



COMMONWEALTH OF KENTUCKY
TRANSPORTATION CABINET
www.transportation.ky.gov/

Andy Beshear
GOVERNOR

Jim Gray
SECRETARY

December 8, 2020

CALL NO. 101
CONTRACT ID NO. 201325
ADDENDUM # 1

Subject: WARREN COUNTY, NHPP 7415 (014)
Letting December 11, 2020

- (1) Revised - Proposal Bid Items - Pages 94-98 of 98
- (2) Revised - Plan Sheets - R2F, R2G, R31, R32, R33, R34, R35, R36 and U1

Proposal revisions are available at <http://transportation.ky.gov/Construction-Procurement/>.

If you have any questions, please contact us at 502-564-3500.

Sincerely,

A handwritten signature in black ink that reads "Rachel Mills".

Rachel Mills, P.E.
Director
Division of Construction Procurement

RM:mr
Enclosures

PROPOSAL BID ITEMS

Report Date 12/8/20

Section: 0001 - PAVING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0010	00003		CRUSHED STONE BASE	7,125.00	TON		\$	
0020	00100		ASPHALT SEAL AGGREGATE	44.00	TON		\$	
0030	00103		ASPHALT SEAL COAT	6.00	TON		\$	
0040	00190		LEVELING & WEDGING PG64-22	11.00	TON		\$	
0050	00194		LEVELING & WEDGING PG76-22	2,361.00	TON		\$	
0060	00217		CL4 ASPH BASE 1.00D PG64-22	3,509.00	TON		\$	
0070	00219		CL4 ASPH BASE 1.00D PG76-22	1,110.00	TON		\$	
0080	00342		CL4 ASPH SURF 0.38A PG76-22	2,089.00	TON		\$	
0090	02604		FABRIC-GEOTEXTILE CLASS 1A	15,065.00	SQYD		\$	
0100	20071EC		JOINT ADHESIVE	25,080.00	LF		\$	
0110	21001ES400		CL4 ASPH SURF 0.38D PG64-22	868.00	TON		\$	
0120	24970EC		ASPHALT MATERIAL FOR TACK NON-TRACKING	11.60	TON		\$	

Section: 0002 - ROADWAY

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0130	00078		CRUSHED AGGREGATE SIZE NO 2	13,749.00	TON		\$	
0140	01000		PERFORATED PIPE-4 IN	36.00	LF		\$	
0150	01810		STANDARD CURB AND GUTTER	294.00	LF		\$	
0160	01811		STANDARD CURB AND GUTTER MOD	887.00	LF		\$	
0170	01921		STANDARD BARRIER MEDIAN TYPE 4	67.00	SQYD		\$	
0180	01923		STANDARD BARRIER MEDIAN TYPE 5	2,643.00	SQYD		\$	
0190	01987		DELINEATOR FOR GUARDRAIL BI DIRECTIONAL WHITE	2.00	EACH		\$	
0200	02014		BARRICADE-TYPE III	35.00	EACH		\$	
0210	02016		REMOVE CONCRETE ISLAND	327.00	SQYD		\$	
0220	02159		TEMP DITCH	1,450.00	LF		\$	
0230	02160		CLEAN TEMP DITCH	725.00	LF		\$	
0240	02200		ROADWAY EXCAVATION	10,422.00	CUYD		\$	
0250	02242		WATER	110.00	MGAL		\$	
0260	02351		GUARDRAIL-STEEL W BEAM-S FACE	200.00	LF		\$	
0270	02371		GUARDRAIL END TREATMENT TYPE 7	2.00	EACH		\$	
0280	02545		CLEARING AND GRUBBING (APPROXIMATELY 4.9 ACRES)	1.00	LS		\$	
0290	02562		TEMPORARY SIGNS	655.00	SQFT		\$	
0300	02603		FABRIC-GEOTEXTILE CLASS 2	16,415.00	SQYD		\$	
0310	02607		FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	1,898.00	SQYD	\$2.00	\$	\$3,796.00
0320	02650		MAINTAIN & CONTROL TRAFFIC	1.00	LS		\$	
0330	02671		PORTABLE CHANGEABLE MESSAGE SIGN	6.00	EACH		\$	
0340	02676		MOBILIZATION FOR MILL & TEXT	1.00	LS		\$	
0350	02677		ASPHALT PAVE MILLING & TEXTURING	290.00	TON		\$	
0360	02690		SAFELOADING	13.10	CUYD		\$	
0370	02701		TEMP SILT FENCE	1,450.00	LF		\$	
0380	02703		SILT TRAP TYPE A	5.00	EACH		\$	
0390	02704		SILT TRAP TYPE B	5.00	EACH		\$	
0400	02705		SILT TRAP TYPE C	20.00	EACH		\$	

PROPOSAL BID ITEMS

Report Date 12/8/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0410	02706		CLEAN SILT TRAP TYPE A	5.00	EACH		\$	
0420	02707		CLEAN SILT TRAP TYPE B	5.00	EACH		\$	
0430	02708		CLEAN SILT TRAP TYPE C	20.00	EACH		\$	
0440	02714		SHOULDERING	800.00	LF		\$	
0450	02720		SIDEWALK-4 IN CONCRETE	67.00	SQYD		\$	
0460	02726		STAKING	1.00	LS		\$	
0465	02775		ARROW PANEL (ADDED: 12-8-20)	2.00	EACH		\$	
0470	05950		EROSION CONTROL BLANKET	4,870.00	SQYD		\$	
0480	05952		TEMP MULCH	15,825.00	SQYD		\$	
0490	05953		TEMP SEEDING AND PROTECTION	11,869.00	SQYD		\$	
0500	05963		INITIAL FERTILIZER	.70	TON		\$	
0510	05964		MAINTENANCE FERTILIZER	1.20	TON		\$	
0520	05985		SEEDING AND PROTECTION	9,182.00	SQYD		\$	
0530	05990		SODDING	9,620.00	SQYD		\$	
0540	05992		AGRICULTURAL LIMESTONE	6.00	TON		\$	
0550	06510		PAVE STRIPING-TEMP PAINT-4 IN	1,000.00	LF		\$	
0560	06514		PAVE STRIPING-PERM PAINT-4 IN	4,394.00	LF		\$	
0590	06544		PAVE STRIPING-THERMO-8 IN W	50.00	LF		\$	
0600	06549		PAVE STRIPING-TEMP REM TAPE-B	500.00	LF		\$	
0610	06550		PAVE STRIPING-TEMP REM TAPE-W	19,273.00	LF		\$	
0620	06551		PAVE STRIPING-TEMP REM TAPE-Y	7,101.00	LF		\$	
0630	06565		PAVE MARKING-THERMO X-WALK-6 IN	1,839.00	LF		\$	
0640	06566		PAVE MARKING-THERMO X-WALK-12 IN	1,231.00	LF		\$	
0650	06568		PAVE MARKING-THERMO STOP BAR-24IN	534.00	LF		\$	
0660	06569		PAVE MARKING-THERMO CROSS-HATCH	2,455.00	SQFT		\$	
0670	06573		PAVE MARKING-THERMO STR ARROW	12.00	EACH		\$	
0680	06574		PAVE MARKING-THERMO CURV ARROW	61.00	EACH		\$	
0690	06575		PAVE MARKING-THERMO COMB ARROW	1.00	EACH		\$	
0700	06576		PAVE MARKING-THERMO ONLY	21.00	EACH		\$	
0710	10020NS		FUEL ADJUSTMENT	22,994.00	DOLL	\$1.00	\$	\$22,994.00
0720	10030NS		ASPHALT ADJUSTMENT	35,225.00	DOLL	\$1.00	\$	\$35,225.00
0730	20099ES842		PAVE MARK TEMP PAINT STOP BAR	490.00	LF		\$	
0740	20208NC		PAVE MARK-PAINT ARROWS	38.00	EACH		\$	
0750	21289ED		LONGITUDINAL EDGE KEY	5,660.00	LF		\$	
0760	22680EN		QWICK CURB MEDIAN SEPARATOR	65.00	LF		\$	
0770	23139EN		STRIPING REMOVAL	1,000.00	LF		\$	
0780	23158ES505		DETECTABLE WARNINGS	120.00	SQFT		\$	
0790	23875NC		REMOVE THERMOPLASTIC ARROWS	22.00	EACH		\$	
0800	24489EC		INLAID PAVEMENT MARKER	372.00	EACH		\$	
0810	24651ED		CONCRETE ISLAND	179.00	SQYD		\$	
0820	24679ED		PAVE MARK THERMO CHEVRON	9,599.00	SQFT		\$	
0830	24817EC		PAVE MARK THERMO CONE CAP-SOLID WHITE	153.00	SQFT		\$	
0840	24880EC		REMOVE PAVEMENT MARKER	220.00	EACH		\$	
0845	24995EC		PAVE STRIPING-SPRAY THERMO-6 IN W (ADDED: 12-8-20)	12,582.00	LF		\$	
0847	24996EC		PAVE STRIPING-SPRAY THERMO-6 IN Y (ADDED: 12-8-20)	5,823.00	LF		\$	

PROPOSAL BID ITEMS

Report Date 12/8/20

Section: 0003 - DRAINAGE

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
0850	00462		CULVERT PIPE-18 IN	142.00	LF		\$	
0860	00520		STORM SEWER PIPE-12 IN	2.00	LF		\$	
0870	00521		STORM SEWER PIPE-15 IN	239.00	LF		\$	
0880	00522		STORM SEWER PIPE-18 IN	731.00	LF		\$	
0890	00524		STORM SEWER PIPE-24 IN	45.00	LF		\$	
0900	00526		STORM SEWER PIPE-30 IN	4.00	LF		\$	
0910	01370		METAL END SECTION TY 1-15 IN	1.00	EACH		\$	
0920	01440		SLOPED BOX INLET-OUTLET TYPE 1	3.00	EACH		\$	
0930	01456		CURB BOX INLET TYPE A	2.00	EACH		\$	
0940	01496		DROP BOX INLET TYPE 3	3.00	EACH		\$	
0950	01529		DROP BOX INLET TYPE 6D	1.00	EACH		\$	
0960	01535		DROP BOX INLET TYPE 6F	1.00	EACH		\$	
0970	01559		DROP BOX INLET TYPE 13G	1.00	EACH		\$	
0980	01568		DROP BOX INLET TYPE 13S	3.00	EACH		\$	
0990	01577		DROP BOX INLET TYPE 14	2.00	EACH		\$	
1000	01642		JUNCTION BOX-18 IN	1.00	EACH		\$	
1010	01771		FRAME AND LID TY 1	1.00	EACH		\$	
1020	08100		CONCRETE-CLASS A	1.60	CUYD		\$	
1030	20098NC		CAP BOX INLET	3.00	EACH		\$	
1040	24814EC		PIPELINE INSPECTION	752.50	LF		\$	

Section: 0004 - SIGNING

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1050	06406		SBM ALUM SHEET SIGNS .080 IN	83.50	SQFT		\$	
1060	06410		STEEL POST TYPE 1	117.00	LF		\$	
1070	20418ED		REMOVE & RELOCATE SIGNS	9.00	EACH		\$	
1080	21373ND		REMOVE SIGN	7.00	EACH		\$	
1090	24631EC		BARCODE SIGN INVENTORY	17.00	EACH		\$	

Section: 0005 - SIGNALIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1100	04820		TRENCHING AND BACKFILLING	260.00	LF		\$	
1110	04844		CABLE-NO. 14/5C	9,825.00	LF		\$	
1120	04845		CABLE-NO. 14/7C	865.00	LF		\$	
1130	04885		MESSENGER-10800 LB	1,484.00	LF		\$	
1140	04886		MESSENGER-15400 LB	540.00	LF		\$	
1150	04932		INSTALL STEEL STRAIN POLE	16.00	EACH		\$	
1160	06472		INSTALL SPAN MOUNTED SIGN	22.00	EACH		\$	
1170	20093NS835		INSTALL PEDESTRIAN HEAD-LED	26.00	EACH		\$	
1180	20094ES835		TEMP RELOCATION OF SIGNAL HEAD	84.00	EACH		\$	
1190	20188NS835		INSTALL LED SIGNAL-3 SECTION	31.00	EACH		\$	
1200	20189NS835		INSTALL LED SIGNAL-5 SECTION	4.00	EACH		\$	
1210	20266ES835		INSTALL LED SIGNAL- 4 SECTION	7.00	EACH		\$	

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Report Date 12/8/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1220	20390NS835		INSTALL COORDINATING UNIT	4.00	EACH		\$	
1230	21659NN		RELOCATE SIGNAL HEAD	1.00	EACH		\$	
1240	21743NN		INSTALL PEDESTRIAN DETECTOR	26.00	EACH		\$	
1250	23157EN		TRAFFIC SIGNAL POLE BASE	68.00	CUYD		\$	
1260	23235EC		INSTALL PEDESTAL POST	13.00	EACH		\$	
1270	24601EC		INSTALL (POLE MOUNTED SIGN)	8.00	EACH		\$	
1280	24601EC		INSTALL (RADAR PRESENCE DETECTOR TYPE A)	16.00	EACH		\$	
1290	24900EC		PVC CONDUIT-1 1/4 IN-SCHEDULE 80	160.00	LF		\$	
1300	24901EC		PVC CONDUIT-2 IN-SCHEDULE 80	240.00	LF		\$	
1310	24908EC		INSTALL SIGNAL CONTROLLER-TY ATC	5.00	EACH		\$	
1320	24955ED		REMOVE SIGNAL EQUIPMENT	4.00	EACH		\$	

Section: 0006 - LIGHTING (BGMU)

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1330	04740		POLE BASE	17.00	EACH		\$	
1340	04794		CONDUIT-1 1/2 IN	3,625.00	LF		\$	
1350	04797		CONDUIT-3 IN	540.00	LF		\$	
1360	04820		TRENCHING AND BACKFILLING	4,045.00	LF		\$	
1370	17518		EC ELECTRIC PULL BOX INST	3.00	EACH		\$	

Section: 0007 - WATER & SEWER

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1390	01810		STANDARD CURB AND GUTTER	20.00	LF		\$	
1400	02220		FLOWABLE FILL	130.00	CUYD		\$	
1410	02690		SAFELOADING	68.00	CUYD		\$	
1420	14003		W CAP EXISTING MAIN (10 INCH)	4.00	EACH		\$	
1430	14003		W CAP EXISTING MAIN (16 INCH)	1.00	EACH		\$	
1440	14003		W CAP EXISTING MAIN (20 INCH WATER MAIN)	1.00	EACH		\$	
1450	14003		W CAP EXISTING MAIN (6 INCH)	1.00	EACH		\$	
1460	14003		W CAP EXISTING MAIN (8 INCH)	3.00	EACH		\$	
1470	14009		W ENCASMENT STEEL BORED RANGE 4 (16 INCH)	200.00	LF		\$	
1480	14009		W ENCASMENT STEEL BORED RANGE 4 (18 INCH)	225.00	LF		\$	
1490	14011		W ENCASMENT STEEL BORED RANGE 6	305.00	LF		\$	
1500	14019		W FIRE HYDRANT ASSEMBLY	2.00	EACH		\$	
1510	14021		W FIRE HYDRANT REMOVE	2.00	EACH		\$	
1520	14023		W FLUSHING ASSEMBLY	1.00	EACH		\$	
1530	14030		W METER RELOCATE	1.00	EACH		\$	
1540	14037		W PIPE DUCTILE IRON 08 INCH	500.00	LF		\$	

PROPOSAL BID ITEMS

Report Date 12/8/20

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1550	14038		W PIPE DUCTILE IRON 10 INCH	1,065.00	LF		\$	
1560	14041		W PIPE DUCTILE IRON 20 INCH	1,035.00	LF		\$	
1570	14089		W TAPPING SLEEVE AND VALVE SIZE 1	3.00	EACH		\$	
1580	14090		W TAPPING SLEEVE AND VALVE SIZE 2 (10 INCH)	4.00	EACH		\$	
1590	14090		W TAPPING SLEEVE AND VALVE SIZE 2 (16 INCH)	1.00	EACH		\$	
1600	14090		W TAPPING SLEEVE AND VALVE SIZE 2 (20 INCH)	1.00	EACH		\$	
1610	14101		W TIE-IN SPECIAL	1.00	EACH		\$	
1620	14105		W VALVE 06 INCH	1.00	EACH		\$	
1630	14106		W VALVE 08 INCH	1.00	EACH		\$	
1640	14107		W VALVE 10 INCH	1.00	EACH		\$	
1650	15094		S MANHOLE ADJUST TO GRADE	3.00	EACH		\$	
1660	21234ED		ASPHALT PAVING REPLACEMENT	740.00	SQYD		\$	

