

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

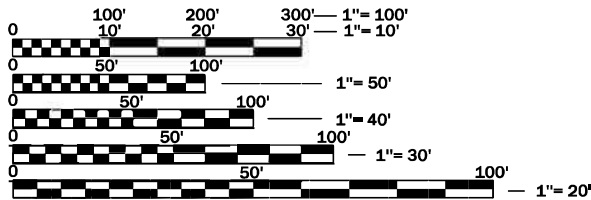
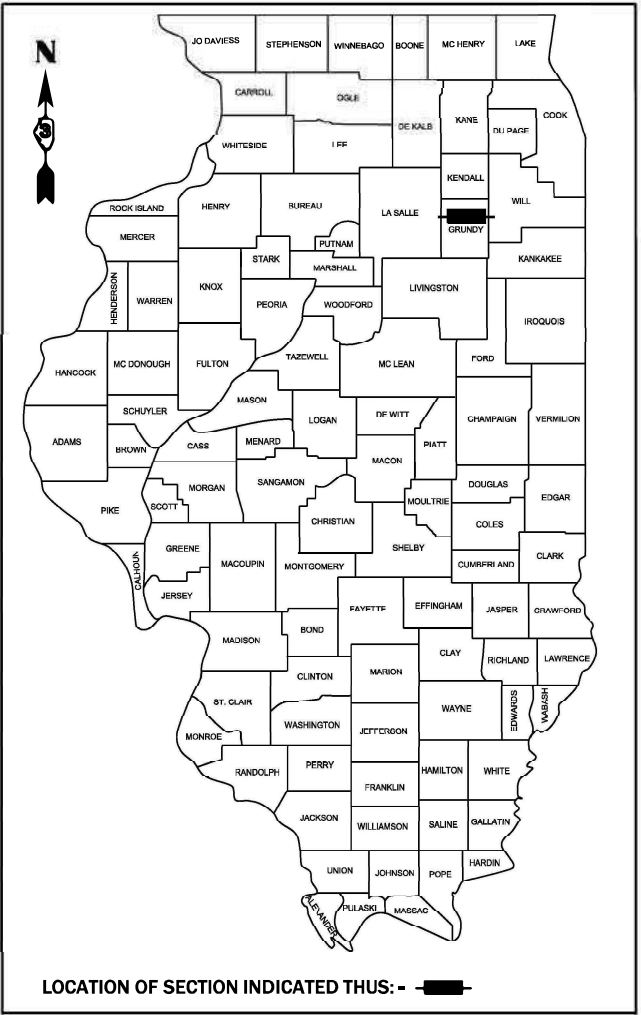
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IDNR	GLP 25	GRUNDY	87	1
IDNR NO. 2-23-004	ILLINOIS	CONTRACT NO. 46940		

FOR INDEX OF SHEETS, SEE SHEET NO. 2

PROPOSED
HIGHWAY PLANS

GOOSE LAKE PRAIRIE
STATE NATURAL AREA (IDNR)
SECTION GLP 2025
ROADWAY IMPROVEMENTS
GRUNDY COUNTY

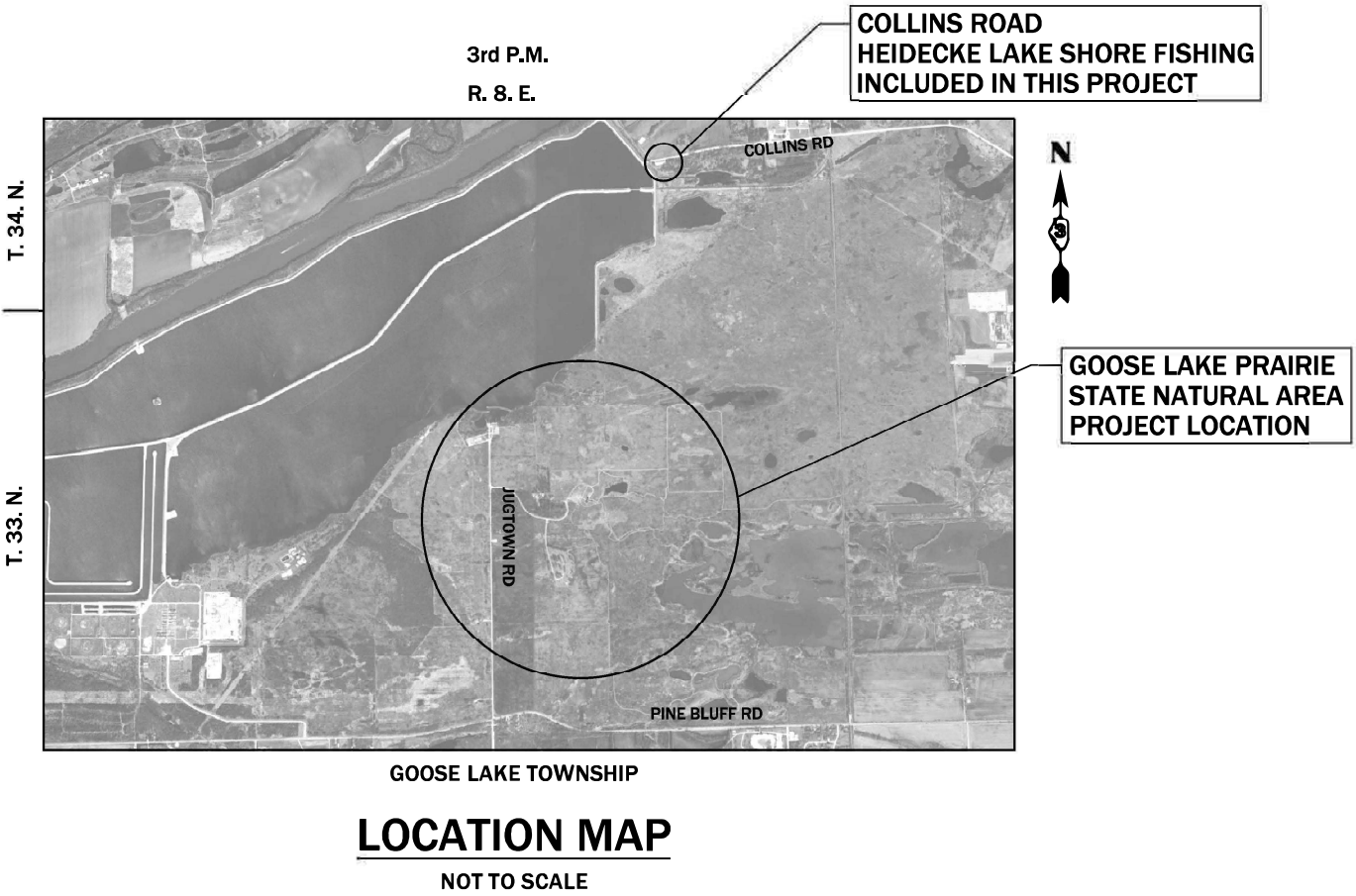
C-30-001-25
IDNR PROJECT 2-23-004



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD
ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT
CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS
ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 46940



LOCATION MAP
NOT TO SCALE

GROSS AND NET LENGTH = APPROX 1.4 MILES INTERNAL PARK ROADS

E LIN ENGINEERING, LTD.
Consulting Engineers
Westmont, Illinois

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUBMITTED MAR 21, 2025

See E.A. Etk
REGIONAL ENGINEER

March 21 2025
See E.A. Etk
ENGINEER OF DESIGN AND ENVIRONMENT

March 21 2025
See E.A. Etk
DIRECTOR OF HIGHWAYS PROJECT IMPLEMENTATION

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

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HIGHWAY STANDARDS

000001-08	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001006	DECIMAL OF AN INCH AND OF A FOOT
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-12	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424016-06	MID-BLOCK CURB RAMPS FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
542301-03	PRECAST REINFORCED CONCRETE FLARED END SECTION
542306-03	PRECAST REINFORCED CONCRETE ELLIPTICAL FLARED END SECTION
606001-08	COMBINATION CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701001-02	OFF-RD OPERATIONS, 2L, 2W, MORE THAN 15' (4.5M) AWAY
701006-05	OFF-RD OPERATIONS, 2L, 2W, 15' (4.5M) TO 24" (600MM) FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE 2L, 2W, SHORT TIME OPERATIONS
701901-10	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-04	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
780001-05	TYPICAL PAVEMENT MARKINGS
821101-03	LUMINAIRE WIRING IN POLE
830001-03	LIGHT POLE ALUMINUM MAST ARM
836001-05	LIGHT POLE FOUNDATION
BLR 17-4	TRAFFIC CONTROL DEVICES - DAY LABOR CONSTRUCTION
BLR 18-6	TRAFFIC CONTROL DEVICES - DAY LABOR MAINTENANCE
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
BLR 22-7	TYP. APPL. OF T.C.D FOR RURAL LOC. HWYS. (2-LANE 2 WAY RURAL TRAFF.) (RD. CLOSED TO THRU TRAFFIC)

DISTRICT STANDARDS

400-1	RURAL ENTRANCES - NON COMMERCIAL
406-2	ENTRANCE AND SIDEROAD DETAILS FOR RESURFACING PROJECTS
406-9	BUTT JOINT NON INTERSTATE STANDARD OVERLAY
451-1	ROUTING AND SEALING CRACKS - PAVEMENT
720-6	DISABLED PARKING SIGNS & MARKINGS
780-3	TYPICAL SPACING FOR CROSSWALKS AT STOP BARS
780-8	PAVEMENT MARKING - TWO LANE ROADWAY

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-J.U.L.I.E. MEMBERS, THE UTILITY COMPANY DIRECTLY.

NON-J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.

2. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUB NUMBER LISTED IN THE INDEX OF SHEETS OR THE COPY OF THE STANDARD INCLUDED IN THESE PLANS.

3. IN ADDITION TO FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES AND UTILITY LOCATIONS HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR WORK.

4. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS, AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED.

5. ALL SIGN LOCATIONS ARE TO BE STAKED IN THE FIELD BY THE RESIDENT ENGINEER.

6. ALL PROPOSED GATE LOCATIONS ARE TO BE STAKED IN THE FIELD BY THE RESIDENT ENGINEER.

7. BEFORE ORDERING PIPE CULVERTS OR PIPE DRAINS, THE CONTRACTOR SHALL CONSULT THE ENGINEER FOR EXACT LENGTHS.

8. EXCEPT AS NOTED ON THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE TOP OF PAVEMENT STRUCTURE.

9. THE ENGINEER WILL BE THE SOLE JUDGE CONCERNING CURING TIME FOR VARIOUS HMA LIFTS.

10. ALL ELEVATIONS REFERRING TO U.S.G.S MEAN SEA LEVEL DATUM.

11. A NOMINAL QUANTITY OF AGGREGATE BASE REPAIR HAS BEEN INCLUDED IN THIS CONTRACT AND SHALL BE USED TO REPAIR EXISTING BASE IN AREAS OF SETTLING THAT ARE ENCOUNTERED IN THE FIELD DURING CONSTRUCTION ALONG THE OUTSIDE OF EACH LANE OF MAIN PARK RD AND IN THE PARKING LOTS. THE NEED AND LOCATIONS OF THE REPAIRS SHALL BE DETERMINED BY THE ENGINEER.

12. A NOMINAL QUANTITY FOR FURNISHING AND PLACING SAND FILL HAS BEEN INCLUDED TO FILL THE DECOMMISSIONED VAULT TOILETS IF NO FILL IS CURRENTLY PRESENT.

13. THE BASELINE SHOWN IN THE PLANS IS A "BEST FIT" ALIGNMENT OF THE CENTER OF THE EXISTING ROADWAYS AND PARKING LOTS FOR THE PURPOSE OF STATION AND DETERMINING OFFSETS. IN MOST CASES IT DOES NOT REPRESENT THE PHYSICAL CENTERLINE OF THE ROADWAY. THE CADD FILES WILL BE PROVIDED TO THE CONTRACTOR TO RE-ESTABLISH CONTROL AND STAKING DURING CONSTRUCTION.

14. TREES THAT INTERFERE WITH THE CONSTRUCTION OPERATIONS SHALL BE REMOVED AS INDICATED BY THE ENGINEER. ANY TREE DUE TO ITS LOCATION AND DEEMED SUITABLE FOR SAVING BY THE ENGINEER SHALL BE PROTECTED DURING CLEARING AND SUBSEQUENT CONSTRUCTION OPERATIONS AT NO ADDITIONAL COST. TREE PROTECTION WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE CONSIDERED INCIDENTAL TO THE WORK ITEM REQUIRING PROTECTION.

HOT- MIX ASPHALT MIXTURE REQUIREMENTS			
MIXTURE TYPE	AIR VOIDS @ NDES	QUALITY MANAGEMENT PROGRAM (QMP)	DENSITY TEST METHOD
HOT-MIX ASPHALT RESURFACING 2"			
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "C", N50; 2"	4% @ 50 GYR	QC/QA	CORES/NUCLEAR
VARIOUS PARKING LOT PAVEMENT & MAIN PARK RD RESURFACING 3.75"			
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "C", N50, 1.5"	4% @ 50 GYR	QC/QA	CORES/NUCLEAR
HOT-MIX ASPHALT BINDER COURSE IL-19.0 N50, 2.25"	4% @ 50 GYR	QC/QA	CORES/NUCLEAR
FULL DEPTH HOT-MIX ASPHALT PAVEMENT 6"			
HOT-MIX ASPHALT SURFACE COURSE IL-9.5, MIX "C", N50, 2"	4% @ 50 GYR	QC/QA	CORES/NUCLEAR
HOT-MIX ASPHALT BINDER COURSE IL-19.0 N50, 4"	4% @ 50 GYR	QC/QA	CORES/NUCLEAR
QMP DESIGNATION: QUALITY CONTROL/QUALITY ASSURANCE; QUALITY CONTROL FOR PERFORMANCE (QCP)			

MIXTURE TABLE NOTES

- THE UNIT WEIGHT USED TO CALCULATE ALL HOT-MIX ASPHALT SURFACE MIXTURE QUANTITIES IS 112 LBS/SQYD/IN.
- THE AC TYPE FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 76-22" AND FOR NON-POLYMERIZED HMA THE AC TYPE SHALL BE "PG 64-22" UNLESS MODIFIED BY RECLAIMED MATERIALS SPECIFICATION.

RATES OF APPLICATION

FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

AGGREGATE (SURFACE AND BASE)	2.05 TON / CU YD
EARTH	110 LBS / CU FT
HOT-MIX-ASPHALT	
BITUMINOUS MATERAIL (TACK COAT) (ON EXISTING PAVEMENT)	0.05 LB / SQ FT
BITUMINOUS MATERIAL (TACK COAT) (ON HMA LIFTS)	0.025 LB / SQ FT
BITUMINOUS MATERIAL (PRIME COAT) (AGGREGATE BASE)	0.25 LB / SQ FT
HOT MIX ASPHALT SURFACE/BINDER (112 LB / SQ YD / IN)	0.056 TON / SQ YD * IN
SEEDING	
NITROGEN FETILIZER NUTRIENT	90 LBS / ACRE
POTASSIUM FERTILIZER NUTRIENT	90 LBS / ACRE
PHOSPHORUS FERTILIZER NUTRIENT	90 LBS / ACRE
CRACK FILLING	0.5 POUND / FT

COMMITMENTS

NONE.

LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois	USER NAME = 14nho	DESIGNED - NH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	INDEX, HIGHWAY STANDARDS & GENERAL NOTES GOOSE LAKE PRAIRIE STATE NATURAL AREA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN - NH	REVISED -			IDNR	GLP 25	GRUNDY	87	2
	PLOT SCALE = 100.0000 ' / in.	CHECKED - RC	REVISED -			IDNR NO. 2-23-004		CONTRACT NO. 46940		
	PLOT DATE = 2/20/2025	DATE - 2/2025	REVISED -			SCALE: N.T.S.	SHEET 1 OF 1 SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				ROADWAY
				0005
20200100	EARTH EXCAVATION	CU YD	6,375	6,375
20800150	TRENCH BACKFILL	CU YD	60	60
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	7,242	7,242
21101630	TOPSOIL FURNISH AND PLACE, 8"	SQ YD	20,584	20,584
21400100	GRADING AND SHAPING DITCHES	FOOT	3,888	3,888
25000100	SEEDING, CLASS 1	ACRE	1.50	1.50
25000115	SEEDING, CLASS 1B	ACRE	1.25	1.25
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	410	410
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	410	410
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	410	410
25100115	MULCH, METHOD 2	ACRE	3.00	3.00
25100630	EROSION CONTROL BLANKET	SQ YD	4,926	4,926
25100635	HEAVY DUTY EROSION CONTROL BLANKET	SQ YD	1,748	1,748
28000305	TEMPORARY DITCH CHECKS	FOOT	382	382

* SPECIALTY ITEM

LIN ENGINEERING,LTD. Consulting Engineers Westmont, Illinois	USER NAME = 14nho	DESIGNED - NH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES GOOSE LAKE PRAIRIE STATE NATURAL AREA			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000 ' / in.	DRAWN - NH	REVISED -					IDNR	GLP 25	GRUNDY	87	3
	PLOT DATE = 2/20/2025	CHECKED - RC	REVISED -		SCALE: N.T.S.			SHEET 1 OF 7 SHEETS			STA. TO STA.	
		DATE - 2/2025	REVISED -					ILLINOIS FED. AID PROJECT				
								IDNR NO. 2-23-004			CONTRACT NO. 46940	

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				ROADWAY
				0005
28000400	PERIMETER EROSION BARRIER	FOOT	2,107	2,107
28000500	INLET AND PIPE PROTECTION	EACH	17	17
35101500	AGGREGATE BASE COURSE, TYPE B	CU YD	2,181	2,181
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	723	723
35800100	PREPARATION OF BASE	SQ YD	12,855	12,855
35800200	AGGREGATE BASE REPAIR	TON	122	122
40200900	AGGREGATE SURFACE COURSE, TYPE B	CU YD	15	15
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	58,202	58,202
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	3,336	3,336
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	595	595
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	1,218	1,218
40604050	HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50	TON	2,228	2,228
40701801	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"	SQ YD	3,977	3,977
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	6,506	6,506

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				ROADWAY
				0005
* 42400800	DETECTABLE WARNINGS	SQ FT	131	131
44000100	PAVEMENT REMOVAL	SQ YD	14,081	14,081
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	12,232	12,232
44000159	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"	SQ YD	5,805	5,805
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	1,582	1,582
44000600	SIDEWALK REMOVAL	SQ FT	1,581	1,581
45100200	CRACK FILLING	POUND	3,403	3,403
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	93	93
50102400	CONCRETE REMOVAL	CU YD	15.0	15.0
50104400	CONCRETE HEADWALL REMOVAL	EACH	6	6
50105220	PIPE CULVERT REMOVAL	FOOT	455	455
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	6	6
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	4	4
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	2	2

* SPECIALTY ITEM

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				ROADWAY
				0005
54214509	PRECAST REINFORCED CONCRETE FLARED END SECTIONS, EQUIVALENT ROUND-SIZE 24"	EACH	8	8
542A0217	PIPE CULVERTS, CLASS A, TYPE 1 12"	FOOT	145	145
542A0220	PIPE CULVERTS, CLASS A, TYPE 1 15"	FOOT	129	129
542A5479	PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 24"	FOOT	249	249
60500060	REMOVING INLETS	EACH	6	6
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	5	5
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	65	65
60608562	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12	FOOT	1,898	1,898
60920018	PIPE CULVERTS TO BE CLEANED 18"	FOOT	22	22
60920024	PIPE CULVERTS TO BE CLEANED 24"	FOOT	47	47
60921024	PIPE CULVERTS TO BE CLEANED, EQUIVALENT ROUND-SIZE 24"	FOOT	48	48
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	6	6
67100100	MOBILIZATION	L SUM	1	1
* 72000100	SIGN PANEL - TYPE 1	SQ FT	31	31

* SPECIALTY ITEM

				CONSTRUCTION CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
* 72000200	SIGN PANEL - TYPE 2	SQ FT	12	12
* 72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	4	4
* 72400735	REMOVE AND RELOCATE SIGN PANEL - TYPE 1	SQ FT	8	8
* 72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	72	72
* 73000100	WOOD SIGN SUPPORT	FOOT	84	84
* 73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	6	6
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	526	526
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	41,272	41,272
* 78009006	MODIFIED URETHANE PAVEMENT MARKING - LINE 6"	FOOT	104	104
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	96	96
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	84	84
	78300202 PAVEMENT MARKING REMOVAL - WATER BLASTING	SQ FT	25	25
* 81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA	FOOT	200	200
* 81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	950	950

* SPECIALTY ITEM

				CONSTRUCTION CODE
				100% STATE
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY
				0005
* 82110006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	10	10
* 83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	45	45
* 84200600	REMOVAL OF LIGHTING UNIT, NO SALVAGE	EACH	7	7
* 84200804	REMOVAL OF POLE FOUNDATION	EACH	7	7
* 89501250	RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1	1
X0300249	REMOVE EXISTING GATE	EACH	5	5
X0301339	REMOVE EXISTING PARKING BLOCKS	EACH	93	93
X0301430	PRECAST CONCRETE PARKING BLOCK	EACH	109	109
X0323013	TUBULAR STEEL GATE	EACH	7	7
X0323256	REMOVE AND RELOCATE FLAGPOLE	EACH	1	1
* X0323388	TRAFFIC COUNTER	EACH	1	1
X0324056	REMOVAL OF EXISTING WOOD BOLLARDS	EACH	7	7
X0325800	PARKING LOT SEAL COAT	SQ YD	11,259	11,259
X2010512	CLEARING AND GRUBBING	SQ YD	113	113

* SPECIALTY ITEM

REV. 2/27/25

CODE NO.	ITEM	UNIT	TOTAL QUANTITY	CONSTRUCTION CODE
				100% STATE
				ROADWAY
				0005
X2090213	FURNISHING AND PLACING SAND FILL	CU YD	15	15
X2130010	EXPLORATION TRENCH (SPECIAL)	FOOT	188	188
X2502014	SEEDING, CLASS 4A (MODIFIED)	ACRE	1.75	1.75
* X2600007	REMOVE AND SALVAGE SIGN PANEL	EACH	4	4
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	357	357
X5010523	REMOVE CONCRETE END SECTION	EACH	4	4
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
* X7240600	REMOVE AND RE-ERECT EXISTING SIGN	EACH	2	2
* X8302393	LIGHT POLE, ALUMINIUM, 25 FT M.H., 4 FT. ARM (SPECIAL)	EACH	8	8
* X8302395	LIGHT POLE, ALUMINIUM, 25 FT M.H., 4 FT. ARM, TWIN (SPECIAL)	EACH	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1

* SPECIALTY ITEM

GEOTECHNICAL FABRIC FOR GROUND STABILIZATION

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
MAIN PARK RD	100+57.72	100+65.72	RT/LT	19.64
MAIN PARK RD	112+96.96	113+05.24	RT/LT	19.86
MAIN PARK RD	115+81.73	115+89.73	RT/LT	23.31
MAIN PARK RD	123+91.76	124+07.77	RT/LT	71.60
MAINTENANCE YARD RD	306+23.67	306+39.71	RT/LT	43.20
VISITOR CENTER	800+00.00	807+49.56	RT/LT	3,600.65
STAFF LOT	1600+13.00	1601+60.48	RT/LT	638.25
JUGTOWN RD	69+29.26	69+55.81	RT	20.33
JUGTOWN RD	69+32.58	69+54.64	RT	19.01
LOOP RD	200+21.04	200+29.04	RT/LT	45.70
LOOP RD	200+41.19	200+49.20	RT/LT	22.87
LOOP RD	200+64.49	200+72.51	RT/LT	19.97
LOOP RD	205+92.92	206+03.23	RT/LT	24.27
LOOP RD	218+89.79	218+93.80	RT/LT	8.70
ARCHERY LOT	400+24.56	401+44.56	RT/LT	145.35
ARCHERY LOT	401+44.56	401+89.67	RT/LT	174.84
COLLINS LOT	901+00.42	903+95.69	RT	2,250.85
DAY USE LOT	-	-	-	93.56
ROUNDED TOTAL				7,242

AGGREGATE BASE COURSE, TYPE B 4"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
DAY USE LOT	-	-	LT/RT	113.45
JUGTOWN RD	68+06.23	69+20.34	LT	109.69
JUGTOWN RD	70+73.00	70+96.70	RT	26.32
STAFF LOT	1600+36.89	1601+30.06	LT	132.52
VISITOR CENTER	802+34.76	804+71.00	RT	427.63
ROUNDED TOTAL				810

PREPARATION OF BASE

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
ARCHERY LOT	400+14.56	401+44.56	RT/LT	439.09
DAY USE LOT	-	-	-	728.88
JUGTOWN RD	55+03.32	71+30.20	RT/LT	5,643.18
MAIN PARK RD	100+11.45	124+66.12	RT/LT	6,043.59
ROUNDED TOTAL				12,855

AGGREGATE SURFACE COURSE, TYPE B

ALIGNMENT	FROM STATION	TO STATION	LT/RT	VOLUME (CU YD)
VISITOR CENTER	800+00.00	803+82.32	RT	10.60
VISITOR CENTER	804+57.77	804+58.83	RT	4.36
ROUNDED TOTAL				15

TRENCH BACKFILL

ALIGNMENT	FROM STATION	TO STATION	LT/RT	VOLUME (CU YD)
MAIN PARK RD	100+57.75	100+65.75	RT/LT	5.40
MAIN PARK RD	123+91.76	124+07.77	RT/LT	12.38
LOOP RD	200+21.04	200+29.04	RT/LT	13.30
MAINTENANCE YARD RD	306+23.67	306+39.71	RT/LT	6.31
LOOP RD	218+89.79	218+93.80	RT/LT	2.97
COLLINS RD	901+16.39	901+36.26	RT	3.04
COLLINS RD	903+56.94	903+83.30	RT	4.03
ARCHERY LOT	401+79.90	401+80.52	RT/LT	5.87
DAY USE LOT	-	-	RT/LT	5.73
ROUNDED TOTAL				60

AGGREGATE BASE COURSE, TYPE B

ALIGNMENT	FROM STATION	TO STATION	LT/RT	VOLUME (CU YD)
MAIN PARK RD	100+57.72	100+65.72	RT/LT	4.36
MAIN PARK RD	112+96.96	113+05.24	RT/LT	4.41
MAIN PARK RD	115+81.73	115+89.73	RT/LT	5.18
MAIN PARK RD	123+91.76	124+07.77	RT/LT	15.91
MAINTENANCE YARD RD	306+23.67	306+39.71	RT/LT	9.60
VISITOR CENTER	800+00.00	807+49.56	RT/LT	1,000.18
STAFF LOT	1600+13.00	1601+60.48	RT/LT	177.29
JUGTOWN RD	69+29.26	69+55.81	RT	4.52
JUGTOWN RD	69+32.58	69+54.64	RT	4.22
LOOP RD	200+21.04	200+29.04	RT/LT	10.16
LOOP RD	200+41.19	200+49.20	RT/LT	5.08
LOOP RD	200+64.49	200+72.51	RT/LT	4.44
LOOP RD	205+92.92	206+03.23	RT/LT	5.39
LOOP RD	218+89.79	218+93.80	RT/LT	1.93
ARCHERY LOT	400+14.56	401+89.67	RT/LT	113.29
ARCHERY LOT	400+14.56	400+75.00	RT/LT	30.43
COLLINS LOT	901+00.42	903+95.69	RT	500.19
DAY USE LOT	-	-	-	283.45
ROUNDED TOTAL				2,181

EARTHWORK SCHEDULE

EARTH EXCAVATION	EARTH EXC. ADJ. FOR SHRINKAGE (15%)	EMBANKMENT	EARTHWORK BALANCE (+/-)
CU YD	CU YD	CU YD	CU YD
6,375	5,419	4,830	-589

GRADING AND SHAPING DITCHES

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
JUGTOWN RD	20+50.00	23+24.63	LT	274.70
JUGTOWN RD	23+92.93	24+36.46	LT	43.68
JUGTOWN RD	41+23.27	42+69.60	RT	147.45
JUGTOWN RD	43+33.77	43+62.98	RT	30.00
JUGTOWN RD	56+32.40	60+00.00	RT	422.03
LOOP RD	200+26.06	200+90.77	RT	72.00
MAINTENANCE YARD RD	305+68.30	306+33.06	RT	65.74
MAINTENANCE YARD RD	305+63.18	306+32.50	LT	70.00
ARCHERY LOT	400+24.56	401+80.83	RT	159.94
ARCHERY LOT	400+24.56	401+79.26	LT	154.73
COLLINS RD	900+00.00	900+99.94	RT	107.87
COLLINS RD	901+52.29	903+39.21	RT	188.00
COLLINS RD	903+98.26	904+36.62	RT	38.33
MAIN PARK RD	100+27.39	100+91.97	RT	72.88
MAIN PARK RD	115+00.00	115+79.24	RT	79.00
MAIN PARK RD	116+73.21	123+97.60	RT	777.24
MAIN PARK RD	123+39.89	123+99.93	LT	65.70
MAIN PARK RD	124+42.18	127+75.43	LT	357.92
PRVCDITCH02	500+00.00	505+35.50	RT/LT	535.50
VISITOR CENTER	806+46.18	806+50.16	RT	45.76
LOOP DITCH	1500+43.34	1501+34.83	RT/LT	95.00
LOOP RD	218.49.28	218+90.75	LT	41.61
LOOP RD	218+90.75	219+32.52	LT	42.0
ROUNDED TOTAL				3,888

BITUMINOUS MATERIALS (PRIME COAT)

ALIGNMENT	FROM STATION	TO STATION	LT/RT	POUND
ARCHERY LOT	400+14.56	401+89.67	RT/LT	1,708.42
DAY USE LOT	-	-	RT/LT	1,900.52
COLLINS RD	901+00.42	903+95.69	RT	5,064.41
VISITOR CENTER	800+00.00	807+49.56	RT/LT	7,510.81
STAFF LOT	1600+13.00	1601+60.48	RT/LT	1,436.05
MAIN PARK RD	100+61.37	124+66.12	RT/LT	13,059.60
JUGTOWN RD	55+03.32	71+30.20	RT/LT	12,697.16
LOOP RD	200+41.37	223+66.92	RT/LT	14,824.67
ROUNDED TOTAL				58,202

HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
LOOP RD	200+11.37	200+41.37	RT/LT	183.92
MAINTENANCE YARD RD	306+40.44	306+70.95	RT/LT	172.54
ROUNDED TOTAL				357

BITUMINOUS MATERIALS (TACK COAT)

ALIGNMENT	FROM STATION	TO STATION	LT/RT	POUND
ARCHERY LOT	400+14.56	401+89.67	RT/LT	170.84
DAY USE LOT	-	-	RT/LT	190.05
COLLINS RD	901+00.42	903+95.69	RT	506.44
VISITOR CENTER	800+00.00	807+49.56	RT/LT	751.08
STAFF LOT	1600+13.00	1601+60.48	RT/LT	143.61
MAIN PARK RD	100+61.37	124+66.12	RT/LT	1,305.96
MAIN PARK RD	100+11.45	100+61.37	RT/LT	107.17
LOOP RD	200+11.37	200+41.37	RT/LT	82.76
MAINTENANCE YARD RD	306+40.44	306+70.95	RT/LT	77.64
ROUNDED TOTAL				3,336

HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
MAIN PARK RD	100+11.45	100+61.37	RT/LT	238.16
LOOP RD	200+11.37	200+41.37	RT/LT	183.92
MAINTENANCE YARD RD	306+40.44	306+70.95	RT/LT	172.54
ROUNDED TOTAL				595

HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50

ALIGNMENT	FROM STATION	TO STATION	LT/RT	TON
ARCHERY LOT	400+14.56	401+89.67	RT/LT	95.67
DAY USE LOT	-	-	RT/LT	106.43
COLLINS RD	901+00.42	903+95.69	RT	283.61
MAIN PARK RD	100+61.37	124+66.12	RT/LT	731.34
ROUNDED TOTAL				1,218

HOT-MIX ASPHALT SURFACE COURSE, IL-9.5, MIX "C", N50

ALIGNMENT	FROM STATION	TO STATION	LT/RT	TON
ARCHERY LOT	400+14.56	401+89.67	RT/LT	63.78
DAY USE LOT	-	-	RT/LT	70.95
JUGTOWN RD	55+03.32	71+30.20	RT/LT	632.04
COLLINS RD	901+00.42	903+95.69	RT	189.07
LOOP RD	200+11.37	200+41.37	RT/LT	15.45
LOOP RD	200+41.37	223+66.92	RT/LT	737.94
MAIN PARK RD	100+61.37	124+66.12	RT/LT	487.56
MAIN PARK RD	100+11.45	100+61.37	RT/LT	16.67
MAINTENANCE YARD RD	306+40.44	306+70.95	RT/LT	14.49
ROUNDED TOTAL				2,228

HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 6"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
VISITOR CENTER	800+00.00	807+49.56	RT/LT	3,338.14
STAFF LOT	1600+13.00	1601+60.48	RT/LT	638.25
ROUNDED TOTAL				3,977

PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ FT)
DAY USE LOT	-	-	RT/LT	1,021.06
JUGTOWN RD	68+06.23	69+20.34	LT	987.20
JUGTOWN RD	70+73.00	70+96.70	RT	236.84
STAFF LOT	1600+36.89	1601+30.06	LT	1,192.70
VISITOR CENTER	802+34.76	804+71.00	RT	3,848.64
ROUNDED TOTAL				7,287

DETECTABLE WARNINGS

ALIGNMENT	STATION	LT/RT	AREA (SQ FT)
JUGTOWN RD	68+53.94	LT	10.00
JUGTOWN RD	68+84.29	LT	10.00
JUGTOWN RD	69+15.85	LT	10.00
JUGTOWN RD	70+72.98	RT	10.00
JUGTOWN RD	70+88.78	RT	10.00
JUGTOWN RD	70+91.83	RT	10.00
STAFF LOT	1600+94.48	LT	16.00
VISITOR CENTER	803+31.35	RT	20.00
VISITOR CENTER	804+47.63	RT	15.00
DAY USE LOT	-	RT/LT	20.00
ROUNDED TOTAL			131

PAVEMENT REMOVAL

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
MAIN PARK RD	124+66.12	130+25.89	RT/LT	14,080.53
ROUNDED TOTAL				14,081

HOT-MIX ASPHALT SURFACE REMOVAL, 2"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
JUGTOWN RD	55+03.32	71+30.20	RT/LT	5,643.18
LOOP RD	200+41.37	223+66.92	RT/LT	6,588.74
ROUNDED TOTAL				12,232

COMBINATION CURB AND GUTTER REMOVAL

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
MAIN PARK RD	124+44.63	130+28.29	RT/LT	1,581.88
ROUNDED TOTAL				1,582

SIDEWALK REMOVAL

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ FT)
JUGTOWN RD	68+06.23	69+19.36	LT	1,054.88
JUGTOWN RD	70+73.11	70+96.82	RT	235.34
LOOP RD	219+31.11	219+50.46	RT	100.00
VISITOR CENTER	803+21.67	803+34.41	RT	190.54
ROUNDED TOTAL				1,581

AGGREGATE WEDGE SHOULDER, TYPE B

ALIGNMENT	FROM STATION	TO STATION	LT/RT	TON
MAIN PARK RD	100+10.73	123+71.55	LT	46.51
MAIN PARK RD	100+12.31	115+69.17	RT	31.13
MAIN PARK RD	116+84.04	124+27.66	RT	15.07
ROUNDED TOTAL				93

CONCRETE REMOVAL

ALIGNMENT	FROM STATION	TO STATION	LT/RT	VOLUME (CU YD)
LOOP RD	219+50.32	219+68.70	RT	14.22
ROUNDED TOTAL				15.0

CONCRETE HEADWALL REMOVAL

ALIGNMENT	STATION	LT/RT	EACH
MAIN PARK RD	123+48.10	RT	1
MAIN PARK RD	124+83.57	RT	1
MAIN PARK RD	127+13.75	LT	1
MAIN PARK RD	128+72.25	LT	1
MAIN PARK RD	130+11.16	LT	1
MAIN PARK RD	130+94.79	RT	1
TOTAL			6

HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/2"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
MAIN PARK RD	100+61.37	124+66.12	RT/LT	5,804.27
ROUNDED TOTAL				5,805

PIPE CULVERT REMOVAL

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
MAIN PARK RD	100+61.72	-	RT/LT	46.29
MAIN PARK RD	123+99.76	-	RT/LT	67.45
LOOP RD	200+25.04	-	RT/LT	86.70
LOOP RD	218+91.79	-	RT/LT	36.74
MAINTENANCE YARD RD	306+31.69	-	RT/LT	50.09
ARCHERY LOT	401+80.17	-	RT/LT	32.14
COLLINS RD	901+03.01	901+50.84	RT	55.61
COLLINS RD	903+37.61	903+92.97	RT	55.65
DAY USE LOT	-	-	RT/LT	24.16
ROUNDED TOTAL				455

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"

ALIGNMENT	STATION	LT/RT	EACH
LOOP RD	218+90.84	LT	1
LOOP RD	218+92.84	RT	1
COLLINS RD	901+01.39	RT	1
COLLINS RD	901+50.84	RT	1
COLLINS RD	903+40.66	RT	1
COLLINS RD	903+96.81	RT	1
TOTAL			6

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"

ALIGNMENT	STATION	LT/RT	EACH
ARCHERY LOT	401+79.66	LT	1
ARCHERY LOT	401+80.80	RT	1
DAY USE LOT	-	RT/LT	2
TOTAL			4

PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"

ALIGNMENT	STATION	LT/RT	EACH
JUGTOWN RD	67+40.66	LT	1
JUGTOWN RD	67+87.28	LT	1
TOTAL			2

CLASS S1 CONCRETE (OUTLET)

ALIGNMENT	FROM STATION	TO STATION	LT/RT	VOLUME (CU YD)
MAIN PARK RD	124+48.13	124+95.28	LT	4.55
ROUNDED TOTAL				5

PRECAST REINFORCED CONCRETE FLARED END SECTIONS,
EQUIVALENT ROUND-SIZE 24"

ALIGNMENT	STATION	LT/RT	EACH
MAIN PARK RD	100+61.23	RT	1
MAIN PARK RD	100+62.38	LT	1
MAIN PARK RD	123+99.27	RT	1
MAIN PARK RD	124+00.35	LT	1
LOOP RD	200+24.63	RT	1
LOOP RD	200+25.47	LT	1
MAINTENANCE YARD RD	306+29.82	RT	1
MAINTENANCE YARD RD	306+33.33	LT	1
TOTAL			8

PIPE CULVERTS, CLASS A, TYPE 1 12"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
LOOP RD	218+91.79	-	RT/LT	38.00
COLLINS RD	901+01.39	901+50.84	RT	50.00
COLLINS RD	903+40.66	903+96.81	RT	57.00
ROUNDED TOTAL				145

PIPE CULVERTS, CLASS A, TYPE 1 15"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
ARCHERY LOT	401+80.17	-	RT/LT	66.00
DAY USE LOT	-	-	RT/LT	63.00
ROUNDED TOTAL				129

PIPE CULVERTS, CLASS A, TYPE 1, EQUIVALENT ROUND-SIZE 24"

ALIGNMENT	FROM STATION	LT/RT	FOOT
MAIN PARD RD	100+61.72	RT/LT	46.00
MAIN PARD RD	123+99.76	RT/LT	68.00
LOOP RD	200+25.04	RT/LT	87.00
MAINTENANCE YARD RD	306+31.69	RT/LT	48.00
ROUNDED TOTAL			249

REMOVING INLETS

ALIGNMENT	STATION	LT/RT	EACH
MAIN PARK RD	123+48.10	RT	1
MAIN PARK RD	124+83.57	RT	1
MAIN PARK RD	127+13.75	LT	1
MAIN PARK RD	128+72.25	LT	1
MAIN PARK RD	130+11.16	LT	1
MAIN PARK RD	130+94.79	RT	1
TOTAL			6

COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
DAY USE LOT	-	-	RT/LT	65.00
ROUNDED TOTAL				65

COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.12

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
VISITOR CENTER	800+00.00	807+49.56	RT/LT	1,517.54
STAFF LOT	1600+13.00	1601+60.48	RT/LT	379.68
ROUNDED TOTAL				1,898

PIPE CULVERTS TO BE CLEANED 18"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
MAIN PARK RD	111+47.00	111+67.31	RT	21.7
ROUNDED TOTAL				22

PIPE CULVERTS TO BE CLEANED 24"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
JUGTOWN RD	67+40.73	67+87.28	LT	46.42
ROUNDED TOTAL				47

PIPE CULVERTS TO BE CLEANED, EQUIVALENT ROUND-SIZE 24"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
MAIN PARK RD	111+90.32	112+41.03	LT	47.93
ROUNDED TOTAL				48

REMOVE CONCRETE END SECTION

ALIGNMENT	STATION	LT/RT	EACH
COLLINS RD	901+03.01	RT	1
COLLINS RD	901+58.28	RT	1
COLLINS RD	903+37.66	RT	1
COLLINS RD	903+92.97	RT	1
TOTAL			4

PARKING LOT SEAL COAT

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
JUGTOWN RD	67+25.44	69+74.76	LT	9,125.08
JUGTOWN RD	68+92.93	70+96.82	RT	2,133.83
ROUNDED TOTAL				11,259

MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS

ALIGNMENT	STATION	LT/RT	AREA (SQ FT)
STAFF LOT	1601+03.36	LT	3.10
VISITOR CENTER	802+77.27	RT	11.50
VISITOR CENTER	802+77.27	LT	11.50
VISITOR CENTER	803+41.75	RT	3.10
VISITOR CENTER	804+51.11	RT	11.50
VISITOR CENTER	805+26.06	RT	11.50
VISITOR CENTER	806+34.97	RT	11.50
VISITOR CENTER	807+33.85	LT	15.60
VISITOR CENTER	807+36.78	RT	15.60
JUGTOWN RD	67+05.95	LT	15.60
JUGTOWN RD	67+23.79	LT	15.60
JUGTOWN RD	67+61.91	LT	11.50
JUGTOWN RD	67+79.21	LT	26.00
JUGTOWN RD	68+36.15	LT	3.10
JUGTOWN RD	68+42.54	LT	3.10
JUGTOWN RD	69+00.77	LT	3.10
JUGTOWN RD	69+07.03	LT	3.10
JUGTOWN RD	69+41.22	LT	11.50
JUGTOWN RD	69+26.60	RT	11.50
JUGTOWN RD	69+40.01	RT	11.50
JUGTOWN RD	70+68.32	RT	3.10
JUGTOWN RD	70+83.93	RT	3.10
JUGTOWN RD	67+15.26	RT	15.60
JUGTOWN RD	67+71.39	RT	11.5
DAY USE LOT	-	RT/LT	3.10
PRAIRIE LOOP	216+23.41	RT	3.10
PRAIRIE LOOP	220+22.81	RT	3.10
ARCHERY LOT	400+39.24	LT	3.10
COLLINS LOT	901+37.51	RT	3.10
COLLINS LOT	901+57.47	RT	3.10
ROUNDED TOTAL			526

*TWO APPLICATIONS

MODIFIED URETHANE PAVEMENT MARKING - LINE 4"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
MAIN PARK RD	100+54.25	115+69.22	LT/RT	3,029.92
MAIN PARK RD	116+84.02	123+71.54	LT/RT	1,375.02
VISITOR CENTER	800+00.00	800+15.11	LT/RT	30.22
VISITOR CENTER	800+85.35	801+29.60	LT/RT	88.50
VISITOR CENTER	802+46.35	803+36.35	LT	200.00
VISITOR CENTER	802+46.35	803+16.35	RT	160.00
VISITOR CENTER	803+26.35	803+36.35	RT	159.85
VISITOR CENTER	804+06.35	804+71.17	RT	128.41
VISITOR CENTER	804+06.35	804+71.17	RT	334.30
VISITOR CENTER	805+09.46	806+45.46	RT	160.00
VISITOR CENTER	805+09.46	806+45.46	RT	58.00
VISITOR CENTER	805+09.46	806+45.46	LT	222.00
VISITOR CENTER	806+45.46	807+27.24	RT	539.92
VISITOR CENTER	807+26.70	807+49.56	LT/RT	222.78
STAFF LOT	1600+48.48	1600+78.48	LT	80.00
STAFF LOT	1600+88.48	1600+98.48	LT	159.85
STAFF LOT	1601+08.48	1601+18.48	LT	40.00
STAFF LOT	1601+28.48	1601+60.48	LT/RT	635.99
DAY USE LOT	-	-	LT/RT	776.18
JUG TOWN RD	56+48.36	66+69.86	LT/RT	2,043.40
JUGTOWN RD	67+25.44	69+74.76	LT	4,746.60
JUGTOWN RD	67+25.44	69+74.76	LT	1,315.59
JUGTOWN RD	68+93.39	70+96.82	RT	737.53
JUGTOWN RD	70+72.99	70+96.82	RT	270.61
LOOP RD	216+08.96	216+27.27	RT	166.10
LOOP RD	216+35.23	217+38.78	RT	351.02
LOOP RD	219+19.23	220+08.81	RT	264.38
LOOP RD	220+17.67	220+39.88	RT	179.39
LOOP RD	222+18.43	223+05.76	RT	293.75
ARCHERY LOT	400+34.56	401+44.56	LT	200.00
ARCHERY LOT	400+14.56	401+34.56	LT	467.94
COLLINS RD	901+20.60	901+61.64	RT	358.10
COLLINS RD	901+48.87	903+66.88	RT	840.00
ROUNDED TOTAL				41,272

*TWO APPLICATIONS

MODIFIED URETHANE PAVEMENT MARKING - LINE 6"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
JUGTOWN RD	69+17.48	69+45.10	LT	51.10
ROUNDED TOTAL				104

*TWO APPLICATIONS

MODIFIED URETHANE PAVEMENT MARKING - LINE 12"

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
JUGTOWN RD	69+17.48	69+45.10	LT	48.00
ROUNDED TOTAL				96

*TWO APPLICATIONS

MODIFIED URETHANE PAVEMENT MARKING - LINE 24"

ALIGNMENT	STATION	LT/RT	FOOT
MAIN PARK RD	100+54.25	LT	11.22
JUGTOWN RD	55+54.47	RT	9.14
JUGTOWN RD	56+48.28	LT	10.29
LOOP RD	200+48.23	LT	11.11
ROUNDED TOTAL			84

*TWO APPLIC

*TWO APPLICATIONS

PAVEMENT MARKING REMOVAL - WATER BLASTING

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ FT)
COLLINS RD	901+20.60	901+43.65	RT	24.15
ROUNDED TOTAL				25

 LIN ENGINEERING, LTD. Consulting Engineers Westmont, Illinois	USER NAME = 14nho	DESIGNED - NH	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES GOOSE LAKE PRAIRIE STATE NATURAL AREA				F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100,0000' / in.	DRAWN - NH	REVISED -						IDNR	GLP 25	GRUNDY	87	13
	PLOT DATE = 2/20/2025	CHECKED - RC	REVISED -		IDNR NO. 2-23-004		CONTRACT NO. 46940						
		DATE - 2/20/25	REVISED -		SCALE: N.T.S.	SHEET 4 OF 7 SHEETS	STA.	TO STA.					

