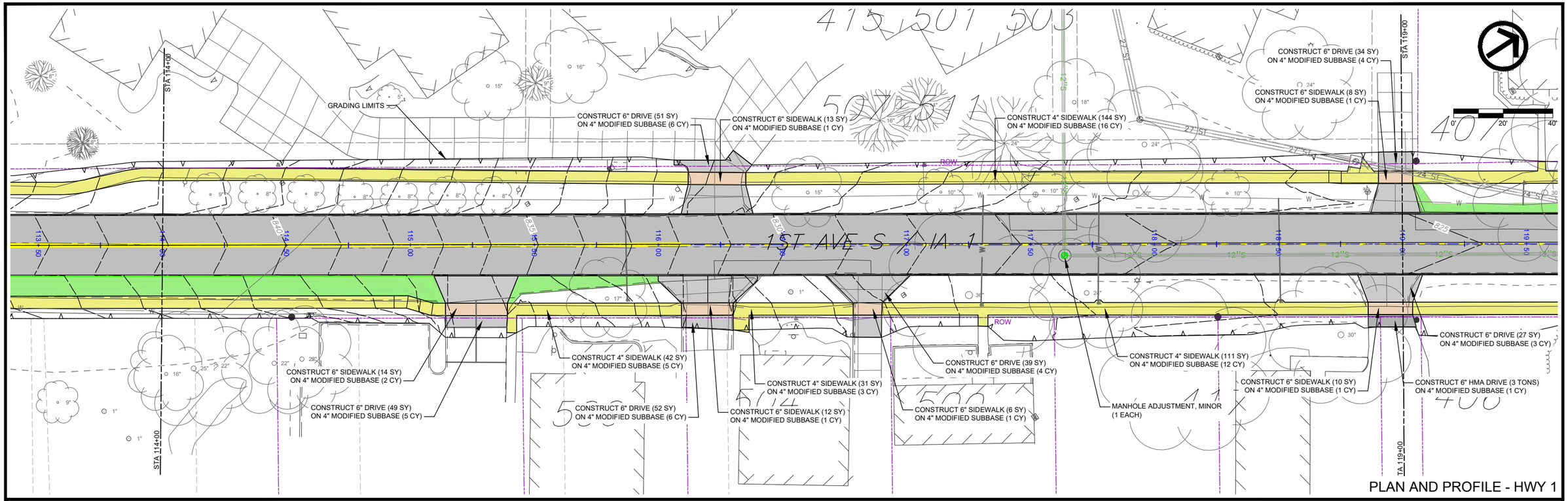
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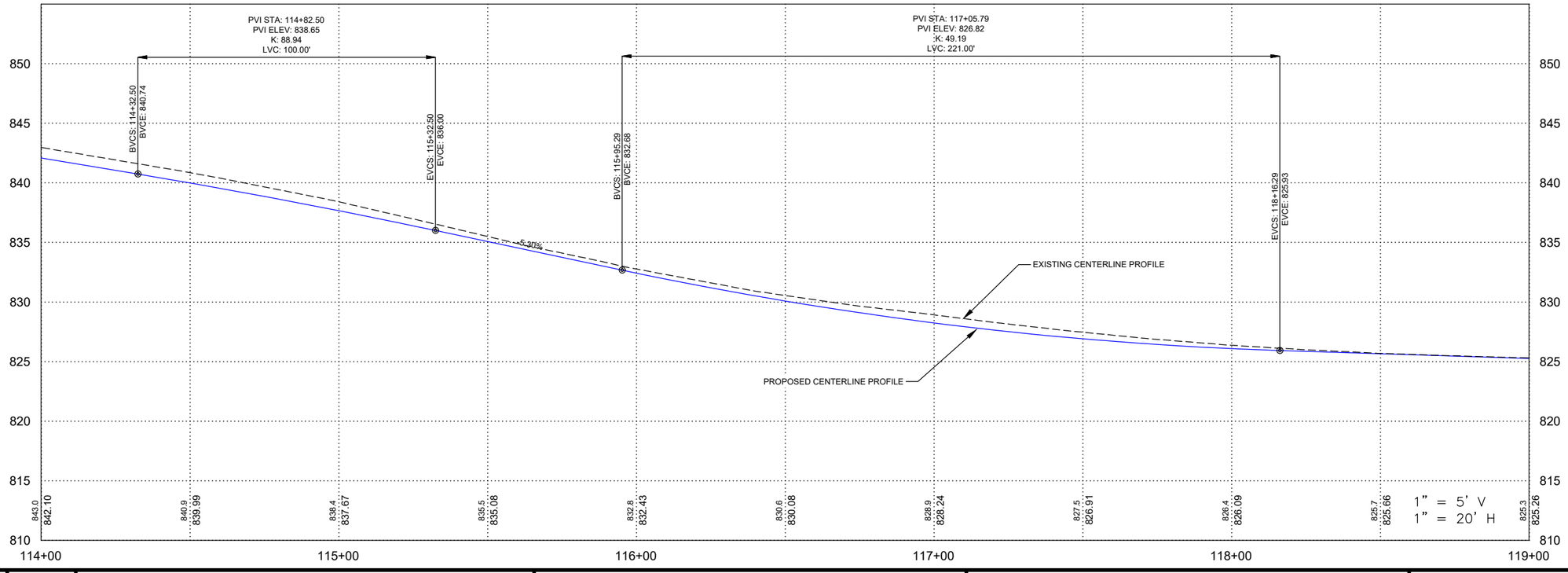
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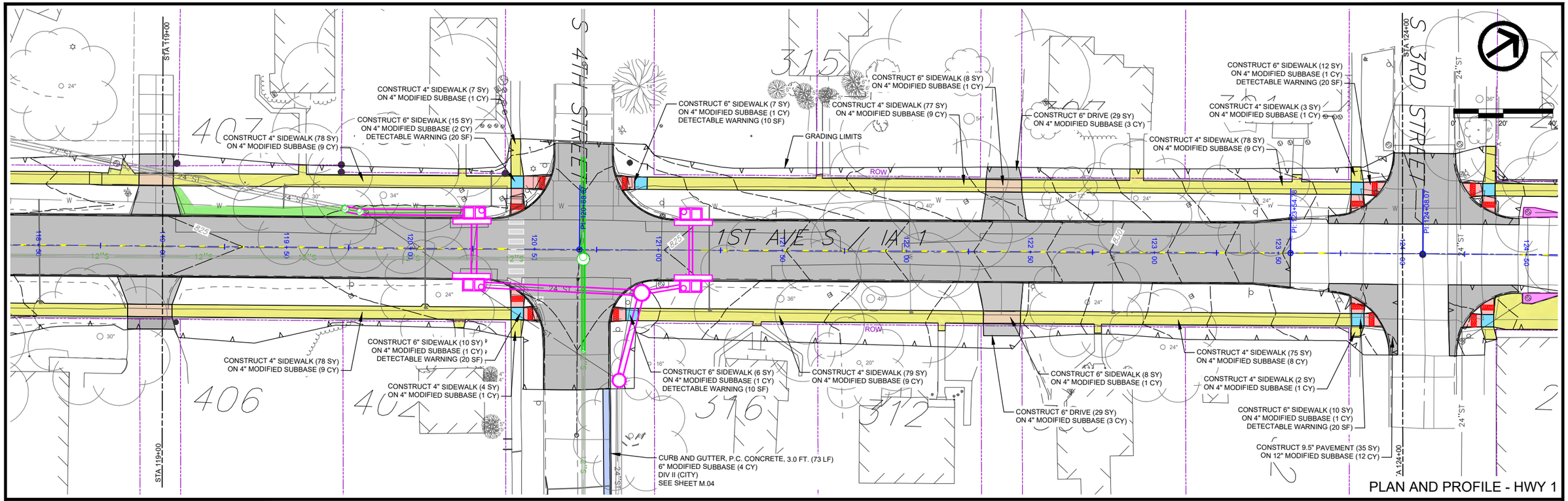


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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	D.03

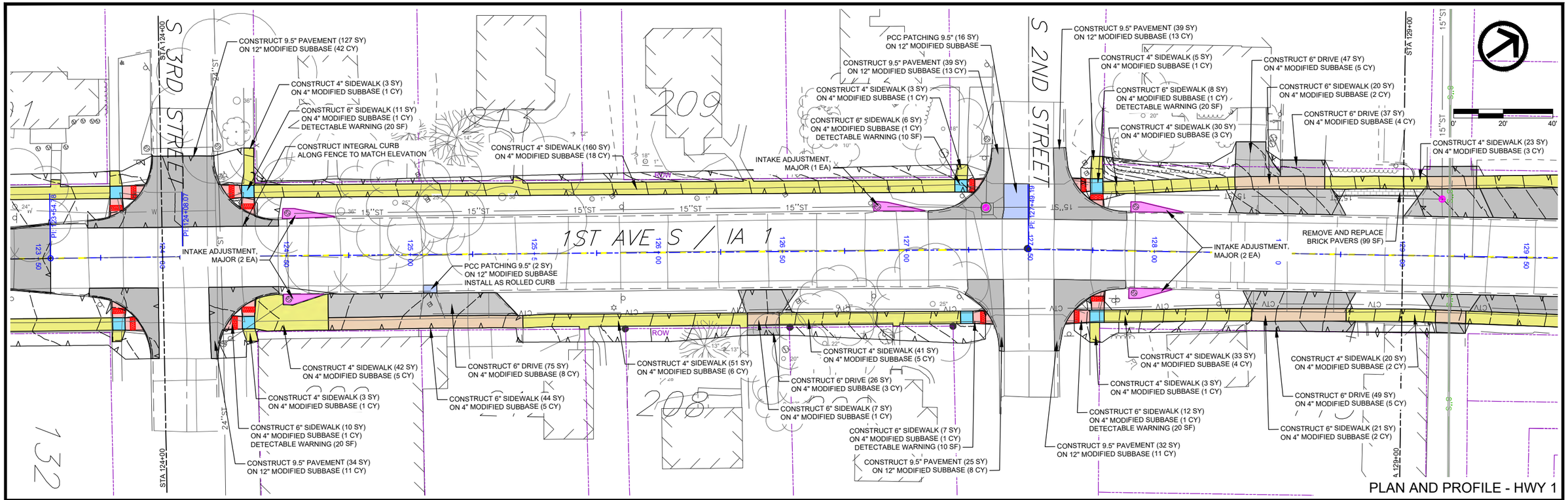
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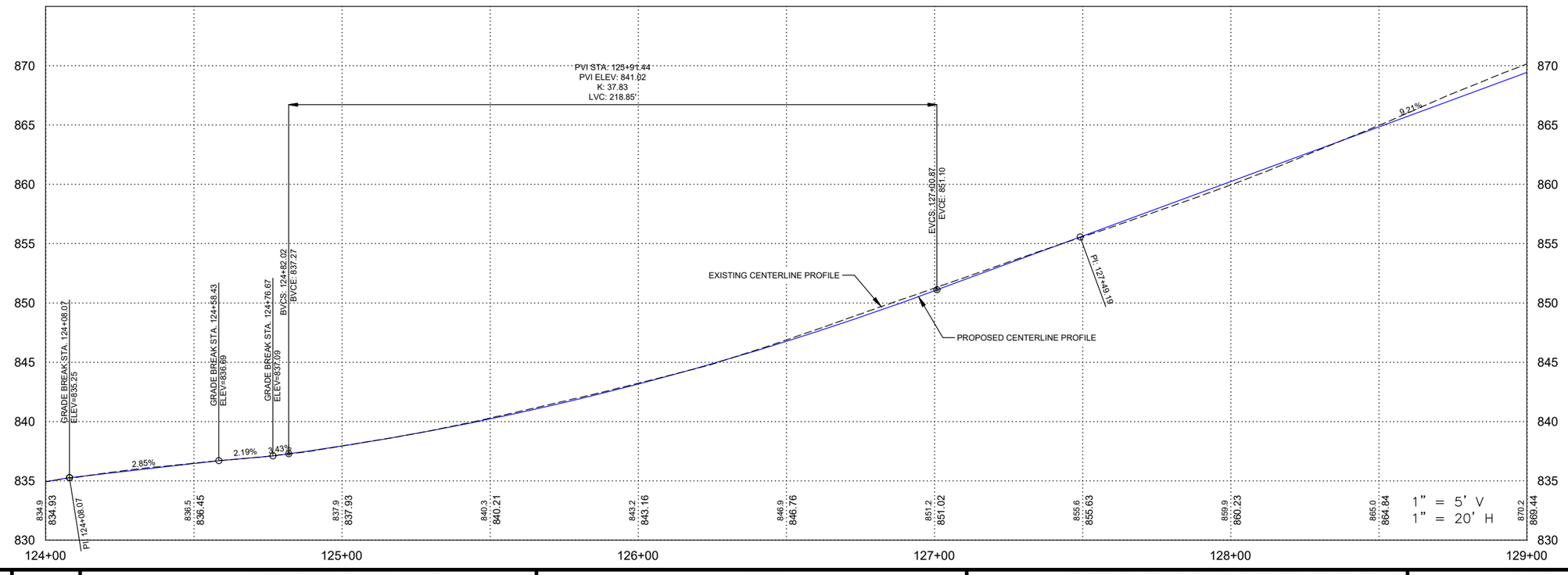
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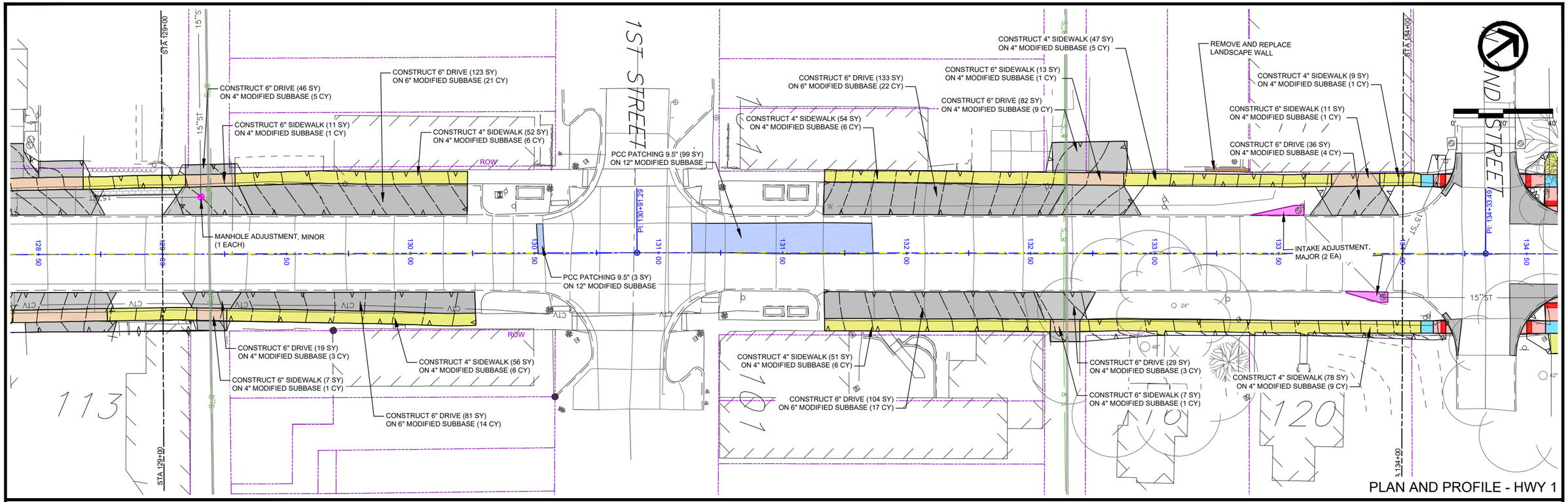
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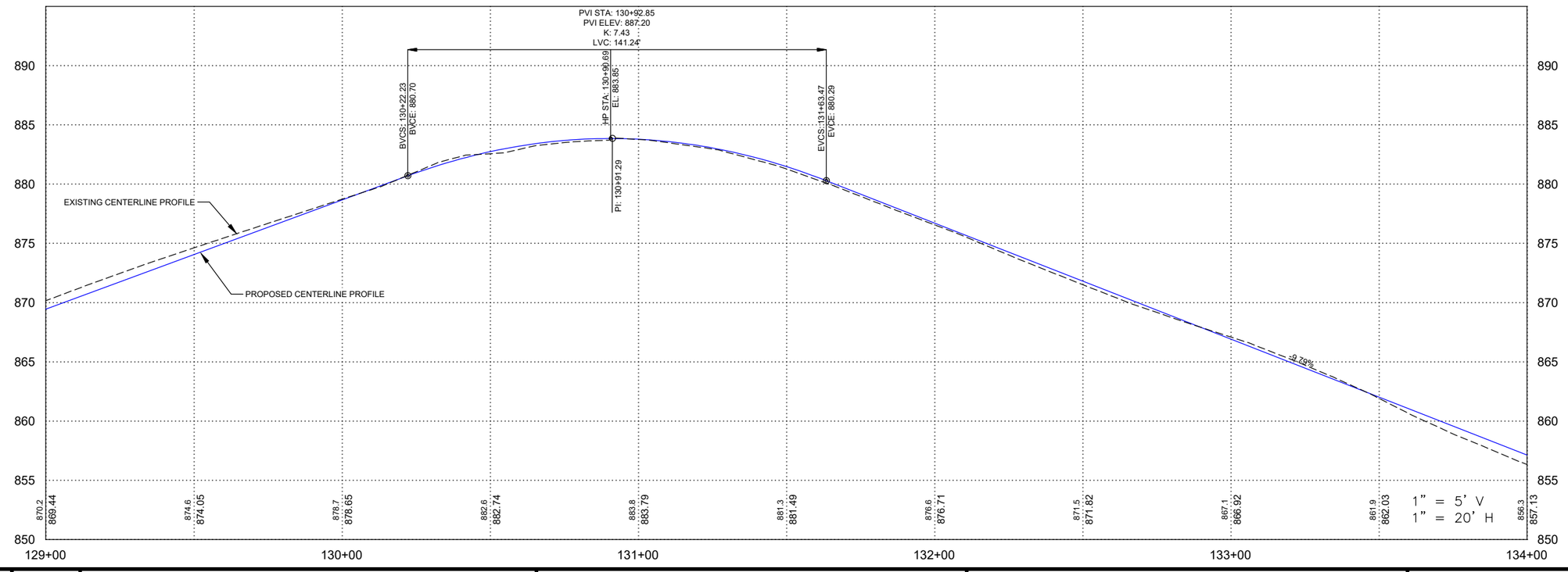
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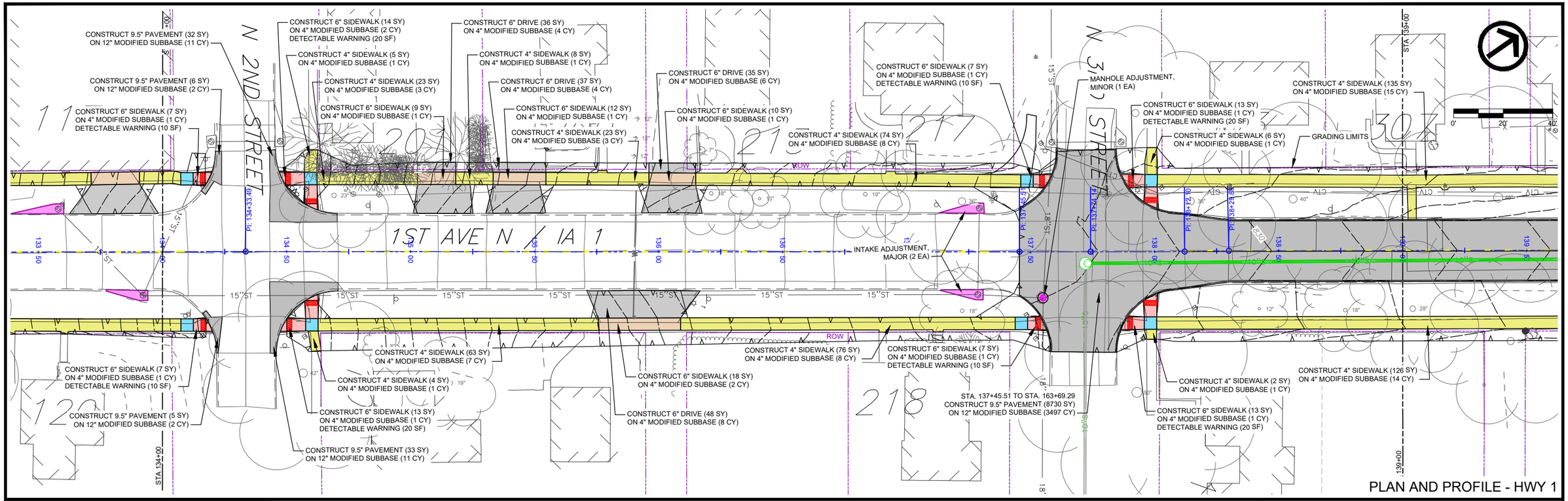
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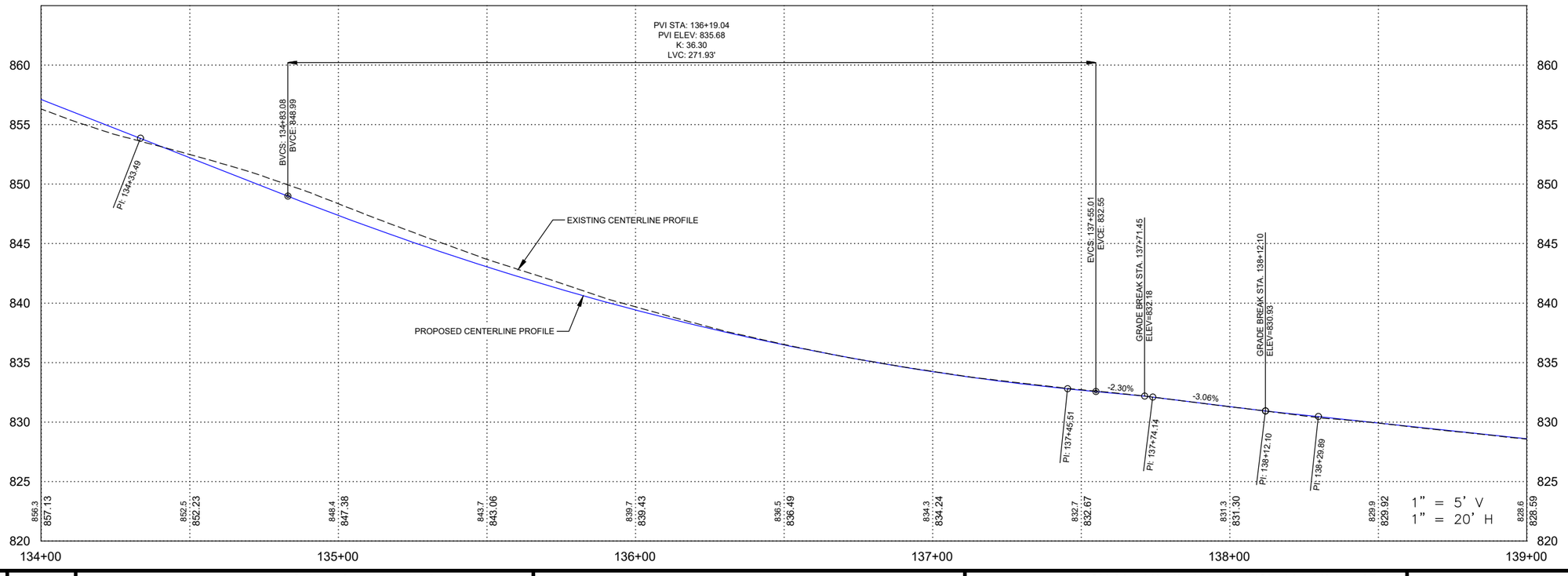


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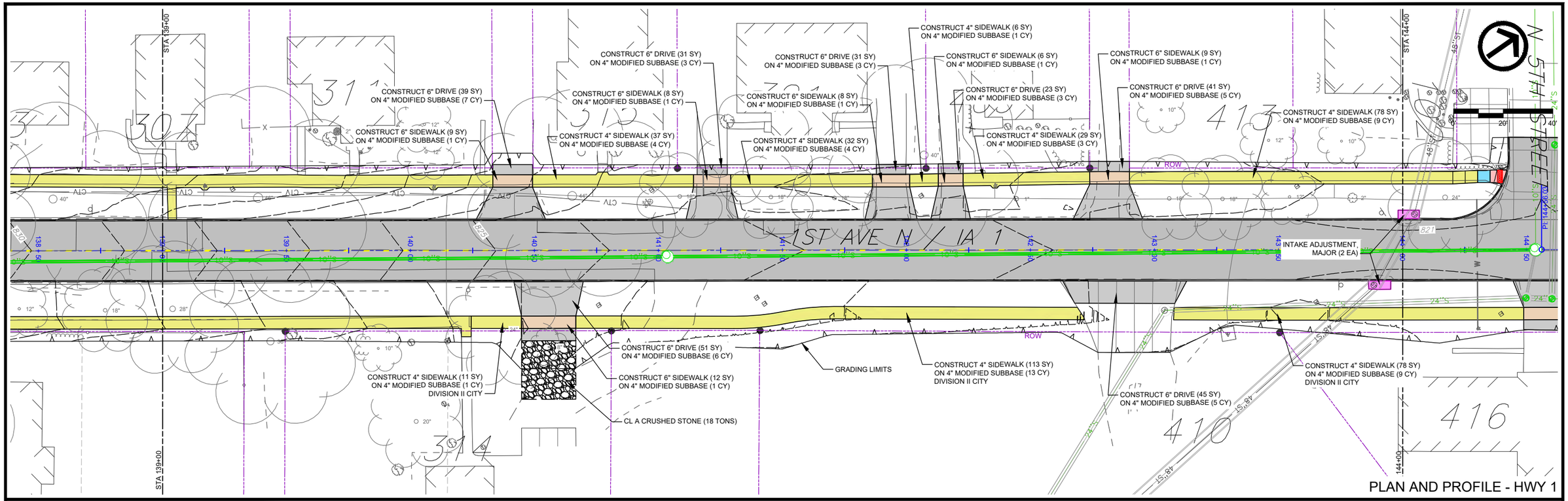




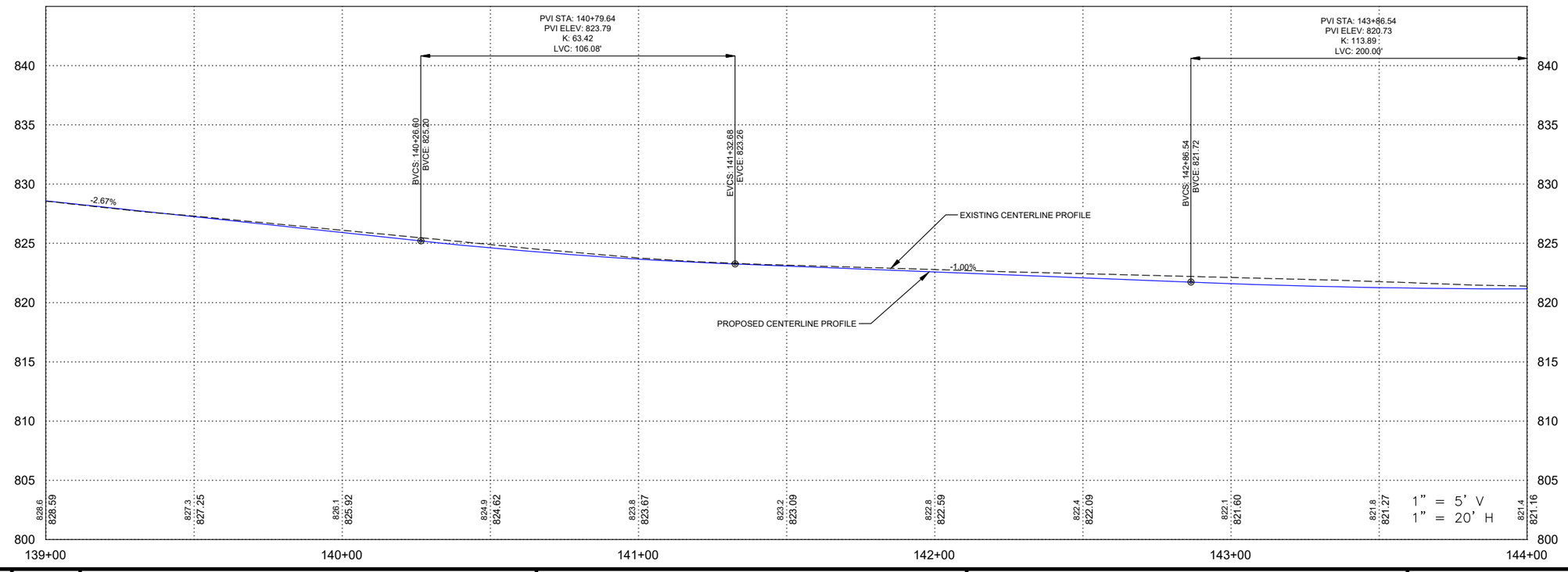
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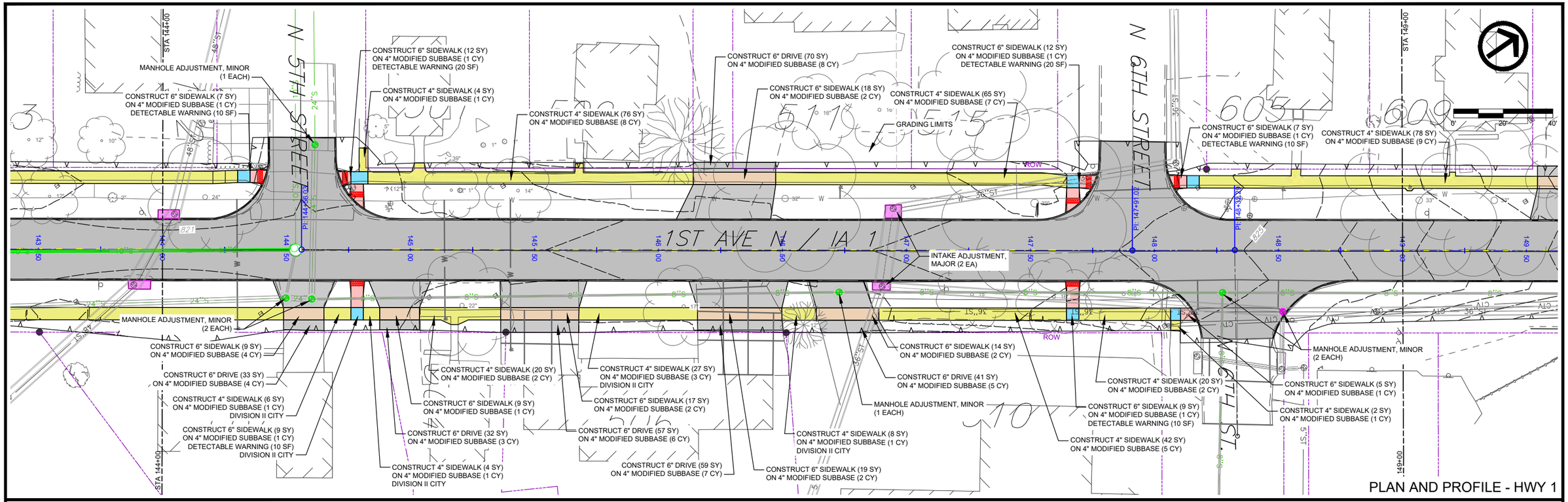
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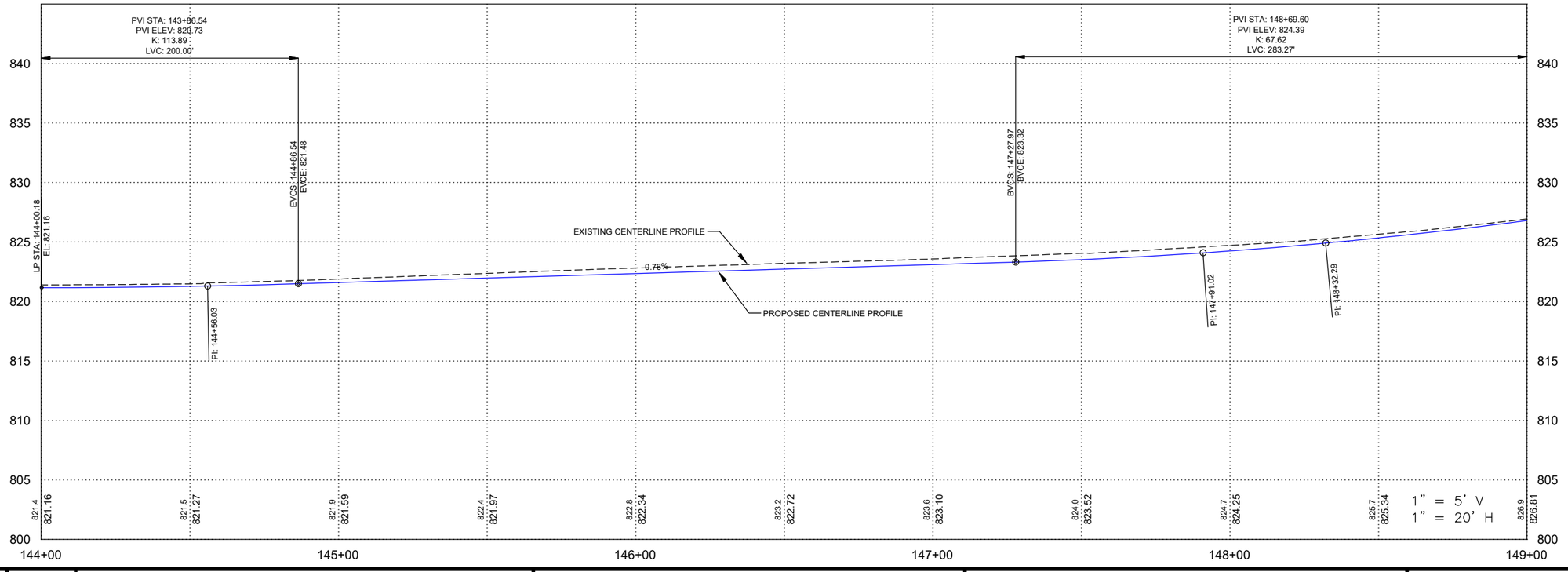
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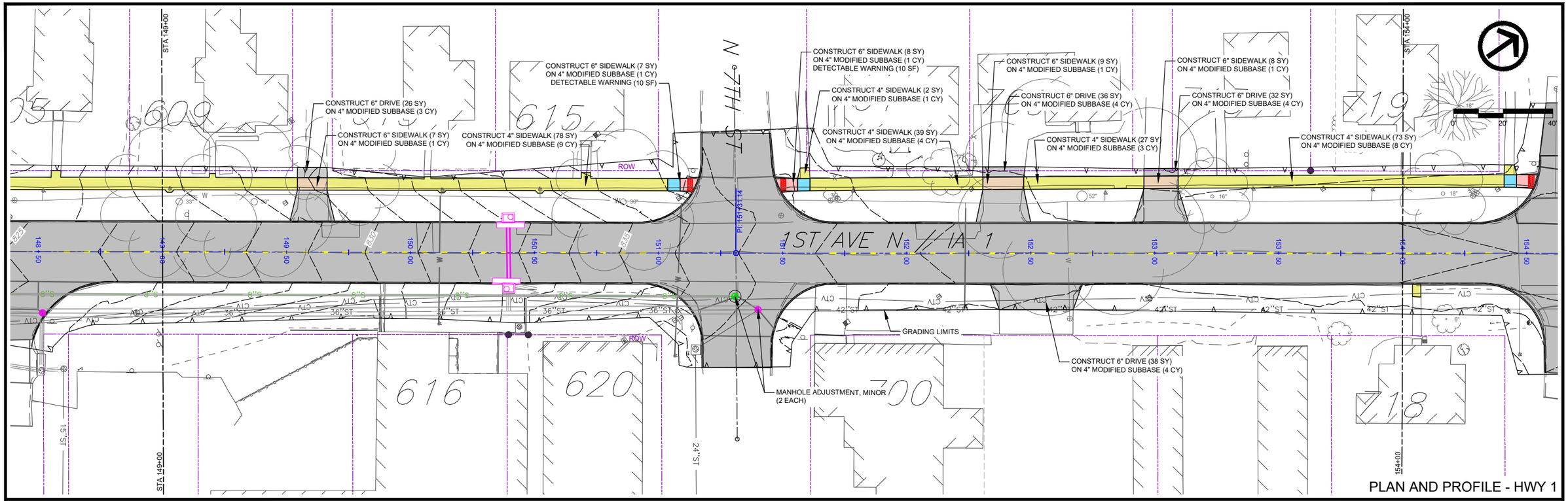
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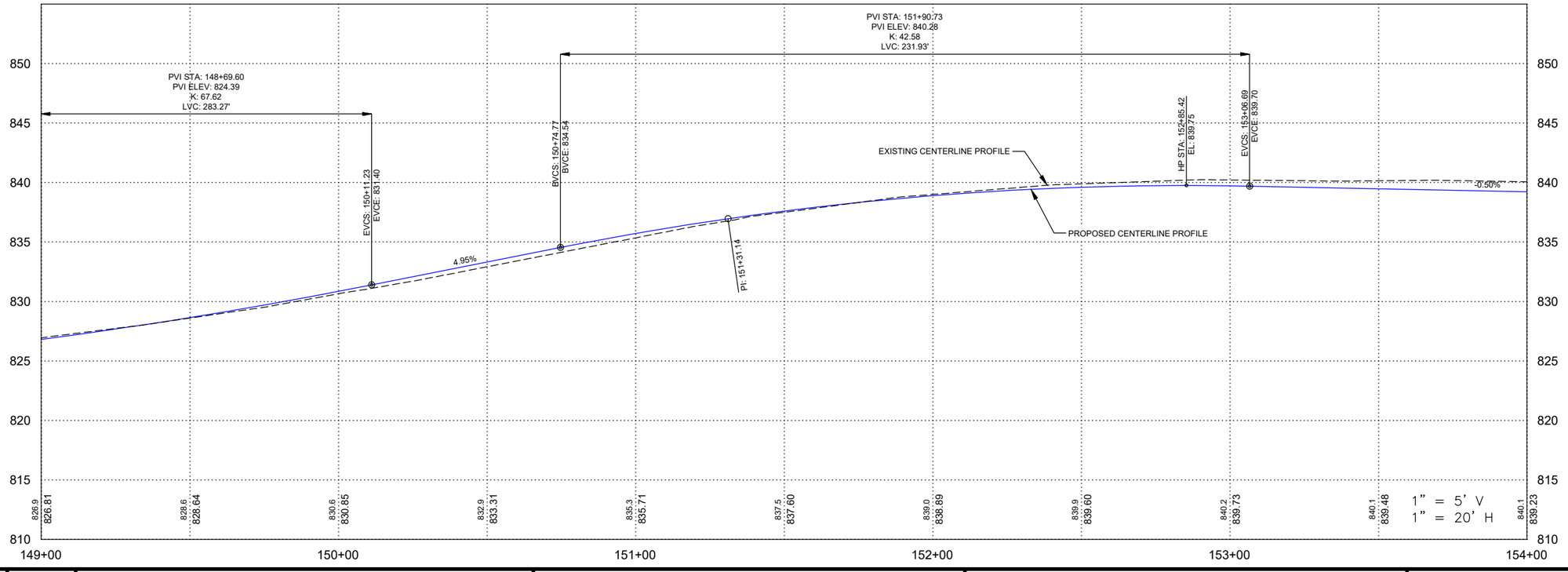
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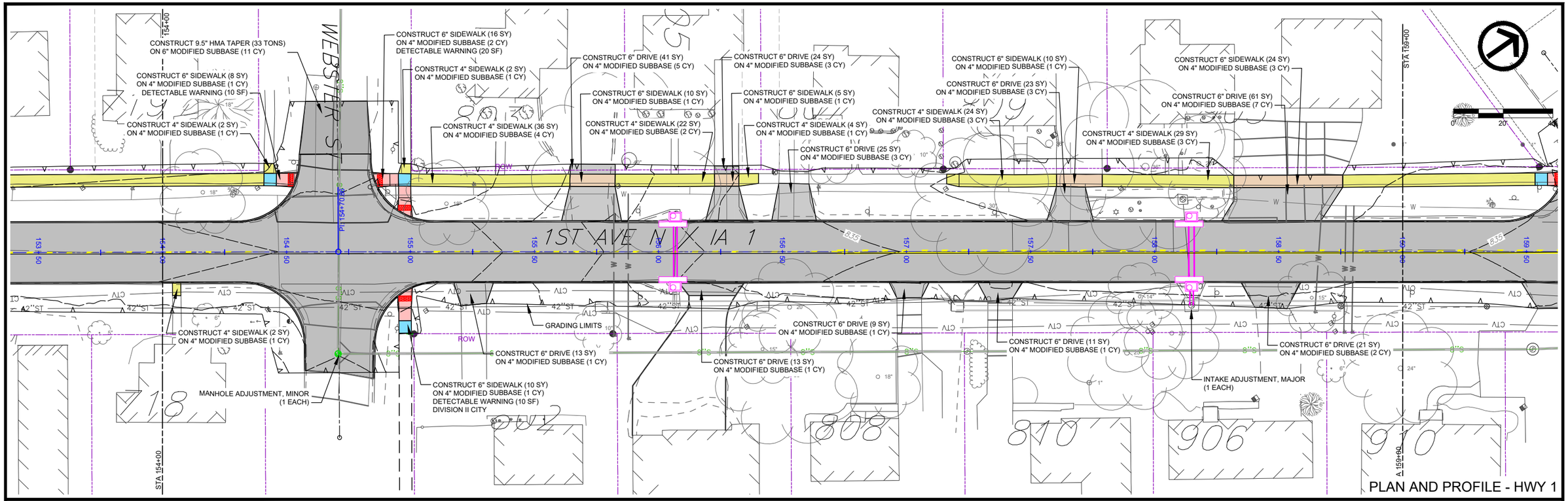
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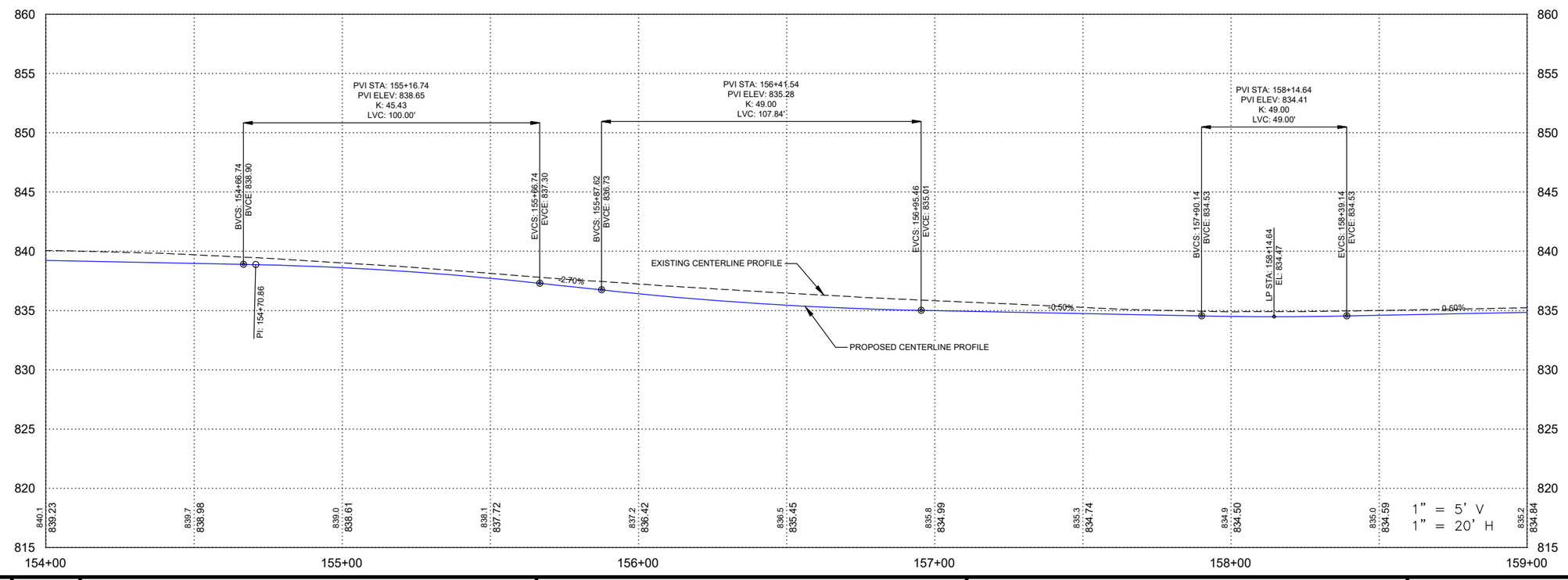


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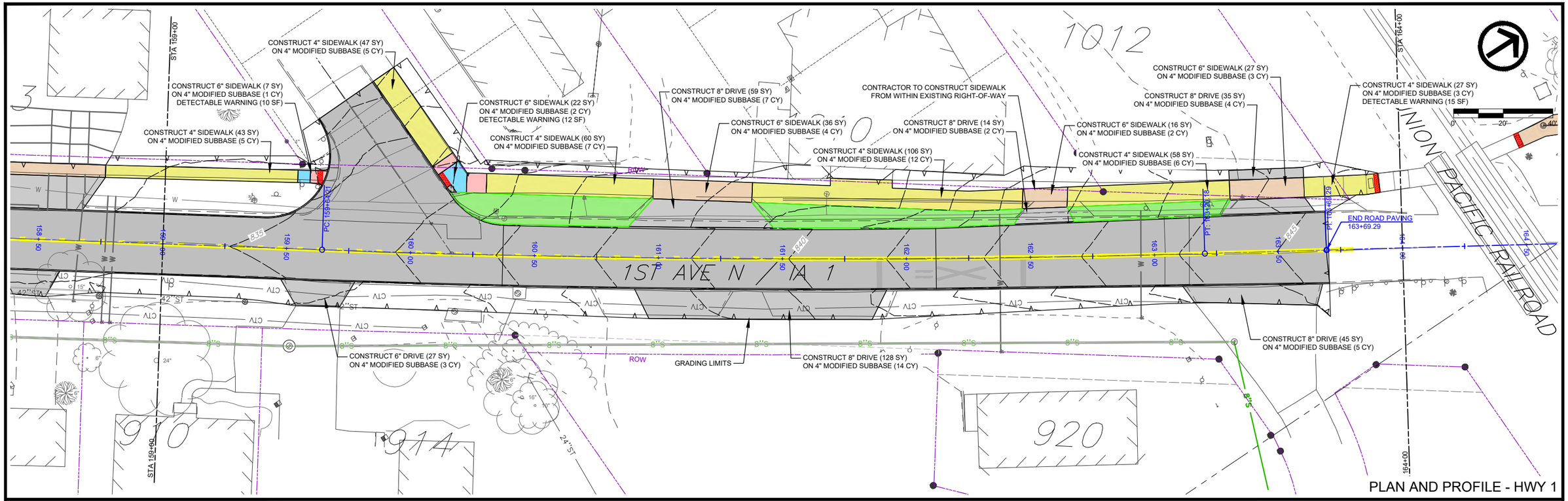


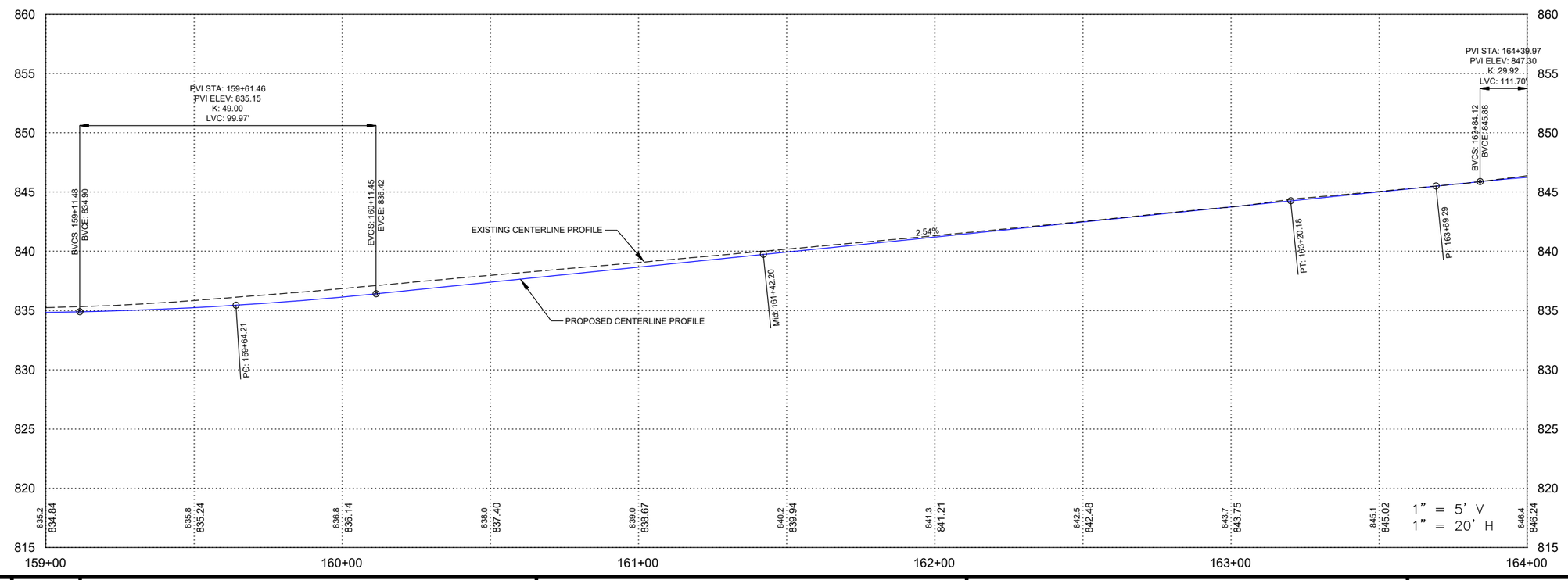


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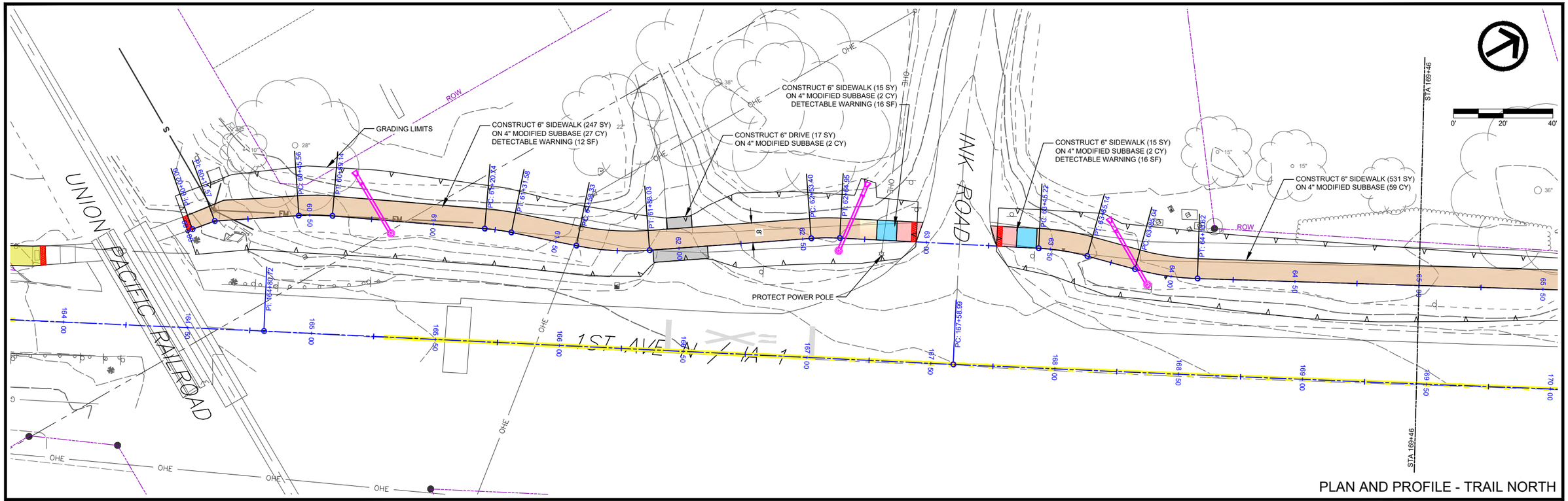




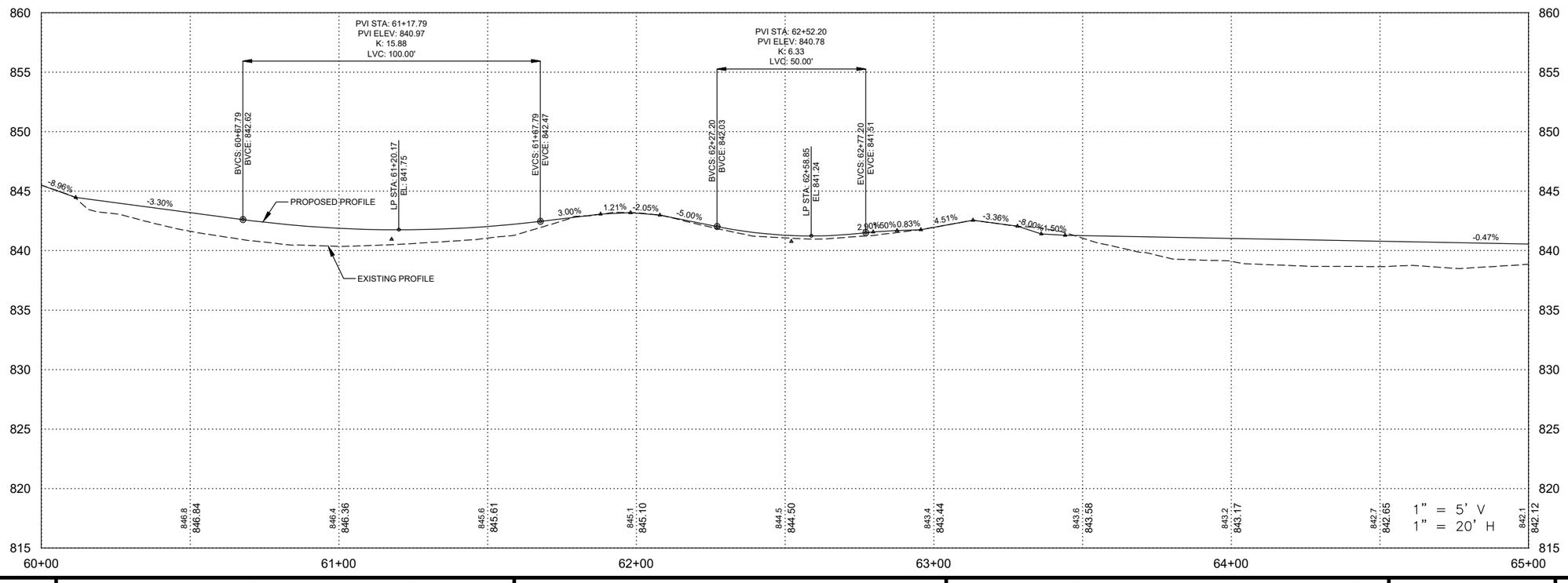
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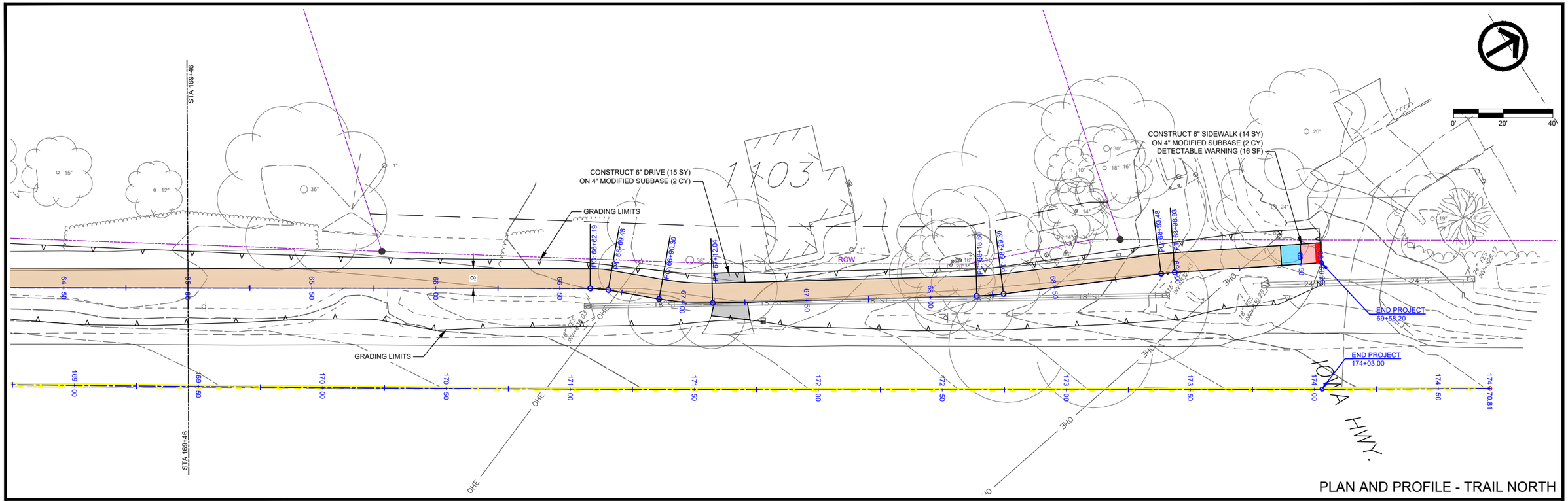
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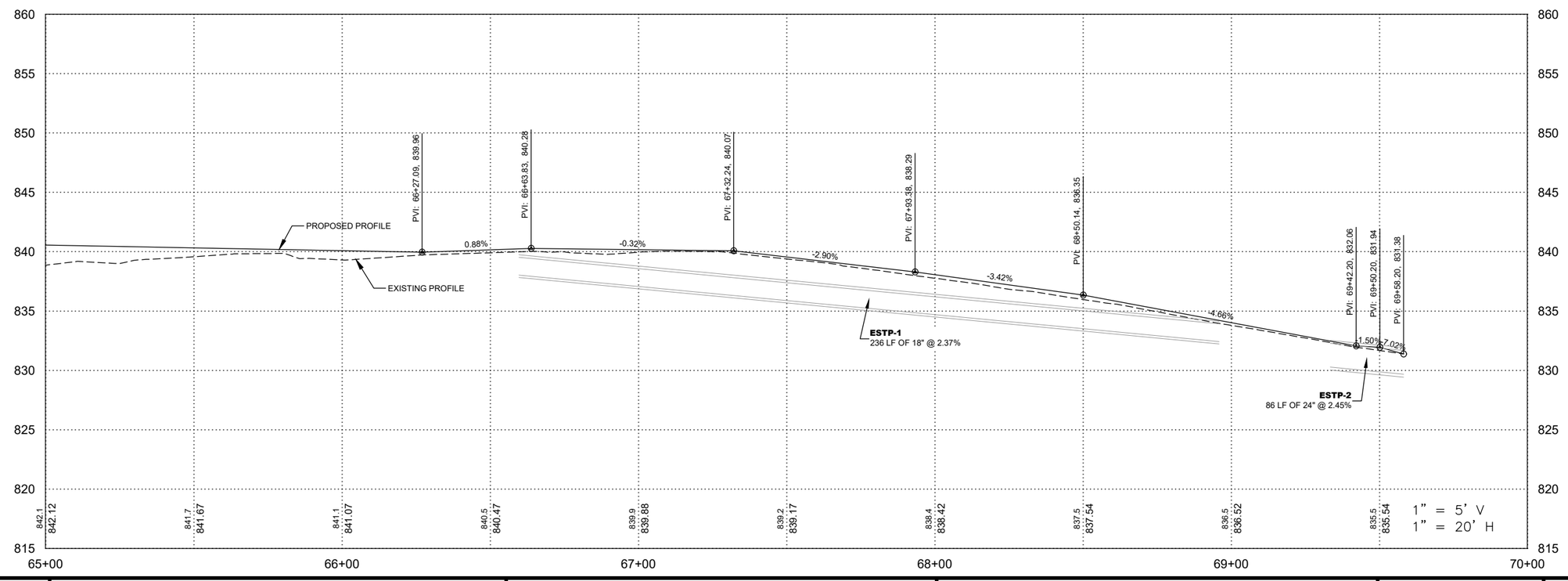


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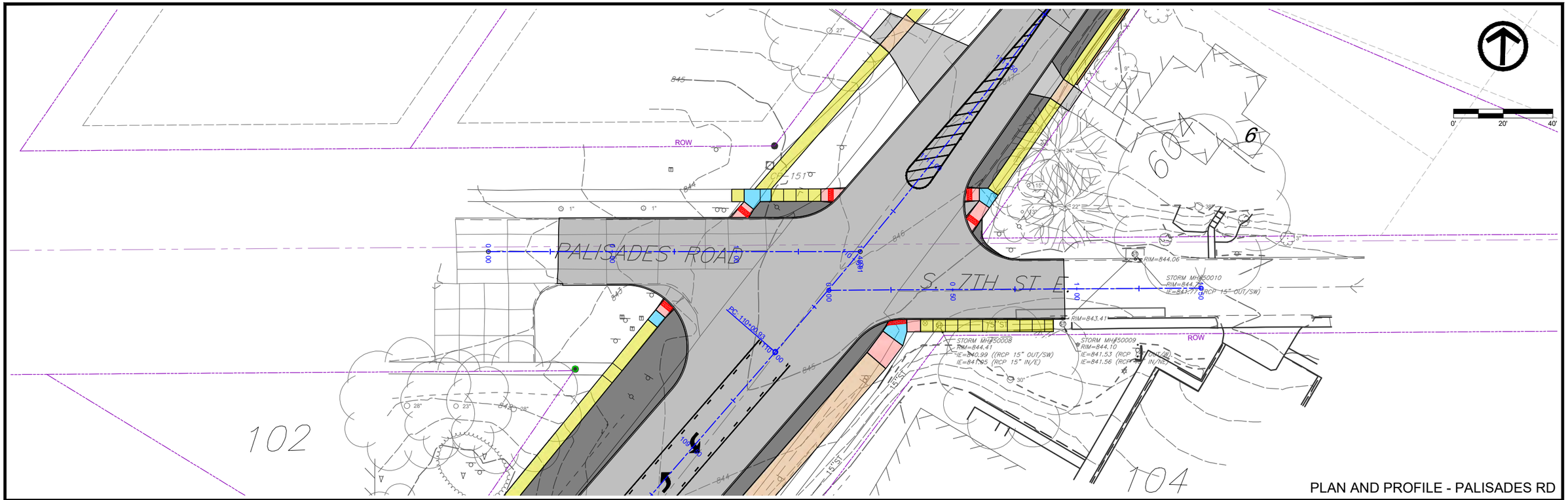




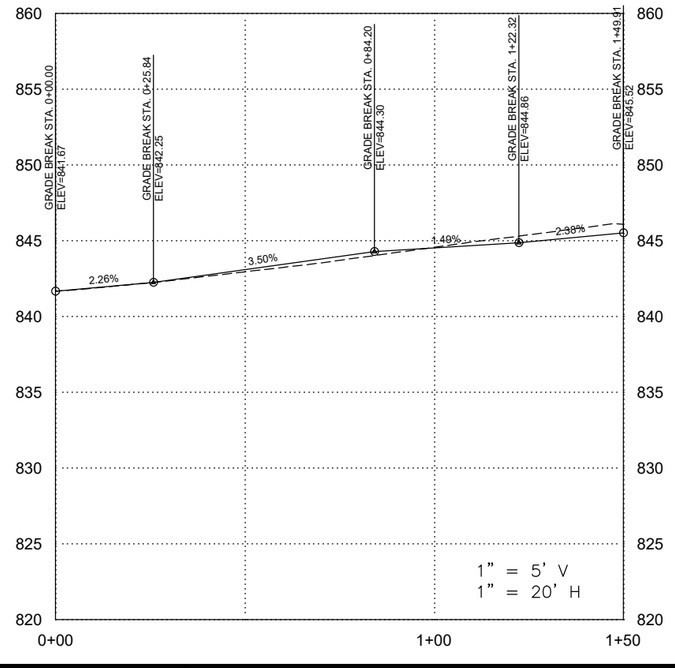
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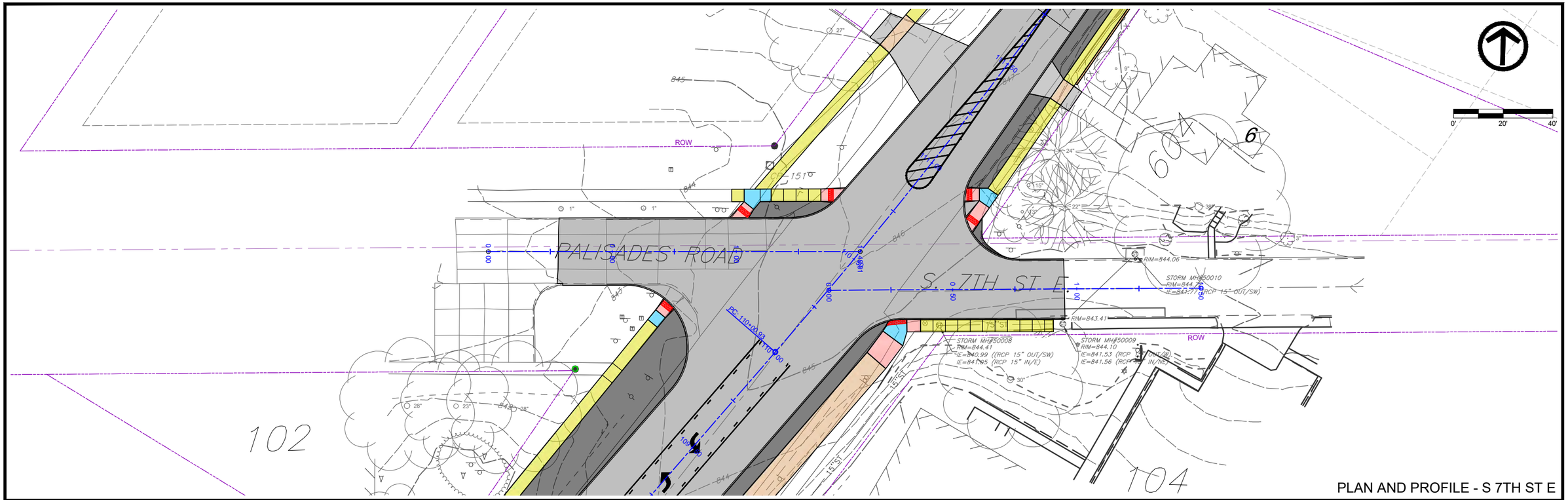
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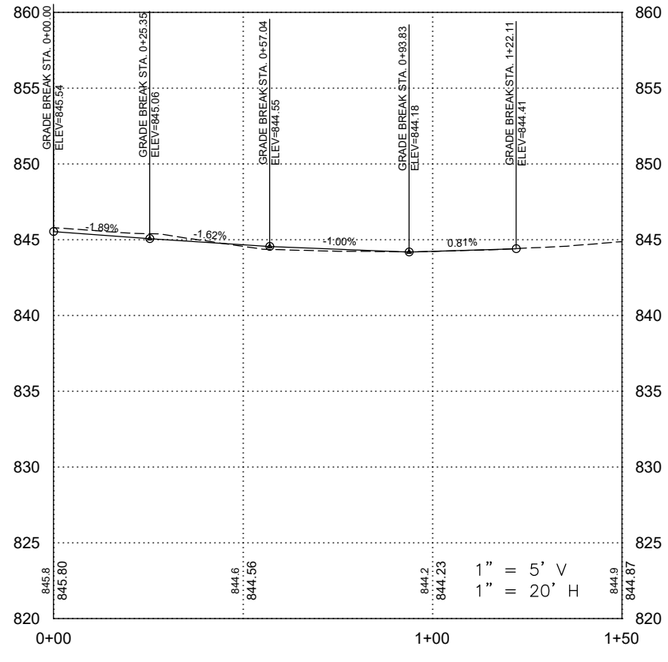
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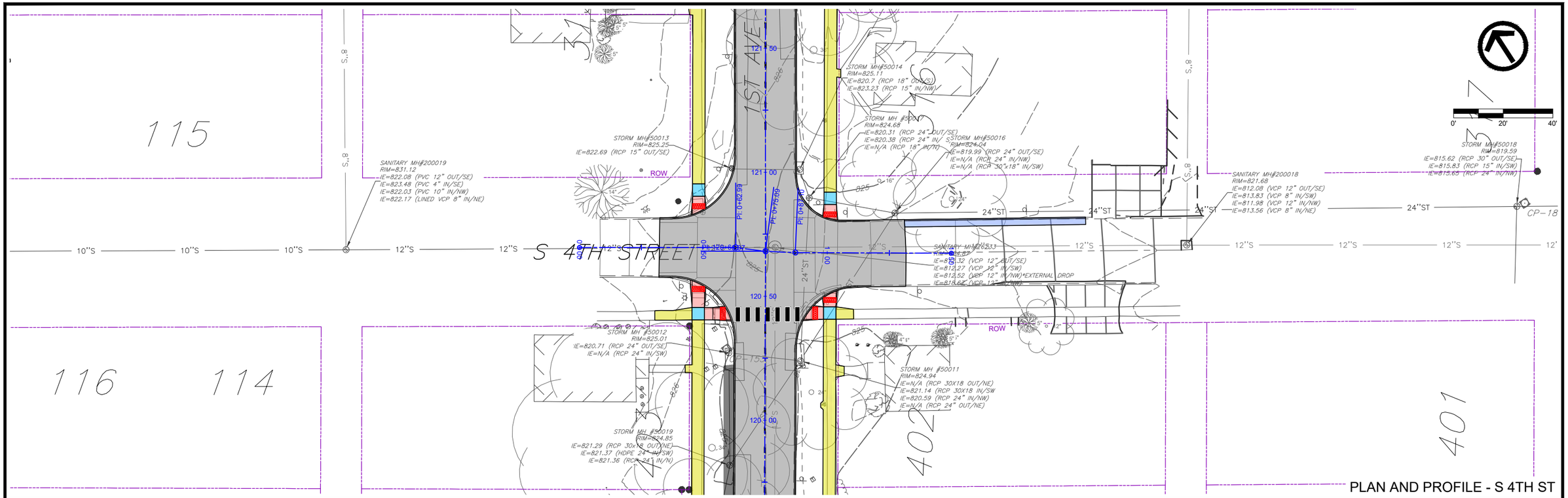
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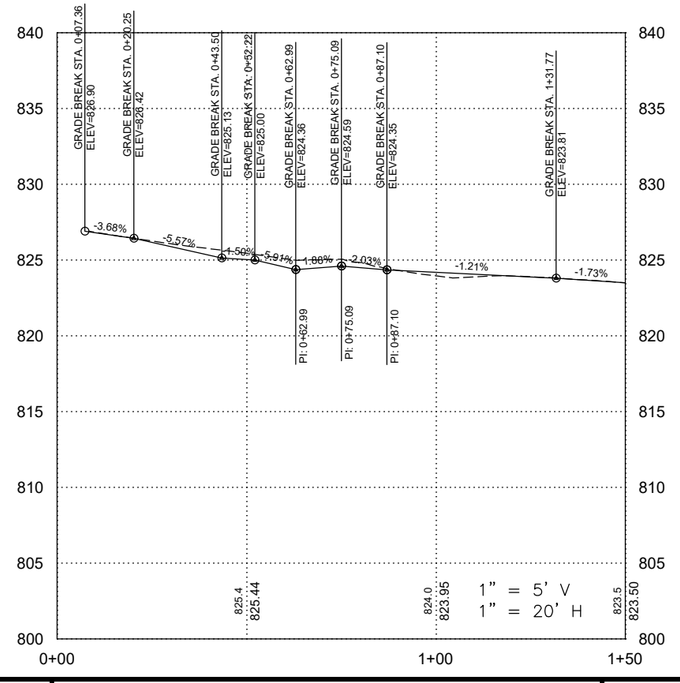


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PLOTTED: Friday, October 16, 2026 10:30:22 AM

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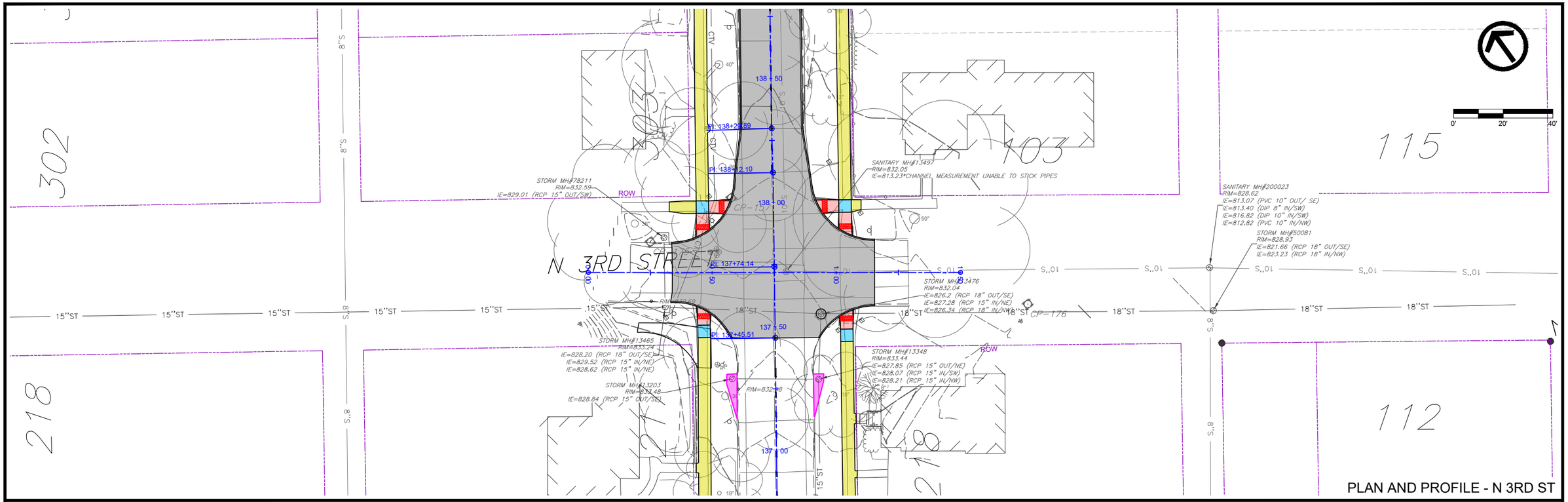




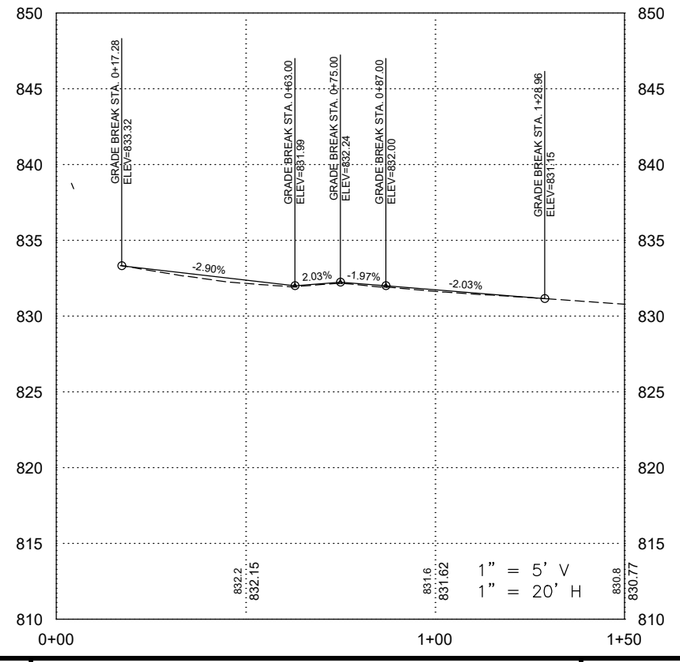
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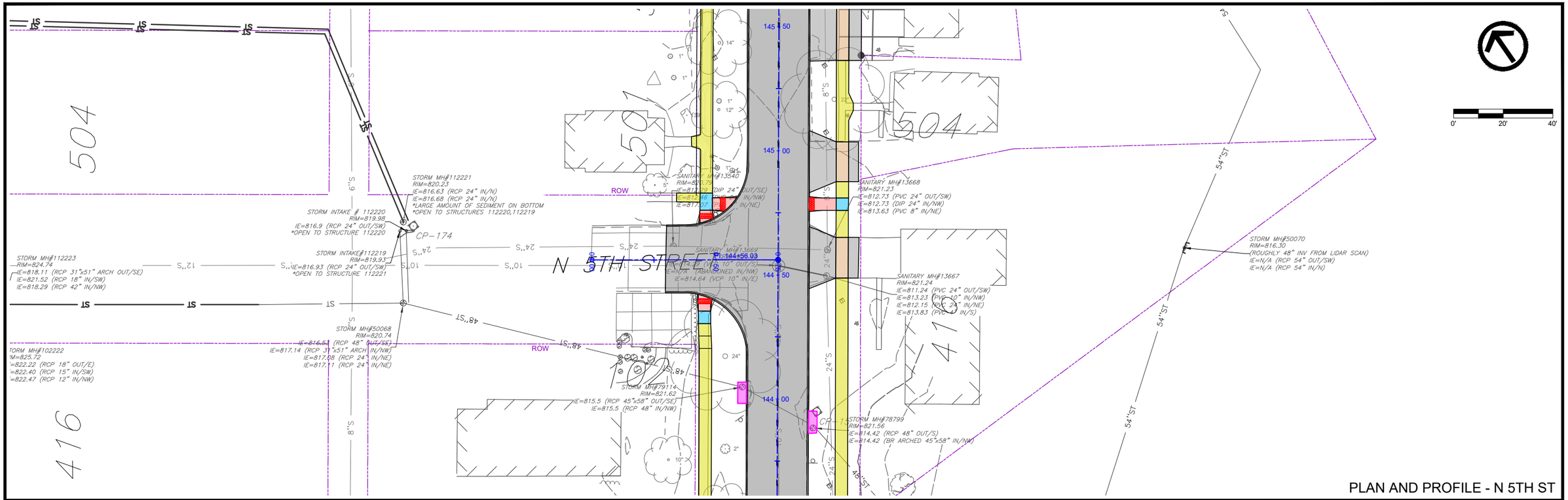
PLAN AND PROFILE - N 3RD ST



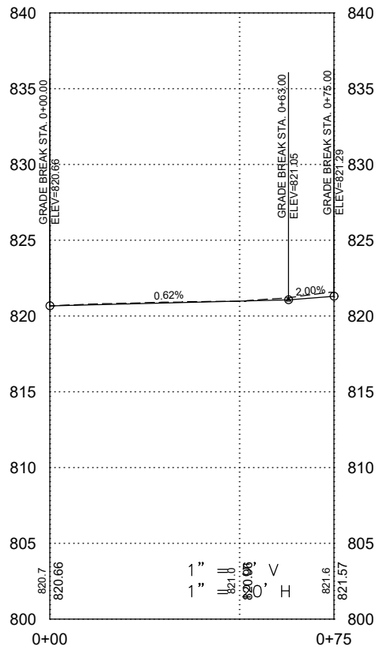
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PLOTTED: Friday, October 16, 2026 10:30:59 AM

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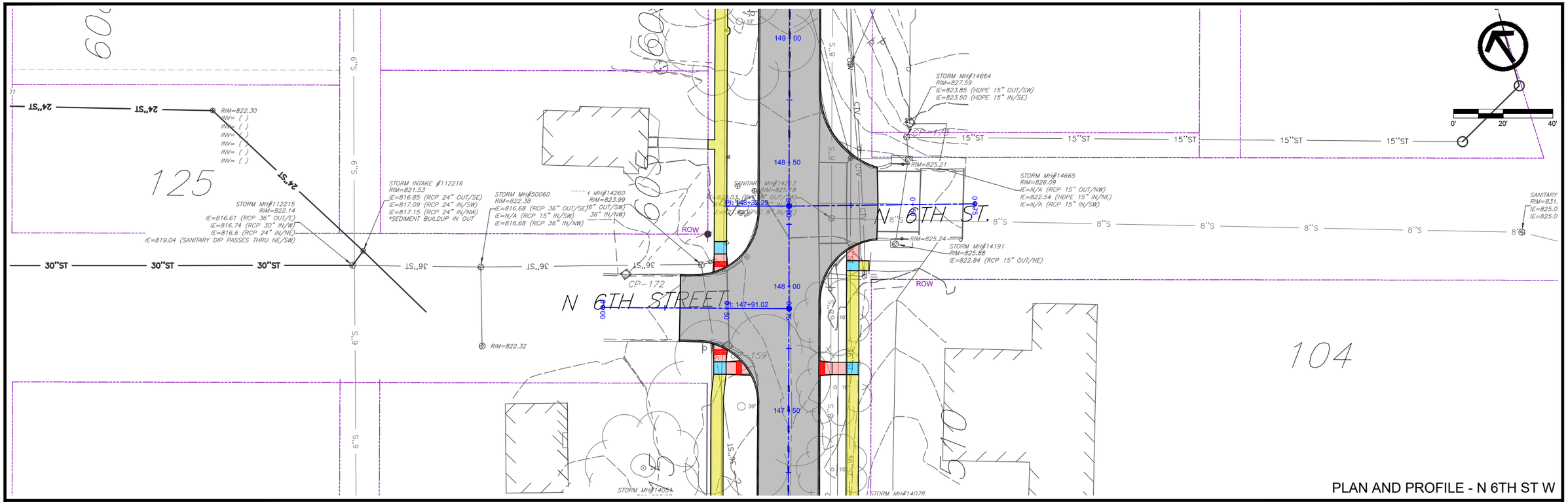
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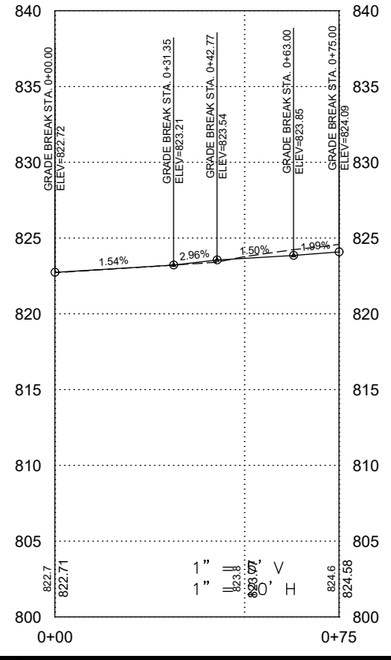
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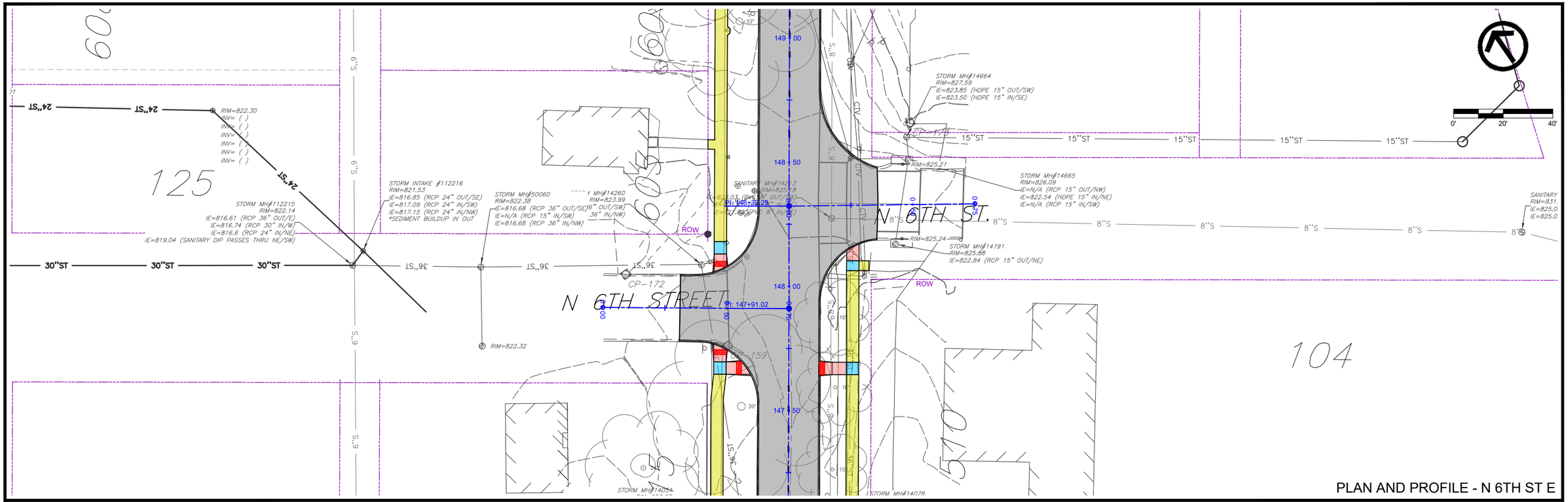
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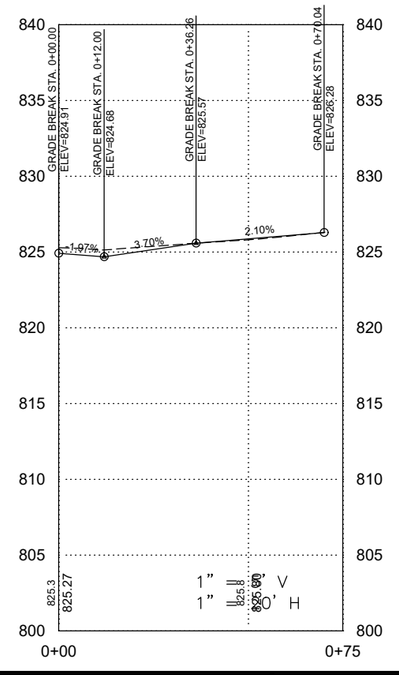


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER E.06

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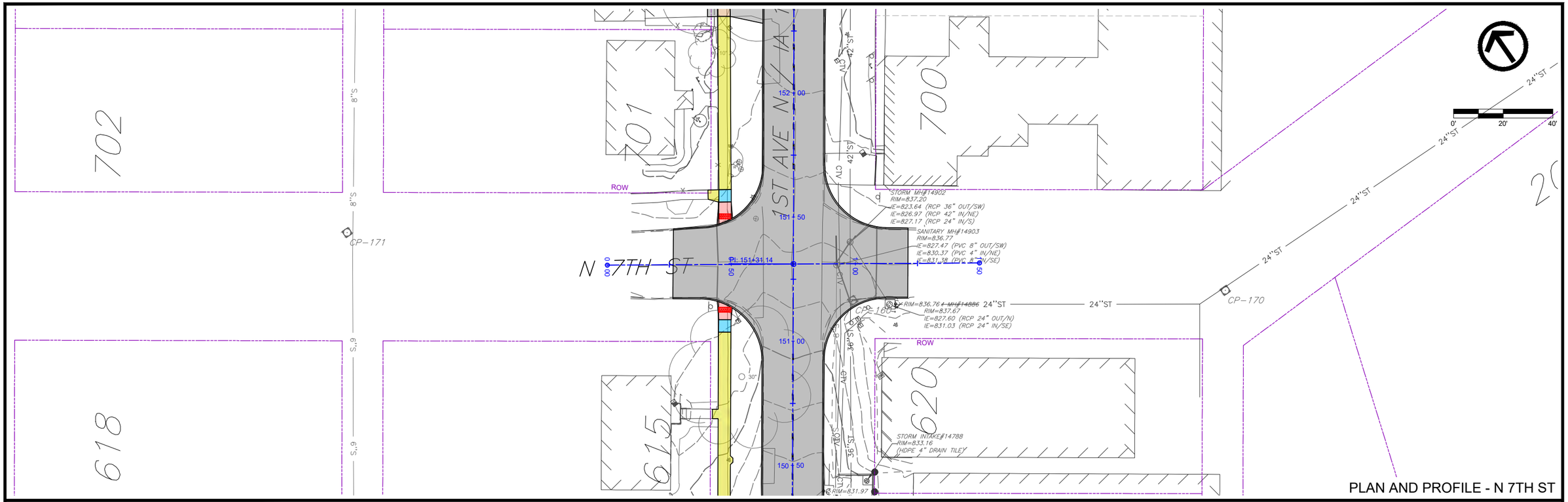




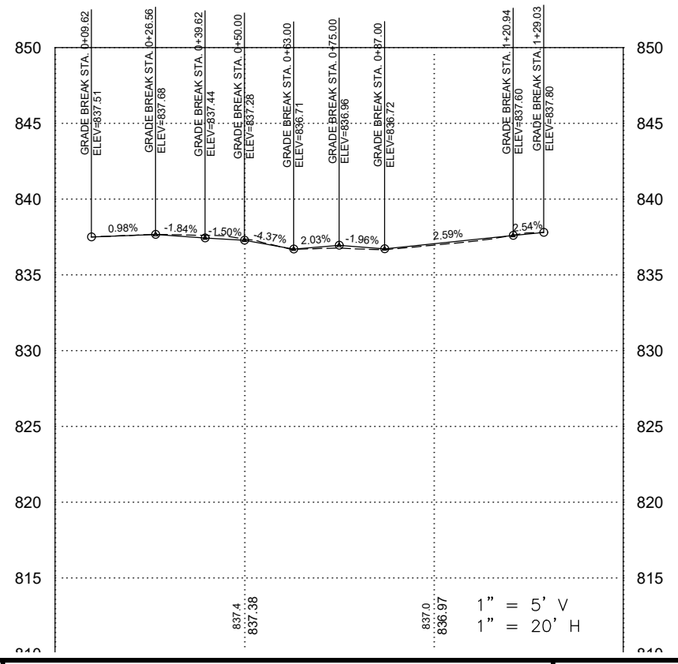
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PLOTTED: Friday, October 16, 2026 10:31:55 AM

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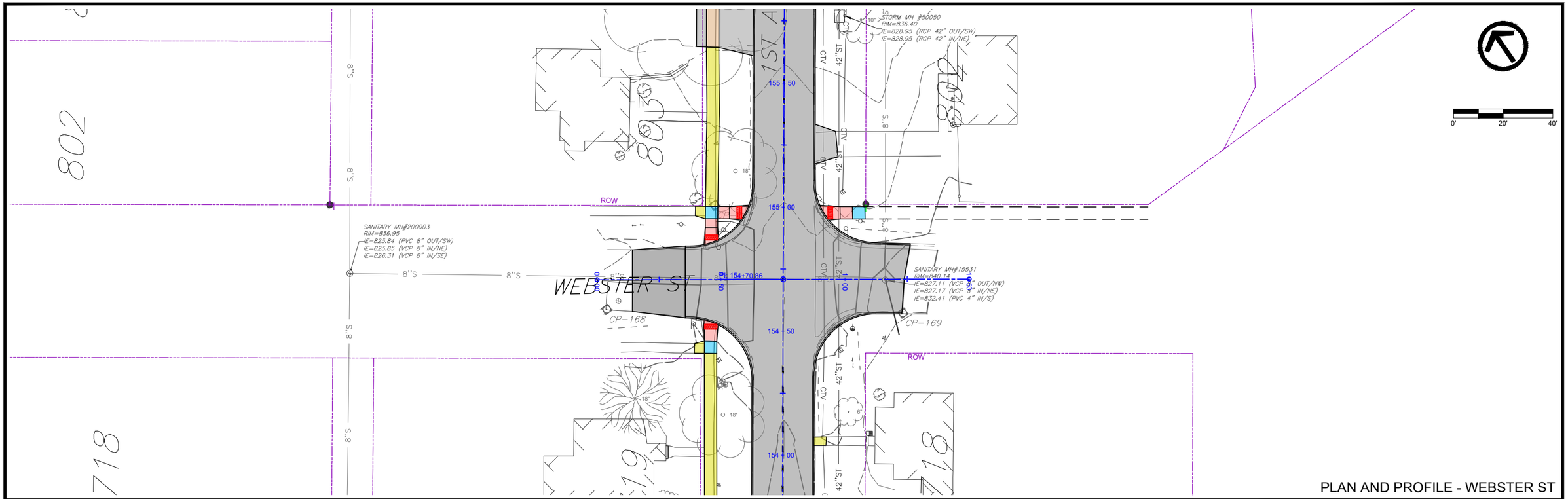
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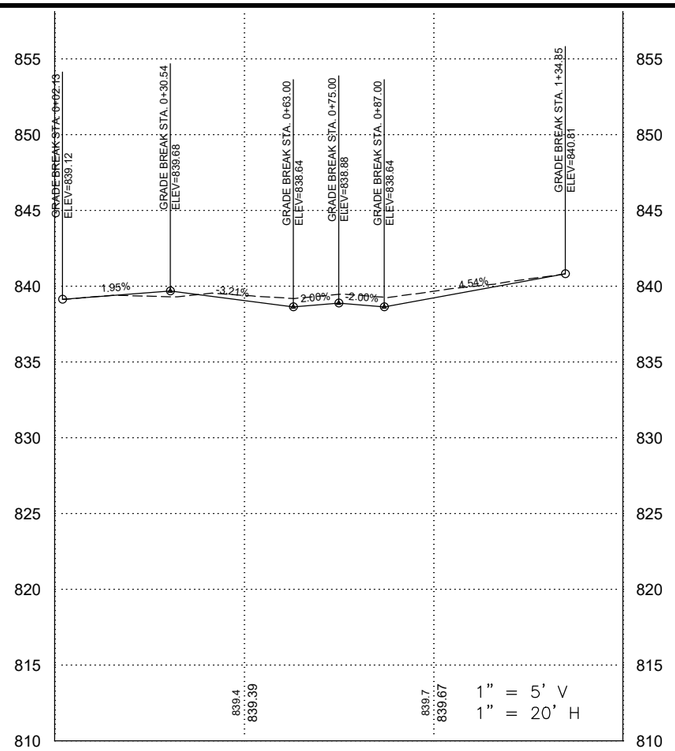
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PLOTTED: Friday, October 16, 2026 10:32:13 AM

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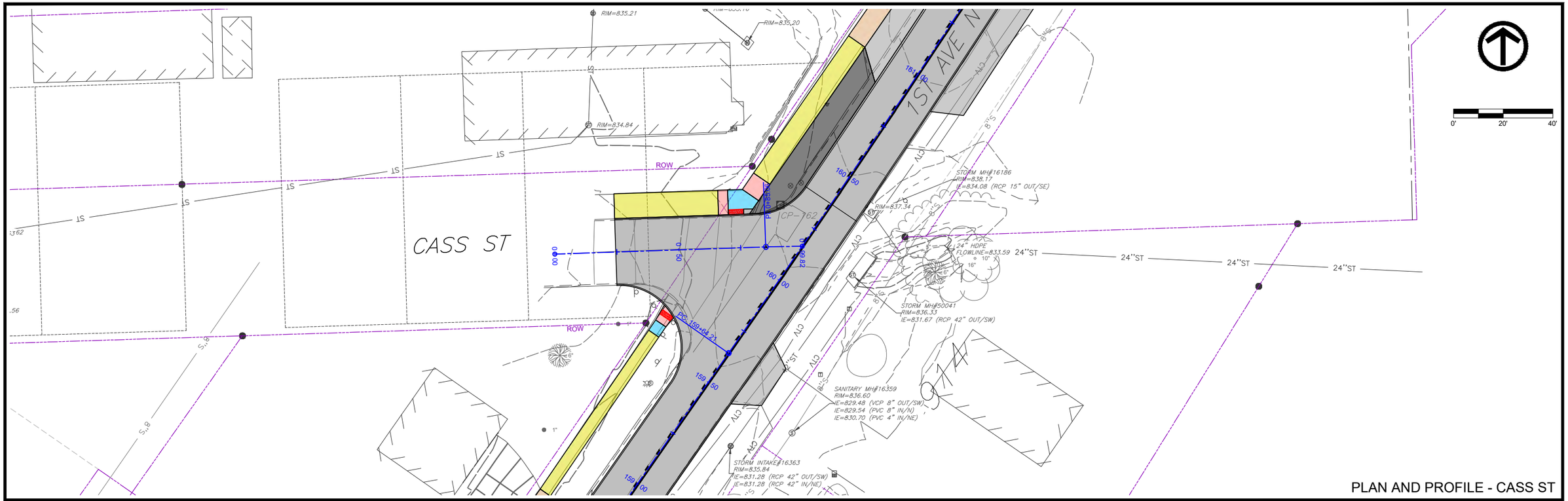
PLAN AND PROFILE - WEBSTER ST



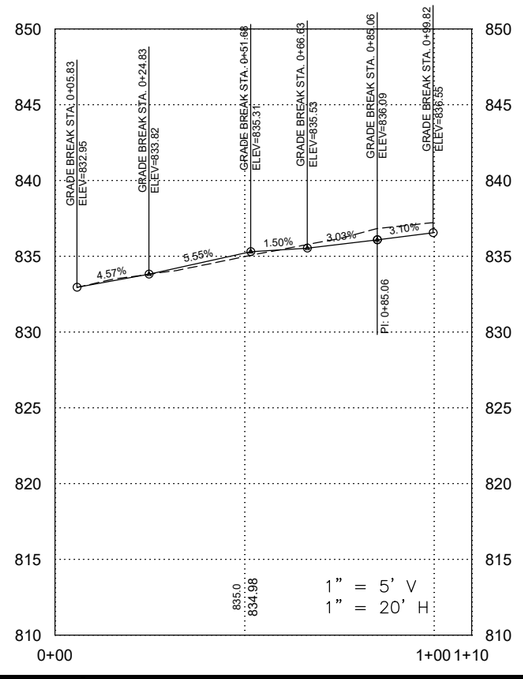
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PLAN AND PROFILE - CASS ST



FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	E.10

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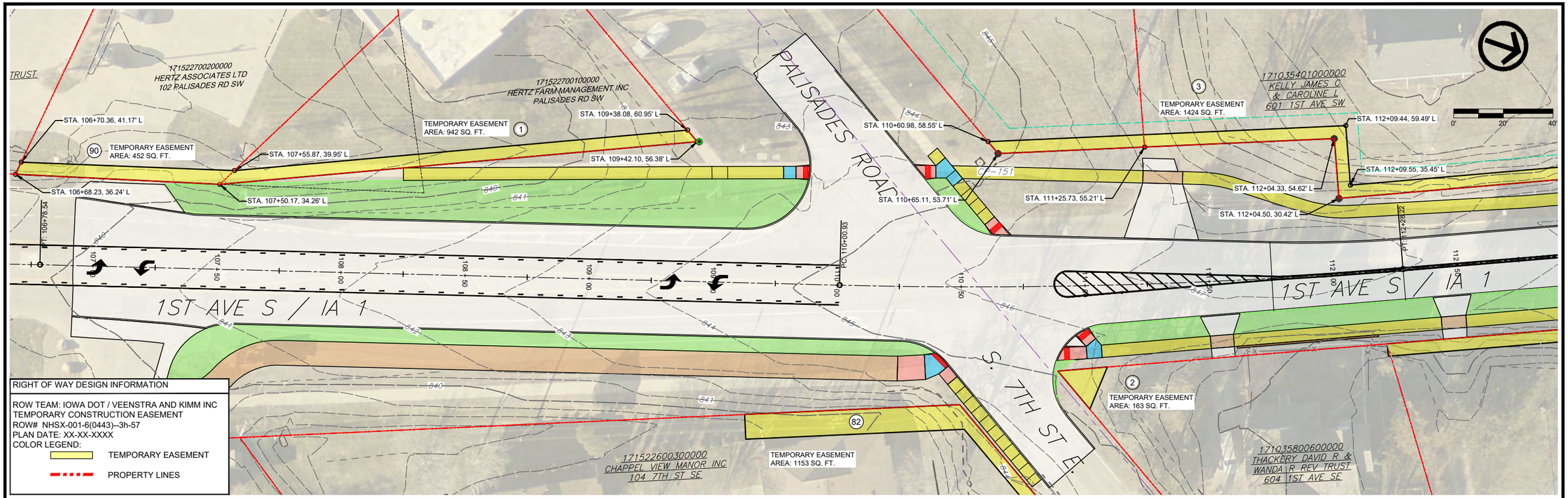
CONTROL POINTS

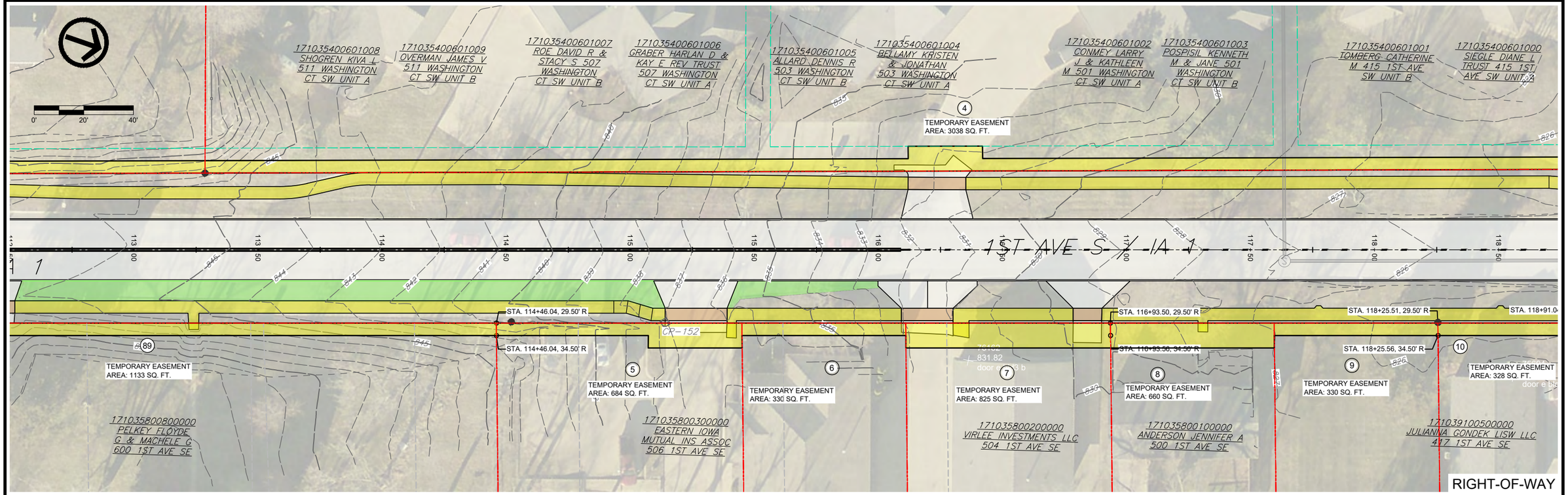
Point #	Northing	Easting	Elevation	Description
150	3439444.20	5486709.22	833.78	cp cutx 150
151	3440035.32	5486925.23	844.75	cp cutx 151
152	3440366.84	5487244.54	837.56	cp cutx 152
153	3440822.27	5487488.26	825.06	cp cutx 153
154	3441094.71	5487712.34	833.94	cp cutx 154
155	3441678.87	5488054.90	883.05	cp cutx 155
156	3441842.65	5488207.09	869.06	cp cutx 156
157	3442292.08	5488481.27	831.33	cp cutx 157
158	3442759.94	5488846.79	821.39	cp cutx 158
159	3443095.86	5489031.21	823.78	cp cutx 159
160	3443347.66	5489265.51	837.11	cp cutx 160
161	3443692.69	5489442.04	839.61	cp cutx 161
162	3444116.81	5489750.90	837.33	cp cutx 162
163	3444341.33	5489931.89	844.45	cp cutx 163
164	3444552.84	5490063.77	845.76	cp cutx 164
167	3444363.51	5489994.43	843.63	cp cutx 167
168	3443682.89	5489382.40	839.02	cp cutx 168
169	3443613.86	5489479.80	840.84	cp cutx 169
170	3443265.68	5489391.40	840.88	cp cutx 170
171	3443485.92	5489113.34	834.04	cp cutx 171
172	3443142.87	5489013.61	822.96	cp cutx 172
173	3443127.93	5489142.66	829.90	cp cutx 173
174	3442913.78	5488755.45	820.23	cp cutx 174
175	3442296.62	5488444.44	832.66	cp cutx 175
176	3442187.66	5488553.44	830.54	cp cutx 176
177	3441790.86	5488243.62	872.34	cp cutx 177
178	3441557.57	5487940.58	872.95	cp cutx 178
179	3441371.08	5488289.09	862.32	cp cut x 179
180	3440966.76	5488028.80	826.44	cp cut x 180
182	3440696.79	5487790.22	819.63	cp cut x 182
183	3440003.55	5486542.20	839.99	cp cut x 183
184	3439991.05	5487612.52	851.56	cp cut x 184
188	3444910.92	5490291.99	841.10	cp 1/2in rebar blue cap
189	3445454.31	5490602.57	830.62	

SURVEY CONTROL

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	G.01	

PLOTTED: Friday, October 16, 2026 10:33:16 AM FILE PATH: \\CORIA-NASNIP01.KLEINFELDER.COM\CRVLSHARE\0500\0513-MOUNT_VERNON\0513-0061_HGHWY_1_RECONSTRUCTION_DS_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\G - SURVEY CONTROL

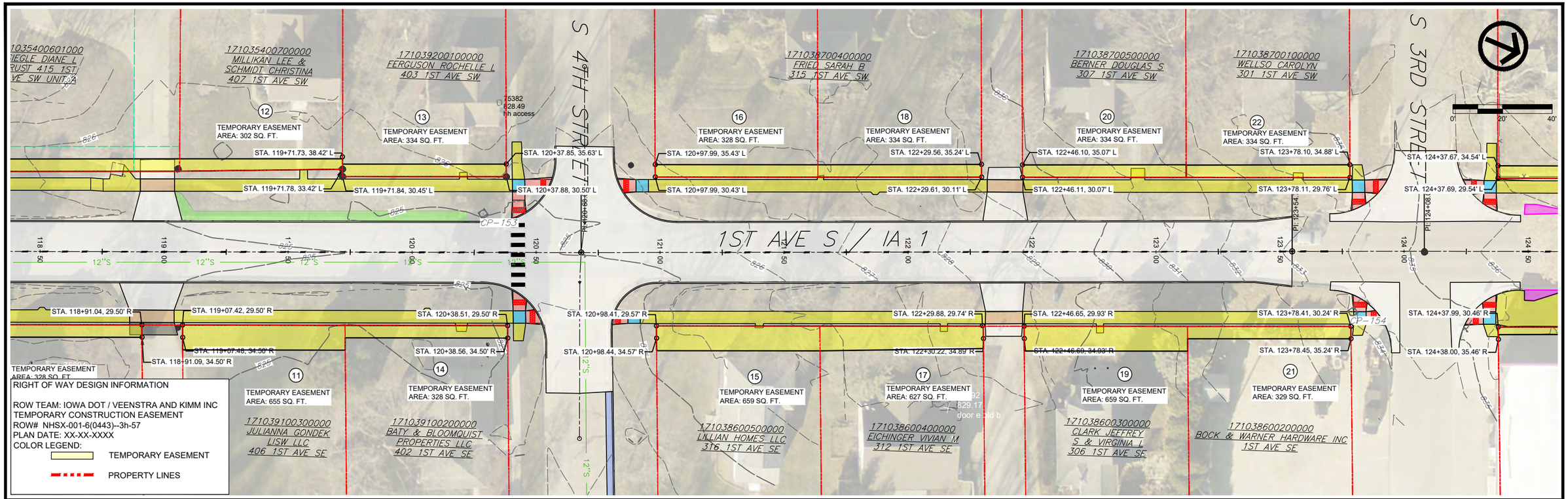


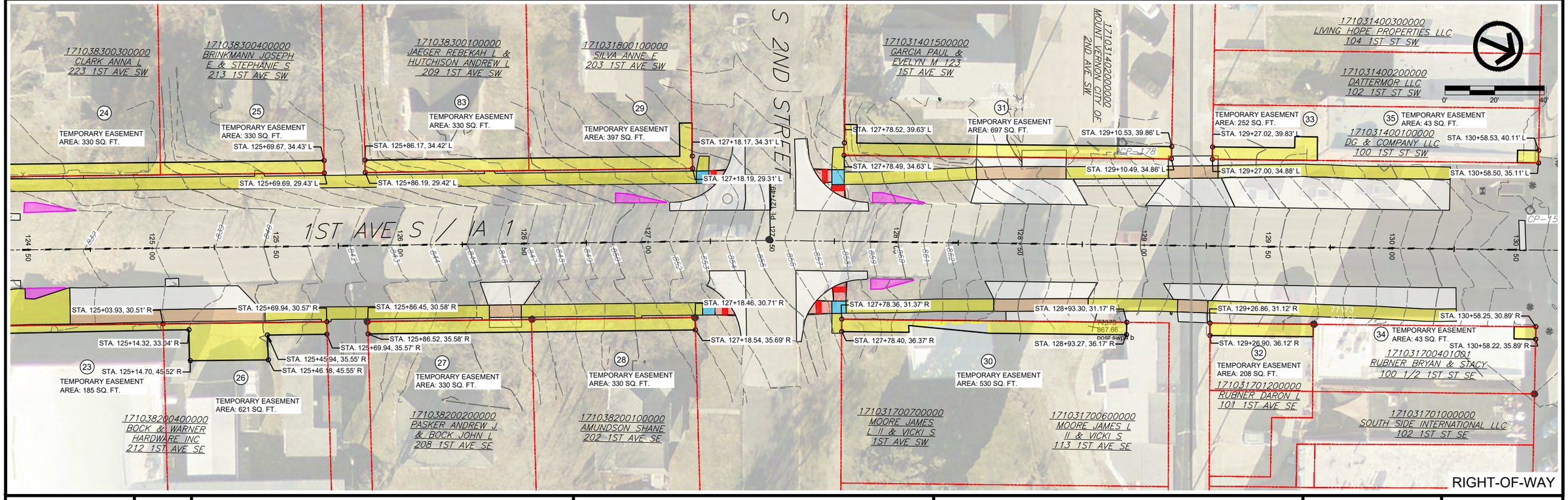


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)–3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	H.01	

PLOTTED: Friday, October 16, 2026 10:33:55 AM

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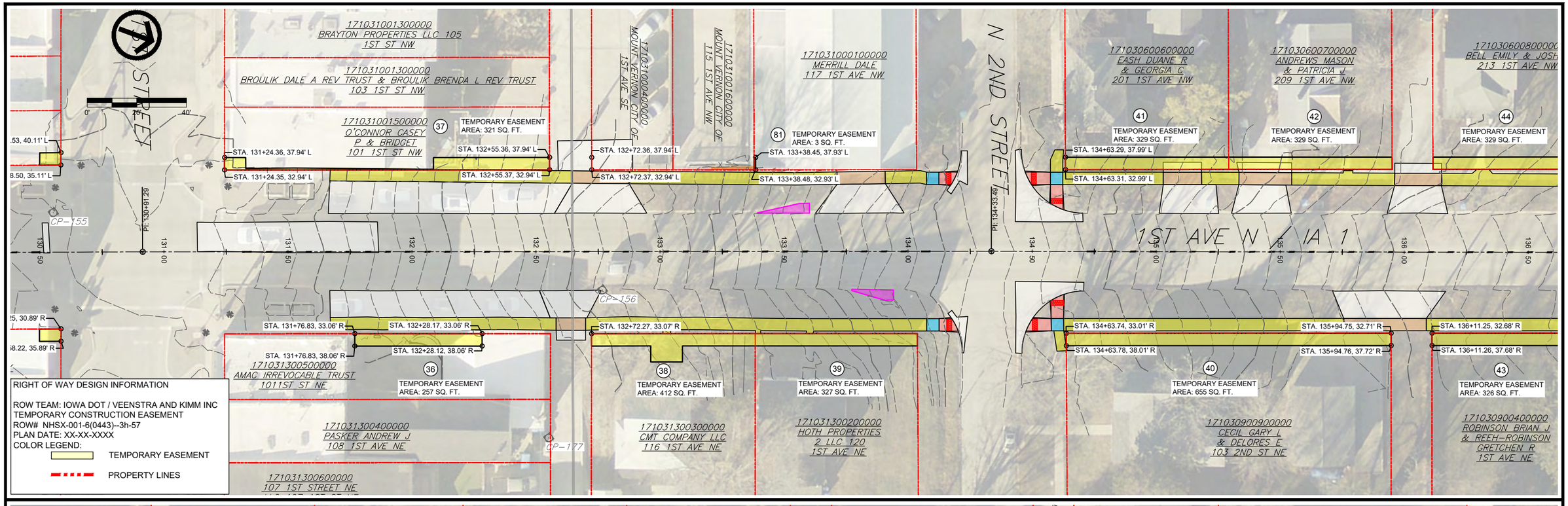




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PLOTTED: Friday, October 16, 2026 10:34:12 AM

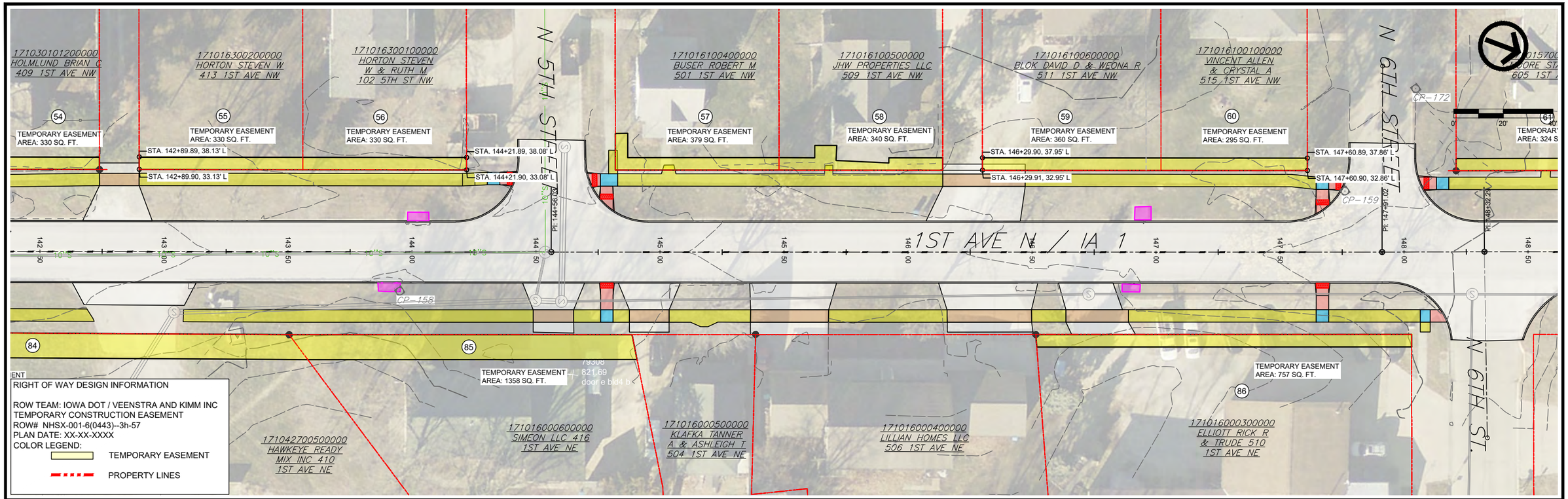
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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	H.03

PLOTTED: Friday, October 16, 2026 10:34:30 AM

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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	H.04	

PLOTTED: Friday, October 16, 2026 10:34:47 AM

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WEBSTER ST

1710152005000000
ULCH HEATHER R
& VLASEK TODD E
803 1ST AVE NW

1710152006000000
SCHURR ANA E
805 1ST AVE NW

1710152007000000
SCHULZ CORINE
807 1ST AVE NW

1710152008000000
BELL NANCI M
& GARY R 809
1ST AVE NW

1710152011000000
DOWNEY--PATA DEENA
L & PAUL S PATA
903 1ST AVE NW

70 TEMPORARY EASEMENT AREA: 587 SQ. FT.

71 TEMPORARY EASEMENT AREA: 274 SQ. FT.

72 TEMPORARY EASEMENT AREA: 368 SQ. FT.

73 TEMPORARY EASEMENT AREA: 331 SQ. FT.

74 TEMPORARY EASEMENT AREA: 928 SQ. FT.

STA. 155+00.42, 37.69' L

STA. 155+00.44, 32.69' L

CP-161

PI: 154+70.86

1ST AVE N / IA 1

154+50 155+00 155+50 156+00 156+50 157+00 157+50 158+00 158+50 159+00 159+50 160+00 160+50

PC: 159+64.21

CP-162

0' 20' 40'

RIGHT OF WAY DESIGN INFORMATION

ROW TEAM: IOWA DOT / VEENSTRA AND KIMM INC
TEMPORARY CONSTRUCTION EASEMENT
ROW# NHSX-001-6(0443)--3h-57
PLAN DATE: XX-XX-XXXX
COLOR LEGEND:

TEMPORARY EASEMENT

PROPERTY LINES

1710151007000000
SPINSBY MARY R
802 1ST AVE NE

1710151006000000
LAPEL CHANDRAN
M & ANDREW W
804 1ST AVE NE

1710151005000000
FRANKS NICOLE
808 1ST AVE NE

1710151004000000
SKYLES CHLOE
& KJ & KAREN
810 1ST AVE NE

1710151003000000
WIRES SARAH K
906 1ST AVE NE

1710151002000000
SIMEON LLC 910
1ST AVE NE

1710151001000000
SIMEON LLC 914
1ST AVE NE

1109 1ST AVE NW

TEMPORARY EASEMENT AREA: 751 SQ. FT.