Section: 0008 - DEMOBILIZATION & MOBILIZATION

LINE	BID CODE	ALT	DESCRIPTION	QUANTITY	UNIT	UNIT PRIC	FP	AMOUNT
1670	02568		MOBILIZATION	1.00	LS		\$	
1680	02569		DEMOBILIZATION	1.00	LS		\$	

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	03-8702.00	R2F

ITEM	DESCRIPTION	UNIT	US 231	PASCOE BLVD.	PARCEL 1 ENTRANCE	CAVE MILL ROAD	SHIVE LANE	PARCEL 6 ENTRANCE	TALS
78	CRUSHED AGGREGATE SIZE NO 2	TON	950						13749
1000	PERFORATED PIPE-4 IN	LF	12	8		8		8	36
1810	STANDARD CURB AND GUTTER	LF			294				294
1811	STANDARD CURB & GUTTER MOD	LF	122	236		345		184	887
1921	STANDARD BARRIER MEDIAN TYPE 4	LF	67						67
1923	STANDARD BARRIER MEDIAN TYPE 5	SOYD	2643						2643
1987	DELINEATOR FOR GUARDRAIL B/W	EACH	2						2
2014	BARRICADE-TYPE III	EACH	35						35
2016	REMOVE CONCRETE ISLAND	SOYD	283		40			4	327
2159	TEMPORARY DITCH	LF	1450						1450
2160	CLEAN TEMPORARY DITCH	LF	725						725
2200	ROADWAY EXCAVATION	CUYD							10422
2242	WATER	MGAL	110						110
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	200						200
2371	GUARDRAIL END TREATMENT TYPE 7	EACH	2						2
2545	CLEARING AND GRUBBING	LS	1						1
2562	TEMPORARY SIGNS	SOFT	655						655
2568	MOBILIZATION	LS	1						1
2569	DEMOBILIZATION	LS	1						1
2603	FABRIC-GEOTEXTILE CLASS 2	SOYD	1350						16415
2607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	SOYD	659	501		453	237	48	1898
2650	MAINTAIN & CONTROL TRAFFIC	LS	1						1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	6						6
2676	MOBILIZATION FOR MILL & TEXT	LS	1						1
2677	ASPHALT PAVE MILLING & TEXTURING	TON	70	80	44	30	9	57	290
2690	SAFELOADING	CUYD	8.7			4.4			13.1
2701	TEMP SILT FENCE	LF	1450						1450
2703	SILT TRAP TYPE A	EACH	5						5
2704	SILT TRAP TYPE B	EACH	5						5
2705	SILT TRAP TYPE C	EACH	20						20
2706	CLEAN SILT TRAP TYPE A	EACH	5						5
2707	CLEAN SILT TRAP TYPE B	EACH	5						5
2708	CLEAN SILT TRAP TYPE C	EACH	20						20
2714	SHOULDERING	LF	800						800
2720	SIDEWALK-4 IN CONCRETE	SOYD	55					12	67
2726	STAKING	LS	1						1
2775	ARROW PANEL	EACH	2						2
5950	EROSION CONTROL BLANKET	SOYD	4870						4870
5952	TEMP MULCH	SOYD	15825						15825
5953	TEMP SEEDING AND PROTECTION	SOYD	11869						11869
5963	INITIAL FERTILIZER	TON	0.7						0.7
5964	MAINTENANCE FERTILIZER	TON	1.2						1.2
5985	SEEDING AND PROTECTION	SOYD	9182						9182
5990	SODDING	SOYD	7774			1448		398	9620
5992	AGRICULTURAL LIMESTONE	TON	6						6
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF	1000						1000
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	62	720	271	2629	396	316	4394
6544	PAVE STRIPING-THERMO-8 IN W	LF	50						50
6549	PAVE STRIPING-TEMP REM TAPE-B	LF	500						500
6550	PAVE STRIPING-TEMP REM TAPE-W	LF	19273						19273
6551	PAVE STRIPING-TEMP REM TAPE-Y	LF	7101						7101
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	1001	208	145	198	173	114	1839
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	655	111	85	198	116	66	1231
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	364	48		49	40	33	534
6569	PAVE MARKING-THERMO CROSS HATCH	SOFT	785	760		650	260		2455

NOTES:

EROSION CONTROL QUANTITIES ARE BASED ON THE PROBABLE AMOUNT OF EROSION CONTROL FEATURES AS ESTIMATED BY THE DESIGNER.

- ① TOTAL INCLUDES:
950 TONS PER GEOTECH NOTE 10
12799 TONS FROM PAVING SUMMARY
- ② PER GEOTECH NOTE 11
- ③ FOR CONTROLLING DUST CAUSED BY MAINTAINING TRAFFIC ONLY
- ④ APPROXIMATELY 4.9 ACRES
- ⑤ SEE SHEET R2G FOR SUMMARY OF TEMPORARY SIGNS
- ⑥ TOTAL INCLUDES:
-1350 SOYD PER GEOTECH NOTE 10.
-15065 SOYD FROM PAVING SUMMARY
- ⑦ FOR WRAPPING PIPE TRENCH BACKFILL
- ⑧ MILLINGS SHALL BECOME THE PROPERTY OF THE CONTRACTOR. INCLUDES 68 TONS FOR EDGE KEY
- ⑨ 3882 SOYD FOR LINING DITCHES
988 SOYD FOR SLOPE PROTECTION
- ⑩ FOR USE ON COMMERCIAL LOTS AND/OR AS DIRECTED BY THE ENGINEER

EARTHWORK CALCULATIONS:	
EMBANKMENT:	2615 CU. YD. EMB. TOTAL
EXCAVATION:	10422 CU. YD. TOTAL EXCAVATION 7807 CU. YD. EXC. AVAILABLE

THE EARTHWORK SHOWN ABOVE IS FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

GENERAL SUMMARY

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	03-8702.00	R2F

NOTES:

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EXCAVATION:	10422 CU. YD. TOTAL EXCAVATION
	7807 CU. YD. EXC. AVAILABLE

THE EARTHWORK SHOWN ABOVE IS FOR INFORMATION ONLY. ASSUMPTIONS FOR SHRINKAGE AND SWELL FACTORS ARE THE CONTRACTOR'S RESPONSIBILITY.

GENERAL SUMMARY

ITEM	DESCRIPTION	UNIT	US 231	PASCOE BLVD.	PARCEL 1 ENTRANCE	CAVE MILL ROAD	SHIVE LANE	PARCEL 6 ENTRANCE	TOTALS
78	CRUSHED AGGREGATE SIZE NO 2	TON	950						13749
1000	PERFORATED PIPE-4 IN	LF	12	8		8		8	36
1810	STANDARD CURB AND GUTTER	LF			294				294
1811	STANDARD CURB & GUTTER MOD	LF	122	236		345		184	887
1921	STANDARD BARRIER MEDIAN TYPE 4	LF	67						67
1923	STANDARD BARRIER MEDIAN TYPE 5	SOYD	2643						2643
1987	DELINEATOR FOR GUARDRAIL B/W	EACH	2						2
2014	BARRICADE-TYPE III	EACH	35						35
2016	REMOVE CONCRETE ISLAND	SOYD	283		40			4	327
2159	TEMPORARY DITCH	LF	1450						1450
2160	CLEAN TEMPORARY DITCH	LF	725						725
2200	ROADWAY EXCAVATION	CUYD							10422
2242	WATER	MGAL	110						110
2351	GUARDRAIL-STEEL W BEAM-S FACE	LF	200						200
2371	GUARDRAIL END TREATMENT TYPE 7	EACH	2						2
2545	CLEARING AND GRUBBING	LS	1						1
2562	TEMPORARY SIGNS	SOFT	655						655
2568	MOBILIZATION	LS	1						1
2569	DEMOBILIZATION	LS	1						1
2603	FABRIC-GEOTEXTILE CLASS 2	SOYD	1350						16415
2607	FABRIC-GEOTEXTILE CLASS 2 FOR PIPE	SOYD	659	501		453	237	48	1898
2650	MAINTAIN & CONTROL TRAFFIC	LS	1						1
2671	PORTABLE CHANGEABLE MESSAGE SIGN	EACH	6						6
2676	MOBILIZATION FOR MILL & TEXT	LS	1						1
2677	ASPHALT PAVE MILLING & TEXTURING	TON	70	80	44	30	9	57	290
2690	SAFELOADING	CUYD	8.7			4.4			13.1
2701	TEMP SILT FENCE	LF	1450						1450
2703	SILT TRAP TYPE A	EACH	5						5
2704	SILT TRAP TYPE B	EACH	5						5
2705	SILT TRAP TYPE C	EACH	20						20
2706	CLEAN SILT TRAP TYPE A	EACH	5						5
2707	CLEAN SILT TRAP TYPE B	EACH	5						5
2708	CLEAN SILT TRAP TYPE C	EACH	20						20
2714	SHOULDERING	LF	800						800
2720	SIDEWALK-4 IN CONCRETE	SOYD	55					12	67
2726	STAKING	LS	1						1
2775	ARROW PANEL	EACH	2						2
5950	EROSION CONTROL BUNKER	SOYD	4870						4870
5952	TEMP MULCH	SOYD	15825						15825
5953	TEMP SEEDING AND PROTECTION	SOYD	11869						11869
5963	INITIAL FERTILIZER	TON	0.7						0.7
5964	MAINTENANCE FERTILIZER	TON	1.2						1.2
5985	SEEDING AND PROTECTION	SOYD	9182						9182
5990	SODDING	SOYD	7774			1448		398	9620
5992	AGRICULTURAL LIMESTONE	TON	6						6
6510	PAVE STRIPING-TEMP PAINT-4 IN	LF	1000						1000
6514	PAVE STRIPING-PERM PAINT-4 IN	LF	62	720	271	2629	396	316	4394
6544	PAVE STRIPING-THERMO-8 IN W	LF	50						50
6549	PAVE STRIPING-TEMP REM TAPE-B	LF	500						500
6550	PAVE STRIPING-TEMP REM TAPE-W	LF	19273						19273
6551	PAVE STRIPING-TEMP REM TAPE-Y	LF	7101						7101
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	1001	208	145	198	173	114	1839
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	655	111	85	198	116	66	1231
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	364	48	49	49	40	33	534
6569	PAVE MARKING-THERMO CROSS HATCH	SOFT	785	760	650	650	260		2455

GENERAL SUMMARY

COUNTY OF	ITEM NO.	SHEET NO.
WARREN	03-8702.00	R2G



ITEM	DESCRIPTION	UNIT	US 231	PASCOE BLVD.	PARCEL 1 ENTRANCE	CAVE MILL ROAD	SHIVE LANE	PARCEL 6 ENTRANCE	TOTALS
6573	PAVE MARKING-THERMO STR ARROW	EACH	1	3		4	1	3	12
6574	PAVE MARKING-THERMO CURV ARROW	EACH	36	6		11	2	6	61
6575	PAVE MARKING-THERMO COMBO ARROW	EACH				1			1
6576	PAVE MARKING-THERMO ONLY	EACH	16			5			21
10020NS	FUEL ADJUSTMENT	DOLL							22994
10030NS	ASPHALT ADJUSTMENT	DOLL							35225
20099ES842	PAVE MARK TEMP PAINT STOP BAR	LF	490						490
20208NC	PAVE MARK-PAINT ARROWS	EACH	16	4		6	4	8	38
21289ED	LONGITUDINAL EDGE KEY	LF	4855	160		365	50	230	5660
22680EN	QUICK CURB MEDIAN SEPARATOR	LF					65		65
23139EN	STRIPING REMOVAL	LF	1000						1000
23158ES505	DETECTABLE WARNINGS	SOFT	100					20	120
23875NC	REMOVE THERMOPLASTIC ARROWS	EACH	22						22
24489EC	INLAID PAVEMENT MARKER	EACH	323	12		37			372
24679ED	PAVE MARK THERMO CHEVRON	SOFT	9599						9599
24880EC	REMOVE PAVEMENT MARKER	EACH	220						220
24651ED	CONCRETE ISLAND	SOYD	140		39				179
24877EC	PAVE MARK THERMO CONE CAP SOLID WHITE	SOFT	153						153
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	12582						12582
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	5823						5823

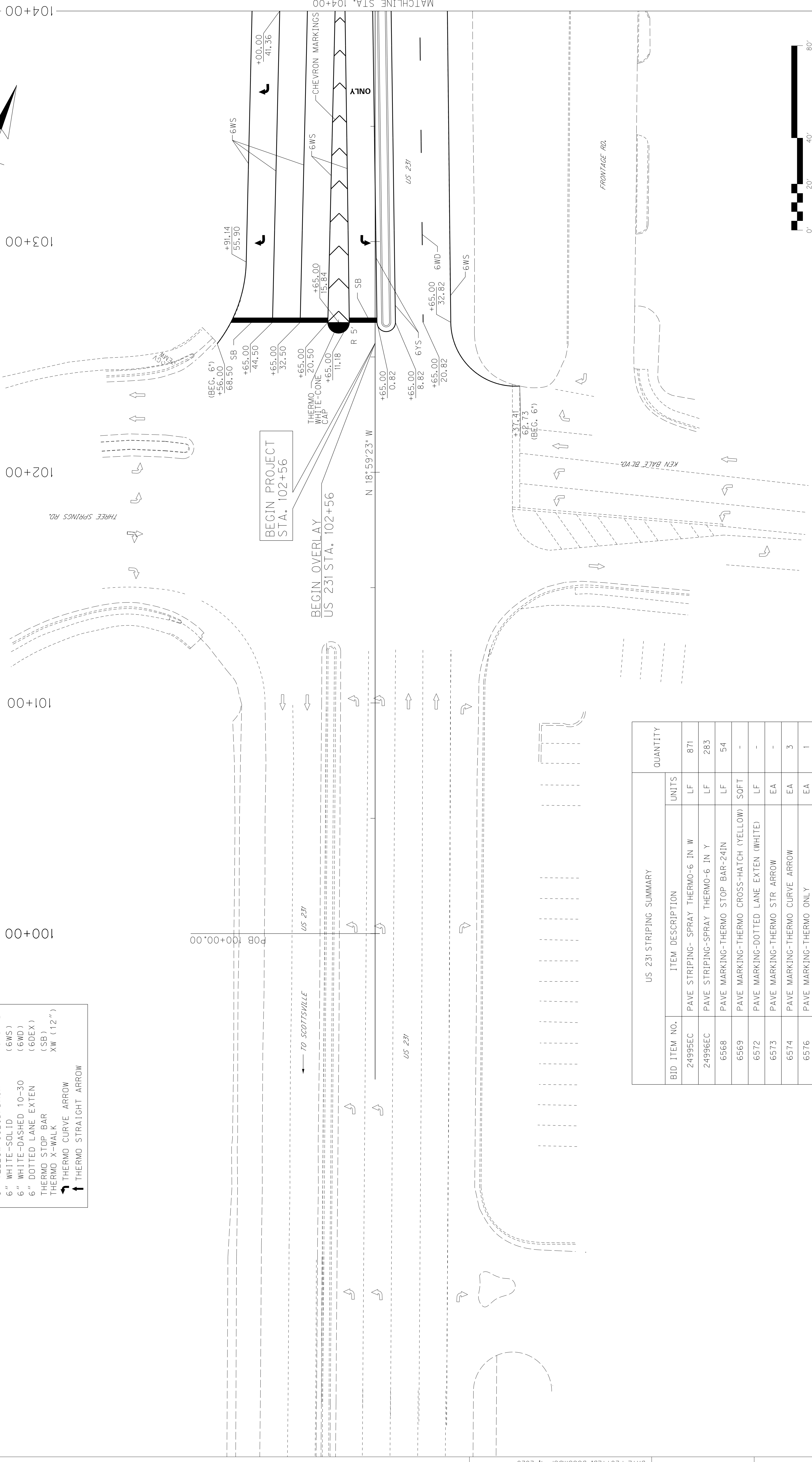
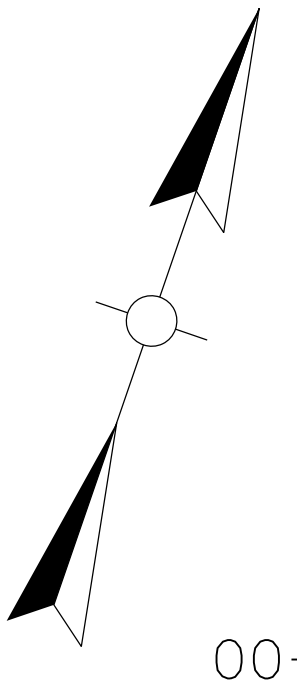
NOTES:

- ① REMOVE AND RELOCATE EXISTING MEDIAN SEPARATOR

DESCRIPTION	NO. REQ'D.	SIZE	CONSTRUCTION SIGNS	
			I.D.	QUANTITY
END ROAD WORK	2	36"X18"	G20-2	9
YIELD	1	36"X36"X36"	R1-2	9
END DOUBLE FINES ZONE	2	24"X30"	R2-11	10
BEGIN DOUBLE FINES ZONE	2	24"X30"	R2-11	10
NO LEFT TURN	4	24"X24"	R3-2	16
LANE SHIFT	2	36"X36"	W1-4GL	18
LANE SHIFT	2	36"X36"	W1-4GR	18
ARROW	2	48"X24"	W1-6	16
REDUCED SPEED LIMIT AHEAD	2	36"X36"	W3-5	18
ROUGH ROAD	4	36"X36"	W8-8	36
UNEVEN LANES	4	36"X36"	W8-11	36
35 MPH ADVISORY SPEED PLATE	2	24"X24"	W13-1	8
ROADWORK AHEAD	9	36"X36"	W20-1	81
ROADWORK 1500 FT	2	36"X36"	W20-1	18
ROADWORK 1000 FT	2	36"X36"	W20-1	18
ROADWORK 500 FT	2	36"X36"	W20-1	18
ROAD WORK 1/2 MILE	2	36"X36"	W20-1	18
ROAD CLOSED	11	36"X36"	W20-3	99
DETOUR	11	30"X24"	M4-9	55
ONE LANE ROAD 750 FT	2	36"X36"	W20-4	18
ONE LANE ROAD 500 FT	2	36"X36"	W20-4	18
RIGHT LANE CLOSED 1500 FEET	2	36"X36"	W20-5	18
RIGHT LANE CLOSED 1000 FEET	2	36"X36"	W20-5	18
RIGHT SHOULDER CLOSED 500 FT	2	36"X36"	W21-5b	18
RIGHT SHOULDER CLOSED	2	36"X36"	W21-5g	18
FRESH OIL	4	36"X36"	W21-2	36
TOTAL			TOTAL	655

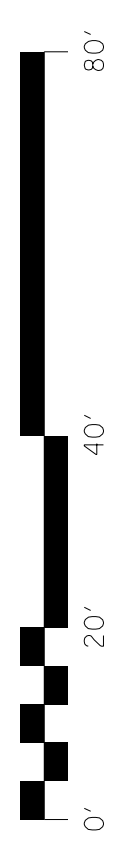
GENERAL SUMMARY

DESCRIPTION	ITEM
6" YELLOW-SOLID	(6YS)
6" YELLOW-DASHED 10-30	(6YD)
6" YELLOW-DOUBLE	(6DY)
6" YELLOW-SOLID/DASH	(6YS/YD)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" DOTTED LANE EXTEN	(6DEX)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
	THERMO CURVE ARROW
	THERMO STRAIGHT ARROW



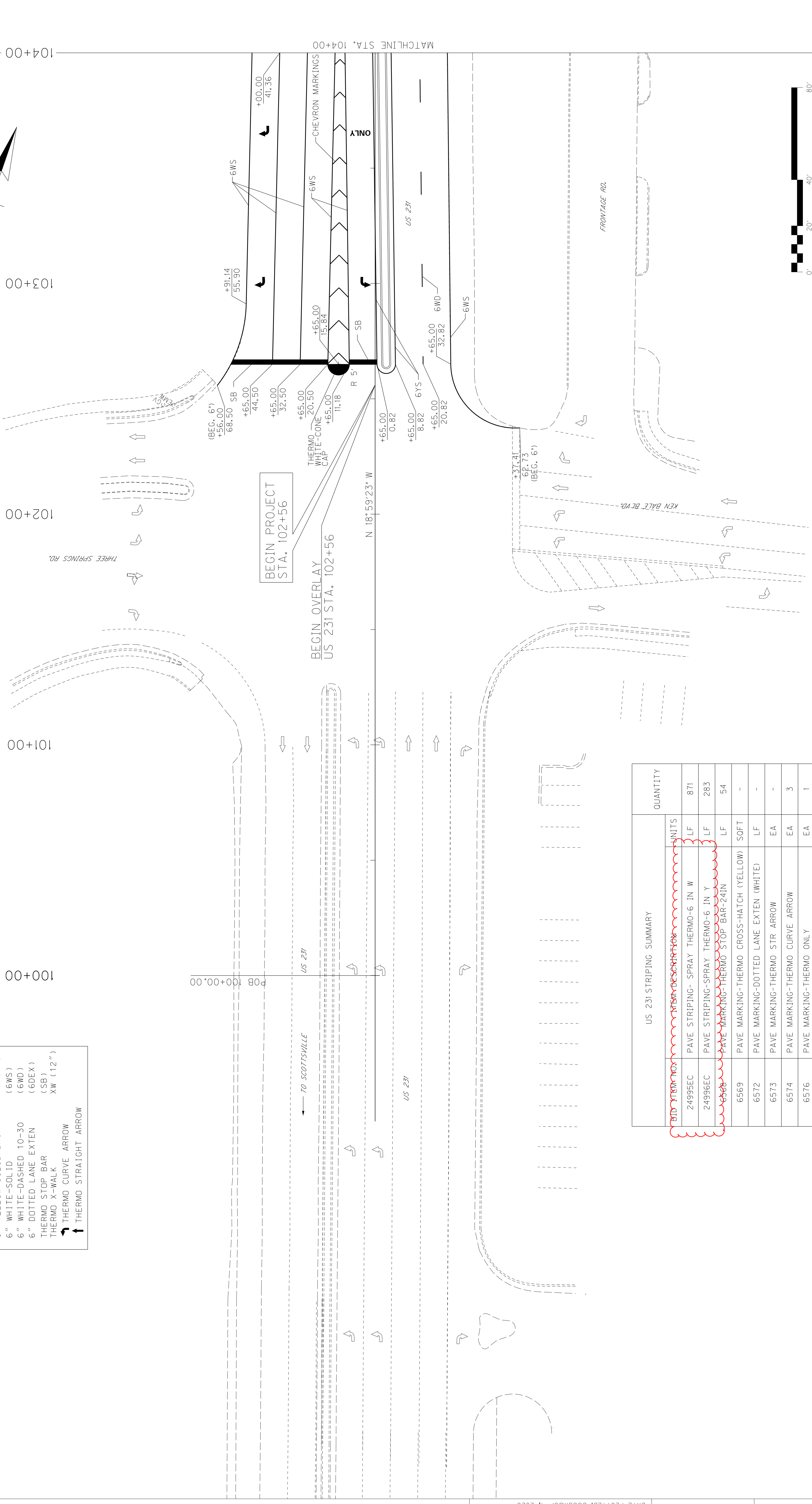
US 231 STRIPING SUMMARY			QUANTITY
BID ITEM NO.	ITEM DESCRIPTION	UNITS	
24995EC	PAVE STRIPING- SPRAY THERMO-6 IN W	LF	871
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	283
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	54
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	-
6572	PAVE MARKING-DOTTED LANE EXTEN (WHITE)	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	-
6574	PAVE MARKING-THERMO CURVE ARROW	EA	3
6576	PAVE MARKING-THERMO ONLY	EA	1
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	955
2481TEC	PAVE MARK THERMO CONE CAP-SOLID WHITE	SOFT	34

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.



LEGEND

DESCRIPTION	ITEM
6" YELLOW-SOLID	(6YS)
6" YELLOW-DASHED 10-30	(6YD)
6" YELLOW-DOUBLE	(6DY)
6" YELLOW-SOLID/DASH	(6YS/YD)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" DOTTED LANE EXTEN	(6DEX)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
	THERMO CURVE ARROW
	THERMO STRAIGHT ARROW



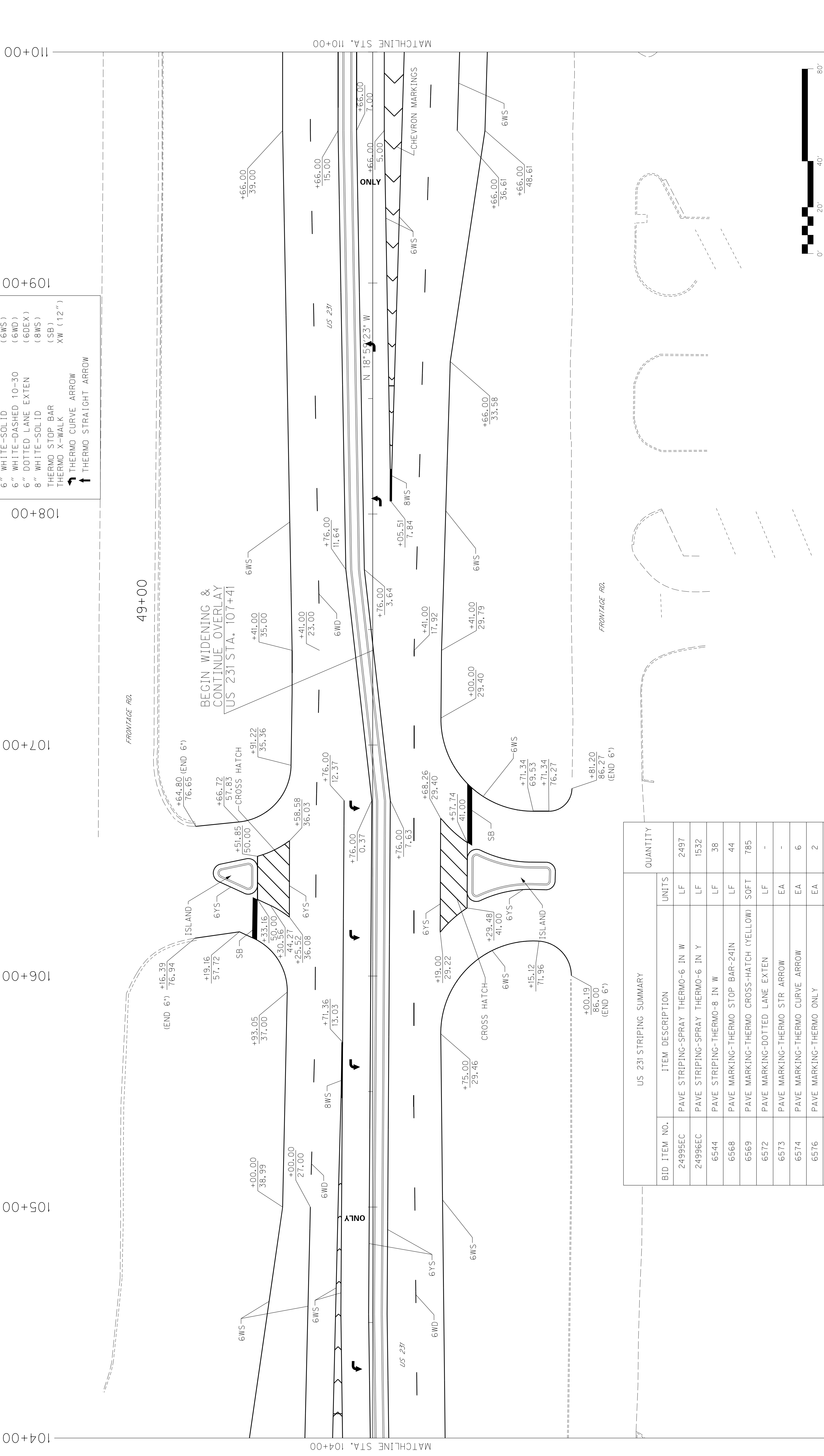
US 231 STRIPING SUMMARY

ITEM NO.	DESCRIPTION	UNITS	QUANTITY
24995EC	PAVE STRIPING- SPRAY THERMO-6 IN W	LF	871
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	283
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	54
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	-
6572	PAVE MARKING-DOTTED LANE EXTEN (WHITE)	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	-
6574	PAVE MARKING-THERMO CURVE ARROW	EA	3
6576	PAVE MARKING-THERMO ONLY	EA	1
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	955
2487IEC	PAVE MARK THERMO CONE CAP-SOLID WHITE	SOFT	34

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.

LEGEND

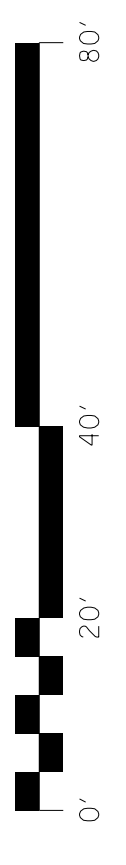
DESCRIPTION	ITEM
6" YELLOW-SOLID	(6YS)
6" YELLOW-DASHED 10-30	(6YD)
6" YELLOW-DOUBLE	(6DY)
6" YELLOW-SOLID/DASH	(6YS/YD)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" DOTTED LANE EXTEN	(6DEX)
8" WHITE-SOLID	(8WS)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
↶	THERMO CURVE ARROW
↷	THERMO STRAIGHT ARROW

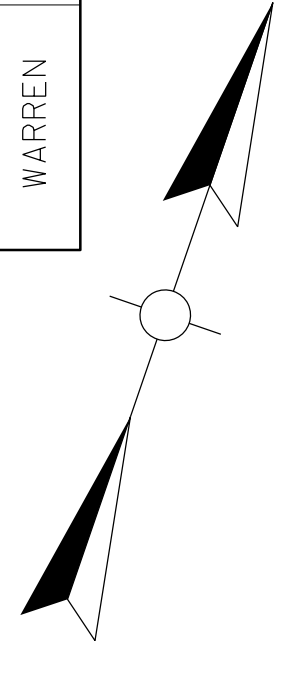


US 231 STRIPING SUMMARY

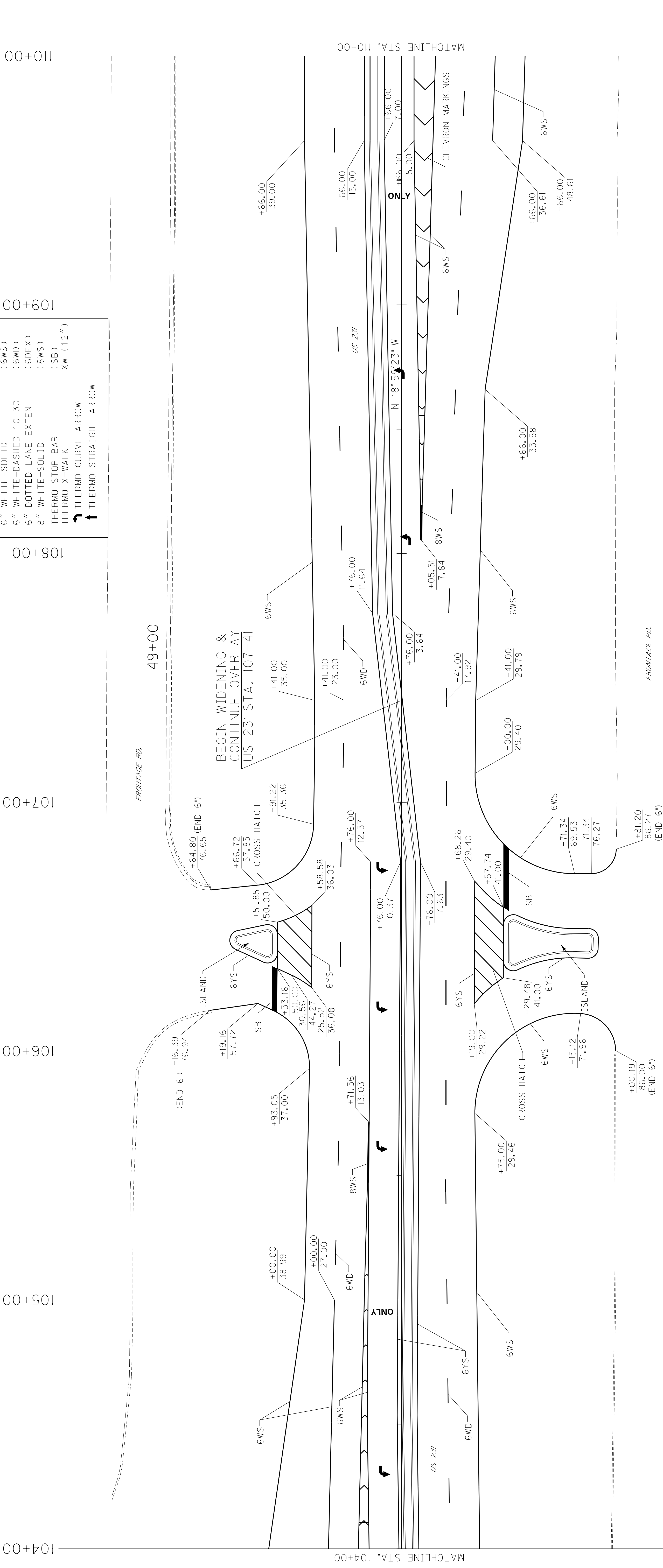
BID ITEM NO.	ITEM DESCRIPTION	QUANTITY	
		UNITS	
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	2497
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	1532
6544	PAVE STRIPING-THERMO-8 IN W	LF	38
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	44
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	785
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	-
6574	PAVE MARKING-THERMO CURVE ARROW	EA	6
6576	PAVE MARKING-THERMO ONLY	EA	2
23791EC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	719

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.