INLET AND PIPE PROTECTION

ALIGNMENT	STATION	LT/RT	EACH
JUGTOWN RD	23+24.74	LT	1
JUGTOWN RD	23+92.60	LT	1
COLLINS RD	901+00.00	RT	1
COLLINS RD	901+50.00	RT	1
COLLINS RD	903+39.21	RT	1
COLLINS RD	903+97.78	RT	1
DAY USE LOT	-	RT/LT	2
MAIN PARK RD	115+80.65	RT	1
MAIN PARK RD	116+71.95	RT	1
MAIN PARK RD	124+00.00	LT	1
MAIN PARK RD	124+00.00	RT	1
MAIN PARK RD	124+40.73	LT	1
MAIN PARK RD	100+62.44	RT	1
MAIN PARK RD	100+62.44	LT	1
PRAIRIE LOOP	218+90.76	LT	1
PRAIRIE LOOP	218+90.76	RT	1
TOTAL			17

REMOVE EXISTING GATE

ALIGNMENT	STATION	LT/RT	EACH
ARCHERY LOT	401+69.70	RT/LT	1
JUGTOWN RD	56+74.72	RT/LT	1
MAIN PARK RD	100+55.59	RT/LT	1
MAINTENANCE YARD RD	306+03.60	RT/LT	1
DAY USE LOT	-	-	1
TOTAL			5

TRAFFIC COUNTER

ALIGNMENT	STATION	LT/RT	EACH
COLLINS RD	901+43.86	RT	1
TOTAL			1

REMOVAL OF EXISTING WOOD BOLLARDS

ALIGNMENT	STATION	LT/RT	EACH
DAY USE LOT	-	RT/LT	7
TOTAL			7

TEMPORARY DITCH CHECKS

ALIGNMENT	STATION	LT/RT	FOOT
JUGTOWN RD	21+00.00	LT	5.50
JUGTOWN RD	23+00.00	LT	5.50
ARCHERY LOT	400+50.00	RT	8.00
ARCHERY LOT	400+50.00	LT	13.00
ARCHERY LOT	401+50.00	RT	8.00
ARCHERY LOT	401+50.00	LT	13.00
COLLINS RD	900+78.21	RT	14.00
COLLINS RD	902+00.00	RT	14.00
COLLINS RD	904+09.30	RT	14.00
DAY USE LOT	-	LT/RT	26.00
MAIN PARK RD	115+47.98	RT	12.00
MAIN PARK RD	116+01.64	RT	12.00
MAIN PARK RD	117+00.83	RT	12.00
MAIN PARK RD	118+99.44	RT	12.00
MAIN PARK RD	120+99.25	RT	12.00
MAIN PARK RD	122+99.17	RT	12.00
MAIN PARK RD	123+60.88	LT	12.00
MAIN PARK RD	124+02.19	LT	12.00
MAIN PARK RD	124+31.94	LT	12.00
MAIN PARK RD	124+66.11	LT	12.00
VISITOR CENTER	807+27.47	RT	10.00
PR DITCH 02	501+00.00	LT/RT	8.00
PR DITCH 02	503+00.00	LT/RT	8.00
PR DITCH 02	505+00.00	LT/RT	8.00
JUGTOWN RD	55+70.69	RT	13.50
JUGTOWN RD	57+00.00	RT	13.50
JUGTOWN RD	59+00.00	RT	13.50
MAIN PARK RD	100+83.75	LT	12.00
MAIN PARK RD	100+83.75	RT	12.00
PRAIRIE LOOP	218+65.65	LT	17.00
PRAIRIE LOOP	219+22.18	LT	17.00
LOOP DITCH	1501+00.00	LT/RT	8.00
ROUNDED TOTAL			382

RELOCATE EXISTING TRAFFIC SIGNAL EQUIPMENT

ALIGNMENT	STATION	LT/RT	EACH
ARCHERY LOT	401+72.92	RT	1
TOTAL			1

PERIMETER EROSION BARRIER

ALIGNMENT	FROM STATION	TO STATION	LT/RT	FOOT
ARCHERY LOT	400+00.00	400+24.11	LT/RT	107.27
COLLINS RD	901+03.07	901+11.28	RT	61.66
COLLINS RD	901+53.20	903+90.33	RT	333.61
DAY USE LOT	-	-	LT/RT	628.58
VISITOR CENTER	800+00.00	806+46.00	RT	975.51
ROUNDED TOTAL				2,107

REMOVAL OF LIGHTING UNIT, NO SALVAGE

ALIGNMENT	STATION	LT/RT	EACH
MAIN PARK RD	125+33.12	RT	1
MAIN PARK RD	125+88.04	RT	1
MAIN PARK RD	126+69.48	RT	1
MAIN PARK RD	127+09.48	RT	1
MAIN PARK RD	127+55.66	RT	1
MAIN PARK RD	128+00.90	RT	1
MAIN PARK RD	129+04.29	RT	1
TOTAL			7

REMOVAL OF POLE FOUNDATION

ALIGNMENT	STATION	LT/RT	EACH
MAIN PARK RD	125+33.12	RT	1
MAIN PARK RD	125+88.04	RT	1
MAIN PARK RD	126+69.48	RT	1
MAIN PARK RD	127+09.48	RT	1
MAIN PARK RD	127+55.66	RT	1
MAIN PARK RD	128+00.90	RT	1
MAIN PARK RD	129+04.29	RT	1
TOTAL			7

REMOVE EXISTING PARKING BLOCKS

ALIGNMENT	FROM STATION	TO STATION	LT/RT	EACH
ARCHERY LOT	400+11.51	400+50.00	LT	7
COLLINS RD	901+48.87	903+66.45	RT	34
DAY USE LOT	-	-	RT/LT	16
JUGTOWN RD	70+65.86	70+87.68	RT	2
LOOP RD	216+19.32	223+07.59	RT	34
TOTAL				93

EROSION CONTROL TABLE

ALIGNMENT	FROM STATION	TO STATION	LT/RT	TOPSOIL FURNISH & PLACE, 8"	SEEDING, CLASS 1	SEEDING, CLASS 1B	SEEDING, CLASS 4A (MODIFIED)	NITROGEN FERTILIZER NUTRIENT	PHOSPHORUS FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH, METHOD 2	EROSION CONTROL BLANKET	HEAVY DUTY EROSION CONTROL BLANKET
				SQ YD	ACRE	ACRE	ACRE	POUND	POUND	POUND	ACRE	SQ YD	SQ YD
JUGTOWN RD	20+50.00	23+48.31	LT	438.71		0.09		9.00	9.00	9.00	0.01	438.71	89.04
JUGTOWN RD	23+72.40	24+36.46	LT	92.56		0.02		2.00	2.00	2.00		56.33	36.25
JUGTOWN RD	55+61.31	55+93.51	RT	114.84		0.02		3.00	3.00	3.00	0.02		
JUGTOWN RD	56+19.30	56+44.83	RT	94.44		0.02		2.00	2.00	2.00	0.02		
JUGTOWN RD	56+20.62	60+00.00	RT	809.75		0.17		16.00	16.00	16.00		513.59	296.70
JUGTOWN RD	68+03.12	69+20.43	LT	176.04	0.04			4.00	4.00	4.00	0.04		
MAIN PARK RD	115+00.00	116+16.12	RT	388.42		0.08		8.00	8.00	8.00	0.08		
MAIN PARK RD	116+45.49	124+00.00	RT	1,660.43		0.34		31.00	31.00	31.00		1,094.62	565.40
MAIN PARK RD	123+37.64	124+12.00	LT	446.86		0.09		9.00	9.00	9.00		446.86	
MAIN PARK RD	124+20.72	124+71.94	LT	280.35		0.06		6.00	6.00	6.00		280.35	
PRAIRIE LOOP	218+49.24	219+32.16	LT	266.18		0.05		5.00	5.00	5.00	0.05		
ARCHERY LOT	400+00.00	401+74.56	LT/RT	700.57	0.14			14.00	14.00	14.00	0.12	100.49	
PR DITCH 02	500+00.00	505+35.50	LT/RT	959.28			0.20	19.00	19.00	19.00		832.23	127.07
VISITOR CENTER	800+00.00	803+37.24	RT	1,523.79			0.31	30.00	30.00	30.00	0.31		
VISITOR CENTER	800+00.00	803+44.72	RT	168.26			0.03	4.00	4.00	4.00	0.03		
VISITOR CENTER	800+00.00	806+99.81	LT	604.05			0.12	12.00	12.00	12.00		604.05	
VISITOR CENTER	800+25.54	803+78.00	RT	1,622.64	0.34			33.00	33.00	33.00	0.34		
VISITOR CENTER	800+63.14	803+79.40	RT	1,231.22	0.25			23.00	23.00	23.00	0.25		
VISITOR CENTER	802+06.57	804+51.10	LT	390.16			0.08	8.00	8.00	8.00	0.08		
VISITOR CENTER	803+44.72	804+51.41	RT	931.64	0.19			18.00	18.00	18.00	0.19		
VISITOR CENTER	804+49.24	806+41.20	RT	4,437.12			0.92	84.00	84.00	84.00	0.92		
VISITOR CENTER	804+50.80	804+58.44	RT	178.08			0.04	4.00	4.00	4.00	0.04		
VISITOR CENTER	806+46.18	806+49.33	LT	49.08			0.01	1.00	1.00	1.00		49.08	
COLLINS RD	900+00.00	901+16.45	RT	356.99		0.07		7.00	7.00	7.00		22.31	134.84
COLLINS RD	901+03.07	901+16.60	RT	81.19	0.02			2.00	2.00	2.00	0.02		
COLLINS RD	901+36.31	903+59.75	RT	508.44		0.11		10.00	10.00	10.00		348.00	160.70
COLLINS RD	901+36.44	903+58.86	RT	542.12	0.11			11.00	11.00	11.00	0.11		
COLLINS RD	901+52.33	903+90.33	RT	440.51	0.09			9.00	9.00	9.00	0.09		
COLLINS RD	903+78.69	904+36.32	RT	138.64		0.03		3.00	3.00	3.00		138.64	
LOOP DITCH	1500+30.15	1500+51.09	LT/RT	40.80		0.01		1.00	1.00	1.00	0.01		
LOOP DITCH	1500+51.09	1501+34.83	LT/RT	133.66			0.03	3.00	3.00	3.00	0.03		
DAY USE LOT	-	-	LT/RT	776.32	0.09	0.07		16.00	16.00	16.00	0.09		337.26
ROUNDED TOTAL				20,584	1.50	1.25	1.75	410	410	410	3.00	4,926	1,748

PRECAST CONCRETE PARKING BLOCK

ALIGNMENT	FROM STATION	TO STATION	LT/RT	EACH
ARCHERY LOT	400+24.56	401+44.56	LT	11
DAY USE LOT	-	-	RT/LT	19
COLLINS RD	901+33.79	903+65.52	RT	43
JUGTOWN RD	70+65.86	70+87.68	RT	2
LOOP RD	216+19.32	223+07.59	RT	34
TOTAL				109

TUBULAR STEEL GATE

ALIGNMENT	FROM STATION	TO STATION	LT/RT	EACH
JUGTOWN RD	57+00.00	-	RT/LT	1
MAIN PARK RD	100+57.13	-	RT/LT	1
MAINTENANCE YARD RD	306+04.55	-	RT/LT	1
ARCHERY LOT	401+68.97	-	RT/LT	1
COLLINS RD	901+14.94	901+38.72	RT	1
COLLINS RD	903+54.90	903+78.44	RT	1
DAY USE LOT	-	-	RT/LT	1
TOTAL				7

REMOVE AND RELOCATE FLAGPOLE

ALIGNMENT	STATION	LT/RT	EACH
VISITOR CENTER	803+99.47	RT	1
TOTAL			1

REMOVE AND SALVAGE SIGN PANEL

ALIGNMENT	FROM STATION	LT/RT	EACH
VISITOR CENTER	800+63.55	LT	1
VISITOR CENTER	806+54.96	RT	1
VISITOR CENTER	807+49.56	RT	1
DAY USE LOT	-	LT	1
TOTAL			4

SIGN PANEL - TYPE 2

ALIGNMENT	STATION	LT/RT	AREA (SQ FT)
VISITOR CENTER	802+11.57	LT	12.00
ROUNDED TOTAL			12

EXPLORATION TRENCH (SPECIAL)

ALIGNMENT	STATION	STATION	LT/RT	FOOT
MAIN PARK RD	119+88.50	121+02.27	RT	128.44
MAIN PARK RD	122+94.59	123+32.66	RT	59.23
ROUNDED TOTAL				188

CLEARING AND GRUBBING

ALIGNMENT	FROM STATION	TO STATION	LT/RT	AREA (SQ YD)
ARCHERY LOT	400+51.61	401+89.17	LT	82.28
ARCHERY LOT	401+44.56	401+90.52	RT	27.07
COLLINS RD	903+74.98	903+81.36	RT	2.99
ROUNDED TOTAL				113

FURNISHING AND PLACING SAND FILL

ALIGNMENT	FROM STATION	TO STATION	LT/RT	VOLUME (CU YD)
LOOP RD	219+50.32	219+68.70	RT	14.22
ROUNDED TOTAL				15

SIGN PANEL - TYPE 1

ALIGNMENT	STATION	LT/RT	AREA (SQ FT)
VISITOR CENTER	802+11.57	LT	6.25
VISITOR CENTER	803+37.56	RT	1.50
VISITOR CENTER	803+37.56	RT	0.50
VISITOR CENTER	807+38.22	RT	6.25
STAFF LOT	1600+25.03	RT	5.00
STAFF LOT	1600+98.48	LT	1.50
STAFF LOT	1600+98.48	LT	0.50
STAFF LOT	1601+60.48	RT/LT	5.00
ARCHERY LOT	400+34.60	LT	1.50
ARCHERY LOT	400+34.60	LT	0.50
DAY USE LOT	-	RT/LT	1.50
DAY USE LOT	-	RT/LT	0.50
ROUNDED TOTAL			31

REMOVE AND RELOCATE SIGN PANEL - TYPE 1

ALIGNMENT	STATION	LT/RT	AREA (SQ FT)
COLLINS RD	901+32.87	RT	1.50
COLLINS RD	901+32.87	RT	0.50
COLLINS RD	901+42.60	RT	1.50
COLLINS RD	901+42.60	RT	0.50
JUGTOWN RD	68+71.98	LT	1.50
JUGTOWN RD	68+71.98	LT	0.50
JUGTOWN RD	68+77.72	LT	1.50
JUGTOWN RD	68+77.72	LT	0.50
TOTAL			8

TELESCOPING STEEL SIGN SUPPORT

ALIGNMENT	STATION	LT/RT	FOOT
VISITOR CENTER	803+37.56	RT	12.00
STAFF LOT	1600+98.48	LT	12.00
COLLINS RD	901+32.87	RT	12.00
COLLINS RD	901+42.60	RT	12.00
JUGTOWN RD	68+73.05	LT	12.00
JUGTOWN RD	68+76.28	LT	12.00
ROUNDED TOTAL			72

WOOD SIGN SUPPORT

ALIGNMENT	STATION	LT/RT	FOOT
VISITOR CENTER	802+11.57	LT	12.00
VISITOR CENTER	802+11.57	LT	12.00
VISITOR CENTER	807+38.22	RT	12.00
STAFF LOT	1600+25.03	RT	12.00
STAFF LOT	1601+60.48	RT/LT	12.00
ARCHERY LOT	400+34.60	LT	12.00
DAY USE LOT	-	RT/LT	12.00
ROUNDED TOTAL			84

BASE FOR TELESCOPING STEEL SIGN SUPPORT

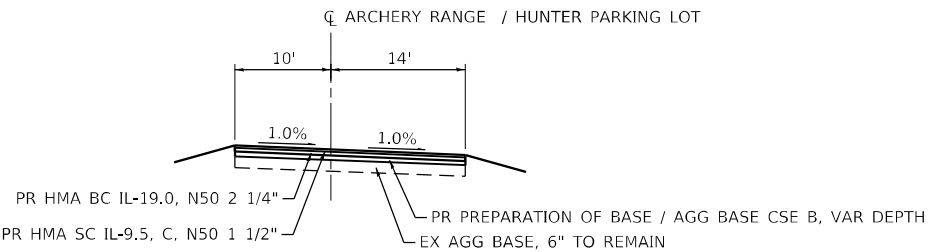
ALIGNMENT	STATION	LT/RT	EACH
VISITOR CENTER	803+37.56	RT	1
STAFF LOT	1600+98.48	LT	1
COLLINS RD	901+32.87	RT	1
COLLINS RD	901+42.60	RT	1
JUGTOWN RD	68+73.05	LT	1
JUGTOWN RD	68+76.28	LT	1
TOTAL			6

REMOVE AND RE-ERECT EXISTING SIGN

ALIGNMENT	STATION	LT/RT	EACH
ARCHERY LOT	401+61.24	LT	1
DAY USE LOT	-	LT	1
TOTAL			2

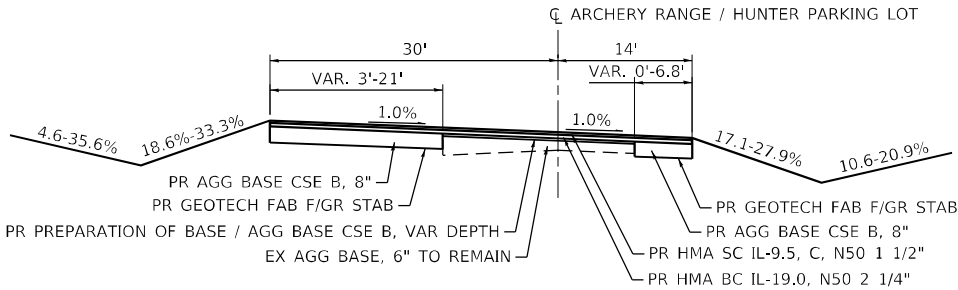
REMOVE SIGN PANEL ASSEMBLY- TYPE A

ALIGNMENT	FROM STATION	LT/RT	EACH
VISITOR CENTER	800+63.55	LT	1
VISITOR CENTER	806+54.96	RT	1
VISITOR CENTER	807+49.56	RT	1
DAY USE LOT	-	LT	1
TOTAL			4



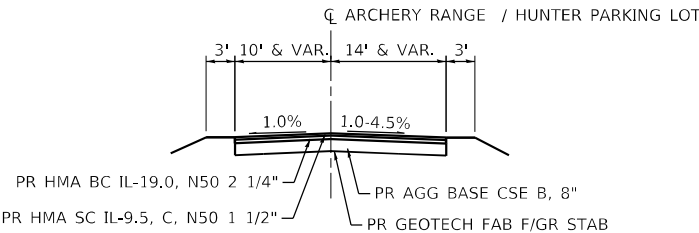
ARCHERY RANGE / HUNTER PARKING LOT

LOOKING EAST
STA 400+14.56 TO STA 400+24.56



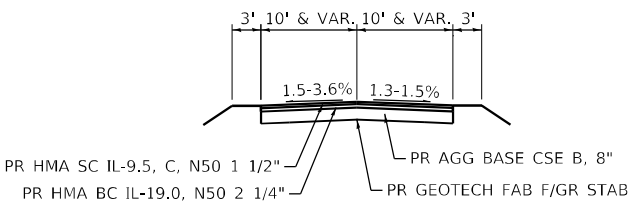
ARCHERY RANGE / HUNTER PARKING LOT

LOOKING EAST
STA 400+24.56 TO STA 401+44.56



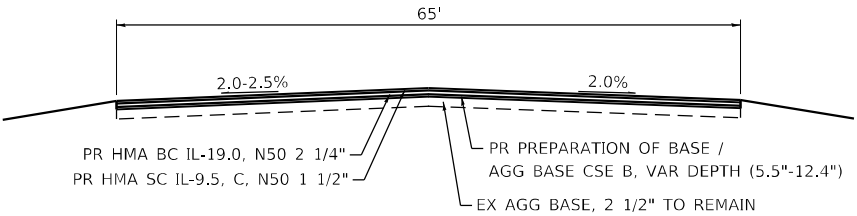
ARCHERY RANGE / HUNTER PARKING LOT

LOOKING EAST
STA 401+44.56 TO STA 401+89.67



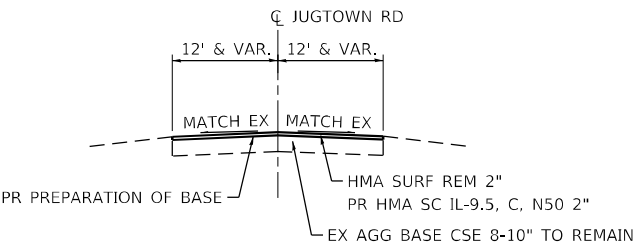
JUGTOWN ROAD DAY USE PARKING LOT DRIVEWAY

LOOKING EAST



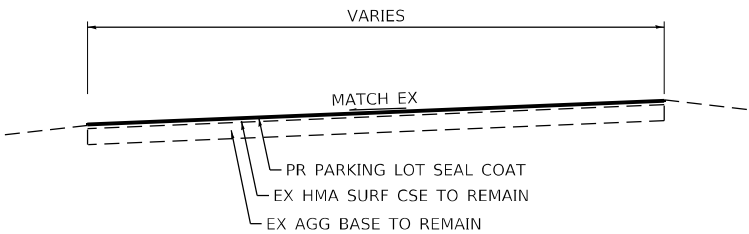
JUGTOWN ROAD DAY USE PARKING LOT

LOOKING EAST



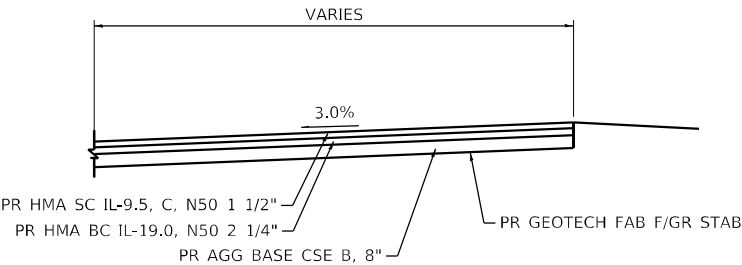
JUGTOWN ROAD

LOOKING NORTH
STA 55+03.32 TO STA 71+30.20



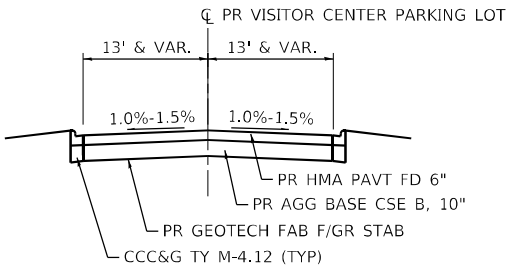
HEIDECKE BOAT LAUNCH WEST AND EAST PARKING LOTS

LOOKING NORTH



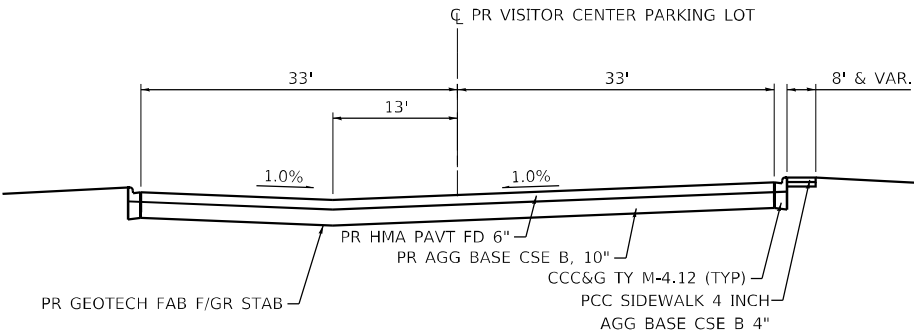
PROPOSED COLLINS ROAD BANK FISHING PARKING LOT

LOOKING EAST
STA 901+00.42 TO STA 903+95.69



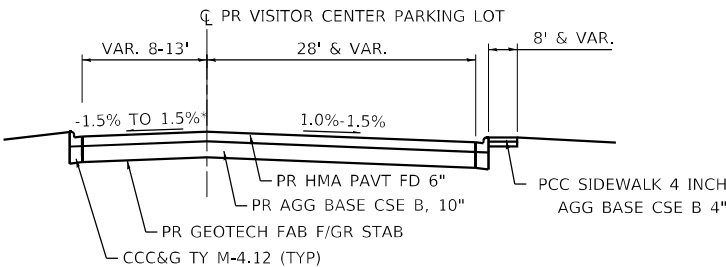
PROPOSED VISITORS CENTER PARKING LOT

LOOKING NORTH
STA 800+00.00 TO STA 802+31.07



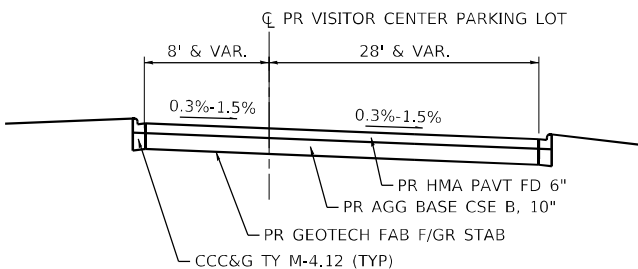
PROPOSED VISITORS CENTER PARKING LOT

LOOKING EAST
STA 802+31.07 TO STA 803+46.35



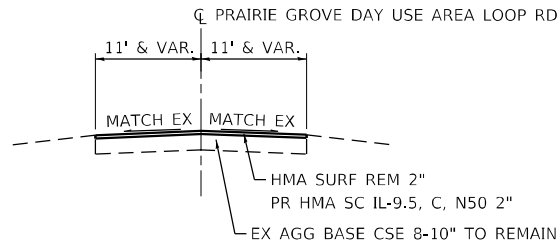
PROPOSED VISITORS CENTER PARKING LOT

LOOKING NORTH
STA 803+46.35 TO STA 804+86.46
* LT CROSS SLOPE TRANSITIONS FROM 1.5% TO -1.5% FROM
STA 804+06.35 TO STA 804+86.48



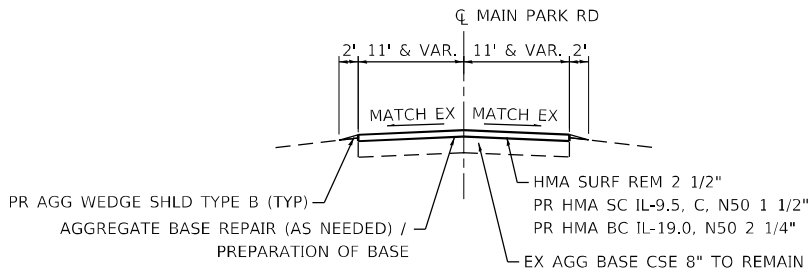
PROPOSED VISITORS CENTER PARKING LOT

LOOKING WEST
STA 804+86.46 TO STA 807+49.56



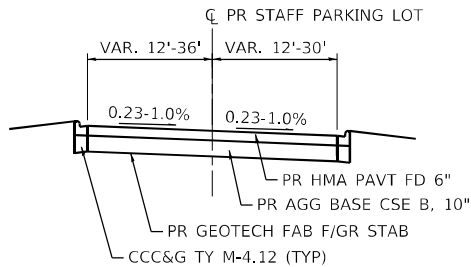
PRAIRIE GROVE DAY USE AREA LOOP

LOOKING SOUTH
STA 200+11.37 TO STA 223+66.92



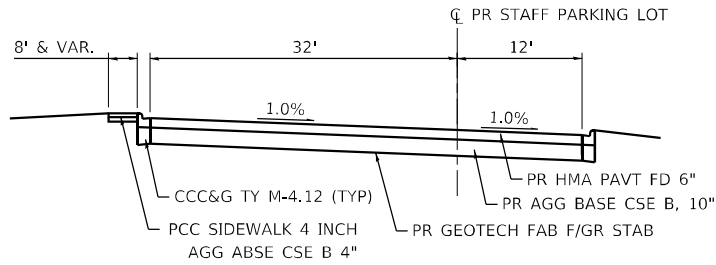
MAIN PARK ROAD

LOOKING EAST
STA 100+11.45 TO STA 124+66.12



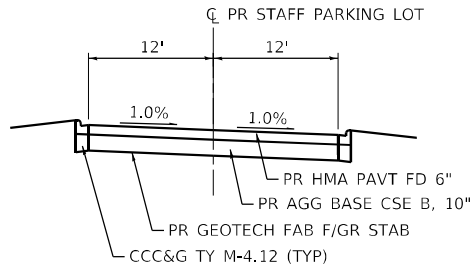
PROPOSED STAFF PARKING LOT

LOOKING EAST
STA 1600+13.00 TO STA 1600+32.54



PROPOSED STAFF PARKING LOT

LOOKING EAST
STA 1600+32.54 TO STA 1601+38.48



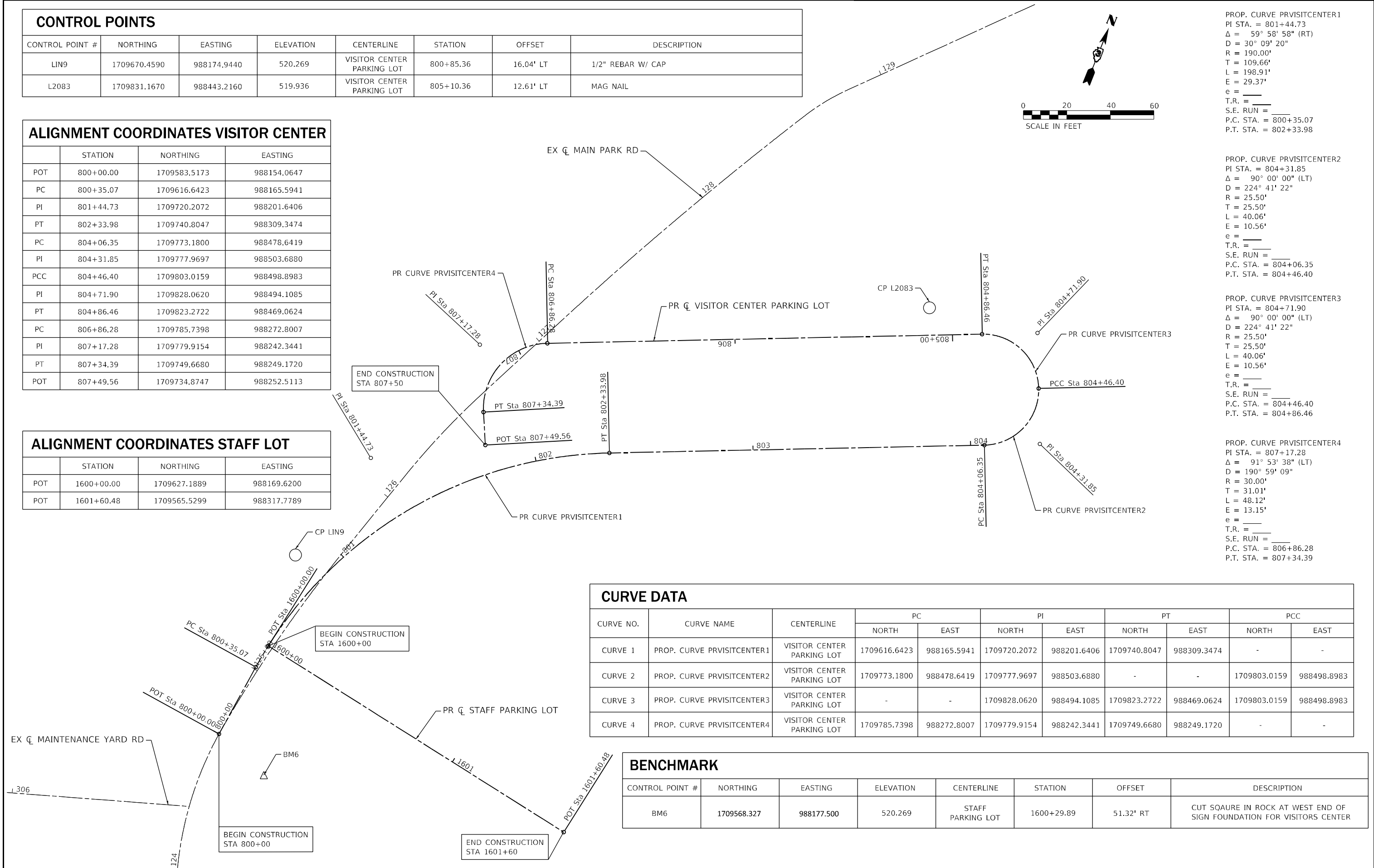
PROPOSED STAFF PARKING LOT

LOOKING EAST
STA 1601+38.48 TO STA 1601+60.48

CONTROL POINTS							
CONTROL POINT #	NORTHING	EASTING	ELEVATION	CENTERLINE	STATION	OFFSET	DESCRIPTION
LIN9	1709670.4590	988174.9440	520.269	VISITOR CENTER PARKING LOT	800+85.36	16.04' LT	1/2" REBAR W/ CAP
L2083	1709831.1670	988443.2160	519.936	VISITOR CENTER PARKING LOT	805+10.36	12.61' LT	MAG NAIL

ALIGNMENT COORDINATES VISITOR CENTER			
	STATION	NORTHING	EASTING
POT	800+00.00	1709583.5173	988154.0647
PC	800+35.07	1709616.6423	988165.5941
PI	801+44.73	1709720.2072	988201.6406
PT	802+33.98	1709740.8047	988309.3474
PC	804+06.35	1709773.1800	988478.6419
PI	804+31.85	1709777.9697	988503.6880
PCC	804+46.40	1709803.0159	988498.8983
PI	804+71.90	1709828.0620	988494.1085
PT	804+86.46	1709823.2722	988469.0624
PC	806+86.28	1709785.7398	988272.8007
PI	807+17.28	1709779.9154	988242.3441
PT	807+34.39	1709749.6680	988249.1720
POT	807+49.56	1709734.8747	988252.5113

ALIGNMENT COORDINATES STAFF LOT			
	STATION	NORTHING	EASTING
POT	1600+00.00	1709627.1889	988169.6200
POT	1601+60.48	1709565.5299	988317.7789



CURVE DATA										
CURVE NO.	CURVE NAME	CENTERLINE	PC		PI		PT		PCC	
			NORTH	EAST	NORTH	EAST	NORTH	EAST	NORTH	EAST
CURVE 1	PROP. CURVE PRVISITCENTER1	VISITOR CENTER PARKING LOT	1709616.6423	988165.5941	1709720.2072	988201.6406	1709740.8047	988309.3474	-	-
CURVE 2	PROP. CURVE PRVISITCENTER2	VISITOR CENTER PARKING LOT	1709773.1800	988478.6419	1709777.9697	988503.6880	-	-	1709803.0159	988498.8983
CURVE 3	PROP. CURVE PRVISITCENTER3	VISITOR CENTER PARKING LOT	-	-	1709828.0620	988494.1085	1709823.2722	988469.0624	1709803.0159	988498.8983
CURVE 4	PROP. CURVE PRVISITCENTER4	VISITOR CENTER PARKING LOT	1709785.7398	988272.8007	1709779.9154	988242.3441	1709749.6680	988249.1720	-	-

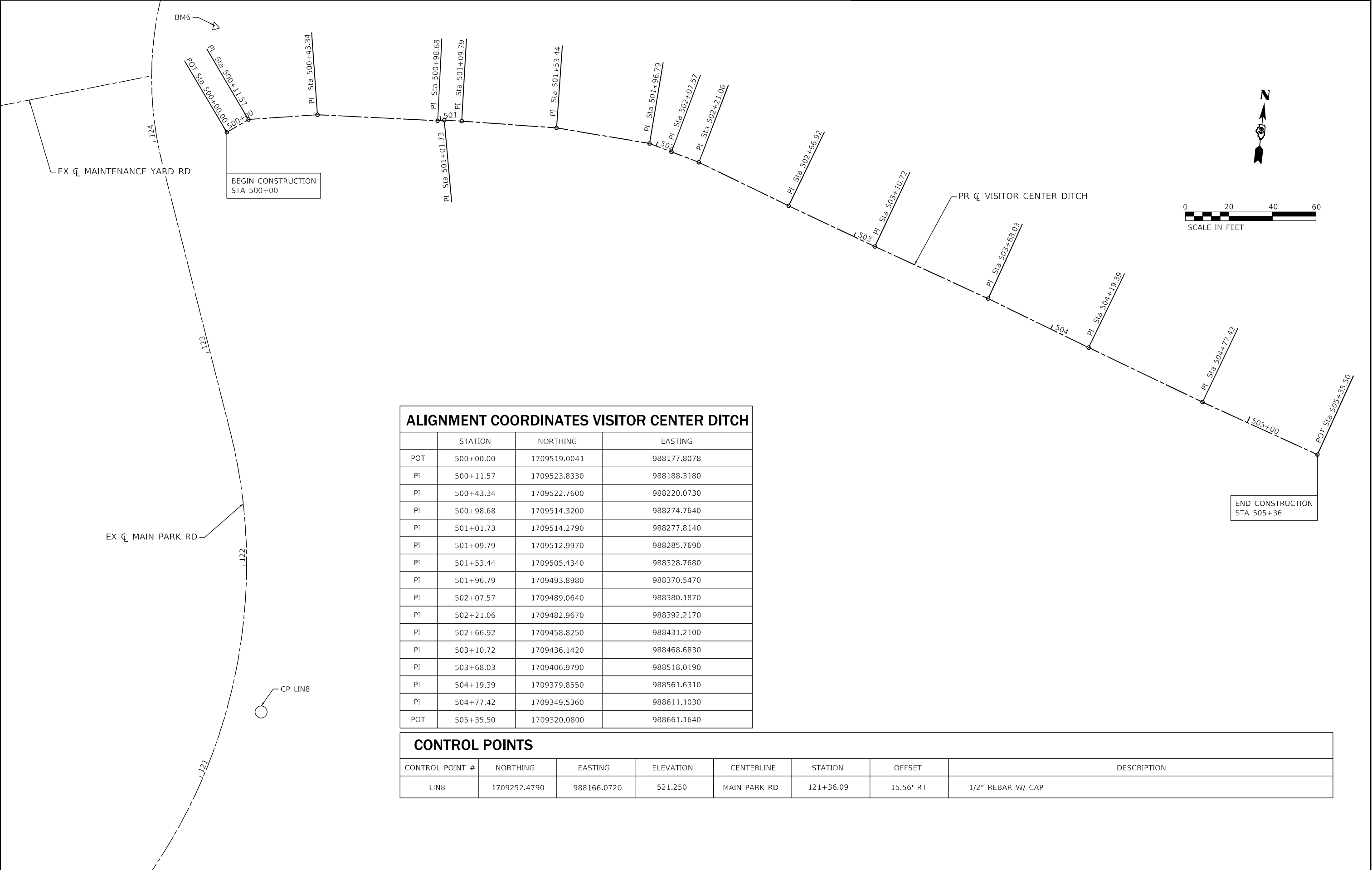
BENCHMARK							
CONTROL POINT #	NORTHING	EASTING	ELEVATION	CENTERLINE	STATION	OFFSET	DESCRIPTION
BM6	1709568.327	988177.500	520.269	STAFF PARKING LOT	1600+29.89	51.32' RT	CUT SQAURE IN ROCK AT WEST END OF SIGN FOUNDATION FOR VISITORS CENTER

