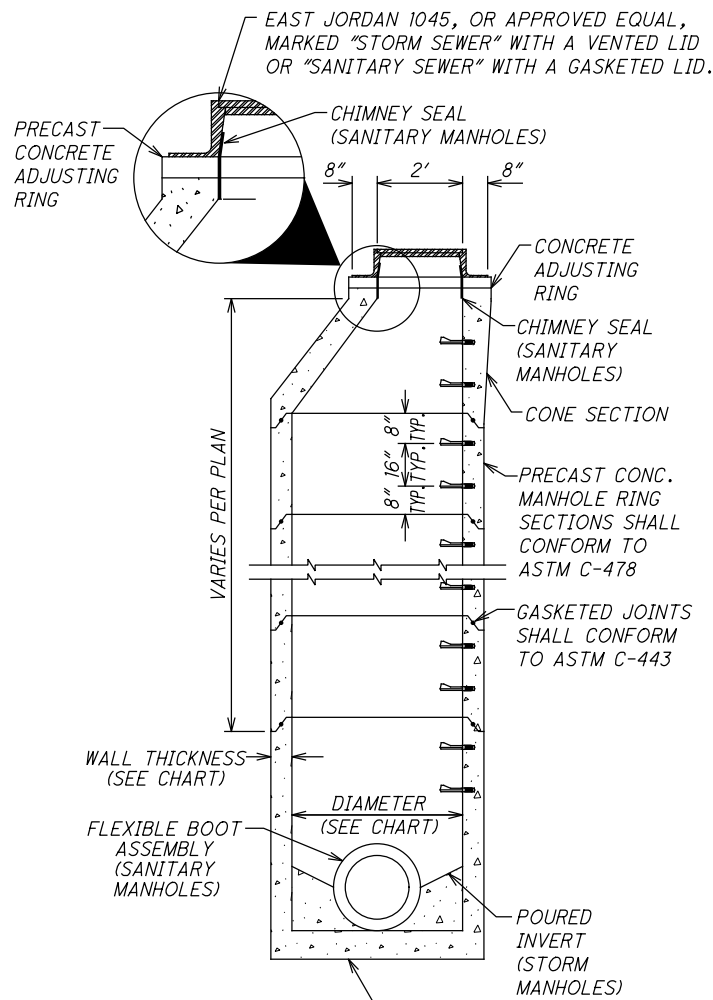
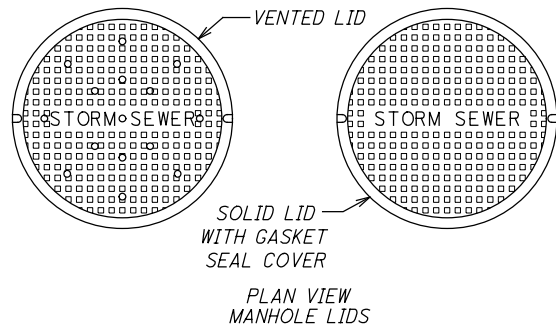


ITEM 611 - MANHOLE ADJUSTED TO GRADE, AS PER PLAN

ALL SANITARY MANHOLES SHALL BE PROVIDED WITH INTERNAL CHIMNEY SEALS, SPANNING FROM THE CONE SECTION TO THE CASTING, INCLUDING EXTENSIONS AS REQUIRED. ELASTOMERIC CHIMNEY SEALS AS MANUFACTURED BY SAUERISEN (NO. F-88) HAVING AN ABRASION RESISTANCE OF 500 MG/1,000 CYCLES (ASTM D-4060), ELONGATION OF 120% (ASTM D-638), TENSILE STRENGTH OF 50 LB./IN2 (ASTM D638) AND HYDROSTATIC PRESSURE OF 75-FOOT WATER HEAD OR 35 PSI (ASTM C497) SHALL BE PERMITTED.



MANHOLE CHART

DIAMETER	WALL THICKNESS
48"	5"
60"	6"
72"	7"

MANHOLE WITH STANDARD CONE

SANITARY MANHOLES ADJUSTMENTS, PER CITY STANDARDS, REQUIRE THE INSTALLATION OF CHIMNEY SEALS. THE CITY'S SPECIFICATION IS AS FOLLOWS:

10.2.13 MANHOLE FRAMES AND COVERS SHALL BE SET ON TOP OF PRECAST CONCRETE ADJUSTING RINGS WITH A FULL LEVELING BED OF CEMENT MORTAR. WHERE A MANHOLE IS LOCATED WITHIN A PAVED AREA, THE MANHOLE FRAME AND COVER SHALL BE ADJUSTED SUCH THAT THE SURFACE OF COVER SHALL BE MADE ON-QUARTER (1/4) INCH BELOW THE PAVEMENT SURFACE AFTER THE PAVING OPERATION. ASPHALT SHALL BE REMOVED TO NO LESS THAN TWELVE (12) INCHES AROUND THE PERIMETER OF THE CASTING. THE FRAME SHALL BE RESET IN CLASS C CONCRETE UP TO THE LIMITES OF THE INTERMEDIATE COURSE OF ASPHALT, BUT NO LESS THAN ONE AND ONE-HALF (1-1/2) INCHES FROM THE TOP OF THE CASTING, AND THE PAVEMENT SHALL BE RESTORED WITH ODOT ITEM 448, TYPE 1, MEDIUM TRAFFIC, PG64-22. MANHOLES SET IN UNPAVED AREAS SHALL BE CONSTRUCTED TO THE ELEVATIONS SHOWN ON THE PLANS AND AS APPROVED BY THE AUTHORIZED REPRESENTATIVE.

10.2.15 THE INSIDE SURFACE OF ALL ADJUSTING RINGS AND MANHOLE FRAMES AND COVERS SHALL BE SEALED AND MADE WATERTIGHT WITH MORTAR COMPOSED OF ONE (1) PART ASTM C150 TYPE 1A PORTLAND CEMENT TO TWO (2) PARTS SAND BY VOLUME. THE USE OF MASONRY CEMENT IS PROHIBITED.

10.3 CATCH BASINS AND CURB INLETS

10.3.4 IRON FRAMES AND GRATES FOR CATCH BASINS SHALL BE EAST JORDAN 511250, OR APPROVED EQUAL. IRON FRAMES AND GRATES FOR CURB INLETS SHALL BE EAST JORDAN 7035 WITH TYPE T4 BACKS FOR TYPE 2 & 6 CURBS AND TYPE T2 BACKS FOR TYPE 3 CURBS, OR APPROVED EQUAL. DIRECTIONAL GRATES SHALL BE PROVIDED WHERE INDICATED ON THE DRAWINGS. ALL CASTINGS SHALL BE SET ON TOP OF PRECAST ADJUSTING RINGS AND SET IN A LEVELING MORTAR BED. BRICKS AND BLOCK SHALL NOT BE USED IN PLACE OF PRECAST CONCRETE ADJUSTING RINGS. NEENAH FOUNDRY CASTINGS 3067 OR APPROVED EQUAL SHALL BE USED WHEN HOODS ARE NOT DESIRED BY OWNER AND APPROVED BY THE ENGINEER.

10.3.6 ALL MORTAR SHALL BE COMPOSED OF ONE (1) PART ASTM C150 TYPE 1A PORTLAND CEMENT TO TWO (2) PARTS SAND BY VOLUME. THE USE OF MASONRY CEMENT IS PROHIBITED.

10.5 BRICK AND SOLID CONCRETE BLOCK

10.5.3 BRICKS AND BLOCK SHALL NOT BE USED IN PLACE OF PRECAST CONCRETE ADJUSTING RINGS.

10.6 MORTAR

10.6.1 MORTAR SHALL BE COMPOSED OF ONE (1) PART ASTM C150 TYPE 1A PORTLAND CEMENT AND TWO (2) PARTS SAND BY VOLUME.

10.10 RECONSTRUCTION AND ADJUSTMENT TO GRADE

10.10.1 WHEN A RECONSTRUCTION IS SPECIFIED, THE WORK SHALL CONSIST OF THE CAREFUL REMOVAL AND CLEANING OF EXISTING CASTINGS; THE REMOVAL OF EXISTING WALLS DOWN TO THE SPRINGLINE OR BELOW AS NECESSARY FOR MANHOLES; CATCH BASINS AND CURB INLETS; AND RECONSTRUCTION OF THE UNITS TO THE NEW GRADES, CONFORMING AS NEARLY AS PRACTICABLE TO THE EXISTING DIMENSIONS AND TYPE OF CONSTRUCTION, USING THE SALVAGED CASTINGS. FOR PRECAST CONSTRUCTION, THIS MAY INVOLVE CHANGING THE TOP FROM A CONE TO A FLAT SLAB OR USING SHORTER SIDE WALL SECTIONS. IF THE NEW PRECAST O-RING SECTIONS DO NOT FIT THE EXISTING O-RING MANHOLE SECTIONS, THE CONTRACTOR SHALL USE A CONCRETE SAW TO SAW OFF THE TONGUE AND GROOVE,

USE "RAM-NEK" GASKET MATERIAL BETWEEN THE TWO (2) SECTIONS TO BE JOINED, AND ENCASE THE ENTIRE CONNECTION IN CLASS F CONCRETE AS DIRECTED BY THE AUTHORIZED REPRESENTATIVE.

