


TRANSPORTATION DEVELOPMENT DIVISION

PLANS OF PROPOSED IMPROVEMENTS ON THE

URBAN ROAD SYSTEM
CITY OF GARNER

PCC SIDEWALK OR TRAIL

IN THE CITY OF GARNER, ON TRAIL, FROM STATE STREET, NORTH, ACROSS HIGHWAY 18, THEN EAST 2,450 FEET TO COUNTRY CLUB DRIVE

SCALES: As Noted

Refer to the Proposal Form for list of applicable specifications.

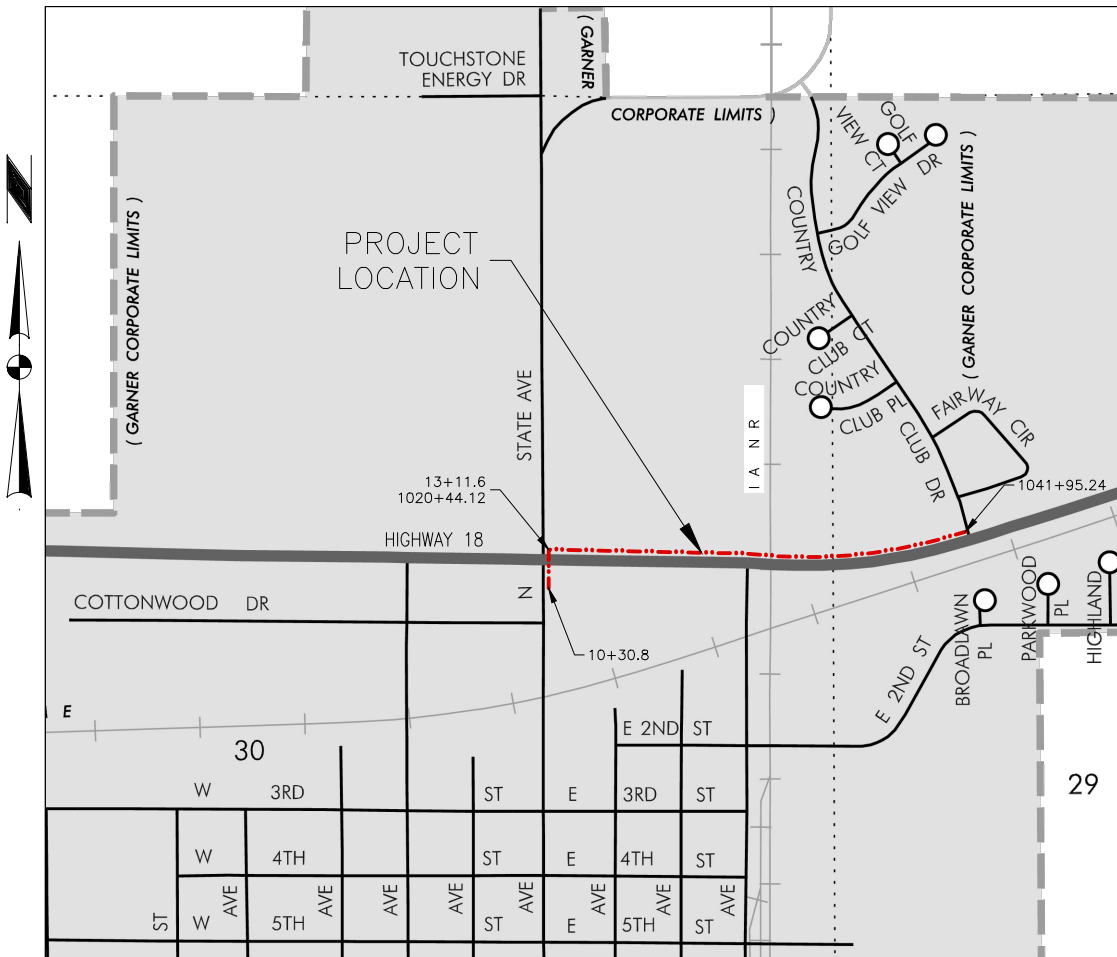
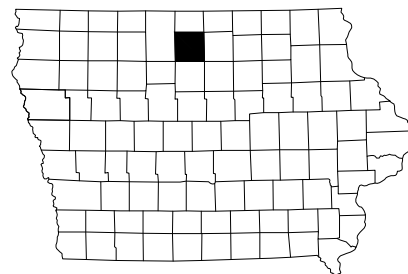
Refer to Drawing A.01 for Standard Road Plans.

Value Engineering Saves. Refer to Article 1105.14 of the Specifications

MILEAGE SUMMARY

105-1
09-27-94

Div.	Location	Lin. Ft.	Miles
1	STATE STREET STATION 10+30.8 - 13+11.6	280.2	0.053
1	HIGHWAY 18 STATION 1020+44.12 - 1041+95.24	2,114.13	0.400
TOTAL LENGTH OF PROJECT		2,394.33	0.453

IOWA NORTHERN RAILROAD
FRA# 599322VFOR NPDES GENERAL PERMIT NO. 2 INFORMATION,
PLEASE REFER TO IDOT PLANS.VICINITY MAP
NOT TO SCALE

REVISIONS

30

TOTAL
SHEETS

PROJECT IDENTIFICATION NUMBER

PROJECT NUMBER

NHSX-018-4(041)-3H-41

R.O.W. PROJECT NUMBER

INDEX OF DRAWINGS

105-3
10-18-05

No.	Description
A.01	Title Sheet
A.02	Legend
B.01	Typical Cross Sections
C.01 - C.04	Quantities and General Information
D.01 - D.05	Plan & Profile Sheets
G.01	Benchmarks and Control Points
R.01 - R.03	Removal Sheets
S.01 - S.03	Sidewalk Detail Sheets
X.01 - X.11	Cross Sections

STANDARDS

The following Standards apply to construction work on this project.

Number	Date	Title
SW-101	04-17-18	Trench Bedding and Backfill Zones
SW-102	04-20-21	Rigid Gravity Pipe Trench Bedding
DR-101	04-18-17	Pipe Culvert (Bedding and Backfill)
DR-102	04-21-15	Pipe Culvert (Cover and Camber)
DR-103	04-21-15	Pipe Culvert (Installation Details)
DR-104	04-19-16	Depth of Cover Tables for Concrete and Corrugated Pipe
DR-201	10-17-23	Concrete Aprons
DR-203	04-21-20	Metal Pipe Aprons and Beveled Ends
EW-105	04-21-15	Reshaping Slopes and Ditches
TC-202	04-18-23	Work Within 15 ft. of Traveled Way
PV-101	04-19-22	Joints
MI-210	04-16-24	PCC Driveways and Alleys
MI-220	10-20-15	Detectable Warnings and Pedestrian Ramp

I HEREBY CERTIFY THAT THIS ENGINEERING DOCUMENT WAS PREPARED BY ME OR UNDER MY DIRECT PERSONAL SUPERVISION AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF IOWA.

SIGNATURE: Drew R. Sweers
NAME: DREW R. SWEERS
DATE: 11/18/2024
MY LICENSE RENEWAL DATE IS DECEMBER 31, 2025
PAGE(S) COVERED BY THIS SEAL: ALL DRAWINGS IN INDEX



CITY OF GARNER APPROVAL

[Signature] 11/19/24
MAYOR DATE

ENGLISH

IOWA DOT

DESIGN TEAM

VEENSTRA & KIMM, INC.

CITY OF GARNER, HANCOCK

COUNTY

PROJECT NUMBER

NHSX-018-4(041)-3H-41

SHEET NUMBER

A.01

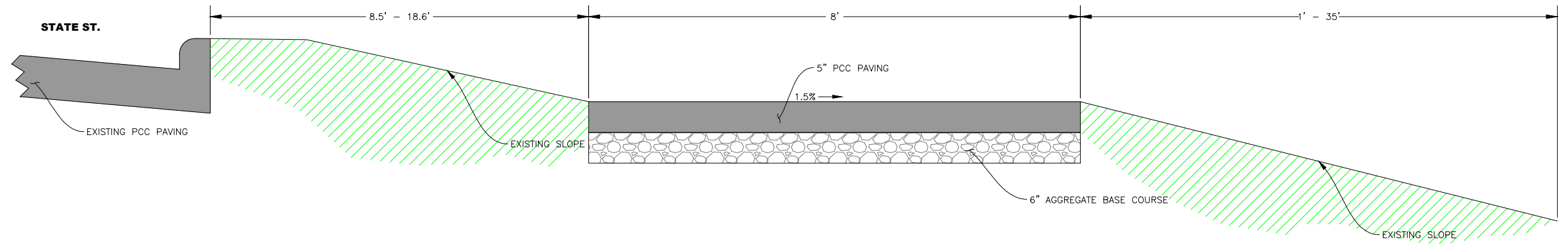
GENERAL LEGEND

	SURVEY LINE & STATION INDICATOR		12" CMP CULVERT, SIZE AND TYPE
	EXISTING CONCRETE SURFACE		FLARED END SECTION
	EXISTING ASPHALT SURFACE		RAILROAD
	EXISTING AGGREGATE SURFACING		MAILBOX
	NEW CONCRETE SURFACE		FENCE (ALL OTHER)
	NEW ASPHALT SURFACE		SILT FENCE
	NEW AGGREGATE SURFACING		PROPERTY LINE
	NEW SEWER/MANHOLE		PROPERTY PIN
	EXISTING SEWER/MANHOLE		SECTION CORNER
	NEW SEWER/INTAKE		PLAT BOUNDARY
	EXISTING SEWER/INTAKE		BUILDING
	NEW WATER MAIN		ELEVATION MARKER
	NEW FORCE MAIN		CENTERLINE
	NEW HYDRANT		DIAMETER
	NEW WATER VALVE		ELEVATION
	EXISTING SANITARY SEWER AND SIZE		POLYVINYLCHLORIDE PIPE
	EXISTING STORM SEWER AND SIZE		CAST IRON PIPE
	EXISTING WATER MAIN AND SIZE		DUCTILE IRON PIPE
	EXISTING FORCE MAIN AND SIZE		CORRUGATED METAL PIPE
	GAS MAIN AND SIZE		VITRIFIED CLAY PIPE
	UNDERGROUND POWER LINE		REINFORCED CONCRETE PIPE
	OVERHEAD POWER LINE		REINFORCED CONCRETE ARCH PIPE
	UNDERGROUND TELEPHONE LINE		LINED REINFORCED CONCRETE PIPE
	FIBER OPTICS		LINED CONCRETE PRESSURE PIPE
	TOP OF EMBANKMENT		STATION
	TOE OF EMBANKMENT		LINE AHEAD
	EXISTING MANHOLE		LINE BACK
	AREA OR BEEHIVE INTAKE		BENCH MARK AND NUMBER
	EXISTING HYDRANT		RIGHT-OF-WAY
	EXISTING WATER VALVE		POINT OF INTERSECTION
	POWER POLE		POINT ON TANGENT
	TELEPHONE POLE		LINEAR FEET
	STREET LIGHT		TACKED HUB
	GUY ANCHOR		SOIL BORING AND NUMBER
	SIGN		POINT OF VERTICAL CURVATURE
	RAILROAD CONTROL LIGHT		POINT OF VERTICAL TANGENCY
	RAILROAD SIGN		VERTICAL CURVE
	UTILITY ACCESS COVER		POINT OF CURVATURE
	TREE AND SIZE		POINT OF TANGENCY
	EVERGREEN AND SIZE		MIDDLE ORDINATE
	STUMP AND SIZE		DRAWING
	BUSH, SHRUB OR HEDGE		CONTROL POINT AND NUMBER
	CURB STOP AND BOX		TYPICAL
	SHAPE TO DRAIN		HIGH PRESSURE GAS
	TRAFFIC SIGNAL		INTERMEDIATE PRESSURE GAS
	TELEPHONE JUNCTION BOX		INVERT
	NEW GROUND CONTOURS		EACH WAY, EACH FACE
	EXISTING GROUND CONTOURS		EACH WAY
	EASEMENT LINE		AT
	EXISTING LIGHT		BID ITEM NUMBER
			BEGINNING OF PROJECT
			END OF PROJECT
			BACK OF CURB
			PORTLAND CEMENT CONCRETE
			HOT MIX ASPHALT
			USE AS CONSTRUCTED
			INCIDENTAL TO CONTRACT

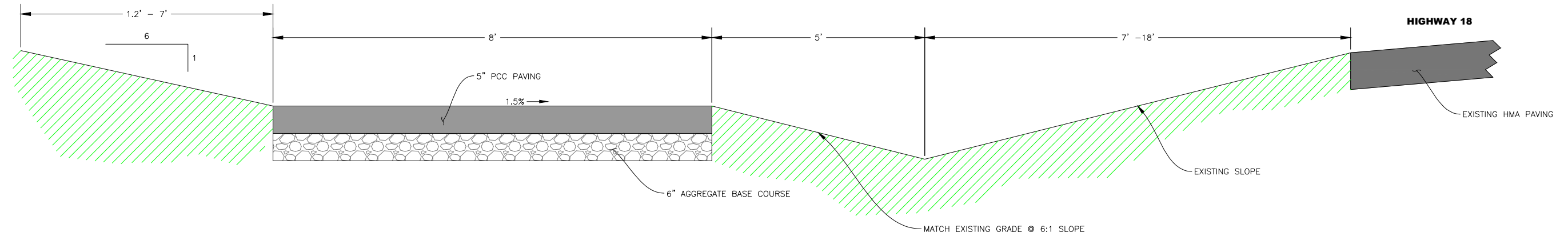
NOTE: THIS IS A GENERAL LEGEND. ITEMS MAY OR MAY NOT APPEAR ON DRAWINGS.