87

FM FM

0' 20' 40'

1710127005000000
TODD GORDON CONSTRUCTION INC
1010 1ST AVE NW

1710127001000000
MONK KEVIN L & JUDY L
1012 1ST AVE NW

CP-162

PT: 163+20.18

PI: 163+68.29

STA. 163+79.32, 19.97' L

PI: 164+80.72

1ST AVE N / IA 1

160+50 161+00 161+50 162+00 162+50 163+00 163+50 164+00 164+50 165+00 165+50 166+00

1ST AVE

CP-163

CP-164

UNION PACIFIC RAILROAD

CP-167

1710129003000000
TODD GORDON
CONSTRUCTION
INC 1ST AVE NE

1710129001000000
BLYTHE ROBERT
L & POLLY A
920 1ST AVE NE

1710103004000000
MOUNT VERNON CITY
OF 1ST AVE NE

1710103009000000
M&K IOWA REAL
ESTATE LLC
1011 1ST AVE NE

1710101004000000
KRAUS MARK J &
PAMELA A
1108 1ST AVE NE

RIGHT-OF-WAY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	H.05

PLOTTED: Friday, October 16, 2026 10:35:04 AM

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INK ROAD

STA. 167+07.24, 37.07' L

STA. 167+19.03, 18.99' L

PC: 167+58.99

STA. 168+61.14, 64.39' L

STA. 168+61.98, 59.37' L

1710102002000000
CURRIE JAY D
& ANN D 102
INK RD NW

78
TEMPORARY EASEMENT
AREA: 805 SQ. FT.

STA. 170+22.01, 60.14' L

STA. 170+23.69, 55.09' L

79
TEMPORARY EASEMENT
AREA: 1493 SQ. FT.

1710102003000000
BERG VICTORIA &
JASON 1103
1ST AVE NW

167 50 | 168 00 | 168 50 | 169 00 | 169 50 | 170 00 | 170 50 | 171 00 | 171 50 | 172 00 | 172 50

CP-188

0' 20' 40'

RIGHT OF WAY DESIGN INFORMATION

ROW TEAM: IOWA DOT / VEENSTRA AND KIMM INC
TEMPORARY CONSTRUCTION EASEMENT
ROW# NHSX-001-6(0443)--3h-57
PLAN DATE: XX-XX-XXXX
COLOR LEGEND:
TEMPORARY EASEMENT
PROPERTY LINES

1710101004000000
KRAUS MARK J &
PAMELA A
1108 1ST AVE NE

1710101005000
DAVIS JAY J &
CHRISTINE M
1ST AVE NE

1710101003000000
KRAUS MARK J &
PAMELA A 1170
1ST AVE NE

1710101002000000
DAVIS JON J &
CHRISTINE M
1204 1ST AVE NE

79
TEMPORARY EASEMENT
AREA: 1493 SQ. FT.

1710102003000000
BERG VICTORIA &
JASON 1103
1ST AVE NW

88
TEMPORARY EASEMENT
AREA: 563 SQ. FT.

1703477002000000
SOUTHTOWN IOWA LLC ET AL
1225 1ST AVE NW TRLR 42

170 50 | 171 00 | 171 50 | 172 00 | 172 50 | 173 00 | 173 50 | 174 00 | 174 50 | 174 70.81

IOWA HWY. 1

CP-189

0' 20' 40'

1710101002000000
DAVIS JON J &
CHRISTINE M
1204 1ST AVE NE

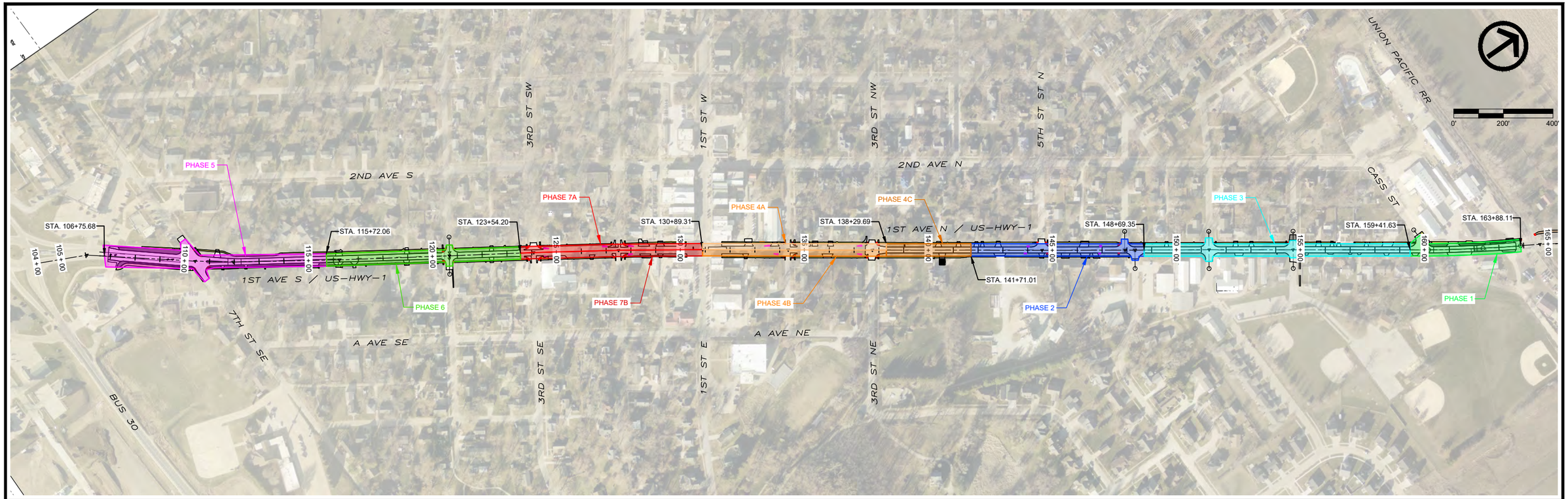
1703476003000000
DAVIS JAY J &
CHRISTINE M
1234 1ST AVE NE

RIGHT-OF-WAY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	H.06

PLOTTED: Friday, October 16, 2026 10:35:21 AM

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108_23A
8/15/22

TRAFFIC CONTROL PLAN

1.The phases shown on the J sheets are guidelines for the Contractor; actual traffic control and staging may vary as proposed by the contractor and approved by the Engineer. Phases 5 and 6 to shall be completed in numerical order in 2027 and phases 1, 2, 3, and 4C shall be completed in numerical order in 2028. Phases 4A, 4B, 7A, and 7B may be completed as scheduling permits.

2.All traffic control devices required by the contract documents shall be furnished, erected, moved, maintained, and removed by the contractor.

3.The location for storage of equipment by the Contractor during non-working hours shall be as approved by the Engineer.

4.Proposed sign spacing may be modified as approved by the Engineer to meet existing field conditions.

5.Permanent signing that conveys a message contrary to the message of the temporary signing and not applicable to the working conditions shall be covered by Contractor with concurrence from Engineer.

6.All construction traffic, including material delivery trucks shall use the unfinished portion of the roadway whenever possible.

7.The Contractor shall submit completed Traffic Control Diary entries to the Engineer weekly.

8.Per 23 CFR 634: "All workers within the Right-of-way of a federal-aid highway who are exposed either to traffic (vehicles using the highway for purposes of travel) or to construction equipment within the work area shall wear high-visibility safety apparel, which is defined to mean "personal protective safety clothing that in intended to provide conspicuity during both daytime and nighttime usage, and that meets the Performance Class 2 or 3 requirements of the ANSI/ISEA 107-2004."

9.Once the Contractor closes one section of the roadway, the Contractor shall complete the work associated with that phase of the project and reopen the roadway to traffic before leaving the project to work on another project phase.

10.Contractor shall maintain access to all businesses and private driveways throughout the duration of the project at all times unless subsequent agreement has been reached between the contractor and the property owner. Provide 7 calendar day notice and 72-hour written notice to all businesses and residents impacted by construction or road closures.

11.Contractor to notify Iowa DOT 511 system.

108_26A
8/15/22

STAGING NOTES

Coordinate with the City of Mt Vernon for the following recurring local events. Contractor shall close construction areas to pedestrian access.

"Chalk the Walk" – First Sunday in May (May 1, 2027 & May 6, 2028)
Contractor shall open pavement for traffic and pedestrians along phases 7A, 7B, 4A,and/or 4B for traffic 7 days prior to the event until the day of the event.

"Chili Cookoff" – Weekend in October (No dates set for 2027 or 2028) Coordinate schedule with city.

"Heritage Days" – June 17-20, 2027 & July 14-15, 2028 (Tentative schedule, coordinate with City)

Phase 1
Construct HWY 1 improvements from STA 159+41.63 to STA 163+88.11.
Coordinate with local businesses. Open Cass Street to traffic prior to constructing next phase.

Phase 2
Construct HWY 1 improvements from STA 141+71.01 to STA 148+69.35.

Phase 3
Construct HWY 1 improvements from STA 148+69.35 to STA 159+41.63.

Phase 4
Construct HWY 1 Southbound patching from STA 130+89.31 to STA 138+29.69. Maintain Northbound lane access for local traffic.
Construct HWY 1 Northbound patching from STA 130+89.31 to STA 138+29.69. Maintain Southbound lane access for local traffic.
Construct HWY 1 improvements from STA 138+29.69 to STA 141+71.01.

Phase 5
Construct HWY 1 improvements from STA 106+75.68 to STA 115+72.06.
Open Palisades Rd & 7th St SE prior to constructing next phase.
Construct temporary driveway.

Phase 6
Construct HWY 1 improvements from STA 115+72.06 to STA 123+54.20.

Phase 7
Construct HWY 1 Southbound patching from STA 123+54.20 to STA 130+89.31. Maintain Northbound lane access for local traffic.
Construct HWY 1 Northbound patching from STA 123+54.20 to STA 130+89.31. Maintain Southbound lane access for local traffic.

111_01
10/14/22

COORDINATED OPERATIONS

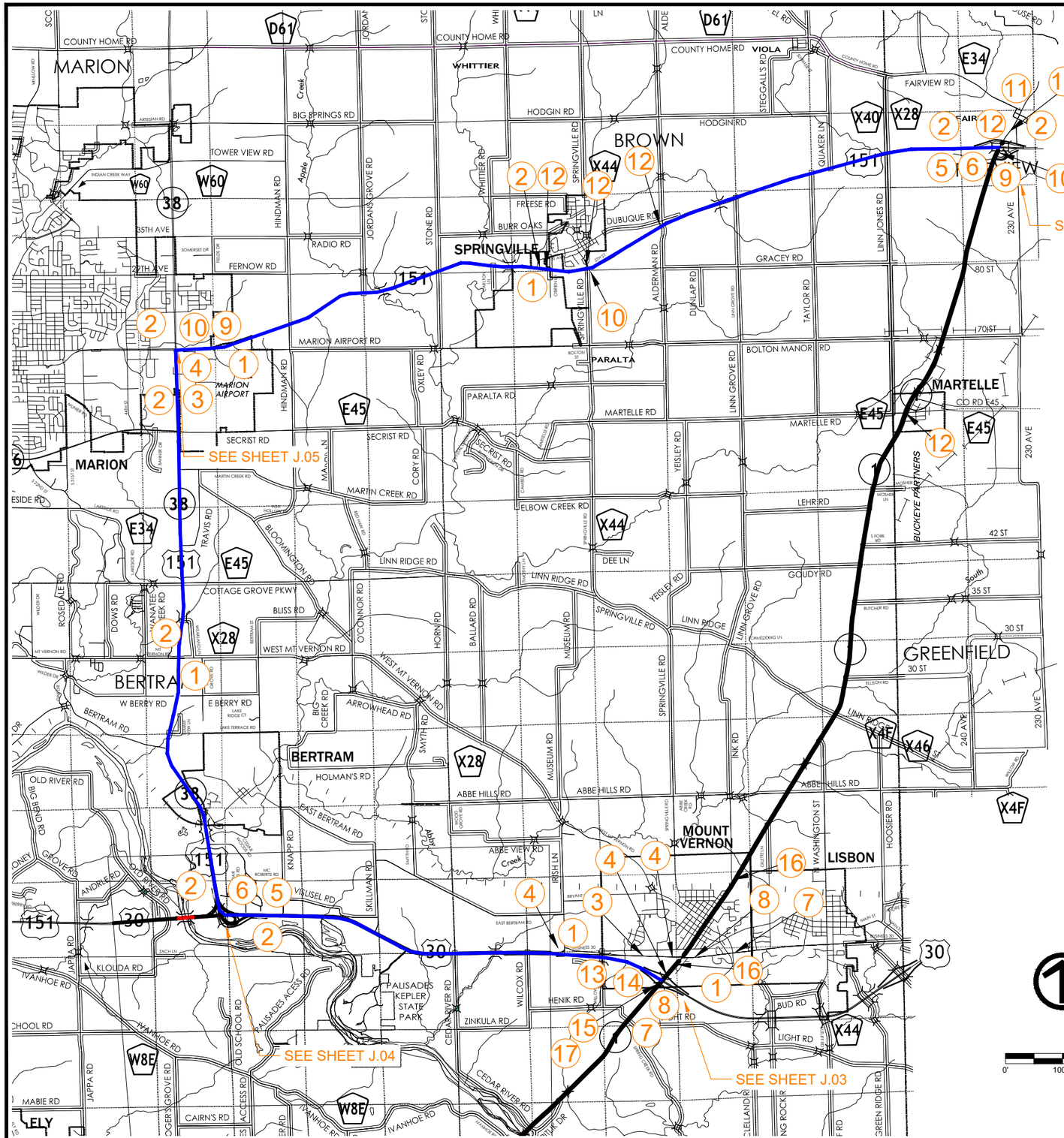
Other work in progress during the same period of time will include the construction of the projects listed. Coordinate operations with those of other contractors working within the same area.

Project	Type of Work
MP-001-6(727)98--76-52	HMA Crack Filling
MP-001-6(705)109--76-57	HMA Crack Filling
MP-030-6(719)235--76-06	PCC Patching
BRF-151-3(177)--38-57	Bridge Deck Overlay
MP-151-6(747)30--76-57	PCC Patching
NHSN-151-3(184)--2R-57	PCC Patching
NHSX-151-3(130)--3H-57	PCC Pavement - Grade & Replace
NHSX-151-2(137)--3H-57	Traffic Signs
NHSX-151-3(143)--3H-57	Bridge New - Steel Girder
NHSX-151-3(188)--3H-57	HMA Resurfacing

TRAFFIC CONTROL - PHASING

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.01

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1 DETOUR NORTH 1

2 DETOUR SOUTH 1

3 DETOUR NORTH 1

4 DETOUR NORTH 1

5 DETOUR NORTH 1

6 DETOUR NORTH 1

7 DETOUR NORTH 1

8 DETOUR NORTH 1

9 DETOUR SOUTH 1

10 DETOUR SOUTH 1

11 DETOUR SOUTH 1

12 DETOUR SOUTH 1

13 DETOUR SOUTH 1

14 DETOUR SOUTH 1

15 END DETOUR

16 PDMS
xxxxxxxxxx
xxxxxxxxxx
xxxxxxxxxx

17 ROAD CLOSED AHEAD

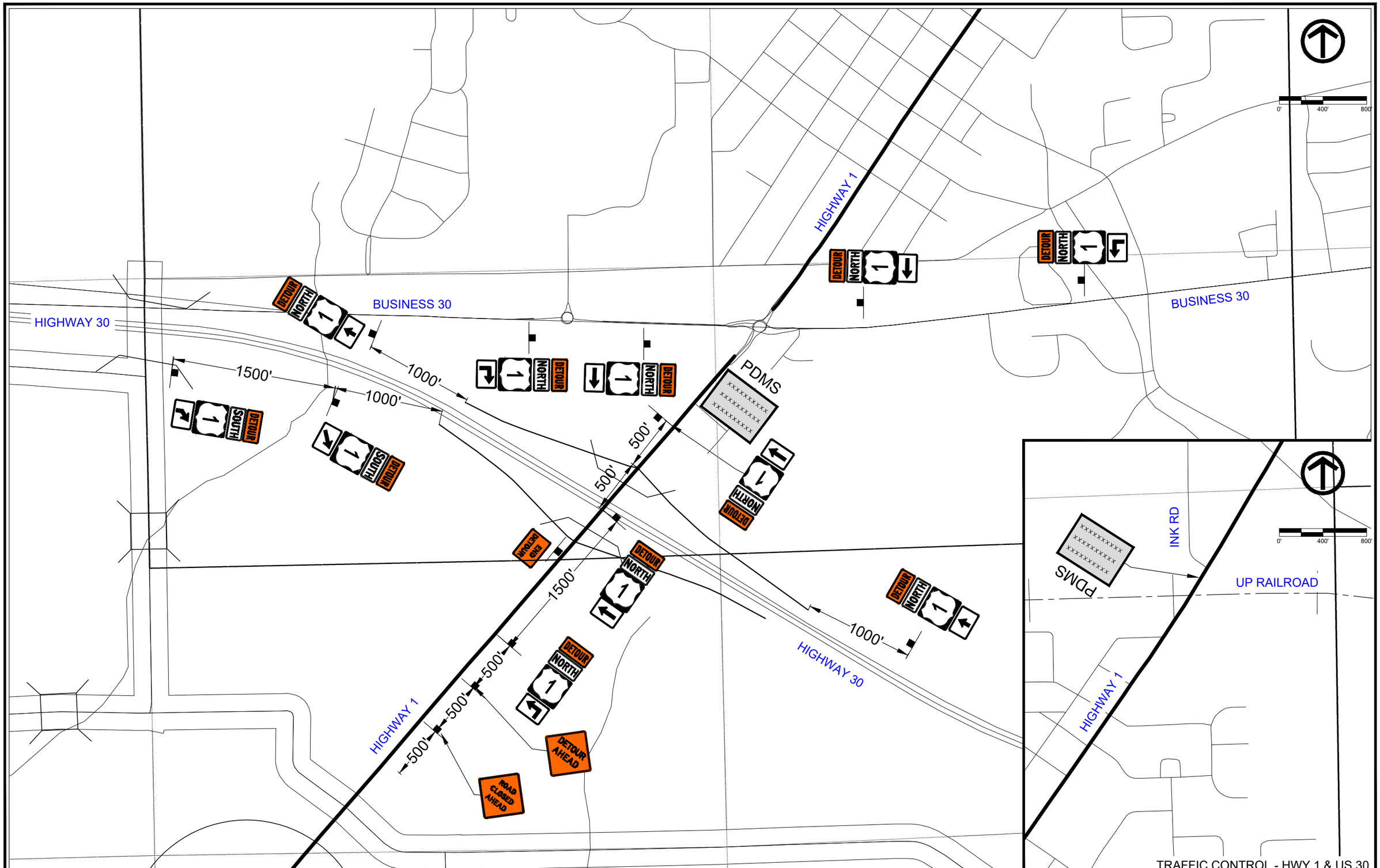
DETOUR AHEAD

TRAFFIC CONTROL - HWY 1 DETOUR

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.02

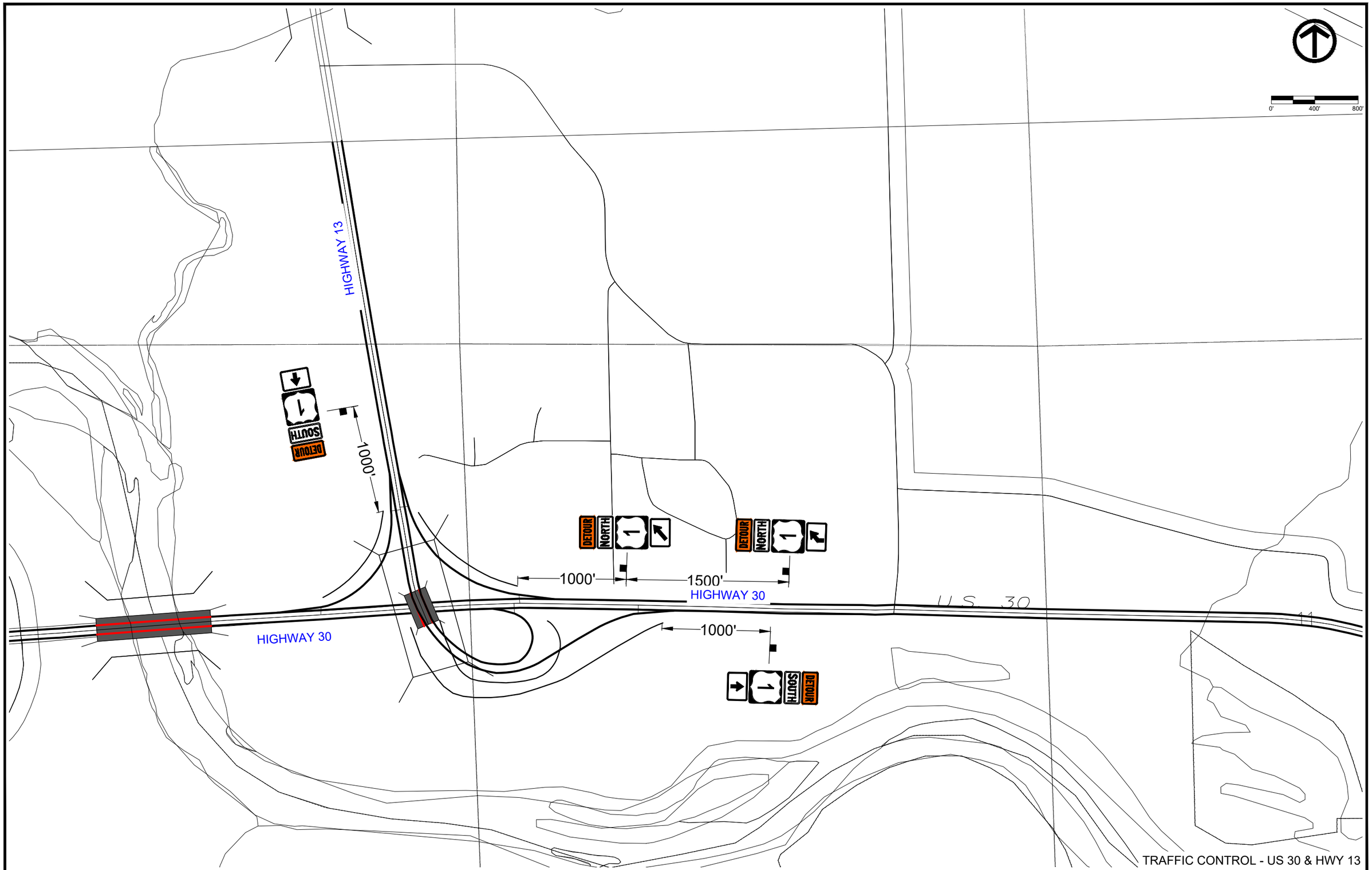
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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.03	

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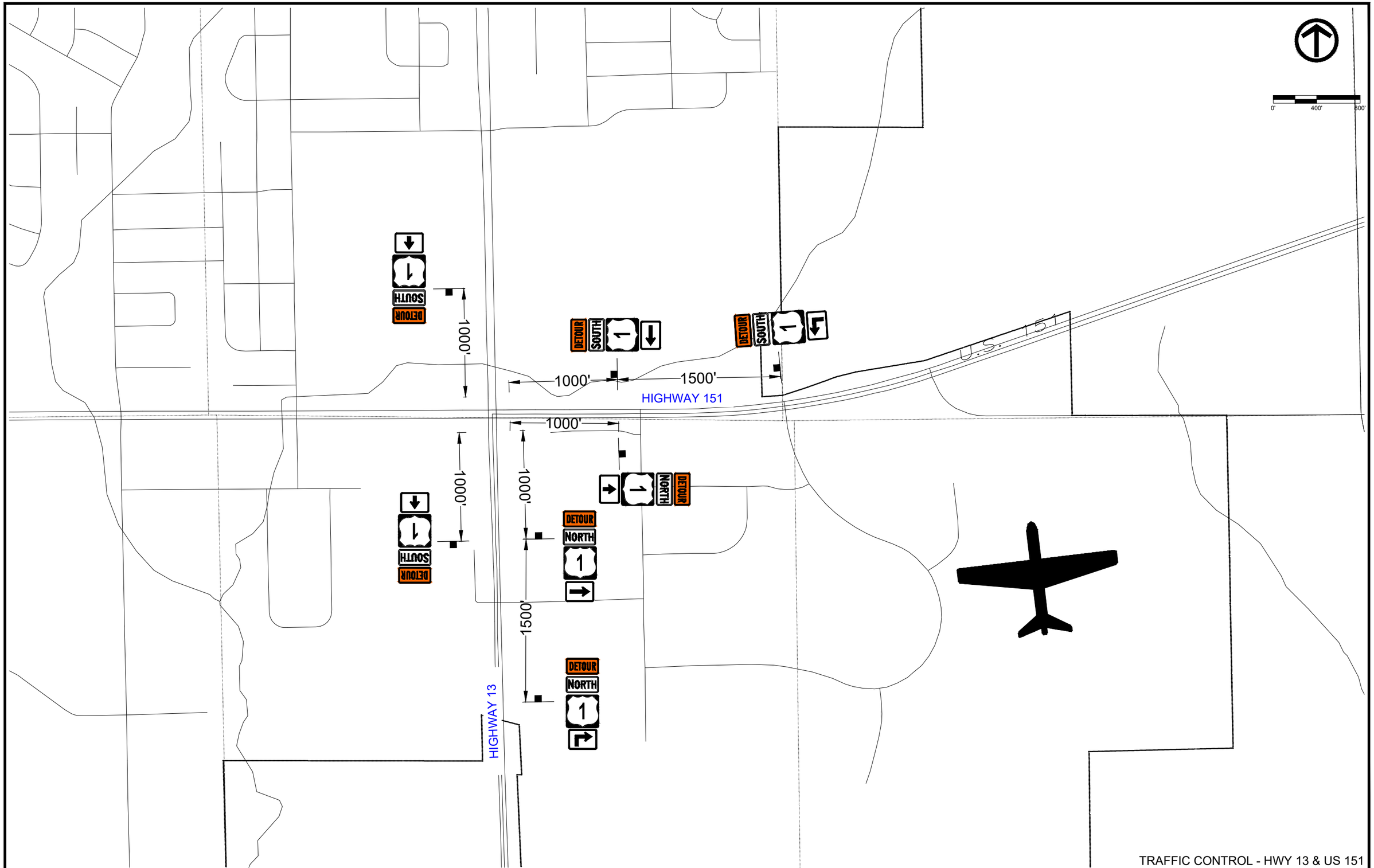


TRAFFIC CONTROL - US 30 & HWY 13

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.04	

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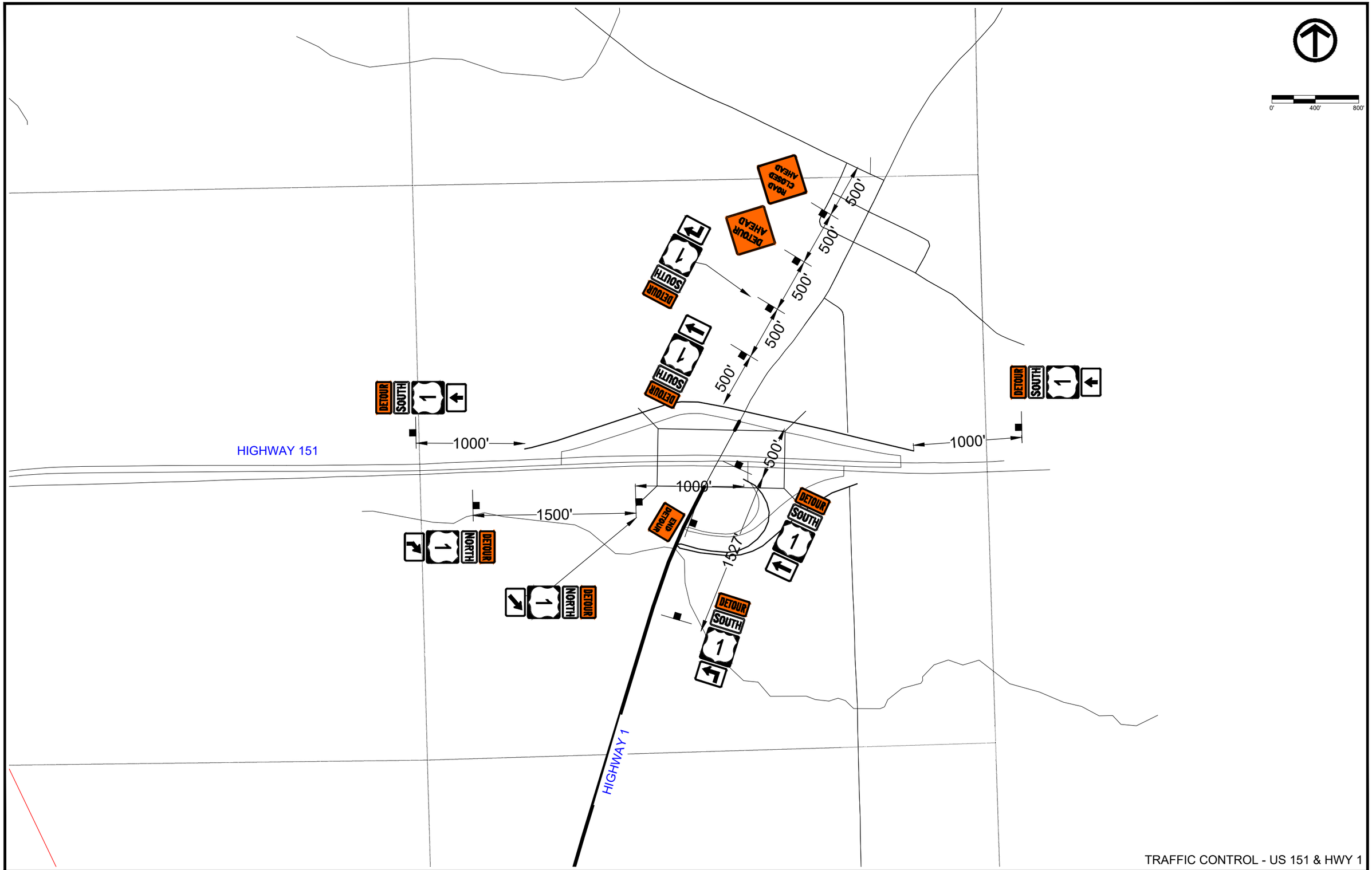


TRAFFIC CONTROL - HWY 13 & US 151

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.05	

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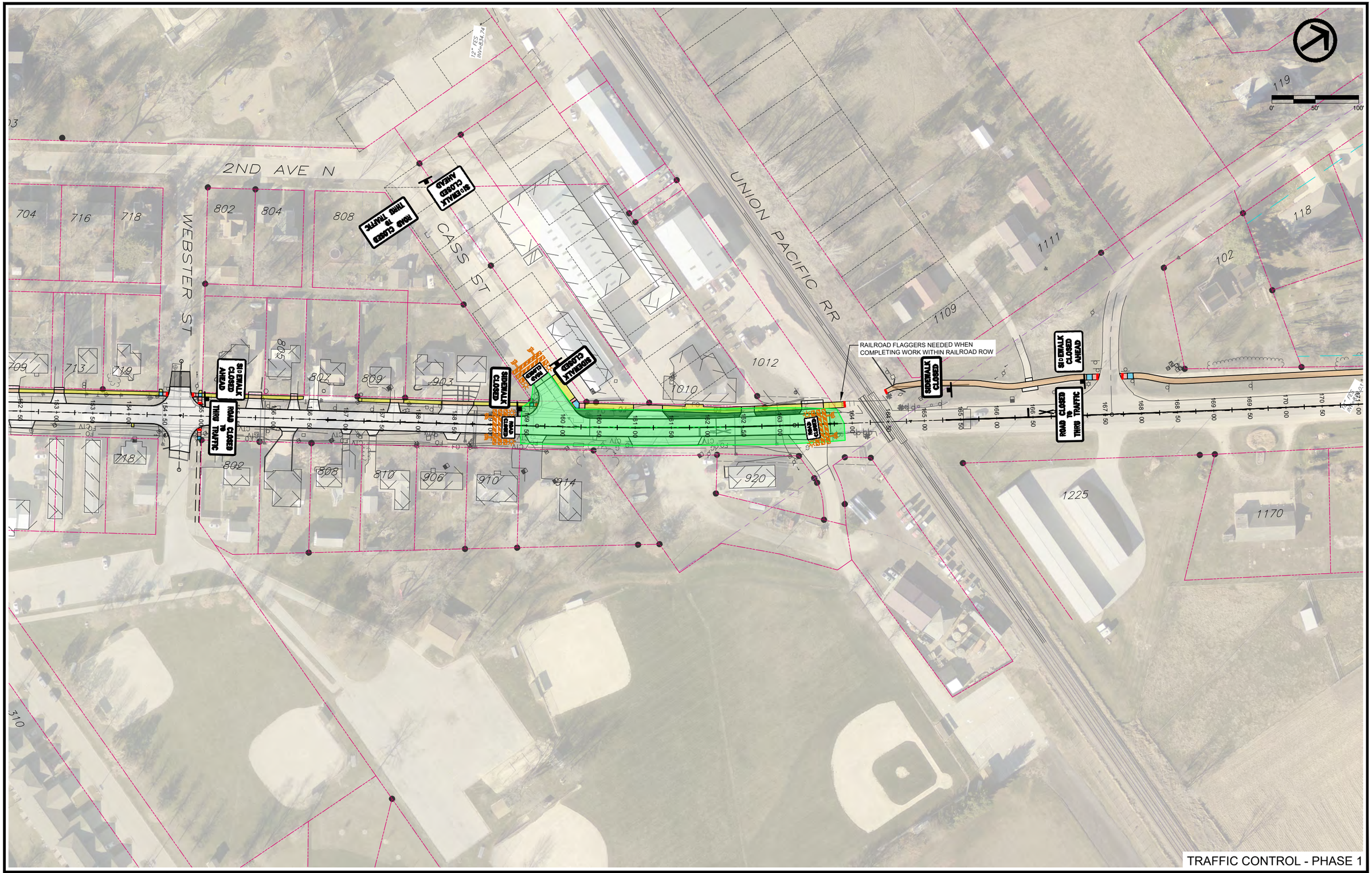


TRAFFIC CONTROL - US 151 & HWY 1

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.06	

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TRAFFIC CONTROL - PHASE 1

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.07	

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2ND AVE N
3RD ST NW
5TH ST N
6TH ST
7TH ST
WEBSTER ST
1ST AVE N / US-52
3RD ST NE
6TH ST NE
302 310 312 318 402 410 414 416 504 510 514 608 612 618 702 704 716 718 802 804
307 311 315 321 409 413 509 511 515 605 609 613 615 701 709 713 719 803 805
314 410 416 504 506 510 616 620 700 718 802
203 201 115 102 125
SIDEWALK CLOSED AHEAD
ROAD CLOSED TO THRU TRAFFIC
SIDEWALK CLOSED
ROAD CLOSED
SIDEWALK CLOSED
ROAD CLOSED TO THRU TRAFFIC
SIDEWALK CLOSED AHEAD
MAINTAIN ACCESS TO HAWKEYE READYMIX CONSTRUCT 12' WIDTH GRAVEL TEMPORARY ROAD AT THE DIRECTION OF THE ENGINEER. CLASS A CRUSHED STONE (112 TONS)
HAWKEYE READY-MIX
SIDEWALK CLOSED AHEAD
ROAD CLOSED TO THRU TRAFFIC
300 302 304 306 308 201 202 203 303 305 307 310
0' 60' 120'
TRAFFIC CONTROL - PHASE 2

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.08	

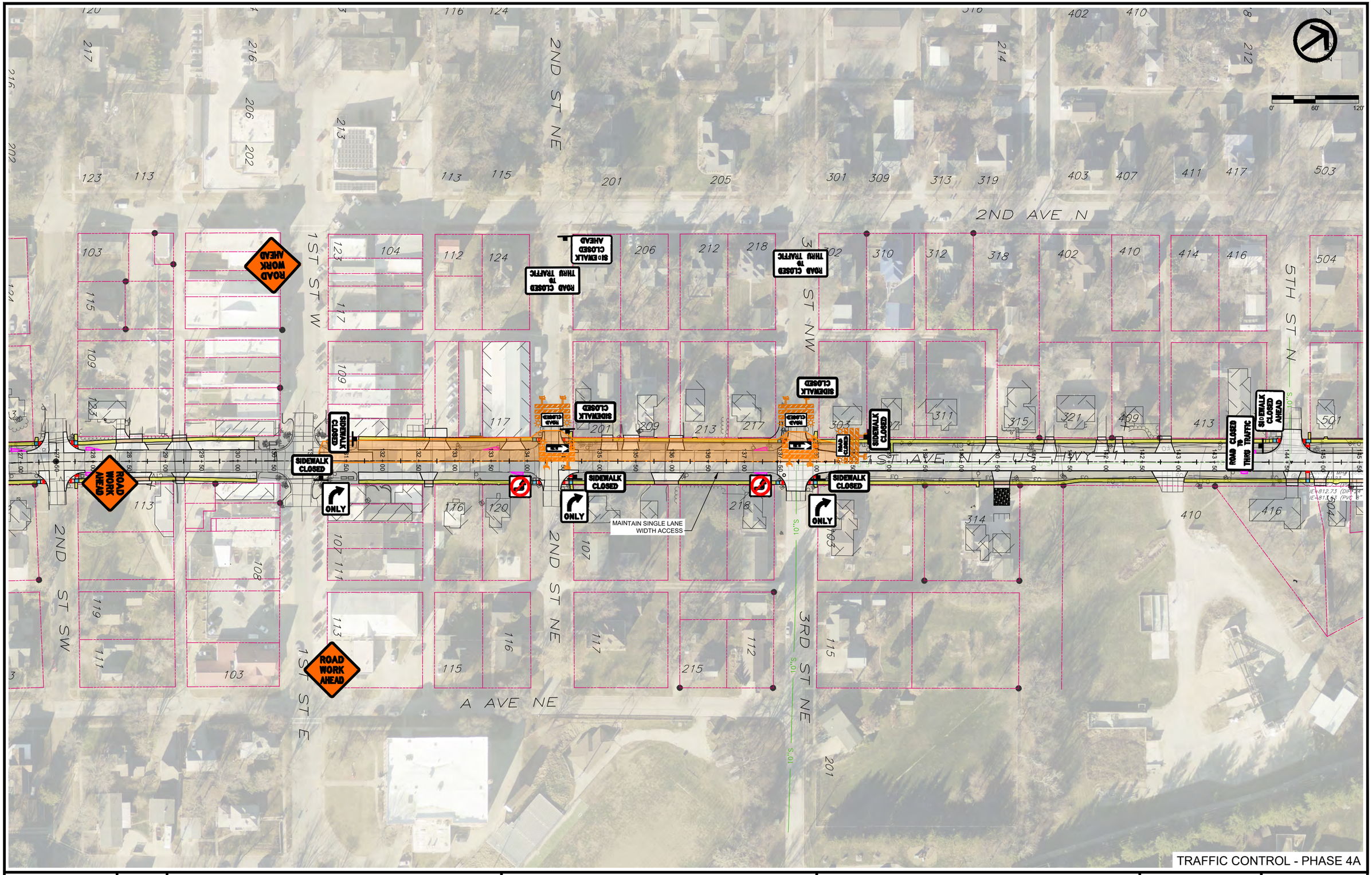
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TRAFFIC CONTROL - PHASE 3

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.09	

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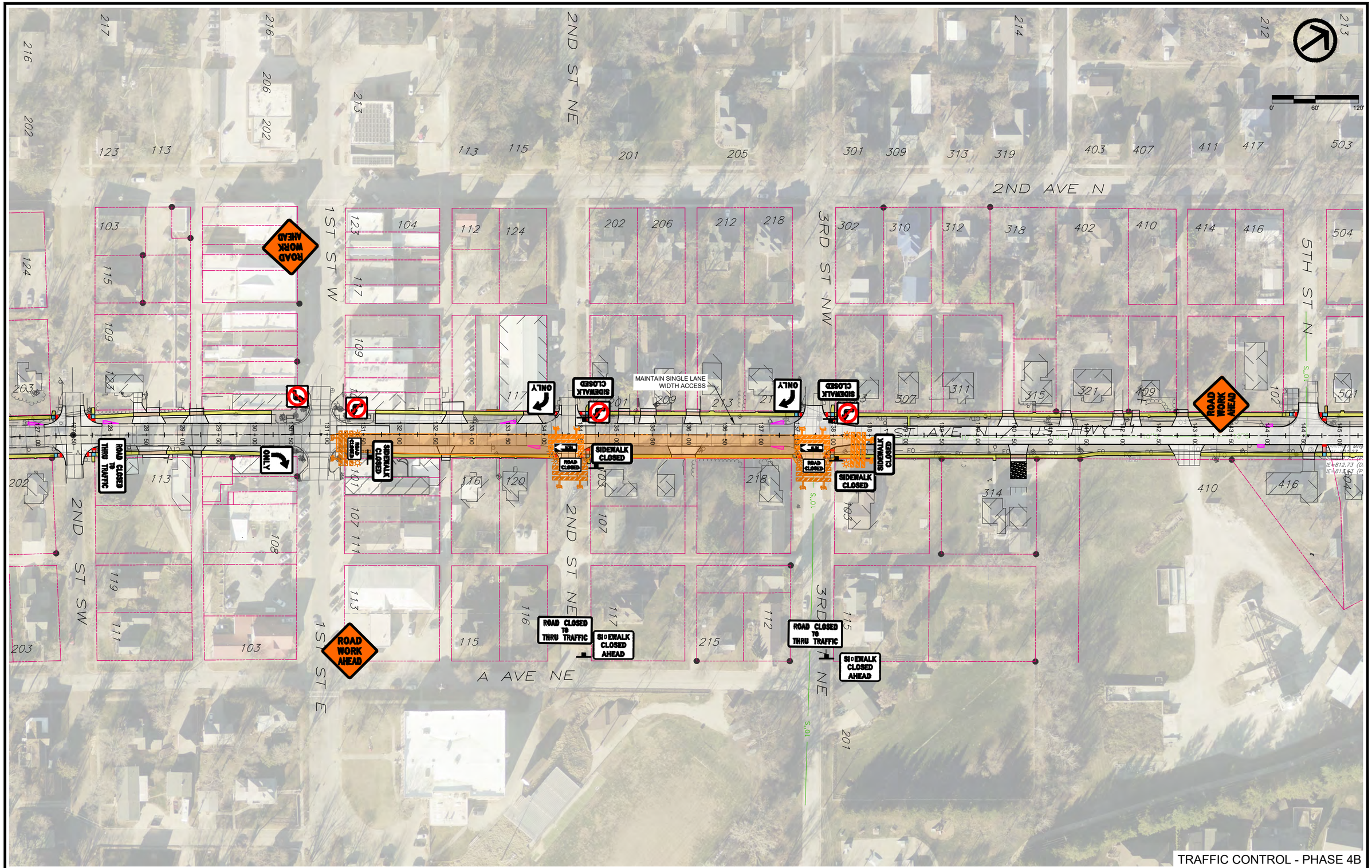


TRAFFIC CONTROL - PHASE 4A

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.10	

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TRAFFIC CONTROL - PHASE 4B

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.11	

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T NE

2ND AVE N

3RD ST NW

5TH ST N

1ST AVE N / US-HWY

2ND ST NE

3RD ST NE

A AVE NE

E K

SIDEWALK CLOSED AHEAD

SIDEWALK CLOSED

ROAD CLOSED

ROAD CLOSED TO THRU TRAFFIC

HAWKEYE READY-MIX

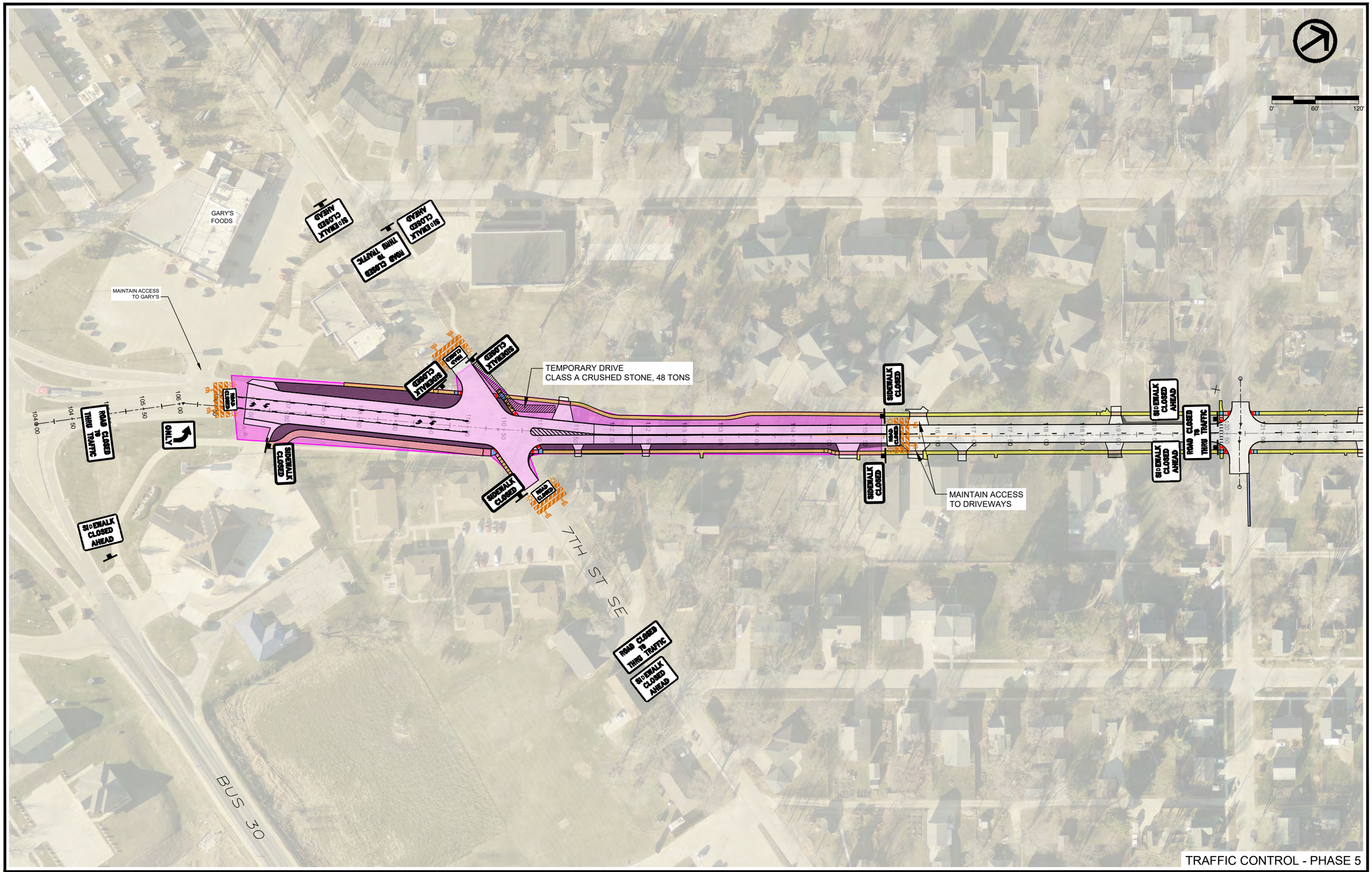
0' 50' 100'

TRAFFIC CONTROL - PHASE 4C

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.12	

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TRAFFIC CONTROL - PHASE 5

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.13	

PLOTTED: Friday, October 16, 2026 10:38:23 AM

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IT VERNON
IRE DEPT.

2ND AVE S

3RD ST SW

4TH ST SW

1ST AVE S

US HWY 1

7TH ST SE

A AVE SE

4 ST SE

3RD ST SE

SIDEWALK CLOSED AHEAD

ROAD CLOSED TO THRU TRAFFIC

SIDEWALK CLOSED

ROAD CLOSED

MAINTAIN ACCESS TO DRIVEWAY

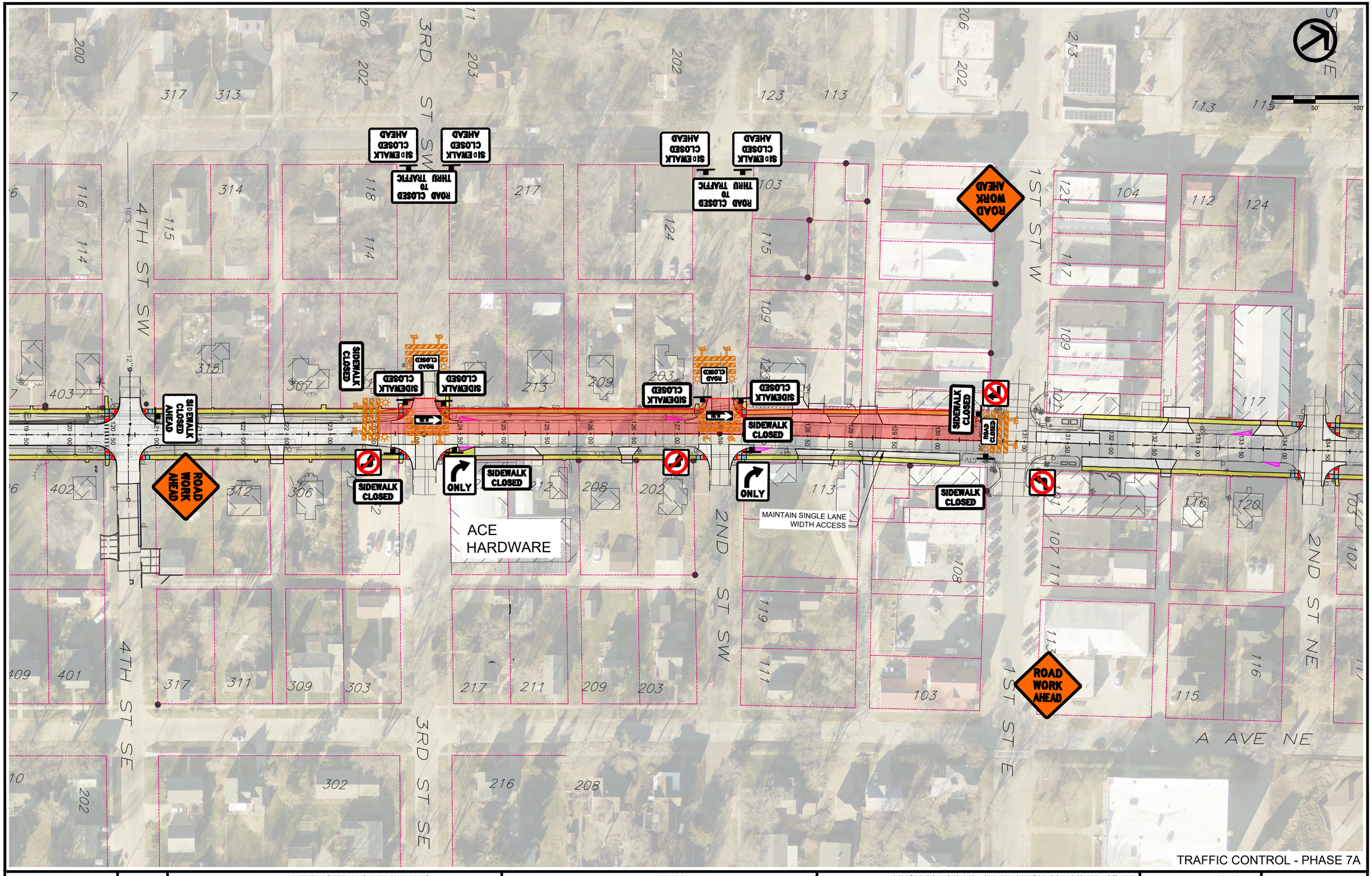
ACE HARDWARE

TRAFFIC CONTROL - PHASE 6

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.14

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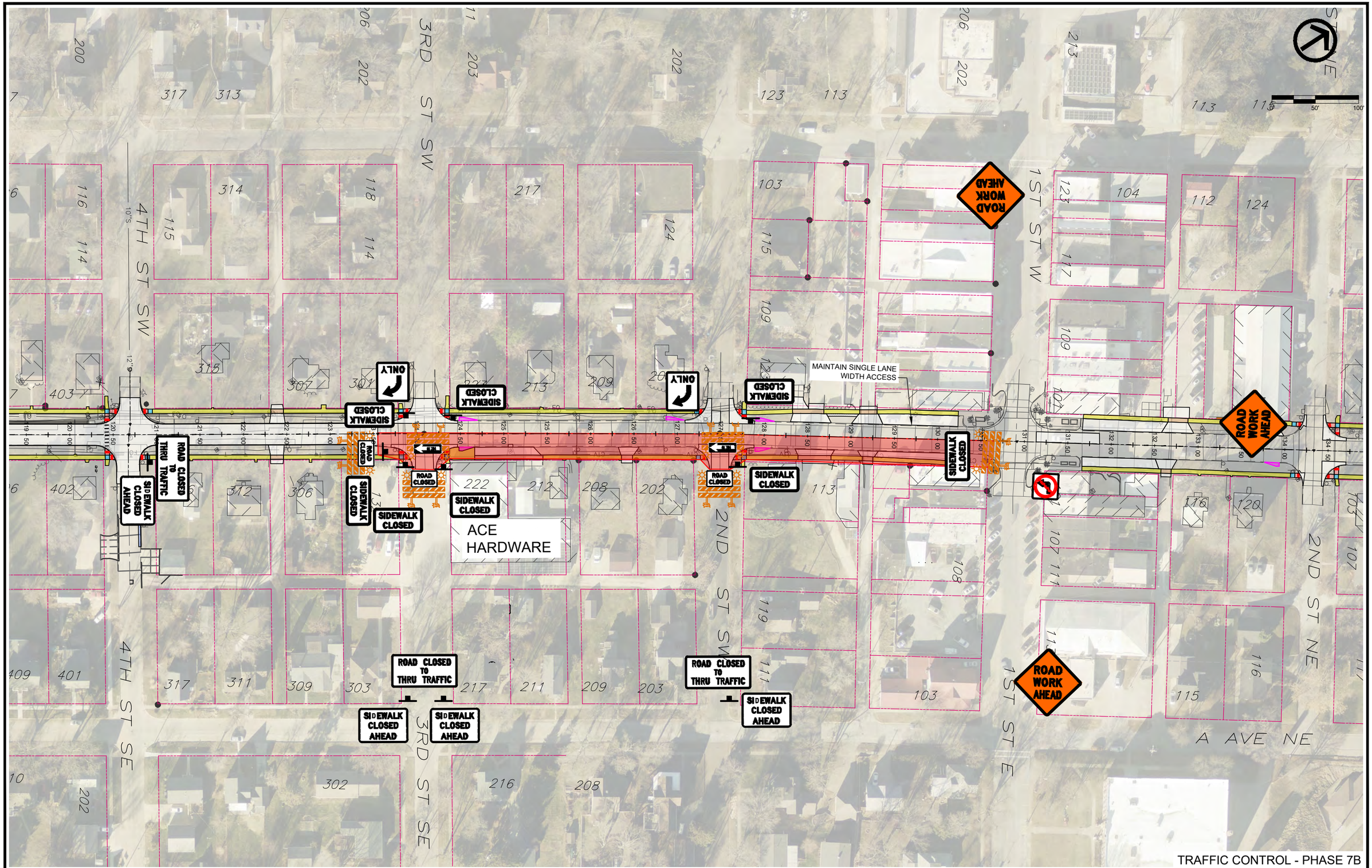
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TRAFFIC CONTROL - PHASE 7A

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.15

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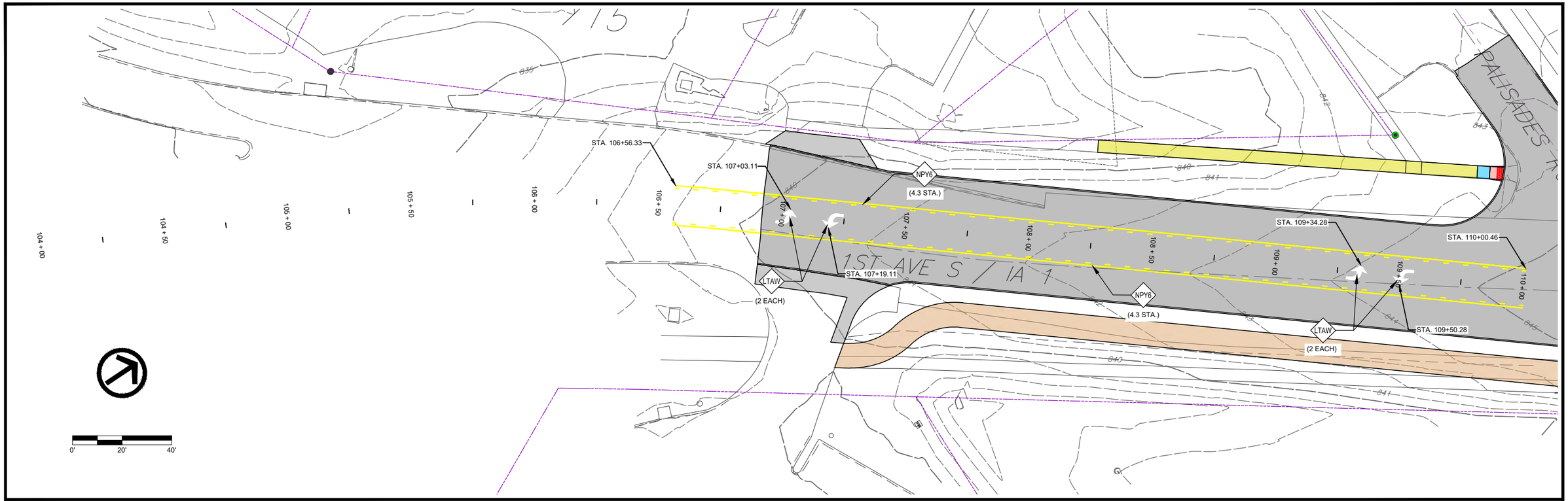


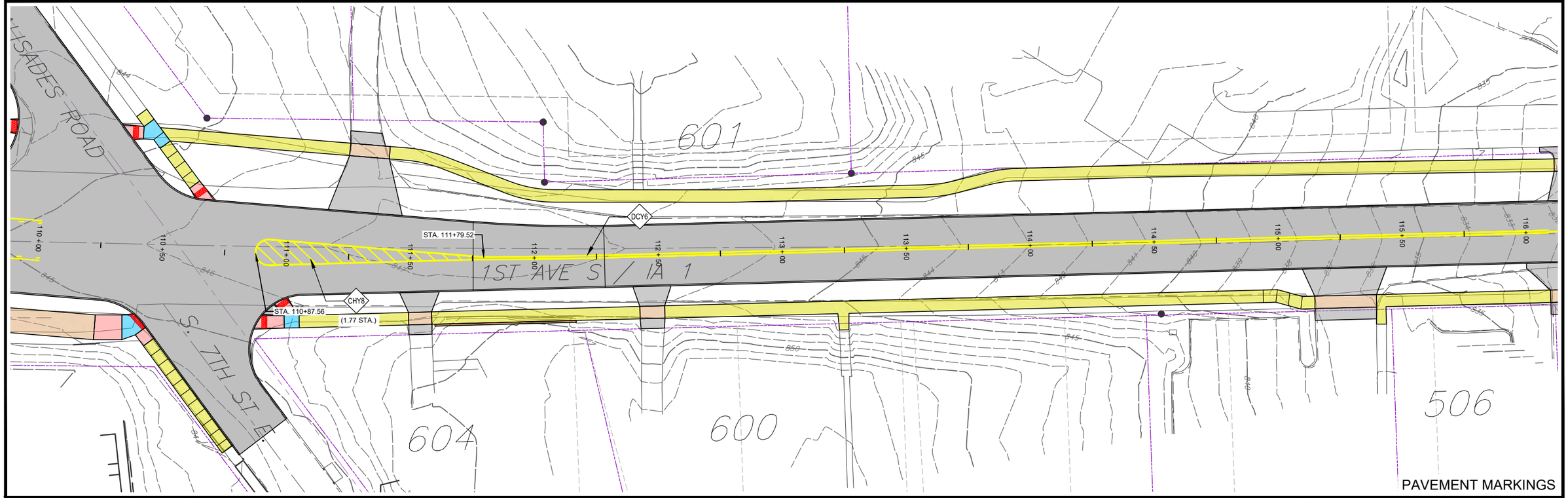
TRAFFIC CONTROL - PHASE 7B

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	J.16	

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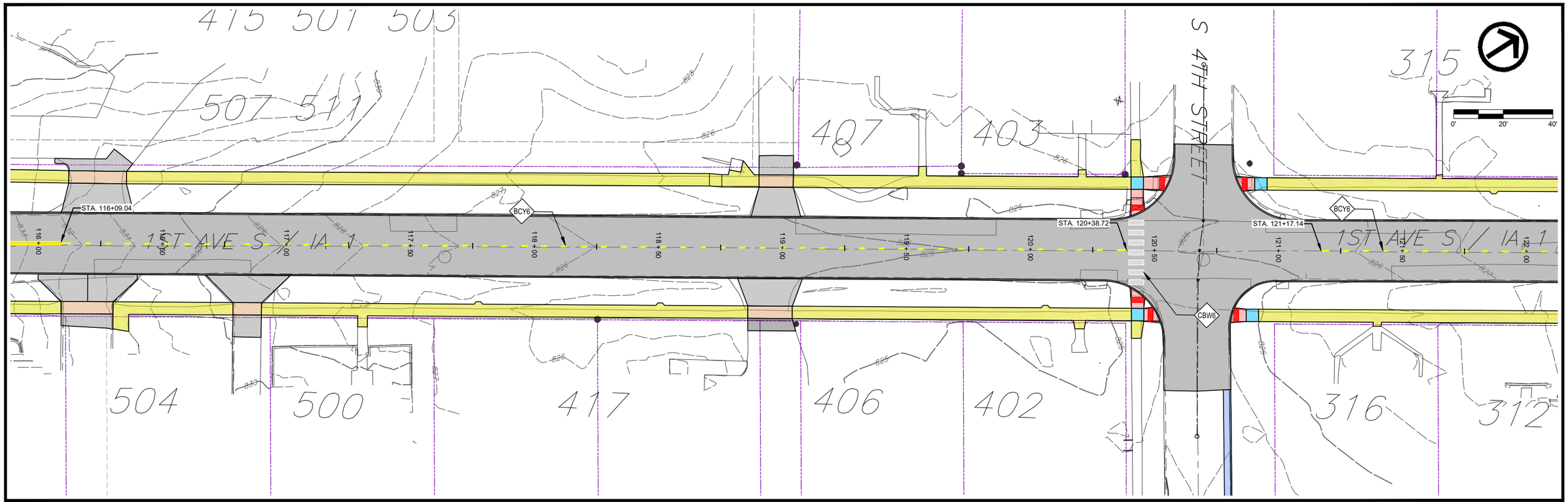


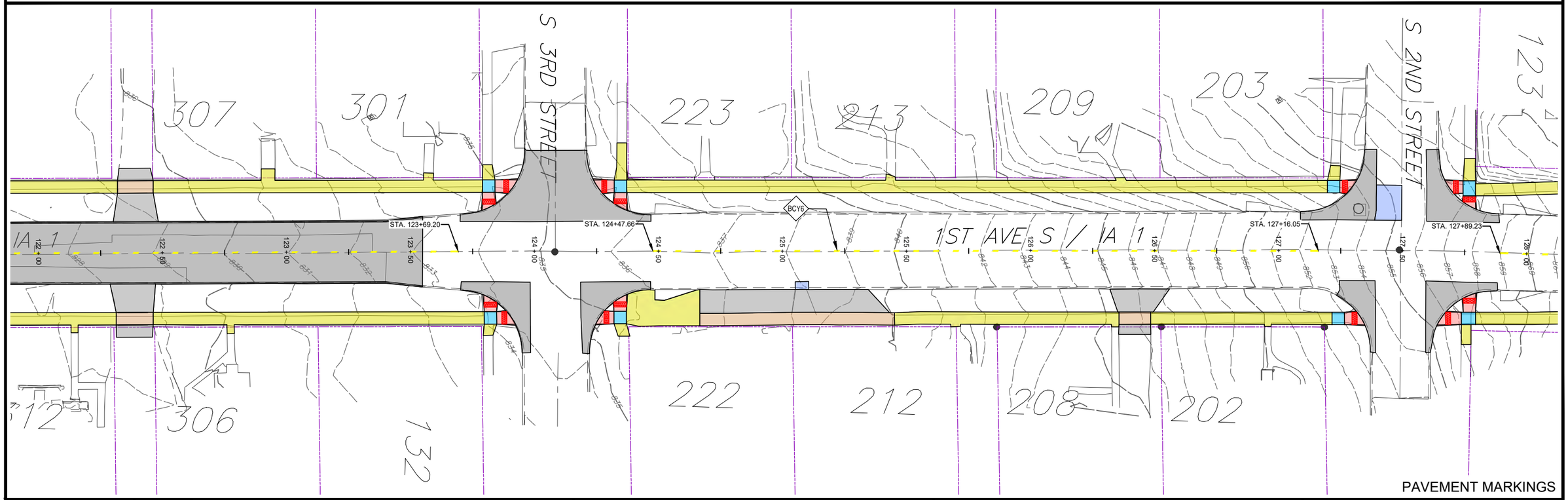
PAVEMENT MARKINGS

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	K.01	

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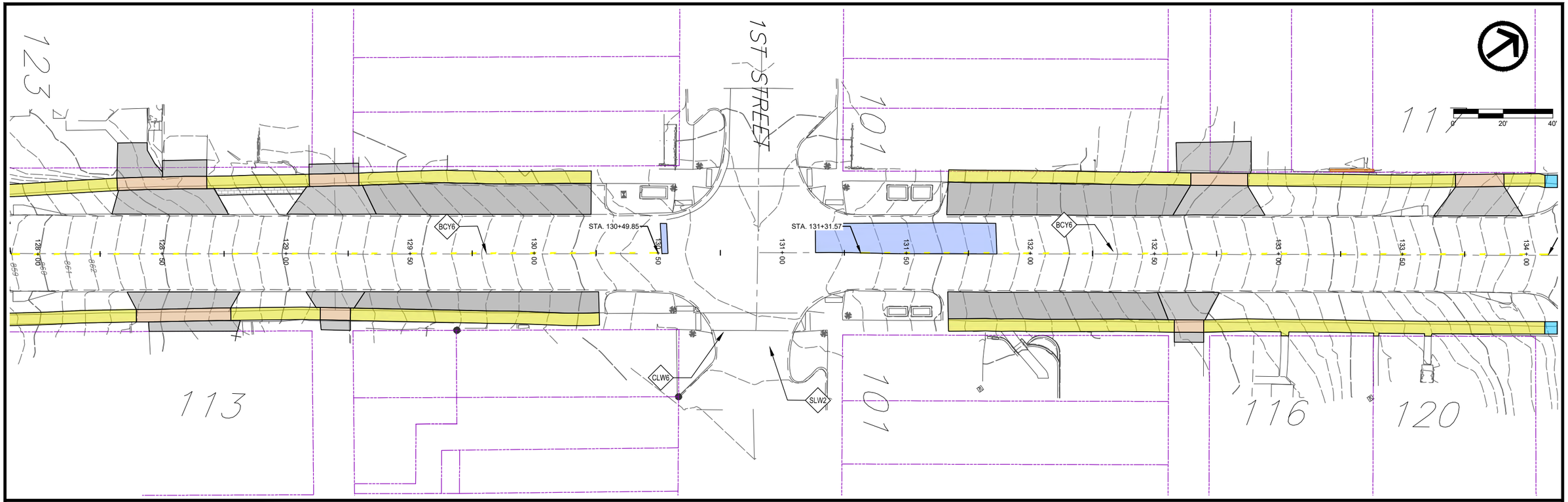


PAVEMENT MARKINGS

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	K.02	

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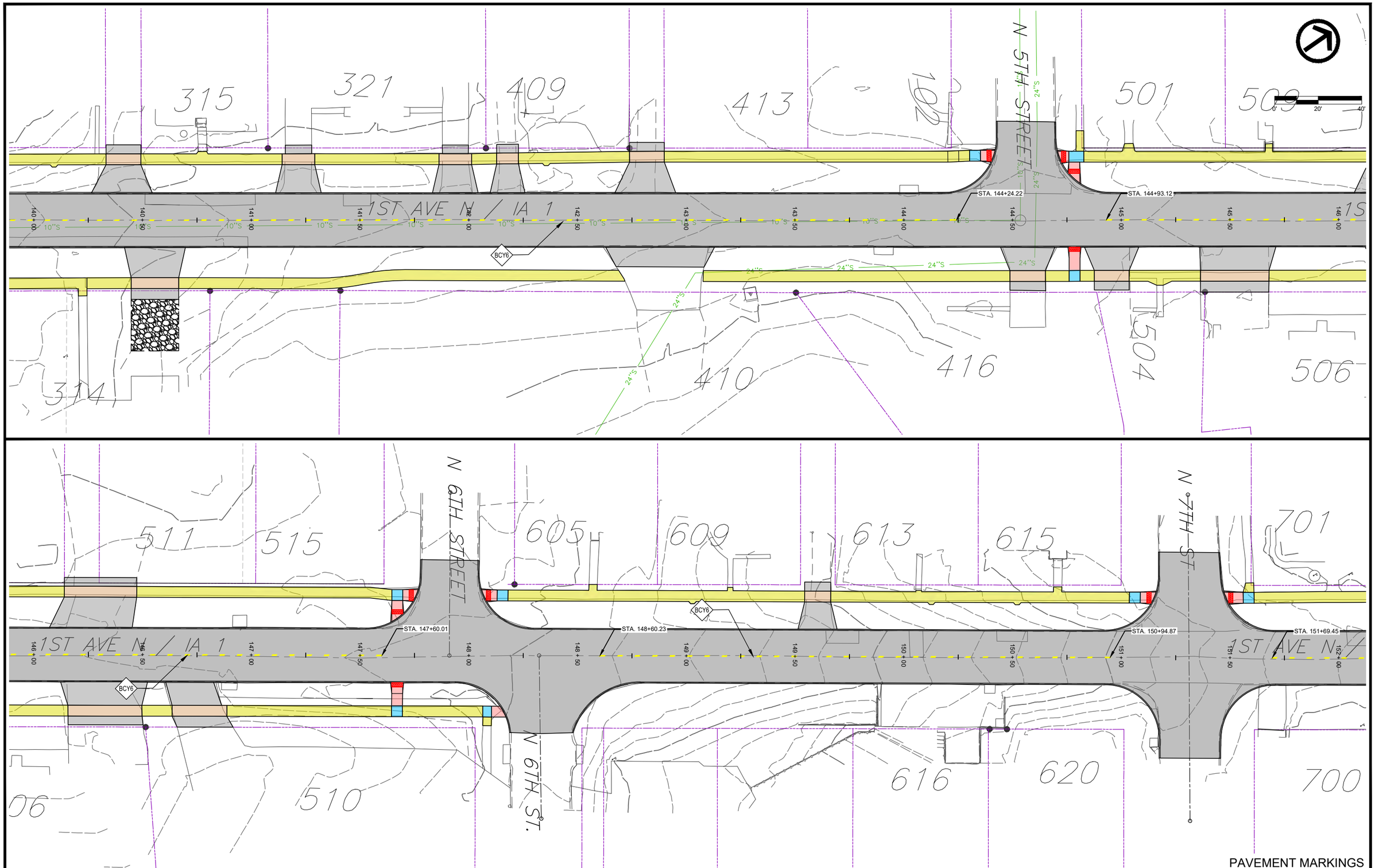
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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	K.03	

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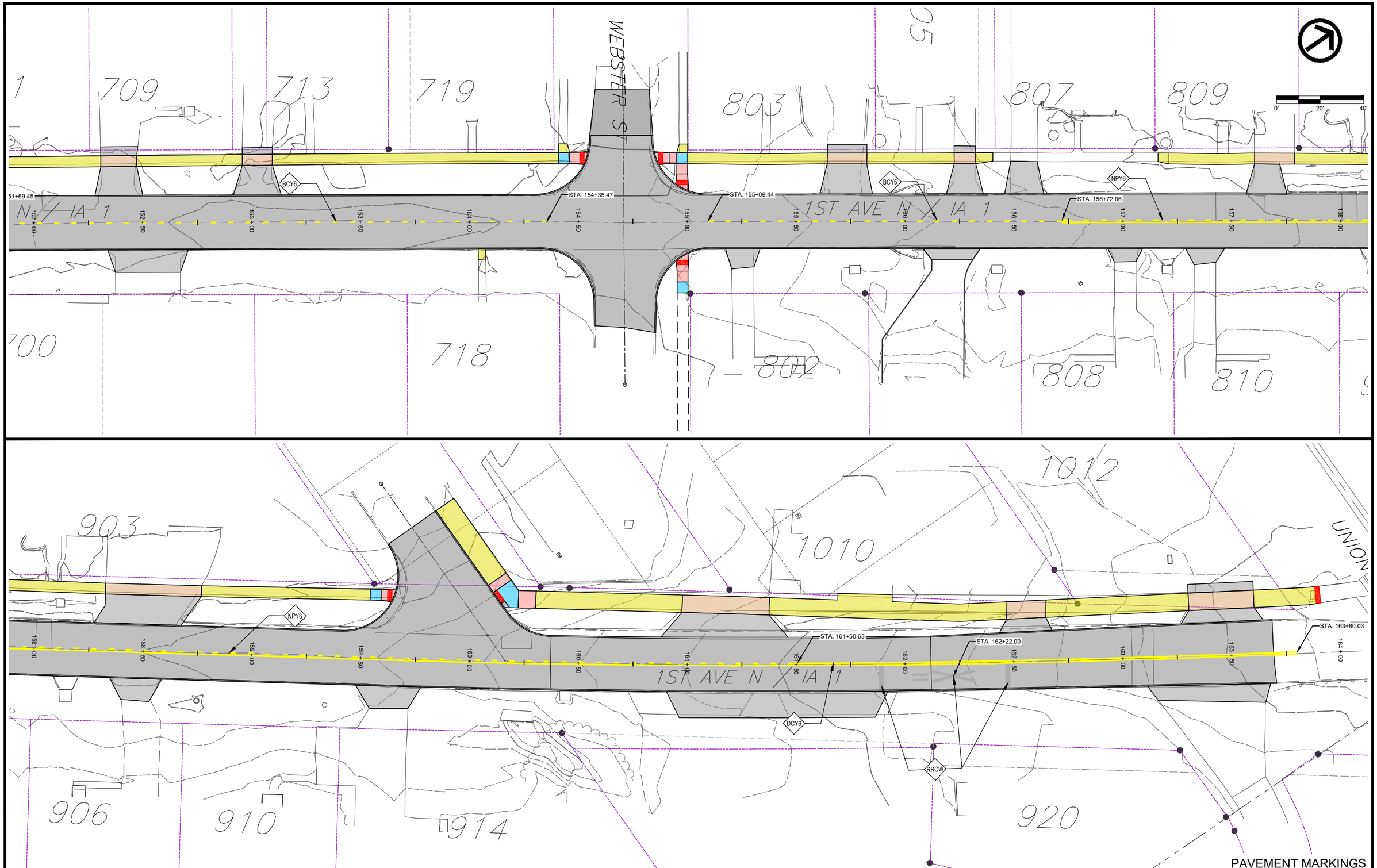


PAVEMENT MARKINGS

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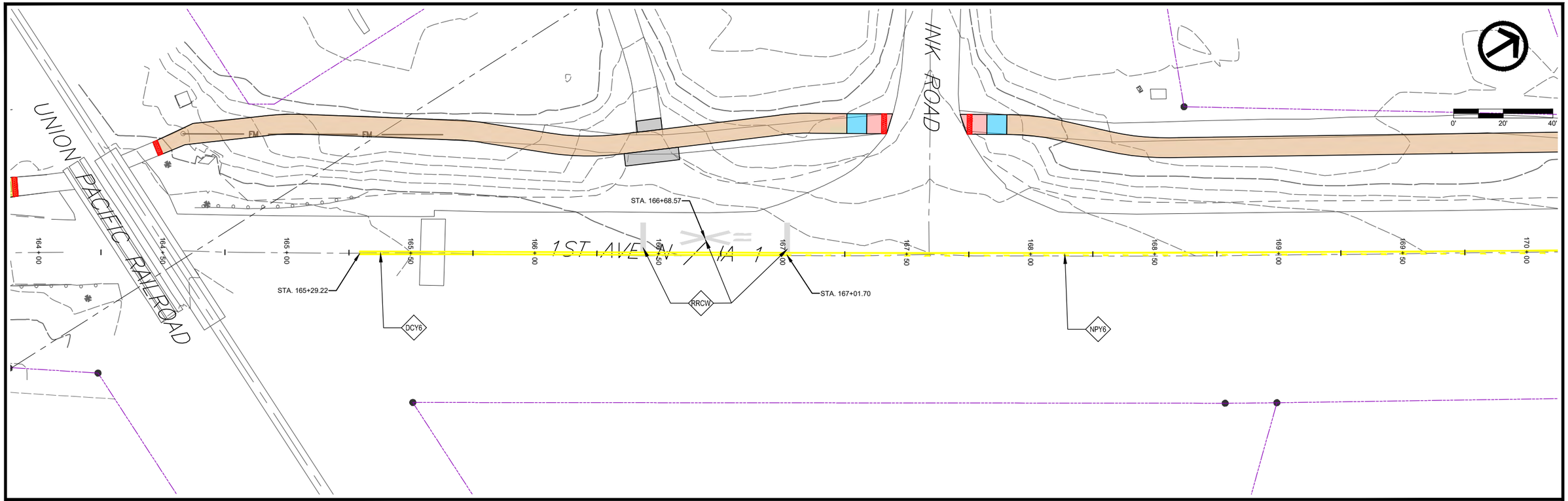


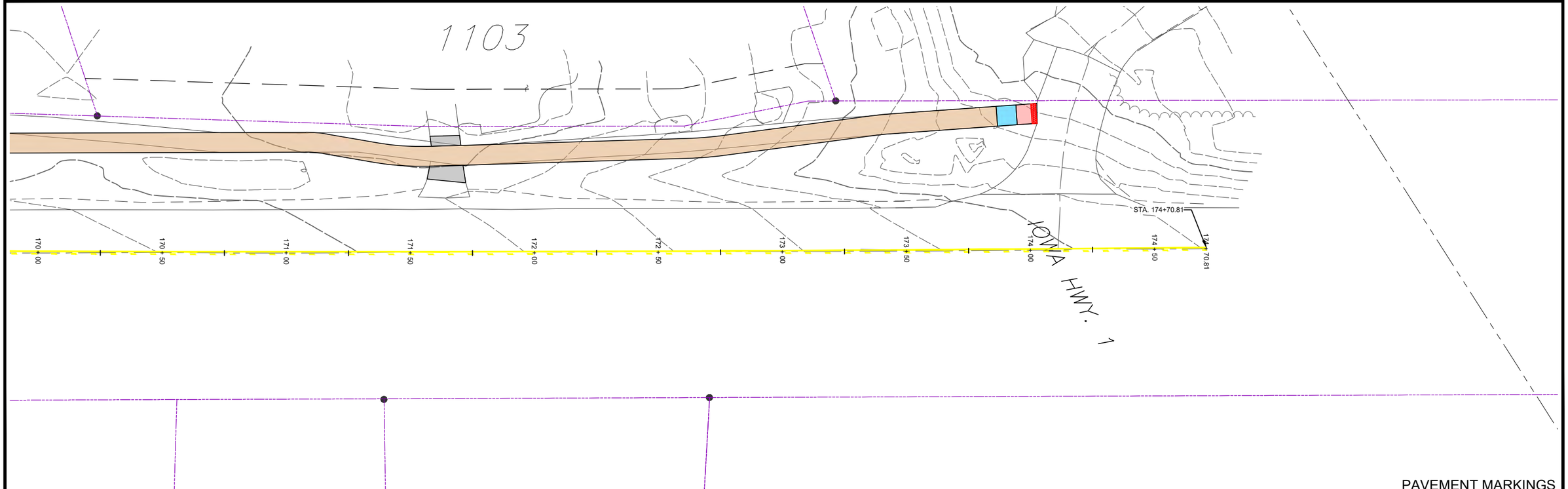
PAVEMENT MARKINGS

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	K.05

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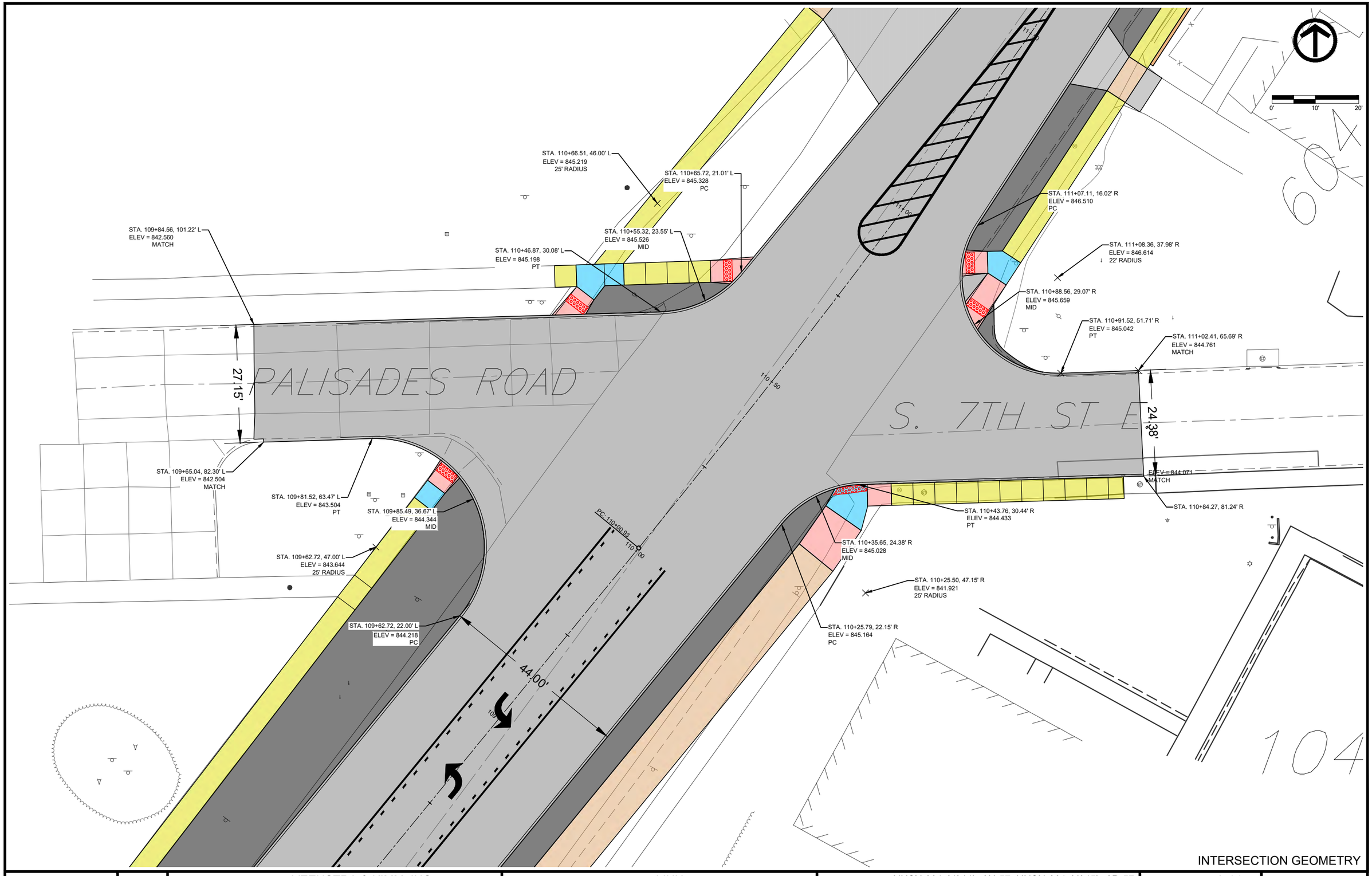


PAVEMENT MARKINGS

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	K.06

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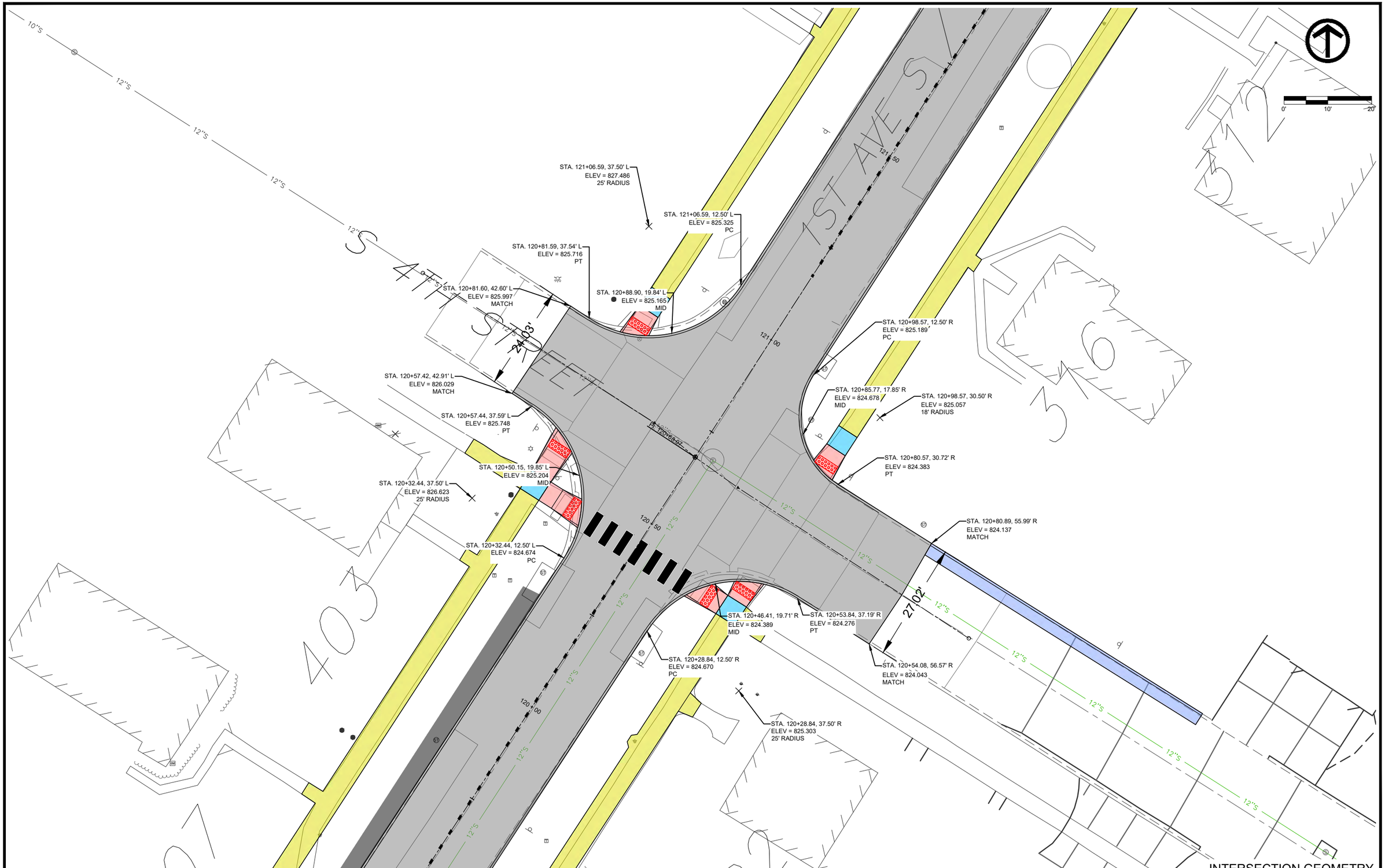