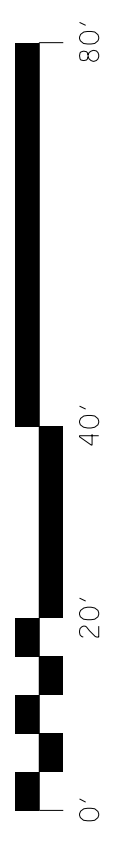
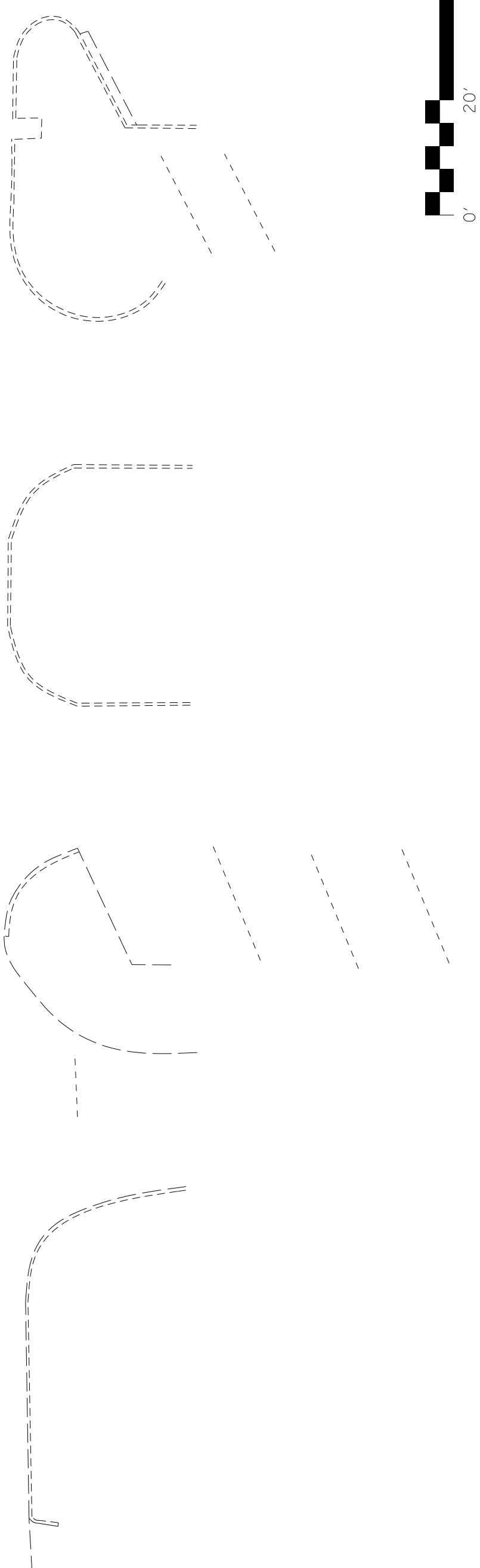


DESCRIPTION	ITEM
6" YELLOW-SOLID ID	(6YS)
6" YELLOW-DASHED 10-30	(6YD)
6" YELLOW-DOUBLE	(6DY)
6" YELLOW-SOLID/DASH	(6YS/YD)
6" WHITE-SOLID ID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" DOTTED LANE EXTEN	(6DEX)
8" WHITE-SOLID ID	(8WS)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
↖	THERMO CURVE ARROW
↗	THERMO STRAIGHT ARROW



US 231 STRIPING SUMMARY		QUANTITY
BID. ITEM NO.	ITEM DESCRIPTION	UNITS
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF 2497
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF 1532
65244	PAVE STRIPING-THERMO-8 IN W	LF 38
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF 44
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT 785
6572	PAVE MARKING-DOTTED LANE EXTEN	LF -
6573	PAVE MARKING-THERMO STR ARROW	EA -
6574	PAVE MARKING-THERMO CURVE ARROW	EA 6
6576	PAVE MARKING-THERMO ONLY	EA 2
23791EC	PAVE STRIPING-CHEVRON MARKINGS	SOFT 719

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.

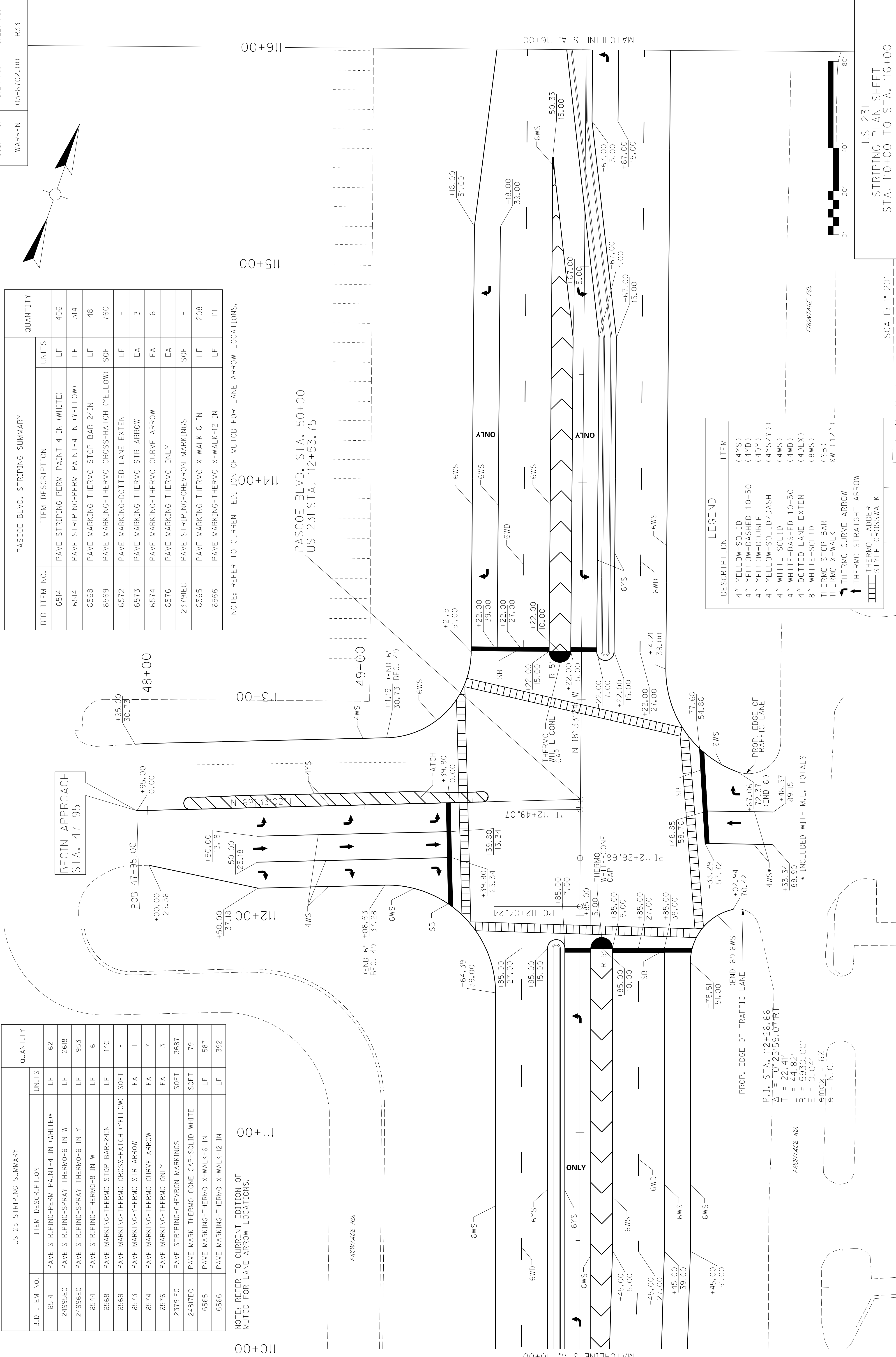


US 231 STRIPING SUMMARY		QUANTITY	
BID ITEM NO.	ITEM DESCRIPTION	UNITS	
6514	PAVE STRIPING-PERM PAINT-4 IN (WHITE)	LF	62
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	2618
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	953
6544	PAVE STRIPING-THERMO-8 IN W	LF	6
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	140
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	-
6573	PAVE MARKING-YHERMO STR ARROW	EA	1
6574	PAVE MARKING-THERMO CURVE ARROW	EA	7
6576	PAVE MARKING-THERMO ONLY	EA	3
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	3687
2487IEC	PAVE MARK THERMO CONE CAP-SOLID WHITE	SOFT	79
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	587
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	392

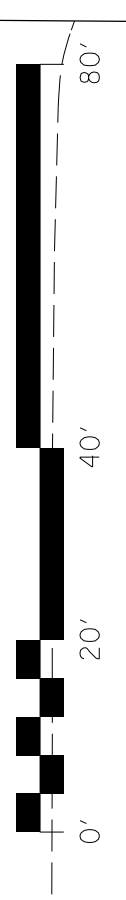
NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.

PASCOE BLVD. STRIPING SUMMARY			QUANTITY	
BID ITEM NO.	ITEM DESCRIPTION	UNITS		
6514	PAVE STRIPING-PERM PAINT-4 IN (WHITE)	LF	406	
6514	PAVE STRIPING-PERM PAINT-4 IN (YELLOW)	LF	314	
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	48	
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	760	
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-	
6573	PAVE MARKING-THERMO STR ARROW	EA	3	
6574	PAVE MARKING-THERMO CURVE ARROW	EA	6	
6576	PAVE MARKING-THERMO ONLY	EA	-	
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	-	
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	208	
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	111	

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.



DESCRIPTION	ITEM
4" YELLOW-SOLID ID	(4YS)
4" YELLOW-DASHED 10-30	(4YD)
4" YELLOW-DOUBLE (4DY)	(4DY)
4" YELLOW-SOLID/DASH (4YS/YD)	(4YS/YD)
4" WHITE-SOLID ID (4WS)	(4WS)
4" WHITE-DASHED 10-30 (4WD)	(4WD)
4" DOTTED LANE EXTEN (4DEX)	(4DEX)
8" WHITE-SOLID ID (8WS)	(8WS)
THERMO STOP BAR (SB)	(SB)
THERMO X-WALK (XW)	(XW)
THERMO CURVE ARROW	XW (12")
THERMO STRAIGHT ARROW	
THERMO LADDER	
STYLE CROSSWALK	



US 231 STRIPING PLAN SHEET
STA. 110+00 TO STA. 116+00

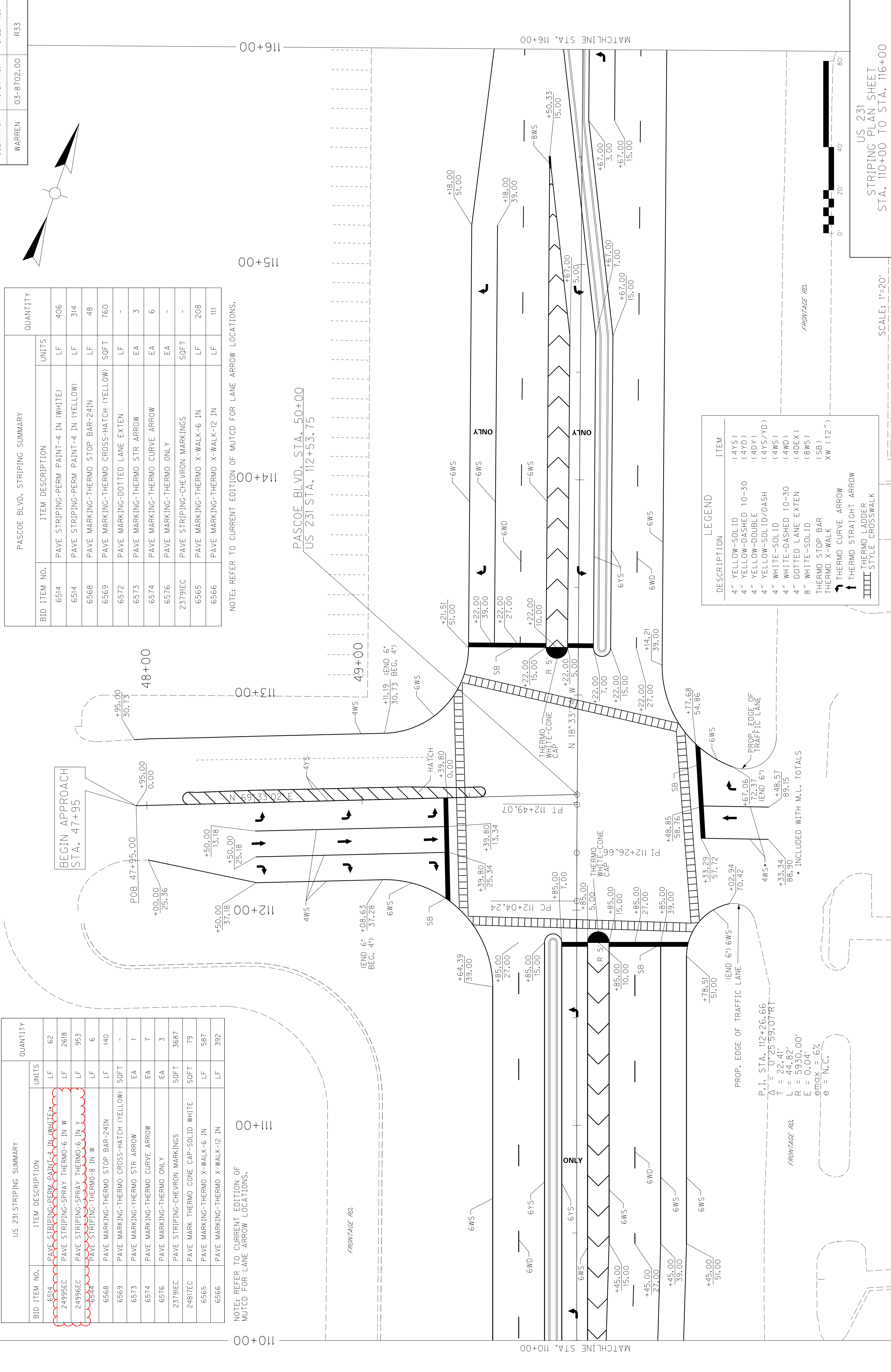
COUNTY OF	WARREN	ITEM NO.	03-8702.00	SHEET NO.	R33
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US 231 STRIPING SUMMARY		PASCOE BLVD. STRIPING SUMMARY	
BID ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
6514	PAVE STRIPING-PERM PAINT-4 IN (WHITE)	LF	406
6514	PAVE STRIPING-PERM PAINT-4 IN (YELLOW)	LF	314
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	48
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	760
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	3
6574	PAVE MARKING-THERMO CURVE ARROW	EA	6
6576	PAVE MARKING-THERMO ONLY	EA	-
2379EC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	-
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	208
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	111

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.