GENERAL NOTES:

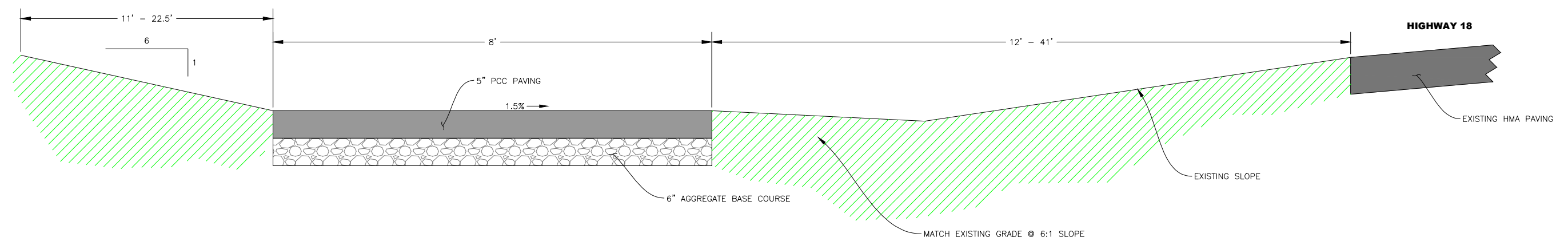
- ALL HORIZONTAL AND VERTICAL FEATURES ARE SHOWN TO GPS QUALITY. ALL FEATURES ARE SHOWN IN THE IOWA STATE PLANE COORDINATE SYSTEM OF 1983 (1401) WITH A VERTICAL DATUM OF NAVD88.
- REMOVE AND REPLACE ALL STREET SIGNS AS DIRECTED BY OWNER. COST IS INCIDENTAL TO CONSTRUCTION.
- CONFIRM LOCATION AND DEPTH OF ALL EXISTING UNDERGROUND UTILITIES AS REQUIRED TO ELIMINATE CONFLICTS PRIOR TO CONSTRUCTION. ALLOW UTILITY PERSONNEL TO RELOCATE UTILITIES WHERE CONFLICTS OCCUR.
- DO NOT INTERRUPT EXISTING UTILITIES OR INDIVIDUAL SERVICES UNLESS DIRECTED BY ENGINEER/OWNER.
- PROTECT UTILITY POLES, LINES, EXISTING RETAINING WALLS AND APPURTENANCES NOT SHOWN FOR RELOCATION.
- PROTECT ALL SURFACING, NOT INDICATED BY SHADING FOR REMOVAL AND REPLACEMENT, FROM DAMAGE DURING CONSTRUCTION.
- SEE IDOT PLANS FOR PPP INFORMATION.
- TOPSOIL/SEEDING – SEED, FERTILIZE, AND MULCH ALL AREAS DISTURBED BY CONSTRUCTION ACTIVITIES, EXCEPT AS INDICATED OTHERWISE.
- HIGHWAY 18 TRAFFIC SHALL BE MAINTAIN FOR THE CONSTRUCTION OF THE TRAIL UTILIZING TC-202.
- ALL DRIVEWAYS SHALL HAVE ACCESS MAINTAINED DURING THE COURSE OF CONSTRUCTION. DRIVEWAYS TO BE PAVED 1/2 WIDTH TO FACILITATE ACCESS.
- EX. SIDEWALK TO BE CLOSED ON STATE STREET FOR THE DURATION OF THE PROJECT. SIDEWALK/TRAIL TO BE OPENED FOLLOWING COMPLETION OF TRAIL CONSTRUCTION.



PCC TRAIL SECTION A-A
STA. 10+30.8 TO STA. 13+11.6



PCC TRAIL SECTION B-B
STA. 1020+44.12 TO STA. 1023+52.91



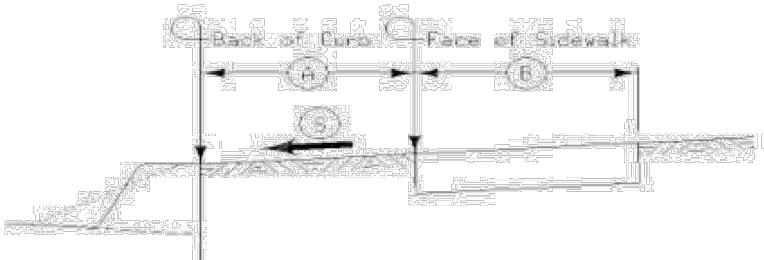
PCC TRAIL SECTION B-B
STA. 1023+91.26 TO STA. 1041+95.24

ESTIMATE REFERENCE						
BID ITEM NO.	ITEM CODE	BID ITEM DESCRIPTION	UNIT	QUANTITIES ESTIMATED		REFERENCE NOTES
				DIV. 1	DIV. 2	
1	2102-2710070	EXCAVATION, CLASS 10, ROADWAY AND BORROW	CY	228		QUANTITIES REFLECT THE STANDARD TEMPLATES GENERATED FROM THE TYPICAL SECTIONS SHOWN ON THE "B" DRAWINGS. NO SEPARATE PAYMENT FOR OVERHAUL SHALL BE ALLOWED. ANY EXCESS MATERIAL SHALL BECOME THE PROPERTY OF THE CONTRACTOR TO BE REMOVED FROM THE PROJECT. CONTRACTOR SHALL HAUL ALL NECESSARY MATERIAL NEEDED TO BRING ALL AREAS OF THE PROJECT TO GRADE. EXCESS MATERIALS SHALL NOT BE PERMITTED TO BE STOCKPILED ON SITE.
2	2115-010000	MODIFIED SUBBASE	CY	280		MEASUREMENT TO BE BASED ON PLAN QUANTITIES AND CHANGES, ADDITIONS AND DELETIONS TO THE MODIFIED SUBBASE QUANTITY WILL BE MEASURED AND COMPUTED AND PLAN QUANTITY WILL BE ADJUSTED ACCORDINGLY. MEASUREMENT TO BE VERIFIED BY INDIVIDUAL WEIGHT TICKETS FURNISHED WITH EACH LOAD OF MATERIAL DELIVERED FOR THE WORK. EACH TICKET SHALL INDICATE THE SOURCE, NET WEIGHT, KIND OF MATERIAL (I.E. BID ITEM NUMBER) AND DISPOSAL LOCATION.
3	2128-0000120	FURNISH AND APPLY GRANULAR SHOULDER MATERIAL	TON	250		THIS ITEM SHALL ONLY BE UTILIZED WHERE AUTHORIZED BY ENGINEER. CONTRACTOR SHALL PROTECT EX. SHOULDER MATERIAL TO THE BEST EXTENT POSSIBLE.
4	2315-8275025	SURFACING, DRIVEWAY, CLASS A CRUSHED STONE	TON	150		MEASUREMENT WILL BE TO THE NEAREST 1/100TH OF A TON. UNIT PRICE INCLUDES MATERIAL AND LABOR FOR FURNISHING, PLACING AND COMPACTING AGGREGATE MATERIALS WHERE DESIGNATED ON THE PLANS AS WELL AS SALVAGING, HAULING, AND STOCKPIILING CLEAN SALVAGED MATERIAL FOR OWNER UPON COMPLETION OR DISPOSING OF UNSALVAGEABLE MATERIAL. MEASUREMENT TO BE MADE BY INDIVIDUAL WEIGHT TICKETS FURNISHED WITH EACH LOAD OF MATERIAL DELIVERED FOR THE WORK. EACH TICKET SHALL INDICATE SOURCES, NET WEIGHT, KIND OF MATERIAL AND LOCATION OF DELIVERY.
5	2417-0225024	APRONS, METAL, 24" DIA.	EA	5		MEASUREMENT BASED ON A COUNT OF STORM SEWER APRONS CONSTRUCTED. UNIT PRICE INCLUDES ALL COSTS TO FURNISH AND INSTALL THE TYPE OF FLARED END SECTION INDICATED.
6	2417-0225030	APRONS, METAL, 30" DIA.	EA	2		
7	2417-1040024	CULVERT, CORRUGATED METAL ENTRANCE PIPE, 24 IN. DIA.	LF	378		MEASUREMENT SHALL BE TO THE NEAREST WHOLE FOOT. UNIT PRICE INCLUDES ALL COSTS FOR FURNISHING AND INSTALLING THE VARIOUS PIPE SIZES AND CLASSES INCLUDING TRENCHING, JOINT WRAPPING, BENDS, JOINT TIES, BACKFILLING AND COMPACTION. INCLUDES EXISTING PIPE REMOVAL. MEASUREMENT WILL BE MADE ALONG CENTERLINE OF PIPE EXCLUDING FLARED END SECTIONS.
8	2417-1040030	CULVERT, CORRUGATED METAL ENTRANCE PIPE, 30 IN. DIA.	LF	70.0		
9	2435-0600010	MANHOLE ADJUSTMENT, MINOR	EA	1		ITEM INCLUDES REMOVAL, SALVAGING, CLEANING AND REINSTALLTION OF EXISTING CASTING UPON ADJUSTMENT OF MANHOLE. ITEM INCLUDES INSTALLATION OF NEW ADJUSTING RINGS AND INTERNAL CHIMNEY SEAL.
10	2503-0200036	REMOVE STORM SEWER PIPE LESS THAN OR EQUAL TO 36 IN.	LF	145		REFER TO TABULATIONS. MEASUREMENT IS FOR LF OF PIPE REMOVED MEASURED ALONG THE CENTERLINE OF PIPE. PAYMENT INCLUDES MATERIALS EQUIPMENT AND LABOR NECESSARY TO REMOVE AND DISPOSE OF PIPE. INCLUDES PLUGGINS OF OPENING AT EXISTING STRUCTURES WHEN REQUIRED. CONTRACTOR SHALL USE SUITABLE JOB EXCAVATED MATERIAL FOR BACKFILLING TRENCHES. NO EXTRA PAYMENT FOR ADDITIONAL BACKFILL MATERIAL. THIS ITEM ONLY APPLIES FOR REMOVAL OF PIPE NOT IN THE SAME TRENCH AS NEW PIPE. CULVERT PIPE IN SAME TRENCH AS NEW PIPE SHALL BE CONSIDERED INCIDENTAL TO CULVERT PIPE.
11	2510-6745850	REMOVAL OF PAVEMENT	SY	2		MEASUREMENT SHALL BE TO THE NEAREST WHOLE SQUARE YARD. UNIT PRICE INCLUDES ALL COSTS TO REMOVE PORTLAND CEMENT CONCRETE OR HOT MIX ASPHALT PAVEMENT, SIDEWALK, DRIVES, CURBS, AND CURBS AND GUTTERS INCLUDING SAWING OR CUTTING OF PAVEMENT AS SPECIFIED AND DISPOSAL OF DEBRIS.
12	2511-0302500	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 5 IN.	SY	1,853.3		MEASUREMENT SHALL BE TO THE NEAREST WHOLE SQUARE YARD. UNIT PRICE INCLUDES ALL COSTS FOR FURNISHING AND PLACING PORTLAND CEMENT CONCRETE PAVEMENT FOR SIDEWALK / TRAIL PAVEMENT. CERTIFIED PLANT INSPECTION REQUIRED. CONCRETE SHALL BE C4-C20.
13	2511-0302600	RECREATIONAL TRAIL, PORTLAND CEMENT CONCRETE, 6 IN.	SY	92.9		
14	2511-0310100	SPECIAL COMPACTION OF SUBGRADE FOR RECREATIONAL TRAIL	STA	22.7		
15	2511-7528101	DETECTABLE WARNINGS	SF	96		UNIT PRICE INCLUDES ALL MATERIALS, LABOR AND EQUIPMENT NECESSARY TO FURNISH AND INSTALL DETECTABLE WARNINGS AS SHOWN IN DRAWINGS. DETECTABLE WARNING PANELS SHALL BE CAST IRON UNDIPPED.
16	2512-1725256	CURB AND GUTTER, P.C. CONCRETE, 2.5 FT.	LF	8		CURB & GUTTER SHALL BE 6" THICK, CERTIFIED PLANT INSPECTION REQUIRED.
17	2515-2475008	DRIVEWAY P.C. CONCRETE, 8 IN.	SY	1,165.2		UNIT PRICE INCLUDES ALL COSTS FOR FURNISHING AND PLACING CONCRETE PAVEMENT FOR DRIVEWAY AND SIDEWALKS WITHIN THE LIMITS OF DRIVEWAYS OR ENTRANCES. CERTIFIED PLANT INSPECTION REQUIRED.
18	2524-6765010	REMOVE AND REINSTALL SIGN AS PER PLAN	EA	1		REMOVE, SALVAGE AND REINSTALL SIGN AT NEW LOCATION PER PLAN DRAWINGS.
19	2526-8285000	CONSTRUCTION SURVEY	LS	1		LUMP SUM PRICE INCLUDES ALL DETAILED SURVEY AND STAKING TO COMPLETE THE PROJECT, INCLUDING BUT NOT LIMITED TO THE STAKING AND RE-STAKING OF UTILITIES, EARTHWORK, PAVING AND MONUMENT PRESERVATION INCLUDING MATERIALS AND EQUIPMENT. INCLUDES AS CONSTRUCTED SURVEY OF SIDEWALK FOR ADA COMPLIANCE AND ACCEPTANCE.