10.10.2 WHEN ADJUSTMENT TO GRADE IS SPECIFIED, THE WORK SHALL BE ACCOMPLISHED BY THE FOLLOWING METHOD: CAREFULLY REMOVE AND CLEAN THE EXISTING FRAME; ADJUST THE HEIGHT OF SUPPORTING WALLS OR CONCRETE ADJUSTING RINGS AS NECESSARY; AND RESET THE EXISTING FRAME IN A BED OF MORTAR OR CONCRETE. FOR MANHOLES, MANHOLE STEPS SHALL BE INSTALLED.

10.10.3 THE USE OF CAST IRON, METAL OR OTHER TYPES OF ADJUSTING RINGS ON TOP OF THE EXISTING CASTING WILL NOT BE PERMITTED.

10.10.4 PAVEMENT REPLACEMENT AROUND MANHOLES, CURB INLETS AND CATCH BASINS ADJUSTED TO GRADE AND/OR RECONSTRUCTED SHALL INCLUDE AN EIGHT (8) INCH CONCRETE BASE AND ONE AND ONE-HALF (1-1/2) INCHES OF ODOT ITEM 448 TYPE 1, MEDIUM TRAFFIC, PG64-22 ASPHALT CONCRETE SURFACE, AS DEFINED IN ARTICLE 12. PAVEMENT REPLACEMENT SHALL BE ONE (1) FOOT AROUND THE PERIMETER OF THE CASTING. PAYMENT FOR SUCH PAVEMENT REPLACEMENT SHALL BE INCLUDED IN THE COST OF THE ADJUSTMENT OR RECONSTRUCTION OF THE STRUCTURE.

ITEM 253, PAVEMENT REPAIR

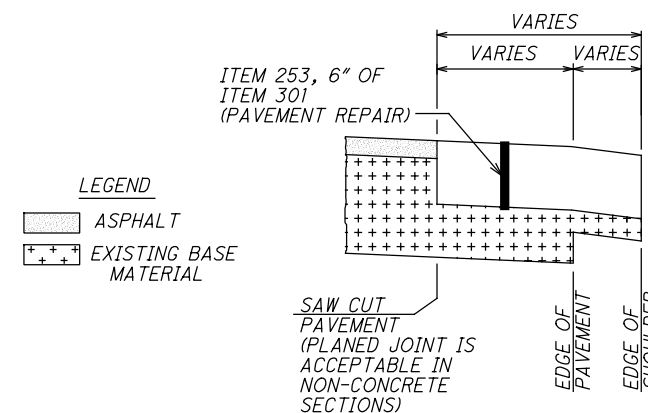
PAVEMENT SHALL BE PLANED BEFORE PAVEMENT REPAIRS ARE PERFORMED.

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR 6" PAVEMENT REPAIR ON S.R. 108 AS DIRECTED BY THE ENGINEER BASED ON THE FOLLOWING PERCENTAGES.

01/STR/PV	20%	5223 CU. YARDS
04/SK2/PV	10%	217 CU. YARDS

ITEM 253, PAVEMENT REPAIR 5440 CU. YARDS

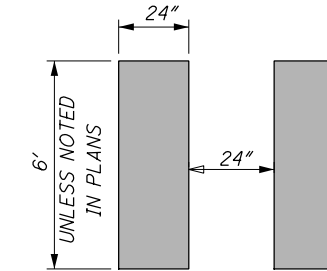
ESTIMATED QUANTITIES CARRIED TO THE GENERAL SUMMARY



NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

ITEM 642, CROSSWALK LINE, AS PER PLAN

24" WHITE LONGITUDINAL LINES SHALL BE PLACED PARALLEL TO TRAFFIC FLOW AS SHOWN IN FOLLOWING DETAIL. THE MARKING DESIGN SHOULD AVOID THE WHEEL PATHS.