PROP. CURVE PRVISITCENTER1
PI STA. = 801+44.73
 Δ = 59° 58' 58" (RT)
D = 30° 09' 20"
R = 190.00'
T = 109.66'
L = 198.91'
E = 29.37'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 800+35.07
P.T. STA. = 802+33.98

PROP. CURVE PRVISITCENTER2
PI STA. = 804+31.85
 Δ = 90° 00' 00" (LT)
D = 224° 41' 22"
R = 25.50'
T = 25.50'
L = 40.06'
E = 10.56'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 804+06.35
P.T. STA. = 804+46.40

PROP. CURVE PRVISITCENTER3
PI STA. = 804+71.90
 Δ = 90° 00' 00" (LT)
D = 224° 41' 22"
R = 25.50'
T = 25.50'
L = 40.06'
E = 10.56'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 804+46.40
P.T. STA. = 804+86.46

PROP. CURVE PRVISITCENTER4
PI STA. = 807+17.28
 Δ = 91° 53' 38" (LT)
D = 190° 59' 09"
R = 30.00'
T = 31.01'
L = 48.12'
E = 13.15'
e = _____
T.R. = _____
S.E. RUN = _____
P.C. STA. = 806+86.28
P.T. STA. = 807+34.39

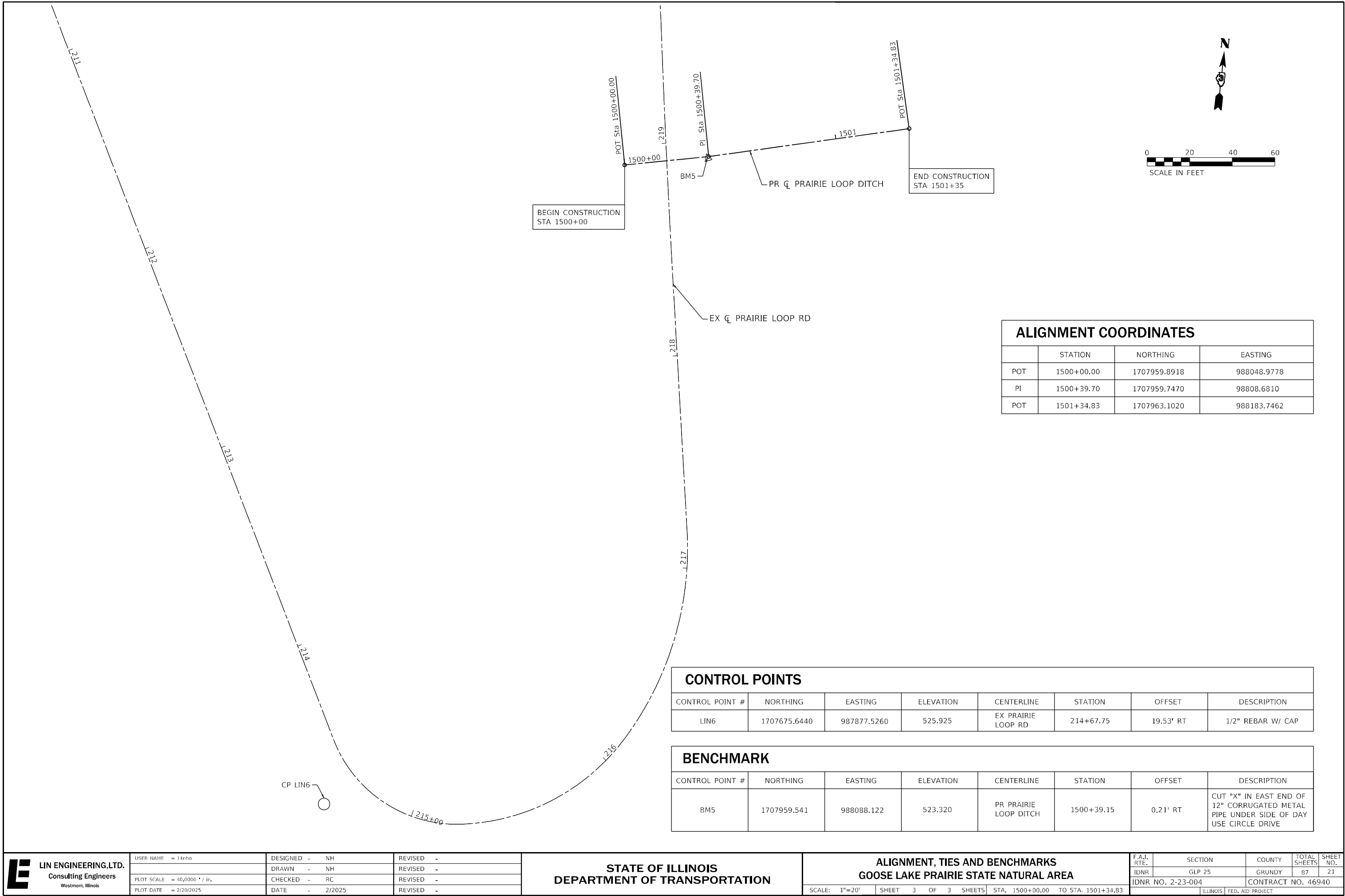


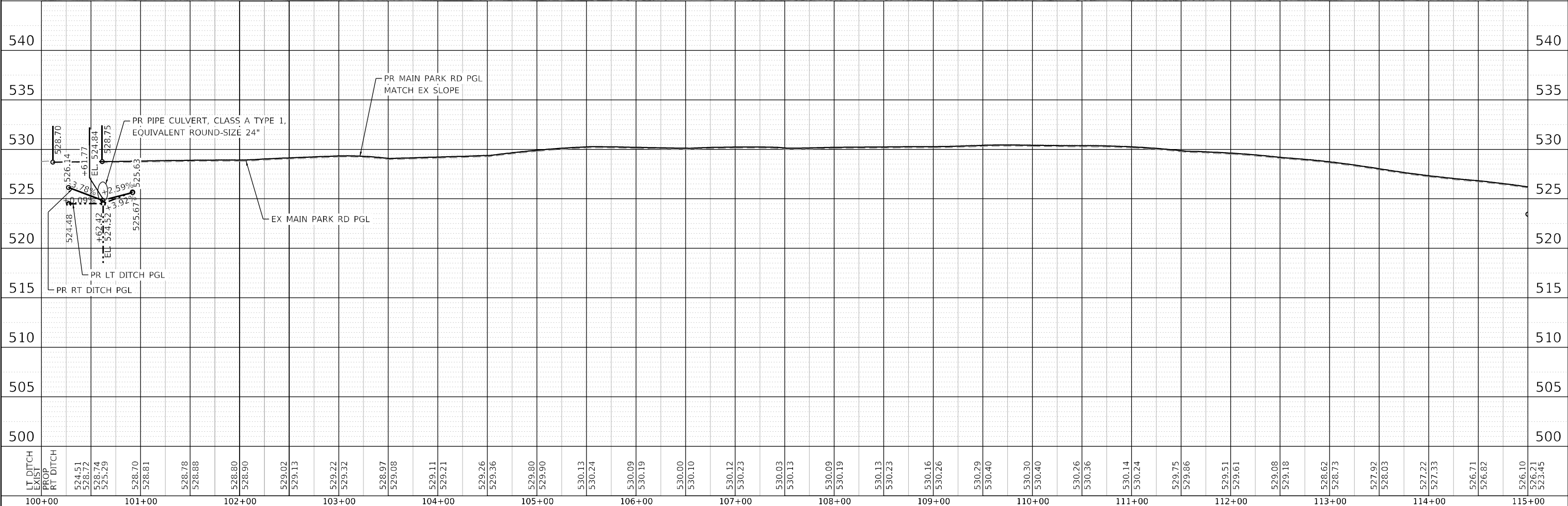
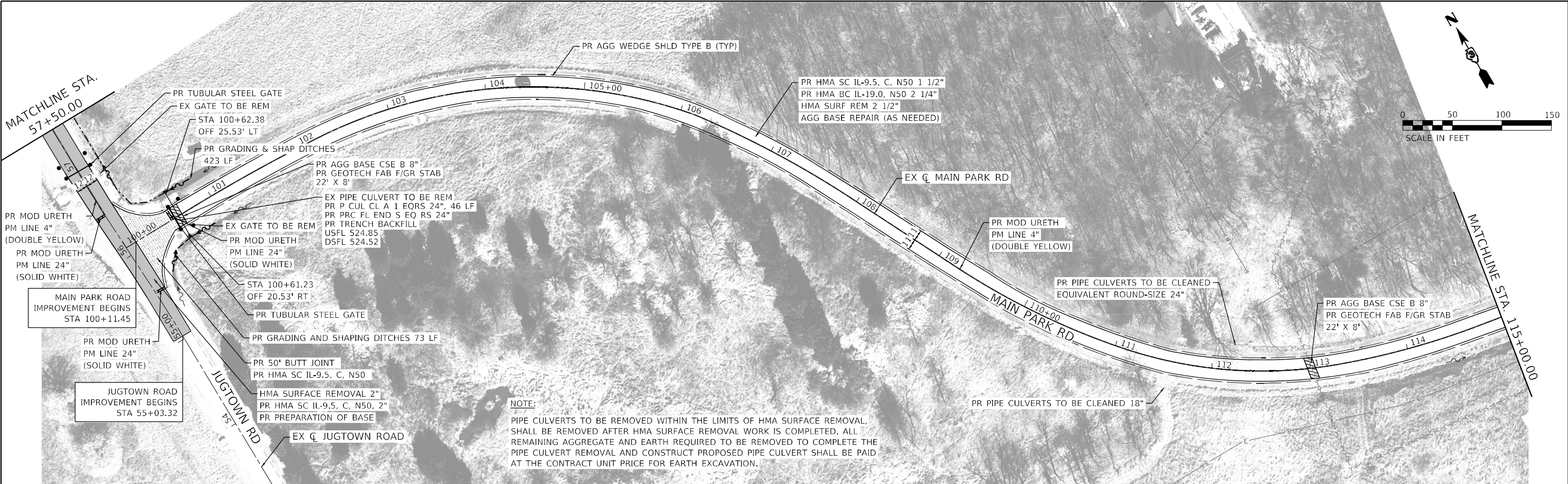
ALIGNMENT COORDINATES VISITOR CENTER DITCH

	STATION	NORTHING	EASTING
POT	500+00.00	1709519.0041	988177.8078
PI	500+11.57	1709523.8330	988188.3180
PI	500+43.34	1709522.7600	988220.0730
PI	500+98.68	1709514.3200	988274.7640
PI	501+01.73	1709514.2790	988277.8140
PI	501+09.79	1709512.9970	988285.7690
PI	501+53.44	1709505.4340	988328.7680
PI	501+96.79	1709493.8980	988370.5470
PI	502+07.57	1709489.0640	988380.1870
PI	502+21.06	1709482.9670	988392.2170
PI	502+66.92	1709458.8250	988431.2100
PI	503+10.72	1709436.1420	988468.6830
PI	503+68.03	1709406.9790	988518.0190
PI	504+19.39	1709379.8550	988561.6310
PI	504+77.42	1709349.5360	988611.1030
POT	505+35.50	1709320.0800	988661.1640

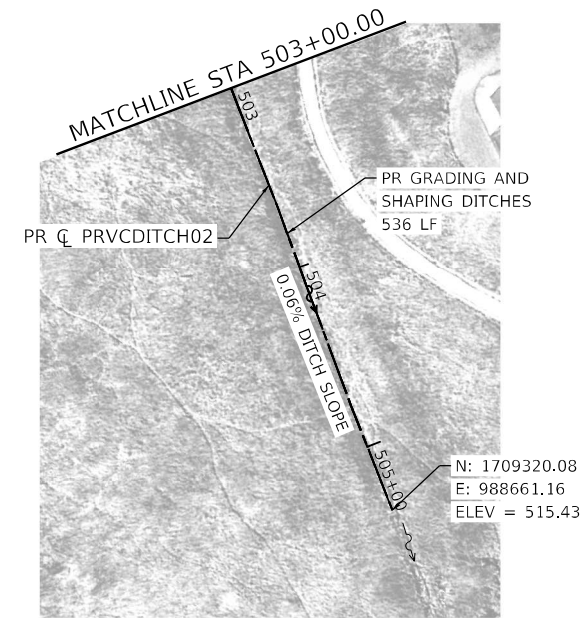
CONTROL POINTS

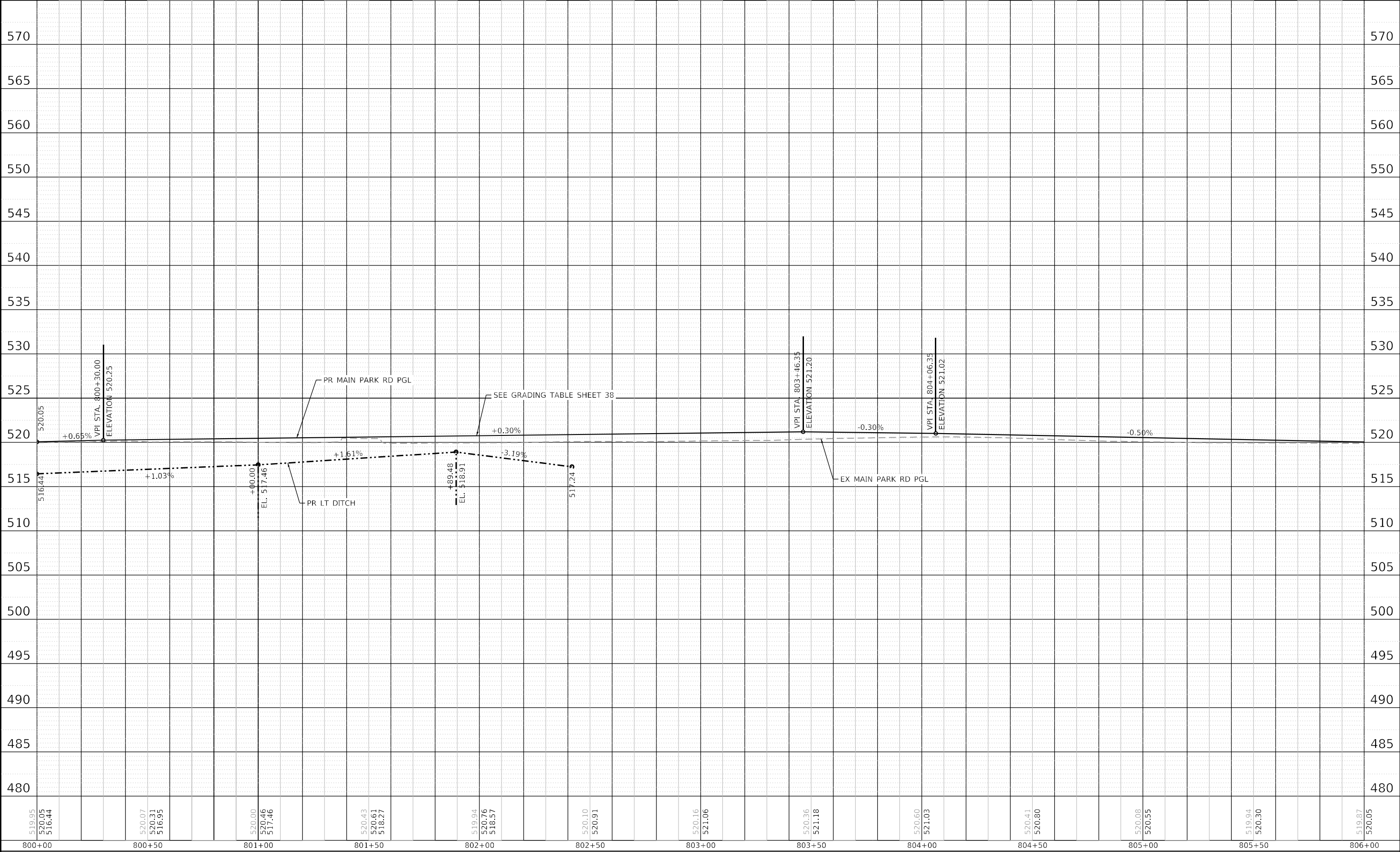
CONTROL POINT #	NORTHING	EASTING	ELEVATION	CENTERLINE	STATION	OFFSET	DESCRIPTION
LIN8	1709252.4790	988166.0720	521.250	MAIN PARK RD	121+36.09	15.56' RT	1/2" REBAR W/ CAP

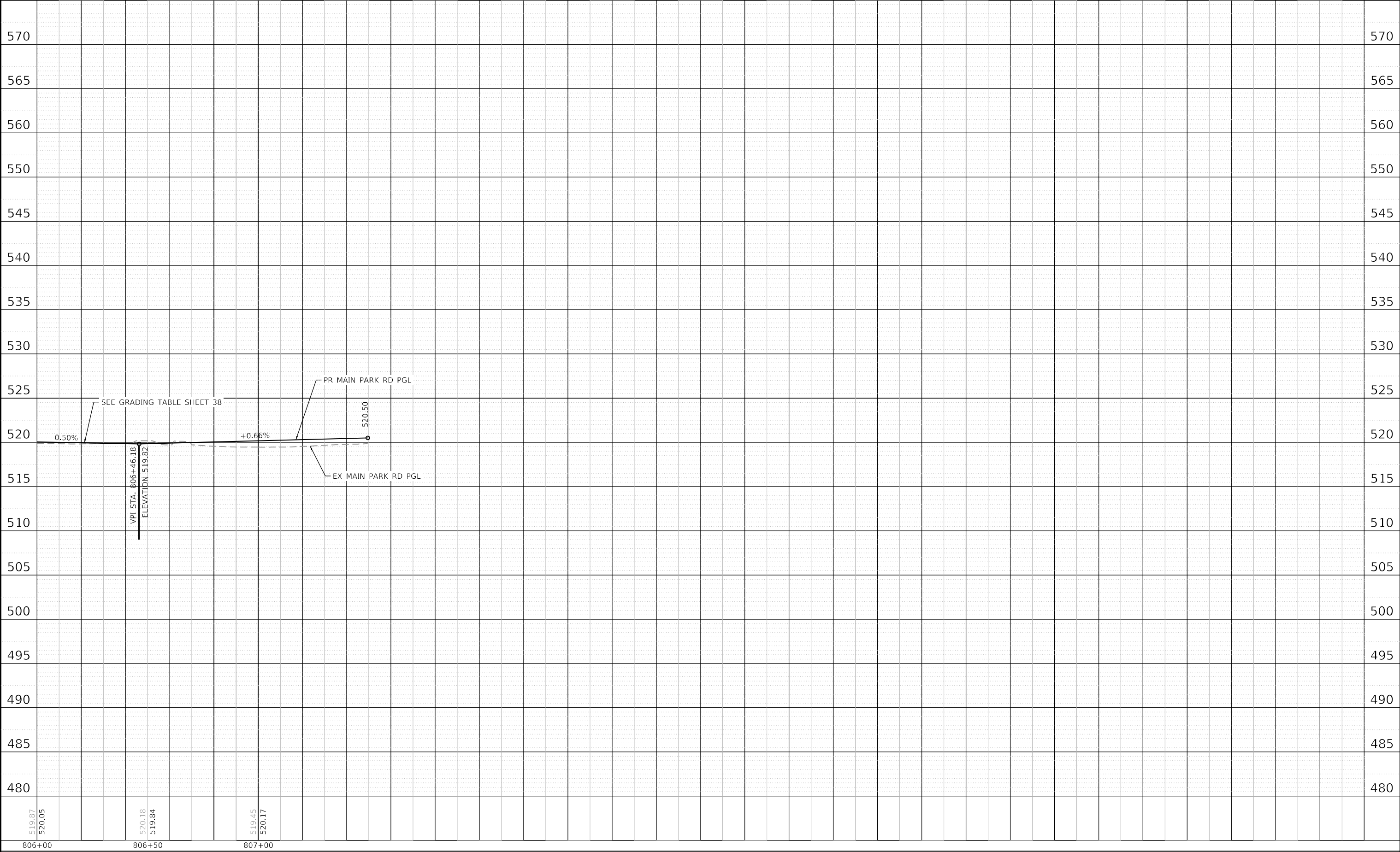


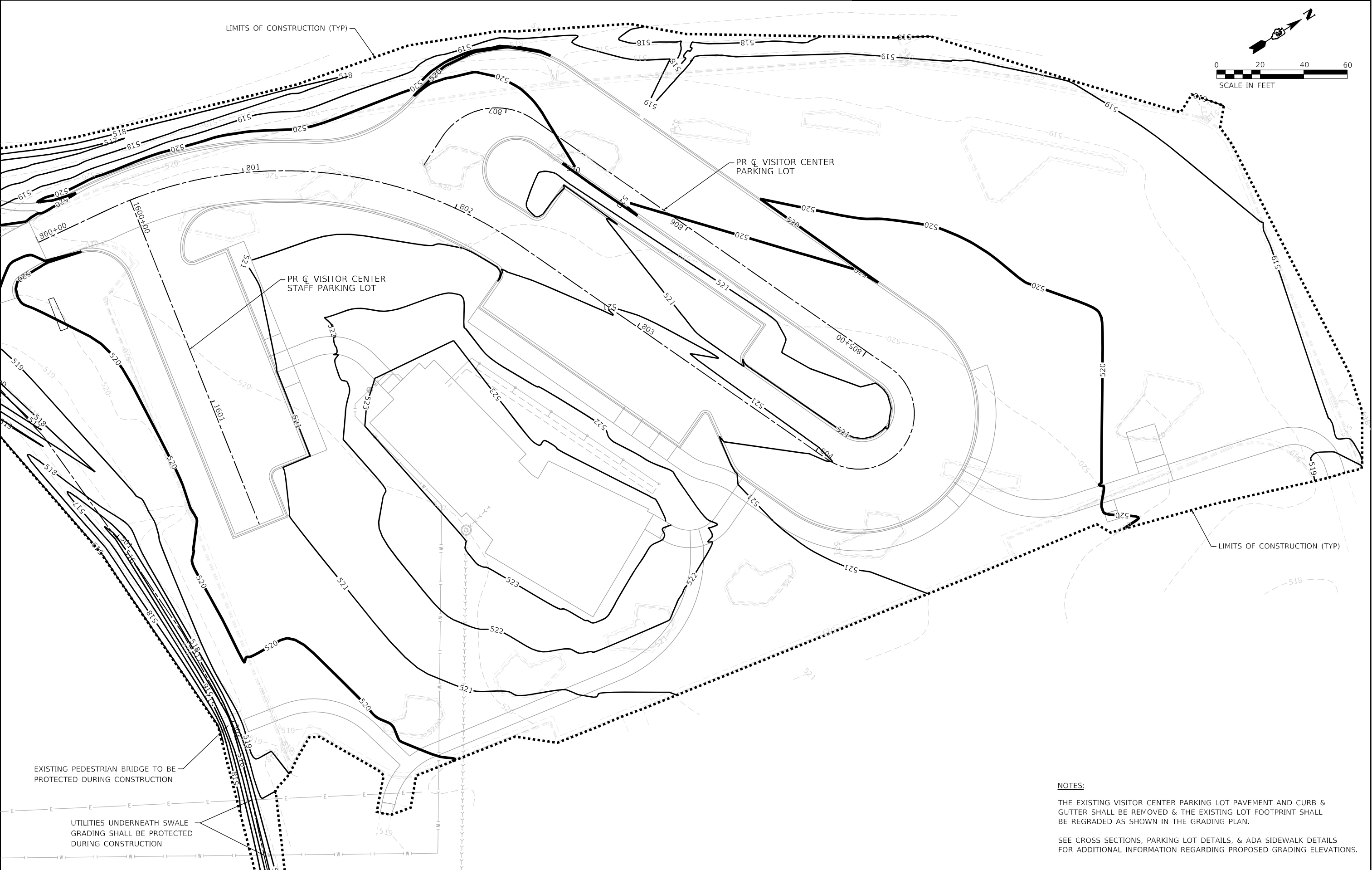


PIPE CULVERTS TO BE REMOVED WITHIN THE LIMITS OF HMA SURFACE REMOVAL, SHALL BE REMOVED AFTER HMA SURFACE REMOVAL WORK IS COMPLETED. ALL REMAINING AGGREGATE AND EARTH REQUIRED TO BE REMOVED TO COMPLETE THE PIPE CULVERT REMOVAL AND CONSTRUCT PROPOSED PIPE CULVERT SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.









NOTES:

THE EXISTING VISITOR CENTER PARKING LOT PAVEMENT AND CURB & GUTTER SHALL BE REMOVED & THE EXISTING LOT FOOTPRINT SHALL BE REGRADED AS SHOWN IN THE GRADING PLAN.

SEE CROSS SECTIONS, PARKING LOT DETAILS, & ADA SIDEWALK DETAILS FOR ADDITIONAL INFORMATION REGARDING PROPOSED GRADING ELEVATIONS.





NOTE:

PIPE CULVERTS TO BE REMOVED WITHIN THE LIMITS OF HMA SURFACE REMOVAL, SHALL BE REMOVED AFTER HMA SURFACE REMOVAL WORK IS COMPLETED. ALL REMAINING AGGREGATE AND EARTH REQUIRED TO BE REMOVED TO COMPLETE THE PIPE CULVERT REMOVAL AND CONSTRUCT PROPOSED PIPE CULVERT SHALL BE PAID AT THE CONTRACT UNIT PRICE FOR EARTH EXCAVATION.



USER NAME	= 14nho
PLOT SCALE	= 100,0000 ' / in.
PLOT DATE	= 2/20/2025

DESIGNED	- NH
DRAWN	- NH
CHECKED	- RC
DATE	- 2/2025

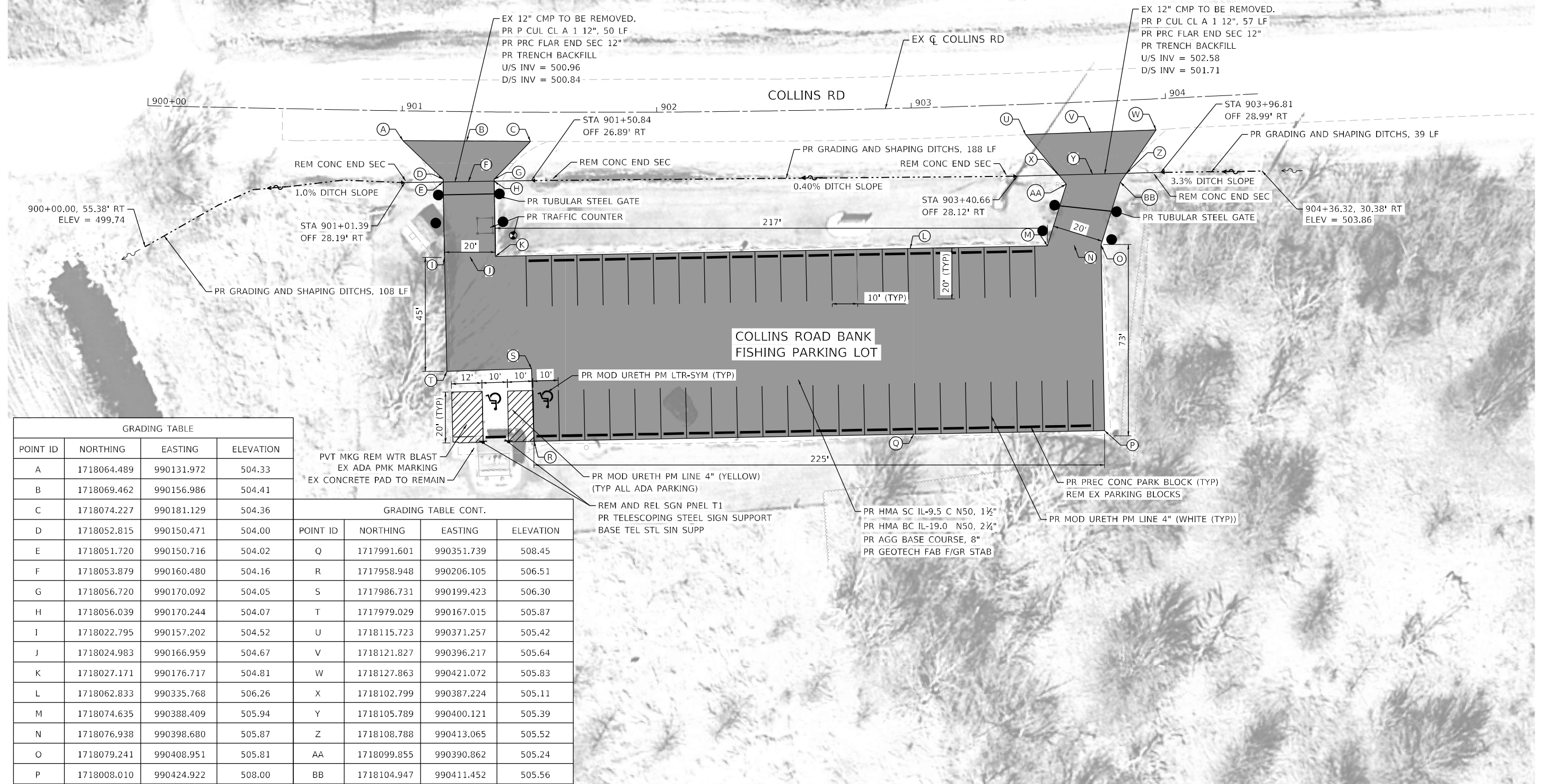
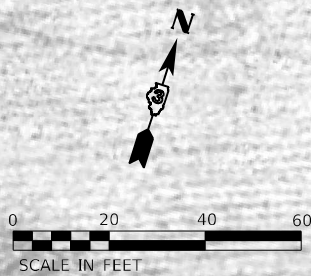
REVISED	-
REVISED	-
REVISED	-
REVISED	-

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PRAIRIE GROVE DAY USE AREA ROADWAY PLAN
GOOSE LAKE PRAIRIE STATE NATURAL AREA**

SCALE: 1"=50' SHEET 1 OF 1 SHEETS STA. 201+00.00 TO STA. 223+66.92

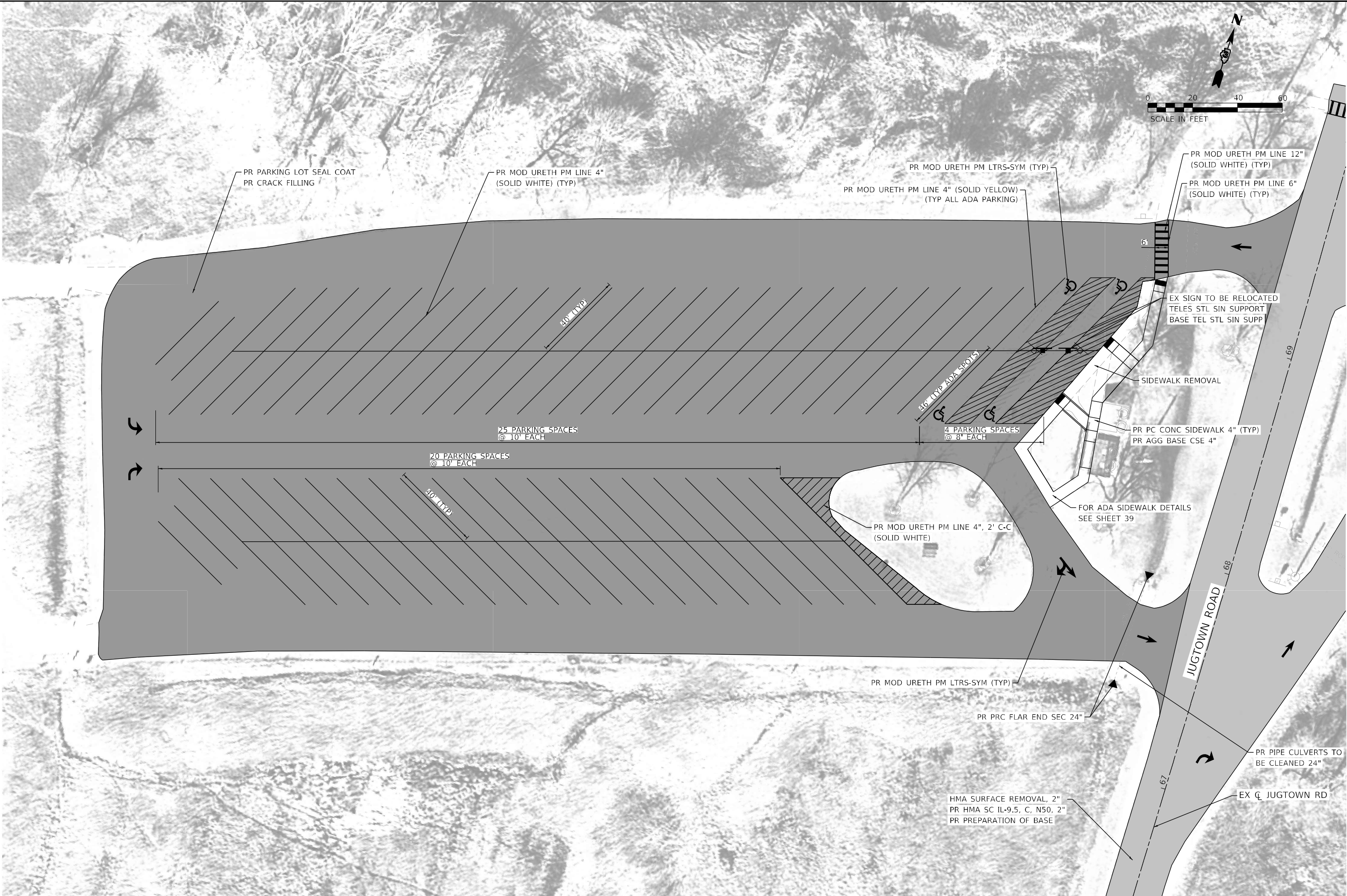
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IDNR	GLP 25	GRUNDY	87	30
IDNR NO. 2-23-004		CONTRACT NO. 46940		
ILLINOIS		FED. AID PROJECT		