ESTIMATE REFERENCE						
BID ITEM NO.	ITEM CODE	BID ITEM DESCRIPTION	UNIT	QUANTITIES ESTIMATED		REFERENCE NOTES
				DIV. 1	DIV. 2	
20	2527-9263209	PAINTED PAVEMENT MARKINGS, WATERBORNE OR SOLVENT-BASED	STA	3.2		
21	2526-8285000	TRAFFIC CONTROL	LS	1		BID ITEM INCLUDES INSTALLATION, MAINTENANCE, AND REMOVAL OF ALL TEMPORARY TRAFFIC CONTROL MEASURES AS SHOWN IN THE CONTRACT DOCUMENTS OR NEEDED TO FACILITATE THE CONSTRUCTION AND PHASING OF THE PROJECT. BID ITEM ALSO INCLUDES THE REMOVAL OR COVERING OF ALL NECESSARY PERMANENT TRAFFIC CONTROL MEASURES FOR THE DURATION OF THE TEMPORARY TRAFFIC CONTROL MEASURES. BID ITEM INCLUDES THE UN-COVERING OR REINSTALLATION OF PERMANENT TRAFFIC CONTROL MEASURES FOLLOWING THE COMPLETION OF THE TEMPORARY TRAFFIC CONTROL.
22	2533-4980005	MOBILIZATION	LS	1		BID ITEM INCLUDES THE MOVEMENT OF PERSONNEL, EQUIPMENT, AND SUPPLIES TO THE PROJECT SITE, THE ESTABLISHMENT OF OFFICES, BUILDINGS, AND OTHER FACILITIES NECESSARY FOR THE PROJECT, BONDING, PERMITS, AND OTHER EXPENSES THAT MAY BE INCURRED PRIOR TO CONSTRUCTION. WHEN 5% OF THE ORIGINAL CONTRACT AMOUNT HAS BEEN COMPLETED, 25% OF THE CONTRACT UNIT PRICE FOR MOBILIZATION SHALL BE PAID. WHEN 10% OF THE ORIGINAL CONTRACT AMOUNT HAS BEEN COMPLETED, 50% OF THE CONTRACT UNIT PRICE FOR MOBILIZATION SHALL BE PAID. WHEN 50% OF THE ORIGINAL CONTRACT AMOUNT HAS BEEN COMPLETED, 100% OF THE CONTRACT UNIT PRICE FOR MOBILIZATION SHALL BE PAID.
23	2595-0005140	RAILROAD PROTECTIVE LIABILITY INSURANCE FOR IOWA NORTHERN RAILWAY CO.	LS		1	LUMP SUM PRICE INCLUDES ALL ADDITIONAL REQUIREMENTS FOR WORKING WITHIN THE RAILROAD RIGHT-OF-WAY INCLUDING ADDITIONAL INSURANCE REQUIREMENTS AND ADDITIONAL SAFETY REQUIREMENTS THAT WILL BE REQUIRED WHEN WORKING WITHIN THE RAILROAD RIGHT-OF-WAY.
24	2601-2634105	MULCHING, BONDED FIBER MATRIX	ACRE	0.9		UNIT PRICE INCLUDES PREPARATION OF TOPSOIL FOR MULCH ON ALL DISTURBED TURF AREAS AND AREAS DESIGNATED ON PLANS.
25	2601-2636044	SEEDING AND FERTILIZING (URBAN)	ACRE	0.9		SEED MIXTURE SHALL BE URBAN
26	2602-0000909	PERIMETER AND SLOPE SEDIMENT CONTROL DEVICE, 9 IN. DIA.	LF	2,160		MEASUREMENT SHALL BE TO THE NEAREST WHOLE FOOT. UNIT PRICE INCLUDES ALL EQUIPMENT, LABOR AND MATERIALS NECESSARY TO ERECT, MAINTAIN AND REMOVE PERIMETER SEDIMENT AND CONTROL DEVICE WHERE REQUIRED TO LIMIT EROSION AND DEPOSITION OF MATERIALS OUTSIDE OF CONSTRUCTION LIMITS; OWNER WILL ONLY PAY FOR INITIAL INSTALLATION AND WILL NOT PAY FOR REPLACEMENT DEVICE WHEN INSTALLATION IS FULL OF TRAPPED SEDIMENT; ALL REPLACEMENT DEVICES ARE INCIDENTAL TO CONSTRUCTION.
27	2602-0000530	GRATE INTAKE SEDIMENT FILTER BAG	EA	2		MEASUREMENT SHALL BE ON AN EACH BASIS AND INCLUDE INSTALLATION OF THE NECESSARY TYPE OF INTAKE PROTECTION DEVICE
28	2602-0000540	MAINTENANCE OF GRATE INTAKE SEDIMENT FILTER BAG	EA	2		MEASUREMENT SHALL BE ON AN EACH BASIS AND INCLUDE MAINTENANCE OF THE NECESSARY TYPE OF INTAKE PROTECTION DEVICE FOR THE DURATION OF THE CONTRACT.
29	2602-0000550	REMOVAL OF GRATE INTAKE SEDIMENT FILTER BAG	EA	2		MEASUREMENT SHALL BE ON AN EACH BASIS AND INCLUDE REMOVAL OF THE NECESSARY TYPE OF INTAKE PROTECTION DEVICE FOLLOWING TURF ESTABLISHMENT.
30	2602-0010010	MOBILIZATIONS, EROSION CONTROL	EA	4		MOBILIZATIONS FOR EROSION CONTORL.
31	2602-0010020	MOBILIZATION, EMERGENCY EROSION CONTROL	EA	4		MOBILIZATION FOR EMERGENCY EROSION CONTROL ONLY. NO ADDITIONAL PAYMENT FOR EROSION CONTROL REPAIRS REQUIRED BY CONTRACTOR NEGLIGENCE OR DUE TO PROJECT STAGING.

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	B.O.P.					5	89.0	8.0	79.1	79.1					
2.0	HWY 18 & STATE ST	SE				5	132.0	8.0	117.3	117.3					
3.0	HWY 18 & STATE ST	SE				6	22.0	8.0	19.6		20.8			16.0	
4.0	HWY 18 & STATE ST	NE				6	18.3	8.0	16.3		17.3			16.0	
5.0	HWY 18	N				5	300.5	8.0	267.1	267.1					
6.0	HWY 18	N				5	448.1	8.0	398.3	398.3					
7.0	HWY 18	N				5	239.4	8.0	212.8	212.8					
8.0	HWY 18 & RR	NW				6	15.0	8.0	13.3		13.3			16.0	
9.0	HWY 18 & RR	NE				6	15.0	8.0	13.3		13.3			16.0	
10.0	HWY 18	N				5	200.9	8.0	178.6	178.6					
11.0	HWY 18	N				5	410.6	8.0	365.0	365.0					
12.0	HWY 18	N				5	270.1	8.0	240.1	240.1					
13.0	HWY 18 & COUNTRY CLUB DR	NW				6	15.0	8.0	13.3		14.1			16.0	
14.0	HWY 18 & COUNTRY CLUB DR	NE				6	15.0	8.0	13.3		14.1			16.0	

113.01
3/29/24

110_01 4/5/24							
REMOVAL OF PAVEMENT Refer to Tabulation 102-5.							
* Not a bid item.							
Line No.	Station From	Station To	Side	Pavement Type	Area (SY)	Saw Cut* (LF)	Remarks
1.0	1031+51.48	1031+51.48	Left	6" PCC CURB	2.2	13.0	CURB & GUTTER REMOVAL TO FACILITATE ADA RAMP CONST & GUTTER

190_61 2/10/23										
EXISTING SIGNS TO BE REINSTALLED										
Line No.	Sign Description	Direction of Travel	Location Station	Number of Posts	Square Tube Steel Posts	Wood Posts 4"x4" (L F)	Wood Posts 4"x6" (L F)	Installation Type	Installation Dim 'X'	See Signing Notes
1.0	JASPERSON REAL ESTATE		1031+97.65	2	2					SALVAGED SIGN

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	1023+36.89, 44.87 L / 24" FES	Storm Sewer - Removal					
2.0	102822.25	Storm Sewer - Removal	59.0				

190_62 2/13/23											
EXISTING SIGNS TO BE REMOVED											
Line No.	Sign Number or Description	Location Station	Direction of Travel	Type 'A' Sign Assembly (RA) (EA)	Type 'B' Sign Assembly (RB) (EA)	Type 'A' Remove and Reinstall (RR) (EA)	Type 'B' Remove and Reinstall (RR) (EA)	Concrete Foundation (RF) (EA)	Support Structure & Foundation (RS) (EA)	Applicable Signing Notes	Remarks
1.0	1	1031+97.61				1		1		SIGN TO BE SALVAGED & REINSTALLEED AT NEW LOCATION	