ITEM 632, DETECTOR LOOP, AS PER PLAN

ALL NEW LOOP INSTALLATION SHALL BE INSTALLED IN THE PAVEMENT COURSE BELOW THE SURFACE COURSE. THE LISTED ITEM SHALL BE USED AS DIRECTED BY THE ENGINEER, MAY VARY IN LENGTH AND DETAIL. THE CONTRACTOR SHALL CONTACT THE PROJECT ENGINEER, AS WELL AS THE DISTRICT 2 TRAFFIC MAINTENANCE ENGINEER, DYLAN FOUKES, AT 419-373-4303, 10 DAYS PRIOR TO INSTALLATION. ODOT SHALL DETERMINE BY WAY OF FIELD INSPECTION, THE LOCATION AND FINAL QUANTITY OF DETECTOR LOOPS THAT HAVE BEEN DAMAGED AND NEED REPLACEMENT. ODOT SHALL FIELD LOCATE WITH THE CONTRACTOR THE PROPOSED DETECTOR LOOP PLACEMENTS, THE NECESSARY PULL BOXES AND LOOP LEAD-IN CABLES.

ALL LOOPS SHALL CONFORM TO SCD TC-82.10.

PAYMENT FOR THIS ITEM INCLUDES THE SPLICE CONNECTION IN THE PULL BOX

DETECTOR LOOP, AS PER PLAN 5 EACH (04/SK2/PV)

QUANTITY CARRIED TO THE GENERAL SUMMARY

ITEM 209, PREPARING SUBGRADE FOR SHOULDER PAVING

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR ITEM 209, PREPARING SUBGRADE FOR CONSTRUCTION OF THE SAFETY EDGE:

HEN-108 (SLM 6.35 - 15.59)
18.48 MILES
-2.38 MILES (GUARDRAIL, DRIVE & CURB AREAS)
16.10 MILES

A QUANTITY OF 16.10 MILES HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR PREPARING SUBGRADE FOR SHOULDERS.

SAFETY EDGE

ITEM 442 - ASPH. CONC. SURFACE, 12.5MM, TYPE A (446), APP
ITEM 442 - ASPH. CONC. INTERMEDIATE CONC., 19MM, TYPE A (448)

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR CONSTRUCTION OF THE SAFETY EDGE:

OTTAWA - S.R. 163 (27.16 - 31.07)
ITEM 442 - ASPH. CONC. SURFACE, 12.5MM, 40 CU. YD.
TYPE A (446), APP

ITEM 442 - ASPH. CONC. INTERMEDIATE CONC., 19MM, TYPE A (448) 98 CU. YD.