INTERSECTION GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.01

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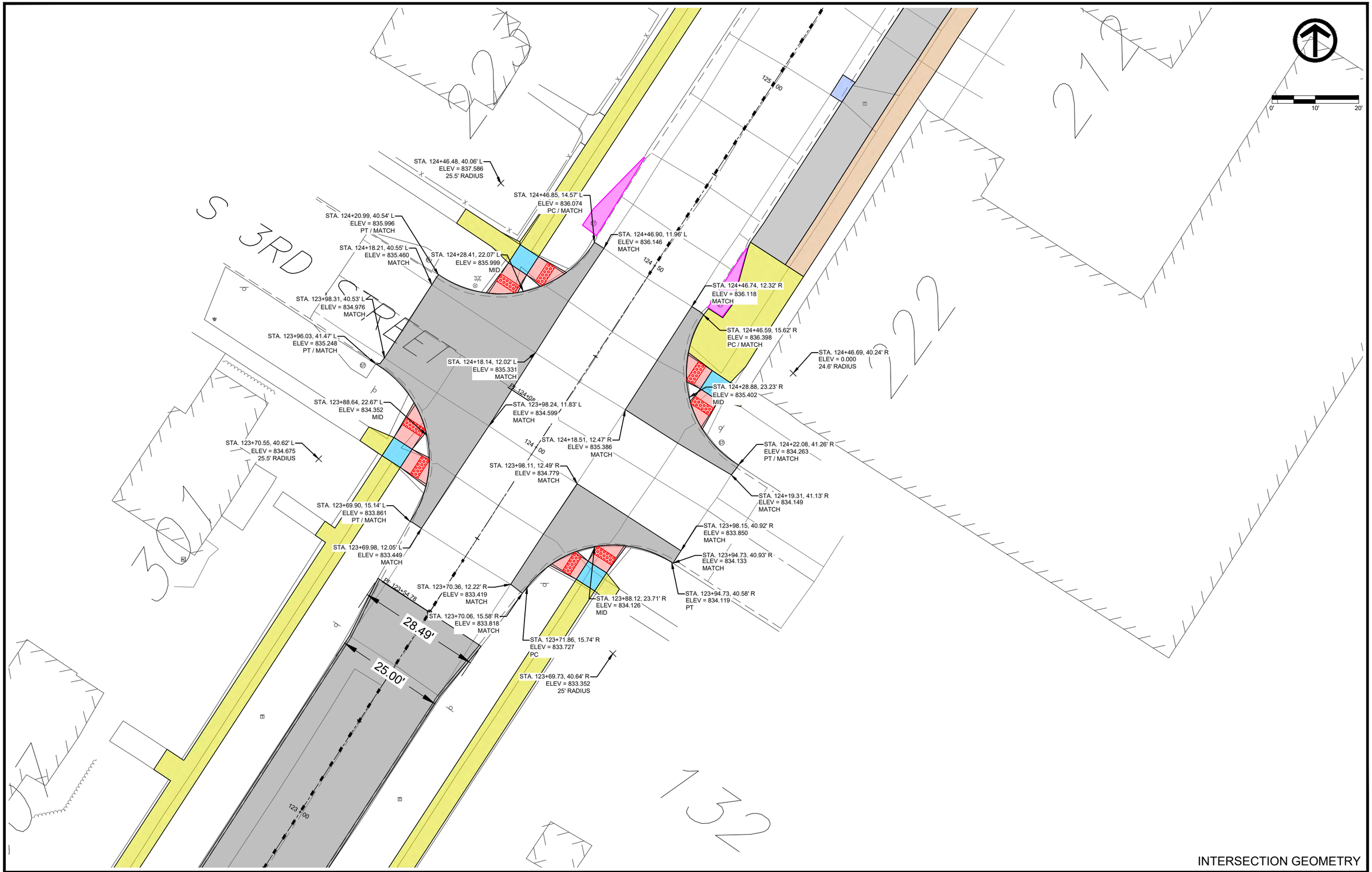


INTERSECTION GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.02	

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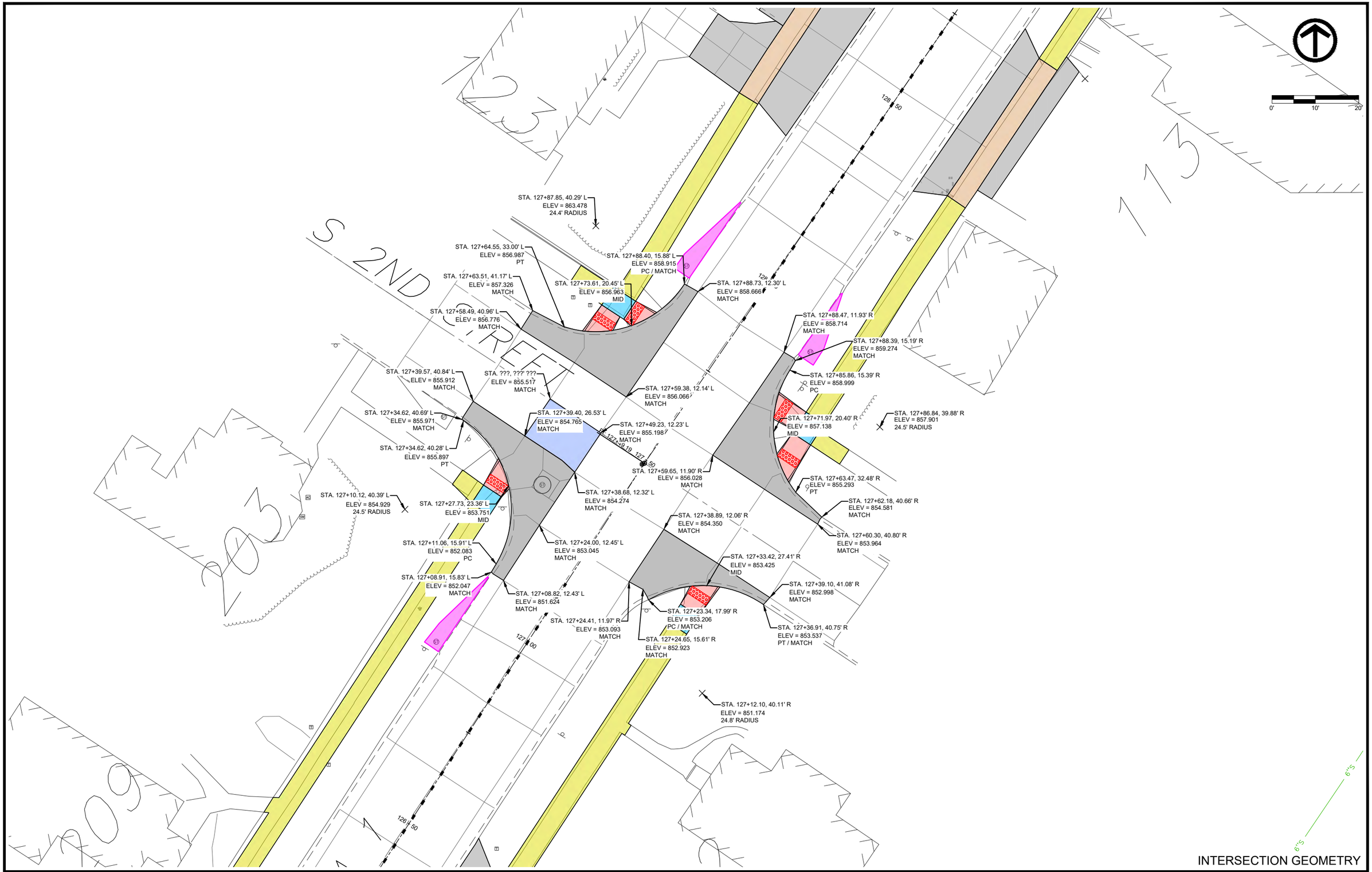


INTERSECTION GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.03	

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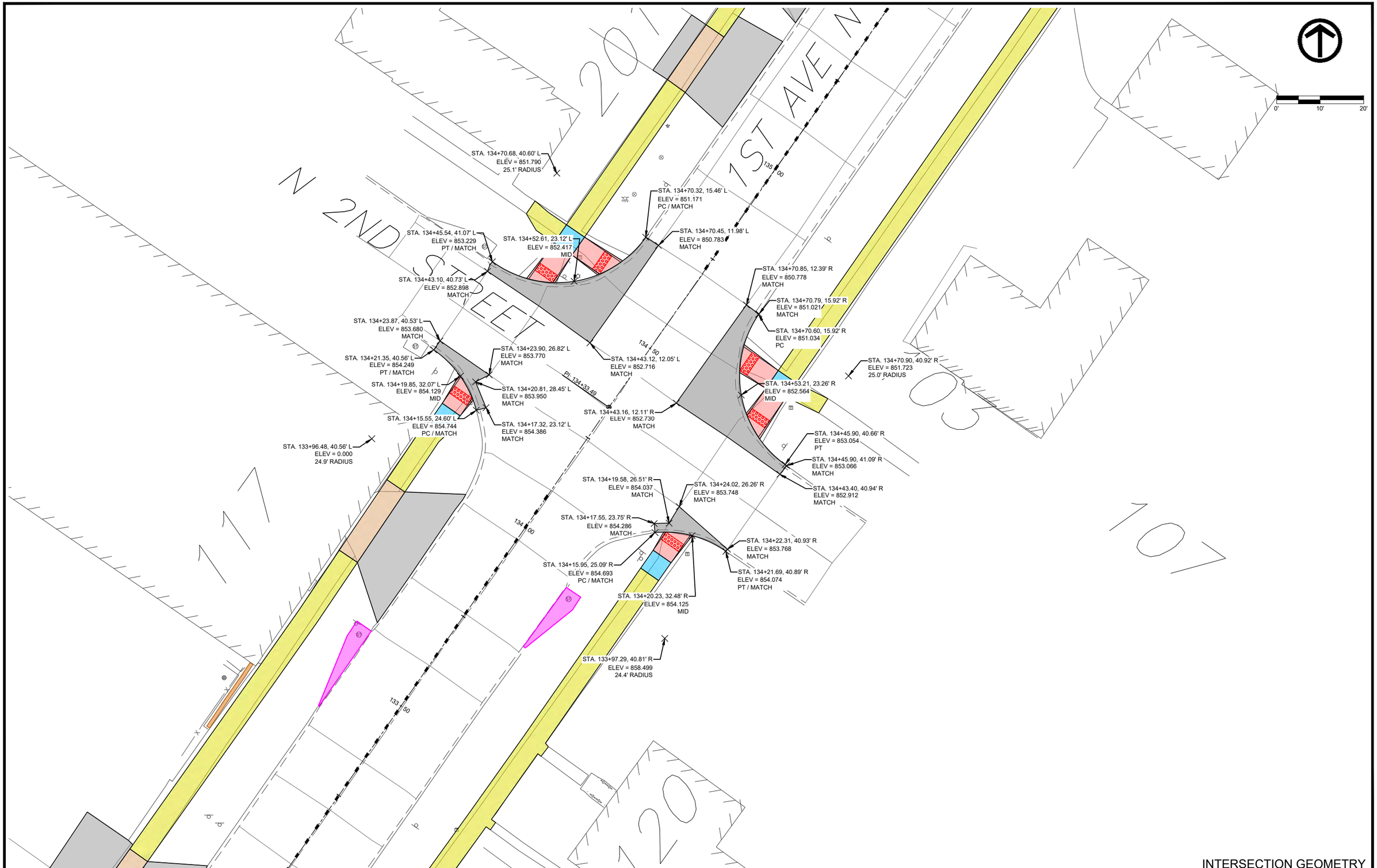


INTERSECTION GEOMETRY

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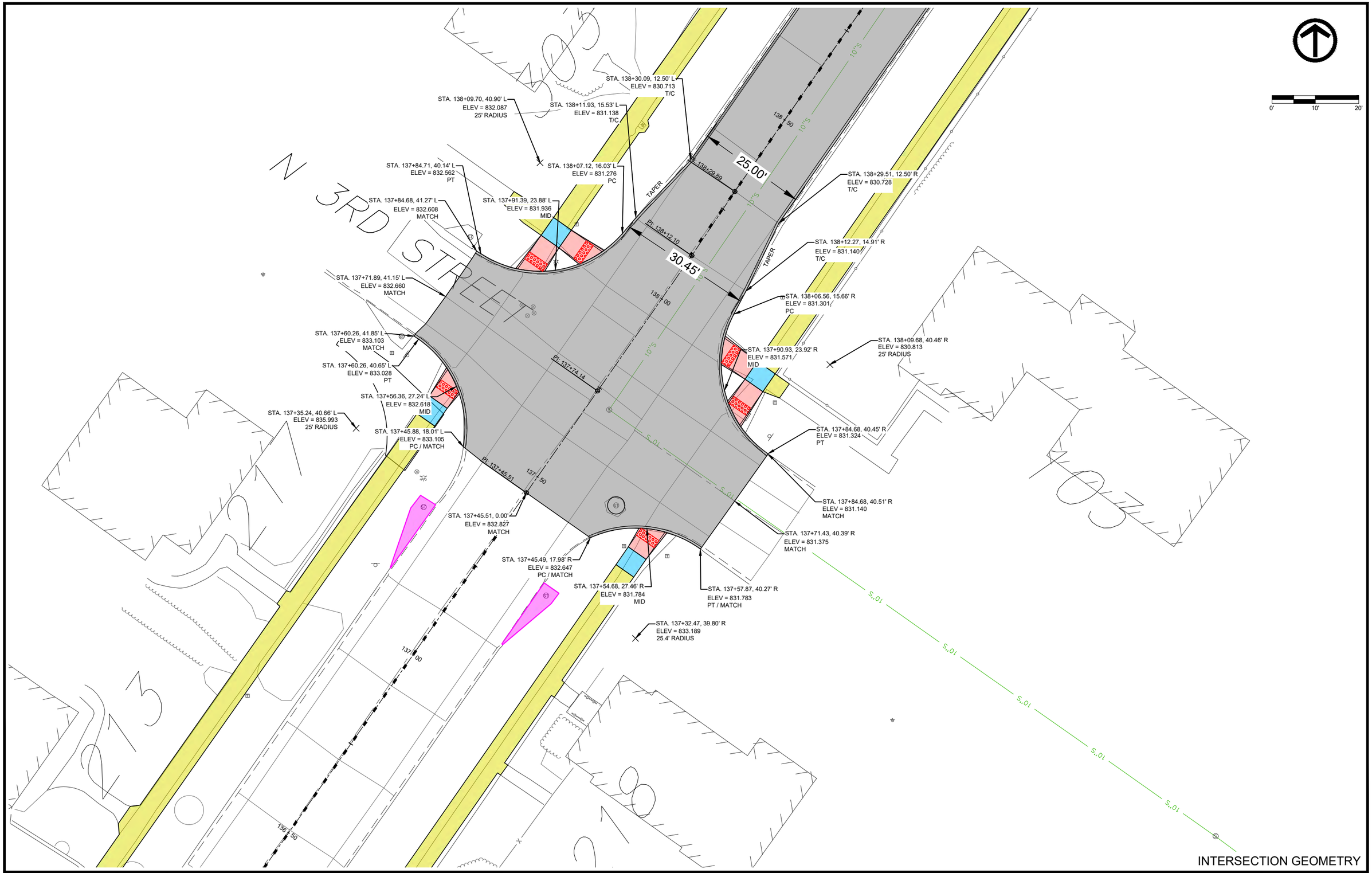


INTERSECTION GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.05	

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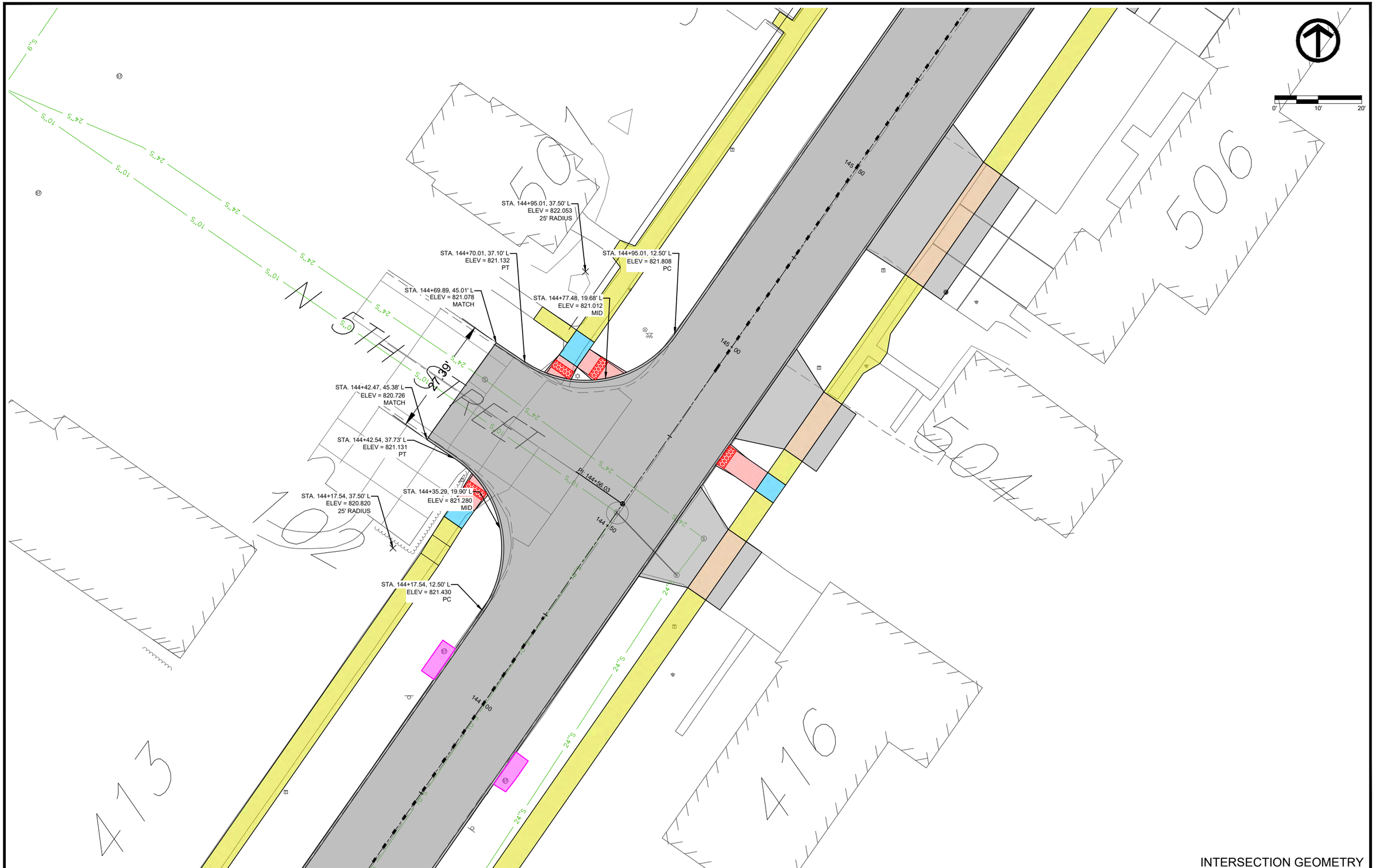


INTERSECTION GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.06	

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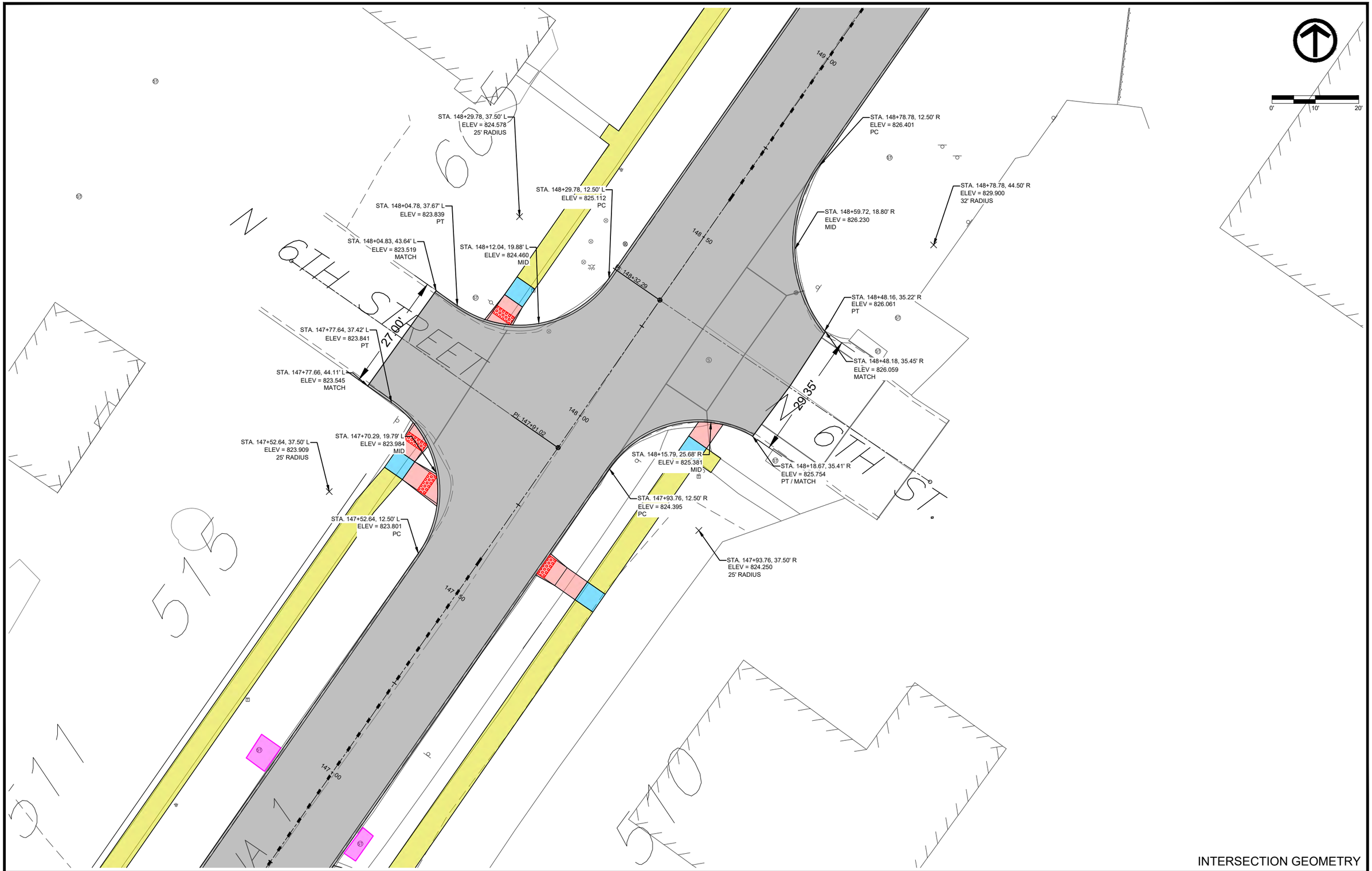


INTERSECTION GEOMETRY

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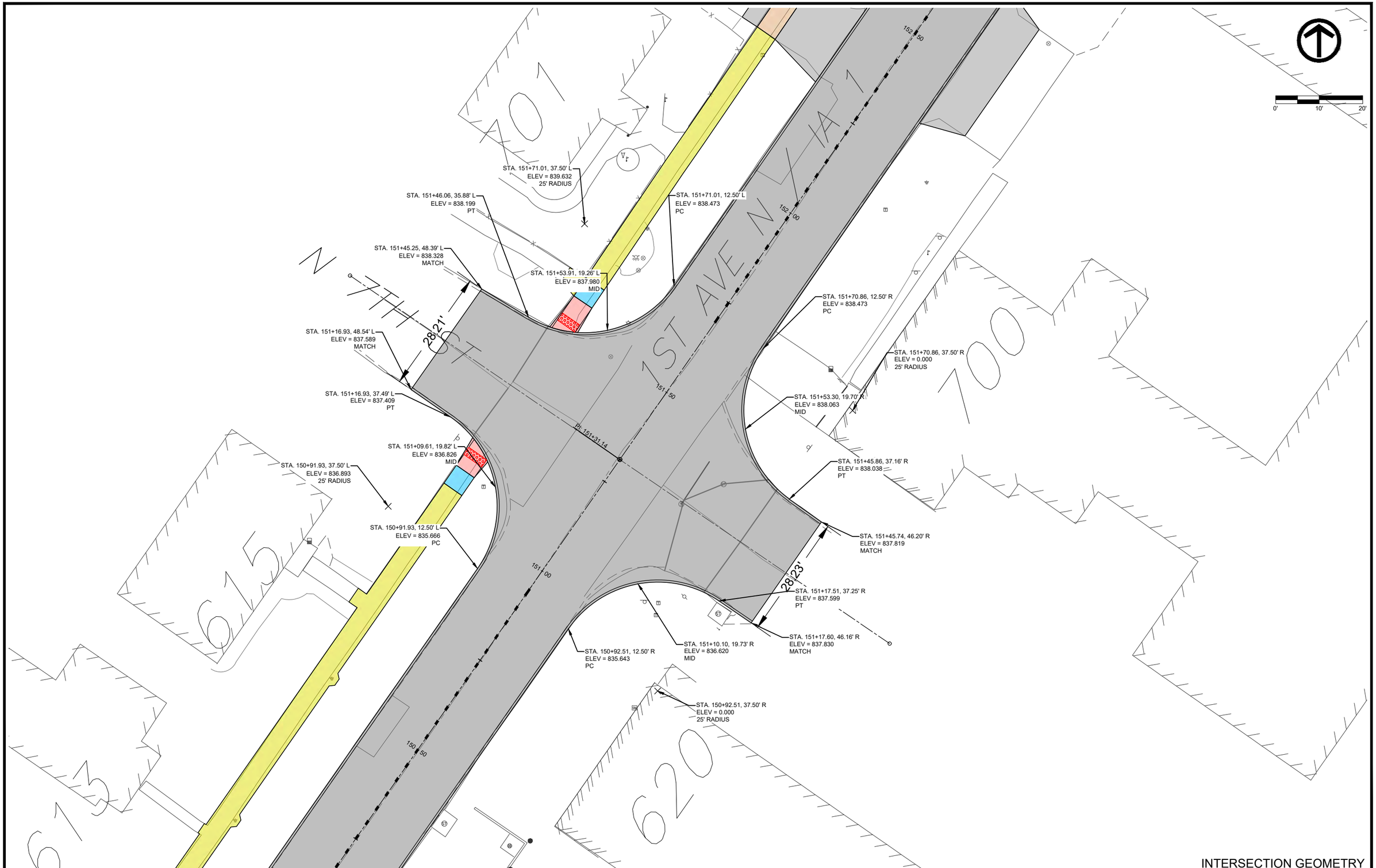


INTERSECTION GEOMETRY

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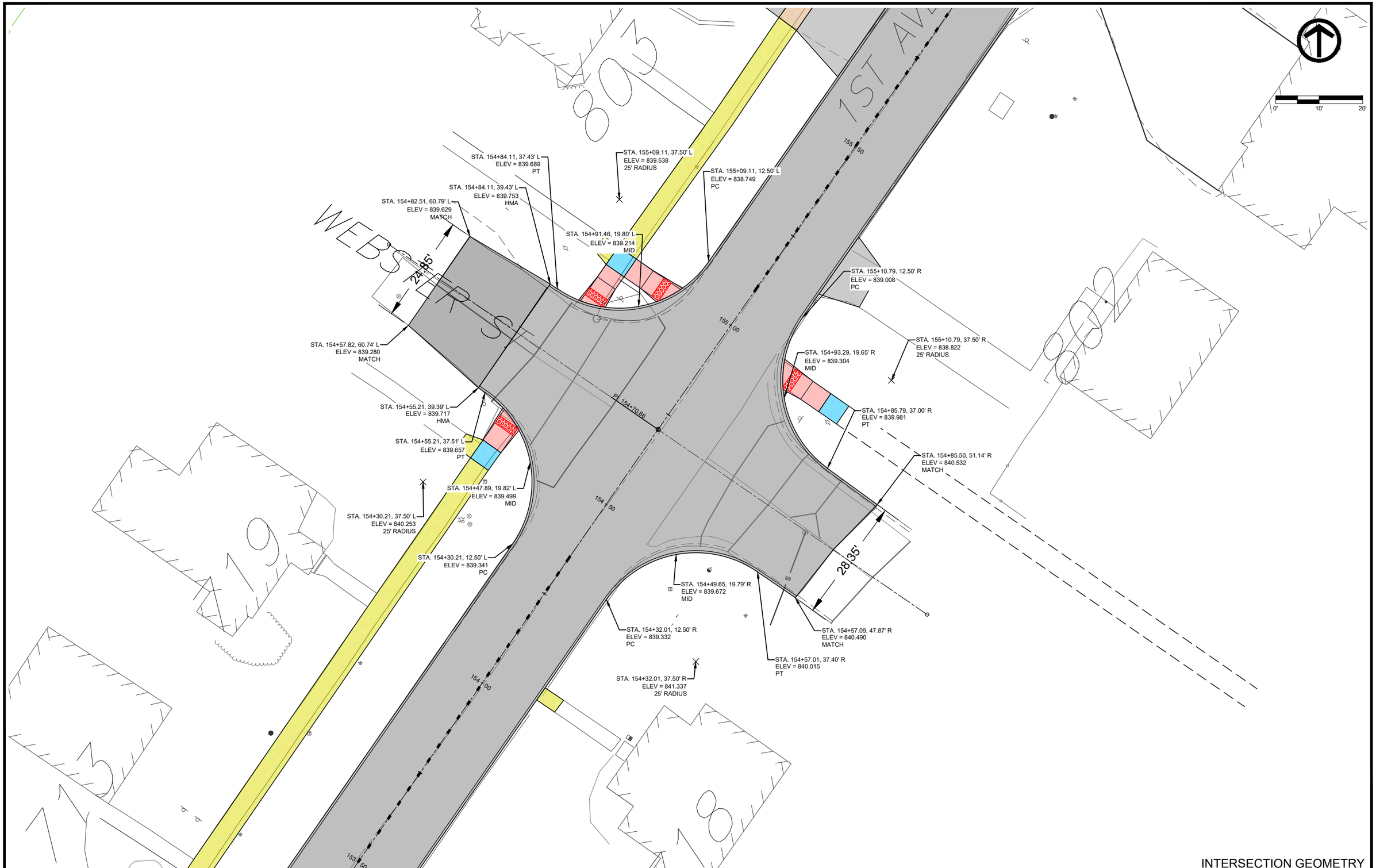


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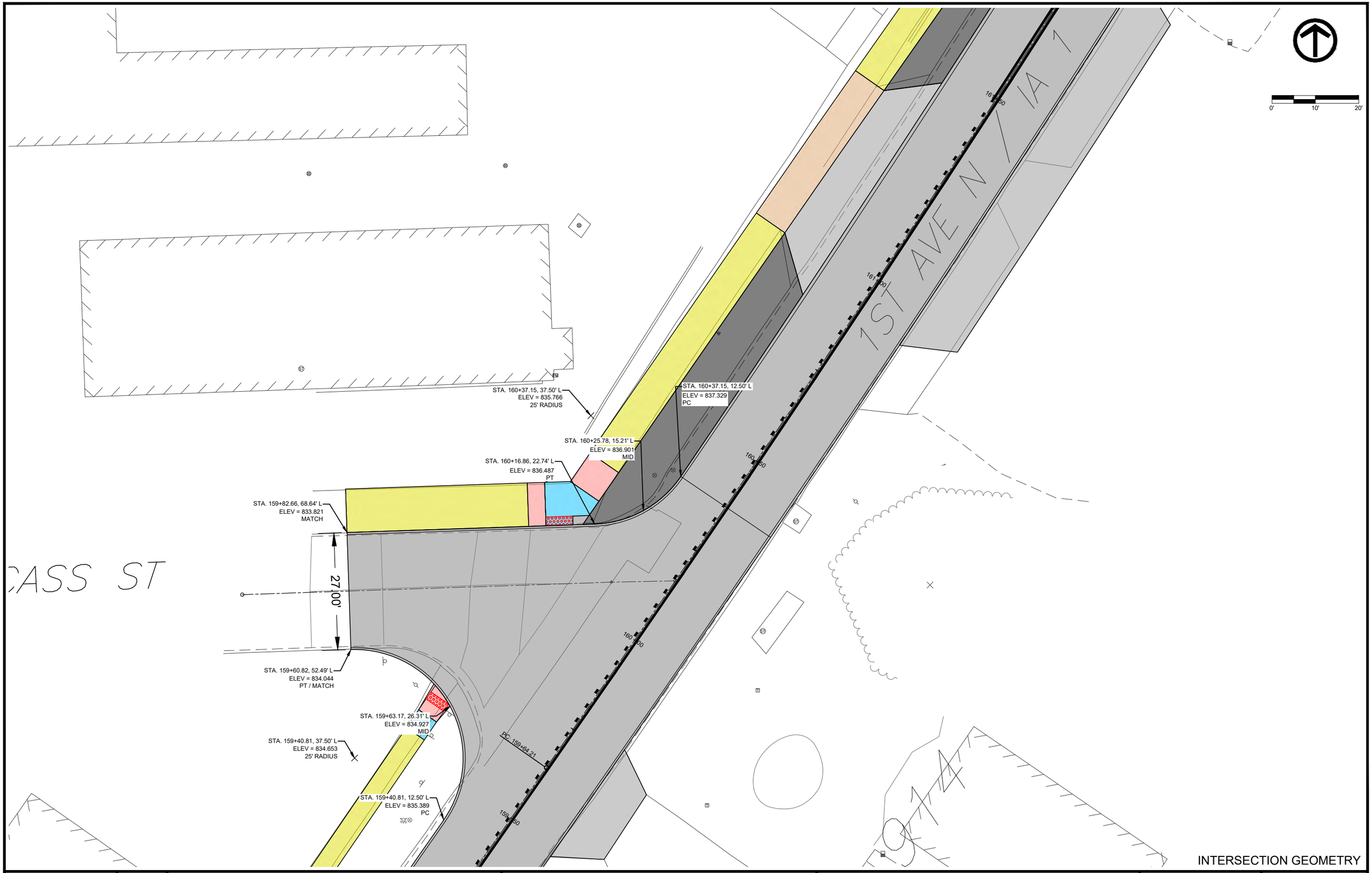


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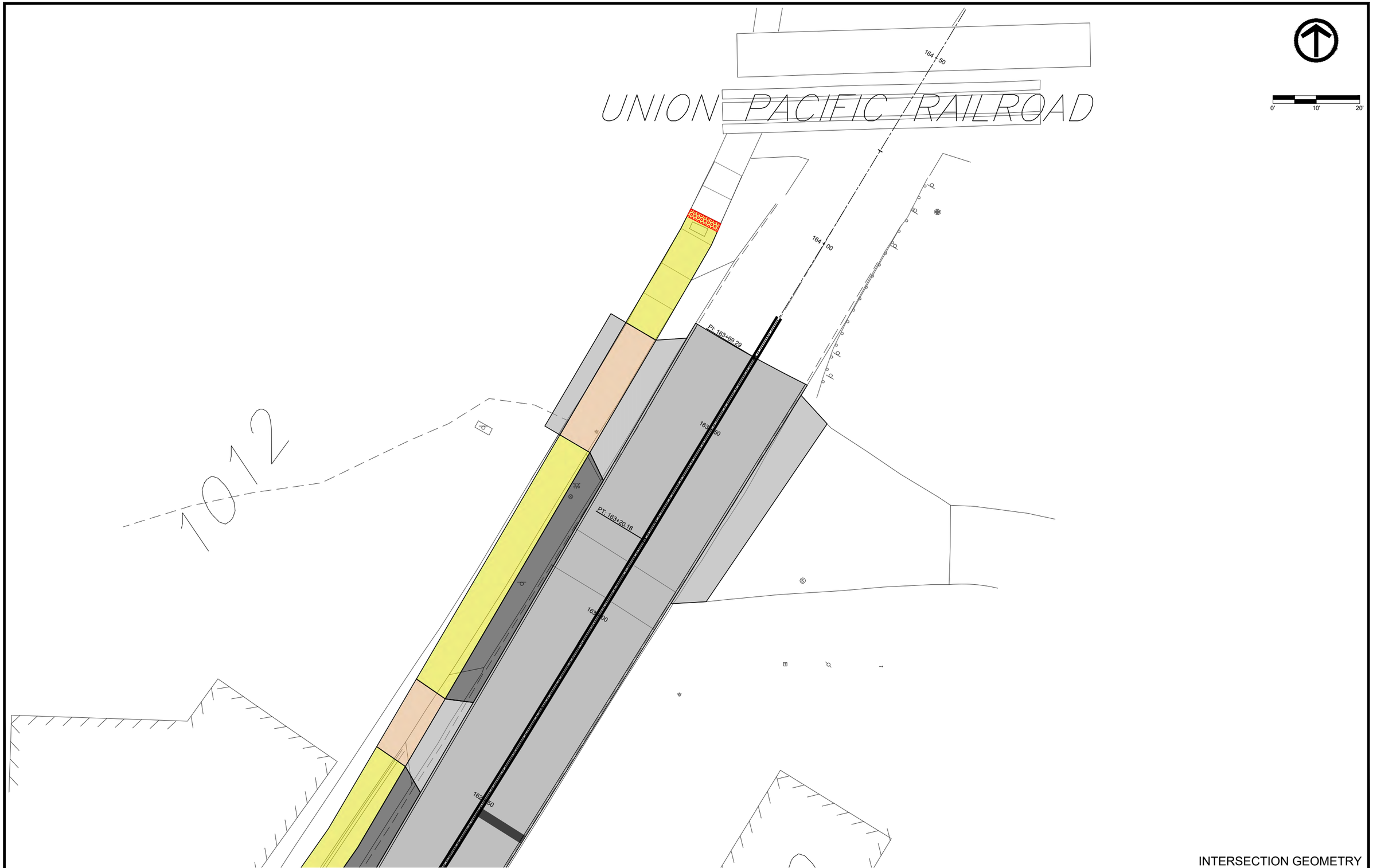


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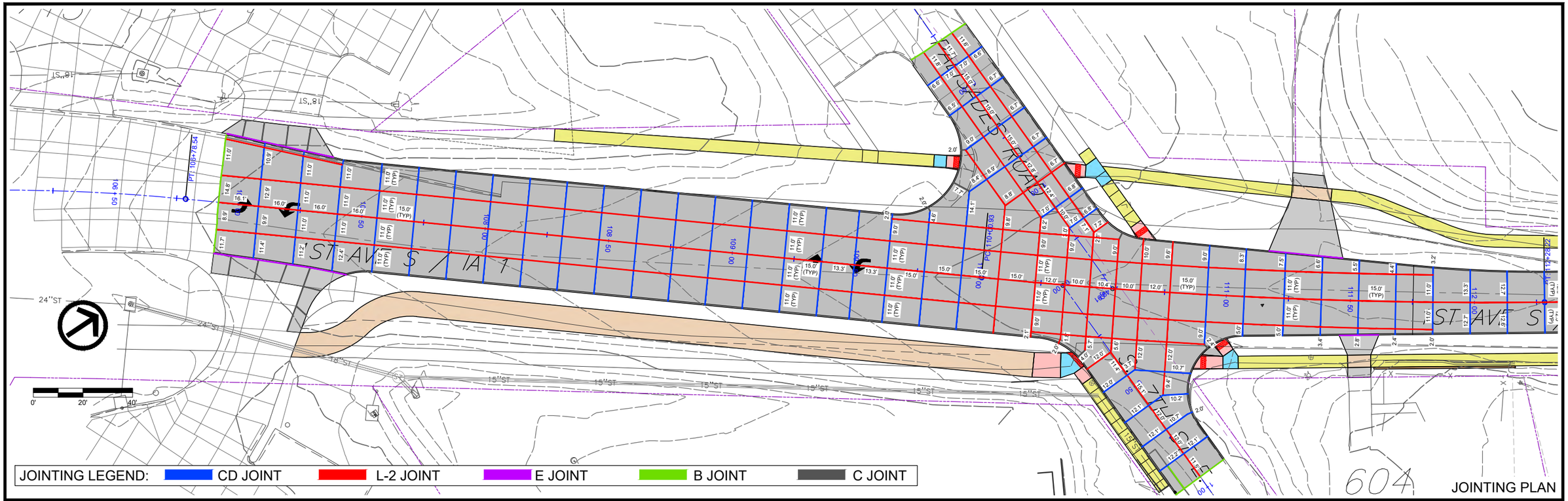


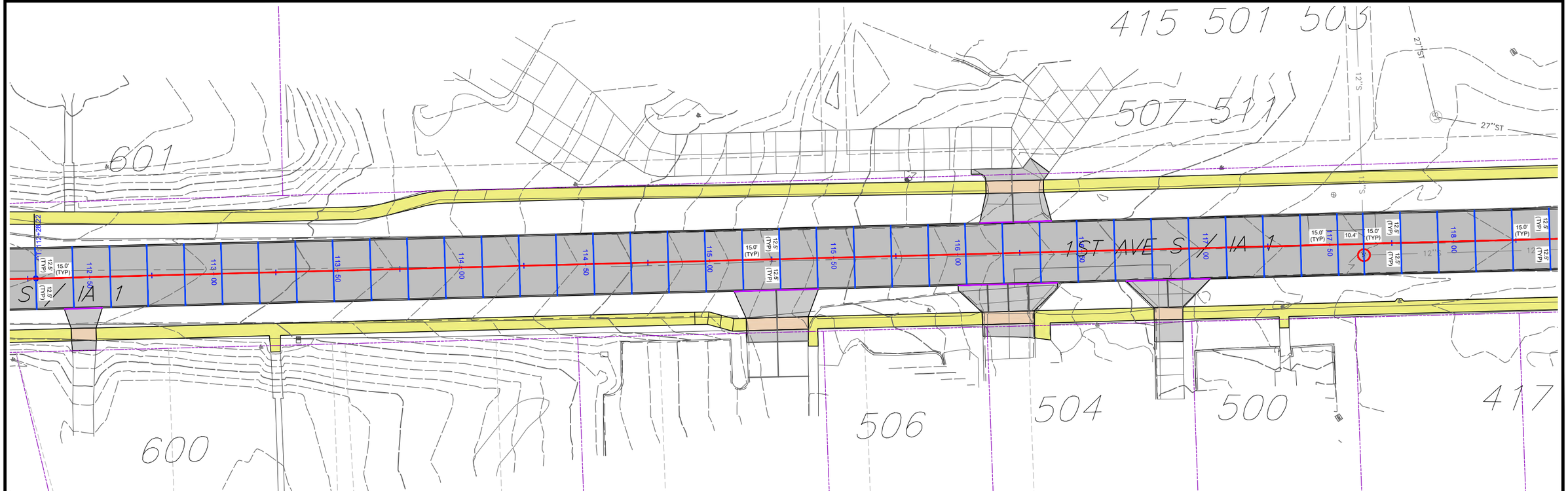
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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.12	

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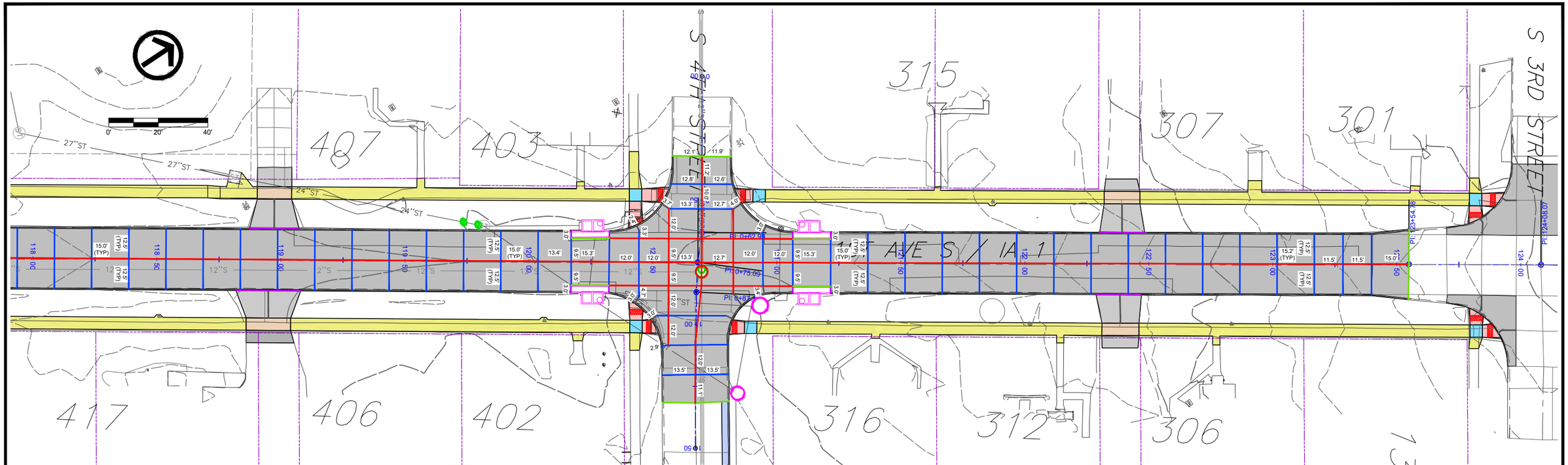




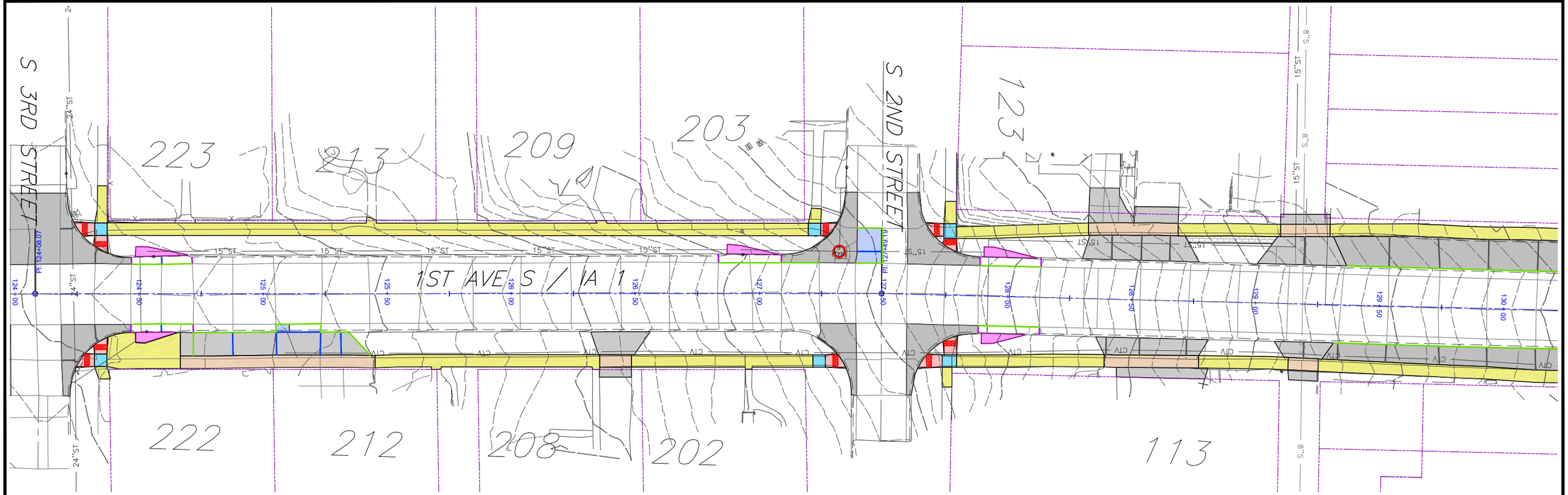
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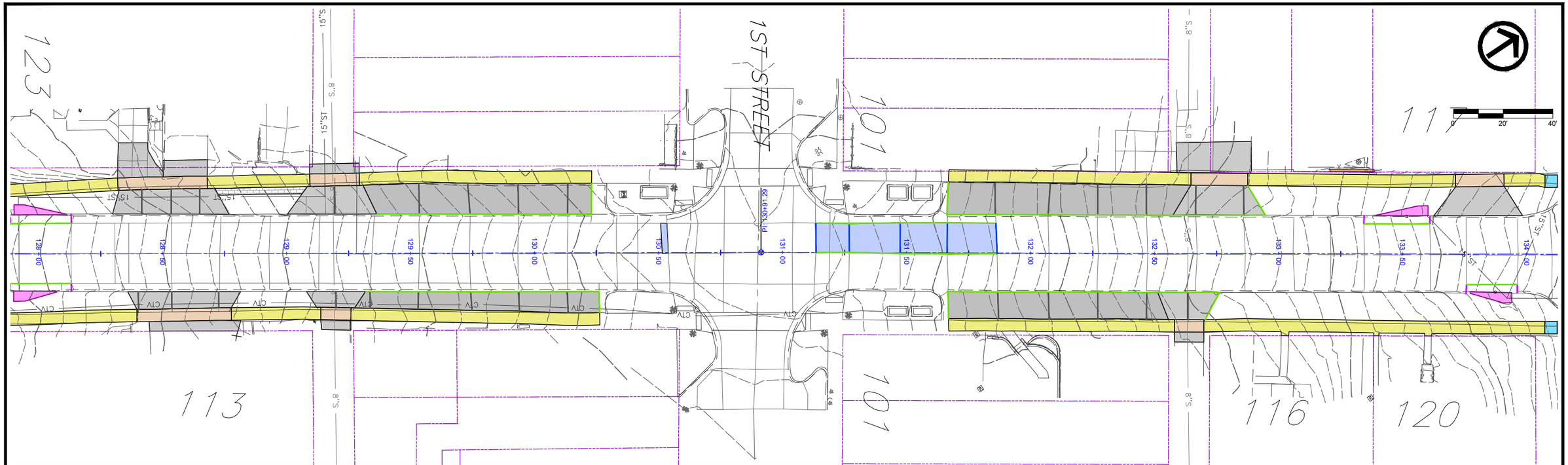
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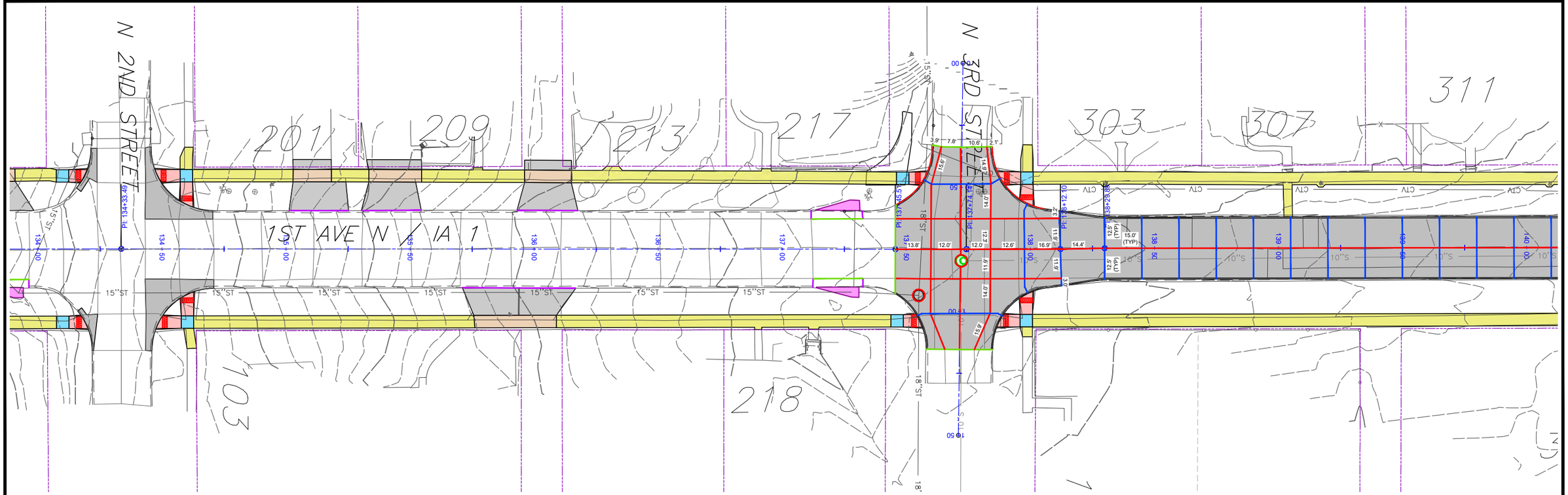
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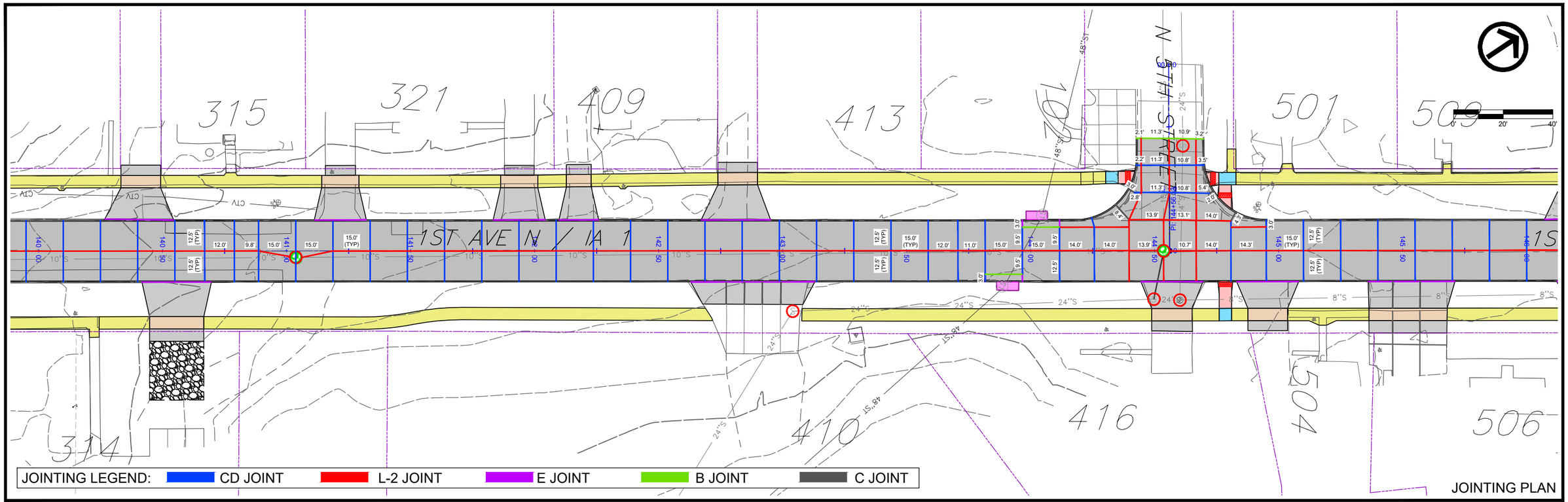
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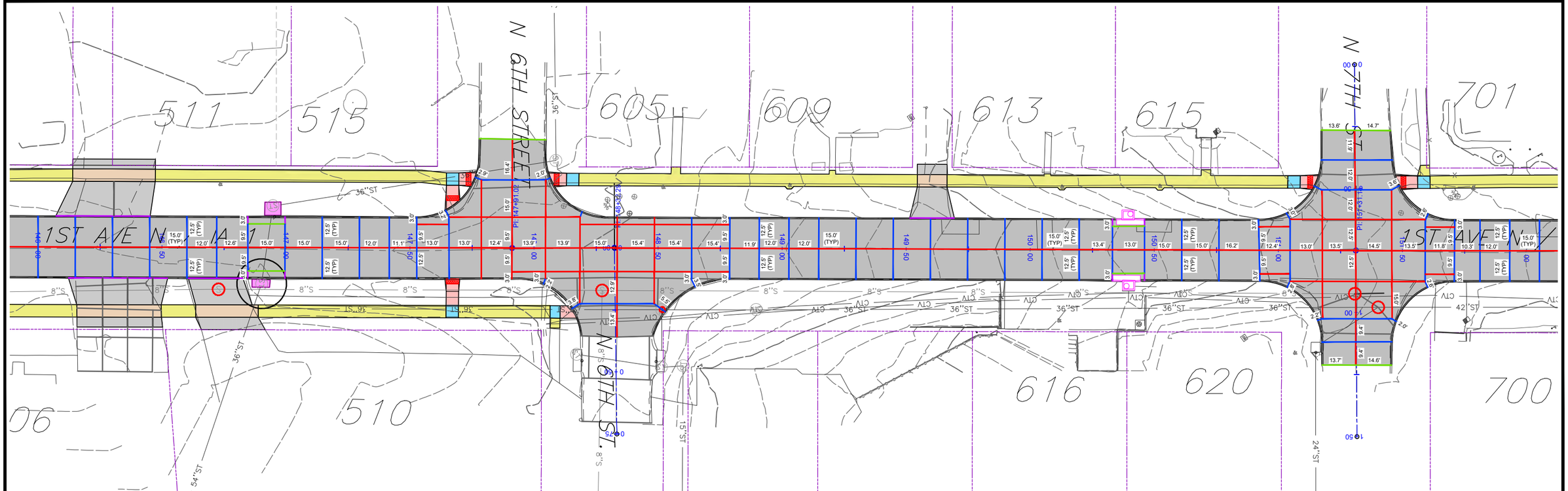
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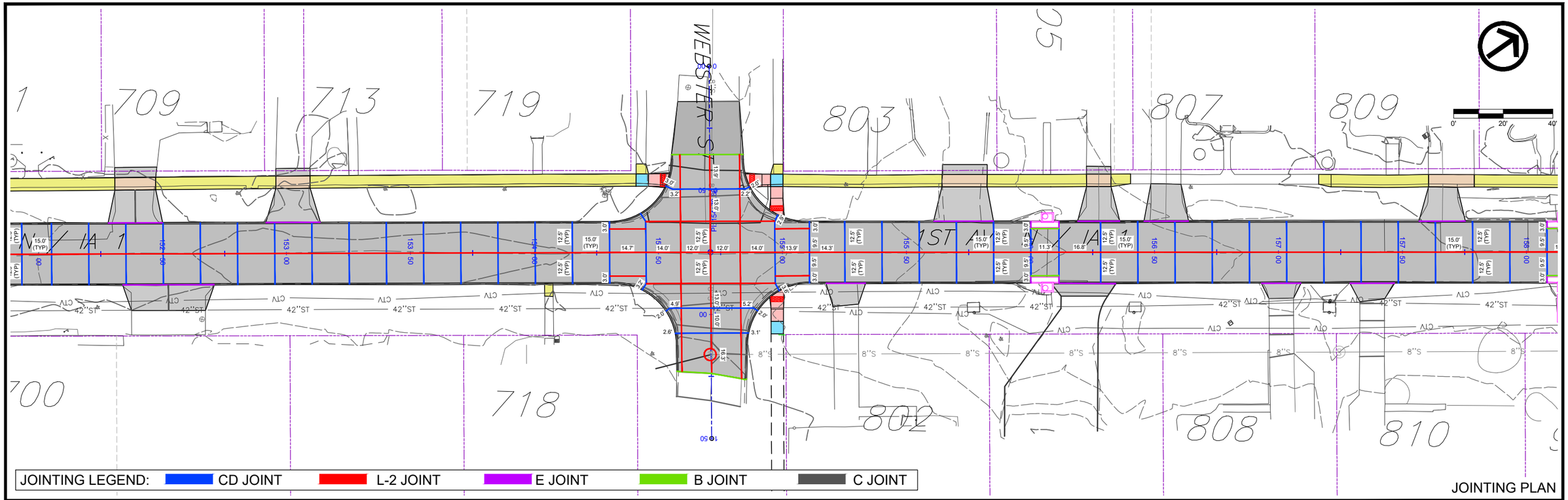
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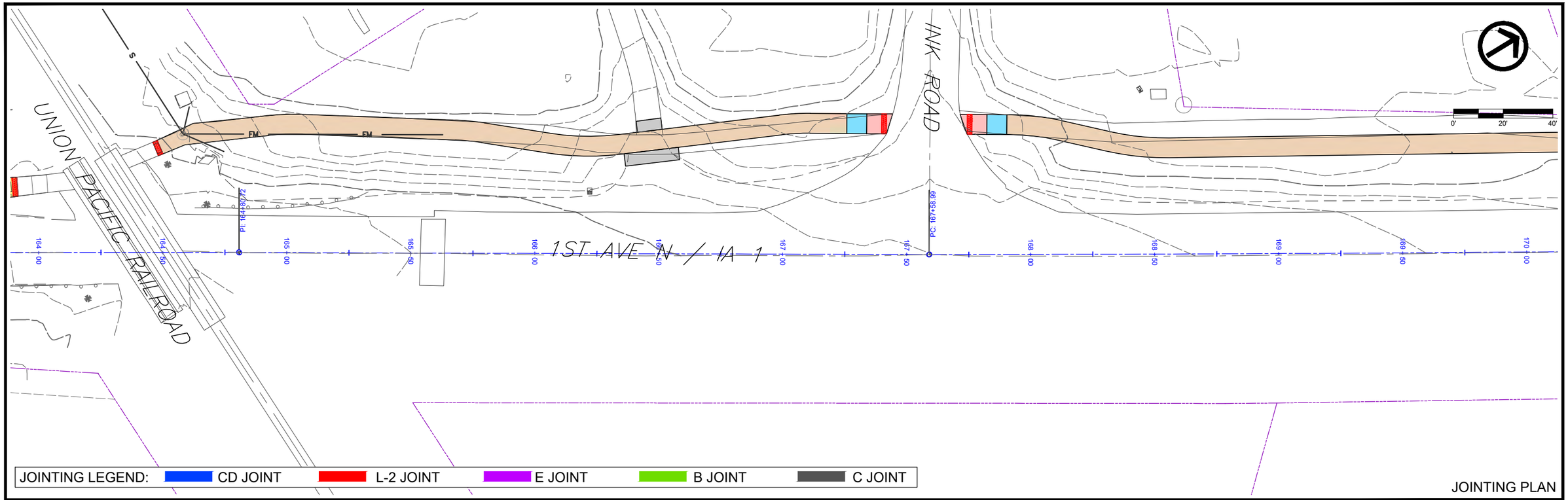
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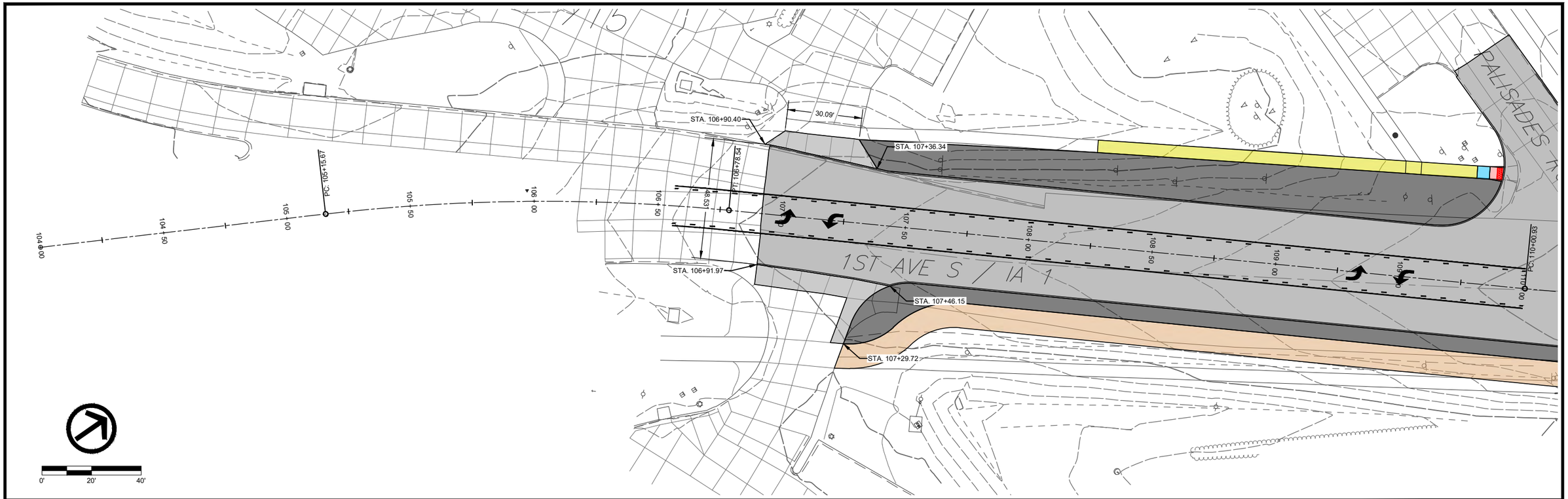
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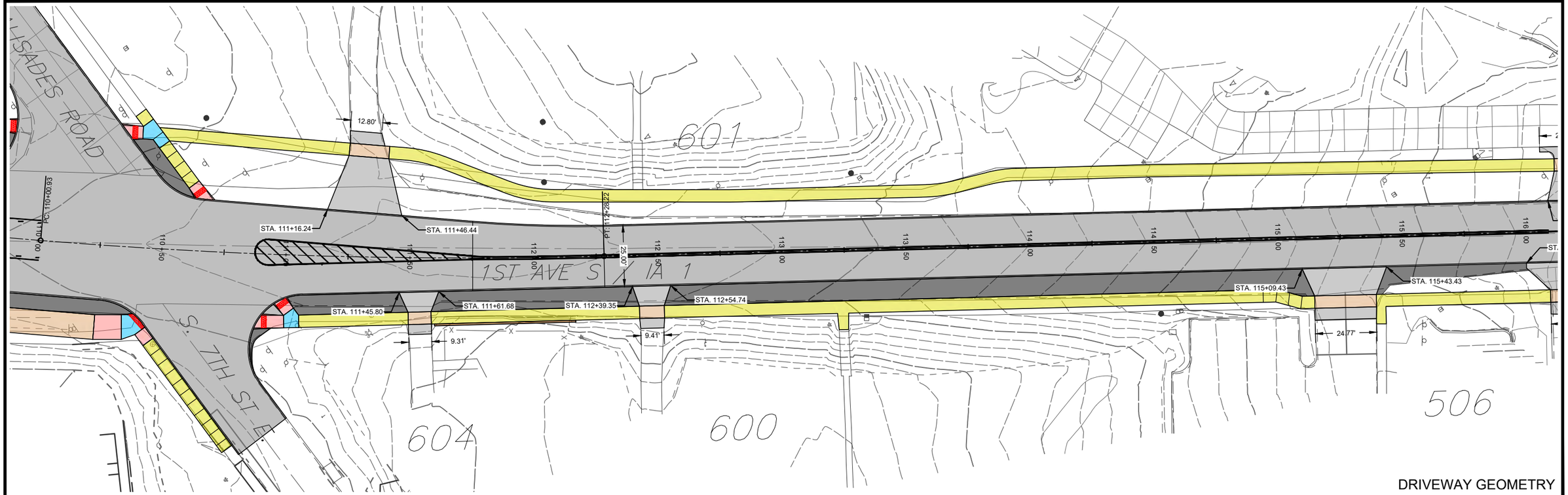


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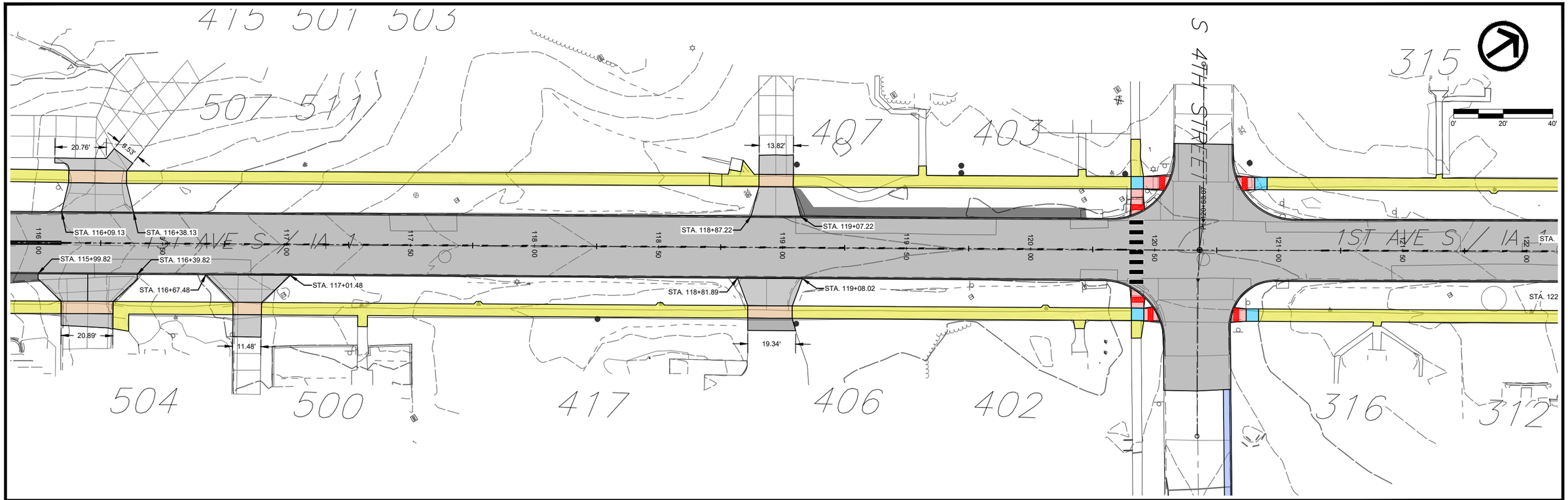


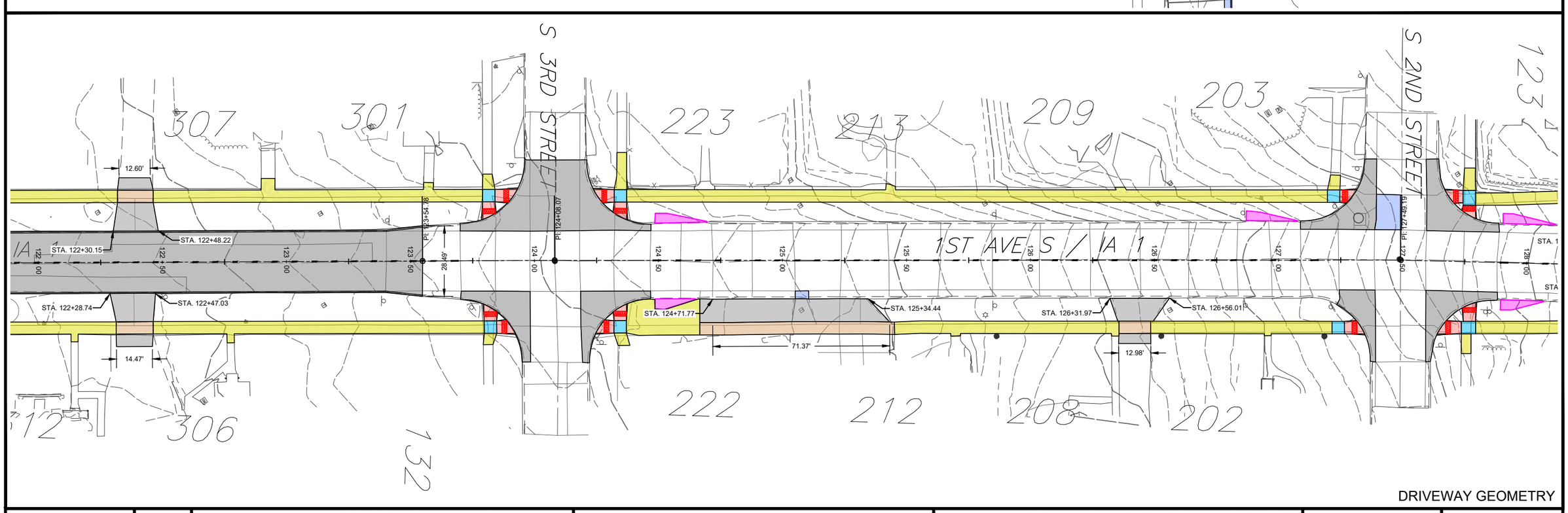
DRIVEWAY GEOMETRY

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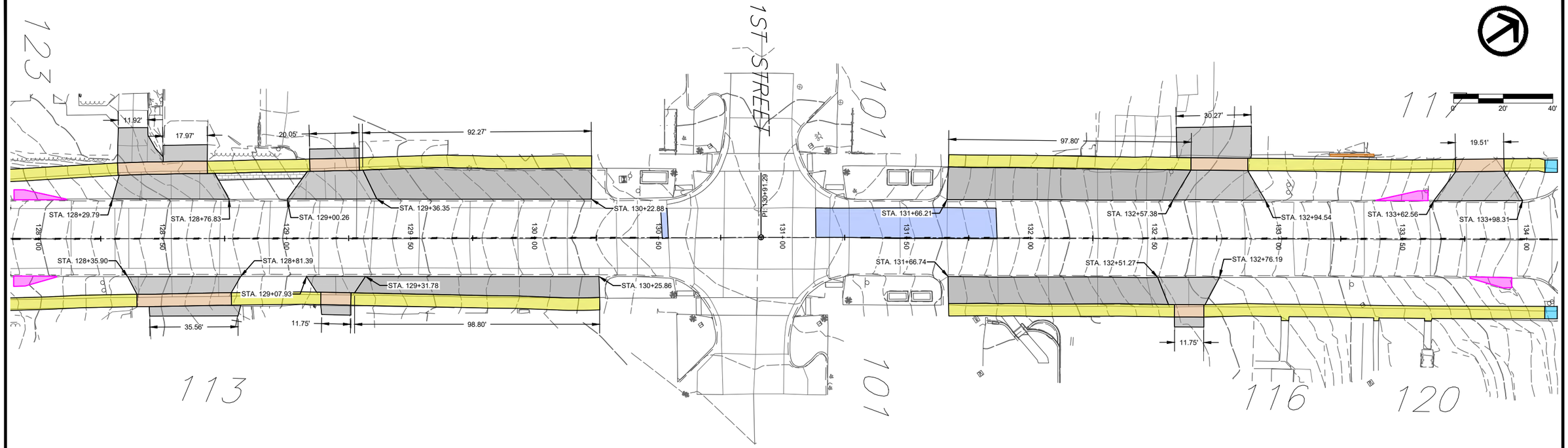


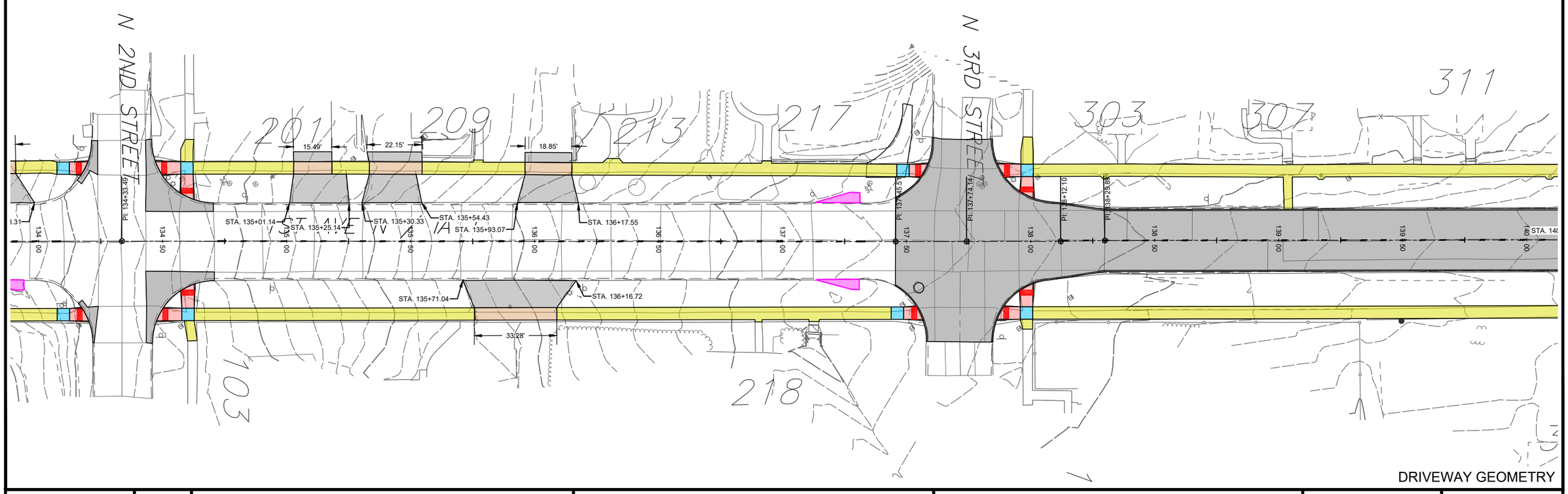
DRIVEWAY GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.20

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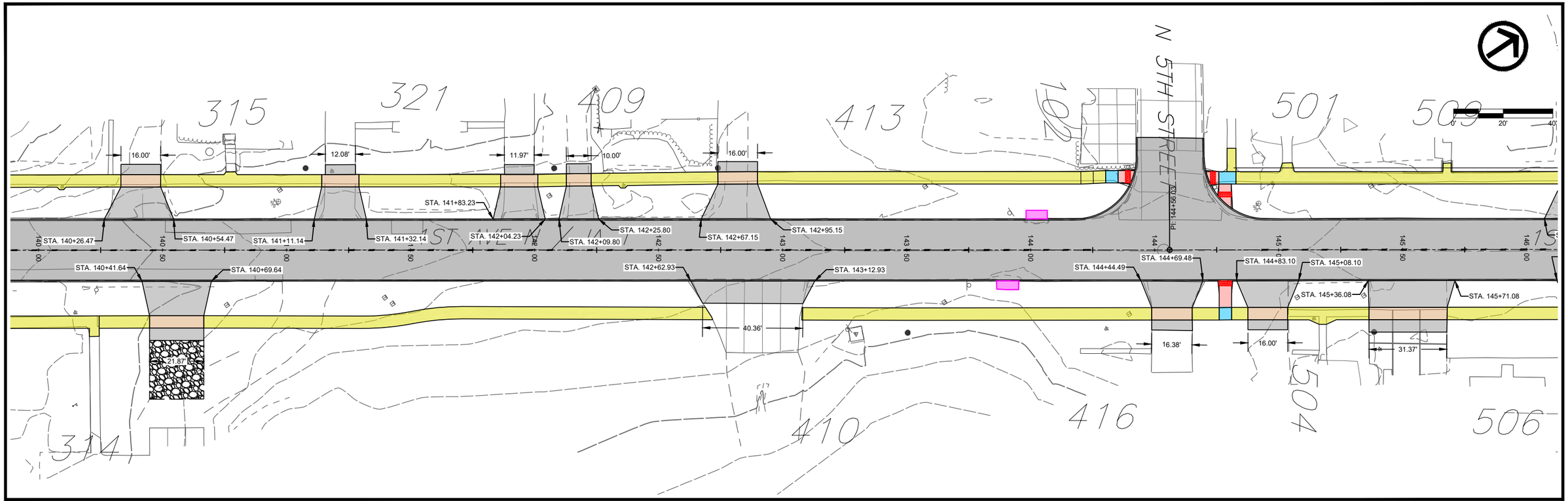


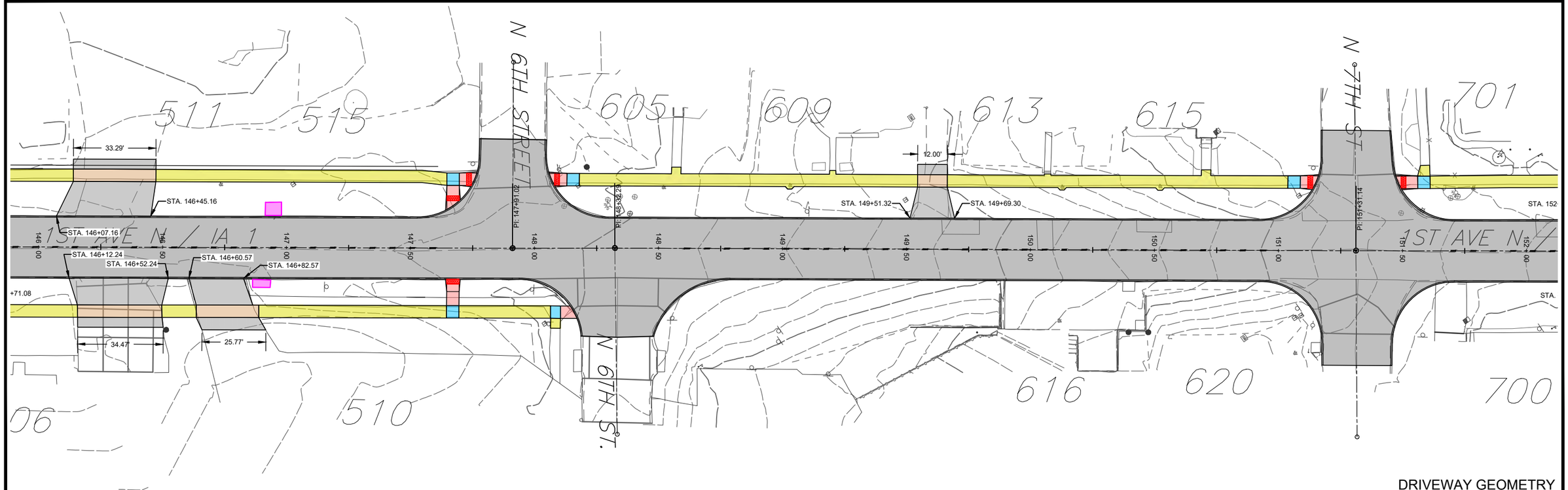
DRIVEWAY GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.21

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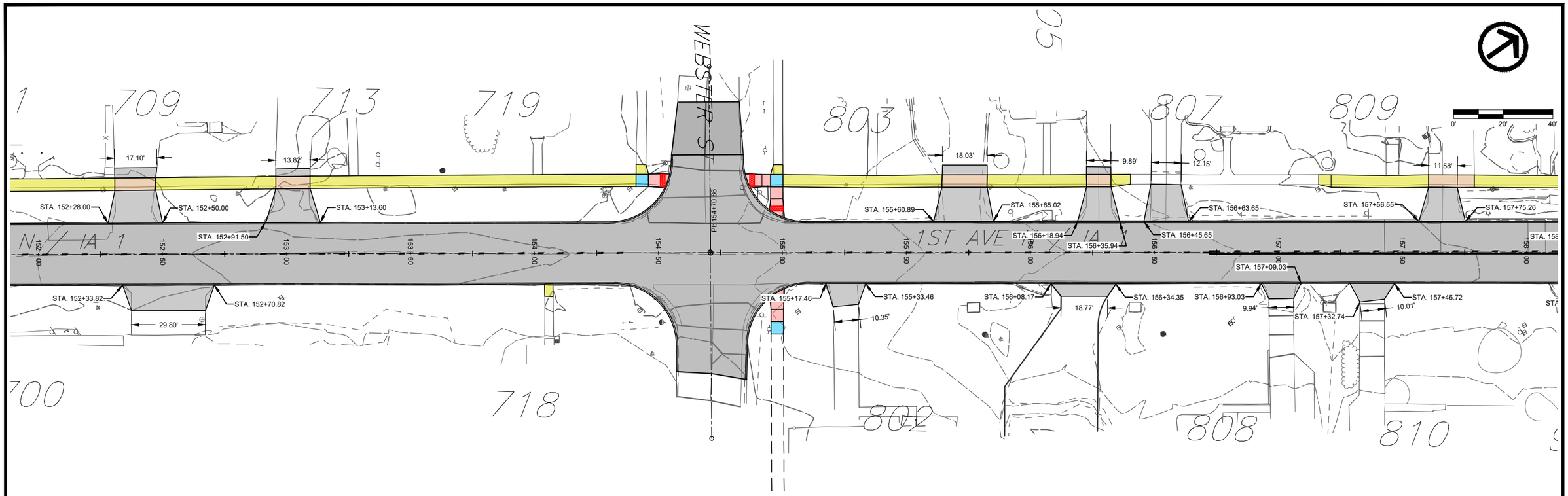


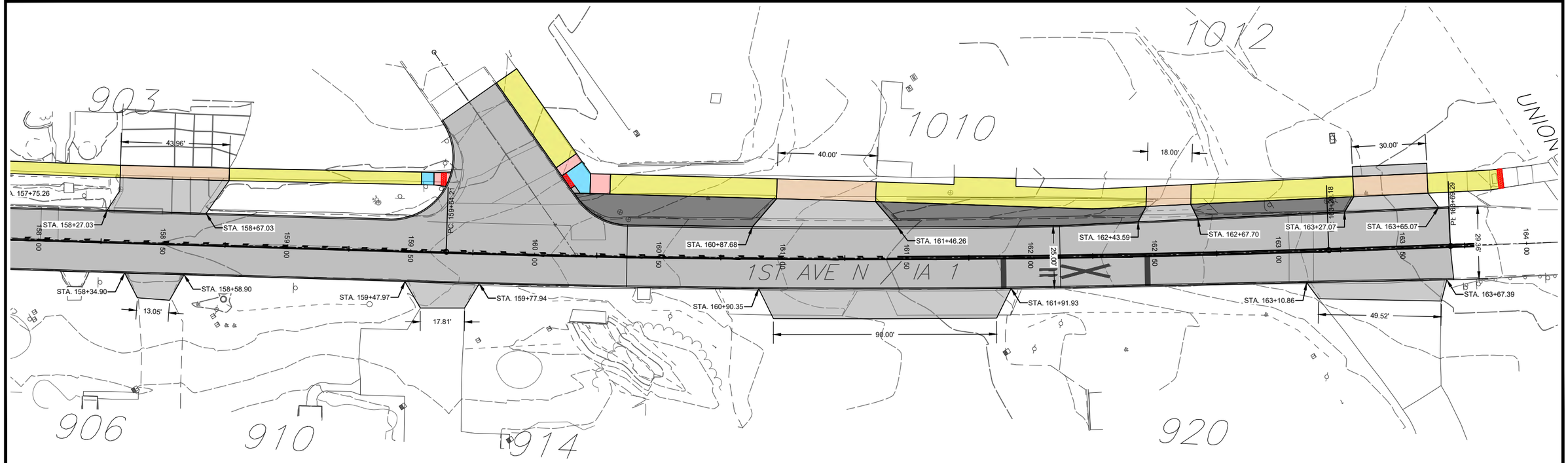
DRIVEWAY GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.22	

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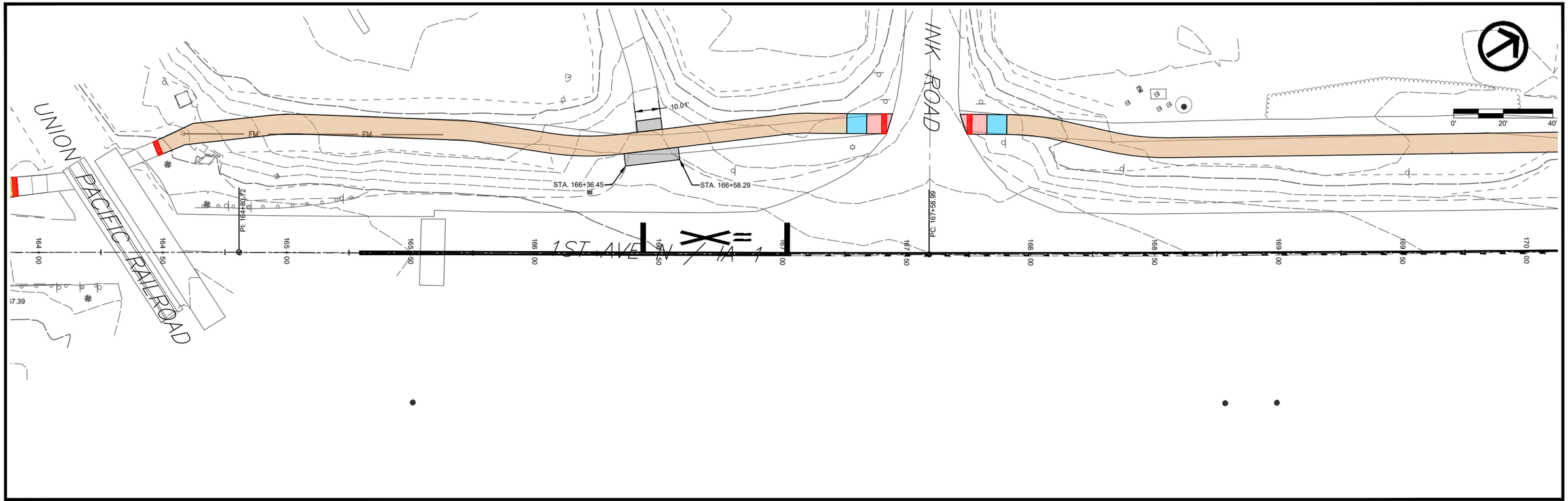


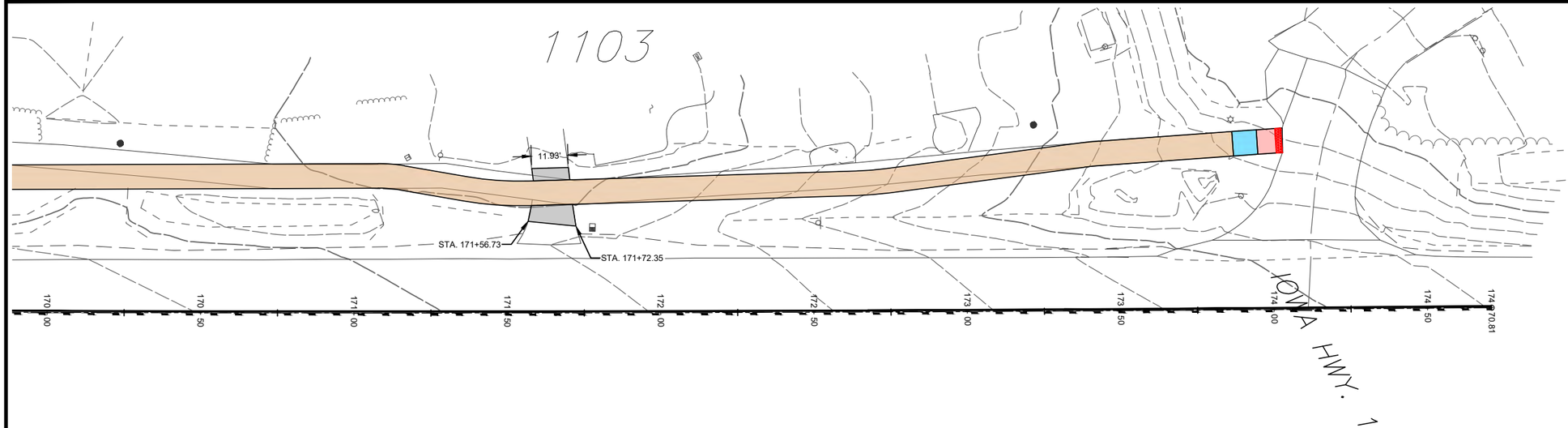
DRIVEWAY GEOMETRY

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	L.23	

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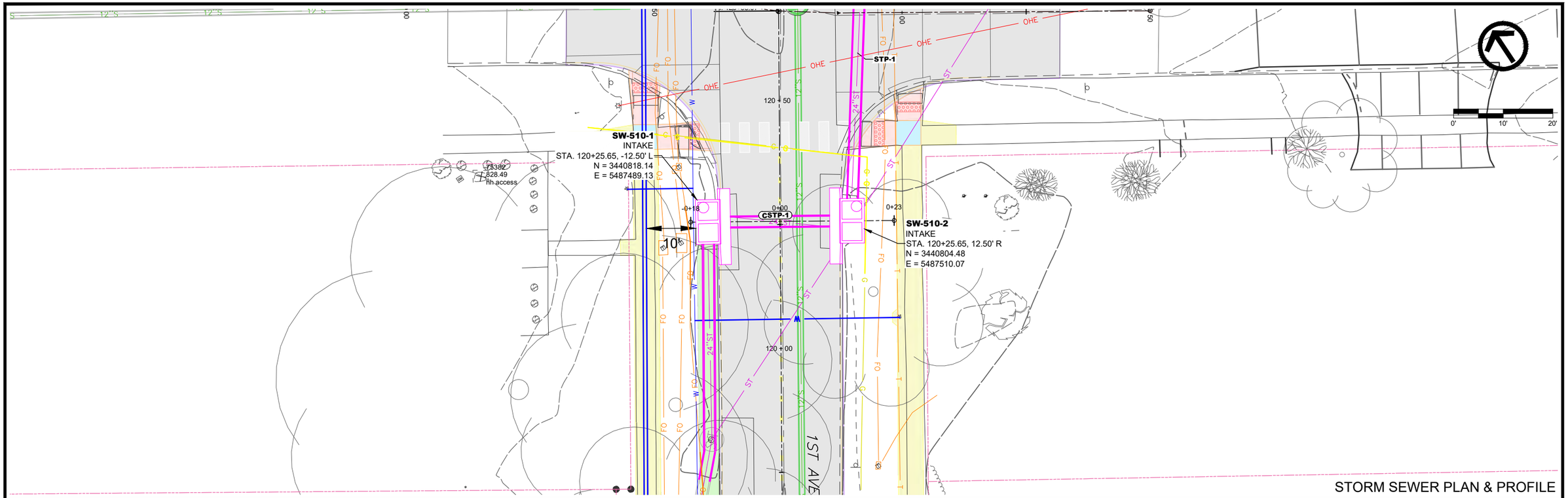


DRIVEWAY GEOMETRY

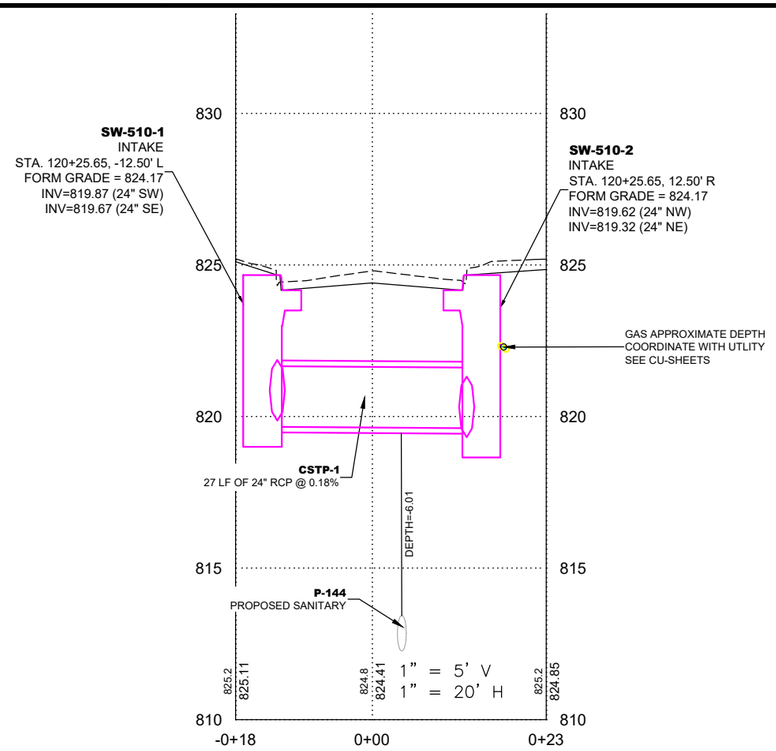
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PLOTTED: Friday, October 16, 2026 10:45:43 AM

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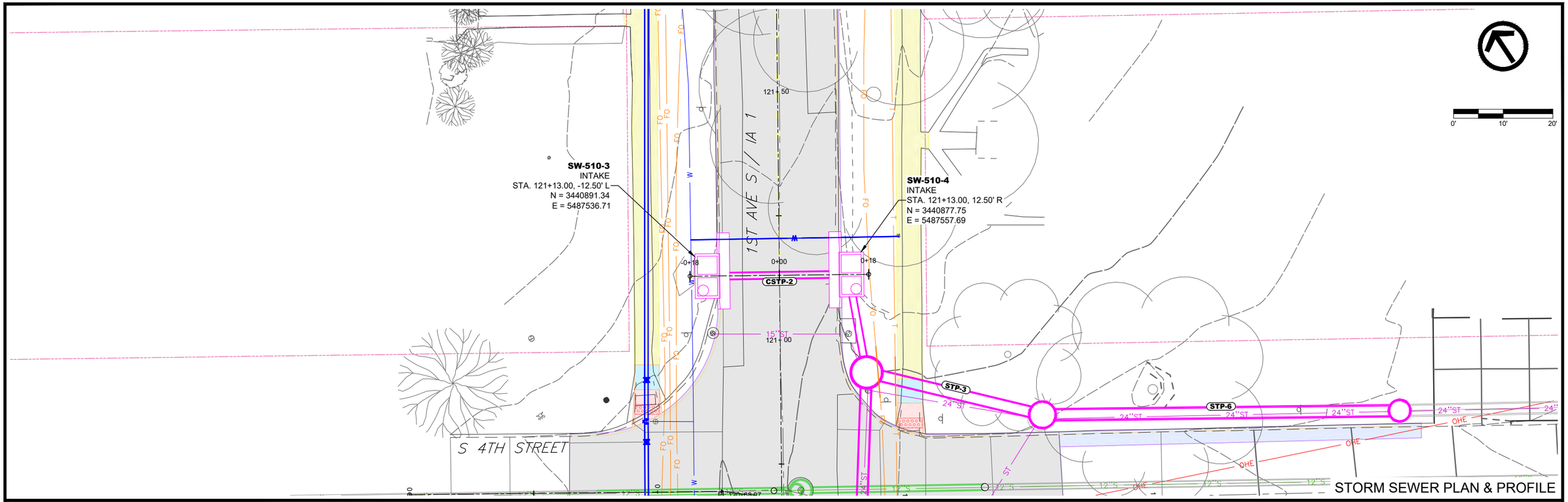
STORM SEWER PLAN & PROFILE



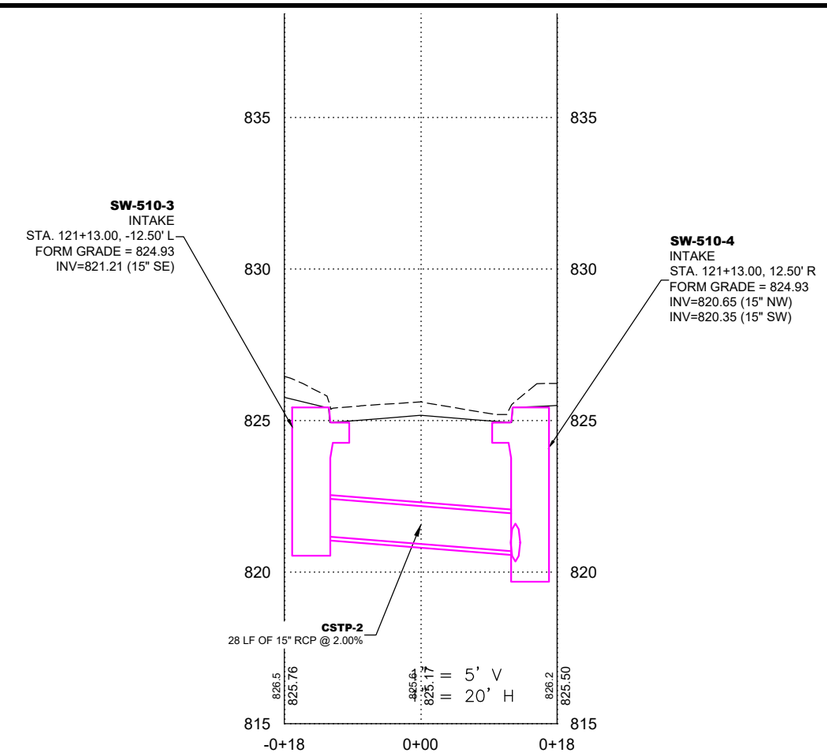
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PLOTTED: Friday, October 16, 2026 10:46:10 AM

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STORM SEWER PLAN & PROFILE



FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	M.02

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CONTRACTOR SHALL CONTACT IOWA COMMUNICATIONS NETWORK
WHEN EXCAVATING FOR INSTALLATION OF STORM MANHOLE

SW-510-4
INTAKE
STA. 121+13.00, 12.50' R
N = 3440877.75
E = 5487557.69

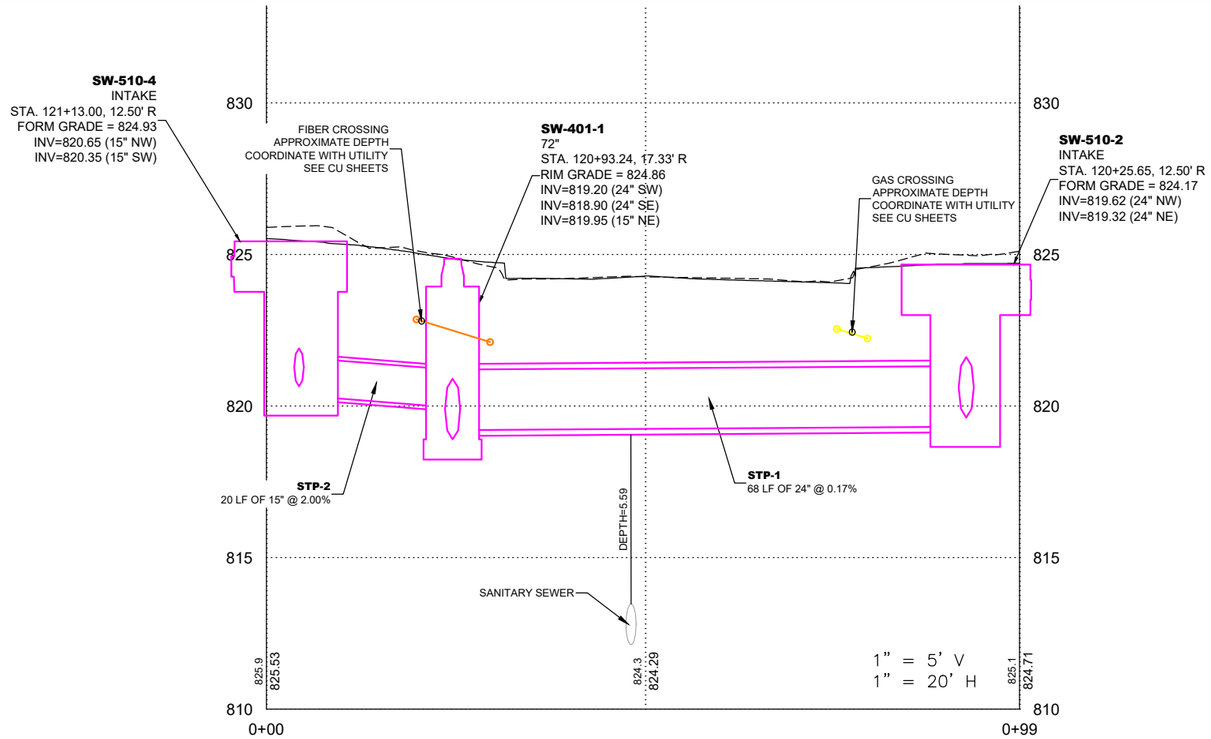
SW-401-1
SW-401 (72" Dia)
STA. 120+93.24, 17.33' R
N=3440858.54
E=5487551.01