101_16 10/25/24																				
ALIGNMENT COORDINATES																				
Line No.	Name	Location	Point on Tangent Station	Point on Tangent Y Northing	Point on Tangent X Easting	Begin Spiral Station	Begin Spiral Y Northing	Begin Spiral X Easting	Begin Curve Station	Begin Curve Y Northing	Begin Curve X Easting	Simple Curve PI or Master PI Station	Simple Curve PI or Master PI Y Northing	Simple Curve PI or Master PI X Easting	End Curve Station	End Curve Y Northing	End Curve X Easting	End Spiral Station	End Spiral Y Northing	End Spiral X Easting
1.0	L1	HWY 18	1015+97.31	3866059.11	4893573.01															
2.0	L1	HWY 18	1031+96.32	386031.80	4895171.78															
3.0	L2	HWY 18	1031+96.32	3866031.80	4895171.78															
4.0	L2	HWY 18	1032+60.44	3866030.63	4895235.90															
5.0	C1	HWY 18							1032+60.44	3866030.63	48958235.90				1042+11.34	3866170.98	4896171.98			
6.0	L3	HWY 18	1042+11.34	3866170.98	4896171.98															
7.0	L3	HWY 118	1042+23.59	3866174.83	4896183.61															
8.0	L4	HWY 18	1042+23.59	3866174.83	4896183.61															
9.0	L4	HWY 18	1047+73.59	3866347.37	4896705.85															
11.0	L1	STATE ST	9+76.17	3865678.03	4893979.26															
12.0	L1	STATE ST	13+50.34	3866052.20	4893977.59															

102.03
10/15/24

ACCESS POINTS AND SAFETY RAMPS
Refer to Cross-Sections

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

Line No.	Station	Side	Access Type	Descriptor	Case	Curb Type	Curb Length (1) (LF)	Width (FT)	PR (1) (2) (FT)	SR (2) (FT)	Pipe Culvert (H) (3) (FT)	Pipe Culvert Size (3) (IN)	Culvert Length (3) (LF)	Pipe Culvert Lt. (3) (LF)	Pipe Culvert Rt. (3) (LF)	Culvert Aprons (3) (No.)	Driveway Surface Type	Driveway Surface Area (SY)	Driveway Surfacing Material (TON)	Remarks
1.0	1028+57.56	Left	B		1		125.0	45.0	35.0		70.0	24.0				2	PCC	458.1		INCLUDES PCC PAVEMENT ABUTTING TRAIL
2.0	1033+93.23	Left	B		1		137.0	50.0	35.0		70.0	30.0				2	PCC	470.4		INCLUDES PCC PAVEMENT ABUTTING TRAIL
3.0	1038+51.56	Left	B		1		107.0	26.0	35.0								PCC	236.7		THRU PARKING
4.0	1020+39.74	Left									298.0	24.0				1				CONNECT TO EX. CULVERT UNDER
5.0	1024+12.64	Left									10.0	24.0				1				CONNECT TO EX. CULVERT AT KWIK STAR
6.0	104+14.53	Left										24.0				1				CONNECT TO EX. CULVERT UNDER COUNTRY CLUB DR

104.10
4/16/24

ADJUSTMENT OF FIXTURES

Line No.	Item No.	Location Station	Side	Distance	Type of Fixture	Adjustment
1.0	1	1023+29.43	Left	40.8' LT	SANITARY SEWER MANHOLE	MINOR - ADD ADJ. RINGS

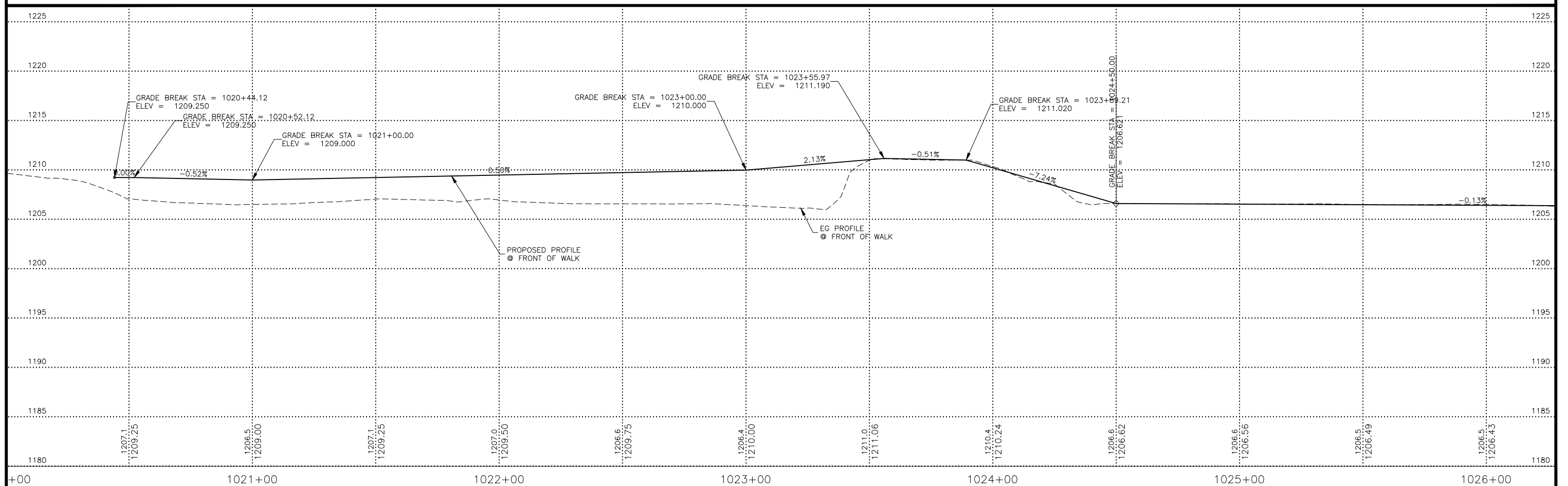
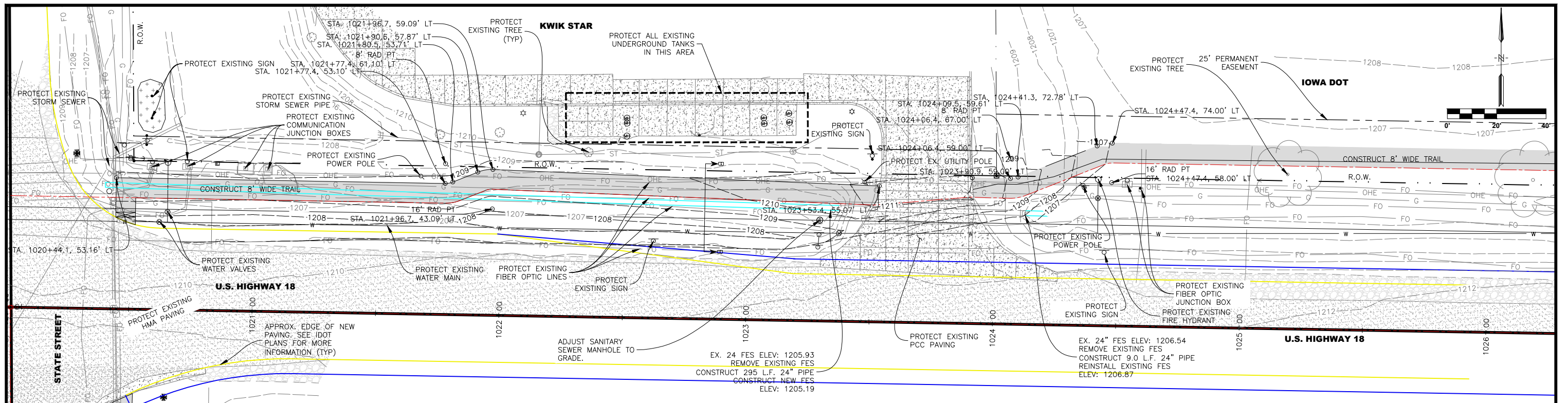
108.22
10/15/24

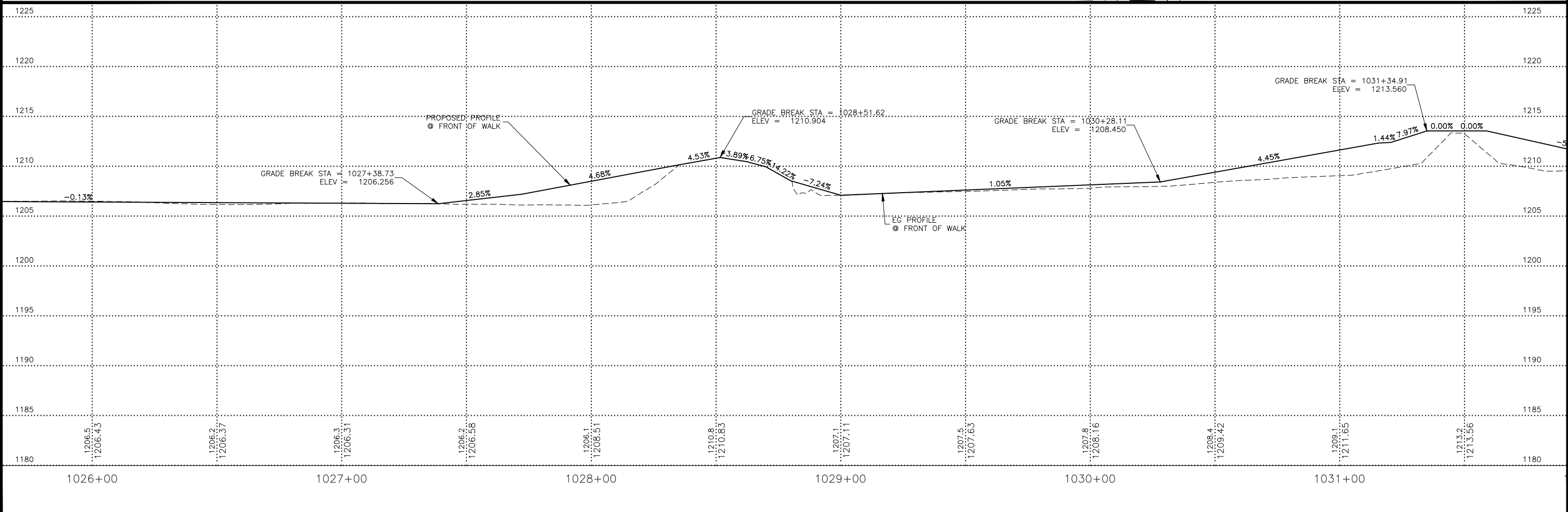
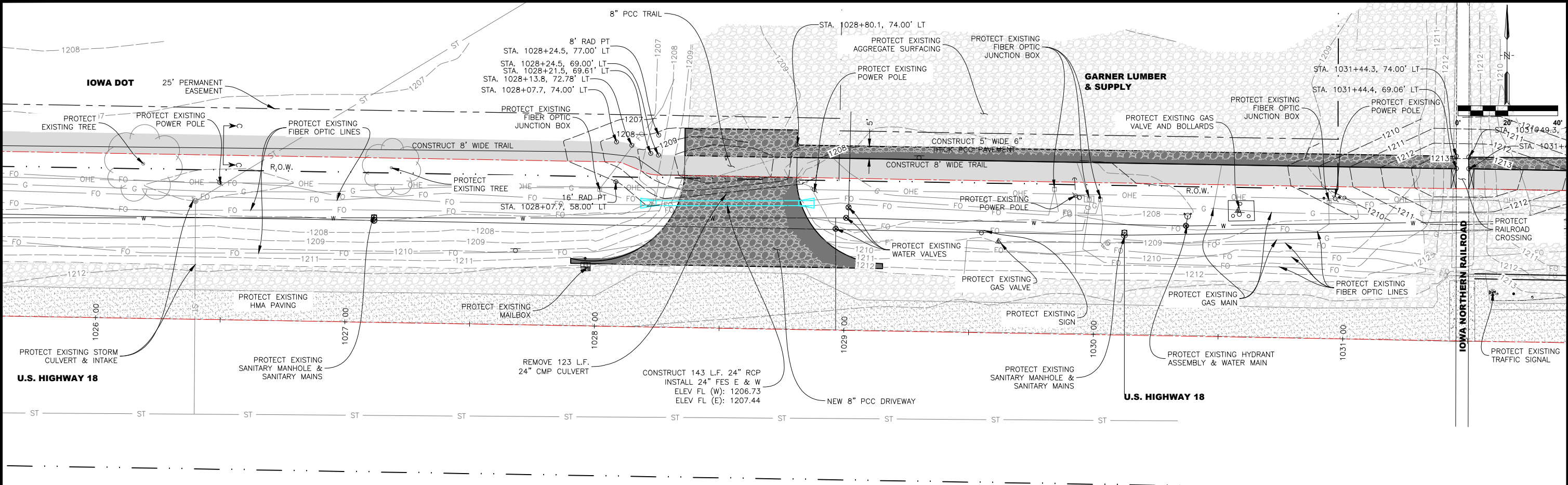
PAVEMENT MARKING LINE TYPES