CALCULATED
TLM
CHECKED
JMF

GENERAL NOTES

HEN-108 - 6.35

8
80

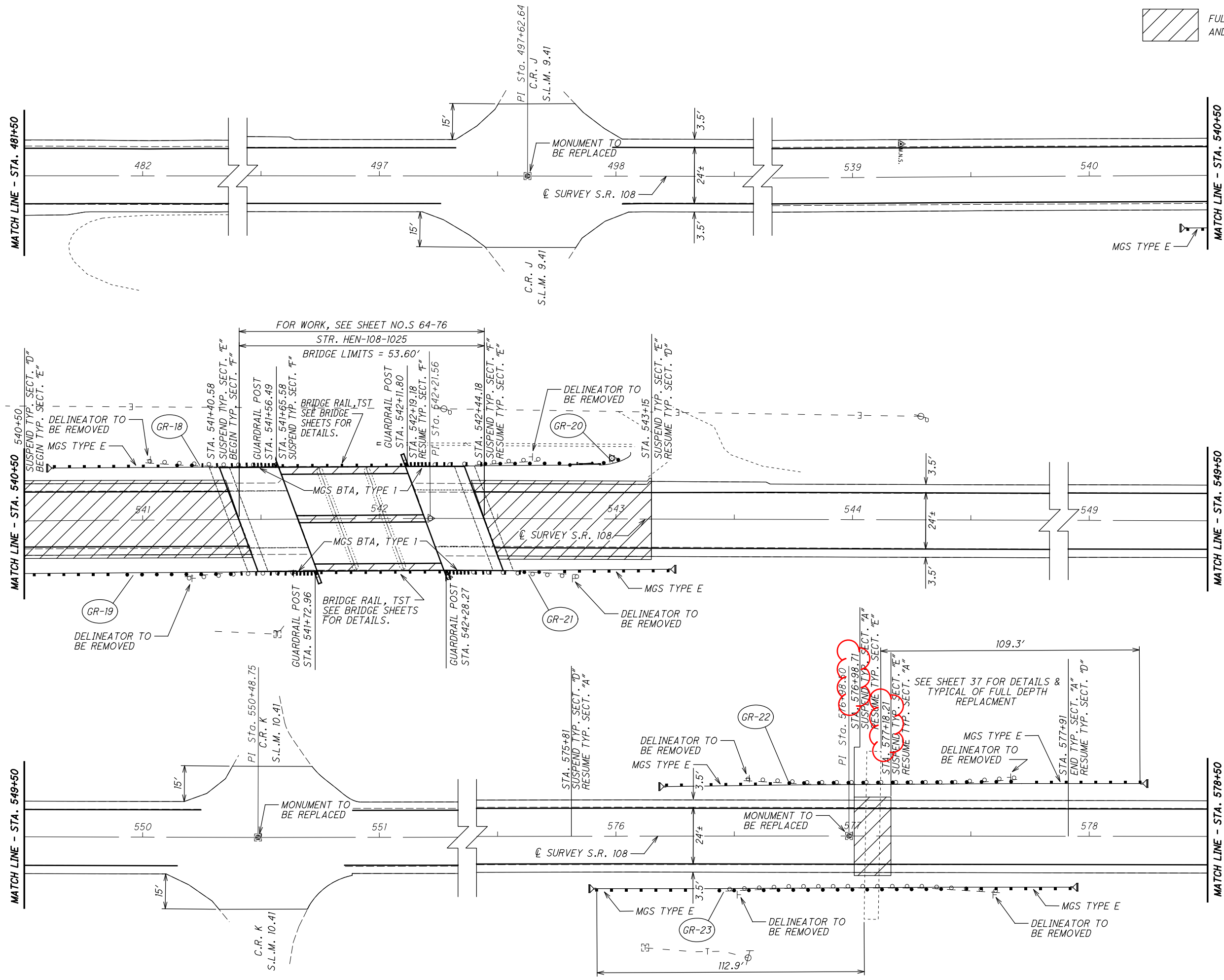
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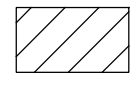
ROUTE	STATION TO STATION		SIDE	LENGTH L	AVERAGE ROADWAY WIDTH W	AVERAGE LEFT SHOULDER WIDTH W1	AVERAGE RIGHT SHOULDER WIDTH W2	SURFACE AREA A A = Lx(W1+W2+W3)	202	203	204	254	209	301	304	407		442	442	617	618	618	872	
									PAVEMENT REMOVED	EXCAVATION	SUBGRADE COMPACTION	3 1/4" PAVEMENT PLANING, ASPHALT CONCRETE	LINEAR GRADING (MINUS DRIVE & GUARDRAIL AREAS)	9" ASPHALT CONCRETE BASE, PG64-22	6" AGGREGATE BASE	NON-TRACKING TACK COAT (0.055 GAL/SQ YD) (A / 9) x 0.055	NON-TRACKING TACK COAT (0.085 GAL/SQ YD) (A / 9) x 0.085	1 1/2" ASPHALT CONC. SURFACE COURSE, 12.5MM, TYPE A (446), APP (A x 1.5") / 27	1 3/4" ASPHALT CONC. INTERMEDIATE COURSE, 19MM, TYPE A (448) (A x 1.75") / 27	COMPACTED AGGREGATE ((3.25" x 2') / 27) x 2	RUMBLE STRIPES, EDGE LINE (ASPHALT CONCRETE)	RUMBLE STRIPES, CENTER LINE (ASPHALT CONCRETE)	VOID REDUCING ASPHALT MEMBRANE (VRAM)	
			FT	FT	FT	FT	SQ FT	SQ YD	CU YD	SQ YD	SQ YD	MILE	CU YD	CU YD	GALLON	GALLON	CU YD	CU YD	CU YD	MILE	MILE	FEET		
S.R. 108	333+95	335+81	LT/RT	186	22.25	4.25	5905.5				656	0.08			37	56	28	32	7	0.07	0.04	186		
S.R. 108	335+81	437+19.8	LT/RT	10138.8	24	3.5	314302.8				34923	3.75			1921	2969	1456	1698	407	3.74	1.82	10139		
HEN-108-0826 (FOR WORK, SEE SHEETS 36-38)																								
S.R. 108	438+29.1	443+97	LT/RT	567.9	24	3.5	17604.9				1956	0.22			108	167	82	95	23	0.22	0.11	568		
S.R. 108	443+97	444+10	LT	13	12	3.5	201.5				22	0.01			2	2	1	1	1	0.01	0.01	13		
S.R. 108	444+10	445+19	LT	109	24	3.5	2997.5				333	0.05			19	29	14	16	4	0.02	0.02	109		
S.R. 108	443+97	444+88	RT	91	15.5		1729				192	0.04			11	17	9	9	4	0.02		91		
S.R. 108	444+88	445+19	RT	31	15.5		589				65	0.02			4	6	3	3	1	0.01		31		
S.R. 108	445+19	447+31	LT/RT	212	24	13	8586				954	0.09			53	82	40	46	9	0.08	0.04	212		
S.R. 108	447+31	447+42	LT/RT	11	24	8.5	396				44	0.01			3	4	2	2	1	0.00	0.00	11		
