

C:\Users\zknapp\Documents\Shive-Hattery, Inc-\2240016730 Gaines St and W 2nd St\Project Files\Shive-Hattery\1_Civil\A.01 Title Sheet.dwg

PCC PAVEMENT - GRADE AND REPLACE
HDP-1827(703)--71-82

SCOTT COUNTY

LETTING DATE:
June 16, 2026

This project is covered by Iowa Department of Natural Resources NPDES General Permit No. 2. The Contractor shall carry out the terms and conditions of General Permit No. 2 and the storm water pollution prevention plan which is part of these contract documents. Refer to Section 2602 of the Standard Specifications for additional information.

REFER TO SHEET C.1 FOR A LISTING OF APPLICABLE STANDARD ROAD PLANS.

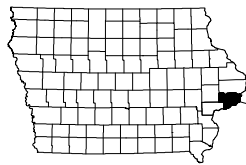
UTILITY NOTE

THE LOCATIONS OF UTILITY MAINS, STRUCTURES, AND SERVICE CONNECTIONS PLOTTED ON THIS DRAWING ARE APPROXIMATE ONLY AND WERE OBTAINED FROM RECORDS MADE AVAILABLE TO SHIVE-HATTERY, INC.

Project Location Map



1-800-292-8989



SCOTT COUNTY



Highway Division

PLANS OF PROPOSED IMPROVEMENTS ON THE

URBAN ROAD SYSTEM

CITY OF DAVENPORT SCOTT COUNTY

IOWA DOT PROJECT NO. HDP-1827(703)--71-82

PCC PAVEMENT - GRADE AND REPLACE

IN THE CITY OF DAVENPORT, RAISE AND RECONSTRUCT THE 2ND STREET AND GAINES STREET INTERSECTION BY 2 FEET.

REFER TO PROPOSAL FORM FOR LIST OF APPLICABLE SPECIFICATIONS



MILEAGE SUMMARY			105-1
DIV.			09-27-94
1 / 1	LOCATION	LIN. FT.	MILES
	10+26.3 to 15+55.0	528.7	0.10
	20+44.2 to 23+06.7	262.5	0.05
	31+02.5 to 36+56.4	553.9	0.10
	TOTALS	1345.1	.25

CENTENNIAL BRIDGE DESIGN DATA	
POSTED SPEED	101-5
	04-30-02
DESIGN SPEED	30 MPH
ADT	19,100

PROJECT DESIGN DATA	
POSTED SPEED - GAINES STREET & 2ND STREET	101-5
	04-30-02
DESIGN SPEED	30 MPH
ADT	6,300

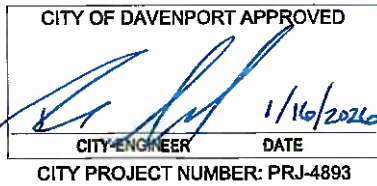


222 Third Avenue SE Suite 300 | Cedar Rapids, Iowa 52406
319.364.0227 | fax 319.364.4251 | shive-hattery.com

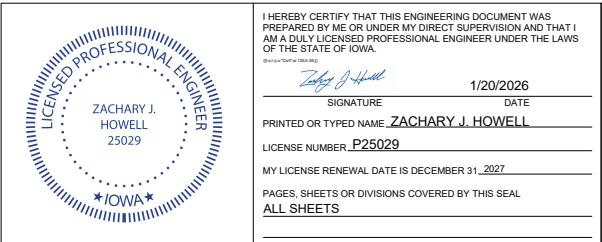
TOTAL SHEETS: 71

Index of Sheets

A.01	TITLE SHEET
A.02	LEGEND AND NOTES
B.01 - B.02	TYPICAL SECTIONS
B.03 - B.04	DETAILS
C.01 - C.15	TABULATIONS
C.16 - C.17	POLLUTION PREVENTION PLAN
D.01	MAINLINE PLAN AND PROFILE SHEETS
E.01 - E.02	SIDE ROAD PLAN AND PROFILE SHEETS
G.01	SURVEY SHEET
H.01	RIGHT-OF-WAY SHEET
J.01	TRAFFIC CONTROL AND STAGING SHEET
J.02	DETOUR PLAN
K.01 - K.02	INTERSECTION SHEETS
L.01 - L.10	GEOMETRIC AND STAKING SHEETS
L.11	JOINTING PLAN
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M.01 - M.02	STORM SEWER SHEETS
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R.01	REMOVAL SHEETS
RR.01	STORM WATER SITE MAP
S.01 - S.02	SIDEWALK COMPLIANCE PLANS
S.03 - S.07	SIDEWALK COMPLIANCE TABULATIONS
W.01 - W.02	GAINES STREET CROSS SECTIONS
X.01 - X.04	2ND STREET CROSS SECTIONS



CIVIL ENGINEER



S-H Project Number: 2240016730

FINAL PLANS - 1/20/2026

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GENERAL NOTES

1. ALL MATERIALS AND CONSTRUCTION SHALL BE IN ACCORDANCE WITH IOWA DOT STANDARD SPECIFICATIONS FOR HIGHWAY CONSTRUCTION (LATEST EDITION).
2. IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES VERBAL NOTICE TO IOWA ONE-CALL 1-800-292-8989, NOT LESS THAN 48 HOURS BEFORE EXCAVATING, EXCLUDING WEEKENDS AND HOLIDAYS
3. NOTIFY THE CITY OF DAVENPORT A MINIMUM OF 48 HOURS PRIOR TO BEGINNING CONSTRUCTION WITHIN PUBLIC RIGHT-OF-WAY.
4. THE CONTRACTOR SHALL PROVIDE TRAFFIC AND PEDESTRIAN CONTROL MEASURES (SIGNS, BARRICADES, FLAGGERS, ETC.) IN COMPLIANCE WITH PART VI OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD) LATEST EDITION.
5. THE CONTRACTOR SHALL PROVIDE ALL NECESSARY EROSION CONTROL MEASURES AND MAINTAIN THEM THROUGHOUT THE DURATION OF THE PROJECT.
6. CONSTRUCTION ACTIVITIES ARE TO BE LIMITED TO THE EXISTING RIGHT-OF-WAY, RIGHT OF ACCESS AREAS, AND ADJACENT EASEMENT AREAS. IF ADDITIONAL AREAS ARE NEEDED FOR STAGING, STORAGE, ETC., IT IS THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN WRITTEN PERMISSION FROM THE PROPERTY OWNER(S). COPIES OF THE AGREEMENTS SHALL BE SUBMITTED TO THE CITY OF DAVENPORT PRIOR TO THE USE OF PROPERTY.
7. IT IS THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN EXISTING FIELD CONDITIONS BEFORE BIDDING ON THIS PROJECT, ORDERING MATERIALS, AND BEGINNING CONSTRUCTION.
8. CONTRACTOR SHALL COORDINATE WITH PRIVATE UTILITIES REGARDING RELOCATION, ADJUSTMENT OR TEMPORARY SUPPORT OF THEIR FACILITIES.
9. MAINTAIN POSITIVE DRAINAGE ON THE SITE THROUGHOUT THE PROJECT DURATION.
10. SITE CLEAN-UP SHALL BE PERFORMED ON A DAILY BASIS. SIDEWALKS, PARKING LOTS, ROADWAYS, ETC. SHALL BE KEPT CLEAN AT ALL TIMES. CONTROL DUST SPREADING FROM ALL WORK AND STAGING AREAS.
11. KEEP ADJACENT PUBLIC STREETS FREE FROM SOIL AND DEBRIS GENERATED BY THE PROJECT.
12. PROTECT ALL EXISTING FEATURES (INCLUDING BUT NOT LIMITED TO WALLS, TREES, LANDSCAPING, DRIVEWAYS, SIDEWALKS, CURBS, PAVEMENT, UTILITIES, ETC.) NOT SPECIFICALLY NOTED FOR REMOVAL. FEATURES NOT DESIGNATED FOR REMOVAL THAT ARE DAMAGED OR REMOVED BY THE CONTRACTOR SHALL BE REPLACED BY THE CONTRACTOR AT THE CONTRACTOR'S EXPENSE.
13. THE MEANS AND METHODS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
14. NO WORK SHALL BE PERFORMED BEYOND THE PROJECT LIMITS WITHOUT PRIOR AUTHORIZATION FROM THE OWNER'S REPRESENTATIVE.
15. MAINTAIN ACCESS TO PROPERTIES ALONG THIS PROJECT AT ALL TIMES.












GENERAL UTILITY NOTES

1. ABANDONED UTILITIES NOT SHOWN ON THE PLANS MAY EXIST WITHIN THE CONSTRUCTION LIMITS. IF ENCOUNTERED, CONTRACTOR SHALL CONFIRM SAID UTILITIES ARE ABANDONED. CONTRACTOR IS RESPONSIBLE FOR REMOVING THESE LINES AS NECESSARY FOR CONSTRUCTION.
2. CONTRACTOR SHALL VERIFY SANITARY AND STORM SEWER PIPE SIZES AND INVERTS PRIOR TO CONSTRUCTION AND PRIOR TO ORDERING MANHOLES AND/OR PIPE. NO ADDITIONAL PAYMENT SHALL BE MADE TO THE CONTRACTOR FOR MATERIAL THAT IS ORDERED AND DOES NOT MATCH PIPE SIZES AND INVERTS THAT ARE TO BE CONFIRMED PRIOR TO CONSTRUCTION.
3. REPAIR ALL FIELD/DRAIN TILES ENCOUNTERED DURING CONSTRUCTION AS SPECIFIED OR AT A MINIMUM TO ALLOW FLOW USING LIKE MATERIAL IN NEW CONDITION WITH CITY APPROVED CONNECTIONS. CONTRACTOR SHALL RECORD EXISTING TYPE, SIZE, LOCATION AND DEPTH OF ALL FIELD/DRAIN TILES ENCOUNTERED AND REPAIRED DURING CONSTRUCTION. PROVIDE DATA TO THE CITY FOR INCORPORATION INTO RECORD DRAWINGS.
4. TRAFFIC AND STREET LIGHTING WIRING IS SHALLOWER THAN LEGAL BURY DEPTH AND SHALL BE TAKEN INTO CONSIDERATION PRIOR TO SAWCUTTING OR REMOVALS.







UTILITY CONTACTS

<u>CITY OF DAVENPORT</u> FIRE: BUSINESS (563) 326-7906, EMERGENCY 911 POLICE: BUSINESS (563) 326-7979, EMERGENCY 911 PUBLIC WORKS: (563) 326-7923 SANITARY & STORM: (563) 327-5199 GENESIS MEDICAL CENTER: (563) 421-3021 IOWA HOSPITAL ASSOCIATION: (515) 725-4604	<u>MIDAMERICAN ENERGY (ELECTRIC)</u> ERIK RASMUSSEN EMAIL: QCLOCATES@MIDAMERICAN.COM PHONE: 563-333-8705
<u>MIDAMERICAN ENERGY (GAS)</u> MATT KOVACIC EMAIL: MSKOVACIC@MIDAMERICAN.COM PHONE: 309-793-3704	<u>METRO FIBERNET</u> LORI KEMPER EMAIL: 811DESIGN@METRONET.COM PHONE: 812-213-1050
<u>LUMEN (CENTURY LINK)</u> SADIE HULL EMAIL: SADIE.HULL@LUMEN.COM PHONE: 918-547-0147	<u>MEDIACOM</u> CHRIS MINARD EMAIL: CMINARD@MEDIACOMCC.COM PHONE: 815-597-5103
<u>GENESEO COMMUNICATIONS</u> CHRIS DUNN EMAIL: ENGINEERING@GENESEO.COM PHONE: 309-714-2429	<u>SEGRA / UPN</u> JOE KILZER EMAIL: SEGRAGIS@SEGRAFIBER.COM PHONE: 816-425-3556
<u>IOWA AMERICAN WATER COMPANY</u> PHIL LOONEY EMAIL: PHILLIP.LOONEY@AMWATER.COM PHONE: 563-468-9222	<u>WINDSTREAM</u> STEPHEN KNESS EMAIL: STEPHEN.KNESS@UNITI.COM PHONE: 319-538-1985
	<u>BLUEBIRD</u> JAMIE SCOTT EMAIL: JAMES.SCOTT@BLUEBIRDNETWORK.COM PHONE: 314-270-8738



LEGEND

EXISTING GENERAL SITE	
PLAN MARK	DESCRIPTION
	EXISTING STRUCTURE
	BOLLARD
	SHRUB
	DECIDUOUS TREE
	CONIFEROUS TREE
	SINGLE POLE SIGN
	DOUBLE POLE SIGN
	TRAFFIC SIGNAL WITH ARM
	TREE LINE
	MINOR CONTOUR
	MAJOR CONTOUR






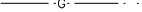










LEGEND

RIGHT-OF-WAY	
PLAN MARK	DESCRIPTION
	PROPOSED RIGHT-OF-WAY
	EXISTING RIGHT-OF-WAY
	EXISTING PROPERTY LINE
	EXISTING EASEMENT
	TEMPORARY EASMENT
	PROPOSED EASEMENT















LEGEND

GENERAL SITE GRADING / EROSION CONTROL	
PLAN MARK	DESCRIPTION
	SLOPE ARROW
	FLOW ARROW



























LEGEND

UTILITY LINES		
EXISTING LINE TYPE	DESCRIPTION	PROPOSED LINE TYPE
	ELECTRIC - OVERHEAD	
	ELECTRIC - UNDERGROUND	
	GAS MAIN	
	WATER MAIN	
	SANITARY SEWER	
	STORM SEWER	
	TELEPHONE - UNDERGROUND	
	FIBER OPTICS	

LEGEND

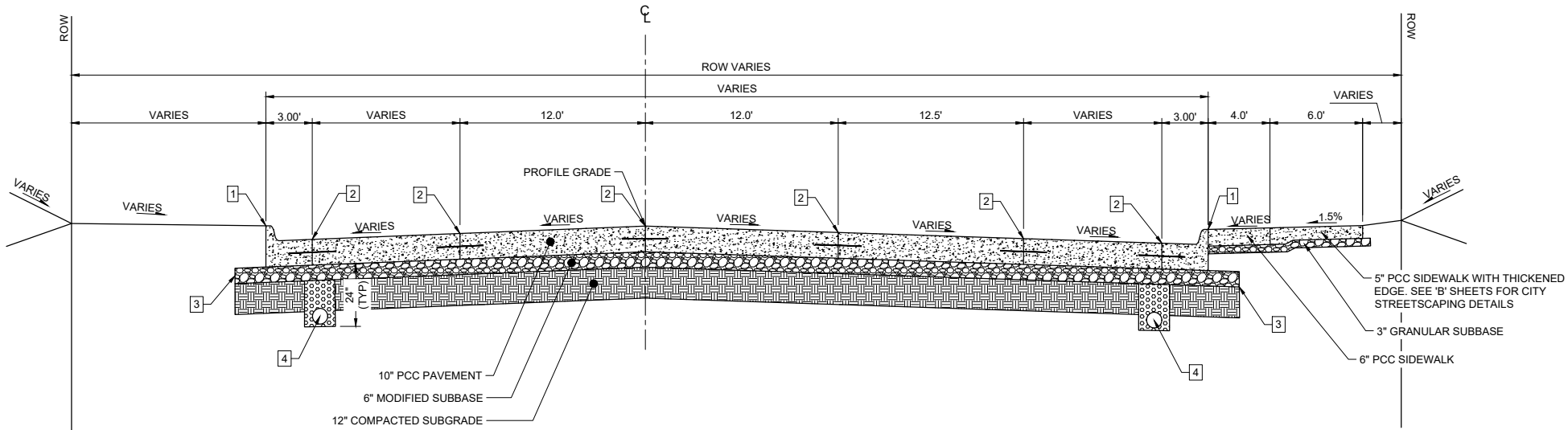
SURVEY	
PLAN MARK	DESCRIPTION
	BENCH MARK
	BOUND
	IRON ROD - FOUND
	IRON ROD - SET
	MONUMENT FOUND
	MONUMENT SET
	X CUT FOUND
	X CUT SET
	RIGHT OF WAY MARKER
	DRILL HOLE
	STATION MARKER
	SOIL BORING
	PROPERTY CORNER
	SURVEY POINT ELEVATION

LEGEND

UTILITIES	
PLAN MARK	DESCRIPTION
	WATER IRRIGATION VALVE
	UTILITY POLE W/TRANSFORMER
	WATER SHUTOFF VALVE
	GUY ANCHOR
	FIRE HYDRANT
	FLARED END SECTION
	VALVE
	CABLE TV PEDESTAL
	CLEANOUT
	JUNCTION BOX
	MANHOLE
	STORM MANHOLE
	ELECTRICAL MANHOLE
	SANITARY MANHOLE
	TELEPHONE MAN-HOLE
	TELEPHONE PEDESTAL
	VAULT BOX
	HANDHOLE
	SIGNAL BOX
	GAS METER
	ELECTRIC METER
	WATER METER
	CURB INLET
	INTAKE - CIRCLE
	INTAKE - RECTANGLE
	INTAKE - SQUARE

NOTES

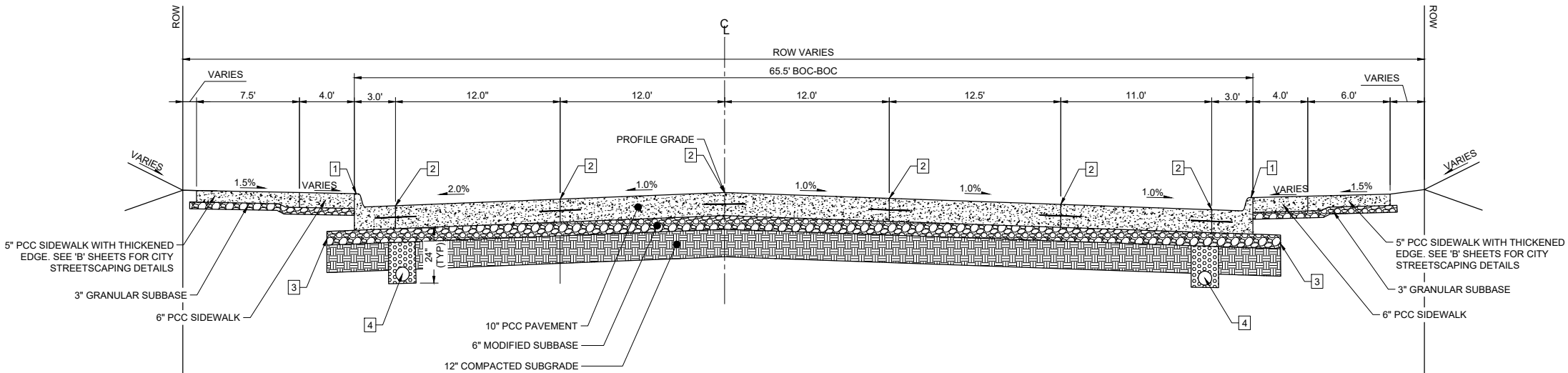
- 1 = 6" STANDARD CURB.
- 2 = BT-2 OR L-2 JOINT. BT-3 ALLOWED BASED ON PROPOSED PHASING.
- 3 = EXTEND SUBBASE 2.0' MINIMUM BEYOND BACK OF CURB AND EXTEND OVER STORM SEWER
- 4 = 6" LONGITUDINAL SUBDRAIN, TYPE 12, IOWA DOT DR-303



TYPICAL ROADWAY SECTION - GAINES STREET

NOT TO SCALE

STATION RANGES		
START STATION	END STATION	(ROW)
31+02.54	32+26.50	VARIES



TYPICAL ROADWAY SECTION - GAINES STREET

NOT TO SCALE

STATION RANGES		
START STATION	END STATION	(ROW)
32+26.50	34+83.00	VARIES

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NOTES

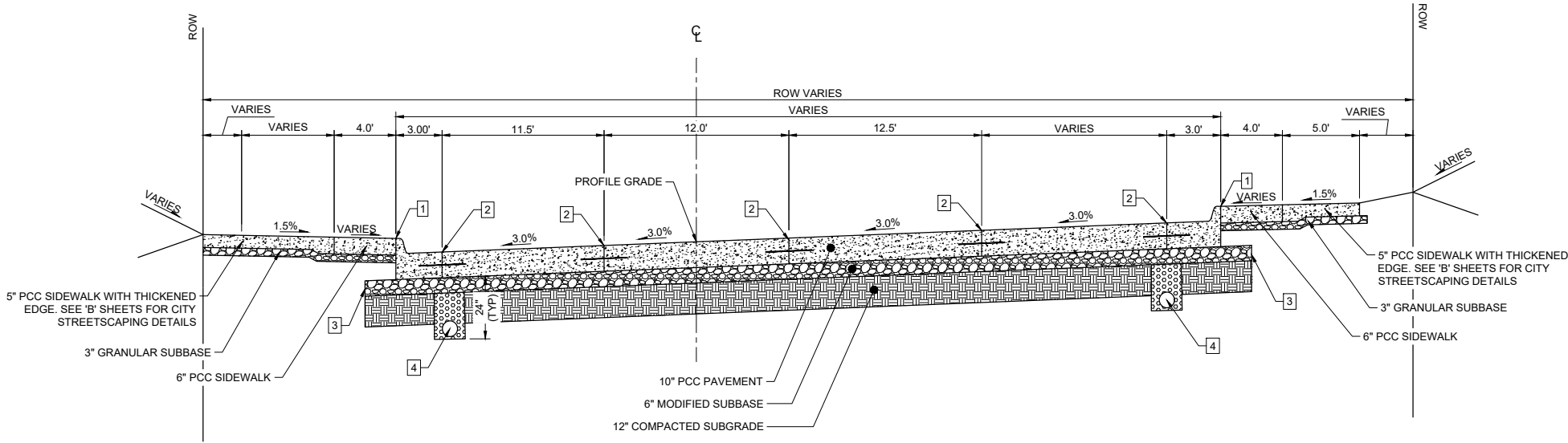
- 1

= 6" STANDARD CURB.
- 2

= BT-2 OR L-2 JOINT. BT-3 ALLOWED BASED ON PROPOSED PHASING.
- 3

= EXTEND SUBBASE 2.0' MINIMUM BEYOND BACK OF CURB AND EXTEND OVER STORM SEWER
- 4

= 6" LONGITUDINAL SUBDRAIN, TYPE 12, IOWA DOT DR-303

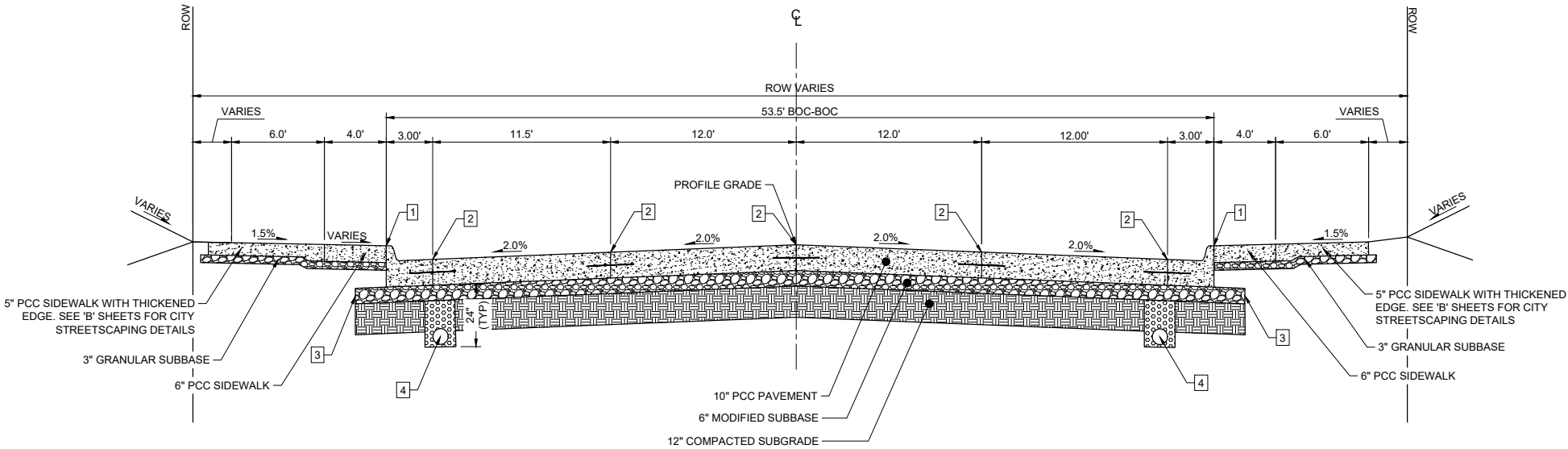


TYPICAL ROADWAY SECTION - W 2ND STREET (SUPERELEVATION)

NOT TO SCALE

STATION RANGES

START STATION	END STATION	(ROW)
11+17.67	12+82.29	VARIES

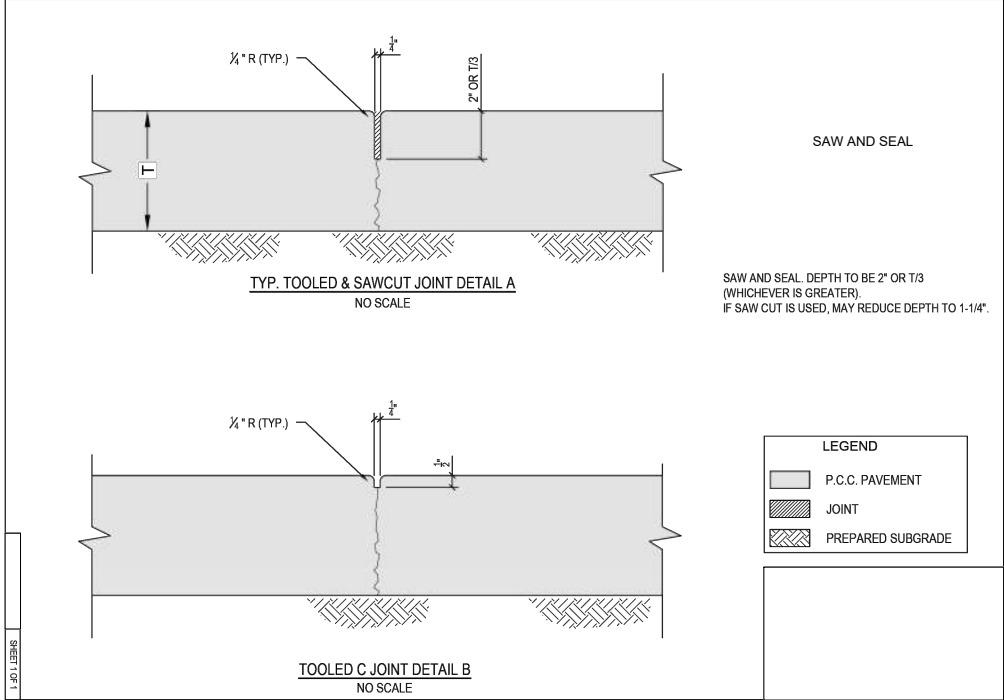


TYPICAL ROADWAY SECTION - W 2ND STREET

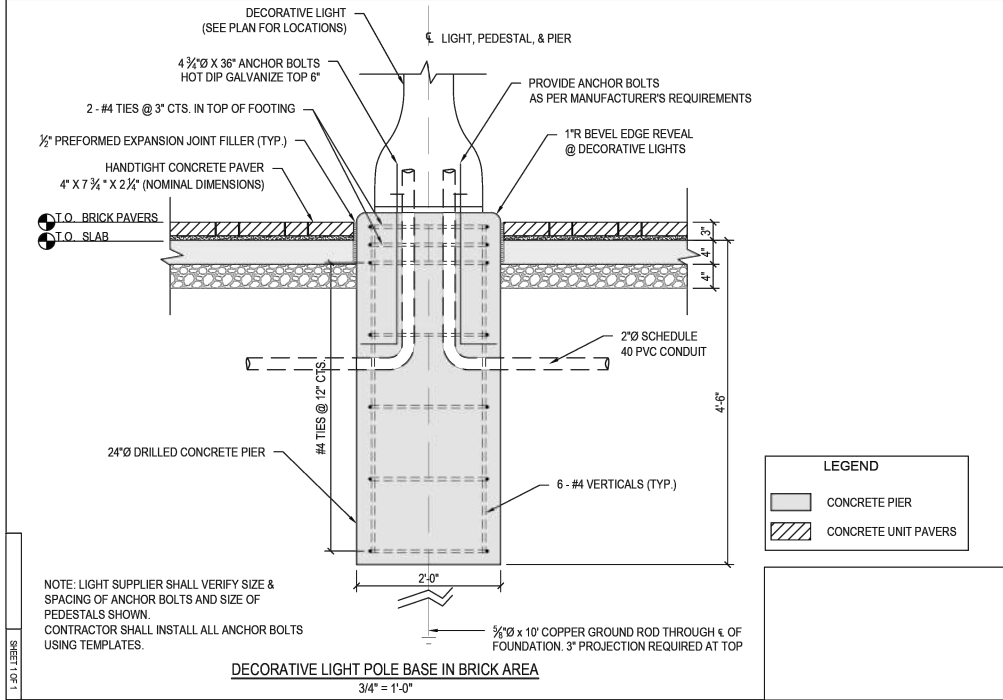
NOT TO SCALE

STATION RANGES

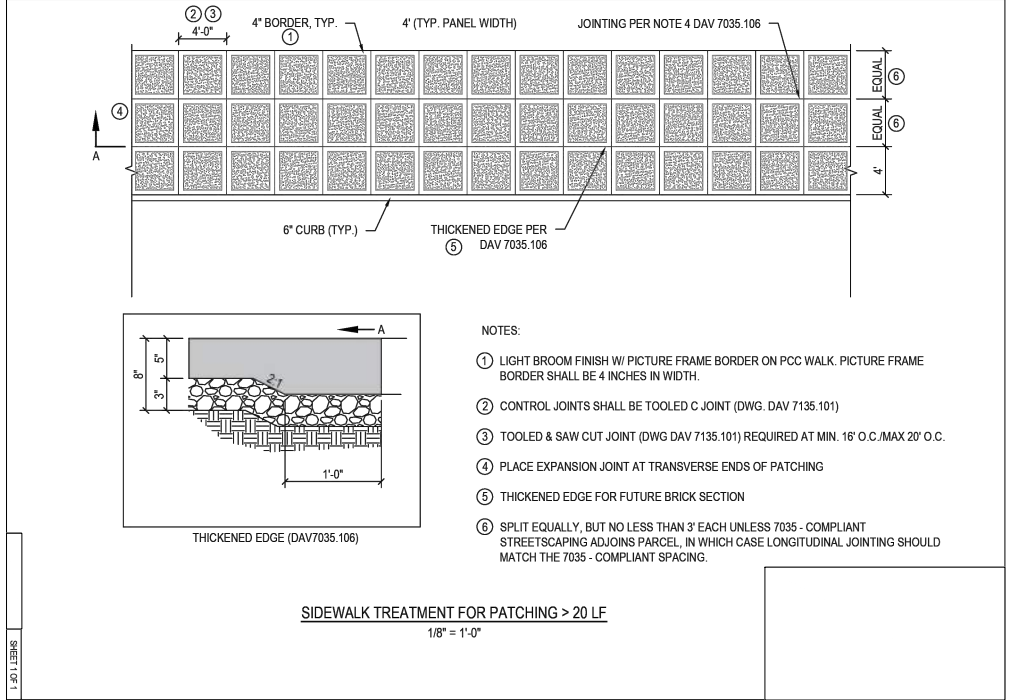
START STATION	END STATION	(ROW)
14+68.50	15+55.00	



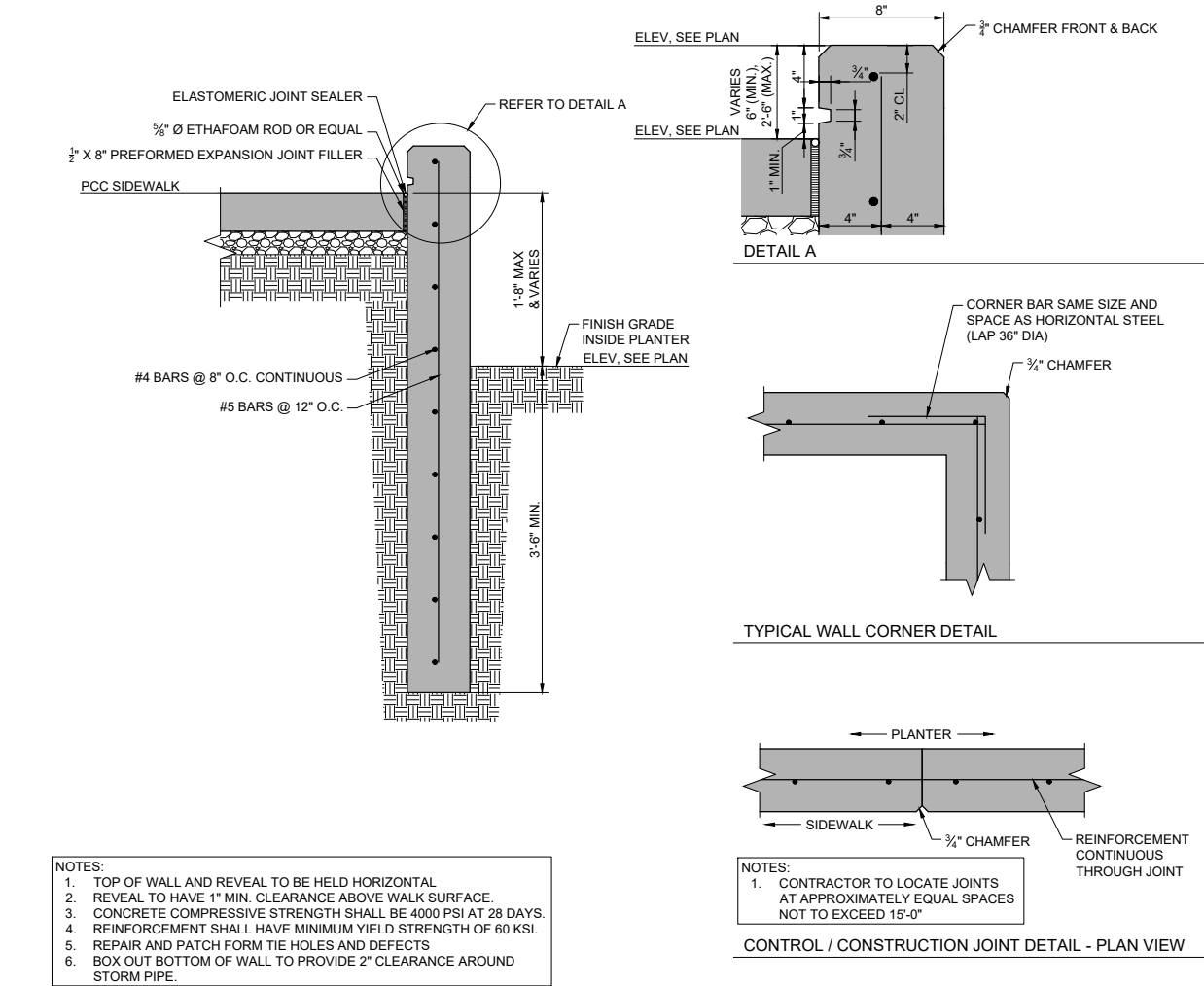
1 SIDEWALK TOOLED JOINT DETAIL - DAV7035.101
NTS



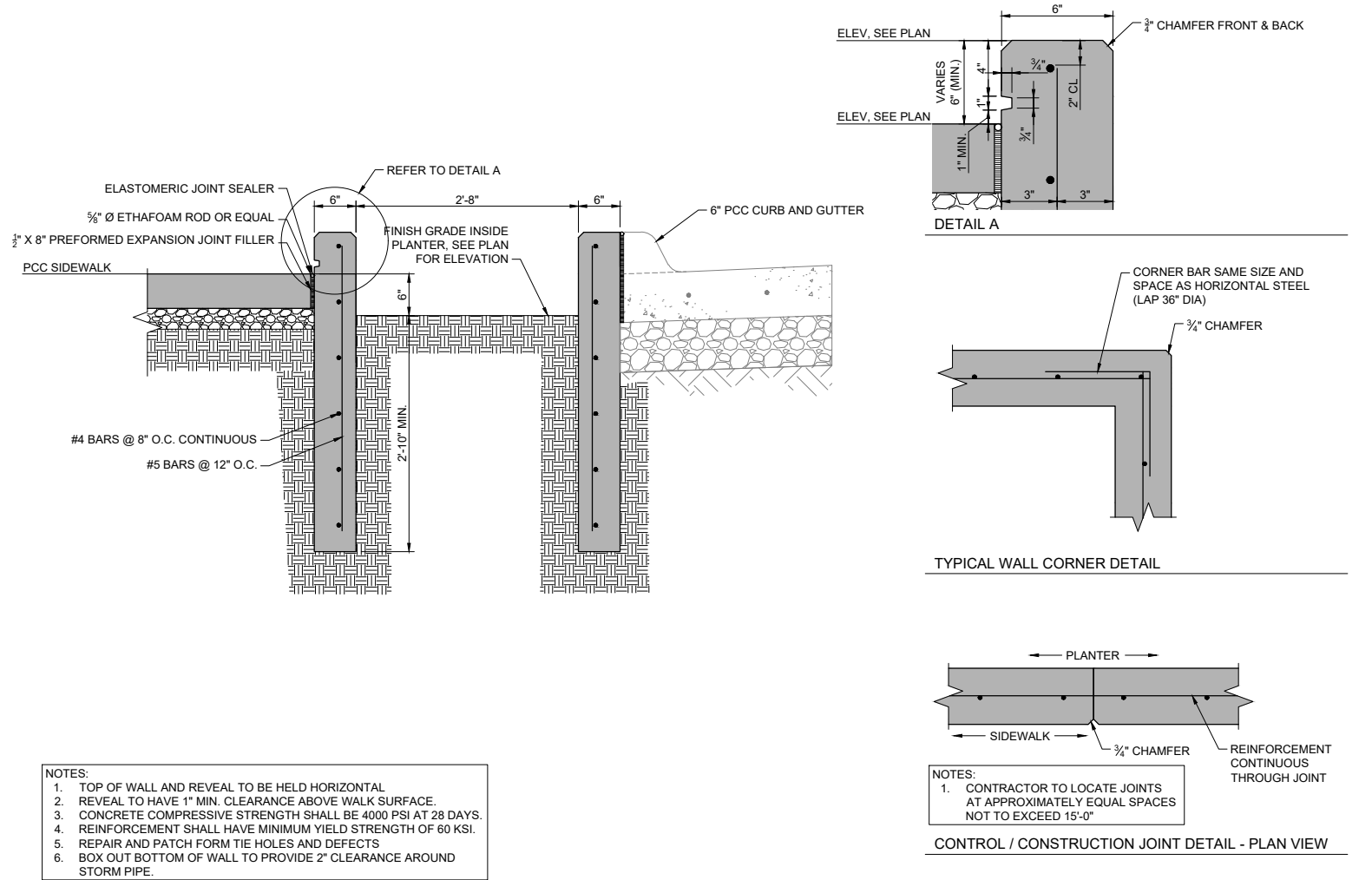
2 DECORATIVE LIGHT FOUNDATION DETAIL - DAV7035.103
NTS



3 SIDEWALK W/ THICKENED EDGE AND JOINTING DETAIL - DAV7035.117
NTS



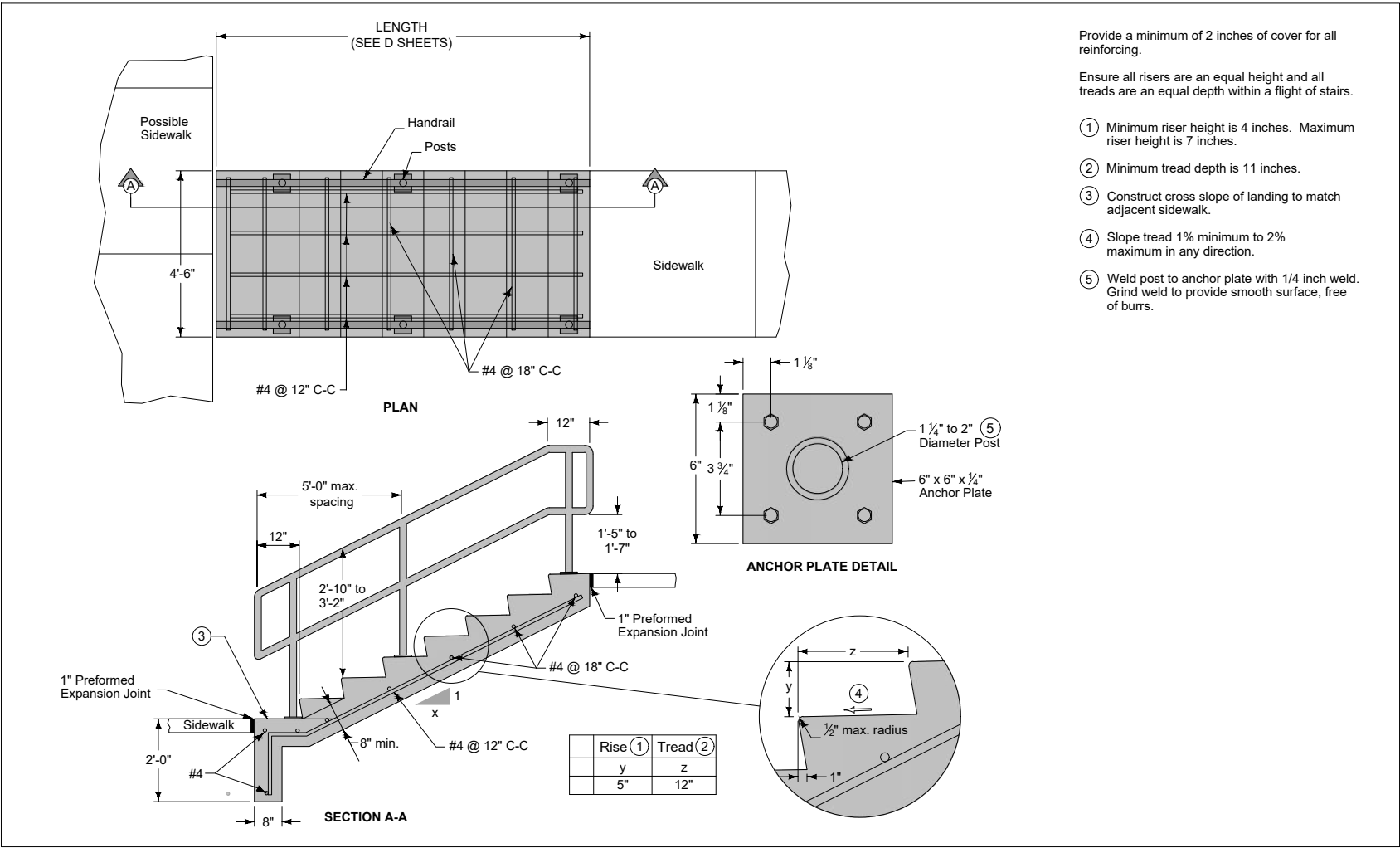
4 LARGE RAISED CONCRETE PLANTER DETAIL
NTS



5 SMALL RAISED CONCRETE PLANTER DETAIL
NTS

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6 PCC STEPS AND HANDRAIL DETAIL

NTS

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111_25 4/30/25			
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3.0	100_04A	ESTIMATE REFERENCE INFORMATION	C.04-C.07
4.0	100_19	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE	C.08
5.0	100_24	PCC PAVEMENT	C.07
6.0	100_26	INCIDENTAL ITEMS	C.03
7.0	100_37	GRATE IINTAKE SEDIMENT FILTER BAG	C.08
8.0	104_05B	STORM SEWER	M.0A
9.0	104_09A	LONGITUDINAL SUBDRAIN SHOULDER	C.09
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12.0	108_01	LIGHTING INSTALLATIONS	C.12
13.0	108_13A	SAFETY CLOSURES	C.12
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290_01 9/28/22	
SIDEWALK CONSTRAINTS WITHIN CITY LIMITS Subtitle to shift change in title Information	
1. Widths: Widths listed in the S sheets are minimums.	
2. Cross Slopes: Construct all sidewalks, curb ramps, and landings/turning spaces at a target cross slope of 1.5%. Cross slopes exceeding 2.0% will not be allowed, except for areas tying into existing pavement. In these areas, transition from existing pavement cross slope to a cross slope of less than 2.0% within one panel at a rate not to exceed 1.0% per foot.	
3. Longitudinal Slopes: a. Sidewalk: i. Roadway slope exceeds 5.0%: Sidewalk longitudinal slope exceeding the roadway slope by more than 2.0% will not be allowed. ii. Roadway slope 5.0% or less: Sidewalk longitudinal slope exceeding 5.0% will not be allowed. b. Ramps: i. Ramps 15.0’ in length or less: Longitudinal slope exceeding 8.3% will not be allowed. ii. Ramps greater than 15.0’ in length: Construct with the longitudinal slope necessary to conform to the design.	
4. Landing/Turning Spaces: Longitudinal slopes exceeding 2.0% will not be allowed.	
S-H PROJECT NO. 2240016730	SHIVE-HATTERY

VERTICAL RESTRICTED ACCESS - NO ACCESS	
1. THE ENTIRE PROJECT AREA IS A "VERTICAL RESTRICTED AREA". THIS RESTRICTION PROHIBITS ANY EXCAVATION WITHIN THE SUBGRADE WITHOUT THE MONITORING FROM AN SOI QUALIFIED ARCHEOLOGIST. PLAN NOTE ON D SHEETS AND E SHEETS	
2. AN SOI QUALIFIED ARCHEOLOGIST SHALL ATTEND THE PRE-CONSTRUCTION MEETING TO DISCUSS THE PROJECT REQUIREMENTS WITH THE PROJECT ENGINEER AND THE CONTRACTOR.	
3. THE SOI QUALIFIED ARCHAEOLOGIST SHALL PROVIDE PROJECT MONITORING DURING ALL GROUND DISTURBING ACTIVITIES. ONCE THE INITIAL GROUND DISTURBANCE IS COMPLETE, MONITORING FROM THE SOIL QUALIFIED ARCHEOLOGIST IS NO LONGER REQUIRED.	
4. A POST CONSTRUCTION SUMMARY WILL BE PROVIDED TO THIS OFFICE, INTERESTED TRIBES AND NATIONS, AND THE OSA BIOARCHAEOLOGIST.	