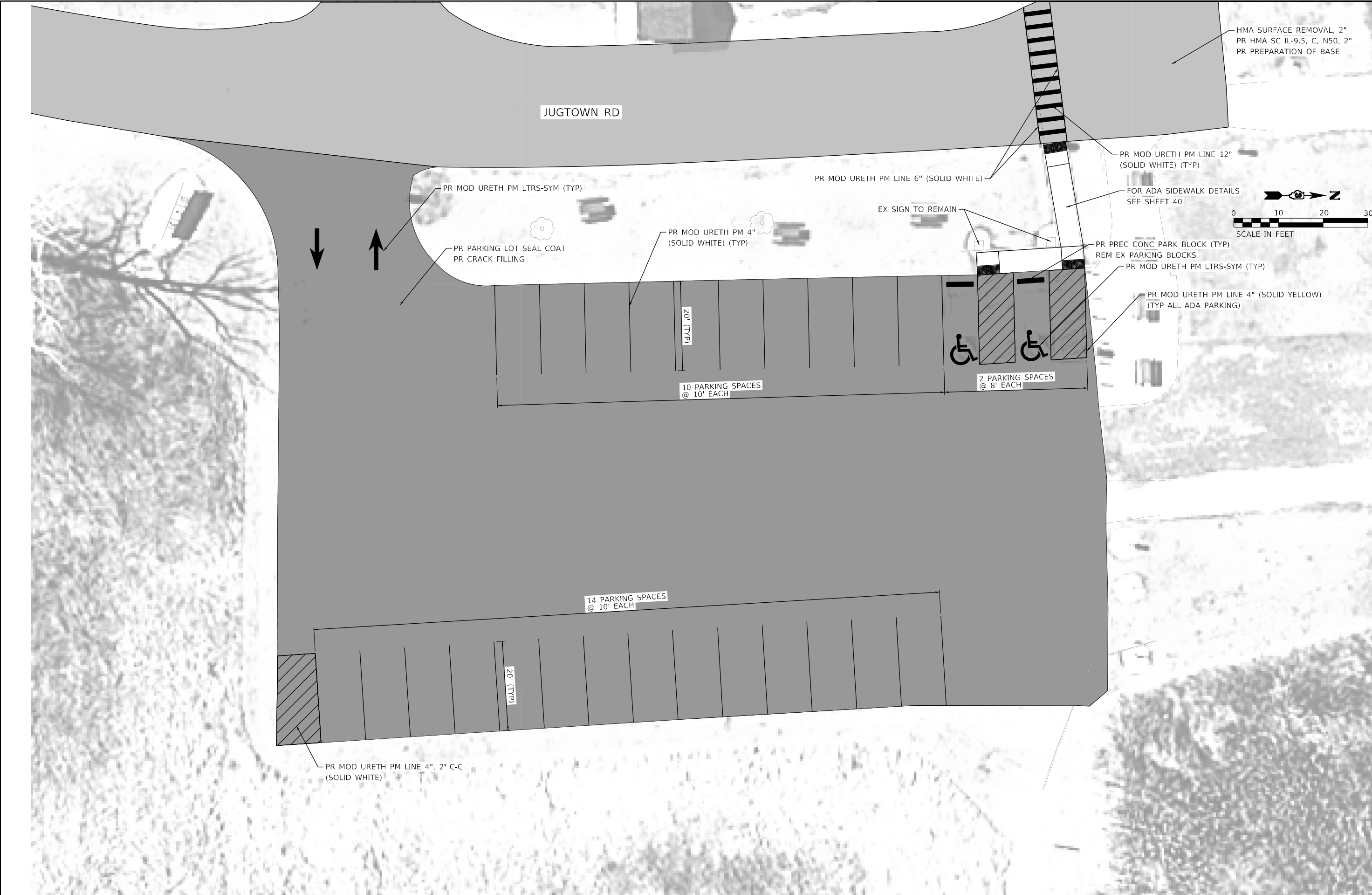


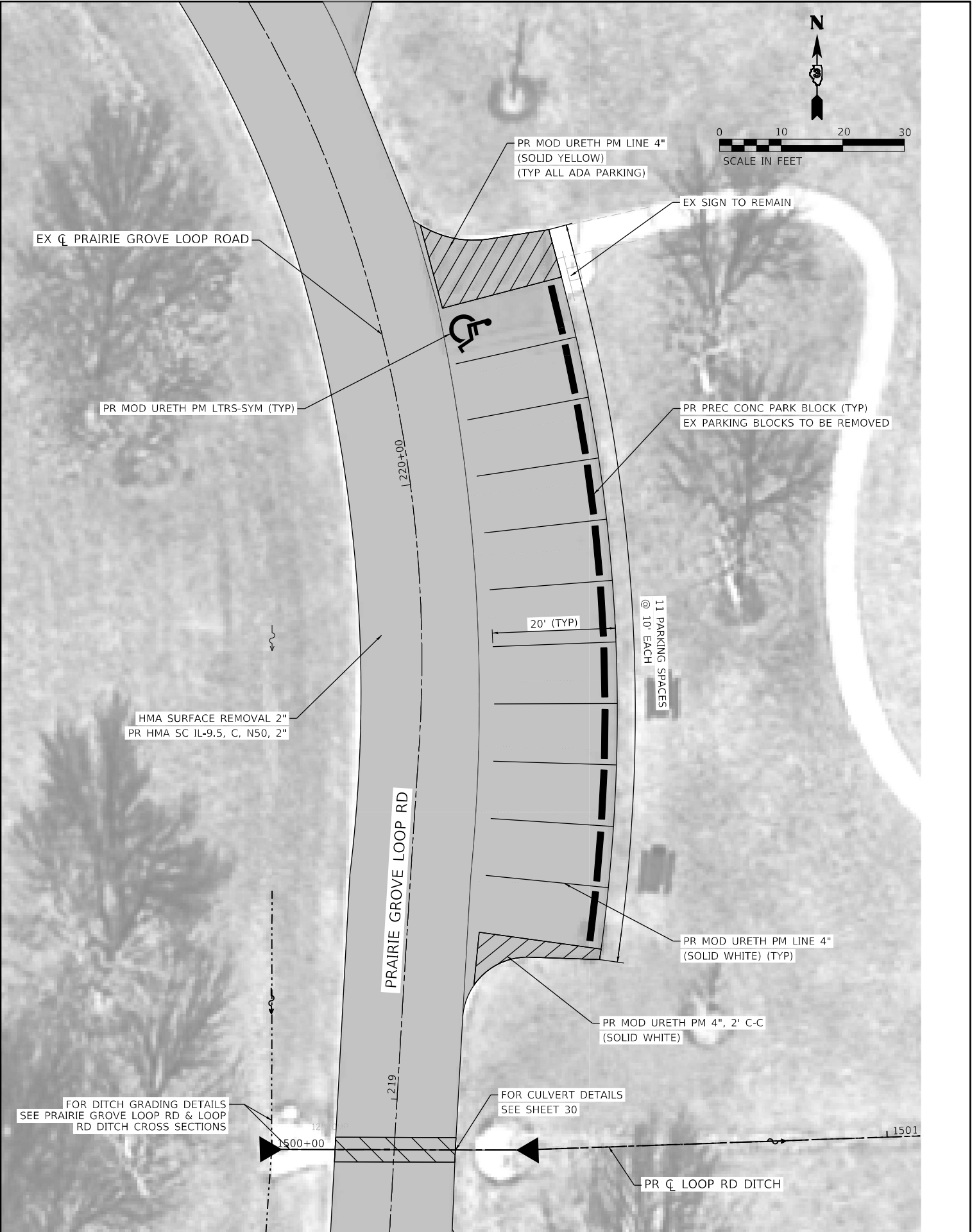
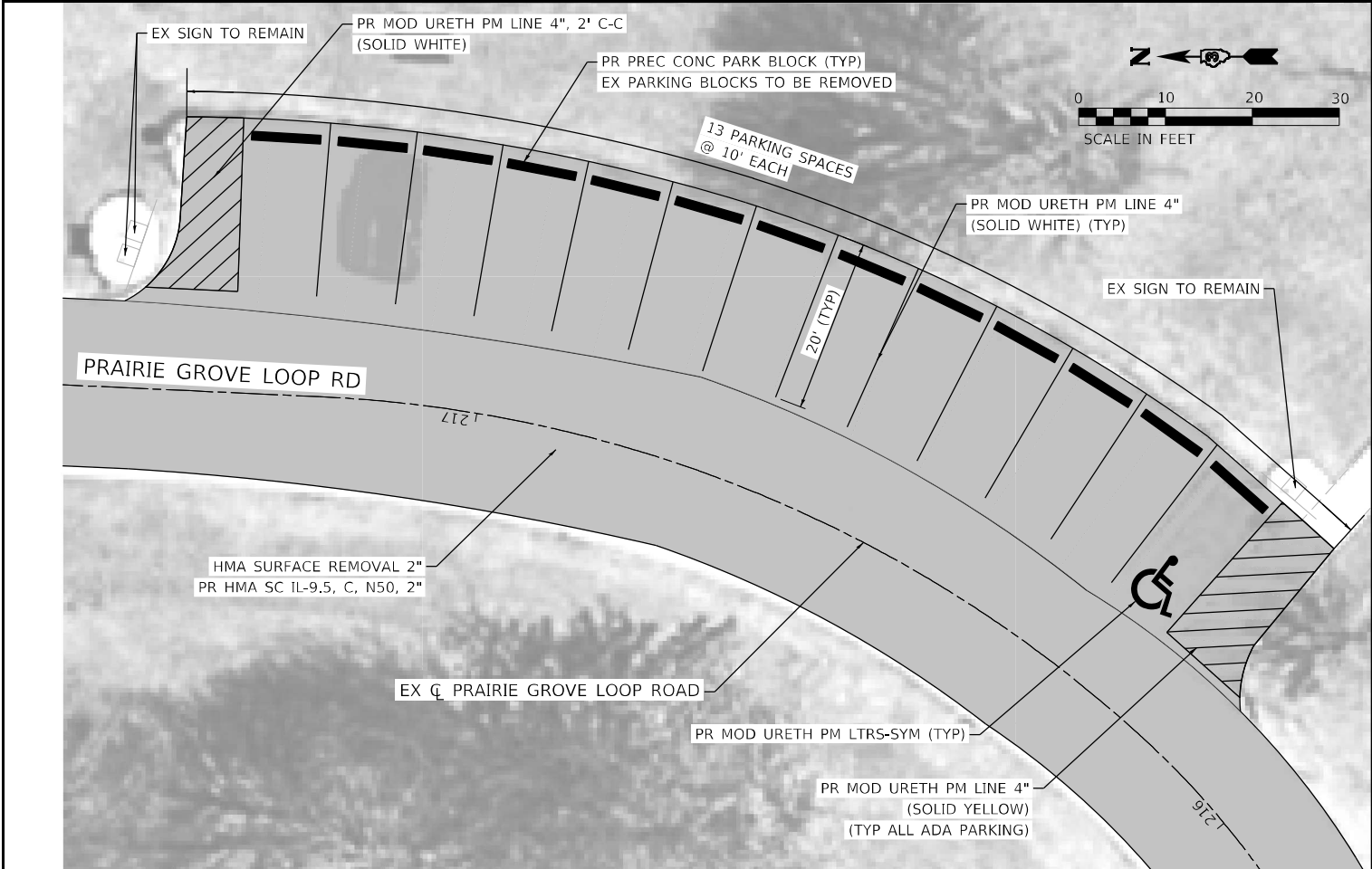
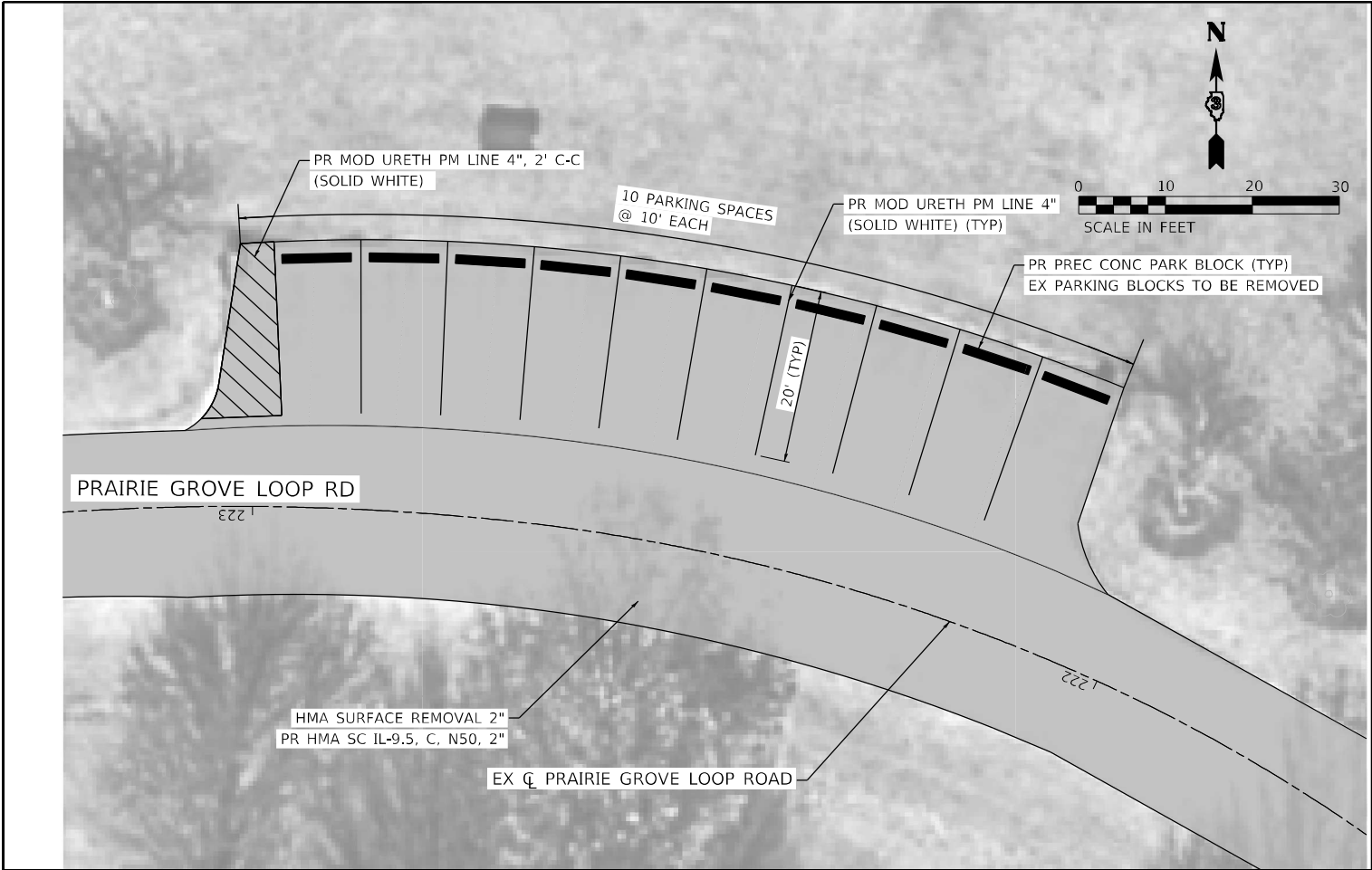
GRADING TABLE			
POINT ID	NORTHING	EASTING	ELEVATION
A	1718064.489	990131.972	504.33
B	1718069.462	990156.986	504.41
C	1718074.227	990181.129	504.36
D	1718052.815	990150.471	504.00
E	1718051.720	990150.716	504.02
F	1718053.879	990160.480	504.16
G	1718056.720	990170.092	504.05
H	1718056.039	990170.244	504.07
I	1718022.795	990157.202	504.52
J	1718024.983	990166.959	504.67
K	1718027.171	990176.717	504.81
L	1718062.833	990335.768	506.26
M	1718074.635	990388.409	505.94
N	1718076.938	990398.680	505.87
O	1718079.241	990408.951	505.81
P	1718008.010	990424.922	508.00

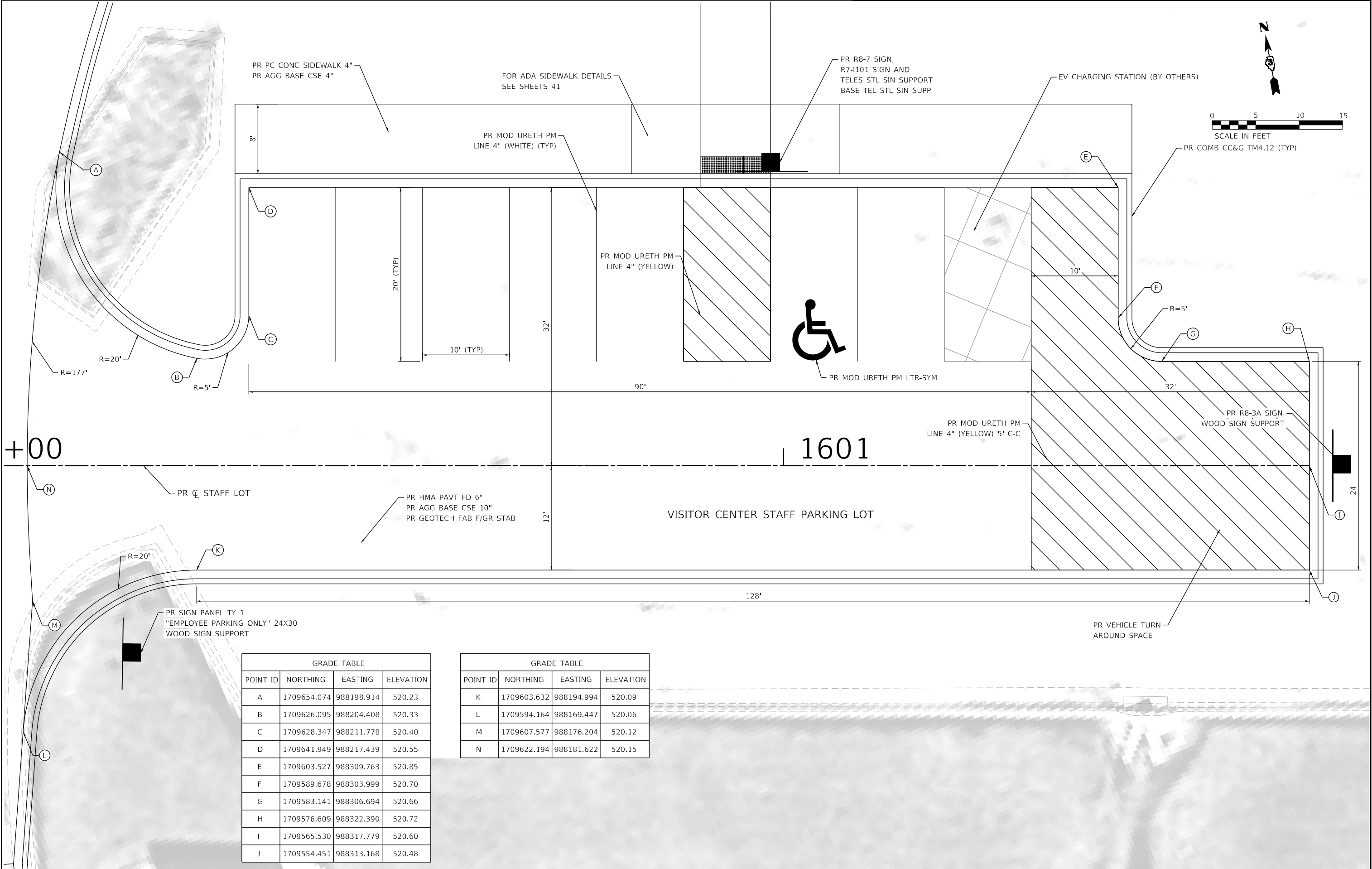
GRADING TABLE CONT.			
POINT ID	NORTHING	EASTING	ELEVATION
Q	1717991.601	990351.739	508.45
R	1717958.948	990206.105	506.51
S	1717986.731	990199.423	506.30
T	1717979.029	990167.015	505.87
U	1718115.723	990371.257	505.42
V	1718121.827	990396.217	505.64
W	1718127.863	990421.072	505.83
X	1718102.799	990387.224	505.11
Y	1718105.789	990400.121	505.39
Z	1718108.788	990413.065	505.52
AA	1718099.855	990390.862	505.24
BB	1718104.947	990411.452	505.56





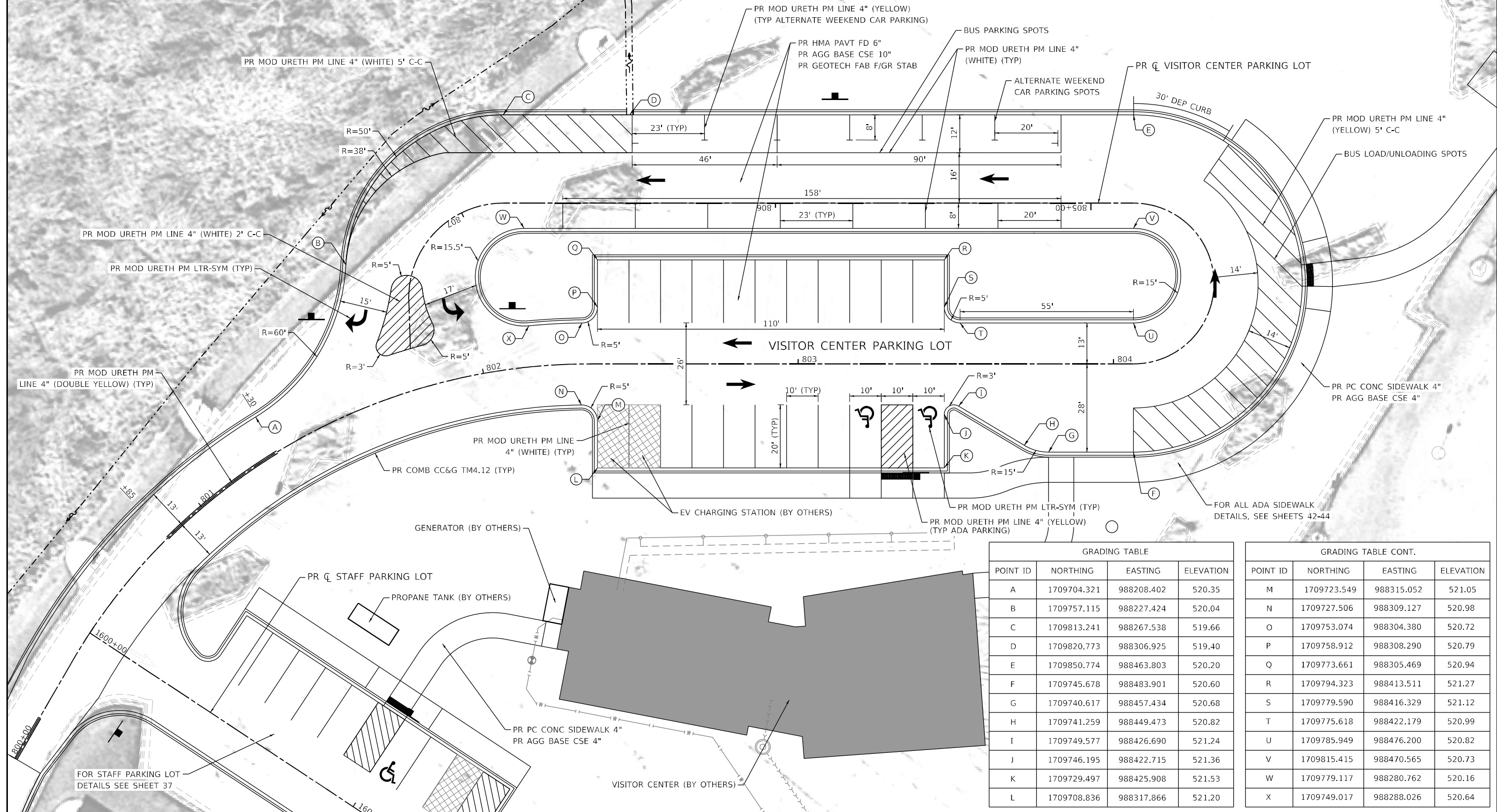
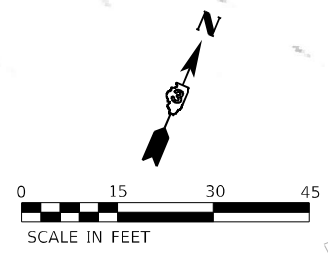






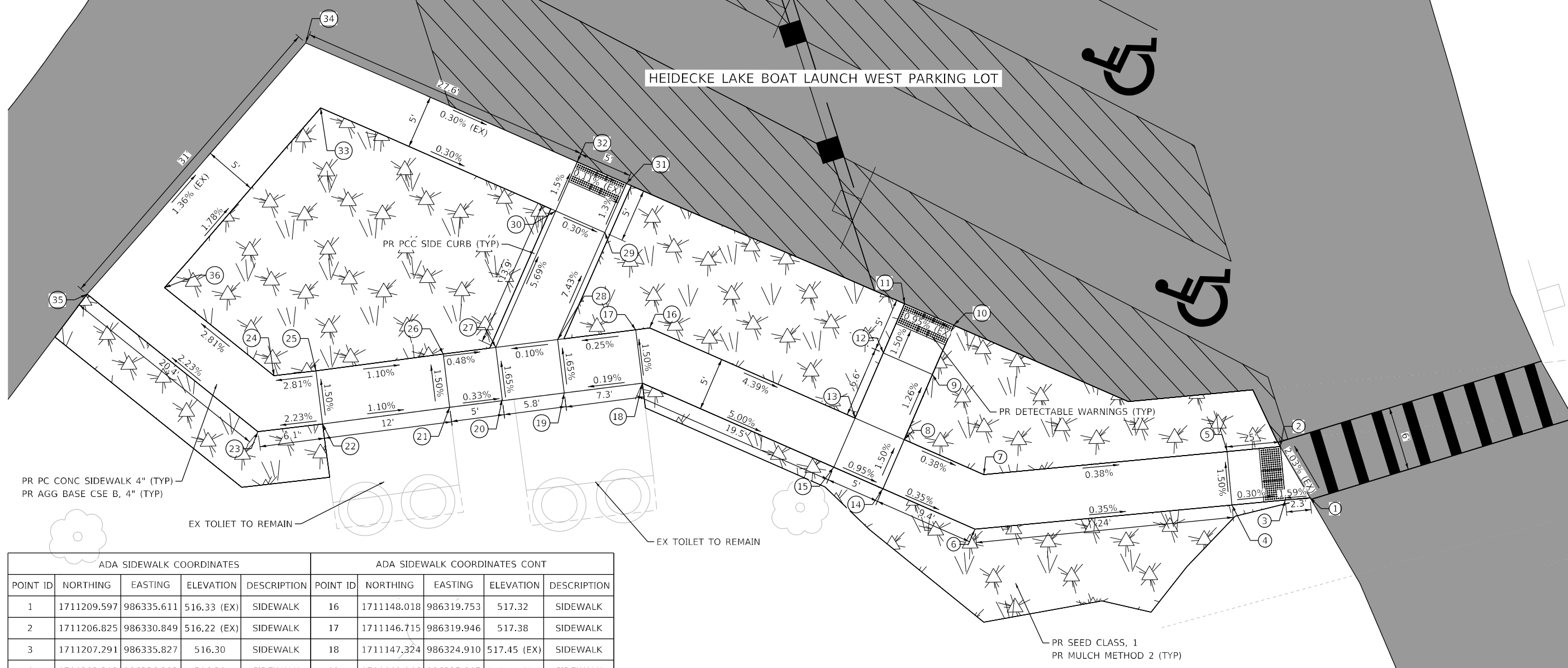
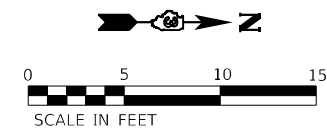
GRADE TABLE			
POINT ID	NORTHING	EASTING	ELEVATION
A	1709654.074	988198.914	520.23
B	1709626.095	988204.408	520.33
C	1709628.347	988211.778	520.40
D	1709641.949	988217.439	520.55
E	1709603.527	988309.763	520.85
F	1709589.678	988303.999	520.70
G	1709583.141	988306.694	520.66
H	1709576.609	988322.390	520.72
I	1709565.530	988317.779	520.60
J	1709554.451	988313.168	520.48

GRADE TABLE			
POINT ID	NORTHING	EASTING	ELEVATION
K	1709603.632	988194.994	520.09
L	1709594.164	988169.447	520.06
M	1709607.577	988176.204	520.12
N	1709622.194	988181.622	520.15



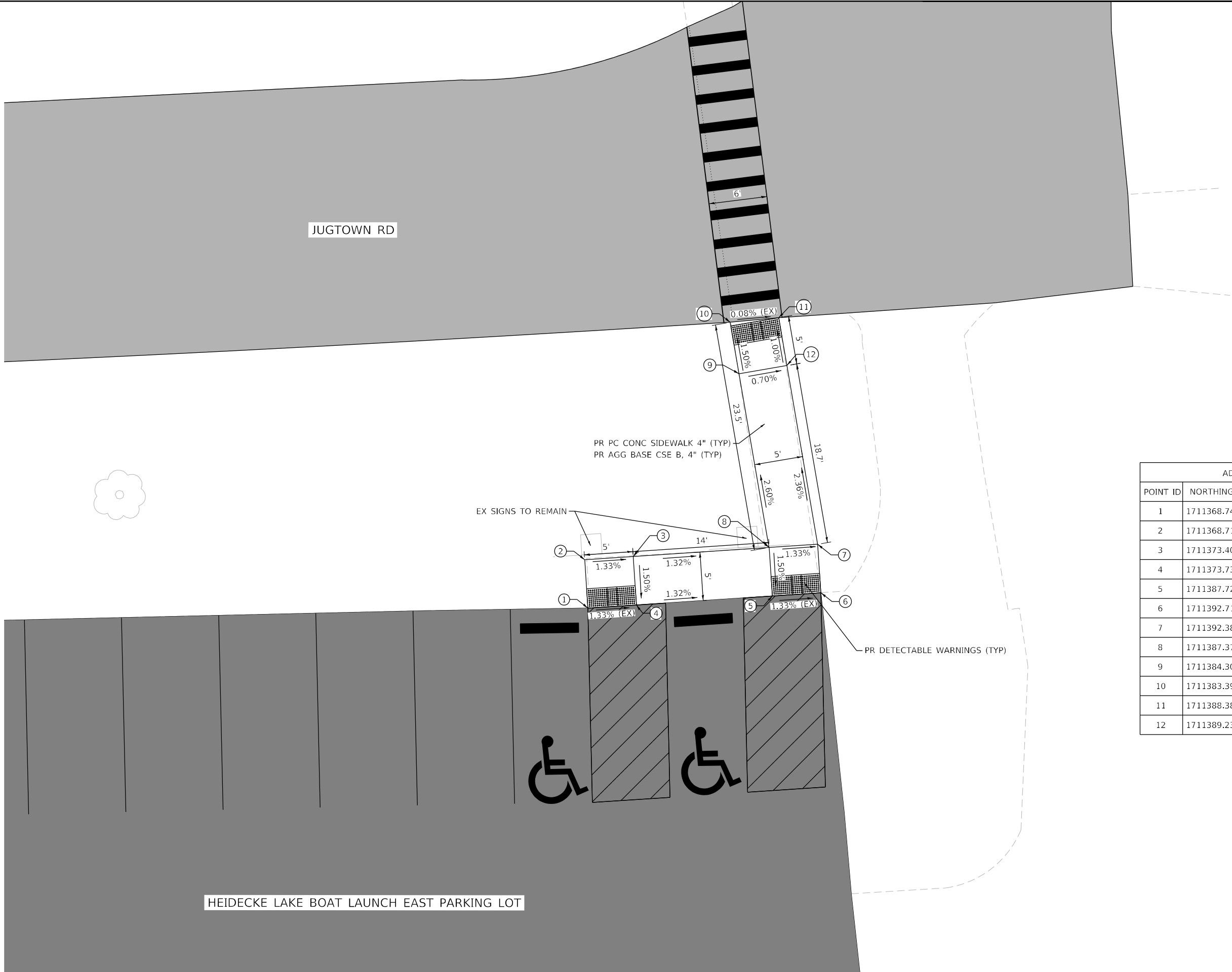
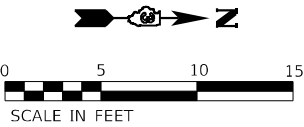
GRADING TABLE			
POINT ID	NORTHING	EASTING	ELEVATION
A	1709704.321	988208.402	520.35
B	1709757.115	988227.424	520.04
C	1709813.241	988267.538	519.66
D	1709820.773	988306.925	519.40
E	1709850.774	988463.803	520.20
F	1709745.678	988483.901	520.60
G	1709740.617	988457.434	520.68
H	1709741.259	988449.473	520.82
I	1709749.577	988426.690	521.24
J	1709746.195	988422.715	521.36
K	1709729.497	988425.908	521.53
L	1709708.836	988317.866	521.20

GRADING TABLE CONT.			
POINT ID	NORTHING	EASTING	ELEVATION
M	1709723.549	988315.052	521.05
N	1709727.506	988309.127	520.98
O	1709753.074	988304.380	520.72
P	1709758.912	988308.290	520.79
Q	1709773.661	988305.469	520.94
R	1709794.323	988413.511	521.27
S	1709779.590	988416.329	521.12
T	1709775.618	988422.179	520.99
U	1709785.949	988476.200	520.82
V	1709815.415	988470.565	520.73
W	1709779.117	988280.762	520.16
X	1709749.017	988288.026	520.64



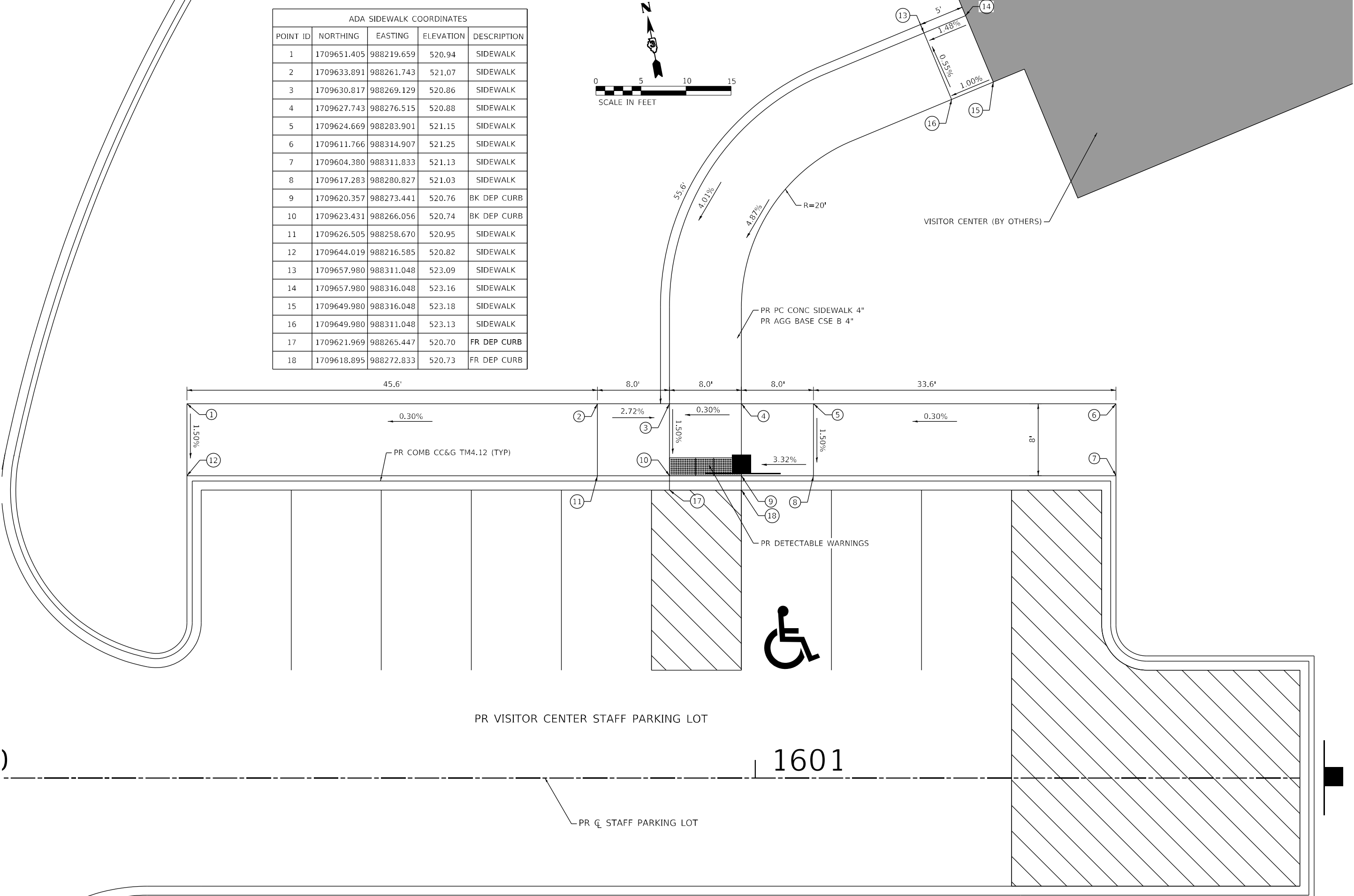
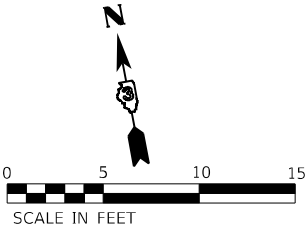
ADA SIDEWALK COORDINATES					ADA SIDEWALK COORDINATES CONT				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION	POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1711209.597	986335.611	516.33 (EX)	SIDEWALK	16	1711148.018	986319.753	517.32	SIDEWALK
2	1711206.825	986330.849	516.22 (EX)	SIDEWALK	17	1711146.715	986319.946	517.38	SIDEWALK
3	1711207.291	986335.827	516.30	SIDEWALK	18	1711147.324	986324.910	517.45 (EX)	SIDEWALK
4	1711202.313	986336.293	516.31	SIDEWALK	19	1711140.046	986325.817	517.44 (EX)	SIDEWALK
5	1711201.847	986331.315	516.24	SIDEWALK	20	1711134.274	986326.536	517.43 (EX)	SIDEWALK
6	1711178.340	986338.540	516.40	SIDEWALK	21	1711129.358	986327.147	517.45 (EX)	SIDEWALK
7	1711179.165	986333.441	516.32	SIDEWALK	22	1711117.499	986328.701	517.58 (EX)	SIDEWALK
8	1711171.741	986330.179	516.35	SIDEWALK	23	1711111.469	986329.402	517.44	SIDEWALK
9	1711174.378	986324.109	516.27	SIDEWALK	24	1711112.972	986324.194	517.39	SIDEWALK
10	1711176.379	986319.527	516.19 (EX)	SIDEWALK	25	1711116.890	986323.738	517.50	SIDEWALK
11	1711171.790	986317.519	516.24 (EX)	SIDEWALK	26	1711128.749	986322.184	517.37	SIDEWALK
12	1711169.797	986322.105	516.32	SIDEWALK	27	1711133.657	986321.574	517.35	SIDEWALK
13	1711167.164	986328.167	516.40	SIDEWALK	28	1711139.437	986320.854	517.35	SIDEWALK
14	1711169.749	986334.765	516.43	SIDEWALK	29	1711143.828	986310.876	516.54	SIDEWALK
15	1711165.171	986332.753	516.48	SIDEWALK	30	1711139.252	986308.862	516.56	SIDEWALK

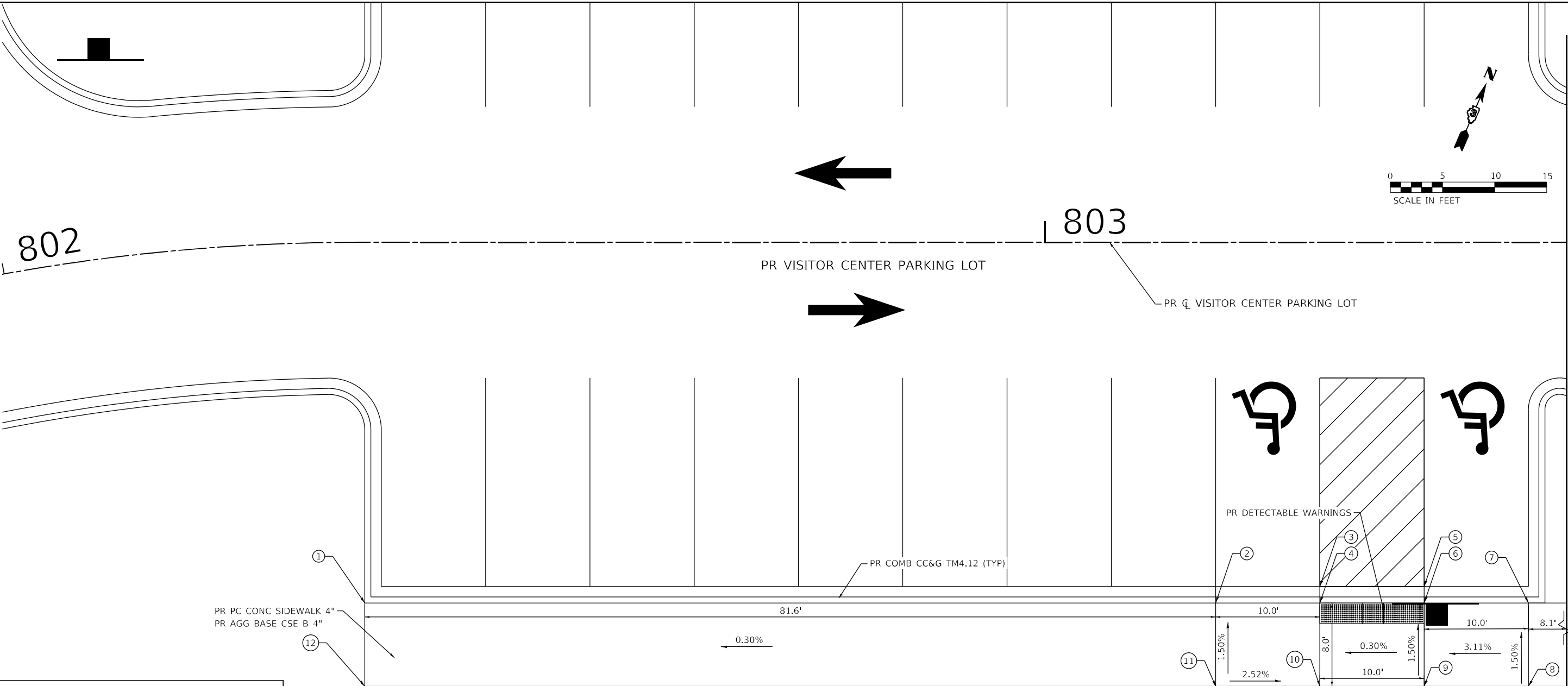
ADA SIDEWALK COORDINATES CONT.				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
31	1711145.842	986306.300	516.48 (EX)	SIDEWALK
32	1711141.266	986304.286	516.48 (EX)	SIDEWALK
33	1711117.325	986299.246	516.63	SIDEWALK
34	1711115.956	986293.198	516.57 (EX)	SIDEWALK
35	1711095.554	986316.597	516.99 (EX)	SIDEWALK
36	1711102.767	986315.983	517.02	SIDEWALK



ADA SIDEWALK COORDINATES				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1711368.746	986509.010	514.91 (EX)	SIDEWALK
2	1711368.718	986504.030	514.98	SIDEWALK
3	1711373.407	986503.701	514.92	SIDEWALK
4	1711373.736	986508.691	514.84 (EX)	SIDEWALK
5	1711387.728	986507.768	514.66 (EX)	SIDEWALK
6	1711392.717	986507.439	514.59 (EX)	SIDEWALK
7	1711392.388	986502.450	514.66	SIDEWALK
8	1711387.372	986502.781	514.73	SIDEWALK
9	1711384.306	986484.898	514.26	SIDEWALK
10	1711383.397	986479.597	514.18 (EX)	SIDEWALK
11	1711388.389	986479.125	514.17 (EX)	SIDEWALK
12	1711389.234	986484.053	514.22	SIDEWALK

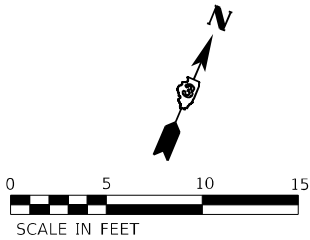
ADA SIDEWALK COORDINATES				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1709651.405	988219.659	520.94	SIDEWALK
2	1709633.891	988261.743	521.07	SIDEWALK
3	1709630.817	988269.129	520.86	SIDEWALK
4	1709627.743	988276.515	520.88	SIDEWALK
5	1709624.669	988283.901	521.15	SIDEWALK
6	1709611.766	988314.907	521.25	SIDEWALK
7	1709604.380	988311.833	521.13	SIDEWALK
8	1709617.283	988280.827	521.03	SIDEWALK
9	1709620.357	988273.441	520.76	BK DEP CURB
10	1709623.431	988266.056	520.74	BK DEP CURB
11	1709626.505	988258.670	520.95	SIDEWALK
12	1709644.019	988216.585	520.82	SIDEWALK
13	1709657.980	988311.048	523.09	SIDEWALK
14	1709657.980	988316.048	523.16	SIDEWALK
15	1709649.980	988316.048	523.18	SIDEWALK
16	1709649.980	988311.048	523.13	SIDEWALK
17	1709621.969	988265.447	520.70	FR DEP CURB
18	1709618.895	988272.833	520.73	FR DEP CURB



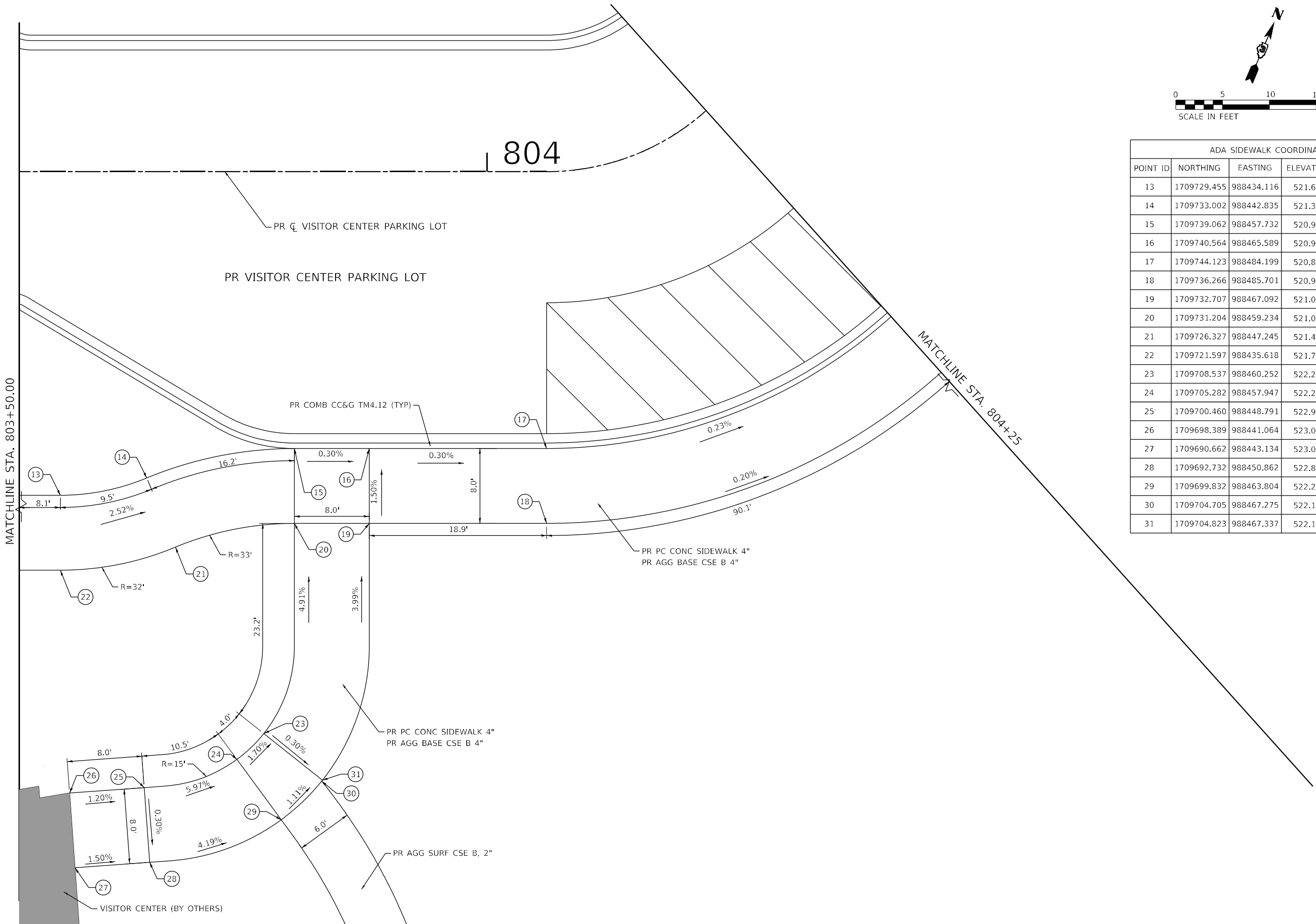


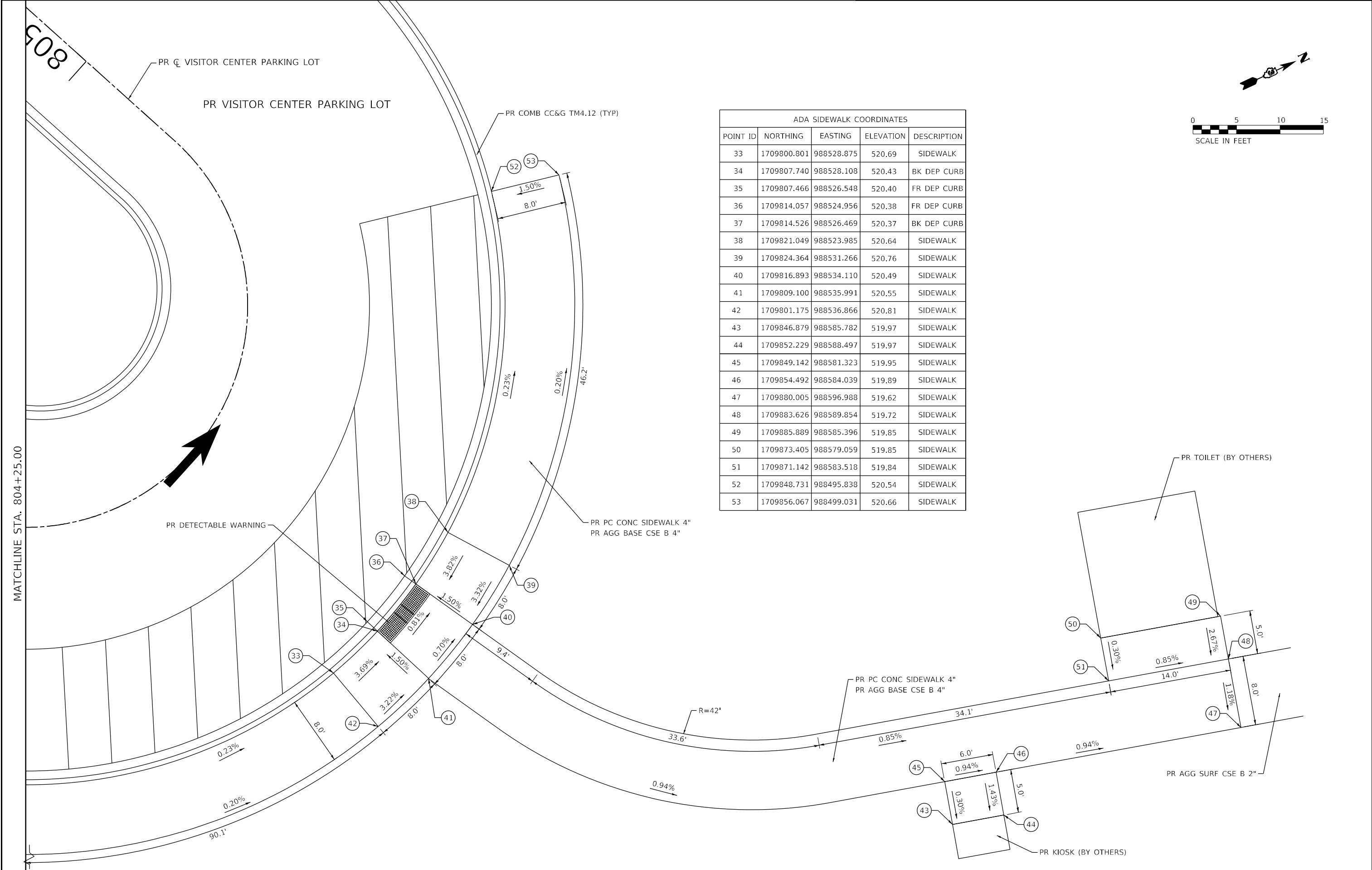
ADA SIDEWALK COORDINATES				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1709706.983	988316.608	521.46	SIDEWALK
2	1709722.307	988396.740	521.71	SIDEWALK
3	1709725.741	988406.264	521.47	FR DEP CURB
4	1709724.186	988406.562	521.46	BK DEP CURB
5	1709727.619	988416.086	521.50	FR DEP CURB
6	1709726.064	988416.384	521.49	BK DEP CURB
7	1709727.942	988426.206	521.80	SIDEWALK
8	1709720.085	988427.708	521.92	SIDEWALK
9	1709718.206	988417.886	521.61	SIDEWALK
10	1709716.328	988408.064	521.58	SIDEWALK
11	1709714.450	988398.242	521.83	SIDEWALK
12	1709699.126	988318.111	521.58	SIDEWALK