US 231 STRIPING SUMMARY		PASCOE BLVD. STRIPING SUMMARY	
BID ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
6514	PAVE STRIPING-PERM PAINT-4 IN (WHITE)	LF	62
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	2618
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	953
6544	PAVE STRIPING-THERMO-8 IN W	LF	6
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	140
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	-
6573	PAVE MARKING-THERMO STR ARROW	EA	1
6574	PAVE MARKING-THERMO CURVE ARROW	EA	7
6576	PAVE MARKING-THERMO ONLY	EA	3
2379EC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	3687
2487EC	PAVE MARK THERMO CONE CAP-SOLID WHITE	SOFT	79
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	587
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	392

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.



DESCRIPTION	ITEM
4" YELLOW-SOLID ID	(4YS)
4" YELLOW-DASHED 10-30	(4YD)
4" YELLOW-DOUBLE	(4DY)
4" YELLOW-SOLID/DASH	(4YS/YD)
4" WHITE-SOLID ID	(4WS)
4" WHITE-DASHED 10-30	(4WD)
4" DOTTED LANE EXTEN	(4DEX)
8" WHITE-SOLID ID	(8WS)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
THERMO CURVE ARROW	
THERMO STRAIGHT ARROW	
THERMO LADDER	
STYLE CROSSWALK	

US 231 STRIPING PLAN SHEET STA. 110+00 TO STA. 116+00 SCALE: 1"=20'

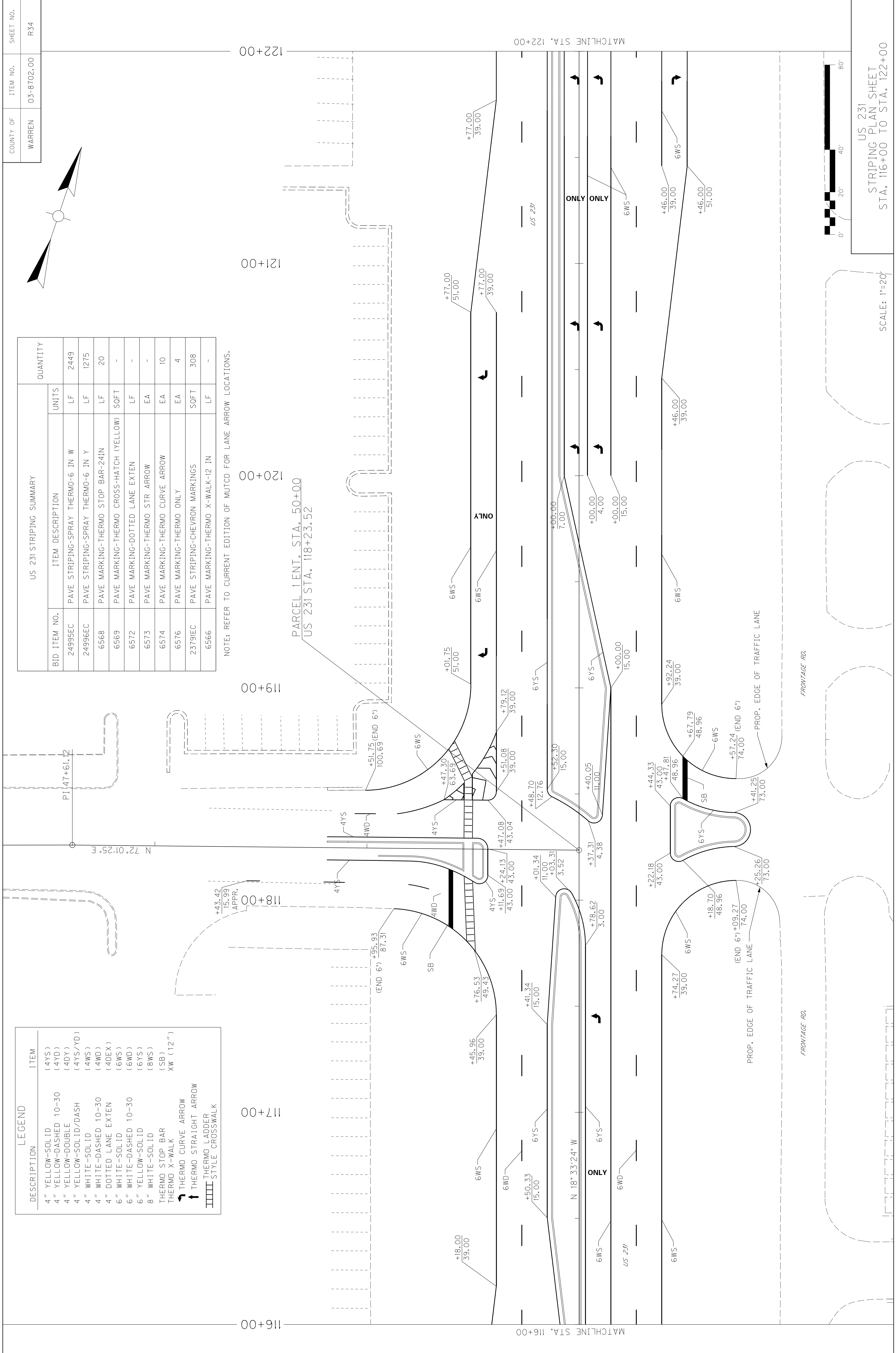
LEGEND

DESCRIPTION	ITEM
4" YELLOW-SOLID	(4YS)
4" YELLOW-DASHED 10-30	(4YD)
4" YELLOW-DOUBLE	(4DY)
4" YELLOW-SOLID/DASH	(4YS/YD)
4" WHITE-SOLID	(4WS)
4" WHITE-DASHED 10-30	(4WD)
4" DOTTED LANE EXTEN	(4DEX)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" YELLOW-SOLID	(6YS)
8" WHITE-SOLID	(8WS)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
THERMO CURVE ARROW	
THERMO STRAIGHT ARROW	
THERMO LADDER	
STYLE CROSSWALK	

US 231 STRIPING SUMMARY

BID ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
2499SEC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	2449
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	1275
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	20
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	-
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	-
6574	PAVE MARKING-THERMO CURVE ARROW	EA	10
6576	PAVE MARKING-THERMO ONLY	EA	4
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	308
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	-

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.



COUNTY OF	ITEM NO.	SHEET NO.
WARREN	03-8702-00	R34



FRONTAGE RD.

FRONTAGE RD.



US 231
STRIPING PLAN SHEET
STA. 116+00 TO STA. 122+00

SCALE: 1"=20'

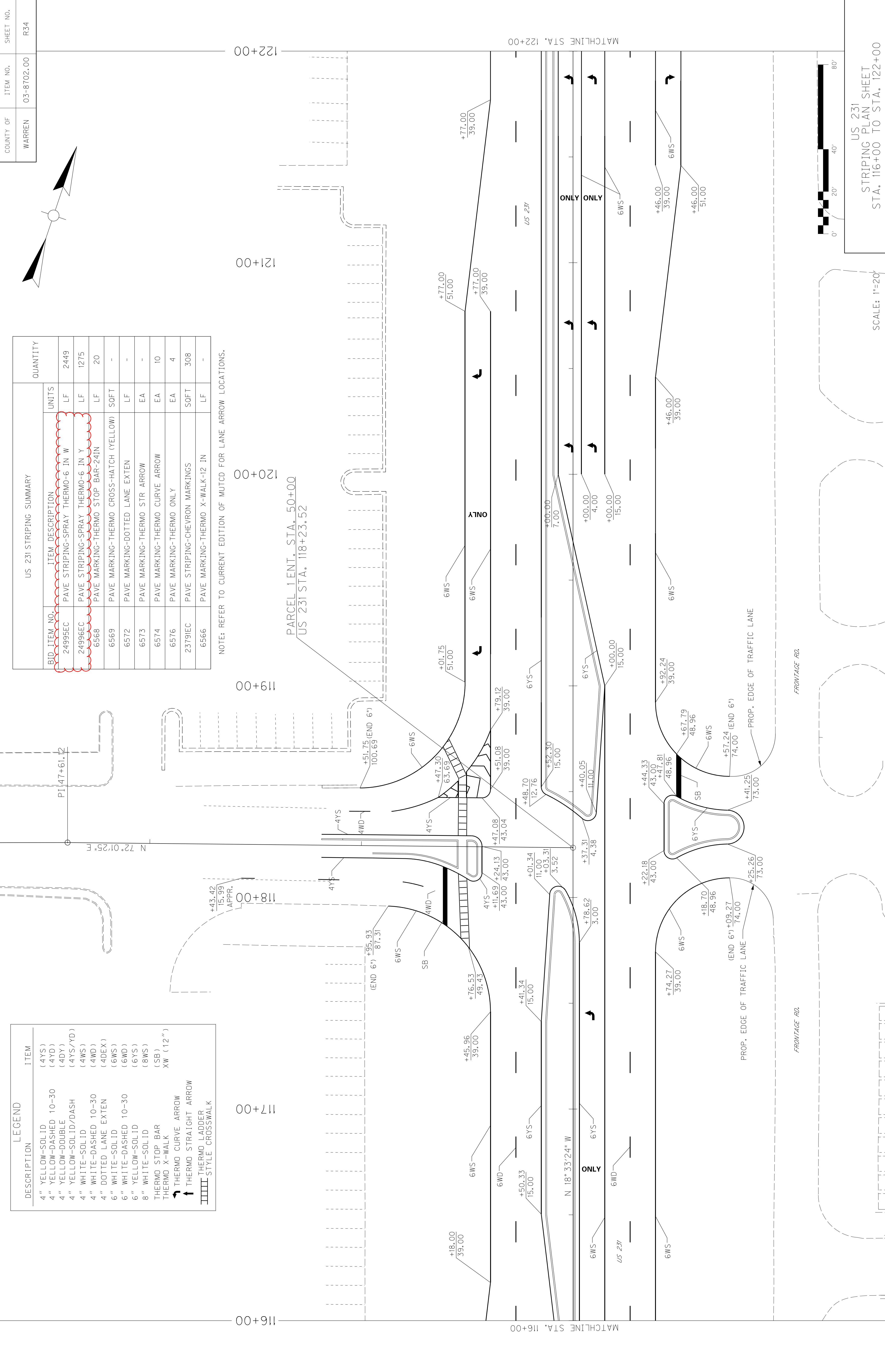
LEGEND

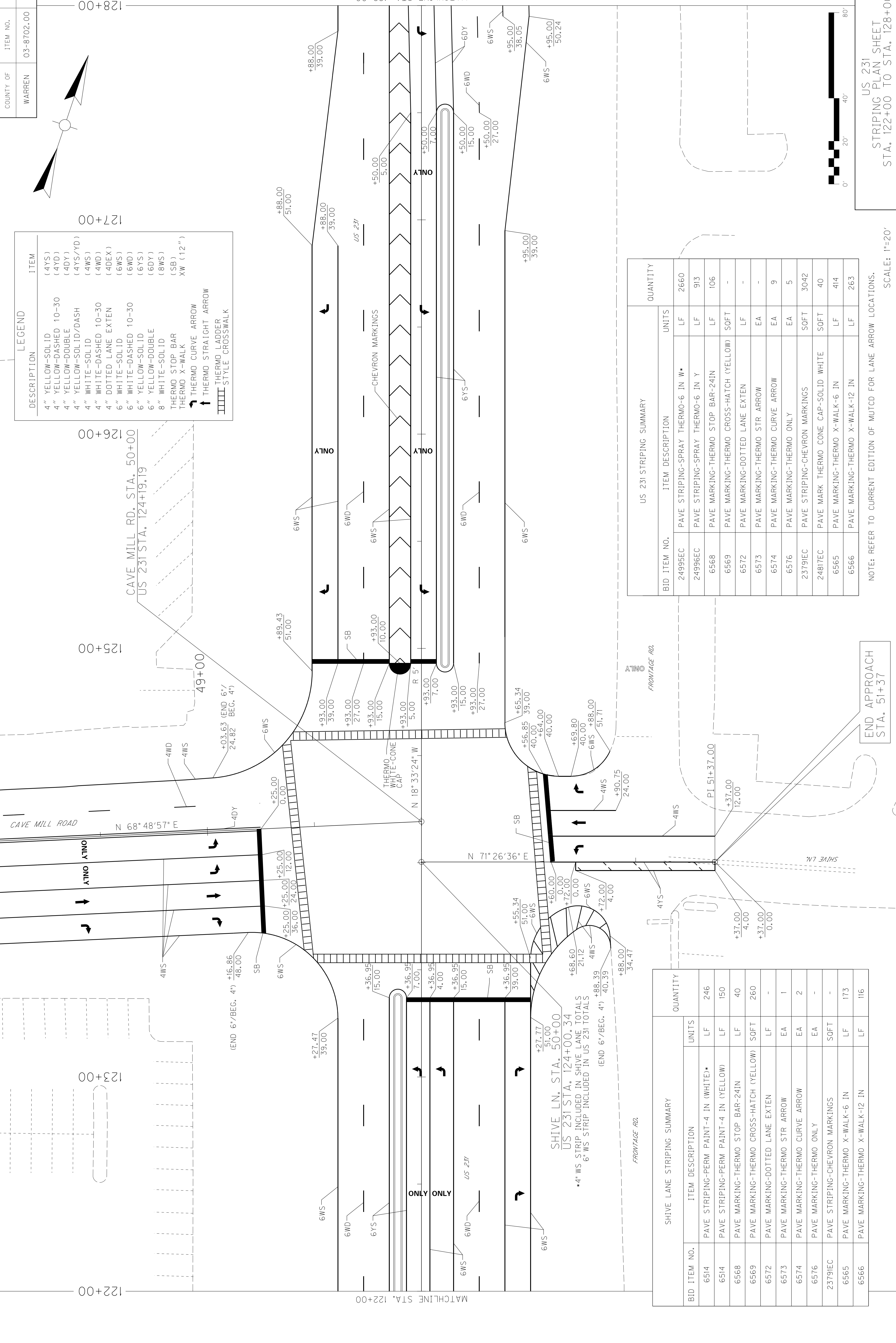
DESCRIPTION	ITEM
4" YELLOW-SOLID	(4YS)
4" YELLOW-DASHED 10-30	(4YD)
4" YELLOW-DOUBLE	(4DY)
4" YELLOW-SOLID/DASH	(4YS/YD)
4" WHITE-SOLID	(4WS)
4" WHITE-DASHED 10-30	(4WD)
4" DOTTED LANE EXTEN	(4DEX)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" YELLOW-SOLID	(6YS)
8" WHITE-SOLID	(8WS)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
THERMO CURVE ARROW	↶ ↷ ↸ ↹
THERMO STRAIGHT ARROW	↔
THERMO LADDER	▬▬▬▬
STYLE CROSSWALK	▬▬▬▬

US 231 STRIPING SUMMARY

BID ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
2499SEC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	2449
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	1275
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	20
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	-
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	-
6574	PAVE MARKING-THERMO CURVE ARROW	EA	10
6576	PAVE MARKING-THERMO ONLY	EA	4
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	308
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	-

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.