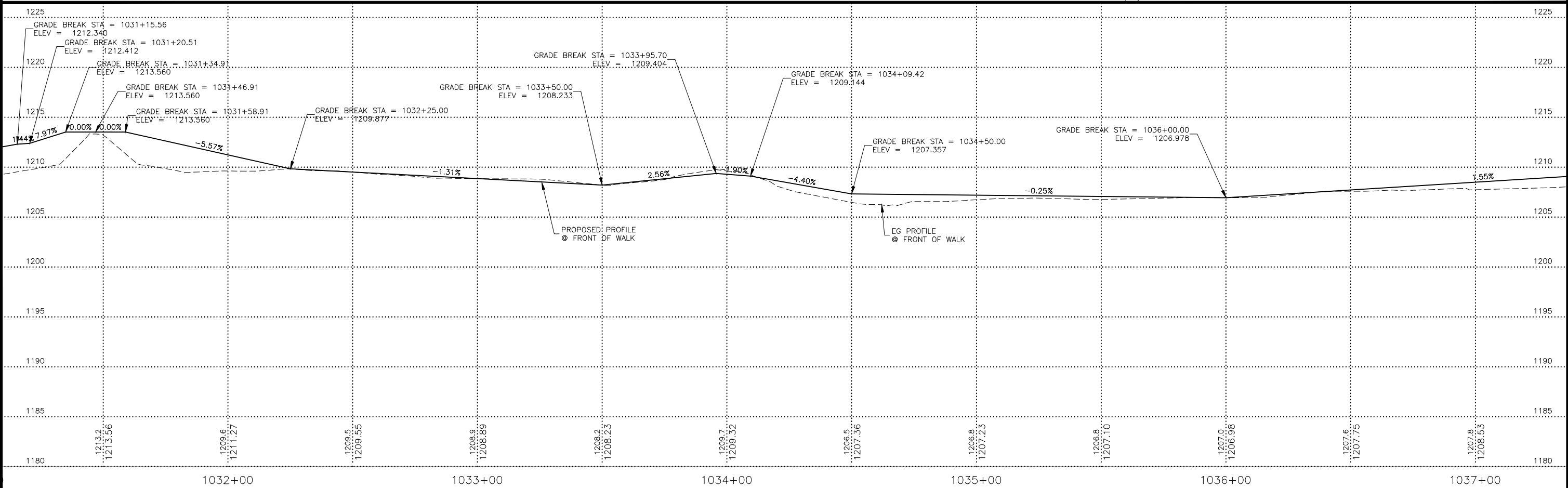
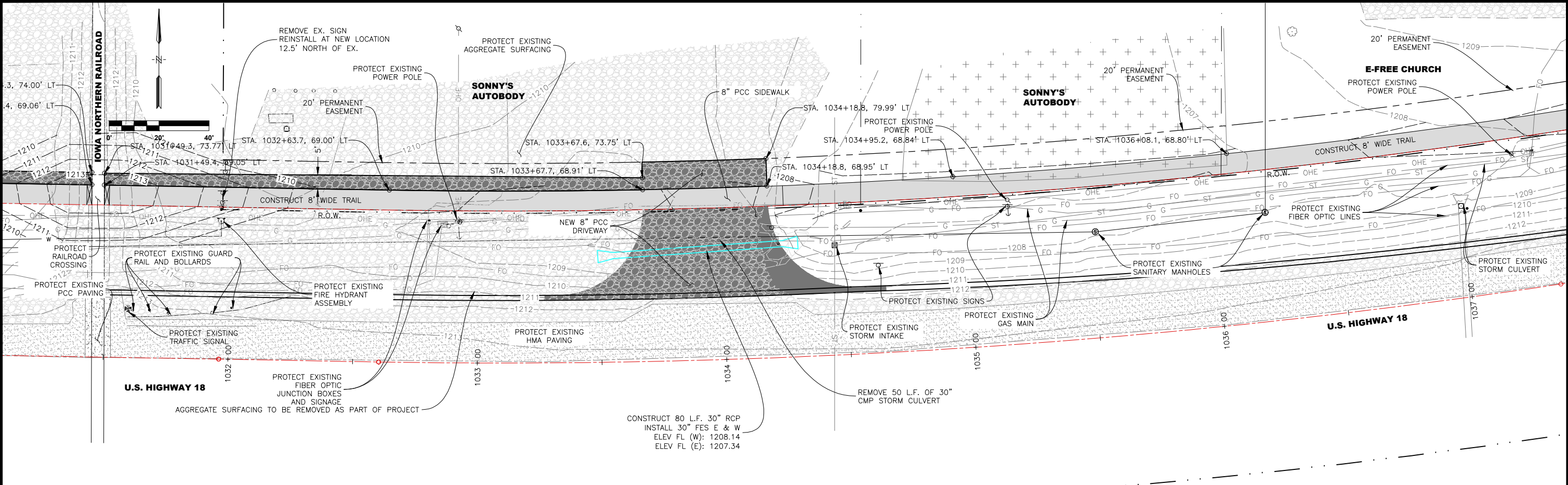
Line factors based on 6-inch wide continuous line.
*BCY4 - Place on the same side of the roadway to match existing markings near the project.
**NPY4 - Estimating purposes only. No Passing Zone Lines will be located in the field.
***MNV6 - Factor of 1.00 includes number of 6-inch passes to cover median nose area.
BCY4: Broken Centerline (Yellow) @ 0.17 BCY6: Broken Centerline (Yellow) @ 0.25 BLC6: Broken Line Contrast (White/Black) @ 0.50 BLW4: Broken Lane Line (White) @ 0.17 BLW6: Broken Lane Line (White) @ 0.25
CBW6: Crosswalk Bar (White) @ 10.00 CHW8: Channelizing Line (White) @ 1.33 CHW10: Channelizing Line (White) @ 1.67 CHY8: Channelizing Line (Yellow) @ 1.33 CHY10: Channelizing Line (Yellow) @ 1.67
CLW6: Crosswalk Line (White) @ 2.00 DCY4: Double Centerline (Yellow) @ 1.34 DCY6: Double Centerline (Yellow) @ 2.00 DDY4: Double Dotted Line (Yellow) @ 0.44 DDY6: Double Dotted Line (Yellow) @ 0.67
DLW4: Dotted Line (White) @ 0.22 DLW6: Dotted Line (White) @ 0.33 DLY4: Dotted Line (Yellow) @ 0.22 DLY6: Dotted Line (Yellow) @ 0.33 ELW4: Edge Line Right (White) @ 0.67
ELW6: Edge Line Right (White) @ 1.00 ELY4: Edge Line Left (Yellow) @ 0.67 ELY6: Edge Line Left (Yellow) @ 1.00 LDW8: Lane Drop (White) @ 0.33 LDW10: Lane Drop (White) @ 0.42
MNV6: 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

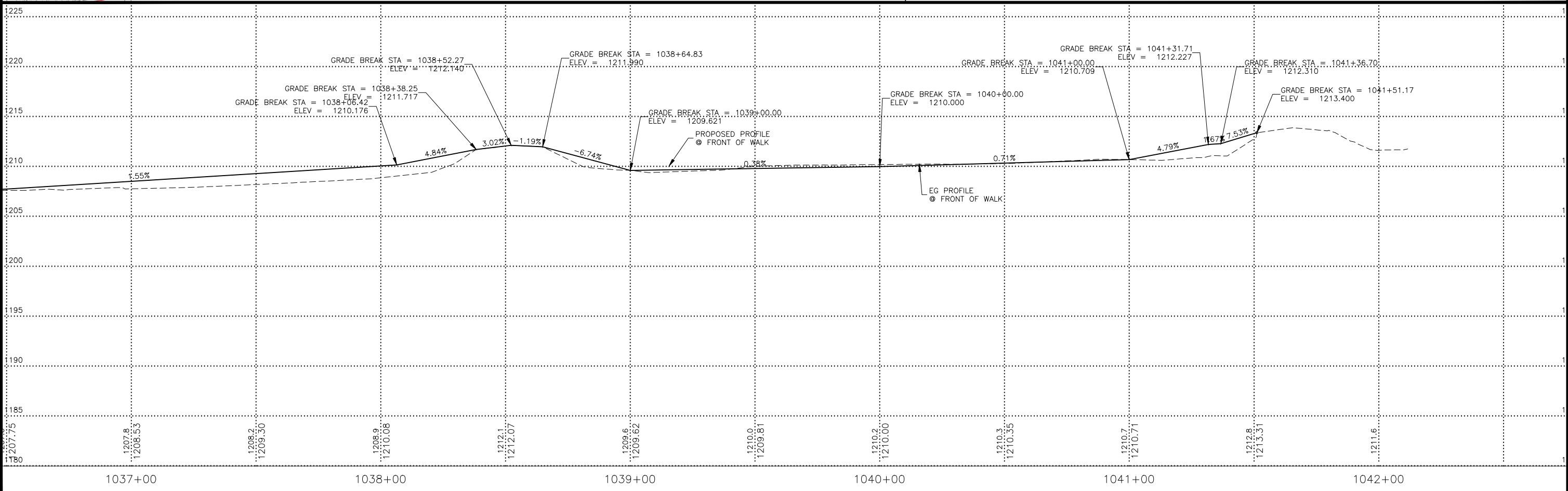
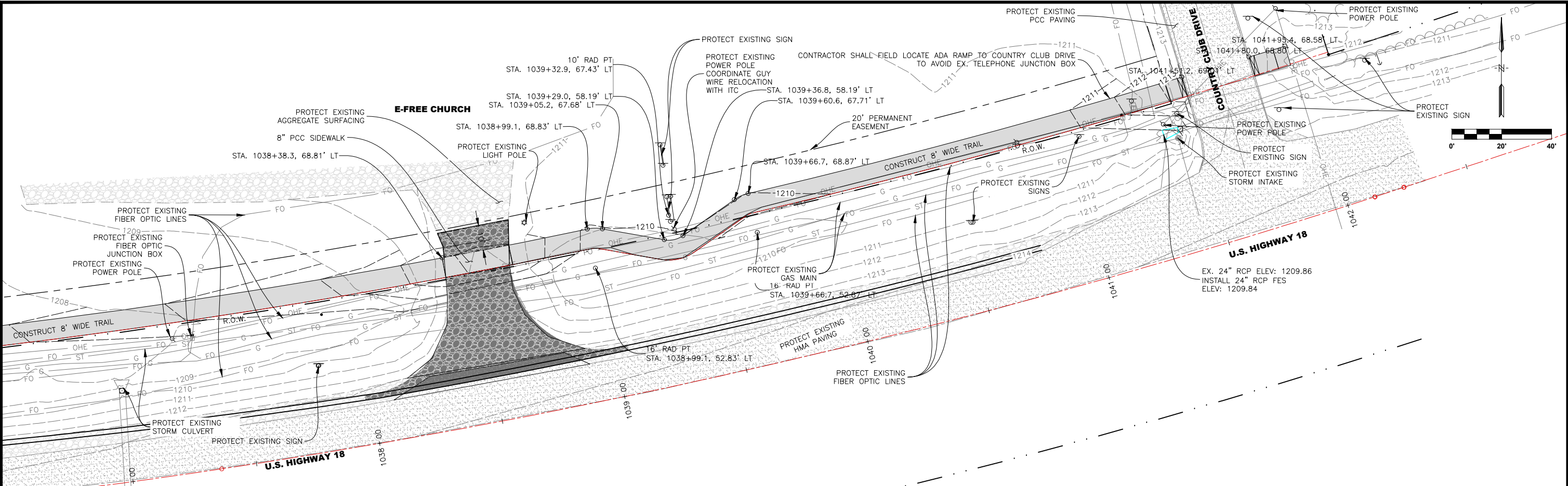
Line No.	Road ID	Station From	Station To	Lane	Marking Type	Left	Center	Right	Groove Marking Needed?	Groove Qty. (STA)	ELW4 FACTORED (STA)	BLW4 Factored (STA)	DCY4 Factored (STA)	ELY4 Factored (STA)	Remarks
1.0	N/A	1028+80.06	1031+42.39	Left	Waterborne/Solvent Paint	X			No		2.62				WHITE SOLID LINE N EDGE OF TRAIL
2.0	N/A	1031+51.48	1033+67.70	Left	Waterborne/Solvent Paint	X			No		2.16				WHITE SOLID LINE N EDGE OF TRAIL