S.R. 108	447+42	461+50	LT/RT	1408	24	3.5	43648				4850	0.52			267	413	203	236	56	0.52	0.25	1408		
S.R. 108	461+50	462+13.8	LT/RT	63.8	24	3.5	1977.8	220	24	220			55	37	13	19	10	11	3	0.02	0.01	64		
HEN-108-0875 (FOR WORK, SEE SHEETS 39-52)																								
S.R. 108	463+17.3	463+75	LT/RT	57.7	24	3.5	1788.7	199	22	199			50	33	11	17	9	10	2	0.02	0.01	58		
S.R. 108	463+75	478+50	LT/RT	1475	24	3.5	45725				5081	0.52			280	432	212	247	59	0.53	0.25	1475		
S.R. 108	478+50	479+07.3	LT/RT	57.28	24	3.5	1775.68	197	22	197			49	33	11	17	9	10	2	0.02	0.01	57		
HEN-108-0906 (FOR WORK, SEE SHEETS 53-61)																								
S.R. 108	479+07.3	479+50	LT/RT	42.72	24	3.5	1324.32	147	16	147		0.01	37	25	9	13	7	7	2	0.02	0.01	43		
S.R. 108	479+50	540+50	LT/RT	6100	24	3.5	189100				21011	2.19			1156	1786	876	1021	245	2.25	1.10	6100		
S.R. 108	540+50	541+41	LT/RT	90.58	24	3.5	2807.98	312	34	312			78	52	18	27	13	15	4	0.03	0.02	91		
HEN-108-1025 (FOR WORK, SEE SHEETS 62-74)																								
S.R. 108	542+44.2	543+15	LT/RT	70.82	24	3.5	2195.42	244	27	244			61	41	14	21	11	12	3	0.03	0.01	71		
S.R. 108	543+15	576+98.7	LT/RT	3383.71	24	3.5	104895.01				11655	0.98			642	991	486	567	136	1.01	0.37	3384		
S.R. 108	576+98.7	577+18.2	LT/RT	19.5	24	3.5	604.5	67		67		0.01	17	11	4	6	3	3	1	0.01	0.00	20		
S.R. 108	577+18.2	624+51.0	LT/RT	4732.75	24	3.5	146715.25				16302	1.76			897	1386	680	792	190	1.79	0.90	4733		
S.R. 108	624+51.0	624+70.0	LT/RT	19	24	3.5	589	65		65		0.01	16	11	4	6	3	3	1	0.01	0.00	19		
S.R. 108	624+70.0	646+59.7	LT/RT	2189.73	24	3.5	67881.63				7542	0.79			415	642	315	367	88	0.83	0.41	2190		
S.R. 108	646+59.7	646+79.3	LT/RT	19.6	24	3.5	607.6	68		68		0.01	17	11	4	6	3	3	1	0.01	0.00	20		
S.R. 108	646+79.3	790+33.0	LT/RT	14353.7	24	3.5	444965.01				49441	5.40			2720	4203	2061	2403	576	5.44	2.72	14354		
S.R. 108	790+33	790+74	LT/RT	41	24	4.75	1322.25				147	0.02			9	13	7	7	2		0.01	41		
(01/STR/PV FUNDING) TOTALS CARRIED TO GENERAL SUMMARY								1519	145	1519	155174	16.49	380	254	21962	6543	7616	1828	16.69	8.12	45488			