SW-510-2
INTAKE
STA. 120+25.65, 12.50' R
N = 3440804.48
E = 5487510.07

STP-1
STP-2
STP-3
CSTP-1

S 4TH STREET
1ST AVE S

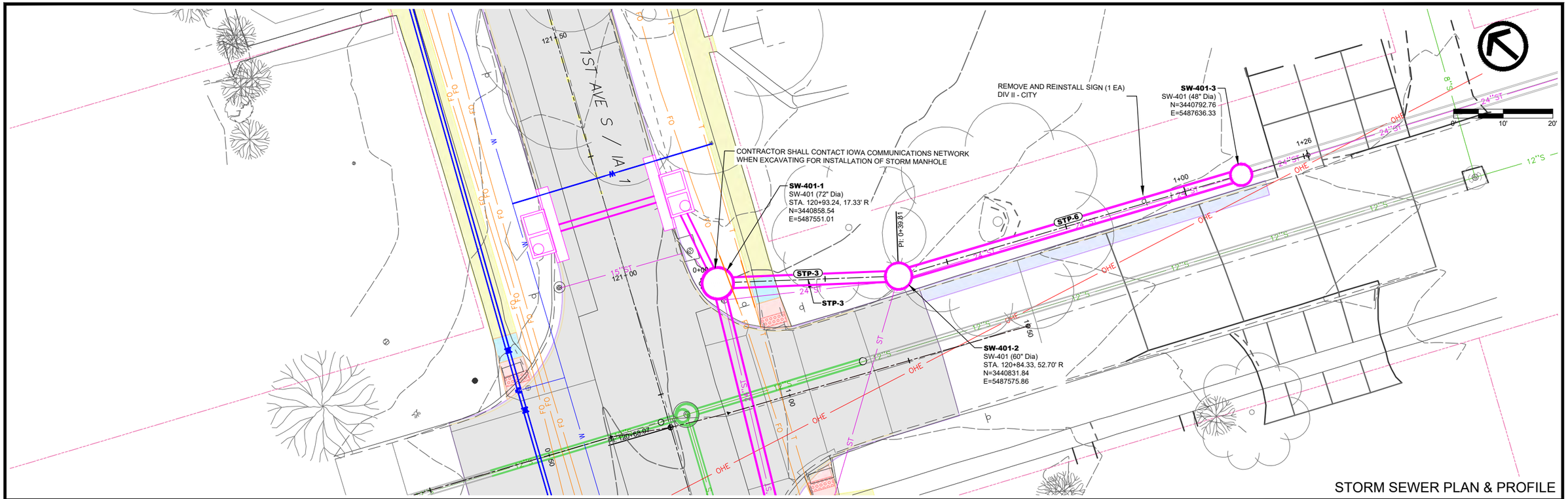
STORM SEWER PLAN & PROFILE



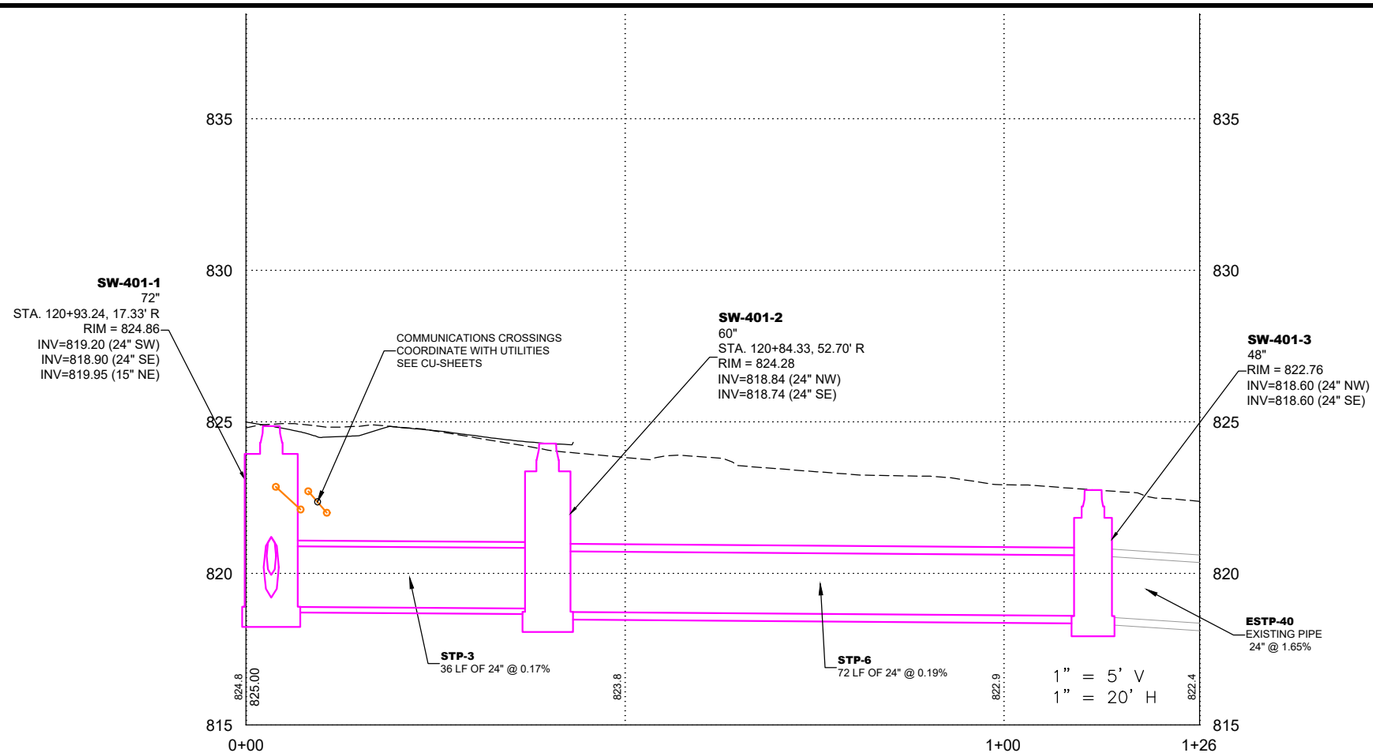
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	M.03

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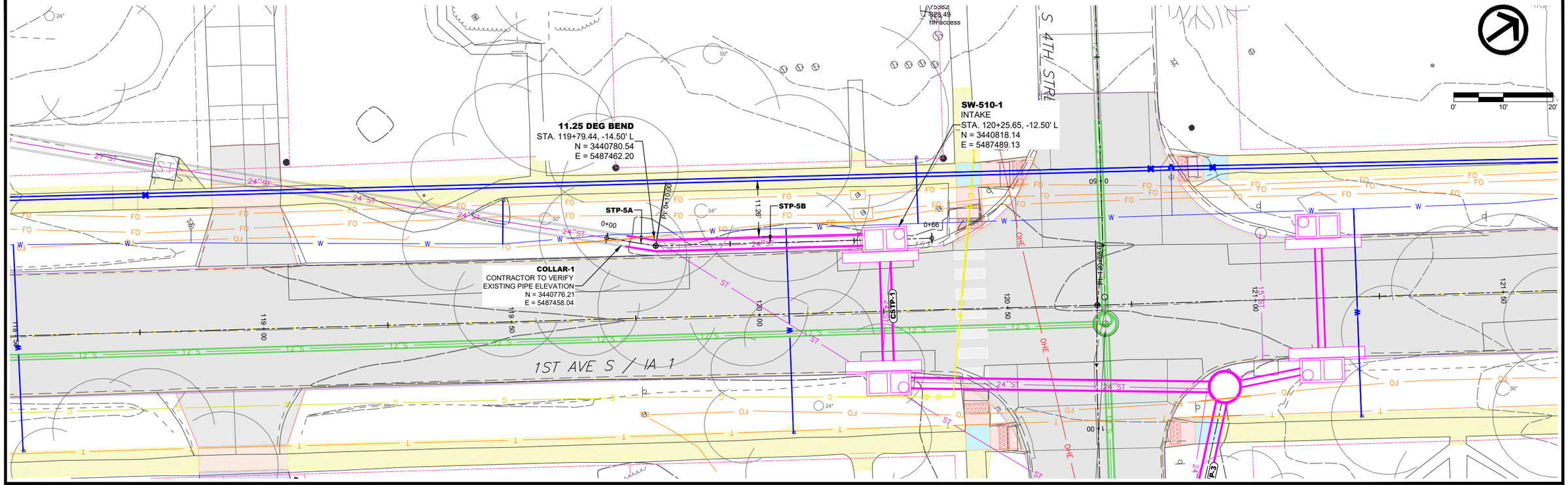
STORM SEWER PLAN & PROFILE

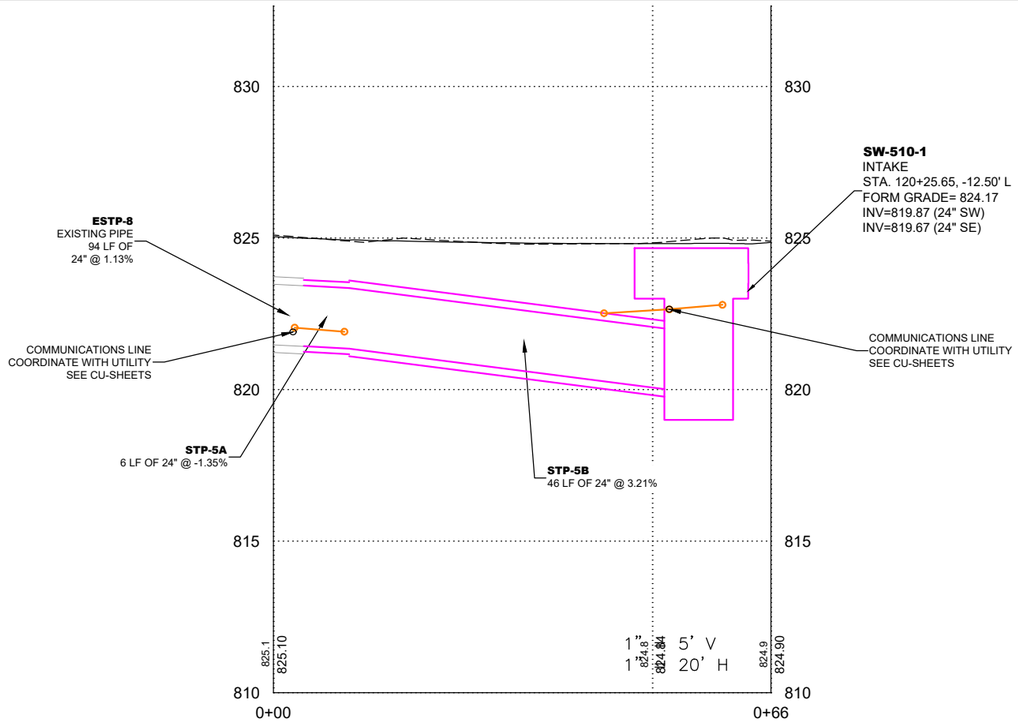


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	M.04

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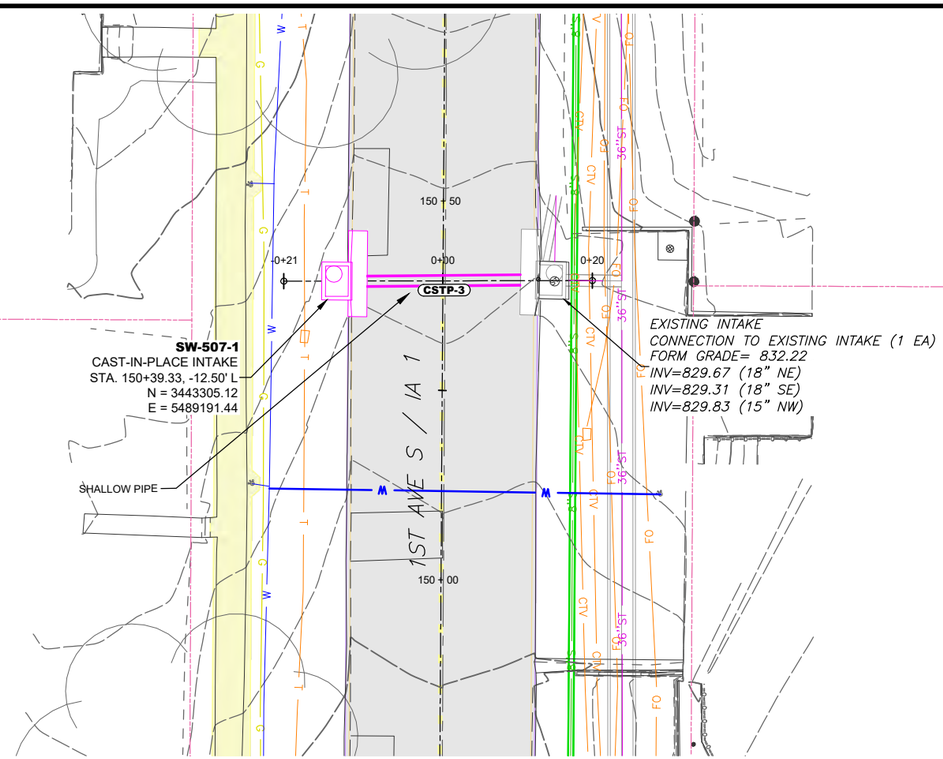


STORM SEWER PLAN & PROFILE

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	M.05

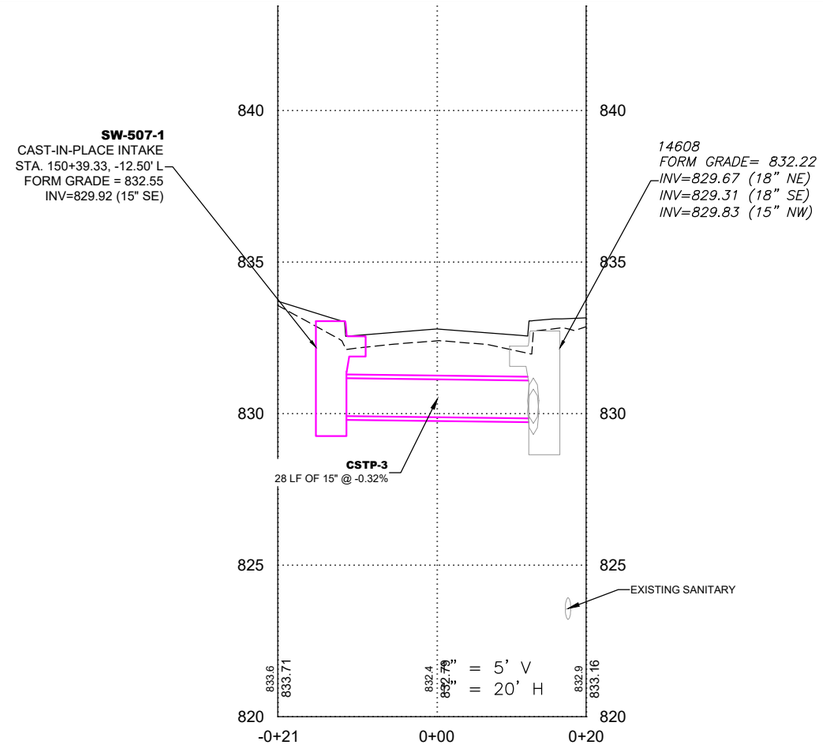
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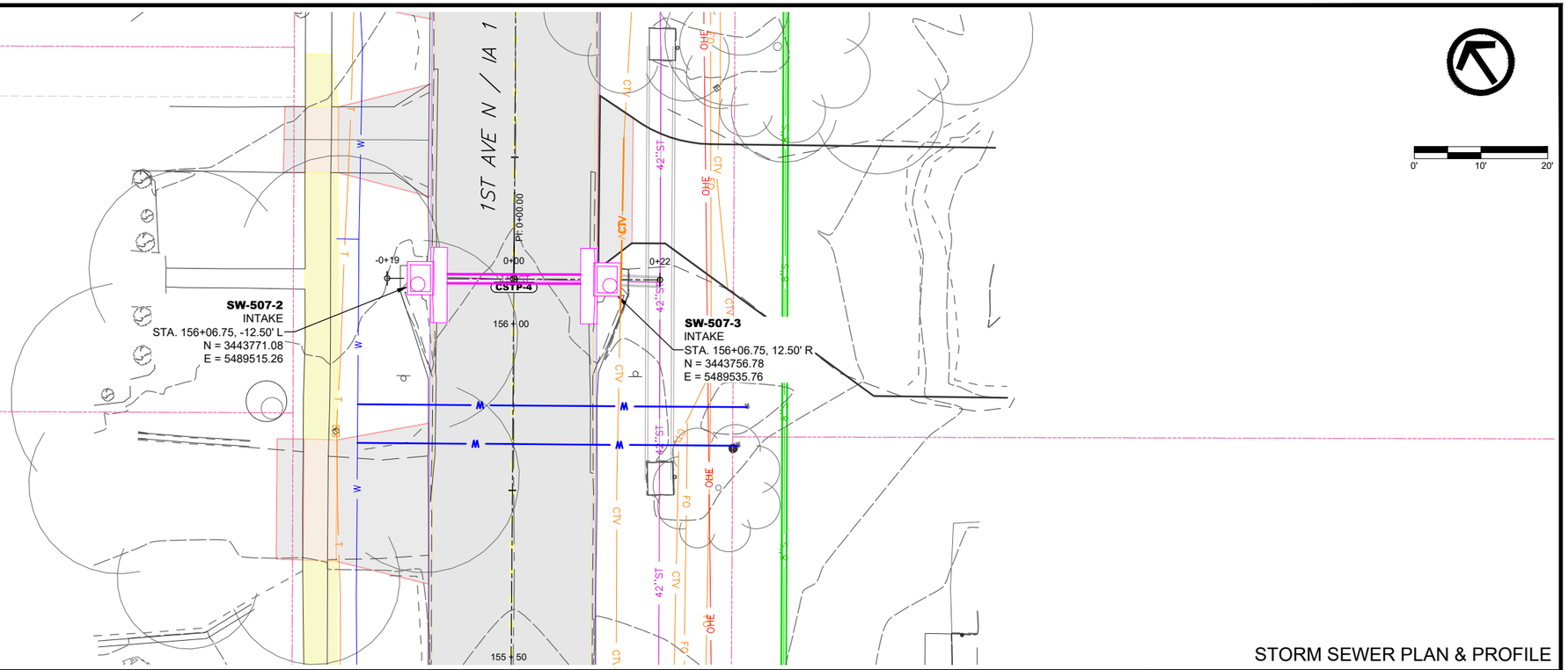
STORM SEWER PLAN & PROFILE



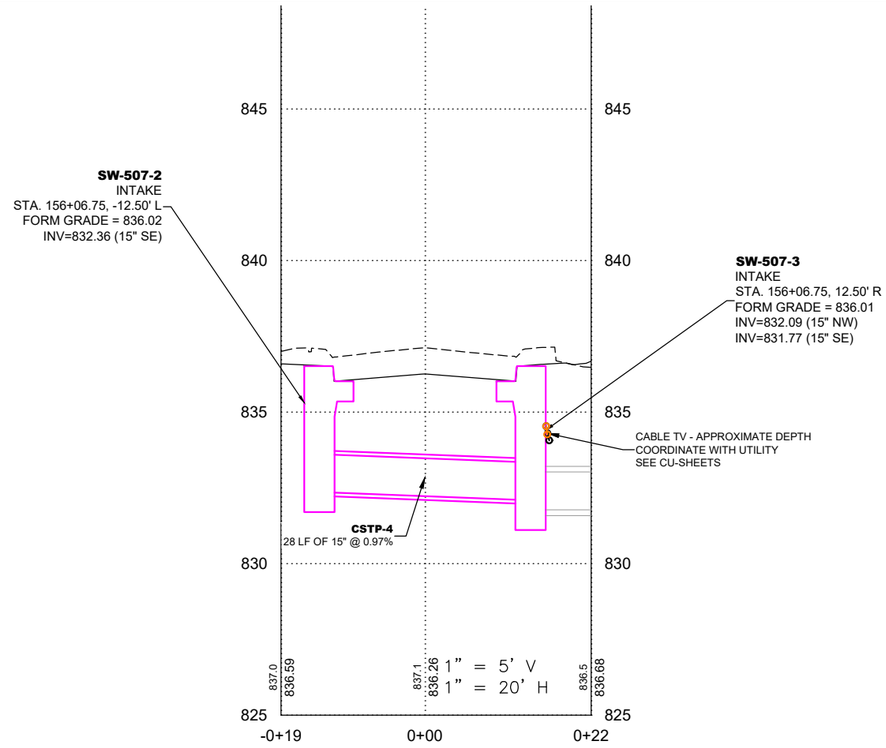
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PLOTTED: Friday, October 16, 2026 10:47:00 AM

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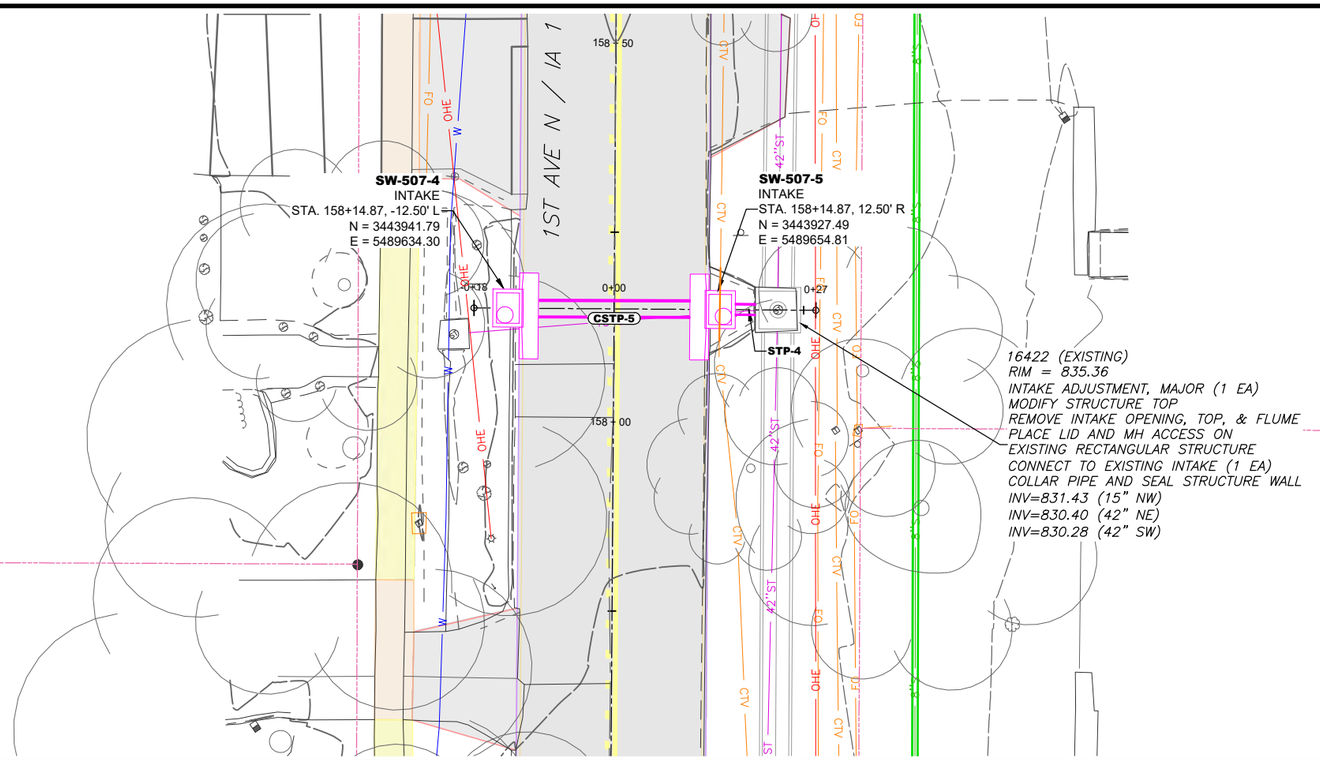
STORM SEWER PLAN & PROFILE



FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	M.07

PLOTTED: Friday, October 16, 2026 10:47:10 AM

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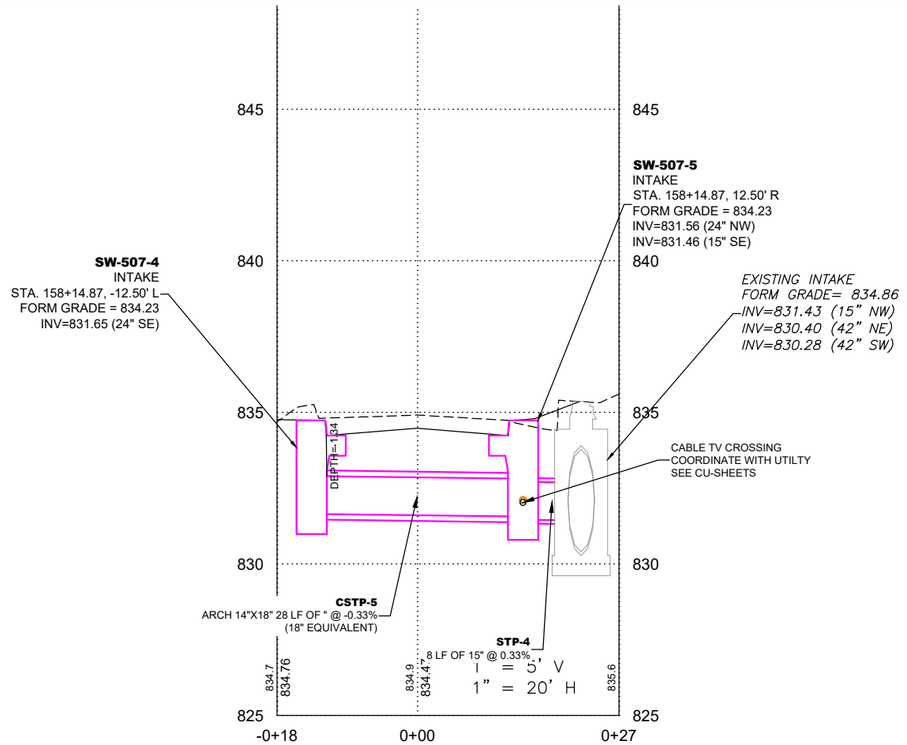


STORM SEWER PLAN & PROFILE



CONVERT INTAKE #16422 TO CLOSED MANHOLE





FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	M.08

PLOTTED: Friday, October 16, 2026 10:47:21 AM FILE PATH: \\CORIA-NASNIP01.KLEINFELDER.COM\CRVLSHARE\0500\0513-MOUNT_VERNON\0513-0061_HGHWY_1_RECONSTRUCTION_DS_DESIGN_AND_PLANNING\CADD_PRODDRAWINGS\M - STORM

STORM SEWER

(1) Diameter or equivalent diameter
* Bid Item
** For SW-545
Design Length, Slope, and Flowlines are calculated from inside wall to inside wall along CL of pipe. An additional 2 ft length is added to each end of the Design Length to account for estimated length to center of structures.

No.	Location Station	Offset	Type or Standard Road Plan*	Form Grade Elev.	Bottom Well Elev.	Extension Length**	Notes	Line Number	Intake / Utility Access No. From	Intake / Utility Access No. To	Class 'D'	Pipe Size (1) (IN)	Bid Length* (FT)	Design Length (FT)	Slope %	Connected Pipe Joint (DR-121)	Flow Line Inlet Elev.	Flow Line Outlet Elev.	Flow Line Other Elev.	Pipe Profile Sheet No.	Notes
													4								
SW-510-1	120+25.65	-12.50	SW-510	824.17		0		CSTP-1	SW-510-1	SW-510-2	III	24	27	27	0.18		819.62	819.67		M.01	
SW-510-2	120+25.65	12.50	SW-510	824.17		0		CSTP-2	SW-510-3	SW-510-4	III	15	28	28	2.00		821.21	820.65		M.02	
SW-510-3	121+13.00	-12.50	SW-510	824.93		0		STP-2	SW-510-4	SW-401-1	III	15	20	20	2.00		820.35	819.95		M.03	
SW-510-4	121+13.00	12.50	SW-510	824.93		0		STP-1	SW-510-2	SW-401-1	III	24	68	68	0.17		819.32	819.2		M.03	
SW-401-1	120+93.24	17.33	SW-401	824.36		0	RIM = 824.86	STP-3	SW-401-1	SW-401-2	III	24	36	36	0.17		818.9	818.84		M.04	
SW-510-2	120+25.65	12.50	SW-510	824.17		0		STP-6	SW-401-2	SW-401-3	III	24	7	7	0.19		818.74	818.64		M.04	
SW-401-1	120+93.24	17.33	SW-401			0	RIM = 824.86	STP-5A	COLLAR-1	11.25 BEND	III	24	6	6	1.35		821.43	821.35		M.05	
SW-401-2	120+84.33	52.70	SW-401			0	RIM = 824.28	STP-5B	11.25 BEND	SW-510-1	III	24	46	46	3.21		821.35	821.87		M.05	
SW-401-3			SW-401			0	RIM = 822.76	CSTP-3	SW-507-1	14608	III	15	28	28	0.32		829.92	829.83		M.06	
11.25 BEND	119+79.44	-14.5	DR-141					CSTP-4	SW-507-2	SW-507-3	III	15	28	28	0.97		832.36	832.09		M.07	
SW-507-1	150+39.33	-12.5	SW-507				CAST-IN-PLACE	CSTP-5 ARCH	SW-507-4	SW-507-5	III		28	28	0.31		831.65	831.56		M.08	18" EQUIVALENT ARCH
14608				832.72		0	EXISTING INTAKE	STP-4	SW-507-5	16422	III	15	8	8	0.53		831.46	831.43		M.08	
SW-507-2	156+06.75	-12.5	SW-507	836.02				TRL CSTP-1	SW-512-1	FES-1	III	12	29	29	0.53		839.53	839.38		M.10	
SW-507-3	156+06.75	12.5	SW-507	836.01				TRL CSTP-2	SW-512-2	FES-2	III	12	30	30	1.00		838.85	838.55		M.10	
SW-507-4	158+14.87	-12.5		824.23				TRLCSTP-3	SW-512-3	FES-3	III	12	31	31	0.86		838.75	838.48		M.10	

ARCH PIPE		
NO.	SIZE	LENGTH
CSTP-5	22"x13"	28
	TOTAL	**28**

** Contractor to field verify all existing structure connections

STRUCTURE		
NO.	TYPE	SIZE
1	401-1	72
2	401-2	60
3	401-3	48
3	**TOTAL**	

STRUCTURE	
NO.	TYPE
1	507-1
2	507-2
3	507-3
4	507-4
5	507-5
5	**TOTAL**

STRUCTURE	
NO.	TYPE
1	510-1
2	510-2
3	510-3
4	510-4
4	**TOTAL**

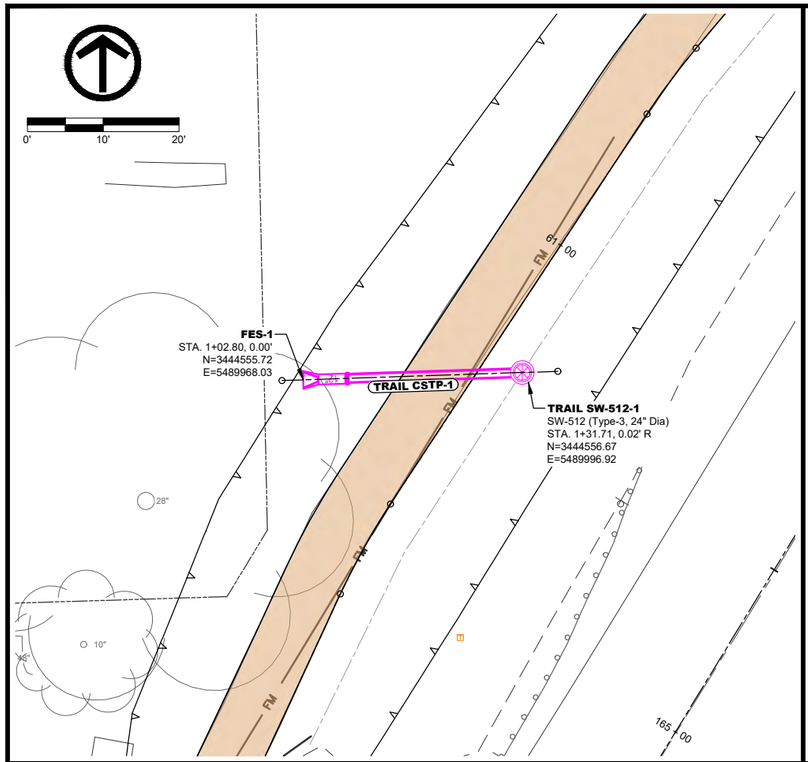
PIPE		
NO.	SIZE	LENGTH
CSTP-2	15	28
STP-2	15	20
CSTP-3	15	28
CSTP-4	15	28
STP-4	15	8
	TOTAL	**112**

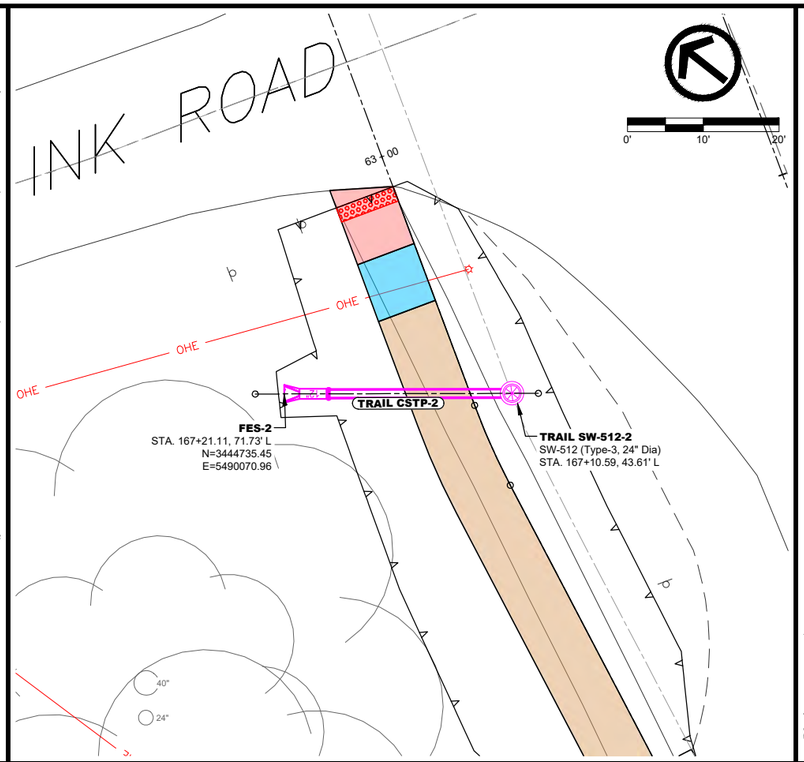
PIPE		
NO.	SIZE	LENGTH
CSTP-1	24	27
STP-1	24	68
STP-3	24	36
STP-6	24	72
STP-5A	24	6
STP-5B	24	46
	TOTAL	**255**

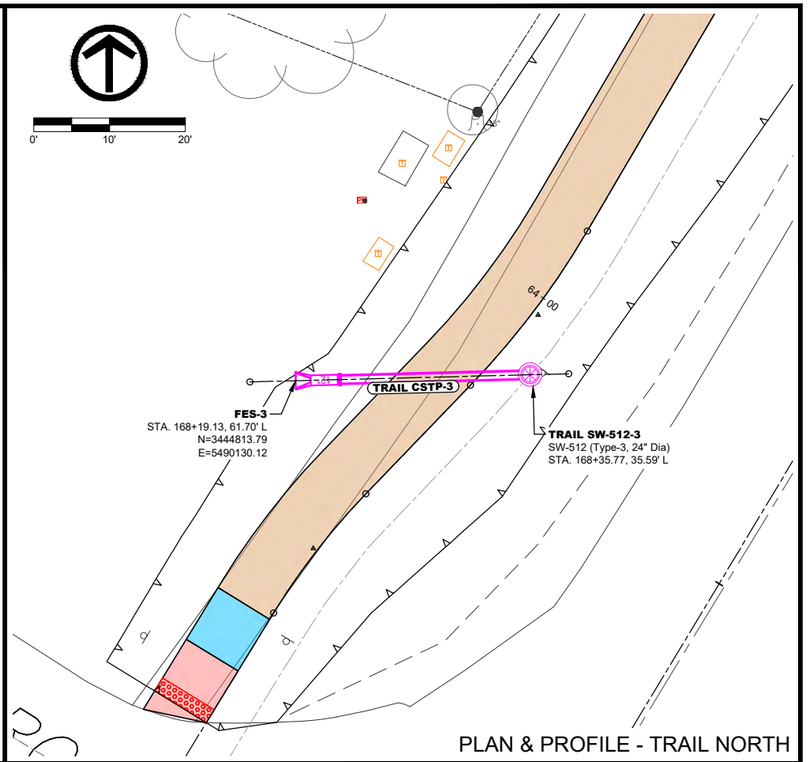
STRUCTURE	
NO.	TYPE
1	TRAIL 512-1
2	TRAIL 512-2
3	TRAIL 512-3
3	**TOTAL**

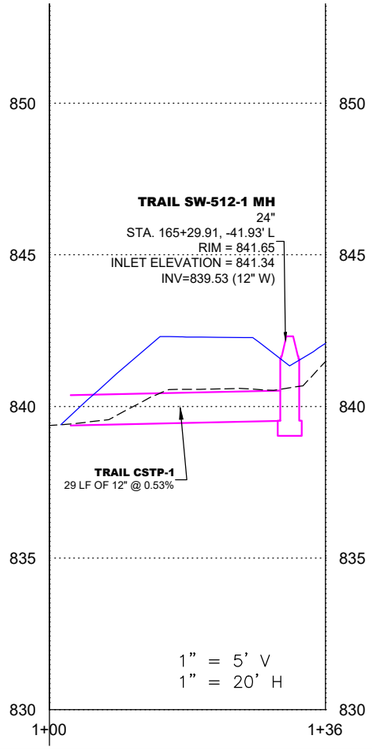
PIPE		
NO.	SIZE	LENGTH
TRAIL CSTP 1	12	29
TRAIL CSTP 2	12	30
TRAIL CSTP 3	12	31
	TOTAL	**90**

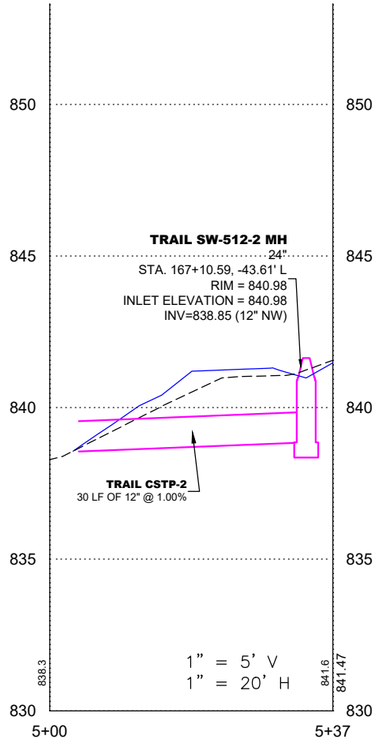
STORM SEWER TABLE

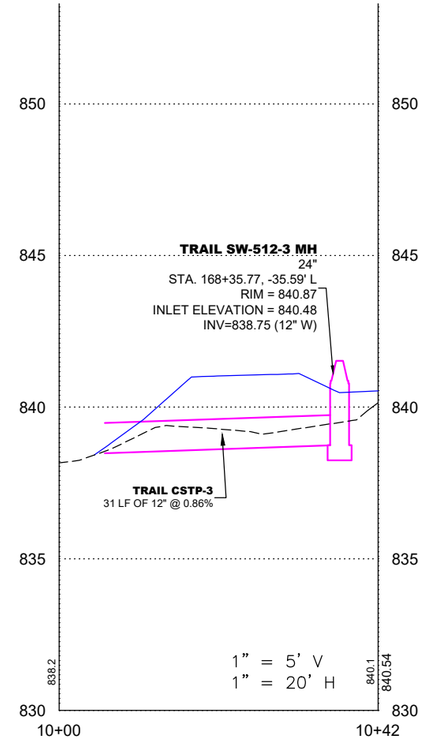










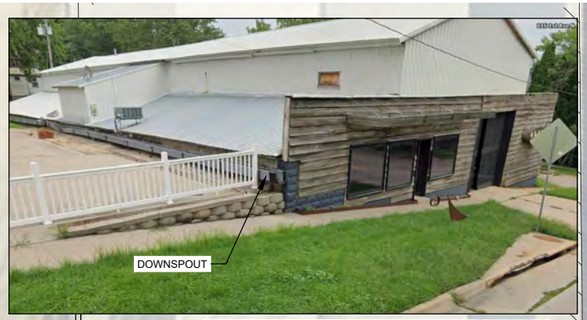


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	M.10

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CONTRACTOR TO COORDINATE WITH PROPERTY OWNER

CONNECTION TO EXISTING INTAKE (1 EA)
8" PVC (8 LF)
CONNECT TO DOWNSPOUT AND CORE DRILL INTO EXISTING INLET

CONTRACTOR TO COORDINATE WITH PROPERTY OWNER
METAL FABRICATE CONNECTION AND CAP END OF DOWNSPOUT.
(1 EA)

CONNECTION TO EXISTING INTAKE (1 EA)
CORE DRILL INTO STRUCTURE

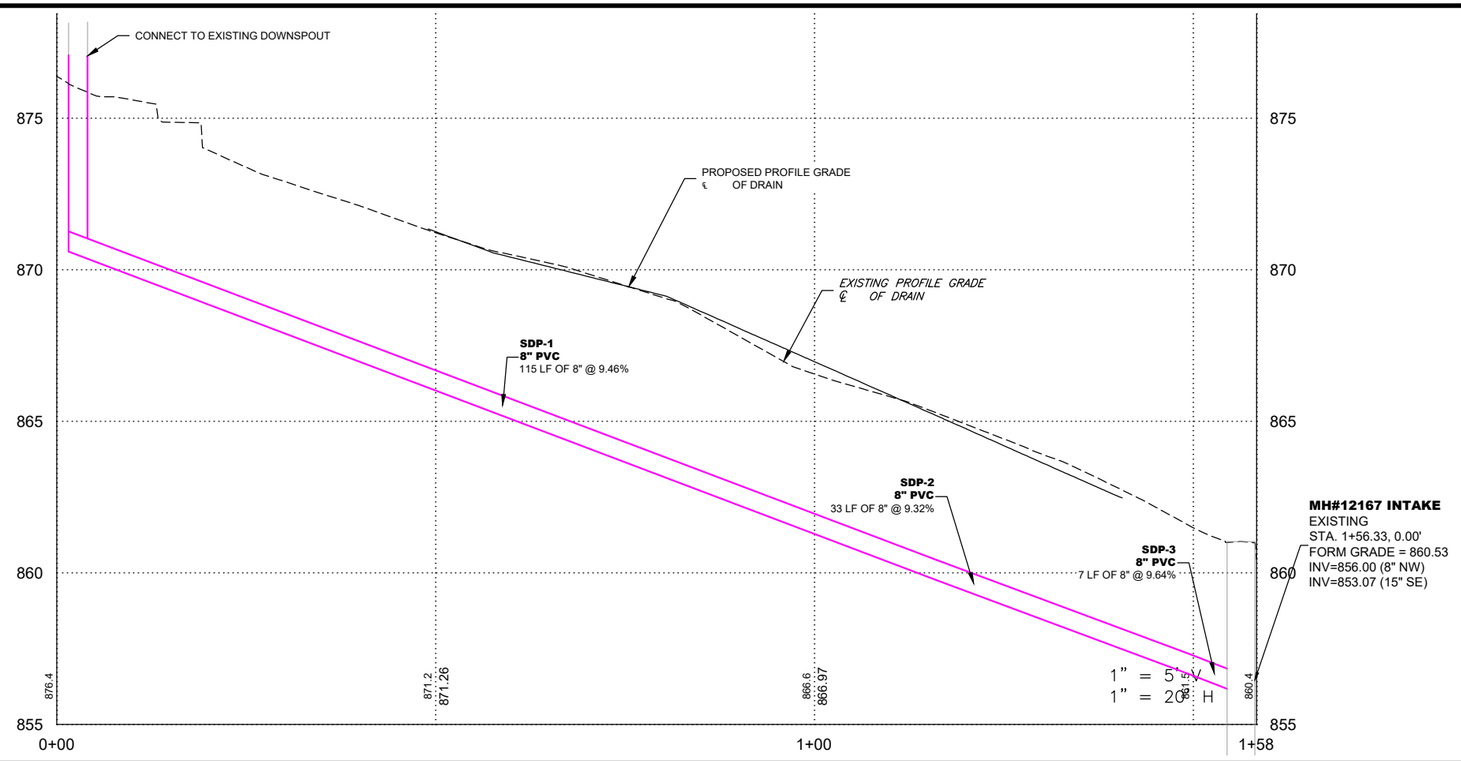
EXISTING INTAKE
FORM GRADE= 860.53
INV=856.00 (8" NW)
INV=853.07 (15" SE)

SDP-1
SDP-2
SDP-3

PC: 1+15.74
PCC: 1+49.72
PT: 1+64.23

0' 10' 20'

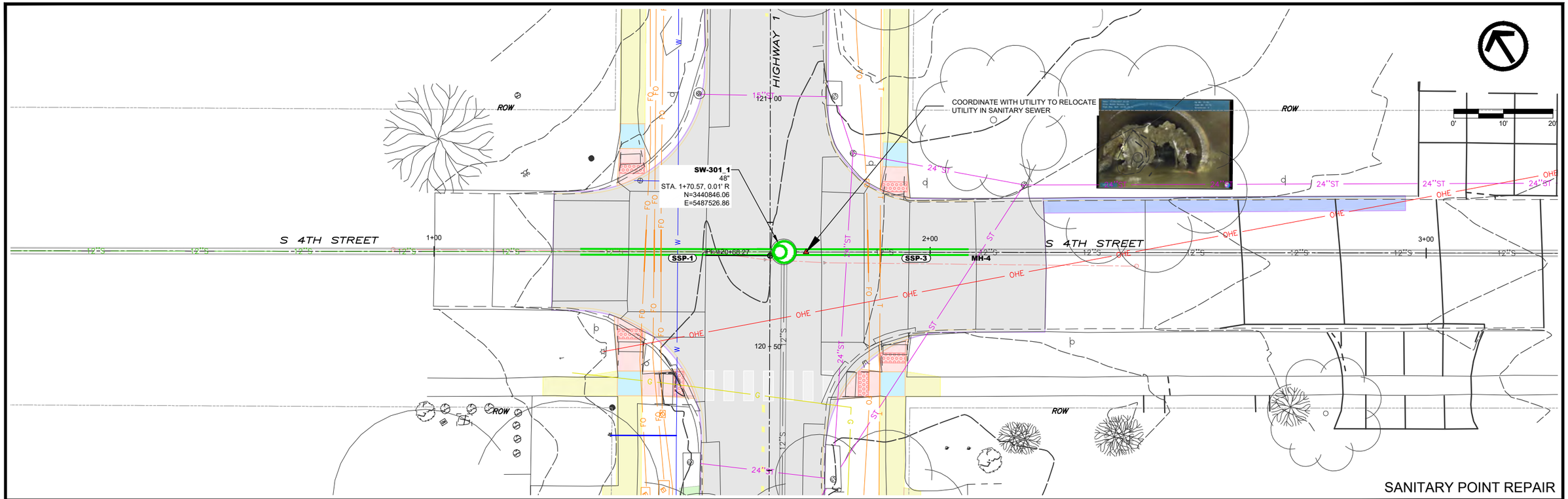
PLAN & PROFILE - DRAIN TILE



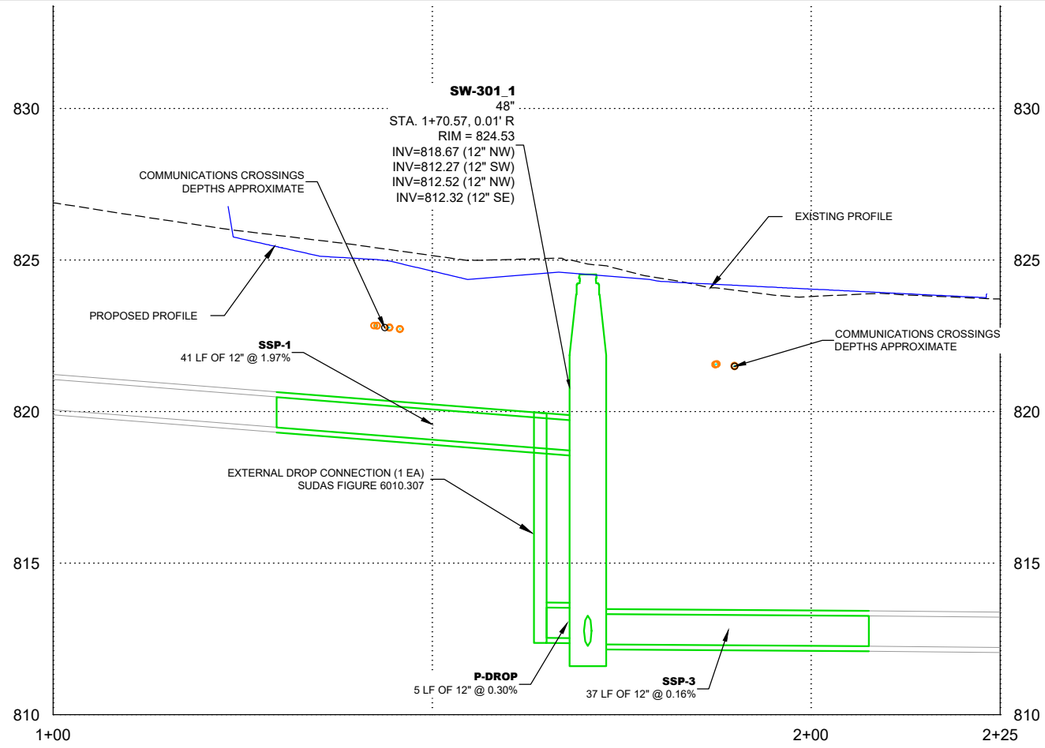
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PLOTTED: Friday, October 16, 2026 10:48:36 AM

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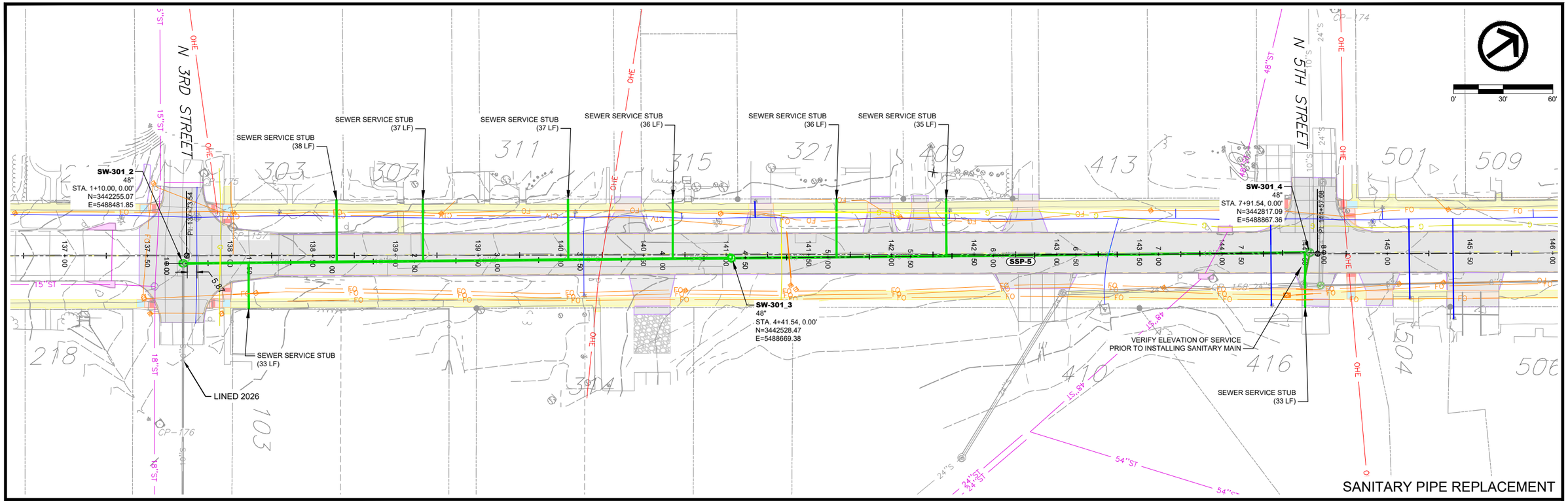
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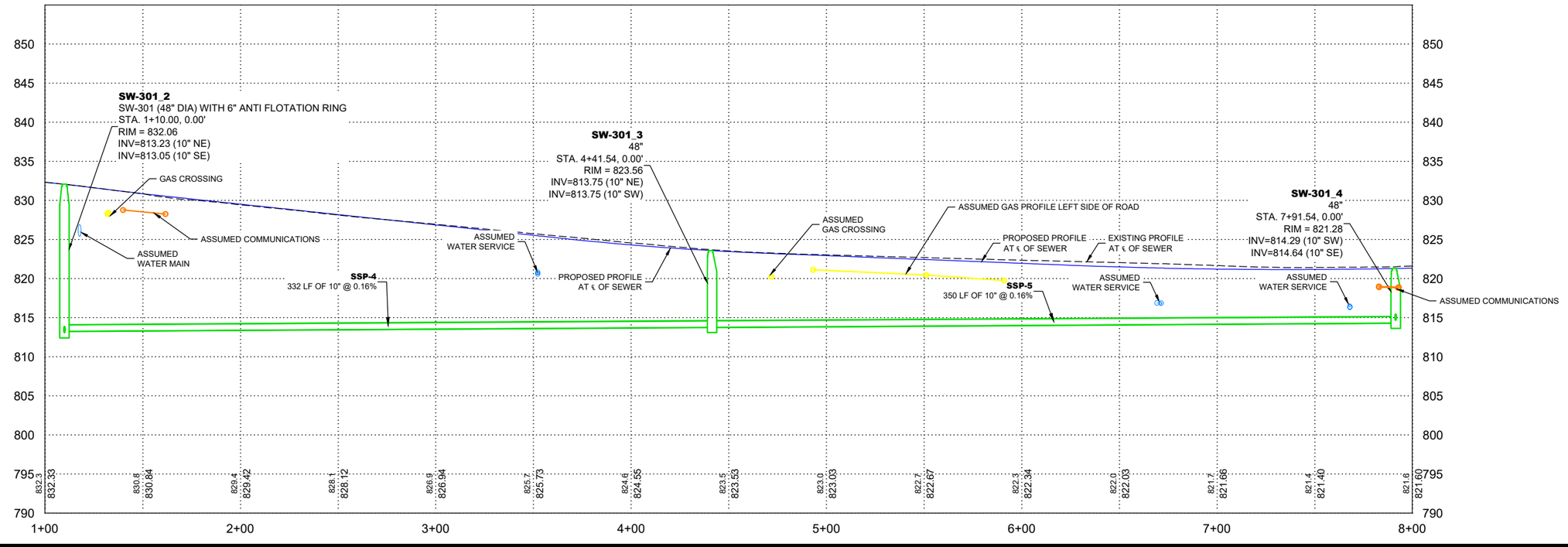


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	MSA.01

PLOTTED: Friday, October 16, 2026 10:49:04 AM

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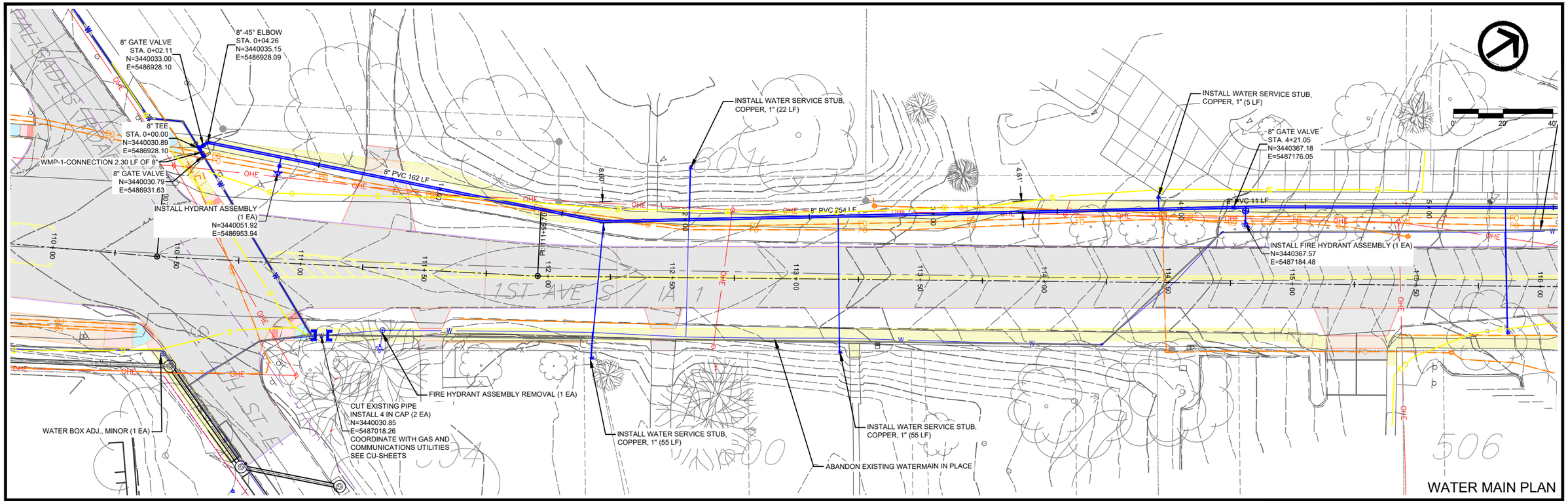




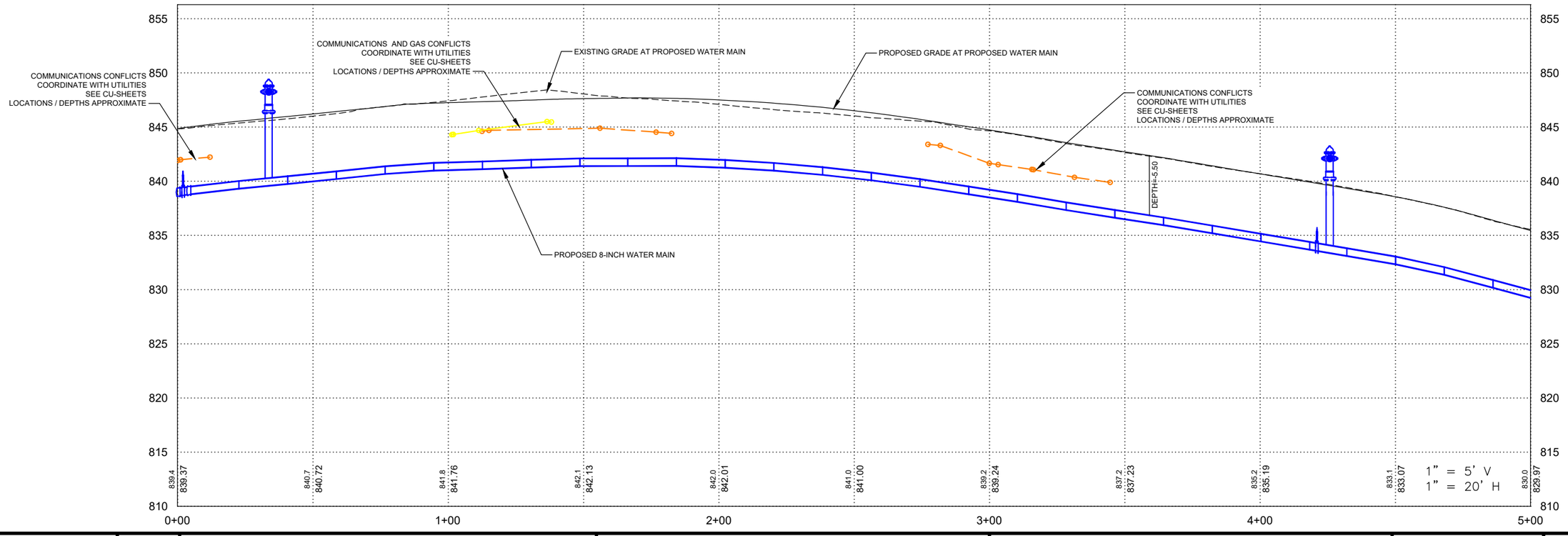
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PLOTTED: Friday, October 16, 2026 10:49:12 AM

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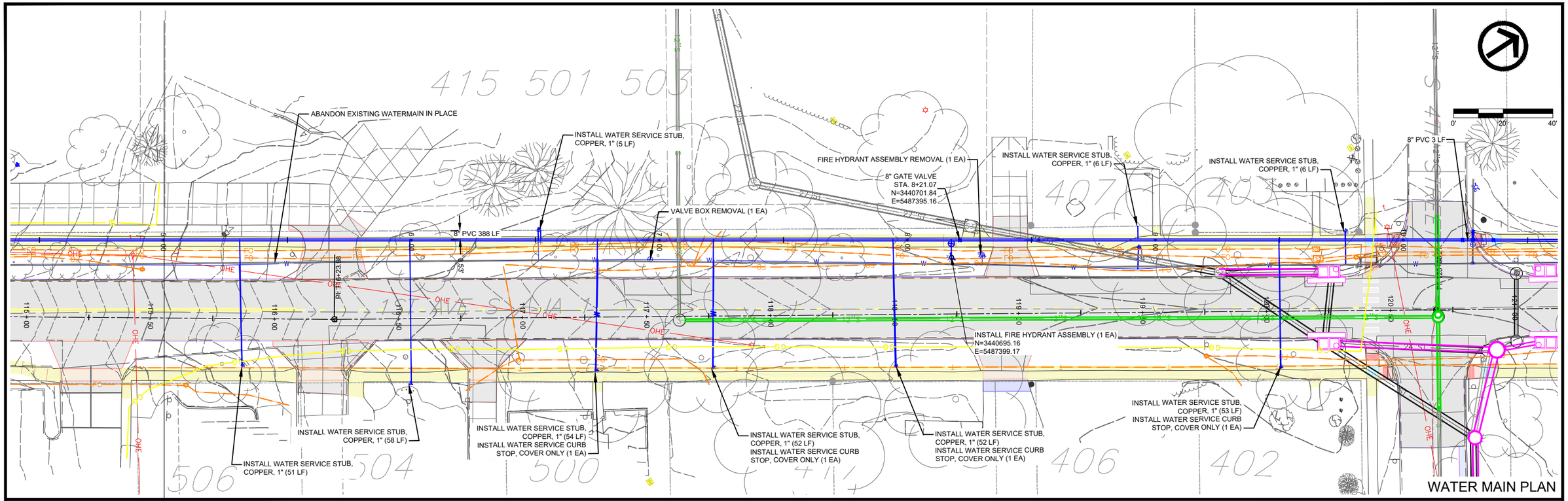
WATER MAIN PLAN

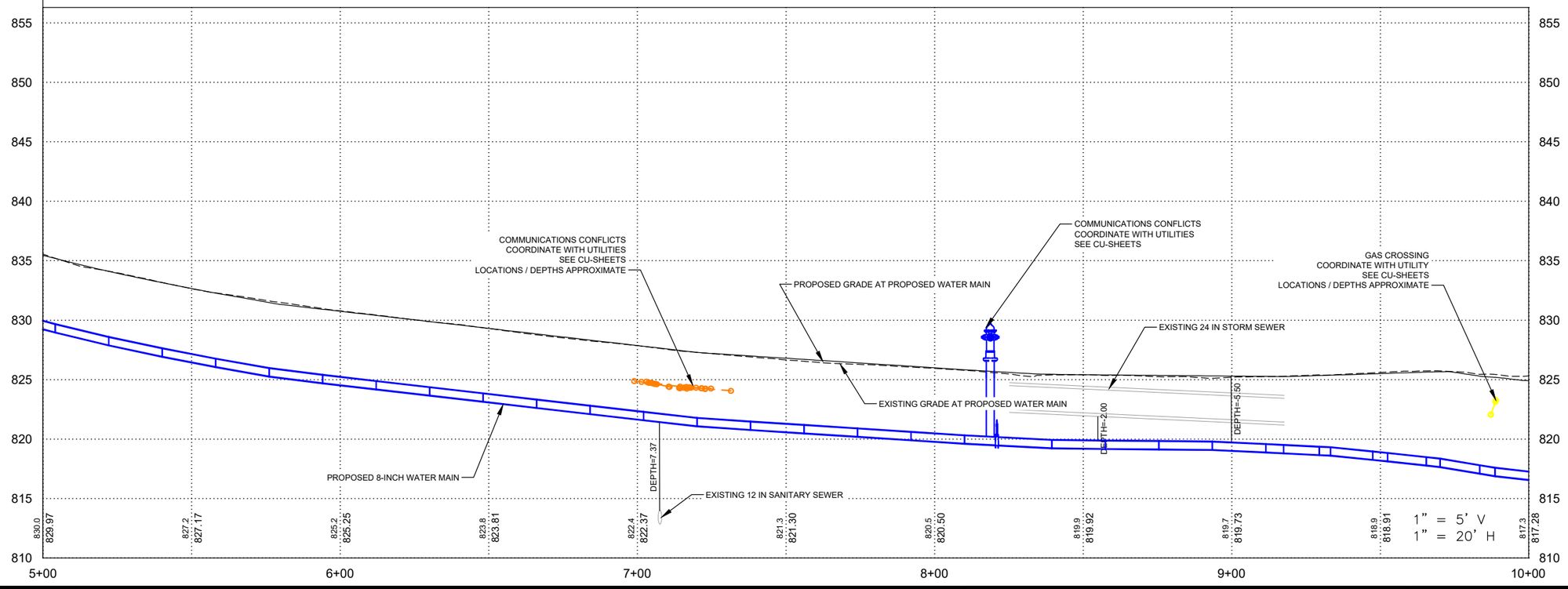


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER MWM.01

PLOTTED: Friday, October 16, 2026 10:49:41 AM

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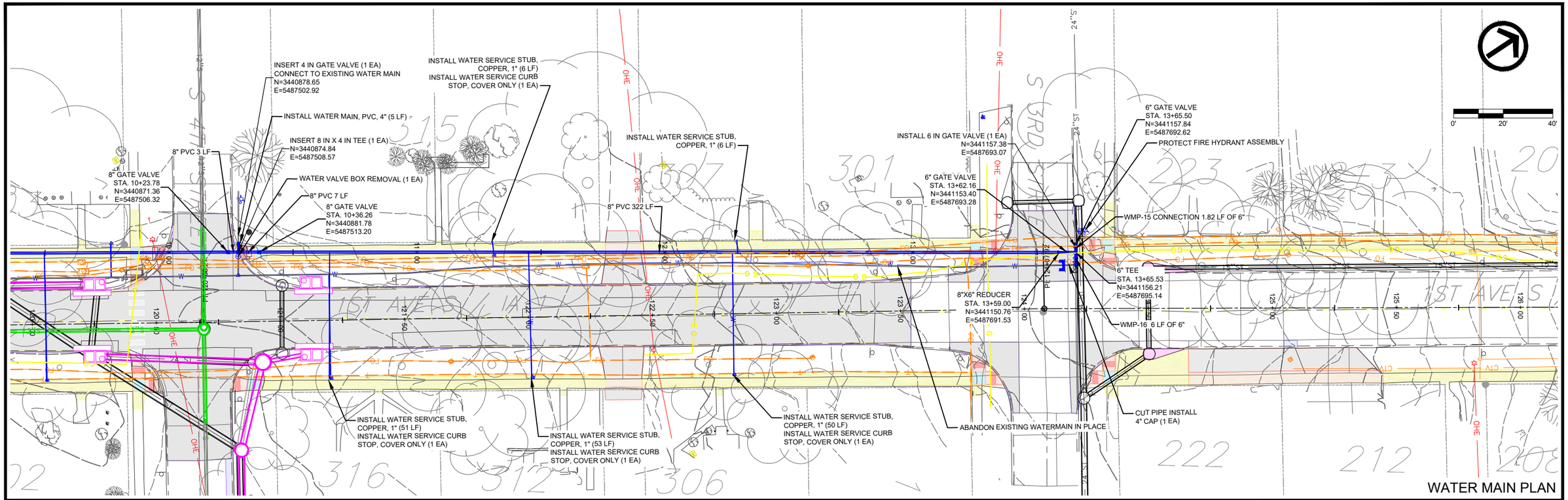




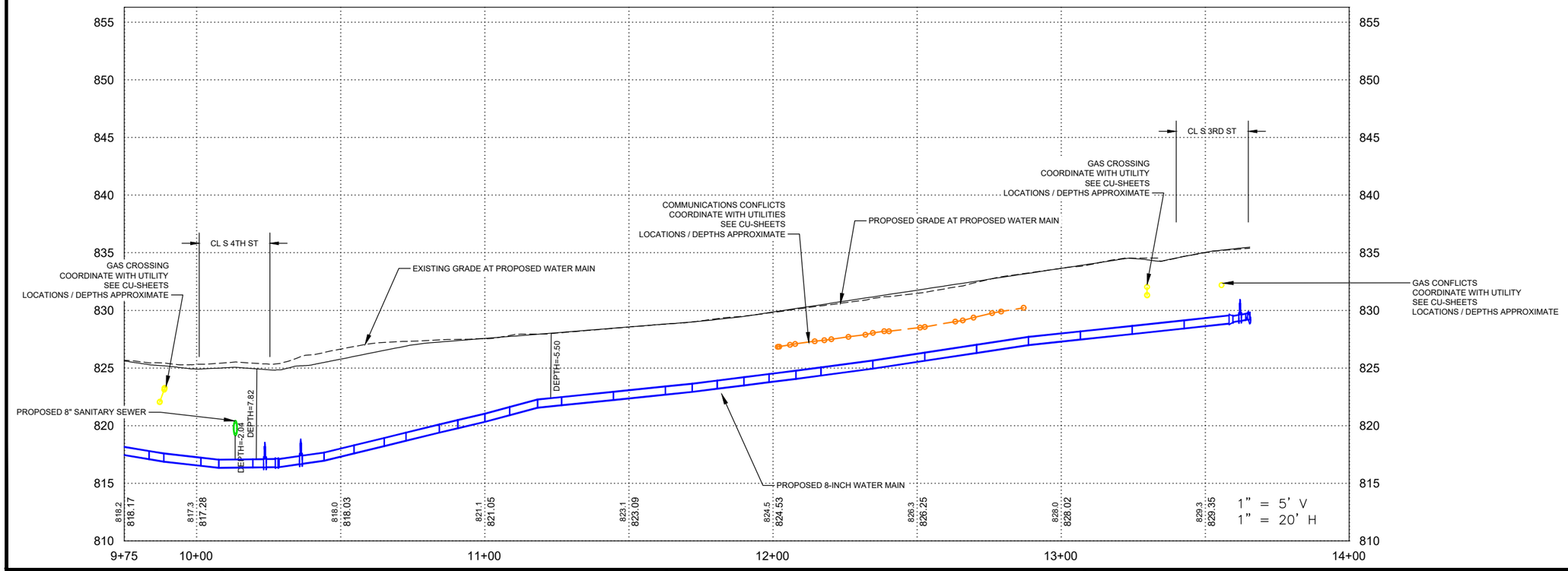
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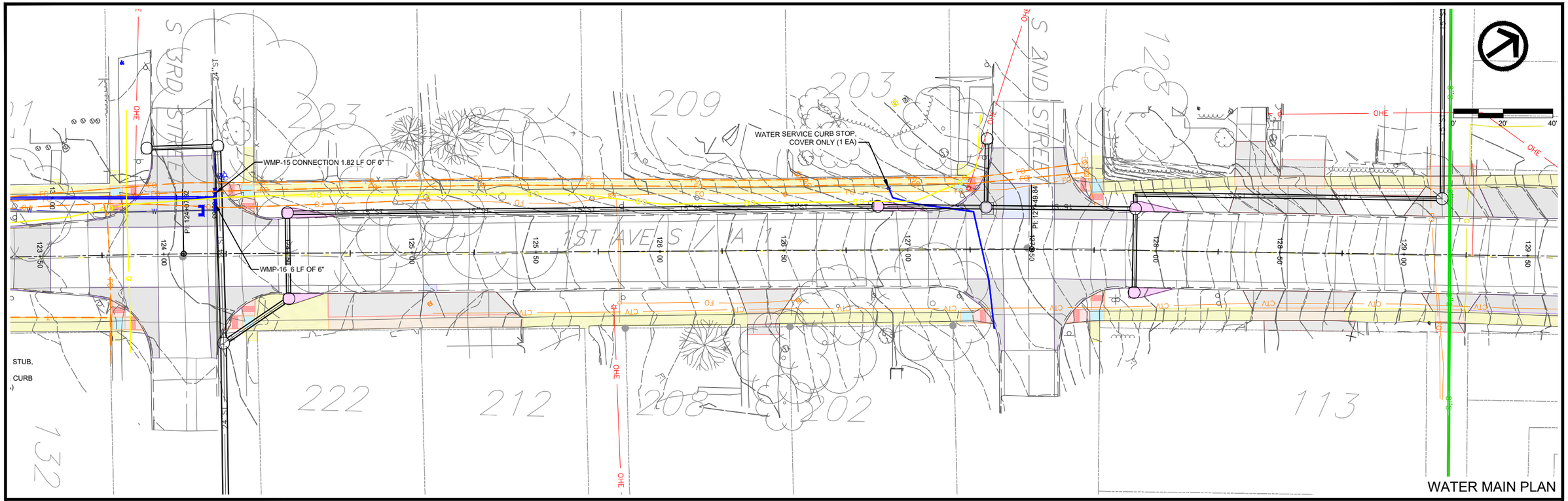


WATER MAIN PLAN

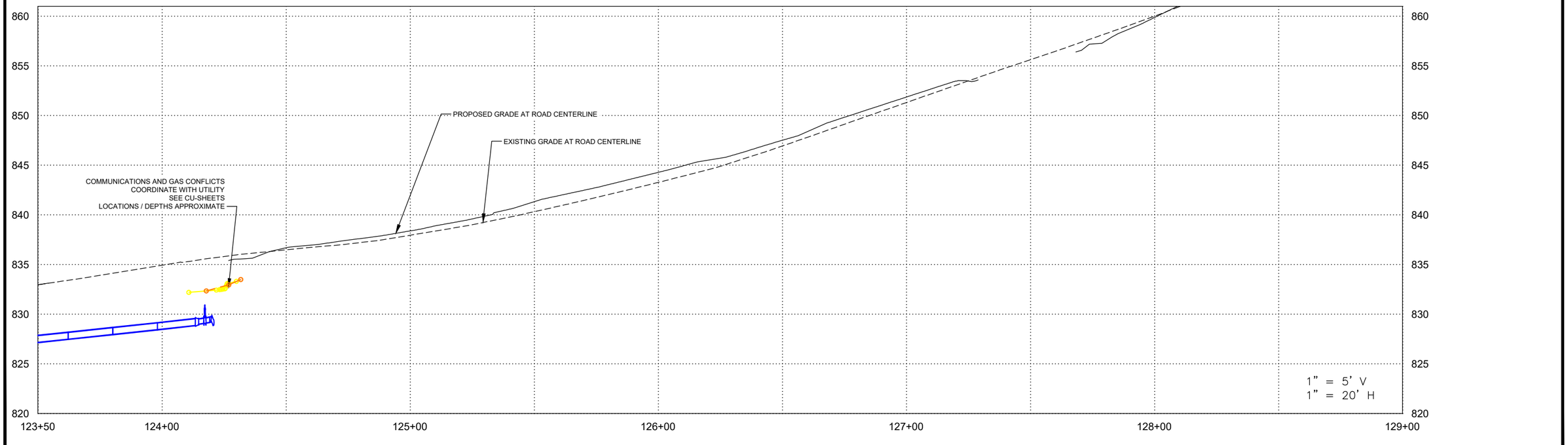


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER MWM.03

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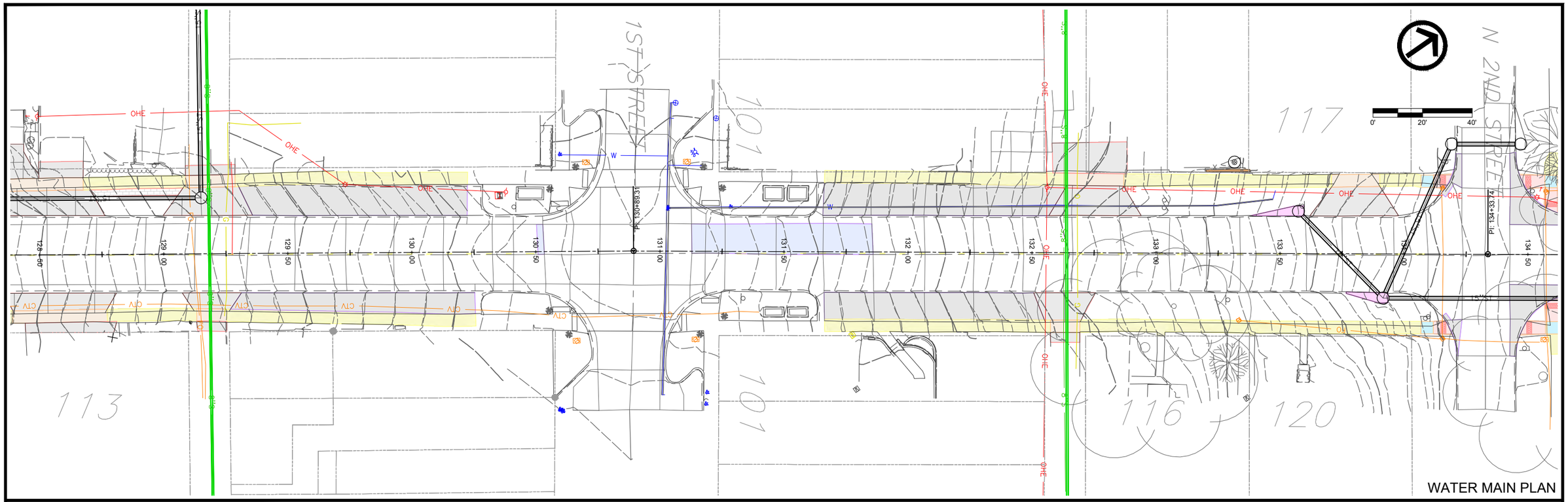


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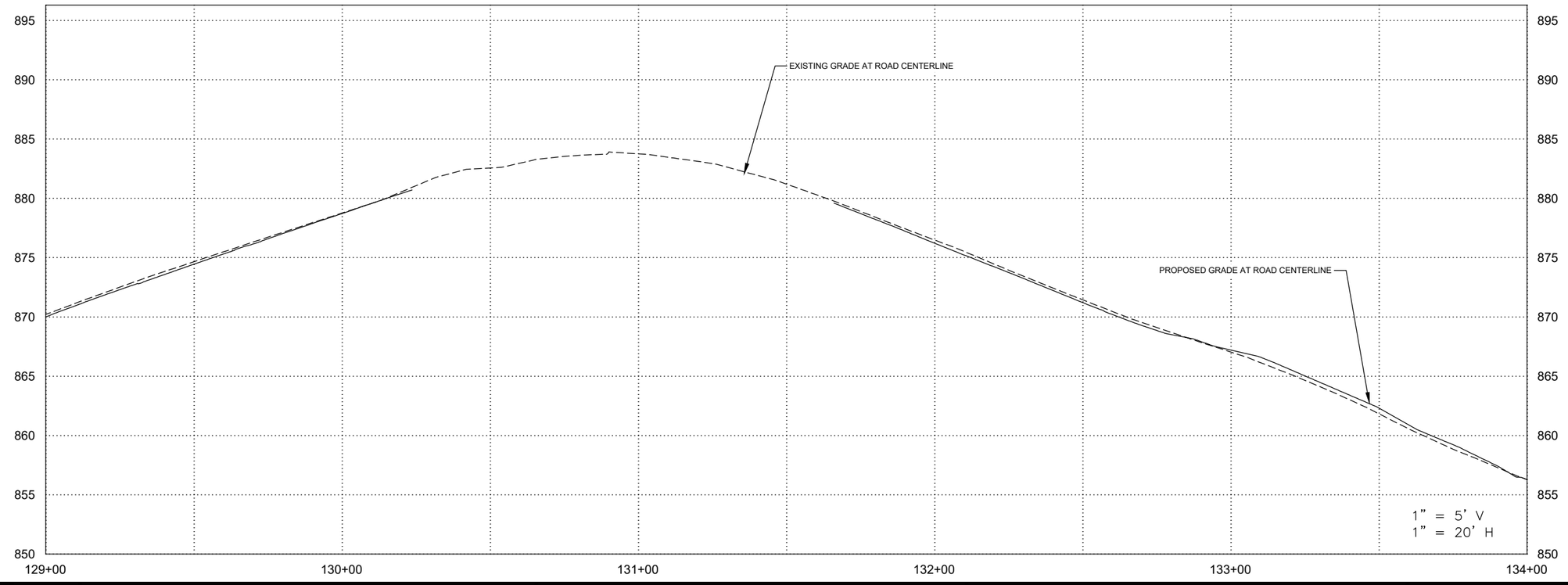


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER MWM.04

PLOTTED: Friday, October 16, 2026 10:50:12 AM FILE PATH: \\CORIA-NASNIP01.KLEINFELDER.COM\CRVLSHARE\0500\0513-MOUNT_VERNON\0513-0061_HGHWY_1_RECONSTRUCTION_DS_DESIGN_AND_PLANNING\CADD_DESIGN\51361 DESIGN WATER



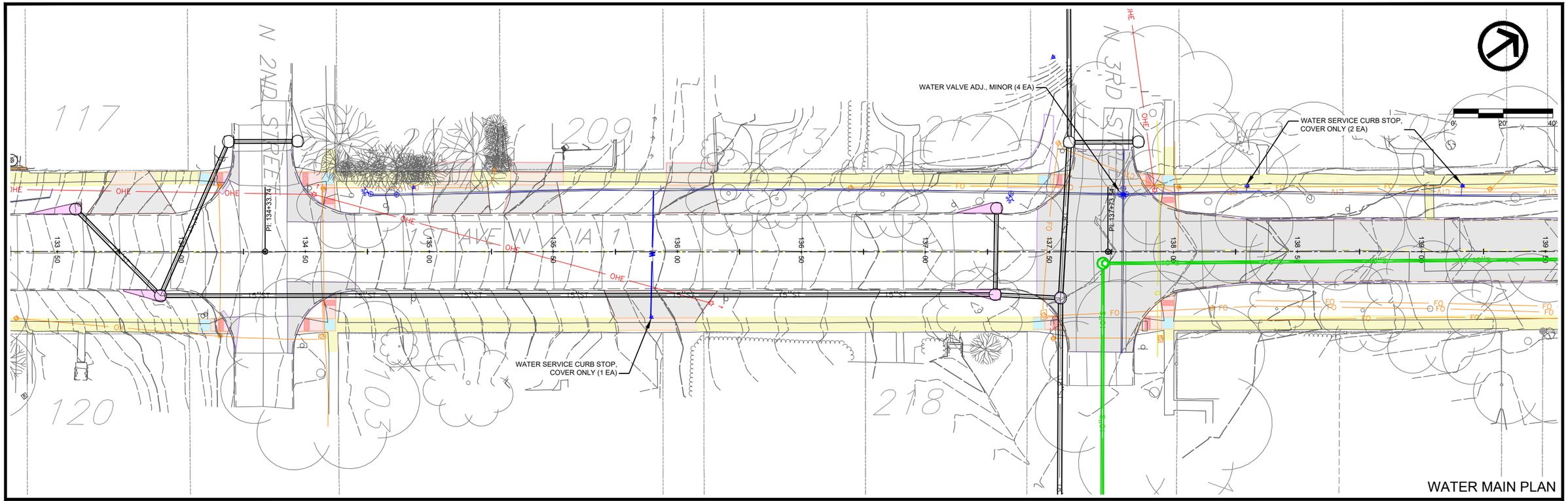
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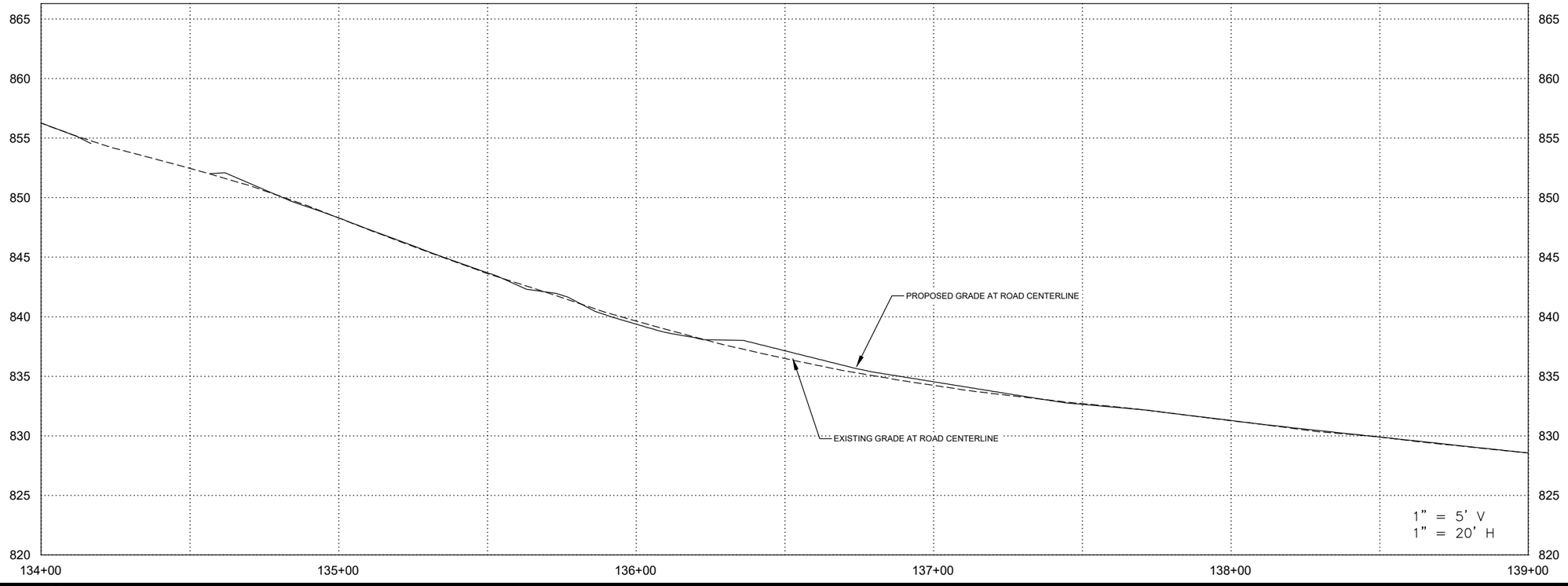


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER MWM.05

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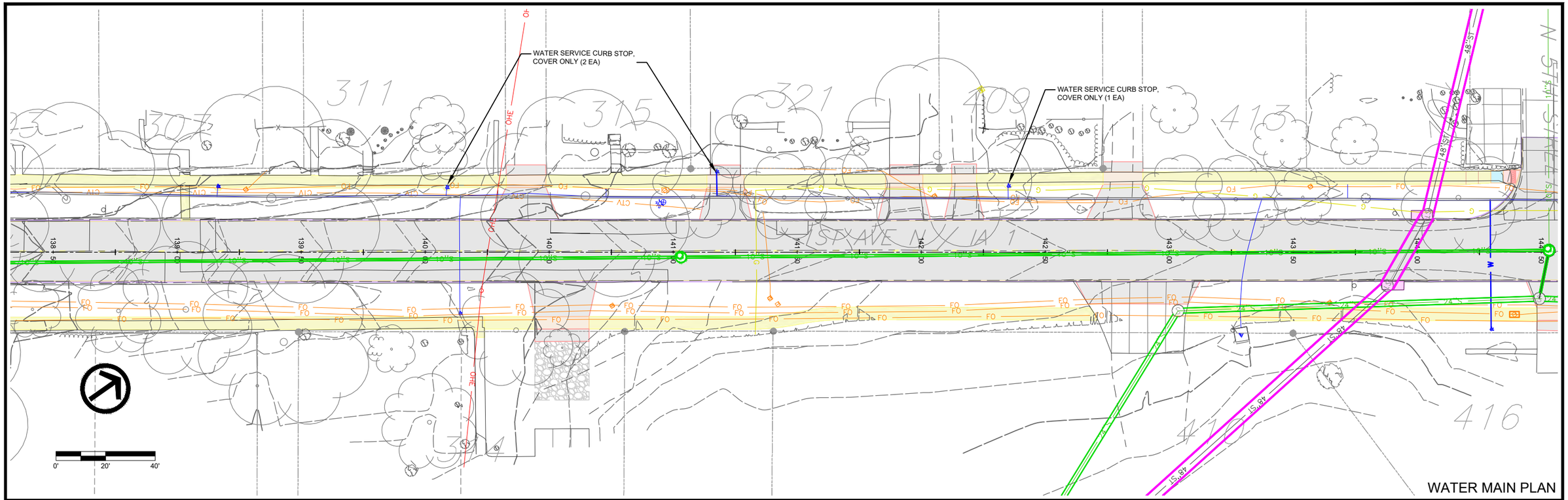




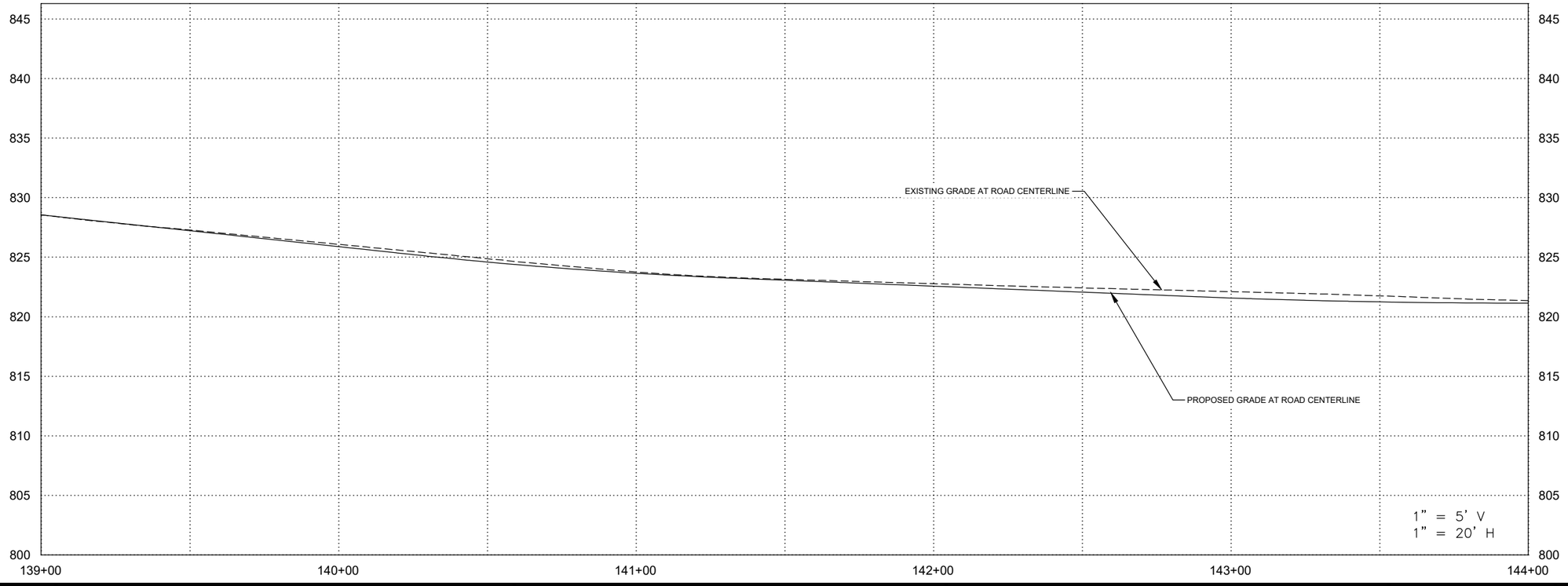
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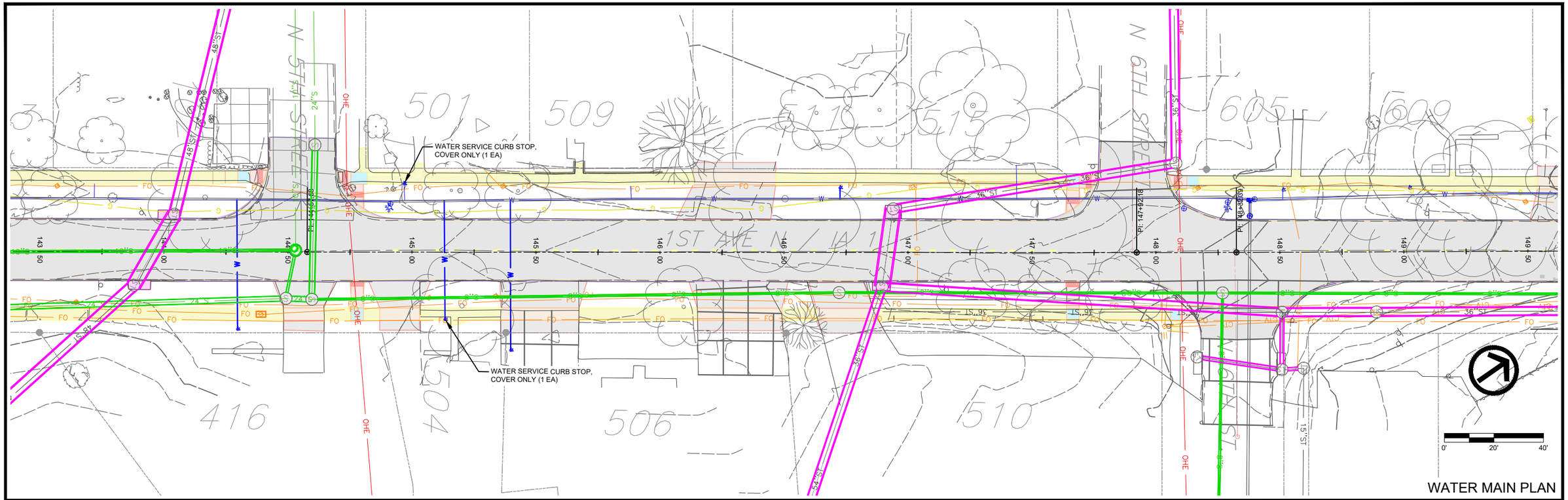
WATER MAIN PLAN



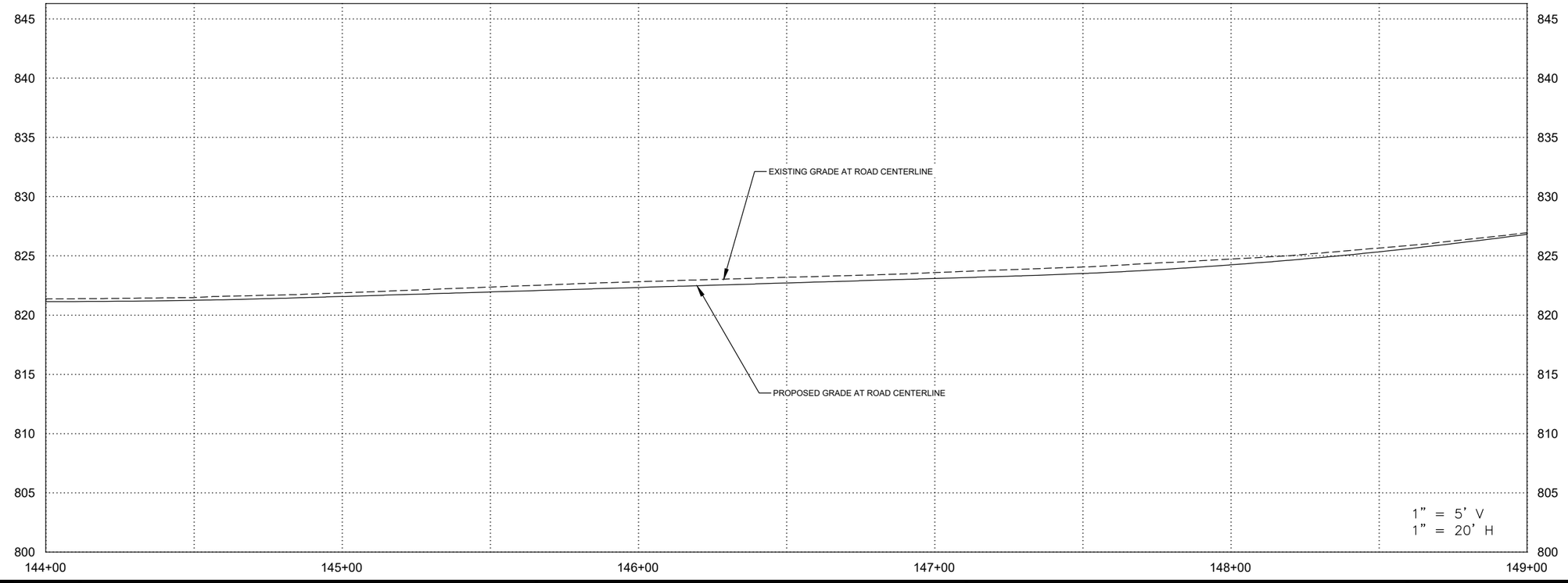
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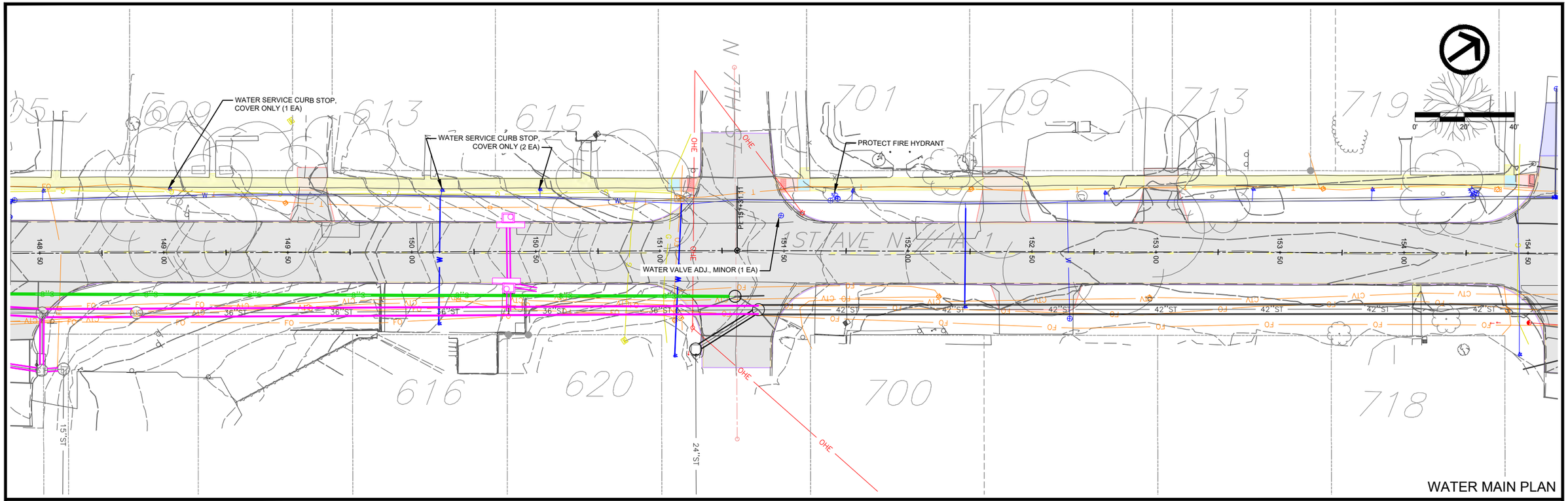
WATER MAIN PLAN



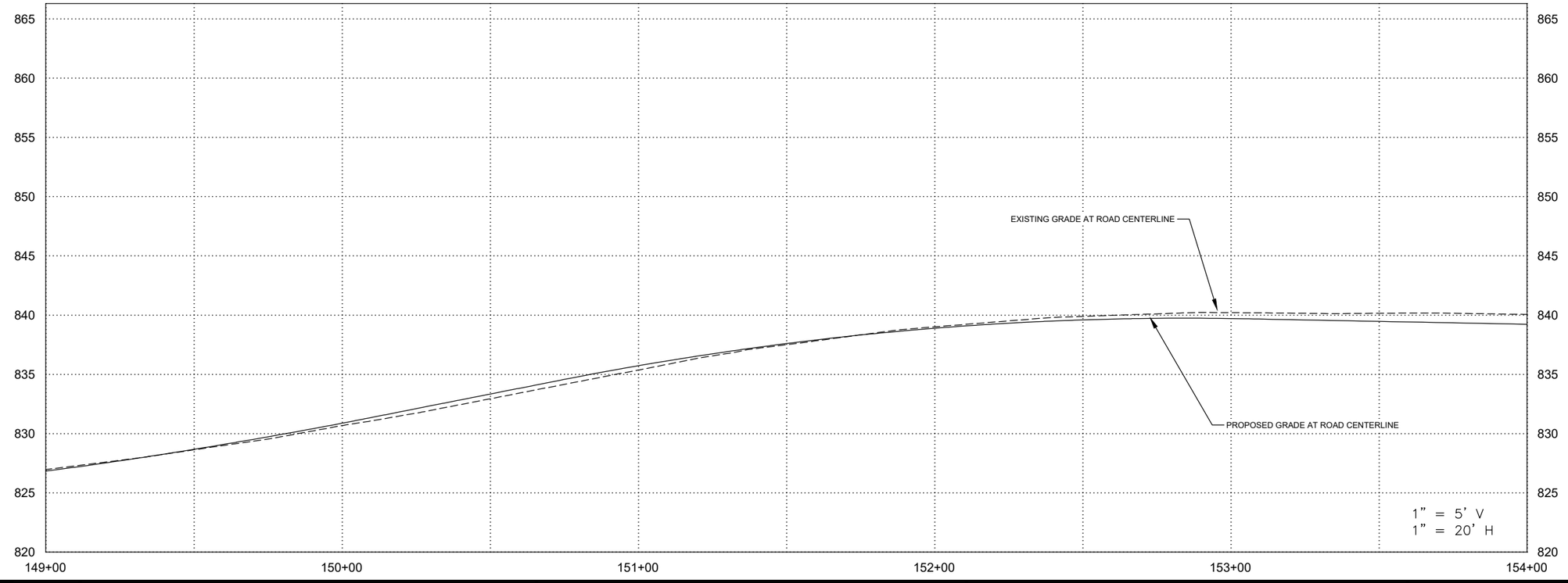
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PLOTTED: Friday, October 16, 2026 10:50:51 AM

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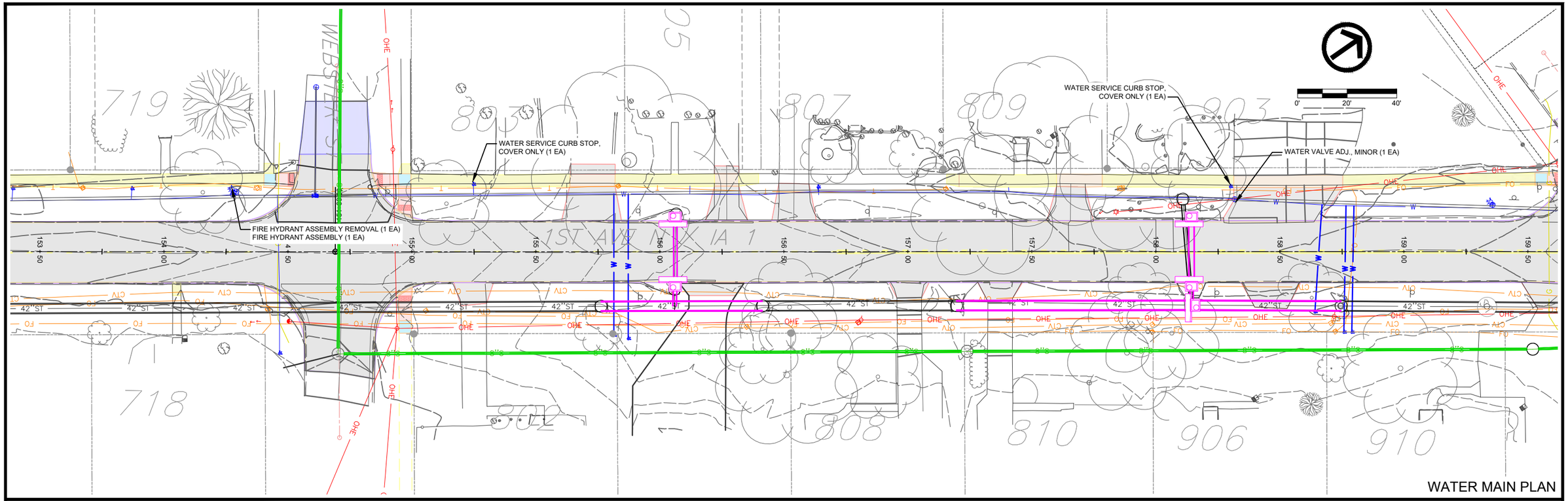
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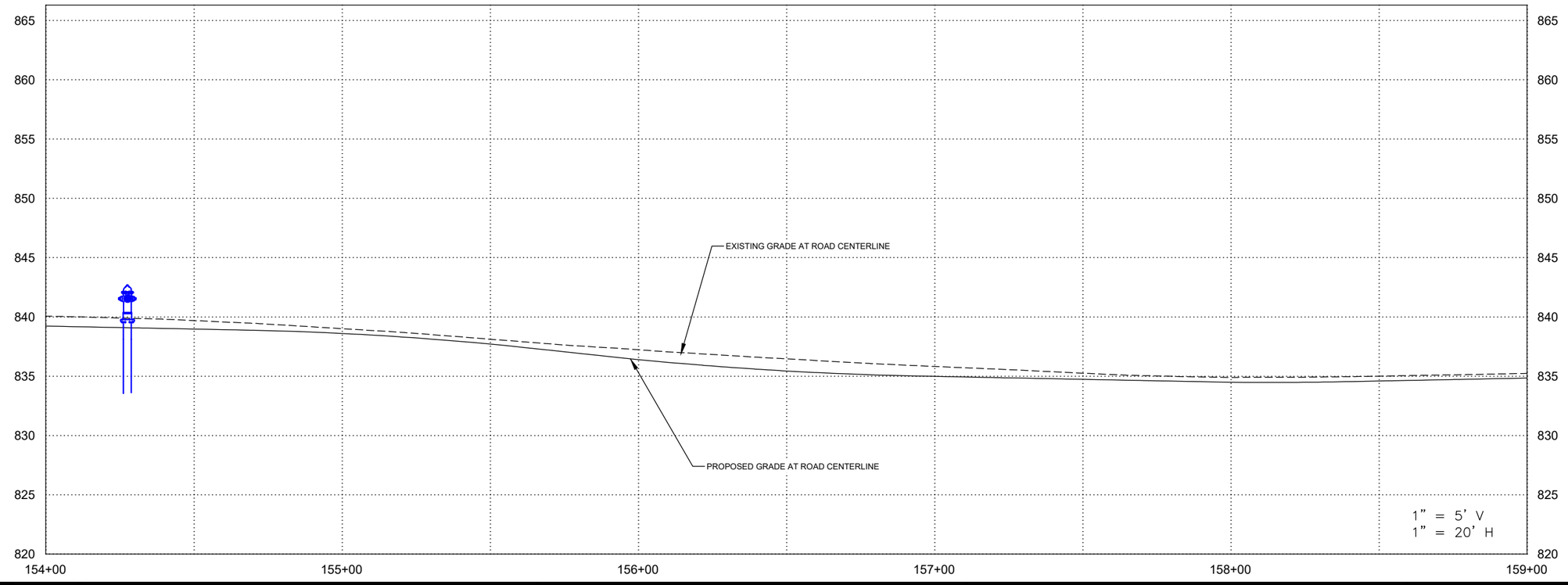
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	MWM.09

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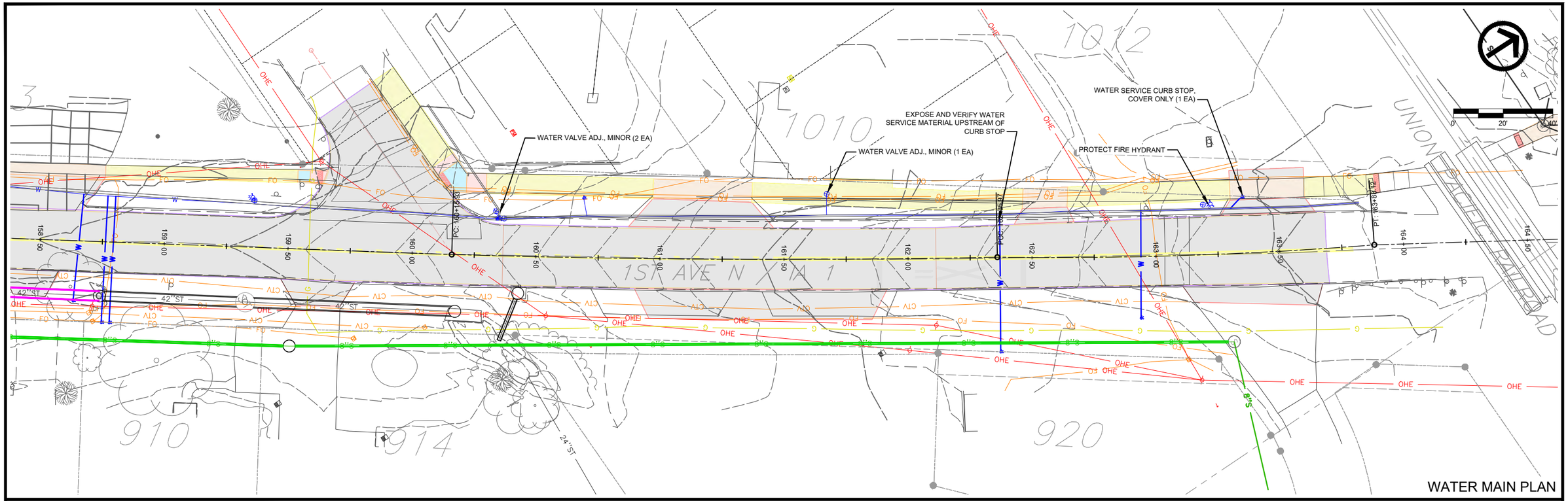
WATER MAIN PLAN



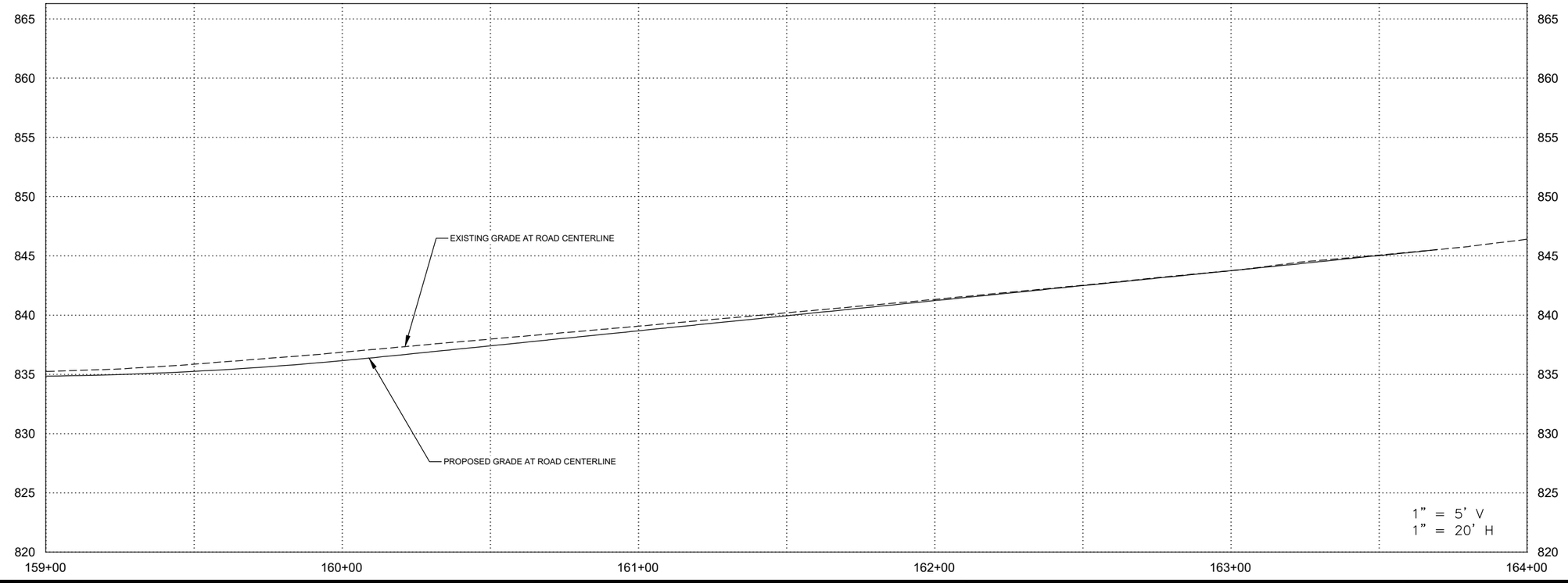
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WATER MAIN PLAN



FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER MWM.11

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Pipe Name	Pipe Size	2D Length (LF)
WMP-1-CONNECTION	8-inch	2
WMP-2	8-inch	2
WMP-3	8-inch	2
WMP-4	8-inch	162
WMP-5	8-inch	254
WMP-6	8-inch	11
WMP-7	8-inch	388
WMP-8	8-inch	202
WMP-9	8-inch	3
WMP-10 CONNECTION	4-inch	2
WMP-11	8-inch	7
WMP-12	8-inch	322
WMP-13	6-inch	2
WMP-14	6-inch	2
WMP-15 CONNECTION	6-inch	2
WMP-16 CONNECTION	6-inch	6

Fitting - Bend		
No.	Type	Size
1	45	8"

Hydrant
No.
1
1
1
1

Service		
No.	Type	Length (LF)
1	SERVICE STUB, COPPER	55
1	SERVICE STUB, COPPER	22
1	SERVICE STUB, COPPER	55
1	SERVICE STUB, COPPER	5
1	SERVICE STUB, COPPER	51
1	SERVICE STUB, COPPER	58
1	SERVICE STUB, COPPER	5
1	SERVICE STUB, COPPER & COVER	54
1	SERVICE STUB, COPPER & COVER	52
1	SERVICE STUB, COPPER& COVER	52
1	SERVICE STUB, COPPER	6
1	SERVICE STUB, COPPER& COVER	53
1	SERVICE STUB, COPPER& COVER	6
1	SERVICE STUB, COPPER& COVER	51
1	SERVICE STUB, COPPER	6
1	SERVICE STUB, COPPER& COVER	53
1	SERVICE STUB, COPPER& COVER	50
1	SERVICE STUB, COPPER	6
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	CURB STOP COVER ONLY	
1	VERIFY SERVICE MATERIAL	
1	CURB STOP COVER ONLY	

Fitting - Reducer	
No.	Size
1	8x6

Fitting - TEE	
No.	Size
1	8x8x8
1	8x8x4
1	6x6x6

Gate Valve	
No.	Size
1	8"
1	8"
1	8"
1	8"
1	8"
1	8"
1	4"
1	6"
1	6"

Cap	
QTY	Size
3	4"
0	6"

SCALE TABLES 1.5X

WATER MAIN TABLES

LEGEND

- SEEDING
- PERIMETER CONTROL
- INTAKE SEDIMENT FILTER

EROSION CONTROL NOTES:
1. FOLLOW ALL REQUIRED EROSION CONTROL PRACTICES IN PROJECT SWPPP.
2. ALL TREES, SHRUBS, AND PLANTINGS NOT CALLED OUT FOR REMOVAL ARE TO BE PROTECTED. REMOVALS ARE NOT SHOWN ON R SHEETS; REFERENCE APPROPRIATE PLAN SHEETS.
3. CONTRACTOR SHALL VERIFY REMOVAL OF ANY TREES OR SHRUBS WITH ENGINEER BEFORE REMOVAL.