FACTORED = 3.20 STA

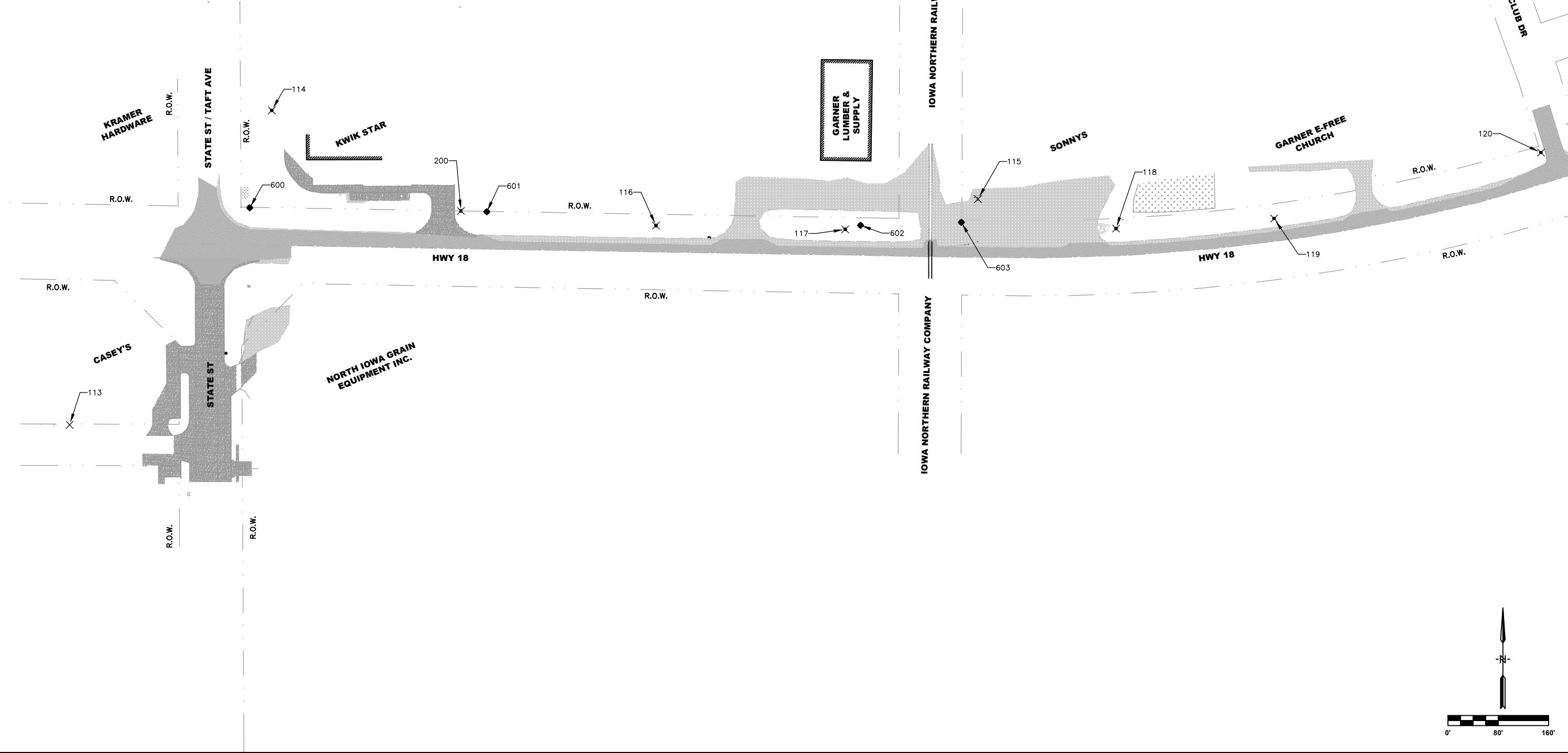


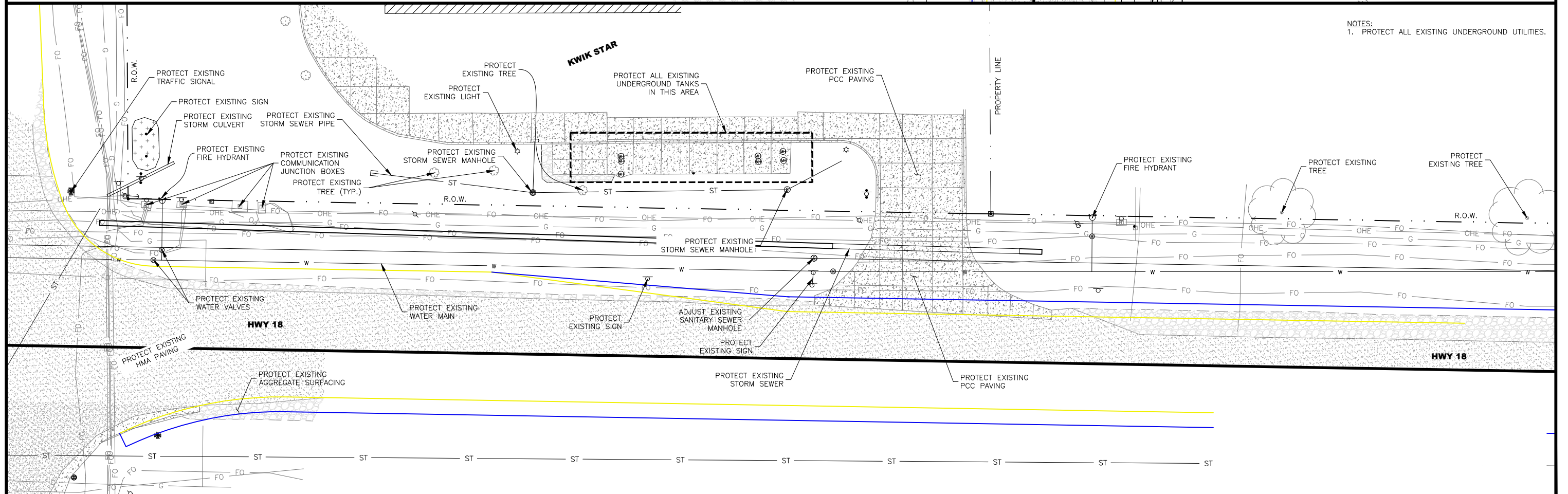
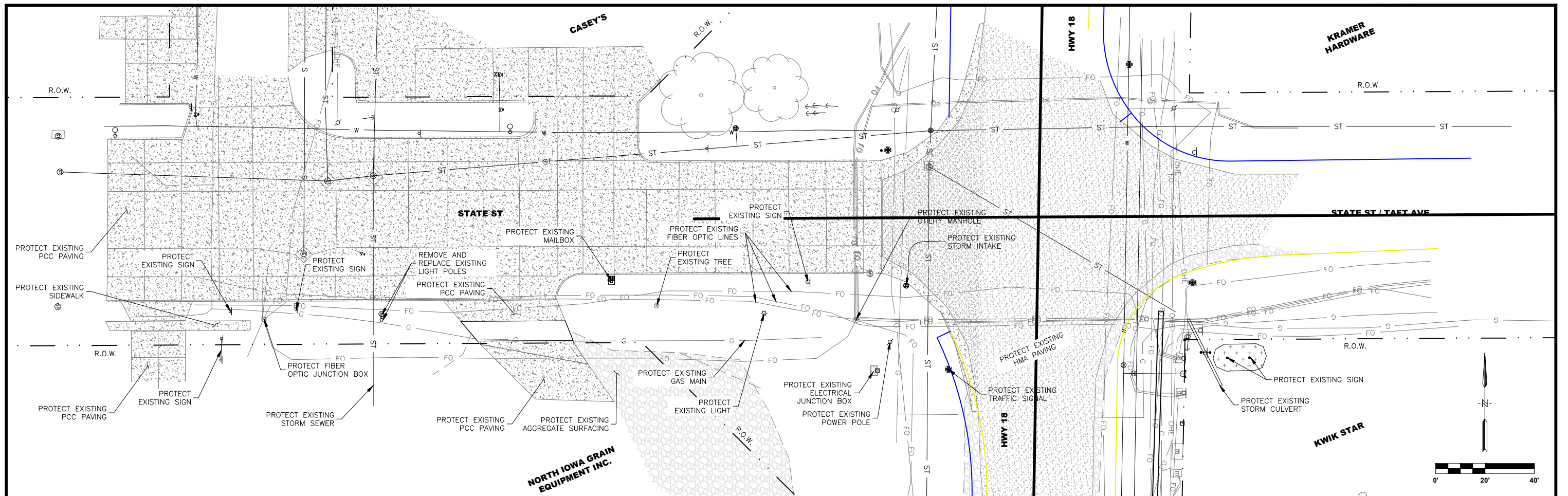