105_04 10/21/25		
STANDARDS		
The following Standards apply to construction work on this project.		
Number	Date	Title
DR-104	04-19-16	Depth of Cover Tables for Concrete and Corrugated Pipe
DR-121	04-18-23	Connected Pipe Joints
DR-303	10-17-17	Subdrains (Longitudinal)
EW-101	10-17-17	Embankment and Rebuilding Embankments
LI-101	10-21-14	Light Pole Location
LI-103	10-21-25	Conduit and Precast Handholes
LI-110	04-19-16	Lighting Tower
LI-201	04-18-17	Light Pole Foundation
LI-211	10-20-15	Slip-Base for Light Poles
MI-210	10-21-25	PCC Driveways and Alleys
MI-220	04-15-25	Detectable Warnings and Pedestrian Ramp
PM-110	10-15-24	Line Types
PM-111	04-21-20	Symbols and Legends
PM-120	10-15-24	Stop Lines and Islands
PV-20	10-21-14	Paved Islands
PV-101	10-21-25	Joints
PV-102	10-21-25	PCC Curb Details
PV-103	10-21-25	Manhole Boxouts in PCC Pavement
PV-104	10-21-25	Ramped Median Nose
PV-301	04-15-25	Superelevation Details Two Lane Roadway
SI-101	04-19-16	Locations - Type 'A' Signs
SW-101	10-21-25	Trench Bedding and Backfill Zones
SW-102	10-21-25	Rigid Gravity Pipe Trench Bedding
SW-211	10-21-25	Storm Sewer Pipe Connections
SW-401	10-21-25	Circular Storm Sewer Manhole
SW-501	10-21-25	Single Grate Intake
SW-502	10-21-25	Circular Single Grate Intake
SW-505	10-21-25	Double Grate Intake
SW-512	10-21-25	Circular Area Intake
SW-514	10-21-25	Boxouts for Grate Intakes
SW-602	10-21-25	Castings for Storm Sewer Manholes
SW-603	10-21-25	Castings for Grate Intakes
SW-604	10-21-25	Castings for Area Intakes
TC-202	04-18-23	Work Within 15 ft of Traveled Way
TC-252	10-21-25	Routes Closed to Traffic
TC-421	10-21-25	Lane Closure with TBR
TC-601	10-15-19	Pedestrian Detour
TS-102	10-21-25	Traffic Signal Pole Foundation

S-H PROJECT NO. 2240016730	SHIVE-HATTERY	GAINES STREET & 2ND STREET INTERSECTION IMPROVEMENTS	SCOTT	PROJECT NUMBER:HDP-1827(703)--71-82	TABULATIONS	SHEET NUMBER C.01
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ESTIMATED PROJECT QUANTITIES								
(UP TO A 5 DIVISION PROJECT)								
				DIVISION 1: PROTECT GRANT		DIVISION 2: LOCAL FUNDS		
Item No.	Item Code	Item	Unit	Division 1	Division 2	Total	As Built Division 1	As Built Division 2
1	2101-0850002	CLEARING AND GRUBBING	UNIT	258.40		258.40		
2	2102-2625001	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	CY	1062.20		1062.20		
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	1196.10		1196.10		
4	2102-2710080	EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL	CY	450.00		450.00		
5	2105-8425005	TOPSOIL, FURNISH AND SPREAD	CY	103.70		103.70		
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD	CY	240.00		240.00		
7	2109-8225100	SPECIAL COMPACTION OF SUBGRADE	STA	18.00		18.00		
8	2111-8174100	GRANULAR SUBBASE	SY	1664.70		1664.70		
9	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	SY	1286.00		1286.00		
10	2115-0100000	MODIFIED SUBBASE	CY	1174.00		1174.00		
11	2210-0475290	MACADAM STONE BASE	TON	600.00		600.00		
12	2301-1033100	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN.	SY	6650.00		6650.00		
13	2317-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)	EACH	1.00		1.00		
14	2401-6745359	REMOVAL OF CONCRETE FOUNDATIONS OF LIGHT POLES	EACH	18.00		18.00		
15	2401-6745765	REMOVAL OF LIGHT POLES	EACH	18.00		18.00		
16	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.	EACH	2.00		2.00		
17	2435-0250100	INTAKE, SW-501	EACH	3.00		3.00		
18	2435-0250248	INTAKE, SW-502, 48 IN	EACH	3.00		3.00		
19	2435-0250500	INTAKE, SW-505	EACH	4.00		4.00		
20	2435-0251218	INTAKE, SW-512, 18 IN.	EACH	3.00		3.00		
21	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EACH	5.00		5.00		
22	2435-0600020	MANHOLE ADJUSTMENT, MAJOR	EACH	2.00		2.00		
23	2499-7000000	PCC STEPS	SF	12.00		12.00		
24	2502-6745952	REMOVAL OF SUBDRAIN	LF	1000.00		1000.00		
25	2502-8212206	SUBDRAIN, PERFORATED PLASTIC PIPE, 6 IN. DIA.	LF	1166.00		1166.00		
26	2502-8221303	SUBDRAIN OUTLET, DR-303	EACH	16.00		16.00		
27	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 12 IN.	LF	84.00		84.00		
28	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 15 IN.	LF	431.00		431.00		
29	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 24 IN.	LF	96.00		96.00		
30	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	567.00		567.00		
31	2503-0200341	STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL TO 36 IN. DIA.	LF	14.00		14.00		
32	2510-6745850	REMOVAL OF PAVEMENT	SY	7220.50		7220.50		
33	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESSES	EACH	18.00		18.00		
34	2511-6745900	REMOVAL OF SIDEWALK	SY	829.80		829.80		
35	2511-7526005	SIDEWALK, P.C. CONCRETE, 5 IN.	SY	1011.30		1011.30		
36	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SY	558.10		558.10		
37	2511-7526008	SIDEWALK, P.C. CONCRETE, 8 IN.	SY	69.60		69.60		
38	2511-7528101	DETECTABLE WARNINGS	SF	188.00		188.00		
39	2515-2475008	DRIVEWAY, P.C. CONCRETE, 8 IN.	SY	85.50		85.50		
40	2515-6745600	REMOVAL OF PAVED DRIVEWAY	SY	108.00		108.00		
41	2523-0000100	LIGHTING POLES, DECORATIVE	EACH	11.00		11.00		
42	2523-0000100	LIGHTING POLES, STREET	EACH	3.00		3.00		
43	2523-0000200	ELECTRICAL CIRCUITS	LF	600.00		600.00		
44	2523-0000310	HANDHOLES AND JUNCTION BOXES	EACH	14.00		14.00		
45	2524-6765110	REMOVAL OF TYPE A SIGN	EACH	18.00		18.00		
46	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS	LF	169.00		169.00		
47	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	EACH	11.00		11.00		
48	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	EACH	16.00		16.00		
49	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	SF	126.00		126.00		
50	2525-0000100	TRAFFIC SIGNALIZATION	LS	1.00		1.00		
51	2525-0000120	REMOVAL OF TRAFFIC SIGNALIZATION	LS	1.00		1.00		
52	2526-8285020	CONSTRUCTION SURVEY, CTRL POINT SURVEY	LS	1.00		1.00		
53	2526-8285030	CONSTRUCTION SURVEY, ROW	LS	1.00		1.00		
54	2526-8285040	CONSTRUCTION SURVEY, LOC SURVEY	LS	1.00		1.00		
55	2527-9263143	PAINTED SYMBOLS AND LEGENDS, DURABLE	EACH	12.00		12.00		

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ESTIMATED PROJECT QUANTITIES								
(UP TO A 5 DIVISION PROJECT)								
DIVISION 1: PROTECT GRANT DIVISION 2: LOCAL FUNDS								
Item No.	Item Code	Item	Unit	Division 1	Division 2	Total	As Built Division 1	As Built Division 2
56	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	21.73		21.73		
57	2527-9263217	PAINTED PAVEMENT MARKINGS, DURABLE	STA	25.24		25.24		
58	2528-2518000	SAFETY CLOSURE	EACH	7.00		7.00		
59	2528-8400256	TEMPORARY TRAFFIC SIGNALS	EACH	4.00		4.00		
60	2528-8445110	TRAFFIC CONTROL	LS	1.00		1.00		
61	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	CDAY	28.00		28.00		
62	2533-4980005	MOBILIZATION	LS	1.00		1.00		
63	2554-0212020	VALVE BOX EXTENSION	EACH	2.00		2.00		
64	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	LS		1.00	1.00		
65	2599-9999003	RAISED CONCRETE PLANTER	CY	13.50		13.50		
66	2599-9999009	LIGHTING CONDUIT, 2 INCH, PVC, TRENCHED	LF	600.00		600.00		
67	2599-9999010	VIBRATION MONITORING	LS	1.00		1.00		
68	2599-9999018	BRICK PAVER REMOVAL	SY	462.90		462.90		
69	2601-2639010	SODDING	SQ	185.50		185.50		
70	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	ACRE	0.10		0.10		
71	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	MGAL	109.40		109.40		
72	2601-2643300	MOBILIZATION FOR WATERING	EACH	5.00		5.00		
73	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	LF	1820.00		1820.00		
74	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	LF	1770.00		1770.00		
75	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	LF	3590.00		3590.00		
76	2602-0000400	TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	EACH	7.00		7.00		
77	2602-0000410	MAINTENANCE OF TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	EACH	7.00		7.00		
78	2602-0000420	REMOVAL OF TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	EACH	7.00		7.00		
79	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG, EC-604	EACH	28.00		28.00		
80	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	28.00		28.00		
81	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EACH	28.00		28.00		
82	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EACH	2.00		2.00		
83	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	EACH	4.00		4.00		

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INCIDENTAL ITEMS						
Special or unique items where method of measurement / basis of payment is not indicated in the specifications or other contract documents.						
Line No.	Incidental Item	Unit	Quantity	Incidental to Item Code	Incidental to Item	Remarks
1.0	REMOVAL OF TREE GRATES	EA	6	2101-0850002	CLEARING AND GRUBBING	TREE GRATES TO BE SALVAGED TO CITY
2.0	CONCRETE WASHOUT	LS	1	2301-1033100	STANDARD OR SLIP FORM PCC PAVEMENT	SEE 'RR' SHEETS
3.0	HANDRAILS	LF	6	2499-7000000	PCC STEPS	HANDRAILS MUST MEET BABA REQUIREMENTS
4.0	PCC THICKENED EDGE	LF	1006	2511-7526004	SIDEWALK, P.C. CONCRETE, 5 IN.	SEE 'B' SHEETS & 'L' SHEETS
5.0	6 INCH INTEGRAL SIDEWALK CURB	LF	297	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	SEE 'S' SHEETS FOR LOCATIONS
6.0	CONDUIT AND WIRING	LS	1	2523-0000100	LIGHTING POLES, DECORATIVE	SEE ESTIMATE REFERENCE INFORMATION
7.0	EXISTING HANDHOLE ADJUSTMENT	EA	8	2523-0000100	LIGHTING POLES, DECORATIVE	SEE 'P' SHEETS FOR HANDHOLE LOCATIONS

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ESTIMATE REFERENCE INFORMATION			ESTIMATE REFERENCE INFORMATION		
Item No.	Item Code	Description	Item No.	Item Code	Description
1	2101-0850002	CLEARING AND GRUBBING			Refer to Tab. 100-24 in the C sheets and to typicals in the B sheets for locations and details. Refer to L
		All material generated as a result of clearing and grubbing shall become the property of the Contractor and must			sheets for geometric staking and jointing details.
		be disposed of offsite. All wood material must be disposed of according to Iowa Department of Agriculture and			Incidental to this item is providing a temporary washout that meets EPA minimum BMP measures.
		Land Stewardship Emerald Ash Borer Quarantine Order. For more information see www.iowatreepests.com.			Certified plant inspection shall be provided by the Contractor.
		Refer to R sheets for locations of clearing and grubbing and tree removals.			Pavement shall comply with Section 2317: Pavement Smoothness.
2	2102-2625001	EMBANKMENT-IN-PLACE, CONTRACTOR FURNISHED	13	2317-7000110	PAYMENT ADJUSTMENT INCENTIVE/DISINCENTIVE FOR PCC PAVEMENT SMOOTHNESS (BY SCHEDULE)
		Refer to W and X sheets for cross sections, and B sheets for tycpial sections.			Schedule B pavement smoothness required.
		Estimated Cut (Class 10 Excavation) = 1196.1 CY.			
		Estimated Fill (Embankment in Place) = 1062.2 CY (30% Shrinkage Factor)	14	2401-6745359	REMOVAL OF CONCRETE FOUNDATIONS OF LIGHT POLES
			15	2401-6745765	REMOVAL OF LIGHT POLES
3	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW			Refer to R sheets for removal locations. Foundations shall be removed to a minimum 48 below grade.
		Item is included for required excavation, stockpiling, reincorporation in other project areas and/or disposal			Method of Measurement is 'Each'
		of any existing aggregate base material, compacted sub-base material and other native excess material			Basis of Payment shall be at the contract price per 'EACH' of Removal of Concrete Foundations of
		necessary to be removed within the full roadway section in order to construct the proposed roadway.			Light Poles & Removal of Light Poles.
		Refer to W and X sheets for cross sections, and B sheets for tycpial sections.			
		Estimated Cut (Class 10 Excavation) = 1196.1 CY.	16	2435-0140160	MANHOLE, STORM SEWER, SW-401, 60 IN.
		Estimated Fill (Embankment in Place) = 1062.2 CY (30% Shrinkage Factor)	17	2435-0250100	INTAKE, SW-501
			18	2435-0250248	INTAKE, SW-502, 48 IN
4	2102-2710080	EXCAVATION, CLASS 10, UNSUITABLE OR UNSTABLE MATERIAL	19	2435-0250500	INTAKE, SW-505
		Item is included for required excavation of any material found to be unsuitable or unstable. The material	20	2435-0251218	INTAKE, SW-512, 18 IN.
		may be reincorporated into the project if the moisture content can be adjusted and it is otherwise deemed			Refer to Tab. 104-05B and M Sheets
		acceptable material. Material not reincorporated into the project shall be removed and legally disposed			
		of by the contractor and is considered incidental to this pay item. Overhaul is incidental to this item.	21	2435-0600010	MANHOLE ADJUSTMENT, MINOR
		Quantity for this pay item will be dependent on field conditions and it shall be used only when authorized.	22	2435-0600020	MANHOLE ADJUSTMENT, MAJOR
					Refer to Tabulation 104_10 in the C sheets for locations and details.
5	2105-8425005	TOPSOIL, FURNISH AND SPREAD			Provide new castings for manhole adjustments. Furnishing of new castings shall
		Item is included for topsoil required to be imported and spread in all disturbed areas where on-site topsoil			be included in this item
		is not available. Provide a minimum of 6 topsoil in all areas of proposed vegetative cover. Assume			
		shrinkage factor of 25%. Quantities assume 6 striping and 6 spread thickness.	23	2499-7000000	PCC STEPS
					Refer to D Sheets for location. Handrails shall be provided and incidental to this item.
6	2105-8425015	TOPSOIL, STRIP, SALVAGE AND SPREAD			Refer to B Sheets for details. Certified plant inspection shall be provided by the contractor.
		Item is included for required topsoil strip, stockpile, and spread in all disturbed vegetative areas.			
		Quantities assume 6 striping and 6 spread thickness.	24	2502-6745952	REMOVAL OF SUBDRAIN
					This item shall be utilized for removal of existing subdrain encountered. An estimated quantity has been
7	2109-8225100	SPECIAL COMPACTION OF SUBGRADE			included. Payment will only be made for measured subdrain identified and removed during construction.
		Special compaction of subgrade shall be constructed in two 6 layers.			Method of Measurement is 'LF'
		Refer to Tab. 100-24 in the C sheets and typical sections on the B sheets for locations and details.			Basis of Payment shall be at the contract price per 'LF' of measured subdrain for 'Removal of Subdrain'.
8	2111-8174100	GRANULAR SUBBASE	25	2502-8212206	SUBDRAIN, PERFORATED PLASTIC PIPE, 6 IN. DIA.
		Item is included for placement of 3 granular subbase beneath all sidewalk. See B Sheets for details.			Refer to tabulation in the C sheets and to typical sections in the B sheets for locations and details.
9	2113-0001100	SUBGRADE STABILIZATION MATERIAL, POLYMER GRID	26	2502-8221303	SUBDRAIN OUTLET, DR-303
		Item is included for the required placement of grid material under macadam stone base at unsuitable			Refer to Tabulation 104_09A in the C sheets for locations and details.
		material locations as directed. The actual quantity needed will depend upon field conditions and shall be	27	2503-0114212	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 12 IN.
		used only when authorized.	28	2503-0114215	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 15 IN.
			29	2503-0114224	STORM SEWER GRAVITY MAIN, TRENCHED, REINFORCED CONCRETE PIPE (RCP), 2000D (CLASS III), 24 IN.
10	2115-0100000	MODIFIED SUBBASE			Refer to Tab 104-05A and the M Sheets. This item is for stom sewer pipe required to connect
		Refer to Tab. 100-24 in the C sheets and to typicals in the B sheets for locations and details.			to manhole and intake replacements.
		Item used under PCC pavement.			
			30	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.
11	2210-0475290	MACADAM STONE BASE	31	2503-0200341	STORM SEWER ABANDONMENT, FILL AND PLUG, LESS THAN OR EQUAL TO 36 IN. DIA.
		Item is included for the placement of stone material as required where unsuitable or unstable material			Refer to Tab. 110-14 in the C sheets for locations and details.
		is encountered and removed as directed by the engineer. The actual quantity needed will depend upon			
		field conditions and shall be used only when authorized.	32	2510-6745850	REMOVAL OF PAVEMENT
					Refer to Tab. 110-1 in the C sheets for locations and details.
12	2301-1033100	STANDARD OR SLIP FORM PORTLAND CEMENT CONCRETE PAVEMENT, CLASS C, CLASS 3 DURABILITY, 10 IN.			Removal of raised landscaped median on Gaines St shall be incidental to this item.
S-H PROJECT NO. 2240016730			SCOTT	PROJECT NUMBER:HDP-1827(703)-71-82	TABULATIONS
SHIVE-HATTERY			GAINES STREET & 2ND STREET INTERSECTION IMPROVEMENTS		
			SHEET NUMBER C.04		

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ESTIMATE REFERENCE INFORMATION			100_04A 6/2/23
Item No.	Item Code	Description	
		Existing roadway estimated pavement depth of 10 IN.	
		No additional payment will be made for variances in pavement depth.	
33	2510-6750600	REMOVAL OF INTAKES AND UTILITY ACCESSES	
		Refer to Tab. 110-15 in the C sheets for locations and details.	
34	2511-6745900	REMOVAL OF SIDEWALK	
		Refer to Tab. 110-5 in the C sheets for locations and details. Includes full depth saw cut.	
		Existing sidewalk is assumed to be 4 thick. No additional payment will be made for variances in sidewalk pavement depth.	
35	2511-7526004	SIDEWALK, P.C. CONCRETE, 5 IN.	
36	2511-7526006	SIDEWALK, P.C. CONCRETE, 6 IN.	
37	2511-7526008	SIDEWALK, P.C. CONCRETE, 8 IN.	
		Refer to Tab. 113-1A in the C sheets and to typicals in the B sheets for locations and details. See S Sheets for tabulations and details. Sidewalk through driveways is included in driveway pavement bid items.	
		Certified plant inspection shall be provided by the Contractor.	
		See B Sheets for Details. Thickened edge shall be provided per detail and incidental to 5 IN PCC Sidwalk pay item. All sidewalk shall receive picture frame tooled joints.	
		work required for picture frame tooling shall be incidental to the associated sidewalk item.	
38	2511-7528101	DETECTABLE WARNINGS	
		Refer to C sheets and to typicals in the B sheets for locations and details. Detectable warnings shall be polymer variety and color shall be brick red.	
39	2515-2475008	DRIVEWAY, P.C. CONCRETE, 8 IN.	
		Quantities include sidewalk through driveways. Certified plant inspection shall be provided by the Contractor	
40	2515-6745600	REMOVAL OF PAVED DRIVEWAY	
		Price includes full depth saw cut. Existing driveway is assumed to be 6 thick.	
		No additional payment will be made for variances in driveway pavement depth.	
41	2523-0000100	LIGHTING POLES, DECORATIVE	
42	2523-0000100	LIGHTING POLES, STREET	
		Refer to C sheets for tabulations. Refer to P sheets for locations and lighting schedules.	
		See B sheet for details. Existing lighting conduit and wiring shall be protected during removals and reused for proposed fixtures. Existing conduit is shallower than legal bury depth; care should be taken during demolition. Additional conduit and wiring required for connection of proposed fixtures shall be incidental to this item. Conduit shall be 2 Schedule 80 PVC.	
		Street lighting shall be in accordance with IowaDOT standard details. Intersection lighting associated with the traffic signals shall be included with the traffic signalization pay item.	
		All lighting components must meet Build America Buy American (BABA) requirements.	
		Certified plant inspection shall be provided by the Contractor.	
43	2523-0000200	ELECTRICAL CIRCUITS	
		This item shall be utilized for additional conduit and wiring that is required for lighting installation when existing wiring cannot be reused. This item shall only be utilized when approved by the engineer. Existing wiring damaged by the contractor shall be replaced at the contractor's expense. See P sheets for lighting notes.	
44	2523-0000310	HANDHOLES AND JUNCTION BOXES	
		Refer to P sheets for locations. Proposed handhole locations to be installed when feasible.	
		All handhole locations shall be coordinated with the City prior to removals. Existing handholes shall remain and be adjusted when feasible. Handholes shall be provided at decorative light poles where sufficient existing wire slack exists. Handholes shall be 12x12	
ESTIMATE REFERENCE INFORMATION			100_04A 6/2/23
Item No.	Item Code	Description	
45	2524-6765110	REMOVAL OF TYPE A SIGN	
		Refer to Tab. 190-62 in the C sheets and R sheets for locations.	
		Method of Measurement is 'EACH'. Basis of Payment shall be at the contract price per 'EA' of measured subdrain for 'Removal of Type A Sign'	
46	2524-9276010	PERFORATED SQUARE STEEL TUBE POSTS	
47	2524-9276021	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY SOIL INSTALLATION	
48	2524-9276024	PERFORATED SQUARE STEEL TUBE POST ANCHOR, BREAK-AWAY CONCRETE INSTALLATION	
		Refer to Tab. 190-51 in the C sheets for locations and details.	
49	2524-9325001	TYPE A SIGNS, SHEET ALUMINUM	
		Refer to Tab. 190-66 in the C sheets and O sheets for locations and details.	
50	2525-0000100	TRAFFIC SIGNALIZATION	
		All quantities shown in the plans and specifications are for informational and estimating purposes only.	
		The contractor's bid for this project shall include all labor, equipment, and materials necessary to provide a complete and functional traffic signal installation. Traffic signal quantities will not be measured.	
		Refer to N sheets for locations and details. Certified Plant Inspection shall be provided by the Contractor for concrete in the traffic signal pole foundations.	
51	2525-0000120	REMOVAL OF TRAFFIC SIGNALIZATION	
		Item is included for removal of traffic signalization as shown on the N sheets.	
		Existing traffic signalization items not noted for salvage and delivery to the city on the 'N' Sheets shall become the property of the contractor.	
52	2526-8285020	CONSTRUCTION SURVEY, CTRL POINT SURVEY	
		This item shall be utilized for establishing control points for roadway alignments.	
53	2526-8285030	CONSTRUCTION SURVEY, ROW	
		This item shall be utilized for locating existing right of way and temporary easements.	
54	2526-8285040	CONSTRUCTION SURVEY, LOC SURVEY	
		This item shall be utilized for all surveying and staking work necessary for construction of the project.	
55	2527-9263143	PAINTED SYMBOLS AND LEGENDS, DURABLE	
		Refer to Tab. 108-29 in the C sheets for locations and details.	
56	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	
57	2527-9263217	PAINTED PAVEMENT MARKINGS, DURABLE	
		Refer to Tab. 108-22 in the C sheets for locations and details.	
58	2528-2518000	SAFETY CLOSURE	
		Refer to J-Sheets and tabulation 108-13A for safety closure placement. Payment is for full compensation for furnishing material, labor and equipment necessary to erect, maintain and remove Safety Closure. SafetyClosures shall be maintained until the Phase/Stage is complete and can be reopened to traffic. Signs shall be reused for other closures. Relocation of signs for other Phases/Stages shall be considered incidental to this bid item.	
59	2528-8400256	TEMPORARY TRAFFIC SIGNALS	
		Item is included for installation, maintenance, and removal of temporary traffic signals based on equipment lead times for proposed permanent traffic signal equipment. This item shall only be utilized if permanent traffic signal equipment is not available for installation at the completion of Phase 1 construction. Contractor shall send submittals for permanent traffic signal equipment to engineer within 30 calendar days after the contract is signed and begin procuring traffic signal equipment immediately after approved submittals are returned.	
		Temporary traffic signals shall be installed in accordance with Iowa DOT Section 2528.	
		Temporary traffic signal system shall be a span wire system. A minimum of four (4) wood poles	
S-H PROJECT NO. 2240016730			SHIVE-HATTERY
GAINES STREET & 2ND STREET INTERSECTION IMPROVEMENTS			SCOTT
PROJECT NUMBER:HDP-1827(703)--71-82			TABULATIONS
SHEET NUMBER C.05			

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ESTIMATE REFERENCE INFORMATION			100_04A 6/2/23
Item No.	Item Code	Description	
		shall be utilized. The location of the temporary wood poles shall be coordinated with the engineer and the sidewalk paving. The location and number of signal heads shall match the proposed signal plans. The permanent stop bars, symbols, and pavement markings shall be utilized. Contractor shall coordinate temporary signal timing with the City.	
60	2528-8445110	TRAFFIC CONTROL	
		Refer to J-Sheets for detours, temporary traffic control plan, and staging notes.	
		Item includes providing, placing, shifting, maintaining, replacing and removing all traffic control signage and devices throughout the durration of this project. Item also incudes temporary sign installations to maintain regulatory signs and road identification signs at intersections during construction. Necessary pedestrian traffic control and detour signage shall be included in this item. All detour signage expected to be in place for at least 21 days shall be installed on posts.	
61	2528-9290050	PORTABLE DYNAMIC MESSAGE SIGN (PDMS)	
		See J-Sheets for locations.	
62	2533-4980005	MOBILIZATION	
		Item includes mobilization for entire project.	
63	2554-0212020	VALVE BOX EXTENSION	
		See M Sheets for locations	
64	2555-0000010	DELIVER AND STOCKPILE SALVAGED MATERIALS	
		Item includes salvage and delivery of existing traffic signs, light poles, brick pavers, and tree grates called for removal on the R Sheets and existing traffic signal equipment as noted on N.02. Brick pavers shall be salvaged and delivered to City of Davenport Public Works, 232 S Marquette St. All other salvaged materials shall be delivered to City of Davenport Public Works, 1200 E 46th Street.	
65	2599-9999003	RAISED CONCRETE PLANTER	
		Item includes all labor, materials, and equipment necessary for construction of PCC raised planter curb. See D Sheets for locations. See B & L Sheets for details and grading. Method of Measurement is 'Cubic Yards'	
		Basis of Payment shall be at the contract price per 'CY' of PCC Landscaped Curb. Certified plant inspection shall be provided by the Contractor.	
66	2599-9999009	LIGHTING CONDUIT, 2 INCH, PVC, TRENCHED	
		Item includes all labor, materials, and equipment necessary for furnishing and installation of 2 inch PVC conduit required for lighting installations when existing conduit cannot be reused. This item shall only be utilized when approved by the engineer. The contractor shall notify the engineer of any existing conduit that cannot be reused. All conduit shall be 2 inch diameter Schedule 80 PVC. A #8-THWN trace wire with an orange jacket shall be provided with all conduit and included in this item. All conduit shall be trenched to a minimum depth of 18 inches. Method of Measurement is 'Linear Feet'	
		Basis of Payment shall be at the contract price per 'LF' of Lighting Conduit, 2 Inch, PVC, Trenched.	
67	2599-9999010	VIBRATION MONITORING	
		Refer to Special Provision for Vibration Monitoring for additional information.	
68	2599-9999018	BRICK PAVER REMOVAL	
		Item includes all labor, materials, and equipment necessary for removal of brick pavers. Brick pavers shall be removed by means necessary to avoid breaking, chipping, or other damage to the pavers. Bricks pavers shall be salvaged to the City of Davenport. See C Sheets & R Sheets for locations. Method of Measurement is 'SQUARE YARDS'.	
		Basis of Payment shall be at the contract price per 'SY' brick paver removal.	

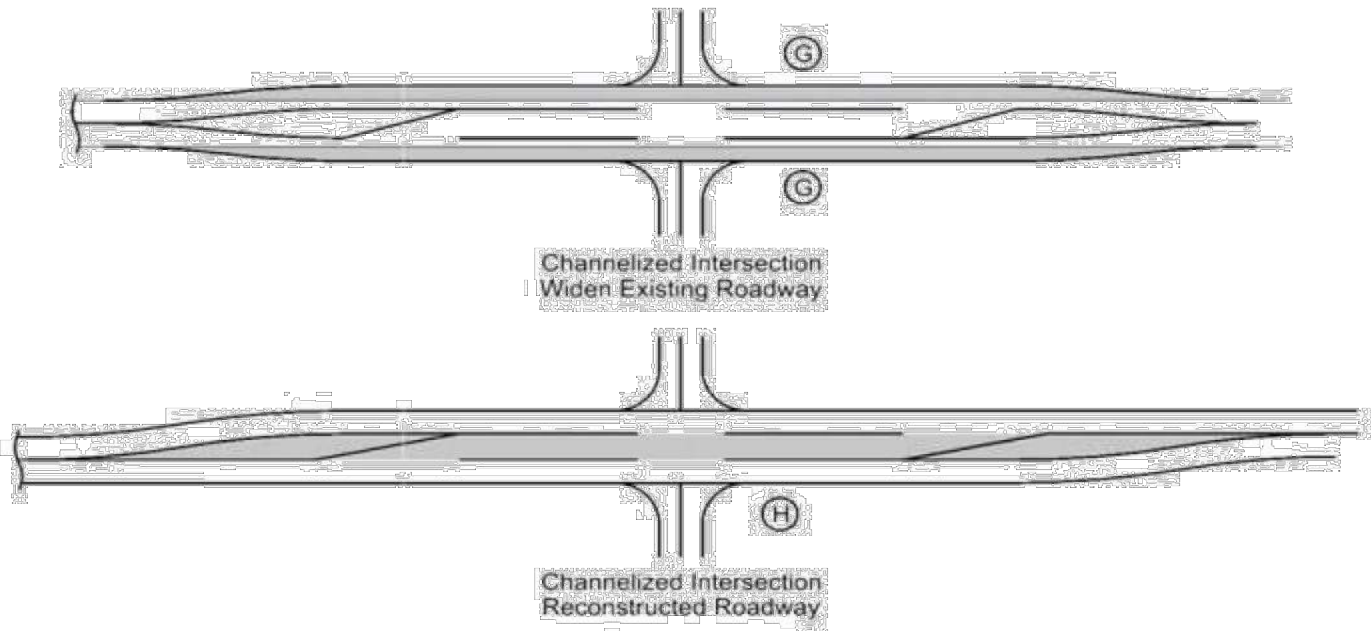
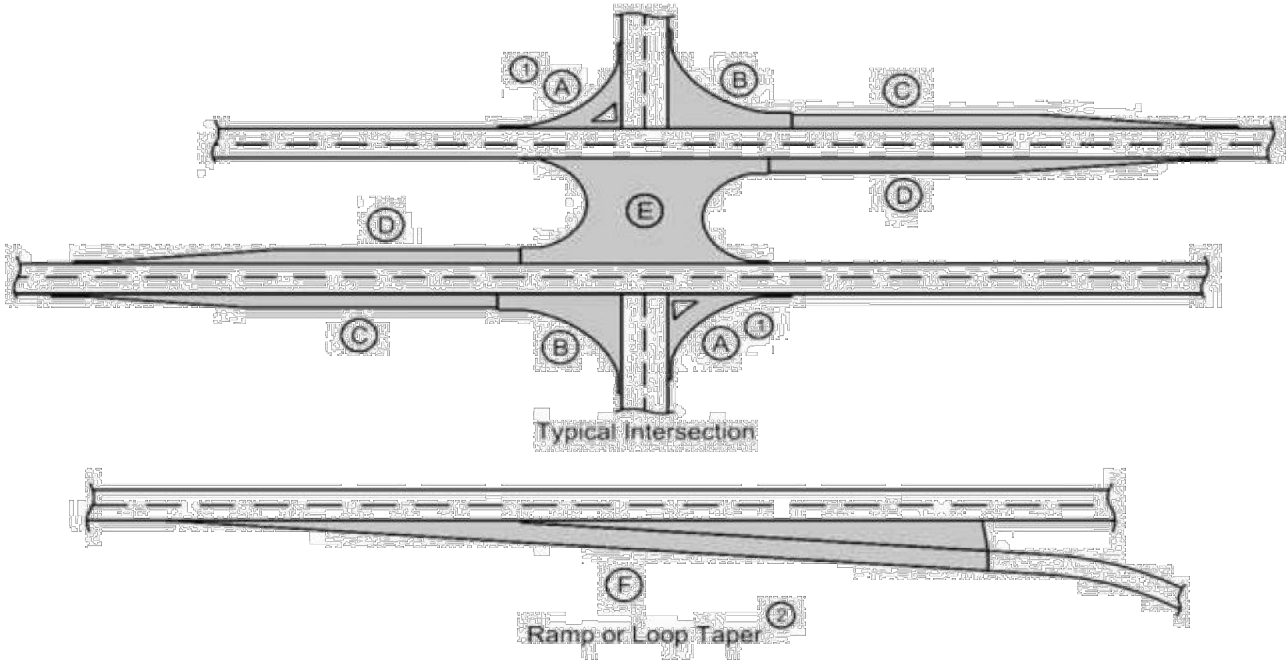
ESTIMATE REFERENCE INFORMATION			100_04A 6/2/23
Item No.	Item Code	Description	
69	2601-2639010	SODDING	
		Refer to the RR sheets for estimated locations.	
		All non-paved areas disturbed shall be sodded.	
70	2601-2642120	STABILIZING CROP - SEEDING AND FERTILIZING (URBAN)	
		This item is included for the stablization of disturbed areas where construction activity will not occur for a period of 14 calendar day, this includes stockpiled soil. The bid quantity used is for 25% of the area that will be disturbed.	
71	2601-2643110	WATERING FOR SOD, SPECIAL DITCH CONTROL, OR SLOPE PROTECTION	
72	2601-2643300	MOBILIZATION FOR WATERING	
		Six waterings shall be required. See IowaDOT Section 2601	
73	2602-0000312	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 12 IN. DIA.	
		Refer to Tab. 100-19 and Standard Road Plan EC-204. The tabulation includes estimated locations for placement of Perimeter and slope sediment control to address the control of sediment and prevent it from leaving the project site and reduce velocities of surface runoff draining onto and within the project site during construction, all until the site is stabilized. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements.	
74	2602-0000320	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 20 IN. DIA.	
		Refer to Tab. 100-19 and Standard Road Plan EC-204 and 603. The tabulation includes estimated locations for placement of Perimeter and slope sediment control to address the control of sediment and prevent it from leaving the project site and reduce velocities of surface runoff draining onto and within the project site during construction, all until the site is stabilized.; this item and the tabulation include the quantity for the inlet protection. This item shall also be used at the base of soil stockpiles, as applicagle. Verify the specific locations with the Engineer prior to beginning placement. Bid item includes 25% additional quantity for field adjustments and replacements.	
75	2602-0000351	REMOVAL OF PERIMETER AND SLOPE OR DITCH CHECK SEDIMENT CONTROL DEVICE	
		This item is included for the removal of the perimeter and slope sediment control device (12 and 20), when the area(s)/inlet(s) being protected are no longer required due to construction staging/phasing and the site is stablized and there is no longer a threat of erosion and sedimentation from the construction site/construction activities.	
76	2602-0000400	TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	
		This item is included for use on top of intake or manhole wells which do not yet have tops in place due construction activity constraints that do not allow for tops to be installed until other construction processes are completed but the inlet is still necessary for drainage of the site. Refer to Tab 100-11 and Standard Road Plan EC-603. The quantity for the 20 Perimeter and Slope Control Device that is required for this item is included in Tabulation 100-19. This item may switch to different inlet then shown on the plan as directed by Engineer. Method of Measurement is 'EACH'. Basis of Payment shall be at the contract unit price per 'EACH' for Temporary Intake or Manhole Cover Assembly.	
77	2602-0000410	MAINTENANCE OF TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	
78	2602-0000420	REMOVAL OF TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY	
		Refer to Tab 100-11	
79	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	
		This item is included for both the proposed and existing grate intakes which have their tops in place. Refer to Tab 100-37 and Standard Road Plan EC-604. The quantity includes the count per each grate, meaning that a double grate is counted as 2. For bidding purposes, all of the existing grates (except those designated for the Temporary Intake or Manhole Cover Assembly) were counted for the filter bag, however, if an existing grate and the storm sewer it drains to is taken off line (removed) right-away, then the grate filter bag is not	

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ESTIMATE REFERENCE INFORMATION			100_04A 6/2/23
Item No.	Item Code	Description	
		needed - verify with Engineer.	
80	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	
81	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	
		Refer to Tab. 100-37 and the RR sheets for locations.	
		Method of Measurement is 'EACH'. Basis of Payment shall be at the contract	
		unit price per 'EACH' for Maintenance of Grate Intake Sediment Filter Bag;	
		Removal of Grate Intake Sediment Filter Bag.	
82	2602-0010010	MOBILIZATIONS, EROSION CONTROL	
		Only one mobilization will be paid for each stage of work (pre-construction, post-construction,	
		and seeding). The contractor shall mobilize with sufficient labor, equipment, and materials to perform	
		the erosion/sediment control installation as identified on the drawings.	
		Additional mobilizations must be approved by the engineer.	
83	2602-0010020	MOBILIZATIONS, EMERGENCY EROSION CONTROL	
		The contractor shall mobilize with sufficient labor, equipment, and materials to perform the	
		erosion/sediment control installation as identified on the drawings. Additional mobilizations must	
		be approved by the engineer.	

PCC PAVEMENT

10/15/24



- (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
							6650.39															
1.0	GAINES STREET		31+02.54	34+82.97	64.0	380.43	2818.14									10.0	2818.1			477.32		
2.0	2ND STREET		10+64.40	15+55.01	53.5	490.61	3275.55									10.0	3275.5			587.44		
3.0	BROWN STREET		20+44.21	22+50.08		205.87	482.60									10.0	482.6			96.48		
4.0	2ND STREET		12+54.33	12+88.17		33.84	28.61									10.0	28.6			4.76		MEDIAN
5.0	2ND STREET		13+52.92	13+94.24		41.32	45.49									10.0	45.5			7.58		MEDIAN

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PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE <div>100_19 10/15/24</div>							
Possible Standards: EC-204							
Line No.	Station From	Station To	Side	Sediment Control Device Type	Diameter Size	Length (LF)	Remarks
1.0	30+68.00	31+82.00	Left	Perimeter and Slope	12 inch	180.00	PERIMETER CONTROL
2.0	31+02.00	33+31.00	Right	Perimeter and Slope	12 inch	340.00	PERIMETER CONTROL
3.0	31+02.00	31+74.00	Left	Perimeter and Slope	12 inch	640.00	PERIMETER CONTROL
4.0	32+09.00	32+29.00	Right	Perimeter and Slope	12 inch	60.00	PERIMETER CONTROL
5.0	32+42.00	32+50.00	Left	Perimeter and Slope	12 inch	100.00	PERIMETER CONTROL
6.0	32+72.00	32+80.00	Left	Perimeter and Slope	12 inch	30.00	PERIMETER CONTROL
7.0	33+25.00	34+82.00	Left	Perimeter and Slope	12 inch	180.00	PERIMETER CONTROL
8.0	33+89.00	34+97.00	Right	Perimeter and Slope	12 inch	290.00	PERIMETER CONTROL
9.0	31+02.00	32+91.00	Right	Perimeter and Slope	20 inch	210.00	PERIMETER CONTROL
10.0	31+03.00	31+11.00	Left	Perimeter and Slope	20 inch	380.00	PERIMETER CONTROL
11.0	31+42.46		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
12.0	31+43.00		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
13.0	31+86.65		Left	Perimeter and Slope	20 inch	50.00	INLET PERIMETER PROTECTION
14.0	31+91.73		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
15.0	32+01.34		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
16.0	32+19.00		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
17.0	32+21.79		Left	Perimeter and Slope	20 inch	50.00	INLET PERIMETER PROTECTION
18.0	32+22.73		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
19.0	32+23.00		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
20.0	32+25.90		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
21.0	32+29.54		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
22.0	32+32.43		Left	Perimeter and Slope	20 inch	50.00	INLET PERIMETER PROTECTION
23.0	32+56.15		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
24.0	32+59.00		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
25.0	32+66.08		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
26.0	32+77.40		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
27.0	32+82.00		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
28.0	33+01.99		Right	Perimeter and Slope	20 inch	50.00	INLET PERIMETER PROTECTION
29.0	33+03.00		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
30.0	33+16.52		Left	Perimeter and Slope	20 inch	50.00	INLET PERIMETER PROTECTION
31.0	33+27.49		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
32.0	33+38.81		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
33.0	33+50.00		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
34.0	33+50.63		Right	Perimeter and Slope	20 inch	50.00	INLET PERIMETER PROTECTION
35.0	33+55.27		Left	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
36.0	33+55.45		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
37.0	33+55.45		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
38.0	33+58.35		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
39.0	33+59.00	33+84.00	Right	Perimeter and Slope	20 inch	60.00	PERIMETER CONTROL
40.0	33+74.60		Right	Perimeter and Slope	20 inch	30.00	INLET PERIMETER PROTECTION
41.0	33+81.00	33+99.00	Right	Perimeter and Slope	20 inch	130.00	PERIMETER CONTROL

GRATE INTAKE SEDIMENT FILTER BAG <div>100_37 4/16/24</div>						
Possible Standard Road Plan : EC-604						
Line No.	Location Station	Side	Installation (Each)	Maintenance (Each)	Removal (Each)	Remarks
1.0	31+42.46	Right	1.0	1	1.0	NEW INLET
2.0	31+86.65	Left	2.0	2	2.0	EXISTING DOUBLE INLET
3.0	31+91.73	Right	1.0	1	1.0	NEW INLET
4.0	32+01.34	Left	1.0	1	1.0	EXISTING INLET
5.0	32+21.79	Left	2.0	2	2.0	EXISTING DOUBLE INLET
6.0	32+22.73	Left	1.0	1	1.0	NEW INLET
7.0	32+25.90	Left	1.0	1	1.0	NEW INLET
8.0	32+29.54	Left	1.0	1	1.0	EXISTING INLET
9.0	32+32.43	Left	2.0	2	2.0	EXISTING DOUBLE INLET
10.0	32+56.15	Right	1.0	1	1.0	NEW INLET
11.0	32+66.08	Left	1.0	1	1.0	NEW INLET
12.0	32+77.40	Left	1.0	1	1.0	NEW INLET
13.0	33+01.99	Right	2.0	2	2.0	NEW DOUBLE INLET
14.0	33+16.52	Left	2.0	2	2.0	EXISTING DOUBLE INLET
15.0	33+27.49	Left	1.0	1	1.0	NEW INLET
16.0	33+38.81	Right	1.0	1	1.0	EXISTING INLET
17.0	33+50.63	Right	2.0	2	2.0	NEW DOUBLE INLET
18.0	33+55.27	Left	1.0	1	1.0	NEW INLET
19.0	33+55.45	Right	1.0	1	1.0	NEW INLET
20.0	33+55.45	Right	1.0	1	1.0	EXISTING INLET
21.0	33+58.35	Right	1.0	1	1.0	NEW INLET
22.0	33+74.60	Right	1.0	1	1.0	NEW INLET

EROSION CONTROL FOR INTAKE OR MANHOLE WELL <div>100_11 4/16/24</div>					
Possible Standard Road Plan : EC-603					
Line No.	Location Station	Side	Cover Assembly Type	Quantity (EA)	Remarks
1.0	31+43.00	Right	Installation	1	EXISTING INLET - RECTANGULAR
2.0	32+19.00	Right	Installation	1	EXISTING INLET - RECTANGULAR
3.0	32+23.00	Left	Installation	1	EXISTING INLET - RECTANGULAR
4.0	32+59.00	Right	Installation	1	EXISTING INLET - RECTANGULAR
5.0	32+82.00	Right	Installation	1	EXISTING INLET - RECTANGULAR
6.0	33+03.00	Right	Installation	1	EXISTING INLET - RECTANGULAR
7.0	33+50.00	Right	Installation	1	EXISTING INLET - RECTANGULAR

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104_10
4/16/24

ADJUSTMENT OF FIXTURES						
Line No.	Item No.	Location Station	Side	Distance	Type of Fixture	Adjustment
1.0		10+55.99			UTILITY MANHOLE	MINOR
2.0		13+21.83			DRAINAGE MANHOLE	MAJOR
3.0		13+76.75			DRAINAGE MANHOLE	MAJOR
4.0		13+86.71			UTILITY MANHOLE	MINOR
5.0		14+32.77			UTILITY MANHOLE	MINOR
6.0		14+43.70			SANITARY MANHOLE	MINOR
7.0		14+63.17			UTILITY MANHOLE	MINOR

104_09A
5/6/24

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	W 2ND STREET	10+87.51	12+54.89		24.0	6.0	168.1	12+54.89	DR-303	9.3	INTAKE OUTLET
2.0	W 2ND STREET/GAINES STREET	12+58.90	13+25.99		24.0	6.0	115.6	13+25.99	DR-303	6.4	INTAKE OUTLET
3.0	GAINES STREET	13+92.58	13+26.27		24.0	6.0	126.8	13+26.27	DR-303	7.0	INTAKE OUTLET
4.0	GAINES STREET	14+45.47	13+96.40		24.0	6.0	128.1	13+96.40	DR-303	7.1	INTAKE OUTLET
5.0	GAINES STREET/ W 2ND STREET	13+95.63	14+68.63		24.0	6.0	101.6	14+68.63	DR-303	5.6	INTAKE OUTLET
6.0	W 2ND STREET	14+76.26	15+55.01		24.0	6.0	79.5	14+76.26	DR-303	4.4	INTAKE OUTLET
7.0	W 2ND STREET	14+76.26	15+55.01		24.0	6.0	79.7	14+76.26	DR-303	4.4	INTAKE OUTLET
8.0	W 2ND STREET	14+05.99	14+68.59		24.0	6.0	67.7	14+68.59	DR-303	3.8	INTAKE OUTLET
9.0	GAINES STREET/ W 2ND STREET	13+70.80	14+01.81		24.0	6.0	38.5	14+01.81	DR-303	2.1	INTAKE OUTLET
10.0	GAINES STREET	13+44.94	13+69.66		24.0	6.0	74.7	13+69.66	DR-303	4.2	INTAKE OUTLET
11.0	GAINES STREET	13+40.69	13+44.94		24.0	6.0	36.9	13+44.94	DR-303	2.0	INTAKE OUTLET
12.0	GAINES STREET	12+67.05	12+57.91		24.0	6.0	148.1	12+57.91	DR-303	8.2	INTAKE OUTLET

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	1043.88	Storm Sewer - Removal	46.0				
2.0	1089.19	Storm Sewer - Removal	40.0				
3.0	1127.63	Storm Sewer - Removal	160.0				
4.0	1066.54	Storm Sewer - Removal	37.0				
5.0	1314.02	Storm Sewer - Removal	71.0				
6.0	1306.19	Storm Sewer - Removal	40.0				
7.0	1346.3	Storm Sewer - Removal	72.0				
8.0	1388.1	Storm Sewer - Removal	19.0				
9.0	1392.54	Storm Sewer - Removal	16.0				
10.0	1472.38	Storm Sewer - Removal	53.0				
11.0	1397.03	Storm Sewer - Plug and Fill	14.0		1		
12.0	1399.35	Storm Sewer - Removal	13.0				