VISITOR CENTER (BY OTHERS)

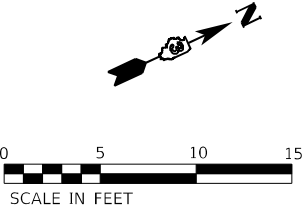


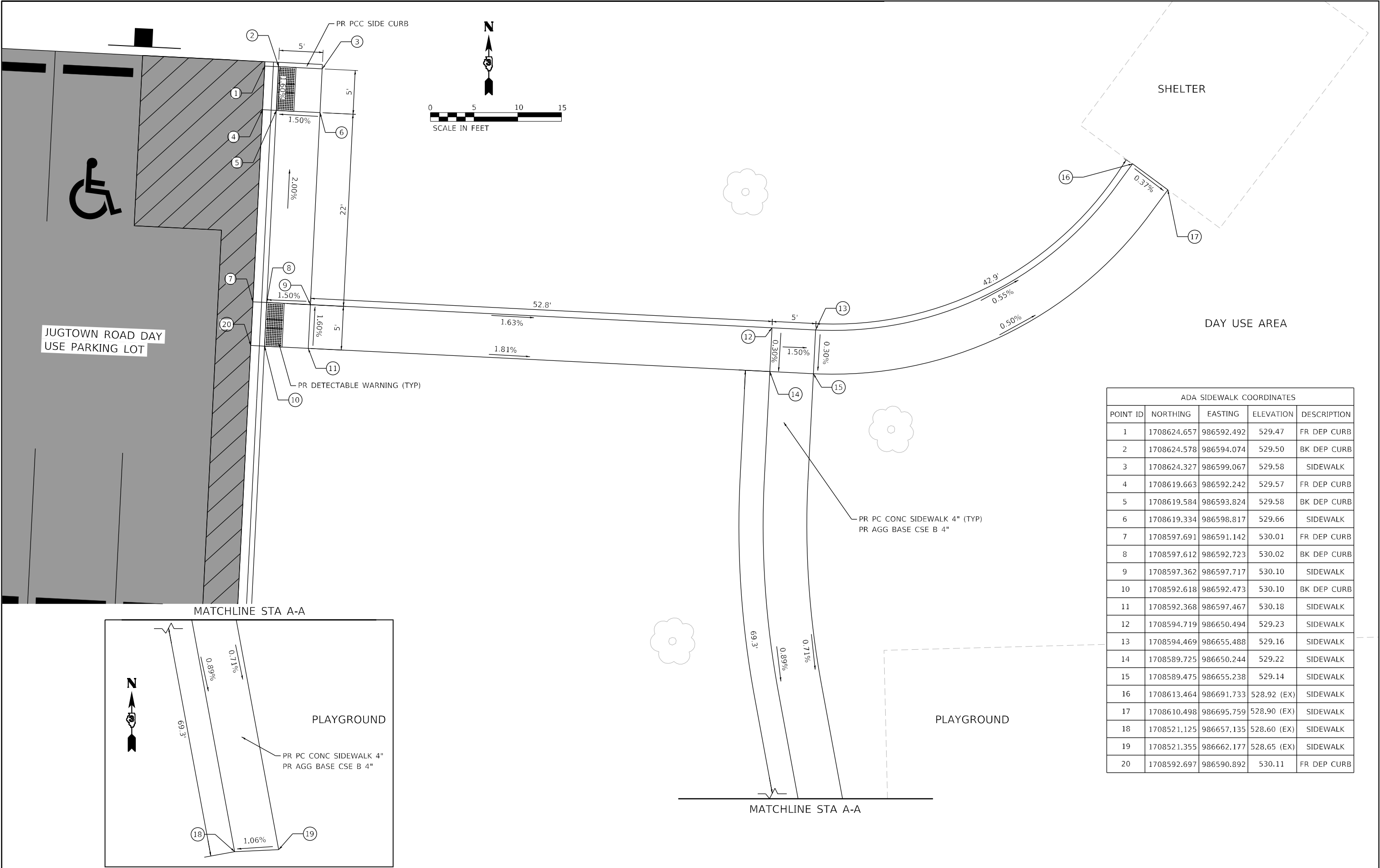
ADA SIDEWALK COORDINATES				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
13	1709729.455	988434.116	521.60	SIDEWALK
14	1709733.002	988442.835	521.36	SIDEWALK
15	1709739.062	988457.732	520.95	SIDEWALK
16	1709740.564	988465.589	520.93	SIDEWALK
17	1709744.123	988484.199	520.87	SIDEWALK
18	1709736.266	988485.701	520.99	SIDEWALK
19	1709732.707	988467.092	521.05	SIDEWALK
20	1709731.204	988459.234	521.07	SIDEWALK
21	1709726.327	988447.245	521.48	SIDEWALK
22	1709721.597	988435.618	521.72	SIDEWALK
23	1709708.537	988460.252	522.21	SIDEWALK
24	1709705.282	988457.947	522.28	SIDEWALK
25	1709700.460	988448.791	522.90	SIDEWALK
26	1709698.389	988441.064	523.00	SIDEWALK
27	1709690.662	988443.134	523.00	SIDEWALK
28	1709692.732	988450.862	522.88	SIDEWALK
29	1709699.832	988463.804	522.25	SIDEWALK
30	1709704.705	988467.275	522.19	SIDEWALK
31	1709704.823	988467.337	522.18	SIDEWALK



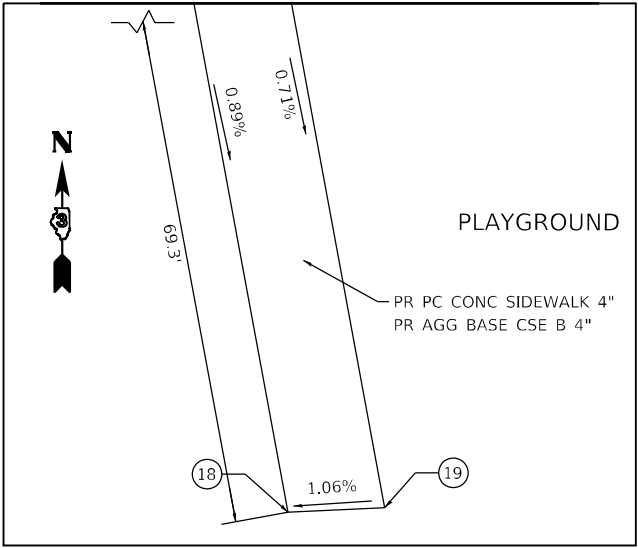


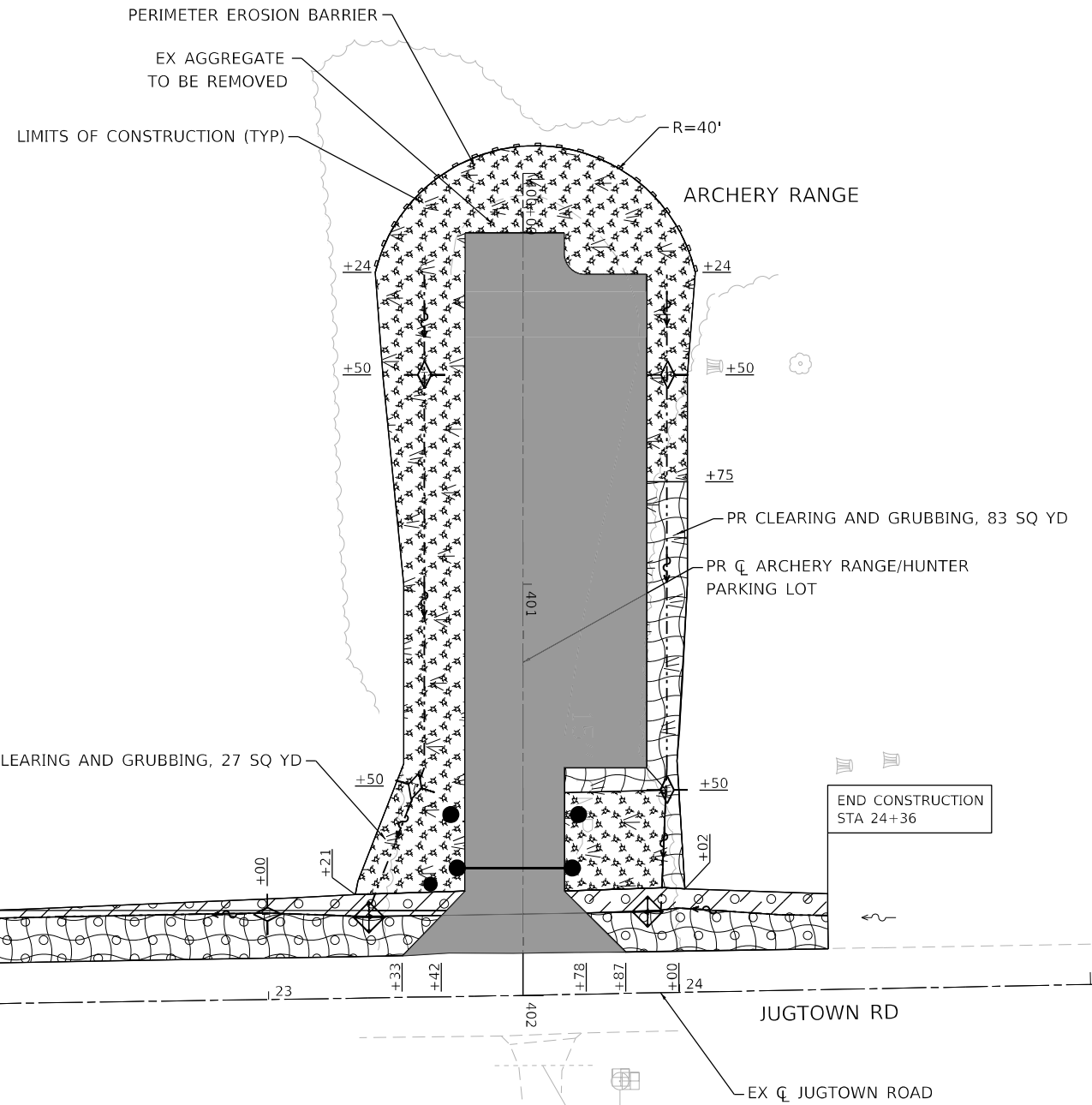
ADA SIDEWALK COORDINATES				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
33	1709800.801	988528.875	520.69	SIDEWALK
34	1709807.740	988528.108	520.43	BK DEP CURB
35	1709807.466	988526.548	520.40	FR DEP CURB
36	1709814.057	988524.956	520.38	FR DEP CURB
37	1709814.526	988526.469	520.37	BK DEP CURB
38	1709821.049	988523.985	520.64	SIDEWALK
39	1709824.364	988531.266	520.76	SIDEWALK
40	1709816.893	988534.110	520.49	SIDEWALK
41	1709809.100	988535.991	520.55	SIDEWALK
42	1709801.175	988536.866	520.81	SIDEWALK
43	1709846.879	988585.782	519.97	SIDEWALK
44	1709852.229	988588.497	519.97	SIDEWALK
45	1709849.142	988581.323	519.95	SIDEWALK
46	1709854.492	988584.039	519.89	SIDEWALK
47	1709880.005	988596.988	519.62	SIDEWALK
48	1709883.626	988589.854	519.72	SIDEWALK
49	1709885.889	988585.396	519.85	SIDEWALK
50	1709873.405	988579.059	519.85	SIDEWALK
51	1709871.142	988583.518	519.84	SIDEWALK
52	1709848.731	988495.838	520.54	SIDEWALK
53	1709856.067	988499.031	520.66	SIDEWALK





ADA SIDEWALK COORDINATES				
POINT ID	NORTHING	EASTING	ELEVATION	DESCRIPTION
1	1708624.657	986592.492	529.47	FR DEP CURB
2	1708624.578	986594.074	529.50	BK DEP CURB
3	1708624.327	986599.067	529.58	SIDEWALK
4	1708619.663	986592.242	529.57	FR DEP CURB
5	1708619.584	986593.824	529.58	BK DEP CURB
6	1708619.334	986598.817	529.66	SIDEWALK
7	1708597.691	986591.142	530.01	FR DEP CURB
8	1708597.612	986592.723	530.02	BK DEP CURB
9	1708597.362	986597.717	530.10	SIDEWALK
10	1708592.618	986592.473	530.10	BK DEP CURB
11	1708592.368	986597.467	530.18	SIDEWALK
12	1708594.719	986650.494	529.23	SIDEWALK
13	1708594.469	986655.488	529.16	SIDEWALK
14	1708589.725	986650.244	529.22	SIDEWALK
15	1708589.475	986655.238	529.14	SIDEWALK
16	1708613.464	986691.733	528.92 (EX)	SIDEWALK
17	1708610.498	986695.759	528.90 (EX)	SIDEWALK
18	1708521.125	986657.135	528.60 (EX)	SIDEWALK
19	1708521.355	986662.177	528.65 (EX)	SIDEWALK
20	1708592.697	986590.892	530.11	FR DEP CURB



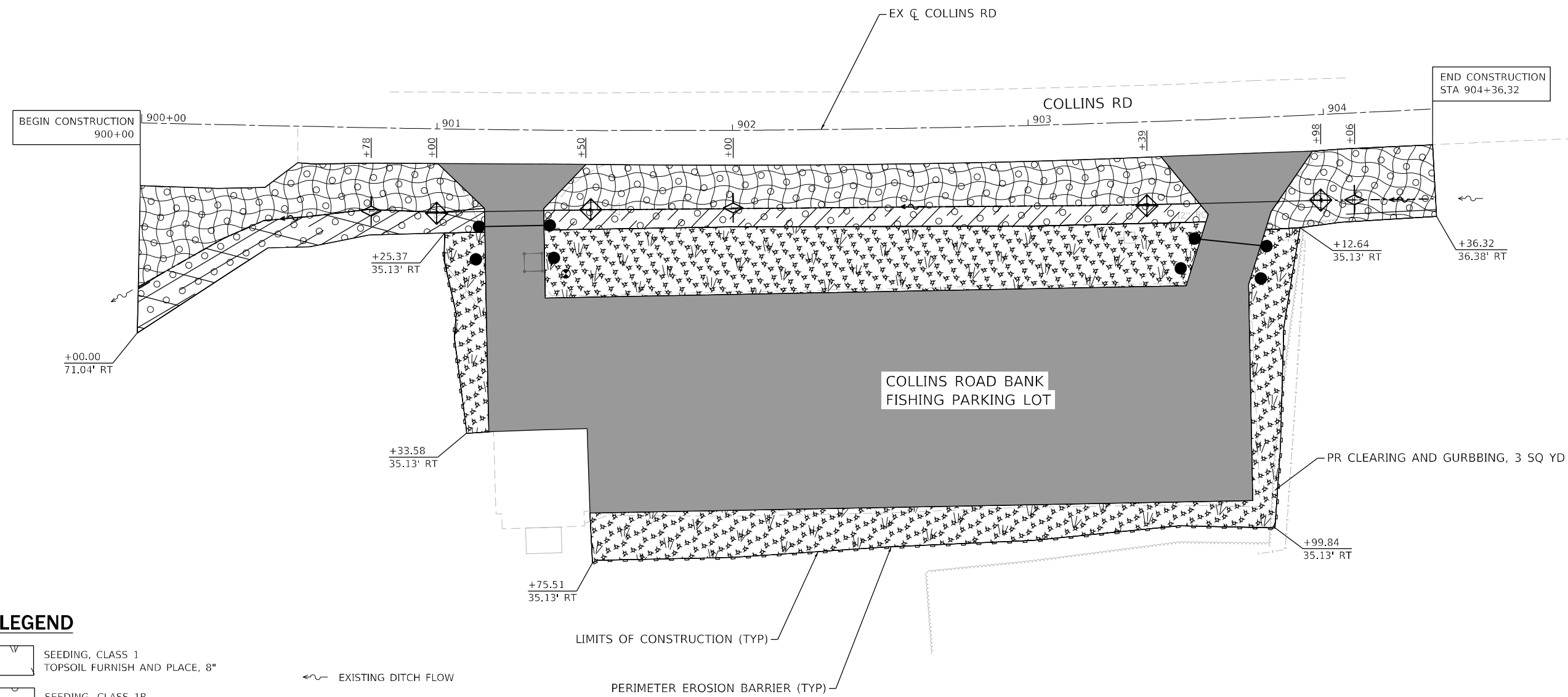
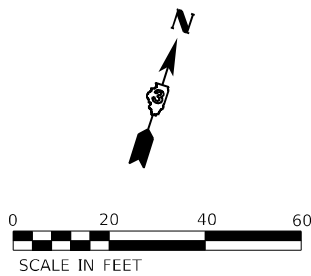


LEGEND

- | | | | |
|--|---|--|---------------------------|
| | SEEDING, CLASS 1
TOPSOIL FURNISH AND PLACE, 8" | | EXISTING DITCH FLOW |
| | SEEDING, CLASS 1B
TOPSOIL FURNISH AND PLACE, 8" | | PROPOSED DITCH FLOW |
| | SEEDING, CLASS 4A (MODIFIED)
TOPSOIL FURNISH AND PLACE, 8" | | PERIMETER EROSION BARRIER |
| | EROSION CONTROL BLANKET | | TEMPORARY DITCH CHECKS |
| | HEAVY DUTY EROSION CONTROL BLANKET | | INLET AND PIPE PROTECTION |
| | MULCH, METHOD 2 | | |

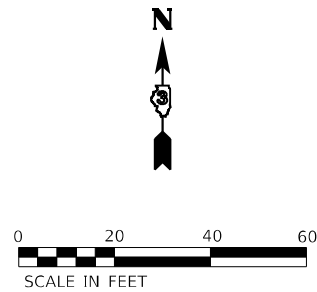
USER NAME	= 14nho	DESIGNED -	NH	REVISED -	
DRAWN	- NH	REVIS	-		
PLOT SCALE	= 40,0000 * / in.	CHECKED -	RC	REVIS	-
PLOT DATE	= 2/20/2025	DATE -	2/2025	REVIS	-

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IDNR	GLP 25	GRUNDY	87	46
IDNR NO. 2-23-004		CONTRACT NO. 46940		
ILLINOIS		FED. AID PROJECT		



LEGEND

- | | | | |
|--|---|--|---------------------------|
| | SEEDING, CLASS 1
TOPSOIL FURNISH AND PLACE, 8" | | EXISTING DITCH FLOW |
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| | HEAVY DUTY EROSION CONTROL BLANKET | | INLET AND PIPE PROTECTION |
| | MULCH, METHOD 2 | | |



END CONSTRUCTION
STA 43+63

BEGIN CONSTRUCTION
STA 41+23

EX CL JUGTOWN ROAD

LIMITS OF CONSTRUCTION (TYP)

JUGTOWN ROAD DAY
USE PARKING LOT

SHELTER

DAY USE AREA

PLAYGROUND

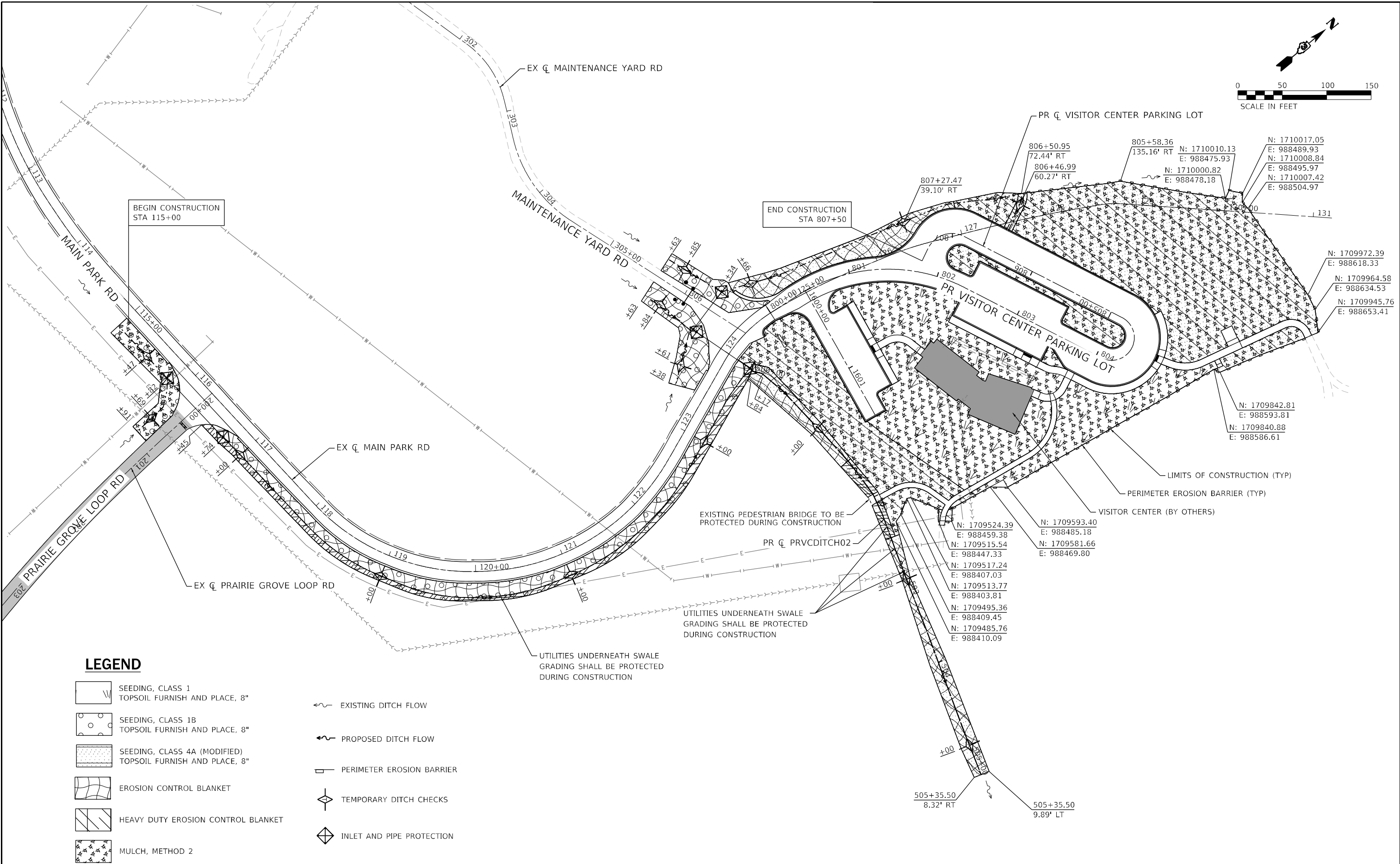
PERIMETER EROSION BARRIER (TYP)

NOTE:
ANY EXCESS GRAVEL FROM OLD PARKING LOT FOOTPRINT SHALL
BE REMOVED AND AREA RESTORED WITH TOPSOIL AND SEEDING.
SEE EROSION CONTROL PLAN.

LEGEND

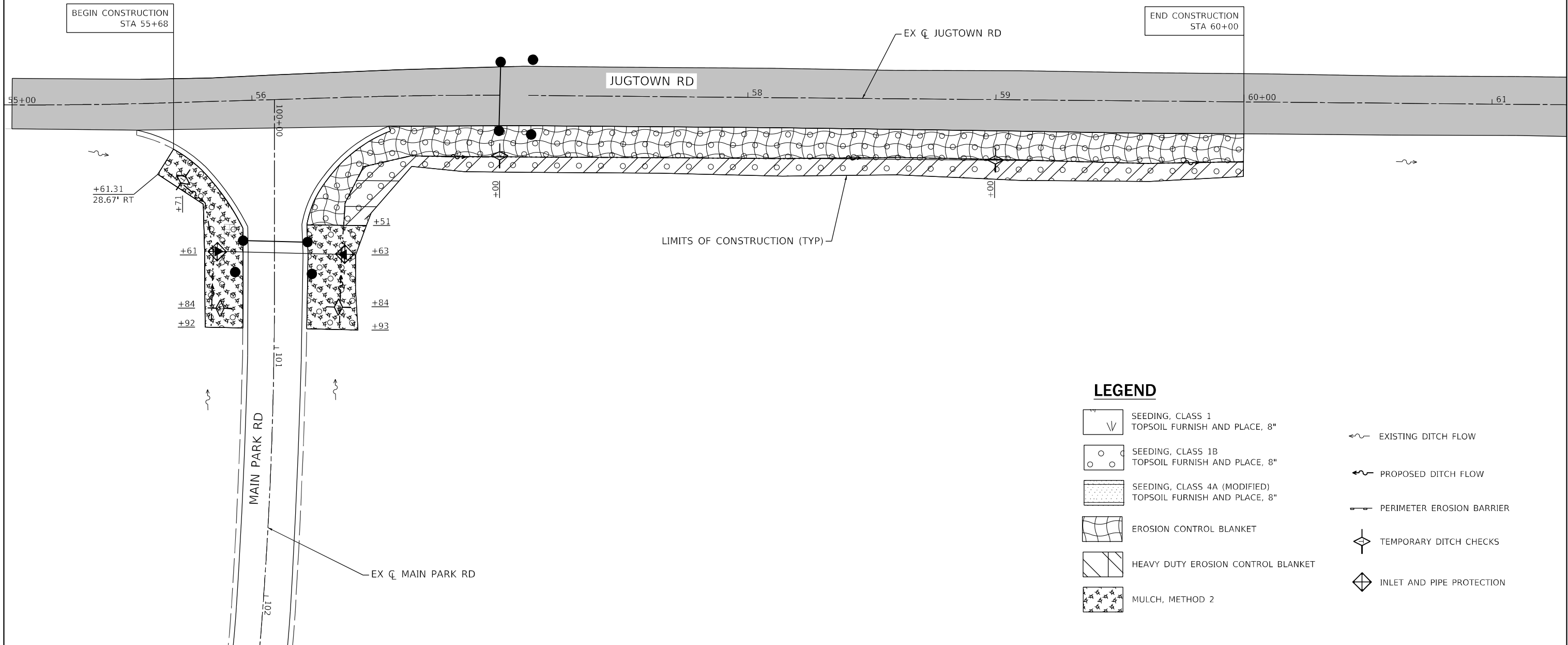
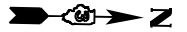
- SEEDING, CLASS 1
TOPSOIL FURNISH AND PLACE, 8"
- SEEDING, CLASS 1B
TOPSOIL FURNISH AND PLACE, 8"
- SEEDING, CLASS 4A (MODIFIED)
TOPSOIL FURNISH AND PLACE, 8"
- EROSION CONTROL BLANKET
- HEAVY DUTY EROSION CONTROL BLANKET
- MULCH, METHOD 2

- EXISTING DITCH FLOW
- PROPOSED DITCH FLOW
- PERIMETER EROSION BARRIER
- TEMPORARY DITCH CHECKS
- INLET AND PIPE PROTECTION



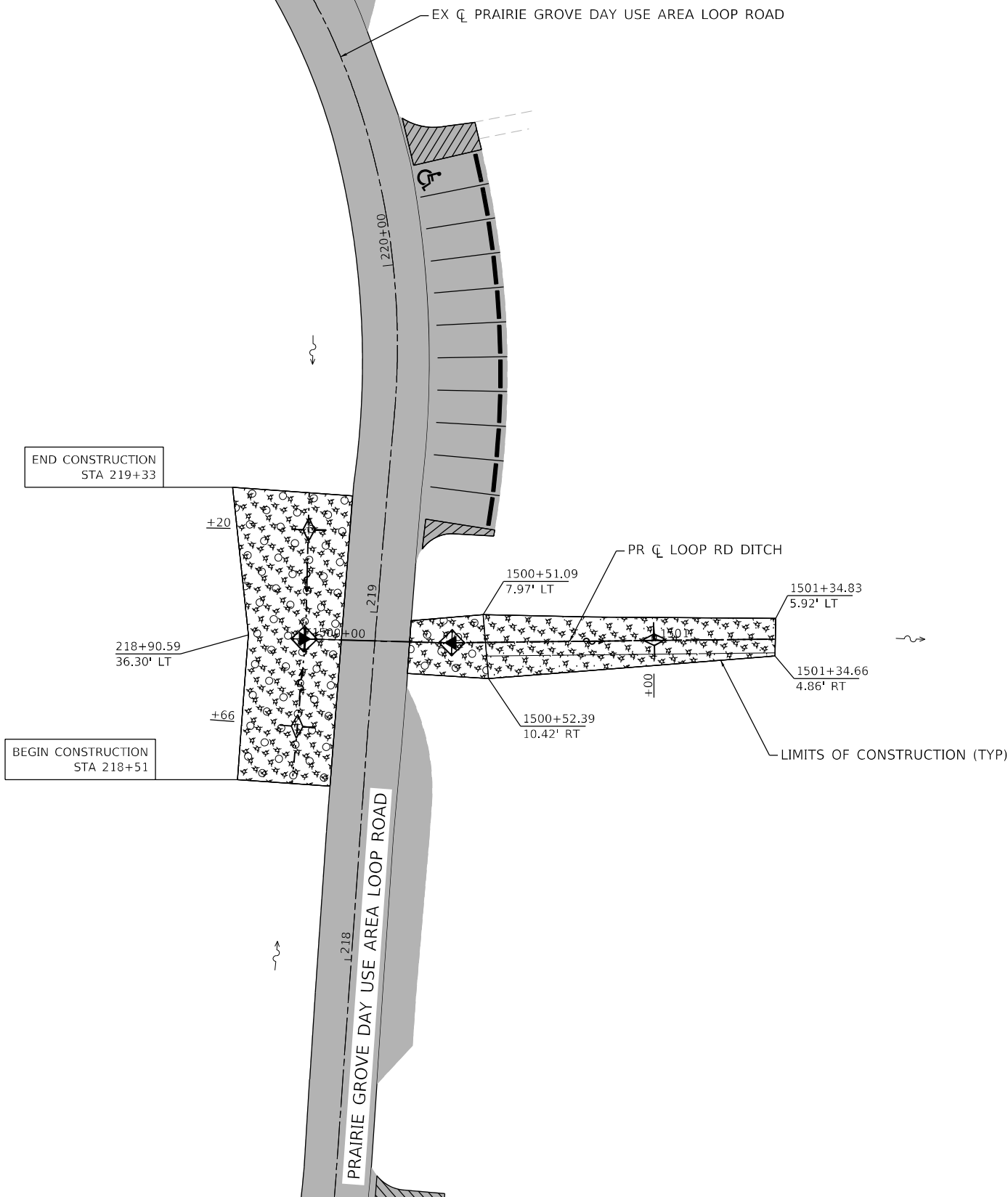
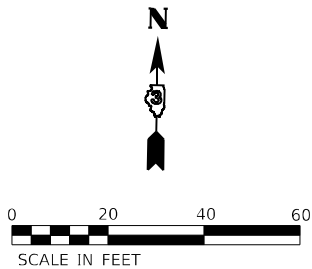
LEGEND

- SEEDING, CLASS 1
TOPSOIL FURNISH AND PLACE, 8"
- SEEDING, CLASS 1B
TOPSOIL FURNISH AND PLACE, 8"
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LEGEND

- | | | | |
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| | EROSION CONTROL BLANKET | | TEMPORARY DITCH CHECKS |
| | HEAVY DUTY EROSION CONTROL BLANKET | | INLET AND PIPE PROTECTION |
| | MULCH, METHOD 2 | | |

LIGHTING SUMMARY OF QUANTITIES

S.P.	PAY ITEM	DESCRIPTION	UNIT	QUANTITY
	81028750	UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT, 2" DIA.	FOOT	200
	81603000	UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND, (XLP-TYPE USE), 3/4" DIA. POLYETHYLENE	FOOT	950
**	82110006	LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	EACH	10
	83600200	LIGHT POLE FOUNDATION, 24" DIAMETER	FOOT	45
*	X8302393	LIGHT POLE, ALUMINUM, 25 FT M.H., 4 FT. ARM (SPECIAL)	EACH	8
*	X8302395	LIGHT POLE, ALUMINUM, 25 FT M.H., 4 FT. ARM, TWIN (SPECIAL)	EACH	1

S.P. COLUMN

- * INDICATES SPECIAL PROVISION
- ** INDICATES SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS

HIGHWAY STANDARDS

821101-02	LUMINAIRE WIRING IN POLE
830001-03	LIGHT POLE ALUMINUM MAST ARM
836001-05	LIGHT POLE FOUNDATION

INDEX OF SHEETS

1	LIGHTING LEGEND & LIGHTING SUMMARY OF QUANTITIES
2	PROPOSED LIGHTING PLANS
3	WIRING DIAGRAM & LUMINAIRE PERFORMANCE TABLE

FILE NAME : D346940_Light.01.dgn	USER NAME = l4nho	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	LIGHTING LEGEND & LIGHTING SUMMARY OF QUANTITIES GOOSE LAKE PRAIRIE STATE NATURAL AREA	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			IDNR	GLP 25	GRUNDY	87	52
	PLOT SCALE = 40.0000 ' / in.	CHECKED -	REVISED -			IDNR NO. 2-23-004		CONTRACT NO. 46940		
	PLOT DATE = 2/20/2025	DATE -	REVISED -			SCALE: NONE SHEET 1 OF 3 SHEETS STA. TO STA. ILLINOIS FED. AID PROJECT				

LIGHTING LEGEND

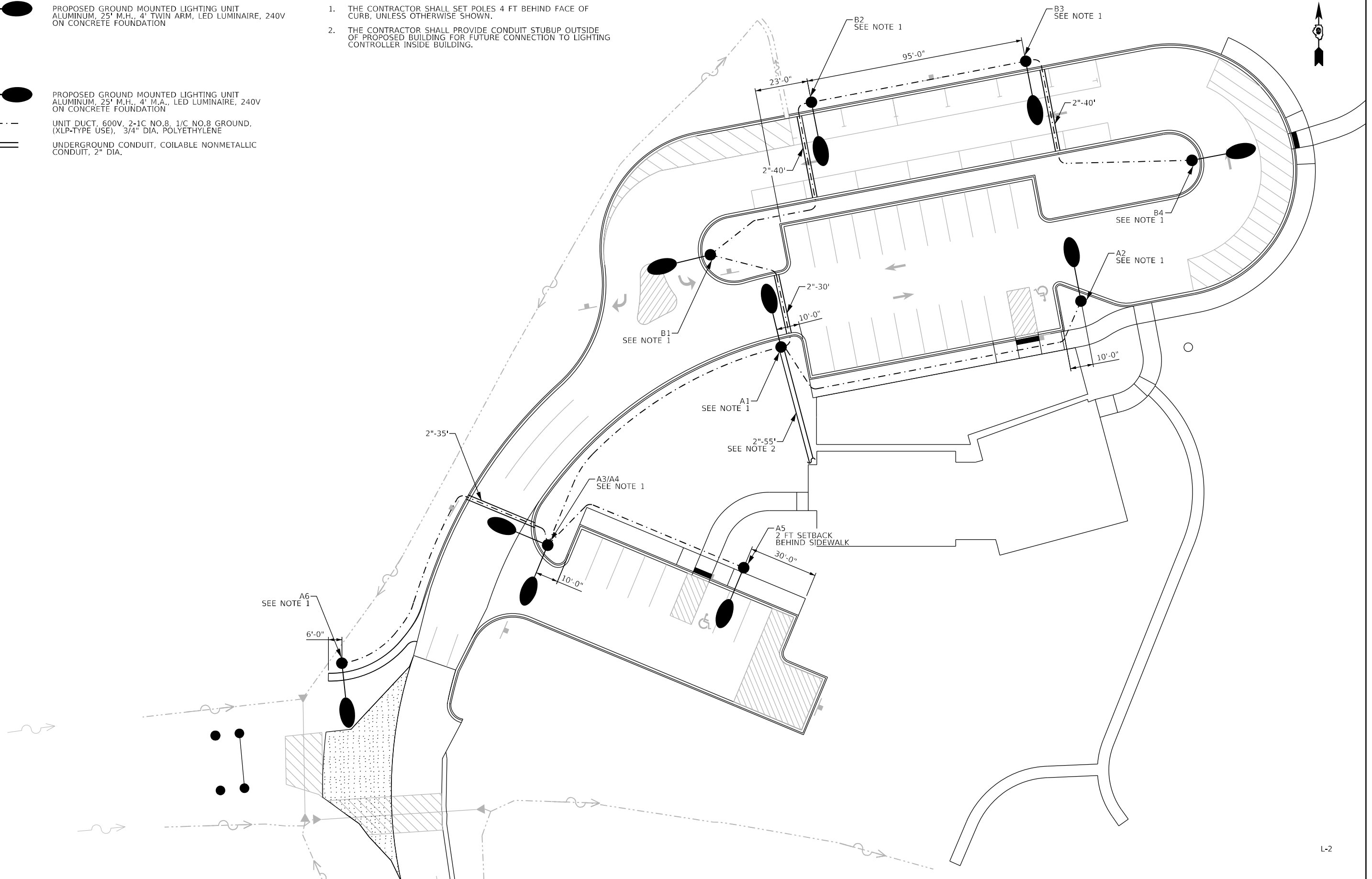
PROPOSED GROUND MOUNTED LIGHTING UNIT
ALUMINUM, 25' M.H., 4' TWIN ARM, LED LUMINAIRE, 240V
ON CONCRETE FOUNDATION

PROPOSED GROUND MOUNTED LIGHTING UNIT
ALUMINUM, 25' M.H., 4' M.A., LED LUMINAIRE, 240V
ON CONCRETE FOUNDATION

UNIT DUCT, 600V, 2-1C NO.8, 1/C NO.8 GROUND,
(XLP-TYPE USE), 3/4" DIA. POLYETHYLENE

UNDERGROUND CONDUIT, COILABLE NONMETALLIC
CONDUIT, 2" DIA.

- NOTES:
1. THE CONTRACTOR SHALL SET POLES 4 FT BEHIND FACE OF CURB, UNLESS OTHERWISE SHOWN.
 2. THE CONTRACTOR SHALL PROVIDE CONDUIT STUBUP OUTSIDE OF PROPOSED BUILDING FOR FUTURE CONNECTION TO LIGHTING CONTROLLER INSIDE BUILDING.

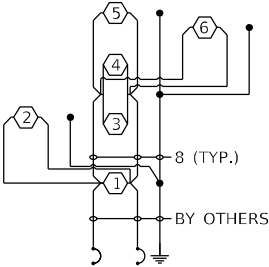


WIRING DIAGRAM NOTES:

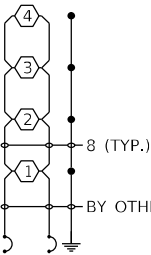
1. ALL NECESSARY REVISIONS TO THE WIRING SHOWN ON THIS SHEET SHALL BE MADE AT NO ADDITIONAL COST TO THE DEPARTMENT AND TO THE SATISFACTION OF THE ENGINEER.