LEGEND

DESCRIPTION	ITEM
4" YELLOW-SOLID	(4YS)
4" YELLOW-DASHED 10-30	(4YD)
4" YELLOW-DOUBLE	(4DY)
4" YELLOW-SOLID/DASH	(4YS/YD)
4" WHITE-SOLID	(4WS)
4" WHITE-DASHED 10-30	(4WD)
4" DOTTED LANE EXTEN	(4DEX)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" YELLOW-SOLID	(6YS)
6" YELLOW-DOUBLE	(6DY)
8" WHITE-SOLID	(8WS)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
↑ THERMO CURVE ARROW	
↑ THERMO STRAIGHT ARROW	
THERMO LADDER	
STYLE CROSSWALK	

US 231 STRIPING SUMMARY

BID ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
2499SEC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	2660
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	913
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	106
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	-
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	-
6574	PAVE MARKING-THERMO CURVE ARROW	EA	9
6576	PAVE MARKING-THERMO ONLY	EA	5
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	3042
2487EC	PAVE MARK THERMO CONE CAP-SOLID WHITE	SOFT	40
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	414
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	263

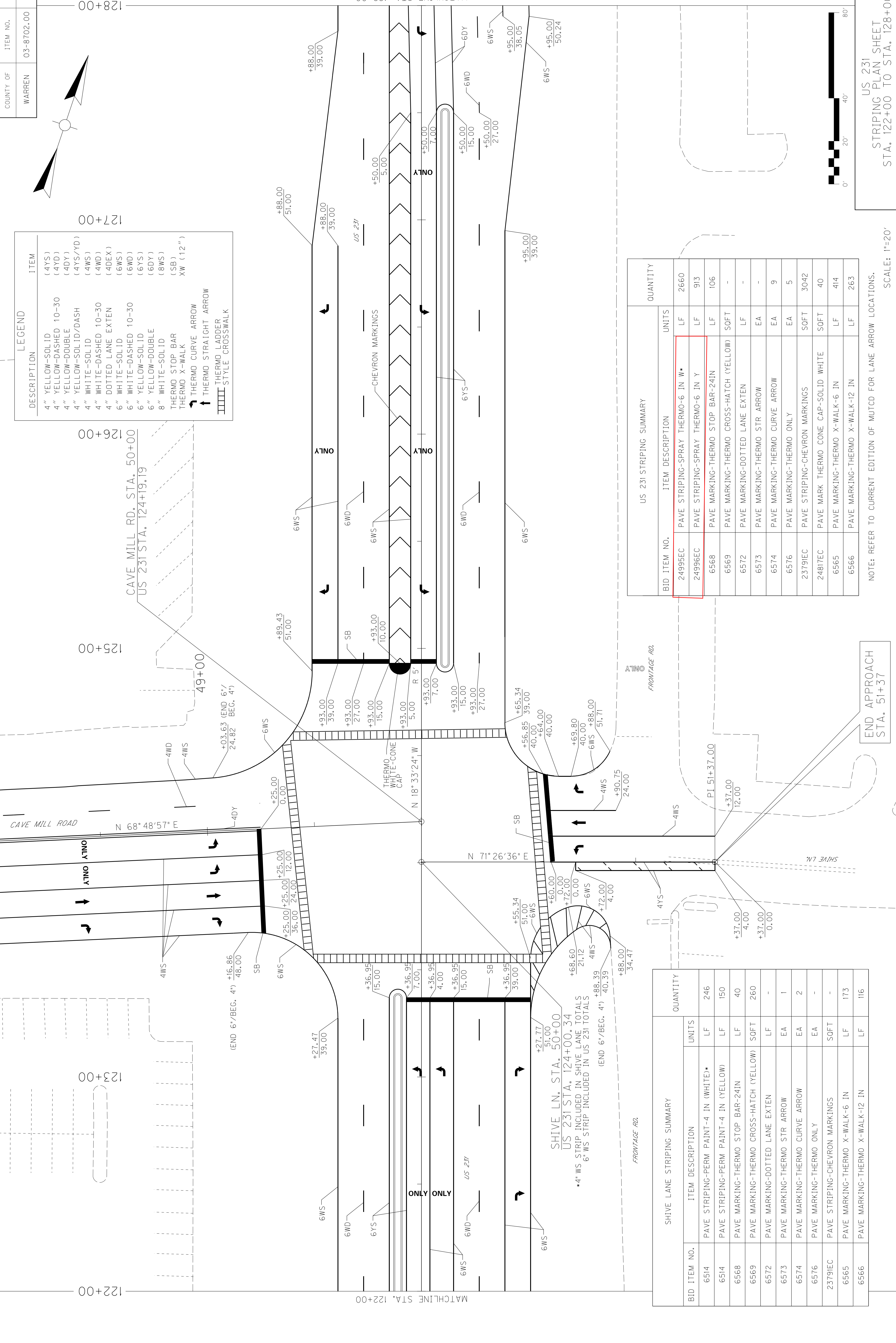
SHIVE LANE STRIPING SUMMARY

BID ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
6514	PAVE STRIPING-PERM PAINT-4 IN (WHITE)	LF	246
6514	PAVE STRIPING-PERM PAINT-4 IN (YELLOW)	LF	150
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	40
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	260
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	1
6574	PAVE MARKING-THERMO CURVE ARROW	EA	2
6576	PAVE MARKING-THERMO ONLY	EA	-
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	-
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	173
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	116

US 231 STRIPING PLAN SHEET STA. 122+00 TO STA. 128+00

SCALE: 1"=20'

END APPROACH STA. 51+37



LEGEND

DESCRIPTION	ITEM
4" YELLOW-SOLID	(4YS)
4" YELLOW-DASHED 10-30	(4YD)
4" YELLOW-DOUBLE	(4DY)
4" YELLOW-SOLID/DASH	(4YS/YD)
4" WHITE-SOLID	(4WS)
4" WHITE-DASHED 10-30	(4WD)
4" DOTTED LANE EXTEN	(4DEX)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" YELLOW-SOLID	(6YS)
6" YELLOW-DOUBLE	(6DY)
8" WHITE-SOLID	(8WS)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
↑ THERMO CURVE ARROW	
↑ THERMO STRAIGHT ARROW	
THERMO LADDER	
STYLE CROSSWALK	

US 231 STRIPING SUMMARY

BID ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	2660
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	913
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	106
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	-
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	-
6574	PAVE MARKING-THERMO CURVE ARROW	EA	9
6576	PAVE MARKING-THERMO ONLY	EA	5
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	3042
2487TEC	PAVE MARK THERMO CONE CAP-SOLID WHITE	SOFT	40
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	414
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	263

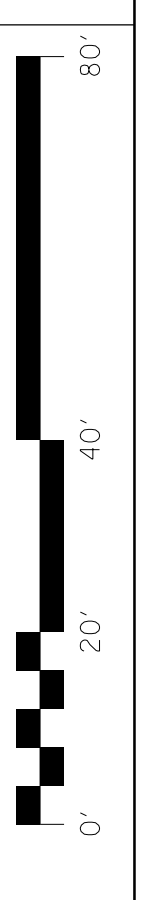
SHIVE LANE STRIPING SUMMARY

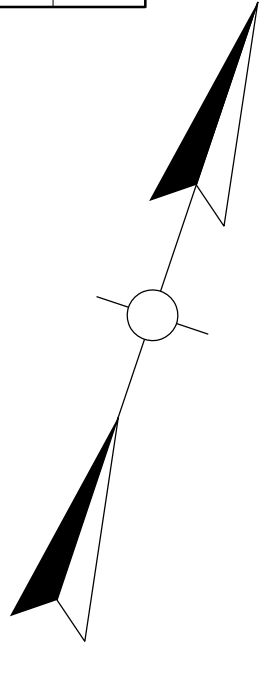
BID ITEM NO.	ITEM DESCRIPTION	UNITS	QUANTITY
6514	PAVE STRIPING-PERM PAINT-4 IN (WHITE)	LF	246
6514	PAVE STRIPING-PERM PAINT-4 IN (YELLOW)	LF	150
6568	PAVE MARKING-THERMO STOP BAR-24IN	LF	40
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	260
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	1
6574	PAVE MARKING-THERMO CURVE ARROW	EA	2
6576	PAVE MARKING-THERMO ONLY	EA	-
2379IEC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	-
6565	PAVE MARKING-THERMO X-WALK-6 IN	LF	173
6566	PAVE MARKING-THERMO X-WALK-12 IN	LF	116

US 231 STRIPING PLAN SHEET STA. 122+00 TO STA. 128+00

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS. SCALE: 1"=20'

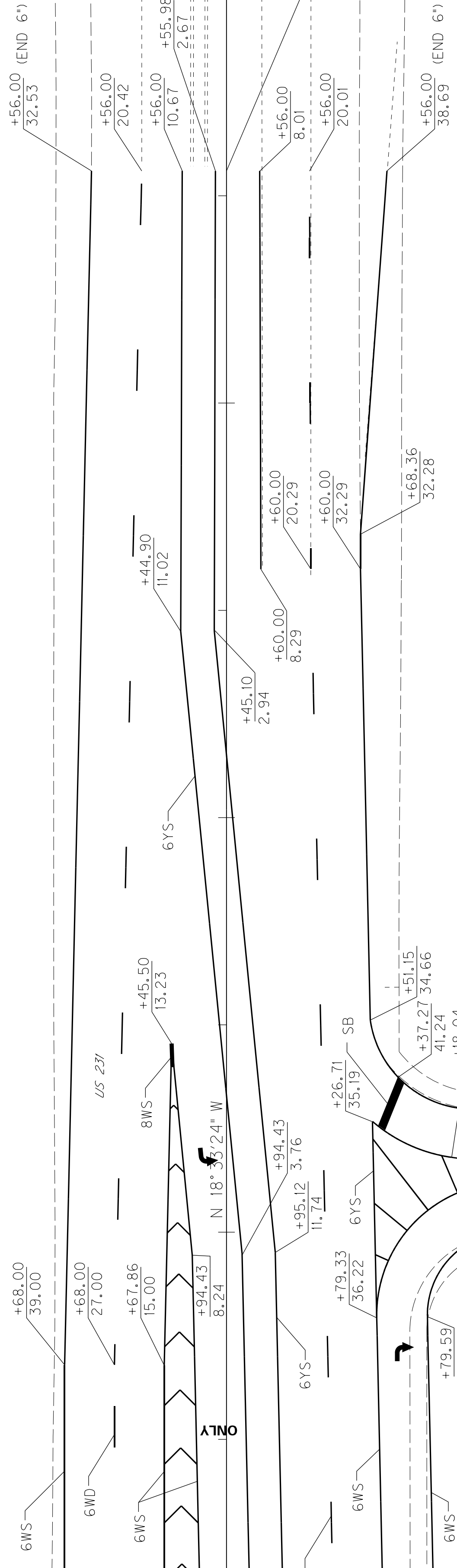
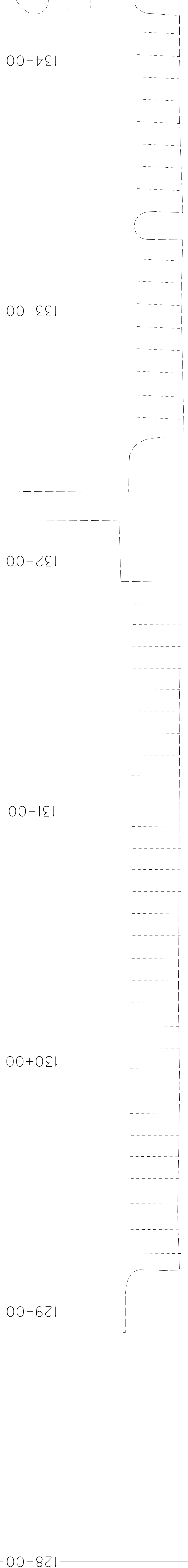
END APPROACH STA. 51+37





128+00 129+00 130+00 131+00 132+00 133+00 134+00

MATCHLINE STA. 128+00



END WIDENING & OVERLAY
US-231 STA: 131+56

US 231

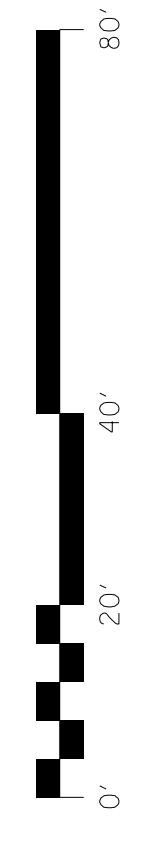
TO BOWLING GREEN

NOTE: MATCH TO EXISTING LANE LINES AT STA. 131+56

DESCRIPTION	ITEM
6" YELLOW-SOLID	(6YS)
6" YELLOW-DASHED 10-30	(6YD)
6" YELLOW-DOUBLE	(6DY)
6" YELLOW-SOLID/DASH	(6YS/YD)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" DOTTED LANE EXTEN	(6DEX)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
↑ THERMO CURVE ARROW	
↑ THERMO STRAIGHT ARROW	

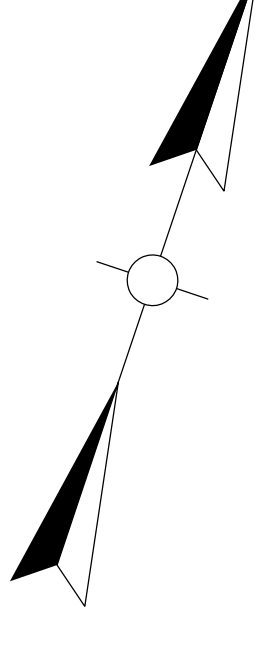
STRIPING SUMMARY			QUANTITY	
BID ITEM NO.	ITEM DESCRIPTION	UNITS		
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	1487	
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	867	
6516	PAVE STRIPING-THERMO-8 IN W	LF	6	
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	474	
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-	
6573	PAVE MARKING-THERMO STR ARROW	EA	-	
6574	PAVE MARKING-THERMO CURVE ARROW	EA	4	
6576	PAVE MARKING-THERMO ONLY	EA	1	
23791EC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	888	

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.