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE (202 LF)

PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE (325 LF)

1ST AVE S / IA 1

RALISADES ROAD

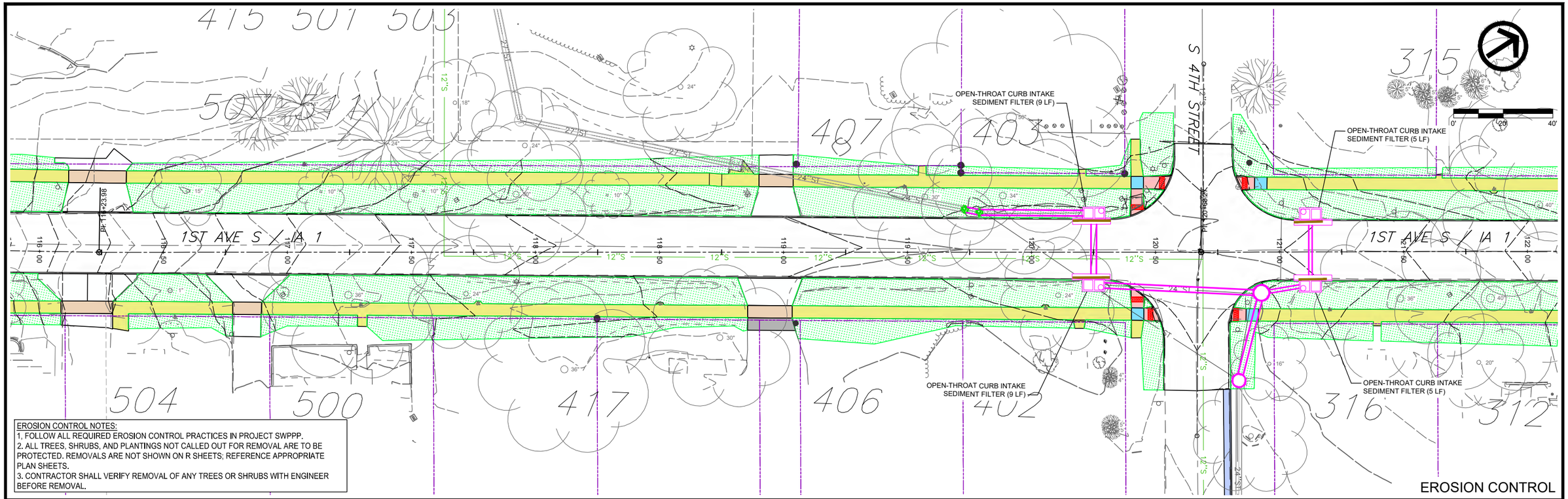
S. 7TH ST E.

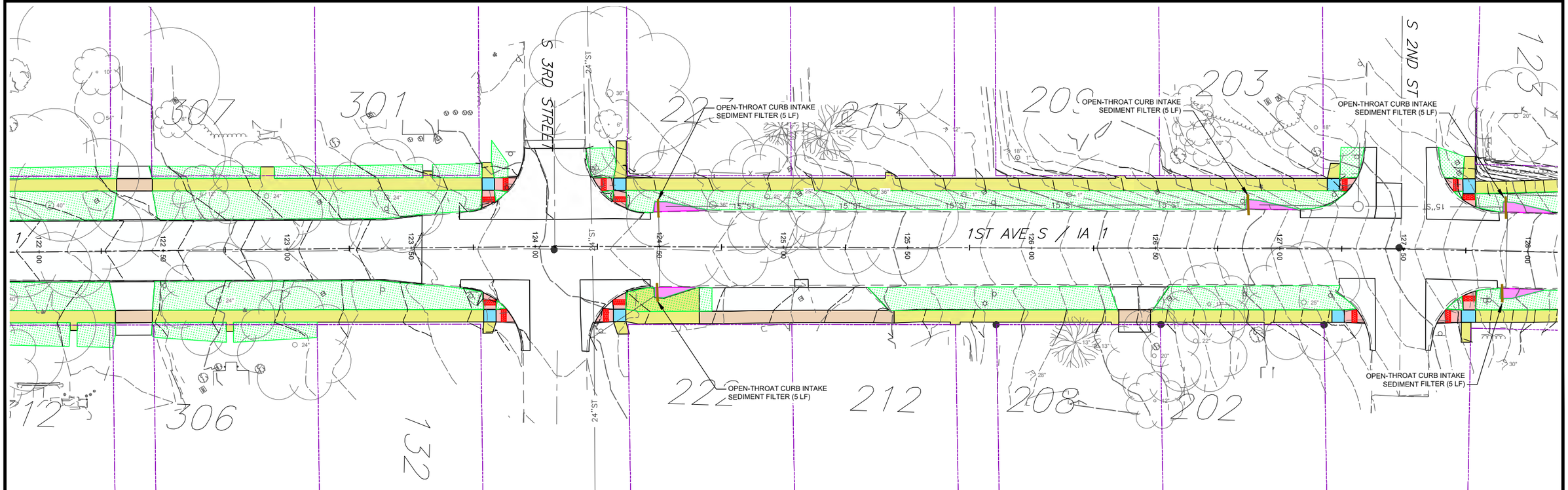
EROSION CONTROL

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	R.01

PLOTTED: Friday, October 16, 2026 10:51:58 AM

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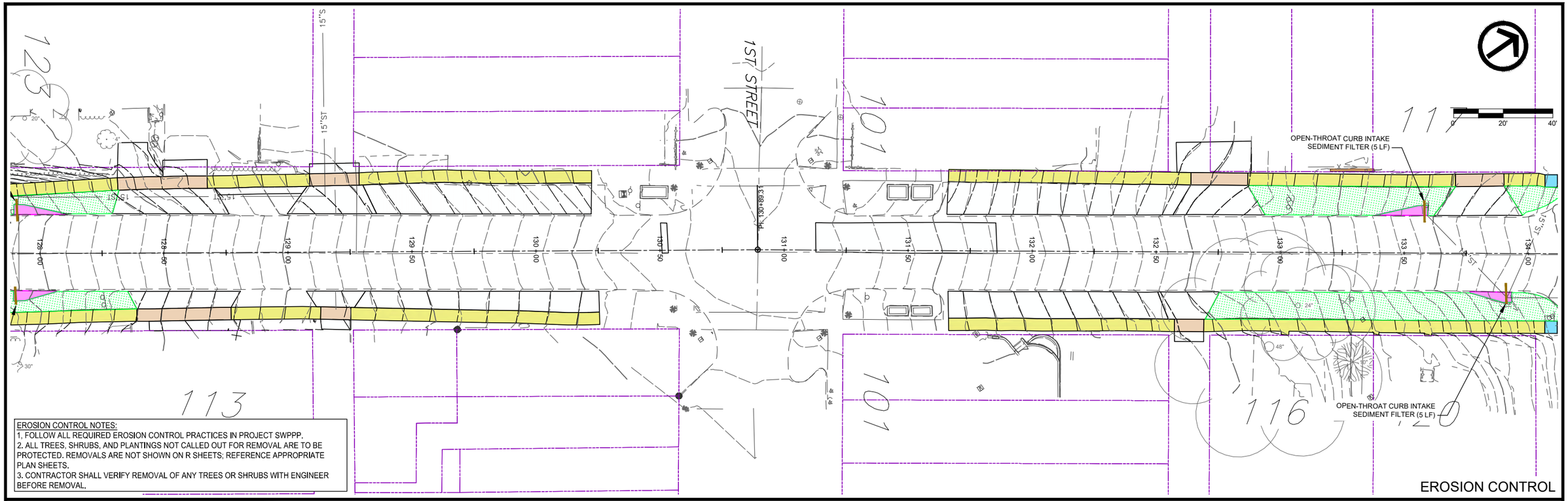




FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	R.02

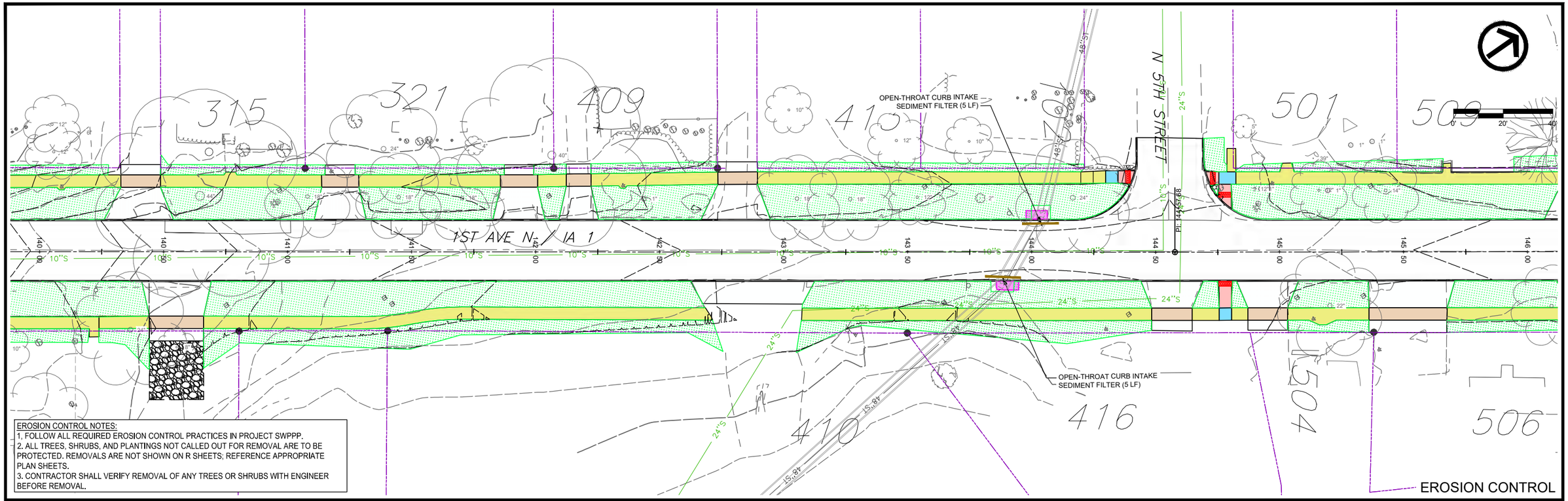
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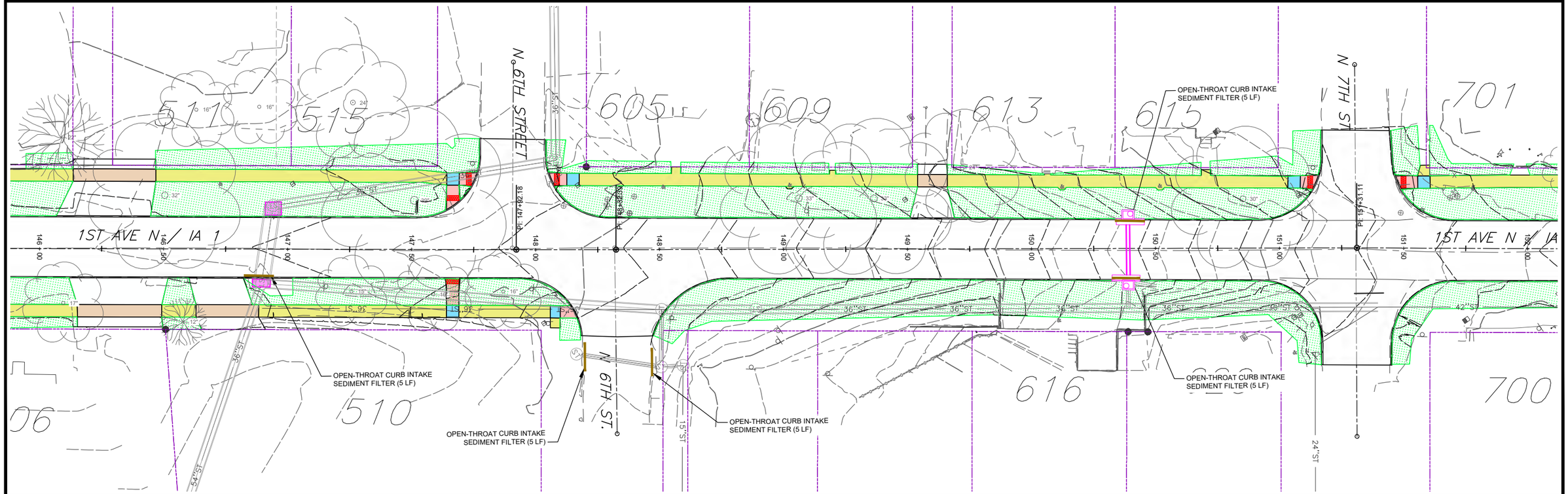
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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	R.03	

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FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	R.04

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WEBSTER ST

1ST AVE N / IA 1

OPEN-THROAT CURB INTAKE SEDIMENT FILTER (5 LF)

OPEN-THROAT CURB INTAKE SEDIMENT FILTER (5 LF)

0' 20' 40'

EROSION CONTROL NOTES:
1. FOLLOW ALL REQUIRED EROSION CONTROL PRACTICES IN PROJECT SWPPP.
2. ALL TREES, SHRUBS, AND PLANTINGS NOT CALLED OUT FOR REMOVAL ARE TO BE PROTECTED. REMOVALS ARE NOT SHOWN ON R SHEETS; REFERENCE APPROPRIATE PLAN SHEETS.
3. CONTRACTOR SHALL VERIFY REMOVAL OF ANY TREES OR SHRUBS WITH ENGINEER BEFORE REMOVAL.

EROSION CONTROL

CASS ST

1ST AVE N / IA 1

OPEN-THROAT CURB INTAKE SEDIMENT FILTER (5 LF)

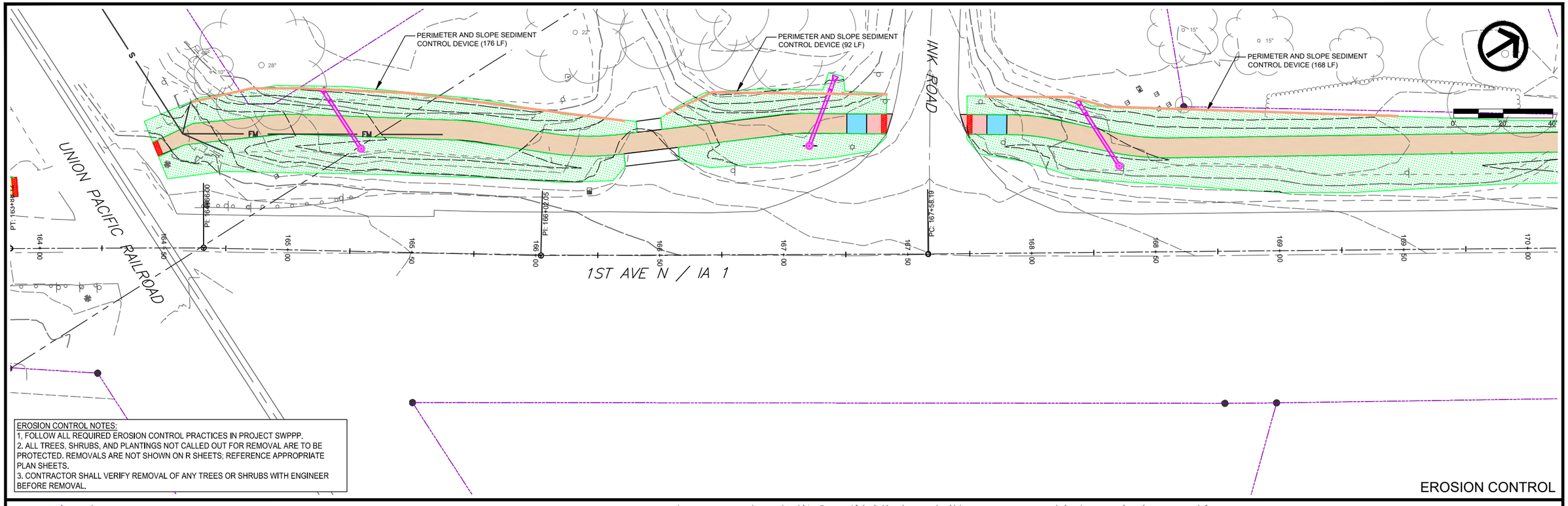
PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE (15 LF)

OPEN-THROAT CURB INTAKE SEDIMENT FILTER (5 LF)

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	R.05

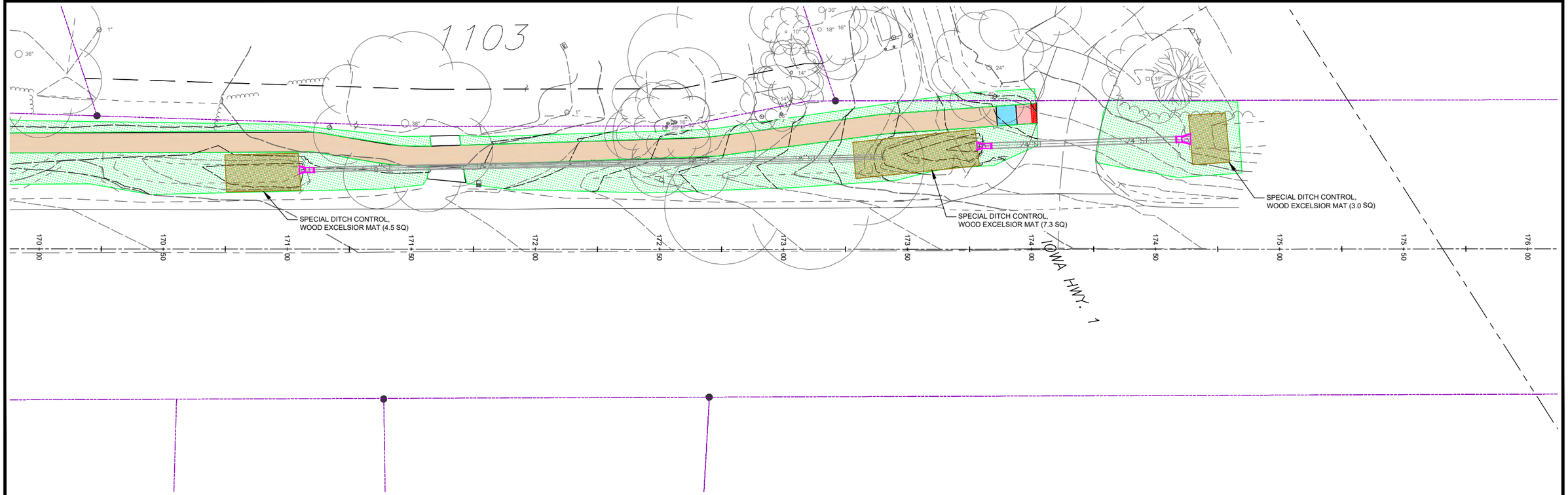
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EROSION CONTROL NOTES:
1. FOLLOW ALL REQUIRED EROSION CONTROL PRACTICES IN PROJECT SWPPP.
2. ALL TREES, SHRUBS, AND PLANTINGS NOT CALLED OUT FOR REMOVAL ARE TO BE PROTECTED. REMOVALS ARE NOT SHOWN ON R SHEETS; REFERENCE APPROPRIATE PLAN SHEETS.
3. CONTRACTOR SHALL VERIFY REMOVAL OF ANY TREES OR SHRUBS WITH ENGINEER BEFORE REMOVAL.

EROSION CONTROL



FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	R.06

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POLLUTION PREVENTION PLAN

This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) individual storm water permit. The Contractor shall carry out the terms and conditions of this permit and the Pollution Prevention Plan (PPP).
This Base PPP includes information on Roles and Responsibilities, Project Site Description, Controls, Maintenance Procedures, Inspection Requirements, Non-Storm Water Controls, Potential Sources of Off Right-of-Way Pollution, and Definitions. This plan references other documents rather than repeating the information contained in the documents. A copy of this Base Pollution Prevention Plan, amended as needed during construction, will be readily available for review.
All contractors shall conduct their operations in a manner that controls pollutants, minimizes erosion, and prevents sediments from entering waters of the state and leaving the highway right-of-way. The Contractor shall be responsible for compliance and implementation of the PPP for their entire contract. This responsibility shall be further shared with subcontractors whose work is a source of potential pollution as defined in this PPP.

I. ROLES AND RESPONSIBILITES
- A. Designer:
  1. Prepares Base PPP included in the project plan.
  2. Prepares Notice of Intent (NOI) submitted to Iowa DNR.
  3. Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.
- B. Contractor:
  1. Signs a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP. All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
  2. Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.
  3. Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.
  4. Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).
  5. Supervises and implements good housekeeping practices according to Paragraph III, C, 2.
  6. Conducts joint required inspections of the site with inspection staff. When Contractor is not mobilized on site, Contractor may delegate this responsibility to a trained or certified subcontractor. Contracting Authority also may waive joint inspection requirement during winter shutdown. In both circumstances, WPCM (or trained or certified delegate from the Contractor) is still responsible to review and sign inspection reports.
  7. Complies with training and certification requirements of Section 2602 of the Standard Specifications.
  8. Submits amended PPP site map according to Section 2602 of the Standard Specifications.
- C. Subcontractors:
  1. Sign a co-permittee certification statement adhering to the requirements of the NPDES permit and this PPP if: responsible for sediment or erosion controls; involved in land disturbing activities; or perorming work that is a source of potential pollution as defined in this PPP. Subcontracted work items are identified in Subcontractor Request Forms (Form 830231). All co-permittees are legally required under the Clean Water Act and the Iowa Administrative Code to ensure compliance with the terms and conditions of this PPP.
  2. Implement good housekeeping practices according to Paragraph III, C, 2.
- D. RCE/Project Engineer:
  1. Is Project Storm Water Manager.
  2. On projects where DOT is the Contracting Authority, is current with erosion control training or certification.
  3. Takes actions necessary to ensure compliance with storm water requirements including, where appropriate, issuing stop work orders, and directing additional inspections at construction project sites that are experiencing problems with achieving permit compliance.
  4. Orders the taking of measures to cease, correct, prevent, or minimize the consequences of non-compliance with the storm water requirements of the Applicable Permit.
  5. Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.
  6. Requires employees, contractors, and subcontractors to take appropriate responsive action to comply with storm water requirements, including requiring any such person to cease or correct a violation of storm water requirements, and to order or recommend such other actions as necessary to meet storm water requirements.
  7. Is familiar with the Project PPP and storm water site map.
  8. On projects where DOT is Contracting Authority, is responsible for periodically monitoring inspection reports to determine whether deficiencies identified in inspection reports were adequately and timely addressed, and if not, has the authority and responsibility to direct immediate actions to correct the deficiencies.
  9. Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.
  10. Is signature authority on Notice of Discontinuation.
  11. Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).
  12. Makes information to determine permit compliance available to the DNR upon their request.
- E. Inspector:
  1. Updates PPP through fieldbook entries and storm water site inspection reports if there is a change in design, construction, operation, or maintenance which has a significant effect on the discharge of pollutants from the project.
  2. Makes information to determine permit compliance available to the DNR upon their request.
  3. Conducts joint required inspections of the site with the contractor/subcontractor.
  4. Completes an inspection report after each inspection.
  5. Is signature authority on storm water inspection reports.

II. PROJECT SITE DESCRIPTION
- A. This Pollution Prevention Plan (PPP) is for the construction of a roadway, sidewalk reconstruction, storm sewer reconstruction, sanitary sewer reconstruction, and water main reconstruction project.
- B. This PPP covers approximately 10.0 acres with an estimated 8.0 acres being disturbed. The portion of the PPP covered by this contract has 8.0 acres disturbed.
- C. The PPP is located in an area of Tama-Muscatine-Downs soil association . The estimated weighted average runoff coefficient number for this PPP after completion will be 0.72.
- D. Storm Water Site Map is located in the R sheets. Proposed slopes are shown in cross sections, details, or standard road plans. Supplemental information is located in the Tabulations in the C or CE sheets.
- E. The base storm water site map is amended by contract modifications and progress payments (fieldbook entries) of completed erosion control work. Also, due to project phasing, erosion and sediment controls shown on project plans may not be installed until needed, based on site conditions. For example, silt fence ditch checks will typically not be installed until the ditch has been installed. Installed locations may also be modified from tabulation locations by field staff. Installed locations will be documented by fieldbook entries and amended PPP site map.
- F. Runoff from most of this work will flow into municipal storm sewer, to unnamed creek, to Spring Creek, to the Cedar River. Trail work north of railroad flows into grassed ditch, to Abbe Creek, to Big Creek, to the Cedar River.

III. CONTROLS
- A. The Contractor’s ECIP specified in Article 2602.03 of the Standard Specifications for accomplishment of storm water controls should clearly describe the intended sequence of major activities, and for each activity define the control measure and the timing during the construction process that the measure will be implemented.
- B. Preserve vegetation in areas not needed for construction.
- C. Sections 2601 and 2602 of the Standard Specifications define requirements to implement erosion and sediment control measures. Actual quantities used and installed locations may vary from the Base PPP and amendment of the plan will be documented via fieldbook entries, amended PPP site map, or by contract modification. Additional erosion and sediment control items may be required as determined by the inspector and/or contractor during storm water site inspections. If the work involved is not applicable to any contract items, the work will be paid for according to Article 1109.03 paragraph B of the Standard Specifications.
  1. EROSION AND SEDIMENT CONTROLS
     - a. Stabilization Practices
       1) Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.
       2) Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:
          a) Permanently ceased on any portion of the site, or
          b) Temporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.
       3) Staged permanent and/or temporary stabilizing seeding and mulching shall be completed as the disturbed areas are completed. Incomplete areas shall be stabilized according to paragraph III, C, 1, a, 2, b above.
       4) Permanent and Temporary Stabilization practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation (105-4) in the C or R sheets.
       5) Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.
       6) Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets. Additional information may be found in the Tabulations in the C or T Tabulation sheets, or is referenced in Section 2105 of the Standard Specifications.
     - b. Structural Practices
       1) Structural practices will be implemented to divert flows from exposed soils and detain or otherwise limit runoff and the discharge of pollutants from exposed areas of the site. Additionally, structural practices may include: silt basins that provide 3600 cubic feet of storage per acre drained or equivalent sediment controls, outlet structures that withdraw water from surface when discharging basins, and controls to direct storm water to vegetated areas.
       2) Structural practices to be used for this project are located in the storm water site map, Estimated Project Quantities (100-0A, 100-1A, or 100-1C), and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the devices to be used on this project can be found on the B or R sheets or are referenced in the Standard Road Plans Tabulation (105-4) located in the C or R sheets.
     - c. Storm Water Management
       Measures shall be installed during the construction process to control pollutants in storm water discharges that will occur after construction operations have been completed. This may include velocity dissipation devices at discharge locations and along length of outfall channel as necessary to provide a non-erosion velocity flow from structure to water course. If included with this project, these items are located in the storm water site map and Estimated Project Quantities (100-0A, 100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets, as well as all other item specific Tabulations. Typical drawings detailing construction of the practices to be used on this project are referenced in the Standard Road Plans Tabulation. The installation of these devices may be subject to Section 404 of the Clean Water Act.
  2. OTHER CONTROLS
     Contractor disposal of unused construction materials and construction material wastes shall comply with applicable state and local waste disposal, sanitary sewer, or septic system regulations. In the event of a conflict with other governmental laws, rules and regulations, the more restrictive laws, rules or regulations shall apply.
     - a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.
     - b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.
     - c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.
     - d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.
     - e. Spill Prevention and Control - Implement chemical spill and leak prevention and response procedures to contain and clean up spills and prevent material discharges to the storm drain system and waters of the state.
     - f. Concrete Residuals and Washout Wastes - Waste shall not be discharged to a surface water and is not allowed to adversely affect a water of the state. Designate temporary concrete washout facilities for rinsing out concrete trucks. Provide directions to truck drivers where designated washout facilities are located. Designated washout areas should be located at least 50 feet away from storm drains, streams or other water bodies. Care should be taken to ensure these facilities do not overflow during storm events.
     - g. Concrete Grooving/Grinding Slurry – Do not discharge slurry to a waterbody or storm drain. Slurry may be applied on foreslopes or removed from the project.

POLLUTION PREVENTION PLAN

h. Vehicle and Equipment Storage and Maintenance Areas - Perform on site fueling and maintenance in accordance with all environment laws such as proper storage of onsite fuels and proper disposal of used engine oil or other fluids on site. Employ washing practices that prevent contamination of surface and ground water from wash water. Wash waters must be treated in a sediment basin or alternative control that provides equivalent or better treatment prior to discharge.
i. Litter Management - Ensure employees properly dispose of litter. Minimize exposure of trash if exposure to precipitation or storm water would result in a discharge of pollutants.
j. Dewatering – Properly treat water to remove suspended sediment before it re-enters a waterbody or discharges off-site. Measures are also to be taken to prevent scour erosion at dewatering discharge point.

3. APPROVED STATE OR LOCAL PLANS
During the course of this construction, it is possible that situations will arise where unknown materials will be encountered. When such situations are encountered, they will be handled according to all federal, state, and local regulations in effect at the time.

IV. MAINTENANCE PROCEDURES
The Contractor is required to maintain all temporary erosion and sediment control measures in proper working order, including cleaning, repairing, or replacing them throughout the contract period. This shall begin when the features have lost 50% of their capacity.

V. INSPECTION REQUIREMENTS
A. Inspections shall be made jointly by the Contractor and the Contracting Authority's inspector at least once every seven calendar days. Storm water site inspections will include:
1. Date of the inspection.
2. Summary of the scope of the inspection.
3. Name and qualifications of the personnel making the inspection.
5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.
6. Major observations related to the implementation of the PPP.
7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.

B. Include storm water site inspection reports in the Amended PPP. Incorporate any additional erosion and sediment control measures determined as a result of the inspection. Immediately begin corrective actions on all deficiencies found within 3 calendar days of the inspection and complete within 7 calendar days following the inspection. If it is determined that making the corrections less than 72 hours after the inspection is impracticable, it should be documented why it is impracticable and indicate an estimated date by which the corrections will be made.

VI. NON-STORM WATER DISCHARGES
This includes subsurface drains (i.e. longitudinal and standard subdrains) and slope drains. The velocity of the discharge from these features may be controlled by the use of headwalls or blocks, Class A stone, erosion stone or other appropriate materials. This also includes uncontaminated groundwater from dewatering operations, which will be controlled as discussed in Section III of the PPP.

VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION
Silts, sediment, and other forms of pollution may be transported onto highway right-of-way (ROW) as a result of a storm event. Potential sources of pollution located outside highway ROW are beyond the control of this PPP. Pollution within highway ROW will be conveyed and controlled per this PPP.

VIII. DEFINITIONS
A. Base PPP - Initial Pollution Prevention Plan.
B. Amended PPP - Base PPP amended during construction. May include Plan Revisions or Contract Modifications for new items, storm water site inspection reports, fieldbook entries made by the inspector, amended PPP site map by the Contractor, ECIP, NOI, co-permittee certifications, and Subcontractor Request Forms. Items amending the PPP are stored electronically and are readily available upon request.
C. Fieldbook Entries – This contains the inspector’s daily diary and bid item postings.
D. Controls - Methods, practices, or measures to minimize or prevent erosion, control sedimentation, control storm water, or minimize contaminants from other types of waste or materials. Also called Best Management Practices (BMPs).
E. Signature Authority - Representative authorized to sign various storm water documents.

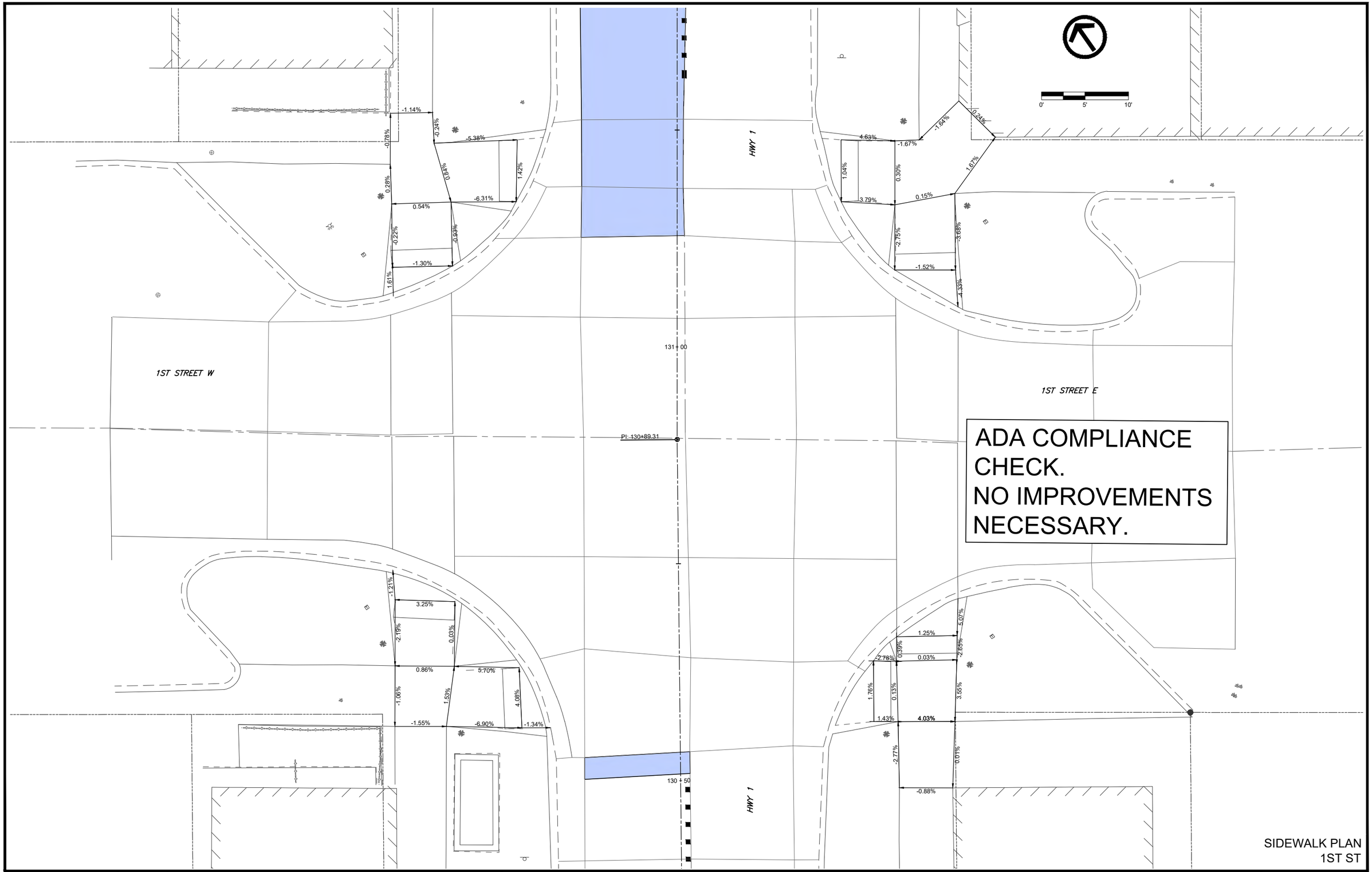
CERTIFICATION STATEMENT
I certify under penalty of law that this document and all attachments were prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system, or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information, including the possibility of fine and imprisonment for knowing violations.

_____
Signature

_____
Printed or Typed Name

_____
Signature

_____
Printed or Typed Name



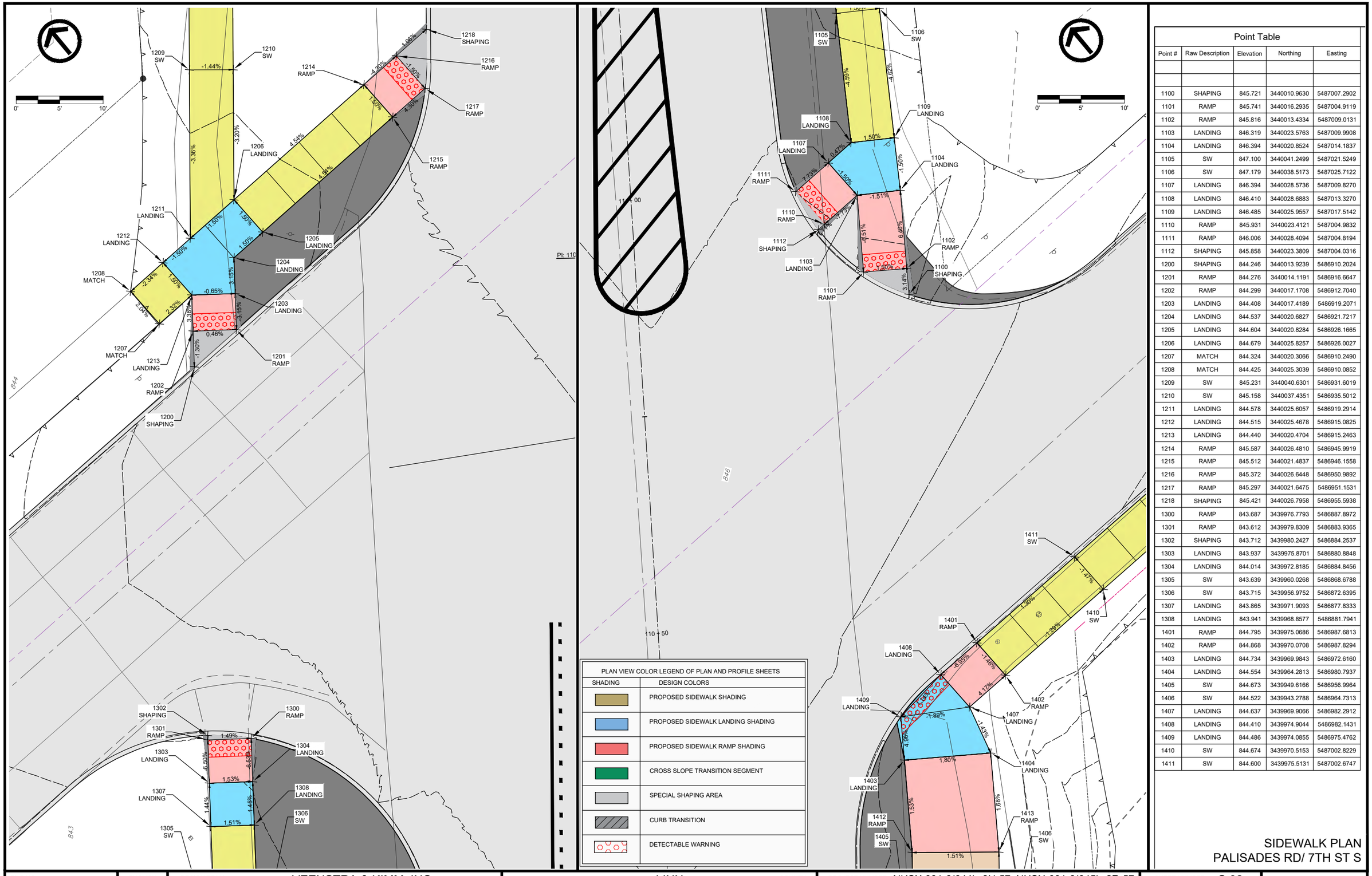
ADA COMPLIANCE CHECK.
NO IMPROVEMENTS NECESSARY.

SIDEWALK PLAN
1ST ST

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.01	

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PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

Point Table

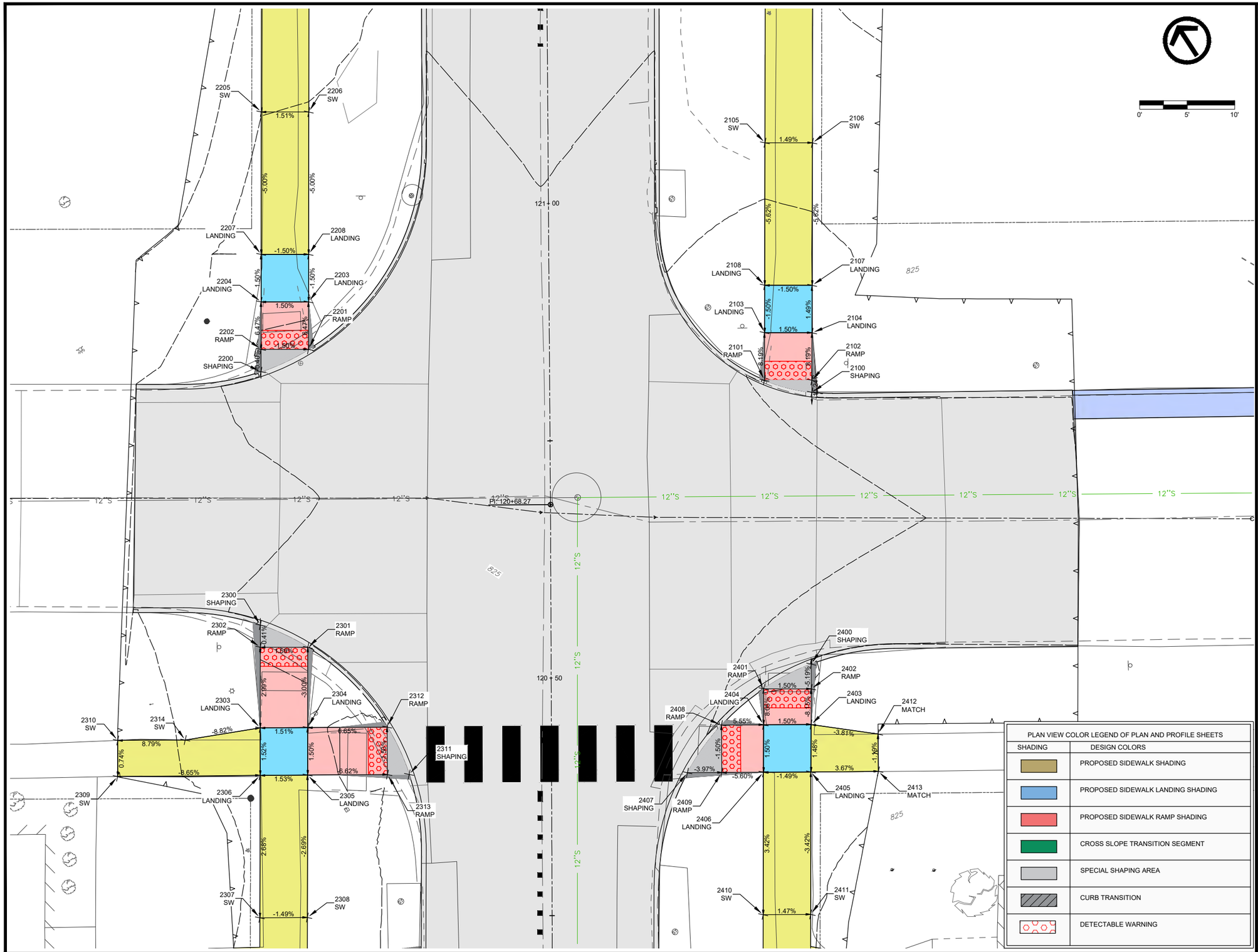
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1102	RAMP	845.816	3440013.4334	5487009.0131
1103	LANDING	846.319	3440023.5763	5487009.9908
1104	LANDING	846.394	3440020.8524	5487014.1837
1105	SW	847.100	3440041.2499	5487021.5249
1106	SW	847.179	3440038.5173	5487025.7122
1107	LANDING	846.394	3440028.5736	5487009.8270
1108	LANDING	846.410	3440028.6883	5487013.3270
1109	LANDING	846.485	3440025.9557	5487017.5142
1110	RAMP	845.931	3440023.4121	5487004.9832
1111	RAMP	846.006	3440028.4094	5487004.8194
1112	SHAPING	845.858	3440023.3809	5487004.0316
1200	SHAPING	844.246	3440013.9239	5486910.2024
1201	RAMP	844.276	3440014.1191	5486916.6647
1202	RAMP	844.299	3440017.1708	5486912.7040
1203	LANDING	844.408	3440017.4189	5486919.2071
1204	LANDING	844.537	3440020.6827	5486921.7217
1205	LANDING	844.604	3440020.8284	5486926.1665
1206	LANDING	844.679	3440025.8257	5486926.0027
1207	MATCH	844.324	3440020.3066	5486910.2490
1208	MATCH	844.425	3440025.3039	5486910.0852
1209	SW	845.231	3440040.6301	5486931.6019
1210	SW	845.158	3440037.4351	5486935.5012
1211	LANDING	844.578	3440025.6057	5486919.2914
1212	LANDING	844.515	3440025.4678	5486915.0825
1213	LANDING	844.440	3440020.4704	5486915.2463
1214	RAMP	845.587	3440026.4810	5486945.9919
1215	RAMP	845.512	3440021.4837	5486946.1558
1216	RAMP	845.372	3440026.6448	5486950.9892
1217	RAMP	845.297	3440021.6475	5486951.1531
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1300	RAMP	843.687	3439976.7793	5486887.8972
1301	RAMP	843.612	3439979.8309	5486883.9365
1302	SHAPING	843.712	3439980.2427	5486884.2537
1303	LANDING	843.937	3439975.8701	5486880.8848
1304	LANDING	844.014	3439972.8185	5486884.8456
1305	SW	843.639	3439960.0268	5486868.6788
1306	SW	843.715	3439956.9752	5486872.6395
1307	LANDING	843.865	3439971.9093	5486877.8333
1308	LANDING	843.941	3439968.8577	5486881.7941
1401	RAMP	844.795	3439975.0686	5486987.6813
1402	RAMP	844.868	3439970.0708	5486987.8294
1403	LANDING	844.734	3439969.9843	5486972.6160
1404	LANDING	844.554	3439964.2813	5486980.7937
1405	SW	844.673	3439949.6166	5486956.9964
1406	SW	844.522	3439943.2788	5486964.7313
1407	LANDING	844.637	3439969.9066	5486982.2912
1408	LANDING	844.410	3439974.9044	5486982.1431
1409	LANDING	844.486	3439974.0855	5486975.4762
1410	SW	844.674	3439970.5153	5487002.8229
1411	SW	844.600	3439975.5131	5487002.6747

SIDEWALK PLAN
PALISADES RD/ 7TH ST S

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.02

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PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
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	CURB TRANSITION
	DETECTABLE WARNING

Point Table

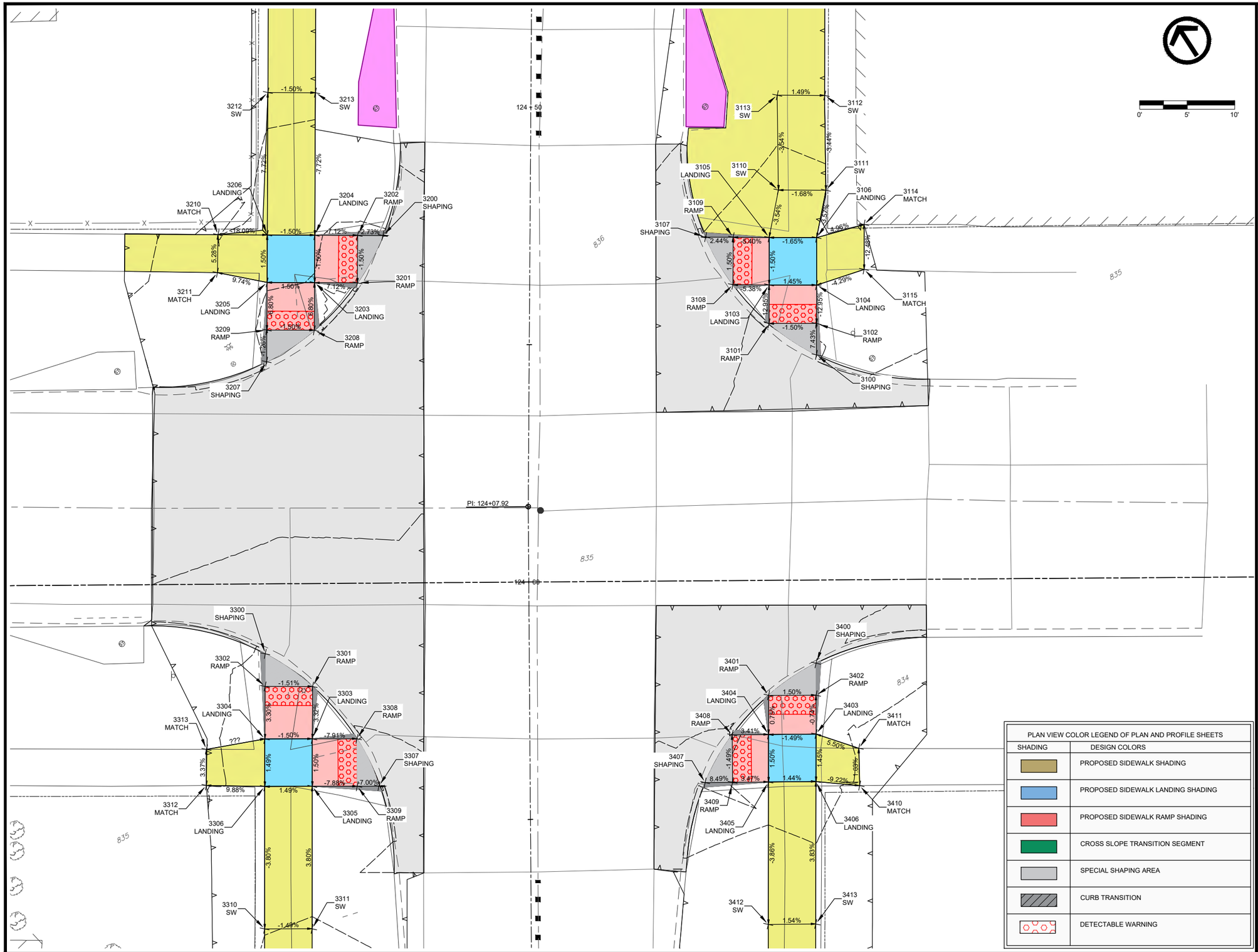
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2101	RAMP	824.006	3440845.6991	5487550.1032
2102	RAMP	824.081	3440842.9664	5487554.2904
2103	LANDING	824.415	3440849.8853	5487552.8373
2104	LANDING	824.490	3440847.1526	5487557.0246
2105	SW	825.333	3440866.6386	5487563.7610
2106	SW	825.408	3440863.9080	5487567.9451
2107	LANDING	824.565	3440851.3402	5487559.7566
2108	LANDING	824.490	3440854.0729	5487555.5693
2200	SHAPING	824.882	3440875.3112	5487506.1200
2201	RAMP	824.797	3440874.5584	5487511.5959
2202	RAMP	824.872	3440877.2846	5487507.4045
2203	LANDING	825.121	3440878.7487	5487514.3238
2204	LANDING	825.195	3440881.4750	5487510.1323
2205	SW	826.021	3440898.2367	5487521.0431
2206	SW	825.946	3440895.5104	5487525.2346
2207	LANDING	825.271	3440885.6654	5487512.8600
2208	LANDING	825.196	3440882.9391	5487517.0515
2300	SHAPING	824.971	3440852.9651	5487491.5365
2301	RAMP	824.886	3440848.2820	5487494.4531
2302	RAMP	824.961	3440851.0147	5487490.2659
2303	LANDING	825.215	3440843.8988	5487485.6303
2304	LANDING	825.140	3440841.2021	5487489.8409
2305	LANDING	825.215	3440837.0125	5487487.1116
2306	LANDING	825.291	3440839.7092	5487482.9010
2307	SW	825.693	3440827.1409	5487474.7134
2308	SW	825.618	3440824.4442	5487478.9240
2309	SW	826.589	3440847.7741	5487470.2527
2310	SW	826.561	3440850.9599	5487472.3281
2311	SHAPING	824.435	3440831.2479	5487496.1122
2312	RAMP	824.583	3440836.6869	5487496.8907
2313	RAMP	824.658	3440832.4764	5487494.1940
2314	SW	825.921	3440847.1210	5487478.3074
2400	SHAPING	823.906	3440817.9357	5487537.9550
2401	RAMP	823.967	3440818.4814	5487532.3405
2402	RAMP	824.042	3440815.7488	5487536.5277
2403	LANDING	824.347	3440812.6119	5487534.4806
2404	LANDING	824.272	3440815.3087	5487530.2699
2405	LANDING	824.421	3440808.4245	5487531.7478
2406	LANDING	824.347	3440811.1213	5487527.5372
2407	SHAPING	824.244	3440815.4418	5487520.7913
2408	RAMP	824.026	3440817.7011	5487526.5345
2409	RAMP	824.101	3440813.4906	5487523.8378
2410	SW	824.860	3440798.5597	5487519.3393
2411	SW	824.934	3440795.8629	5487523.5499
2412	MATCH	824.635	3440807.9200	5487539.8475
2413	MATCH	824.682	3440804.6069	5487537.7353

SIDEWALK PLAN
4TH ST S

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.03

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PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

Point Table

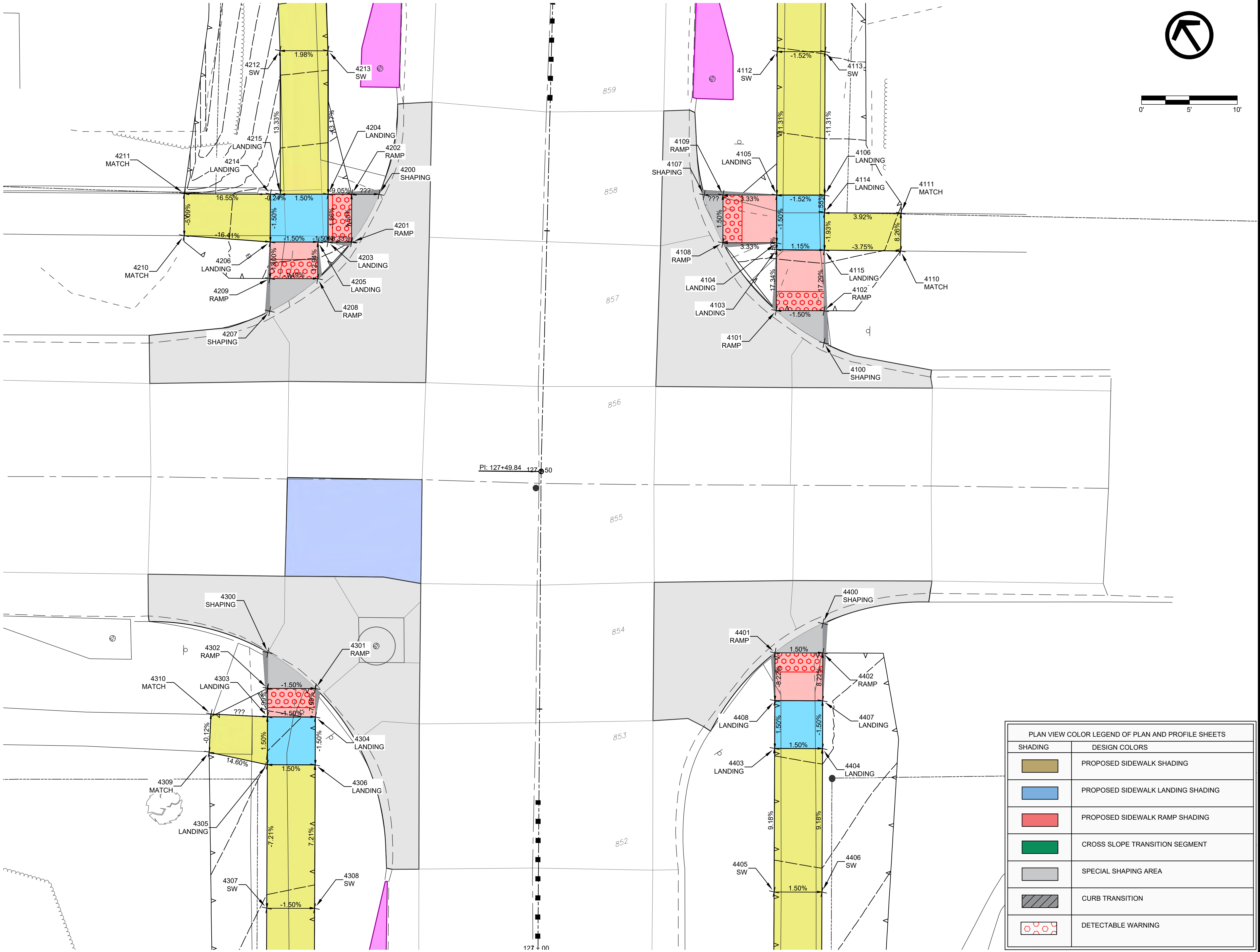
Point #	Raw Description	Elevation	Northing	Easting
3100	SHAPING	834.838	3441130.0377	5487741.1800
3101	RAMP	835.050	3441135.5298	5487738.7890
3102	RAMP	835.125	3441132.8020	5487742.9794
3103	LANDING	835.575	3441138.9300	5487741.0023
3104	LANDING	835.647	3441136.1868	5487745.1827
3105	LANDING	835.650	3441143.1204	5487743.7300
3106	LANDING	835.729	3441140.3773	5487747.9104
3107	SHAPING	835.662	3441146.7892	5487738.1392
3108	RAMP	835.345	3441141.0203	5487737.8169
3109	RAMP	835.420	3441145.2006	5487740.5600
3110	SW	835.830	3441146.7789	5487747.2684
3111	SW	835.914	3441144.0353	5487751.4495
3112	SW	836.258	3441152.4726	5487756.7819
3113	SW	836.183	3441155.2157	5487752.6016
3114	MATCH	836.505	3441138.8156	5487752.8598
3115	MATCH	835.915	3441134.8546	5487750.2815
3200	SHAPING	835.823	3441165.4355	5487709.7236
3201	RAMP	835.729	3441162.7125	5487704.7596
3202	RAMP	835.804	3441166.8928	5487707.5027
3203	LANDING	836.601	3441165.1873	5487700.9881
3204	LANDING	836.676	3441169.3677	5487703.7311
3205	LANDING	836.670	3441167.9305	5487696.8078
3206	LANDING	836.751	3441172.1109	5487699.5508
3207	SHAPING	835.621	3441160.9512	5487692.2282
3208	RAMP	835.719	3441160.9928	5487698.2358
3209	RAMP	835.794	3441163.7358	5487694.0554
3210	MATCH	837.074	3441174.9596	5487695.2096
3211	MATCH	836.863	3441171.6407	5487692.9843
3212	SW	837.320	3441184.6608	5487707.7666
3213	SW	837.245	3441181.9177	5487711.9469
3300	SHAPING	834.490	3441135.2313	5487675.3518
3301	RAMP	834.263	3441129.6268	5487677.6546
3302	RAMP	834.339	3441132.3594	5487673.4674
3303	LANDING	834.446	3441125.0208	5487674.6323
3304	LANDING	834.521	3441127.7345	5487670.4327
3305	LANDING	834.521	3441120.8304	5487671.9045
3306	LANDING	834.595	3441123.5441	5487667.7050
3307	SHAPING	833.806	3441117.0306	5487677.8019
3308	RAMP	834.074	3441122.4696	5487678.5803
3309	RAMP	834.146	3441118.2591	5487675.8837
3310	SW	834.025	3441110.9728	5487659.5218
3311	SW	833.951	3441108.2591	5487663.7214
3312	MATCH	835.024	3441126.9840	5487662.6040
3313	MATCH	835.152	3441130.1648	5487664.6765
3400	SHAPING	834.073	3441102.8181	5487723.4616
3401	RAMP	834.069	3441102.7168	5487717.4297
3402	RAMP	834.144	3441099.9891	5487721.6201
3403	LANDING	834.174	3441096.5642	5487719.3977
3404	LANDING	834.100	3441099.2527	5487715.1747
3405	LANDING	834.175	3441095.0620	5487712.4468
3406	LANDING	834.247	3441092.3768	5487716.6649
3407	SHAPING	834.196	3441098.6408	5487706.8251
3408	RAMP	833.970	3441101.3090	5487711.9445
3409	RAMP	834.045	3441097.0911	5487709.2594
3410	MATCH	833.821	3441089.5136	5487720.2921
3411	MATCH	833.885	3441092.8529	5487722.3578
3412	SW	833.596	3441082.4908	5487704.2637
3413	SW	833.673	3441079.8056	5487708.4818

SIDEWALK PLAN
3RD ST S

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.04

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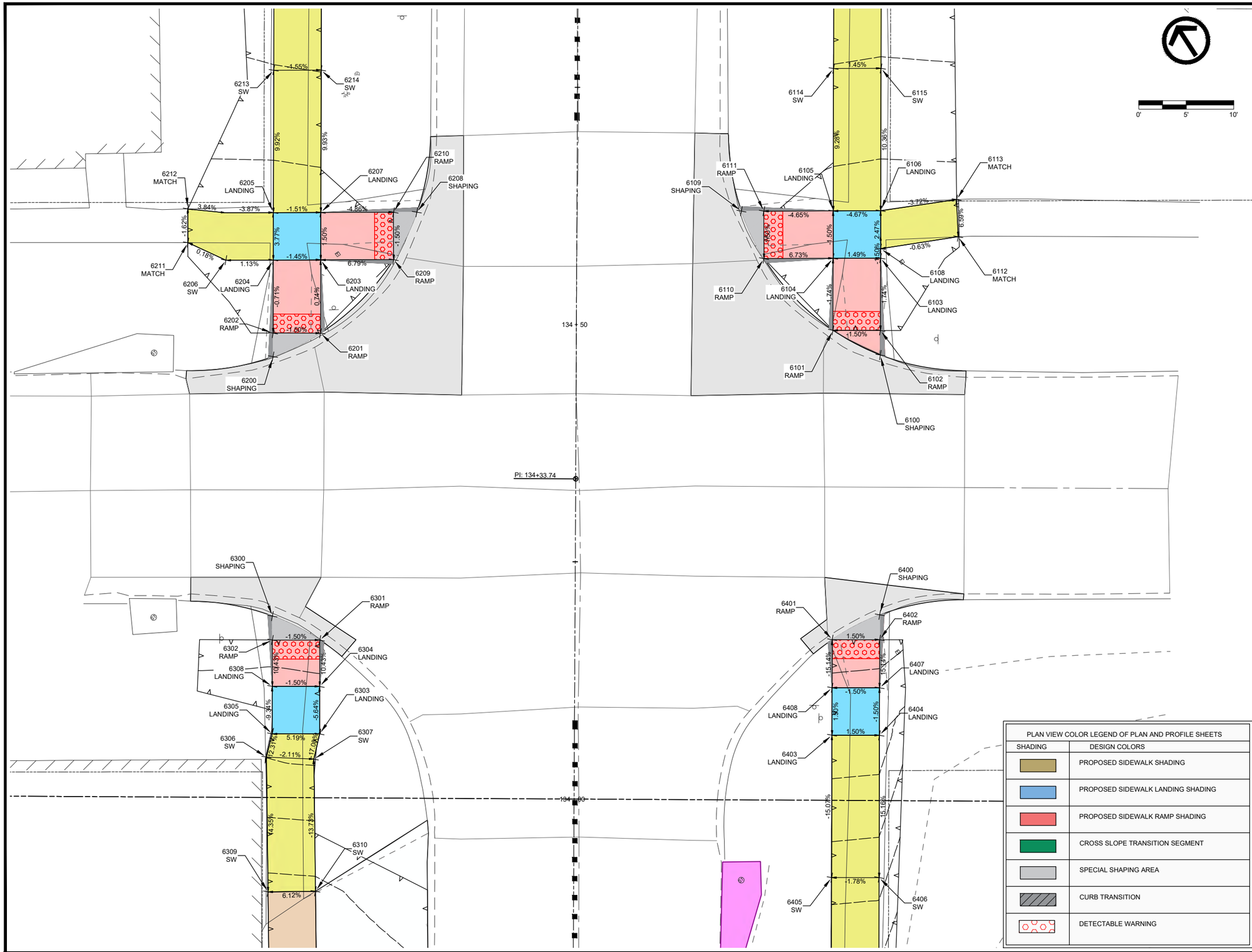
Point Table				
Point #	Raw Description	Elevation	Northing	Easting
4100	SHAPING	855.505	3441413.8973	5487927.1397
4101	RAMP	856.066	3441419.4454	5487924.7969
4102	RAMP	856.141	3441416.7079	5487928.9793
4103	LANDING	857.170	3441424.7732	5487928.2844
4104	LANDING	857.181	3441425.3644	5487928.6714
4105	LANDING	857.256	3441429.5479	5487931.4098
4106	LANDING	857.332	3441426.8188	5487935.5973
4107	SHAPING	857.424	3441433.6872	5487925.0585
4108	RAMP	857.368	3441428.4261	5487923.9737
4109	RAMP	857.443	3441432.6150	5487926.7037
4110	MATCH	856.929	3441417.5951	5487939.0891
4111	MATCH	857.255	3441420.8844	5487941.2744
4112	SW	858.953	3441442.0990	5487939.6238
4113	SW	859.029	3441439.3693	5487943.8122
4114	LANDING	857.303	3441425.2684	5487934.5825
4115	LANDING	857.228	3441422.0072	5487932.4479
4200	SHAPING	857.094	3441452.2357	5487896.5983
4201	RAMP	856.991	3441449.6053	5487891.4769
4202	RAMP	857.066	3441453.7942	5487894.2069
4203	LANDING	857.197	3441450.9556	5487889.4050
4204	LANDING	857.290	3441455.1445	5487892.1351
4205	LANDING	857.213	3441451.5242	5487888.5325
4206	LANDING	857.288	3441454.2543	5487884.3436
4207	SHAPING	856.924	3441448.2102	5487880.3717
4208	RAMP	856.717	3441448.3194	5487886.4265
4209	RAMP	856.791	3441451.0624	5487882.2461
4210	MATCH	858.763	3441459.7041	5487877.1555
4211	MATCH	858.987	3441463.3755	5487879.5682
4212	SW	859.365	3441470.4671	5487896.0965
4213	SW	859.266	3441467.7353	5487900.2881
4214	LANDING	857.363	3441458.4329	5487887.0895
4215	LANDING	857.365	3441457.8746	5487887.9462
4300	SHAPING	854.208	3441418.3835	5487860.7713
4301	RAMP	853.741	3441412.5210	5487862.8953
4302	RAMP	853.816	3441415.2594	5487858.7119
4303	LANDING	854.054	3441412.7698	5487857.0823
4304	LANDING	853.979	3441410.0314	5487861.2657
4305	LANDING	853.979	3441408.5829	5487854.3416
4306	LANDING	853.904	3441405.8445	5487858.5250
4307	SW	852.898	3441396.0326	5487846.1264
4308	SW	852.823	3441393.2942	5487850.3098
4309	MATCH	854.887	3441412.9849	5487849.9513
4310	MATCH	854.882	3441416.2281	5487852.2926
4400	SHAPING	853.662	3441389.3501	5487911.0726
4401	RAMP	853.407	3441389.5116	5487905.2029
4402	RAMP	853.482	3441386.7733	5487909.3864
4403	LANDING	853.071	3441381.1447	5487899.7261
4404	LANDING	853.146	3441378.4065	5487903.9095
4405	SW	851.694	3441368.5944	5487891.5109
4406	SW	851.769	3441365.8559	5487895.6947
4407	LANDING	853.071	3441382.5900	5487906.6478
4408	LANDING	852.996	3441385.3281	5487902.4645

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS	
SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
2ND ST S

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.05

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Point Table

Point #	Raw Description	Elevation	Northing	Easting
6100	SHAPING	852.696	3441973.3835	5488318.2352
6101	RAMP	852.641	3441978.3668	5488315.6121
6102	RAMP	852.716	3441975.5101	5488319.7157
6103	LANDING	852.584	3441981.7573	5488324.0647
6104	LANDING	852.509	3441984.5916	5488319.9456
6105	LANDING	852.434	3441988.6952	5488322.8023
6106	LANDING	852.668	3441985.8609	5488326.9215
6108	LANDING	852.569	3441982.5781	5488324.6361
6109	SHAPING	851.391	3441994.1808	5488314.8297
6110	RAMP	852.019	3441988.7250	5488313.9381
6111	RAMP	852.094	3441992.8442	5488316.7723
6112	MATCH	852.625	3441978.9554	5488332.0752
6113	MATCH	852.367	3441982.2714	5488334.1703
6114	SW	851.042	3442001.0058	5488331.3725
6115	SW	851.114	3441998.1716	5488335.4917
6200	SHAPING	852.712	3442009.6873	5488265.5272
6201	RAMP	852.489	3442008.8633	5488271.0459
6202	RAMP	852.564	3442011.7201	5488266.9424
6203	LANDING	852.546	3442015.2015	5488275.4583
6204	LANDING	852.618	3442018.0358	5488271.3391
6205	LANDING	852.546	3442022.1394	5488274.1958
6206	SW	852.674	3442020.8620	5488267.2315
6207	LANDING	852.471	3442019.3051	5488278.3150
6208	SHAPING	851.424	3442013.5713	5488286.6484
6209	RAMP	852.023	3442010.8422	5488281.7939
6210	RAMP	852.098	3442014.9613	5488284.6281
6211	MATCH	852.643	3442024.6613	5488264.9903
6212	MATCH	852.586	3442027.5877	5488267.0038
6213	SW	851.058	3442034.4500	5488282.7660
6214	SW	850.981	3442031.6158	5488286.8852
6300	SHAPING	854.133	3441987.2466	5488249.9050
6301	RAMP	854.631	3441982.3193	5488252.5671
6302	RAMP	854.706	3441985.1760	5488248.4635
6303	LANDING	855.423	3441974.2063	5488246.9192
6304	LANDING	855.141	3441978.3099	5488249.7759
6305	LANDING	855.683	3441977.0631	5488242.8156
6306	SW	855.993	3441975.3920	5488240.9242
6307	SW	855.887	3441972.3673	5488244.9150
6308	LANDING	855.216	3441981.1666	5488245.6723
6309	SW	858.342	3441963.6208	5488232.9783
6310	SW	858.267	3441960.8234	5488237.1224
6400	SHAPING	854.080	3441950.9078	5488302.5887
6401	RAMP	854.473	3441951.6161	5488296.9895
6402	RAMP	854.548	3441948.7594	5488301.0930
6403	LANDING	855.309	3441943.3512	5488291.2358
6404	LANDING	855.384	3441940.4945	5488295.3393
6405	SW	857.569	3441931.0405	5488282.6656
6406	SW	857.658	3441928.1838	5488286.7692
6407	LANDING	855.309	3441944.5980	5488298.1960
6408	LANDING	855.234	3441947.4547	5488294.0925

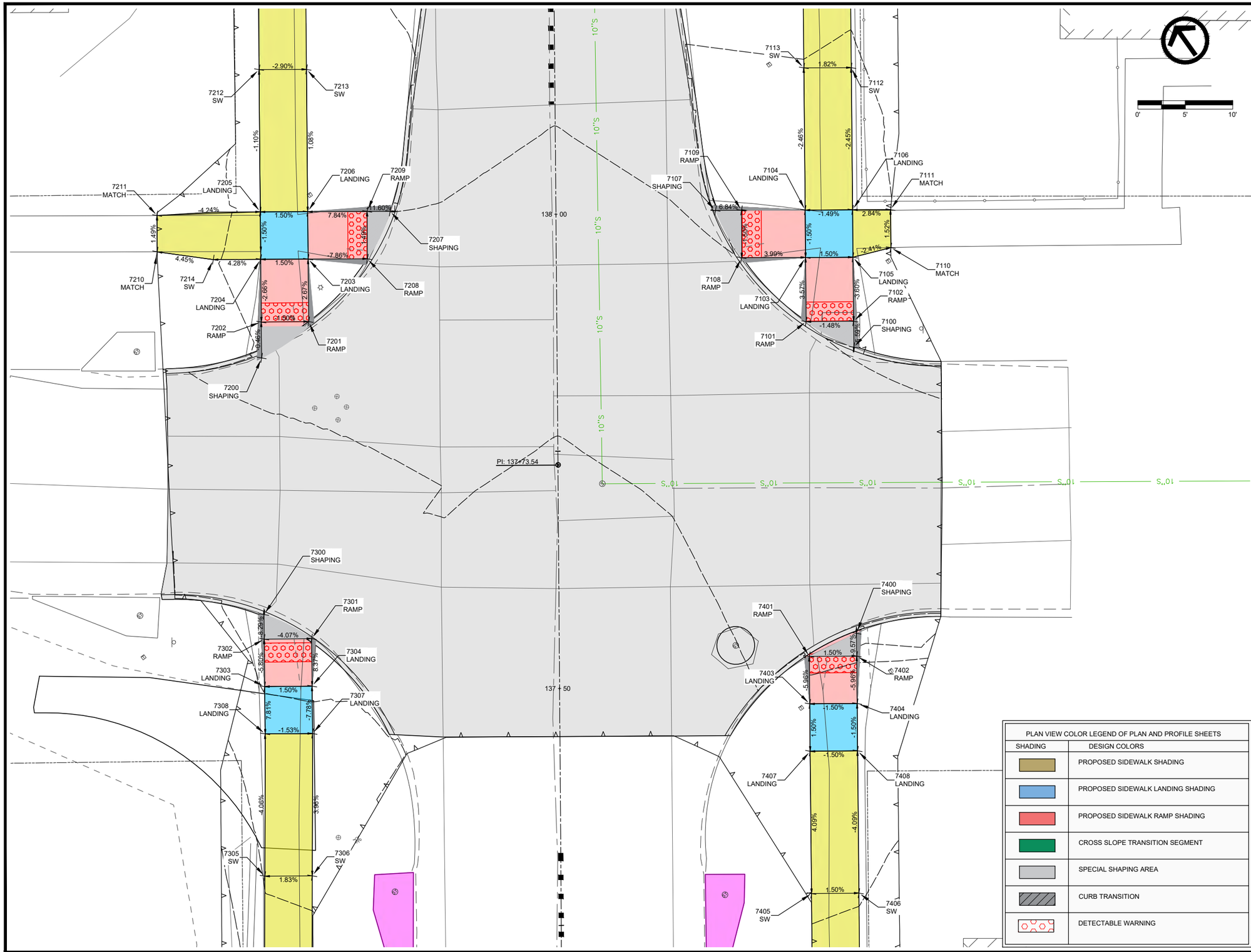
PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
2ND ST N

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.06	

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Point Table				
Point #	Raw Description	Elevation	Northing	Easting
7100	SHAPING	830.994	3442251.4448	5488511.8097
7101	RAMP	831.074	3442256.5568	5488509.2761
7102	RAMP	831.148	3442253.7000	5488513.3797
7103	LANDING	831.315	3442262.1099	5488513.1420
7104	LANDING	831.390	3442266.2135	5488515.9987
7105	LANDING	831.390	3442259.2312	5488517.2302
7106	LANDING	831.465	3442263.3348	5488520.0870
7107	SHAPING	830.935	3442271.6561	5488508.2694
7108	RAMP	831.046	3442265.9933	5488507.6270
7109	RAMP	831.122	3442270.0815	5488510.5057
7110	MATCH	831.254	3442257.7489	5488521.0721
7111	MATCH	831.175	3442261.0318	5488523.3575
7112	SW	831.097	3442275.6454	5488528.6571
7113	SW	831.022	3442278.5242	5488524.5689
7200	SHAPING	831.656	3442286.6907	5488460.2382
7201	RAMP	831.570	3442286.9392	5488466.5070
7202	RAMP	831.645	3442289.7941	5488462.4022
7203	LANDING	831.745	3442292.3464	5488470.2678
7204	LANDING	831.821	3442295.2274	5488466.1764
7205	LANDING	831.896	3442299.3288	5488469.0363
7206	LANDING	831.820	3442296.4501	5488473.1245
7207	SHAPING	831.048	3442291.4460	5488480.2310
7208	RAMP	831.254	3442288.7515	5488475.3731
7209	RAMP	831.329	3442292.8397	5488478.2518
7210	MATCH	832.261	3442302.1862	5488457.7362
7211	MATCH	832.286	3442305.3112	5488459.9382
7212	SW	831.731	3442311.6328	5488477.6161
7213	SW	831.658	3442308.7540	5488481.7043
7214	SW	832.034	3442298.0873	5488462.0750
7300	SHAPING	832.706	3442264.4774	5488444.7743
7301	RAMP	832.610	3442259.4940	5488447.3973
7302	RAMP	832.697	3442262.3507	5488443.2937
7303	LANDING	832.946	3442258.2471	5488440.4370
7304	LANDING	832.871	3442255.3904	5488444.5406
7305	SW	833.945	3442241.9317	5488428.8700
7306	SW	833.854	3442239.0747	5488432.9739
7307	LANDING	833.260	3442251.2869	5488441.6839
7308	LANDING	833.336	3442254.1436	5488437.5803
7400	SHAPING	831.883	3442226.6862	5488494.5738
7401	RAMP	831.882	3442227.5795	5488489.1034
7402	RAMP	831.957	3442224.7228	5488493.2070
7403	LANDING	832.180	3442223.4760	5488486.2467
7404	LANDING	832.255	3442220.6193	5488490.3502
7405	SW	832.869	3442207.0618	5488474.8198
7406	SW	832.944	3442204.2051	5488478.9234
7407	LANDING	832.255	3442219.3724	5488483.3900
7408	LANDING	832.330	3442216.5157	5488487.4935

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS	
SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
3RD ST N

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.07	

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PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

Point Table

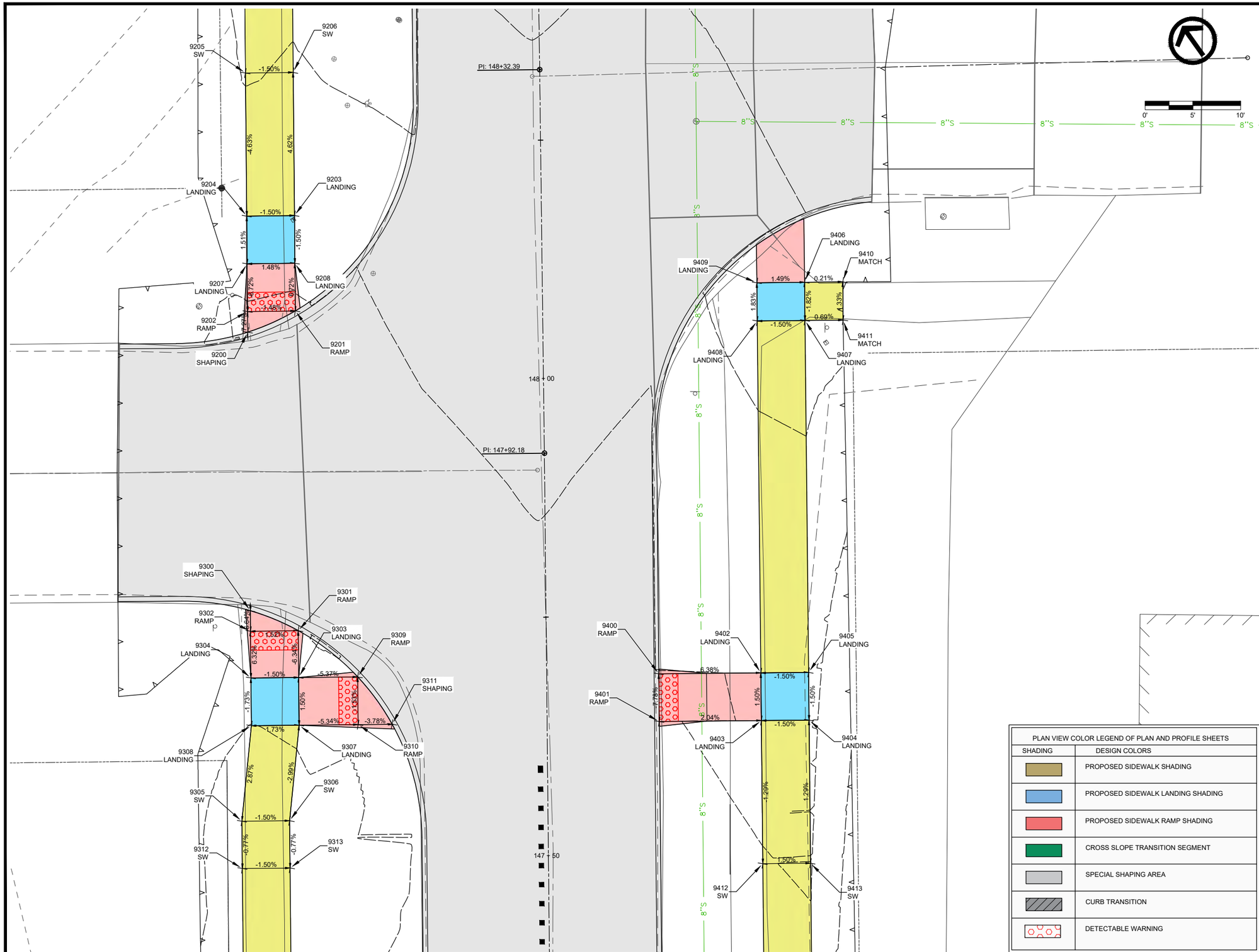
Point #	Raw Description	Elevation	Northing	Easting
8100	RAMP	821.246	3442832.4352	5488893.1757
8101	RAMP	821.211	3442828.3302	5488890.3211
8102	LANDING	821.393	3442826.2891	5488902.0433
8103	LANDING	821.311	3442822.1797	5488899.1950
8104	LANDING	821.468	3442823.4366	5488906.1482
8105	LANDING	821.386	3442819.3306	5488903.2950
8106	SW	821.613	3442828.8548	5488909.9133
8107	SW	821.538	3442831.7118	5488905.8099
8108	SW	821.432	3442810.4110	5488897.0968
8109	SW	821.357	3442813.2642	5488892.9908
8200	SHAPING	820.775	3442849.1671	5488851.1629
8201	RAMP	820.871	3442847.7969	5488856.3024
8202	RAMP	820.937	3442850.6426	5488852.1912
8203	LANDING	821.165	3442853.4176	5488854.1250
8204	LANDING	821.269	3442859.0857	5488858.0742
8205	LANDING	821.194	3442856.2282	5488862.1772
8206	LANDING	821.090	3442850.5693	5488858.2344
8207	MATCH	821.418	3442861.5567	5488848.2340
8208	MATCH	821.475	3442864.4450	5488850.2880
8209	SW	822.149	3442871.3947	5488866.6467
8210	SW	822.074	3442868.5371	5488870.7496
8211	LANDING	821.214	3442856.0962	5488855.9916
8212	LANDING	821.164	3442854.6715	5488861.0931
8213	RAMP	821.047	3442851.7203	5488865.3511
8214	RAMP	820.972	3442847.6131	5488862.4997
8215	SHAPING	821.090	3442849.1486	5488869.0616
8300	SHAPING	820.714	3442825.8552	5488834.3019
8301	RAMP	820.774	3442821.6163	5488837.4423
8302	RAMP	820.854	3442824.4621	5488833.3311
8303	LANDING	821.110	3442817.5141	5488834.5836
8304	LANDING	821.186	3442820.3599	5488830.4724
8305	SW	821.552	3442800.8233	5488823.5683
8306	SW	821.492	3442803.6691	5488819.4571
8307	LANDING	821.185	3442813.4103	5488831.7273
8308	LANDING	821.257	3442816.2560	5488827.6161

SIDEWALK PLAN
5TH ST N

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.08

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Point Table

Point #	Raw Description	Elevation	Northing	Easting
9200	SHAPING	823.770	3443123.4802	5489043.5304
9201	RAMP	823.853	3443122.4131	5489048.8803
9202	RAMP	823.927	3443125.2589	5489044.7692
9203	LANDING	824.264	3443130.6192	5489054.5953
9204	LANDING	824.339	3443133.4649	5489050.4841
9205	SW	825.033	3443145.7740	5489059.0566
9206	SW	824.958	3443142.9282	5489063.1678
9207	LANDING	824.263	3443129.3619	5489047.6266
9208	LANDING	824.189	3443126.5162	5489051.7378
9300	SHAPING	823.471	3443099.5149	5489026.8398
9301	RAMP	823.537	3443094.9099	5489029.7254
9302	RAMP	823.613	3443097.7556	5489025.6142
9303	LANDING	823.848	3443090.8826	5489026.9150
9304	LANDING	823.923	3443093.7359	5489022.8090
9305	SW	824.299	3443082.0400	5489013.3540
9306	SW	824.224	3443079.1897	5489017.4559
9307	LANDING	823.923	3443086.7767	5489024.0617
9308	LANDING	824.010	3443089.6299	5489019.9558
9309	RAMP	823.516	3443087.3489	5489032.0003
9310	RAMP	823.593	3443083.2429	5489029.1471
9311	SHAPING	823.458	3443081.2147	5489032.0658
9312	SW	824.260	3443077.9701	5489010.5192
9313	SW	824.185	3443075.1198	5489014.6215
9400	RAMP	823.562	3443069.3391	5489057.9176
9401	RAMP	823.951	3443065.2332	5489055.0644
9402	LANDING	824.244	3443063.2388	5489066.6964
9403	LANDING	824.169	3443059.1329	5489063.8432
9404	LANDING	824.244	3443056.2796	5489067.9491
9405	LANDING	824.319	3443060.3856	5489070.8024
9406	LANDING	825.406	3443093.9680	5489094.1385
9407	LANDING	825.333	3443090.6832	5489091.8559
9408	LANDING	825.258	3443093.5294	5489087.7451
9409	LANDING	825.332	3443096.8212	5489090.0325
9410	MATCH	825.415	3443091.6854	5489097.4233
9411	MATCH	825.361	3443088.4006	5489095.1407
9412	SW	823.976	3443046.8149	5489055.2835
9413	SW	824.051	3443043.9617	5489059.3895

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
6TH ST N

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.09

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Point Table				
Point #	Raw Description	Elevation	Northing	Easting
10200	SHAPING	837.628	3443403.5888	5489238.5485
10201	RAMP	837.533	3443402.5306	5489243.9002
10202	RAMP	837.608	3443405.3813	5489239.7925
10203	LANDING	838.175	3443410.8796	5489243.6205
10204	LANDING	838.096	3443408.0751	5489247.7600
10205	LANDING	838.171	3443412.2145	5489250.5644
10206	LANDING	838.246	3443415.0190	5489246.4250
10207	MATCH	838.415	3443414.2293	5489240.7329
10208	MATCH	838.331	3443417.3734	5489242.7438
10209	SW	838.945	3443427.4373	5489254.8384
10210	SW	838.867	3443424.6329	5489258.9778
10300	SHAPING	836.835	3443377.9031	5489220.7410
10301	RAMP	836.749	3443373.2540	5489223.5952
10302	RAMP	836.824	3443376.1131	5489219.4934
10303	LANDING	836.999	3443365.0497	5489217.8777
10304	LANDING	837.074	3443367.9203	5489213.7845
10305	SW	836.640	3443355.6121	5489205.2108
10306	SW	836.565	3443352.7426	5489209.3024
10307	LANDING	837.148	3443372.0173	5489216.6384
10308	LANDING	837.073	3443369.1598	5489220.7414

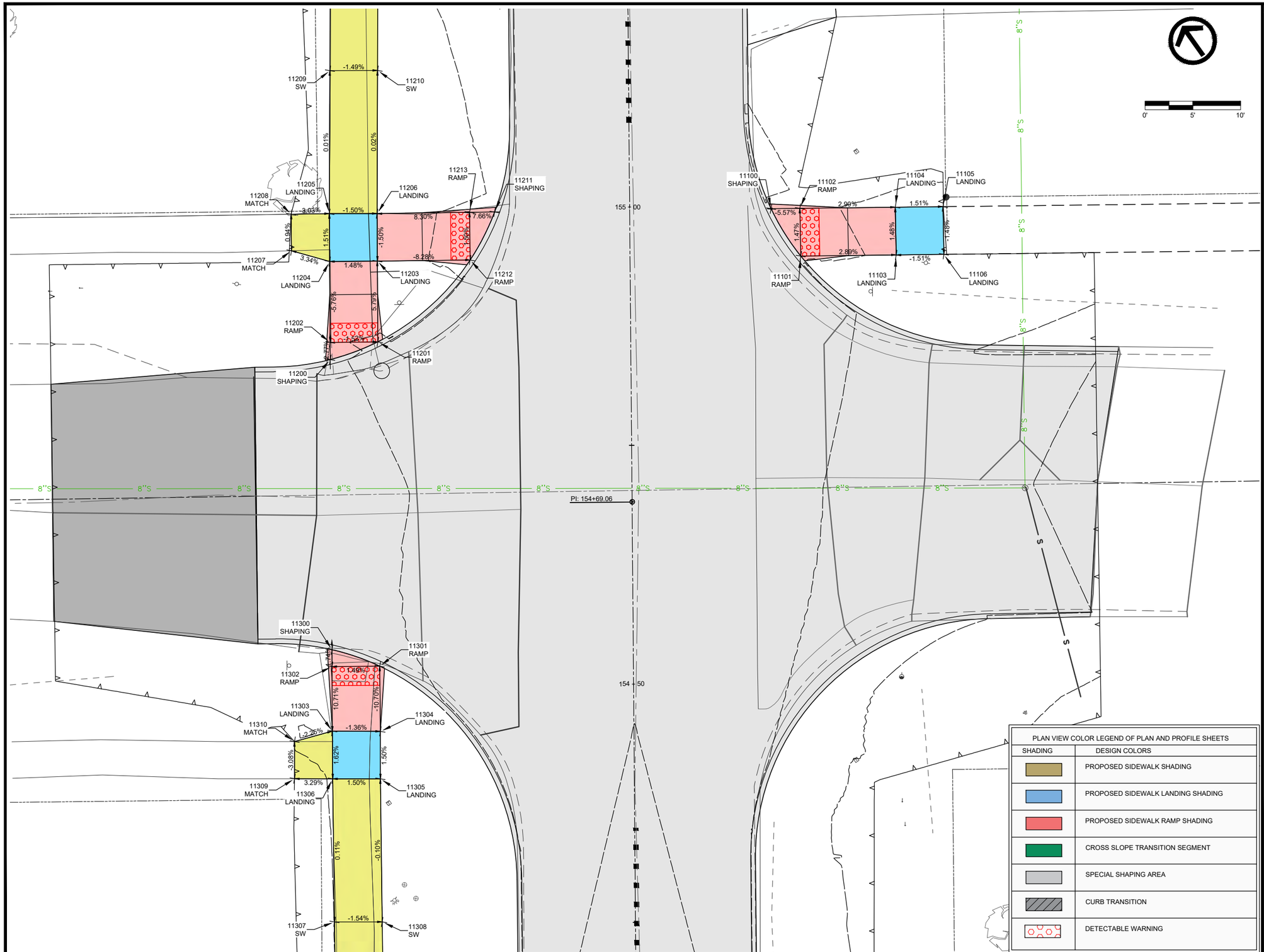
PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS	
SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
7TH ST N

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.10	

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PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

Point Table

Point #	Raw Description	Elevation	Northing	Easting
11100	SHAPING	838.710	3443668.1060	5489476.7562
11101	RAMP	838.805	3443662.2566	5489476.4213
11102	RAMP	838.878	3443666.3849	5489479.2421
11103	LANDING	839.094	3443656.5641	5489484.6431
11104	LANDING	839.168	3443660.6925	5489487.4640
11105	LANDING	839.244	3443657.8462	5489491.5749
11106	LANDING	839.170	3443653.7178	5489488.7540
11200	SHAPING	839.081	3443681.9523	5489429.9321
11201	RAMP	838.955	3443680.5825	5489435.0784
11202	RAMP	839.031	3443683.4282	5489430.9672
11203	LANDING	839.446	3443687.5148	5489439.9405
11204	LANDING	839.520	3443690.3715	5489435.8368
11205	LANDING	839.595	3443694.4780	5489438.7170
11206	LANDING	839.520	3443691.5886	5489442.7976
11207	MATCH	839.659	3443693.6136	5489433.2250
11208	MATCH	839.716	3443696.7448	5489435.4211
11209	SW	839.597	3443706.6808	5489447.4401
11210	SW	839.523	3443703.7914	5489451.5207
11211	SHAPING	838.515	3443684.5999	5489452.9340
11212	RAMP	838.640	3443681.9791	5489447.9358
11213	RAMP	838.715	3443686.0899	5489450.7820
11300	SHAPING	839.143	3443657.0489	5489412.4715
11301	RAMP	839.099	3443652.7443	5489415.5537
11302	RAMP	839.174	3443655.6100	5489411.4565
11303	LANDING	839.899	3443650.0791	5489407.5639
11304	LANDING	839.830	3443647.1341	5489411.6638
11305	LANDING	839.905	3443643.0817	5489408.7772
11306	LANDING	839.980	3443645.9764	5489404.7056
11307	SW	839.996	3443633.6371	5489396.1767
11308	SW	839.920	3443630.7413	5489400.2498
11309	MATCH	840.111	3443648.3017	5489401.4498
11310	MATCH	839.991	3443651.4778	5489403.7041