PROPOSED ROADWAY LUMINAIRE, LED

GROUND ROD



2 POLE 20 AMP BREAKER
CKT A
(BY OTHERS)



2 POLE 20 AMP BREAKER
CKT B
(BY OTHERS)

FUTURE LIGHTING CONTROLLER - INSIDE PROPOSED BUILDING
240 VOLT, 60 AMP
(BY OTHERS)

LUMINAIRE PERFORMANCE TABLE
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F

Project

Date	Contract Number	Section Number	County
2-3-2025	46940		GRUNDY
Marked Route Number		Municipality	
IDNR			

Roadway

Lane Width (See Note 4)	*of Lanes	Median Width	I.E.S Surface Classification	0-Zero Value
12 ft	4	N/A	R3	0.07

Structure

Mounting Height	Arm Length	Set Back (See Note 1)	Number of Luminaires (Highmast & Sign Lighting Only)
25 ft	4 ft	4 ft	N/A

Luminaire

Description	I.E.S. Transverse Distribution	I.E.S. Lateral Distribution	
LUMINAIRE, LED, ROADWAY, OUTPUT DESIGNATION F	TYPE III	SHORT/MEDIUM	
Total Light Loss Factor (LLF)	BUG Rating	Shields	Dimming Protocol
0.7	U = 0	NO	0-10V

Layout

Spacing (to Nearest 5 Ft) Configuration (Opposite, Staggered, 1 Sided, or Median)
190 ft TWO ROWS, STAGGERED

Performance (See Note 5)

Average Illuminance, E _{AVE} (fc)	Uniformity Ratio, E _{AVE} /E _{MIN}		
≥ 1.1	≤ 4.0:1		
Average Luminance, L _{AVE} (cd/m ²)	Uniformity Ratio, L _{AVE} /L _{MIN}	Uniformity Ratio, L _{MAX} /L _{MIN}	Velling Luminance Ratio, L _y /L _{MIN}
N/A	N/A	N/A	N/A

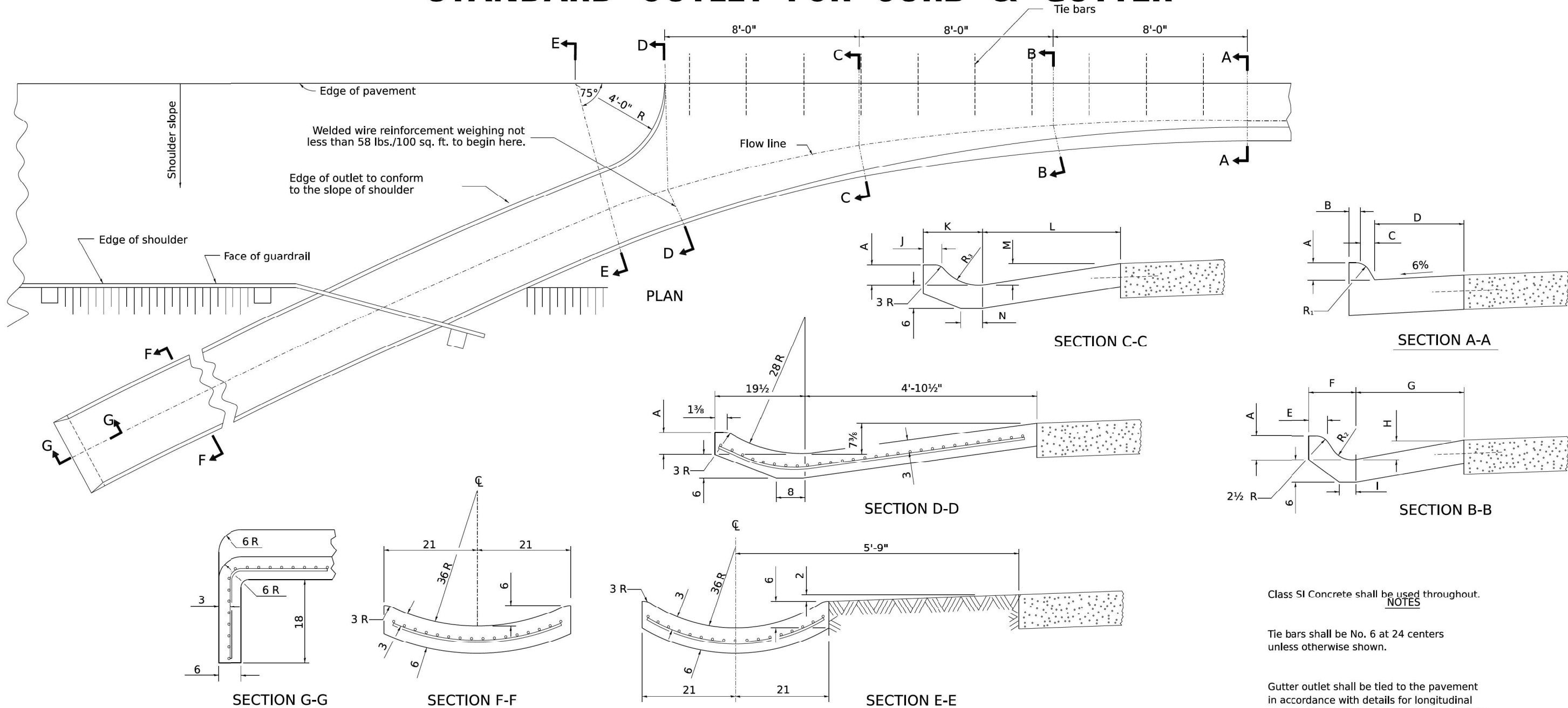
Light Trespass

Distance to ROW (behind pole)	Max. Horizontal Illuminance at ROW, E _H	Max. Vertical Illuminance at ROW, E _v
N/A	N/A	N/A

Notes

- Set Back is from Edge of Pavement (white line).
- Lighting calculations shall be performed with all luminaires oriented toward and perpendicular to roadway.
- Performance requirements shall be the minimum acceptable standards of photometric performance for the luminaire, based on the given conditions above.
- Lane width is the width of each individual lane, not to be confused with total roadway width.
- Compliance with performance criteria shall be held to one significant digit.
- Luminaire performance table is intended to define the luminaire and does not necessarily match any specific roadway geometry, mounting height, setback, or arm length.

STANDARD OUTLET FOR CURB & GUTTER



Class SI Concrete shall be used throughout.

NOTES

Tie bars shall be No. 6 at 24 centers unless otherwise shown.

Gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

If the average grade of pavement for the distance from Section A-A to D-D exceeds 2%, this distance shall be increased 6' for each 1% increase in grade.

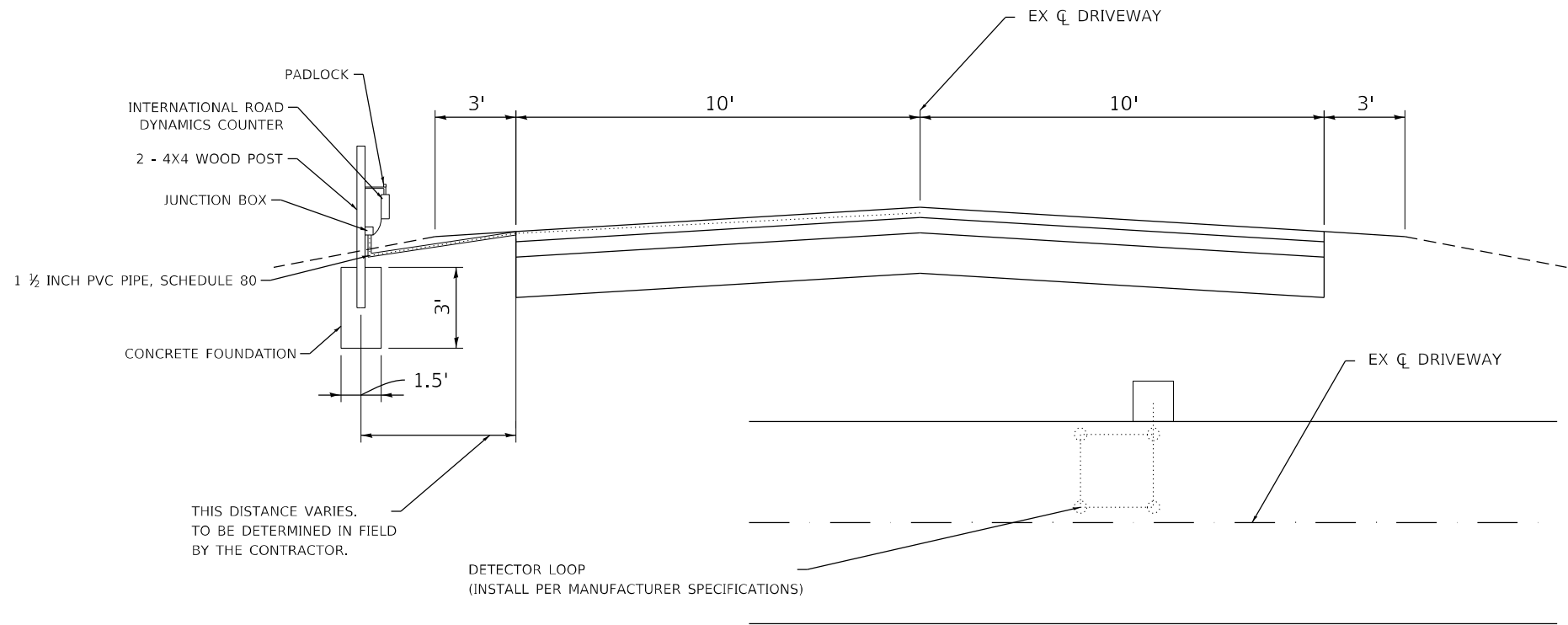
When curb and gutter is constructed adjacent to flexible pavement, a 1 expansion joint shall be installed at construction joints.

All dimensions are in inches unless otherwise shown.

QUANTITY

For Section F-F = 0.069 cu. yds. concrete per ft.

TYPE OF CURB & GUTTER	TABLE OF DIMENSIONS																	CONCRETE QUANTITY A-A TO E-E AND CURTAIN WALL FOR 9 PAV'T (CU YDS)	CONCRETE QUANTITY A-A TO E-E AND CURTAIN WALL FOR 10 PAV'T (CU YDS)
	A	SECTION A-A			SECTION B-B					SECTION C-C					R ₁	R ₂	R ₃		
		B	C	D	E	F	G	H	I	J	K	L	M	N					
B-6.12	6	6	1	12	3	7⅞	13¾	2¾	4	3	12⅞	26½	5	6	1	2	8	1.87	1.89
B-6.18	6	6	1	18	3¾	9¼	22	3	5	3½	14¼	28¾	5⅞	5½	1	4	10	2.18	2.20
M-4.06	4	3	4	6	3	9½	10½	2	4	3	13	25	3	6	3	5	11	1.78	1.79
M-4.12	4	3	4	12	3⅝	9¾	13¾	2¾	6	3	13½	26½	5	6	3	5	9	1.89	1.91
M-4.18	4	3	4	18	3½	9¼	22	3	5	3½	14¼	28¾	5⅞	5½	3	4	10	2.11	2.13
M-4.24	4	3	4	24	5	11½	26	3⅞	4	3¾	15	38	5⅞	5	3	6	12	2.34	2.37
M-6.06	6	2	6	6	2¼	9¾	10½	2	4	2½	13	25	3	6	2	5	10	1.84	1.86
M-6.12	6	2	6	12	3½	8⅞	13¾	2¾	6	3	13½	26½	5	6	2	2	9	1.96	1.98
M-6.18	6	2	6	18	3½	9⅞	22	3	5	3½	14¼	28¾	5⅞	5½	2	4	10	2.18	2.20
M-6.24	6	2	6	24	5⅞	11	26	3⅞	4	3¾	17¾	38	5⅞	5	2	3¼	16	2.46	2.49

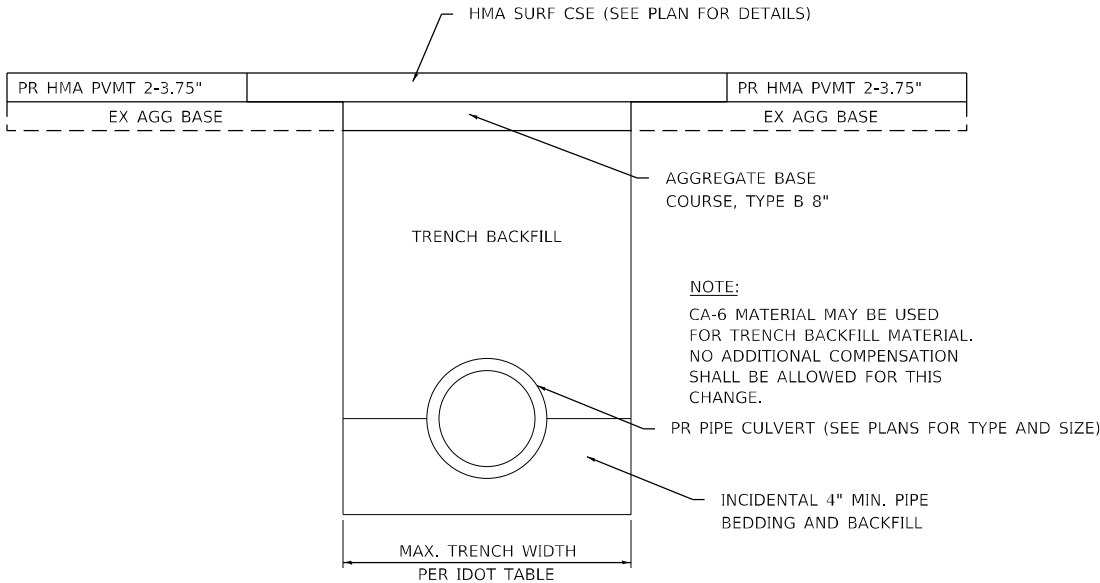


NOTES:
1. ENGINEER'S APPROVAL IS REQUIRED BEFORE INSTALLING THE SYSTEM.

TIRTL TRAFFIC COUNTER
SCHEDULE OF QUANTITIES
(FOR INFORMATION ONLY)

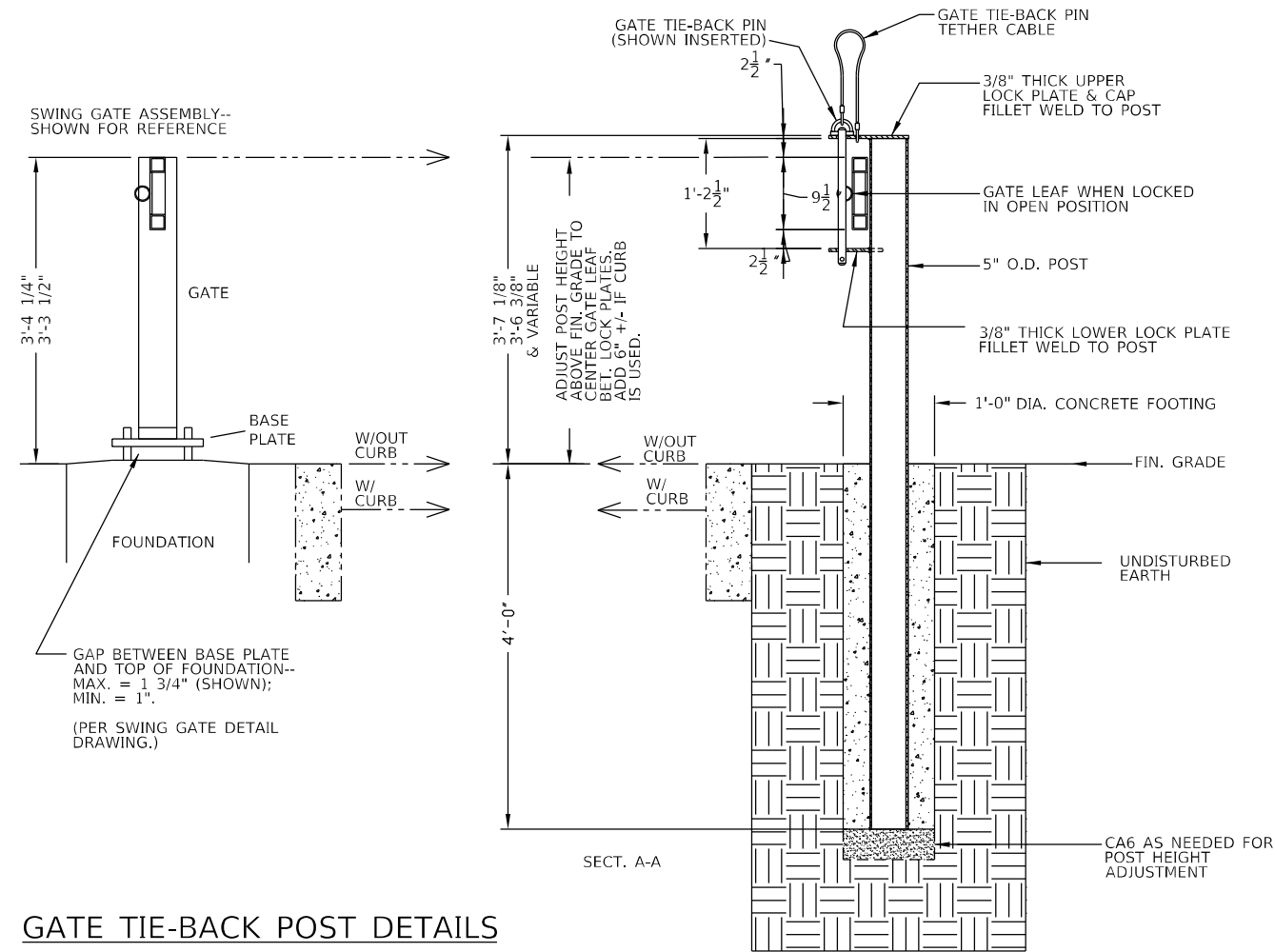
CODE NO.	ITEM	UNIT	QUANTITY
X0323388	TRAFFIC COUNTER (INCLUDES BELOW)	EACH	1
	WOOD SUPPORT	EACH	16
	CONCRETE FOUNDATIONS	CU YD	0.5
	INTERNATIONAL ROAD DYNAMICS COUNTER:		
	TRAFFIC ACE ACCUMULATOR (2 LOOP)	EACH	1
	BATTERY (PER MANUFACTURER SPECIFICATION)	EACH	1
	1 1/2" PVC PIPE	FOOT	15
	JUNCTION BOX	EACH	1
	LOOP DETCTOR CABLE	FOOT	60