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PAVEMENT MARKING LINE TYPES

108.22
11/25/25

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 (Yellow) @ 1.33 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)	BLW4 Factored (STA)	CLW6 Factored (STA)	DCY4 Factored (STA)	DLW4 Factored (STA)	ELY4 Factored (STA)	RLW4 Factored (STA)	SLW2 Factored (STA)	SLW4 Factored (STA)	Remarks
1.0	BROWN ST	20+44.21	22+19.39	NB	Waterborne/Solvent Paint		X						2.35						
2.0	BROWN ST	22+18.36	22+18.36	NB	Durable Paint			X									0.76		
3.0	BROWN ST	10+09.07	10+61.61	NB	Durable Paint			X				1.06							
4.0	BROWN ST	10+06.86	10+68.00	NB	Durable Paint			X				1.22							
5.0	BROWN ST	10+10.73	10+68.74	SB	Durable Paint	X						1.16							
6.0	BROWN ST	10+11.51	10+67.47	SB	Durable Paint	X						1.12							
7.0	BROWN ST	10+11.94	10+39.67	SB	Durable Paint	X											1.12		
8.0	W 2ND ST	10+87.57	12+70.00	EB	Waterborne/Solvent Paint			X										1.22	
9.0	W 2ND ST	10+90.00	11+68.00	EB	Waterborne/Solvent Paint			X						0.17					
10.0	W 2ND ST	10+87.57	12+70.00	EB	Waterborne/Solvent Paint	X							2.44						
11.0	W 2ND ST	11+68.00	12+70.00	EB	Waterborne/Solvent Paint			X										0.68	
12.0	W 2ND ST	12+01.40	12+45.72	SB	Waterborne/Solvent Paint											0.35			
13.0	W 2ND ST	12+45.72	12+62.15	SB	Durable Paint			X									1.00		
14.0	W 2ND ST	12+48.58	12+65.45	SB	Durable Paint			X				0.50							
15.0	W 2ND ST	12+51.93	12+69.60	SB	Durable Paint			X				0.54							
16.0	W 2ND ST	12+56.55	31+62.21	SB	Waterborne/Solvent Paint			X							X	0.35			
17.0	W 2ND ST	12+33.73	12+60.94	SB	Waterborne/Solvent Paint			X										0.21	
18.0	W 2ND ST	12+67.31	32+01.81	SB	Waterborne/Solvent Paint			X										0.17	
19.0	W 2ND ST	12+70.00	12+70.00	EB	Durable Paint		X										1.08		
20.0	W 2ND ST	12+74.00	12+79.00	EB	Durable Paint		X					0.82							
21.0	W 2ND ST	12+74.00	12+79.00	EB	Durable Paint		X					0.82							
22.0	W 2ND ST	12+79.00	12+93.11	EB	Waterborne/Solvent Paint			X										0.09	
23.0	GAINES ST	12+80.00	12+87.55	NB	Waterborne/Solvent Paint			X										0.19	
24.0	GAINES ST	31+04.10	32+31.05	NB	Waterborne/Solvent Paint			X			0.22								
25.0	GAINES ST	30+85.43	31+29.67	NB	Waterborne/Solvent Paint			X							0.29				
26.0	GAINES ST	30+85.35	31+29.67	NB	Waterborne/Solvent Paint			X							0.29				
27.0	GAINES ST	30+84.87	31+27.60	NB	Waterborne/Solvent Paint			X						0.09					
28.0	GAINES ST	30+98.12	32+34.82	NB	Waterborne/Solvent Paint			X			0.23								
29.0	GAINES ST	31+27.60	32+32.11	NB	Waterborne/Solvent Paint			X										0.70	
30.0	GAINES ST	32+03.63	32+37.68	NB	Waterborne/Solvent Paint			X										0.23	
31.0	GAINES ST	32+47.65	32+66.80	NB	Waterborne/Solvent Paint			X										0.13	
32.0	GAINES ST	32+29.52	32+38.30	NB	Durable Paint			X									1.56		
33.0	GAINES ST	32+28.61	32+42.75	NB	Durable Paint			X				1.34							
34.0	GAINES ST	32+33.49	32+48.32	NB	Durable Paint			X				1.34							
35.0	GAINES ST	32+01.81	32+28.61	NB	Waterborne/Solvent Paint			X										0.07	
36.0	GAINES ST	32+33.49	32+44.39	NB	Waterborne/Solvent Paint			X										0.12	
37.0	GAINES ST	32+03.63	32+48.08	EB	Waterborne/Solvent Paint			X										0.31	
38.0	GAINES ST	13+70.42	13+83.29	EB	Durable Paint			X				0.50							
39.0	GAINES ST	13+74.53	13+87.39	EB	Durable Paint			X				0.50							
40.0	W 2ND ST	13+74.53	14+17.24	WB	Waterborne/Solvent Paint			X										0.32	
41.0	W 2ND ST	13+58.62	13+77.04	WB	Waterborne/Solvent Paint			X										0.13	
42.0	W 2ND ST	13+76.84	14+04.07	WB	Durable Paint		X					1.22							
43.0	W 2ND ST	13+82.46	14+07.09	WB	Durable Paint		X					1.14							
44.0	W 2ND ST	13+82.46	14+27.24	WB	Waterborne/Solvent Paint			X										0.30	
45.0	W 2ND ST	13+93.27	14+10.20	WB	Durable Paint	X											1.48		
46.0	W 2ND ST	13+94.39	15+55.01	WB	Waterborne/Solvent Paint		X						2.16						
47.0	W 2ND ST	14+00.30	15+55.01	WB	Waterborne/Solvent Paint	X												1.04	
48.0	W 2ND ST	14+27.24	15+47.24	WB	Waterborne/Solvent Paint			X			0.22								
49.0	GAINES ST	33+02.69	33+37.75	SB	Durable Paint	X						1.72							
50.0	GAINES ST	33+10.91	33+42.39	SB	Durable Paint	X						1.60							
51.0	GAINES ST	33+15.26	33+31.58	SB	Durable Paint	X											1.64		
52.0	GAINES ST	33+21.28	36+55.58	SB	Waterborne/Solvent Paint	X					0.57								
53.0	GAINES ST	33+26.43	34+60.93	SB	Waterborne/Solvent Paint	X												0.90	
54.0	GAINES ST	34+60.93	35+98.93	SB	Waterborne/Solvent Paint	X								0.30					
55.0	GAINES ST	33+32.60	36+56.47	SB	Waterborne/Solvent Paint	X							4.34						
56.0	GAINES ST	33+32.60	36+55.88	SB	Waterborne/Solvent Paint	X					0.55								

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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	2ND ST	11+31.93		RTAW	1		
2.0	2ND ST	11+33.40		LTAW	1		
3.0	2ND ST	12+23.40		RTAW	1		
4.0	2ND ST	12+58.77		LTAW	1		
5.0	GAINES ST	31+29.67		LTAW	1		
6.0	GAINES ST	32+06.57		LTAW	1		
7.0	GAINES ST	33+43.87		CSRW	1		
8.0	GAINES ST	33+43.89		LTAW	1		
9.0	GAINES ST	34+20.06		LTAW	1		
10.0	W 2ND ST	14+23.20		LTAW	1		
11.0	W 2ND ST	14+24.17		CSRW	1		
12.0	W 2ND ST	14+98.18		LTAW	1		

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LIGHTING INSTALLATIONS							108_01 8/15/22
Line No.	Location No.	Station	LI-101 Type	A	E (FT)	LI-201 Type	Remarks
1.0	RIGHT	10+62.83	2		3.0	A	ROADWAY POLE AND LUMINAIRE
2.0	LEFT	10+83.29	2		3.0	A	ROADWAY POLE AND LUMINAIRE
3.0	LEFT	13+25.46	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
4.0	LEFT	13+39.37	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
5.0	LEFT	13+78.81	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
6.0	RIGHT	14+09.80	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
7.0	LEFT	14+12.43	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
8.0	LEFT	14+30.56	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
9.0	LEFT	14+48.94	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
10.0	RIGHT	14+56.08	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
11.0	LEFT	14+63.05	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
12.0	RIGHT	15+05.91	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
13.0	LEFT	15+06.38	2		3.0		DECORATIVE LIGHT (SEE B SHEETS FOR DETAIL)
14.0	LEFT	15+28.91	2		3.0	A	ROADWAY POLE AND LUMINAIRE

SAFETY CLOSURES				108_13A 3/27/25
Refer to Section 2528 of the Standard Specifications				
Station	Road Closure Qty.	Hazard Closure Qty.	Remarks	
	1		WARREN ST/ W 2ND ST	
30+90.00	1		GAINES ST	
20+57.87	1		BROWN ST	
10+71.50	1		W 2ND ST/ BROWN ST	
	1		W 2ND ST/ WESTERN AVE	
30+56.50	1		GAINES ST/ W 3RD ST	
	1		BROWN ST/ W 3RD ST	

CONCRETE STEPS AND COMBINED CONCRETE STEPS AND RETAINING WALL CONSTRUCTION													108_15 8/15/22
Station	Side	Step Width	Step Height	Required Steps	Lugs (No.)	Landings (No.)	Landings (LF)	Retaining Wall (No.)	Concrete (CY)	Steel (LB)	Handrail Length (LF)	Handrail Post Number	Remarks
12+99.20	Left	4.5	5.0	2					0.6		3.0	4	5 IN TALL STEPS; 2 POSTS PER SIDE
													SEE L SHEETS FOR GRADING

CLEARING AND GRUBBING																	110_17 1/27/25
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"	Other Materials Length (FT)	Other Materials Width (FT)	Estimated Units	Estimated Area (Acres)	Remarks
1.0	11+01.56	13+92.55	EB	Trees - Clearing and Grubbing		3		7	1	3	1	1			236.0		
2.0	11+87.28	11+87.28	WB	Trees - Clearing and Grubbing	1										1.6		
3.0	34+12.58	34+12.58	NB	Stumps - Grubbing	1		1								5.9		
4.0	34+56.81	34+56.81	NB	Trees - Clearing and Grubbing		1									3.9		
5.0	33+85.84	34+35.82	SB	Trees - Clearing and Grubbing	2	2									11.0		

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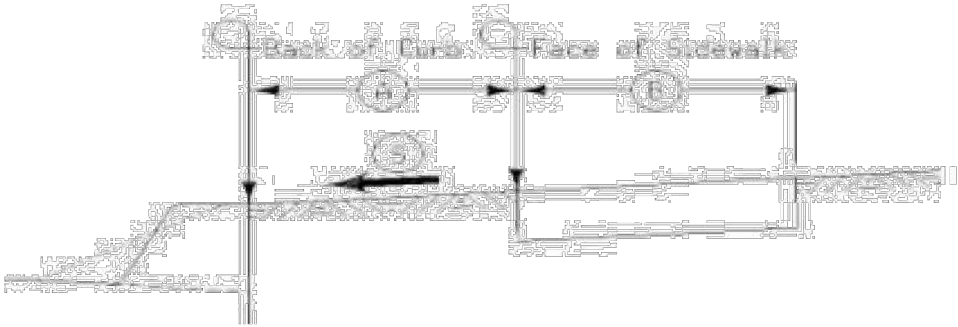
REMOVAL OF PAVEMENT							110_01 4/5/24
Refer to Tabulation 102-5.							
* Not a bid item.							
Line No.	Station From	Station To	Side	Pavement Type	Area (SY)	Saw Cut* (LF)	Remarks
1.0	31+02.54	34+82.97		PCC	2527.2	263.7	GAINES ST
2.0	10+64.40	15+55.01		PCC	2734.9	119.7	2ND ST
3.0	20+44.21	22+50.08		PCC	1571.9	48.0	BROWN ST
4.0	10+66.54	11+57.84		PCC	107.0		MEDIAN
5.0	11+36.33	12+91.01		PCC	151.8		MEDIAN
6.0	13+55.95	13+98.69		PCC	50.8		MEDIAN
7.0	13+46.40	14+22.67		PCC	76.9		MEDIAN
8.0	10+99.02	11+39.89		PCC	54.1	18.7	DRIVEWAY
9.0	12+19.96	12+59.01		PCC	53.9	19.8	DRIVEWAY

REMOVAL OF INTAKES AND UTILITY ACCESSES					110_15 8/15/22
Line No.	Item No.	Location Description	Type	Remarks	
1.0		1066.54, 42.27 LT		STORM SEWER INTAKE	
2.0		1089.44, 34.9 RT		STORM SEWER INTAKE	
3.0		1097.18, 20.80 LT		STORM SEWER INTAKE	
4.0		1127.69, 22.06 RT		STORM SEWER INTAKE	
5.0		1287.8, 32.65 RT		STORM SEWER INTAKE	
6.0		1306.24, 124.62 RT		STORM SEWER INTAKE	
7.0		1313.08, 52.6 LT		STORM SEWER INTAKE	
8.0		1346.99, 126 RT		STORM SEWER INTAKE	
9.0		1371.16, 63.79 RT		STORM SEWER INTAKE	
10.0		1388.17, 35.04 LT		DRAINAGE MANHOLE	
11.0		1392.61, 13.45 RT		STORM SEWER INTAKE	
12.0		1396.91, 66.31 LT		STORM SEWER INTAKE	
13.0		1399.23, 48.49 LT		STORM SEWER INTAKE	
14.0		1404.4, 17.67 RT		DRAINAGE MANHOLE	
15.0		1404.61, 40.10 RT		STORM SEWER INTAKE	
16.0		1407.58, 57.8 LT		DRAINAGE MANHOLE	
17.0		1472.45, 26.8 RT		STORM SEWER INTAKE	
18.0		1474.79, 26.39 LT		STORM SEWER INTAKE	

REMOVAL OF LIGHT POLES AND CONCRETE FOOTINGS							110_16 8/15/22
Line No.	No.	Station	Side	Offset (FT)	Removal Type	Remarks	
1.0		10+79.44		129.0	Light Pole and Concrete Footing		
2.0		10+87.59		-30.0	Light Pole and Concrete Footing		
3.0		11+61.88		-29.0	Light Pole and Concrete Footing		
4.0		11+78.76		79.0	Light Pole and Concrete Footing		
5.0		12+13.84		-29.0	Light Pole and Concrete Footing		
6.0		12+69.31		-30.0	Light Pole and Concrete Footing		
7.0		13+23.49		-96.0	Light Pole and Concrete Footing		
8.0		13+38.85		-143.0	Light Pole and Concrete Footing		
9.0		13+78.60		-192.0	Light Pole and Concrete Footing		
10.0		14+09.32		41.0	Light Pole and Concrete Footing		
11.0		14+12.79		-98.0	Light Pole and Concrete Footing		
12.0		14+30.93		-138.0	Light Pole and Concrete Footing		
13.0		14+49.36		-179.0	Light Pole and Concrete Footing		
14.0		14+56.14		30.0	Light Pole and Concrete Footing		
15.0		14+63.06		-29.0	Light Pole and Concrete Footing		
16.0		15+05.90		29.0	Light Pole and Concrete Footing		
17.0		15+06.36		-29.0	Light Pole and Concrete Footing		
18.0		15+28.85		-29.0	Light Pole and Concrete Footing		

SIDEWALK REMOVAL						110_05 8/15/22
* Not a bid item						
Line No.	Station From	Station To	Area (SY)	Saw Cut* (LF)	Remarks	
1.0	9+88.59	10+10.84	27.9	11.5		
2.0	9+83.67	10+08.45	22.6	10.0		
3.0	10+68.52	10+73.63	26.6	15.0		
4.0	10+67.96	11+10.11	65.2	5.0		
5.0	10+80.39	10+99.03	10.6		BRICK	
6.0	11+28.85	12+29.69	159.1			
7.0	11+39.79	11+83.68	24.6		BRICK	
8.0	11+90.69	12+20.13	16.7		BRICK	
9.0	12+49.55	13+83.93	251.3	16.3		
10.0	12+58.79	12+89.29	17.3		BRICK	
11.0	13+07.34	13+18.05	11.0		BRICK	
12.0	13+15.31	13+32.98	24.5		BRICK	
13.0	13+30.14	13+47.89	24.7		BRICK	
14.0	13+45.08	13+83.93	17.4		BRICK	
15.0	14+00.40	14+71.80	150.3	30.0		
16.0	14+10.19	15+55.16	81.6	5.0	BRICK	
17.0	14+00.40	14+22.66	41.1		BRICK	
18.0	14+25.63	14+41.15	21.4		BRICK	
19.0	14+44.07	14+53.41	13.4		BRICK	
20.0	13+61.05	13+68.86	9.6		BRICK	
21.0	13+44.11	14+68.48	126.7	11.1		
22.0	13+44.81	13+83.46	57.5		BRICK	
23.0	13+98.72	15+55.13	91.5	5.0	BRICK	

SIDEWALKS
See MI-220 and S Sheets



Line No.	Intersection/Road	Quadrant/Side	A (FT)	B (FT)	S (%)	Sidewalk Thickness (IN)	Sidewalk Length (FT)	Sidewalk Width (FT)	Sidewalk Area (SY)	4" PCC Sidewalk (SY)	6" PCC Sidewalk (SY)	8" PCC Sidewalk (SY)	10" PCC Sidewalk (SY)	Detectable Warnings (SF)	Remarks
1.0	2nd St/Brown St	NW							14.9		6.6	8.3			6in Landings and 8in Ramps
2.0	2nd St/Brown St	NW				5			9.3						5in Sidewalk
3.0	2nd St/Brown St	NW							4.4		4.4				6in Sidewalk
4.0	2nd St/Brown St	NE							19.6		3.6	16.1			6in Landings and 8in Ramps
5.0	2nd St/Brown St	NE				5			209.6						5in Sidewalk
7.0	2nd St/Brown St	SE							7.5		2.8	4.7			6in Landings and 8in Ramps
8.0	2nd St/Brown St	SE				5			140.1						5in Sidewalk
10.0	2nd St/Brown St	SW							20.9		4.7	16.2			6in Landings and 8in Ramps
11.0	2nd St/Brown St	SW				5			1.0						5in Sidewalk
12.0	2nd St/Brown St	SW							4.3		4.3				6in Sidewalk
13.0	Gaines St/2nd St	NW							18.1		13.0	5.1			6in Landings and 8in Ramps
14.0	Gaines St/2nd St	NW				5			229.6						5in Sidewalk
15.0	Gaines St/2nd St	NW							138.7		138.7				6in Sidewalk
16.0	Gaines St/2nd St	NE							13.0		13.0				6in Landings and 8in Ramps
17.0	Gaines St/2nd St	NE				5			239.0						5in Sidewalk
18.0	Gaines St/2nd St	NE							130.4		130.4				6in Sidewalk
19.0	Gaines St/2nd St	SE							24.8		14.9	9.9			6in Landings and 8in Ramps
20.0	Gaines St/2nd St	SE				5			139.9						5in Sidewalk
21.0	Gaines St/2nd St	SE							132.3		132.3				6in Sidewalk
22.0	Gaines St/2nd St	SW							19.4		10.1	9.3			6in Landings and 8in Ramps
23.0	Gaines St/2nd St	SW				5			43.0						5in Sidewalk
24.0	Gaines St/2nd St	SW							79.4		79.4				6in Sidewalk

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190_51
2/10/23


MATERIALS FOR TYPE 'A' SIGNS													
Refer to SI-101, SI-111, SI-119 and N Sheets.													
Line No.	Type A Signing Typicals	Sign Number	Dir. of Travel	Sign Location Station	Wood Posts (No.)	4 x 6 Leg 1 (FT)	4 x 6 Leg 2 (FT)	Perf. Sq. Steel Leg 1 (FT)	Perf. Sq. Steel Leg 2 (FT)	Perf. Sq. Steel Leg 3 (FT)	Perf. Sq. Anchor Type	Anchor Quantity (EA)	Remarks
1.0	36X36	W9-2	NB	19+19.30				9.0			Concrete	1	
2.0	36X36	W4-2R	NB	20+44.21				9.0			Concrete	1	
3.0	24X24	R8-3A	NB	21+54.53							Soil		
4.0	24X24	M1-4	NB	21+54.53				10.5	10.5		Soil	2	
5.0	24X12	M3-3	NB	21+54.53							Soil		
6.0	21X15	M6-2	NB	21+54.53							Soil		
7.0	30X30	R1-1	NB	22+18.46				9.0			Soil	1	
8.0	24X24	R8-3A	EB	11+14.02				9.0			Soil	1	
9.0	24X30	R2-1	EB	11+14.02							Soil		
10.0	24X24	M1-4	EB	11+42.89				10.5			Soil	1	
11.0	24X12	M3-3	EB	11+42.89							Soil		
12.0	21X15	M6-2	EB	11+42.89							Soil		
13.0	42X48	R12-5B	EB	11+73.19				10.5	10.5		Soil	2	
14.0	36X36	W4-L1	SB	12+81.75				10.0			Concrete	1	
15.0	24X24	M1-4	SB	13+29.41				10.5			Concrete	1	
16.0	24X12	M3-3	SB	13+29.41							Concrete		
17.0	21X15	M6-2	SB	13+29.41							Concrete		
18.0	30X30	W11-2	EB	13+65.79				10.0			Concrete	1	
19.0	12X24	W16-7P	EB	13+65.79							Concrete		
20.0	30x30	R5-1	WB	13+81.81				10.0			Concrete	1	
21.0	30X30	W11-2	EB	13+83.49				10.0			Concrete	1	
22.0	12X24	W16-7P	EB	13+83.49							Concrete		
23.0	24X24	R8-3A	WB	14+50.80				9.0			Concrete	1	
24.0	30x30	R3-7L	WB	15+00.23				10.5			Concrete	1	
25.0	24X24	M1-4	WB	15+00.23				10.5			Concrete	1	
26.0	24X12	M3-3	WB	15+00.23							Concrete		
27.0	21X15	M6-2	WB	15+00.23							Concrete		

190_66 9/29/23						
SUMMARY OF TYPE 'A' SIGNS						
Line No.	Sign Number	Standard Sign Number or Name	Quantity (EA)	Size (IN)	Total Sign Area (SF)	Remarks
1.0	W9-2		1	36X36	9.0	W9-2, LANE ENDS MERGE LEFT
2.0			1	36X36	18.0	W4-2R, LANE ENDS
3.0			1	24X24	22.0	R8-3A, NO PARKING SIGN
4.0	M1-4		1	24X24	26.0	ROUTE 67
5.0	M3-3		1	24X12	28.0	SOUTH
6.0	M6-2		1	21X15	30.2	DIRECTIONAL ARROW
7.0	R1-1		1	30X30	36.4	STOP SIGN
8.0			1	24X24	40.4	R8-3A, NO PARKING SIGN
9.0	R2-1		1	24X30	45.4	SPEED LIMIT SIGN
10.0	M1-4		1	24X24	49.4	ROUTE 67
11.0	M3-3		1	24X12	51.4	SOUTH
12.0	M6-2		1	21X15	53.6	DIRECTIONAL ARROW
13.0	R12-5B		1	42X48	67.6	SEE 0 SHEETS FOR SIGN TEXT
14.0			1	36X36	76.6	W4-L1, LANE SIGN
15.0	M1-4		1	24X24	80.6	ROUTE 67
16.0	M3-3		1	24X12	82.6	SOUTH
17.0	M6-2		1	21X15	84.8	DIRECTIONAL ARROW
18.0			1	30X30	91.1	W11-2, PEDESTRIAN SIGN
19.0			1	12X24	93.1	W16-7P, ARROW
20.0	R5-1		1	30x30	99.3	DO NOT ENTER SIGN
21.0			1	30X30	105.6	W11-2, PEDESTRIAN SIGN
22.0			1	12X24	107.6	W16-7P, ARROW
23.0			1	24X24	111.6	R8-3A, NO PARKING SIGN
24.0			1	30x30	117.8	R3-7L, LEFT LANE MUST TURN LEFT
25.0	M1-4		1	24X24	121.8	ROUTE 67
26.0	M3-3		1	24X12	123.8	SOUTH
27.0	M6-2		1	21X15	126.0	DIRECTIONAL ARROW

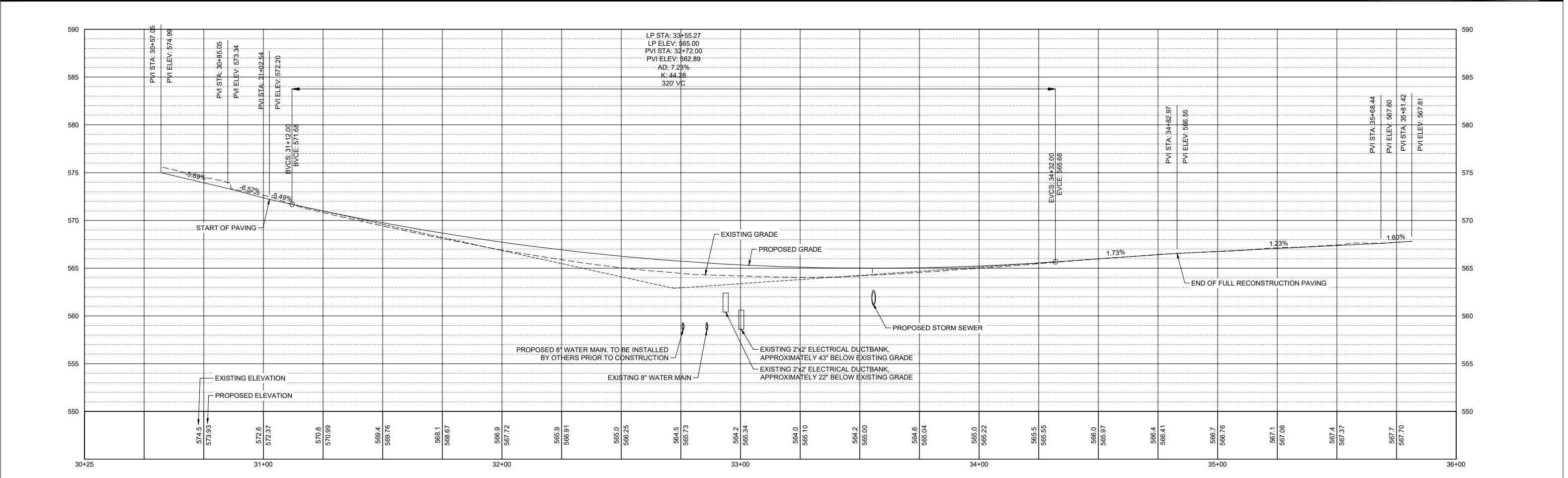
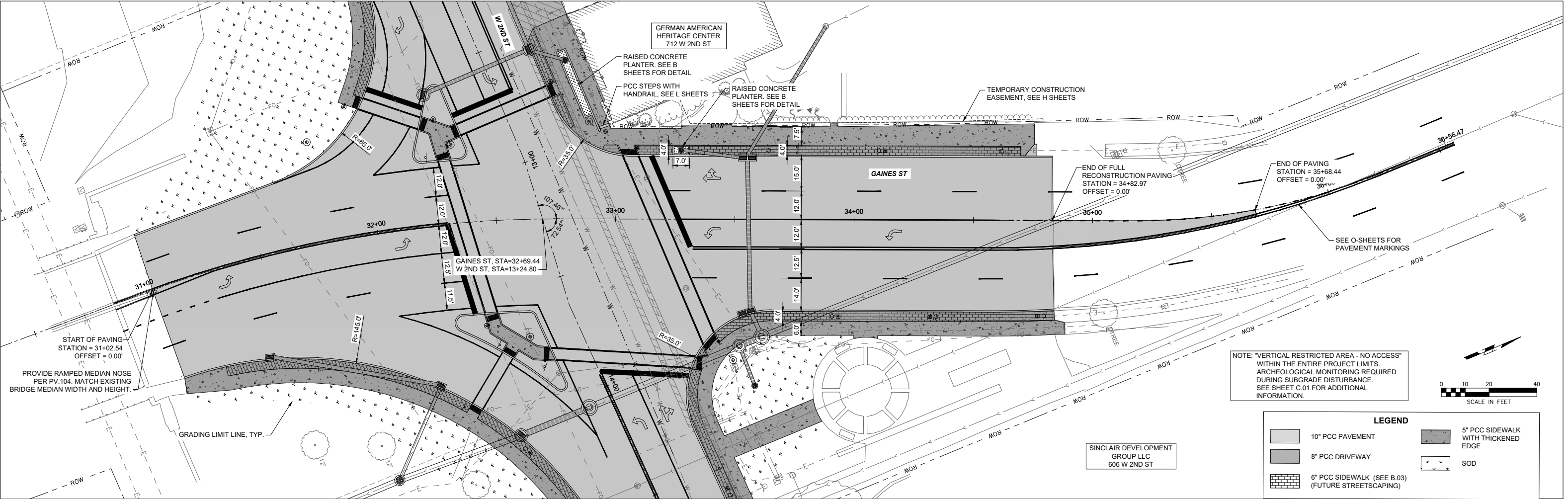
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<div>110.12 1/13/23</div> <div>POLLUTION PREVENTION PLAN</div> <div><p>This project is regulated by the requirements of the Iowa Department of Natural Resources (DNR) National Pollutant Discharge Elimination System (NPDES) General Permit No. 2 OR an 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).</p><p>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.</p><p>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.</p><p>I. ROLES AND RESPONSIBILITIES</p><p>A. Designer:</p><ol style="list-style-type: none">Prepares Base PPP included in the project plan.Prepares Notice of Intent (NOI) submitted to Iowa DNR.Is signature authority on the Base PPP. If consultant designed, signature from Contracting Authority is also required.<p>B. Contractor:</p><ol style="list-style-type: none">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.Designates a Water Pollution Control Manager (WPCM), who has the duties and responsibilities as defined in Section 2602 of the Standard Specifications.Submits an Erosion Control Implementation Plan (ECIP) and ECIP updates according to Section 2602 of the Standard Specifications.Installs and maintains appropriate controls. This work may be subcontracted as documented through Subcontractor Request Forms (Form 830231).Supervises and implements good housekeeping practices according to Paragraph III, C, 2.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.Complies with training and certification requirements of Section 2602 of the Standard Specifications.Submits amended PPP site map according to Section 2602 of the Standard Specifications.<p>C. Subcontractors:</p><ol style="list-style-type: none">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 performing 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.Implement good housekeeping practices according to Paragraph III, C, 2.<p>D. RCE/Project Engineer:</p><ol style="list-style-type: none">Is Project Storm Water Manager.On projects where DOT is the Contracting Authority, is current with erosion control training or certification.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.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.Supervises all work necessary to meet storm water requirements at the Project, including work performed by contractors and subcontractors.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.Is familiar with the Project PPP and storm water site map.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.Is the point of contact for the Project for regulatory officials, Inspector, contractors, and subcontractors regarding storm water requirements.Is signature authority on Notice of Discontinuation.Maintains an up-to-date record of contractors, subcontractors, and subcontracted work items through Subcontractor Request Forms (Form 830231).Makes information to determine permit compliance available to the DNR upon their request.</div>				<div>110.12 1/13/23</div> <div>POLLUTION PREVENTION PLAN</div> <div><p>E. Inspector:</p><ol style="list-style-type: none">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.Makes information to determine permit compliance available to the DNR upon their request.Conducts joint required inspections of the site with the contractor/subcontractor.Completes an inspection report after each inspection.Is signature authority on storm water inspection reports.<p>II. PROJECT SITE DESCRIPTION</p><p>A. This Pollution Prevention Plan (PPP) is for the reconstruction of the intersection of Gaines St. and 2nd St and the associated roadways leading to and from the intersection from Brown St., Western Avenue, W. 3rd St. and the approaches to and from the northern end of Centennial Bridge, all located in Davenport, in Scott County, Iowa. Refer to Project Location Map on A.01 Title Sheet.</p><p>B. This PPP covers approximately 4.0 acres with an estimated 2.10 acres being disturbed. The portion of the PPP covered by this contract has 2.10 acres disturbed.</p><p>C. The PPP is in Soil Association 19 Fayette which has a hydrological classification of B. The estimated weighted average runoff coefficient number for this PPP after completion will be 0.86.</p><p>D. Storm Water Site Map is in the RR sheets - multiple sources of information supplement the base storm water site map including:</p><ol style="list-style-type: none">Drainage patterns -Plan and Profile sheets, and Storm Sewer sheetProposed Slopes - Typical Sections, Standard Road Plans, Plan and Profile sheets and Storm Sewer sheets.Areas of Soil Disturbance - construction limits shown on Plan and Profile sheets, Storm Sewer sheet, and RR sheets.Location of Structural Controls - Tabulations on C sheets, and RR sheets.Locations of Non-structural Controls - Tabulations on C sheets, and RR sheetsLocations of Stabilization Practices - Within construction limits shown on Plan and Profile sheets, Storm Sewer sheet, and RR sheetsSurface Waters (including wetlands) - Project location map and plan and profile sheets.Locations where storm water is discharged - Plan and Profile sheets and Storm Sewer sheet.<p>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.</p><p>F. Runoff from this work will flow into storm inlets that outlet into the Mississippi River.</p><p>III. CONTROLS</p><p>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.</p><p>B. Preserve vegetation in areas not needed for construction.</p><p>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.</p><p>1. EROSION AND SEDIMENT CONTROLS</p><p>a. Stabilization Practices</p><ol style="list-style-type: none">Site plans will ensure that existing vegetation or natural buffers are preserved where attainable and disturbed portions of the site will be stabilized.Initialize stabilization of disturbed areas immediately after clearing, grading, excavating, or other earth disturbing activities have:<ol style="list-style-type: none">Permanently ceased on any portion of the site, orTemporarily ceased on any portion of the site and will not resume for a period exceeding 14 calendar days.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.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.Preservation of existing vegetation within right-of-way or easements will act as vegetative buffer strips.Preservation of topsoil: Bid items to be used for this project are located in the Estimated Project Quantities (100-0A,</div>			
S-H PROJECT NO. 2240016730		SHIVE-HATTERY	GAINES STREET & 2ND STREET INTERSECTION IMPROVEMENTS	SCOTT	PROJECT NUMBER:HDP-1827(703)--71-82	POLLUTION PREVENTION PLAN	SHEET NUMBER C.16

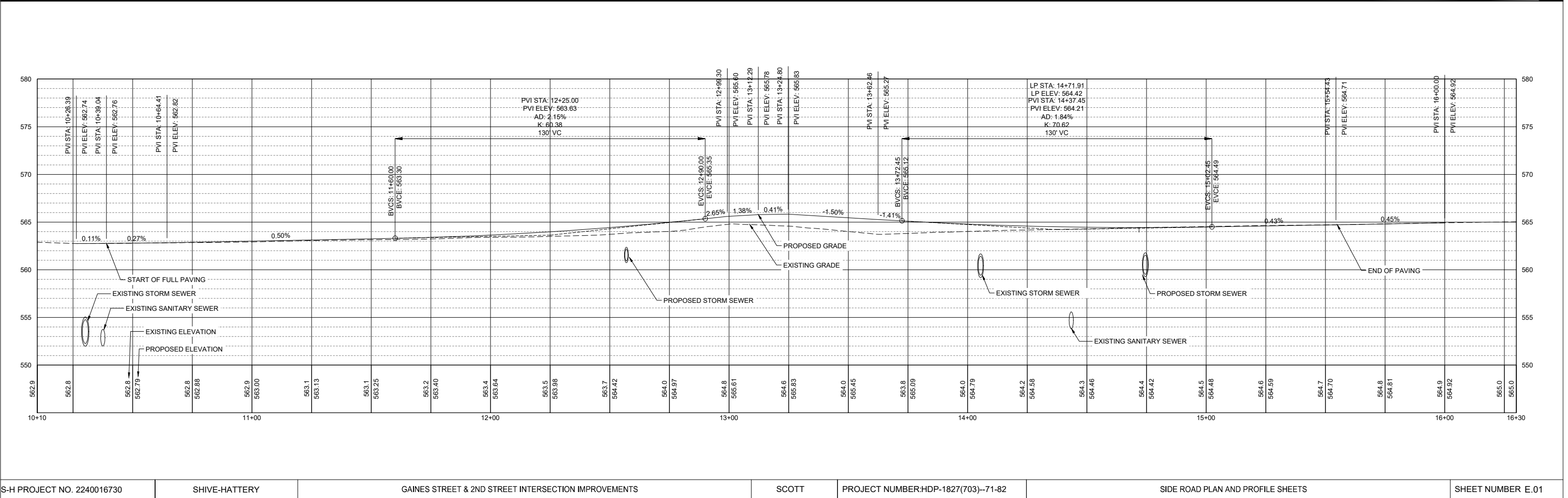
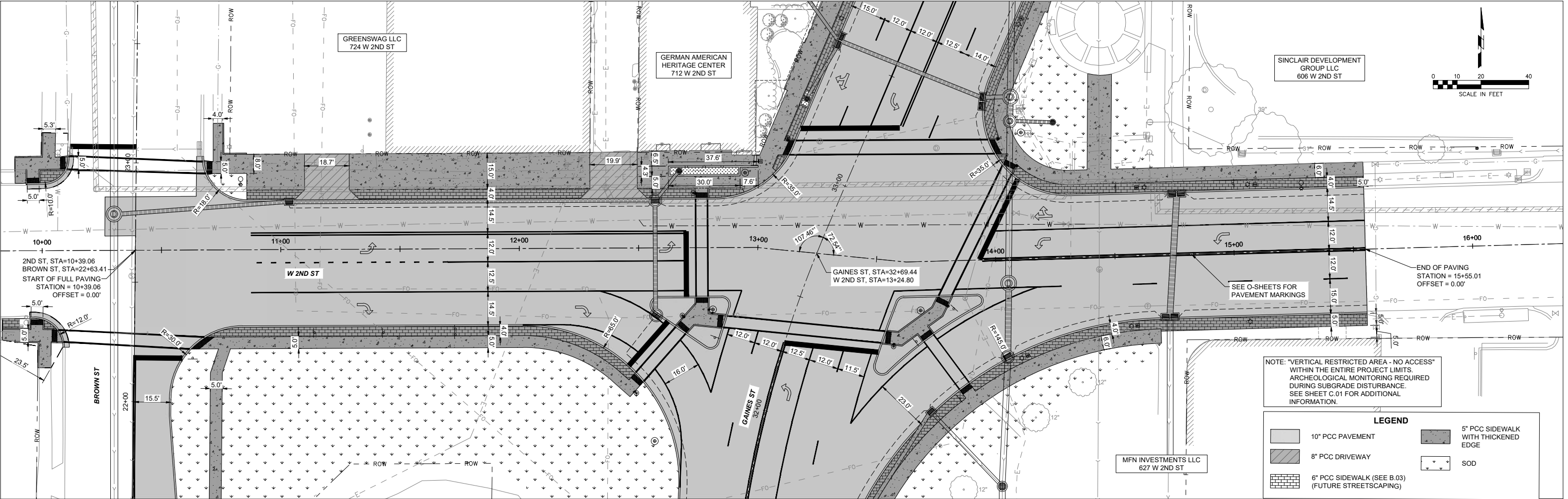
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POLLUTION PREVENTION PLAN				POLLUTION PREVENTION PLAN			
<p>100-1A, or 100-1C) and Estimate Reference Information (100-4A) located in the C or R sheets. Additional information may be found in the Tabulations in the C or T Tabulation sheets, or is referenced in Section 2105 of the Standard Specifications.</p> <p>b. Structural Practices</p> <p>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.</p> <p>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.</p> <p>c. Storm Water Management</p> <p>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.</p> <p>2. OTHER CONTROLS</p> <p>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.</p> <p>a. Vehicle Entrances and Exits - Construct and maintain entrances and exits to prevent tracking of sediments onto roadways.</p> <p>b. Material Delivery, Storage and Use - Implement practices to prevent discharge of construction materials during delivery, storage, and use.</p> <p>c. Stockpile Management - Install controls to reduce or eliminate pollution of storm water from stockpiles of soil and paving.</p> <p>d. Waste Disposal - Do not discharge any materials, including building materials, into waters of the state, except as authorized by a Section 404 permit.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>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.</p> <p>k. Dust Control - Take measures to control fugitive dust from construction site. Apply water or an approved chemical dust suppressant as needed in unpaved and non-vegetated areas; cover and stabilize material piles if not frequently accessed. For paved streets leading to and from construction site: sweep or vacuum streets at a frequency necessary to eliminate sediment tracking from the construction site.</p> <p>3. APPROVED STATE OR LOCAL PLANS</p> <p>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.</p> <p>IV. MAINTENANCE PROCEDURES</p> <p>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.</p>				<p>V. INSPECTION REQUIREMENTS</p> <p>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:</p> <p>1. Date of the inspection.</p> <p>2. Summary of the scope of the inspection.</p> <p>3. Name and qualifications of the personnel making the inspection.</p> <p>5. Review of erosion and sediment control measures within disturbed areas for the effectiveness in preventing impacts to receiving waters.</p> <p>6. Major observations related to the implementation of the PPP.</p> <p>7. Identification of corrective actions required to maintain or modify erosion and sediment control measures.</p> <p>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.</p> <p>VI. NON-STORM WATER DISCHARGES</p> <p>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.</p> <p>VII. POTENTIAL SOURCES OF OFF RIGHT-OF-WAY (ROW) POLLUTION</p> <p>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.</p> <p>VIII. DEFINITIONS</p> <p>A. Base PPP - Initial Pollution Prevention Plan.</p> <p>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.</p> <p>C. Fieldbook Entries - This contains the inspector's daily diary and bid item postings.</p> <p>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).</p> <p>E. Signature Authority - Representative authorized to sign various storm water documents.</p> <p>-----</p> <p>CERTIFICATION STATEMENT</p> <p>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.</p> <div><div></div><div>Signature</div></div> <div><div>Zachary Howell</div><div>Printed or Typed Name</div></div> <div><div></div><div>Signature</div></div> <div><div></div><div>Printed or Typed Name</div></div>			
S-H PROJECT NO. 2240016730	SHIVE-HATTERY	GAINES STREET & 2ND STREET INTERSECTION IMPROVEMENTS	SCOTT	PROJECT NUMBER:HDP-1827(703)--71-82	POLLUTION PREVENTION PLAN	SHEET NUMBER C.17	

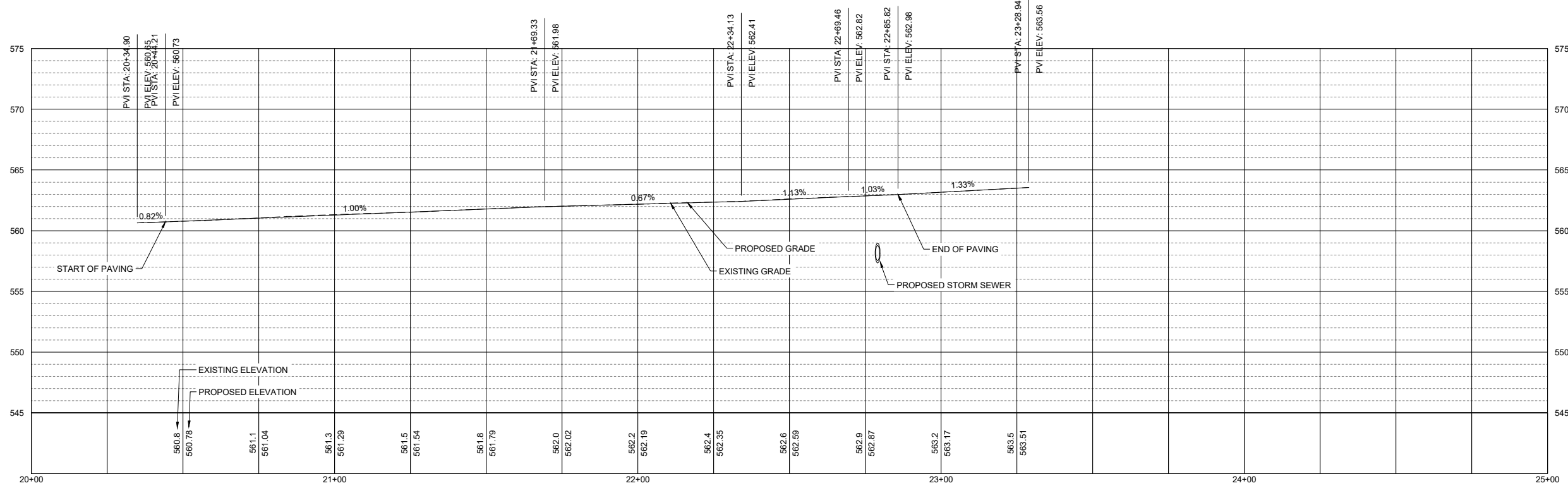
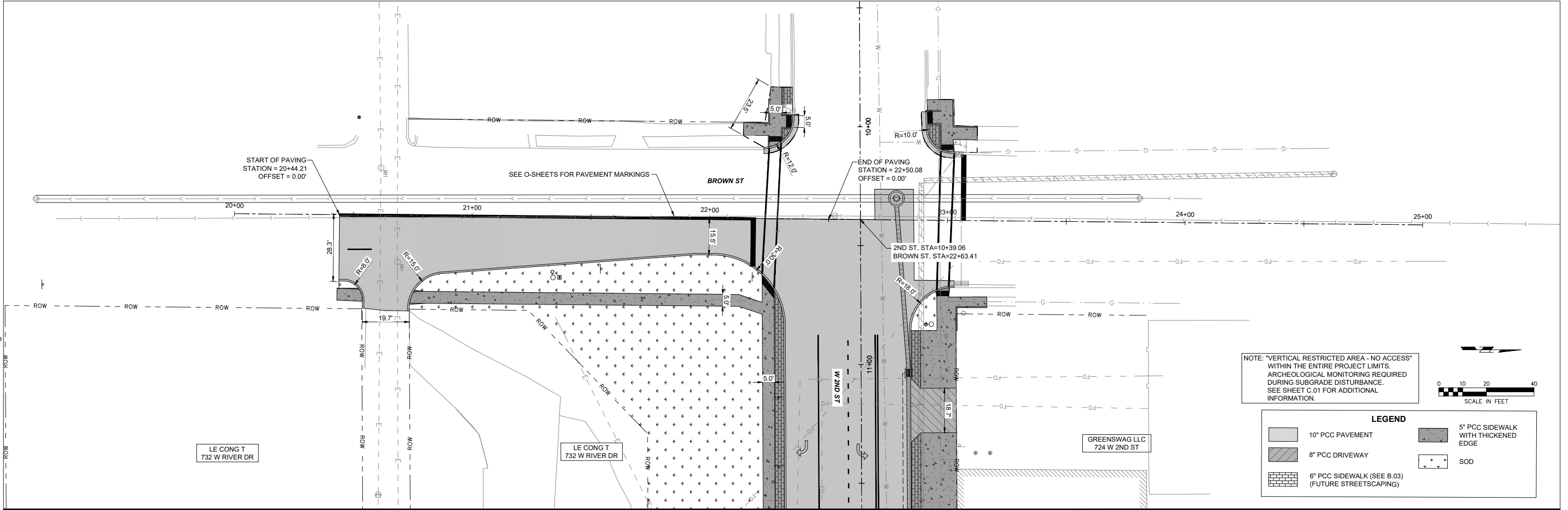
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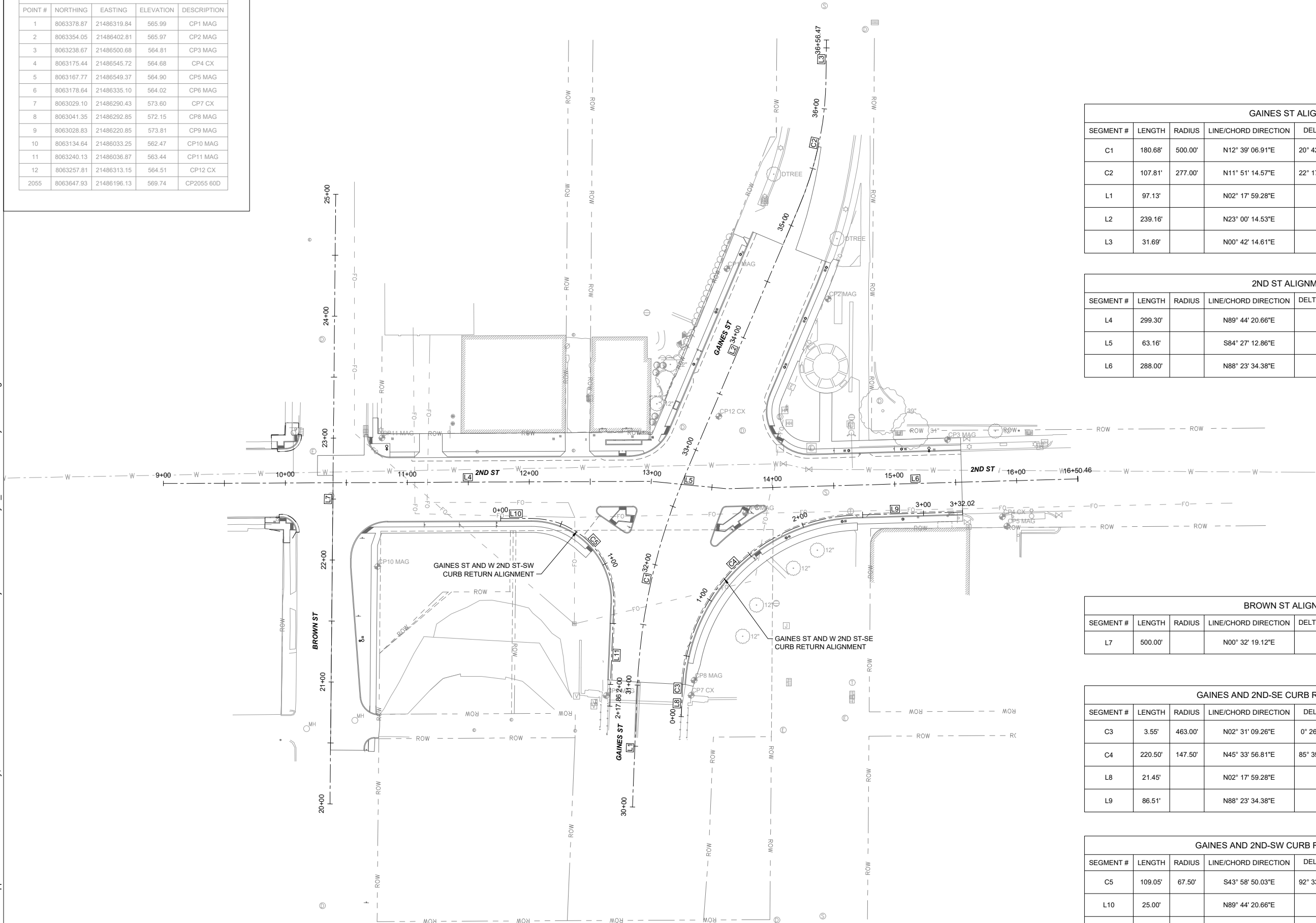