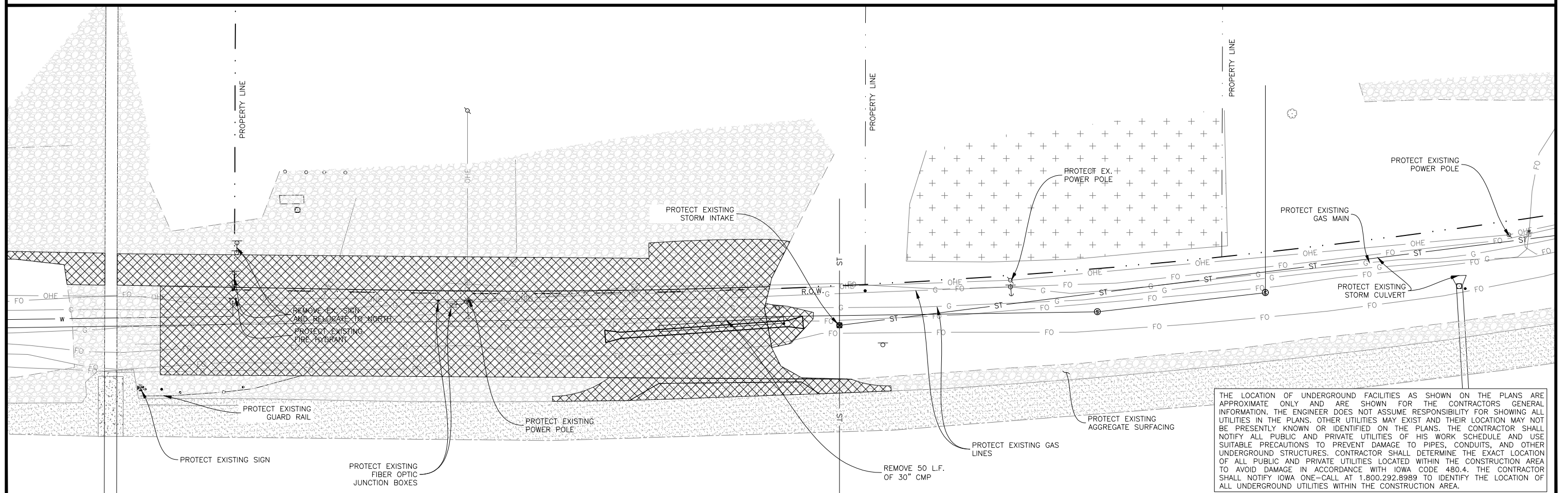
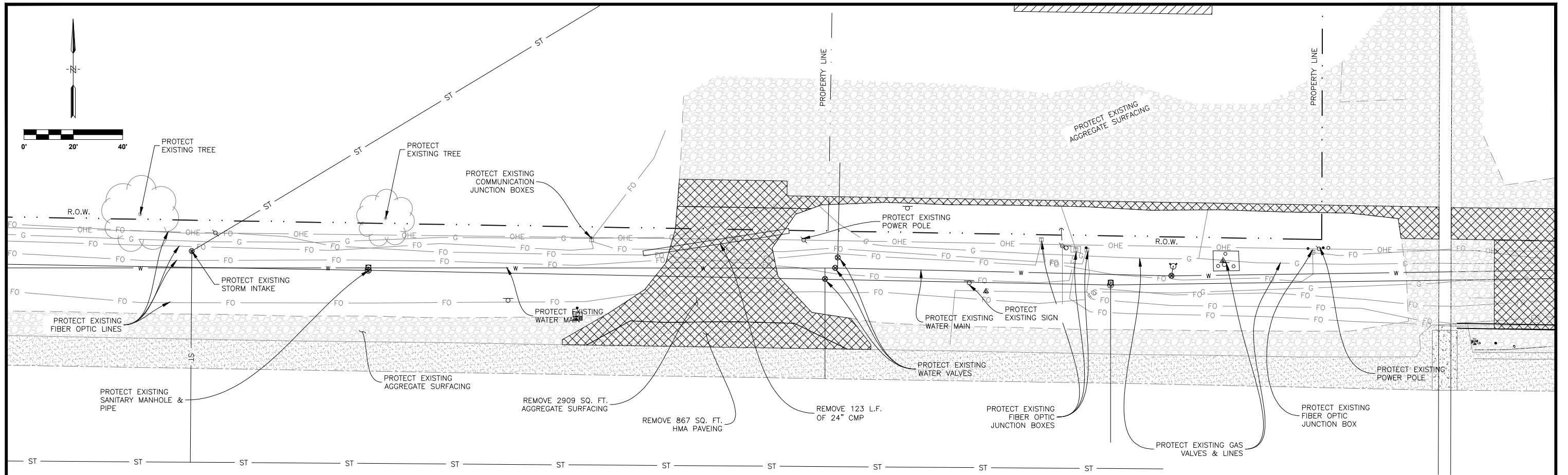


NO.	NORTHING	EASTING	ELEVATION	TYPE	DESCRIPTION
113	3865765.26	4893755.40	1209.67	Horizontal Control	CUT X ON SOUTH WEST SIDE OF PCC CORNER
114	3866265.18	4894076.62	1212.81	Horizontal Control	CUT X BY ISLAND NEAR LP TANK
115	3866124.12	4895199.07	1210.78	Horizontal Control	CUT X ON MANHOLE RIM
116	3866082.11	4894687.29	1206.96	Horizontal Control	CUT X ON MANHOLE RIM
117	3866076.02	4894988.05	1208.10	Horizontal Control	CUT X ON MANHOLE RIM
118	3866077.39	4895418.67	1205.95	Horizontal Control	CUT X ON INTAKE RIM BY MAXYIELD COOP
119	3866093.22	4895669.80	1209.89	Horizontal Control	CUT X ON PCC SOUTHWEST OF CHURCH
120	3866198.18	4896093.94	1212.10	Horizontal Control	CUT X ON CULVERT WEST OF COUNTY CLUB DR
200	3866105.38	4894377.36	1210.34	Horizontal Control	1/2" REBAR WITH YELLOW PLASTIC CAP
600	3866110.41	4894041.82	1209.91	Vertical Benchmark	CUT X ON FIRE HYDRANT BOLT NORTH SIDE OF HWY 18
601	3866103.89	4894418.57	1209.46	Vertical Benchmark	CUT X ON FIRE HYDRANT BOLT EAST SIDE OF KWIK STAR DRIVEWAY
602	3866082.45	4895012.54	1209.86	Vertical Benchmark	CUT X ON FIRE HYDRANT IN FRONT OF LUMBERYARD
603	3866087.18	4895172.83	1212.28	Vertical Benchmark	CUT X ON FIRE HYDRANT IN FRONT OF MAXYIELD

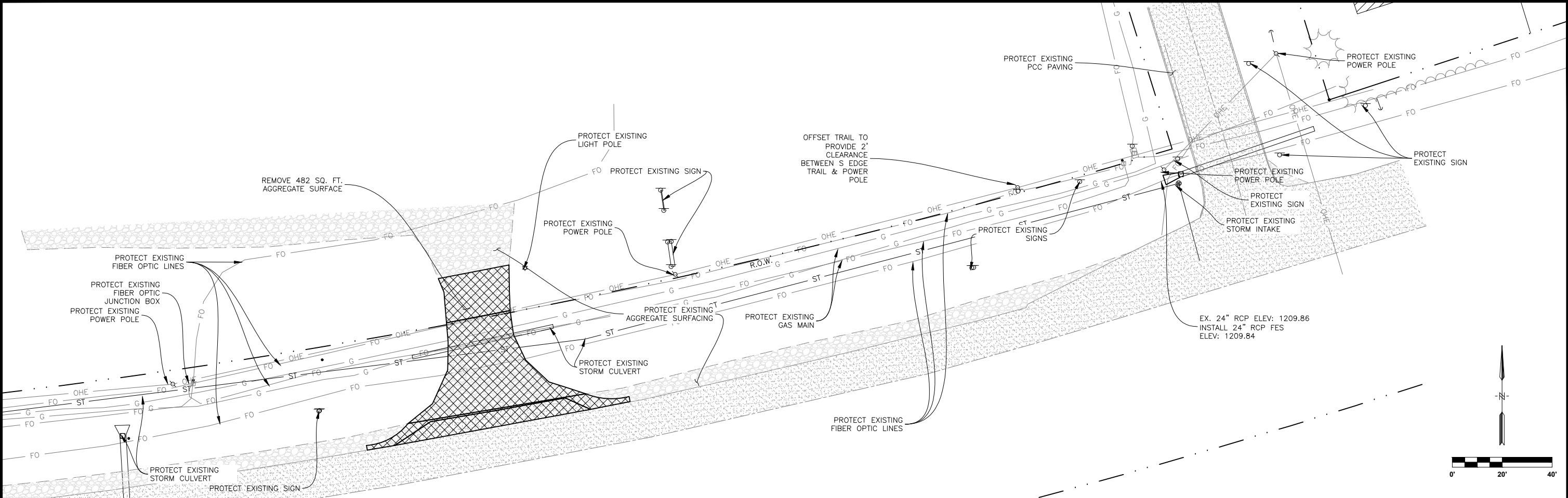




NOTES:
1. PROTECT ALL EXISTING UNDERGROUND UTILITIES.



THE LOCATION OF UNDERGROUND FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND ARE SHOWN FOR THE CONTRACTORS GENERAL INFORMATION. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR SHOWING ALL UTILITIES IN THE PLANS. OTHER UTILITIES MAY EXIST AND THEIR LOCATION MAY NOT BE PRESENTLY KNOWN OR IDENTIFIED ON THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITIES OF HIS WORK SCHEDULE AND USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL PUBLIC AND PRIVATE UTILITIES LOCATED WITHIN THE CONSTRUCTION AREA TO AVOID DAMAGE IN ACCORDANCE WITH IOWA CODE 480.4. THE CONTRACTOR SHALL NOTIFY IOWA ONE-CALL AT 1.800.292.8989 TO IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION AREA.



THE LOCATION OF UNDERGROUND FACILITIES AS SHOWN ON THE PLANS ARE APPROXIMATE ONLY AND ARE SHOWN FOR THE CONTRACTORS GENERAL INFORMATION. THE ENGINEER DOES NOT ASSUME RESPONSIBILITY FOR SHOWING ALL UTILITIES IN THE PLANS. OTHER UTILITIES MAY EXIST AND THEIR LOCATION MAY NOT BE PRESENTLY KNOWN OR IDENTIFIED ON THE PLANS. THE CONTRACTOR SHALL NOTIFY ALL PUBLIC AND PRIVATE UTILITIES OF HIS WORK SCHEDULE AND USE SUITABLE PRECAUTIONS TO PREVENT DAMAGE TO PIPES, CONDUITS, AND OTHER UNDERGROUND STRUCTURES. CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL PUBLIC AND PRIVATE UTILITIES LOCATED WITHIN THE CONSTRUCTION AREA TO AVOID DAMAGE IN ACCORDANCE WITH IOWA CODE 480.4. THE CONTRACTOR SHALL NOTIFY IOWA ONE-CALL AT 1.800.292.8989 TO IDENTIFY THE LOCATION OF ALL UNDERGROUND UTILITIES WITHIN THE CONSTRUCTION AREA.

LEGEND



GRASS



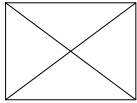
TRAIL



LANDING / TURNING SPACE



CURB RAMP



DETECTABLE WARNING

TRAIL RUNNING SLOPE
MIN=0.5% - MAX=5.0% - TARGET=STREET GRADE
APPROVAL & STAKING @ 4.0%+

TRAIL CROSS SLOPE OR
MATCH EX CROSS SLOPE
MIN=0.5% - MAX=2.0% - TARGET=1.5%
APPROVAL & STAKING @ 1.5%+

TRAIL RUNNING SLOPE
MIN=0.5% - MAX=5.0% - TARGET=STREET GRADE
APPROVAL & STAKING @ 4.0%+

LANDING / TURNING SPACE
MIN=0.1% - MAX=2.0% - TARGET 1.5%
APPROVAL & STAKING @ 1.6%+

LANDING TURNING SPACE
MIN=0.1% - MAX=2.0% - TARGET
1.5%APPROVAL & STAKING @ 1.5%+

LANDING / TURNING SPACE
MIN=0.1% - MAX=2.0% - TARGET 1.5%
APPROVAL & STAKING @ 1.6%+

RAMP RUNNING SLOPE
MIN=0.5% - MAX=8.3% - TARGET 6.25%
APPROVAL & STAKING @ 7.4%+

LANDING TURNING SPACE
MIN=0.1% - MAX=2.0% - TARGET
1.5%APPROVAL & STAKING @ 1.5%+

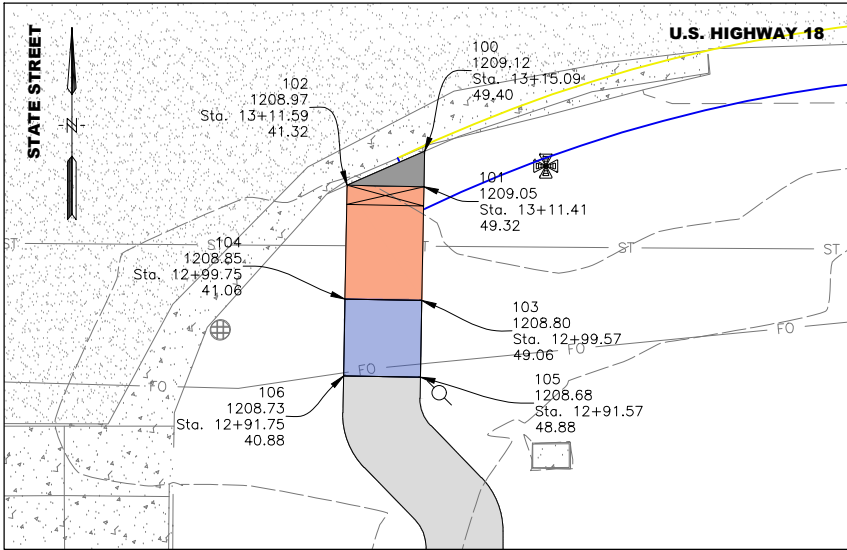
RAMP RUNNING SLOPE
MIN=0.5% - MAX=8.3% - TARGET 6.25%
APPROVAL & STAKING @ 7.4%+