TRAFFIC COUNTER DETAIL

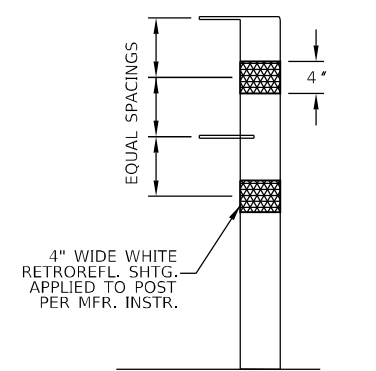


CULVERT BACKFILL METHOD

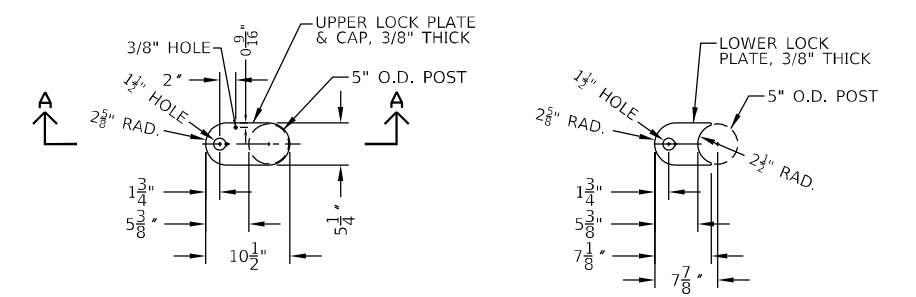
N.T.S
FOR BACKFILLING BENEATH ASPHALT AND
CRUSHED STONE SURFACES



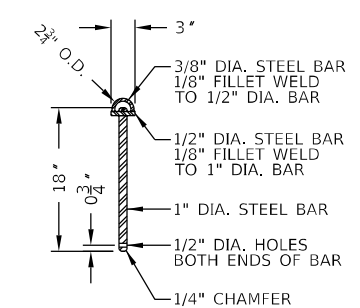
GATE TIE-BACK POST DETAILS



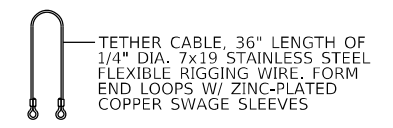
RETROREFLECTIVE SHEETING DETAIL



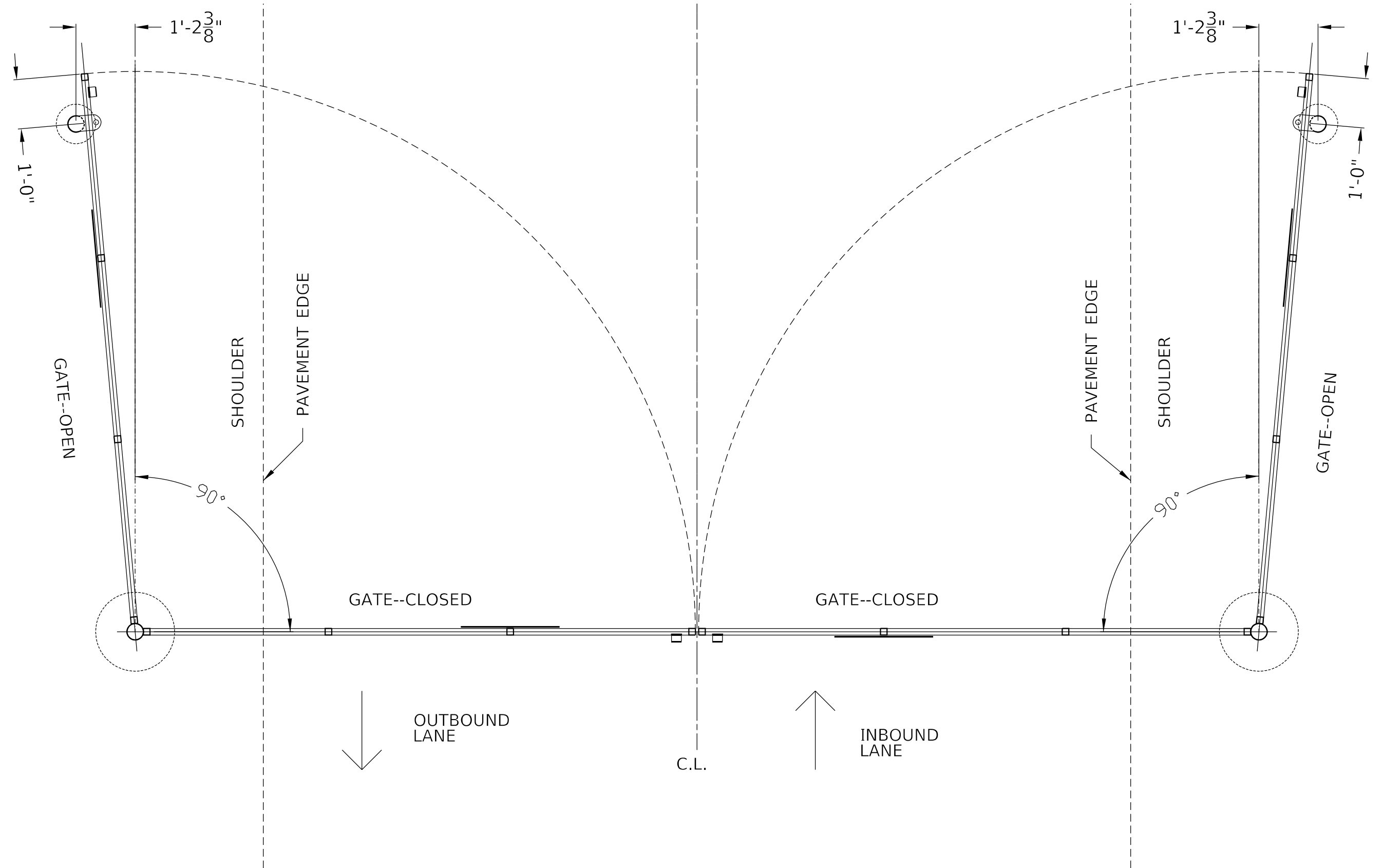
UPPER AND LOWER LOCK PLATES



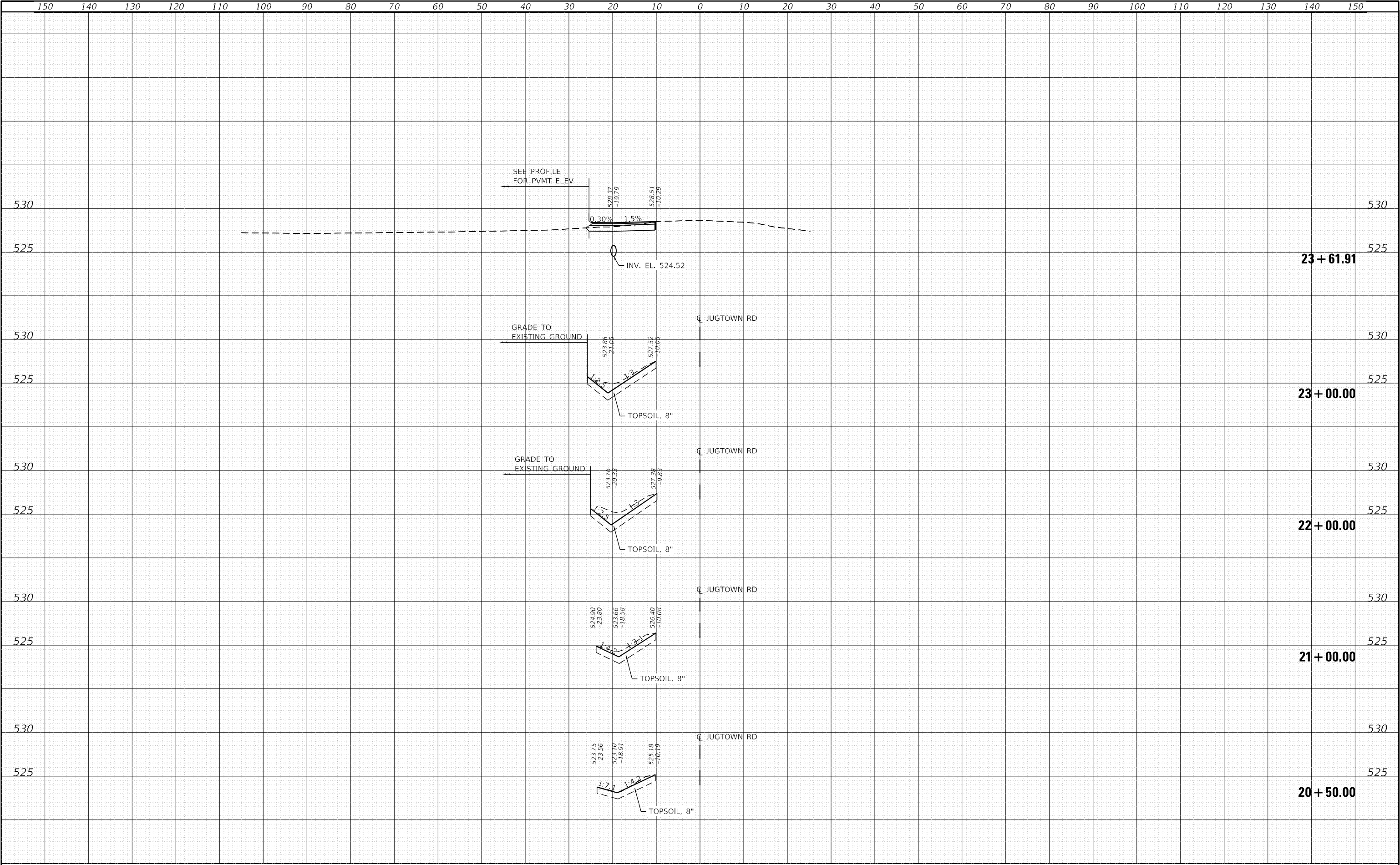
GATE TIE-BACK PIN DETAIL

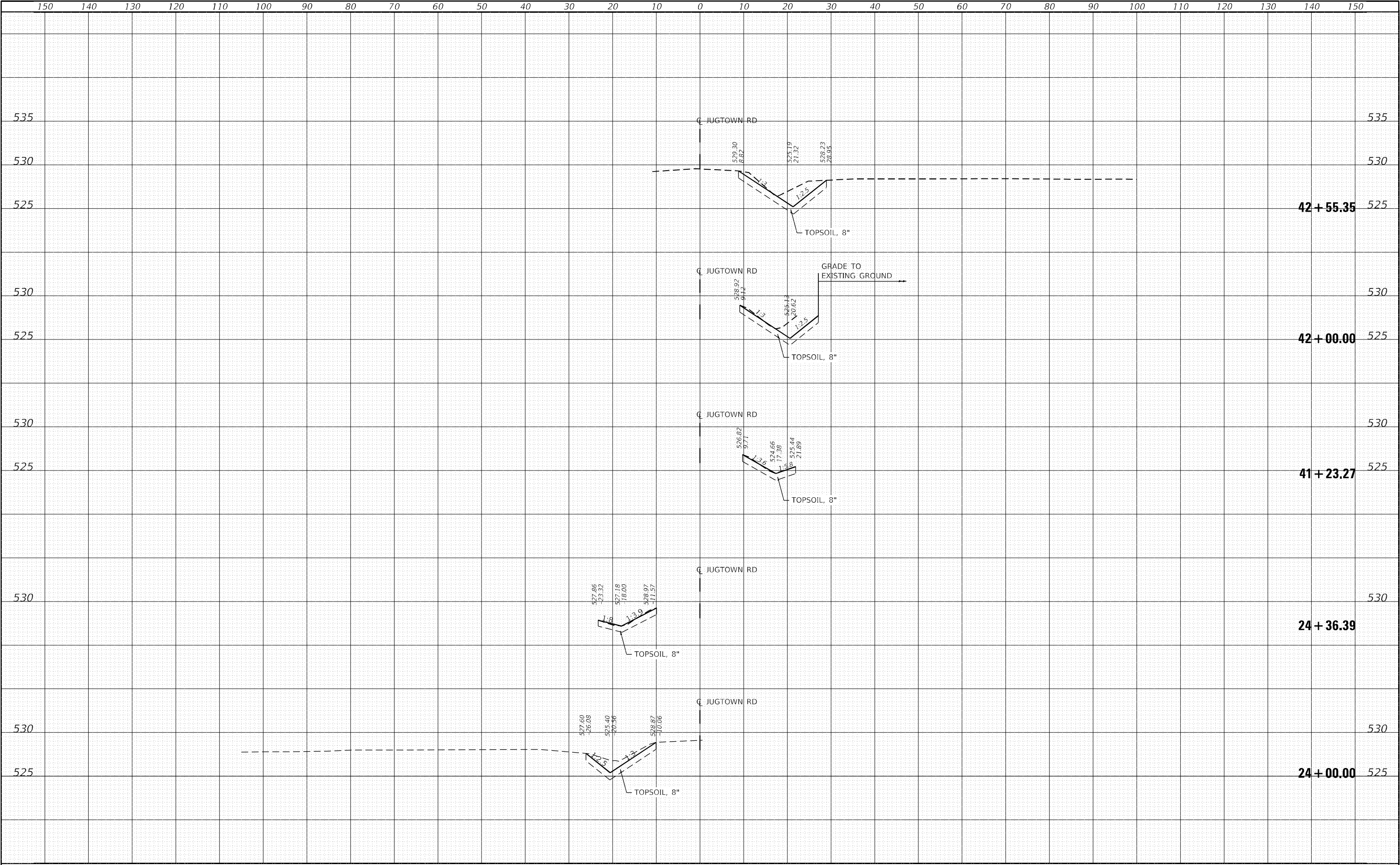


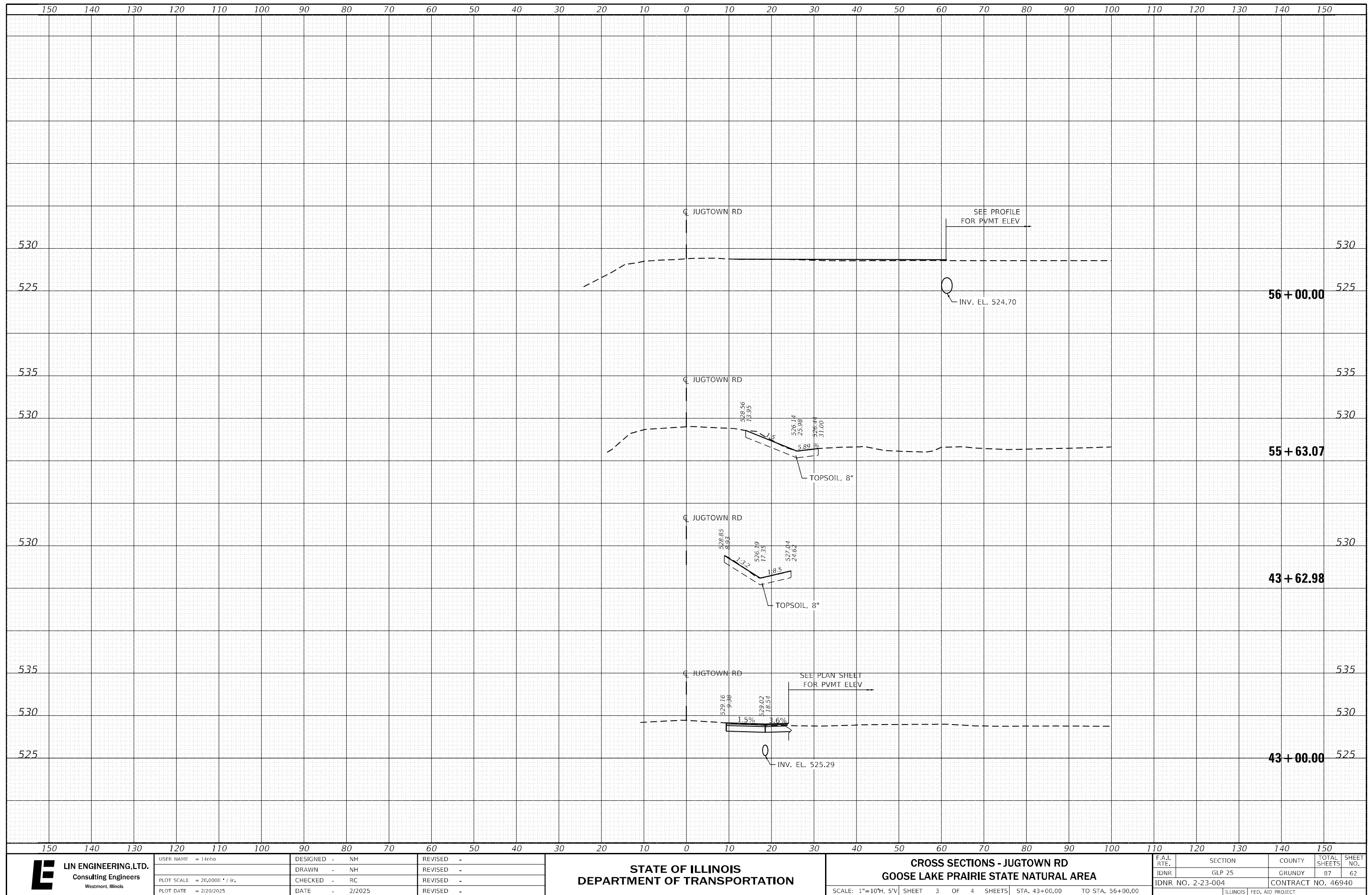
TIE-BACK PIN TETHER CABLE DETAIL

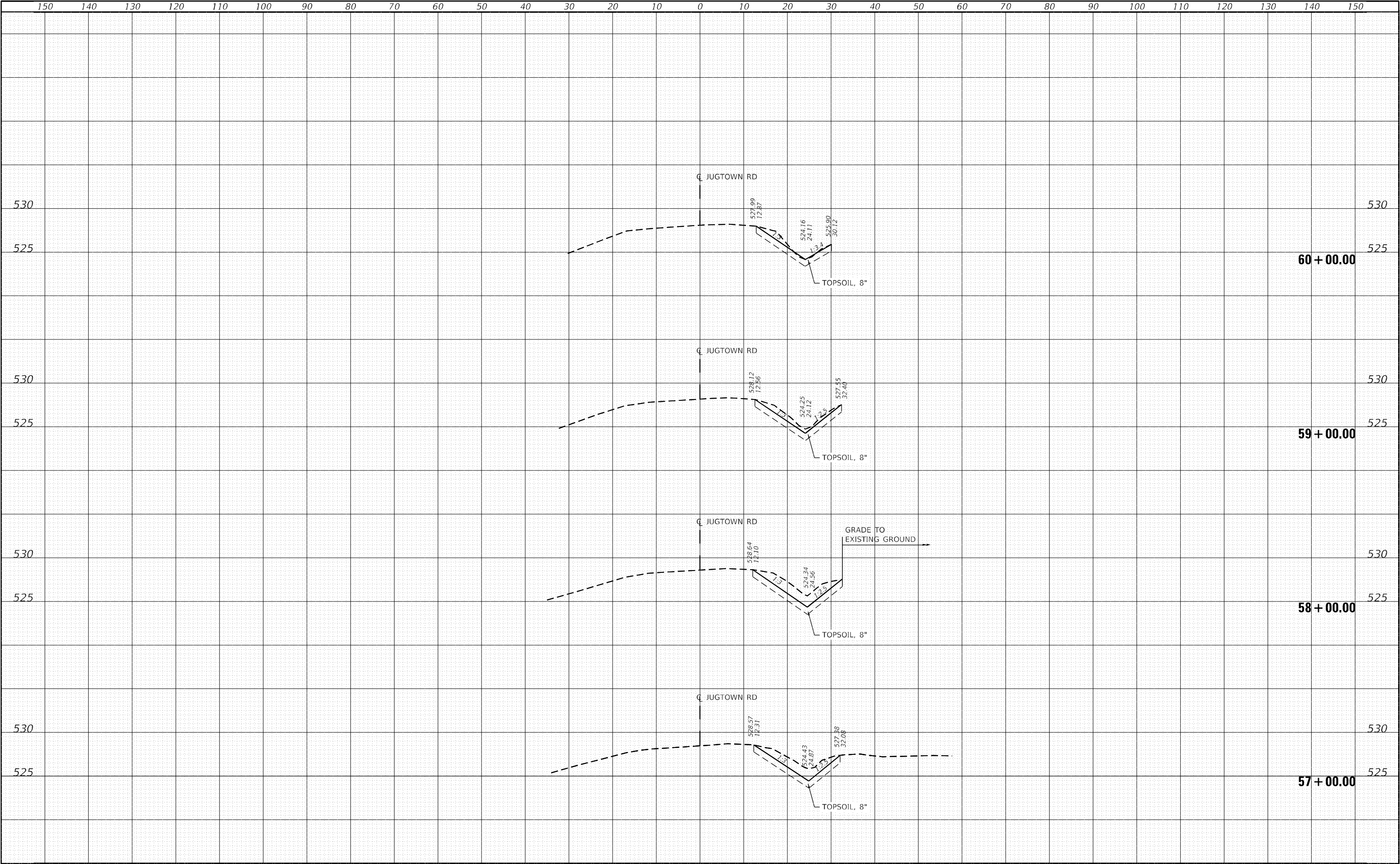


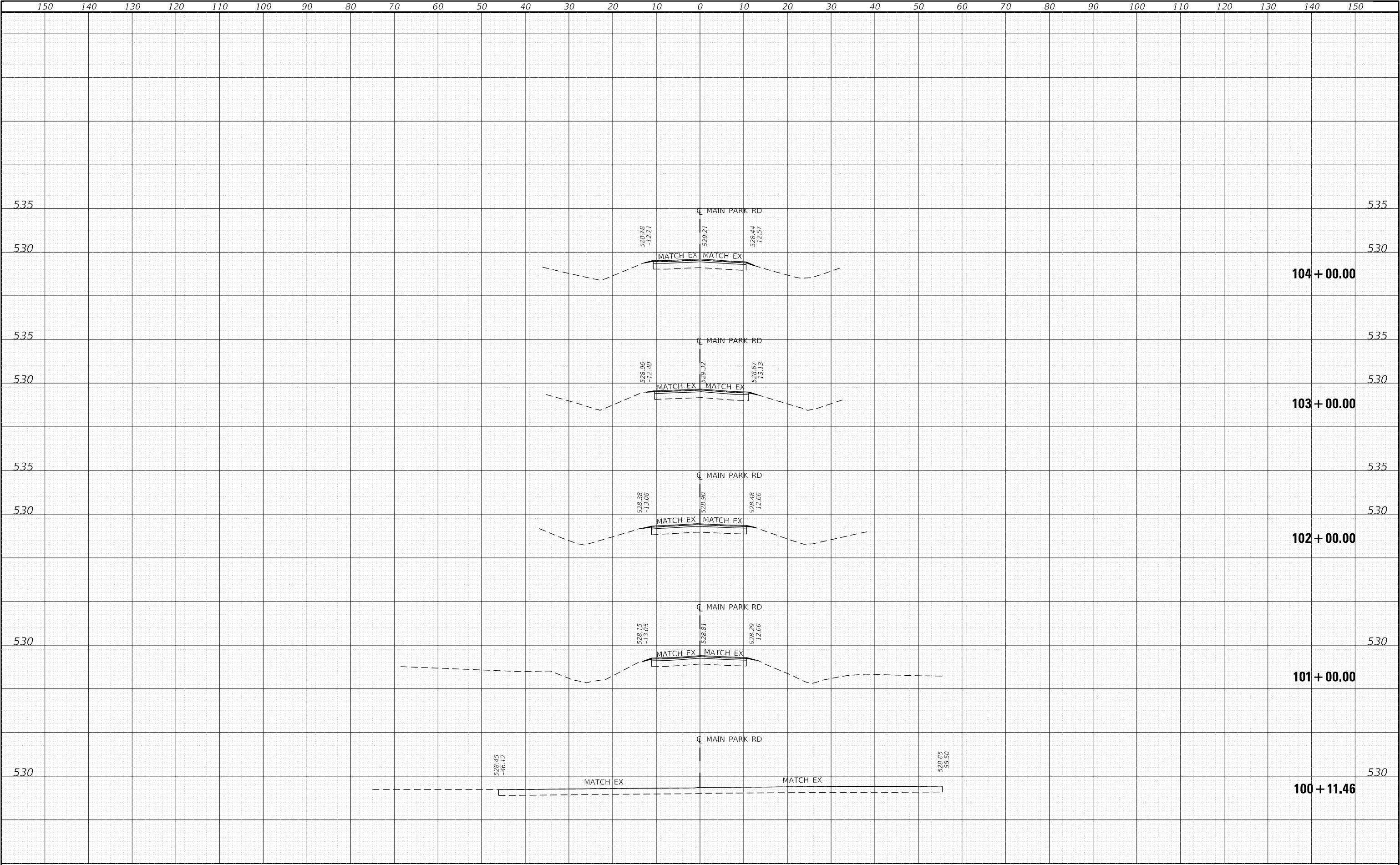
SWING GATE TIE-BACK POST
SITE PLAN

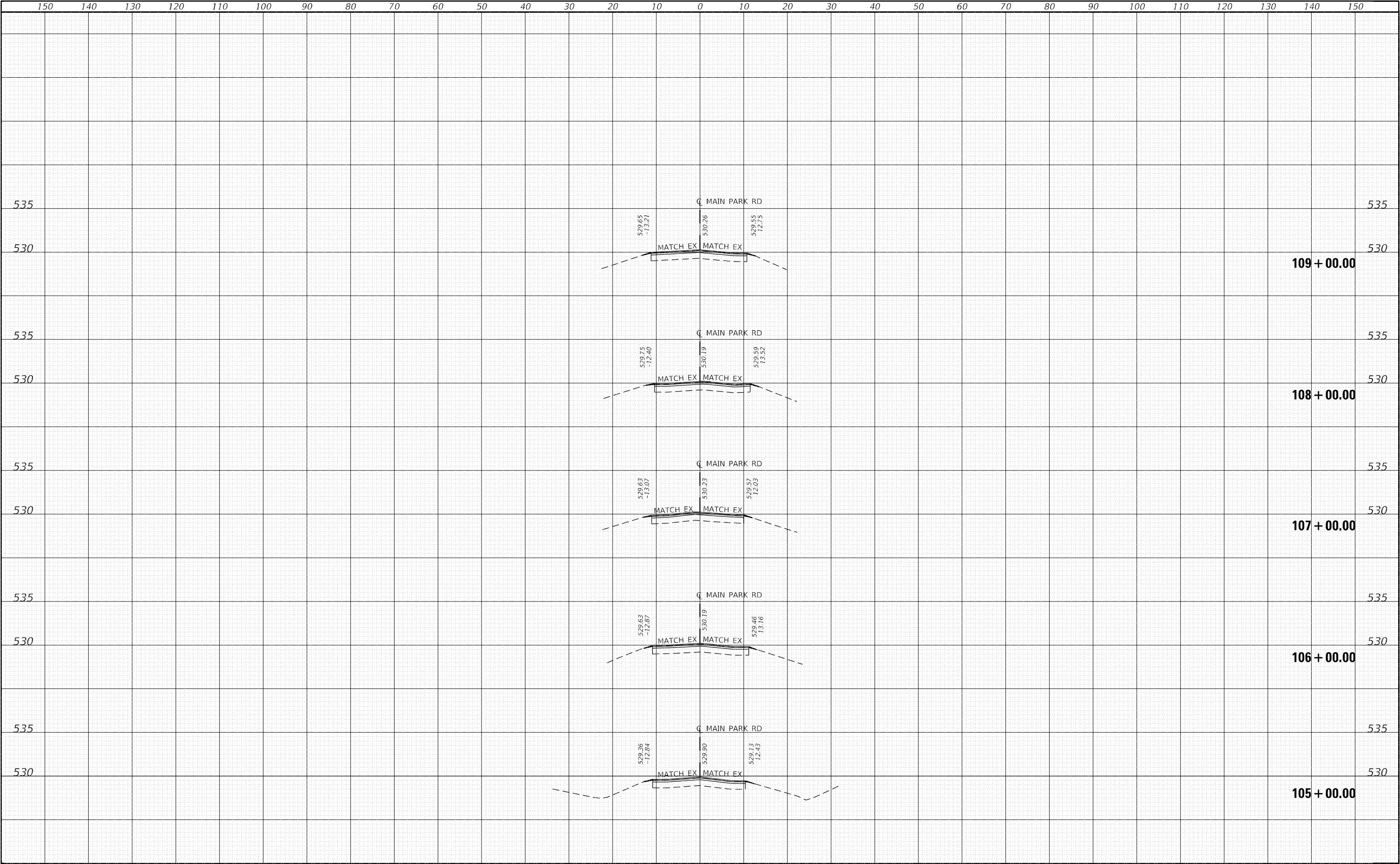


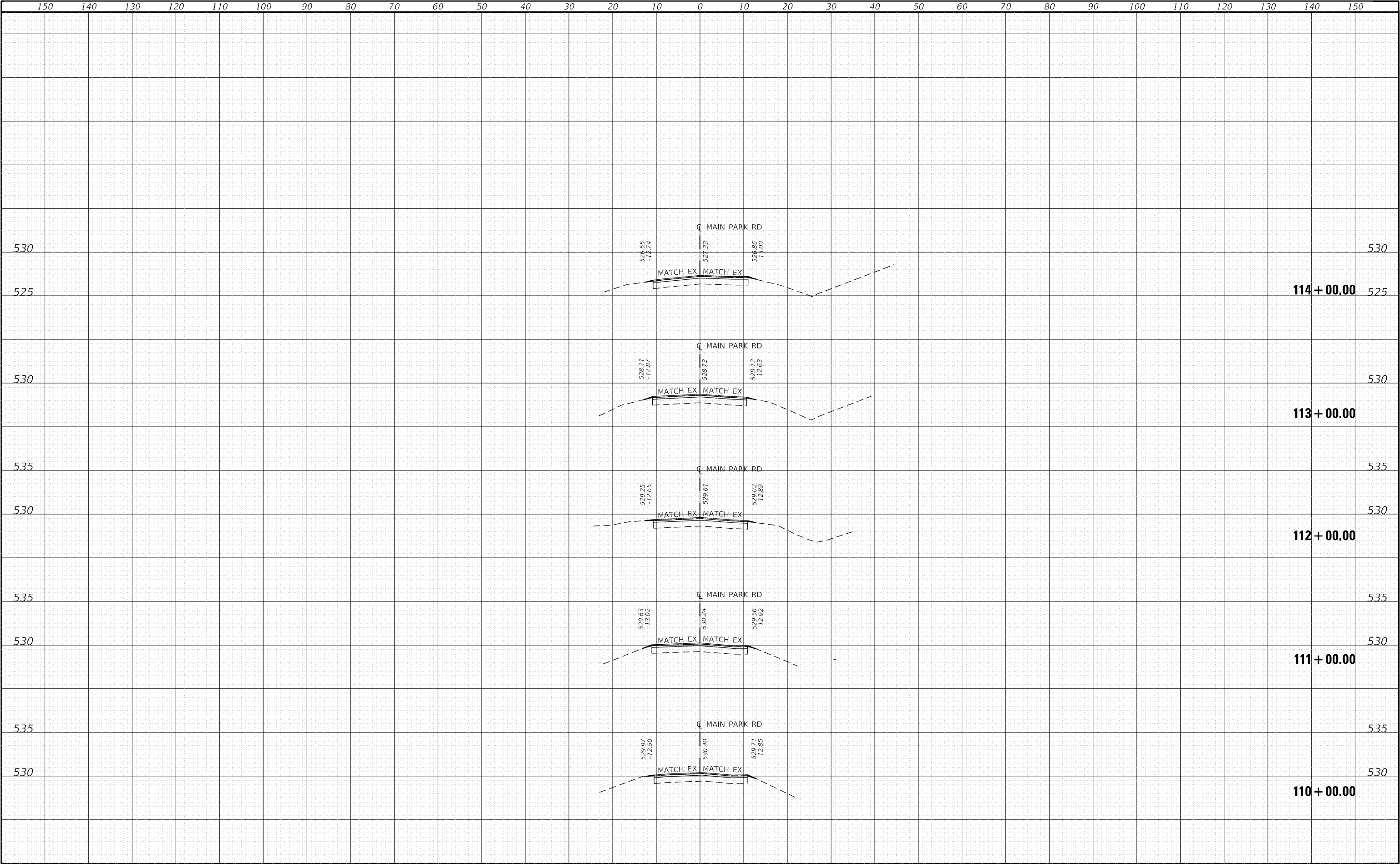


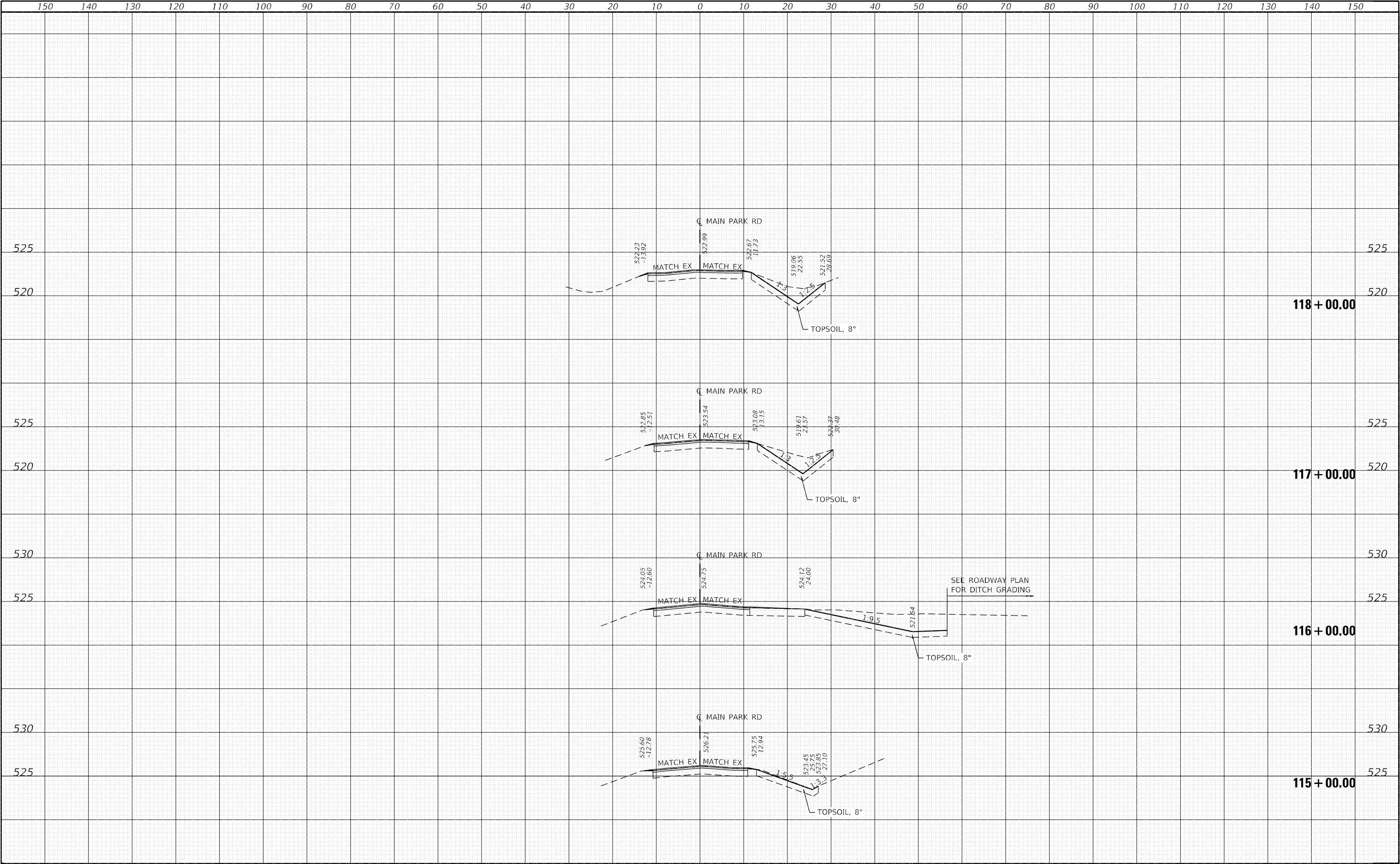


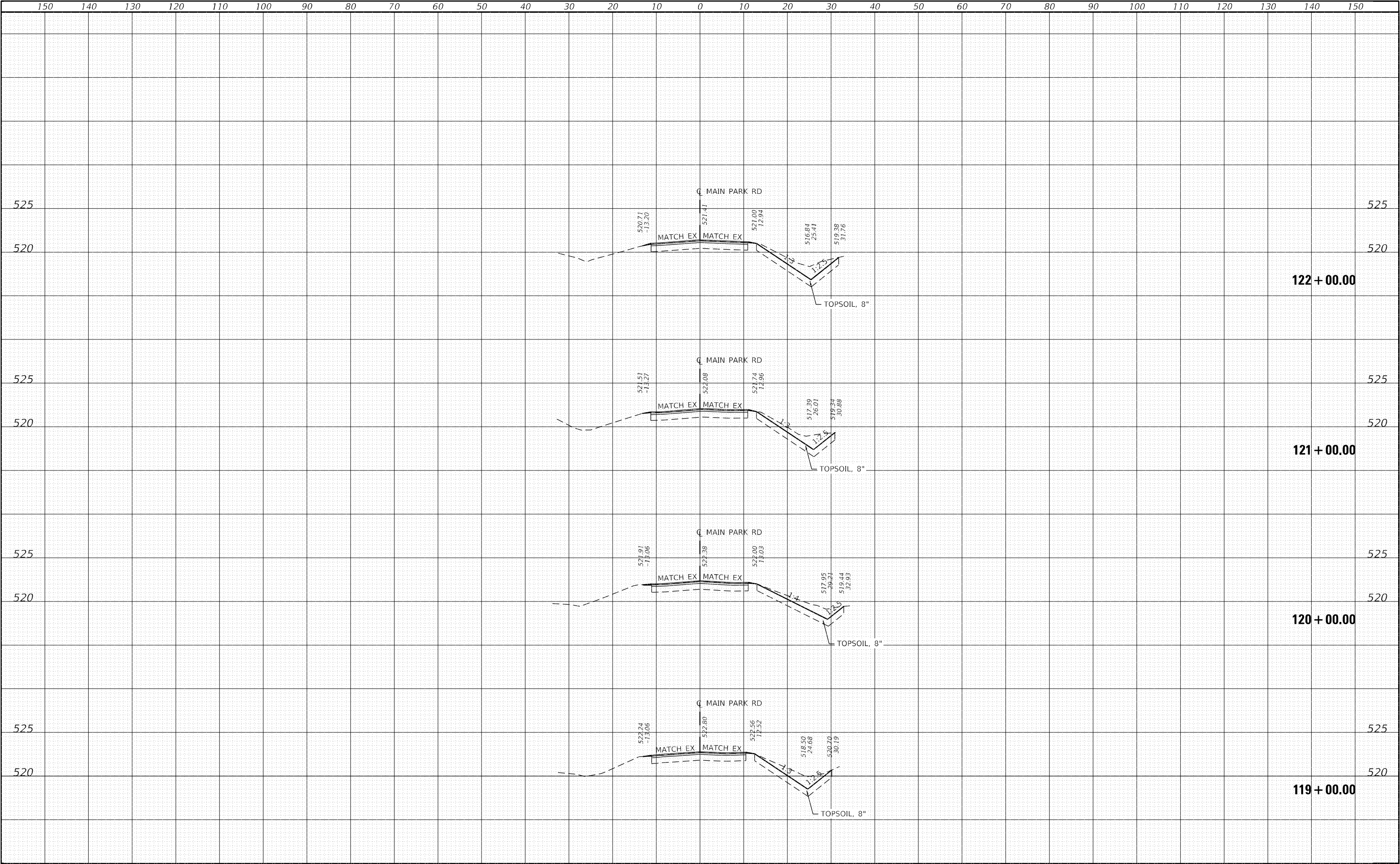


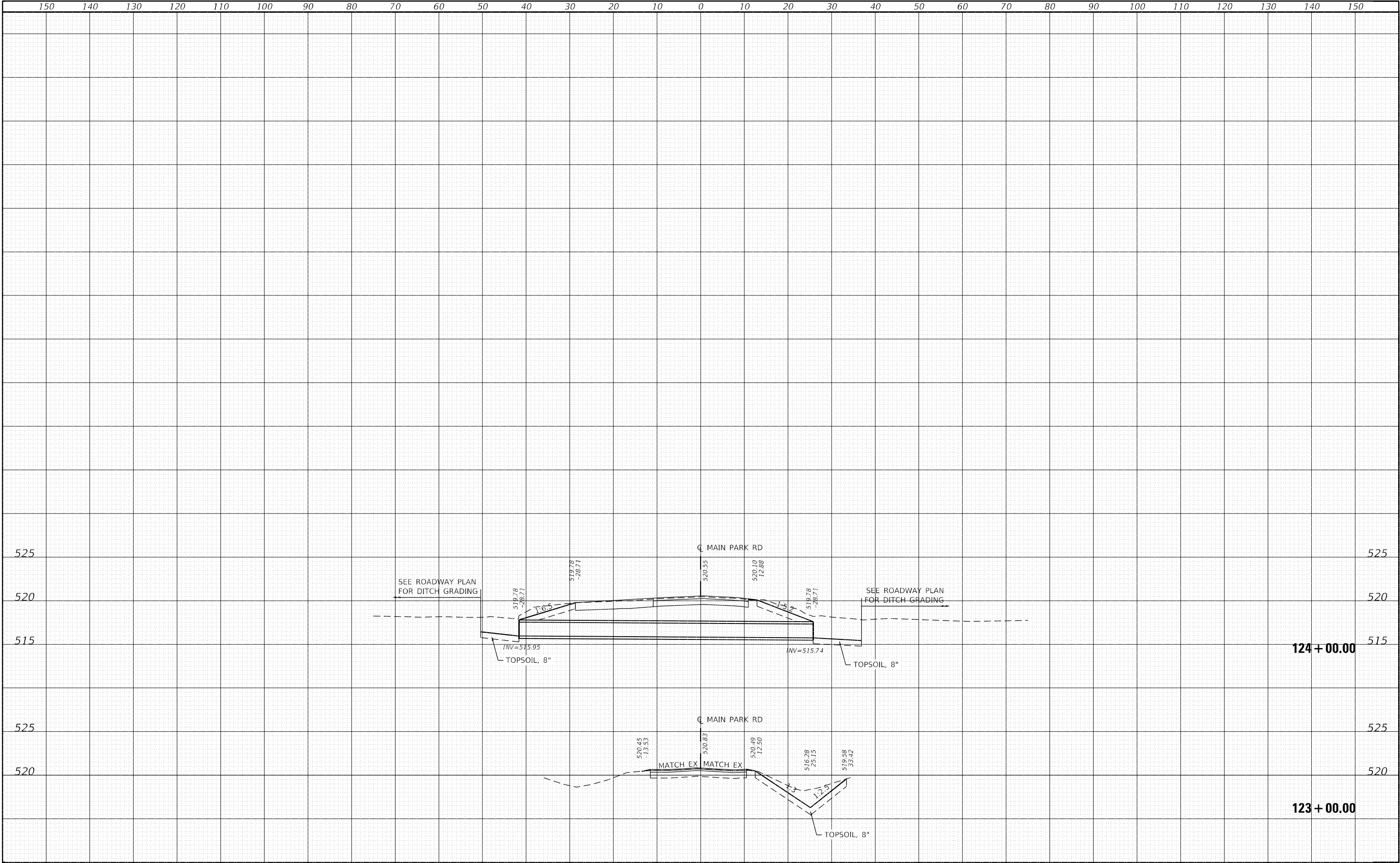


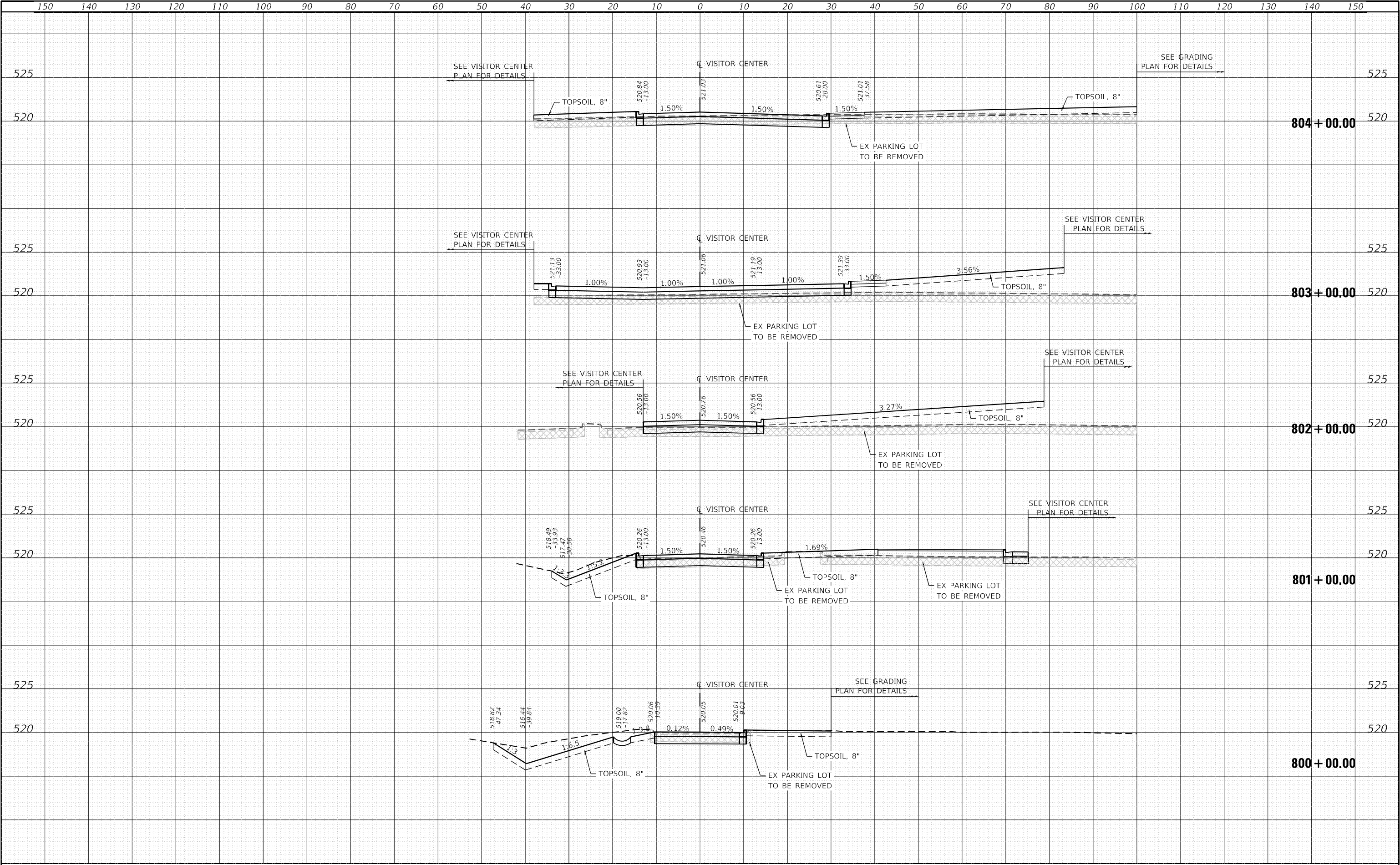


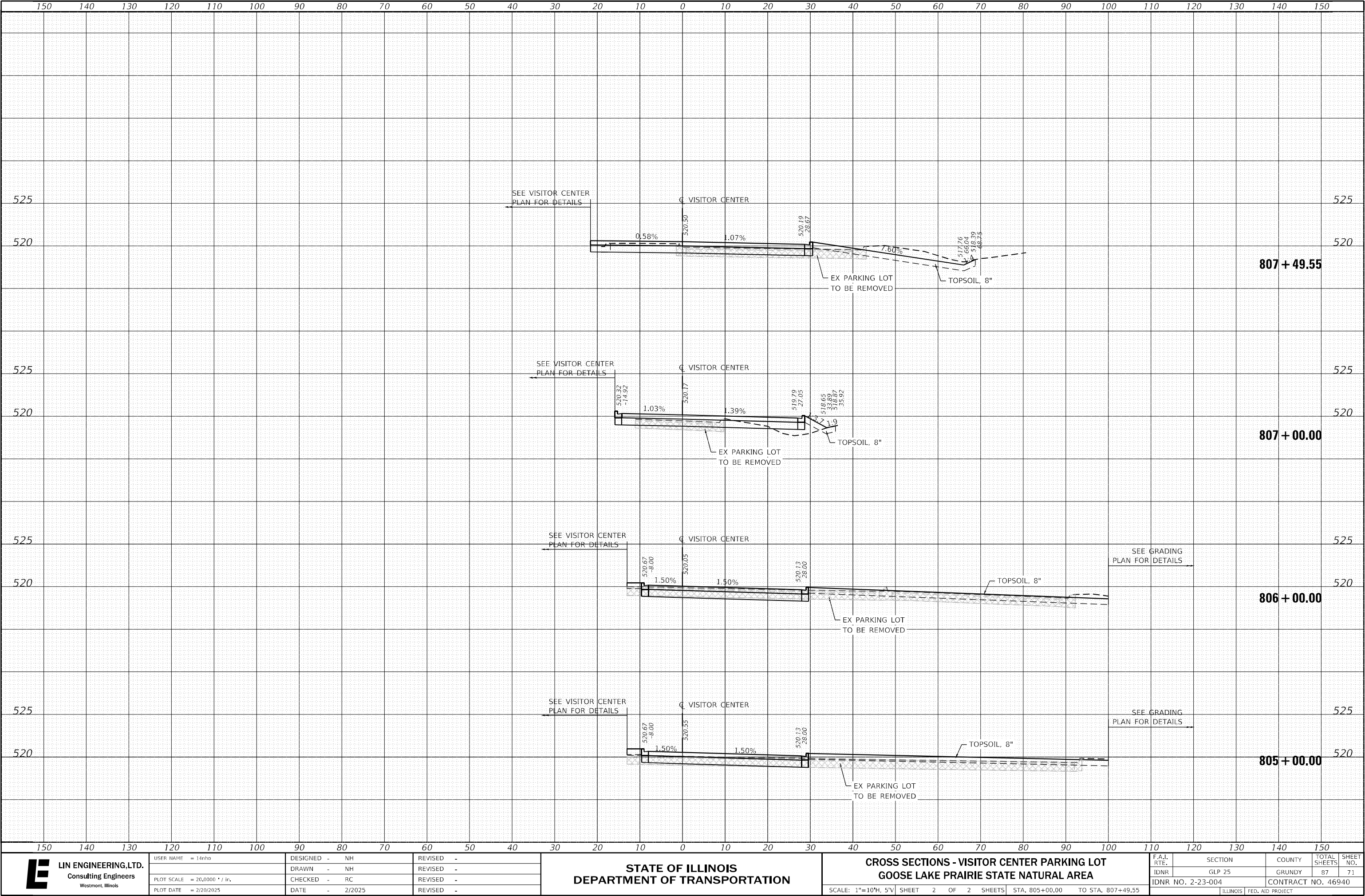


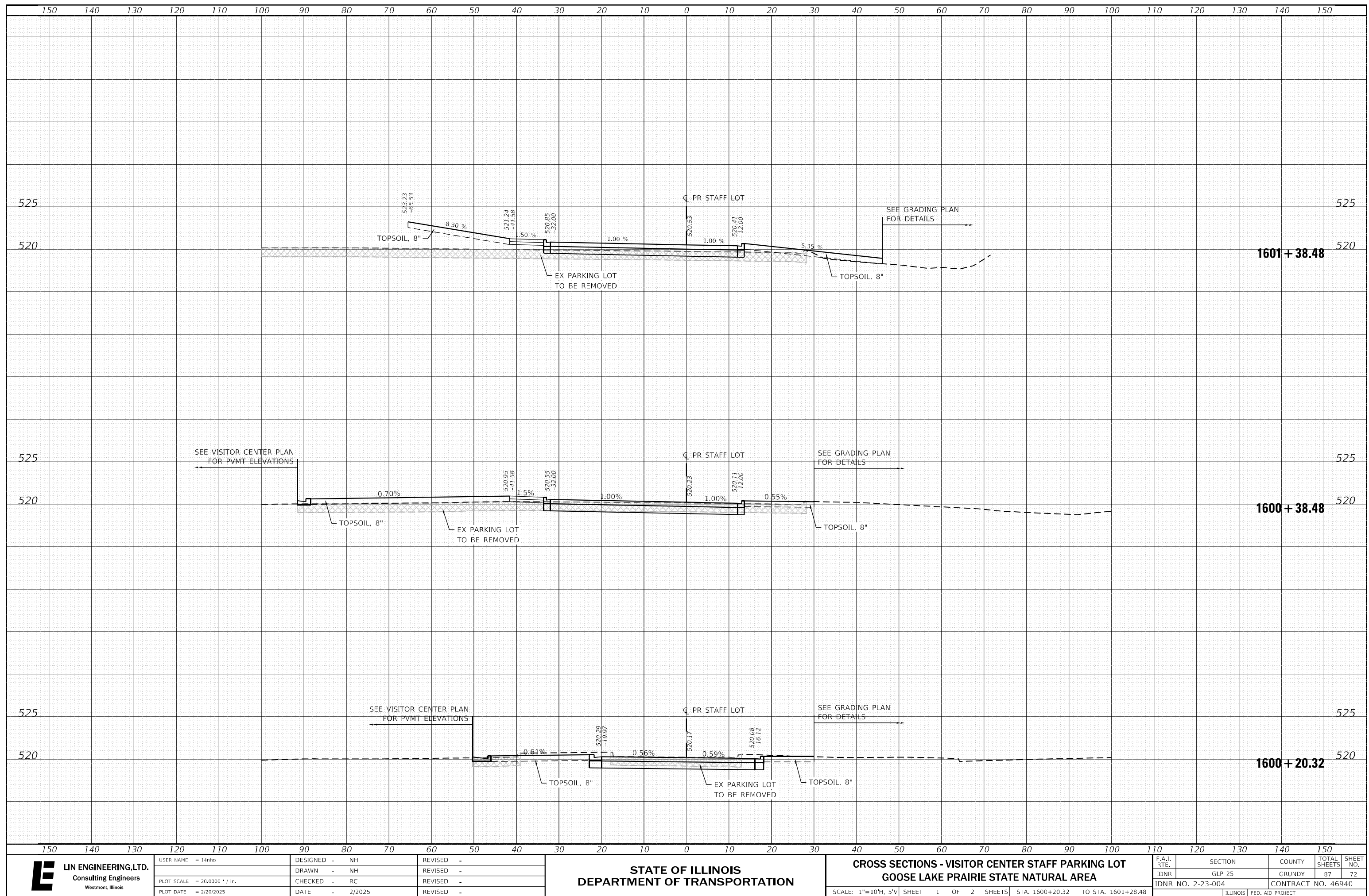


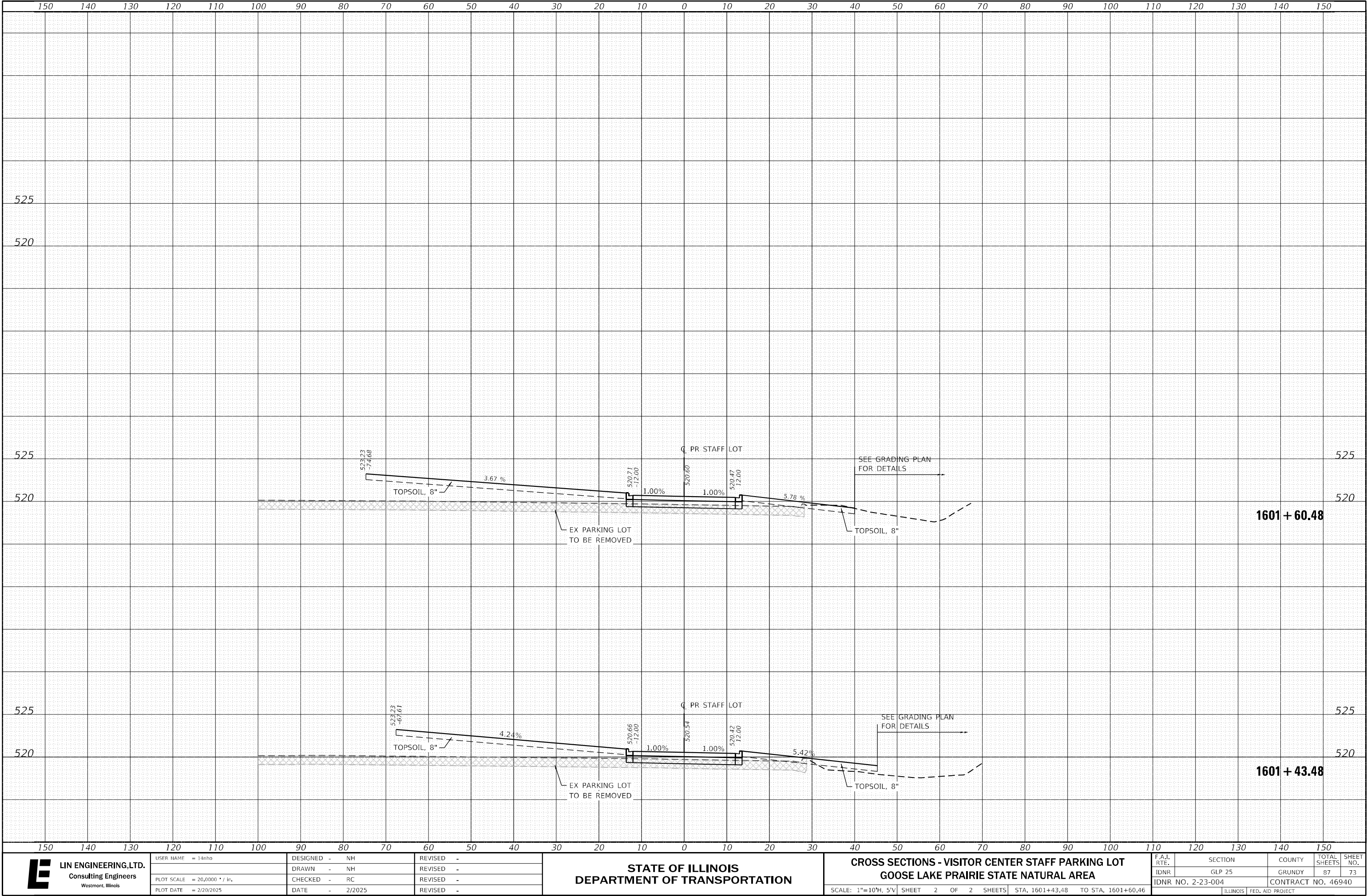


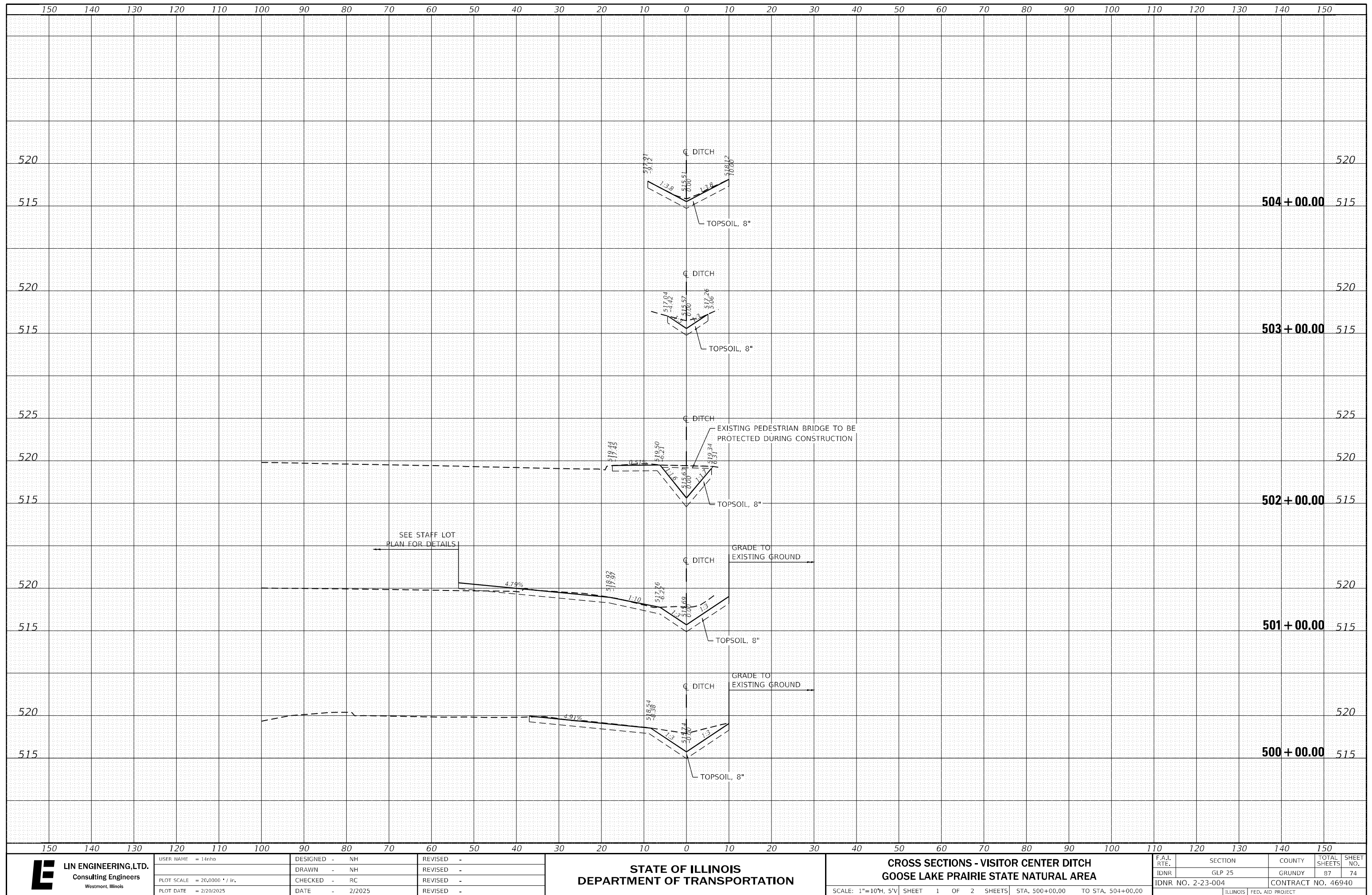


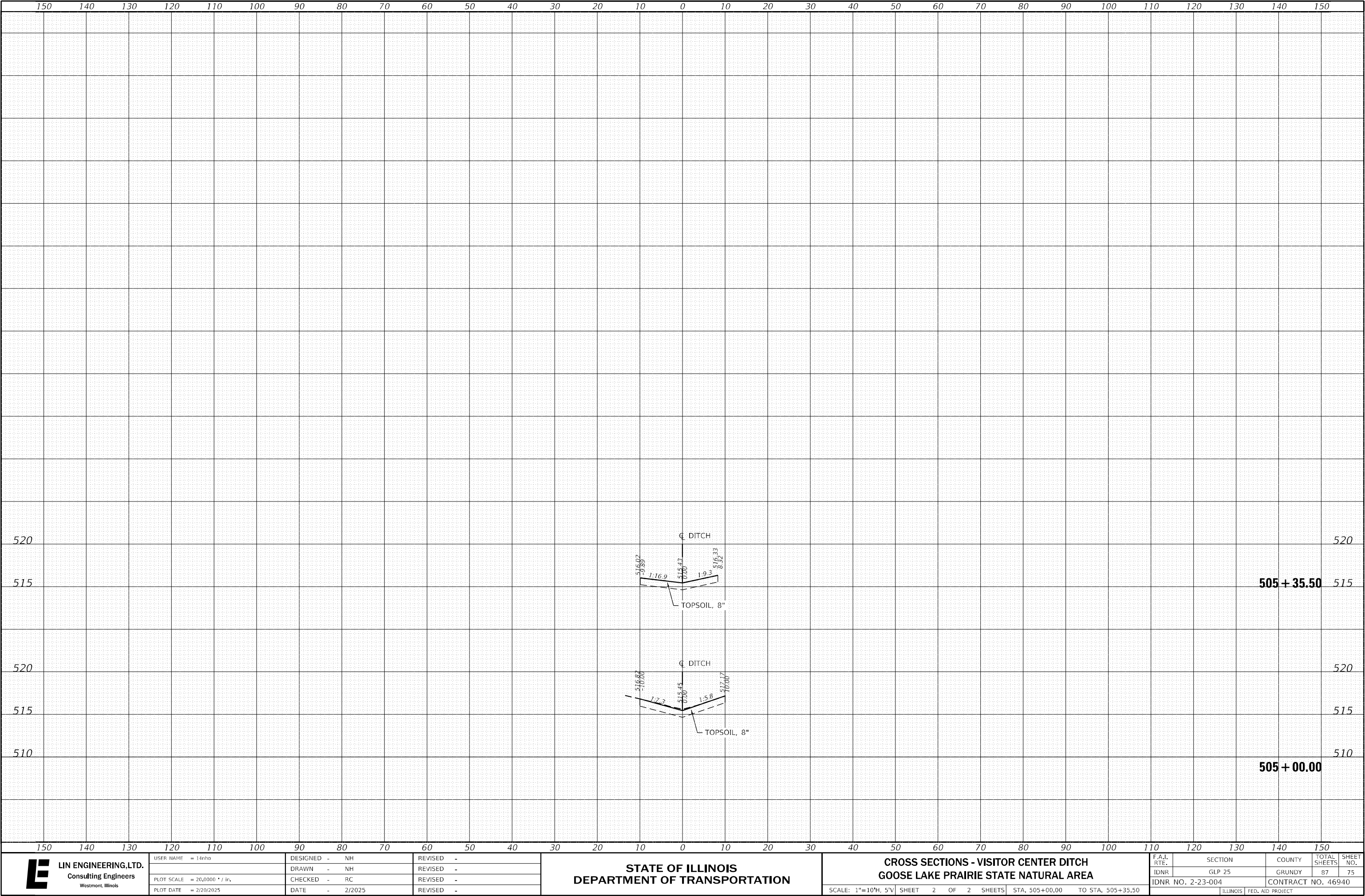


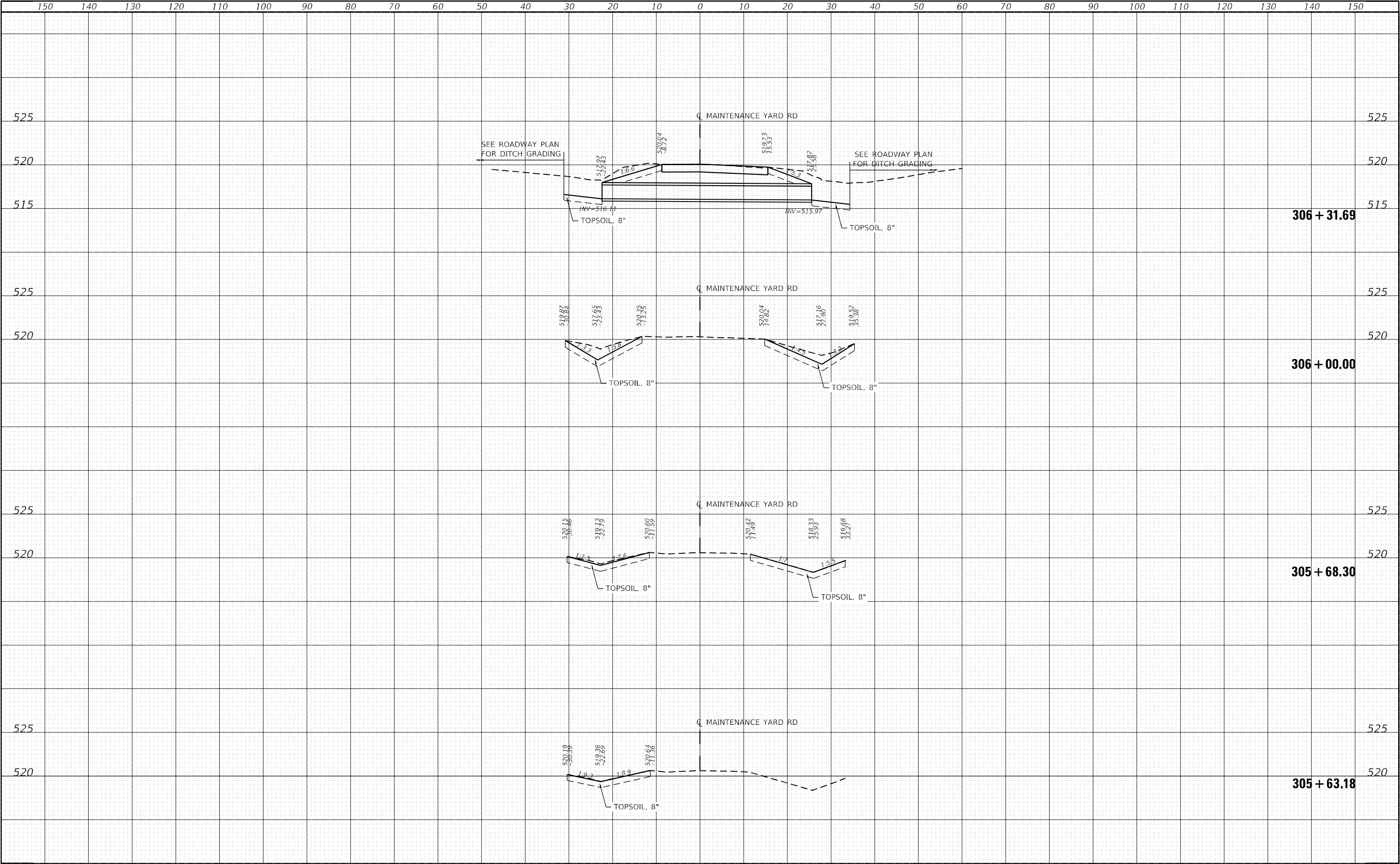


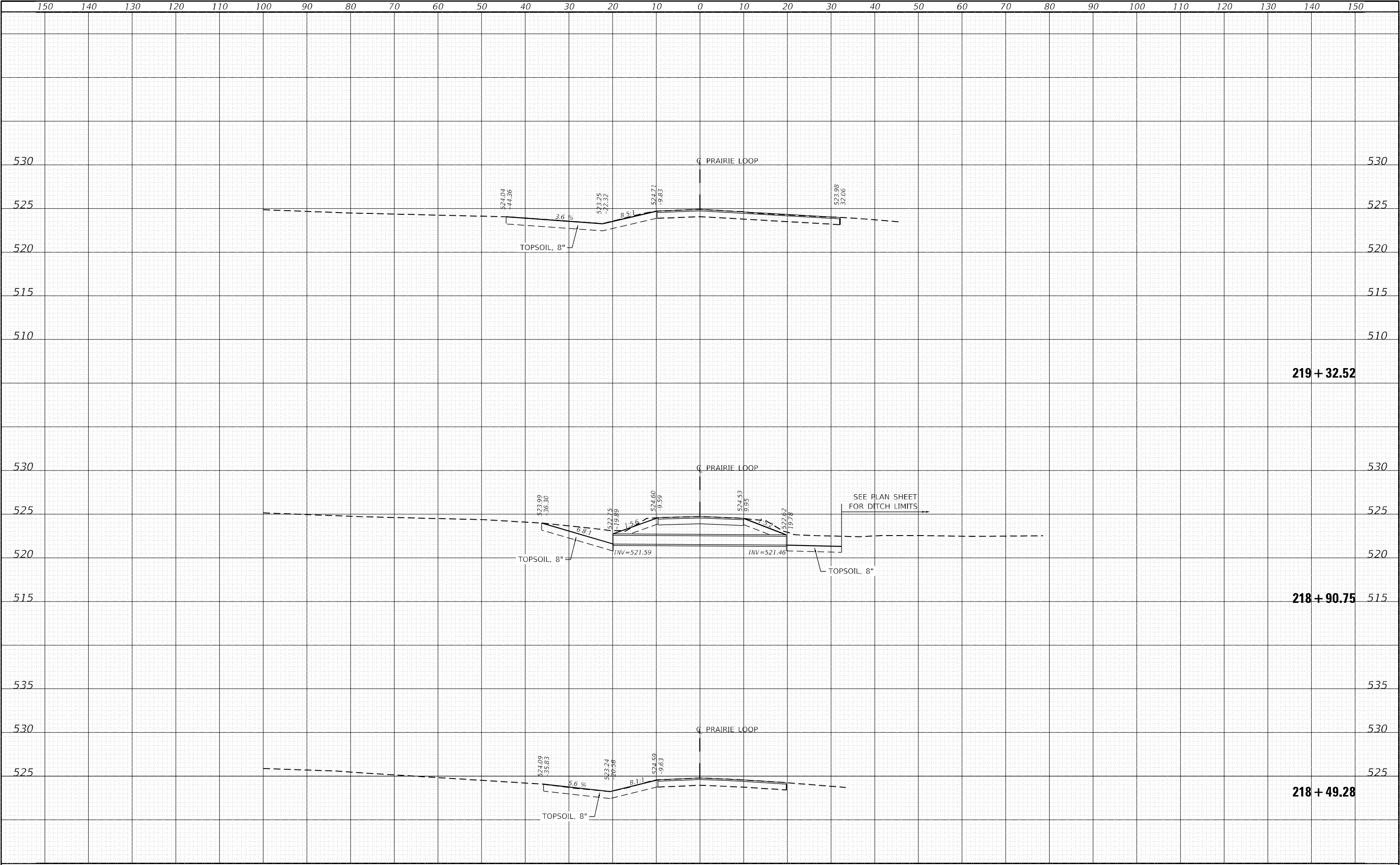


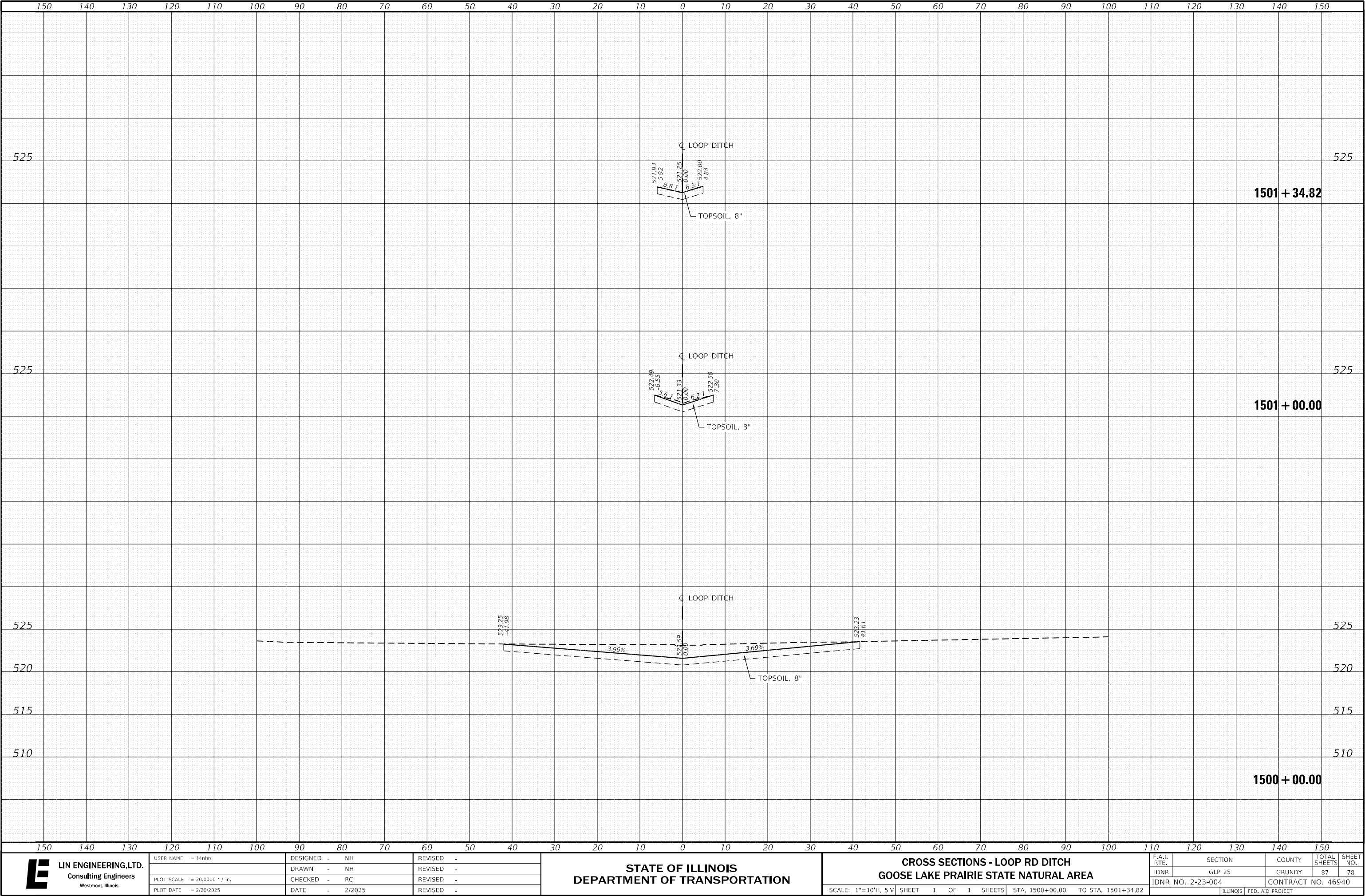


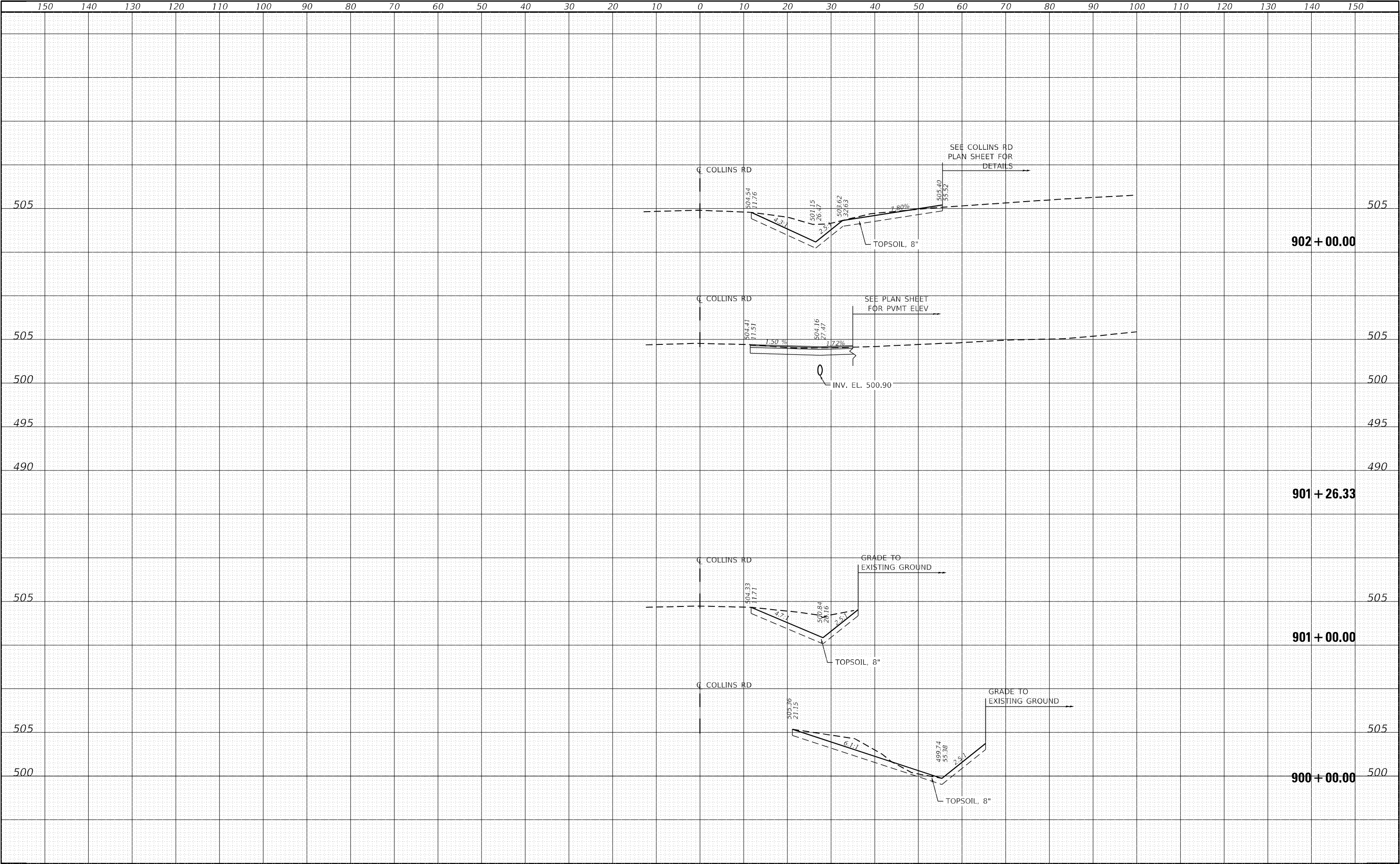


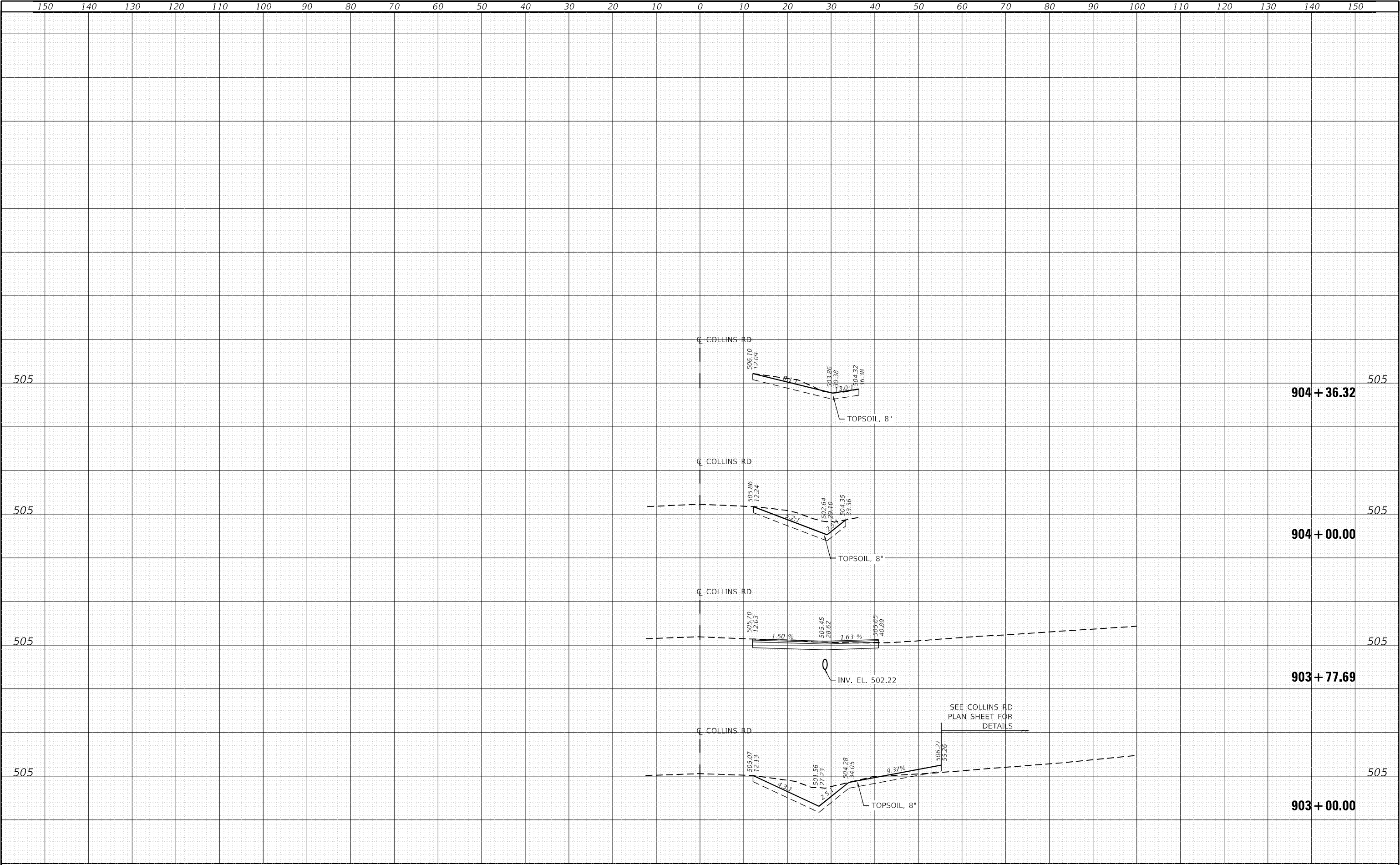


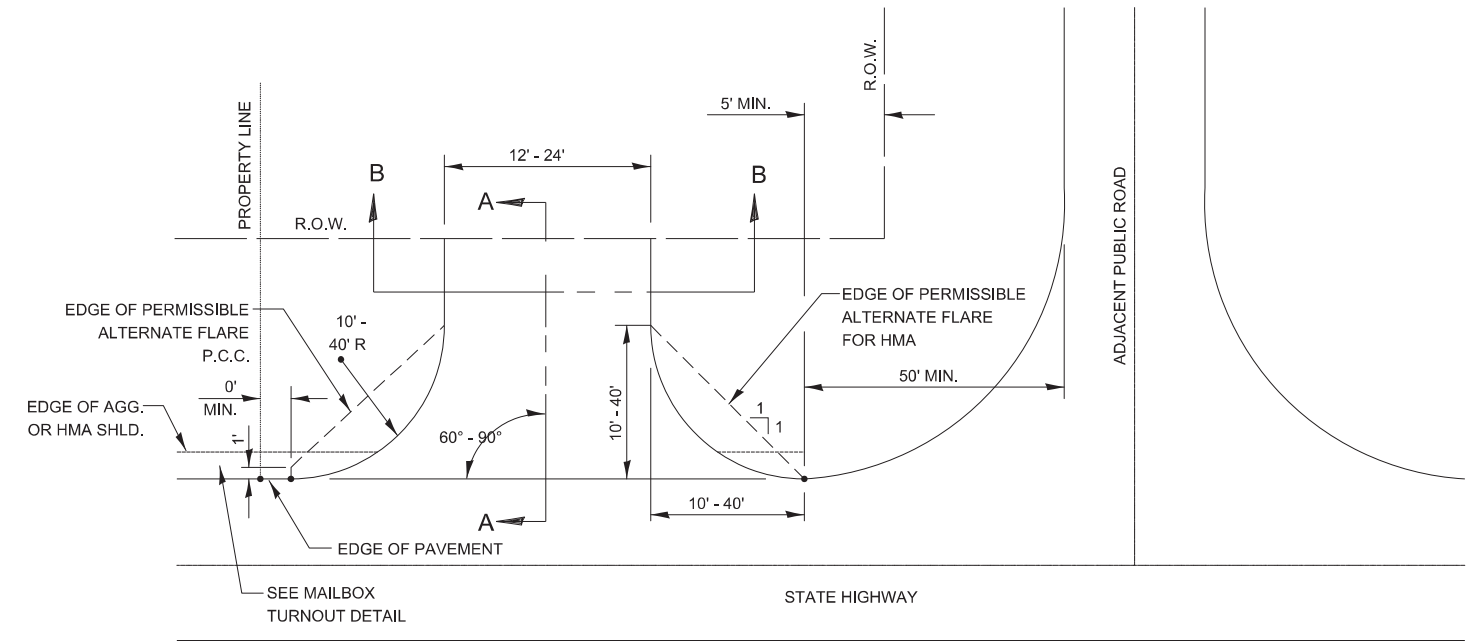




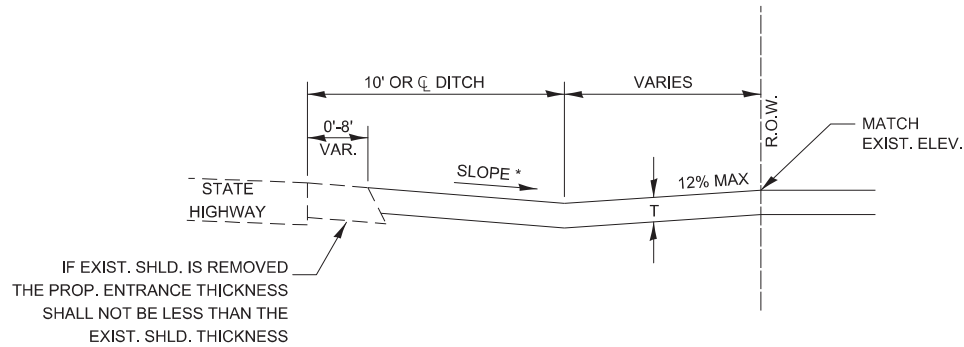






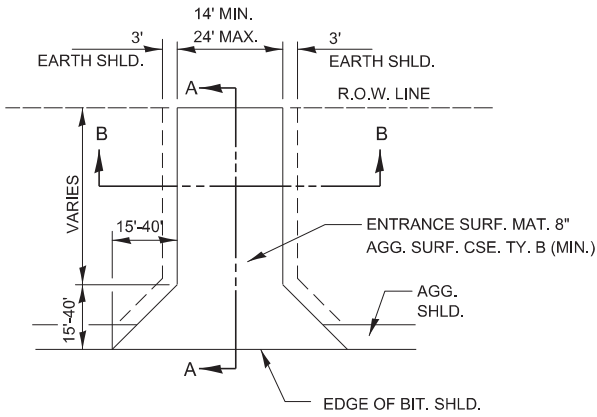


**TYPICAL NONCOMMERCIAL - RURAL
(PRIVATE ENTRANCE)**

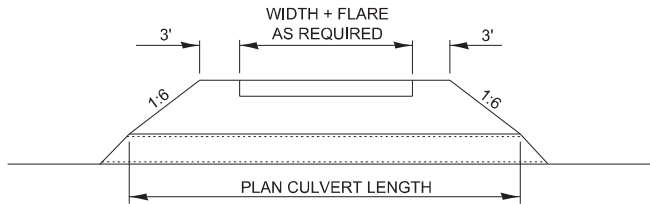


SECTION A-A

* SLOPE AWAY FROM HIGHWAY SURFACE AT 1.5% MINIMUM TO 8% MAXIMUM FOR A DISTANCE OF 10' OR TO CENTERLINE OF DITCH; 12% MAXIMUM BEYOND TO RIGHT OF WAY LINE.



**TYPICAL NONCOMMERCIAL - RURAL
(FIELD ENTRANCE)**

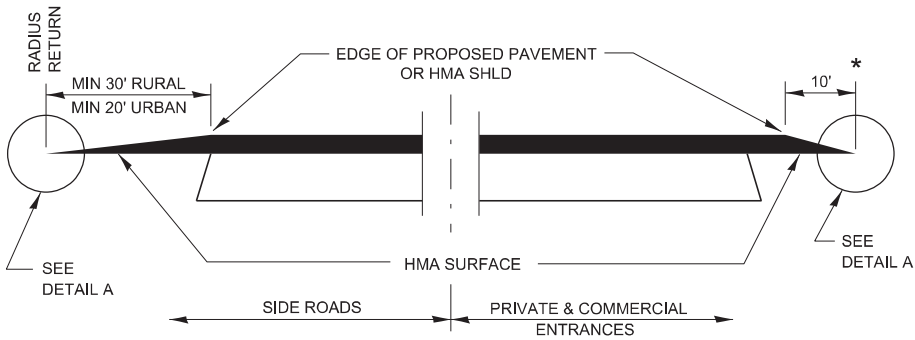


SECTION B-B

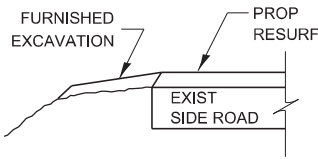
USER NAME = Anthony.Grunstad	DESIGNED -	REVISED -
PLOT SCALE = 50,000 ' / in.	DRAWN -	REVISED -
PLOT DATE = 9/26/23	CHECKED -	REVISED -
	DATE -	REVISED -

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IDNR	GLP 25	GRUNDY	87	81
IDNR NO. 2-23-004	CONTRACT NO. 46940			
		ILLINOIS	FED. AID PROJECT	

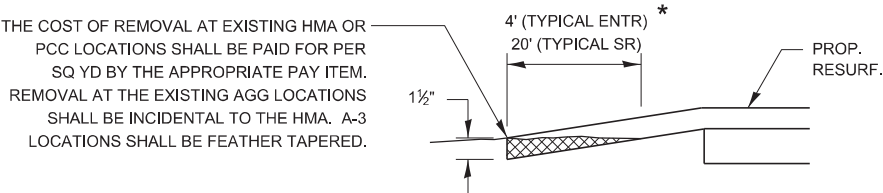
MODEL dlet 3 details
FILE Name: p:\asrc\csw\hndt\ay.com\FWIDOT\Documents\DOT Offices\District: 3\Projects-Corcy Details\03 Detail Revisions 2023\000-199 SURF CSE PAVT REHAB & SHLD.dgn



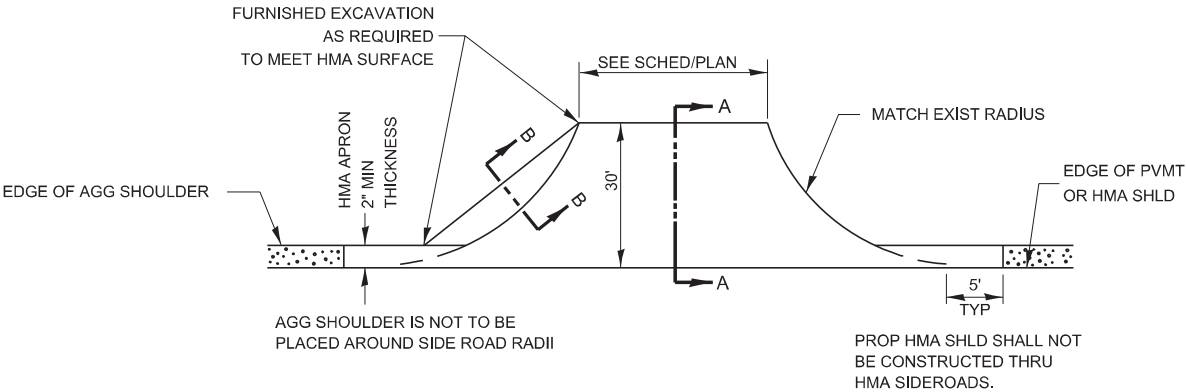
SECTION A-A
DETAILS AT ENTRANCES & SIDE ROADS



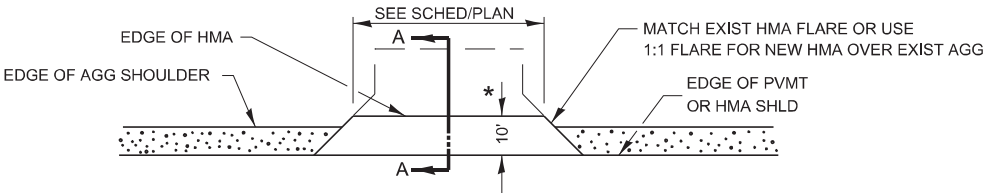
SECTION B-B



DETAIL A



PLAN AT SIDE ROADS

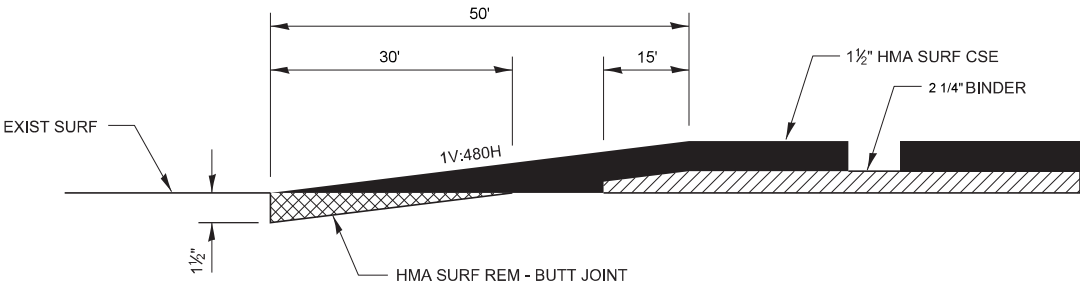


PLAN AT PRIVATE & COMMERCIAL ENTRANCES

(DO NOT RESURFACE FIELD ENTRANCES)

* PROPOSED HMA RESURFACING AT PUBLIC EDUCATIONAL FACILITY ENTRANCES SHALL BE EXTENDED TO THE RIGHT-OF-WAY LIMITS.

	USER NAME = Anthony.Grunstad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									IDNR	GLP 25	GRUNDY	87	82
	PLOT SCALE = 100,000 * / in.	CHECKED -	REVISED -									IDNR NO. 2-23-004			CONTRACT NO. 46940	
	PLOT DATE = 9/26/23	DATE -	REVISED -										ILLINOIS	FED. AID PROJECT		