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CONTROL POINT TABLE				
POINT #	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	8063378.87	21486319.84	565.99	CP1 MAG
2	8063354.05	21486402.81	565.97	CP2 MAG
3	8063238.67	21486500.68	564.81	CP3 MAG
4	8063175.44	21486545.72	564.68	CP4 CX
5	8063167.77	21486549.37	564.90	CP5 MAG
6	8063178.64	21486335.10	564.02	CP6 MAG
7	8063029.10	21486290.43	573.60	CP7 CX
8	8063041.35	21486292.85	572.15	CP8 MAG
9	8063028.83	21486220.85	573.81	CP9 MAG
10	8063134.64	21486033.25	562.47	CP10 MAG
11	8063240.13	21486036.87	563.44	CP11 MAG
12	8063257.81	21486313.15	564.51	CP12 CX
2055	8063647.93	21486196.13	569.74	CP2055 60D



GAINES ST ALIGNMENT SEGMENT TABLE								
SEGMENT #	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA (Δ)	START POINT N = 8063034.43 E = 21486246.23	START STATION	END POINT N = 8063209.76 E = 21486285.59	END STATION
C1	180.68'	500.00'	N12° 39' 06.91"E	20° 42' 15.25"		30+97.127		32+77.806
C2	107.81'	277.00'	N11° 51' 14.57"E	22° 17' 59.93"	N = 8063429.90 E = 21486379.05	35+16.962	N = 8063534.75 E = 21486401.06	36+24.772
L1	97.13'		N02° 17' 59.28"E		N = 8062937.38 E = 21486242.33	30+00.000	N = 8063034.43 E = 21486246.23	30+97.127
L2	239.16'		N23° 00' 14.53"E		N = 8063209.76 E = 21486285.59	32+77.806	N = 8063429.90 E = 21486379.05	35+16.962
L3	31.69'		N00° 42' 14.61"E		N = 8063534.75 E = 21486401.06	36+24.772	N = 8063566.44 E = 21486401.41	36+56.466

2ND ST ALIGNMENT SEGMENT TABLE								
SEGMENT #	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA (Δ)	START POINT N = 8063203.14 E = 21485957.71	START STATION	END POINT N = 8063204.50 E = 21486257.00	END STATION
L4	299.30'		N89° 44' 20.66"E			10+00.000		12+99.296
L5	63.16'		S84° 27' 12.86"E		N = 8063204.50 E = 21486257.00	12+99.296	N = 8063198.40 E = 21486319.87	13+62.461
L6	288.00'		N88° 23' 34.38"E		N = 8063198.40 E = 21486319.87	13+62.461	N = 8063206.48 E = 21486607.76	16+50.464

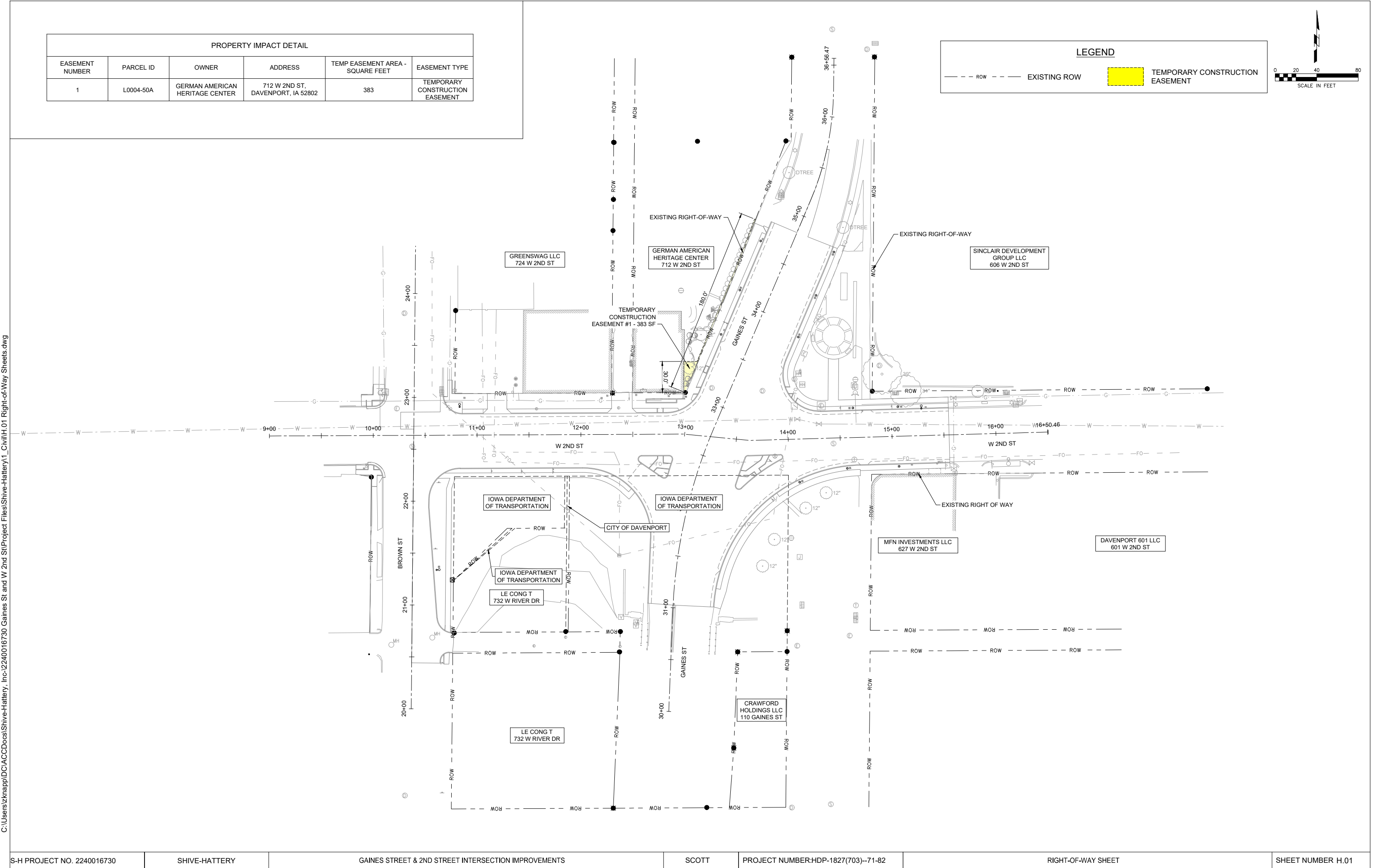
BROWN ST ALIGNMENT SEGMENT TABLE								
SEGMENT #	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA (Δ)	START POINT N = 8062939.92 E = 21485994.30	START STATION	END POINT N = 8063439.90 E = 21485999.00	END STATION
L7	500.00'		N00° 32' 19.12"E			20+00.000		25+00.000

GAINES AND 2ND-SE CURB RETURN ALIGNMENT SEGMENT TABLE								
SEGMENT #	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA (Δ)	START POINT N = 8063032.94 E = 21486283.20	START STATION	END POINT N = 8063036.49 E = 21486283.35	END STATION
C3	3.55'	463.00'	N02° 31' 09.26"E	0° 26' 19.95"		0+21.453		0+25.000
C4	220.50'	147.50'	N45° 33' 56.81"E	85° 39' 15.14"	N = 8063036.49 E = 21486283.35	0+25.000	N = 8063176.88 E = 21486426.55	2+45.505
L8	21.45'		N02° 17' 59.28"E		N = 8063011.51 E = 21486282.34	0+00.000	N = 8063032.94 E = 21486283.20	0+21.453
L9	86.51'		N88° 23' 34.38"E		N = 8063176.88 E = 21486426.55	2+45.505	N = 8063179.31 E = 21486513.03	3+32.018

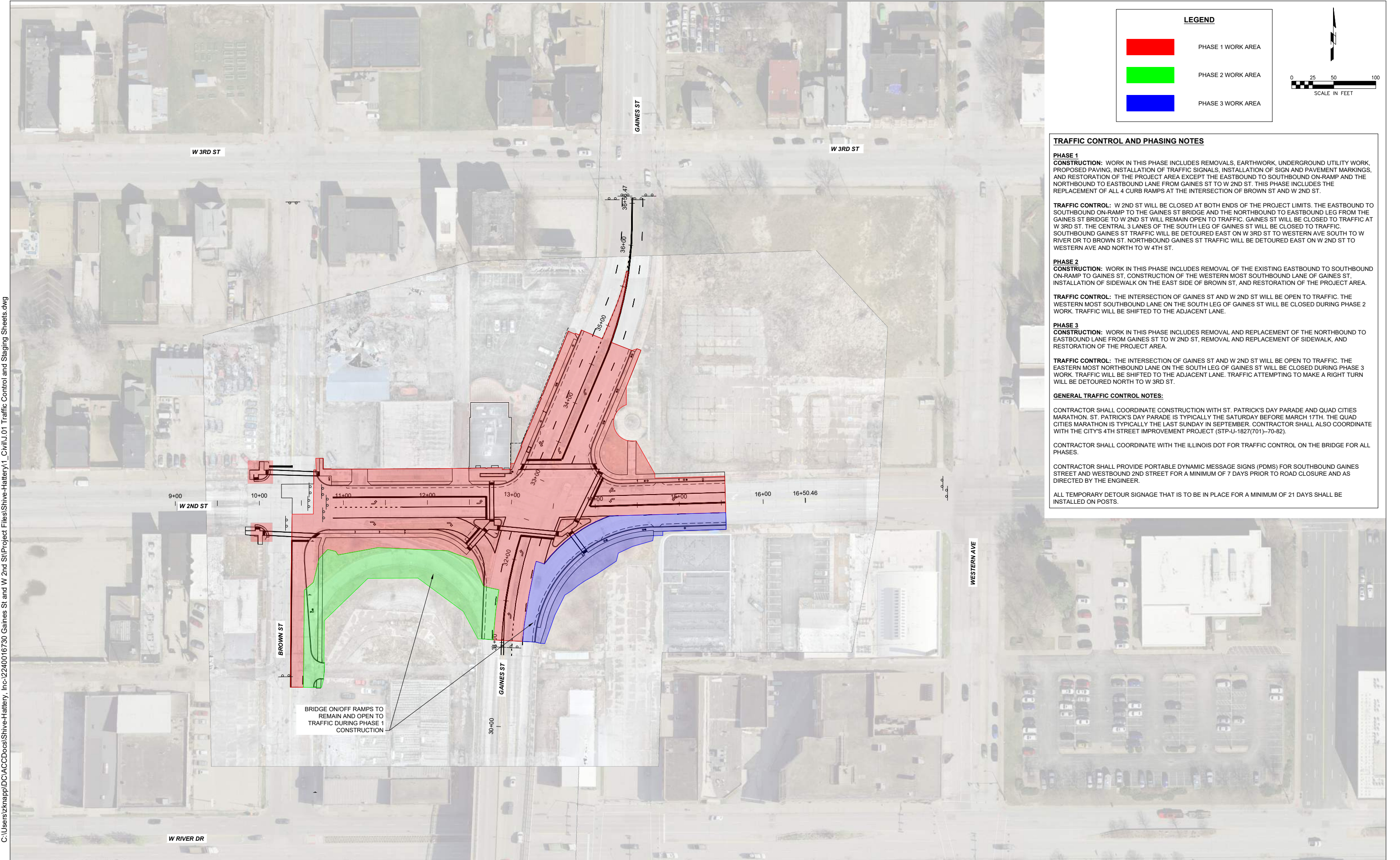
GAINES AND 2ND-SW CURB RETURN ALIGNMENT SEGMENT TABLE								
SEGMENT #	LENGTH	RADIUS	LINE/CHORD DIRECTION	DELTA (Δ)	START POINT N = 8063174.06 E = 21486159.25	START STATION	END POINT N = 8063103.85 E = 21486227.00	END STATION
C5	109.05'	67.50'	S43° 58' 50.03"E	92° 33' 38.62"		0+25.000		1+34.046
L10	25.00'		N89° 44' 20.66"E		N = 8063173.94 E = 21486134.25	0+00.000	N = 8063174.06 E = 21486159.25	0+25.000
L11	83.82'		S02° 17' 59.28"W		N = 8063103.85 E = 21486227.00	1+34.046	N = 8063020.10 E = 21486223.64	2+17.865

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PROPERTY IMPACT DETAIL					
EASEMENT NUMBER	PARCEL ID	OWNER	ADDRESS	TEMP EASEMENT AREA - SQUARE FEET	EASEMENT TYPE
1	L0004-50A	GERMAN AMERICAN HERITAGE CENTER	712 W 2ND ST, DAVENPORT, IA 52802	383	TEMPORARY CONSTRUCTION EASEMENT



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TRAFFIC CONTROL AND PHASING NOTES

PHASE 1
CONSTRUCTION: WORK IN THIS PHASE INCLUDES REMOVALS, EARTHWORK, UNDERGROUND UTILITY WORK, PROPOSED PAVING, INSTALLATION OF TRAFFIC SIGNALS, INSTALLATION OF SIGN AND PAVEMENT MARKINGS, AND RESTORATION OF THE PROJECT AREA EXCEPT THE EASTBOUND TO SOUTHBOUND ON-RAMP AND THE NORTHBOUND TO EASTBOUND LANE FROM GAINES ST TO W 2ND ST. THIS PHASE INCLUDES THE REPLACEMENT OF ALL 4 CURB RAMPS AT THE INTERSECTION OF BROWN ST AND W 2ND ST.

TRAFFIC CONTROL: W 2ND ST WILL BE CLOSED AT BOTH ENDS OF THE PROJECT LIMITS. THE EASTBOUND TO SOUTHBOUND ON-RAMP TO THE GAINES ST BRIDGE AND THE NORTHBOUND TO EASTBOUND LEG FROM THE GAINES ST BRIDGE TO W 2ND ST WILL REMAIN OPEN TO TRAFFIC. GAINES ST WILL BE CLOSED TO TRAFFIC AT W 3RD ST. THE CENTRAL 3 LANES OF THE SOUTH LEG OF GAINES ST WILL BE CLOSED TO TRAFFIC. SOUTHBOUND GAINES ST TRAFFIC WILL BE DETOURED EAST ON W 3RD ST TO WESTERN AVE SOUTH TO W RIVER DR TO BROWN ST. NORTHBOUND GAINES ST TRAFFIC WILL BE DETOURED EAST ON W 2ND ST TO WESTERN AVE AND NORTH TO W 4TH ST.

PHASE 2
CONSTRUCTION: WORK IN THIS PHASE INCLUDES REMOVAL OF THE EXISTING EASTBOUND TO SOUTHBOUND ON-RAMP TO GAINES ST, CONSTRUCTION OF THE WESTERN MOST SOUTHBOUND LANE OF GAINES ST, INSTALLATION OF SIDEWALK ON THE EAST SIDE OF BROWN ST, AND RESTORATION OF THE PROJECT AREA.

TRAFFIC CONTROL: THE INTERSECTION OF GAINES ST AND W 2ND ST WILL BE OPEN TO TRAFFIC. THE WESTERN MOST SOUTHBOUND LANE ON THE SOUTH LEG OF GAINES ST WILL BE CLOSED DURING PHASE 2 WORK. TRAFFIC WILL BE SHIFTED TO THE ADJACENT LANE.

PHASE 3
CONSTRUCTION: WORK IN THIS PHASE INCLUDES REMOVAL AND REPLACEMENT OF THE NORTHBOUND TO EASTBOUND LANE FROM GAINES ST TO W 2ND ST, REMOVAL AND REPLACEMENT OF SIDEWALK, AND RESTORATION OF THE PROJECT AREA.

TRAFFIC CONTROL: THE INTERSECTION OF GAINES ST AND W 2ND ST WILL BE OPEN TO TRAFFIC. THE EASTERN MOST NORTHBOUND LANE ON THE SOUTH LEG OF GAINES ST WILL BE CLOSED DURING PHASE 3 WORK. TRAFFIC WILL BE SHIFTED TO THE ADJACENT LANE. TRAFFIC ATTEMPTING TO MAKE A RIGHT TURN WILL BE DETOURED NORTH TO W 3RD ST.

GENERAL TRAFFIC CONTROL NOTES:

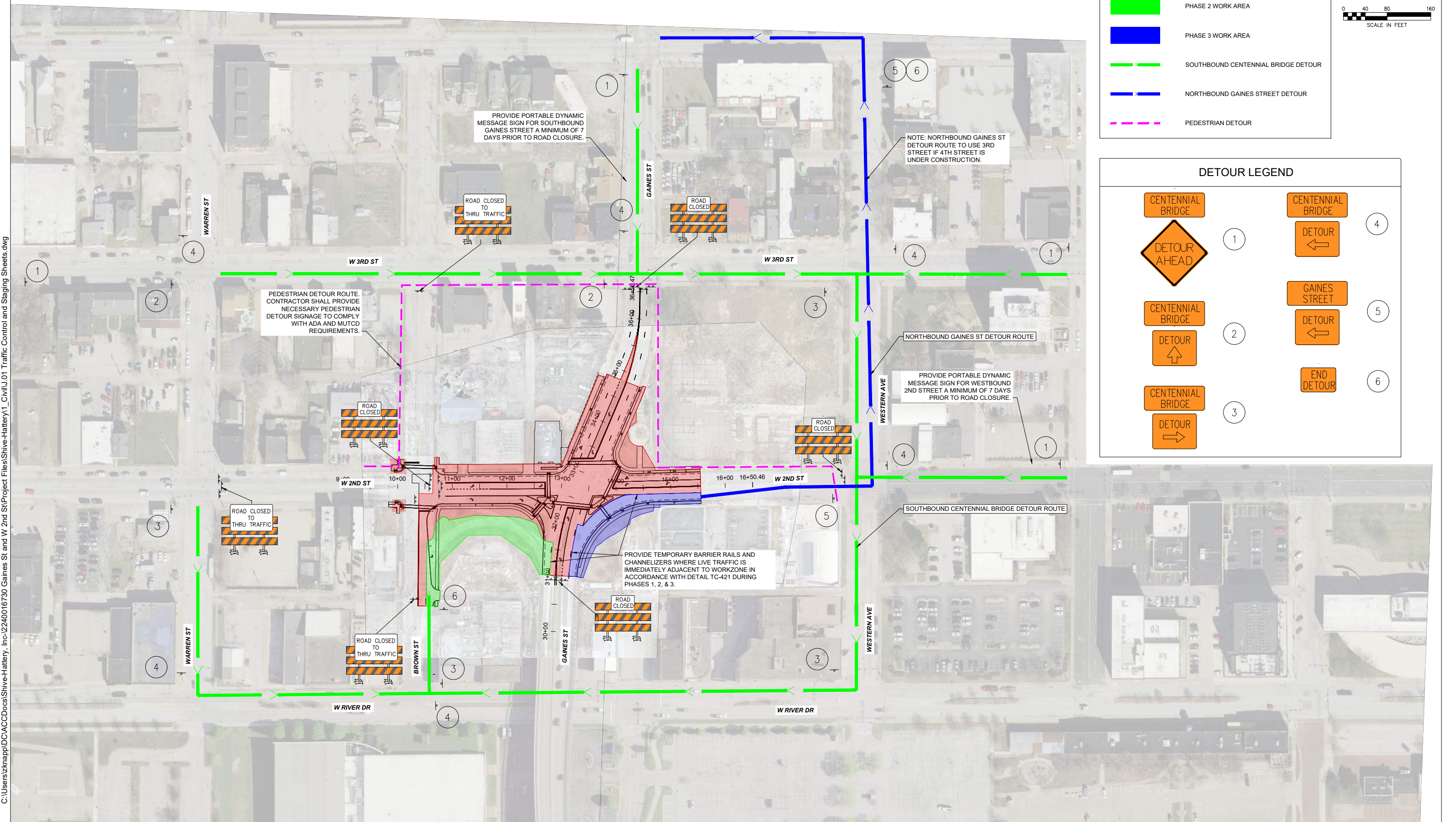
CONTRACTOR SHALL COORDINATE CONSTRUCTION WITH ST. PATRICK'S DAY PARADE AND QUAD CITIES MARATHON. ST. PATRICK'S DAY PARADE IS TYPICALLY THE SATURDAY BEFORE MARCH 17TH. THE QUAD CITIES MARATHON IS TYPICALLY THE LAST SUNDAY IN SEPTEMBER. CONTRACTOR SHALL ALSO COORDINATE WITH THE CITY'S 4TH STREET IMPROVEMENT PROJECT (STP-U-1827(701)-70-82).

CONTRACTOR SHALL COORDINATE WITH THE ILLINOIS DOT FOR TRAFFIC CONTROL ON THE BRIDGE FOR ALL PHASES.

CONTRACTOR SHALL PROVIDE PORTABLE DYNAMIC MESSAGE SIGNS (PDMS) FOR SOUTHBOUND GAINES STREET AND WESTBOUND 2ND STREET FOR A MINIMUM OF 7 DAYS PRIOR TO ROAD CLOSURE AND AS DIRECTED BY THE ENGINEER.

ALL TEMPORARY DETOUR SIGNAGE THAT IS TO BE IN PLACE FOR A MINIMUM OF 21 DAYS SHALL BE INSTALLED ON POSTS.

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LEGEND

PHASE 1 WORK AREA

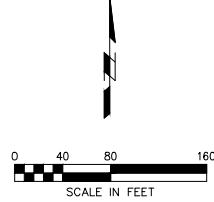
PHASE 2 WORK AREA

PHASE 3 WORK AREA

SOUTHBOUND CENTENNIAL BRIDGE DETOUR

NORTHBOUND GAINES STREET DETOUR

PEDESTRIAN DETOUR



DETOUR LEGEND

CENTENNIAL BRIDGE

1

DETOUR AHEAD

CENTENNIAL BRIDGE

2

DETOUR

CENTENNIAL BRIDGE

3

DETOUR

CENTENNIAL BRIDGE

4

DETOUR

CENTENNIAL BRIDGE

5

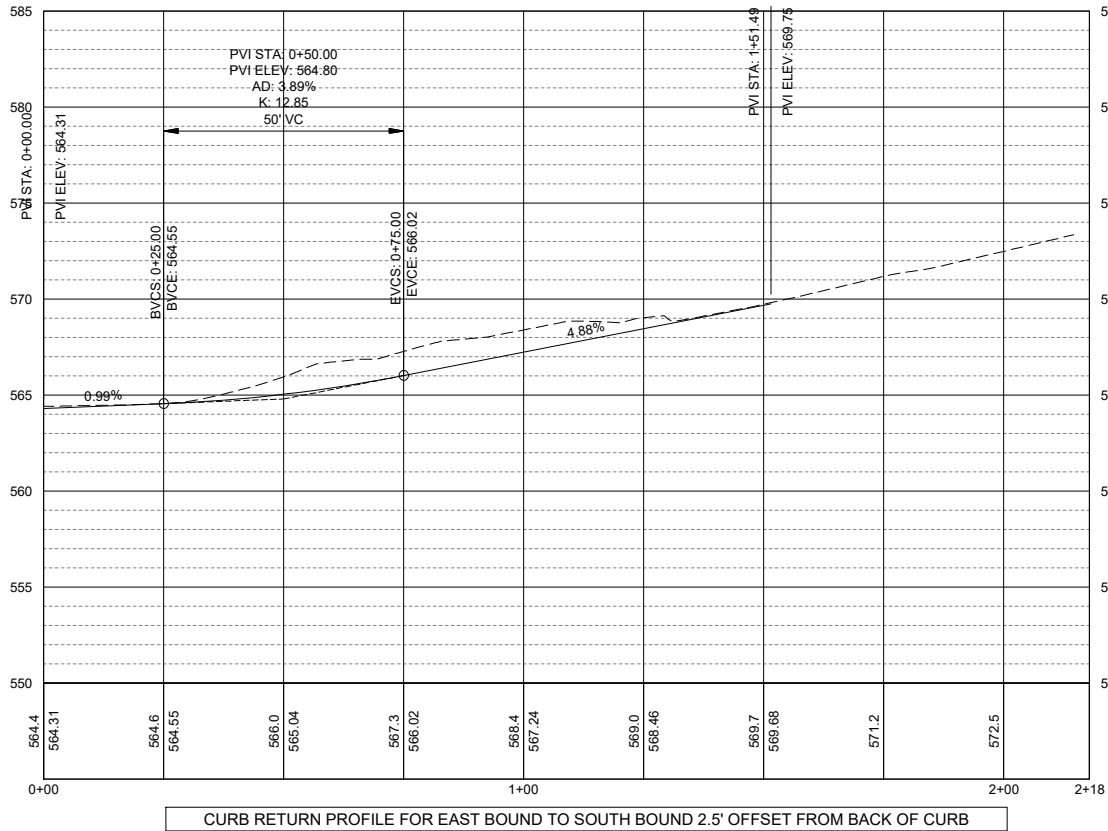
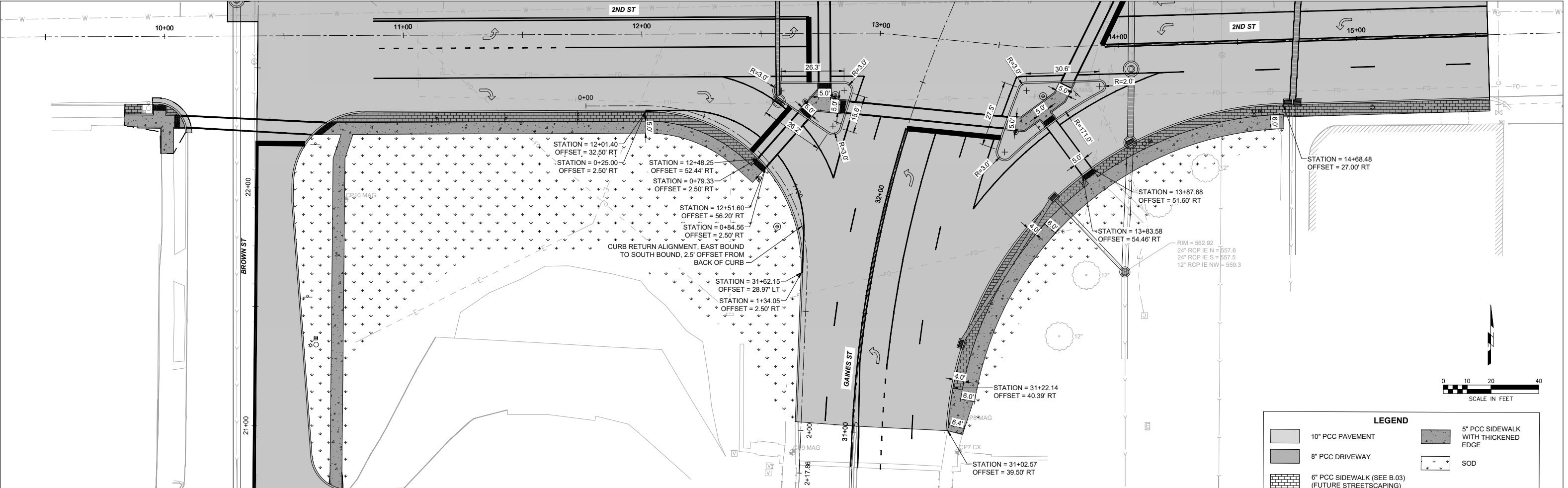
DETOUR

CENTENNIAL BRIDGE

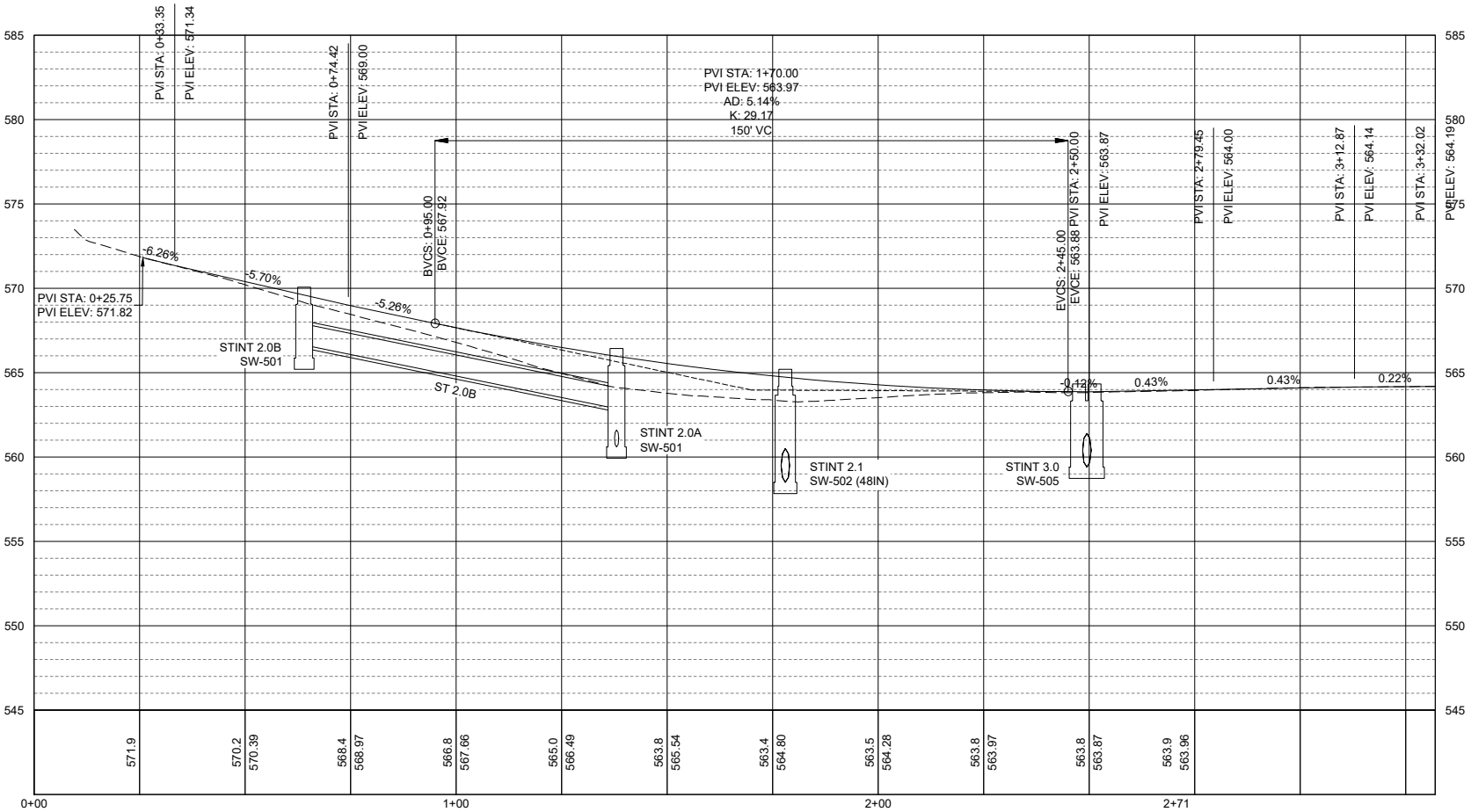
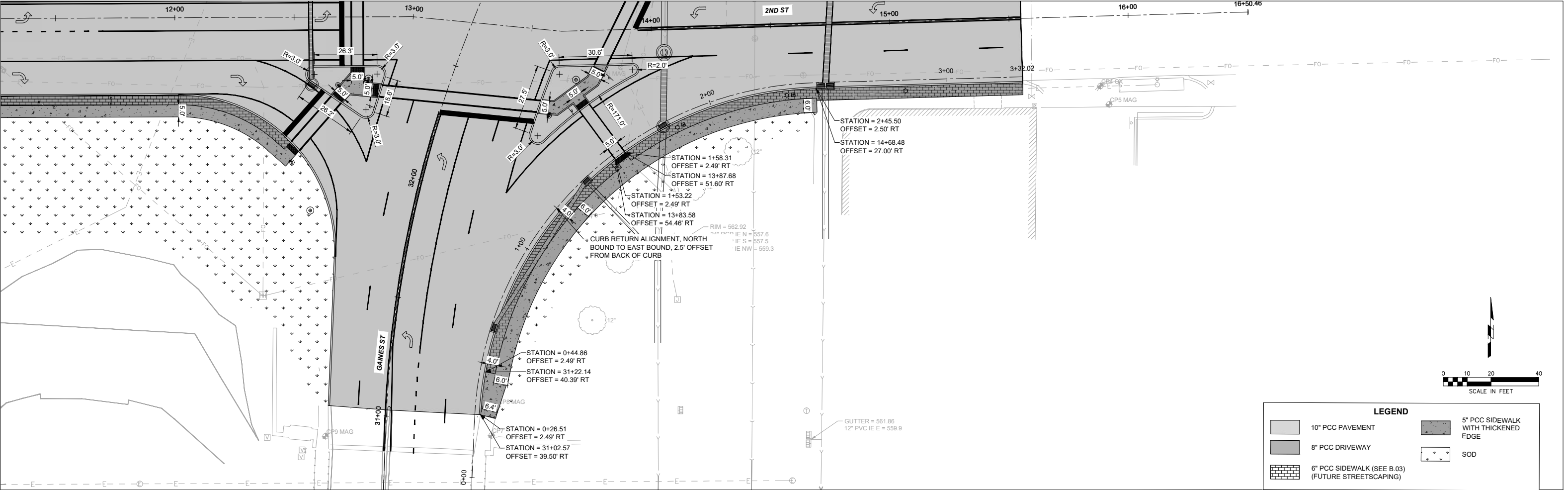
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END DETOUR

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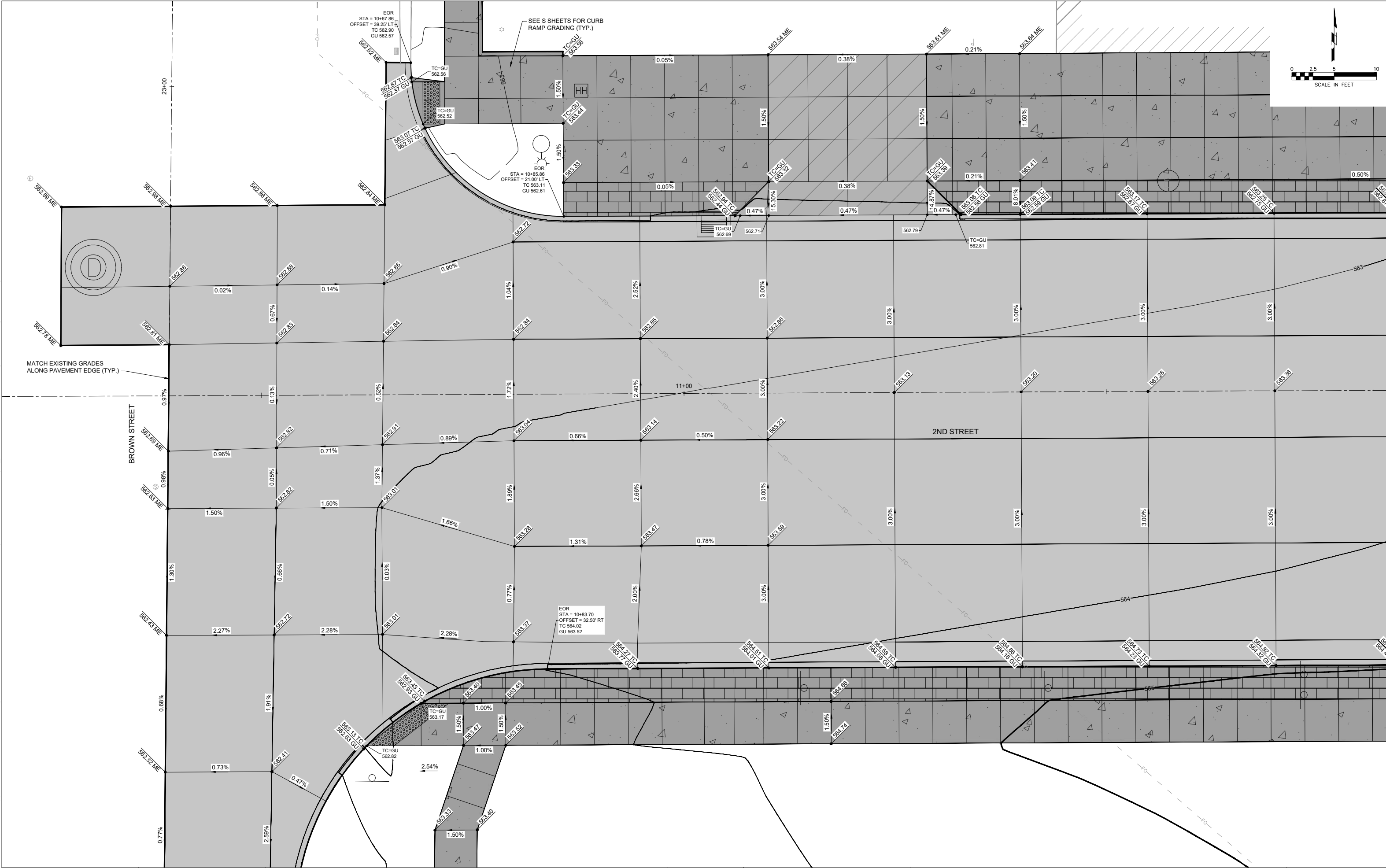


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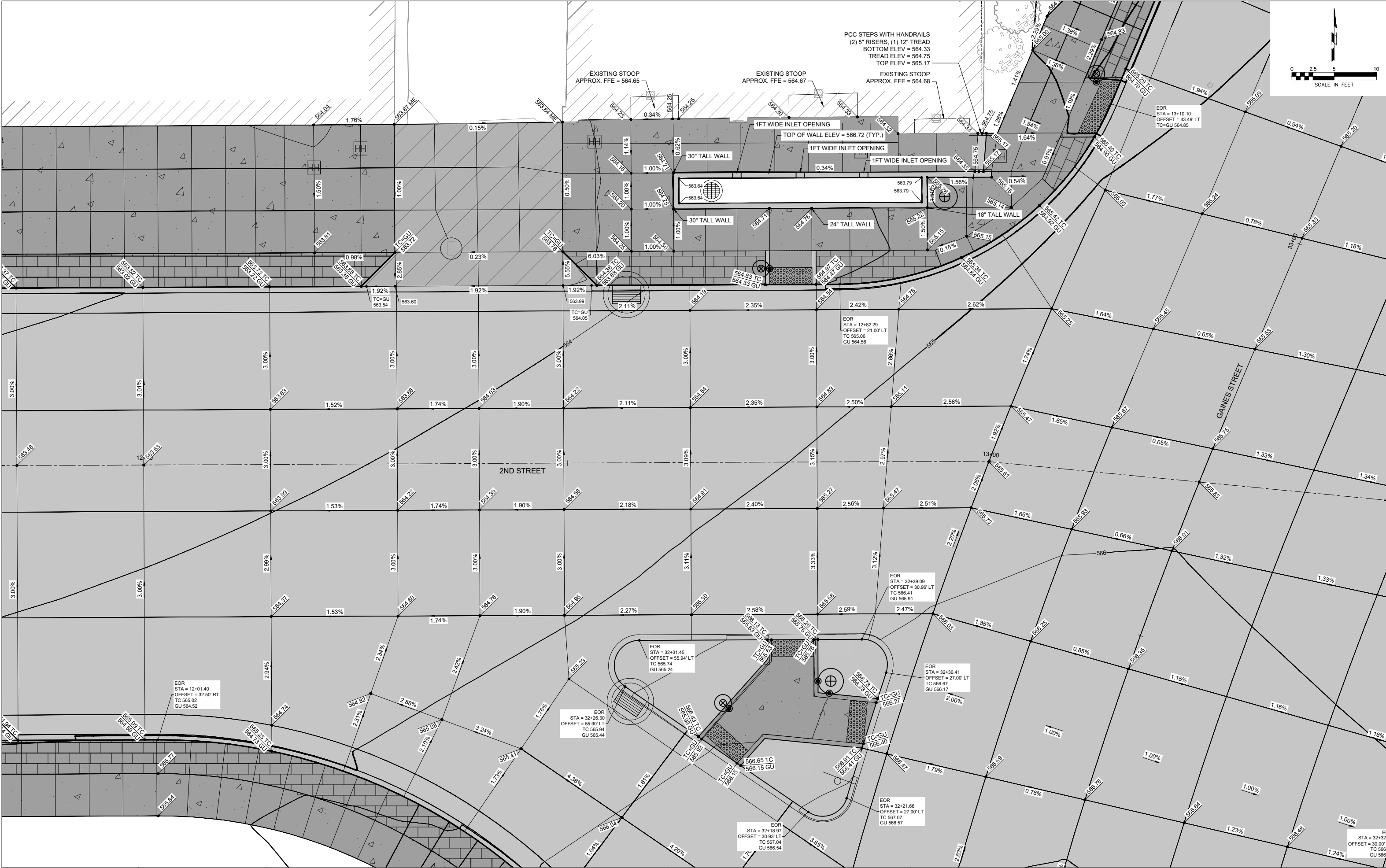