SIDEWALK PLAN
WEBSTER ST N

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.11	

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Point Table

Point #	Raw Description	Elevation	Northing	Easting
12201	RAMP	835.624	3444112.5197	5489718.4350
12202	RAMP	835.774	3444122.5140	5489718.0962
12203	RAMP	836.472	3444125.1276	5489746.6558
12204	RAMP	836.352	3444129.6819	5489740.0788
12205	SW	837.215	3444137.4596	5489755.1952
12206	SW	837.100	3444142.0139	5489748.6182
12207	MATCH	834.234	3444121.3501	5489683.7690
12208	MATCH	833.821	3444111.3546	5489684.0725
12209	LANDING	836.067	3444122.8528	5489728.0904
12210	LANDING	835.917	3444112.8586	5489728.4293
12211	LANDING	835.976	3444113.1964	5489738.3940
12212	LANDING	836.076	3444118.5505	5489742.1015
12213	LANDING	836.100	3444123.1049	5489735.5244
12300	SHAPING	834.838	3444076.0855	5489704.4378
12301	RAMP	834.919	3444071.7854	5489707.5422
12302	RAMP	834.844	3444074.6311	5489703.4311
12303	LANDING	835.188	3444067.6742	5489704.6965
12304	LANDING	835.111	3444070.5199	5489700.5853
12305	SW	835.387	3444051.1586	5489693.4165
12306	SW	835.311	3444054.0043	5489689.3053
12307	LANDING	835.187	3444066.3909	5489697.7653
12308	LANDING	835.263	3444063.5452	5489701.8765

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
CASS ST

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.12	

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Point Table

Point #	Raw Description	Elevation	Northing	Easting
13203	MATCH	845.506	3444485.1929	5489956.9147
13204	MATCH	845.330	3444486.1430	5489951.0519
13205	SW	844.470	3444496.6330	5489958.6370
13206	SW	844.208	3444503.9070	5489953.0160
13300	SW	845.333	3444405.6416	5489919.7525
13301	MATCH	846.433	3444428.3808	5489941.6009
13302	MATCH	846.433	3444431.8530	5489934.7099
13303	SW	846.470	3444427.3520	5489932.4420
13304	SW	845.455	3444401.5709	5489926.6905
13305	SW	846.352	3444423.4200	5489939.4100

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
RAILROAD CROSSING

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.13

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Point Table

Point #	Raw Description	Elevation	Northing	Easting
14200	SHAPING	841.927	3444770.4286	5490110.0326
14201	RAMP	842.052	3444768.6725	5490118.3412
14202	RAMP	841.932	3444772.8567	5490111.5226
14203	LANDING	841.293	3444782.3095	5490126.7096
14204	LANDING	841.173	3444786.4937	5490119.8911
14205	SW	841.225	3444793.8134	5490134.8080
14206	SW	841.110	3444798.4028	5490128.3576
14207	LANDING	841.293	3444779.6752	5490115.7069
14208	LANDING	841.413	3444775.4910	5490122.5254
14300	SHAPING	841.609	3444747.2306	5490095.7970
14301	RAMP	841.765	3444740.9720	5490101.3426
14302	RAMP	841.644	3444745.1224	5490094.5033
14303	LANDING	841.579	3444727.3354	5490092.9744
14304	LANDING	841.459	3444731.5196	5490086.1559
14305	SW	841.268	3444714.5505	5490085.1292
14306	SW	841.148	3444718.7348	5490078.3106
14307	LANDING	841.579	3444738.3381	5490090.3401
14308	LANDING	841.699	3444734.1539	5490097.1586

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
INK RD

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.14

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Point Table

Point #	Raw Description	Elevation	Northing	Easting
15300	MATCH	830.765	3445313.9016	5490428.4887
15301	MATCH	831.381	3445310.3367	5490435.6505
15302	LANDING	831.823	3445306.7398	5490424.9238
15303	LANDING	831.943	3445303.1749	5490432.0856
15304	LANDING	831.943	3445299.5780	5490421.3588
15305	LANDING	832.063	3445296.0131	5490428.5206
15306	SW	832.642	3445286.1497	5490414.6746
15307	SW	832.762	3445282.5847	5490421.8364

PLAN VIEW COLOR LEGEND OF PLAN AND PROFILE SHEETS

SHADING	DESIGN COLORS
	PROPOSED SIDEWALK SHADING
	PROPOSED SIDEWALK LANDING SHADING
	PROPOSED SIDEWALK RAMP SHADING
	CROSS SLOPE TRANSITION SEGMENT
	SPECIAL SHAPING AREA
	CURB TRANSITION
	DETECTABLE WARNING

SIDEWALK PLAN
COLONIAL PARK ESTATES

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.15

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
1100	1102	Ramp Running Slope	6	3.01	0.09	0.031	0.5% to 8.3%				SPECIAL SHAPING	1100	3440010.963	5487007.29	845.7213
1102	1101	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					1101	3440016.294	5487004.91	845.7409
1101	1103	Ramp Running Slope	6	8.88	0.58	0.065	0.5% to 8.3%					1102	3440013.433	5487009.01	845.8159
1102	1104	Ramp Running Slope	6	9.04	0.58	0.064	0.5% to 8.3%					1103	3440023.576	5487009.99	846.3189
1103	1104	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					1104	3440020.852	5487014.18	846.3943
1104	1109	Landing/Turning Space	6	6.09	0.09	0.015	0.1% to 2.0%					1105	3440041.25	5487021.52	847.0996
1109	1108	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					1106	3440038.517	5487025.71	847.1785
1108	1103	Landing/Turning Space	6	6.10	-0.09	-0.015	0.1% to 2.0%					1107	3440028.574	5487009.83	846.3939
1108	1107	Landing/Turning Space	6	3.50	-0.02	-0.005	0.1% to 2.0%					1108	3440028.688	5487013.33	846.4105
1107	1103	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					1109	3440025.956	5487017.51	846.4855
1107	1111	Ramp Running Slope	6	5.01	-0.39	-0.077	0.5% to 8.3%	Yes				1110	3440023.412	5487004.98	845.9314
1111	1110	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					1111	3440028.409	5487004.82	846.0064
1110	1112	Ramp Running Slope	6	0.95	-0.07	-0.077	0.5% to 8.3%	Yes			SPECIAL SHAPING	1112	3440023.381	5487004.03	845.858
1110	1103	Ramp Running Slope	6	5.01	0.39	0.077	0.5% to 8.3%	Yes				1200	3440013.924	5486910.2	844.2458
1108	1105	Sidewalk Running Slope	4	15.00	0.69	0.046	0.5% to 5.0%	Yes				1201	3440014.119	5486916.66	844.2764
1105	1106	Sidewalk Cross Slope	4	5.00	0.08	0.016	0.5% to 2.0%	Yes				1202	3440017.171	5486912.7	844.2992
1106	1109	Sidewalk Running Slope	4	15.00	-0.69	-0.046	0.5% to 5.0%	Yes				1203	3440017.419	5486919.21	844.4077
1218	1216	Ramp Running Slope	6	4.61	-0.05	-0.011	0.5% to 8.3%				SPECIAL SHAPING	1204	3440020.683	5486921.72	844.5373
1216	1217	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					1205	3440020.828	5486926.17	844.604
1216	1214	Ramp Running Slope	6	5.00	0.21	0.043	0.5% to 8.3%					1206	3440025.826	5486926	844.6791
1217	1215	Ramp Running Slope	6	5.00	0.21	0.043	0.5% to 8.3%					1207	3440020.307	5486910.25	844.3239
1214	1215	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					1208	3440025.304	5486910.09	844.4254
1215	1205	Sidewalk Running Slope	4	20.00	-0.91	-0.045	0.5% to 5.0%	Yes				1209	3440040.63	5486931.6	845.2309
1214	1206	Sidewalk Running Slope	4	20.00	-0.91	-0.045	0.5% to 5.0%	Yes				1210	3440037.435	5486935.5	845.1584
1205	1206	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					1211	3440025.606	5486919.29	844.5783
1205	1204	Landing/Turning Space	6	4.45	-0.07	-0.015	0.1% to 2.0%					1212	3440025.468	5486915.08	844.5152
1204	1203	Landing/Turning Space	6	4.12	-0.13	-0.031	0.1% to 2.0%					1213	3440020.47	5486915.25	844.4402
1205	1211	Landing/Turning Space	6	8.37	-0.03	-0.003	0.1% to 2.0%					1214	3440026.481	5486945.99	845.5872
1203	1213	Landing/Turning Space	6	5.00	0.03	0.007	0.1% to 2.0%					1215	3440021.484	5486946.16	845.5122
1213	1211	Landing/Turning Space	6	6.54	0.14	0.021	0.1% to 2.0%					1216	3440026.645	5486950.99	845.3724
1213	1212	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					1217	3440021.648	5486951.15	845.2974
1203	1201	Ramp Running Slope	6	4.17	-0.13	-0.032	0.5% to 8.3%					1218	3440026.796	5486955.59	845.4212
1201	1202	Ramp Cross Slope	6	5.00	0.02	0.005	0.1% to 2.0%					1300	3439976.779	5486887.9	843.6871
1202	1200	Ramp Running Slope	6	4.10	-0.05	-0.013	0.5% to 8.3%				SPECIAL SHAPING	1301	3439979.831	5486883.94	843.6124
1202	1213	Ramp Running Slope	6	4.17	0.14	0.034	0.5% to 8.3%					1302	3439980.243	5486884.25	843.7121
1213	1207	Sidewalk Running Slope	4	5.00	-0.12	-0.023	0.5% to 5.0%					1303	3439975.87	5486880.88	843.9375
1207	1208	Match Existing Cross Slope	4	5.00	0.1	0.02	Match Existing					1304	3439972.819	5486884.85	844.0137
1208	1212	Sidewalk Running Slope	4	5.00	0.09	0.018	0.5% to 5.0%					1305	3439960.027	5486868.68	843.6385
1211	1209	Sidewalk Running Slope	4	19.42	0.65	0.034	0.5% to 5.0%					1306	3439956.975	5486872.64	843.7153
1209	1210	Sidewalk Cross Slope	4	5.04	-0.07	-0.014	0.5% to 2.0%					1307	3439971.909	5486877.83	843.8655
1210	1206	Sidewalk Running Slope	4	15.00	-0.48	-0.032	0.5% to 5.0%					1308	3439968.858	5486881.79	843.941
1302	1301	Ramp Running Slope	6	0.52	-0.1	-0.192	0.5% to 8.3%				SPECIAL SHAPING	1401	3439975.069	5486987.68	844.7949
1301	1300	Ramp Cross Slope	6	5.00	0.07	0.015	0.1% to 2.0%					1402	3439970.071	5486987.83	844.8678
1301	1303	Ramp Running Slope	6	5.00	0.33	0.065	0.5% to 8.3%					1403	3439969.984	5486972.62	844.734
1300	1304	Ramp Running Slope	6	5.00	0.33	0.065	0.5% to 8.3%					1404	3439964.281	5486980.79	844.5541
1304	1303	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					1405	3439949.617	5486957	844.6731
1303	1307	Landing/Turning Space	6	5.00	-0.07	-0.014	0.1% to 2.0%					1406	3439943.279	5486964.73	844.5225
1304	1308	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					1407	3439969.907	5486982.29	844.637
1308	1307	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					1408	3439974.904	5486982.14	844.4097
1307	1305	Sidewalk Running Slope	4	15.00	-0.23	-0.015	0.5% to 5.0%					1409	3439974.086	5486975.48	844.4861
1305	1306	Sidewalk Cross Slope	4	5.00	0.08	0.015	0.5% to 2.0%					1410	3439970.515	5487002.82	844.6737
1306	1308	Sidewalk Running Slope	4	15.00	0.23	0.015	0.5% to 5.0%					1411	3439975.513	5487002.67	844.6
1411	1410	Sidewalk Cross Slope	4	5.00	0.07	0.015	0.5% to 2.0%					1412	3439961.219	5486966.5	844.8977
1411	1401	Sidewalk Running Slope	4	15.00	0.19	0.013	0.5% to 5.0%					1413	3439954.881	5486974.24	844.7464
1410	1402	Sidewalk Running Slope	4	15.00	0.19	0.013	0.5% to 5.0%					2100	3440841.902	5487553.6	823.9505
1401	1402	Ramp Cross Slope	6	5.00	0.07	0.015	0.1% to 2.0%					2101	3440845.699	5487550.1	824.0057
1401	1408	Ramp Running Slope	6	5.54	-0.39	-0.07	0.5% to 8.3%					2102	3440842.966	5487554.29	824.0807
1402	1407	Ramp Running Slope	6	5.54	-0.23	-0.042	0.5% to 8.3%					2103	3440849.885	5487552.84	824.4152
1407	1408	Landing/Turning Space	6	5.00	-0.23	-0.045	0.1% to 2.0%					2104	3440847.153	5487557.02	824.4904

SIDEWALK TABLES

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
1408	1409	Landing/Turning Space	6	6.72	0.08	0.011	0.1% to 2.0%					2105	3440866.639	5487563.76	825.3333
1409	1407	Landing/Turning Space	6	7.99	0.15	0.019	0.1% to 2.0%	Yes				2106	3440863.908	5487567.95	825.408
1407	1404	Landing/Turning Space	6	5.82	-0.08	-0.014	0.1% to 2.0%					2107	3440851.34	5487559.76	824.5653
1404	1403	Landing/Turning Space	6	9.97	0.18	0.018	0.1% to 2.0%	Yes				2108	3440854.073	5487555.57	824.4902
1403	1409	Landing/Turning Space	6	5.00	-0.25	-0.05	0.1% to 2.0%					2200	3440875.311	5487506.12	824.8816
1403	1412	Ramp Running Slope	6	10.69	0.16	0.015	0.5% to 8.3%					2201	3440874.558	5487511.6	824.7972
1404	1413	Ramp Running Slope	6	11.46	0.19	0.017	0.5% to 8.3%					2202	3440877.285	5487507.4	824.8722
1412	1413	Ramp Cross Slope	6	10.00	-0.15	-0.015	0.1% to 2.0%					2203	3440878.749	5487514.32	825.1206
1413	1406	Sidewalk Running Slope	4	15.00	-0.22	-0.015	0.5% to 5.0%					2204	3440881.475	5487510.13	825.1955
1412	1405	Sidewalk Running Slope	4	15.00	-0.22	-0.015	0.5% to 5.0%					2205	3440898.237	5487521.04	826.0212
1406	1405	Sidewalk Cross Slope	4	10.00	0.15	0.015	0.5% to 2.0%					2206	3440895.51	5487525.23	825.9456
												2207	3440885.665	5487512.86	825.2706
2100	2102	Ramp Running Slope	6	1.27	0.13	0.102	0.5% to 8.3%				SPECIAL SHAPING	2208	3440882.939	5487517.05	825.1956
2102	2101	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					2300	3440852.965	5487491.54	824.9707
2102	2104	Ramp Running Slope	6	5.00	0.41	0.082	0.5% to 8.3%	Yes				2301	3440848.282	5487494.45	824.8862
2101	2103	Ramp Running Slope	6	5.00	0.41	0.082	0.5% to 8.3%	Yes				2302	3440851.015	5487490.27	824.9612
2103	2104	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					2303	3440843.899	5487485.63	825.2152
2103	2108	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					2304	3440841.202	5487489.84	825.1397
2108	2107	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					2305	3440837.013	5487487.11	825.2147
2107	2104	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					2306	3440839.709	5487482.9	825.2911
2107	2106	Sidewalk Running Slope	4	15.00	0.84	0.056	0.5% to 5.0%					2307	3440827.141	5487474.71	825.6931
2106	2105	Sidewalk Cross Slope	4	5.00	-0.07	-0.015	0.5% to 2.0%					2308	3440824.444	5487478.92	825.6185
2105	2108	Sidewalk Running Slope	4	15.00	-0.84	-0.056	0.5% to 5.0%					2309	3440847.774	5487470.25	826.5893
2200	2202	Ramp Running Slope	6	2.35	-0.01	-0.004	0.5% to 8.3%				SPECIAL SHAPING	2310	3440850.96	5487472.33	826.5612
2202	2201	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					2311	3440831.248	5487496.11	824.4352
2202	2204	Ramp Running Slope	6	5.00	0.32	0.065	0.5% to 8.3%					2312	3440836.687	5487496.89	824.5828
2201	2203	Ramp Running Slope	6	5.00	0.32	0.065	0.5% to 8.3%					2313	3440832.476	5487494.19	824.6578
2204	2203	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					2314	3440847.121	5487478.31	825.9213
2204	2207	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					2400	3440817.936	5487537.96	823.9064
2204	2208	Landing/Turning Space	6	7.07	0	0	0.1% to 2.0%					2401	3440818.481	5487532.34	823.9669
2207	2208	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					2402	3440815.749	5487536.53	824.0419
2208	2206	Sidewalk Running Slope	4	15.00	0.75	0.05	0.5% to 5.0%	Yes				2403	3440812.612	5487534.48	824.3472
2207	2205	Sidewalk Running Slope	4	15.00	0.75	0.05	0.5% to 5.0%	Yes				2404	3440815.309	5487530.27	824.272
2205	2206	Sidewalk Cross Slope	4	5.00	-0.08	-0.015	0.5% to 2.0%					2405	3440808.425	5487531.75	824.4213
2300	2302	Ramp Running Slope	6	2.33	-0.01	-0.004	0.5% to 8.3%				SPECIAL SHAPING	2406	3440811.121	5487527.54	824.347
2302	2301	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					2407	3440815.442	5487520.79	824.2443
2302	2303	Ramp Running Slope	6	8.49	0.25	0.03	0.5% to 8.3%					2408	3440817.701	5487526.53	824.0258
2301	2304	Ramp Running Slope	6	8.45	0.25	0.03	0.5% to 8.3%					2409	3440813.491	5487523.84	824.1008
2303	2304	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					2410	3440798.56	5487519.34	824.8605
2303	2306	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					2411	3440795.863	5487523.55	824.934
2306	2305	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					2412	3440807.92	5487539.85	824.635
2305	2304	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					2413	3440804.607	5487537.74	824.6818
2304	2312	Ramp Running Slope	6	8.37	-0.56	-0.067	0.5% to 8.3%					3100	3441130.038	5487741.18	834.8384
2305	2313	Ramp Running Slope	6	8.41	-0.56	-0.066	0.5% to 8.3%				VARIANCE NEEDED	3101	3441135.53	5487738.79	835.0495
2312	2313	Ramp Cross Slope	6	5.00	0.07	0.015	0.1% to 2.0%				VARIANCE NEEDED	3102	3441132.802	5487742.98	835.1245
2313	2311	Ramp Running Slope	6	2.28	-0.22	-0.098	0.5% to 8.3%				VARIANCE NEEDED; SPECIAL SHAPING	3103	3441138.93	5487741	835.5748
2306	2309	Sidewalk Running Slope	4	15.00	1.3	0.087	0.5% to 5.0%					3104	3441136.187	5487745.18	835.6474
2310	2309	Match Existing Cross Slope	4	3.80	0.03	0.007	Match Existing					3105	3441143.12	5487743.73	835.6498
2310	2314	Sidewalk Running Slope	4	7.11	-0.64	-0.09	0.5% to 5.0%					3106	3441140.377	5487747.91	835.7293
2314	2303	Sidewalk Running Slope	4	8.00	-0.71	-0.088	0.5% to 5.0%					3107	3441146.789	5487738.14	835.6616
2306	2307	Sidewalk Running Slope	4	15.00	0.4	0.027	0.5% to 5.0%					3108	3441141.02	5487737.82	835.3448
2307	2308	Sidewalk Cross Slope	4	5.00	-0.07	-0.015	0.5% to 2.0%					3109	3441145.201	5487740.56	835.4198
2308	2305	Sidewalk Running Slope	4	15.00	-0.4	-0.027	0.5% to 5.0%					3110	3441146.779	5487747.27	835.83
2400	2402	Ramp Running Slope	6	2.61	0.14	0.052	0.5% to 8.3%				SPECIAL SHAPING	3111	3441144.035	5487751.45	835.9138
2402	2401	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					3112	3441152.473	5487756.78	836.2576
2401	2404	Ramp Running Slope	6	3.79	0.31	0.081	0.5% to 8.3%	Yes				3113	3441155.216	5487752.6	836.1833
2402	2403	Ramp Running Slope	6	3.75	0.31	0.082	0.5% to 8.3%	Yes				3114	3441138.816	5487752.86	836.5049
2404	2403	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					3115	3441134.855	5487750.28	835.915
2404	2408	Ramp Running Slope	6	4.44	-0.25	-0.056	0.5% to 8.3%					3200	3441165.436	5487709.72	835.8225

SIDEWALK TABLES

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
2408	2409	Ramp Cross Slope	6	5.00	0.08	0.015	0.1% to 2.0%					3201	3441162.713	5487704.76	835.7294
2409	2407	Ramp Running Slope	6	3.62	0.14	0.04	0.5% to 8.3%				SPECIAL SHAPING	3202	3441166.893	5487707.5	835.8044
2409	2406	Ramp Running Slope	6	4.39	0.25	0.056	0.5% to 8.3%					3203	3441165.187	5487700.99	836.6015
2404	2406	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					3204	3441169.368	5487703.73	836.6765
2406	2405	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					3205	3441167.931	5487696.81	836.6696
2405	2403	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					3206	3441172.111	5487699.55	836.7515
2403	2412	Sidewalk Running Slope	4	7.13	0.29	0.04	0.5% to 5.0%					3207	3441160.951	5487692.23	835.6214
2412	2413	Match Existing Cross Slope	4	3.93	0.05	0.012	Match Existing					3208	3441160.993	5487698.24	835.7186
2413	2405	Sidewalk Running Slope	4	7.10	-0.26	-0.037	0.5% to 5.0%					3209	3441163.736	5487694.06	835.7936
2406	2410	Sidewalk Running Slope	4	15.00	0.51	0.034	0.5% to 5.0%					3210	3441174.96	5487695.21	837.074
2410	2411	Sidewalk Cross Slope	4	5.00	0.07	0.015	0.5% to 2.0%					3211	3441171.641	5487692.98	836.8632
2411	2405	Sidewalk Running Slope	4	15.00	-0.51	-0.034	0.5% to 5.0%					3212	3441184.661	5487707.77	837.3203
												3213	3441181.918	5487711.95	837.2451
3100	3102	Ramp Running Slope	6	3.30	0.29	0.087	0.5% to 8.3%				SPECIAL SHAPING	3300	3441135.231	5487675.35	834.49
3102	3101	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					3301	3441129.627	5487677.65	834.2632
3101	3103	Ramp Running Slope	6	4.06	0.53	0.129	0.5% to 8.3%					3302	3441132.359	5487673.47	834.3386
3102	3104	Ramp Running Slope	6	4.04	0.52	0.129	0.5% to 8.3%					3303	3441125.021	5487674.63	834.4461
3104	3103	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					3304	3441127.735	5487670.43	834.5211
3104	3106	Landing/Turning Space	6	5.00	0.08	0.016	0.1% to 2.0%	Yes				3305	3441120.83	5487671.9	834.5211
3106	3105	Landing/Turning Space	6	5.00	-0.08	-0.016	0.1% to 2.0%	Yes				3306	3441123.544	5487667.71	834.5955
3103	3105	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					3307	3441117.031	5487677.8	833.8057
3103	3108	Ramp Running Slope	6	3.81	-0.23	-0.06	0.5% to 8.3%					3308	3441122.47	5487678.58	834.0741
3108	3109	Ramp Cross Slope	6	5.00	0.08	0.015	0.1% to 2.0%					3309	3441118.259	5487675.88	834.1461
3105	3109	Ramp Running Slope	6	3.79	-0.23	-0.061	0.5% to 8.3%					3310	3441110.973	5487659.52	834.0254
3109	3107	Ramp Running Slope	6	2.90	0.24	0.084	0.5% to 8.3%				SPECIAL SHAPING	3311	3441108.259	5487663.72	833.951
3105	3110	Sidewalk Running Slope	4	5.09	0.18	0.035	0.5% to 5.0%					3312	3441126.984	5487662.6	835.024
3106	3111	Sidewalk Running Slope	4	5.09	0.18	0.036	0.5% to 5.0%					3313	3441130.165	5487664.68	835.1518
3110	3111	Sidewalk Cross Slope	4	5.00	0.08	0.017	0.5% to 2.0%	Yes				3400	3441102.818	5487723.46	834.0726
3110	3113	Sidewalk Running Slope	4	9.98	0.35	0.035	0.5% to 5.0%					3401	3441102.717	5487717.43	834.069
3113	3112	Sidewalk Cross Slope	4	5.00	0.07	0.015	0.5% to 2.0%					3402	3441099.99	5487721.62	834.14
3112	3111	Sidewalk Running Slope	4	9.98	-0.34	-0.034	0.5% to 5.0%					3403	3441096.564	5487719.4	834.1744
3106	3114	Sidewalk Running Slope	4	5.19	0.78	0.149	0.5% to 5.0%				VARIANCE NEEDED	3404	3441099.253	5487715.17	834.1
3104	3115	Sidewalk Running Slope	4	5.27	0.27	0.051	0.5% to 5.0%				VARIANCE NEEDED	3405	3441095.062	5487712.45	834.175
3114	3115	Match Existing Cross Slope	4	4.73	-0.59	-0.125	Match Existing				VARIANCE NEEDED	3406	3441092.377	5487716.66	834.2471
3200	3202	Ramp Running Slope	6	2.66	-0.02	-0.007	0.5% to 8.3%					3407	3441098.641	5487706.83	834.1962
3202	3201	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					3408	3441101.309	5487711.94	833.9695
3202	3204	Ramp Running Slope	6	4.51	0.87	0.193	0.5% to 8.3%					3409	3441097.091	5487709.26	834.045
3201	3203	Ramp Running Slope	6	4.51	0.87	0.193	0.5% to 8.3%					3410	3441089.514	5487720.29	833.8208
3204	3203	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					3411	3441092.853	5487722.36	833.8848
3203	3205	Landing/Turning Space	6	5.00	0.07	0.014	0.1% to 2.0%					3412	3441082.491	5487704.26	833.5962
3205	3206	Landing/Turning Space	6	5.00	0.08	0.016	0.1% to 2.0%	Yes				3413	3441079.806	5487708.48	833.6731
3206	3204	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					4100	3441413.897	5487927.14	855.5054
3203	3208	Ramp Running Slope	6	5.02	-0.88	-0.176	0.5% to 8.3%					4101	3441419.445	5487924.8	856.0661
3205	3209	Ramp Running Slope	6	5.02	-0.88	-0.175	0.5% to 8.3%					4102	3441416.708	5487928.98	856.1411
3208	3209	Ramp Cross Slope	6	5.00	0.07	0.015	0.1% to 2.0%					4103	3441424.773	5487928.28	857.1702
3209	3207	Ramp Running Slope	6	3.33	-0.17	-0.052	0.5% to 8.3%				SPECIAL SHAPING	4104	3441425.364	5487928.67	857.1808
3205	3211	Sidewalk Running Slope	4	5.33	0.19	0.036	0.5% to 5.0%					4105	3441429.548	5487931.41	857.2558
3211	3210	Match Existing Cross Slope	4	4.00	0.21	0.053	Match Existing					4106	3441426.819	5487935.6	857.3319
3210	3206	Sidewalk Running Slope	4	5.19	-0.32	-0.062	0.5% to 5.0%					4107	3441433.687	5487925.06	857.4237
3206	3212	Sidewalk Running Slope	4	15.00	0.57	0.038	0.5% to 5.0%					4108	3441428.426	5487923.97	857.3678
3213	3212	Sidewalk Cross Slope	4	5.00	0.08	0.015	0.5% to 2.0%					4109	3441432.615	5487926.7	857.4428
3300	3302	Ramp Running Slope	6	3.43	-0.15	-0.044	0.5% to 8.3%				SPECIAL SHAPING	4110	3441417.595	5487939.09	856.9291
3302	3301	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					4111	3441420.884	5487941.27	857.2554
3301	3303	Ramp Running Slope	6	5.51	0.18	0.033	0.5% to 8.3%					4112	3441442.099	5487939.62	858.9526
3302	3304	Ramp Running Slope	6	5.53	0.18	0.033	0.5% to 8.3%					4113	3441439.369	5487943.81	859.0286
3304	3303	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					4114	3441425.268	5487934.58	857.3031
3304	3306	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					4115	3441422.007	5487932.45	857.2279
3306	3305	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					4200	3441452.236	5487896.6	857.0938
3305	3303	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					4201	3441449.605	5487891.48	856.9911

SIDEWALK TABLES

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
3304	3313	Sidewalk Running Slope	4	6.25	0.63	0.101	0.5% to 5.0%					4202	3441453.794	5487894.21	857.0661
3313	3312	Match Existing Cross Slope	4	3.80	-0.13	-0.034	Match Existing					4203	3441450.956	5487889.41	857.1971
3312	3306	Sidewalk Running Slope	4	6.15	-0.43	-0.07	0.5% to 5.0%					4204	3441455.145	5487892.14	857.29
3306	3310	Sidewalk Running Slope	4	15.00	-0.57	-0.038	0.5% to 5.0%					4205	3441451.524	5487888.53	857.2127
3310	3311	Sidewalk Cross Slope	4	5.00	-0.07	-0.015	0.5% to 2.0%					4206	3441454.254	5487884.34	857.2877
3311	3305	Sidewalk Running Slope	4	15.00	0.57	0.038	0.5% to 5.0%					4207	3441448.21	5487880.37	856.9236
3305	3309	Ramp Running Slope	6	4.74	-0.38	-0.079	0.5% to 8.3%	Yes				4208	3441448.319	5487886.43	856.7166
3303	3308	Ramp Running Slope	6	4.70	-0.37	-0.079	0.5% to 8.3%	Yes				4209	3441451.062	5487882.25	856.7913
3308	3309	Ramp Cross Slope	6	5.00	0.07	0.014	0.1% to 2.0%					4210	3441459.704	5487877.16	858.7633
3309	3307	Ramp Running Slope	6	2.28	-0.34	-0.149	0.5% to 8.3%				SPECIAL SHAPING	4211	3441463.376	5487879.57	858.9867
3400	3402	Ramp Running Slope	6	3.37	0.07	0.02	0.5% to 8.3%				SPECIAL SHAPING	4212	3441470.467	5487896.1	859.3652
3402	3401	Ramp Cross Slope	6	5.00	-0.07	-0.014	0.1% to 2.0%					4213	3441467.735	5487900.29	859.2661
3402	3403	Ramp Running Slope	6	4.08	0.03	0.008	0.5% to 8.3%					4214	3441458.433	5487887.09	857.3625
3401	3404	Ramp Running Slope	6	4.13	0.03	0.007	0.5% to 8.3%					4215	3441457.875	5487887.95	857.365
3404	3403	Landing/Turning Space	6	5.01	0.07	0.015	0.1% to 2.0%					4300	3441418.384	5487860.77	854.2081
3403	3406	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					4301	3441412.521	5487862.9	853.7413
3406	3405	Landing/Turning Space	6	5.00	-0.07	-0.014	0.1% to 2.0%					4302	3441415.259	5487858.71	853.8163
3405	3404	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					4303	3441412.77	5487857.08	854.0539
3404	3408	Ramp Running Slope	6	3.83	-0.13	-0.034	0.5% to 8.3%					4304	3441410.031	5487861.27	853.9789
3408	3409	Ramp Cross Slope	6	5.00	0.08	0.015	0.1% to 2.0%					4305	3441408.583	5487854.34	853.9788
3409	3407	Ramp Running Slope	6	2.89	0.15	0.052	0.5% to 8.3%				SPECIAL SHAPING	4306	3441405.845	5487858.53	853.9038
3409	3405	Ramp Running Slope	6	3.78	0.13	0.034	0.5% to 8.3%					4307	3441396.033	5487846.13	852.8979
3405	3412	Sidewalk Running Slope	4	15.00	-0.58	-0.039	0.5% to 5.0%					4308	3441393.294	5487850.31	852.8229
3412	3413	Sidewalk Cross Slope	4	5.00	0.08	0.015	0.5% to 2.0%					4309	3441412.985	5487849.95	854.8868
3413	3406	Sidewalk Running Slope	4	15.00	0.57	0.038	0.5% to 5.0%					4310	3441416.228	5487852.29	854.8821
3406	3410	Sidewalk Running Slope	4	4.62	-0.43	-0.092	0.5% to 5.0%					4400	3441389.35	5487911.07	853.6621
3411	3410	Sidewalk Cross Slope	4	3.93	-0.06	-0.016	0.5% to 2.0%	Yes				4401	3441389.512	5487905.2	853.4074
3411	3403	Sidewalk Running Slope	4	4.75	0.29	0.061	0.5% to 5.0%					4402	3441386.773	5487909.39	853.4824
												4403	3441381.145	5487899.73	853.0714
4100	4102	Ramp Running Slope	6	3.36	0.64	0.189	0.5% to 8.3%				SPECIAL SHAPING	4404	3441378.407	5487903.91	853.1464
4102	4101	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					4405	3441368.594	5487891.51	851.6944
4102	4115	Ramp Running Slope	6	6.33	1.09	0.172	0.5% to 8.3%					4406	3441365.856	5487895.69	851.7694
4101	4103	Ramp Running Slope	6	6.37	1.1	0.173	0.5% to 8.3%					4407	3441382.59	5487906.65	853.0715
4103	4104	Landing/Turning Space	6	0.71	0.01	0.015	0.1% to 2.0%					4408	3441385.328	5487902.46	852.9964
4103	4115	Landing/Turning Space	6	5.00	0.06	0.012	0.1% to 2.0%					6100	3441973.384	5488318.24	852.6959
4115	4114	Landing/Turning Space	6	3.90	0.08	0.019	0.1% to 2.0%	Yes				6101	3441978.367	5488315.61	852.6412
4114	4106	Landing/Turning Space	6	1.85	0.03	0.016	0.1% to 2.0%	Yes				6102	3441975.51	5488319.72	852.7162
4106	4105	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					6103	3441981.757	5488324.06	852.5839
4105	4104	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					6104	3441984.592	5488319.95	852.5093
4105	4109	Ramp Running Slope	6	5.62	0.19	0.033	0.5% to 8.3%					6105	3441988.695	5488322.8	852.4343
4109	4107	Ramp Running Slope	6	1.96	-0.02	-0.01	0.5% to 8.3%				SPECIAL SHAPING	6106	3441985.861	5488326.92	852.6677
4109	4108	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					6108	3441982.578	5488324.64	852.5689
4105	4112	Sidewalk Running Slope	4	15.00	1.7	0.113	0.5% to 5.0%					6109	3441994.181	5488314.83	851.39
4112	4113	Sidewalk Cross Slope	4	5.00	0.08	0.015	0.5% to 2.0%					6110	3441988.725	5488313.94	852.0186
4113	4106	Sidewalk Running Slope	4	15.00	-1.7	-0.113	0.5% to 5.0%					6111	3441992.844	5488316.77	852.0936
4114	4111	Sidewalk Running Slope	4	8.00	-0.05	-0.006	0.5% to 5.0%					6112	3441978.955	5488332.08	852.6252
4111	4110	Match Existing Cross Slope	4	3.95	-0.33	-0.083	Match Existing					6113	3441982.271	5488334.17	852.3665
4110	4115	Sidewalk Running Slope	4	7.97	0.3	0.037	0.5% to 5.0%					6114	3442001.006	5488331.37	851.0416
4200	4202	Ramp Running Slope	6	2.85	-0.03	-0.01	0.5% to 8.3%				SPECIAL SHAPING	6115	3441998.172	5488335.49	851.114
4202	4201	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					6200	3442009.687	5488265.53	852.712
4202	4204	Ramp Running Slope	6	2.47	0.22	0.091	0.5% to 8.3%					6201	3442008.863	5488271.05	852.4888
4201	4203	Ramp Running Slope	6	2.47	0.21	0.083	0.5% to 8.3%	Yes				6202	3442011.72	5488266.94	852.5638
4203	4205	Landing/Turning Space	6	1.04	0.02	0.015	0.1% to 2.0%					6203	3442015.202	5488275.46	852.5456
4205	4206	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					6204	3442018.036	5488271.34	852.6181
4206	4214	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					6205	3442022.139	5488274.2	852.546
4214	4215	Landing/Turning Space	6	1.02	0	0.002	0.1% to 2.0%					6206	3442020.862	5488267.23	852.6742
4215	4204	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					6207	3442019.305	5488278.32	852.4706
4204	4203	Landing/Turning Space	6	5.00	-0.09	-0.019	0.1% to 2.0%	Yes				6208	3442013.571	5488286.65	851.42
4205	4208	Ramp Running Slope	6	3.83	-0.5	-0.129	0.5% to 8.3%					6209	3442010.842	5488281.79	852.0234

SIDEWALK TABLES

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
4208	4209	Ramp Cross Slope	6	5.00	0.07	0.015	0.1% to 2.0%					6210	3442014.961	5488284.63	852.0984
4209	4207	Ramp Running Slope	6	3.41	0.13	0.039	0.5% to 8.3%				SPECIAL SHAPING	6211	3442024.661	5488264.99	852.6431
4206	4210	Sidewalk Running Slope	4	9.02	1.48	0.164	0.5% to 5.0%					6212	3442027.588	5488267	852.5856
4210	4211	Match Existing Cross Slope	4	4.39	0.22	0.051	Match Existing					6213	3442034.45	5488282.77	851.0582
4211	4214	Sidewalk Running Slope	4	9.00	-1.62	-0.18	0.5% to 5.0%					6214	3442031.616	5488286.89	850.9805
4215	4212	Sidewalk Running Slope	4	15.00	2	0.133	0.5% to 5.0%					6300	3441987.247	5488249.91	854.1328
4212	4213	Sidewalk Cross Slope	4	5.00	-0.1	-0.02	0.5% to 2.0%	Yes				6301	3441982.319	5488252.57	854.6311
4213	4204	Sidewalk Running Slope	4	15.00	-1.98	-0.132	0.5% to 5.0%					6302	3441985.176	5488248.46	854.7061
4300	4302	Ramp Running Slope	6	3.74	-0.39	-0.105	0.5% to 8.3%				SPECIAIL SHAPING	6303	3441974.206	5488246.92	855.4228
4302	4301	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					6304	3441978.31	5488249.78	855.1407
4302	4303	Ramp Running Slope	6	2.98	0.24	0.08	0.5% to 8.3%	Yes				6305	3441977.063	5488242.82	855.6825
4301	4304	Ramp Running Slope	6	2.98	0.24	0.08	0.5% to 8.3%	Yes				6306	3441975.392	5488240.92	855.9933
4303	4304	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					6307	3441972.367	5488244.92	855.8874
4304	4306	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					6308	3441981.167	5488245.67	855.2157
4305	4306	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					6309	3441963.621	5488232.98	858.3415
4305	4303	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					6310	3441960.823	5488237.12	858.2665
4303	4310	Sidewalk Running Slope	4	5.91	0.83	0.14	0.5% to 5.0%					6400	3441950.908	5488302.59	854.08
4310	4309	Match Existing Cross Slope	4	4.00	0	0.001	Match Existing					6401	3441951.616	5488296.99	854.4729
4309	4305	Sidewalk Running Slope	4	6.22	-0.91	-0.146	0.5% to 5.0%					6402	3441948.759	5488301.09	854.5479
4305	4307	Sidewalk Running Slope	4	15.00	-1.08	-0.072	0.5% to 5.0%					6403	3441943.351	5488291.24	855.3088
4307	4308	Sidewalk Cross Slope	4	5.00	-0.08	-0.015	0.5% to 2.0%					6404	3441940.495	5488295.34	855.3836
4308	4306	Sidewalk Running Slope	4	15.00	1.08	0.072	0.5% to 5.0%					6405	3441931.041	5488282.67	857.5692
4400	4402	Ramp Running Slope	6	3.08	-0.18	-0.058	0.5% to 8.3%				SPECIAL SHAPING	6406	3441928.184	5488286.77	857.6584
4402	4401	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					6407	3441944.598	5488298.2	855.3088
4402	4407	Ramp Running Slope	6	5.00	-0.41	-0.082	0.5% to 8.3%	Yes				6408	3441947.455	5488294.09	855.2338
4401	4408	Ramp Running Slope	6	5.00	-0.41	-0.082	0.5% to 8.3%	Yes				7100	3442251.445	5488511.81	830.9944
4407	4408	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					7101	3442256.557	5488509.28	831.0739
4408	4403	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					7102	3442253.7	5488513.38	831.148
4403	4404	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					7103	3442262.11	5488513.14	831.3153
4404	4407	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					7104	3442266.214	5488516	831.3903
4404	4406	Sidewalk Running Slope	4	15.00	-1.38	-0.092	0.5% to 5.0%					7105	3442259.231	5488517.23	831.3903
4406	4405	Sidewalk Cross Slope	4	5.00	-0.08	-0.015	0.5% to 2.0%					7106	3442263.335	5488520.09	831.4649
4405	4403	Sidewalk Running Slope	4	15.00	1.38	0.092	0.5% to 5.0%					7107	3442271.656	5488508.27	830.9348
												7108	3442265.993	5488507.63	831.0465
6100	6102	Ramp Running Slope	6	2.59	0.02	0.008	0.5% to 8.3%				SPECIAL SHAPING	7109	3442270.082	5488510.51	831.1216
6102	6101	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					7110	3442257.749	5488521.07	831.254
6101	6104	Ramp Running Slope	6	7.58	-0.13	-0.017	0.5% to 8.3%					7111	3442261.032	5488523.36	831.1752
6102	6103	Ramp Running Slope	6	7.61	-0.13	-0.017	0.5% to 8.3%					7112	3442275.645	5488528.66	831.0972
6103	6104	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					7113	3442278.524	5488524.57	831.022
6103	6108	Landing/Turning Space	6	1.00	-0.01	-0.015	0.1% to 2.0%					7200	3442286.691	5488460.24	831.656
6108	6106	Landing/Turning Space	6	4.00	0.1	0.025	0.1% to 2.0%					7201	3442286.939	5488466.51	831.5698
6106	6105	Landing/Turning Space	6	5.00	-0.23	-0.047	0.1% to 2.0%					7202	3442289.794	5488462.4	831.6448
6105	6104	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					7203	3442292.346	5488470.27	831.7455
6104	6110	Ramp Running Slope	6	7.29	-0.49	-0.067	0.5% to 8.3%					7204	3442295.227	5488466.18	831.8206
6110	6111	Ramp Cross Slope	6	5.00	0.08	0.015	0.1% to 2.0%					7205	3442299.329	5488469.04	831.8956
6111	6109	Ramp Running Slope	6	2.36	-0.7	-0.298	0.5% to 8.3%				SPECIAL SHAPING	7206	3442296.45	5488473.12	831.8205
6111	6105	Ramp Running Slope	6	7.32	0.34	0.047	0.5% to 8.3%					7207	3442291.446	5488480.23	831.0483
6105	6114	Sidewalk Running Slope	4	15.00	-1.39	-0.093	0.5% to 5.0%					7208	3442288.752	5488475.37	831.2544
6114	6115	Sidewalk Cross Slope	4	5.00	0.07	0.014	0.5% to 2.0%					7209	3442292.84	5488478.25	831.3289
6115	6106	Sidewalk Running Slope	4	15.00	1.55	0.104	0.5% to 5.0%					7210	3442302.186	5488457.74	832.2607
6106	6113	Sidewalk Running Slope	4	8.09	-0.3	-0.037	0.5% to 5.0%					7211	3442305.311	5488459.94	832.2856
6113	6112	Match Existing Cross Slope	4	3.92	0.26	0.066	Match Existing					7212	3442311.633	5488477.62	831.7311
6112	6108	Sidewalk Running Slope	4	8.27	-0.06	-0.007	0.5% to 5.0%					7213	3442308.754	5488481.7	831.6585
6200	6202	Ramp Running Slope	6	2.48	-0.15	-0.06	0.5% to 8.3%				SPECIAL SHAPING	7214	3442298.087	5488462.08	832.0344
6202	6201	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					7300	3442264.477	5488444.77	832.7061
6202	6204	Ramp Running Slope	6	7.70	0.05	0.007	0.5% to 8.3%					7301	3442259.494	5488447.4	832.6096
6201	6203	Ramp Running Slope	6	7.72	0.06	0.007	0.5% to 8.3%					7302	3442262.351	5488443.29	832.6972
6203	6204	Landing/Turning Space	6	5.00	0.07	0.014	0.1% to 2.0%					7303	3442258.247	5488440.44	832.9455
6204	6205	Landing/Turning Space	6	5.00	-0.07	-0.014	0.1% to 2.0%					7304	3442255.39	5488444.54	832.8705

SIDEWALK TABLES

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
6205	6207	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					7305	3442241.932	5488428.87	833.9452
6207	6203	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					7306	3442239.075	5488432.97	833.8536
6204	6206	Sidewalk Running Slope	4	4.99	0.06	0.011	0.5% to 5.0%					7307	3442251.287	5488441.68	833.2598
6206	6211	Sidewalk Running Slope	4	4.41	-0.03	-0.007	0.5% to 5.0%					7308	3442254.144	5488437.58	833.3362
6211	6212	Match Existing Cross Slope	4	3.55	-0.06	-0.016	Match Existing					7400	3442226.686	5488494.57	831.8827
6212	6205	Sidewalk Running Slope	4	9.02	-0.04	-0.004	0.5% to 5.0%					7401	3442227.58	5488489.1	831.8825
6205	6213	Sidewalk Running Slope	4	15.00	-1.49	-0.099	0.5% to 5.0%					7402	3442224.723	5488493.21	831.9575
6213	6214	Sidewalk Cross Slope	4	5.00	-0.08	-0.016	0.5% to 2.0%	Yes				7403	3442223.476	5488486.25	832.1803
6214	6207	Sidewalk Running Slope	4	15.00	1.49	0.099	0.5% to 5.0%					7404	3442220.619	5488490.35	832.2553
6207	6210	Ramp Running Slope	6	7.66	-0.37	-0.049	0.5% to 8.3%					7405	3442207.062	5488474.82	832.8688
6210	6208	Ramp Running Slope	6	2.45	-0.68	-0.277	0.5% to 8.3%				SPECIAL SHAPING	7406	3442204.205	5488478.92	832.9438
6210	6209	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					7407	3442219.372	5488483.39	832.2553
6209	6203	Ramp Running Slope	6	7.69	0.52	0.068	0.5% to 8.3%					7408	3442216.516	5488487.49	832.3303
6300	6302	Ramp Running Slope	6	2.52	0.57	0.227	0.5% to 8.3%				SPECIAL SHAPING	8100	3442832.435	5488893.18	821.2456
6302	6301	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					8101	3442828.33	5488890.32	821.211
6302	6308	Ramp Running Slope	6	4.89	0.51	0.104	0.5% to 8.3%					8102	3442826.289	5488902.04	821.3928
6301	6304	Ramp Running Slope	6	4.89	0.51	0.104	0.5% to 8.3%					8103	3442822.18	5488899.2	821.311
6308	6304	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					8104	3442823.437	5488906.15	821.4678
6304	6303	Landing/Turning Space	6	5.00	0.28	0.056	0.1% to 2.0%					8105	3442819.331	5488903.3	821.386
6303	6305	Landing/Turning Space	6	5.00	0.26	0.052	0.1% to 2.0%					8106	3442828.855	5488909.91	821.6132
6305	6308	Landing/Turning Space	6	5.00	-0.47	-0.093	0.1% to 2.0%					8107	3442831.712	5488905.81	821.5382
6305	6306	Sidewalk Running Slope	4	2.52	0.31	0.123	0.5% to 5.0%					8108	3442810.411	5488897.1	821.4318
6306	6307	Sidewalk Cross Slope	4	5.01	-0.11	-0.021	0.5% to 2.0%					8109	3442813.264	5488892.99	821.3568
6303	6307	Sidewalk Running Slope	4	2.72	0.46	0.171	0.5% to 5.0%					8200	3442849.167	5488851.16	820.7748
6306	6309	Sidewalk Running Slope	4	14.20	2.35	0.165	0.5% to 5.0%					8201	3442847.797	5488856.3	820.8707
6309	6310	Sidewalk Cross Slope	4	5.00	-0.08	-0.015	0.5% to 2.0%					8202	3442850.643	5488852.19	820.9372
6310	6307	Sidewalk Running Slope	4	13.93	-2.38	-0.171	0.5% to 5.0%					8203	3442853.418	5488854.13	821.1645
6400	6402	Ramp Running Slope	6	2.62	0.47	0.179	0.5% to 8.3%				SPECIAL SHAPING	8204	3442859.086	5488858.07	821.2688
6402	6401	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					8205	3442856.228	5488862.18	821.1938
6402	6407	Ramp Running Slope	6	5.07	0.76	0.15	0.5% to 8.3%					8206	3442850.569	5488858.23	821.0904
6401	6408	Ramp Running Slope	6	5.07	0.76	0.15	0.5% to 8.3%					8207	3442861.557	5488848.23	821.4178
6407	6408	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					8208	3442864.445	5488850.29	821.4746
6407	6404	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					8209	3442871.395	5488866.65	822.1491
6404	6403	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					8210	3442868.537	5488870.75	822.074
6403	6408	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					8211	3442856.096	5488855.99	821.2141
6404	6406	Sidewalk Running Slope	4	15.00	2.27	0.152	0.5% to 5.0%					8212	3442854.672	5488861.09	821.1641
6406	6405	Sidewalk Cross Slope	4	5.00	-0.09	-0.018	0.5% to 2.0%	Yes				8213	3442851.72	5488865.35	821.0469
6405	6403	Sidewalk Running Slope	4	15.00	-2.26	-0.151	0.5% to 5.0%					8214	3442847.613	5488862.5	820.9718
												8215	3442849.149	5488869.06	821.0898
7100	7102	Ramp Running Slope	6	2.75	0.15	0.056	0.5% to 8.3%				SPECIAL SHAPING	8300	3442825.855	5488834.3	820.7137
7102	7101	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					8301	3442821.616	5488837.44	820.7736
7102	7105	Ramp Running Slope	6	6.74	0.24	0.036	0.5% to 8.3%					8302	3442824.462	5488833.33	820.8538
7101	7103	Ramp Running Slope	6	6.77	0.24	0.036	0.5% to 8.3%					8303	3442817.514	5488834.58	821.1104
7103	7105	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					8304	3442820.36	5488830.47	821.1857
7105	7106	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					8305	3442800.823	5488823.57	821.5522
7106	7104	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					8306	3442803.669	5488819.46	821.4924
7104	7103	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					8307	3442813.41	5488831.73	821.1854
7103	7108	Ramp Running Slope	6	6.75	-0.27	-0.04	0.5% to 8.3%					8308	3442816.256	5488827.62	821.2575
7108	7109	Ramp Cross Slope	6	5.00	0.08	0.015	0.1% to 2.0%					9200	3443123.48	5489043.53	823.7697
7109	7107	Ramp Running Slope	6	2.74	-0.19	-0.068	0.5% to 8.3%				SPECIAL SHAPING	9201	3443122.413	5489048.88	823.8533
7109	7104	Ramp Running Slope	6	6.72	0.27	0.04	0.5% to 8.3%					9202	3443125.259	5489044.77	823.9272
7104	7113	Sidewalk Running Slope	4	15.00	-0.37	-0.025	0.5% to 5.0%					9203	3443130.619	5489054.6	824.2641
7113	7112	Sidewalk Cross Slope	4	5.00	0.08	0.015	0.5% to 2.0%					9204	3443133.465	5489050.48	824.3389
7112	7106	Sidewalk Running Slope	4	15.00	0.37	0.025	0.5% to 5.0%					9205	3443145.774	5489059.06	825.0328
7106	7111	Sidewalk Running Slope	4	4.00	-0.29	-0.072	0.5% to 5.0%					9206	3443142.928	5489063.17	824.9578
7111	7110	Match Existing Cross Slope	4	4.00	0.08	0.02	Match Existing					9207	3443129.362	5489047.63	824.2632
7110	7105	Sidewalk Running Slope	4	4.12	0.14	0.033	0.5% to 5.0%					9208	3443126.516	5489051.74	824.1891
7200	7202	Ramp Running Slope	6	3.78	-0.01	-0.003	0.5% to 8.3%				SPECIAL SHAPING	9300	3443099.515	5489026.84	823.471
7202	7201	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					9301	3443094.91	5489029.73	823.5372

SIDEWALK TABLES

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
7202	7204	Ramp Running Slope	6	6.62	0.18	0.027	0.5% to 8.3%					9302	3443097.756	5489025.61	823.6134
7201	7203	Ramp Running Slope	6	6.59	0.18	0.027	0.5% to 8.3%					9303	3443090.883	5489026.92	823.8483
7203	7204	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					9304	3443093.736	5489022.81	823.9233
7204	7205	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					9305	3443082.04	5489013.35	824.2986
7205	7206	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					9306	3443079.19	5489017.46	824.2237
7206	7203	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					9307	3443086.777	5489024.06	823.9233
7203	7208	Ramp Running Slope	6	6.24	-0.49	-0.079	0.5% to 8.3%	Yes				9308	3443089.63	5489019.96	824.0101
7208	7209	Ramp Cross Slope	6	5.00	0.07	0.015	0.1% to 2.0%					9309	3443087.349	5489032	823.516
7209	7207	Ramp Running Slope	6	2.42	-0.28	-0.116	0.5% to 8.3%				SPECIAL SHAPING	9310	3443083.243	5489029.15	823.5927
7209	7206	Ramp Running Slope	6	6.27	0.49	0.078	0.5% to 8.3%	Yes				9311	3443081.215	5489032.07	823.4585
7206	7213	Sidewalk Running Slope	4	15.00	-0.16	-0.011	0.5% to 5.0%					9312	3443077.97	5489010.52	824.2603
7213	7212	Sidewalk Cross Slope	4	5.00	0.07	0.015	0.5% to 2.0%					9313	3443075.12	5489014.62	824.1854
7212	7205	Sidewalk Running Slope	4	15.00	0.16	0.011	0.5% to 5.0%					9400	3443069.339	5489057.92	823.5623
7205	7211	Sidewalk Running Slope	4	10.89	0.39	0.036	0.5% to 5.0%					9401	3443065.233	5489055.06	823.9512
7211	7210	Match Existing Cross Slope	4	3.82	-0.02	-0.007	Match Existing					9402	3443063.239	5489066.7	824.2444
7210	7214	Sidewalk Running Slope	4	5.97	-0.23	-0.038	0.5% to 5.0%					9403	3443059.133	5489063.84	824.1692
7214	7204	Sidewalk Running Slope	4	5.00	-0.21	-0.043	0.5% to 5.0%	Yes				9404	3443056.28	5489067.95	824.2442
7300	7302	Ramp Running Slope	6	2.59	-0.01	-0.003	0.5% to 8.3%					9405	3443060.386	5489070.8	824.3194
7302	7301	Ramp Cross Slope	6	5.00	-0.09	-0.018	0.1% to 2.0%	Yes				9406	3443093.968	5489094.14	825.4063
7302	7303	Ramp Running Slope	6	5.00	0.25	0.05	0.5% to 8.3%					9407	3443090.683	5489091.86	825.3334
7301	7304	Ramp Running Slope	6	5.00	0.26	0.052	0.5% to 8.3%					9408	3443093.529	5489087.75	825.2582
7303	7304	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					9409	3443096.821	5489090.03	825.3316
7303	7308	Landing/Turning Space	6	5.00	0.39	0.078	0.1% to 2.0%					9410	3443091.685	5489097.42	825.4145
7308	7307	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					9411	3443088.401	5489095.14	825.3613
7307	7304	Landing/Turning Space	6	5.00	-0.39	-0.078	0.1% to 2.0%					9412	3443046.815	5489055.28	823.976
7307	7306	Sidewalk Running Slope	4	15.00	0.59	0.04	0.5% to 5.0%					9413	3443043.962	5489059.39	824.051
7306	7305	Sidewalk Cross Slope	4	5.00	0.09	0.018	0.5% to 2.0%	Yes				10200	3443403.589	5489238.55	837.6276
7305	7308	Sidewalk Running Slope	4	15.00	-0.61	-0.041	0.5% to 5.0%	Yes				10201	3443402.531	5489243.9	837.5334
7400	7402	Ramp Running Slope	6	2.39	0.07	0.031	0.5% to 8.3%				SPECIAL SHAPING	10202	3443405.381	5489239.79	837.6085
7402	7401	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					10203	3443410.88	5489243.62	838.1753
7402	7404	Ramp Running Slope	6	5.00	0.3	0.06	0.5% to 8.3%					10204	3443408.075	5489247.76	838.0956
7401	7403	Ramp Running Slope	6	5.00	0.3	0.06	0.5% to 8.3%					10205	3443412.215	5489250.56	838.1706
7403	7404	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					10206	3443415.019	5489246.43	838.2456
7403	7407	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					10207	3443414.229	5489240.73	838.415
7404	7408	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					10208	3443417.373	5489242.74	838.3313
7408	7407	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					10209	3443427.437	5489254.84	838.9449
7408	7406	Sidewalk Running Slope	4	15.00	0.61	0.041	0.5% to 5.0%	Yes				10210	3443424.633	5489258.98	838.8665
7406	7405	Sidewalk Cross Slope	4	5.00	-0.08	-0.015	0.5% to 2.0%					10300	3443377.903	5489220.74	836.8355
7405	7407	Sidewalk Running Slope	4	15.00	-0.61	-0.041	0.5% to 5.0%	Yes				10301	3443373.254	5489223.6	836.7487
												10302	3443376.113	5489219.49	836.8237
8100	8101	Ramp Cross Slope	6	5.00	-0.03	-0.007	0.1% to 2.0%					10303	3443365.05	5489217.88	836.9985
8100	8102	Ramp Running Slope	6	10.79	0.15	0.014	0.5% to 8.3%					10304	3443367.92	5489213.78	837.0738
8101	8103	Ramp Running Slope	6	10.80	0.1	0.009	0.5% to 8.3%					10305	3443355.612	5489205.21	836.6402
8102	8103	Landing/Turning Space	6	5.00	-0.08	-0.016	0.1% to 2.0%	Yes				10306	3443352.743	5489209.3	836.5648
8103	8105	Landing/Turning Space	6	4.99	0.07	0.015	0.1% to 2.0%					10307	3443372.017	5489216.64	837.148
8105	8104	Landing/Turning Space	6	5.00	0.08	0.016	0.1% to 2.0%	Yes				10308	3443369.16	5489220.74	837.0729
8104	8102	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					11100	3443668.106	5489476.76	838.7098
8103	8109	Sidewalk Running Slope	4	10.86	0.05	0.004	0.5% to 5.0%					11101	3443662.257	5489476.42	838.805
8105	8108	Sidewalk Running Slope	4	10.86	0.05	0.004	0.5% to 5.0%					11102	3443666.385	5489479.24	838.8783
8102	8107	Sidewalk Running Slope	4	6.60	0.15	0.022	0.5% to 5.0%					11103	3443656.564	5489484.64	839.0941
8106	8104	Sidewalk Running Slope	4	6.60	-0.15	-0.022	0.5% to 5.0%					11104	3443660.693	5489487.46	839.1682
8108	8109	Sidewalk Cross Slope	4	5.00	-0.07	-0.015	0.5% to 2.0%					11105	3443657.846	5489491.57	839.2436
8107	8106	Sidewalk Cross Slope	4	5.00	0.08	0.015	0.5% to 2.0%					11106	3443653.718	5489488.75	839.1695
8200	8202	Ramp Running Slope	6	1.80	0.16	0.09	0.5% to 8.3%				SPECIAL SHAPING	11200	3443681.952	5489429.93	839.081
8201	8202	Ramp Cross Slope	6	5.00	0.07	0.013	0.1% to 2.0%					11201	3443680.583	5489435.08	838.9552
8202	8203	Ramp Running Slope	6	3.38	0.23	0.067	0.5% to 8.3%					11202	3443683.428	5489430.97	839.0311
8201	8206	Ramp Running Slope	6	3.38	0.22	0.065	0.5% to 8.3%					11203	3443687.515	5489439.94	839.4458
8203	8206	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					11204	3443690.372	5489435.84	839.5198
8203	8211	Landing/Turning Space	6	3.26	0.05	0.015	0.1% to 2.0%					11205	3443694.478	5489438.72	839.5954

SIDEWALK TABLES

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
8211	8204	Landing/Turning Space	6	3.64	0.05	0.015	0.1% to 2.0%					11206	3443691.589	5489442.8	839.5204
8204	8205	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					11207	3443693.614	5489433.23	839.6589
8205	8212	Landing/Turning Space	6	1.90	-0.03	-0.016	0.1% to 2.0%	Yes				11208	3443696.745	5489435.42	839.7164
8212	8206	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					11209	3443706.681	5489447.44	839.5969
8206	8214	Ramp Running Slope	6	5.19	-0.12	-0.023	0.5% to 8.3%					11210	3443703.791	5489451.52	839.5226
8214	8213	Ramp Cross Slope	6	5.00	0.08	0.015	0.1% to 2.0%					11211	3443684.6	5489452.93	838.515
8213	8215	Ramp Running Slope	6	4.51	0.04	0.01	0.5% to 8.3%					11212	3443681.979	5489447.94	838.6405
8213	8212	Ramp Running Slope	6	5.18	0.12	0.023	0.5% to 8.3%					11213	3443686.09	5489450.78	838.7155
8211	8207	Sidewalk Running Slope	4	9.49	0.2	0.021	0.5% to 5.0%					11300	3443657.049	5489412.47	839.1434
8207	8206	Match Existing Cross Slope	4	14.86	-0.33	-0.022	Match Existing					11301	3443652.744	5489415.55	839.0994
8206	8204	Sidewalk Running Slope	4	8.52	0.18	0.021	0.5% to 5.0%					11302	3443655.61	5489411.46	839.1741
8204	8209	Sidewalk Running Slope	4	15.00	0.88	0.059	0.5% to 5.0%					11303	3443650.079	5489407.56	839.8987
8209	8210	Sidewalk Cross Slope	4	5.00	-0.08	-0.015	0.5% to 2.0%					11304	3443647.134	5489411.66	839.8301
8210	8205	Sidewalk Running Slope	4	15.00	-0.88	-0.059	0.5% to 5.0%					11305	3443643.082	5489408.78	839.9048
8300	8302	Ramp Running Slope	6	1.70	0.14	0.083	0.5% to 8.3%	Yes			SPECIAL SHAPING	11306	3443645.976	5489404.71	839.9797
8302	8301	Ramp Cross Slope	6	5.00	-0.08	-0.016	0.1% to 2.0%	Yes				11307	3443633.637	5489396.18	839.9962
8302	8304	Ramp Running Slope	6	5.00	0.33	0.066	0.5% to 8.3%					11308	3443630.741	5489400.25	839.9195
8301	8303	Ramp Running Slope	6	5.00	0.34	0.067	0.5% to 8.3%					11309	3443648.302	5489401.45	840.1112
8304	8303	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					11310	3443651.478	5489403.7	839.9912
8304	8308	Landing/Turning Space	6	5.00	0.07	0.014	0.1% to 2.0%					12201	3444112.52	5489718.44	835.6243
8308	8307	Landing/Turning Space	6	5.00	-0.07	-0.014	0.1% to 2.0%					12202	3444122.514	5489718.1	835.774
8307	8303	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					12203	3444125.128	5489746.66	836.472
8308	8306	Sidewalk Running Slope	4	15.00	0.23	0.016	0.5% to 5.0%					12204	3444129.682	5489740.08	836.352
8306	8305	Sidewalk Cross Slope	4	5.00	0.06	0.012	0.5% to 2.0%					12205	3444137.46	5489755.2	837.2154
8305	8307	Sidewalk Running Slope	4	15.00	-0.37	-0.024	0.5% to 5.0%					12206	3444142.014	5489748.62	837.0998
												12207	3444121.35	5489683.77	834.2344
9200	9202	Ramp Running Slope	6	2.17	0.16	0.073	0.5% to 8.3%				SPECIAL SHAPING	12208	3444111.355	5489684.07	833.8207
9202	9201	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%					12209	3444122.853	5489728.09	836.0665
9202	9207	Ramp Running Slope	6	5.00	0.34	0.067	0.5% to 8.3%					12210	3444112.859	5489728.43	835.9168
9201	9208	Ramp Running Slope	6	5.00	0.34	0.067	0.5% to 8.3%					12211	3444113.196	5489738.39	835.9756
9207	9208	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					12212	3444118.551	5489742.1	836.0756
9207	9204	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					12213	3444123.105	5489735.52	836.1003
9204	9203	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					12300	3444076.086	5489704.44	834.8376
9203	9208	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%					12301	3444071.785	5489707.54	834.919
9204	9205	Sidewalk Running Slope	4	15.00	0.69	0.046	0.5% to 5.0%	Yes				12302	3444074.631	5489703.43	834.844
9205	9206	Sidewalk Cross Slope	4	5.00	-0.07	-0.015	0.5% to 2.0%					12303	3444067.674	5489704.7	835.1879
9206	9203	Sidewalk Running Slope	4	15.00	-0.69	-0.046	0.5% to 5.0%	Yes				12304	3444070.52	5489700.59	835.1113
9300	9302	Ramp Running Slope	6	2.14	0.14	0.066	0.5% to 8.3%					12305	3444051.159	5489693.42	835.3866
9302	9301	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					12306	3444054.004	5489689.31	835.3114
9302	9304	Ramp Running Slope	6	4.90	0.31	0.063	0.5% to 8.3%					12307	3444066.391	5489697.77	835.1874
9301	9303	Ramp Running Slope	6	4.91	0.31	0.063	0.5% to 8.3%					12308	3444063.545	5489701.88	835.2629
9304	9303	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					13203	3444485.193	5489956.91	845.5062
9303	9307	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					13204	3444486.143	5489951.05	845.3304
9307	9308	Landing/Turning Space	6	5.00	0.09	0.017	0.1% to 2.0%	Yes				13205	3444496.633	5489958.64	844.47
9308	9304	Landing/Turning Space	6	5.00	-0.09	-0.017	0.1% to 2.0%	Yes				13206	3444503.907	5489953.02	844.2079
9303	9309	Ramp Running Slope	6	6.19	-0.33	-0.054	0.5% to 8.3%					13300	3444405.642	5489919.75	845.3328
9309	9310	Ramp Cross Slope	6	5.00	0.08	0.015	0.1% to 2.0%					13301	3444428.381	5489941.6	846.4331
9310	9311	Ramp Running Slope	6	3.55	-0.13	-0.038	0.5% to 8.3%				SPECIAL SHAPING	13302	3444431.853	5489934.71	846.4331
9310	9307	Ramp Running Slope	6	6.19	0.33	0.053	0.5% to 8.3%					13303	3444427.352	5489932.44	846.4702
9307	9306	Sidewalk Running Slope	4	10.06	0.3	0.03	0.5% to 5.0%					13304	3444401.571	5489926.69	845.4545
9308	9305	Sidewalk Running Slope	4	10.06	0.29	0.029	0.5% to 5.0%					13305	3444423.42	5489939.41	846.3518
9305	9306	Sidewalk Cross Slope	4	4.99	-0.07	-0.015	0.5% to 2.0%					14200	3444770.429	5490110.03	841.9266
9305	9312	Sidewalk Running Slope	4	4.96	-0.04	-0.008	0.5% to 5.0%					14201	3444768.673	5490118.34	842.0525
9312	9313	Sidewalk Cross Slope	4	5.00	-0.07	-0.015	0.5% to 2.0%					14202	3444772.857	5490111.52	841.9325
9313	9306	Sidewalk Running Slope	4	4.96	0.04	0.008	0.5% to 5.0%					14203	3444782.31	5490126.71	841.2926
9400	9401	Ramp Cross Slope	6	5.00	0.39	0.078	0.1% to 2.0%					14204	3444786.494	5490119.89	841.1726
9401	9403	Ramp Running Slope	6	10.69	0.22	0.02	0.5% to 8.3%					14205	3444793.813	5490134.81	841.2255
9400	9402	Ramp Running Slope	6	10.69	0.68	0.064	0.5% to 8.3%					14206	3444798.403	5490128.36	841.1096
9402	9405	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					14207	3444779.675	5490115.71	841.2926

SIDEWALK TABLES

SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb

Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
9402	9403	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%					14208	3444775.491	5490122.53	841.4126
9403	9404	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					14300	3444747.231	5490095.8	841.6087
9404	9405	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					14301	3444740.972	5490101.34	841.7647
9403	9412	Sidewalk Running Slope	4	15.00	-0.19	-0.013	0.5% to 5.0%					14302	3444745.122	5490094.5	841.6444
9412	9413	Sidewalk Cross Slope	4	5.00	0.08	0.015	0.5% to 2.0%					14303	3444727.335	5490092.97	841.5788
9413	9404	Sidewalk Running Slope	4	15.00	0.19	0.013	0.5% to 5.0%					14304	3444731.52	5490086.16	841.4588
9402	9408	Sidewalk Running Slope	4	36.89	1.01	0.027	0.5% to 5.0%					14305	3444714.551	5490085.13	841.2677
9405	9407	Sidewalk Running Slope	4	36.89	1.01	0.027	0.5% to 5.0%					14306	3444718.735	5490078.31	841.1477
9408	9409	Landing/Turning Space	6	4.01	0.07	0.018	0.1% to 2.0%	Yes				14307	3444738.338	5490090.34	841.5787
9408	9407	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%					14308	3444734.154	5490097.16	841.6987
9409	9406	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%					15300	3445313.902	5490428.49	830.7654
9406	9407	Landing/Turning Space	6	4.00	-0.07	-0.018	0.1% to 2.0%	Yes				15301	3445310.337	5490435.65	831.3814
9406	9410	Sidewalk Running Slope	4	4.00	0.01	0.002	0.5% to 5.0%					15302	3445306.74	5490424.92	831.8232
9407	9411	Sidewalk Running Slope	4	4.00	0.03	0.007	0.5% to 5.0%					15303	3445303.175	5490432.09	831.9432
9410	9411	Match Existing Cross Slope	4	4.00	-0.05	-0.013	Match Existing					15304	3445299.578	5490421.36	831.9432
												15305	3445296.013	5490428.52	832.0632
10200	10202	Ramp Running Slope	6	2.18	-0.02	-0.009	0.5% to 8.3%				SPECIAL SHAPING	15306	3445286.15	5490414.67	832.6416
10202	10201	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%					15307	3445282.585	5490421.84	832.7616
10202	10203	Ramp Running Slope	6	6.70	0.57	0.085	0.5% to 8.3%								
10201	10204	Ramp Running Slope	6	6.76	0.56	0.083	0.5% to 8.3%	Yes							
10203	10204	Landing/Turning Space	6	5.00	-0.08	-0.016	0.1% to 2.0%	Yes							
10204	10205	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%								
10205	10206	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%								
10206	10203	Landing/Turning Space	6	5.00	-0.07	-0.014	0.1% to 2.0%								
10203	10207	Sidewalk Running Slope	4	4.42	0.24	0.054	0.5% to 5.0%								
10207	10208	Match Existing Cross Slope	4	3.73	-0.08	-0.022	Match Existing								
10300	10302	Ramp Running Slope	6	2.18	-0.01	-0.005	0.5% to 8.3%				SPECIAL SHAPING				
10302	10301	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%								
10302	10307	Ramp Running Slope	6	4.99	0.32	0.065	0.5% to 8.3%								
10301	10308	Ramp Running Slope	6	4.99	0.32	0.065	0.5% to 8.3%								
10308	10303	Landing/Turning Space	6	5.01	-0.07	-0.015	0.1% to 2.0%								
10303	10304	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%								
10304	10307	Landing/Turning Space	6	4.99	0.07	0.015	0.1% to 2.0%								
10307	10308	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%								
10304	10305	Sidewalk Running Slope	4	15.00	-0.43	-0.029	0.5% to 5.0%								
10303	10306	Sidewalk Running Slope	4	15.00	-0.43	-0.029	0.5% to 5.0%								
10305	10306	Sidewalk Cross Slope	4	5.00	-0.08	-0.015	0.5% to 2.0%								
11100	11102	Ramp Running Slope	6	3.02	0.17	0.056	0.5% to 8.3%				SPECIAL SHAPING				
11102	11101	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%								
11101	11103	Ramp Running Slope	6	10.00	0.29	0.029	0.5% to 8.3%								
11102	11104	Ramp Running Slope	6	10.00	0.29	0.029	0.5% to 8.3%								
11103	11104	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%								
11104	11105	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%								
11105	11106	Landing/Turning Space	6	5.00	-0.07	-0.015	0.1% to 2.0%								
11106	11103	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%								
11200	11202	Ramp Running Slope	6	1.80	-0.05	-0.028	0.5% to 8.3%				SPECIAL SHAPING				
11202	11201	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%								
11201	11203	Ramp Running Slope	6	8.47	0.49	0.058	0.5% to 8.3%								
11202	11204	Ramp Running Slope	6	8.48	0.49	0.058	0.5% to 8.3%								
11203	11204	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%								
11204	11205	Landing/Turning Space	6	5.02	0.08	0.015	0.1% to 2.0%								
11205	11206	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%								
11206	11203	Landing/Turning Space	6	4.98	-0.07	-0.015	0.1% to 2.0%								
11211	11213	Ramp Running Slope	6	2.62	0.2	0.077	0.5% to 8.3%	Yes			SPECIAL SHAPING				
11213	11212	Ramp Cross Slope	6	5.00	-0.08	-0.015	0.1% to 2.0%								
11212	11203	Ramp Running Slope	6	9.72	0.81	0.083	0.5% to 8.3%	Yes							
11213	11206	Ramp Running Slope	6	9.69	0.8	0.083	0.5% to 8.3%	Yes							
11204	11207	Sidewalk Running Slope	4	4.16	0.14	0.033	0.5% to 5.0%								

SIDEWALK TABLES

SIDEWALK COMPLIANCE

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Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
11207	11208	Match Existing Cross Slope	4	3.82	0.06	0.015	Match Existing								
11208	11205	Sidewalk Running Slope	4	4.00	-0.12	-0.03	0.5% to 5.0%								
11205	11209	Sidewalk Running Slope	4	15.00	0	0	0.5% to 5.0%								
11209	11210	Sidewalk Cross Slope	4	5.00	-0.07	-0.015	0.5% to 2.0%								
11210	11206	Sidewalk Running Slope	4	15.00	0	0	0.5% to 5.0%								
11300	11302	Ramp Running Slope	6	1.76	0.03	0.017	0.5% to 8.3%				SPECIAL SHAPING				
11302	11301	Ramp Cross Slope	6	5.00	-0.07	-0.015	0.1% to 2.0%								
11302	11303	Ramp Running Slope	6	6.76	0.72	0.107	0.5% to 8.3%								
11301	11304	Ramp Running Slope	6	6.83	0.73	0.107	0.5% to 8.3%								
11303	11304	Landing/Turning Space	6	5.05	-0.07	-0.014	0.1% to 2.0%								
11304	11305	Landing/Turning Space	6	4.98	0.07	0.015	0.1% to 2.0%								
11305	11306	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%								
11306	11303	Landing/Turning Space	6	5.00	-0.08	-0.016	0.1% to 2.0%	Yes							
11303	11310	Sidewalk Running Slope	4	4.11	0.09	0.023	0.5% to 5.0%								
11310	11309	Match Existing Cross Slope	4	3.89	0.12	0.031	Match Existing								
11309	11306	Sidewalk Running Slope	4	4.00	-0.13	-0.033	0.5% to 5.0%								
11306	11307	Sidewalk Running Slope	4	15.00	0.02	0.001	0.5% to 5.0%								
11307	11308	Sidewalk Cross Slope	4	5.00	-0.08	-0.015	0.5% to 2.0%								
11308	11305	Sidewalk Running Slope	4	15.00	-0.01	-0.001	0.5% to 5.0%								
12210	11211	Landing/Turning Space	6	509.22	2.6	0.005	0.1% to 2.0%								
12211	12212	Landing/Turning Space	6	6.51	0.1	0.015	0.1% to 2.0%								
12212	12213	Landing/Turning Space	6	8.00	0.02	0.003	0.1% to 2.0%								
12213	12209	Landing/Turning Space	6	7.44	-0.03	-0.005	0.1% to 2.0%								
12209	12210	Landing/Turning Space	6	10.00	-0.15	-0.015	0.1% to 2.0%								
11209	12202	Ramp Running Slope	6	496.16	-3.82	-0.008	0.5% to 8.3%								
12202	12201	Ramp Cross Slope	6	10.00	-0.15	-0.015	0.1% to 2.0%								
12201	12210	Ramp Running Slope	6	10.00	0.29	0.029	0.5% to 8.3%								
12202	12207	Sidewalk Running Slope	4	34.35	-1.54	-0.045	0.5% to 5.0%	Yes							
12207	12208	Match Existing Cross Slope	4	10.00	-0.41	-0.041	Match Existing								
12208	12201	Sidewalk Running Slope	4	34.38	1.8	0.052	0.5% to 5.0%								
12213	12204	Ramp Running Slope	6	8.00	0.25	0.031	0.5% to 8.3%								
12204	12203	Ramp Cross Slope	6	8.00	0.12	0.015	0.1% to 2.0%								
12203	12212	Ramp Running Slope	6	8.00	-0.4	-0.05	0.5% to 8.3%								
12204	12206	Sidewalk Running Slope	4	15.00	0.75	0.05	0.5% to 5.0%	Yes							
12206	12205	Sidewalk Cross Slope	4	8.00	0.12	0.014	0.5% to 2.0%								
12205	12203	Sidewalk Running Slope	4	15.00	-0.74	-0.05	0.5% to 5.0%	Yes							
12300	12302	Ramp Running Slope	6	1.77	0.01	0.004	0.5% to 8.3%				SPECIAL SHAPING				
12302	12301	Ramp Cross Slope	6	5.00	0.07	0.015	0.1% to 2.0%								
12302	12304	Ramp Running Slope	6	5.00	0.27	0.053	0.5% to 8.3%								
12301	12303	Ramp Running Slope	6	5.00	0.27	0.054	0.5% to 8.3%								
12304	12303	Landing/Turning Space	6	5.00	0.08	0.015	0.1% to 2.0%								
12303	12308	Landing/Turning Space	6	5.00	0.07	0.015	0.1% to 2.0%								
12308	12307	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%								
12307	12304	Landing/Turning Space	6	5.00	-0.08	-0.015	0.1% to 2.0%								
12307	12306	Sidewalk Running Slope	4	15.00	0.12	0.008	0.5% to 5.0%								
12306	12305	Sidewalk Cross Slope	4	5.00	0.08	0.015	0.5% to 2.0%								
12305	12308	Sidewalk Running Slope	4	15.00	-0.12	-0.008	0.5% to 5.0%								
13302	13301	Match Existing Cross Slope	4	7.72	0	0	Match Existing								
13301	13305	Sidewalk Running Slope	4	5.42	-0.08	-0.015	0.5% to 5.0%								
13305	13303	Sidewalk Cross Slope	4	8.00	0.12	0.015	0.5% to 2.0%								
13303	13302	Sidewalk Running Slope	4	5.04	-0.04	-0.007	0.5% to 5.0%								
13203	13204	Match Existing Cross Slope	4	5.94	-0.18	-0.03	Match Existing								
13204	13206	Sidewalk Running Slope	4	17.87	-1.12	-0.063	0.5% to 5.0%								
13206	13205	Sidewalk Cross Slope	4	9.19	0.26	0.029	0.5% to 2.0%								
13205	13203	Sidewalk Running Slope	4	11.57	1.04	0.09	0.5% to 5.0%								
14300	14302	Ramp Running Slope	6	2.47	0.04	0.014	0.5% to 8.3%				SPECIAL SHAPING				

SIDEWALK TABLES

SIDEWALK COMPLIANCE

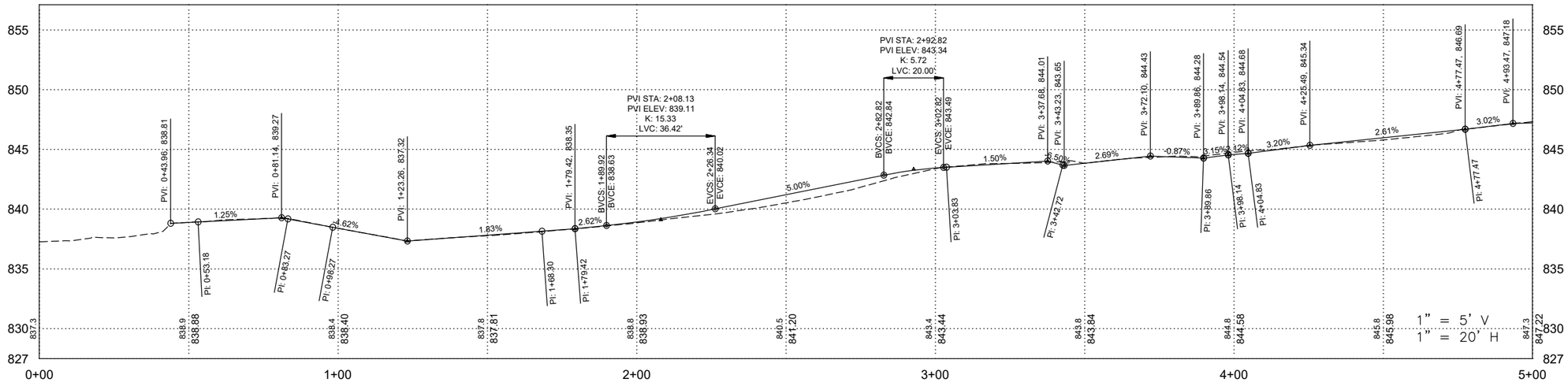
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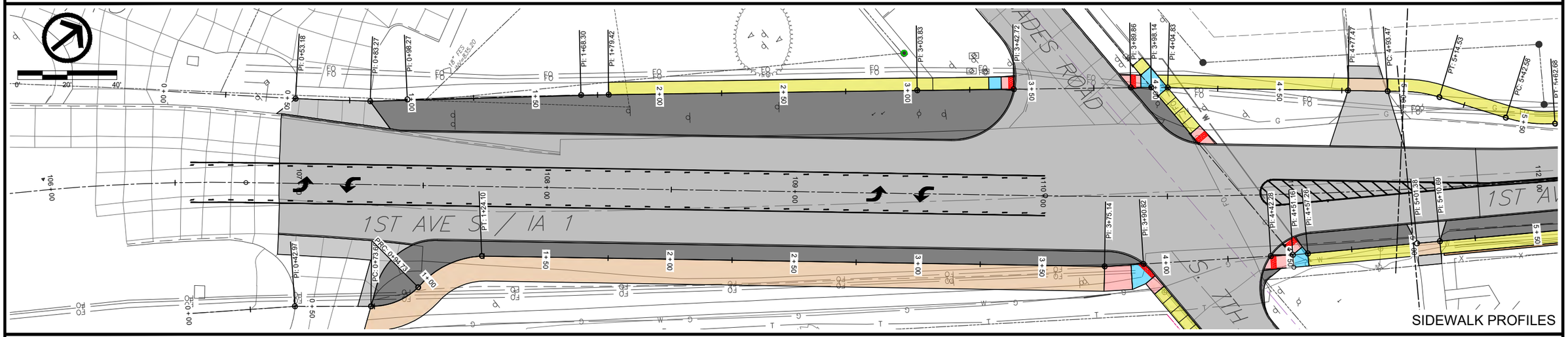
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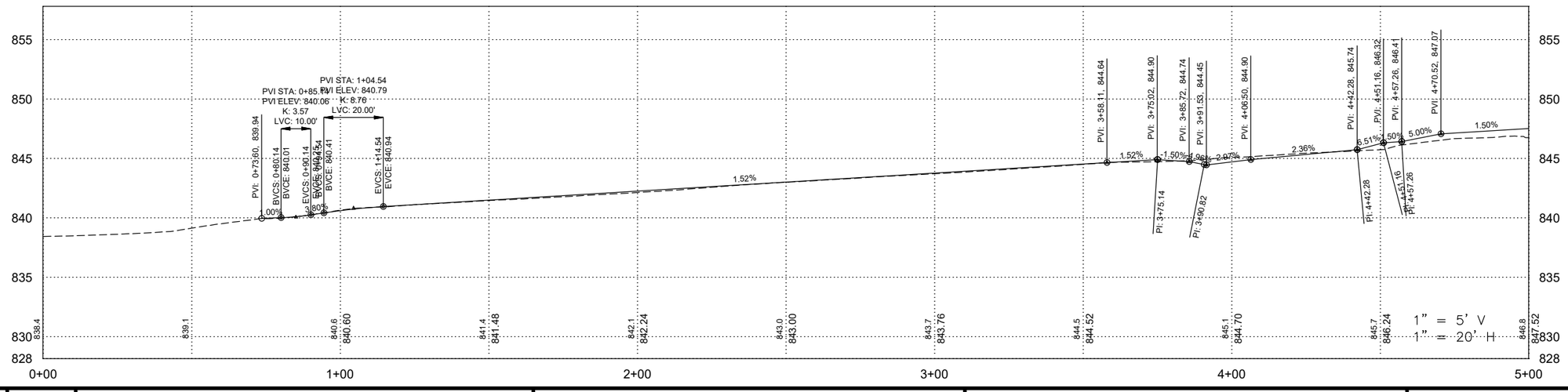
Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.

Refer to tabulation 113-01 for bid quantities.

Point to Point		Sidewalk Designation	_" PCC Sidewalk	Distance*	Δ Elevation	Slope	Acceptable Constructed Range	Staking Required on this Quadrant?	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
												Point	Northing	Easting	Elevation
				FT	FT	%	Pos. or Neg.		%						
14302	14301	Ramp Cross Slope	6	8.00	0.12	0.015	0.1% to 2.0%								
14302	14307	Ramp Running Slope	6	7.96	-0.07	-0.008	0.5% to 8.3%								
14301	14308	Ramp Running Slope	6	8.00	-0.07	-0.008	0.5% to 8.3%								
14307	14308	Landing/Turning Space	6	8.00	0.12	0.015	0.1% to 2.0%								
14308	14303	Landing/Turning Space	6	8.00	-0.12	-0.015	0.1% to 2.0%								
14303	14304	Landing/Turning Space	6	8.00	-0.12	-0.015	0.1% to 2.0%								
14304	14307	Landing/Turning Space	6	8.00	0.12	0.015	0.1% to 2.0%								
14304	14306	Sidewalk Running Slope	4	15.00	-0.31	-0.021	0.5% to 5.0%								
14306	14305	Sidewalk Cross Slope	4	8.00	0.12	0.015	0.5% to 2.0%								
14305	14303	Sidewalk Running Slope	4	15.00	0.31	0.021	0.5% to 5.0%								
14200	14202	Ramp Running Slope	6	2.85	0.01	0.002	0.5% to 8.3%				SPECIAL SHAPING				
14202	14201	Ramp Cross Slope	6	8.00	0.12	0.015	0.1% to 2.0%								
14202	14207	Ramp Running Slope	6	8.00	-0.64	-0.08	0.5% to 8.3%	Yes							
14201	14208	Ramp Running Slope	6	8.00	-0.64	-0.08	0.5% to 8.3%	Yes							
14207	14208	Landing/Turning Space	6	8.00	0.12	0.015	0.1% to 2.0%								
14208	14203	Landing/Turning Space	6	8.00	-0.12	-0.015	0.1% to 2.0%								
14203	14204	Landing/Turning Space	6	8.00	-0.12	-0.015	0.1% to 2.0%								
14204	14207	Landing/Turning Space	6	8.00	0.12	0.015	0.1% to 2.0%								
15300	15301	Match Existing Cross Slope	4	8.00	0.62	0.077	Match Existing								
15300	15302	Ramp Running Slope	6	8.00	1.06	0.132	0.5% to 8.3%								
15301	15303	Ramp Running Slope	6	8.00	0.56	0.07	0.5% to 8.3%								
15302	15303	Landing/Turning Space	6	8.00	0.12	0.015	0.1% to 2.0%								
15303	15305	Landing/Turning Space	6	8.00	0.12	0.015	0.1% to 2.0%								
15305	15304	Landing/Turning Space	6	8.00	-0.12	-0.015	0.1% to 2.0%								
15304	15302	Landing/Turning Space	6	8.00	-0.12	-0.015	0.1% to 2.0%								
15304	15306	Sidewalk Running Slope	4	15.00	0.7	0.047	0.5% to 5.0%	Yes							
15306	15307	Sidewalk Cross Slope	4	8.00	0.12	0.015	0.5% to 2.0%								
15307	15305	Sidewalk Running Slope	4	15.00	-0.7	-0.047	0.5% to 5.0%	Yes							



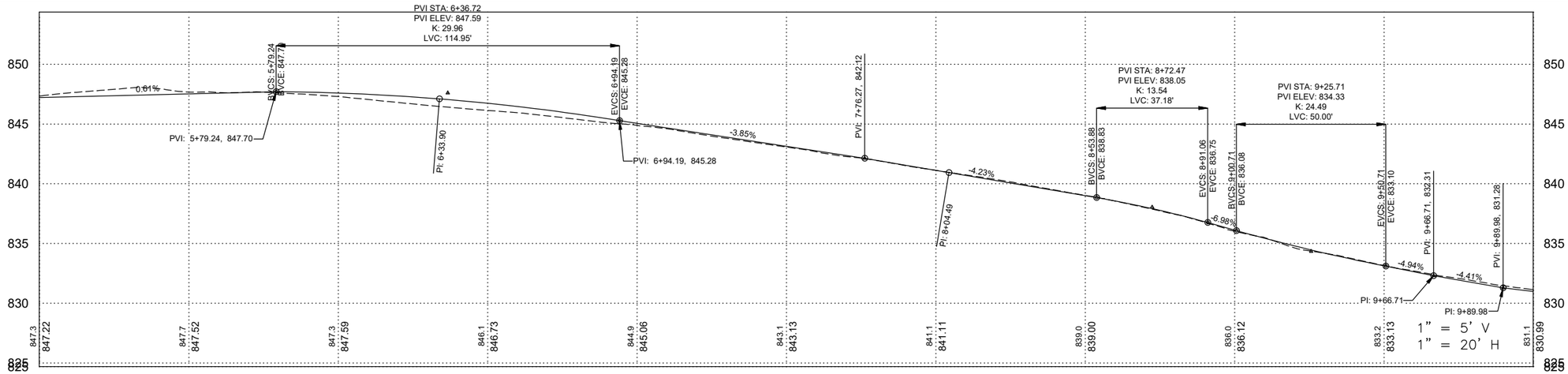


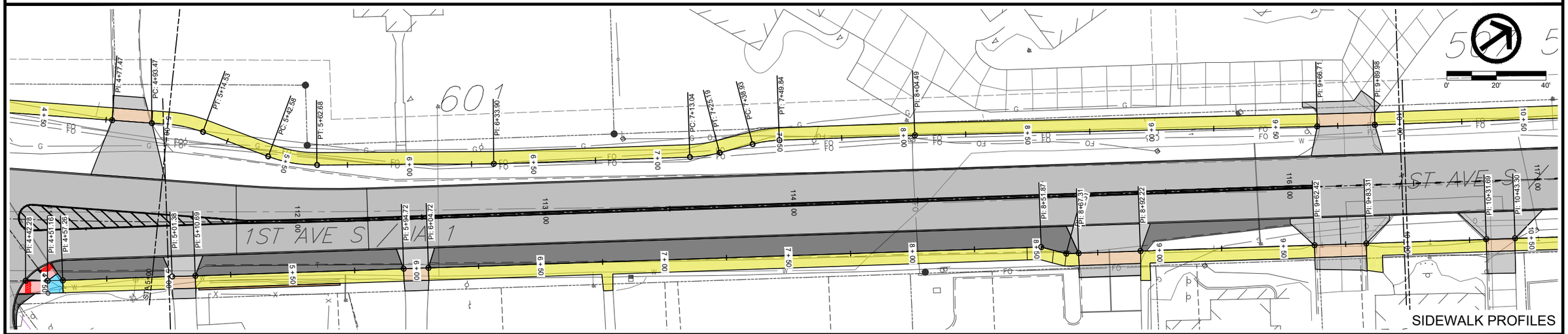


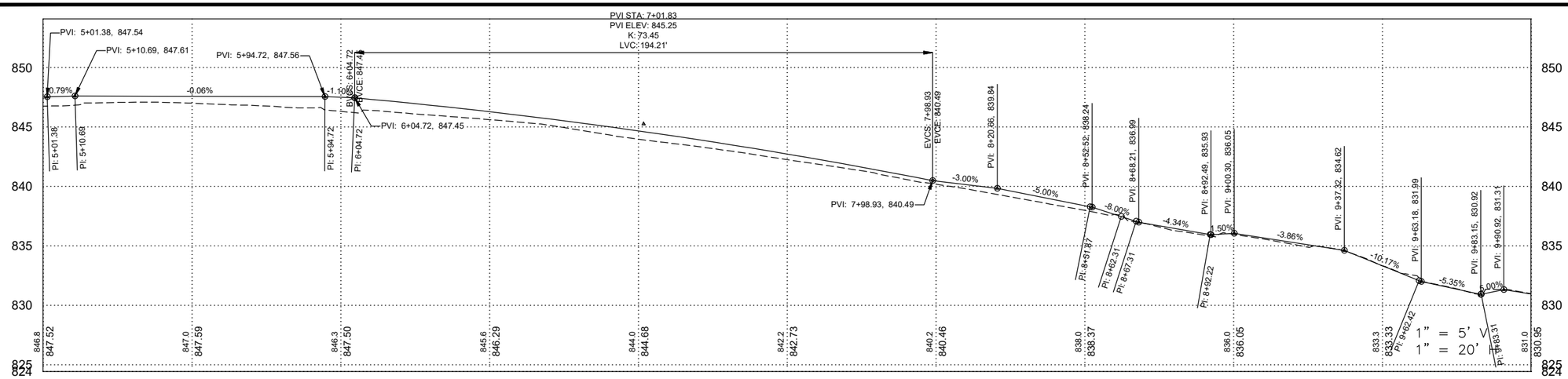
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PLOTTED: Friday, October 16, 2026 10:57:07 AM

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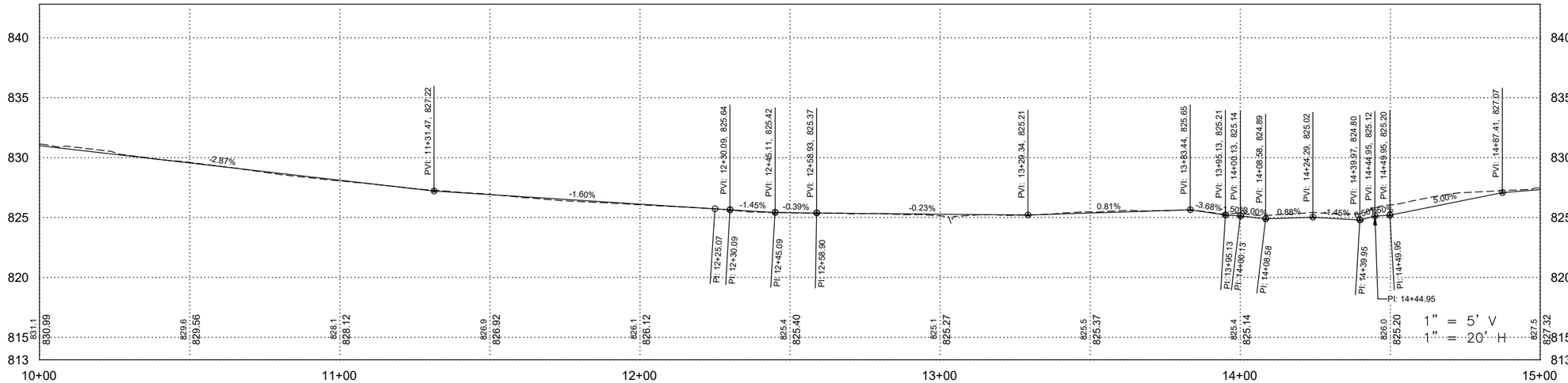


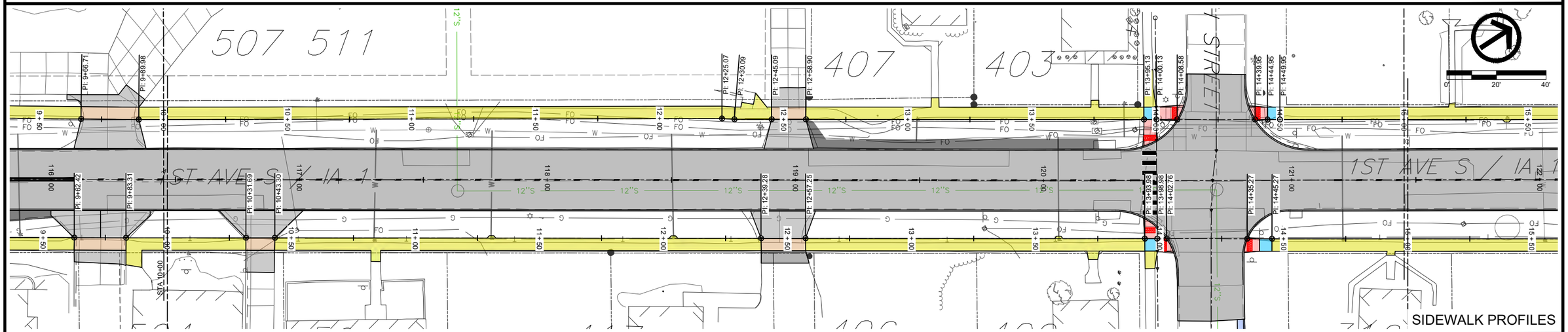
SIDEWALK PROFILES

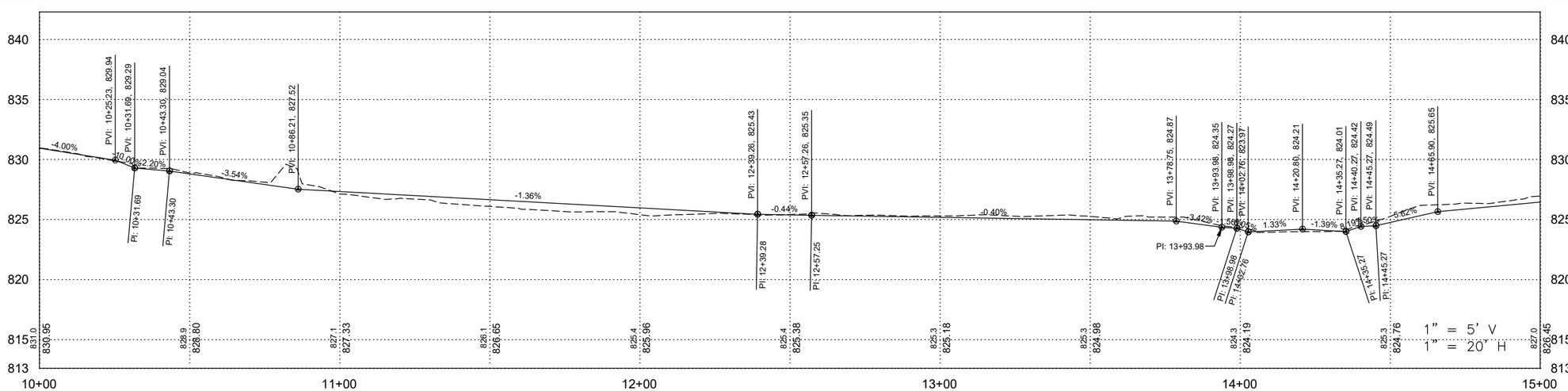
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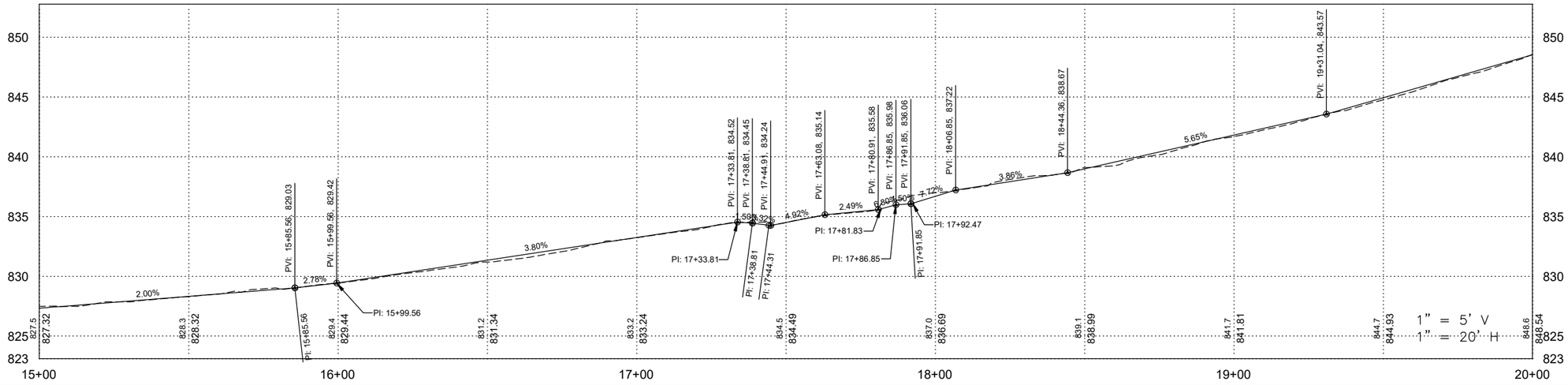