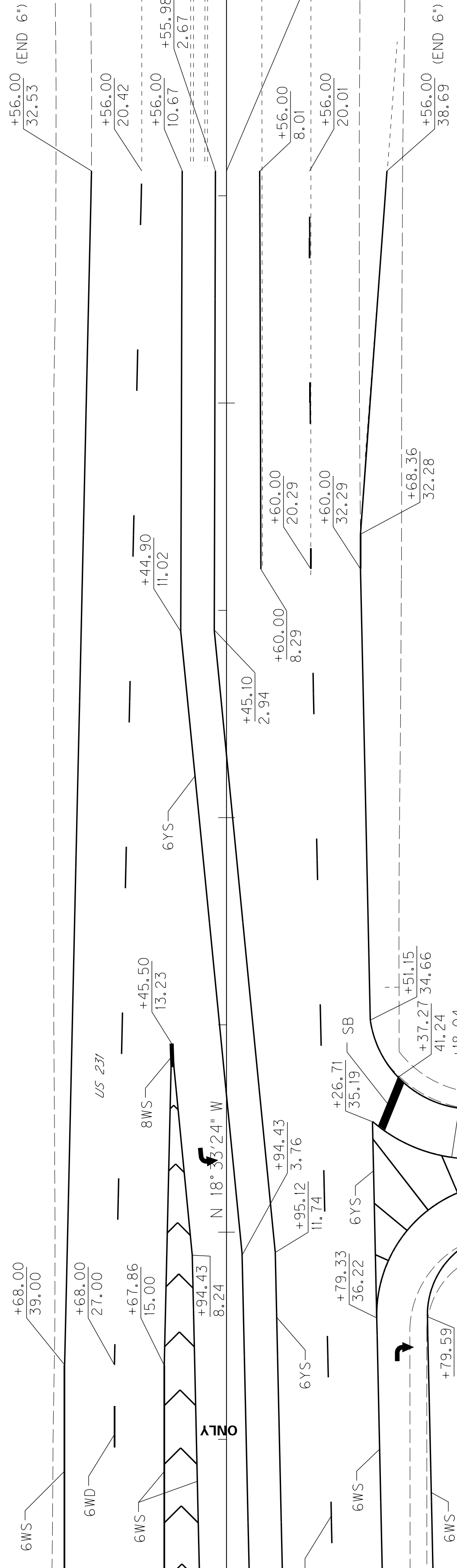
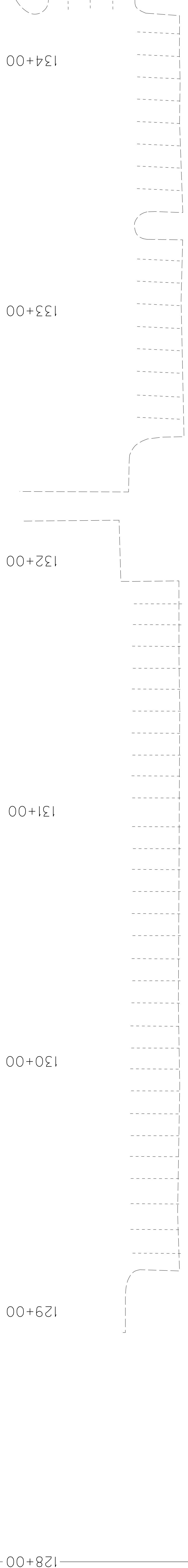
SCALE: 1"=20'

US 231
STRIPING PLAN SHEET
STA. 128+00 TO STA. 131+56



128+00 129+00 130+00 131+00 132+00 133+00 134+00

MATCHLINE STA. 128+00

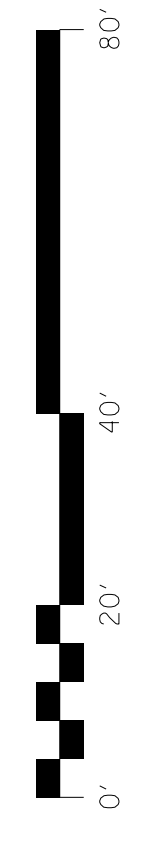


NOTE: MATCH TO EXISTING LANE LINES AT STA. 131+56

DESCRIPTION	ITEM
6" YELLOW-SOLID	(6YS)
6" YELLOW-DASHED 10-30	(6YD)
6" YELLOW-DOUBLE	(6DY)
6" YELLOW-SOLID/DASH	(6YS/YD)
6" WHITE-SOLID	(6WS)
6" WHITE-DASHED 10-30	(6WD)
6" DOTTED LANE EXTEN	(6DEX)
THERMO STOP BAR	(SB)
THERMO X-WALK	XW (12")
↑ THERMO CURVE ARROW	
↑ THERMO STRAIGHT ARROW	

AID ITEM NO.	STRIPING SUMMARY		QUANTITY
	ITEM DESCRIPTION	UNITS	
24995EC	PAVE STRIPING-SPRAY THERMO-6 IN W	LF	1487
24996EC	PAVE STRIPING-SPRAY THERMO-6 IN Y	LF	867
6516	PAVE STRIPING-THERMO-8 IN W	LF	6
6569	PAVE MARKING-THERMO CROSS-HATCH (YELLOW)	SOFT	474
6572	PAVE MARKING-DOTTED LANE EXTEN	LF	-
6573	PAVE MARKING-THERMO STR ARROW	EA	-
6574	PAVE MARKING-THERMO CURVE ARROW	EA	4
6576	PAVE MARKING-THERMO ONLY	EA	1
23791EC	PAVE STRIPING-CHEVRON MARKINGS	SOFT	888

NOTE: REFER TO CURRENT EDITION OF MUTCD FOR LANE ARROW LOCATIONS.

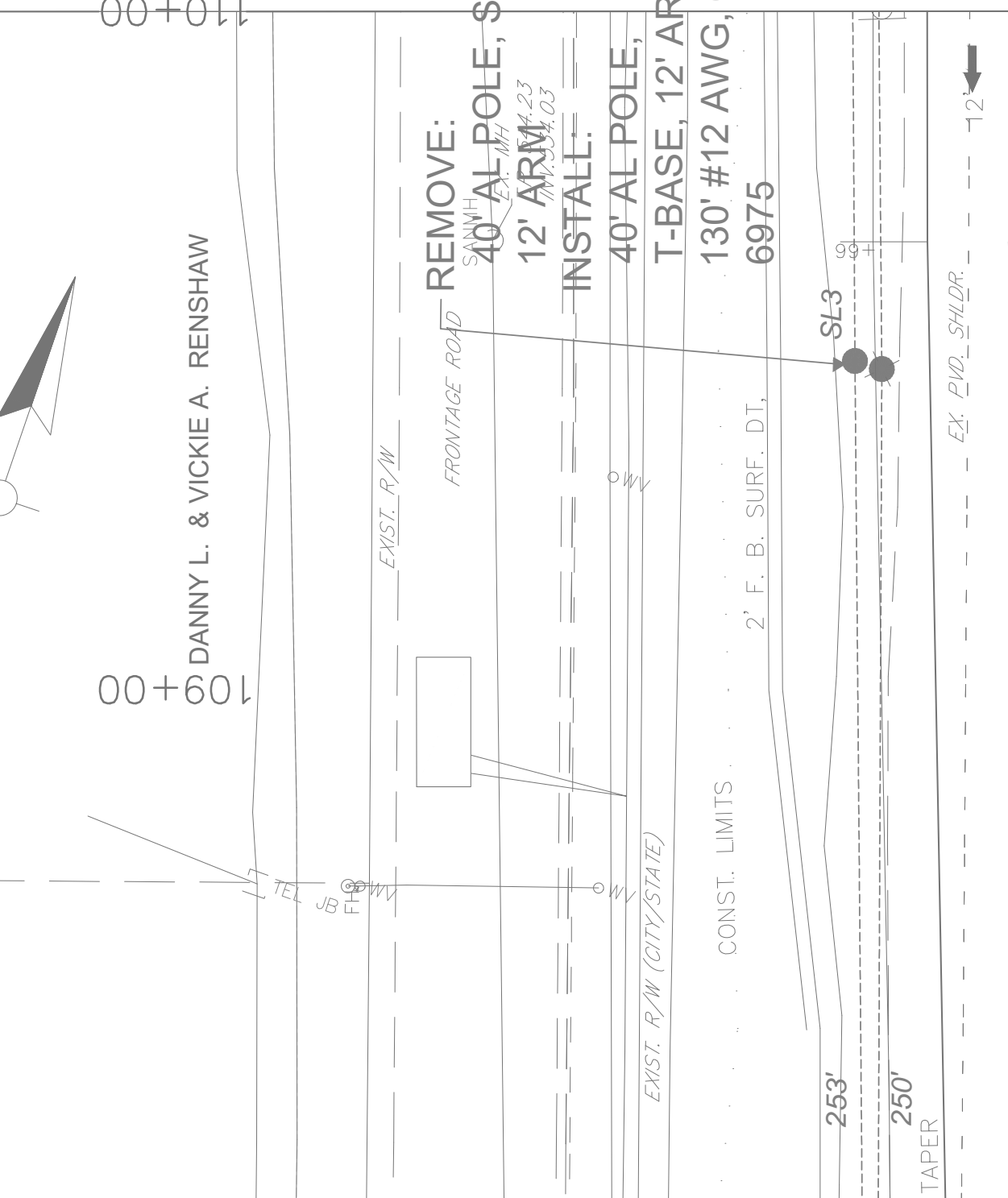
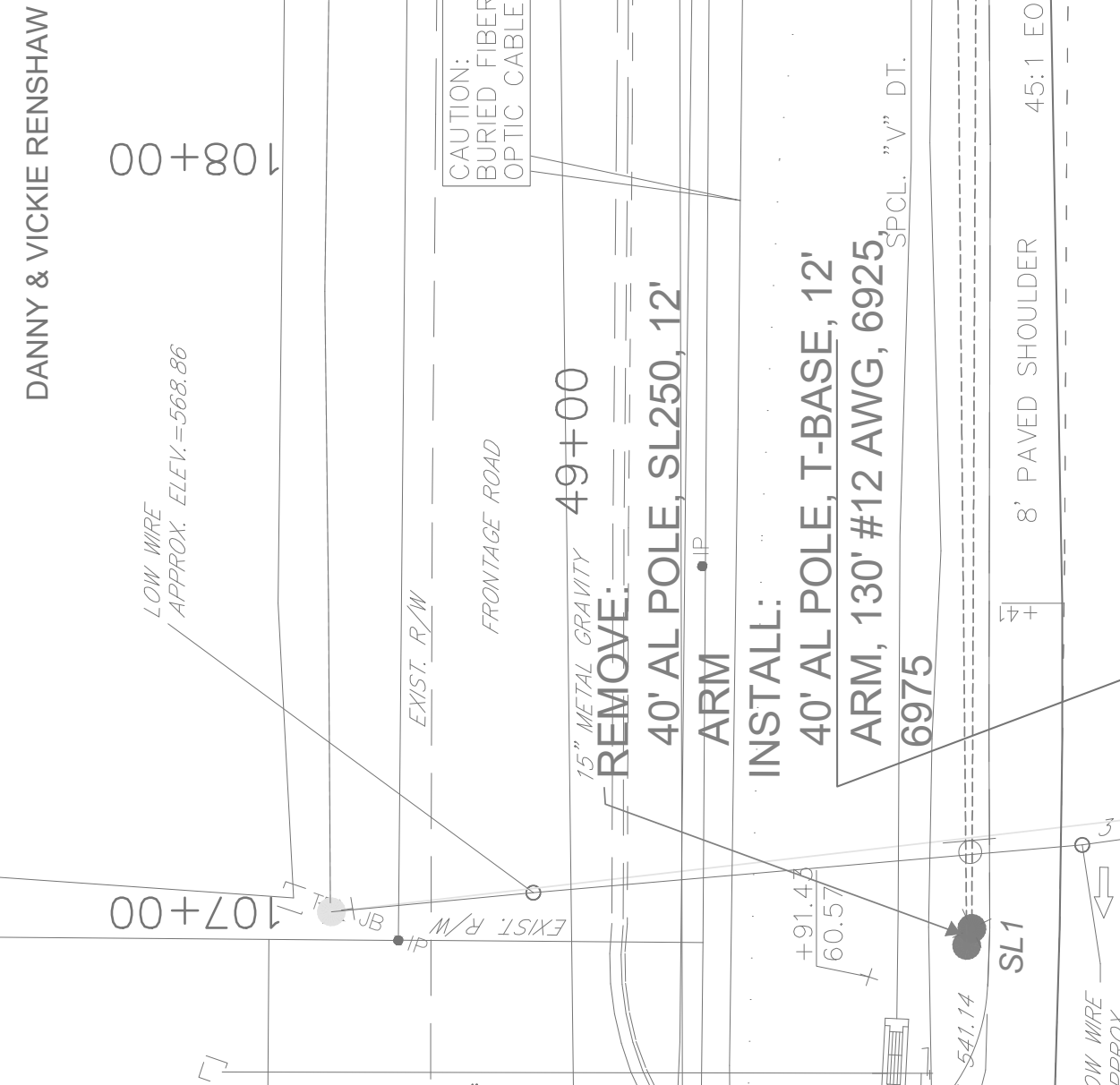
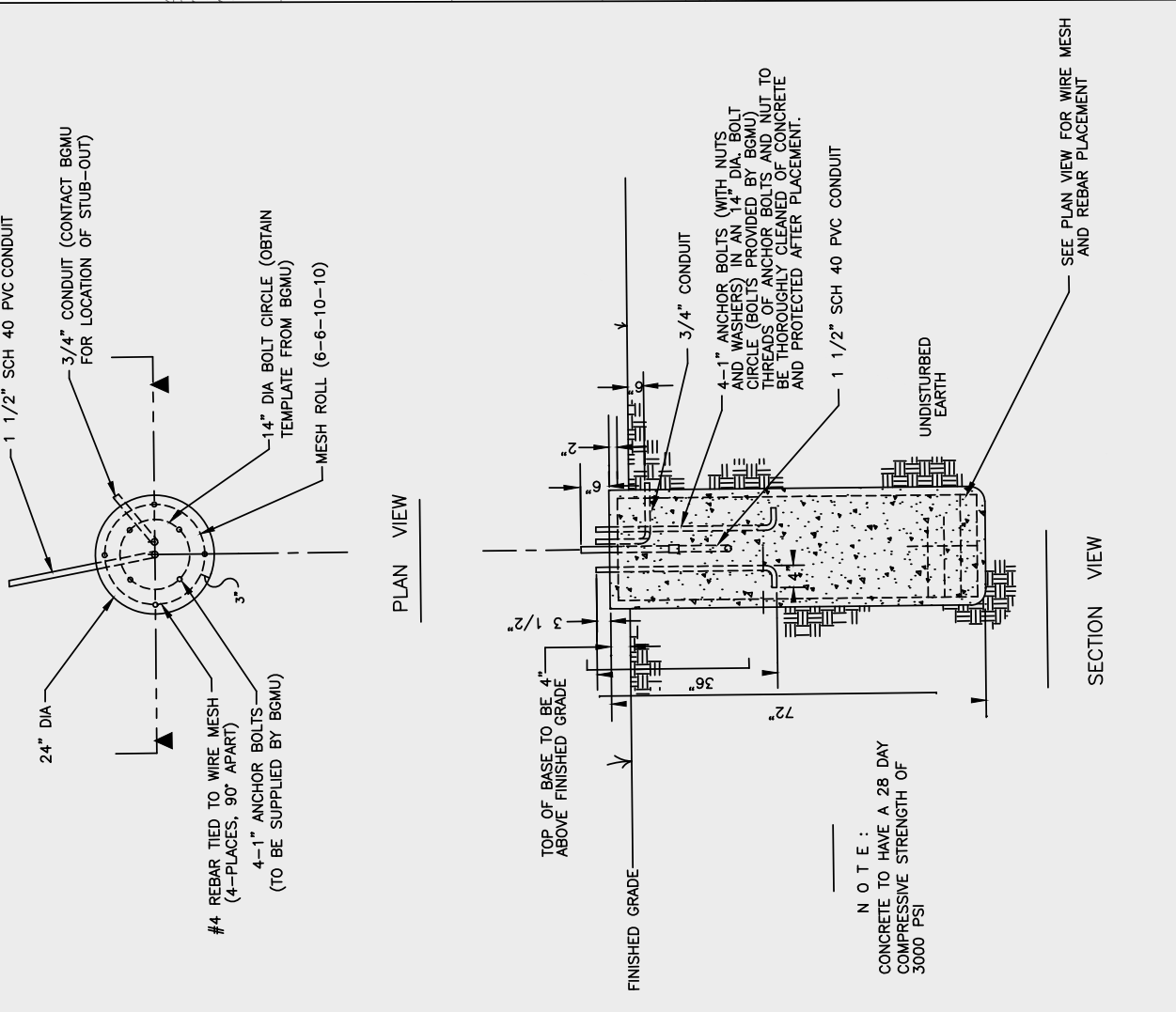


SCALE: 1"=20'

BGMU STREET LIGHT DETAIL AND REQUIREMENTS

GENERAL REQUIREMENTS FOR STREET LIGHT CONDUIT INSTALLATION

- TRENCHING, BACKFILL AND CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE OWNER/DEVELOPER.
- THE INSTALLATION OF POWER CONDUCTORS AND STREET LIGHT POLES WILL BE PERFORMED BY BGMU.
- ALL MATERIALS AND METHODS USED BY THE OWNER/DEVELOPER ARE SUBJECT TO BGMU SPECIFICATIONS. PERIODIC INSPECTION DURING CONSTRUCTION AND A FINAL INSPECTION OF THE OWNER/DEVELOPER'S WORK IS MADE BY BGMU BEFORE ACCEPTANCE.
- THE SUBDIVISION OR AREA MUST BE AT LEAST ROUGH GRADE BEFORE ANY TRENCHING CAN BEGIN.
- THE MINIMUM SIZE OF PVC CONDUIT SHALL BE 1", SIZES OF 1 1/4", 1 1/2" AND 2" CONDUIT MAY ALSO BE SPECIFIED BY BGMU.
- THE MINIMUM DEPTH TO THE TOP OF THE CONDUIT SHALL BE 24" BELOW EXISTING AND FINAL GRADE, INCLUDING DRAINAGE DITCHES. THE TRENCH MUST BE BACKFILLED WITH CLEAN DIRT (NO BUILDING DEBRIS).
- ALL BENDS IN THE CONDUIT SHALL BE OF SUFFICIENT RADIUS TO PERMIT EASE IN PULLING WIRE. ALL 90° BENDS MUST HAVE A MINIMUM RADIUS OF 18".
- ALL STREET LIGHT CONDUIT INSTALLATIONS REQUIRE WARNING TAPE TO BE INSTALLED 12" BELOW FINAL GRADE. WARNING TAPE WILL BE FURNISHED BY BGMU UPON REQUEST.
- ALL CONDUITS SHALL CONTAIN A PULL STRING FOR USE IN PULLING THE CONDUCTOR THROUGH THE CONDUIT. THE PULL STRING SHALL BE RATED AT LEAST 150 LBS. AND BE NYLON CONSTRUCTION.
- WHEN CROSSING OTHER BURIED UTILITY LINES, CONDUIT SHALL BE LOCATED BENEATH ALL OTHER UTILITIES WHERE POSSIBLE.
- THE OWNER/DEVELOPER IS RESPONSIBLE FOR CORRECTING ANY DEPTH OF CONDUIT VIOLATION AT THE TIME THE VIOLATION BECOMES APPARENT.
- ANY CHANGES TO BGMU'S SPECIFICATIONS MUST BE DESIGNED OR APPROVED BY BGMU.
- BEFORE ANY EXCAVATION IS PERFORMED, THE OWNER/DEVELOPER MUST CONTACT THE BUD CENTER AT 1-800-752-6007 FOR LOCATION OF UNDERGROUND FACILITIES. BGMU USES RED MARKING PAINT TO INDICATE UNDERGROUND ELECTRIC LINES.