CURB RETURN PROFILE FOR NORTH BOUND TO EAST BOUND 2.5' OFFSET FROM BACK OF CURB

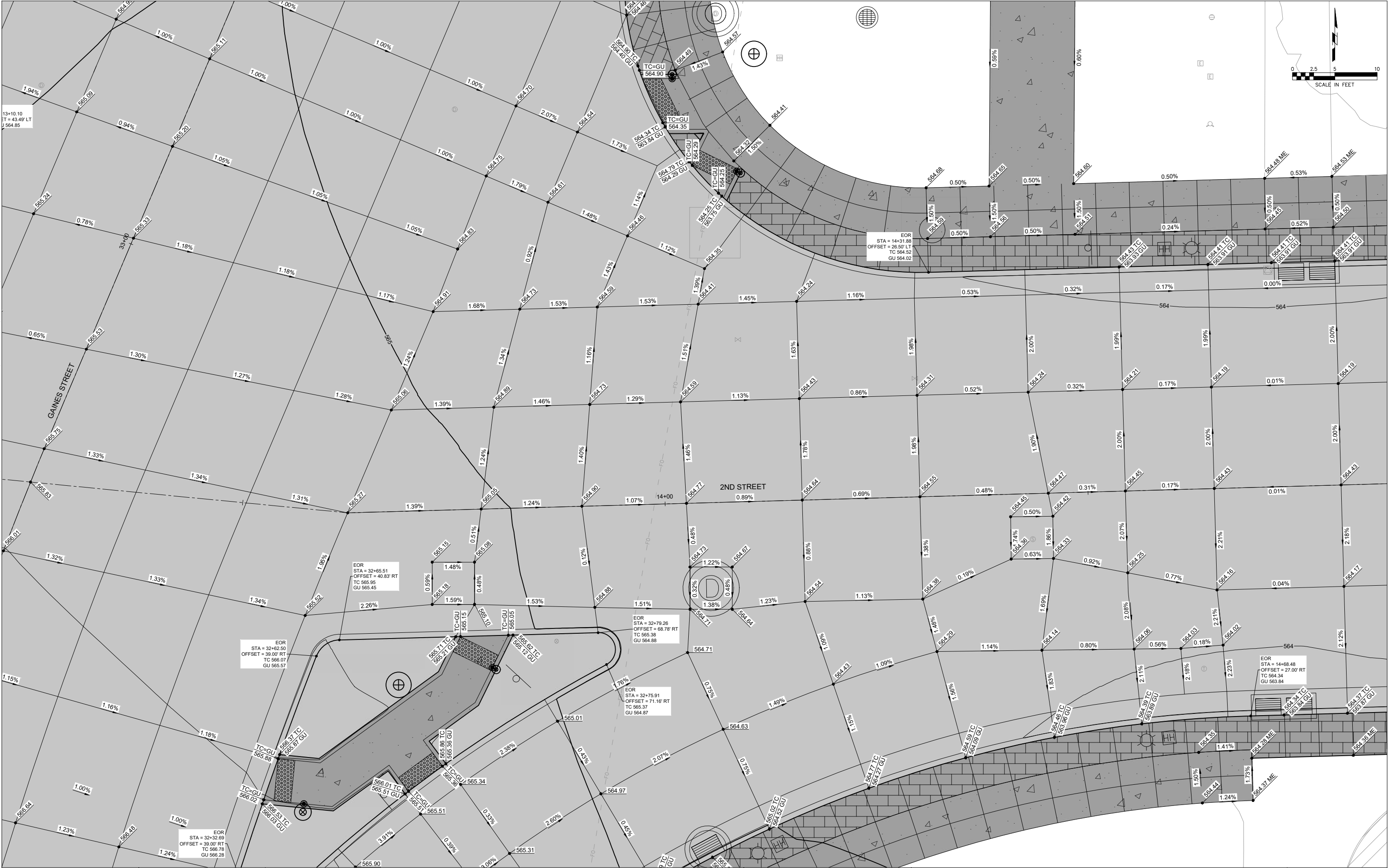
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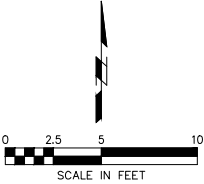
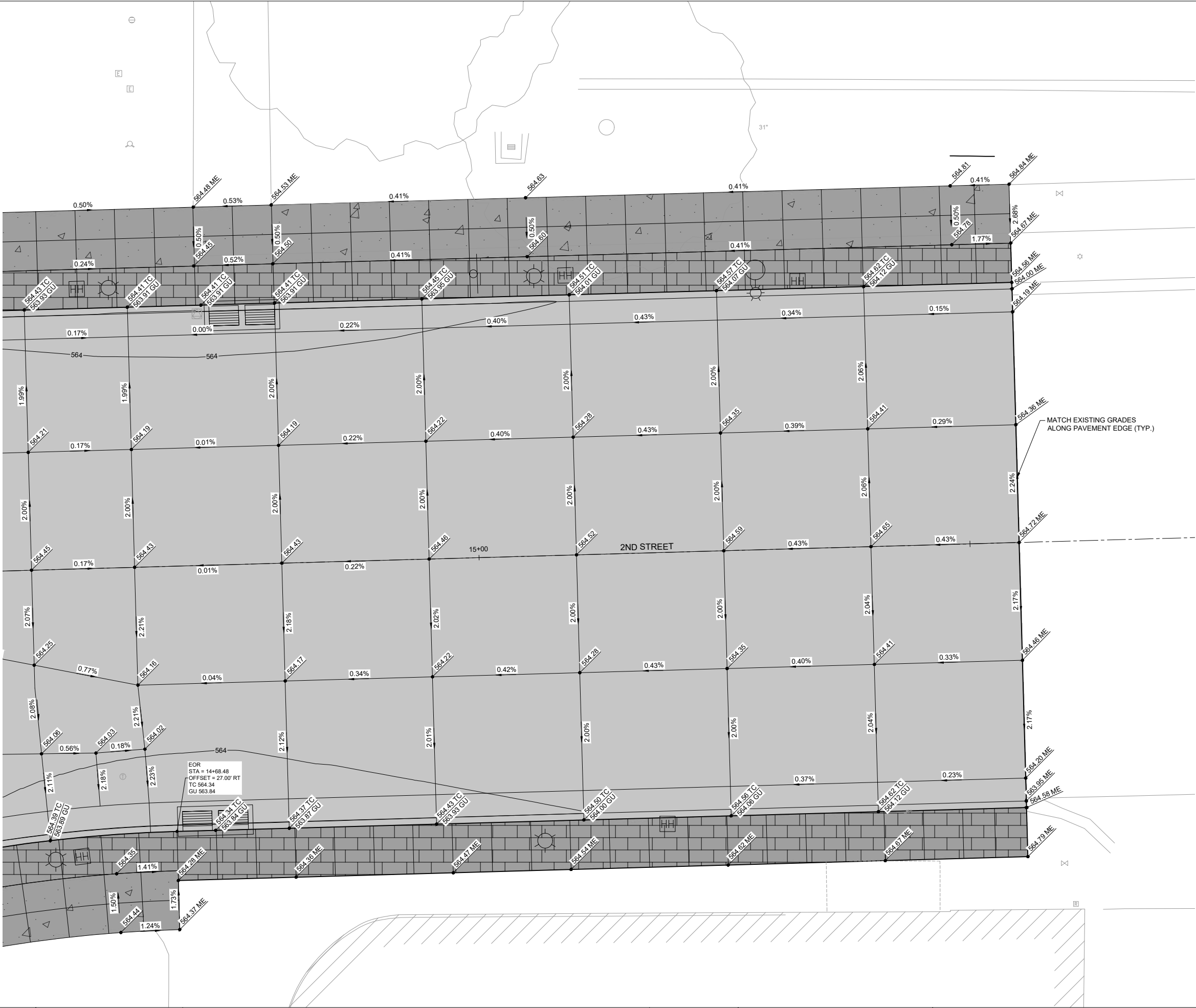
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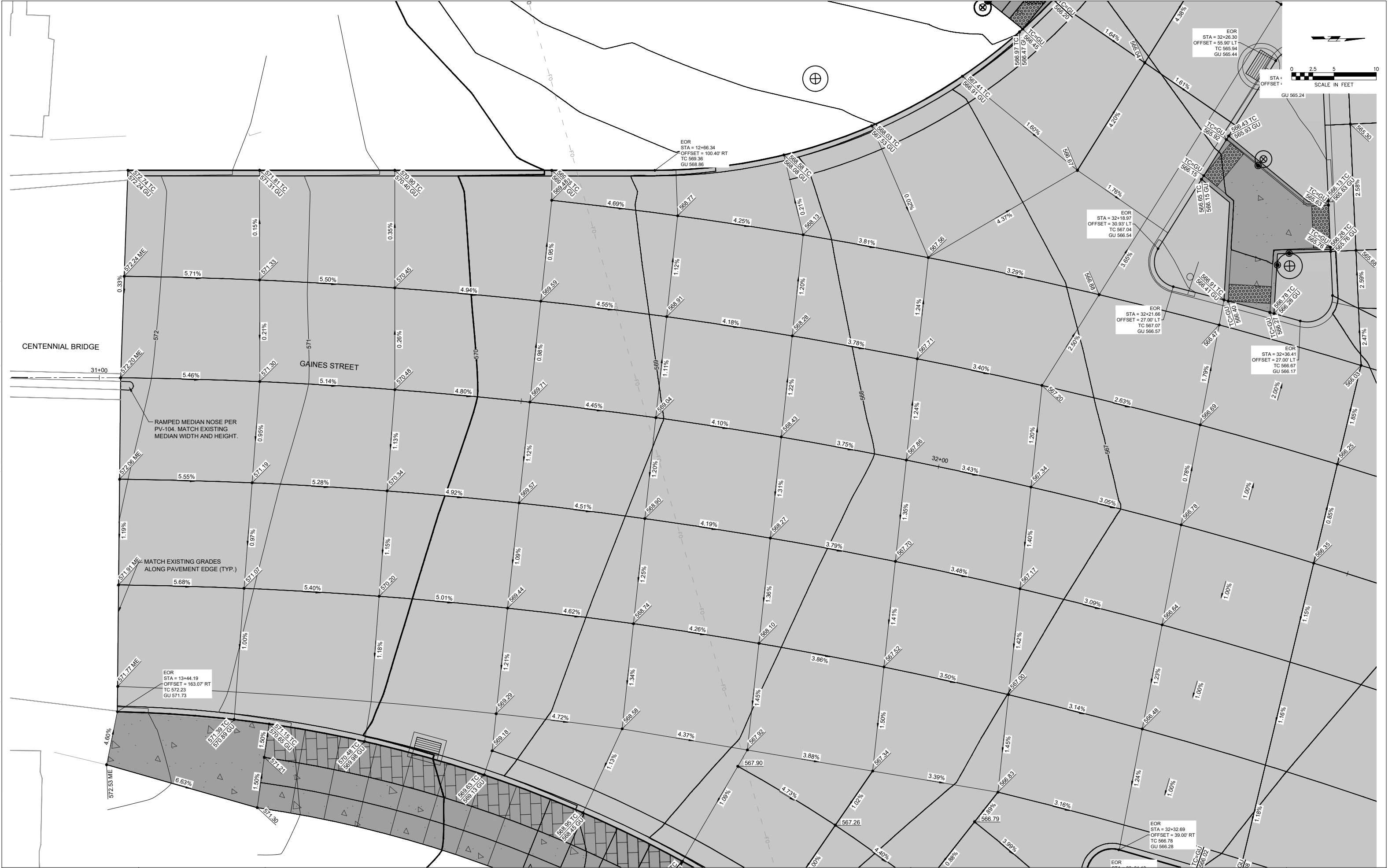
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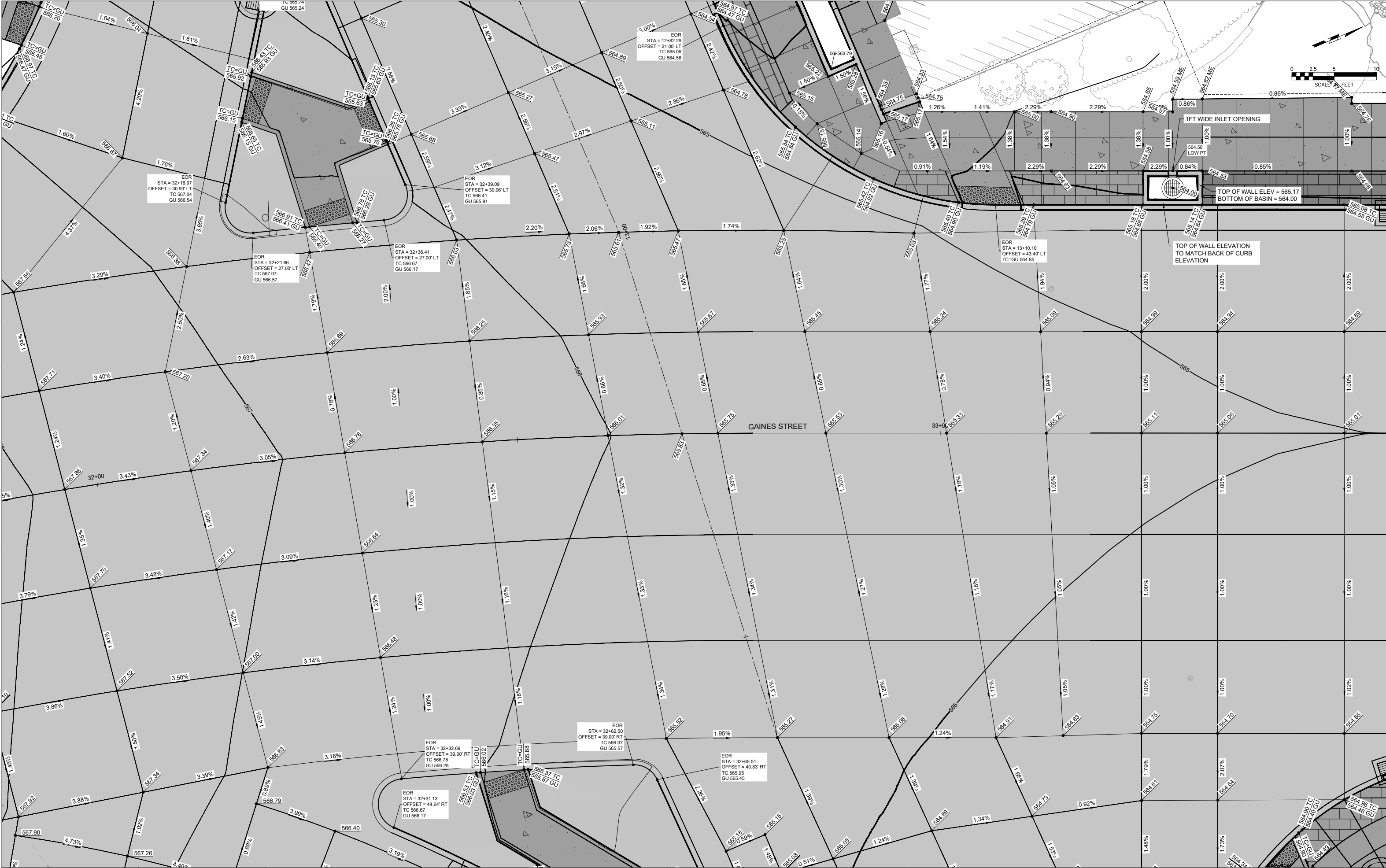
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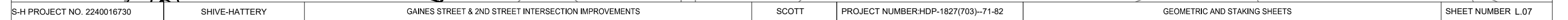


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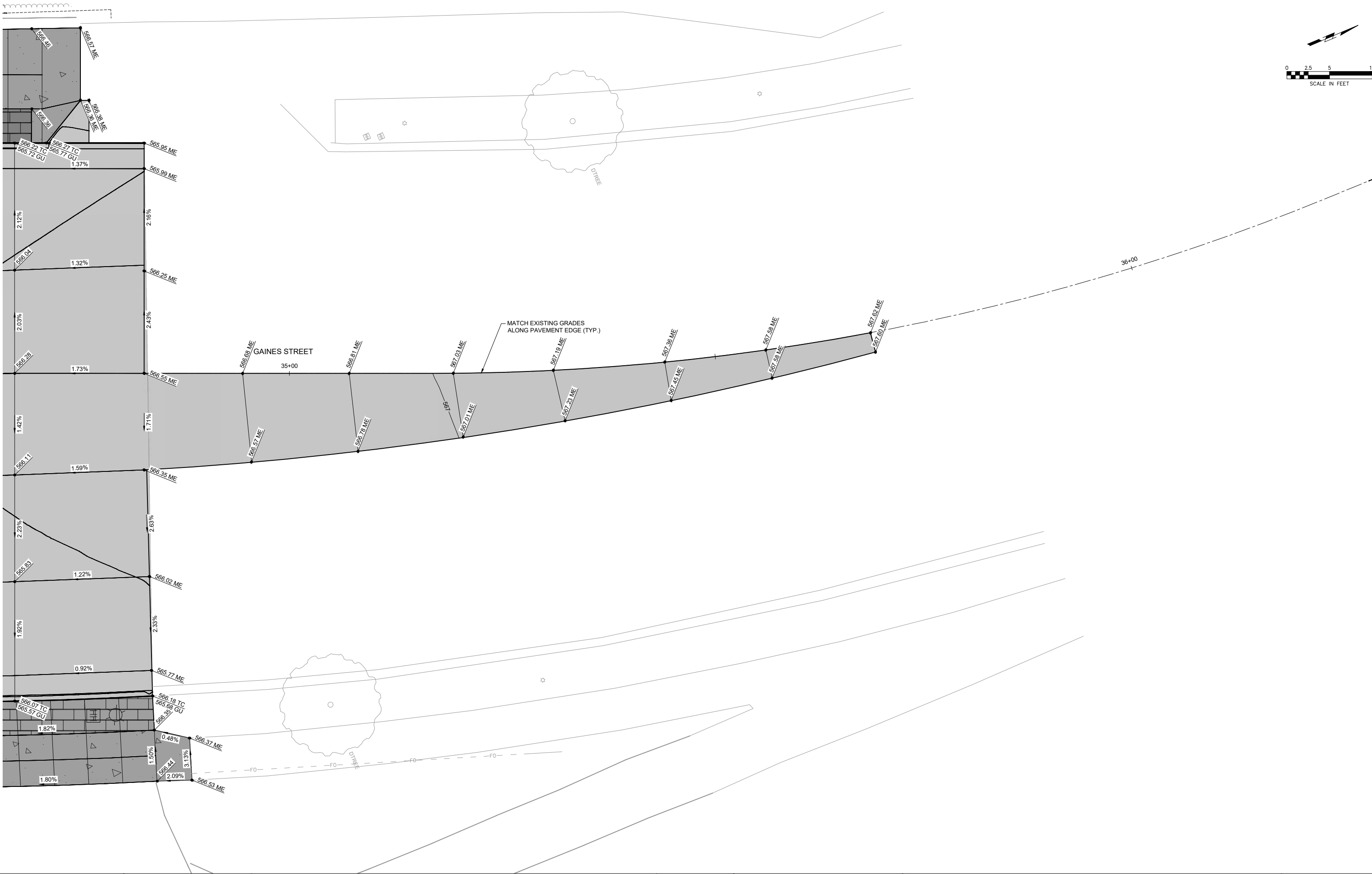


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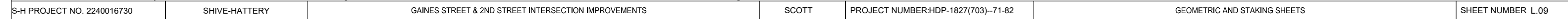


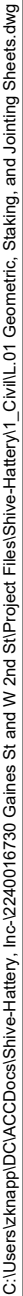


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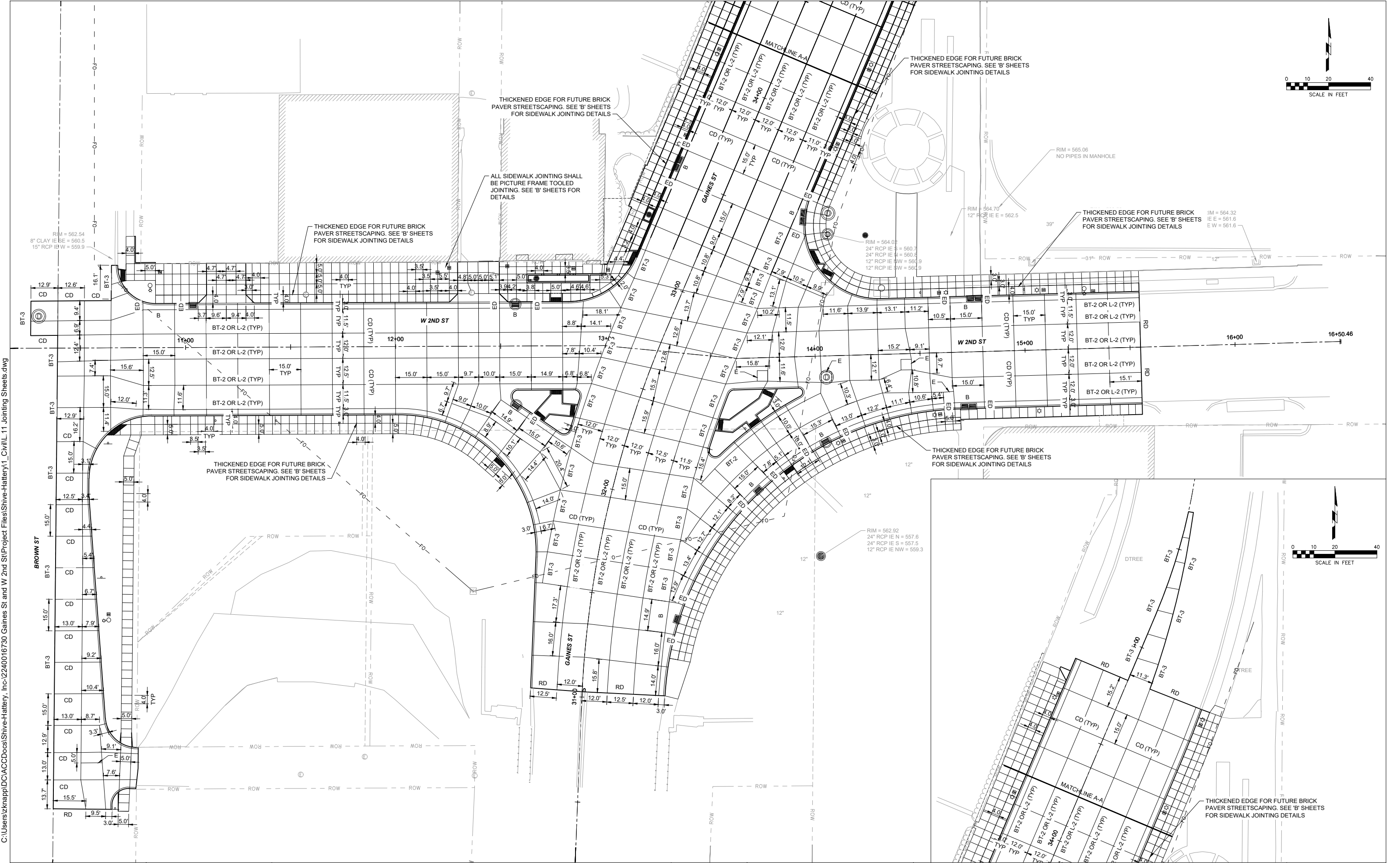


S-H PROJECT NO. 2240016730	SHIVE-HATTERY	GAINES STREET & 2ND STREET INTERSECTION IMPROVEMENTS	SCOTT	PROJECT NUMBER:HDP-1827(703)--71-82	GEOMETRIC AND STAKING SHEETS	SHEET NUMBER L.08
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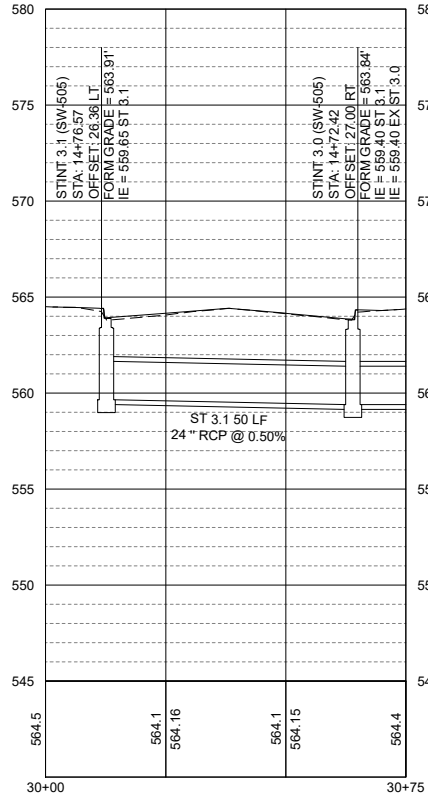
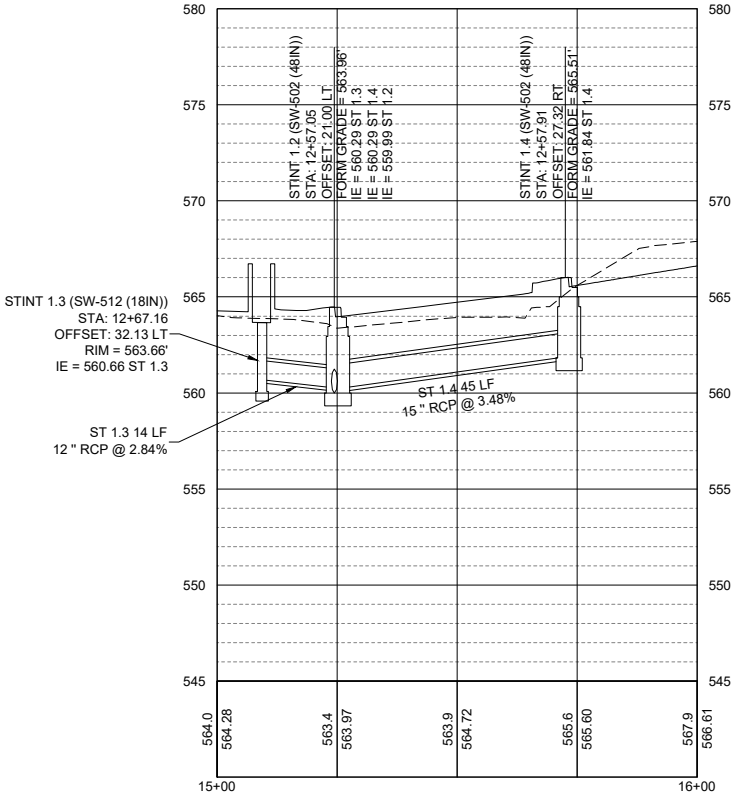
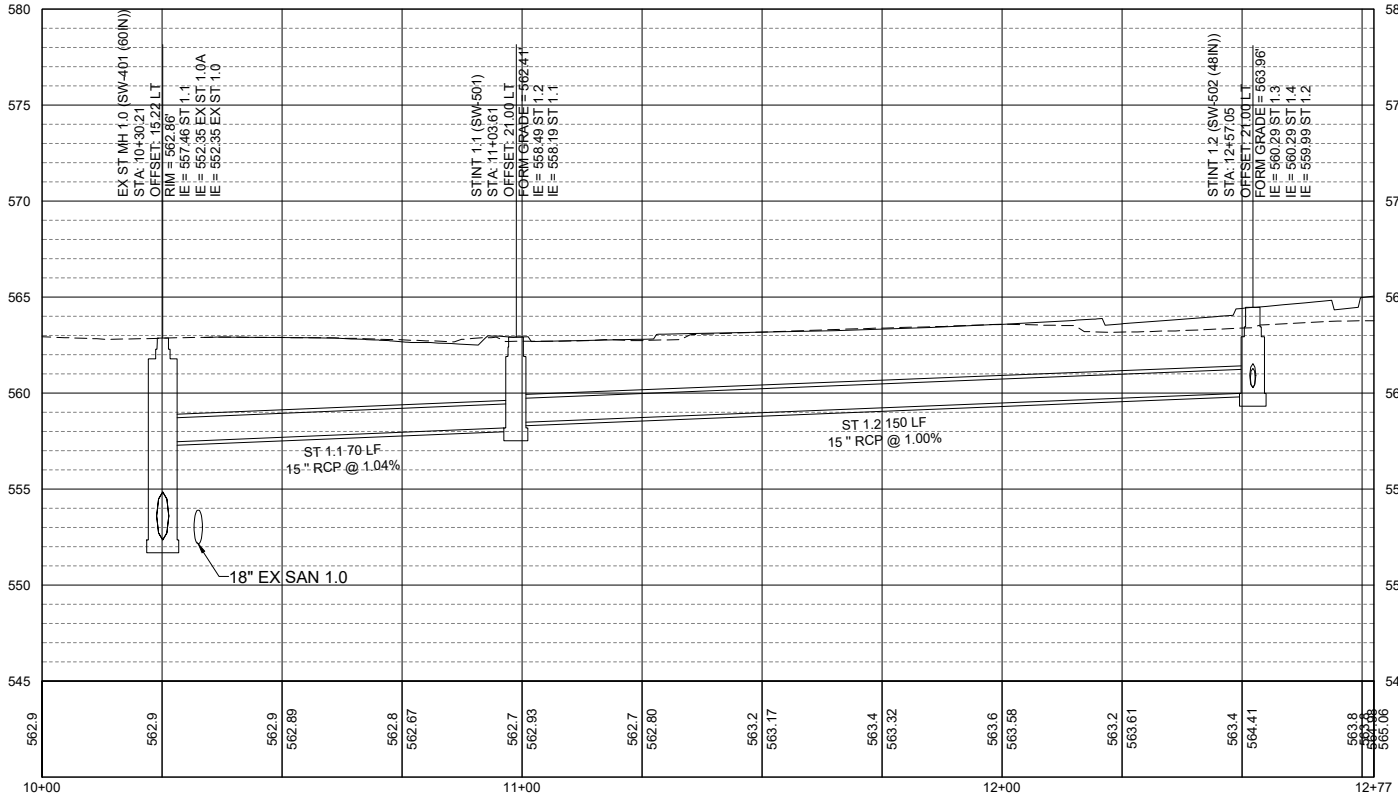
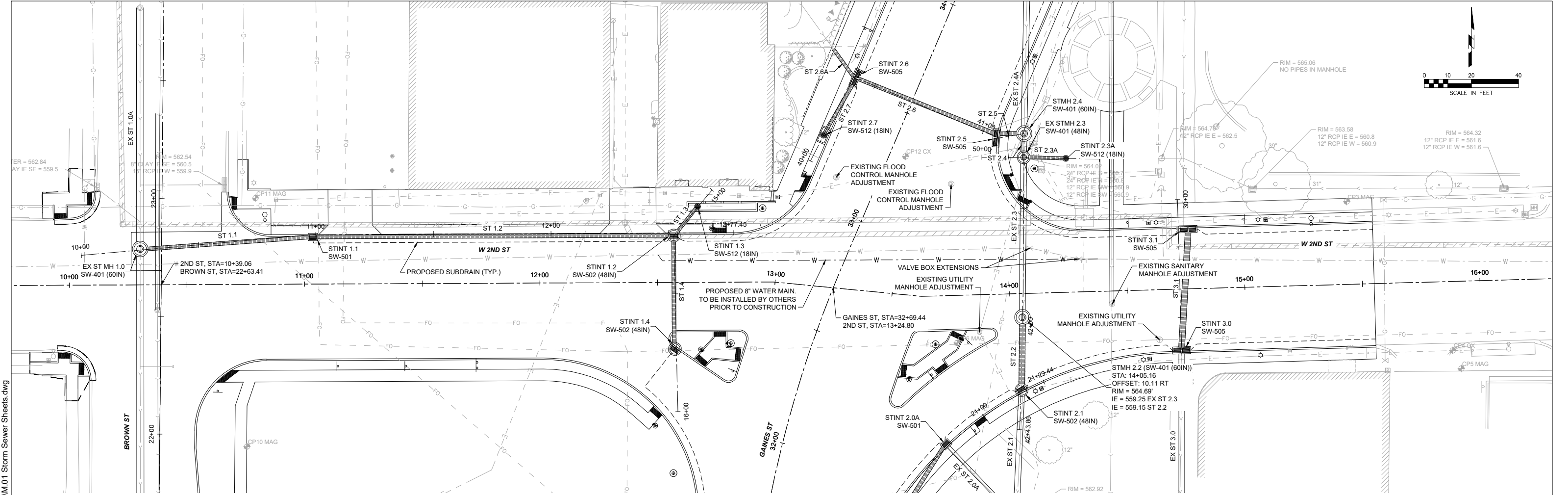
STORM SEWER

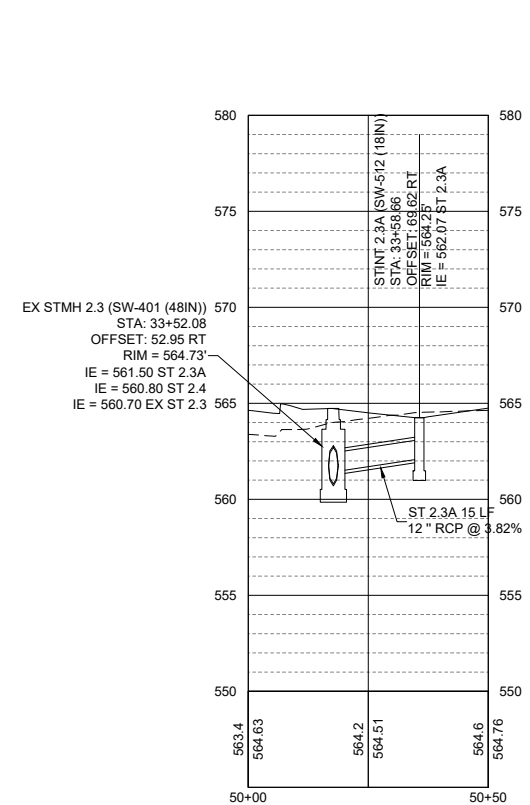
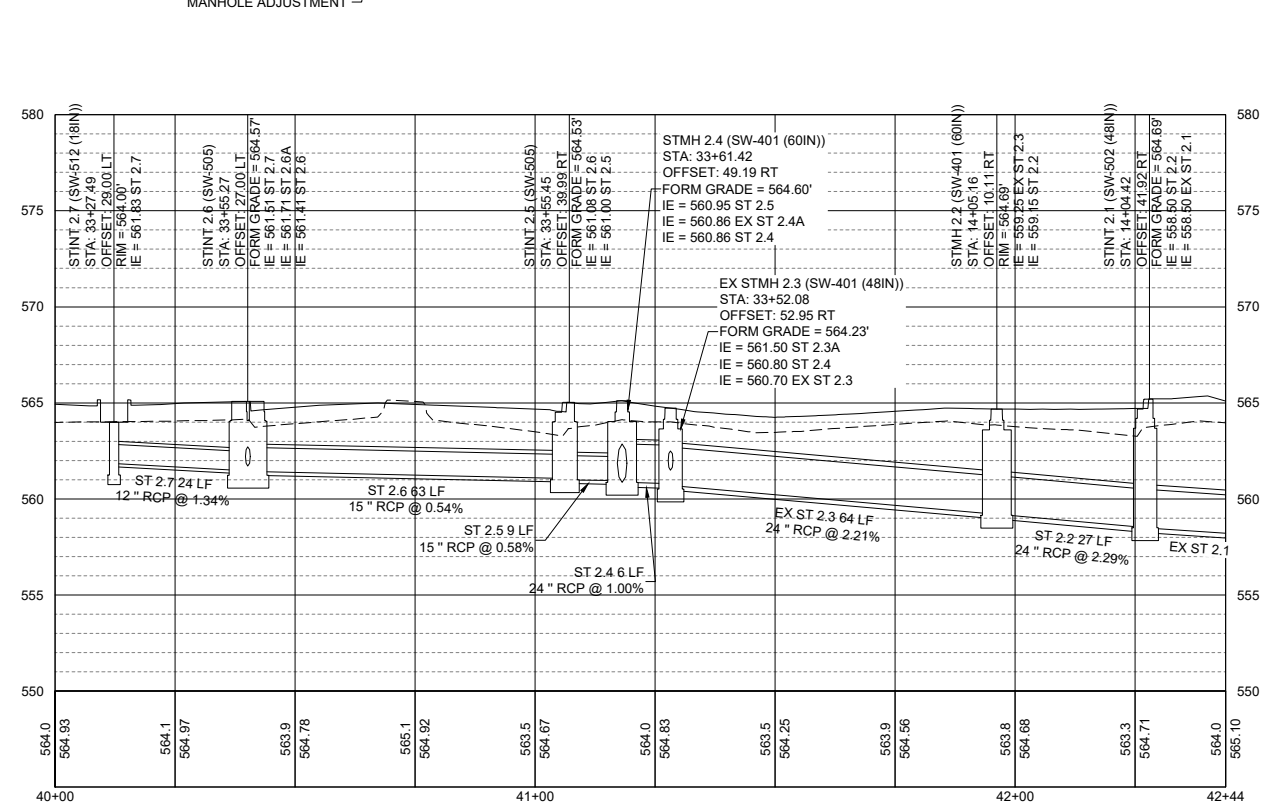
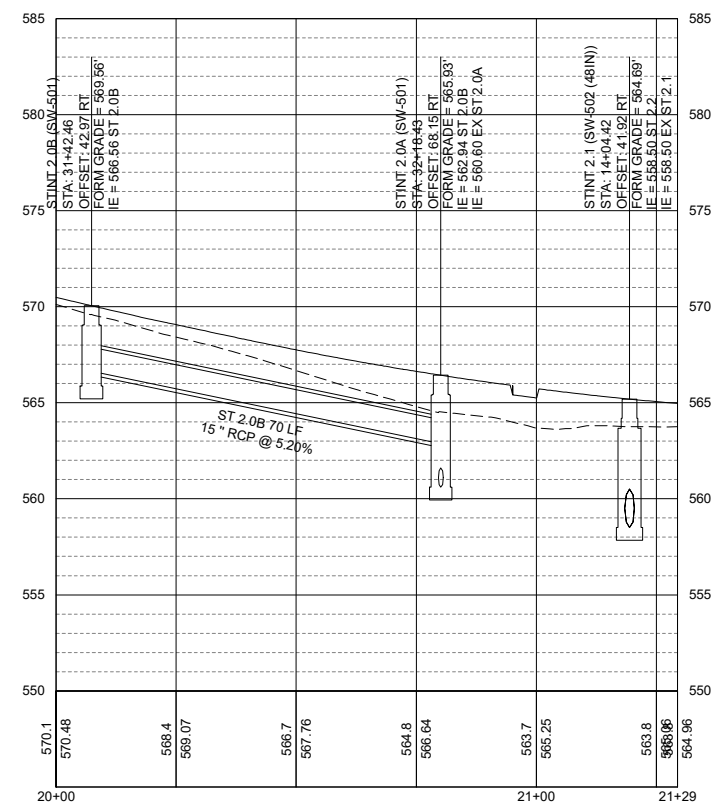
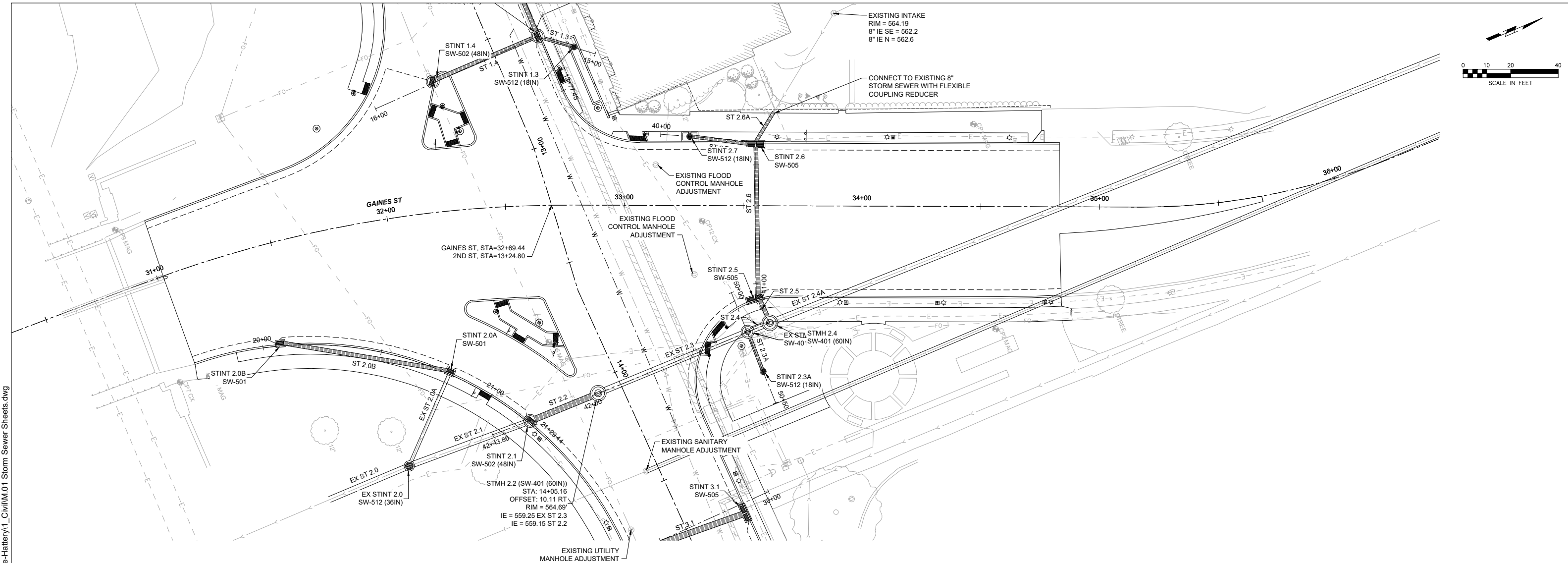
(1) Diameter or equivalent diameter
* Bid Item
** For SW-545

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
STINT 1.1	11+03.61	-21.0	SW-501	562.41	557.52			ST 1.1	STINT 1.1	EX ST MH 1.0		15.0	74	70.0	1.0		558.19	557.46		M.01	
STINT 1.2	12+57.05	-21.0	SW-502	563.96	559.79		48IN	ST 1.2	STINT 1.2	STINT 1.1		15.0	154	150.0	1.0		559.99	558.49		M.01	
STINT 1.3	12+67.16	-32.1	SW-512	563.66	560.16		18IN	ST 1.3	STINT 1.3	STINT 1.2		12.0	18	14.0	2.8		560.66	560.29		M.01	
STINT 1.4	12+57.91	27.3	SW-502	565.51	562.34		48IN	ST 1.4	STINT 1.4	STINT 1.2		15.0	49	45.0	3.5		561.84	560.29		M.01	
STINT 2.0A	32+18.43	68.2	SW-501	565.93	560.10																
STINT 2.0B	31+42.46	43.0	SW-501	569.56	566.06			ST 2.0B	STINT 2.0B	STINT 2.0A		15.0	74	70.0	5.2		566.56	562.94		M.02	
STINT 2.1	14+04.42	41.9	SW-502	564.69	558.00		48IN	ST 2.2	STMH 2.2	STINT 2.1		24.0	32	28.0	2.3		559.15	558.50		M.02	
STMH 2.2	14+05.16	10.1	SW-401	564.69	558.65		60IN	ST 2.3A	STINT 2.3A	EX STMH 2.3		12.0	19	15.0	3.8		562.07	561.50		M.02	
STINT 2.3A	33+58.66	69.6	SW-512	564.25	561.57		18IN	ST 2.4	STMH 2.4	EX STMH 2.3		24.0	10	6.0	1.0		560.86	560.80		M.02	
STMH 2.4	33+61.42	49.2	SW-401	565.10	560.36		60IN	ST 2.5	STINT 2.5	STMH 2.4		15.0	13	9.0	0.6		561.00	560.95		M.02	
STINT 2.5	33+55.45	40.0	SW-505	564.53	560.58			ST 2.6	STINT 2.6	STINT 2.5		15.0	67	63.0	0.5		561.41	561.08		M.02	
STINT 2.6	33+55.27	-27.0	SW-505	564.57	560.91			ST 2.6A		STINT 2.6		12.0	19	15.0	0.8		561.82	561.71		M.02	
STINT 2.7	33+27.49	-29.0	SW-512	564.00	561.33		18IN	ST 2.7	STINT 2.7	STINT 2.6		12.0	28	24.0	1.3		561.83	561.51		M.02	
STINT 3.0	14+72.42	27.0	SW-505	563.84	558.90																
STINT 3.1	14+76.57	-26.4	SW-505	563.91	559.15			ST 3.1	STINT 3.1	STINT 3.0		24.0	54	50.0	0.5		559.65	559.40		M.01	

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





























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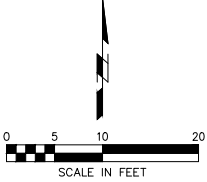
1. THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST VERSIONS OF IOWA DOT SPECIFICATIONS.
2. THE LOCATION OF ALL UTILITIES ON THE PLANS ARE TAKEN FROM EXISTING PUBLIC RECORDS. THE EXACT LOCATION AND ELEVATION OF ALL PUBLIC UTILITIES MUST BE DETERMINED BY THE CONTRACTOR. IT SHALL BE THE DUTY OF THE CONTRACTOR TO ASCERTAIN WHETHER ANY ADDITIONAL FACILITIES OTHER THAN THOSE SHOWN ON THE PLANS MAY BE PRESENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL UNDERGROUND UTILITIES AND SHALL NOT BE SEPARATELY COMPENSATED FOR DELAYS OR EXTRA COST.
3. THE MEANS OF THE WORK AND THE SAFETY OF THE CONTRACTOR'S EMPLOYEES ARE SOLELY THE RESPONSIBILITY OF THE CONTRACTOR.
4. IOWA CODE 480, UNDERGROUND FACILITIES INFORMATION, REQUIRES VERBAL NOTICE TO IOWA ONE CALL, 1-800-292-8989, NOT LESS THAN 48 HOURS BEFORE EXCAVATING, EXCLUDING WEEKENDS AND LEGAL HOLIDAYS.
5. PRIOR TO CONSTRUCTION, THE CONTRACTOR SHALL UNCOVER EXISTING UTILITIES AT CRITICAL LOCATIONS TO VERIFY EXACT HORIZONTAL LOCATION AND ELEVATION.
6. POTHOLE EACH SIGNAL FOOTING LOCATION TO CONFIRM UTILITIES PRIOR TO FOOTING INSTALLS, NOTIFY ENGINEER OF ANY UTILITIES FOUND WITHIN FOOTING FOOTPRINT.
7. THE LATEST MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES ARE PART OF THE CITY SPECIFICATIONS AND SHALL APPLY TO THIS PROJECT.
8. ALL QUANTITIES SHOWN IN THE PLANS AND SPECIFICATIONS ARE FOR INFORMATIONAL AND ESTIMATING PURPOSES ONLY. THE CONTRACTOR'S BID FOR THIS PROJECT SHALL INCLUDE ALL LABOR AND MATERIALS NECESSARY TO PROVIDE A COMPLETE AND FUNCTIONAL TRAFFIC SIGNAL INSTALLATION.
9. THE CONTRACTOR SHALL INSTALL ONE 20-CONDUCTOR SIGNAL CABLE FROM SIGNAL BASE TO CONTROLLER CABINET, A 5-CONDUCTOR CABLE SHALL BE USED FOR 3-SECTION OR PEDESTRIAN HEADS AND 7-CONDUCTOR FOR 4-SECTION OR 5-SECTION HEADS FROM THE SIGNAL HEAD TO THE SIGNAL BASE.
10. THE LOCATIONS OF ALL FOOTINGS, HANDHOLES, CONDUIT, AND DETECTOR ZONES ARE TO BE COORDINATED WITH THE ENGINEER AND ARE SUBJECT TO ADJUSTMENT IN THE FIELD BY THE ENGINEER. THE STATION AND OFFSET LISTED ON THE SIGNAL PLANS ARE TO THE CENTER OF THE ITEM UNLESS OTHERWISE NOTED.
11. ALL MAST-ARM MOUNTED VEHICLE SIGNAL HEADS SHALL COME FURNISHED WITH HIGH-VISIBILITY BACK-PLATES. INDIVIDUAL SIGNAL SECTIONS SHALL BE MADE OF DURABLE POLYCARBONATE. HOUSING SHALL BE BLACK IN COLOR TO BE AN INTEGRAL PART OF THE MATERIAL COMPOSITION. HOUSING SHALL ACCOMMODATE A RECTANGULAR (NOT SCALLOPED) BACK-PLATE.
12. RUNS FOR CAMERA POWER/FOCUS SHALL BE CONTINUOUS WITHOUT SPLICES FROM THE CAMERA TO THE CONTROLLER.
13. ALL MAST ARM MOUNTED SIGNAL HEADS, TRAFFIC SIGNS, AND STREET NAME SIGNS SHALL BE MOUNTED USING A UNIVERSALLY ADJUSTABLE MOUNTING BRACKET.
14. TRAFFIC SIGNAL POLES, PEDESTAL POLES, PEDESTRIAN PUSH BUTTON POLES, AND MAST ARMS SHALL HAVE A GALVANIZED COATED FINISH.
15. SIGNAL POLE FOUNDATIONS SHALL BE ROUND WITH CHAMFER ON TOP EDGE.
16. ALL PVC CONDUIT SHALL BE SCHEDULE 80 OR DIRECTIONAL BORED HDPE CONDUIT.
17. CONTRACTOR SHALL RESTORE ALL GROUND DISTURBED DURING THE INSTALLATION OF THE TRAFFIC SIGNAL INCLUDING GRADING AND SEEDING. ALL COST ASSOCIATED WITH RESTORATION OUTSIDE PROJECT DISTURBANCE LIMITS IS INCIDENTAL TO INSTALLATION OF TRAFFIC SIGNAL.
18. ALL SIGNAL INDICATIONS SHALL BE LED IN ACCORDANCE WITH MOST RECENT ITE SPECIFICATIONS.
19. INSTALL A #6 A.W.G. GREEN COPPER GROUND WIRE BETWEEN THE GROUND RODS IN THE SIGNAL FOOTINGS AND THE CONTROLLER CABINET TO FORM A CONTINUOUSLY GROUNDED SYSTEM. THE GROUND WIRE SHALL BE INSTALLED IN ALL CONDUITS.
20. PROVIDE 72 HOURS NOTICE TO CITY OF DAVENPORT TRAFFIC OPERATIONS DEPARTMENT BEFORE PLACING TRAFFIC SIGNALS INTO OPERATION. SIGNAL HEADS SHALL BE BAGGED UNTIL OPERATION.
21. VIDEO DETECTION SHALL BE THE "ITERIS VANTAGE NEXT" CAMERA SYSTEM INCLUDING ALL SOFTWARE, HARDWARE, WIRING, AND OTHER ACCESSORIES REQUIRED FOR A FULLY-FUNCTIONING SYSTEM.
22. EMERGENCY VEHICLE PREEMPTION SHALL BE A "OPTICOM 721" OR "OPTICOM 722" OR "TOMAR DETOC" PREEMPTION SYSTEM WITH TWO DETECTORS PROVIDING COVERAGE FOR ALL FOUR LEGS OF INTERSECTION. THE SYSTEM SHALL INCLUDE ALL SOFTWARE, HARDWARE, WIRING, AND OTHER ACCESSORIES REQUIRED FOR A FULLY-FUNCTIONING SYSTEM.
23. D3-1 SIGNS SHALL HAVE THE FOLLOWING SPECIFICATIONS: 12" UPPER CASE LETTERS, 9" LOWER CASE LETTERS, FHWA SERIES C FONT, WHITE FONT ON GREEN SIGN WITH 1" WHITE BORDER, SPACE BETWEEN UPPER CASE LETTERS AND BORDER IS 2". SIGNS SHALL BE 18" TALL.
24. HANDHOLES SHALL BE LABELED TRAFFIC SIGNAL.