TRAIL CROSS SLOPE
MIN=0.5% - MAX=2.0% - TARGET=1.5%
APPROVAL & STAKING @ 1.5%+

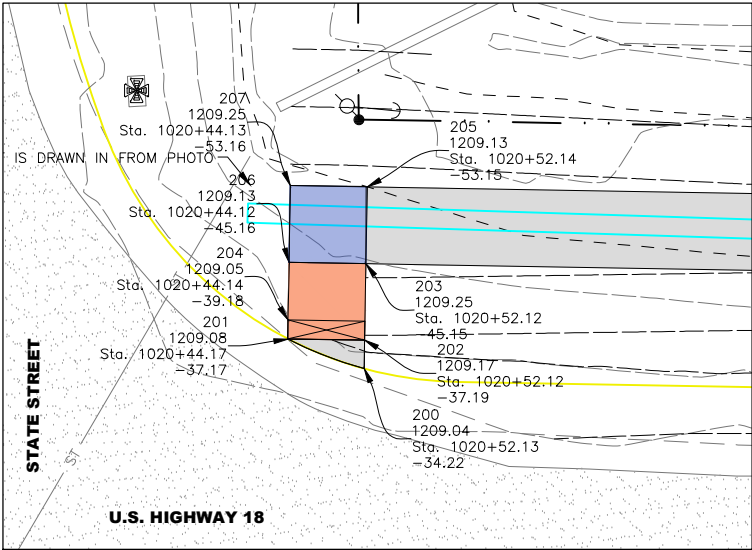
CROSSWALK CROSS SLOPE (NO YIELD CONDITION)
MIN=0.0% - MAX=5.0%
APPROVAL & STAKING @ 4.0%+

INDEX

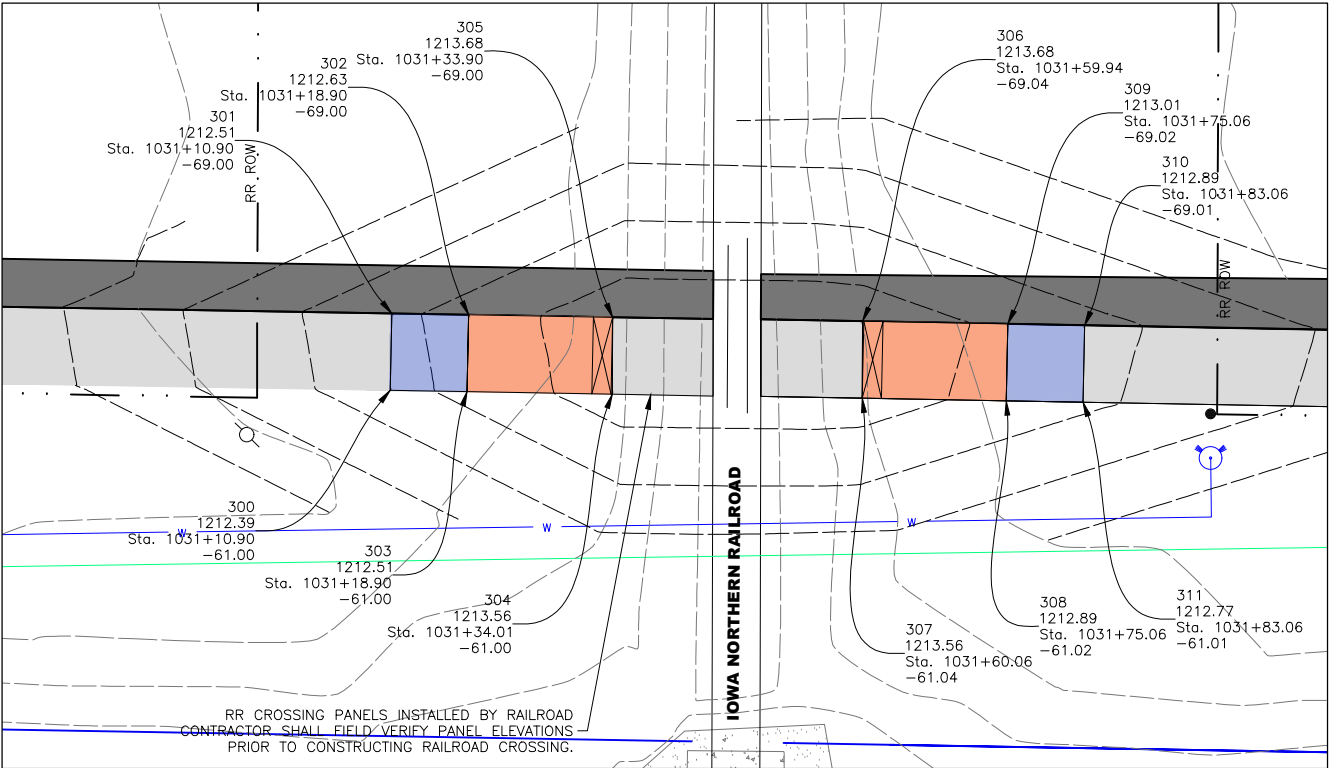
S.02 STATE ST. & HWY 18, RAILROAD CROSSING
S.03 COUNTRY CLUB DRIVE CROSSING



SOUTHEAST QUADRANT, STATE ST. & HWY 18 INTERSECTION
SCALE: 1" = 10'

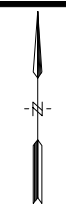


NORTHEAST QUADRANT, STATE ST. & HWY 18 INTERSECTION
SCALE: 1" = 10'



IOWA NORTHERN RAILROAD CROSSING
SCALE: 1" = 10'

SIDEWALK COMPLIANCE																						
See 5 Sheets																						
Designer Info																						
* 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.																						
This Data Entry Sheet fills Tab 113-10 effective 04-18-17																						
Point	Station	Offset	Elevation	Point to Point		Sidewalk Designation	" PCC Sidewalk ②	Distance*	Δ Elevation	Slope	Legally Acceptable Range	Difference between Designed Slope and Maximum Legally Acceptable Range	Acceptable Constructed Range	Does Designer need to obtain design approval from Method's Engineer?	Staking Required on this Quadrant? ①	Measured Slope	Initials	Remarks	FOR INFORMATION ONLY: VALUES USED TO DETERMINE DESIGNED SLOPES			
								FT	FT	%	Pos. or Neg.	Acceptable Range	Pos. or Neg.			%			Point	Station	Offset	Elevation
100	13+15.09	49.40	1209.12	100	101	Ramp Running Slope	6	3.67	-0.07	-1.9%	0.5% to 8.3%	6.4%	0.5% to 8.3%						100	13+15.09	49.40	1209.12
101	13+11.41	49.32	1209.05	100	102	Crosswalk Cross Slope - Yield Condition	6	8.80	-0.15	-1.7%	0.0% to 2.0%	0.3%	0.0% to 2.0%						101	13+11.41	49.32	1209.05
102	13+11.59	41.32	1208.97	102	104	Ramp Running Slope	6	11.89	-0.12	-1.0%	0.5% to 8.3%	7.3%	0.5% to 8.3%						102	13+11.59	41.32	1208.97
103	12+99.57	49.06	1208.80	101	102	Ramp Cross Slope	6	8.00	-0.08	-1.0%	0.1% to 2.0%	1.0%	0.1% to 2.0%						103	12+99.57	49.06	1208.80
104	12+99.75	41.06	1208.85	101	103	Ramp Running Slope	6	11.84	-0.25	-2.1%	0.5% to 8.3%	6.2%	0.5% to 8.3%						104	12+99.75	41.06	1208.85
105	12+91.57	48.88	1208.68	103	104	Landing/Turning Space	4	8.00	0.05	0.6%	0.1% to 2.0%	1.4%	0.1% to 2.0%						105	12+91.57	48.88	1208.68
106	12+91.75	40.88	1208.73	103	105	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						106	12+91.75	40.88	1208.73
				104	106	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%									
				105	106	Landing/Turning Space	4	8.00	0.05	0.6%	0.1% to 2.0%	1.4%	0.1% to 2.0%									
200	1020+52.13	-34.22	1209.04	200	201	Crosswalk Cross Slope - Yield Condition	6	8.69	0.04	0.5%	0.0% to 2.0%	1.5%	0.0% to 2.0%						200	1020+52.13	-34.22	1209.04
201	1020+44.17	-37.17	1209.08	201	202	Ramp Cross Slope	6	8.00	0.09	1.1%	0.1% to 2.0%	0.9%	0.1% to 2.0%						201	1020+44.17	-37.17	1209.08
202	1020+52.12	-37.19	1209.17	202	203	Ramp Running Slope	6	7.96	0.08	1.0%	0.5% to 8.3%	7.3%	0.5% to 8.3%						202	1020+52.12	-37.19	1209.17
203	1020+52.12	-45.15	1209.25	201	204	Ramp Running Slope	6	2.00	-0.03	-1.5%	0.5% to 8.3%	6.8%	0.5% to 8.3%						203	1020+52.12	-45.15	1209.25
204	1020+44.14	-39.00	1209.05	206	203	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						204	1020+44.14	-39.00	1209.05
205	1020+52.14	-53.15	1209.13	203	205	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						205	1020+52.14	-53.15	1209.13
206	1020+44.12	-45.16	1209.13	204	206	Ramp Running Slope	6	5.98	0.08	1.3%	0.5% to 8.3%	7.0%	0.5% to 8.3%						206	1020+44.12	-45.16	1209.13
207	1020+44.13	-53.16	1209.25	206	207	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						207	1020+44.13	-53.16	1209.25
				205	207	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%									
300	1031+10.90	-61.00	1212.39	300	301	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						300	1031+10.90	-61.00	1212.39
301	1031+10.90	-69.00	1212.51	300	303	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						301	1031+10.90	-69.00	1212.51
302	1031+18.90	-69.00	1212.63	301	302	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						302	1031+18.90	-69.00	1212.63
303	1031+18.90	-61.00	1212.51	302	303	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						303	1031+18.90	-61.00	1212.51
304	1031+34.01	-61.00	1213.56	302	305	Ramp Running Slope	6	15.00	1.05	7.0%	0.5% to 8.3%	1.3%	0.5% to 8.3%						304	1031+34.01	-61.00	1213.56
305	1031+33.90	-69.00	1213.68	303	304	Ramp Running Slope	6	15.11	1.05	6.9%	0.5% to 8.3%	1.4%	0.5% to 8.3%						305	1031+33.90	-69.00	1213.68
306	1031+59.94	-69.04	1213.68	304	305	Crosswalk Cross Slope - Yield Condition	6	8.00	0.12	1.5%	0.0% to 2.0%	0.5%	0.0% to 2.0%						306	1031+59.94	-69.04	1213.68
307	1031+60.06	-61.04	1213.56	306	307	Crosswalk Cross Slope - Yield Condition	6	8.00	-0.12	-1.5%	0.0% to 2.0%	0.5%	0.0% to 2.0%						307	1031+60.06	-61.04	1213.56
308	1031+75.06	-61.02	1212.89	306	309	Ramp Running Slope	6	15.13	-0.67	-4.5%	0.5% to 8.3%	3.8%	0.5% to 8.3%						308	1031+75.06	-61.02	1212.89
309	1031+75.06	-69.02	1213.01	307	308	Ramp Running Slope	6	15.00	-0.67	-4.5%	0.5% to 8.3%	3.8%	0.5% to 8.3%						309	1031+75.06	-69.02	1213.01
310	1031+83.06	-69.01	1212.89	308	309	Landing/Turning Space	4	8.00	0.12	1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						310	1031+83.06	-69.01	1212.89
311	1031+83.06	-61.01	1212.77	308	311	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%						311	1031+83.06	-61.01	1212.77
				309	310	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%									
				310	311	Landing/Turning Space	4	8.00	-0.12	-1.5%	0.1% to 2.0%	0.5%	0.1% to 2.0%									



NOTES:
1. CONTRACTOR SHALL COORDINATE GRADING WORK WITH IDOT GRADING WORK.