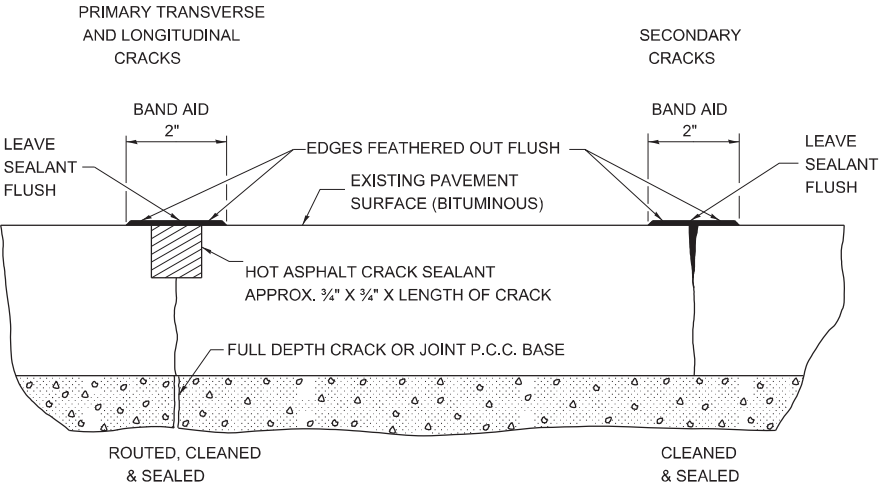


406-9

BUTT JOINT - NON INTERSTATE STANDARD OVERLAY

MODEL: dlet 3 details
FILE: h:\m112\p112002\csw.bentley.com\p112\DOT\Documents\DOT_Offices\District 3\Projects\Carrey Details\03 Detail Revisions 2023\100-149 SURF CSE PAVT REHAB & SHLD.dgn

	USER NAME = Anthony.Grunstad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: SHEET OF SHEETS STA. TO STA.					F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
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	PLOT DATE = 9/26/23	DATE -	REVISED -							ILLINOIS FED. AID PROJECT								



CRACK SEALING HMA PAVEMENT

451-1

MODEL dlet 3 details
FILE Name: p:\asphalt\csw.bentley.com\PIV\DOT\Documents\DOT_Offices\District 3\Projects-Corcoran Details\03 Detail Revisions 2023\000-199 SURF CSE PAVT REHAB & SHLD.dgn

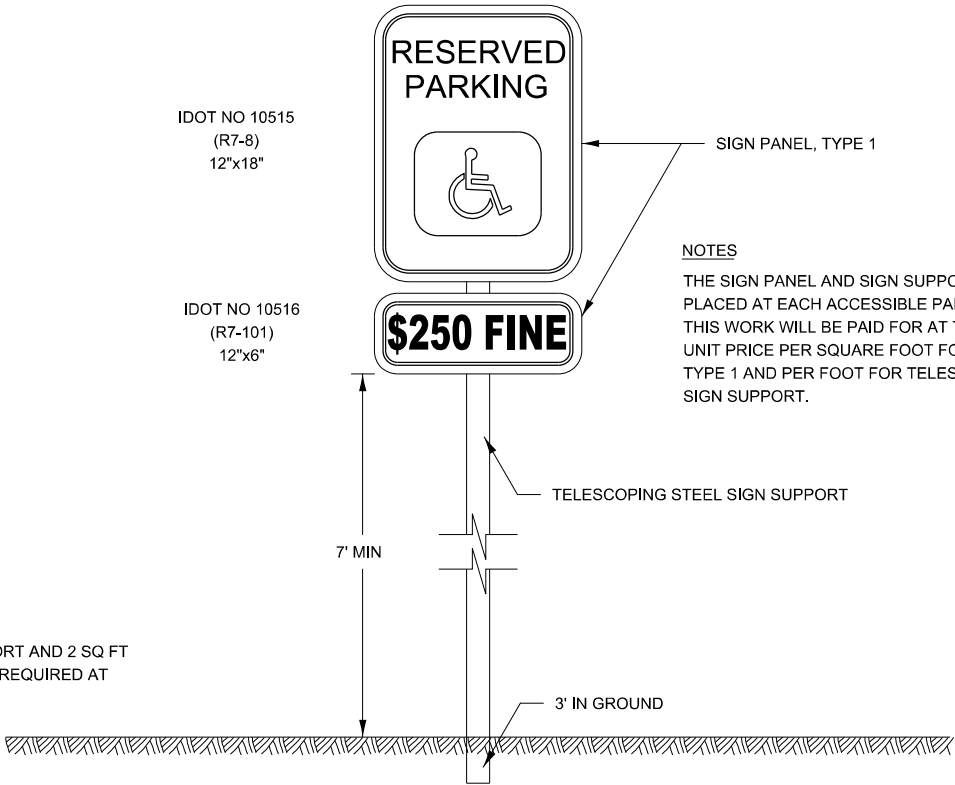
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	DRAWN -	REVISED -
PLOT SCALE = 100,000 * / in.	CHECKED -	REVISED -
PLOT DATE = 9/27/23	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
IDNR	GLP 25	GRUNDY	87	84
IDNR NO. 2-23-004	CONTRACT NO. 46940			
		ILLINOIS	FED. AID PROJECT	

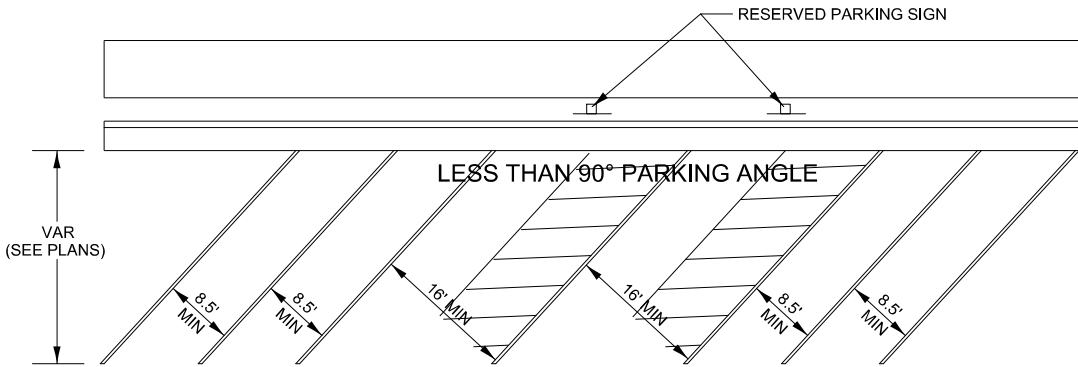
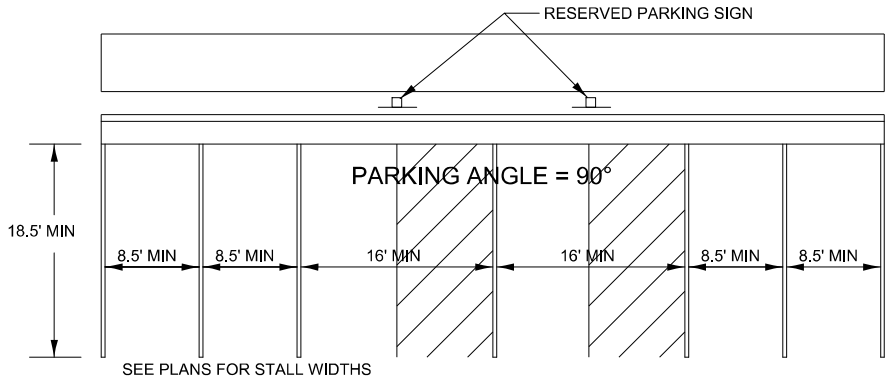
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NOTES
THE SIGN PANEL AND SIGN SUPPORT SHALL BE PLACED AT EACH ACCESSIBLE PARKING STALL.
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE FOOT FOR SIGN PANEL, TYPE 1 AND PER FOOT FOR TELESCOPING STEEL SIGN SUPPORT.

QUANTITIES
12' OF SIGN SUPPORT AND 2 SQ FT OF SIGN PANEL IS REQUIRED AT EACH LOCATION.

DISABLED PARKING STRIPING

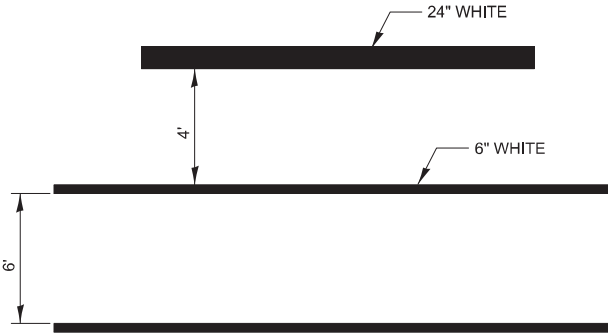


RESERVED PARKING SIGN DETAIL

720-6

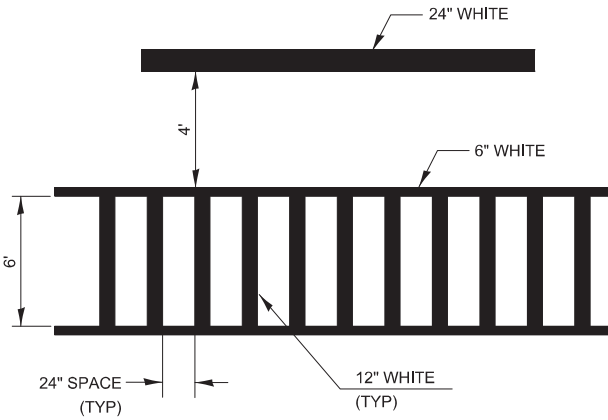
	USER NAME = anthony.grunstad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE: SHEET OF SHEETS STA. TO STA.					F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.			
		DRAWN -	REVISED -							IDNR	GLP 25	GRUNDY	87	85			
	PLOT SCALE = 50,000 ' / in.	CHECKED -	REVISED -							IDNR NO. 2-23-004					CONTRACT NO. 46940		
	PLOT DATE = 10/6/23	DATE -	REVISED -							ILLINOIS FED. AID PROJECT							

MODEL: dlist 3 details
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**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

780-3
OPTION 1

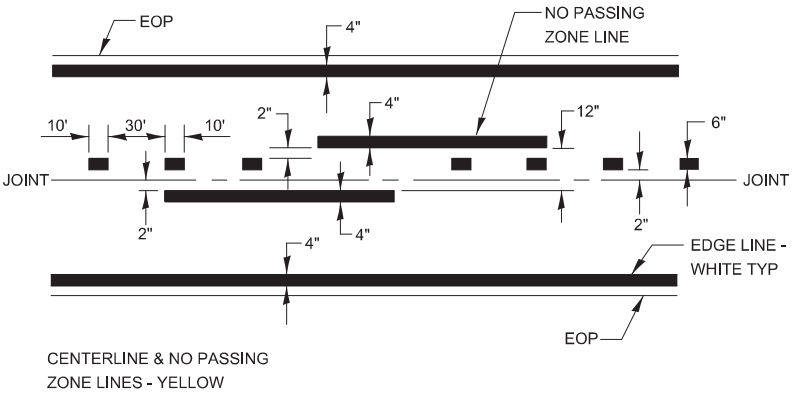


**TYPICAL SPACING DETAIL FOR
CROSSWALKS AND STOP BARS**

780-3
OPTION 2

	USER NAME = anthony.grunstad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION								F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -		IDNR	GLP 25		GRUNDY	87	86						
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	PLOT DATE = 10/6/23	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT				

MODEL: dlist 3 details
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PAVEMENT MARKING

780-8

	USER NAME = anthony.grunstad	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCALE:		SHEET	OF	SHEETS	STA.	TO STA.	F.A.I RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -									IDNR	GLP 25	GRUNDY	87	87
	PLOT SCALE = 50,000 ' / in.	CHECKED -	REVISED -									IDNR NO. 2-23-004			CONTRACT NO. 46940	
	PLOT DATE = 10/6/23	DATE -	REVISED -										ILLINOIS	FED. AID PROJECT		