TRAFFIC SIGNALIZATION/LUMP SUM ITEM QUANTITIES				
ITEM		UNIT	QUANTITY	AS-BUILT QUANTITY
TRAFFIC SIGNAL HEADS	VEHICLE SIGNAL HEAD - <-R, <-Y, <-FY <-G W/ BACKPLATE, MAST ARM MOUNTED	EA	2	
	VEHICLE SIGNAL HEAD - <-R, <-Y, <-FY <-G W/ BACKPLATE, SIDE POLE MOUNTED	EA	2	
	VEHICLE SIGNAL HEAD - <-R, <-Y, <-FY W/ BACKPLATE, MAST ARM MOUNTED	EA	2	
	VEHICLE SIGNAL HEAD - <-R, <-Y, <-FY W/ BACKPLATE, SIDE POLE MOUNTED	EA	2	
	VEHICLE SIGNAL HEAD - R, Y, G W/ BACKPLATE, MAST ARM MOUNTED	EA	6	
	VEHICLE SIGNAL HEAD - R, Y, G W/ BACKPLATE, SIDE POLE MOUNTED	EA	2	
	VEHICLE SIGNAL HEAD - R->, Y->, ->G W/ BACKPLATE, MAST ARM MOUNTED	EA	1	
	VEHICLE SIGNAL HEAD - R->, Y->, ->G W/ BACKPLATE, SIDE POLE MOUNTED	EA	2	
PHASE SELECTOR	"OPTICOM 764"	EA	1	
PREEMPTION	"OPTICOM 721" OR "722 EVP" OR "TOMAR DETOC" PREEMPTION	LS	1	
DETECTION	"ITERIS VANTAGE VECTOR" VIDEO DETECTION SYSTEM	LS	1	
PULLBOXES	PRECAST CONCRETE COMPOSITE HANDHOLE, TYPE II	EA	2	
	PRECAST CONCRETE COMPOSITE HANDHOLE, TYPE III	EA	2	
	PRECAST CONCRETE COMPOSITE HANDHOLE, TYPE IV	EA	1	
WIRE AND CABLE (INCLUDES QUANTITIES WITHIN SIGNAL POLES AND MAST ARMS)	SIGNAL CABLE - 20C #14	LF	971	
	SIGNAL CABLE - 7C #14	LF	186	
	SIGNAL CABLE - 5C #14	LF	2,677	
	SIGNAL CABLE - 3C #14	LF	1,933	
	PREEMPTION	LF	318	
	VIDEO DETECTION	LF	1,219	
	PTZ CAMERA	LF	79	
	LIGHTING - 2C #8	LF	922	
	TRACER - 1C #10	LF	820	
	GROUND - 1C #6	LF	820	
CONDUIT	2" PVC, TRENCHED	LF	151	
	4" PVC, TRENCHED	LF	355	
	5" PVC, TRENCHED	LF	232	
CONCRETE FOOTINGS	POLE FOOTING (TYPE A) - DEPTH VARIES SEE PLANS FOR DETAILS	EA	5	
	POLE FOOTING (TYPE P) - 2.0' DIA X 4' DEPTH	EA	5	
	POLE FOOTING (TYPE P) - 1.0' DIA X 4' DEPTH	EA	3	
POLES	COMBINATION SIGNAL POLE/LUMINAIRE ARM W/ 30' MAST ARM	EA	1	
	COMBINATION SIGNAL POLE/LUMINAIRE ARM W/ 35' MAST ARM	EA	2	
	COMBINATION SIGNAL POLE/LUMINAIRE ARM W/ 45' MAST ARM	EA	1	
	COMBINATION SIGNAL POLE/LUMINAIRE ARM W/ 60' MAST ARM	EA	1	
		EA		
MISC	LED LUMINAIRE LIGHT FIXTURES	EA	7	
	PEDESTRIAN PUSH BUTTON	EA	10	
	5' PEDESTRIAN PUSH BUTTON POLE	EA	3	
	12' PEDESTAL POLE	EA	5	
	PEDESTRIAN SIGNAL HEAD WITH COUNT DOWN TIMER	EA	10	
SIGNS	TRAFFIC SIGN - R3-5L	EA	4	
	TRAFFIC SIGN - R3-5R	EA	1	
	TRAFFIC SIGN - R3-6R	EA	2	
	TRAFFIC SIGN - R10-12A	EA	4	
	TRAFFIC SIGN - R10-11	EA	2	
	TRAFFIC SIGN - D3-1 (2ND ST)	EA	2	
	TRAFFIC SIGN - D3-1 (GAINES ST)	EA	2	

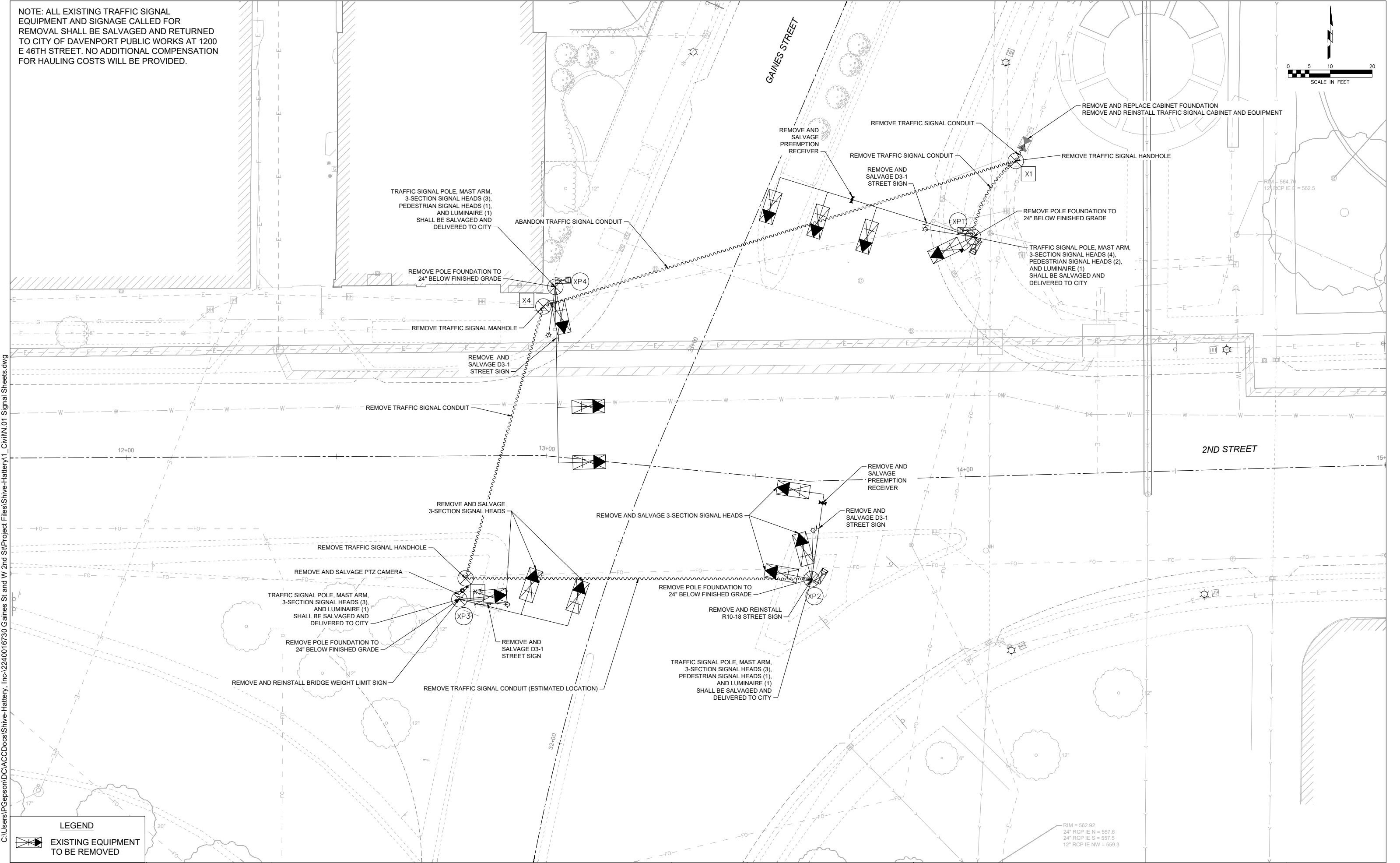
LEGEND	
TRAFFIC SIGNAL	
PLAN MARK	DESCRIPTION
	EXISTING MAST ARM (LENGTH)
	FUTURE SIGNAL HEAD
	EXISTING EQUIPMENT TO BE REMOVED (SHEET N.02)
	EXISTING EQUIPMENT TO BE REMOVED AND REINSTALLED (SHEET N.02)
	SIGNAL BASE
	PEDESTAL BASE
	PUSHBUTTON
	MAST ARM (LENGTH)
	LUMINAIRE
	SIGNAL HEAD W/ BACKPLATE
	PEDESTRIAN SIGNAL HEAD
	VIDEO DETECTION
	PTZ CAMERA
	EMERGENCY PREEMPTION
	MAST ARM / POLE MOUNTED SIGN
	CONTROLLER
	EXISTING CONTROLLER
	HANDHOLE
	EXISTING TRAFFIC HANDHOLE
	CONDUIT
	VIDEO DETECTION ZONE
	GROUND MOUNTED SIGN
	SIGNAL POLE LABEL
	HANDHOLE LABEL
	SIGNAL HEAD LABEL
	PEDESTRIAN HEAD LABEL

105-4 10-18-11		
STANDARD ROAD PLANS		
The following Standard Road Plans apply to the construction work on this project.		
Number	Date	Title
TS-102	04-19-22	Traffic Signal Pole Foundation - Sheets 1 and 4
LI-103	04-19-22	Conduit and Precast Handholes - Sheet 2
8010.105	SUDAS 2023 Edition	Mast Arm Pole Details
8010.106	SUDAS 2022 Edition	Pedestal Pole Details


NOTE: ALL EXISTING TRAFFIC SIGNAL EQUIPMENT AND SIGNAGE CALLED FOR REMOVAL SHALL BE SALVAGED AND RETURNED TO CITY OF DAVENPORT PUBLIC WORKS AT 1200 E 46TH STREET. NO ADDITIONAL COMPENSATION FOR HAULING COSTS WILL BE PROVIDED.



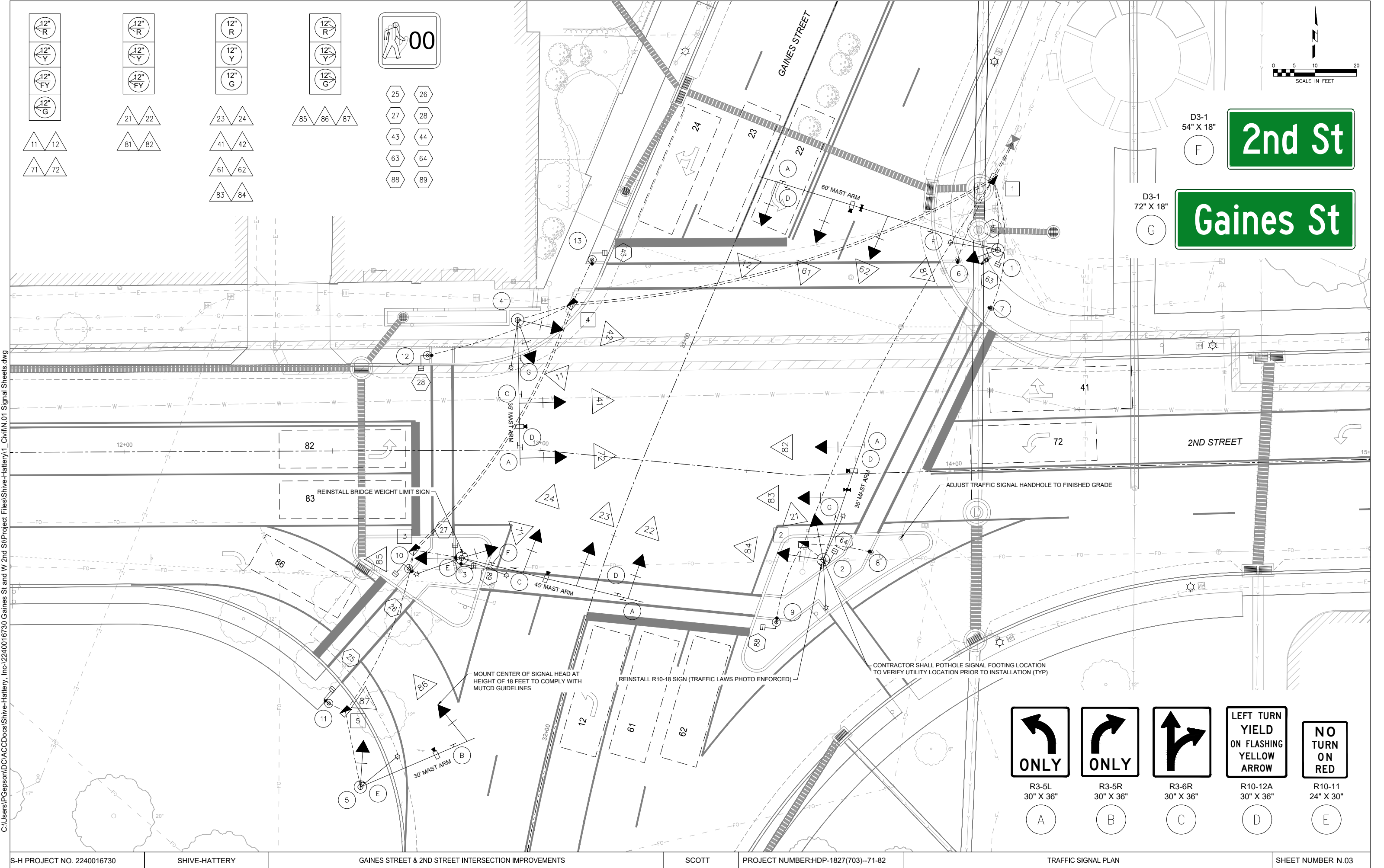
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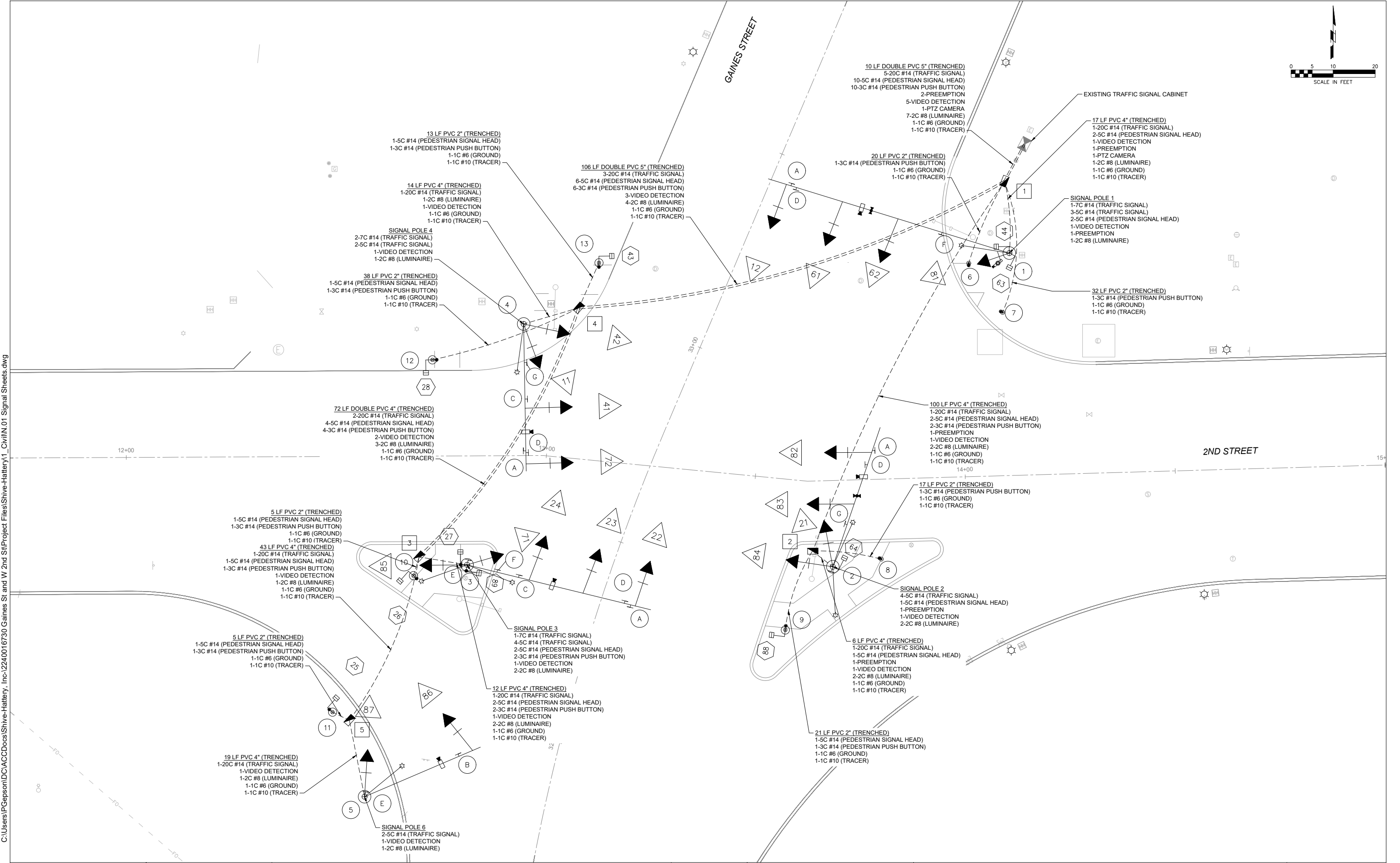
LEGEND

 EXISTING EQUIPMENT TO BE REMOVED

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CABLE SCHEDULE																							
FROM	TO	CTR TO CTR DISTANCE	CONTROL								PREEM		DETECTION		PTZ CAMERA		LIGHTING		TRACER		GROUND		REMARKS
			20c #14		7c #14		5c #14		3c #14								2c #8		1c #10		1c #6		
			#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	#	LENGTH	
XCAB	HH1	10.0'	5	112.5'			10	225.0'	10	225.0'	2	45.0'	5	112.5'	1	22.5'	4	90.0'	1	22.5'	1	22.5'	
HH1	P1	17.0'	1	29.5'			2	59.0'			1	29.5'	1	29.5'	1	29.5'	1	29.5'	1	29.5'	1	29.5'	
P1	12	55.5'			1	75.5'																	
P1	61	41.5'					1	61.5'															
P1	62	27.5'					1	47.5'															
P1	81	0.0'					1	20.0'															
P1	63	0.0'					1	20.0'															
P1	45	0.0'					1	20.0'															
P1	PREEM	33.5'								1	53.5'												
P1	DET	36.0'										1	56.0'										
P1	PTZ	0.0'												1	20.0'								
P1	LUM	0.0'														1	35.0'						
HH1	P6	20.0'							1	32.5'								1	32.5'	1	32.5'		
HH1	P7	32.0'							1	44.5'								1	44.5'	1	44.5'		
HH1	HH2	100.0'	1	105.0'			2	210.0'	2	210.0'	1	105.0'	1	105.0'			1	105.0'	1	105.0'	1	105.0'	
HH2	P2	6.0'	1	18.5'			1	18.5'			1	18.5'	1	18.5'			1	18.5'	1	18.5'	1	18.5'	
P2	82	28.5'					1	48.5'															
P2	83	15.5'					1	35.5'															
P2	84	0.0'					1	20.0'															
P2	21	0.0'					1	20.0'															
P2	64	0.0'					1	20.0'															
P2	PREEM	17.5'								1	37.5'												
P2	DET	22.5'										1	42.5'										
P2	LUM	0.0'														1	35.0'						
P2	LUM	0.0'														1	35.0'						
HH2	P8	17.0'							1	29.5'								1	29.5'	1	29.5'		
HH2	P9	21.0'					1	33.5'	1	33.5'								1	33.5'	1	33.5'		
P9	88	0.0'					1	12.0'															
HH1	HH4	106.0'	3	333.0'			6	666.0'	6	666.0'			3	333.0'			2	222.0'	1	111.0'	1	111.0'	
HH4	P4	14.0'	1	26.5'								1	26.5'			1	26.5'	1	26.5'	1	26.5'		
P4	72	33.3'			1	53.3'																	
P4	41	20.0'					1	40.0'															
P4	42	0.0'					1	20.0'															
P4	11	0.0'			1	20.0'																	
P4	DET	25.5'										1	45.5'										
P4	LUM	0.0'														1	35.0'						

HH4	P12	38.0'				1	50.5'	1	50.5'						1	50.5'	1	50.5'	
P12	28	0.0'				1	12.0'												
HH4	P13	13.0'				1	25.5'	1	25.5'						1	25.5'	1	25.5'	
P13	43	0.0'				1	12.0'												
HH4	HH3	72.0'	2	154.0'		4	308.0'	4	308.0'		2	154.0'		1	77.0'	1	77.0'	1	77.0'
HH3	P3	12.0'	1	24.5'		2	49.0'	2	49.0'		1	24.5'		1	24.5'	1	24.5'	1	24.5'
P3	22	41.0'				1	61.0'												
P3	23	28.5'				1	48.5'												
P3	24	15.0'				1	35.0'												
P3	71	0.0'			1	20.0'													
P3	85	0.0'				1	20.0'												
P3	27	0.0'				1	20.0'												
P3	89	0.0'				1	20.0'												
P3	DET	21.0'								1	41.0'								
P3	LUM	0.0'											1	35.0'					
P3	LUM	0.0'											1	35.0'					
HH3	P10	5.0'				1	17.5'	1	17.5'						1	17.5'	1	17.5'	
P10	26	0.0'				1	12.0'												
HH3	HH5	43.0'	1	48.0'		1	48.0'	1	48.0'		1	48.0'			1	48.0'	1	48.0'	
HH5	P5	19.0'	1	31.5'							1	31.5'			1	31.5'	1	31.5'	
P5	86	28.0'				1	48.0'												
P5	87	0.0'				1	20.0'												
P5	DET	20.0'									1	40.0'							
P5	LUM	0.0'												1	35.0'				
HH5	P11	5.0'				1	17.5'	1	17.5'						1	17.5'	1	17.5'	
P11	25	0.0'				1	12.0'												
				883'	169'		2434'	1757'	289'		1108'	72'		838'		745'	745'		Subtotal
				88'	17'		243'	176'	29'		111'	7'		84'		75'	75'		10% Cutting & Splicing
TOTAL				971'	186'		2677'	1933'	318'		1219'	79'		922'		820'	820'		

CONDUIT SCHEDULE						
FROM	TO	CTR TO CTR DISTANCE	TRENCH PVC			REMARKS
			2"	4"	5"	
XCAB	HH1	10			20'	DOUBLE RUN
HH1	P1	17		17'		
HH1	P6	20	20'			
HH1	P7	32	32'			
HH1	HH2	100		100'		
HH2	P2	6		6'		
HH2	P8	17	17'			
HH2	P9	21	21'			
HH1	HH4	106			212'	DOUBLE RUN
HH4	P4	14		14'		
HH4	P12	38	38'			
HH4	P13	13	13'			
HH4	HH3	72		144'		DOUBLE RUN
HH3	P3	12		12'		
HH3	P10	5	5'			
HH3	HH5	43		43'		
HH5	P5	19		19'		
HH5	P11	5	5'			
TOTAL			151'	355'	232'	

NOTES:

- 1) HH - HANDHOLE
- 2) P - POLE BASE
- 3) XCAB - EXISTING CABINET

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POLES AND MAST ARMS SCHEDULE																			
POLE NO.	DETAILS								MAST ARM			LUMINAIRE							
	POLE TYPE	MAST ARM LENGTH	SIGNAL HEAD SPACING					TRAFFIC SIGNS ON ARMS		MOUNTING HEIGHT	POLE HEIGHT	MOUNTING HEIGHT	ARM LENGTH	ROTATION	NOTE	FOOTING			REMARKS
								QTY.	LOCATION ON ARM (FT)							DIAMETER	DEPTH PER SCHEDULE	TOP OF FOOTING	
P1	COMBINATION	60.0'	55.5'	41.5'	27.5'	0.0'		3	55.0', 53.75', 13.0'	20.0'		35.0'	15.0'	0		3.0'	18.0'	564.82'	
P2	COMBINATION	35.0'		28.5'	15.5'	0.0'	0.0'	3	29.0', 26.75', 8.0'	20.0'		35.0'	15.0'	0		3.0'	12.0'	566.16'	
												35.0'	15.0'	160°					
P3	COMBINATION	45.0'	41.0'	28.5'	15.0'	0.0'	0.0'	4	40.0', 39.25', 13.25', 7.0'	20.0'		35.0'	15.0'	0		3.0'	14.0'	566.71'	
												35.0'	15.0'	145°					
P4	COMBINATION	35.0'		33.3'	20.0'	0.0'	0.0'	3	31.5', 30.0', 18.25'	20.0'		35.0'	15.0'	0		3.0'	12.0'	566.68'	
P5	COMBINATION	30.0'			28.0'	0.0'		1	26.25'	18.0'		35.0'	15.0'	0		3.0'	12.0'	568.02'	
P6	PEDESTRIAN PUSH BUTTON POLE										5.0'					1.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK	BUTTON SHALL BE APS WITH AUDITORY COMPONENT
P7	PEDESTRIAN PUSH BUTTON POLE										5.0'					1.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK	BUTTON SHALL BE APS WITH AUDITORY COMPONENT
P8	PEDESTRIAN PUSH BUTTON POLE										5.0'					1.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK	BUTTON SHALL BE APS WITH AUDITORY COMPONENT
P9	PEDESTAL POLE										12.0'					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK	BUTTON SHALL BE APS WITH AUDITORY COMPONENT
P10	PEDESTAL POLE										12.0'					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK	BUTTON SHALL BE APS WITH AUDITORY COMPONENT
P11	PEDESTAL POLE										12.0'					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK	BUTTON SHALL BE APS WITH AUDITORY COMPONENT
P12	PEDESTAL POLE										12.0'					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK	BUTTON SHALL BE APS WITH AUDITORY COMPONENT
P13	PEDESTAL POLE										12.0'					2.0'	4.0'	FLUSH WITH ADJACENT SIDEWALK	BUTTON SHALL BE APS WITH AUDITORY COMPONENT

Notes:

- 1) Signal location is to center of signal head measured out to mast arm from pole.
- 2) Sign location is to center of sign measured out to mast arm from pole.
- 3) Orientation of luminaire arm is clockwise measured from the centerline of the signal mast arm.
- 4) Top of Combination Pole footings shall be a minimum of 3" above finished ground. Depth of footing is to finished ground elevation.
- 5) Top of Pedestal and Pedestrian Push Button footings shall be a minimum of 2" above finished ground and flush with adjacent pavement.

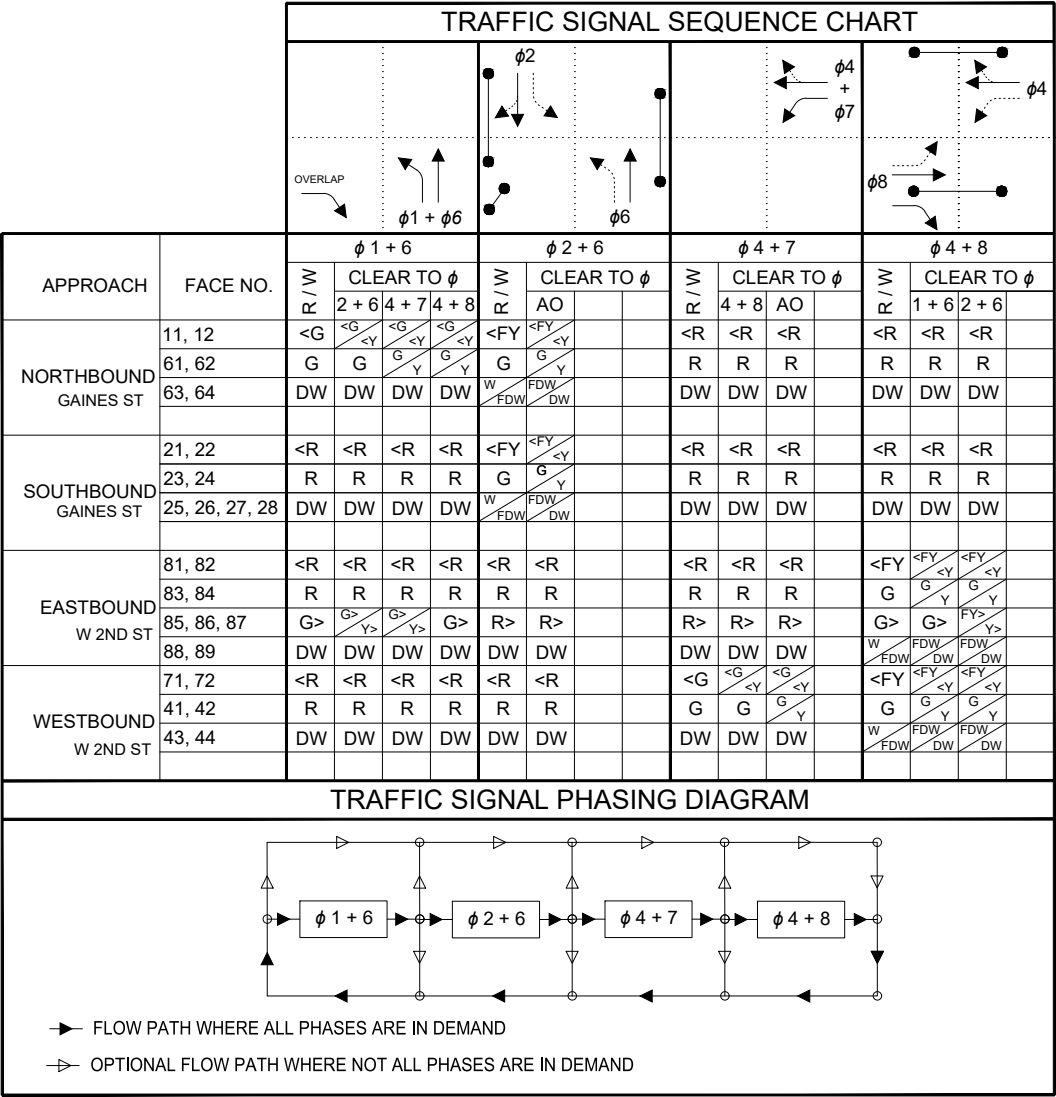
DETECTOR SCHEDULE									
DETECTOR NUMBER	DETECTOR TYPE	ZONE SIZE	LOCATION	ASSOCIATED PHASE	MODE	MEMORY	DELAY-EXTEND (SEC)		
12	VIDEO	6X20	-2	1	PR				
22	VIDEO	6X20	-2	2	PR				
23	VIDEO	6X20	-2	2	PR				
24	VIDEO	6X20	-2	2	PR				
41	VIDEO	6X20	-2	4	PR				
61	VIDEO	6X20	-2	6	PR				
62	VIDEO	6X20	-2	6	PR				
72	VIDEO	6X20	-2	7	PR				
82	VIDEO	6X23	-2	8	PR				
83	VIDEO	6X24	-2	8	PR				
86	VIDEO	6X25	-2	8	PR				
Notes: 1) Location measured from stop bar (ft).									
PR - PRESENCE P - PULSE L - LOCKING NL - NON-LOCKING E - EXTENDS D - DELAY S - SYSTEM									

POLE AND MAST ARM SIGNS SCHEDULE			
SIGN NUMBER	LEGEND	QUANTITY	SIZE
R3-5L	LEFT TURN ONLY	4	30" X 36"
R3-5R	RIGHT TURN ONLY	1	30" X 36"
R3-6R	THROUGH/RIGHT	2	30" X 36"
R10-11	NO TURN ON RED	2	30" X 36"
R10-12A	LEFT TURN YIELD ON FLASHING YELLOW ARROW	4	24" X 30"
D3-1	2ND ST	2	54" X 24"
D3-1	GAINES ST	2	72" X 24"
Notes: 1) Signs shall be placed as shown on Sheet N.3 2) Signs to be salvaged and reinstalled are not shown in this table.			

BASES AND HANDHOLES SCHEDULE									
ITEM NO.	LOCATION			BASES		HAND HOLES			REMARKS
				TYPE A	TYPE P	TYPE II	TYPE III	TYPE IV	
	STATION	OFFSET							
P1			RT	1					
P2	32+62.59	49.3	RT	1					
P3	32+33.60	32.9'	LT	1					
P4	32+88.75	40.8'	LT	1					
P5	31+78.19	42.5'	LT	1					
P6	33+43.45	51.0'	RT		1				
P7	33+35.85	63.0'	RT		1				
P8	32+69.56	59.3'	RT		1				
P9	32+43.02	43.8'	RT		1				
P10	32+27.74	44.3'	LT		1				
P11	31+94.59	54.3'	LT		1				
P12	32+72.98	57.5'	LT		1				
P13	33+09.15	30.0'	LT		1				
HH1	33+64.72	51.2'	RT					1	
HH2	32+64.80	43.4'	RT			1			
HH3	32+32.02	44.4'	LT				1		
HH4	32+97.44	30.2'	LT				1		
HH5	31+93.74	49.9'	LT			1			
TOTALS				5	8	2	2	1	




Notes:

- 1) All locations to center of pole base/handhole.



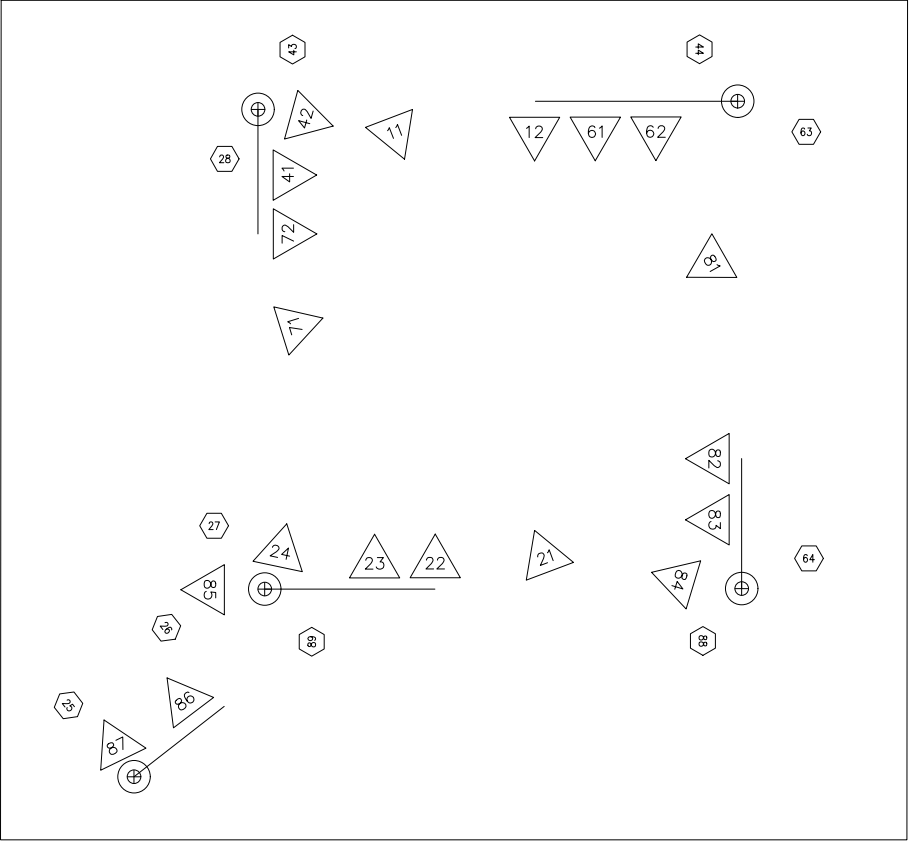
SUGGESTED SIGNAL TIMINGS AM PEAK HOUR								
Phase	1	2	3	4	5	6	7	8
Movement	NBL	SBT		WBT		NBT	WBL	EBT
Min Green	5.0	10.0		10.0		10.0	5.0	10.0
Max Green	6.9	32.9		41.0		46.1	5.0	29.0
Vehicle Extension	3.0	3.0		3.0		3.0	3.0	3.0
Yellow Change	3.0	3.8		3.8		3.8	3.0	3.8
Red Clearance	3.3	3.0		2.3		3.0	4.0	2.3
Walk		7.0		7.0		7.0		7.0
Pedestrian Clearance		23.0		22.0		23.0		22.0
Cycle Length = 100								

SUGGESTED SIGNAL TIMINGS PM PEAK HOUR								
Phase	1	2	3	4	5	6	7	8
Movement	NBL	SBT		WBT		NBT	WBL	EBT
Min Green	5.0	10.0		10.0		10.0	5.0	10.0
Max Green	9.1	30.7		41.0		46.1	5.0	29.0
Vehicle Extension	3.0	3.0		3.0		3.0	3.0	3.0
Yellow Change	3.0	3.8		3.8		3.8	3.0	3.8
Red Clearance	3.3	3.0		2.3		3.0	4.0	2.3
Walk		7.0		7.0		7.0		7.0
Pedestrian Clearance		23.0		22.0		23.0		22.0
Cycle Length = 100								














LEGEND	
	PROTECTED VEHICULAR MOVEMENT
	PERMISSIVE VEHICULAR MOVEMENT
	ACTUATED PEDESTRIAN MOVEMENT
R / W	RIGHT OF WAY INTERVAL
ϕ	TRAFFIC PHASE
R	CIRCULAR RED
Y	CIRCULAR YELLOW
G	CIRCULAR GREEN
<R	RED LEFT ARROW
<FY	FLASHING YELLOW LEFT ARROW
<Y	YELLOW LEFT ARROW
<G	GREEN LEFT ARROW
G>	GREEN RIGHT ARROW
Y>	YELLOW RIGHT ARROW
W	WALK
FDW	FLASHING DON'T WALK
DW	DON'T WALK
AO	ALL OTHER PHASES

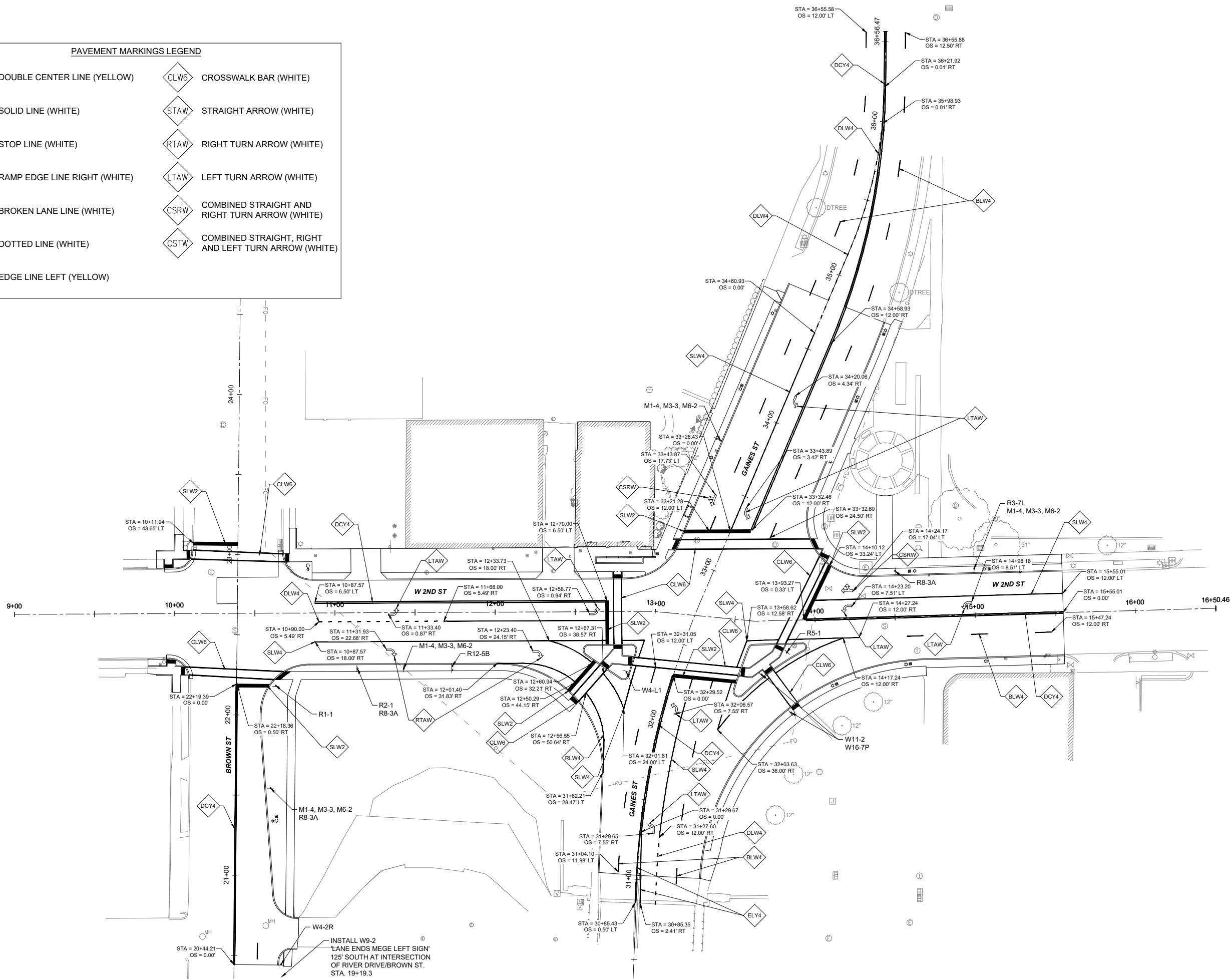
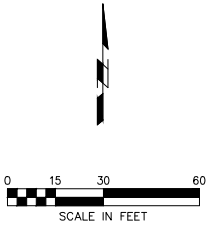
GAINES ST & W 2ND ST	
PHASE SEQUENCE NOT ALLOWED	
FROM	TO
φ 2+6	φ 1+6
φ 4+8	φ 4+7
DUAL ENTRY PHASES	
φ 2+6, φ 4+8	

FLASHING OPERATION	
GAINES ST	RED
W 2ND ST	RED
PEDESTRIAN	DARK



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PAVEMENT MARKINGS LEGEND			
	DOUBLE CENTER LINE (YELLOW)		CROSSWALK BAR (WHITE)
	SOLID LINE (WHITE)		STRAIGHT ARROW (WHITE)
	STOP LINE (WHITE)		RIGHT TURN ARROW (WHITE)
	RAMP EDGE LINE RIGHT (WHITE)		LEFT TURN ARROW (WHITE)
	BROKEN LANE LINE (WHITE)		COMBINED STRAIGHT AND RIGHT TURN ARROW (WHITE)
	DOTTED LINE (WHITE)		COMBINED STRAIGHT, RIGHT AND LEFT TURN ARROW (WHITE)
	EDGE LINE LEFT (YELLOW)		



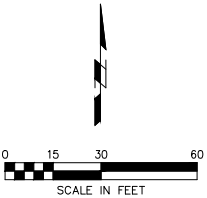
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LIGHT FIXTURE SCHEDULE											
CATALOG NUMBER SHALL NOT BE CONSIDERED COMPLETE AND MATERIAL SHALL NOT BE ORDERED BY MANUFACTURER AND CATALOG NUMBER ONLY. THE DESCRIPTION AND THE SPECIFICATION SHALL BE COORDINATED WITH THE CATALOG NUMBER TO DETERMINE THE EXACT MATERIAL AND ACCESSORIES TO BE ORDERED. THE FIRST MANUFACTURER LISTED IS THE BASIS FOR DESIGN. ALL LAMPS/LIGHT SOURCES FOR THIS PROJECT SHALL BE FURNISHED AND INSTALLED BY THE ELECTRICAL CONTRACTOR UNLESS OTHERWISE NOTICED. REFER TO SPECIFICATIONS FOR SHOP DRAWING SUBMITTAL REQUIREMENTS AND ADDITIONAL INFORMATION.											
NOTES: 1. EXISTING CONDUIT AND WIRING SHALL BE PROTECTED DURING REMOVALS AND REUSED FOR PROPOSED FIXTURES. 2. FURNISH AND INSTALL ON FOUNDATION BASE PER GENERAL ELECTRICAL REQUIREMENTS NOTES AND APPLICABLE DETAILS. 3. ALL PRODUCTS OF IRON, STEEL, MANUFACTURED PRODUCTS, AND CONSTRUCTION MATERIALS, WHICH ARE PERMANENTLY INCORPORATED INTO THE WORK, SHALL COMPLY WITH THE BUILD AMERICA, BUY AMERICA ACT (BABA) AND MATERIALS I.M. 107 4. PROVIDE BREAK-AWAY BASE FOR R1 ROADWAY LIGHT FIXTURE. 5. PHOTO EYE CONTROL SHALL BE PROVIDED FOR DECORATIVE FIXTURES											
TYPE	DESCRIPTION	LENS-LOUVER	MOUNTING	LUMENS/COLOR TEMPERATURE	DRIVER	VOLTAGE	WATTAGE	MANUFACTURER	CATALOG NUMBER	EQUAL MANUFACTURER	NOTES
R1	ROADWAY POLE LUMINAIRE ASSEMBLY, SINGLE HEAD	---	30' POLE ON FOUNDATION BASE		LED DRIVER				PROVIDE ROADWAY LIGHT POLE AND LUMINAIRE MEETING	SUBMIT FOR PRIOR APPROVAL	1,2,3,4
									REQUIREMENTS OF IOWA DOT SECTION 2523		
P1	GRAND SERIES STRUCTURAL BASE ALUMINUM POLE, 12' TALL, 4" STRAIGHT SMOOTH SHAFT WITH A 3"x3" TENON, PROVISIONS FOR PLATE FOR FUTURE RECEPTACLE. EPOXY PRIMER BEFORE HOLOPHANE BLACK FINISH. BABA SET OF (2) CLAMP-ON BANNER ARMS @ 180° WITH EYEBOLT. HOLOPHANE BLACK FINISH. BABA SET OF 1/2"x17" DOMESTIC ANCHOR BOLTS INCLUDED.	---	12' POLE ON FOUNDATION BASE	P30 8,400 NOMINAL LUMENS 4000K	LED DRIVER	120	27	HOLOPHANE	POLE: GRS 12B4 SR FST 3T3 EPRIME BK BABA BA27402 CO2 BK EB BABA HAP050 ABSET DOM RFD355933	SUBMIT FOR PRIOR APPROVAL	1,2,3,5
									LUMIERE; GVD3 P30 40K MVOLT SPL GL5 BK		
									OPTICS; GL5 GLASS, TYPE V		

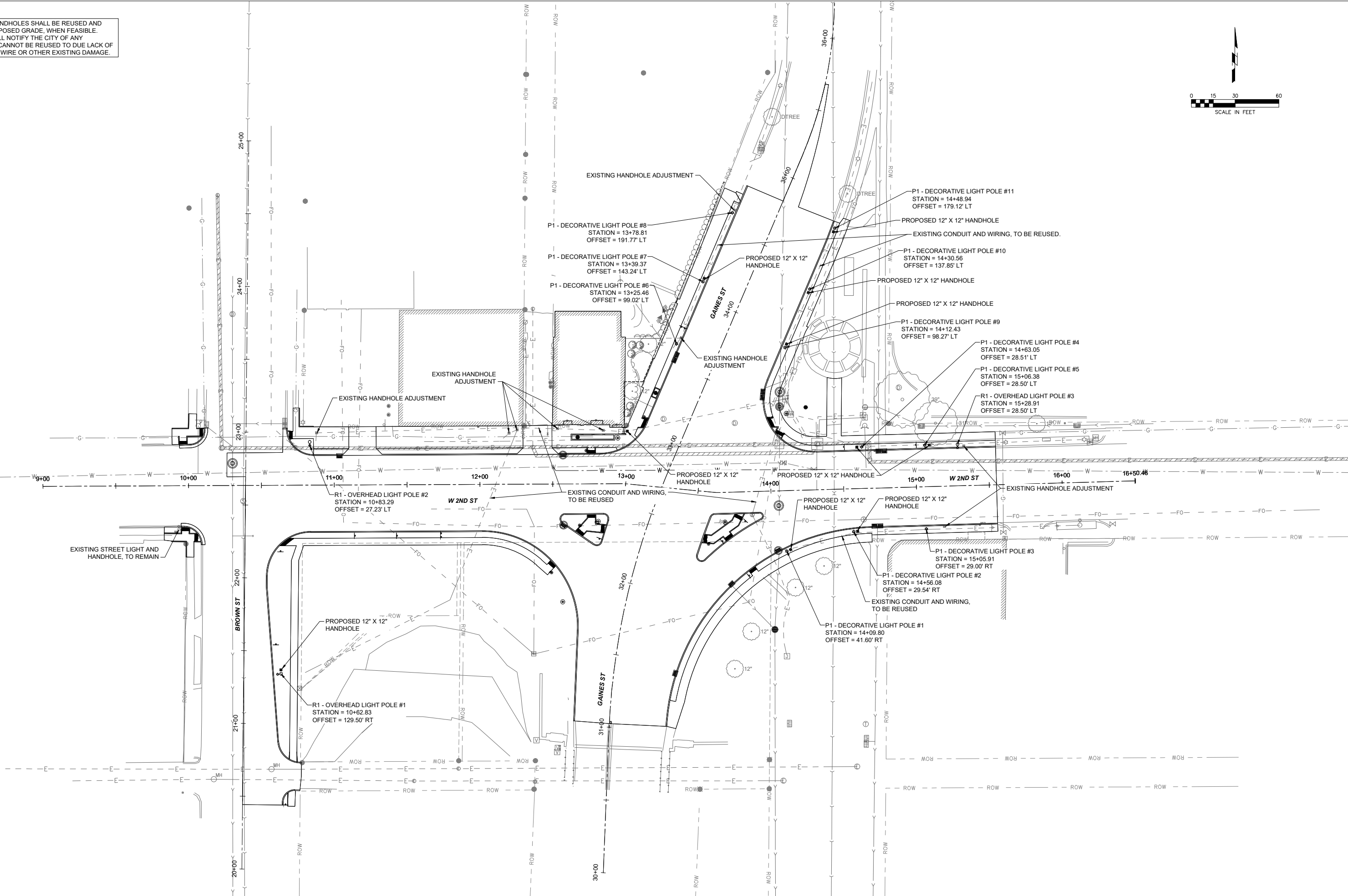
GENERAL ELECTRICAL REQUIREMENTS

1. CONTRACTOR SHALL PROVIDE ALL LABOR, MATERIAL AND EQUIPMENT REQUIRED TO COMPLETELY INSTALL ALL ELECTRICAL WORK. INSTALLATION SHALL MEET ALL CITY, UTILITY AND NEC CODES AND REQUIREMENTS.
2. NOT ALL SITE CONDITIONS ARE REPRESENTED ON THE LIGHTING PLAN SHEET. LOCATIONS OF UTILITIES SHOWN ARE APPROXIMATE AND CONTRACTOR SHALL EXERCISE EXTREME CAUTION IN EXCAVATING AND TRENCHING ON THIS SITE TO AVOID EXISTING UTILITIES, DUCTS, PIPING OR CONDUITS, ETC., AND TO PREVENT HAZARD TO PERSONNEL AND/OR DAMAGE TO EXISTING UNDERGROUND UTILITIES OF STRUCTURES WEATHER OR NOT SHOWN AND INSTALLED BY ANY OTHER CONTRACTORS. ELECTRICAL CONTRACTOR SHALL UTILIZE "ONE CALL" AND FIELD VERIFY BY HAND DIGGING AS REQUIRED PRIOR TO ANY TRENCHING, BORING OR AUGURING FOR NEW ELECTRICAL INSTALLATIONS. THE ENGINEER IS NOT RESPONSIBLE FOR THE LOCATION OF UNDERGROUND UTILITIES OR STRUCTURES WHETHER OR NOT SHOWN. THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE ENGINEER SHOULD SUCH UNIDENTIFIED CONDITIONS BE DISCOVERED. THESE DRAWINGS AND SPECIFICATIONS DO NOT INCLUDE NECESSARY COMPONENTS FOR CONSTRUCTION SAFETY.
3. EXISTING CONDUIT AND WIRING TO BE REUSED FOR PROPOSED LIGHT FIXTURES. CONTRACTOR RESPONSIBLE FOR PROVIDING ADDITIONAL CONDUIT AND WIRING AS REQUIRED FOR CONNECTION OF NEW FIXTURES WITH EXISTING WIRING. CONDUIT SHALL BE MINIMUM 2" DIAMETER SCHEDULE 40 PVC. ADDITIONAL CONDUIT AND WIRING REQUIRED SHALL BE INCIDENTAL TO THE LIGHTING POLE PAY ITEMS.
4. LIGHT POLES SHALL BE INSTALLED AT LOCATIONS SHOWN ON PLANS. EXISTING LIGHT POLE FOUNDATIONS SHALL BE REMOVED PRIOR TO INSTALLATION OF NEW POLE FOUNDATIONS. LOCATE ALL UTILITIES WITHIN VICINITY AND CONFIRM THAT POLE LOCATIONS DO NOT CONFLICT WITH UTILITIES. IF ADJUSTMENTS TO POLE LOCATIONS ARE NEEDED DUE TO UTILITY CONFLICTS, COORDINATE WITH ENGINEER FOR FINAL POLE LOCATIONS.
5. EXISTING POWER SHALL BE UTILIZED FOR PROPOSED LIGHTING FIXTURES. CONTRACTOR SHALL COORDINATE WITH MIDAMERICAN ENERGY FOR ANY DISCONNECTIONS OR CONNECTIONS REQUIRED.
6. FURNISH AND INSTALL FOUNDATION BASES FOR ROADWAY POLES PER IOWA DOT STANDARD ROAD PLAN DETAIL LI-201. DECORATIVE LIGHT POLE BASES SHALL BE INSTALLED PER DETAIL ON 'B' SHEETS. SEE 'C' SHEETS FOR TABULATION.
7. FURNISH AND INSTALL HANDHOLES PER IOWA DOT STANDARD ROAD PLAN DETAIL LI-103. ALL HANDHOLES SHALL BE 12" X 12".
8. EXISTING HANDHOLES NOT CALLED FOR REMOVAL SHALL BE ADJUSTED TO PROPOSED GRADE.
9. WIRING INSULATION SHALL BE TYPE THWN OR XHHW THERMOPLASTIC. CONDUCTORS SHALL BE INSULATED FOR 600 VOLTS UNLESS OTHERWISE SHOWN. CONDUCTORS THROUGHOUT THE WORK SHALL BE COPPER WIRE SIZED PER THE NEC FOR ELECTRICAL CURRENT LOADS AS DESIGNED. CONDUCTORS #8-AWG AND LARGER SHALL BE STANDARD WITH NO CONDUCTOR SMALLER THAN #12-AWG TO BE USED UNLESS SPECIFICALLY NOTED. FEEDERS WITHIN THE LIGHT POLES TO THE INDIVIDUAL LUMINAIRES SHALL BE #10 STANDARD THHN WIRE.
10. ABANDONED CONDUIT SHALL BE REMOVED TO AND CAPPED BEHIND OR BELOW THE FINISHED SURFACE OR STRUCTURE.
11. EACH FEED WIRE WITHIN THE POLE SHALL BE FUSED WITH A 65-U TYPE FUSE HOLDER AND A KTK TYPE FUSE.