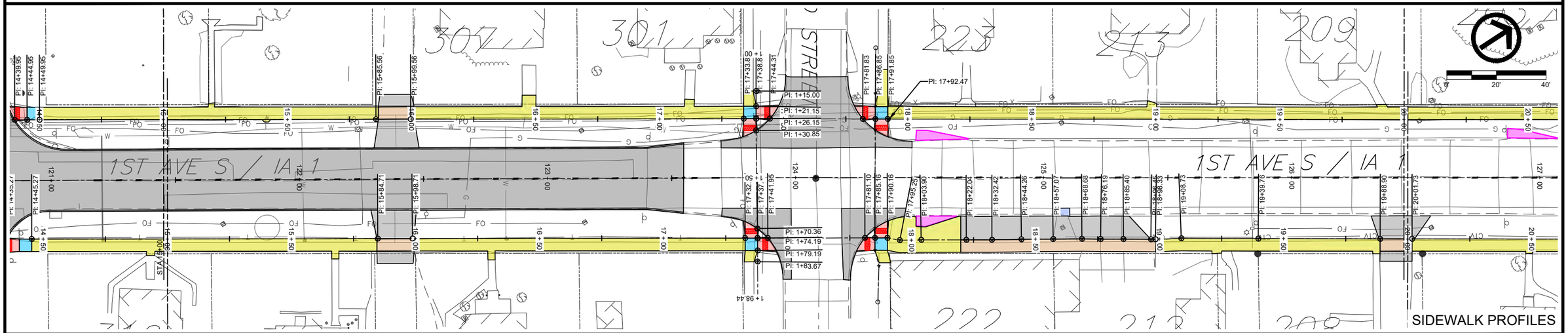




FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.29

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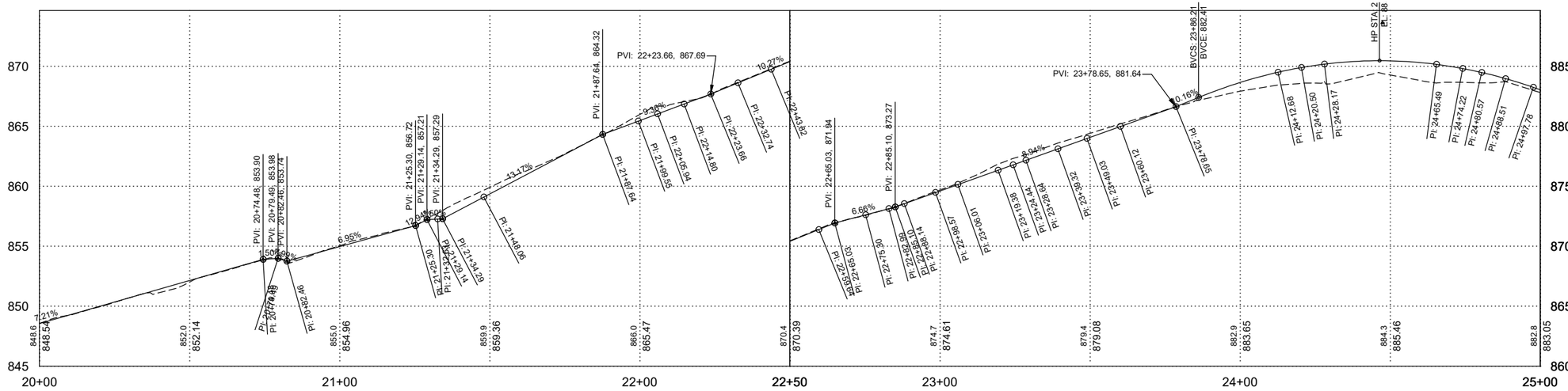


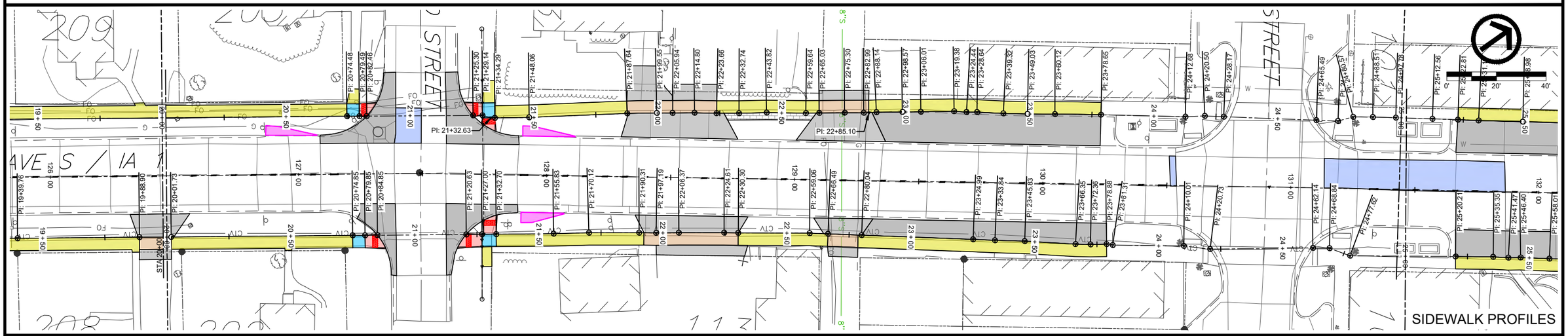


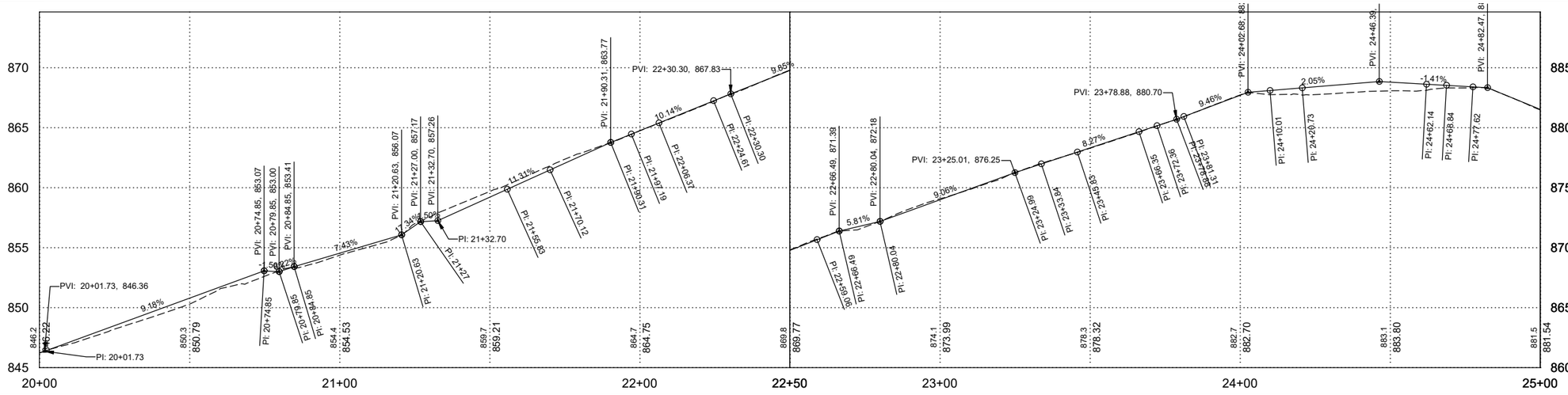
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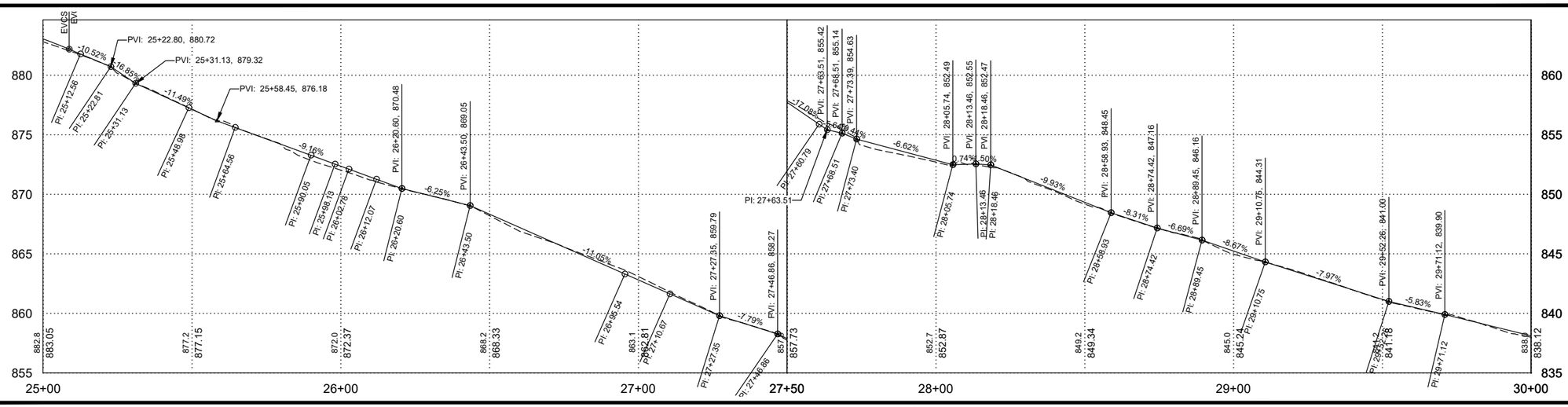


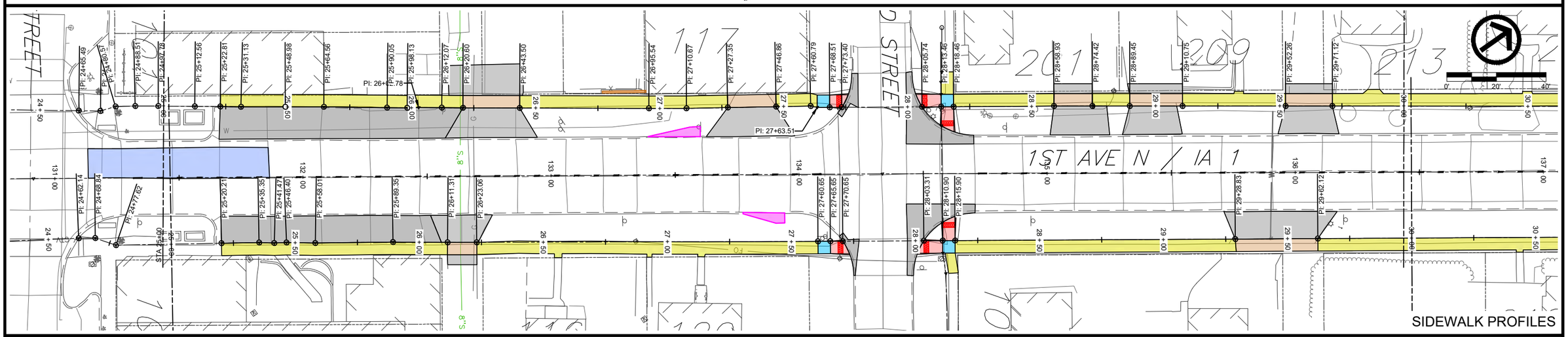


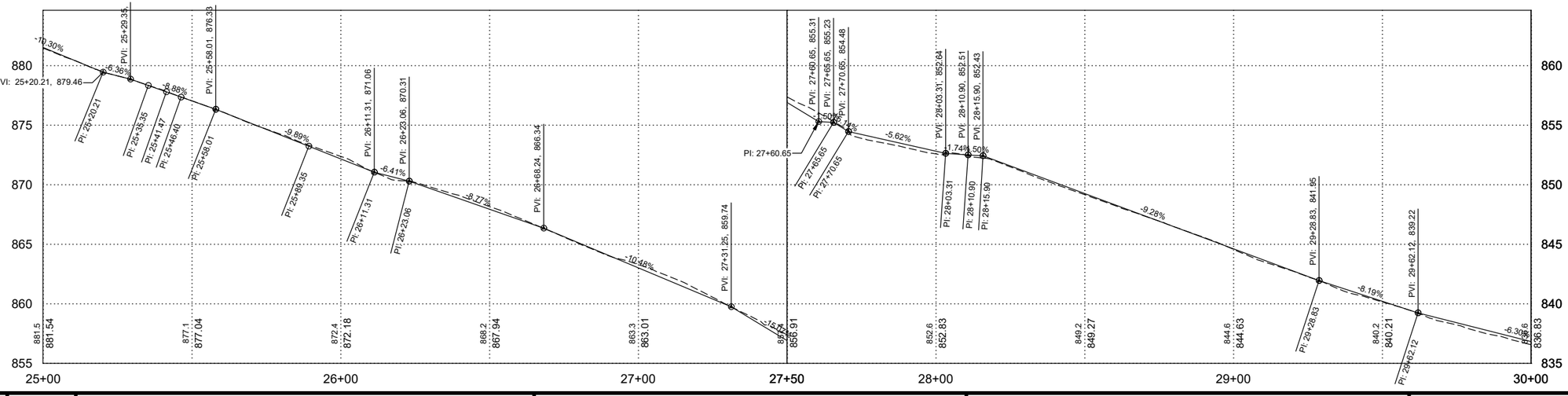
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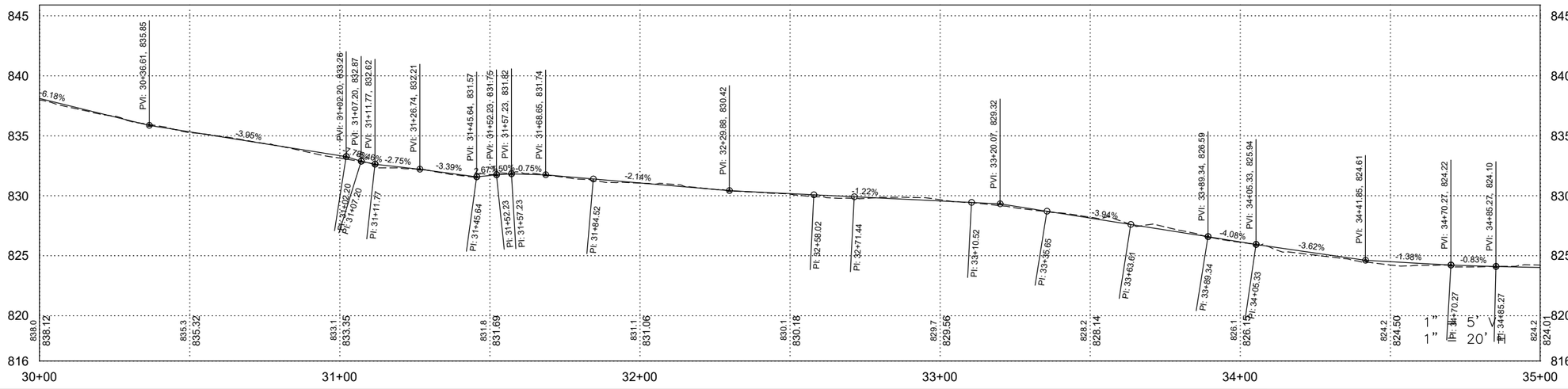


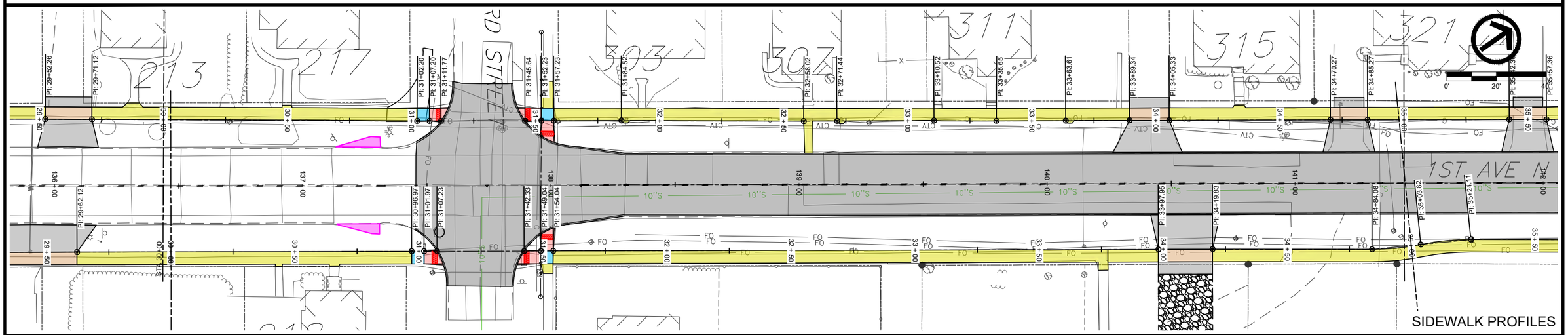


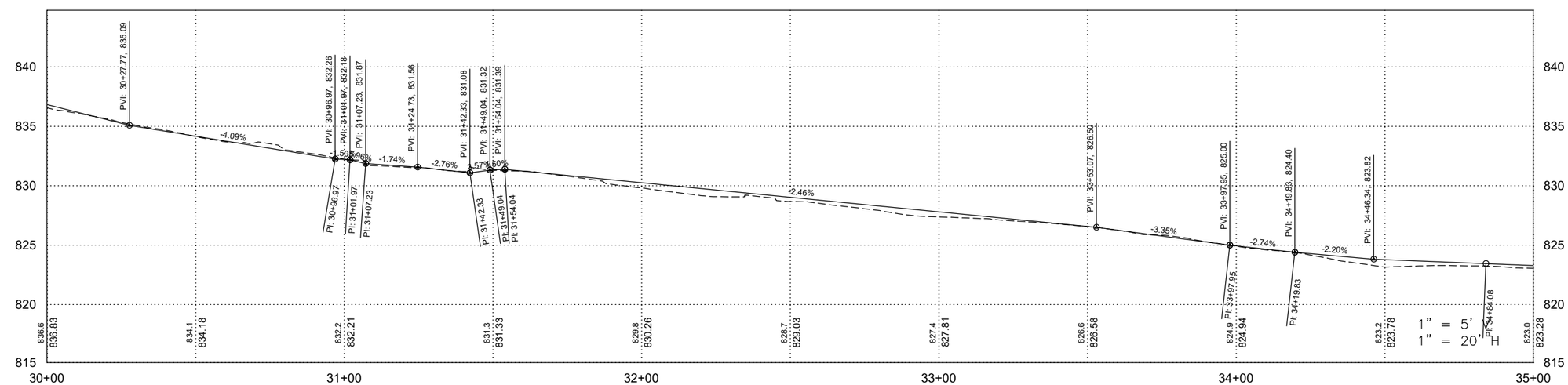
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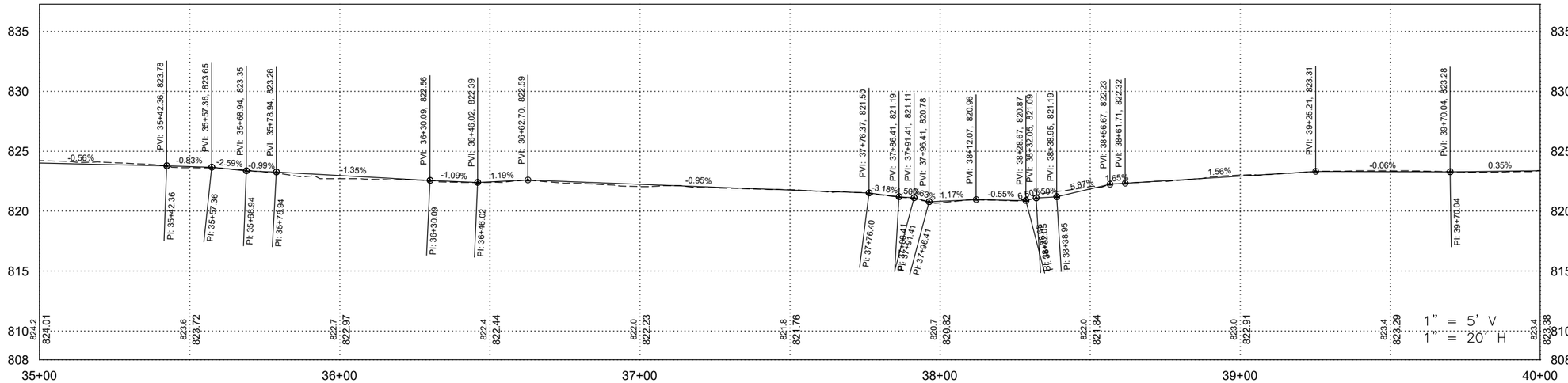


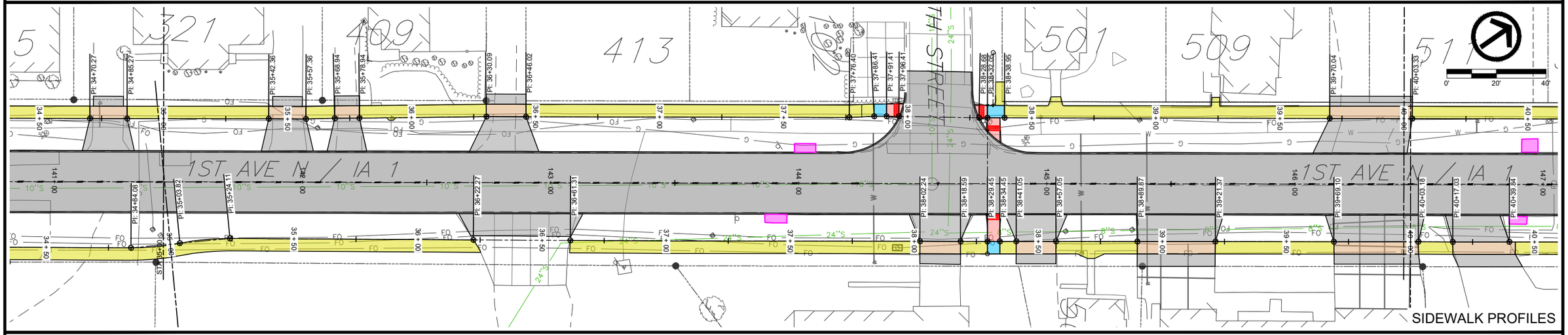


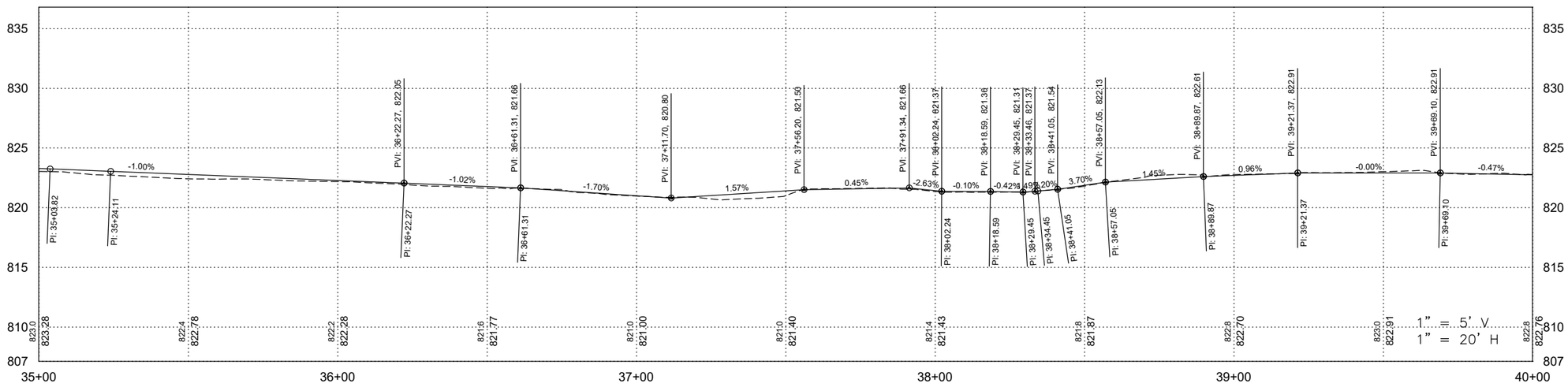
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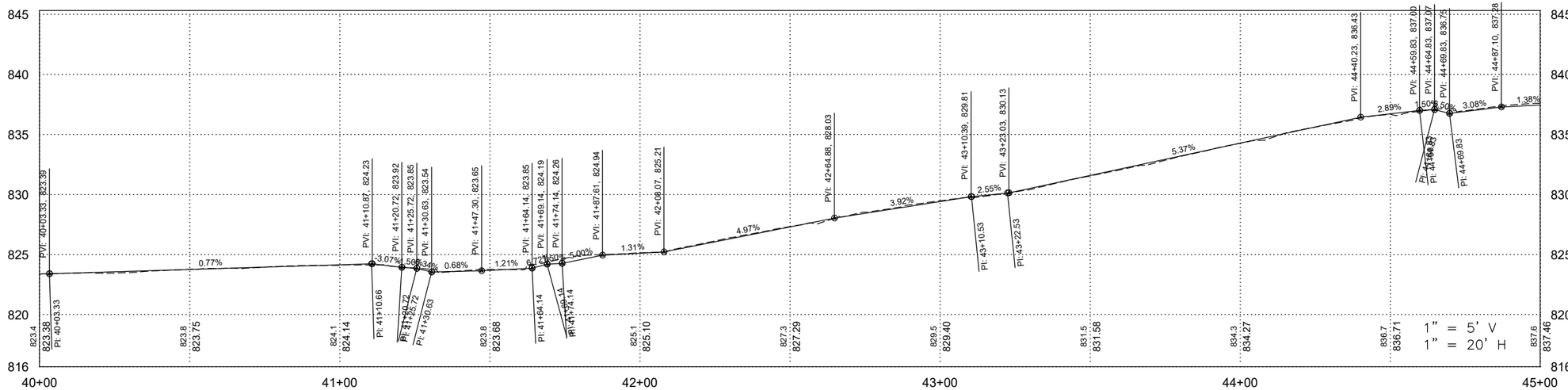


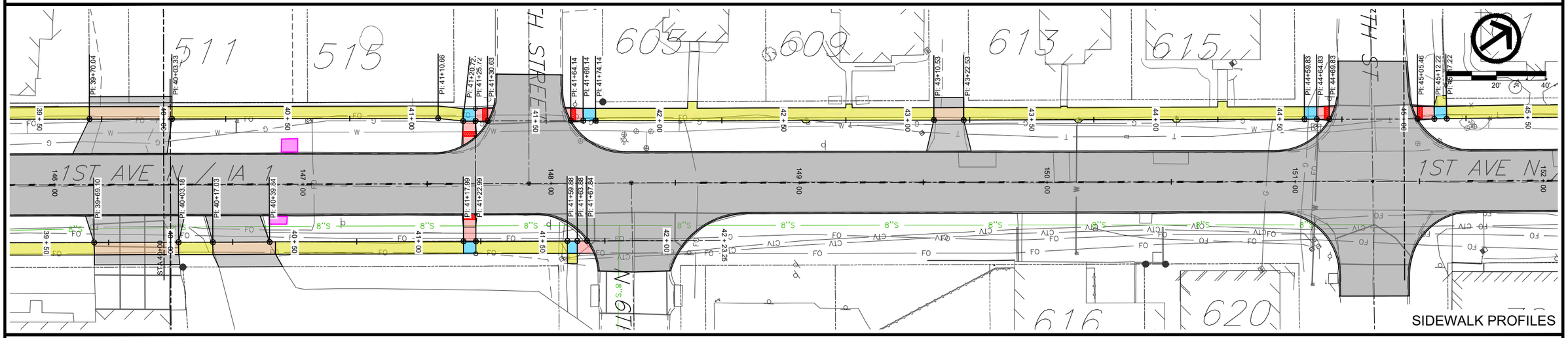


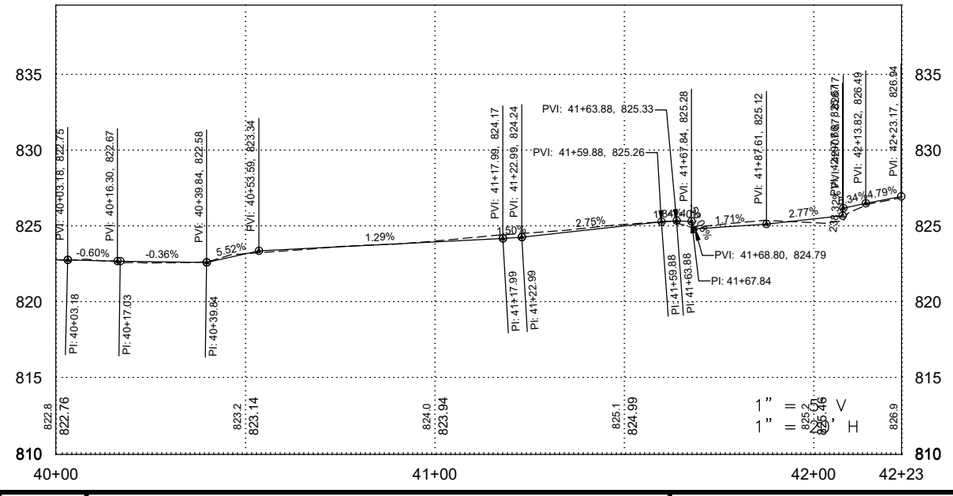
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.34

PLOTTED: Friday, October 16, 2026 10:58:20 AM

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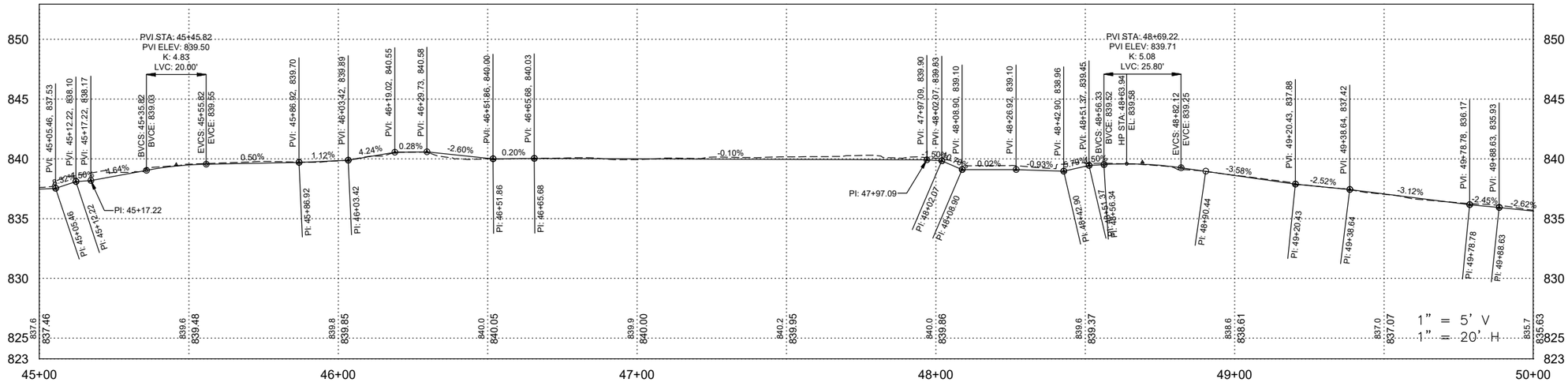


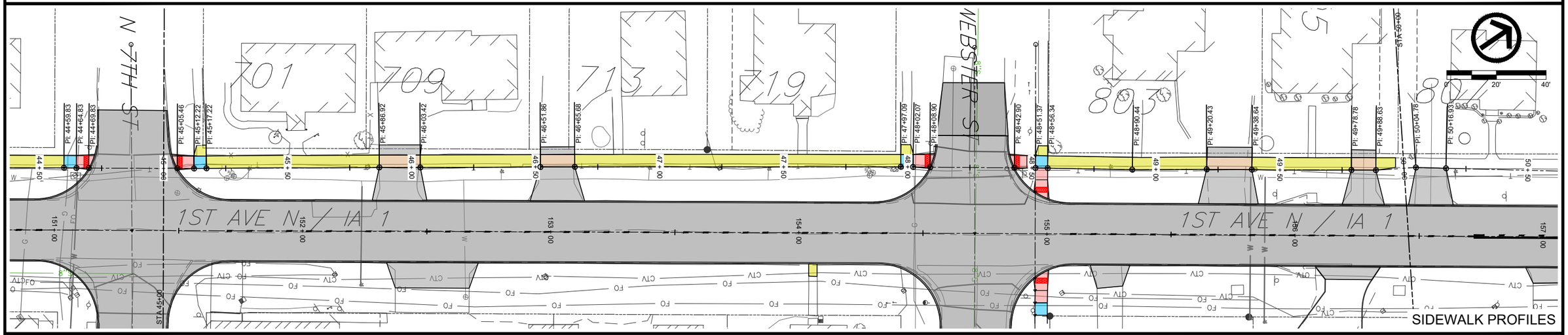


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.35	

PLOTTED: Friday, October 16, 2026 10:58:30 AM

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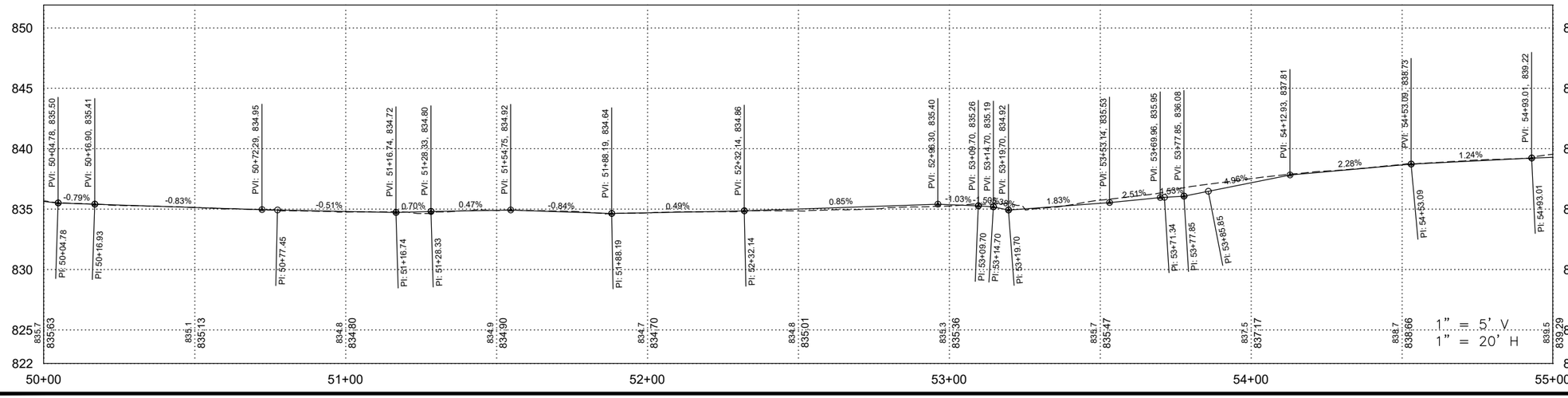


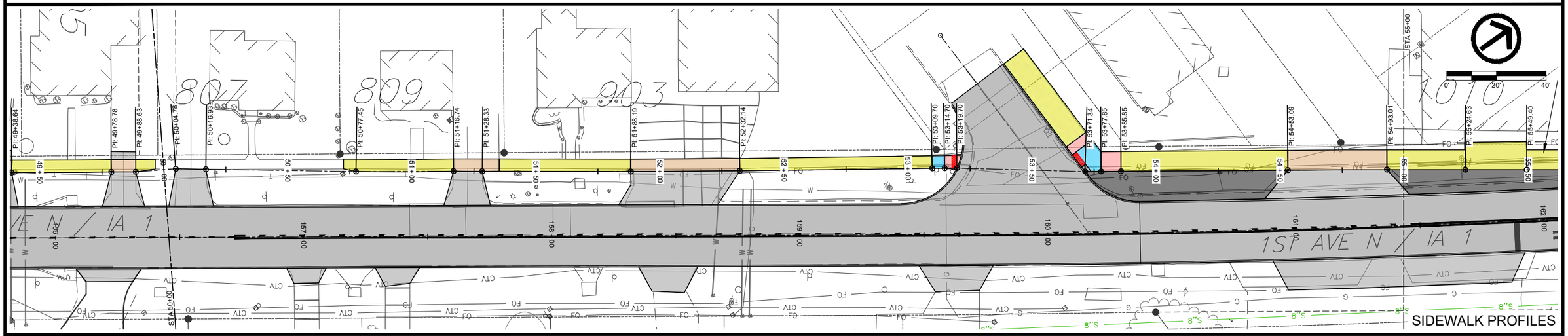


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.36

PLOTTED: Friday, October 16, 2026 10:58:42 AM

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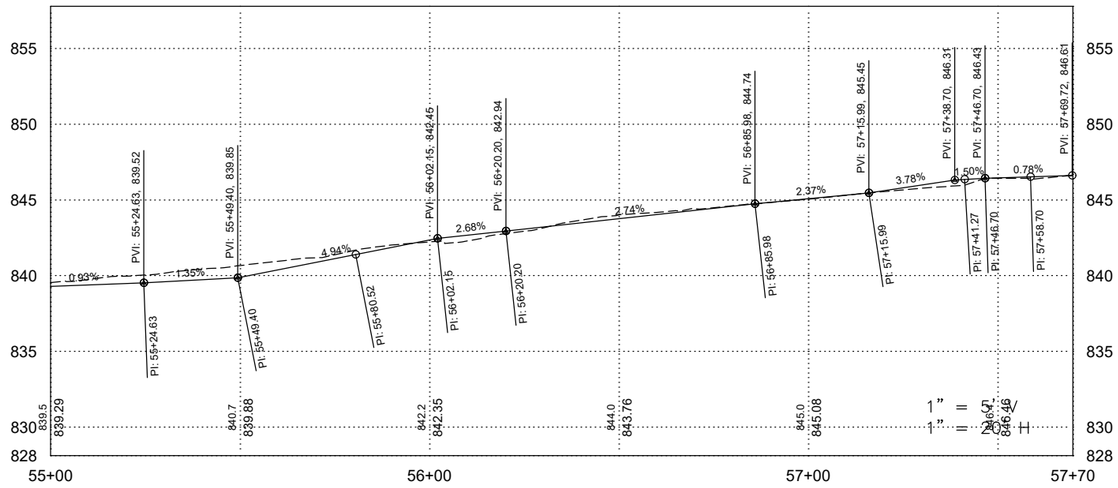


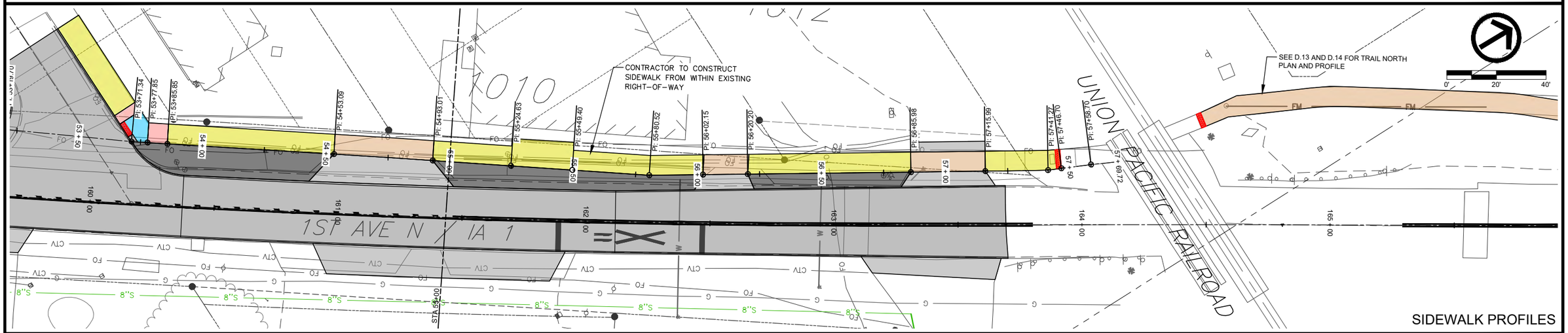


FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.37	

PLOTTED: Friday, October 16, 2026 10:58:53 AM

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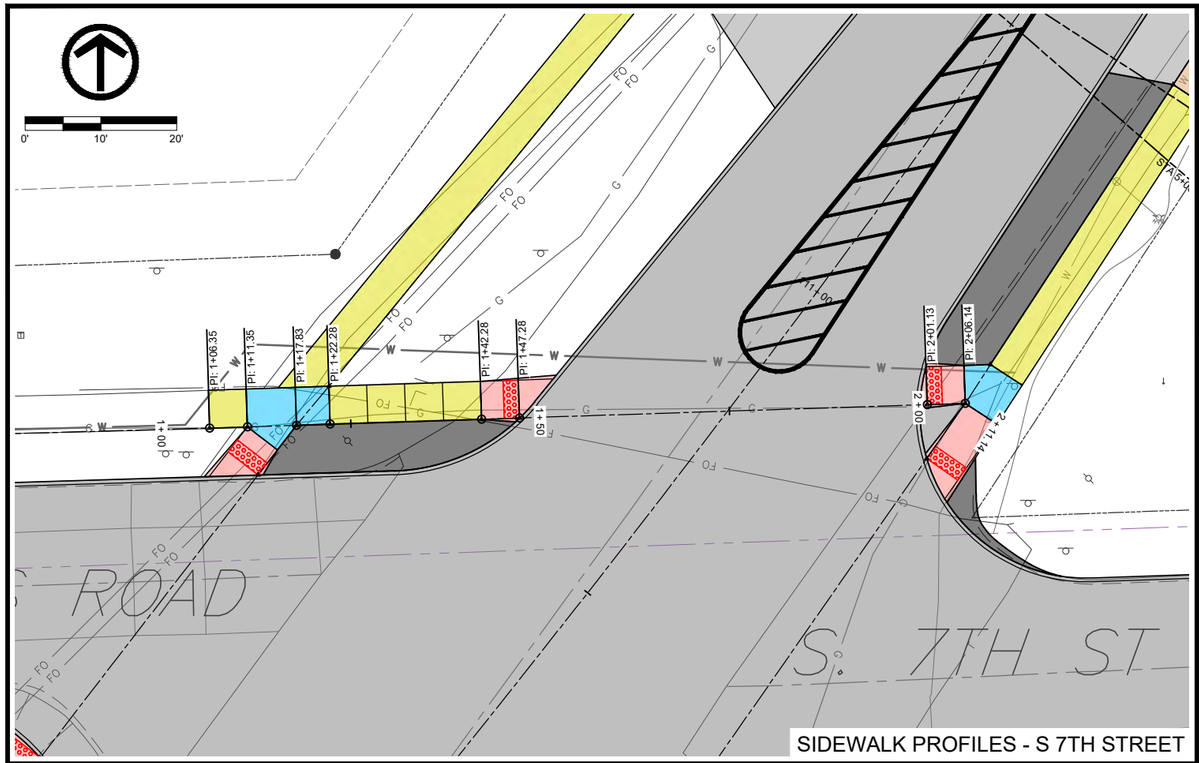


SIDEWALK PROFILES

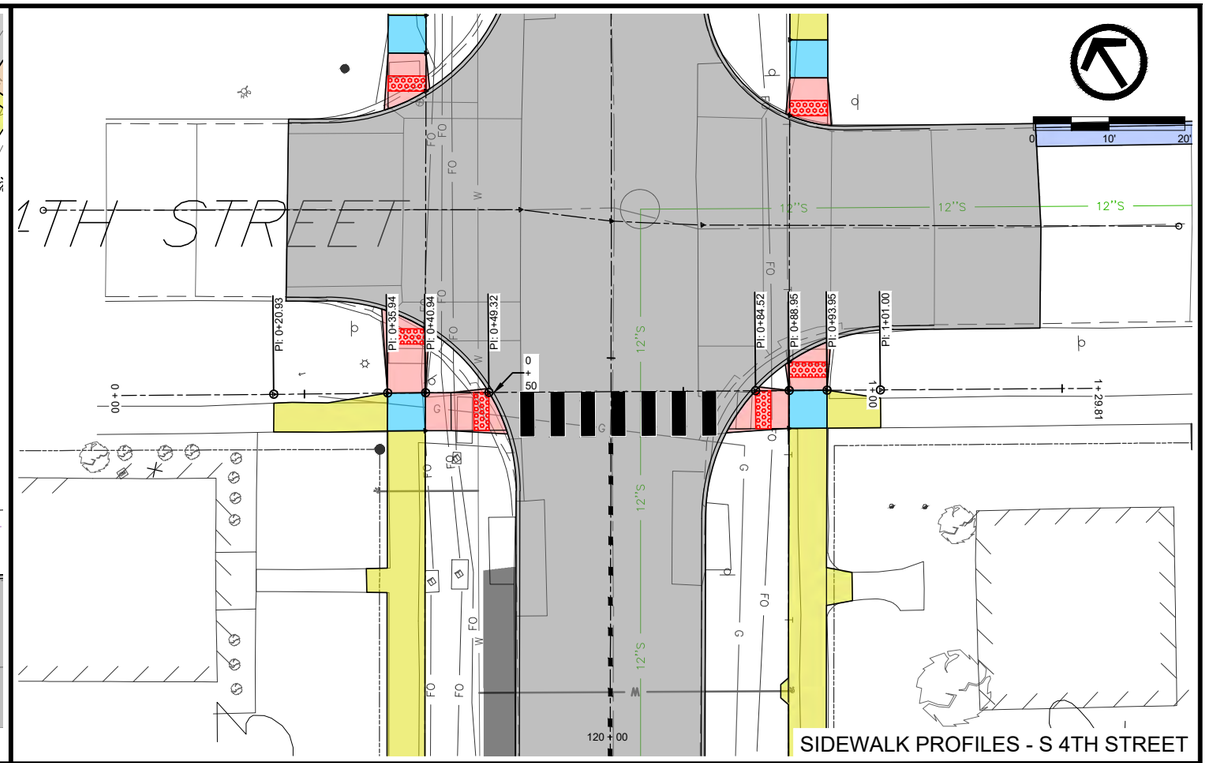
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PLOTTED: Friday, October 16, 2026 10:59:03 AM

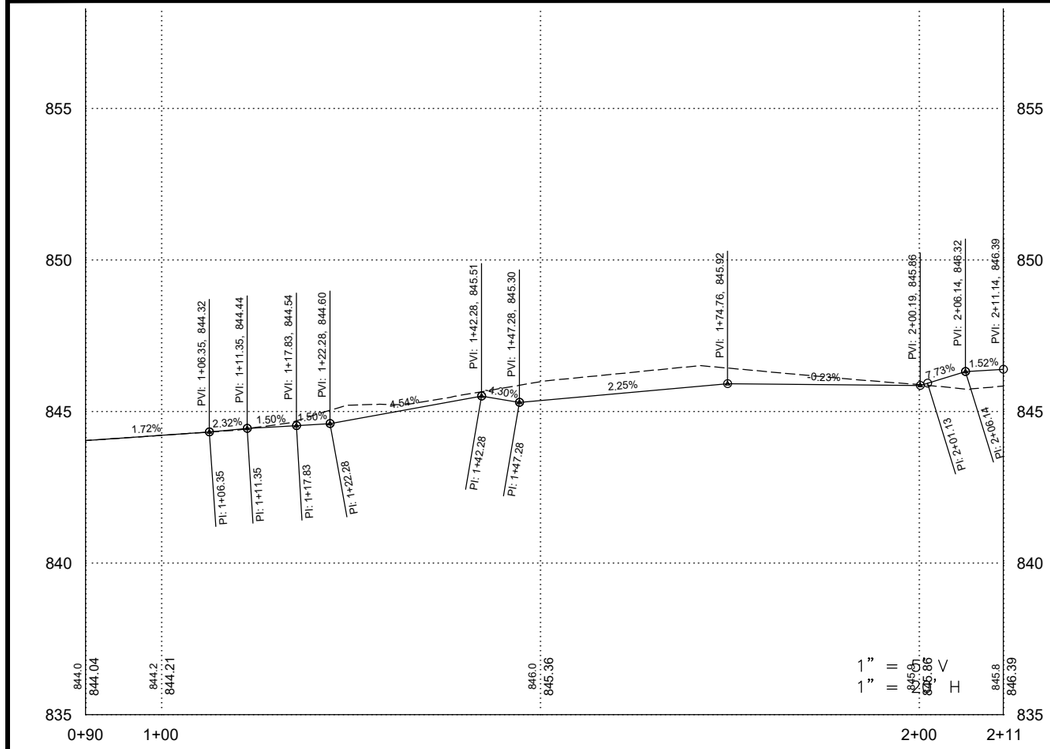
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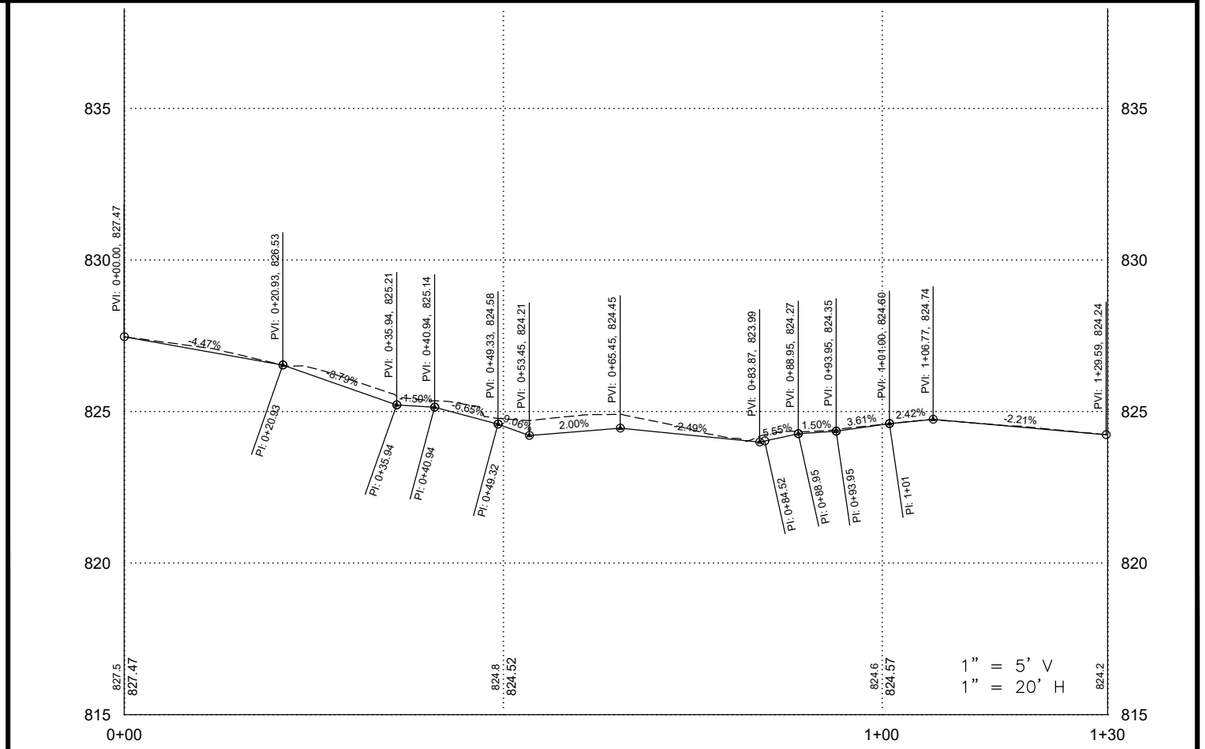


SIDEWALK PROFILES - S 7TH STREET



SIDEWALK PROFILES - S 4TH STREET





FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.39

PLOTTED: Friday, October 16, 2026 10:59:22 AM

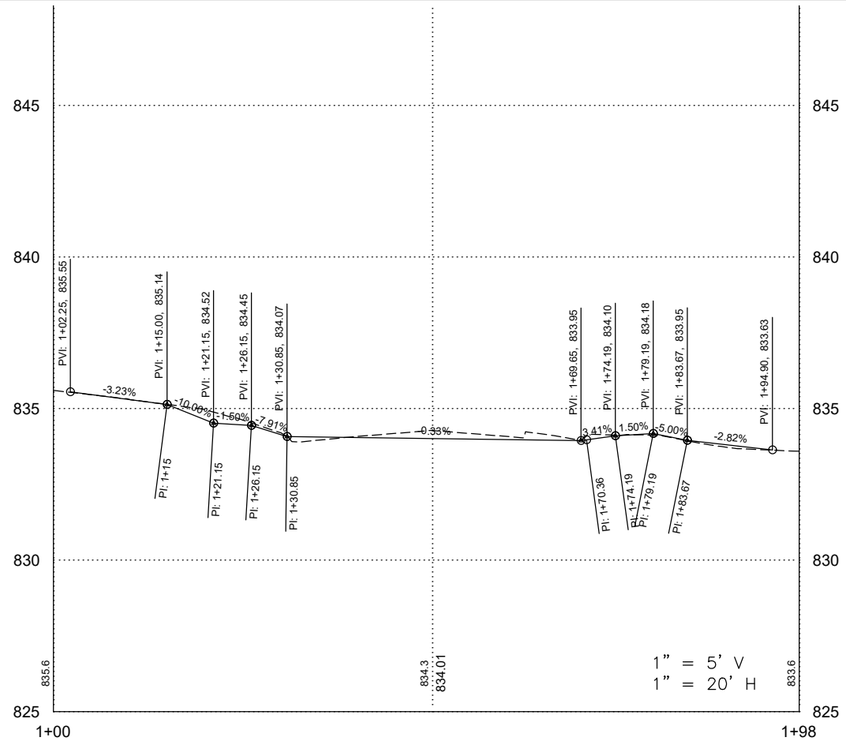
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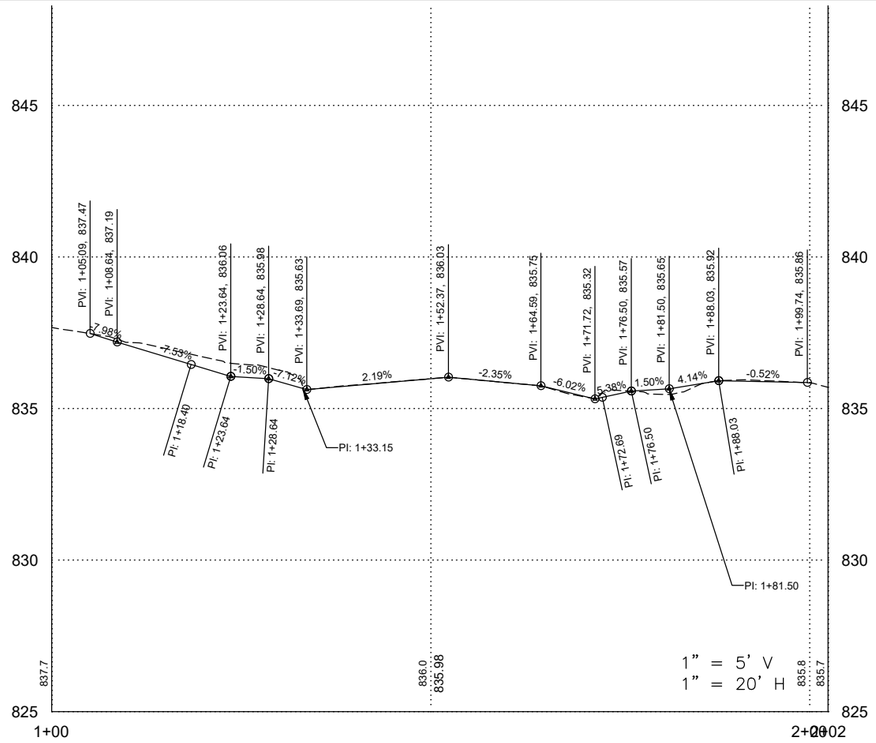


SIDEWALK PROFILES - S 3RD ST (SOUTH)



SIDEWALK PROFILES - S 3RD ST (NORTH)

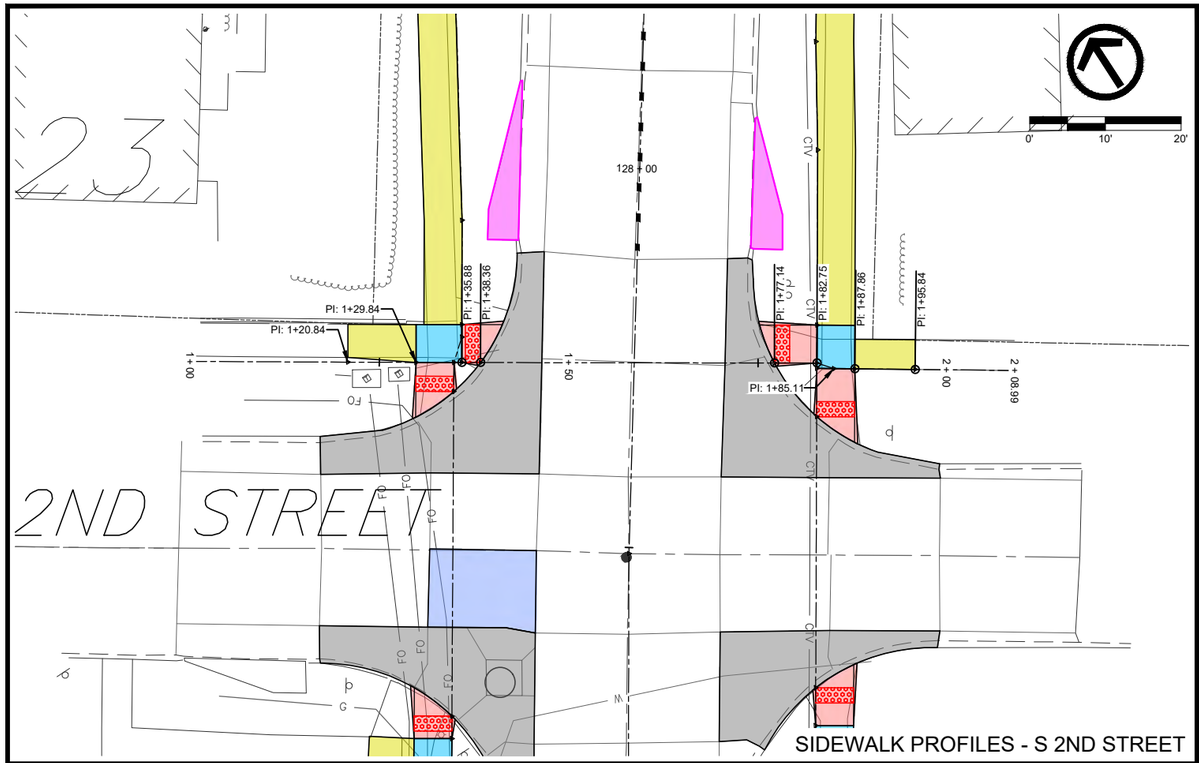




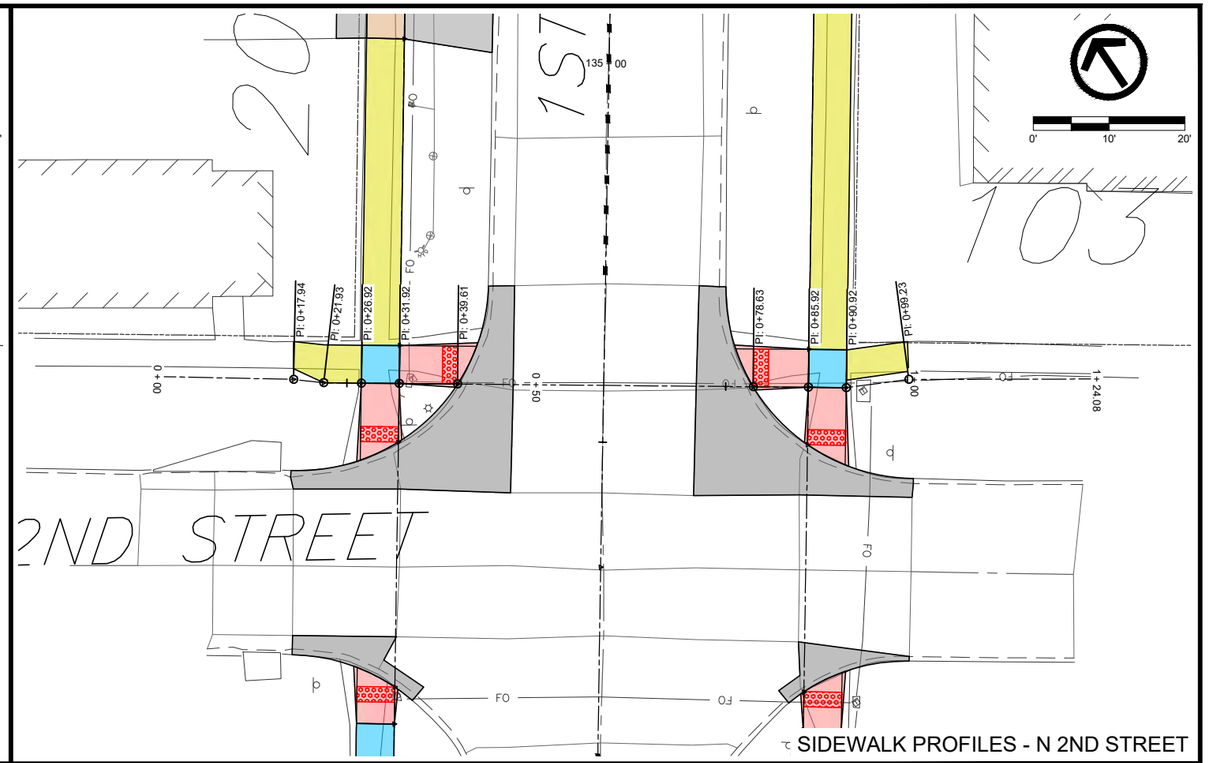
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.40

PLOTTED: Friday, October 16, 2026 10:59:40 AM

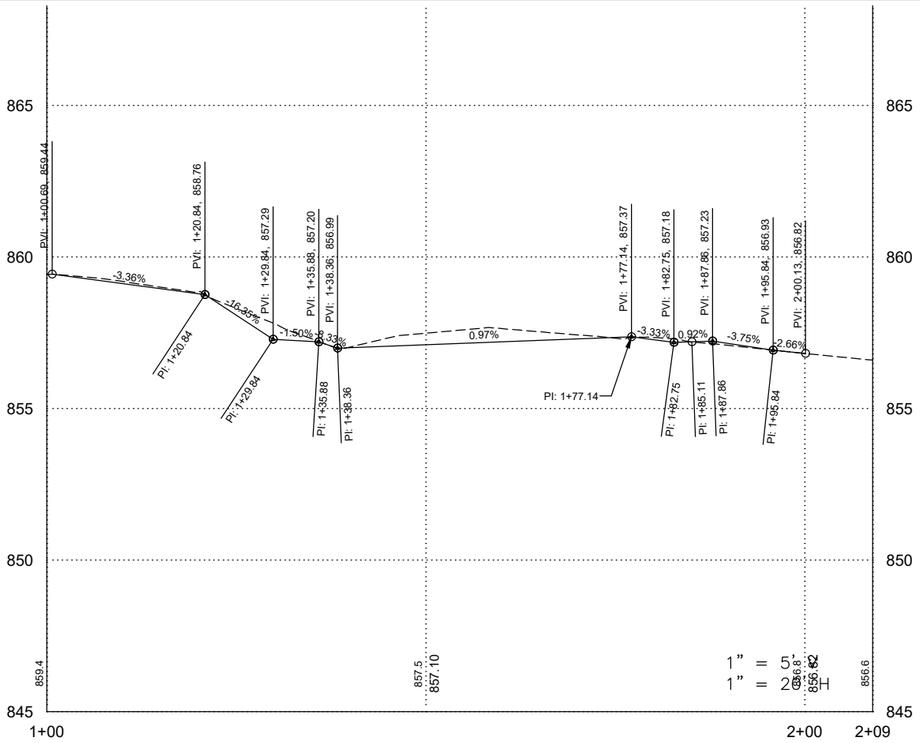
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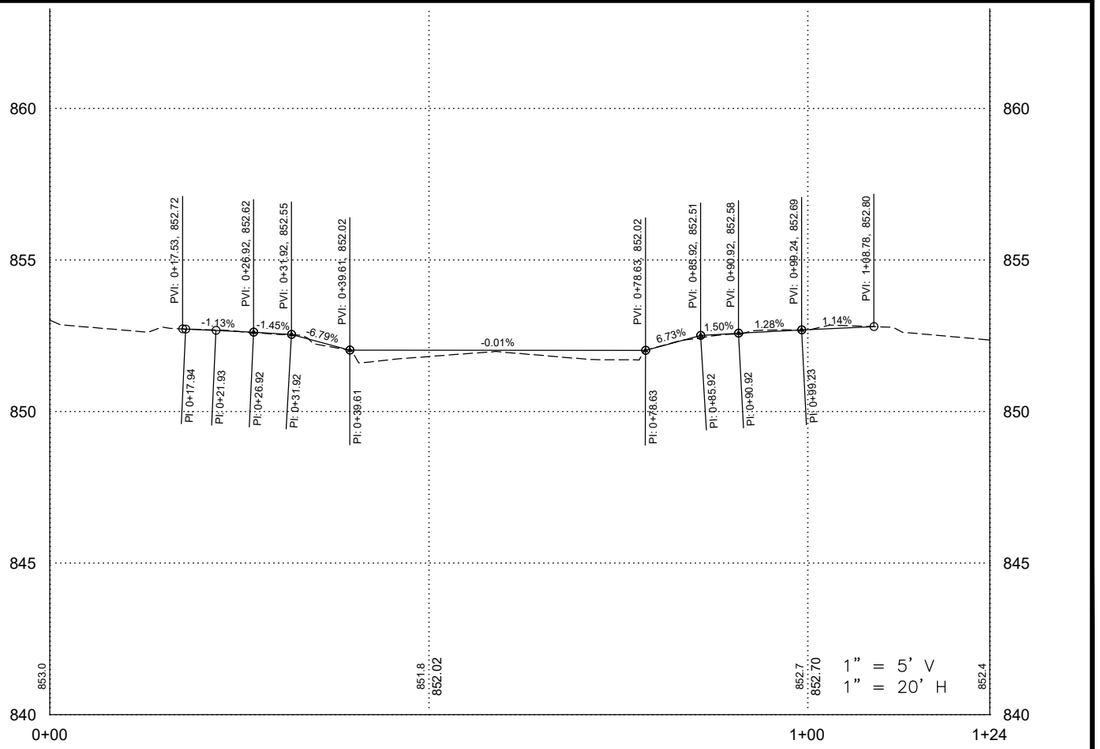


SIDEWALK PROFILES - S 2ND STREET



SIDEWALK PROFILES - N 2ND STREET

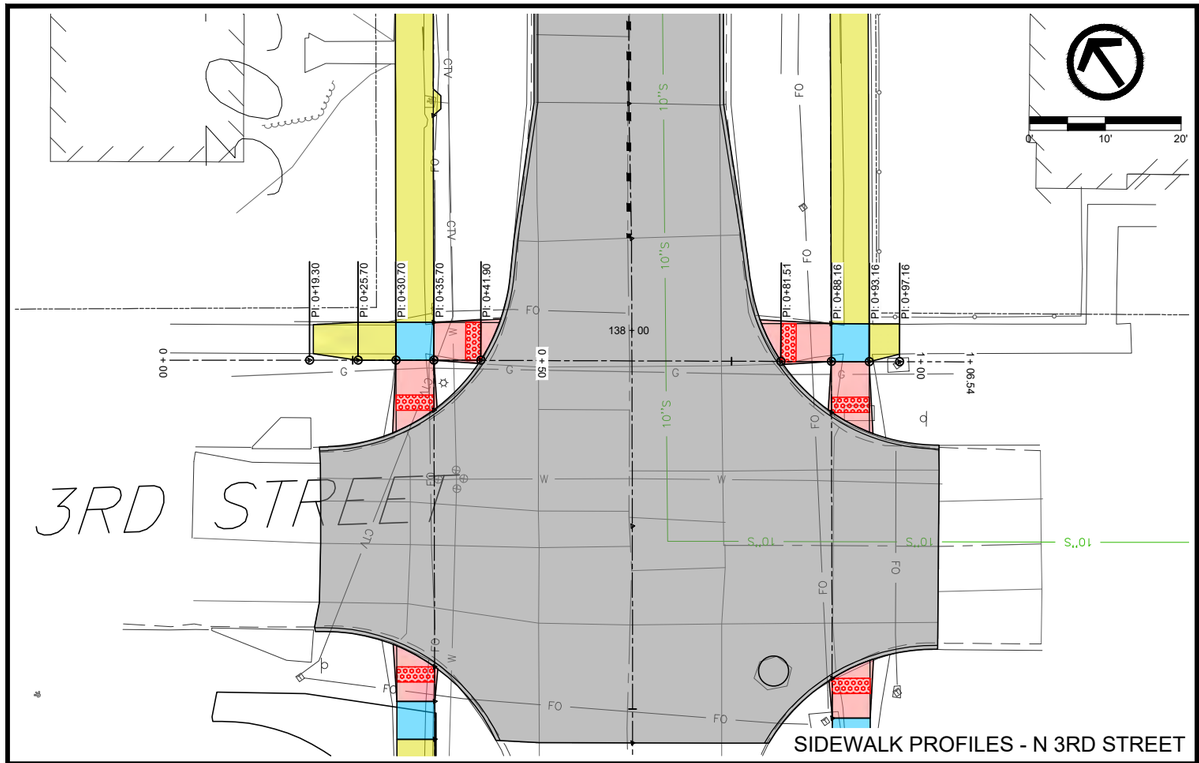




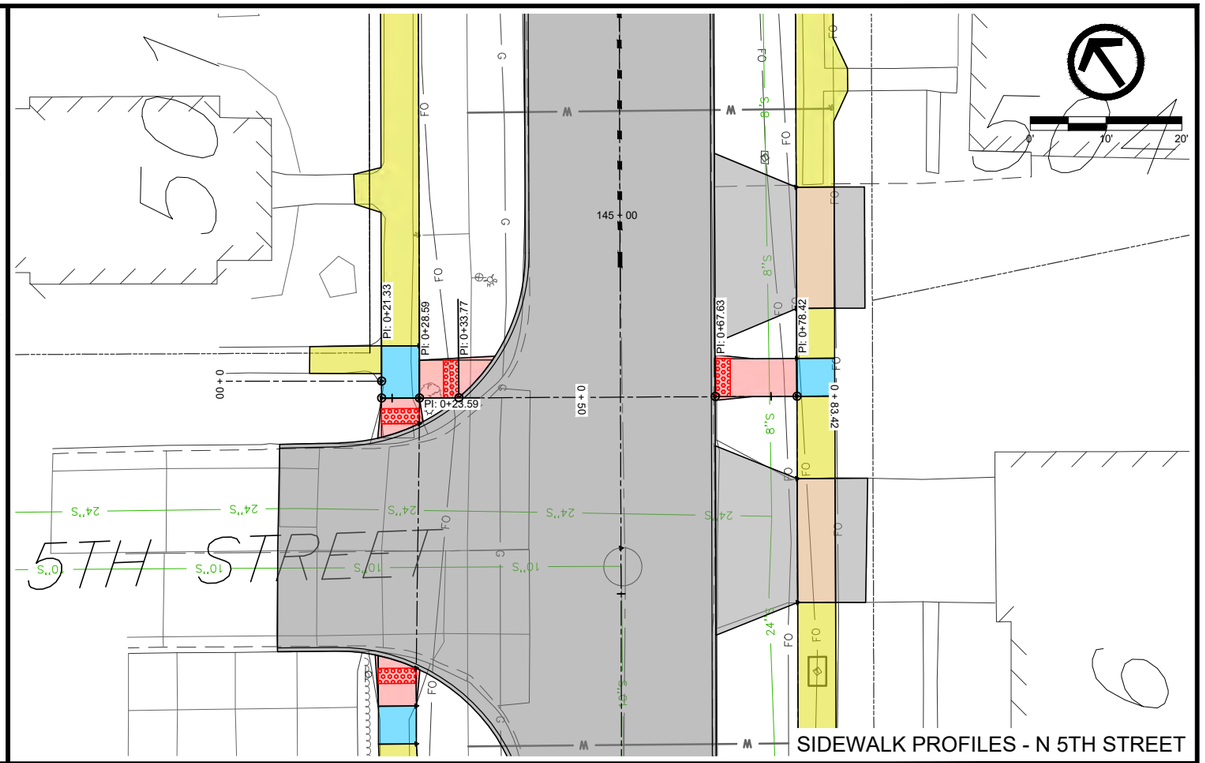
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.41

PLOTTED: Friday, October 16, 2026 10:59:58 AM

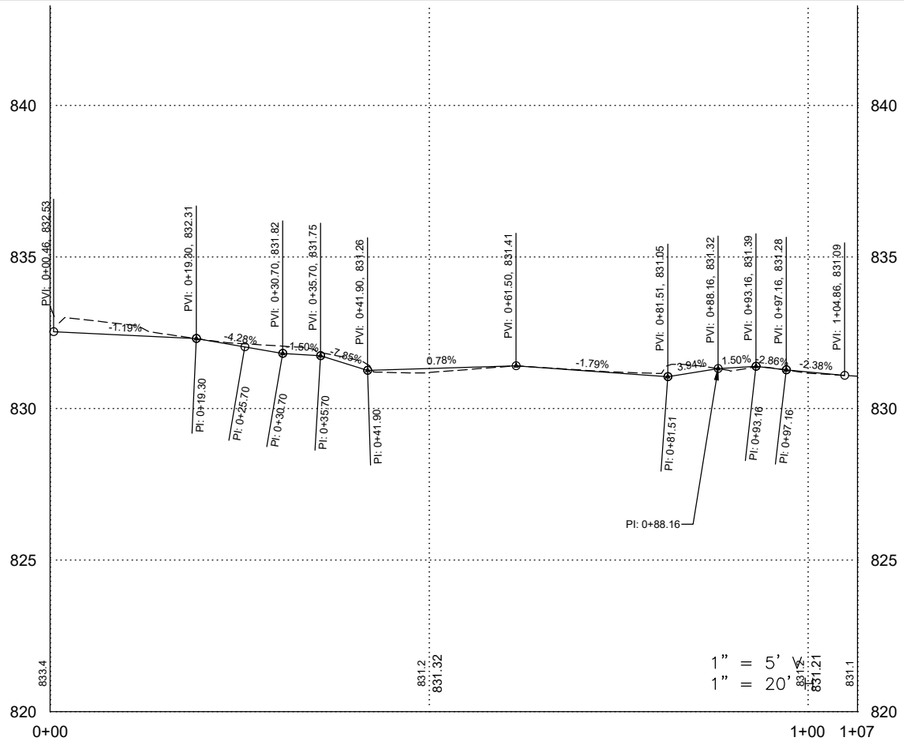
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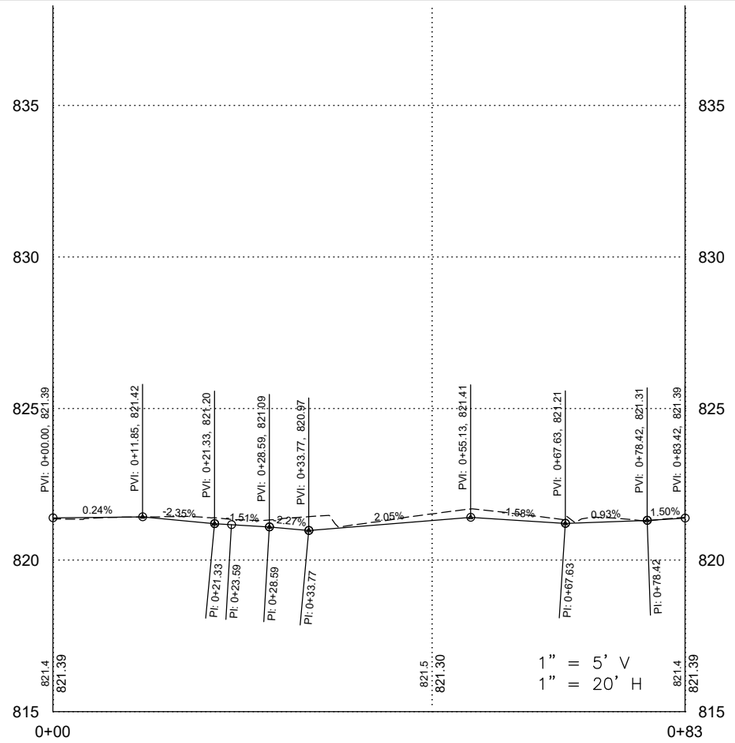


SIDEWALK PROFILES - N 3RD STREET



SIDEWALK PROFILES - N 5TH STREET

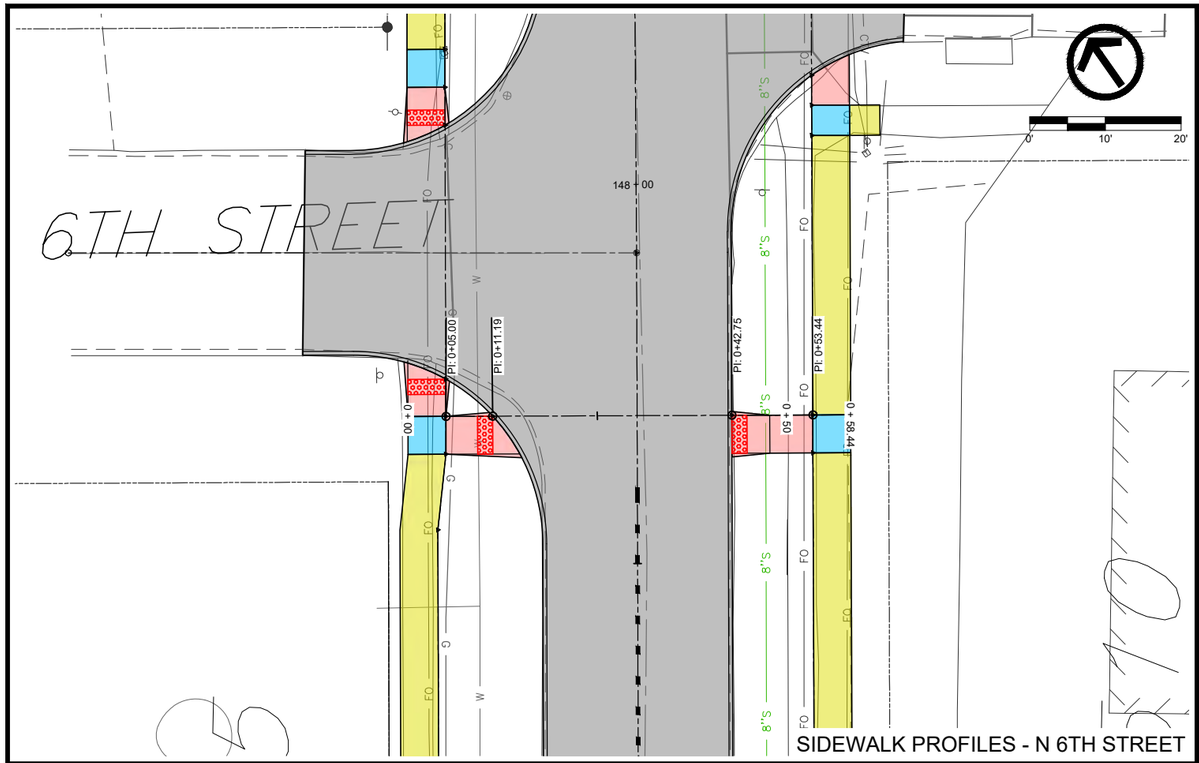




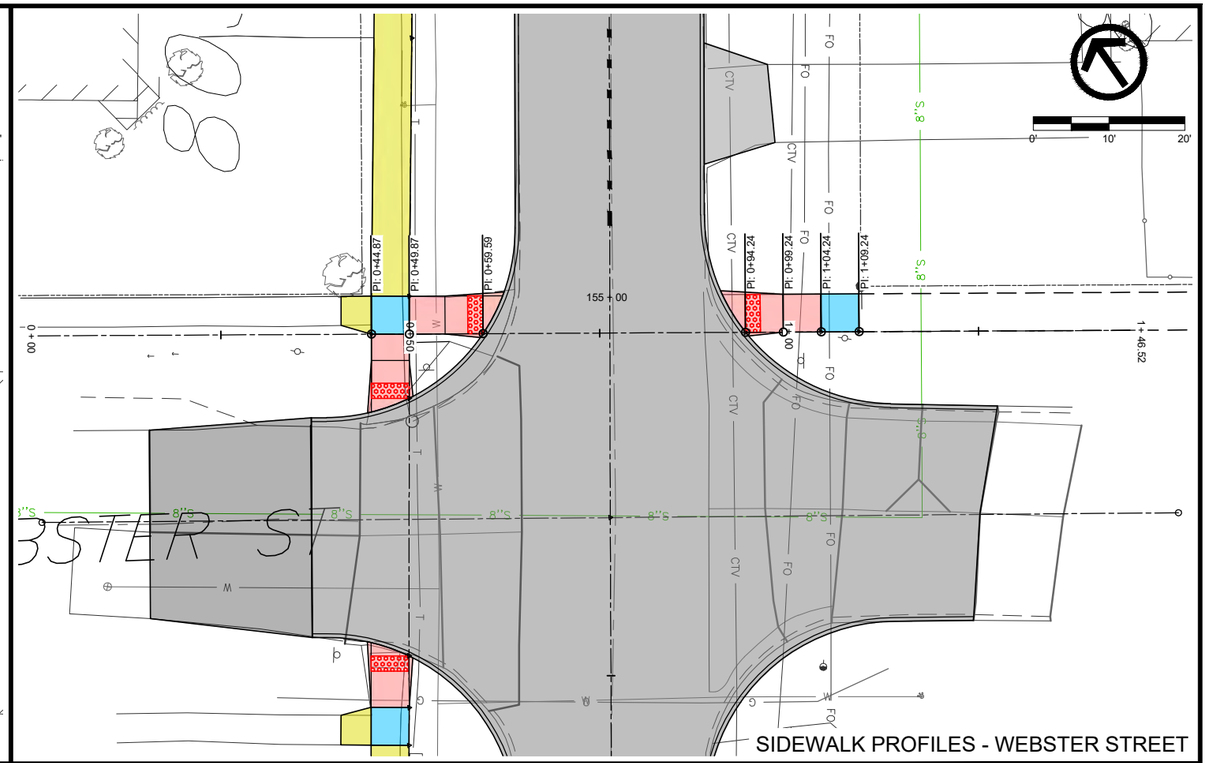
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.42

PLOTTED: Friday, October 16, 2026 11:00:16 AM

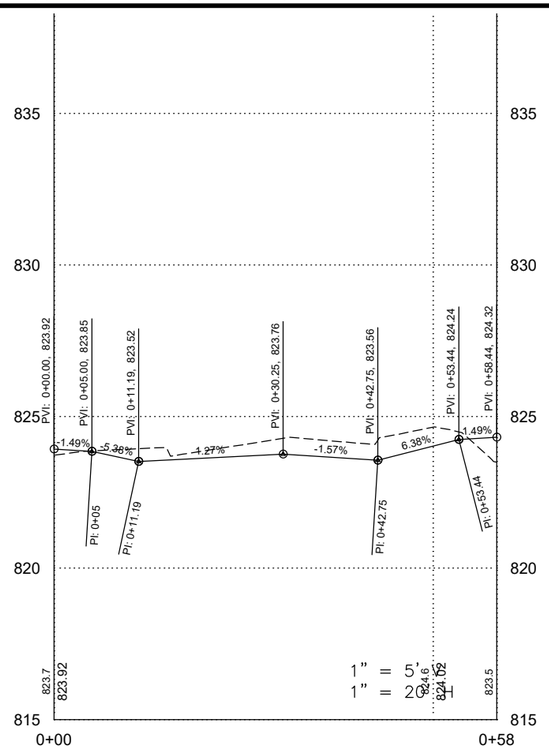
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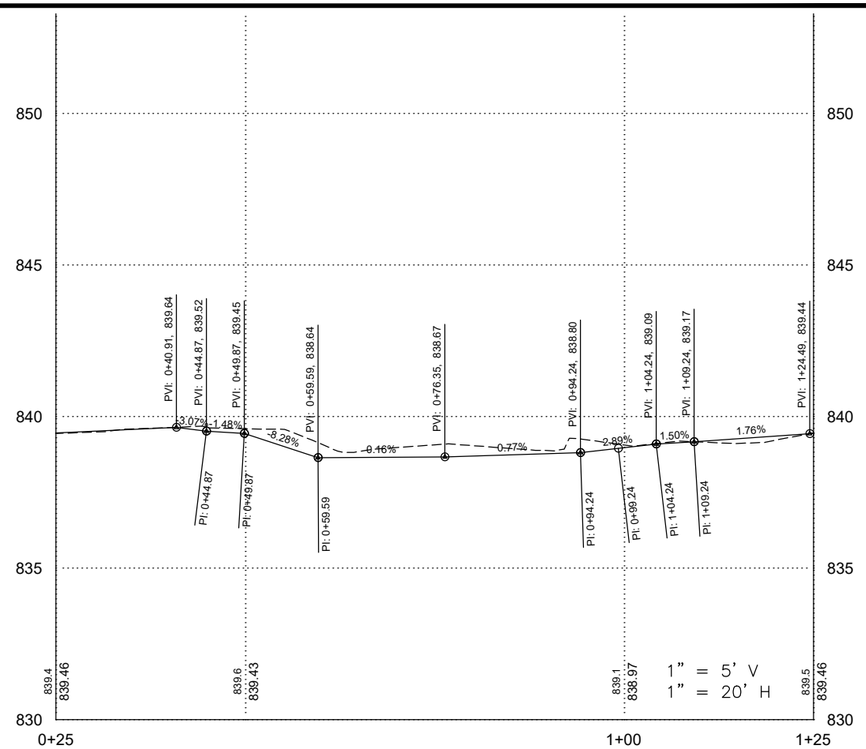


SIDEWALK PROFILES - N 6TH STREET



SIDEWALK PROFILES - WEBSTER STREET





FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	S.43

PLOTTED: Friday, October 16, 2026 11:00:35 AM

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Total Volume Table

Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
104+00.00	0.00	0.00	0.00	0.00	0.00	0.00	0.00
106+93.00	47.75	0.00	259.97	0.00	259.97	0.00	259.97
107+30.00	64.28	11.18	76.76	7.66	336.72	7.66	329.06
107+50.00	65.09	10.60	47.91	8.07	384.64	15.73	368.91
108+00.00	62.39	19.44	118.04	27.82	502.67	43.55	459.13
108+50.00	42.64	24.68	97.25	40.85	599.92	84.40	515.52
109+00.00	47.78	30.99	83.72	51.55	683.64	135.95	547.70
109+50.00	57.14	15.57	97.15	43.12	780.79	179.06	601.73
110+00.00	78.65	10.24	125.73	23.90	906.52	202.96	703.56
110+50.00	84.80	2.48	150.91	11.92	1057.43	214.88	842.54
111+00.00	56.92	15.53	131.23	16.72	1188.66	231.61	957.05
111+32.15	50.72	9.17	64.08	14.70	1252.74	246.31	1006.43
111+54.00	38.05	19.82	35.92	11.73	1288.66	258.04	1030.62
112+00.00	32.47	17.23	59.91	31.40	1348.56	289.43	1059.13
112+50.00	13.69	10.17	42.74	25.36	1391.30	314.80	1076.50
113+00.00	20.65	15.84	31.80	24.08	1423.10	338.88	1084.22
113+23.86	28.91	12.30	21.90	12.43	1445.00	351.31	1093.69
113+50.00	36.71	12.63	31.76	12.07	1476.76	363.38	1113.38
114+00.00	51.26	10.39	81.45	21.31	1558.21	384.70	1173.52
114+50.00	52.18	9.96	95.78	18.85	1653.99	403.54	1250.45
115+00.00	49.83	12.14	94.45	20.47	1748.44	424.01	1324.43
115+25.00	52.53	3.11	47.39	7.06	1795.83	431.07	1364.76
115+75.00	40.35	6.04	86.01	8.47	1881.84	439.54	1442.29
116+25.00	52.60	0.00	86.07	5.59	1967.90	445.14	1522.77
116+85.00	62.14	0.00	127.48	0.00	2095.39	445.14	1650.25
117+30.00	53.59	0.80	96.44	0.66	2191.82	445.80	1746.02
118+00.00	37.43	7.97	117.99	11.37	2309.81	457.17	1852.64
118+50.00	31.79	7.41	64.09	14.24	2373.90	471.41	1902.49
118+97.03	43.03	0.00	65.16	6.45	2439.07	477.87	1961.20
119+07.62	30.69	1.63	14.45	0.32	2453.52	478.19	1975.34
119+73.50	45.56	0.37	93.02	2.44	2546.54	480.62	2065.92
120+25.54	50.72	0.00	92.79	0.35	2639.34	480.98	2158.36
120+69.00	67.46	0.04	95.12	0.04	2734.45	481.01	2253.44
121+00.00	61.18	0.04	73.85	0.05	2808.30	481.06	2327.24
122+00.00	54.60	0.29	214.40	0.60	3022.70	481.66	2541.04
122+39.29	63.60	0.00	85.99	0.21	3108.69	481.87	2626.82
123+00.00	37.36	3.08	113.51	3.46	3222.20	485.33	2736.87
123+50.00	34.86	2.40	66.88	5.07	3289.08	490.39	2798.68
123+82.14	43.02	0.39	46.35	1.66	3335.42	492.05	2843.37
124+34.12	71.34	0.00	110.08	0.37	3445.51	492.43	2953.08
124+50.00	28.24	0.00	29.29	0.00	3474.79	492.43	2982.37
125+00.00	12.68	0.00	37.89	0.00	3512.68	492.43	3020.26
125+50.00	7.16	0.76	18.37	0.70	3531.06	493.13	3037.93
126+00.00	9.27	0.23	15.21	0.91	3546.27	494.04	3052.23
126+50.00	17.31	0.44	24.61	0.62	3570.88	494.66	3076.22
127+00.00	7.40	2.38	22.88	2.61	3593.76	497.27	3096.49
127+49.19	0.00	0.00	6.74	2.17	3600.50	499.43	3101.06
127+50.00	0.00	0.00	0.00	0.00	3600.50	499.43	3101.06
128+00.00	19.04	0.00	17.63	0.00	3618.12	499.43	3118.69
128+50.00	39.51	0.00	54.21	0.00	3672.33	499.43	3172.90

Total Volume Table

Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
129+00.00	11.07	0.00	46.83	0.00	3719.16	499.43	3219.73
129+50.00	26.85	0.00	35.12	0.00	3754.28	499.43	3254.84
130+00.00	23.05	0.00	46.21	0.00	3800.49	499.43	3301.05
130+50.00	0.00	0.00	21.34	0.00	3821.83	499.43	3322.40
130+91.29	0.00	0.00	0.00	0.00	3821.83	499.43	3322.40
131+00.00	0.00	0.00	0.00	0.00	3821.83	499.43	3322.40
131+50.00	0.00	0.00	0.00	0.00	3821.83	499.43	3322.40
132+00.00	29.91	0.00	27.70	0.00	3849.53	499.43	3350.10
132+50.00	27.87	0.00	53.51	0.00	3903.04	499.43	3403.60
133+00.00	8.59	0.00	33.76	0.00	3936.79	499.43	3437.36
133+50.00	11.43	0.00	18.53	0.00	3955.33	499.43	3455.89
134+00.00	14.61	0.00	24.11	0.00	3979.44	499.43	3480.01
134+33.49	0.00	0.00	9.06	0.00	3988.50	499.43	3489.07
134+50.00	5.16	0.00	1.58	0.00	3990.08	499.43	3490.64
135+00.00	12.93	0.44	16.75	0.41	4006.83	499.84	3506.98
135+50.00	20.19	0.51	30.67	0.88	4037.49	500.72	3536.77
136+00.00	35.07	0.00	51.17	0.47	4088.67	501.20	3587.47
136+50.00	7.07	0.45	39.02	0.42	4127.68	501.62	3626.07
137+00.00	9.47	0.30	15.31	0.70	4142.99	502.31	3640.68
137+50.00	105.99	0.39	106.90	0.64	4249.90	502.96	3746.94
137+98.80	46.32	1.96	137.63	2.13	4387.53	505.08	3882.44
138+50.00	29.87	4.63	72.25	6.25	4459.78	511.33	3948.45
139+03.80	34.24	6.53	63.87	11.11	4523.65	522.44	4001.21
139+50.00	33.41	6.31	57.87	10.98	4581.52	533.43	4048.10
140+00.00	43.43	0.81	71.14	6.60	4652.67	540.02	4112.64
140+46.41	67.73	2.36	95.54	2.72	4748.21	542.75	4205.46
141+00.00	31.68	10.89	98.65	13.15	4846.86	555.90	4290.96
141+21.94	40.73	2.69	29.42	5.52	4876.28	561.41	4314.87
141+50.00	36.59	7.56	40.19	5.33	4916.46	566.74	4349.73
141+94.20	45.64	2.03	67.30	7.85	4983.76	574.59	4409.17
142+06.59	42.53	4.70	20.24	1.55	5004.00	576.14	4427.86
142+16.92	62.91	1.32	20.17	1.15	5024.17	577.29	4446.88
142+50.00	44.92	3.53	66.06	2.97	5090.22	580.26	4509.96
142+81.98	63.84	2.06	64.42	3.31	5154.64	583.57	4571.07
143+00.00	65.82	1.77	43.26	1.28	5197.90	584.85	4613.05
143+50.00	47.97	1.88	105.37	3.38	5303.26	588.23	4715.03
144+00.00	39.12	3.26	80.64	4.76	5383.90	592.99	4790.92
144+56.03	42.76	0.00	84.95	3.38	5468.85	596.37	4872.48
145+00.00	54.75	0.49	79.40	0.40	5548.25	596.77	4951.48
146+00.00	50.49	0.42	194.88	1.70	5743.13	598.47	5144.66
146+31.85	62.25	1.96	66.50	1.41	5809.63	599.88	5209.75
146+72.14	37.21	3.60	74.20	4.15	5883.83	604.03	5279.80
146+94.59	46.64	2.28	34.86	2.44	5918.68	606.47	5312.21
147+50.00	47.40	6.30	96.50	8.80	6015.19	615.27	5399.91
147+91.02	55.62	0.68	78.26	5.30	6093.45	620.57	5472.87
147+91.02	55.62	0.68	78.26	5.30	6093.45	620.57	5472.87
148+32.29	53.84	0.95	41.15	0.73	6134.60	621.30	5513.29
148+32.29	53.84	0.95	41.15	0.73	6134.60	621.30	5513.29
149+00.00	34.13	1.45	42.79	1.82	6177.39	623.13	5554.26
149+60.56	34.08	0.00	76.49	1.63	6253.88	624.76	5629.12

Total Volume Table

Station	Cut Area (SF)	Fill Area (SF)	Cut Vol (CY)	Fill Vol (CY)	Cumulative Cut Vol (CY)	Cumulative Fill Vol (CY)	Net Vol (CY)
150+39.49	19.87	4.68	78.86	6.84	6332.73	631.59	5701.14
151+00.00	21.63	5.32	46.51	11.21	6379.24	642.80	5736.44
151+31.14	57.29	0.10	45.51	3.13	6424.75	645.93	5778.82
151+31.14	57.29	0.10	45.51	3.13	6424.75	645.93	5778.82
151+58.34	64.71	1.83	32.59	0.92	6457.34	646.85	5810.49
151+58.50	64.69	1.81	0.39	0.01	6457.73	646.86	5810.86
152+00.00	35.51	0.39	77.01	1.69	6534.73	648.55	5886.18
152+40.00	43.35	0.00	58.41	0.29	6593.14	648.84	5944.30
152+81.97	40.95	2.37	65.53	1.84	6658.67	650.68	6007.99
153+02.54	49.39	0.00	34.41	0.90	6693.08	651.58	6041.50
153+50.00	52.95	0.00	89.96	0.00	6783.04	651.58	6131.46
154+00.00	61.40	0.00	105.88	0.00	6888.92	651.59	6237.34
154+50.00	95.06	0.32	144.87	0.30	7033.79	651.89	6381.90
154+70.86	81.57	4.57	68.22	1.89	7102.01	653.78	6448.23
154+70.86	81.57	4.57	68.22	1.89	7102.01	653.78	6448.23
154+97.25	73.11	0.02	35.73	0.01	7137.74	653.79	6483.95
155+00.00	70.56	0.00	7.32	0.00	7145.07	653.79	6491.28
155+50.00	47.25	0.00	109.08	0.00	7254.14	653.79	6600.35
155+72.43	66.28	0.04	47.16	0.02	7301.30	653.81	6647.49
156+06.56	60.26	1.67	79.98	1.08	7381.28	654.89	6726.39
156+54.38	74.13	0.00	119.01	1.47	7500.29	656.36	6843.93
157+00.00	64.97	0.08	117.50	0.07	7617.79	656.43	6961.36
157+37.54	52.76	0.24	81.85	0.22	7699.64	656.65	7042.99
157+65.76	58.24	0.00	58.00	0.12	7757.65	656.78	7100.87
158+14.79	49.81	1.50	98.11	1.37	7855.75	658.14	7197.61
158+47.32	52.54	0.00	61.64	0.91	7917.40	659.05	7258.35
158+59.89	52.96	0.00	24.56	0.00	7941.96	659.05	7282.91
159+00.00	48.93	0.60	75.69	0.44	8017.65	659.49	7358.16
159+50.00	56.01	0.45	97.17	0.97	8114.82	660.46	7454.35
159+62.54	109.98	0.34	38.54	0.18	8153.36	660.65	7492.71
159+64.21	115.77	0.00	7.00	0.01	8160.36	660.66	7499.70
160+00.00	83.74	0.00	132.22	0.00	8292.58	660.66	7631.92
160+50.00	57.66	0.56	130.93	0.52	8423.51	661.17	7762.33
161+00.00	56.95	0.03	106.12	0.55	8529.62	661.72	7867.90
161+35.15	53.45	0.07	71.86	0.07	8601.48	661.79	7939.69
161+42.20	51.29	4.00	13.67	0.53	8615.15	662.32	7952.84
161+84.07	50.24	1.59	78.73	4.33	8693.88	666.65	8027.23
162+16.35	43.16	3.74	55.84	3.19	8749.72	669.83	8079.89
162+55.14	38.49	0.58	58.64	3.11	8808.36	672.94	8135.42
162+90.98	44.37	0.50	54.99	0.72	8863.35	673.66	8189.69
163+22.69	45.18	0.10	52.60	0.35	8915.95	674.02	8241.93
163+46.70	45.54	0.00	40.33	0.04	8956.28	674.06	8282.22
163+69.29	57.11	4.41	42.95	1.84	8999.22	675.91	8323.32
164+00.00	0.00	0.00	32.48	2.51	9031.70	678.41	8353.29

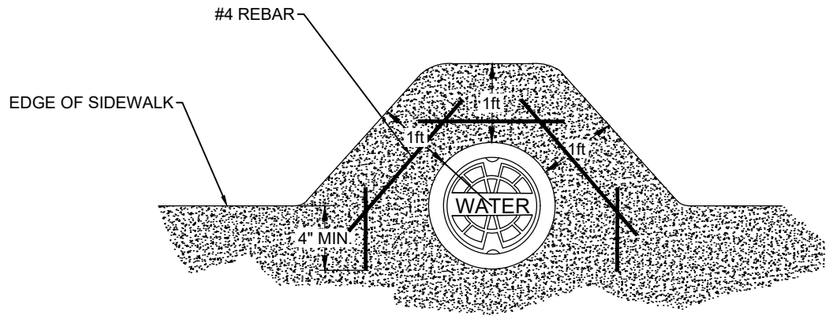
EARTHWORK NOTES:

1. NO SHRINKAGE WAS INCLUDED IN EARTHWORK TABLE.
2. EARTHWORK TABLE COMPARES DESIGN DATUM WITH THE EXISTING SURFACE WITH THE PAVEMENT REMOVED.
3. A SHRINKAGE FACTOR OF 30% WAS APPLIED TO THE FILL VOLUME BELOW.

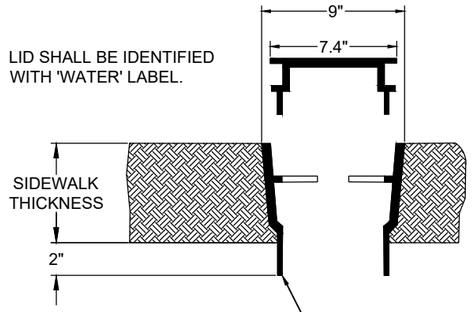
VOLUME RAW	CUT	FILL	NET
	9,032 CY	678 CY	8,354 CY (WASTE)
Shrinkage 30%	9,032 CY	882 CY	8,150 CY (WASTE)

EARTHWORK TABULATION

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	T.01	

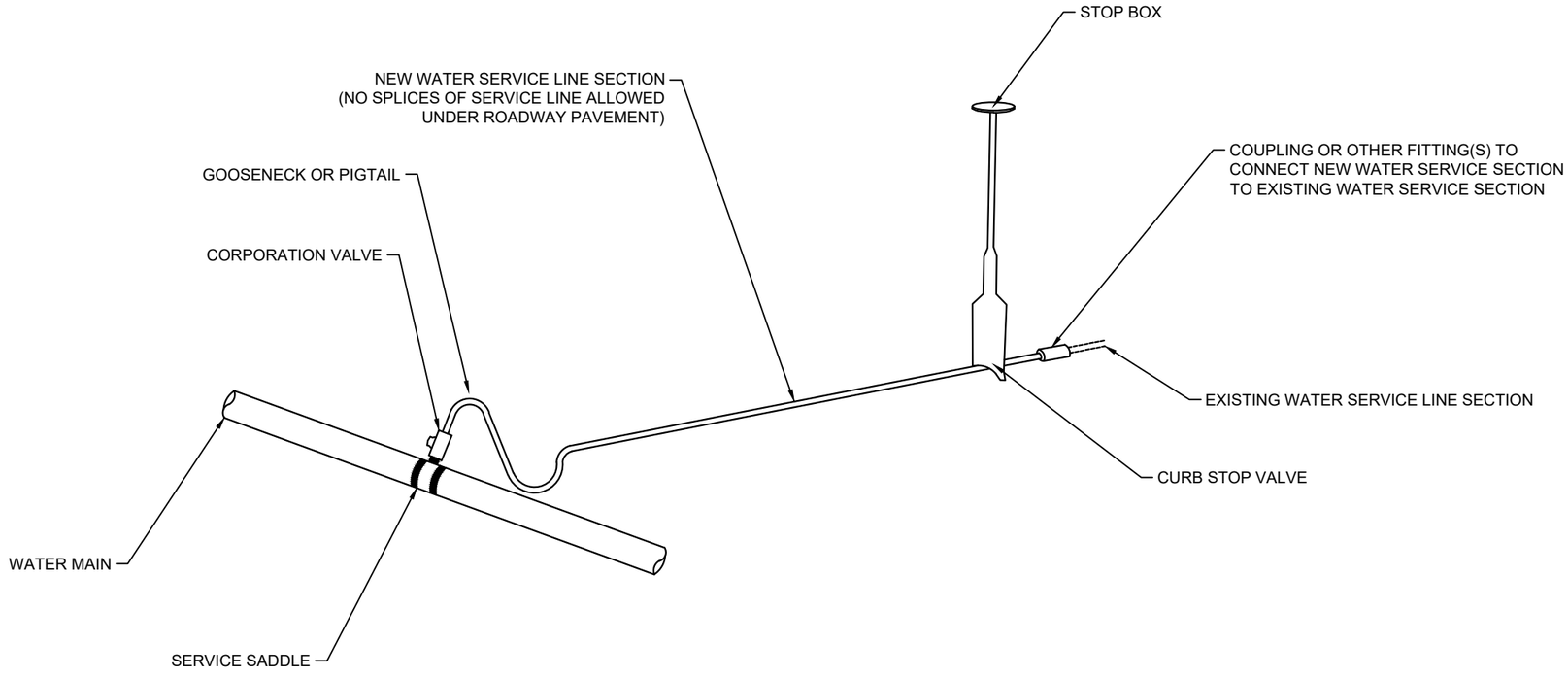


CURB STOP COVER SIDEWALK DETAIL
NOT TO SCALE



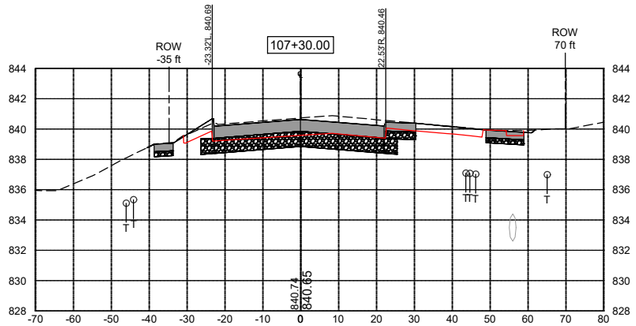
DOUBLE CURB STOP COVER WILL USE SAME COVER AS SHOWN. CONTRACTOR MAY BE REQUIRED TO STAGER ELEVATION OF SHUTOFF COVER IN ORDER TO PASS HEADS THROUGH LOWER OR SUPPORTING SEAT.