STREET LIGHT WIRE TABLE

ITEM	DESCRIPTION	UNIT	QTY
4820	EXCAVATION	LF	4,045
4740	MATERIAL/LABOR	EACH	17
4794	POLE BASE	LF	3,625
4797	CONDUIT-1 1/2 IN	LF	540
17518	CONDUIT-3 IN	LF	3
	EC ELECTRICAL PULL BOX INST	EACH	3

STREET LIGHT CONDUIT AND BASE INSTALLATION SUMMARY

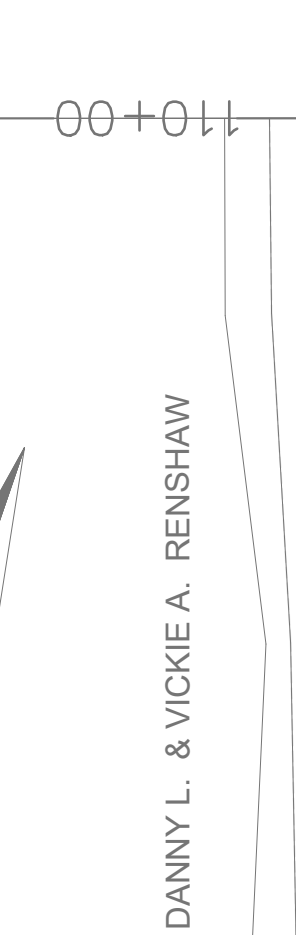
SL1 TO V1:	INSTALL 6UGALDP - 605"
SL2 TO E2:	INSTALL 6UGALDP - 762'
E2 TO SL12:	INSTALL 6UGALDP - 714'
SL11 TO P7:	INSTALL 6UGALDP - 306'
SL14 TO ESL19:	INSTALL 6UGALDP - 686'
SL15 TO ESL18:	INSTALL 6UGALDP - 578'
SL1 TO R7:	REMOVE 6UGALDP - 1,693'
SL2 TO E2:	REMOVE 6UGALDP - 724'
E2 TO SL12:	REMOVE 6UGALDP - 682'
SL14 TO ESL19:	REMOVE 6UGALDP - 660'
SL15 TO ESL18:	REMOVE 6UGALDP - 569'
E1 TO V3:	INSTALL 350UGALTP - 494'

NOTE: ITEM 17518 IS FURNISHED BY BGMU AND INSTALLED BY THE CONTRACTOR

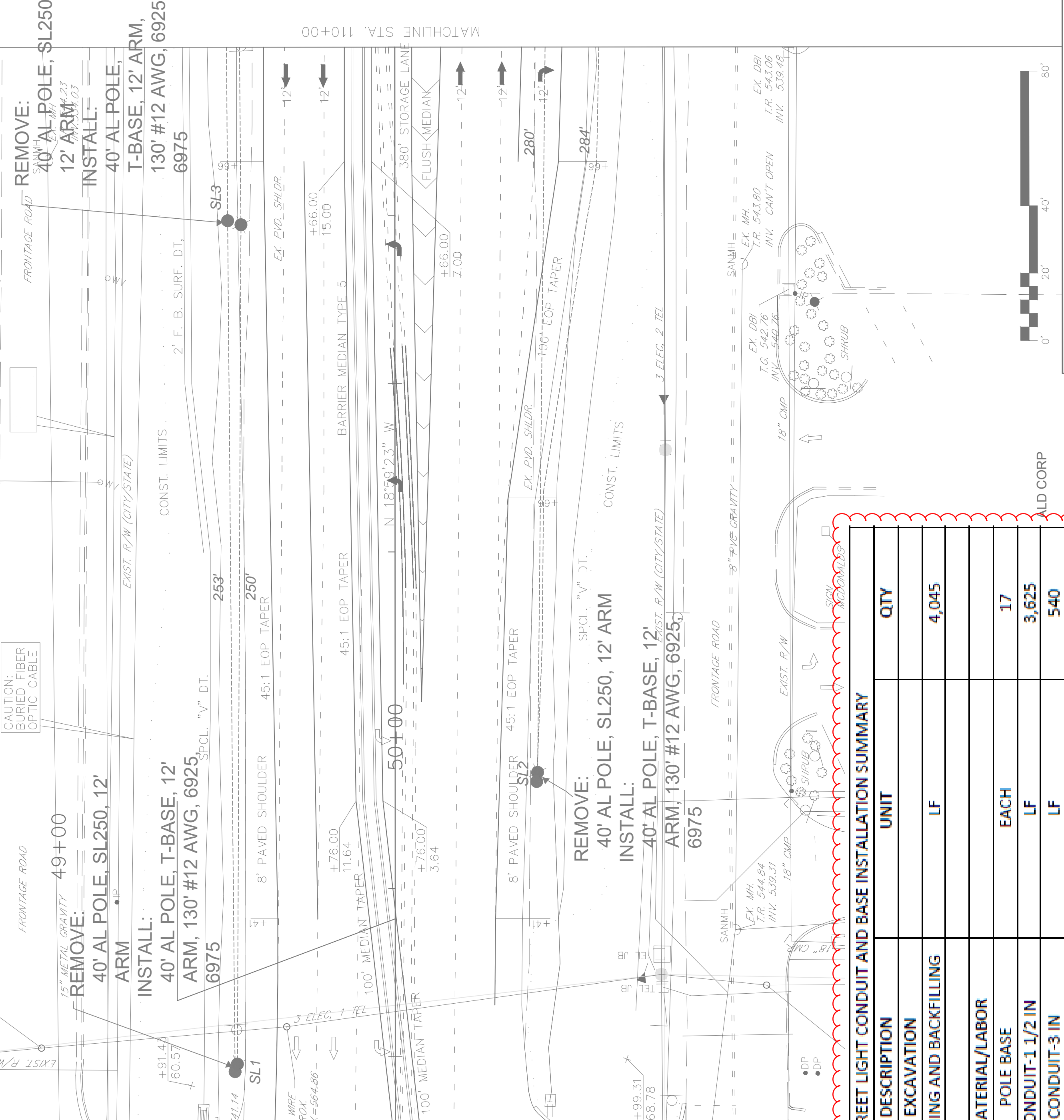
SCALE: 1"=20'

US 231
PLAN SHEET
STA. 104+00 TO STA. 110+00

DANNY L. & VICKIE A. RENSHAW

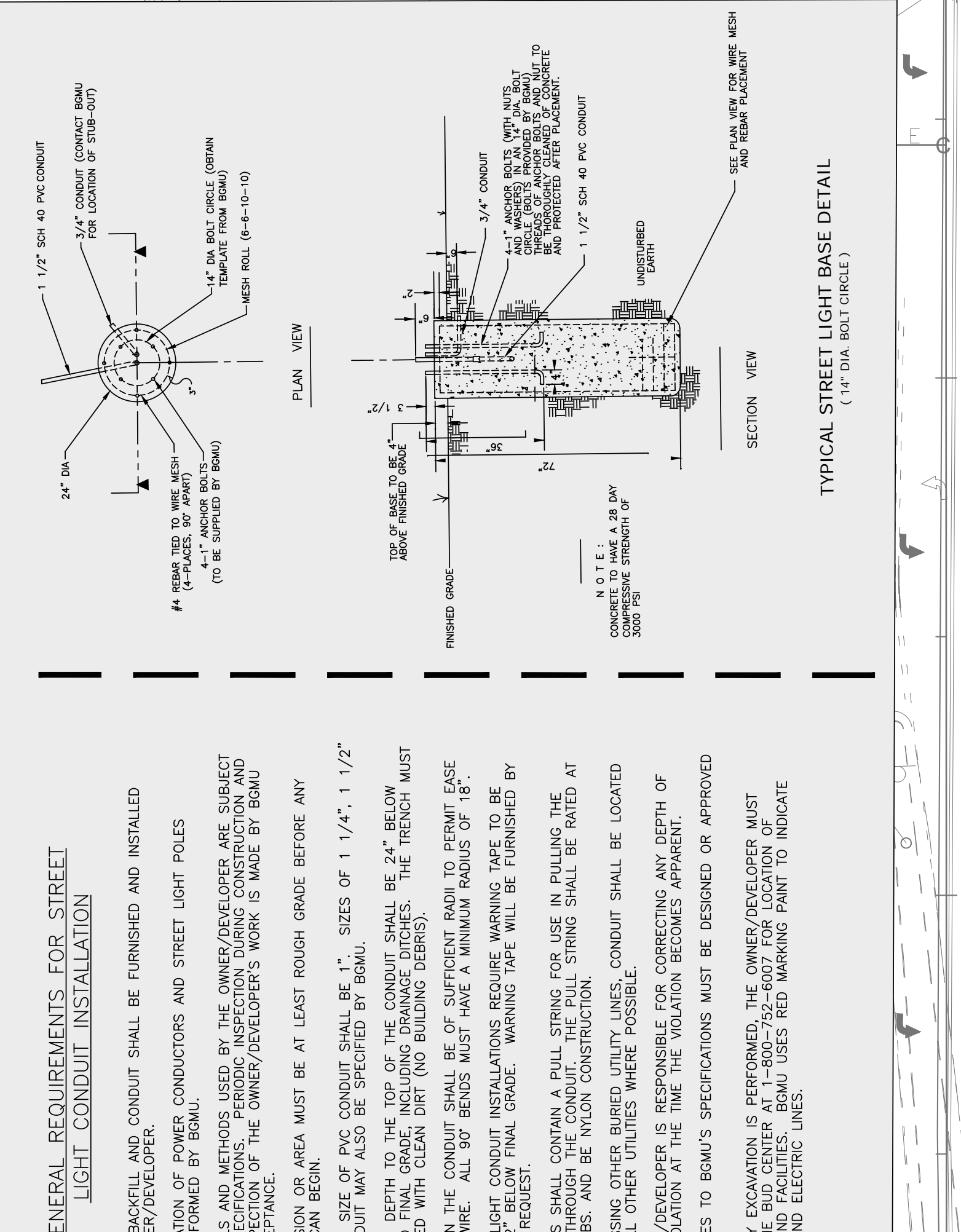


107+00 108+00 109+00 110+00

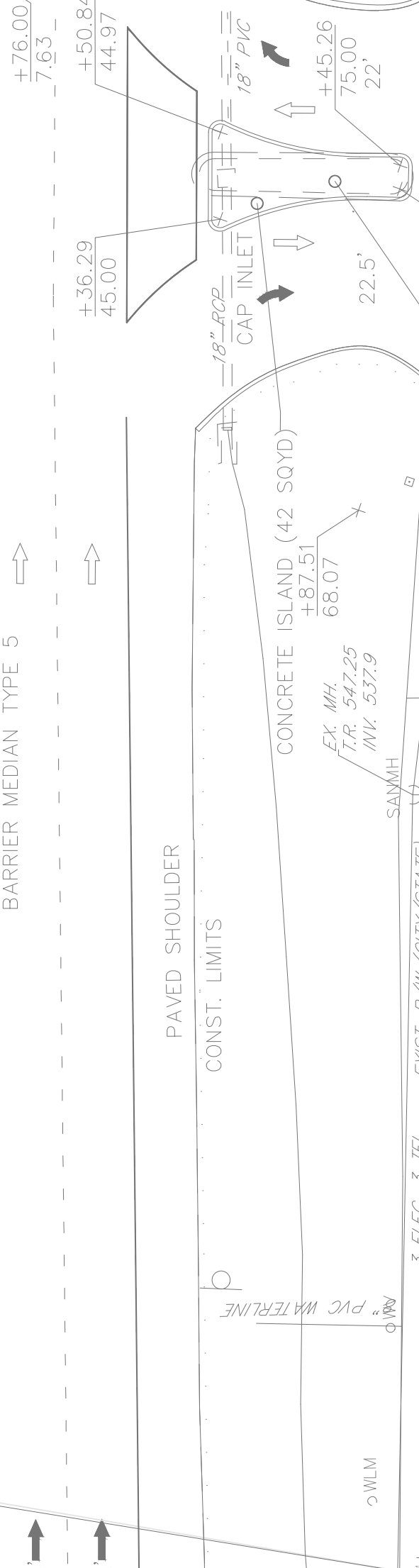


US 231 PLAN SHEET STA. 104+00 TO STA. 110+00

BGMU STREET LIGHT DETAIL AND REQUIREMENTS



- GENERAL REQUIREMENTS FOR STREET LIGHT CONDUIT INSTALLATION**
- TRENCHING, BACKFILL AND CONDUIT SHALL BE FURNISHED AND INSTALLED BY THE OWNER/DEVELOPER.
 - THE INSTALLATION OF POWER CONDUCTORS AND STREET LIGHT POLES WILL BE PERFORMED BY BGMU.
 - ALL MATERIALS AND METHODS USED BY THE OWNER/DEVELOPER ARE SUBJECT TO BGMU SPECIFICATIONS. PERIODIC INSPECTION DURING CONSTRUCTION AND A FINAL INSPECTION OF THE OWNER/DEVELOPER'S WORK IS MADE BY BGMU BEFORE ACCEPTANCE.
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 - ALL STREET LIGHT CONDUIT INSTALLATIONS REQUIRE WARNING TAPE TO BE INSTALLED 12" BELOW FINAL GRADE. WARNING TAPE WILL BE FURNISHED BY BGMU UPON REQUEST.
 - ALL CONDUITS SHALL CONTAIN A PULL STRING FOR USE IN PULLING THE CONDUCTOR THROUGH THE CONDUIT. THE PULL STRING SHALL BE RATED AT LEAST 150 LBS. AND BE NYLON CONSTRUCTION.
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 - ANY CHANGES TO BGMU'S SPECIFICATIONS MUST BE DESIGNED OR APPROVED BY BGMU.
 - BEFORE ANY EXCAVATION IS PERFORMED, THE OWNER/DEVELOPER MUST CONTACT THE BUD CENTER AT 1-800-752-6007 FOR LOCATION OF UNDERGROUND FACILITIES. BGMU USES RED MARKING PAINT TO INDICATE UNDERGROUND ELECTRIC LINES.



STREET LIGHT CONDUIT AND BASE INSTALLATION SUMMARY

ITEM	DESCRIPTION	UNIT	QTY
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4740	MATERIAL/LABOR	EACH	17
4794	POLE BASE	LF	3,625
4797	CONDUIT-1 1/2 IN	LF	540
17518	EC ELECTRICAL PULL BOX INST	EACH	3

NOTE: ITEM 17518 IS FURNISHED BY BGMU AND INSTALLED BY THE CONTRACTOR

SCALE: 1"=20'