NOTE: EXISTING HANDHOLES SHALL BE REUSED AND ADJUSTED TO PROPOSED GRADE, WHEN FEASIBLE. CONTRACTOR SHALL NOTIFY THE CITY OF ANY HANDHOLES THAT CANNOT BE REUSED DUE TO LACK OF SLACK IN EXISTING WIRE OR OTHER EXISTING DAMAGE.

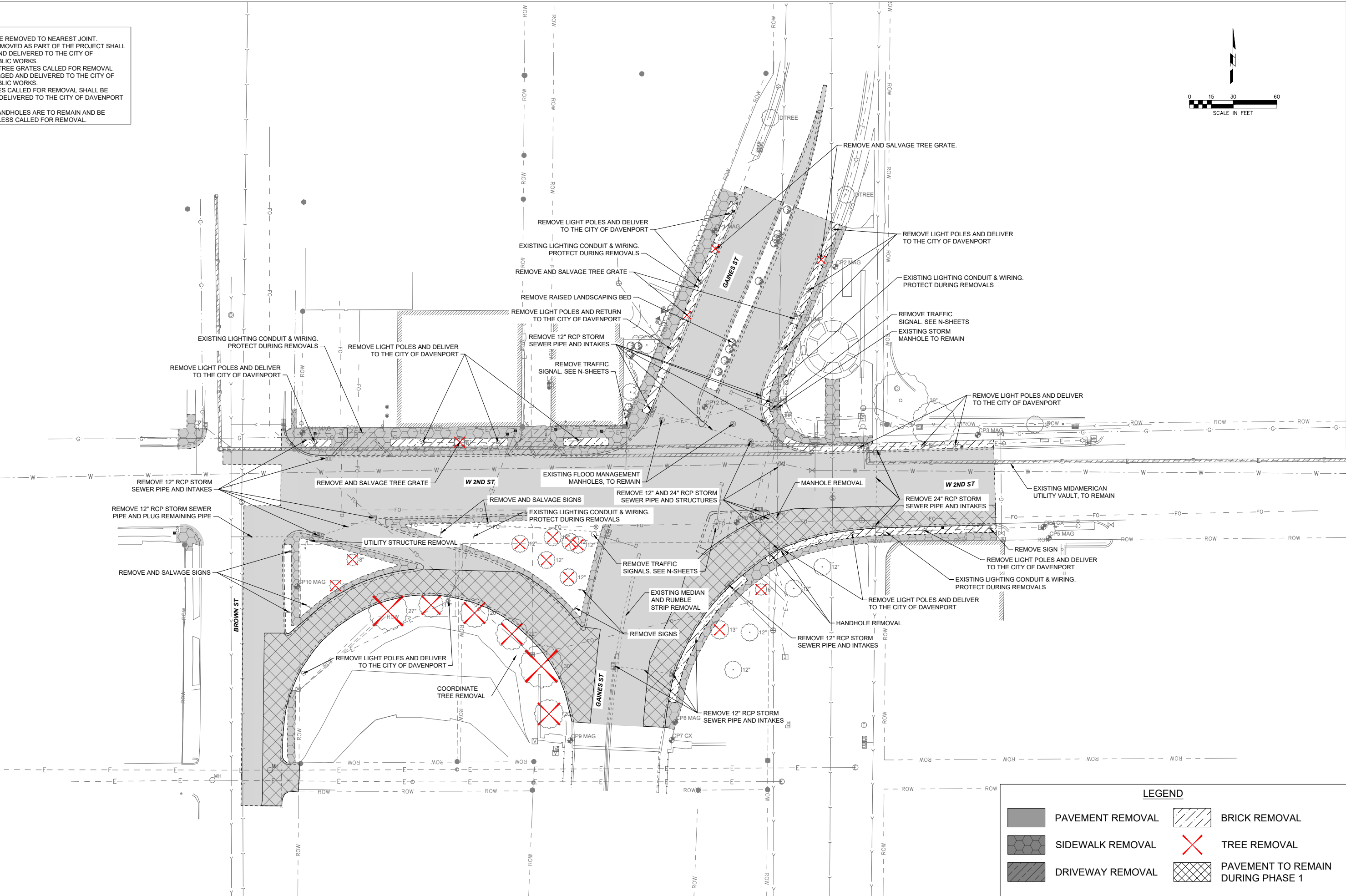
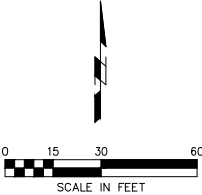


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- REMOVAL NOTES:
1. PAVEMENT TO BE REMOVED TO NEAREST JOINT.
 2. LIGHT POLES REMOVED AS PART OF THE PROJECT SHALL BE SALVAGED AND DELIVERED TO THE CITY OF DAVENPORT PUBLIC WORKS.
 3. ALL SIGNS AND TREE GRATES CALLED FOR REMOVAL SHALL BE SALVAGED AND DELIVERED TO THE CITY OF DAVENPORT PUBLIC WORKS.
 4. ALL TREE GRATES CALLED FOR REMOVAL SHALL BE SALVAGED AND DELIVERED TO THE CITY OF DAVENPORT PUBLIC WORKS.
 5. ALL EXISTING HANDHOLES ARE TO REMAIN AND BE PROTECTED UNLESS CALLED FOR REMOVAL.

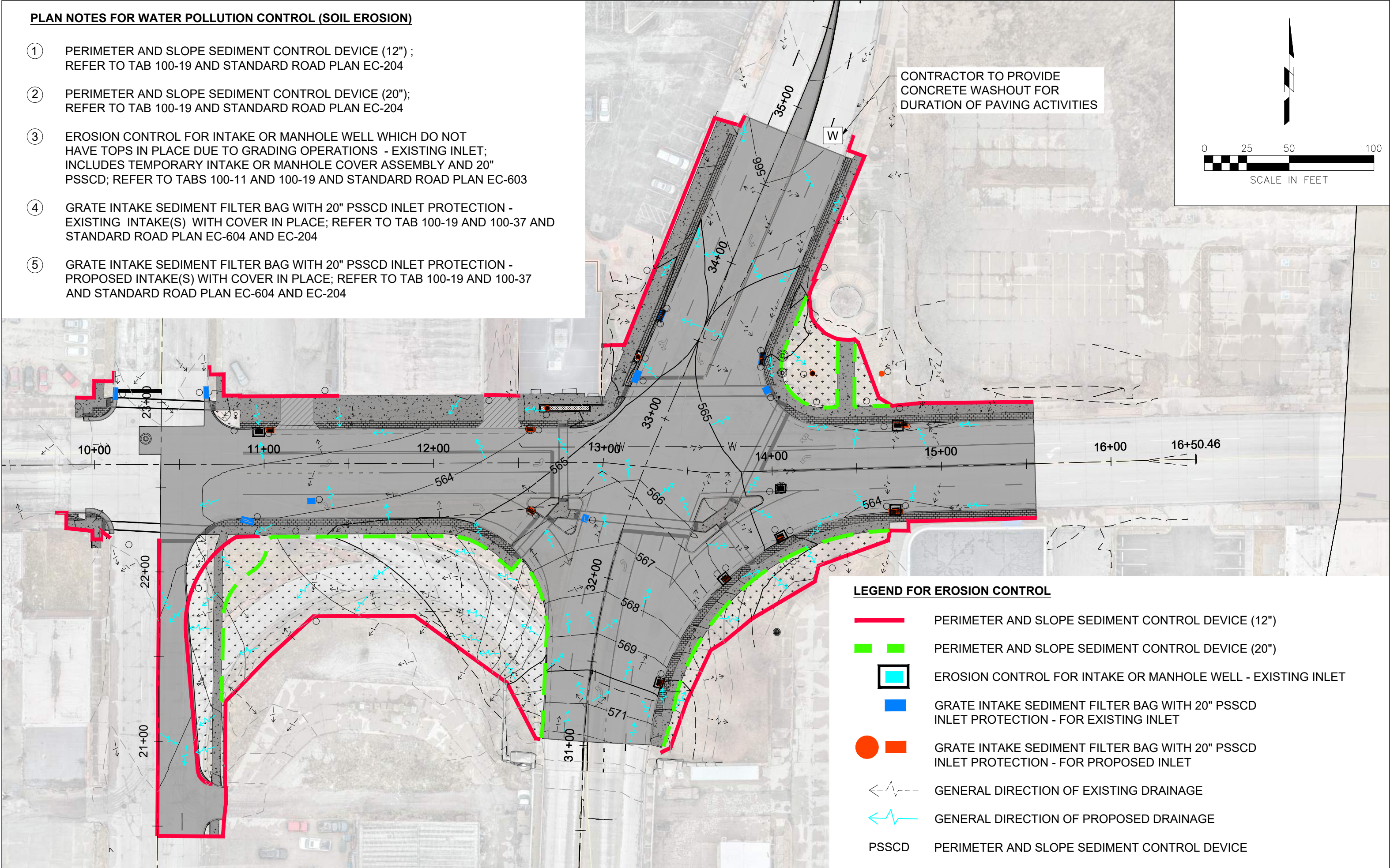
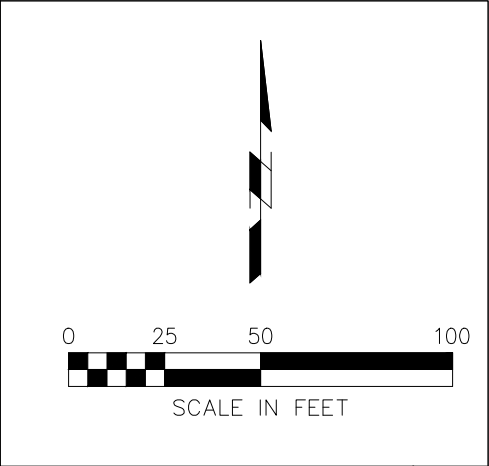


LEGEND

	PAVEMENT REMOVAL		BRICK REMOVAL
	SIDEWALK REMOVAL		TREE REMOVAL
	DRIVEWAY REMOVAL		PAVEMENT TO REMAIN DURING PHASE 1

PLAN NOTES FOR WATER POLLUTION CONTROL (SOIL EROSION)

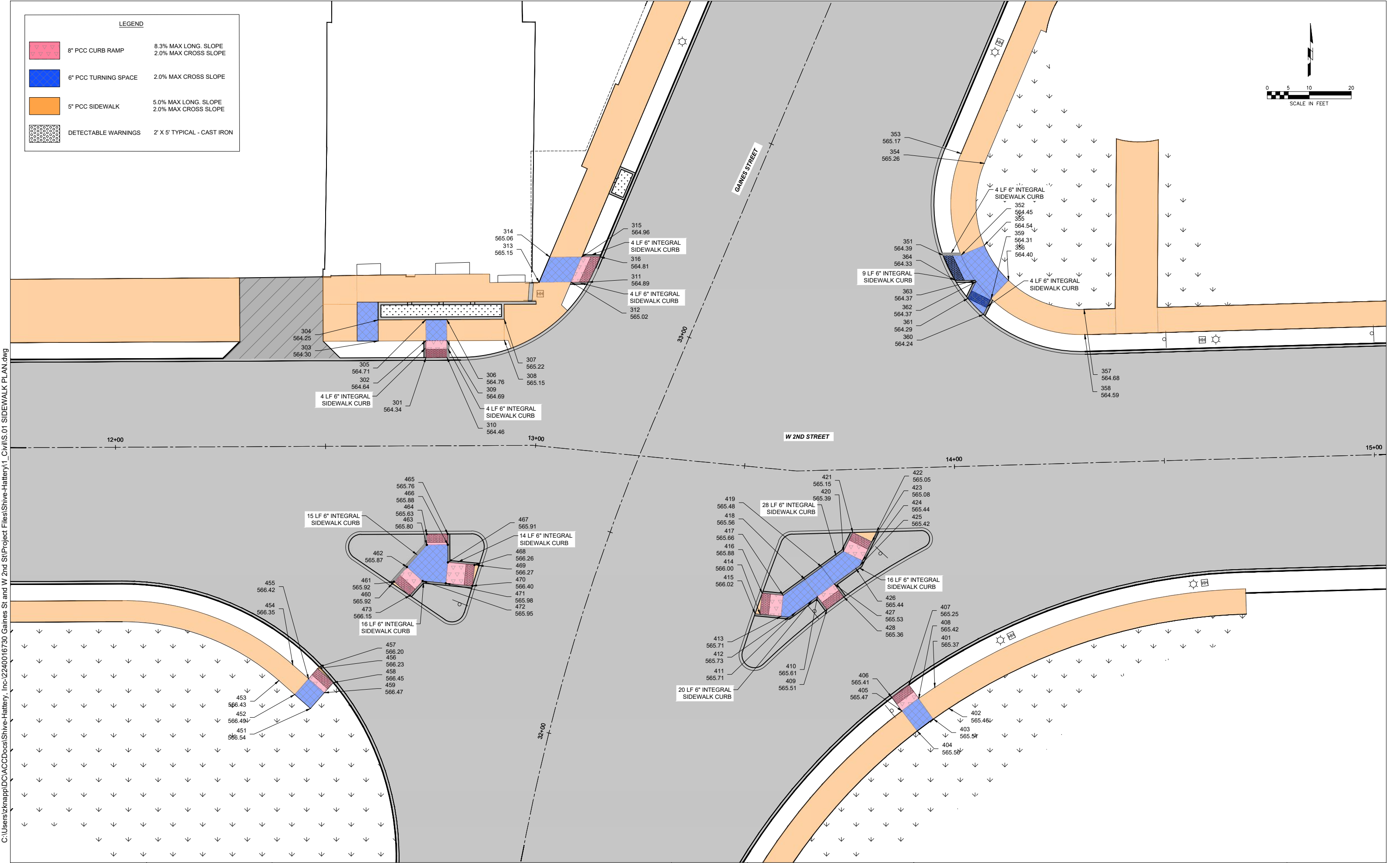
- ① PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE (12"); REFER TO TAB 100-19 AND STANDARD ROAD PLAN EC-204
- ② PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE (20"); REFER TO TAB 100-19 AND STANDARD ROAD PLAN EC-204
- ③ EROSION CONTROL FOR INTAKE OR MANHOLE WELL WHICH DO NOT HAVE TOPS IN PLACE DUE TO GRADING OPERATIONS - EXISTING INLET; INCLUDES TEMPORARY INTAKE OR MANHOLE COVER ASSEMBLY AND 20" PSSCD; REFER TO TABS 100-11 AND 100-19 AND STANDARD ROAD PLAN EC-603
- ④ GRATE INTAKE SEDIMENT FILTER BAG WITH 20" PSSCD INLET PROTECTION - EXISTING INTAKE(S) WITH COVER IN PLACE; REFER TO TAB 100-19 AND 100-37 AND STANDARD ROAD PLAN EC-604 AND EC-204
- ⑤ GRATE INTAKE SEDIMENT FILTER BAG WITH 20" PSSCD INLET PROTECTION - PROPOSED INTAKE(S) WITH COVER IN PLACE; REFER TO TAB 100-19 AND 100-37 AND STANDARD ROAD PLAN EC-604 AND EC-204



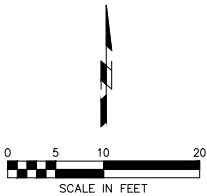
LEGEND FOR EROSION CONTROL

- PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE (12")
- PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE (20")
- EROSION CONTROL FOR INTAKE OR MANHOLE WELL - EXISTING INLET
- GRATE INTAKE SEDIMENT FILTER BAG WITH 20" PSSCD INLET PROTECTION - FOR EXISTING INLET
- GRATE INTAKE SEDIMENT FILTER BAG WITH 20" PSSCD INLET PROTECTION - FOR PROPOSED INLET
- GENERAL DIRECTION OF EXISTING DRAINAGE
- GENERAL DIRECTION OF PROPOSED DRAINAGE
- PSSCD PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE

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LEGEND		
	8" PCC CURB RAMP	8.3% MAX LONG. SLOPE 2.0% MAX CROSS SLOPE
	6" PCC TURNING SPACE	2.0% MAX CROSS SLOPE
	5" PCC SIDEWALK	5.0% MAX LONG. SLOPE 2.0% MAX CROSS SLOPE
	DETECTABLE WARNINGS	2' X 5' TYPICAL - CAST IRON



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LEGEND

8" PCC CURB RAMP

8.3% MAX LONG. SLOPE
2.0% MAX CROSS SLOPE

6" PCC TURNING SPACE

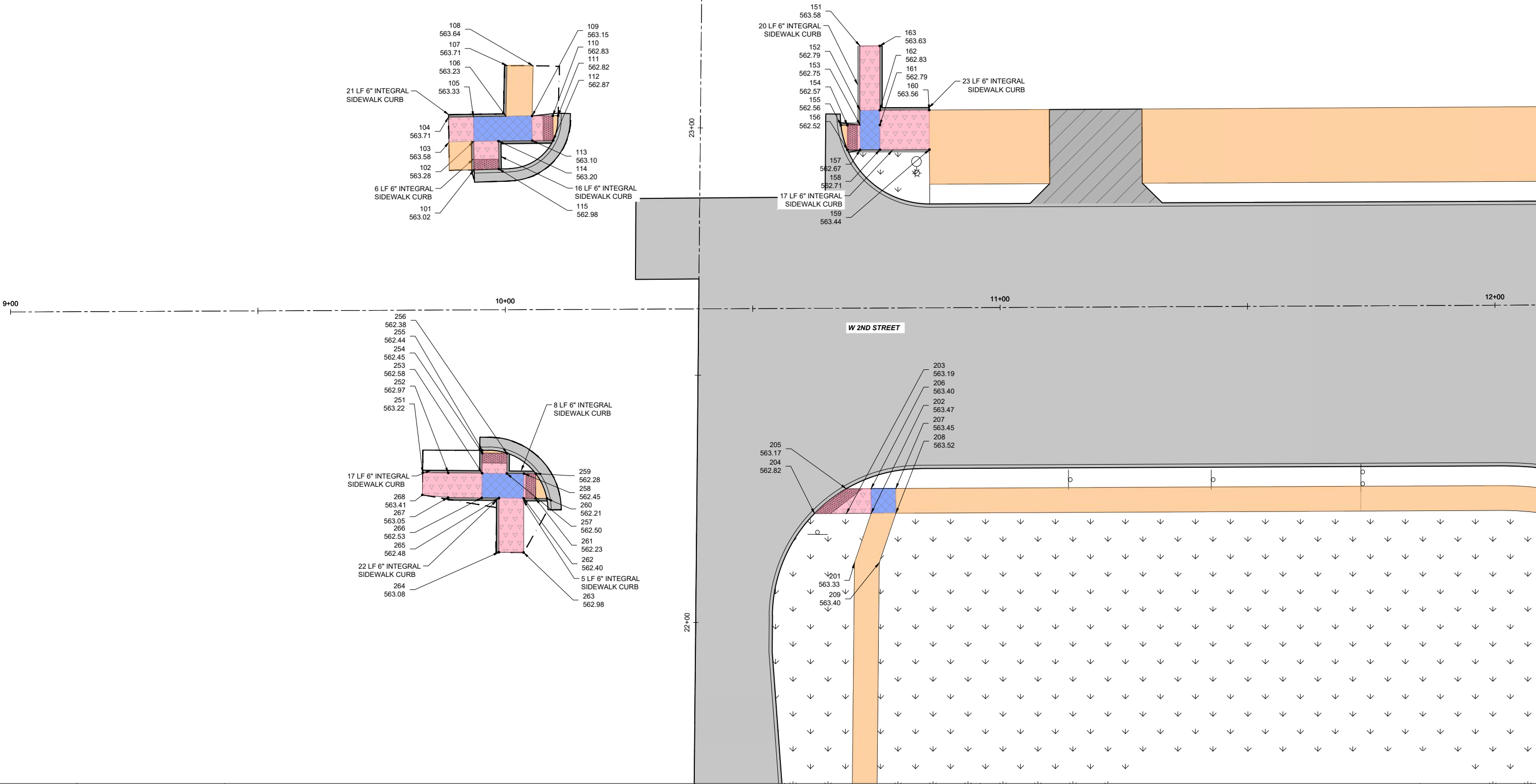
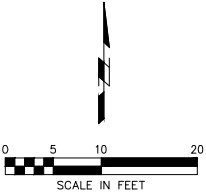
2.0% MAX CROSS SLOPE

5" PCC SIDEWALK

5.0% MAX LONG. SLOPE
2.0% MAX CROSS SLOPE

DETECTABLE WARNINGS

2' X 5' TYPICAL - CAST IRON



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113_10
6/18/25

SIDEWALK COMPLIANCE
See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Line No.	Roadway Identification	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Legally Acceptable Range (+ or -)	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
1.0	BROWN ST/W 2ND ST	101	102	Ramp Running Slope	8	5.60	0.26	4.6	0.5% to 8.3%				
2.0	BROWN ST/W 2ND ST	101	115	Crosswalk Cross Slope - No Yield Condition	8	5.00	-0.04	-0.8	0.0% to 5.0%				
3.0	BROWN ST/W 2ND ST	102	114	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
4.0	BROWN ST/W 2ND ST	102	105	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
5.0	BROWN ST/W 2ND ST	102	103	Ramp Running Slope	6	5.00	0.30	6.0	0.5% to 8.3%				
6.0	BROWN ST/W 2ND ST	103	104	Match Existing Cross Slope	6	5.10	0.13	2.5	Match Existing				
7.0	BROWN ST/W 2ND ST	104	105	Ramp Running Slope	6	5.00	-0.38	-7.6	0.5% to 8.3%				
8.0	BROWN ST/W 2ND ST	105	106	Landing/Turning Space	6	6.56	-0.10	-1.5	0.1% to 2.0%				
9.0	BROWN ST/W 2ND ST	106	109	Landing/Turning Space	6	5.25	-0.08	-1.5	0.1% to 2.0%				
10.0	BROWN ST/W 2ND ST	106	107	Sidewalk Running Slope	5	10.27	0.48	4.7	0.5% to 5.0%				
11.0	BROWN ST/W 2ND ST	107	108	Match Existing Cross Slope	5	5.25	-0.07	-1.3	Match Existing				
12.0	BROWN ST/W 2ND ST	108	109	Sidewalk Running Slope	5	10.15	-0.49	-4.8	0.5% to 5.0%				
13.0	BROWN ST/W 2ND ST	109	110	Ramp Running Slope	8	4.18	-0.31	-7.4	0.5% to 8.3%				
14.0	BROWN ST/W 2ND ST	109	113	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
15.0	BROWN ST/W 2ND ST	110	111	Sidewalk Running Slope	8	1.07	-0.02	-1.9	0.5% to 5.0%				
16.0	BROWN ST/W 2ND ST	110	112	Crosswalk Cross Slope - No Yield Condition	8	5.00	0.03	0.6	0.0% to 5.0%				
17.0	BROWN ST/W 2ND ST	111	112	Crosswalk Cross Slope - No Yield Condition	8	5.16	0.05	1.0	0.0% to 5.0%				
18.0	BROWN ST/W 2ND ST	112	113	Ramp Running Slope	8	4.18	0.23	5.5	0.5% to 8.3%				
19.0	BROWN ST/W 2ND ST	113	114	Landing/Turning Space	6	6.85	0.10	1.5	0.1% to 2.0%				
20.0	BROWN ST/W 2ND ST	114	115	Ramp Running Slope	8	5.60	-0.22	-3.9	0.5% to 8.3%				
21.0	BROWN ST/W 2ND ST	151	163	Match Existing Cross Slope	5	4.00	0.05	1.2	Match Existing				
22.0	BROWN ST/W 2ND ST	151	152	Ramp Running Slope	5	13.00	-0.79	-6.1	0.5% to 8.3%				
23.0	BROWN ST/W 2ND ST	152	162	Landing/Turning Space	6	4.00	0.04	1.0	0.1% to 2.0%				
24.0	BROWN ST/W 2ND ST	152	153	Landing/Turning Space	6	3.11	-0.04	-1.3	0.1% to 2.0%				
25.0	BROWN ST/W 2ND ST	153	161	Landing/Turning Space	6	4.00	0.04	1.0	0.1% to 2.0%				
26.0	BROWN ST/W 2ND ST	153	157	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
27.0	BROWN ST/W 2ND ST	153	154	Ramp Running Slope	8	2.56	-0.18	-7.0	0.5% to 8.3%				
28.0	BROWN ST/W 2ND ST	154	155	Sidewalk Running Slope	8	1.30	-0.01	-0.8	0.5% to 5.0%				
29.0	BROWN ST/W 2ND ST	154	156	Ramp Cross Slope	8	5.00	-0.05	-1.0	0.1% to 2.0%				
30.0	BROWN ST/W 2ND ST	155	156	Crosswalk Cross Slope - No Yield Condition	8	5.20	-0.04	-0.8	0.0% to 5.0%				
31.0	BROWN ST/W 2ND ST	156	157	Ramp Running Slope	8	2.55	0.15	5.9	0.5% to 8.3%				
32.0	BROWN ST/W 2ND ST	157	158	Landing/Turning Space	6	4.00	0.04	1.0	0.1% to 2.0%				
33.0	BROWN ST/W 2ND ST	158	161	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
34.0	BROWN ST/W 2ND ST	158	159	Ramp Running Slope	5	10.00	0.73	7.3	0.5% to 8.3%				
35.0	BROWN ST/W 2ND ST	159	160	Ramp Running Slope	5	8.00	0.12	1.5	0.5% to 8.3%				
36.0	BROWN ST/W 2ND ST	160	162	Ramp Running Slope	5	10.00	-0.73	-7.3	0.5% to 8.3%				
37.0	BROWN ST/W 2ND ST	161	162	Landing/Turning Space	6	3.00	0.04	1.3	0.1% to 2.0%				
38.0	BROWN ST/W 2ND ST	162	163	Ramp Running Slope	5	13.00	0.80	6.2	0.5% to 8.3%				
39.0	BROWN ST/W 2ND ST	201	209	Match Existing Cross Slope	5	5.00	0.07	1.4	Match Existing				
40.0	BROWN ST/W 2ND ST	201	202	Sidewalk Running Slope	5	10.57	0.14	1.3	0.5% to 5.0%				
41.0	BROWN ST/W 2ND ST	202	206	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
42.0	BROWN ST/W 2ND ST	202	208	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
43.0	BROWN ST/W 2ND ST	202	203	Ramp Running Slope	8	5.00	-0.28	-5.6	0.5% to 8.3%				
44.0	BROWN ST/W 2ND ST	203	205	Ramp Cross Slope	8	5.00	-0.02	-0.4	0.1% to 2.0%				
45.0	BROWN ST/W 2ND ST	203	204	Ramp Running Slope	8	6.46	-0.37	-5.7	0.5% to 8.3%				
46.0	BROWN ST/W 2ND ST	204	205	Crosswalk Cross Slope - No Yield Condition	8	8.19	0.35	4.3	0.0% to 5.0%				
47.0	BROWN ST/W 2ND ST	205	206	Ramp Running Slope	8	5.00	0.23	4.6	0.5% to 8.3%				
48.0	BROWN ST/W 2ND ST	206	207	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
49.0	BROWN ST/W 2ND ST	207	208	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
50.0	BROWN ST/W 2ND ST	208	209	Sidewalk Running Slope	5	10.57	-0.12	-1.1	0.5% to 5.0%				
51.0	BROWN ST/W 2ND ST	251	268	Match Existing Cross Slope	5	4.50	0.19	4.2	Match Existing				

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SIDEWALK COMPLIANCE
See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Line No.	Roadway Identification	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Legally Acceptable Range (+ or -)	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
52.0	BROWN ST/W 2ND ST	251	252	Ramp Running Slope	5	5.15	-0.25	-4.9	0.5% to 8.3%				
53.0	BROWN ST/W 2ND ST	252	267	Ramp Cross Slope	5	5.00	0.08	1.6	0.1% to 2.0%				
54.0	BROWN ST/W 2ND ST	252	253	Ramp Running Slope	5	6.83	-0.39	-5.7	0.5% to 8.3%				
55.0	BROWN ST/W 2ND ST	253	254	Ramp Running Slope	8	4.07	-0.13	-3.2	0.5% to 8.3%				
56.0	BROWN ST/W 2ND ST	253	257	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
57.0	BROWN ST/W 2ND ST	253	266	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
58.0	BROWN ST/W 2ND ST	254	256	Crosswalk Cross Slope - No Yield Condition	8	5.00	-0.07	-1.4	0.0% to 5.0%				
59.0	BROWN ST/W 2ND ST	254	255	Sidewalk Running Slope	8	0.54	-0.01	-1.9	0.5% to 5.0%				
60.0	BROWN ST/W 2ND ST	255	256	Crosswalk Cross Slope - No Yield Condition	8	5.10	-0.06	-1.2	0.0% to 5.0%				
61.0	BROWN ST/W 2ND ST	256	257	Ramp Running Slope	8	4.07	0.12	2.9	0.5% to 8.3%				
62.0	BROWN ST/W 2ND ST	257	258	Landing/Turning Space	6	3.47	-0.05	-1.4	0.1% to 2.0%				
63.0	BROWN ST/W 2ND ST	258	262	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
64.0	BROWN ST/W 2ND ST	258	259	Ramp Running Slope	8	2.39	-0.17	-7.1	0.5% to 8.3%				
65.0	BROWN ST/W 2ND ST	259	261	Crosswalk Cross Slope - No Yield Condition	8	5.00	-0.05	-1.0	0.0% to 5.0%				
66.0	BROWN ST/W 2ND ST	259	260	Crosswalk Cross Slope - No Yield Condition	8	5.67	-0.07	-1.2	0.0% to 5.0%				
67.0	BROWN ST/W 2ND ST	260	261	Sidewalk Running Slope	8	2.32	0.02	0.9	0.5% to 5.0%				
68.0	BROWN ST/W 2ND ST	261	262	Ramp Running Slope	8	2.39	0.17	7.1	0.5% to 8.3%				
69.0	BROWN ST/W 2ND ST	262	265	Landing/Turning Space	6	5.00	0.08	1.6	0.1% to 2.0%				
70.0	BROWN ST/W 2ND ST	262	263	Ramp Running Slope	5	10.92	0.58	5.3	0.5% to 8.3%				
71.0	BROWN ST/W 2ND ST	263	264	Match Existing Cross Slope	5	5.00	0.10	2.0	Match Existing				
72.0	BROWN ST/W 2ND ST	264	265	Ramp Running Slope	5	10.92	-0.60	-5.5	0.5% to 8.3%				
73.0	BROWN ST/W 2ND ST	265	266	Landing/Turning Space	6	3.40	0.05	1.5	0.1% to 2.0%				
74.0	BROWN ST/W 2ND ST	266	267	Ramp Running Slope	5	6.83	0.52	7.6	0.5% to 8.3%				
75.0	BROWN ST/W 2ND ST	267	268	Ramp Running Slope	5	5.20	0.36	6.9	0.5% to 8.3%				
76.0	W 2ND ST/ GAINES ST	301	310	Crosswalk Cross Slope - No Yield Condition	8	5.00	0.12	2.4	0.0% to 5.0%				
77.0	W 2ND ST/ GAINES ST	301	302	Ramp Running Slope	8	4.00	0.30	7.5	0.5% to 8.3%				
78.0	W 2ND ST/ GAINES ST	302	305	Landing/Turning Space	6	5.00	0.07	1.4	0.1% to 2.0%				
79.0	W 2ND ST/ GAINES ST	302	309	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
80.0	W 2ND ST/ GAINES ST	302	303	Sidewalk Running Slope	5	11.34	-0.34	-3.0	0.5% to 5.0%				
81.0	W 2ND ST/ GAINES ST	303	304	Sidewalk Cross Slope	5	5.00	-0.05	-1.0	0.5% to 2.0%				
82.0	W 2ND ST/ GAINES ST	304	305	Sidewalk Running Slope	5	11.34	0.46	4.1	0.5% to 5.0%				
83.0	W 2ND ST/ GAINES ST	305	306	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
84.0	W 2ND ST/ GAINES ST	306	309	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
85.0	W 2ND ST/ GAINES ST	306	307	Ramp Running Slope	5	13.68	0.46	3.4	0.5% to 8.3%				
86.0	W 2ND ST/ GAINES ST	307	308	Match Existing Cross Slope	5	5.00	-0.07	-1.4	Match Existing				
87.0	W 2ND ST/ GAINES ST	308	309	Ramp Running Slope	5	13.68	-0.46	-3.4	0.5% to 8.3%				
88.0	W 2ND ST/ GAINES ST	309	310	Ramp Running Slope	8	4.00	-0.23	-5.8	0.5% to 8.3%				
89.0	W 2ND ST/ GAINES ST	311	312	Ramp Running Slope	8	4.13	0.13	3.1	0.5% to 8.3%				
90.0	W 2ND ST/ GAINES ST	311	316	Crosswalk Cross Slope - No Yield Condition	8	6.62	-0.08	-1.2	0.0% to 5.0%				
91.0	W 2ND ST/ GAINES ST	312	315	Landing/Turning Space	6	6.53	-0.06	-0.9	0.1% to 2.0%				
92.0	W 2ND ST/ GAINES ST	312	313	Landing/Turning Space	6	7.62	0.13	1.7	0.1% to 2.0%				
93.0	W 2ND ST/ GAINES ST	313	314	Landing/Turning Space	6	6.53	-0.09	-1.4	0.1% to 2.0%				
94.0	W 2ND ST/ GAINES ST	314	315	Landing/Turning Space	6	7.62	-0.10	-1.3	0.1% to 2.0%				
95.0	W 2ND ST/ GAINES ST	315	316	Ramp Running Slope	8	4.35	-0.15	-3.4	0.5% to 8.3%				
96.0	W 2ND ST/ GAINES ST	351	352	Landing/Turning Space	8	4.24	0.06	1.4	0.1% to 2.0%				
97.0	W 2ND ST/ GAINES ST	351	364	Crosswalk Cross Slope - No Yield Condition	8	6.81	-0.06	-0.9	0.0% to 5.0%				
98.0	W 2ND ST/ GAINES ST	352	363	Landing/Turning Space	6	7.07	-0.08	-1.1	0.1% to 2.0%				
99.0	W 2ND ST/ GAINES ST	352	355	Landing/Turning Space	5	6.00	0.09	1.5	0.1% to 2.0%				
100.0	W 2ND ST/ GAINES ST	352	353	Sidewalk Running Slope	5	23.26	0.72	3.1	0.5% to 5.0%				
101.0	W 2ND ST/ GAINES ST	353	354	Sidewalk Cross Slope	5	6.00	0.09	1.5	0.5% to 2.0%				
102.0	W 2ND ST/ GAINES ST	354	355	Sidewalk Running Slope	5	19.19	-0.72	-3.8	0.5% to 5.0%				

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SIDEWALK COMPLIANCE

See S Sheets

* Does not include curb
1. Staking required by Contracting Authority per Article 2511.03 of the Standard Specifications.
2. Refer to tabulation 113-01 for bid quantities.
3. See Tab 113-10A for point location information.

Line No.	Roadway Identification	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Legally Acceptable Range (+ or -)	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
103.0	W 2ND ST/ GAINES ST	355	356	Landing/Turning Space	6	10.37	-0.14	-1.4	0.1% to 2.0%				
104.0	W 2ND ST/ GAINES ST	356	359	Landing/Turning Space	8	6.00	-0.09	-1.5	0.1% to 2.0%				
105.0	W 2ND ST/ GAINES ST	356	357	Sidewalk Running Slope	5	20.47	0.28	1.4	0.5% to 5.0%				
106.0	W 2ND ST/ GAINES ST	357	358	Sidewalk Cross Slope	5	6.00	-0.09	-1.5	0.5% to 2.0%				
107.0	W 2ND ST/ GAINES ST	358	359	Sidewalk Running Slope	5	24.85	-0.28	-1.1	0.5% to 5.0%				
108.0	W 2ND ST/ GAINES ST	359	360	Landing/Turning Space	8	4.22	-0.07	-1.7	0.1% to 2.0%				
109.0	W 2ND ST/ GAINES ST	359	362	Landing/Turning Space	6	4.55	0.06	1.3	0.1% to 2.0%				
110.0	W 2ND ST/ GAINES ST	359	360	Landing/Turning Space	8	4.22	-0.07	-1.7	0.1% to 2.0%				
111.0	W 2ND ST/ GAINES ST	360	361	Crosswalk Cross Slope - No Yield Condition	8	4.51	0.05	1.1	0.0% to 5.0%				
112.0	W 2ND ST/ GAINES ST	361	362	Landing/Turning Space	8	4.44	0.08	1.8	0.1% to 2.0%				
113.0	W 2ND ST/ GAINES ST	362	363	Landing/Turning Space	6	1.25		0.3	0.1% to 2.0%				
114.0	W 2ND ST/ GAINES ST	363	364	Landing/Turning Space	8	4.73	-0.04	-0.8	0.1% to 2.0%				
115.0	W 2ND ST/ GAINES ST	401	402	Sidewalk Cross Slope	5	6.00	0.09	1.5	0.5% to 2.0%				
116.0	W 2ND ST/ GAINES ST	401	408	Sidewalk Running Slope	5	4.64	0.05	1.1	0.5% to 5.0%				
117.0	W 2ND ST/ GAINES ST	402	403	Sidewalk Running Slope	5	4.42	0.05	1.1	0.5% to 5.0%				
118.0	W 2ND ST/ GAINES ST	403	404	Landing/Turning Space	6	4.82	0.05	1.0	0.1% to 2.0%				
119.0	W 2ND ST/ GAINES ST	403	408	Landing/Turning Space	6	6.00	-0.09	-1.5	0.1% to 2.0%				
120.0	W 2ND ST/ GAINES ST	404	405	Landing/Turning Space	6	6.00	-0.09	-1.5	0.1% to 2.0%				
121.0	W 2ND ST/ GAINES ST	405	408	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
122.0	W 2ND ST/ GAINES ST	405	406	Ramp Running Slope	8	4.00	-0.06	-1.5	0.5% to 8.3%				
123.0	W 2ND ST/ GAINES ST	406	407	Crosswalk Cross Slope - No Yield Condition	8	5.00	-0.16	-3.2	0.0% to 5.0%				
124.0	W 2ND ST/ GAINES ST	407	408	Ramp Running Slope	8	4.00	0.17	4.2	0.5% to 8.3%				
125.0	W 2ND ST/ GAINES ST	409	428	Crosswalk Cross Slope - No Yield Condition	8	5.00	-0.15	-3.0	0.0% to 5.0%				
126.0	W 2ND ST/ GAINES ST	409	410	Ramp Running Slope	8	3.85	0.10	2.6	0.5% to 8.3%				
127.0	W 2ND ST/ GAINES ST	410	418	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
128.0	W 2ND ST/ GAINES ST	410	411	Landing/Turning Space	6	6.42	0.10	1.6	0.1% to 2.0%				
129.0	W 2ND ST/ GAINES ST	410	427	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
130.0	W 2ND ST/ GAINES ST	411	417	Landing/Turning Space	6	5.00	-0.06	-1.2	0.1% to 2.0%				
131.0	W 2ND ST/ GAINES ST	411	412	Landing/Turning Space	6	1.90	0.02	1.1	0.1% to 2.0%				
132.0	W 2ND ST/ GAINES ST	412	413	Landing/Turning Space	6	1.90	-0.02	-1.1	0.1% to 2.0%				
133.0	W 2ND ST/ GAINES ST	412	417	Landing/Turning Space	6	5.15	-0.08	-1.6	0.1% to 2.0%				
134.0	W 2ND ST/ GAINES ST	413	417	Landing/Turning Space	6	5.00	-0.06	-1.2	0.1% to 2.0%				
135.0	W 2ND ST/ GAINES ST	413	414	Ramp Running Slope	8	5.00	0.29	5.8	0.5% to 8.3%				
136.0	W 2ND ST/ GAINES ST	414	416	Crosswalk Cross Slope - No Yield Condition	8	5.00	-0.12	-2.4	0.0% to 5.0%				
137.0	W 2ND ST/ GAINES ST	414	415	Ramp Running Slope	8	1.20	0.01	0.8	0.5% to 8.3%				
138.0	W 2ND ST/ GAINES ST	415	416	Crosswalk Cross Slope - No Yield Condition	8	5.15	-0.13	-2.5	0.0% to 5.0%				
139.0	W 2ND ST/ GAINES ST	416	417	Ramp Running Slope	8	5.00	-0.23	-4.6	0.5% to 8.3%				
140.0	W 2ND ST/ GAINES ST	417	418	Landing/Turning Space	6	6.42	-0.09	-1.4	0.1% to 2.0%				
141.0	W 2ND ST/ GAINES ST	418	419	Landing/Turning Space	6	5.00	-0.08	-1.6	0.1% to 2.0%				
142.0	W 2ND ST/ GAINES ST	419	427	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
143.0	W 2ND ST/ GAINES ST	419	420	Landing/Turning Space	6	6.35	-0.09	-1.4	0.1% to 2.0%				
144.0	W 2ND ST/ GAINES ST	420	421	Ramp Running Slope	8	5.00	-0.24	-4.8	0.5% to 8.3%				
145.0	W 2ND ST/ GAINES ST	420	426	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
146.0	W 2ND ST/ GAINES ST	420	425	Landing/Turning Space	6	5.15	0.03	0.6	0.1% to 2.0%				
147.0	W 2ND ST/ GAINES ST	420	424	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
148.0	W 2ND ST/ GAINES ST	421	422	Crosswalk Cross Slope - No Yield Condition	8	5.65	-0.10	-1.8	0.0% to 5.0%				
149.0	W 2ND ST/ GAINES ST	421	423	Crosswalk Cross Slope - No Yield Condition	8	5.00	-0.07	-1.4	0.0% to 5.0%				
150.0	W 2ND ST/ GAINES ST	422	423	Ramp Running Slope	8	2.58	0.03	1.2	0.5% to 8.3%				
151.0	W 2ND ST/ GAINES ST	423	424	Ramp Running Slope	8	5.05	0.36	7.1	0.5% to 8.3%				
152.0	W 2ND ST/ GAINES ST	424	425	Landing/Turning Space	6	1.20	-0.02	-1.7	0.1% to 2.0%				
153.0	W 2ND ST/ GAINES ST	425	426	Landing/Turning Space	6	1.24	0.02	1.6	0.1% to 2.0%				

Line No.	Roadway Identification	From Point	Ending Point	Sidewalk Designation	Sidewalk Thickness (IN)	Distance* (FT)	Change in Elevation (FT)	Slope (%)	Legally Acceptable Range (+ or -)	Staking Required? (1)	Measured Slope (%)	Initials	Remarks
154.0	W 2ND ST/ GAINES ST	426	427	Landing/Turning Space	6	6.35	0.09	1.4	0.1% to 2.0%				
155.0	W 2ND ST/ GAINES ST	427	428	Ramp Running Slope	8	3.81	-0.17	-4.5	0.5% to 8.3%				
156.0	W 2ND ST/ GAINES ST	451	452	Landing/Turning Space	6	5.00	-0.05	-1.0	0.1% to 2.0%				
157.0	W 2ND ST/ GAINES ST	451	458	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
158.0	W 2ND ST/ GAINES ST	452	455	Landing/Turning Space	6	5.00	-0.07	-1.4	0.1% to 2.0%				
159.0	W 2ND ST/ GAINES ST	452	453	Sidewalk Running Slope	5	5.00	-0.07	-1.4	0.5% to 5.0%				
160.0	W 2ND ST/ GAINES ST	453	454	Sidewalk Cross Slope	5	5.00	-0.07	-1.4	0.5% to 2.0%				
161.0	W 2ND ST/ GAINES ST	454	455	Sidewalk Running Slope	5	5.00	0.07	1.4	0.5% to 5.0%				
162.0	W 2ND ST/ GAINES ST	455	459	Landing/Turning Space	6	5.00	0.05	1.0	0.1% to 2.0%				
163.0	W 2ND ST/ GAINES ST	455	456	Ramp Running Slope	8	3.81	-0.22	-5.8	0.5% to 8.3%				
164.0	W 2ND ST/ GAINES ST	456	457	Sidewalk Running Slope	8	0.55	-0.03	-5.5	0.5% to 5.0%				
164.0	W 2ND ST/ GAINES ST	457	458	Crosswalk Cross Slope - No Yield Condition	8	5.03	0.22	4.4	0.0% to 5.0%				
165.0	W 2ND ST/ GAINES ST	458	459	Ramp Running Slope	8	3.22	0.02	0.6	0.5% to 8.3%				
166.0	W 2ND ST/ GAINES ST	460	461	Sidewalk Running Slope	8	0.65	-0.01	-1.1	0.5% to 5.0%				
167.0	W 2ND ST/ GAINES ST	460	473	Crosswalk Cross Slope - No Yield Condition	8	5.04	0.23	4.6	0.0% to 5.0%				
168.0	W 2ND ST/ GAINES ST	461	472	Crosswalk Cross Slope - No Yield Condition	8	5.00	0.23	4.6	0.0% to 5.0%				
169.0	W 2ND ST/ GAINES ST	461	462	Ramp Running Slope	8	4.63	-0.05	-1.1	0.5% to 8.3%				