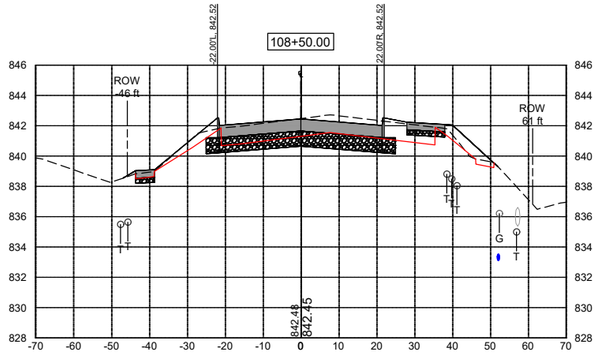
CURB STOP COVER ADJUSTMENT DETAIL
NOT TO SCALE



WATER SERVICE STUB - RECONNECTION TO EXISTING SERVICE
NOT TO SCALE

SPECIAL DETAILS - WATER





LEGEND

EXISTING GROUND
BOTTOM OF EXISTING PAVEMENT
PROPOSED GROUND

PCC PAVEMENT

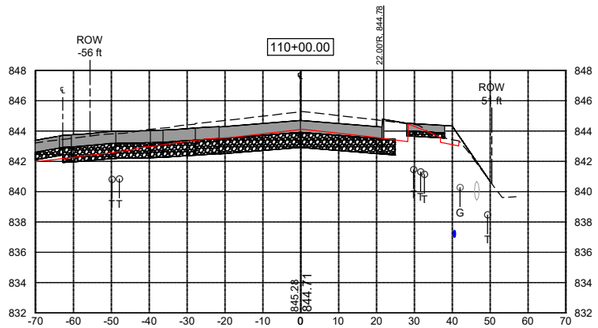
MODIFIED SUBBASE

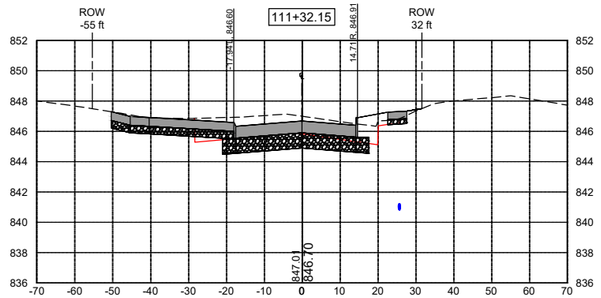
CROSS SECTIONS - HWY 1

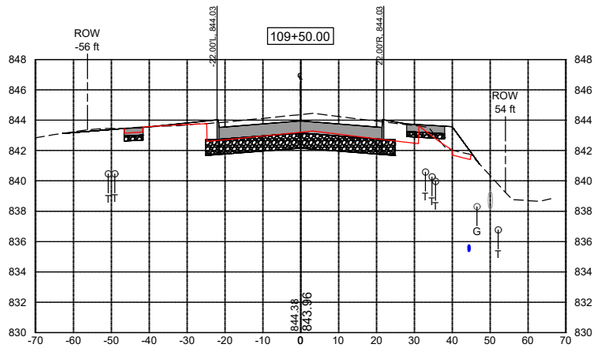
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.01

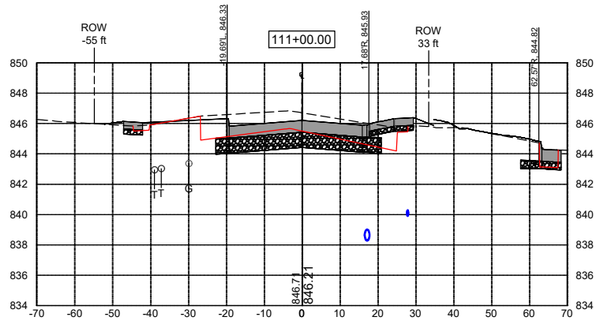
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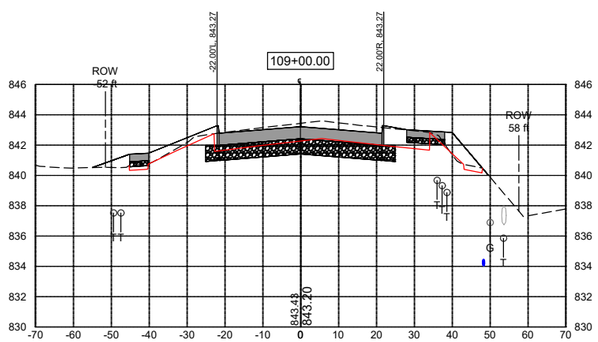
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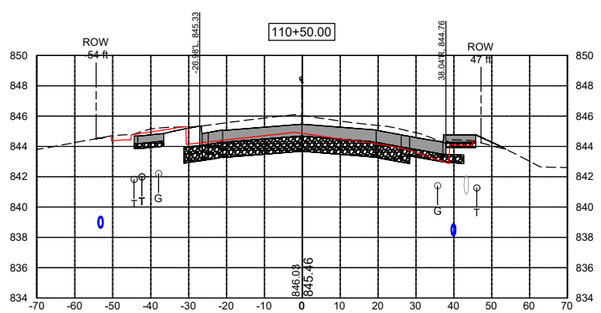










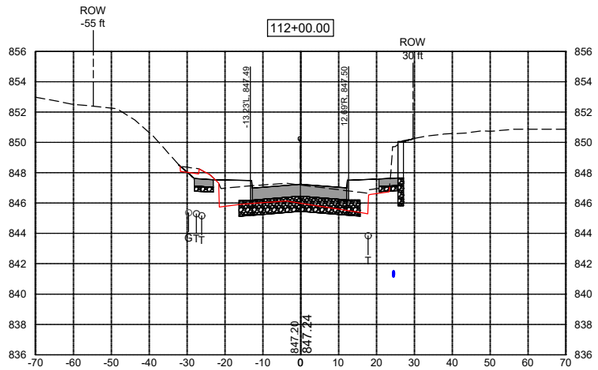


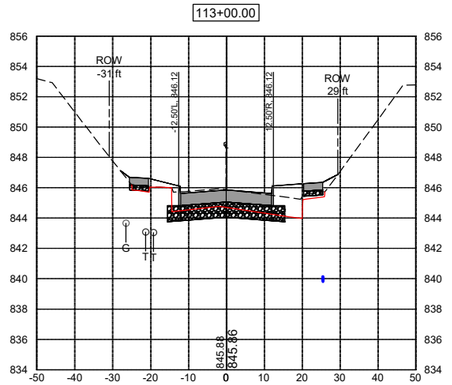
CROSS SECTIONS - HWY 1

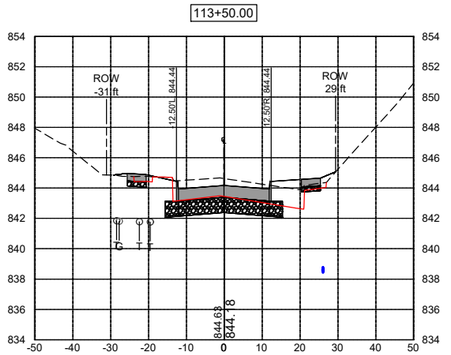
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.02	

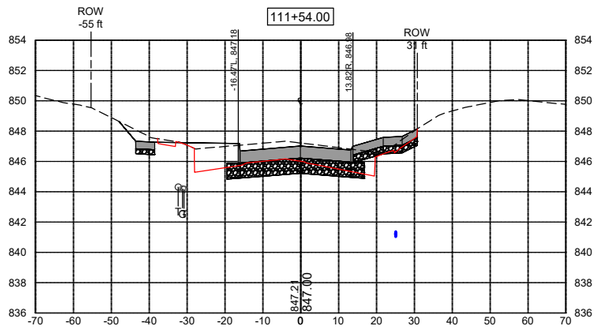
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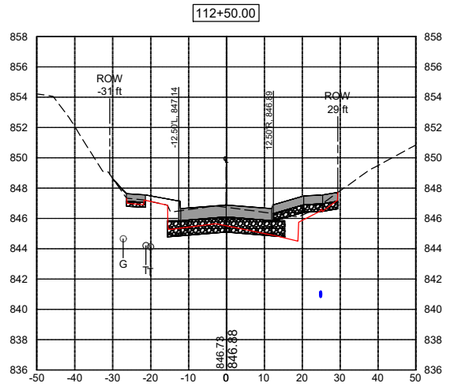
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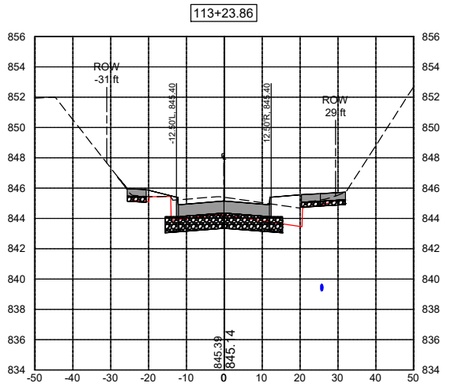








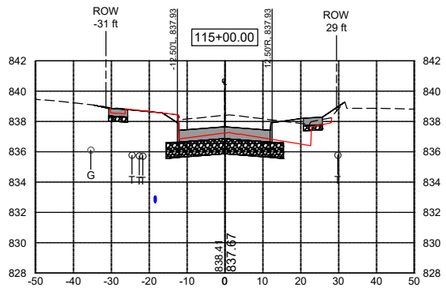


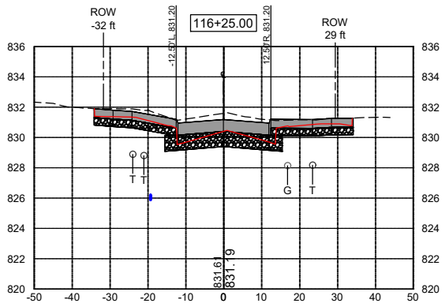


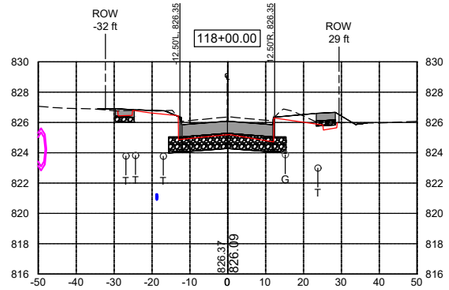
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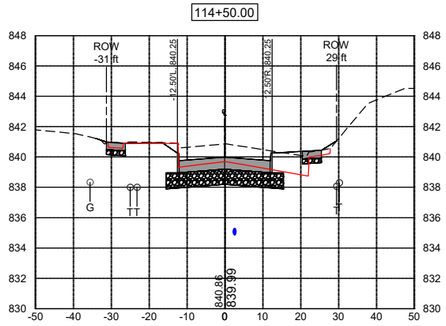
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.03	

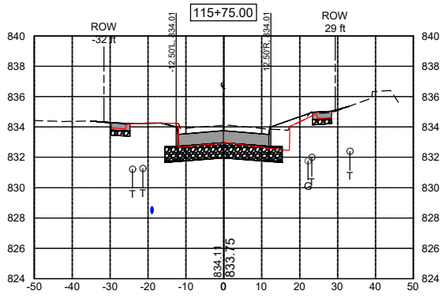
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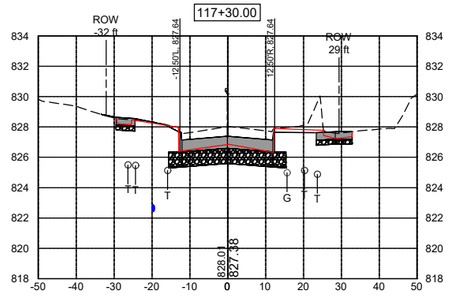


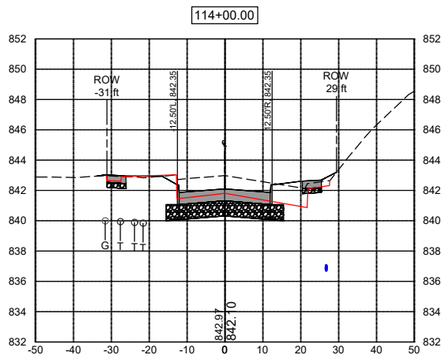


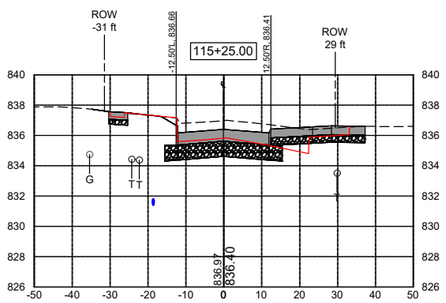


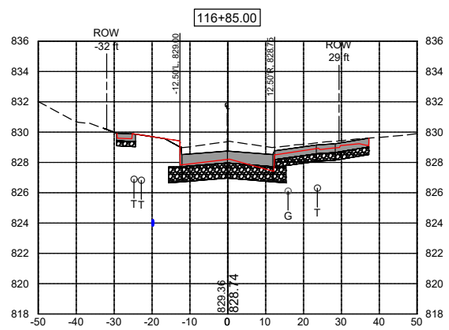










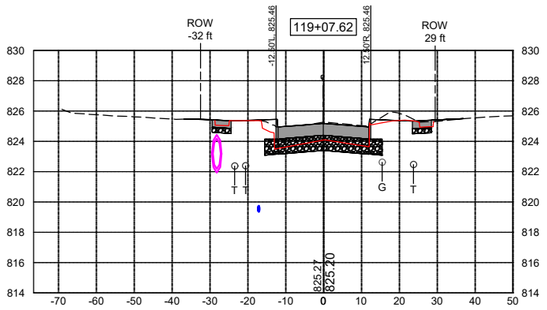


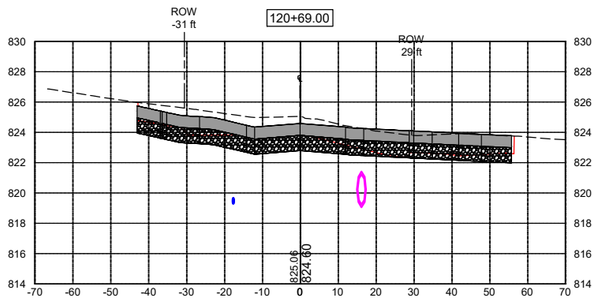
CROSS SECTIONS - HWY 1

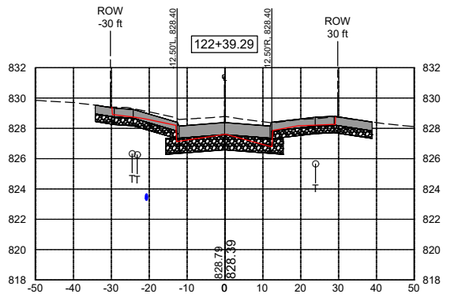
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.04	

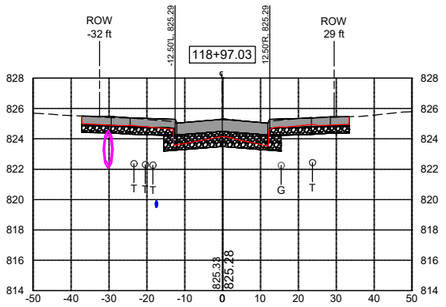
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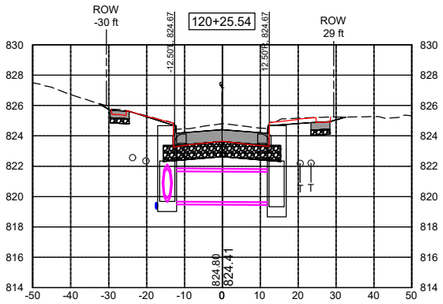
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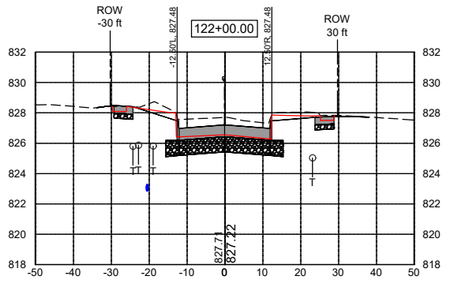


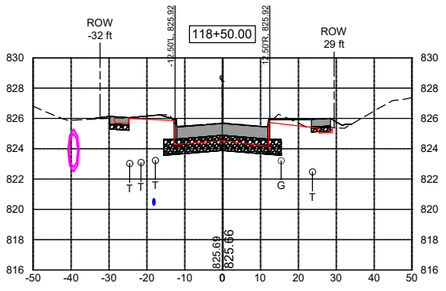


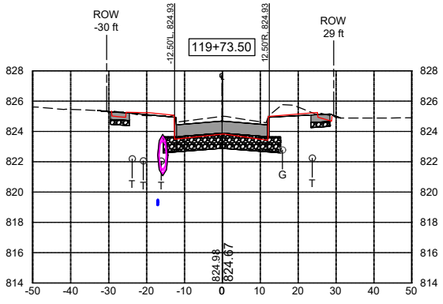


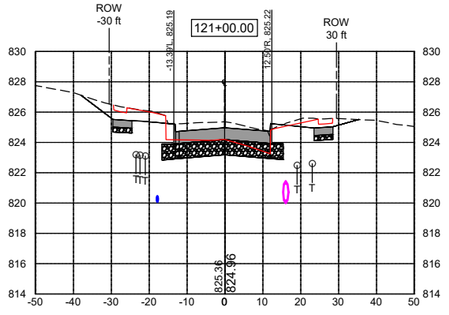










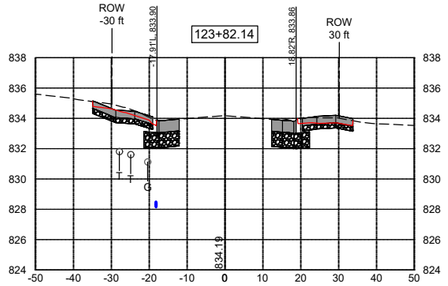


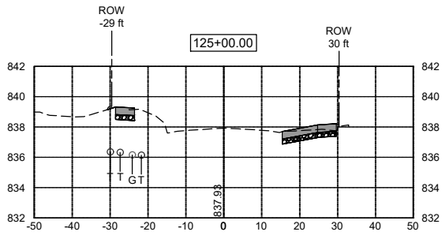
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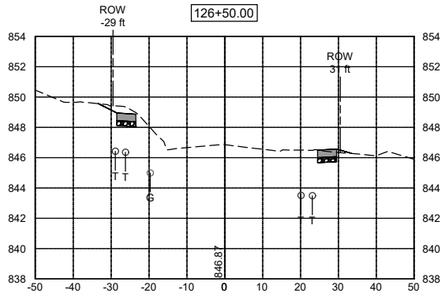
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.05	

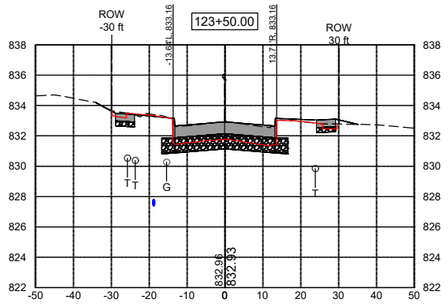
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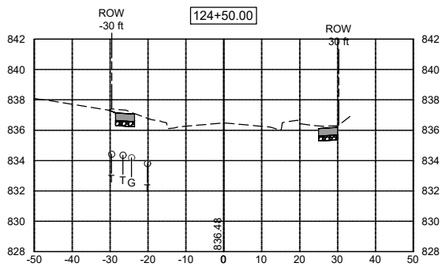
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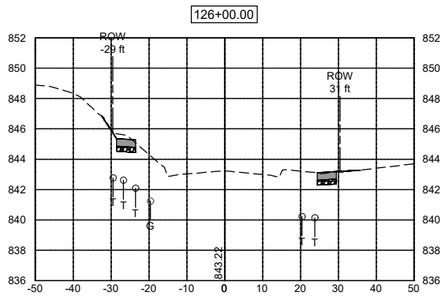


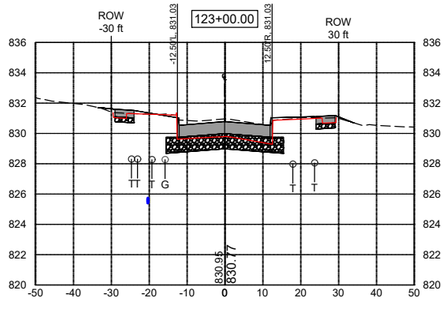


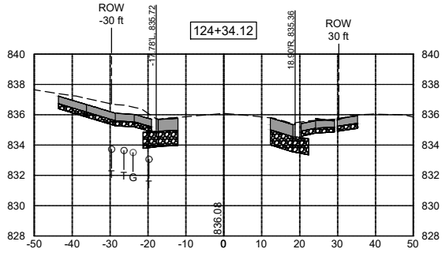


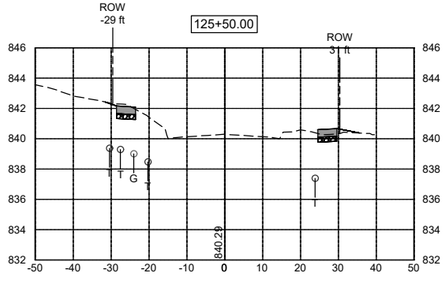








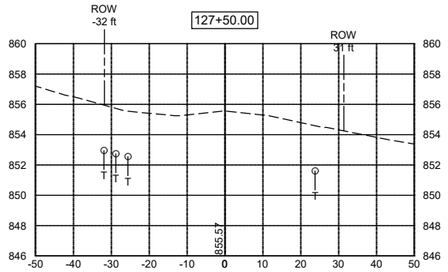


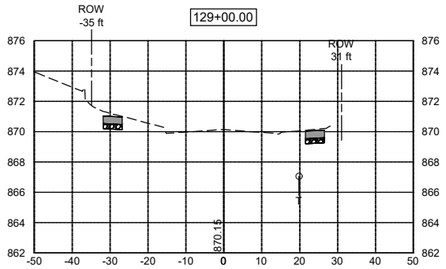


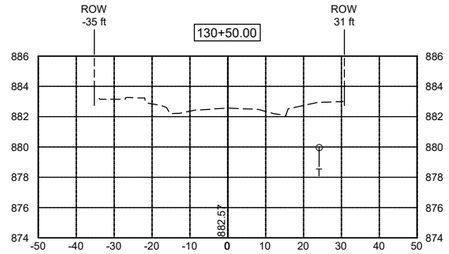
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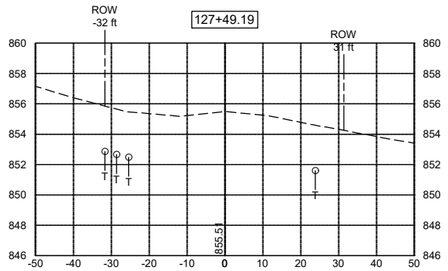
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.06

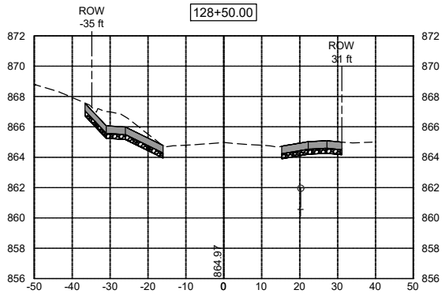
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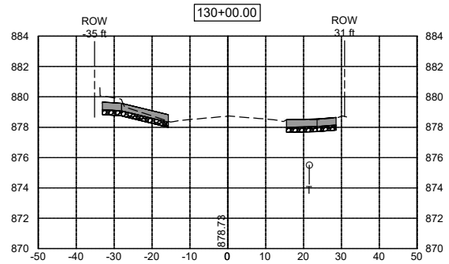


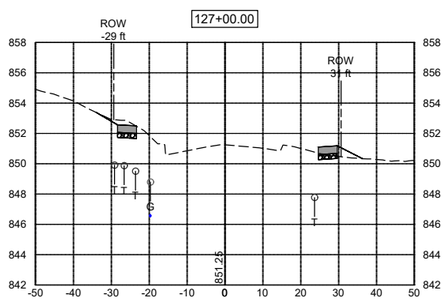


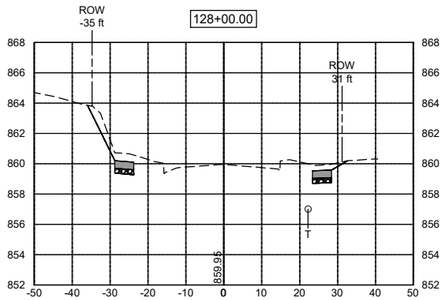


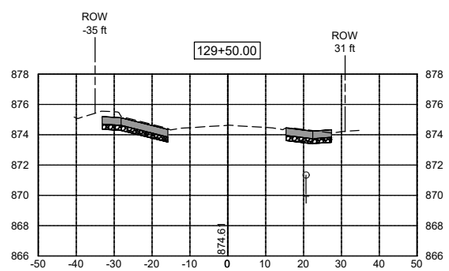








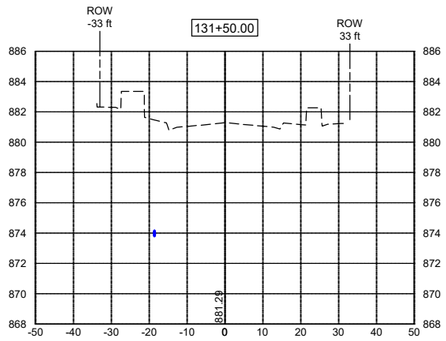


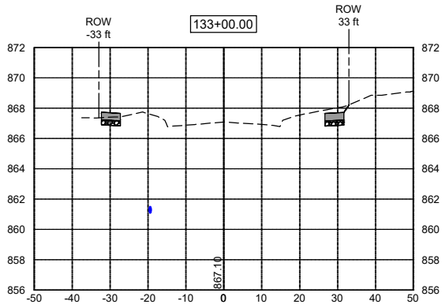


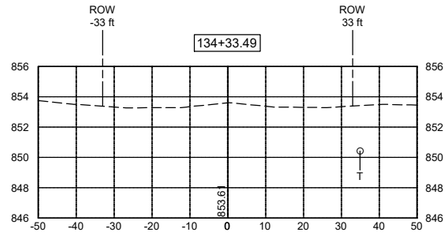
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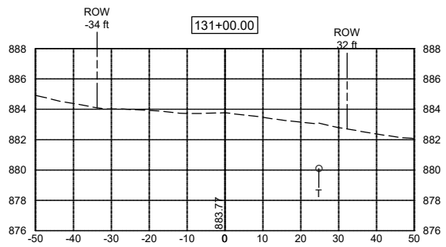
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER W.07	

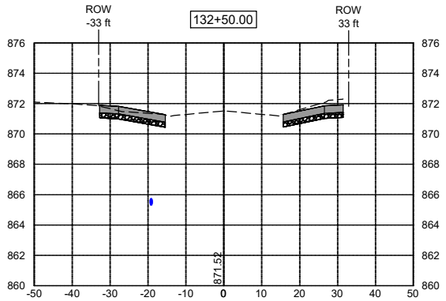
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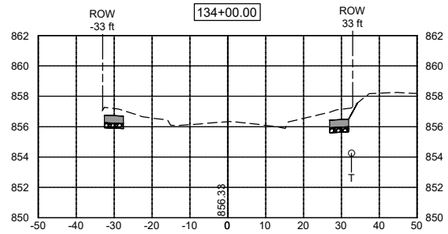


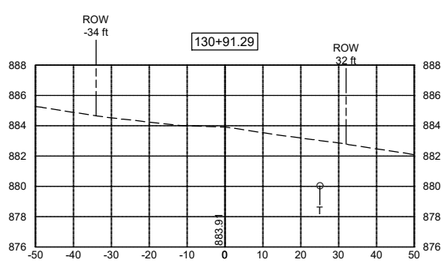


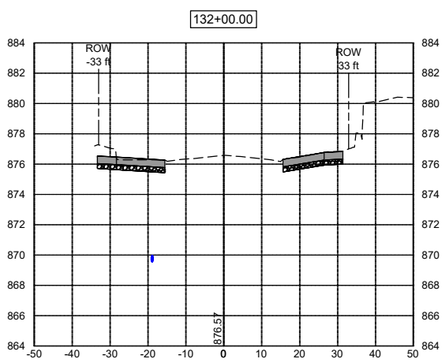


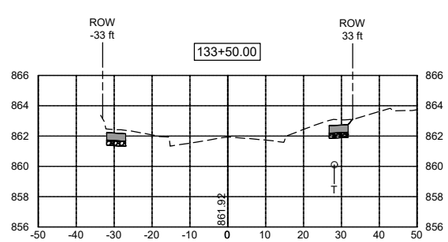








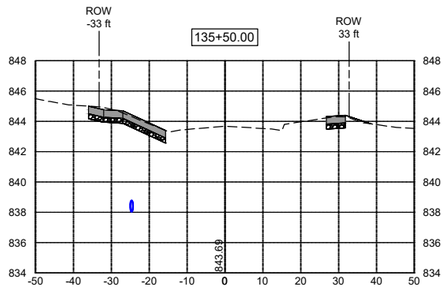


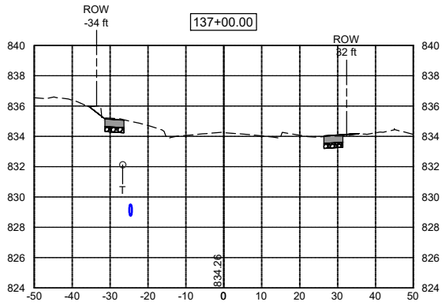


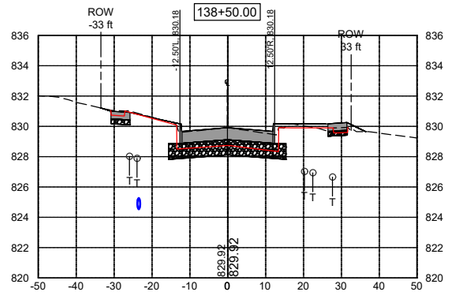
CROSS SECTIONS - HWY 1

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER W.08	

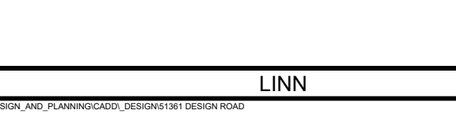
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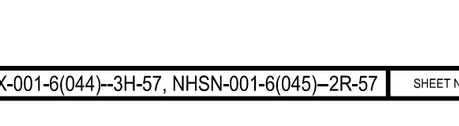


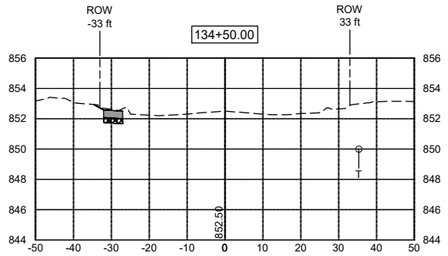


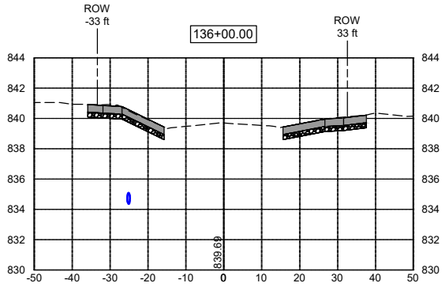


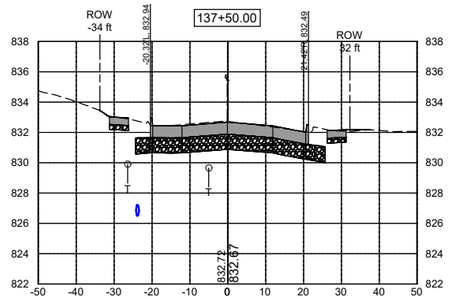










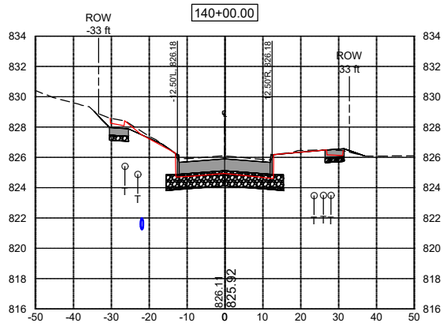


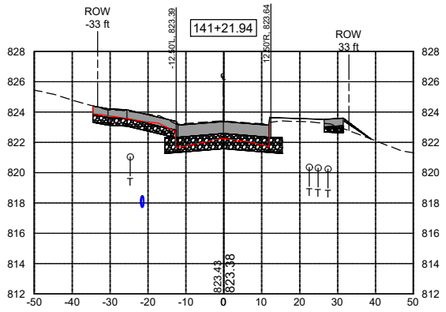
CROSS SECTIONS - HWY 1

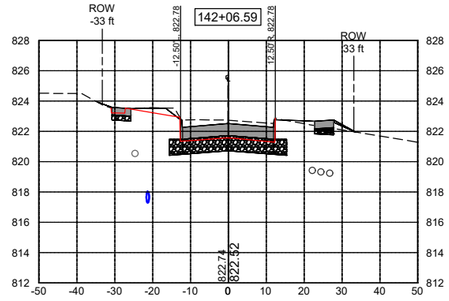
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.09

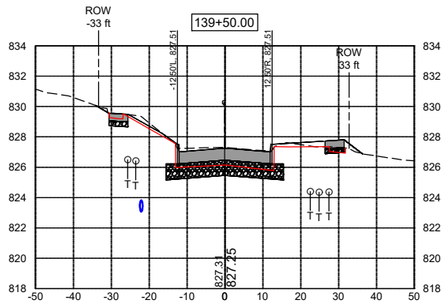
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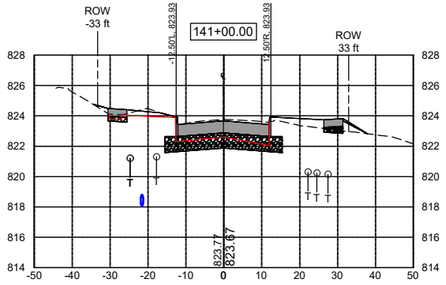
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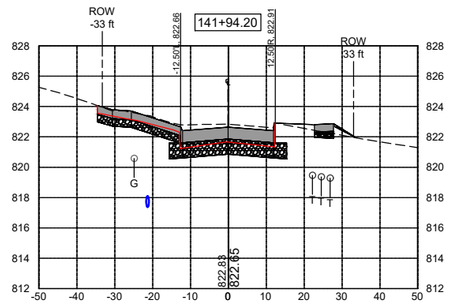


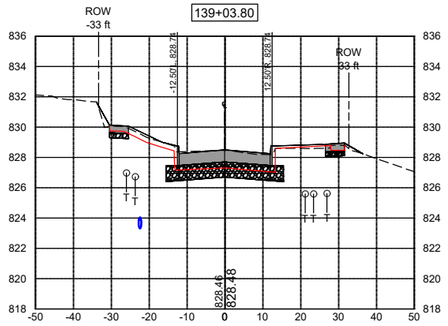


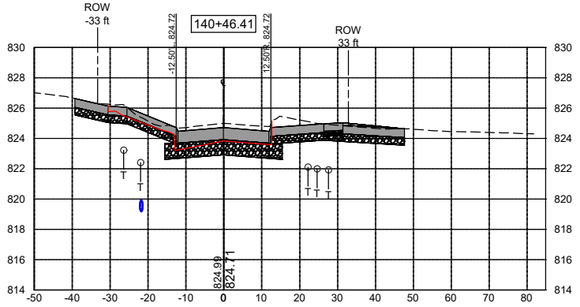


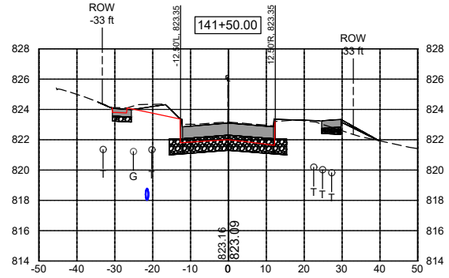










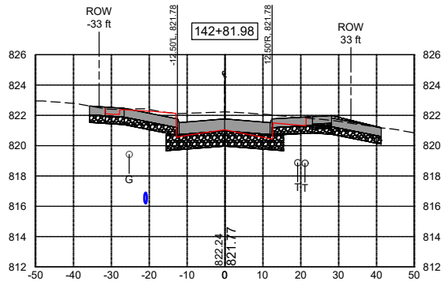


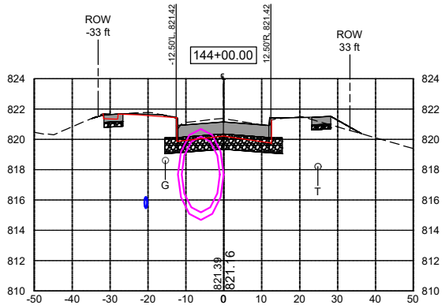
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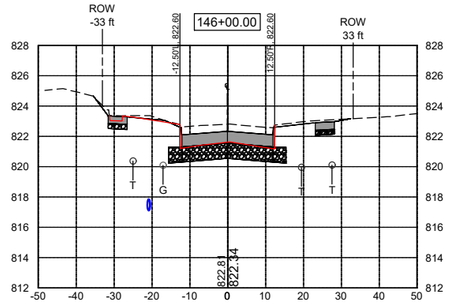
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.10	

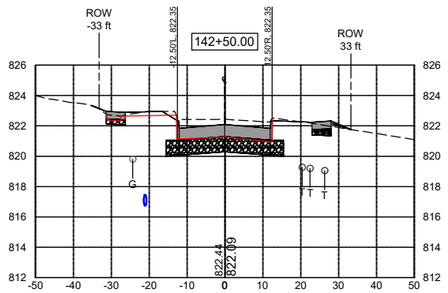
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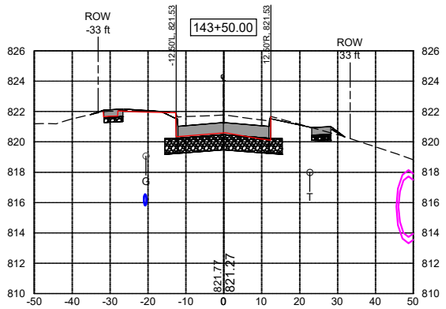
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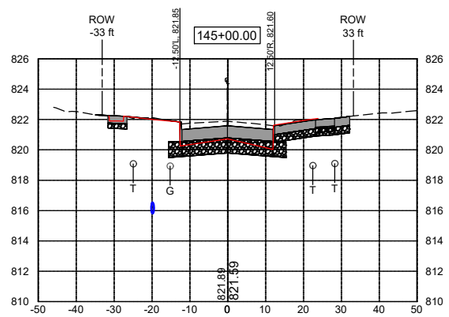


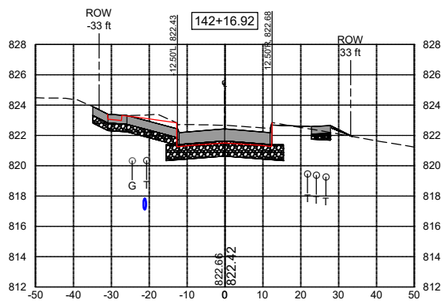


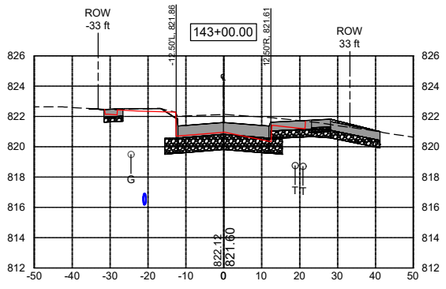


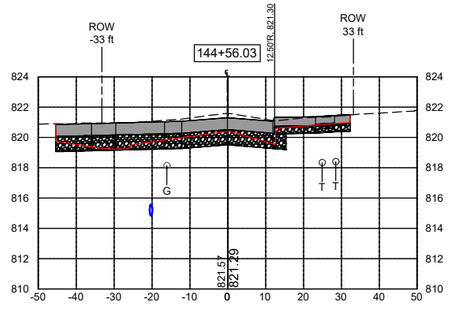










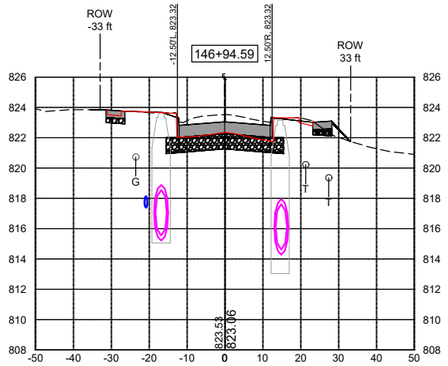


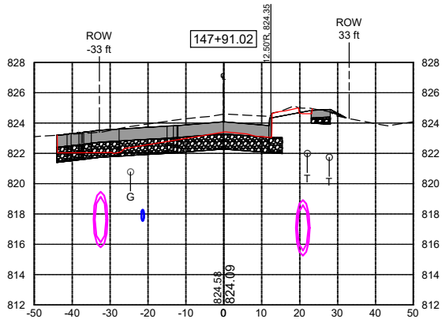
CROSS SECTIONS - HWY 1

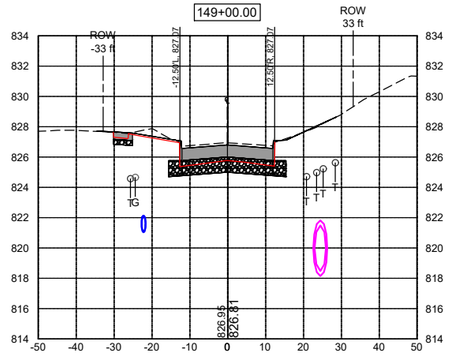
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.11

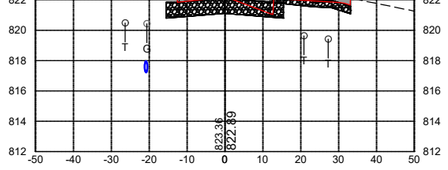
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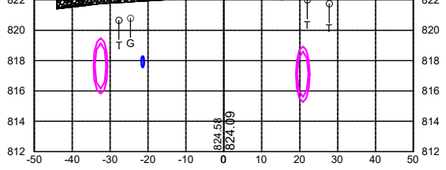
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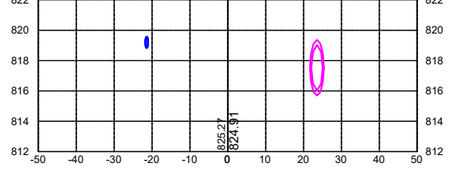


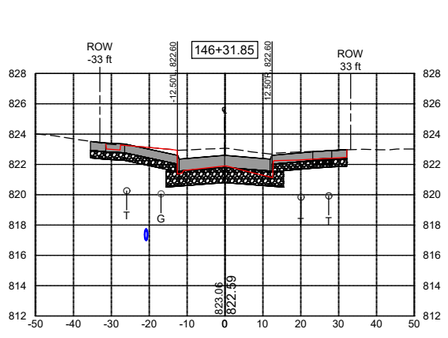


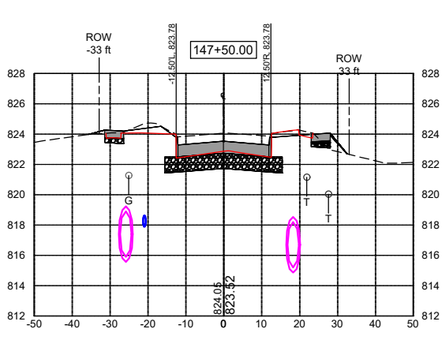


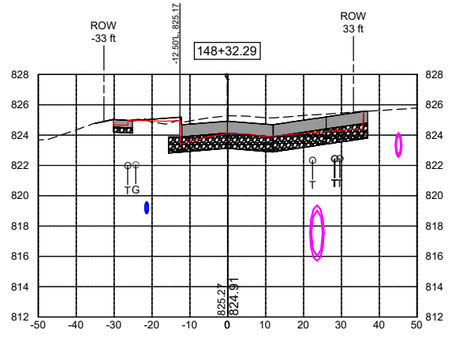










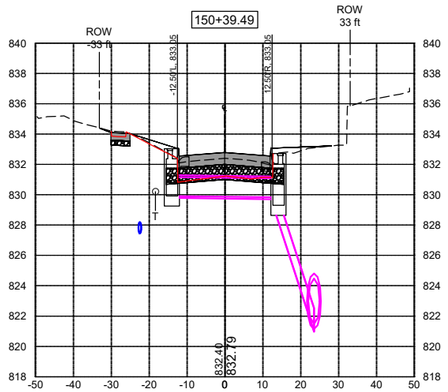


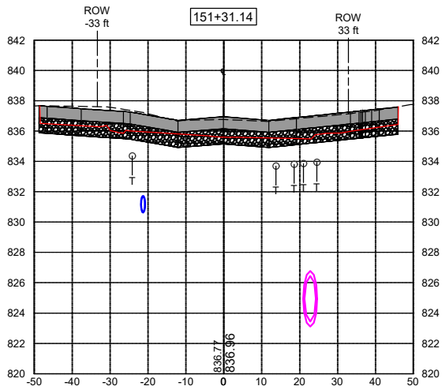
CROSS SECTIONS - HWY 1

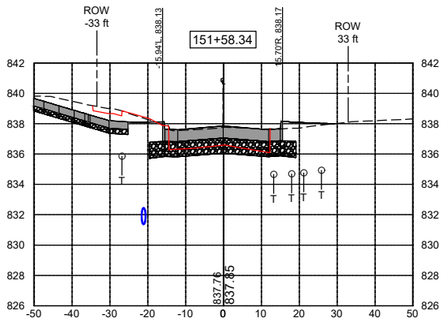
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.12	

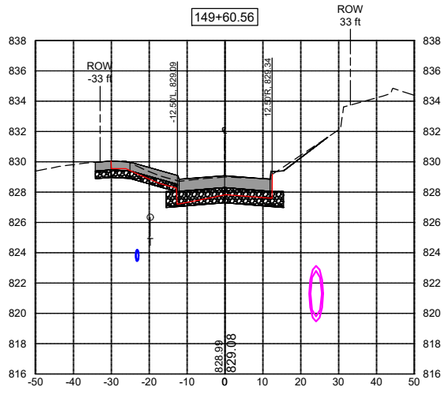
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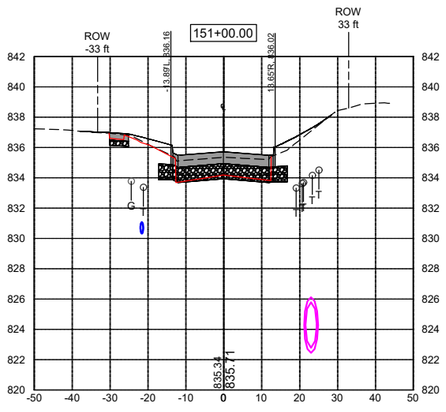
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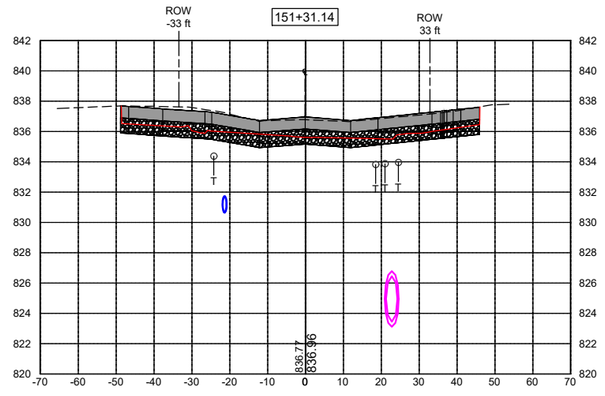








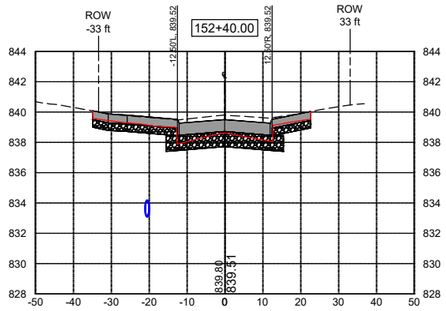


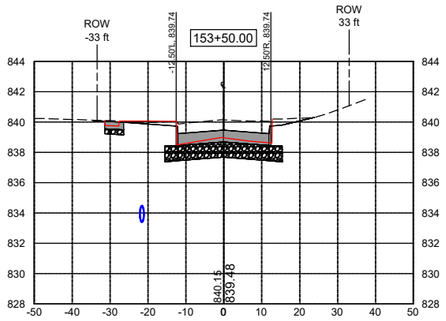


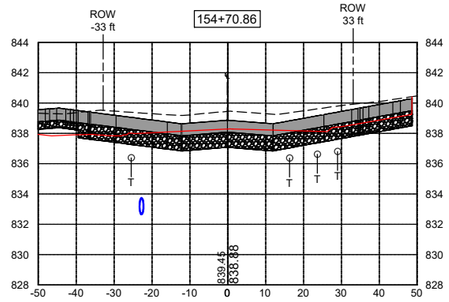
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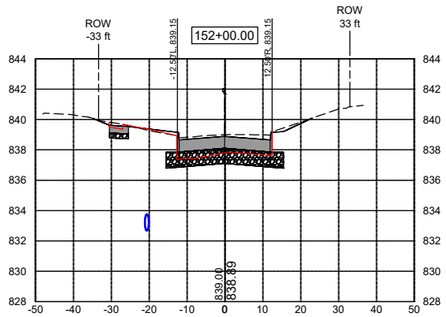
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.13

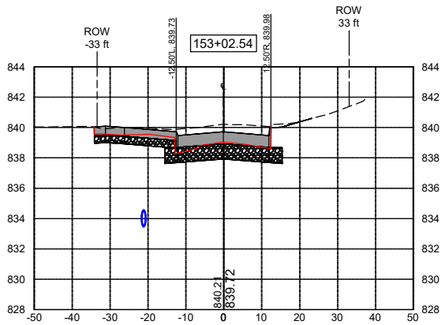
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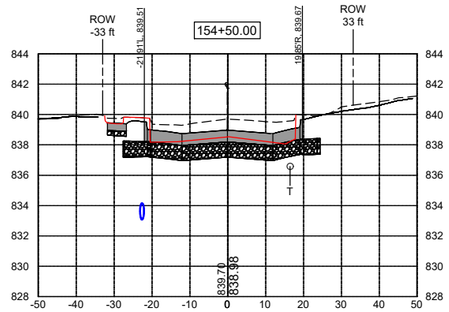


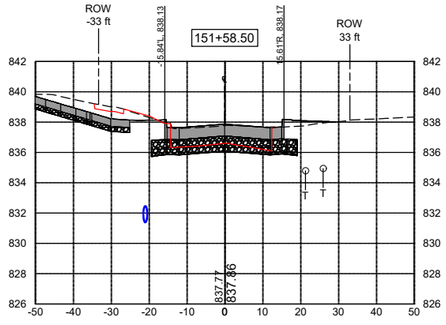


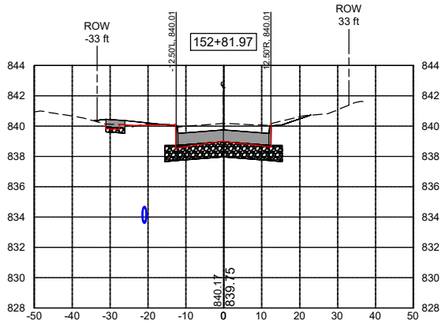


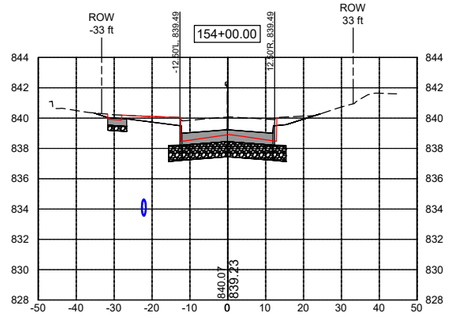










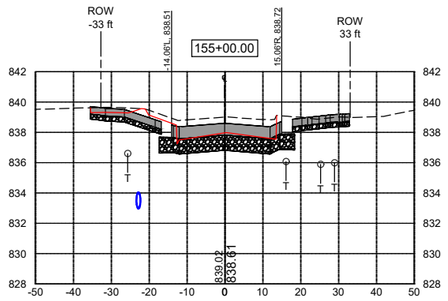


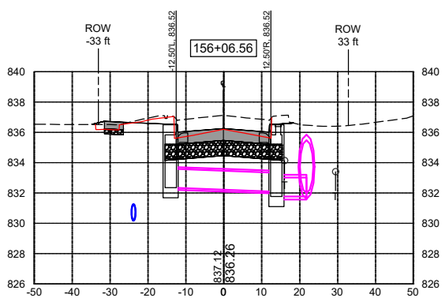
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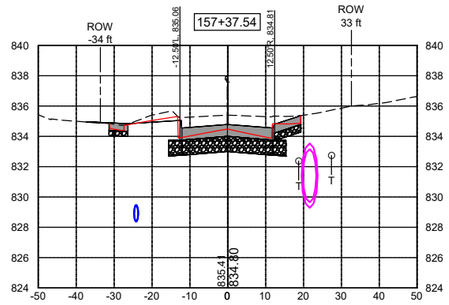
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.14	

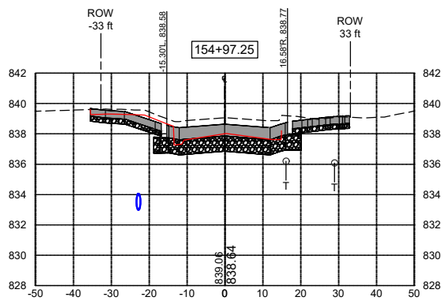
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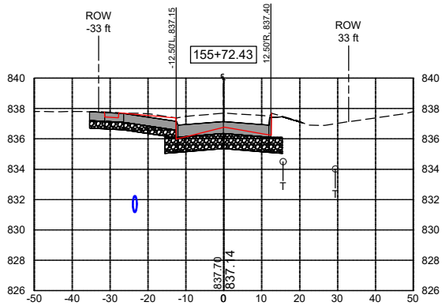
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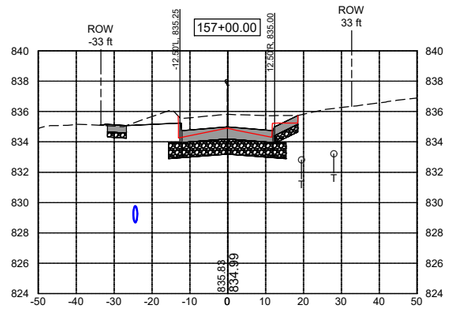


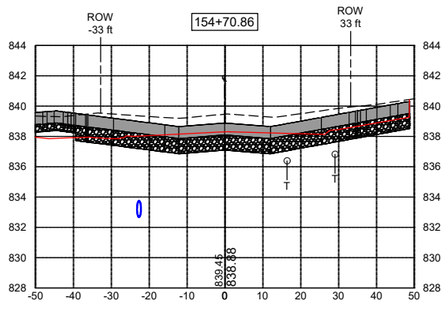


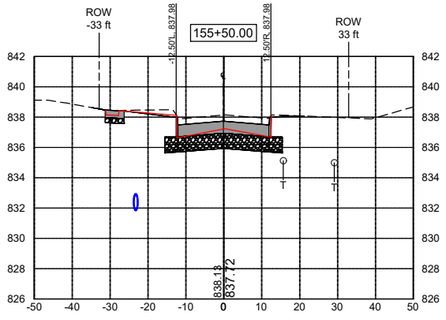


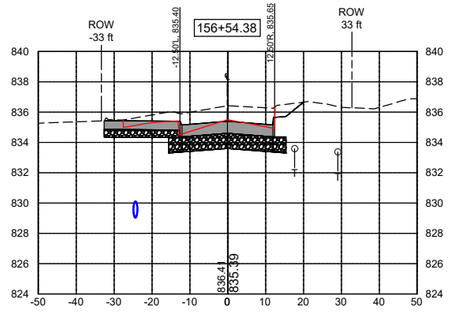










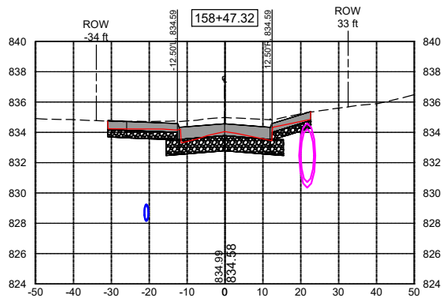


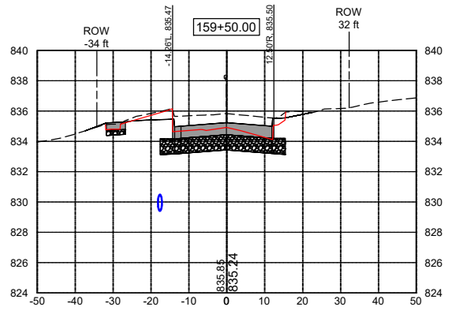
CROSS SECTIONS - HWY 1

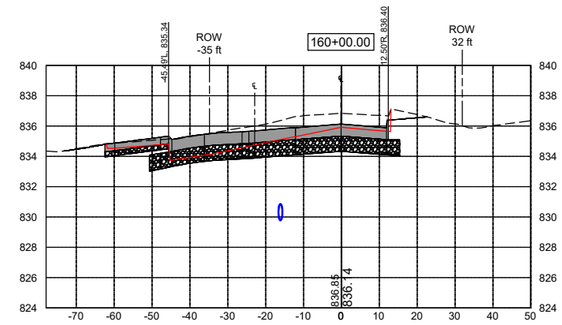
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.15

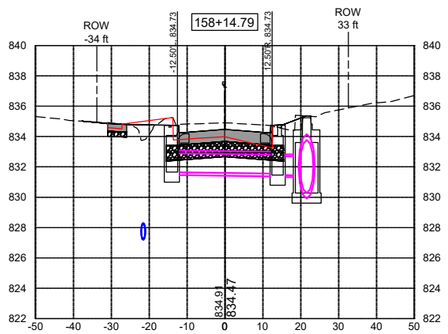
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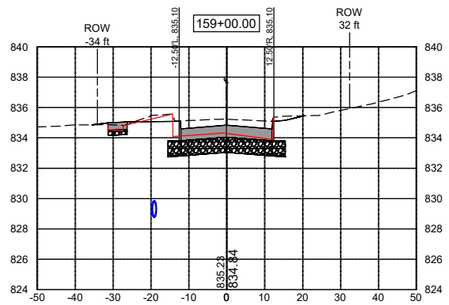
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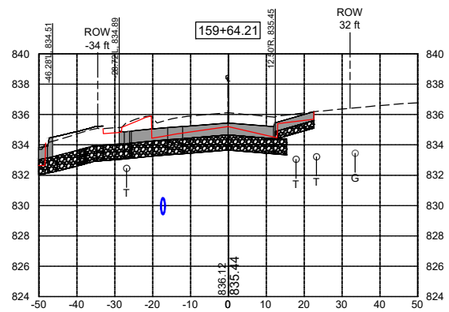


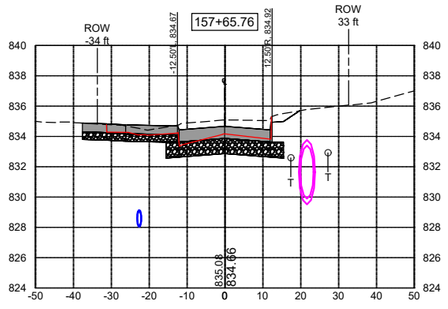


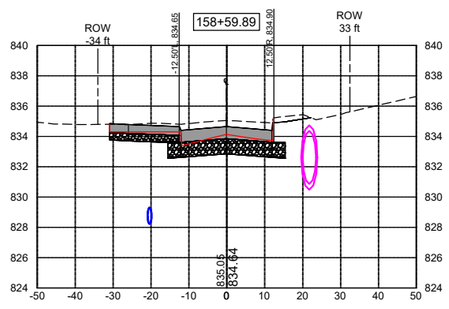


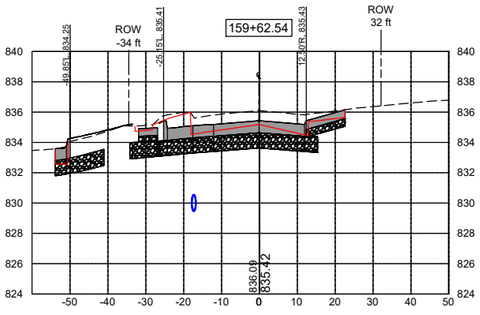










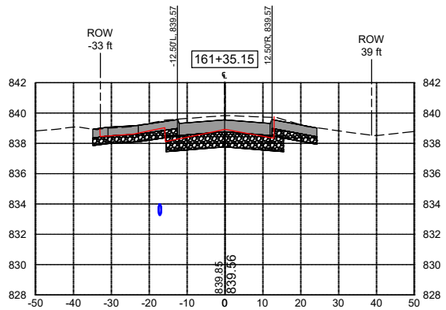


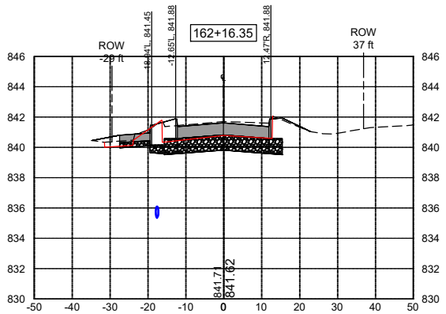
CROSS SECTIONS - HWY 1

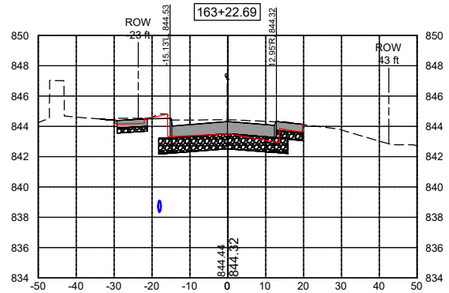
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	W.16

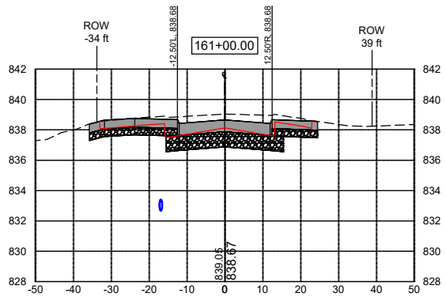
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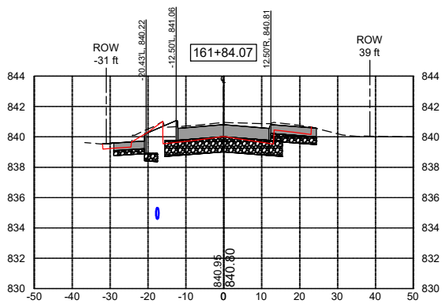
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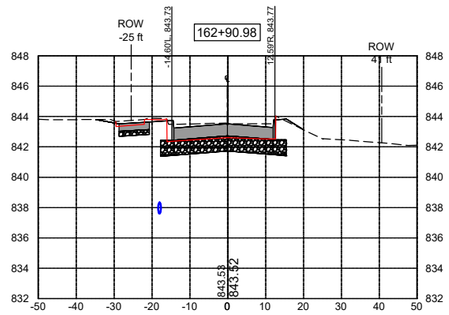


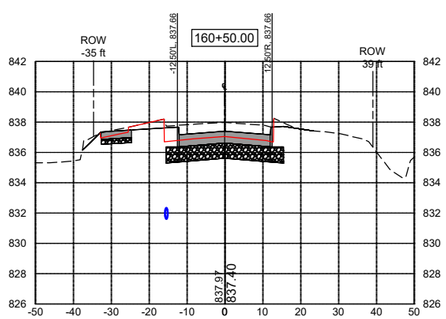


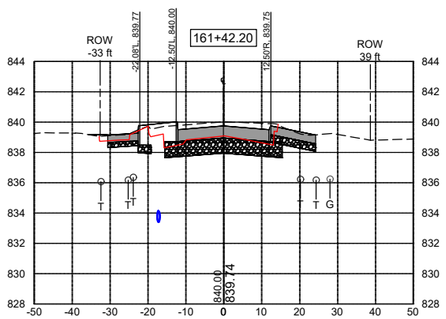


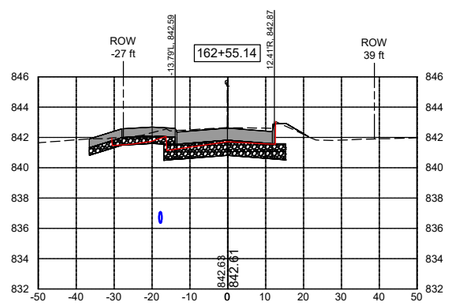










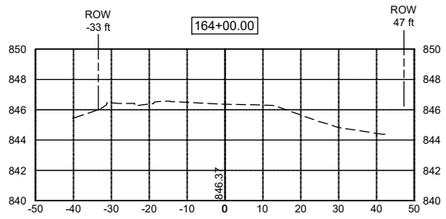


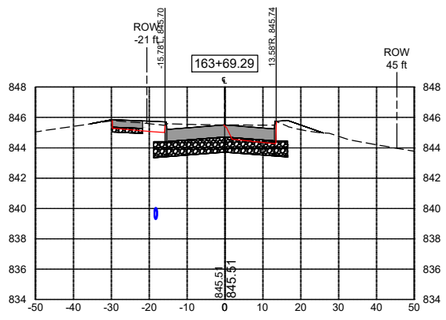
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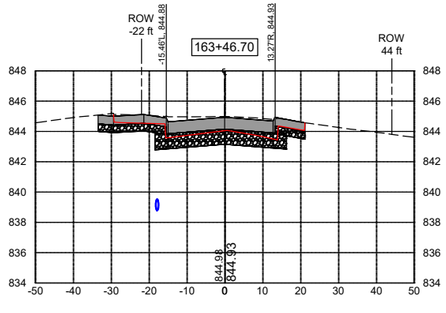
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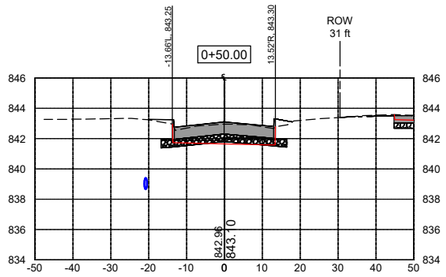


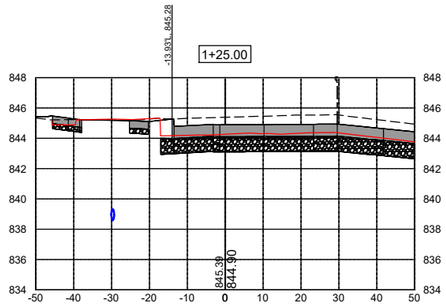


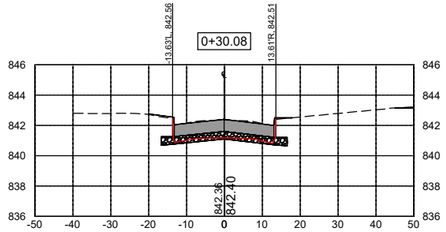
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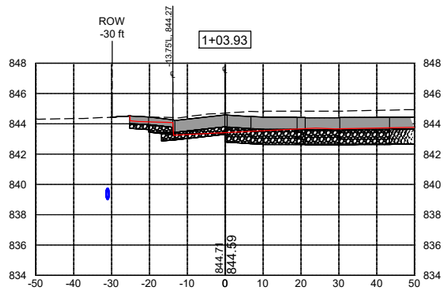
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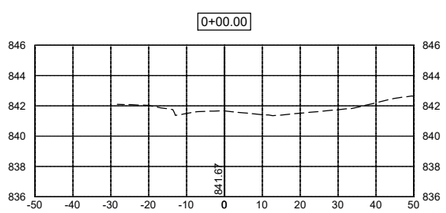
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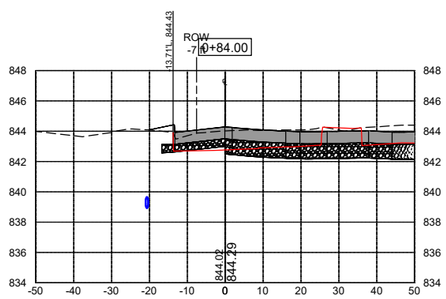


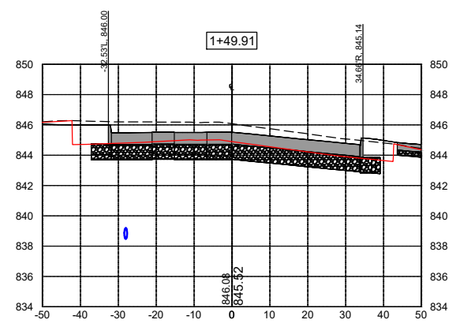










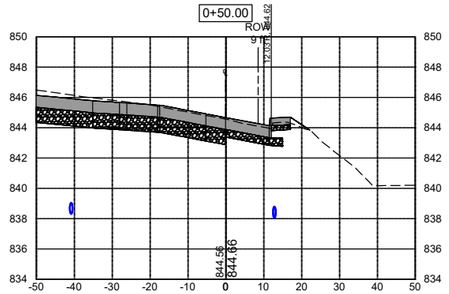


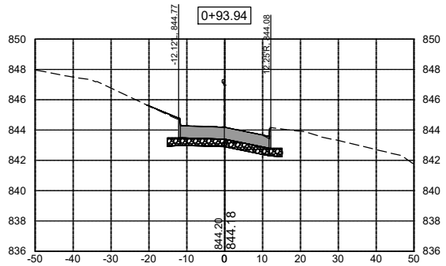
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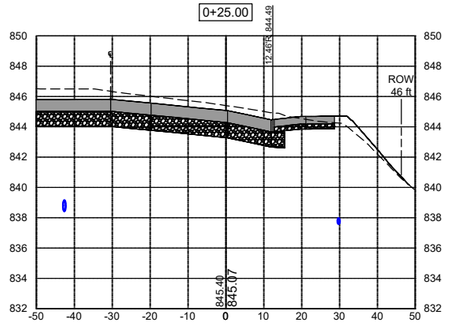
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	X.01	

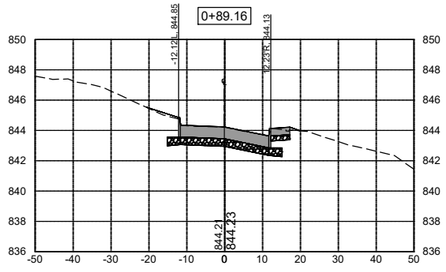
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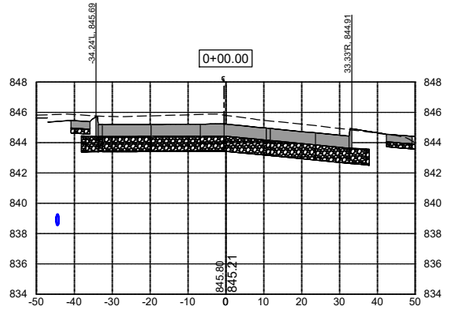
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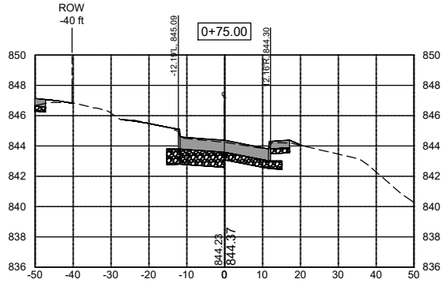


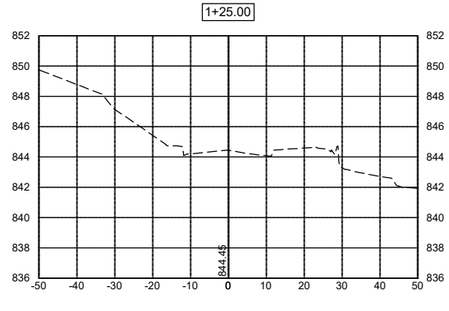








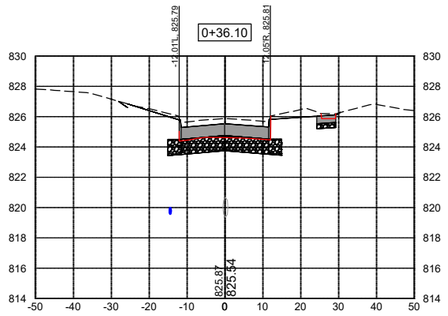


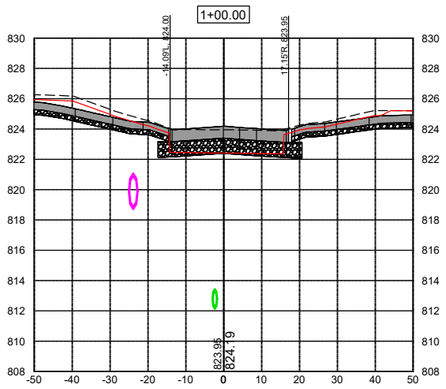


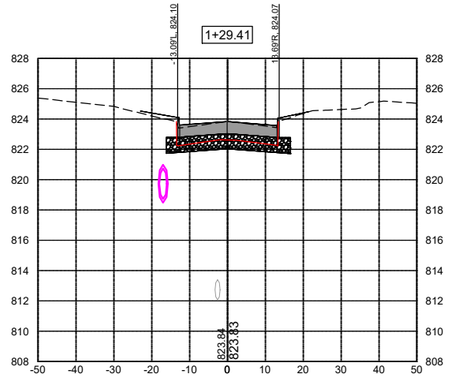
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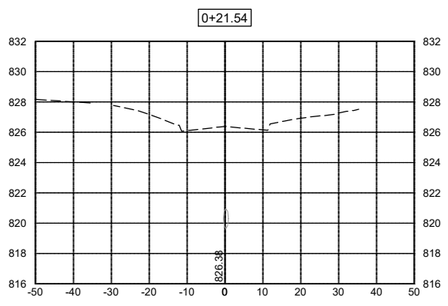
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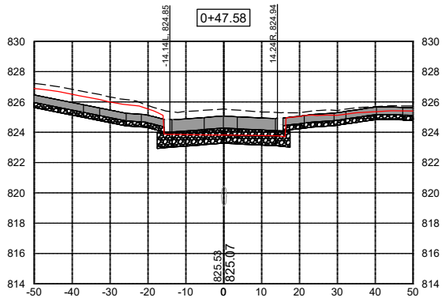
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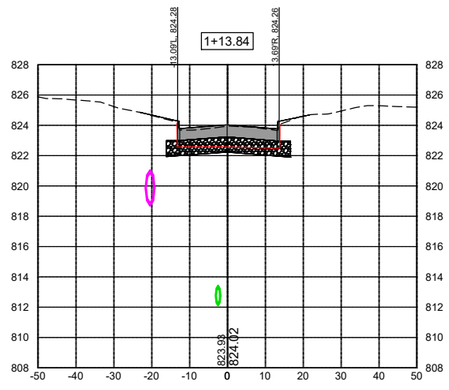










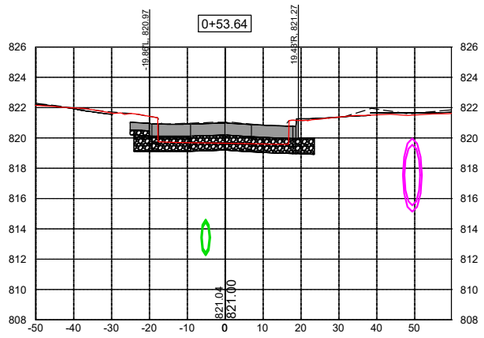


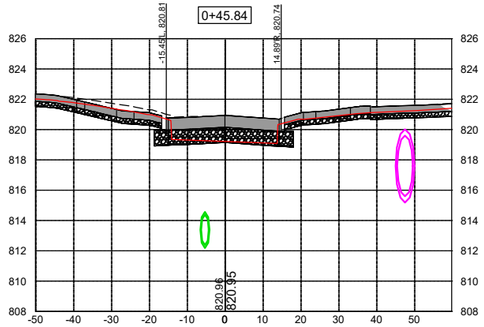
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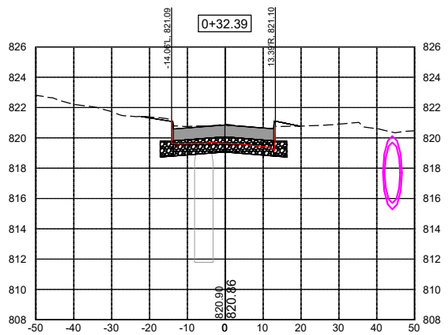
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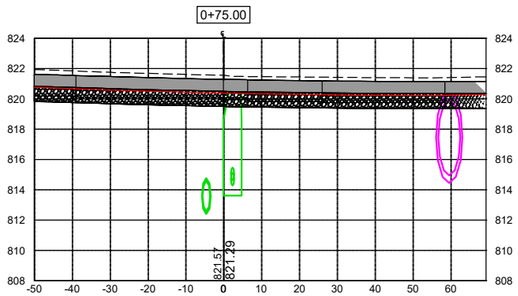
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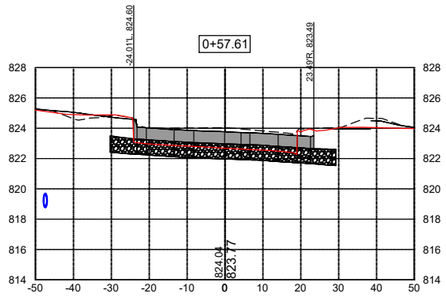


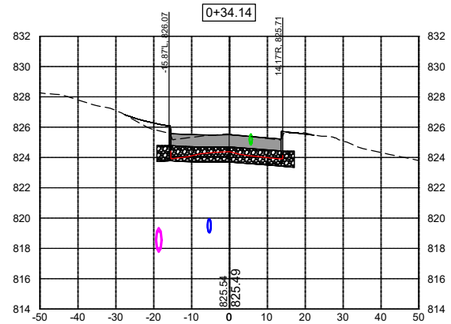
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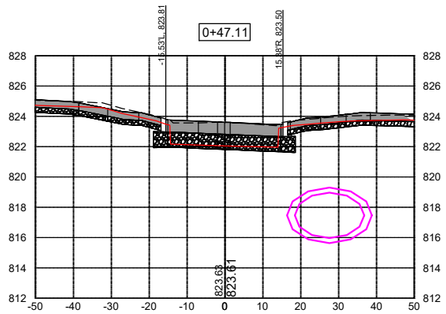
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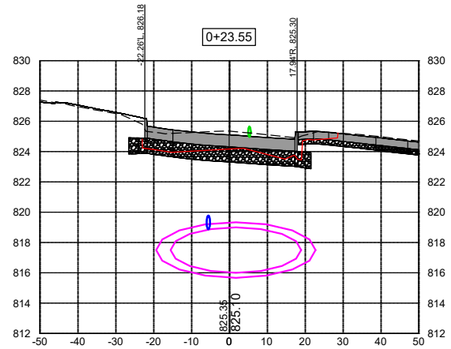
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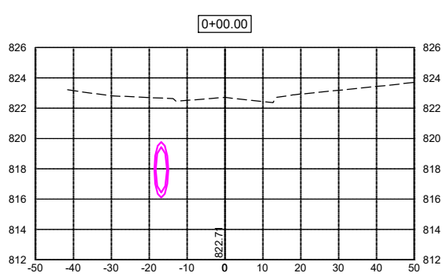
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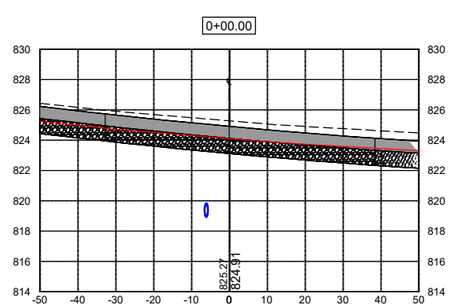


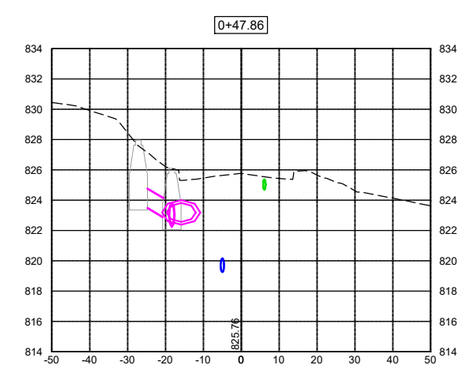










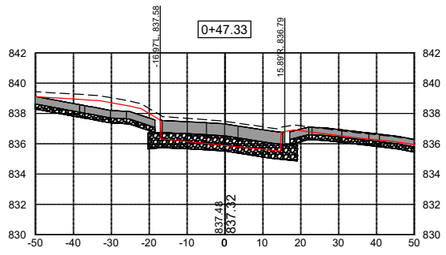


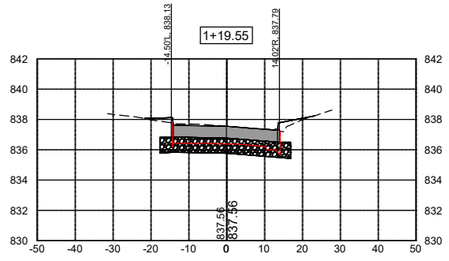
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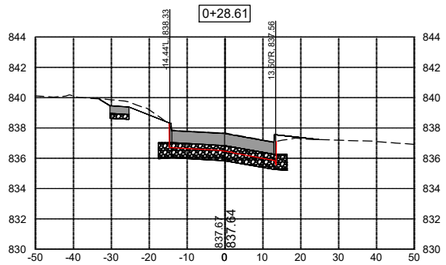
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	X.05	

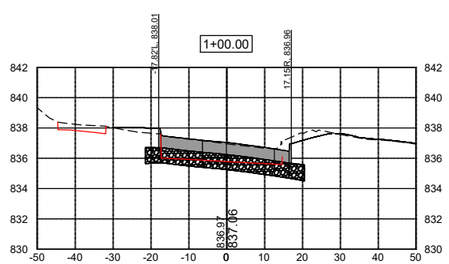
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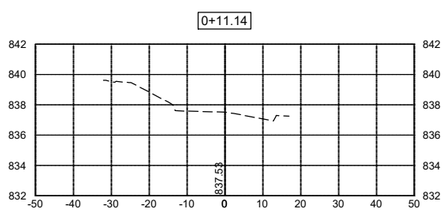
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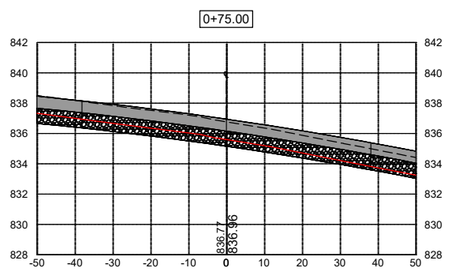


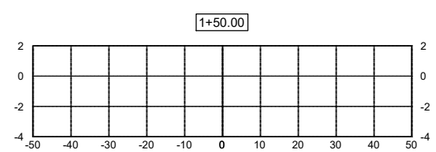










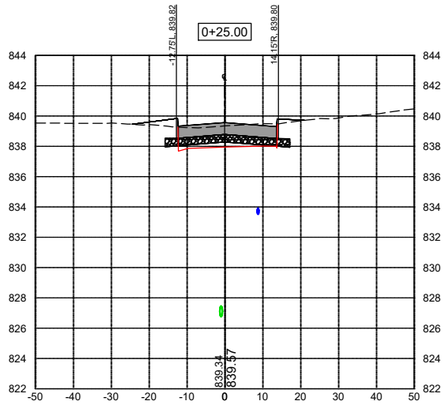


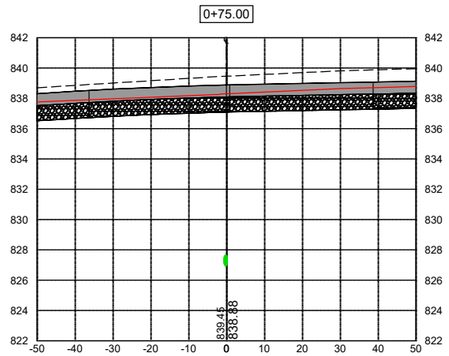
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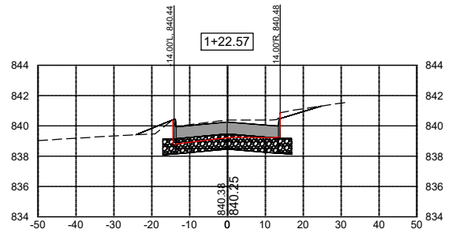
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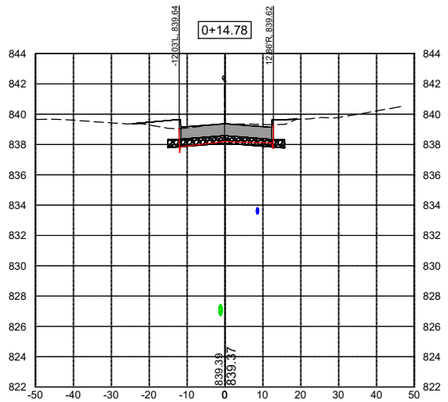
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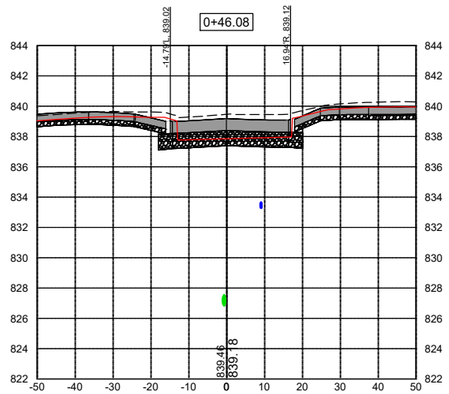
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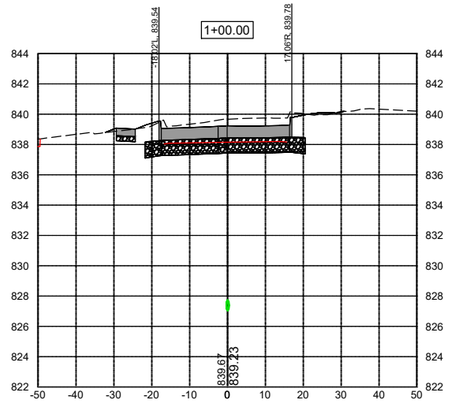










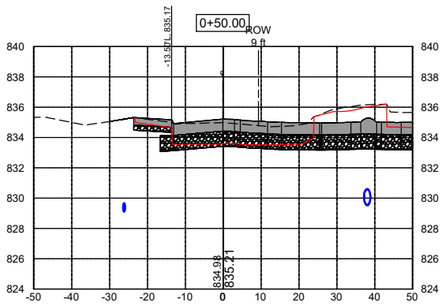


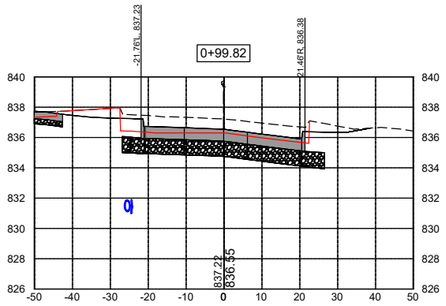
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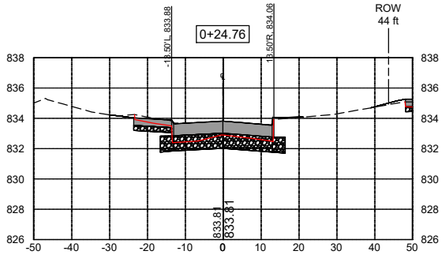
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	X.07	

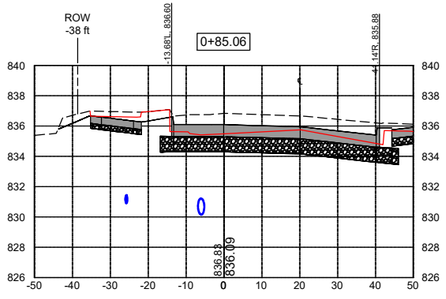
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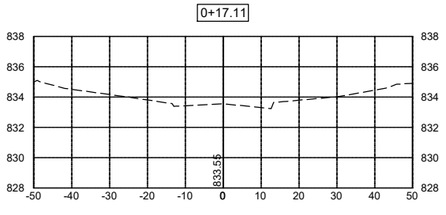
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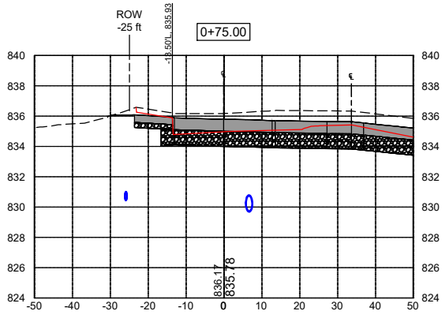








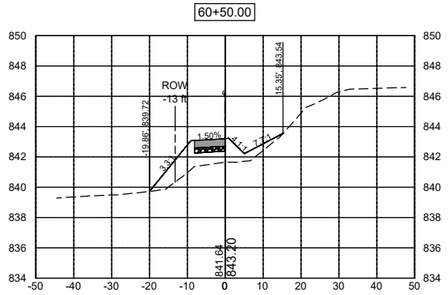


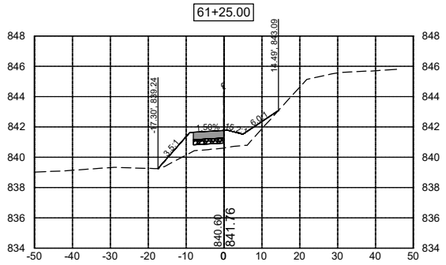


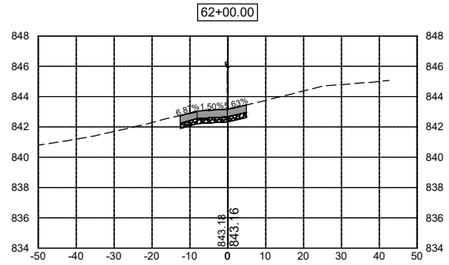
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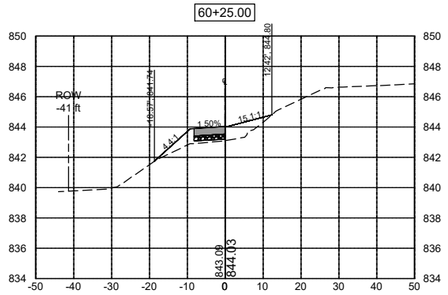
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER X.08	

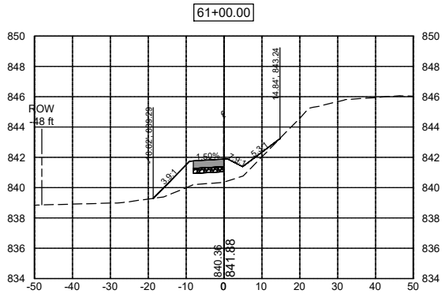
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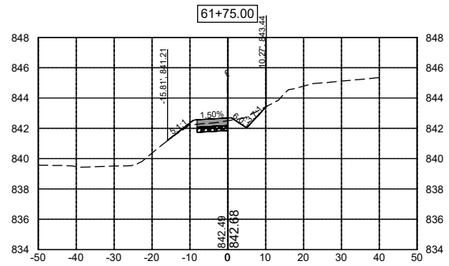


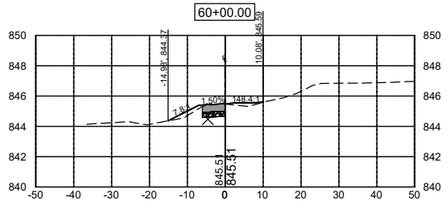


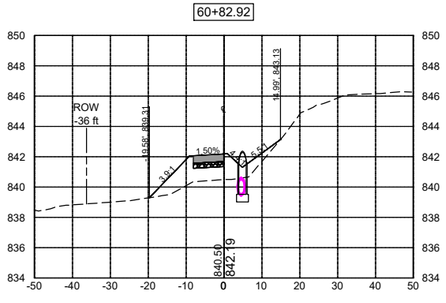


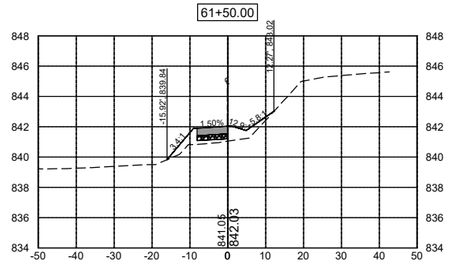










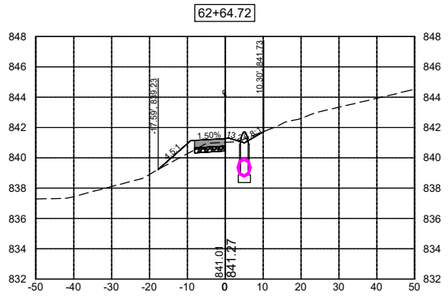


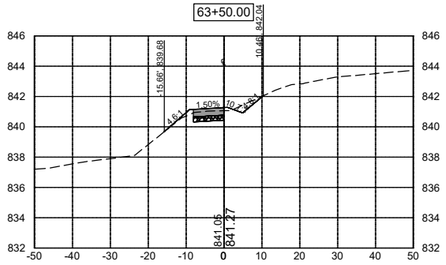
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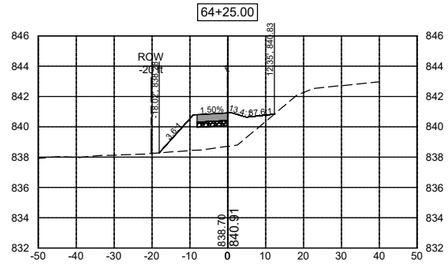
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	Y.01	

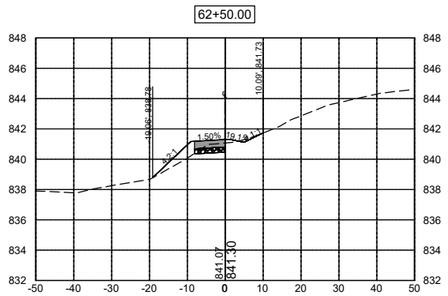
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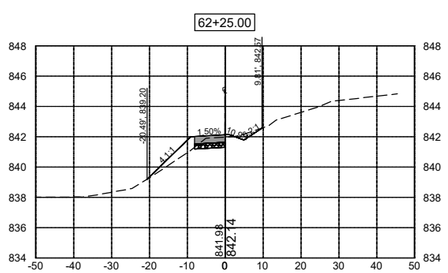
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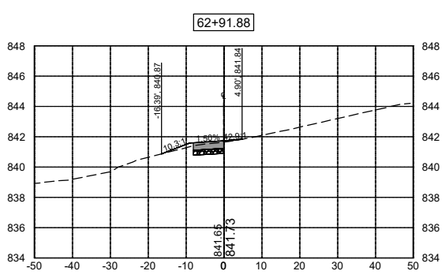


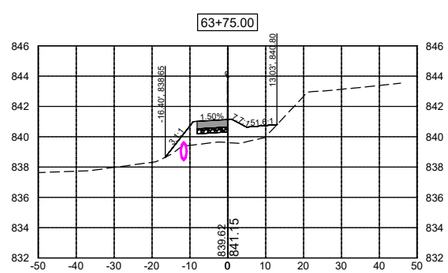










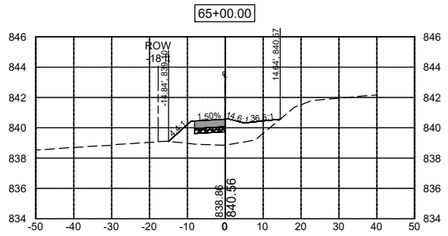


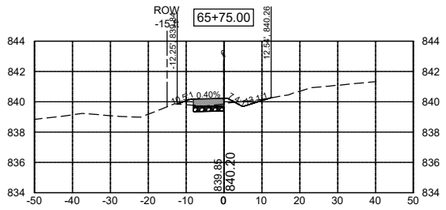
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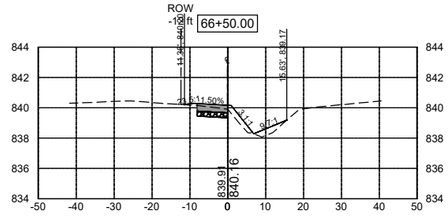
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	Y.02	

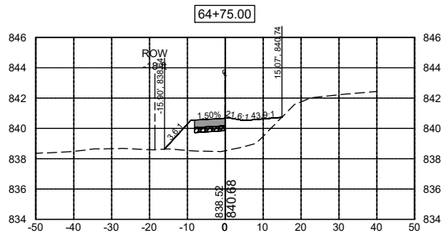
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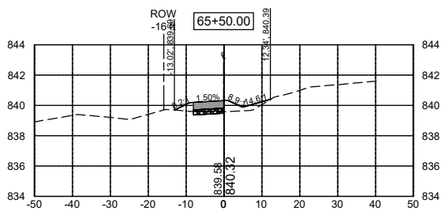
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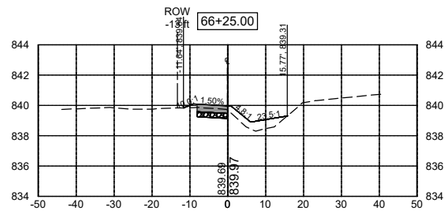


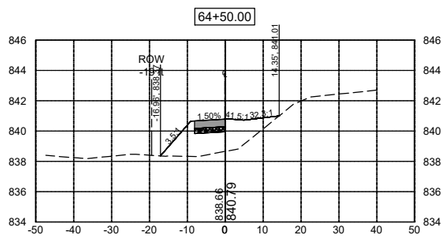


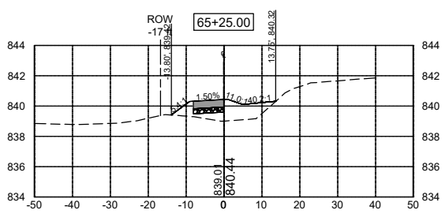


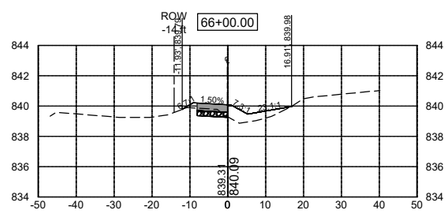










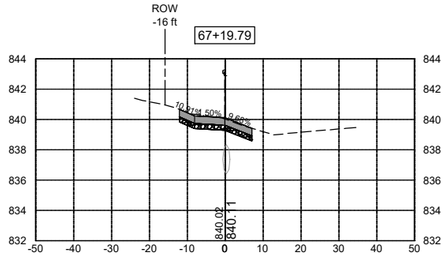


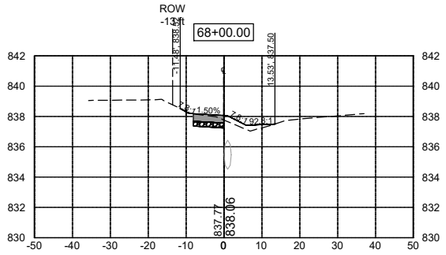
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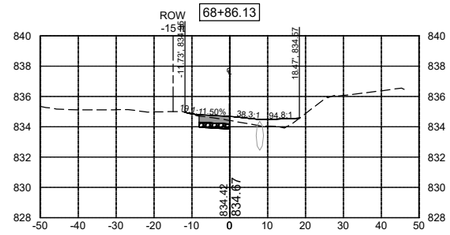
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	Y.03	

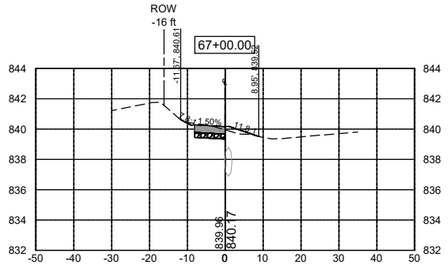
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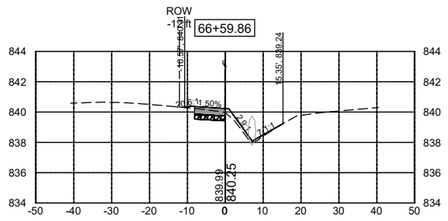
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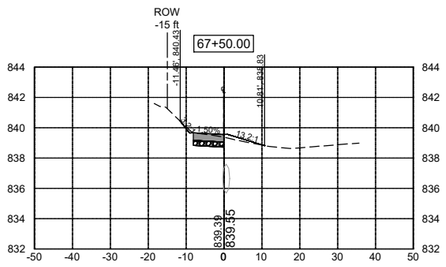


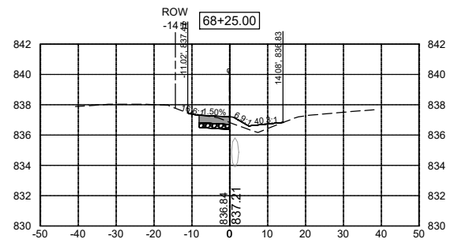










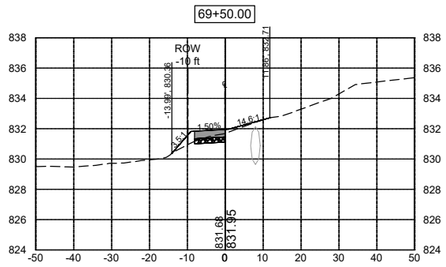


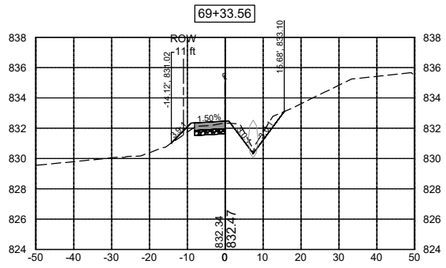
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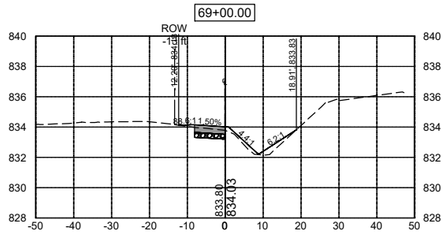
FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	Y.04	

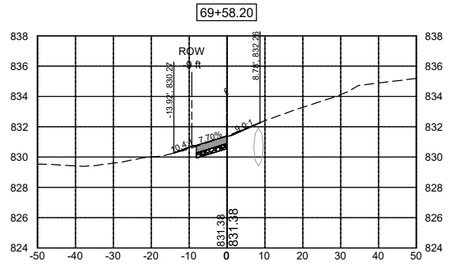
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CROSS SECTION - TRAIL

FILE NO.	ENGLISH	DESIGN TEAM	VEENSTRA & KIMM, INC.	LINN	COUNTY	PROJECT NUMBER	NHSX-001-6(044)--3H-57, NHSN-001-6(045)--2R-57	SHEET NUMBER	Y.05	

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