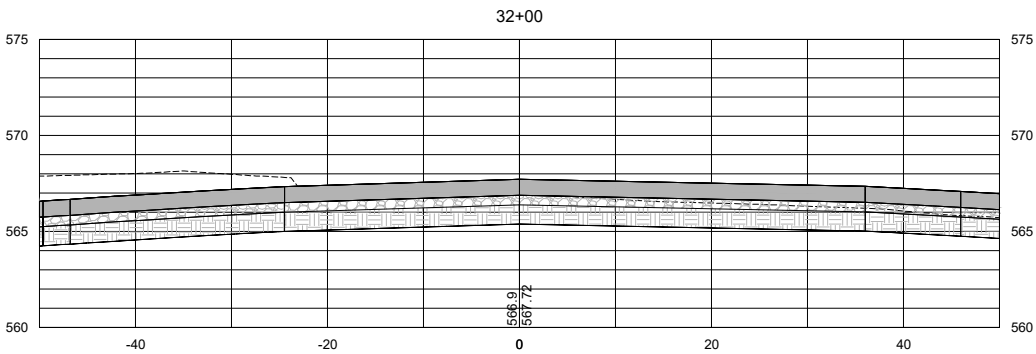
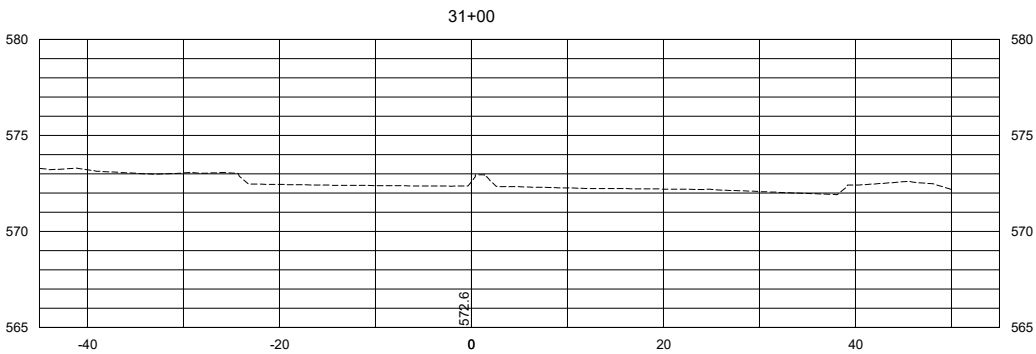
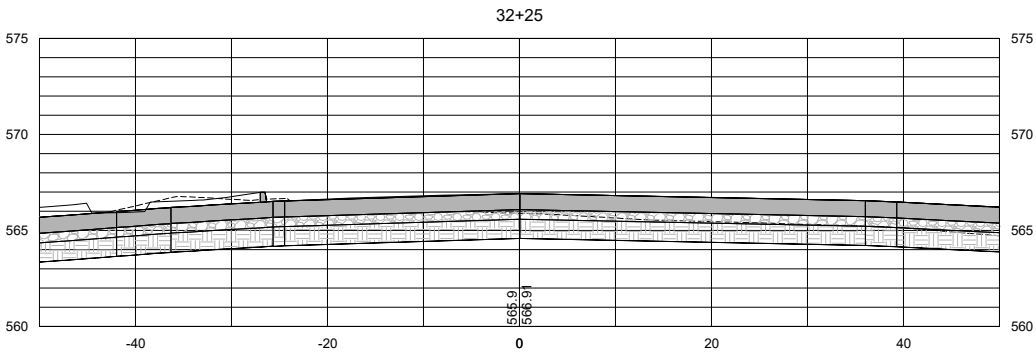
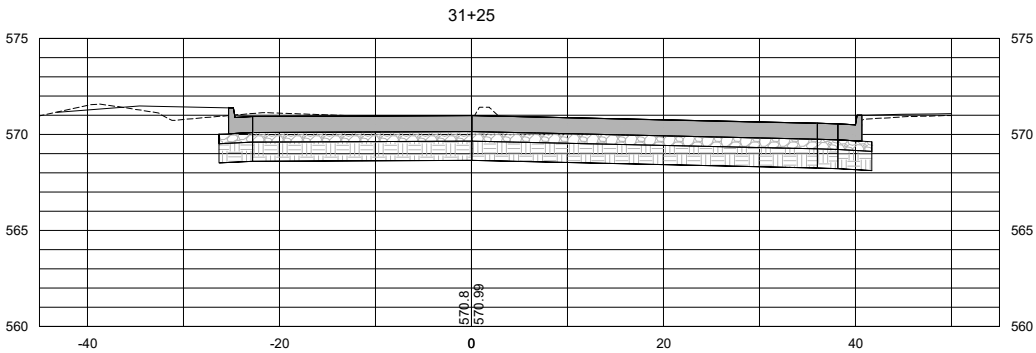
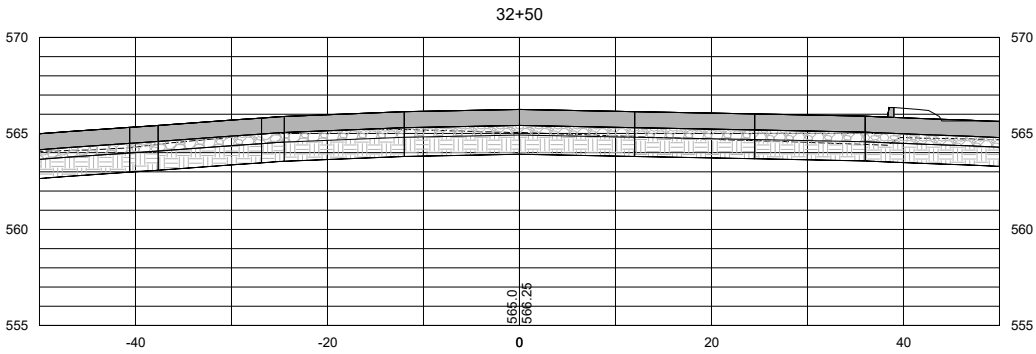
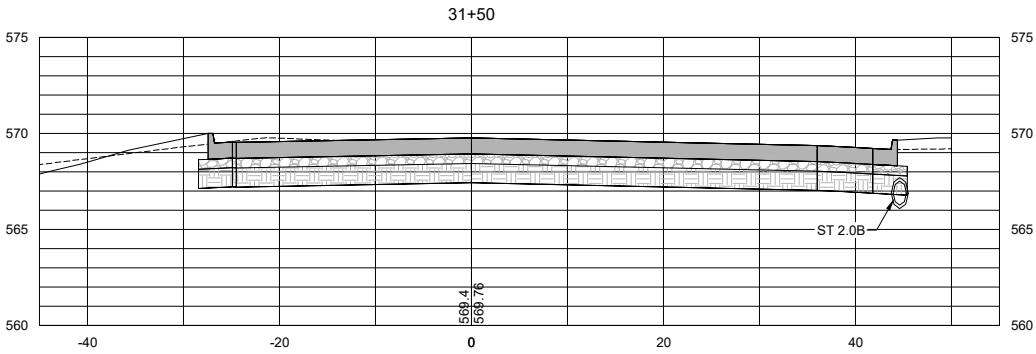
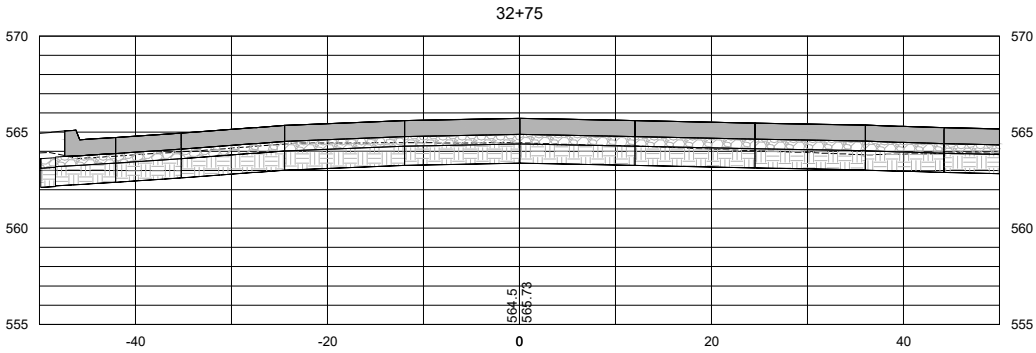
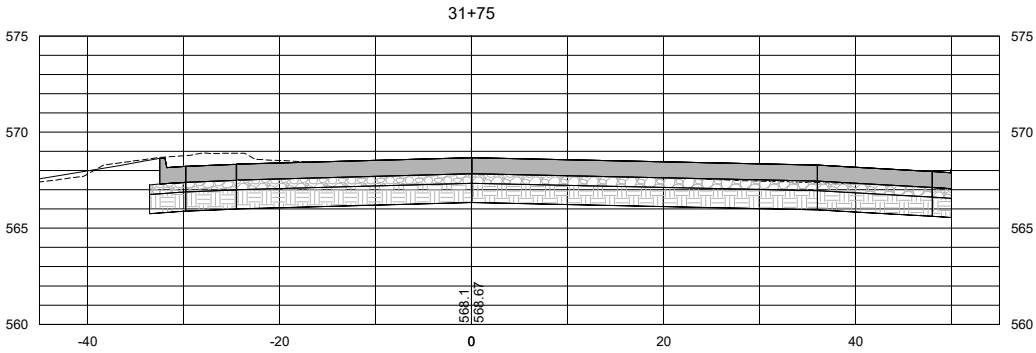
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113_10A 6/18/25 SIDEWALK COMPLIANCE VALUES				
FOR INFORMATION ONLY. VALUES USED TO DETERMINE DESIGNED SLOPES. SEE TAB 113-10.				
Line No.	Point	Station	Offset	Elevation
1.0	101	9+93.80	-28.33	563.02
2.0	102	9+93.76	-34.06	563.28
3.0	103	9+88.75	-33.92	563.58
4.0	104	9+88.71	-39.02	563.71
5.0	105	9+93.72	-39.06	563.33
6.0	106	10+00.28	-39.11	563.23
7.0	107	10+00.55	-49.38	563.71
8.0	108	10+05.82	-49.31	563.64
9.0	109	10+05.57	-39.15	563.15
10.0	110	10+09.75	-39.18	562.84
11.0	111	10+10.82	-39.19	562.82
12.0	112	10+09.80	-34.18	562.87
13.0	113	10+05.61	-34.15	563.10
14.0	114	9+98.76	-34.1	563.20
15.0	115	9+98.80	-28.46	562.98
16.0	151	10+71.88	-53	563.58
17.0	152	10+71.85	-40	562.79
18.0	153	10+71.84	-37	562.75
19.0	154	10+69.28	-37	562.57
20.0	155	10+67.97	-37	562.56
21.0	156	10+69.28	-32	562.52
22.0	157	10+71.83	-32	562.67
23.0	158	10+75.85	-32	562.71
24.0	159	10+85.85	-32	563.44
25.0	160	10+85.85	-40	563.56
26.0	161	10+75.85	-37	562.79
27.0	162	10+75.85	-40	562.83
28.0	163	10+75.88	-53	563.63
29.0	201	10+70.31	51.5	563.33
30.0	202	10+73.73	41.5	563.47
31.0	203	10+68.73	41.5	563.19
32.0	204	10+62.27	41.5	562.82
33.0	205	10+68.73	36.5	563.17
34.0	206	10+73.73	36.5	563.40
35.0	207	10+78.73	36.5	563.45
36.0	208	10+78.73	41.5	563.52
37.0	209	10+75.31	51.5	563.40
38.0	251	9+83.14	32.86	563.22
39.0	252	9+88.30	32.93	562.97
40.0	253	9+95.13	33.02	562.58
41.0	254	9+95.18	28.96	562.45
42.0	255	9+95.19	28.42	562.44
43.0	256	10+00.18	29.03	562.38
44.0	257	10+00.13	33.09	562.50
45.0	258	10+03.59	33.14	562.45
46.0	259	10+06.00	33.18	562.28
47.0	260	10+08.24	38.21	562.21
48.0	261	10+05.91	38.17	562.23
49.0	262	10+03.52	38.14	562.40
50.0	263	10+03.45	49.1	562.98
51.0	264	9+98.45	49.03	563.08
52.0	265	9+98.52	38.07	562.48
53.0	266	9+95.06	38.02	562.53
54.0	267	9+88.23	37.93	563.05
55.0	268	9+83.06	37.36	563.41

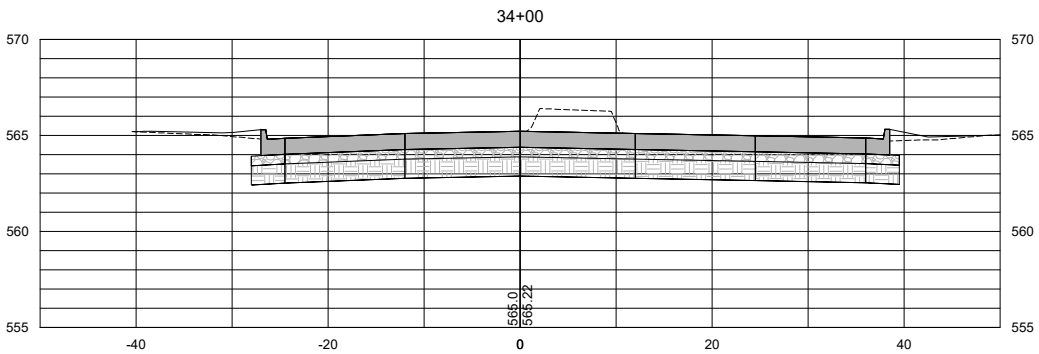
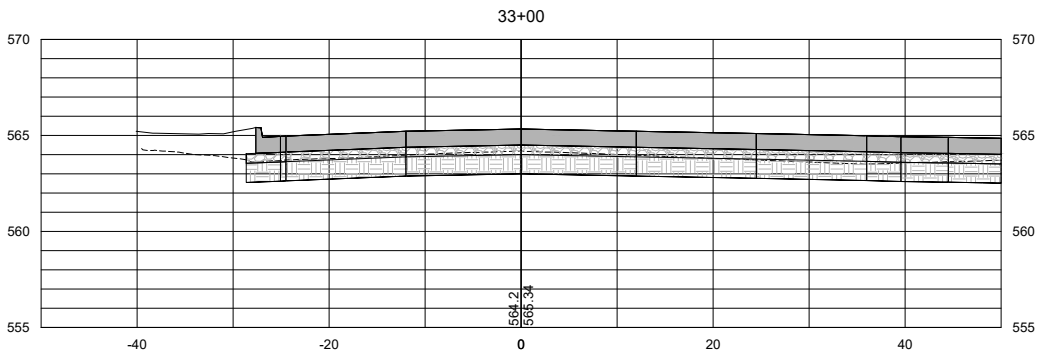
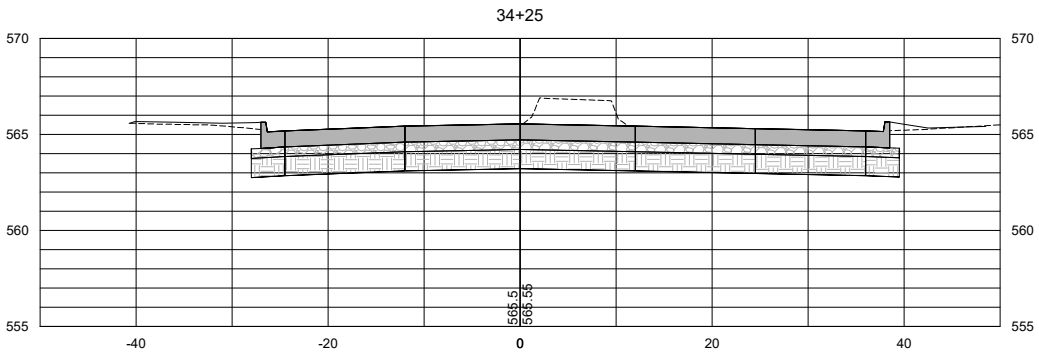
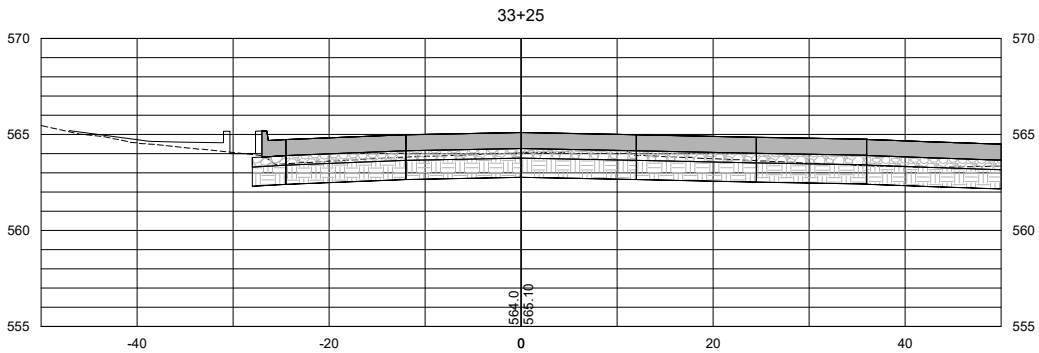
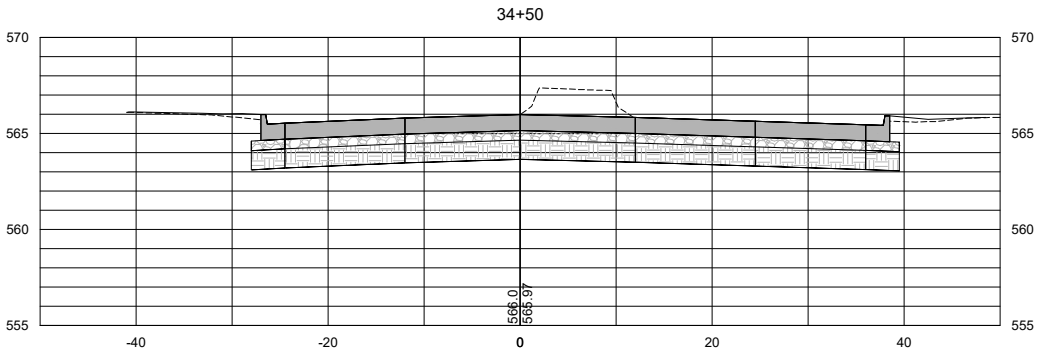
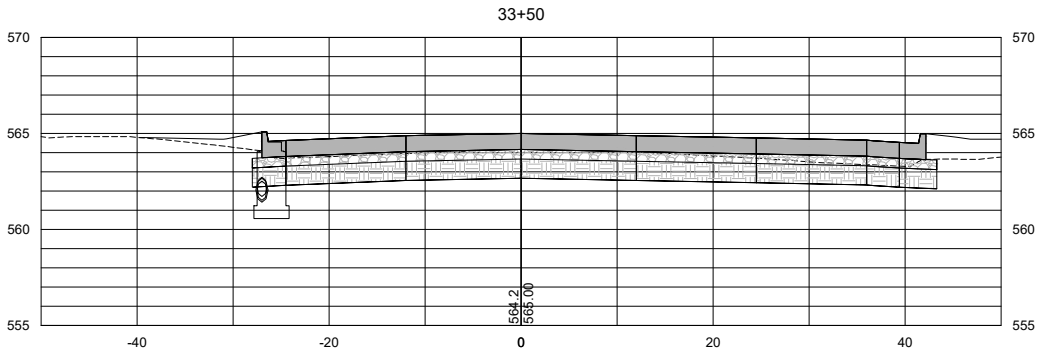
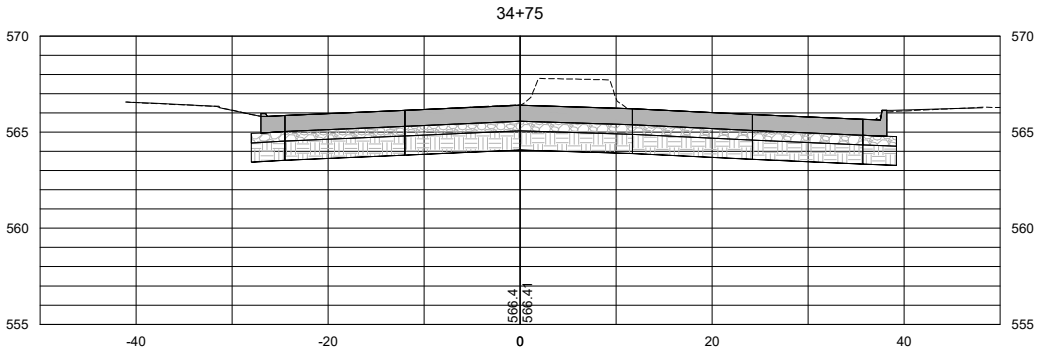
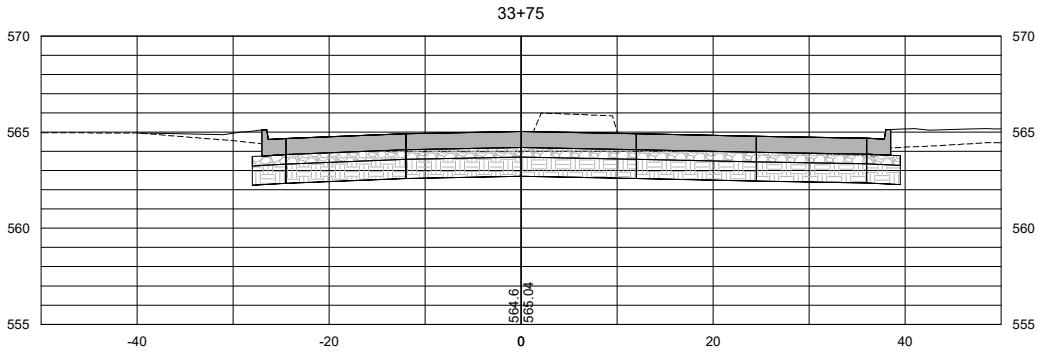
113_10A 6/18/25 SIDEWALK COMPLIANCE VALUES				
FOR INFORMATION ONLY. VALUES USED TO DETERMINE DESIGNED SLOPES. SEE TAB 113-10.				
Line No.	Point	Station	Offset	Elevation
56.0	301	12+73.99	-21	564.34
57.0	302	12+74.00	-25	564.64
58.0	303	12+62.66	-25	564.30
59.0	304	12+62.66	-30	564.25
60.0	305	12+74.00	-30	564.71
61.0	306	12+79.00	-30	564.76
62.0	307	12+92.68	-30	565.22
63.0	308	12+92.68	-25	565.15
64.0	309	12+79.00	-25	564.69
65.0	310	12+79.00	-21	564.46
66.0	311	13+08.76	-39.94	564.89
67.0	312	13+04.65	-39.52	565.02
68.0	313	32+98.09	-38	565.15
69.0	314	33+04.62	-38	565.06
70.0	315	13+06.61	-45.75	564.96
71.0	316	13+10.95	-46.19	564.81
72.0	351	13+98.71	-50.33	564.39
73.0	352	14+03.00	-50.23	564.45
74.0	353	14+03.70	-74.41	565.17
75.0	354	14+09.15	-71.91	565.26
76.0	355	14+08.59	-52.41	564.54
77.0	356	14+14.12	-43.91	564.40
78.0	357	14+31.88	-36.5	564.68
79.0	358	14+31.88	-30.5	564.59
80.0	359	14+09.85	-39.69	564.31
81.0	360	14+07.91	-36	564.24
82.0	361	14+04.33	-39.92	564.29
83.0	362	14+06.40	-43.85	564.37
84.0	363	14+06.19	-44.15	564.37
85.0	364	14+01.42	-44.26	564.33
86.0	401	13+93.86	52.37	565.37
87.0	402	13+97.03	57.46	565.46
88.0	403	13+93.32	59.86	565.51
89.0	404	13+89.36	62.62	565.56
90.0	405	13+85.86	57.74	565.47
91.0	406	13+83.58	54.46	565.41
92.0	407	13+87.68	51.6	565.25
93.0	408	13+89.96	54.89	565.42
94.0	409	13+68.71	33.12	565.51
95.0	410	13+66.51	29.96	565.61
96.0	411	32+46.68	47.98	565.71
97.0	412	32+44.95	46.9	565.73
98.0	413	13+62.08	34.74	565.71
99.0	414	13+57.08	34.74	566.00
100.0	415	13+55.86	34.74	566.01
101.0	416	13+57.09	29.74	565.88
102.0	417	13+62.09	29.74	565.65
103.0	418	13+63.69	25.83	565.56
104.0	419	13+67.81	23.01	565.48
105.0	420	13+73.05	19.42	565.39
106.0	421	13+75.38	15	565.15
107.0	422	13+81.03	15	565.05
108.0	423	13+79.83	17.28	565.08
109.0	424	13+77.47	21.75	565.44
110.0	425	13+76.89	22.85	565.42

113_10A 6/18/25 SIDEWALK COMPLIANCE VALUES				
FOR INFORMATION ONLY. VALUES USED TO DETERMINE DESIGNED SLOPES. SEE TAB 113-10.				
Line No.	Point	Station	Offset	Elevation
111.0	426	13+75.87	23.55	565.44
112.0	427	13+70.64	27.13	565.53
113.0	428	13+72.82	30.26	565.36
114.0	451	12+46.13	62.34	566.54
115.0	452	12+42.39	59.02	566.49
116.0	453	12+38.65	55.69	566.42
117.0	454	12+41.98	51.95	566.35
118.0	455	12+45.72	55.29	566.42
119.0	456	12+48.25	52.44	566.20
120.0	457	12+51.60	56.2	566.45
121.0	458	12+49.45	58.61	566.47
122.0	459	12+65.72	32.72	565.92
123.0	460	12+66.16	32.23	565.92
124.0	461	12+69.26	28.8	565.87
125.0	462	12+73.99	23.54	565.80
126.0	463	12+73.99	21	565.63
127.0	464	12+78.99	21	565.76
128.0	465	12+78.99	23.54	565.88
129.0	466	12+78.99	27.74	565.91
130.0	467	12+85.32	28.39	566.25
131.0	468	12+86.37	28.5	566.27
132.0	469	12+84.81	33.36	566.40
133.0	470	12+78.48	32.71	565.98
134.0	471	12+72.97	32.15	565.95
135.0	472	12+69.87	35.58	566.15

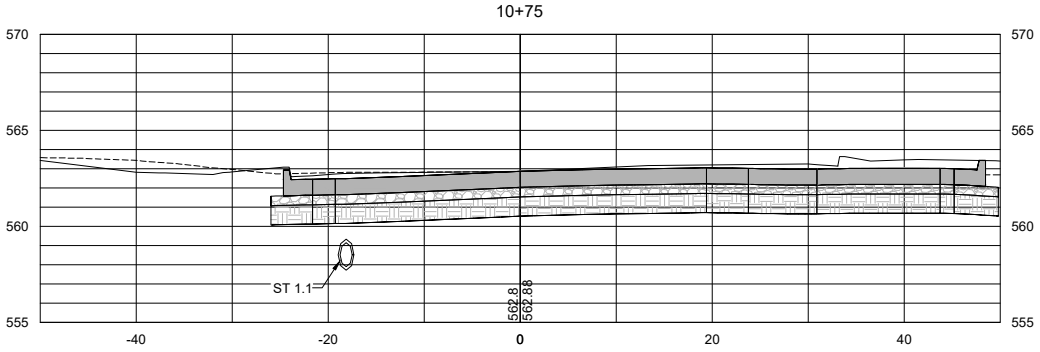
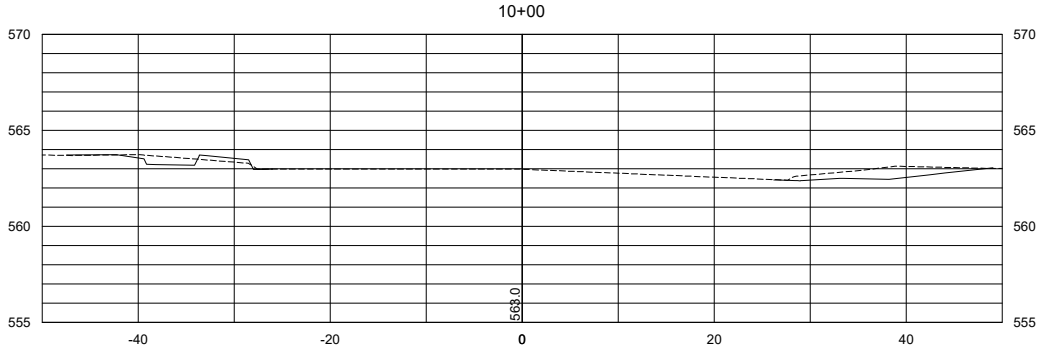
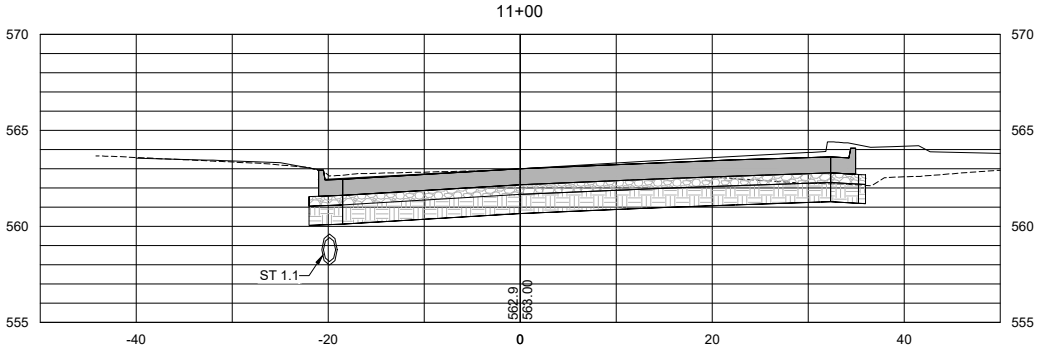
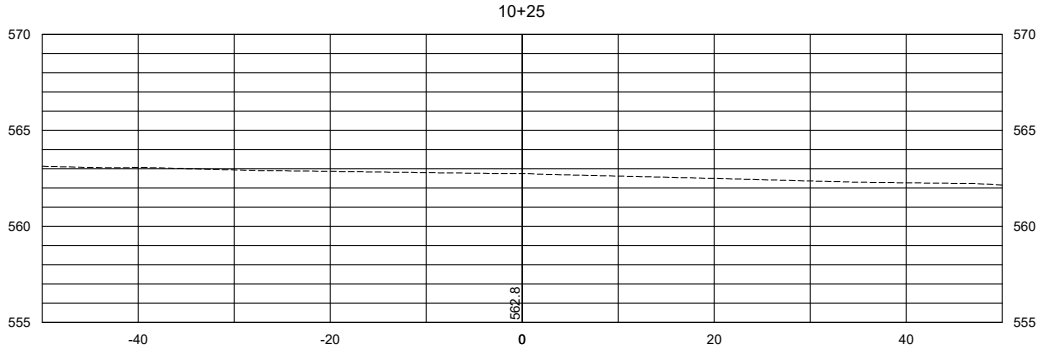
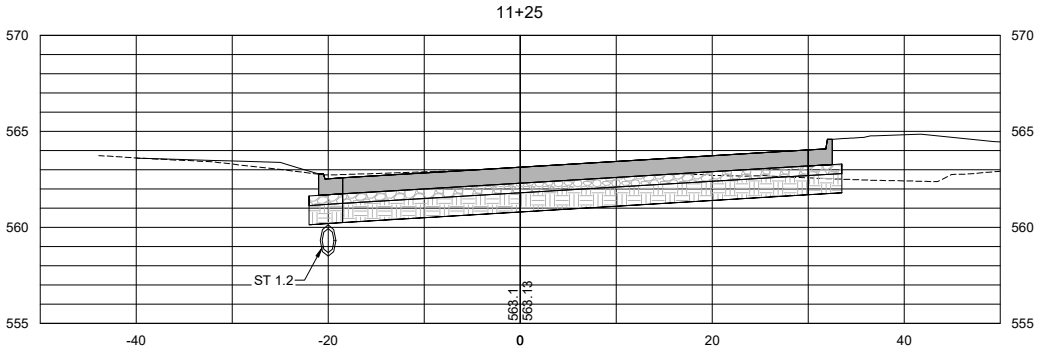
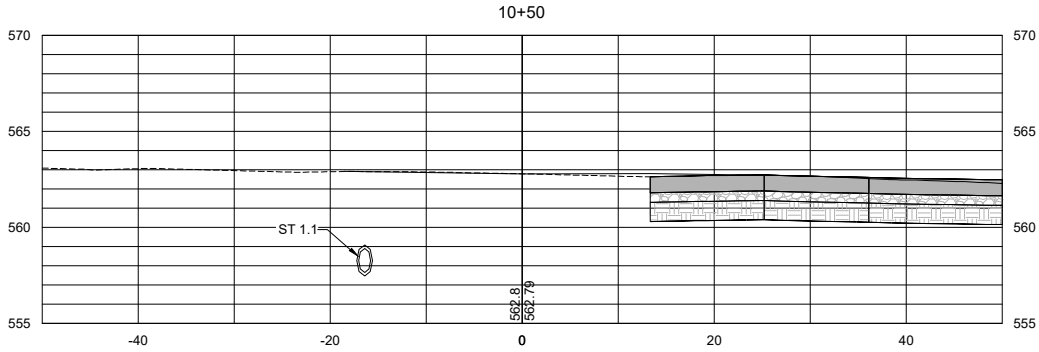
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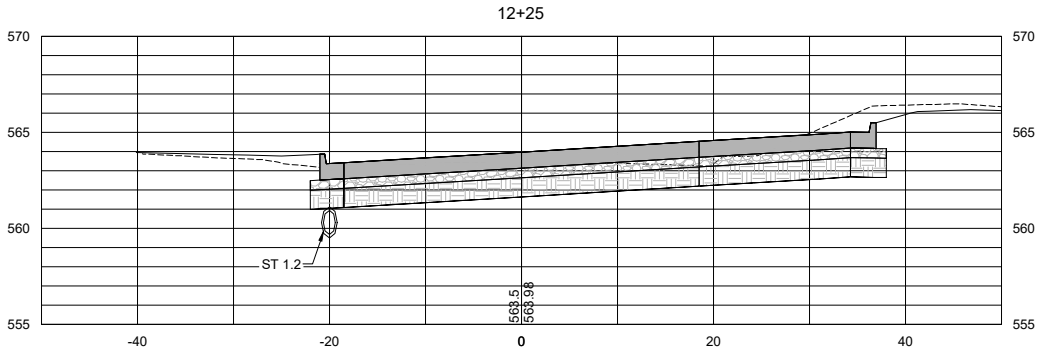
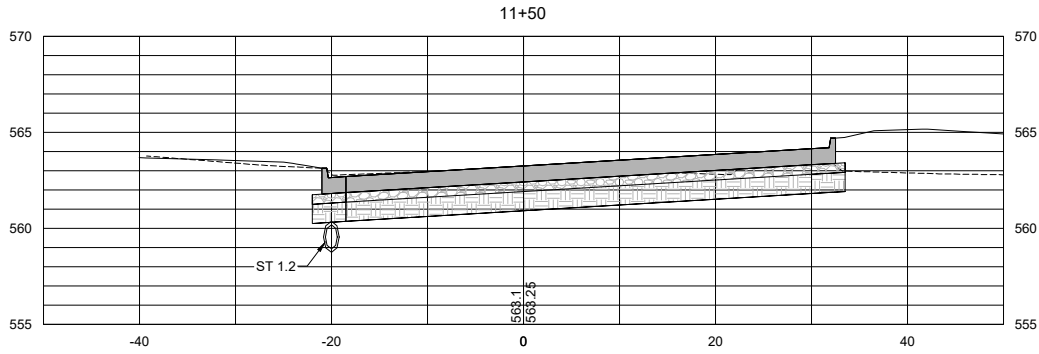
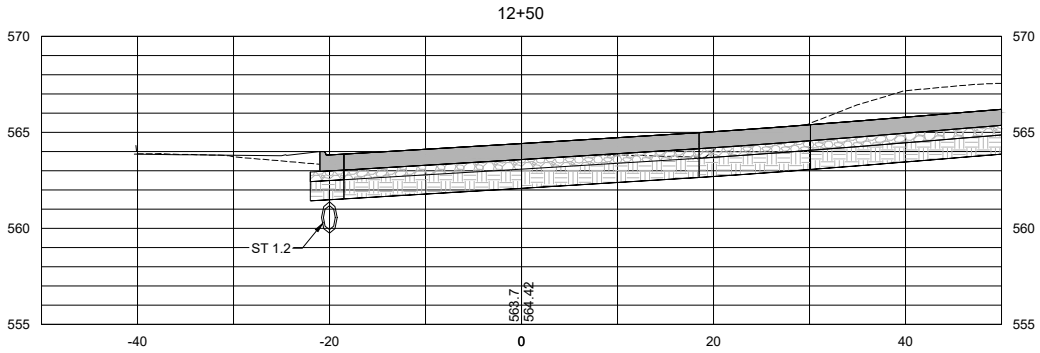
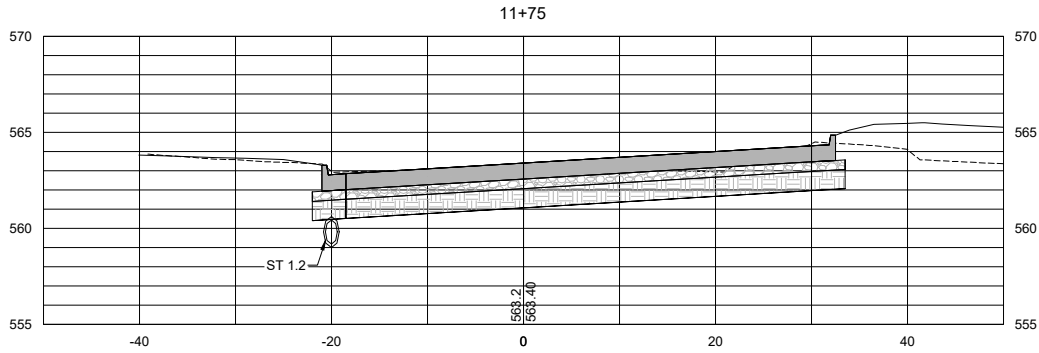
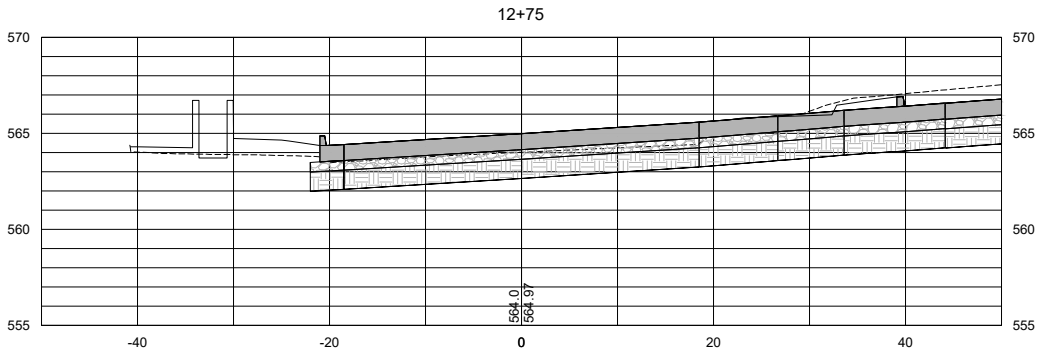
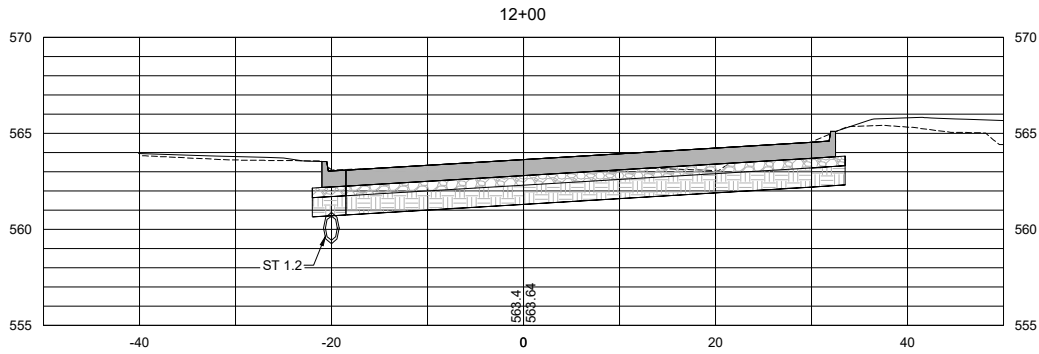
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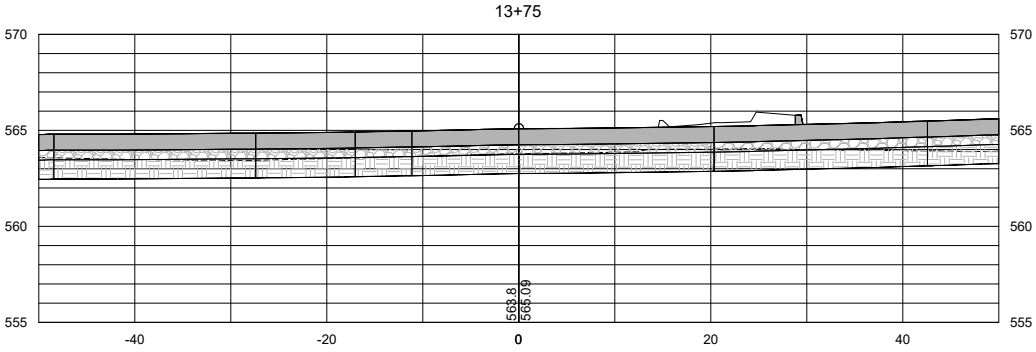
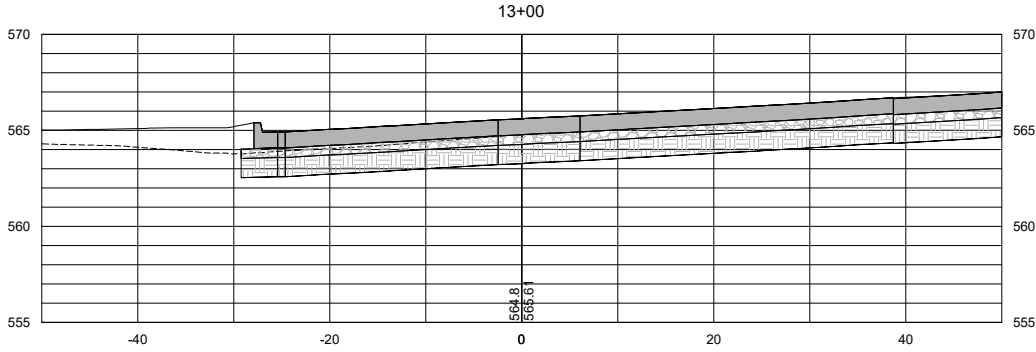
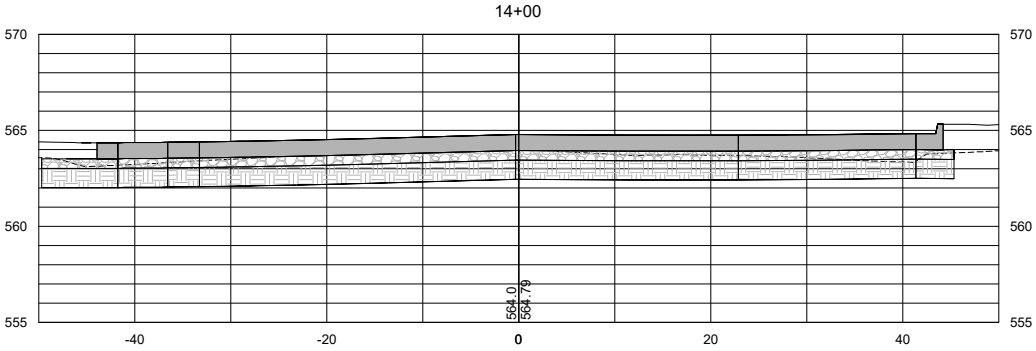
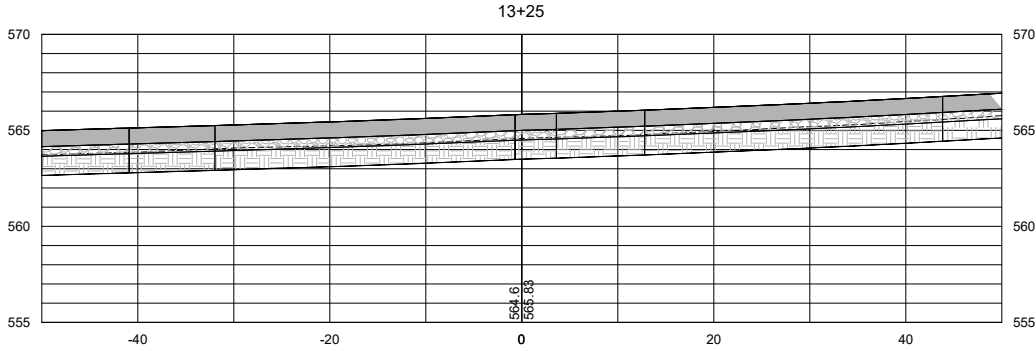
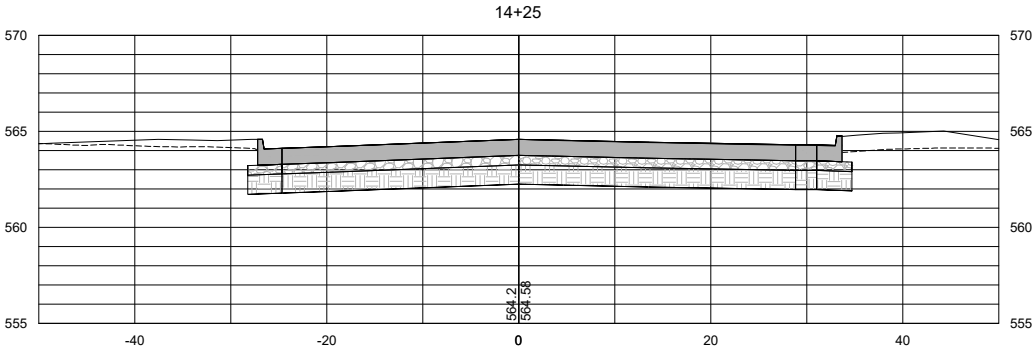
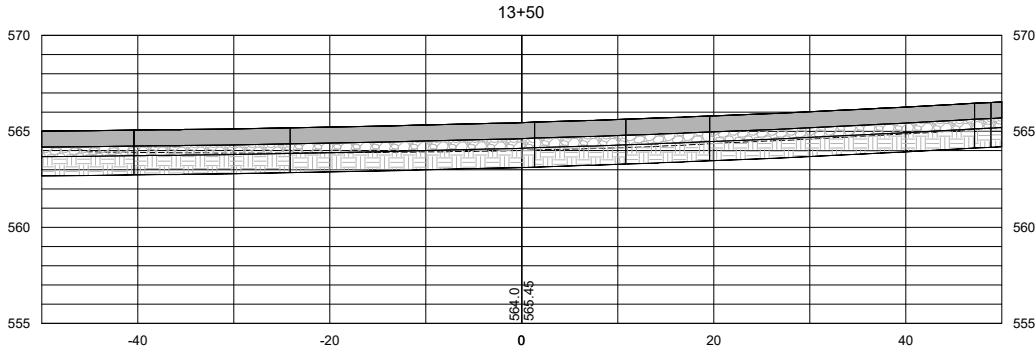
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