PAVEMENT CALCULATIONS

HEN - 108 - 6.35

CALCULATED
TLM
CHECKED
JMF

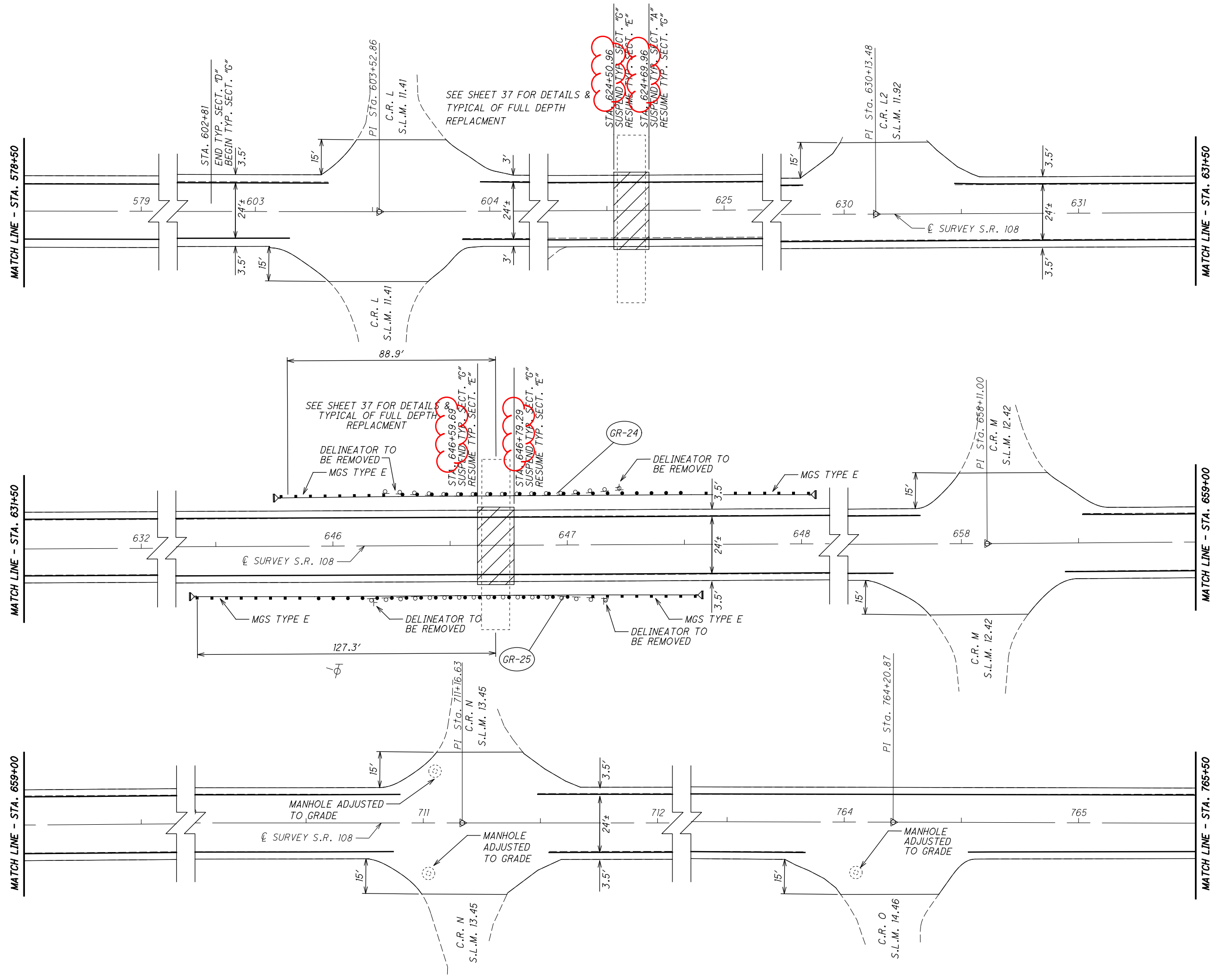


 FULL DEPTH REMOVAL AND REPLACEMENT

CALCULATED 0
TLM 10
CHECKED JMF 40
HORIZONTAL SCALE IN FEET

PLAN SHEET
STA. 481+50 TO STA. 578+50

HEN-108-6.35
30
80



CALCULATED 0
TLM
CHECKED JMF

0 20 40
HORIZONTAL SCALE IN FEET

PLAN SHEET
STA. 578+50 TO STA. 765+50

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ESTIMATED QUANTITIES (02/STR/BR)								
ITEM	EXTENSION	TOTAL	UNIT	DESCRIPTION	CULVERT	HEADWALLS	GEN.	SEE SHEET
202	11000	LS		STRUCTURE REMOVED			LUMP	
202	22900	134	SY	APPROACH SLAB REMOVED			134	
203	10000	79	CY	EXCAVATION			79	
203	20000	261	CY	EMBANKMENT			261	
503	11100	LS		COFFERDAMS AND EXCAVATION BRACING			LUMP	
503	21300	LS		UNCLASSIFIED EXCAVATION			LUMP	
509	10000	5921	LB	EPOXY COATED REINFORCING STEEL		5921		
511	46210	87	CY	CLASS QC1 CONCRETE, RETAINING/WINGWALL INCLUDING FOOTING		87		
512	10050	95	SY	SEALING OF CONCRETE SURFACES (NON-EPOXY)		95		
512	33000	421	SY	TYPE 2 WATERPROOFING		421		
516	13600	53	SF	1" PREFORMED EXPANSION JOINT FILLER		53		
518	21230	LS		POROUS BACKFILL WITH GEOTEXTILE FABRIC		LUMP		
601	32104	106	CY	ROCK CHANNEL PROTECTION, TYPE B WITH GEOTEXTILE FABRIC			106	
611	9647	96	FT	18' X 7' CONDUIT, TYPE A, 706.05, AS PER PLAN, DESIGN COVER 3 FT	96			
659	00300	109	CY	TOPSOIL			109	
659	10000	981	SY	SEEDING AND MULCHING			981	
659	20000	0.13	TON	COMMERCIAL FERTILIZER			0.13	
659	35000	1	MGAL	WATER			1	

GENERAL NOTES

DESIGN SPECIFICATION:

THIS STRUCTURE CONFORMS TO THE "LRFD BRIDGE DESIGN SPECIFICATIONS," 5TH EDITION ADOPTED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS, INCLUDING THE 2010 INTERIM SPECIFICATIONS AND THE ODOT BRIDGE DESIGN MANUAL, 2007.

DESIGN LOADING:

HL-93

DESIGN DATA:

CONCRETE CLASS QC1 - COMPRESSIVE STRENGTH 4,000 PSI (FOOTING, WINGWALL AND FORESLOPE WALL)

REINFORCING STEEL - MINIMUM YIELD STRENGTH 60,000 PSI (ALL REINFORCING STEEL SHALL BE EPOXY COATED)

FOUNDATION BEARING RESISTANCE:

HEADWALL FOOTINGS, AS DESIGNED, PRODUCE A MAXIMUM SERVICE LOAD PRESSURE OF 1.6 KIPS PER SQUARE FOOT AND A MAXIMUM STRENGTH LOAD PRESSURE OF 1.7 KIPS PER SQUARE FOOT. THE FACTORED BEARING RESISTANCE IS 2 KIPS PER SQUARE FOOT.

PREFORMED EXPANSION JOINT FILLER

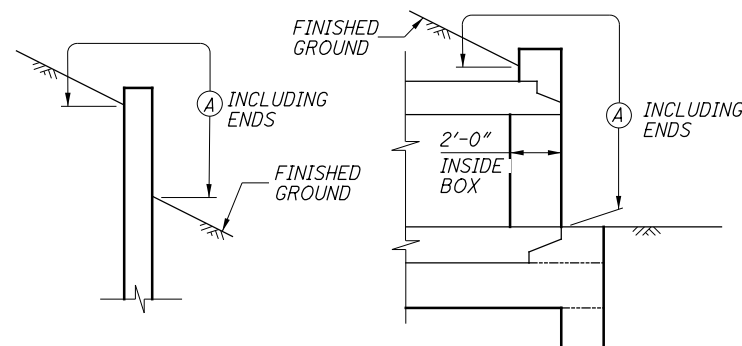
PREFORMED EXPANSION JOINT FILLER (PEJF) CONFORMING TO CMS 705.03, 1 INCH THICK, SHALL BE PLACED ABOVE THE FOOTING BETWEEN THE SIDES OF THE BOX CULVERT AND THE ENDS OF THE WINGWALLS. PAYMENT FOR MATERIALS AND INSTALLATION SHALL BE INCLUDED WITH ITEM 516 - 1" PREFORMED EXPANSION JOINT FILLER.

POROUS BACKFILL WITH GEOTEXTILE FABRIC:

1'-6" THICK SHALL EXTEND UP TO 1 FOOT BELOW THE EMBANKMENT SURFACE, AND Laterally TO THE ENDS OF THE WINGWALLS. PLACE TWO CUBIC FEET OF BAGGED NO. 3 AGGREGATE AT EACH WEEPHOLE. THE DEPARTMENT WILL INCLUDE BAGGED AGGREGATE WITH POROUS BACKFILL FOR PAYMENT.

SEALING OF CONCRETE SURFACES (NON-EPOXY)

ALL EXPOSED FORESLOPE WALL AND WINGWALL CONCRETE SHALL BE SEALED WITH NON-EPOXY SEALER. THE LIMITS SHALL BE AS SHOWN IN THE DIAGRAMS BELOW. PAYMENT FOR THE NON-EPOXY SEALER SHALL BE PER ITEM 512 - SEALING OF CONCRETE SURFACES.



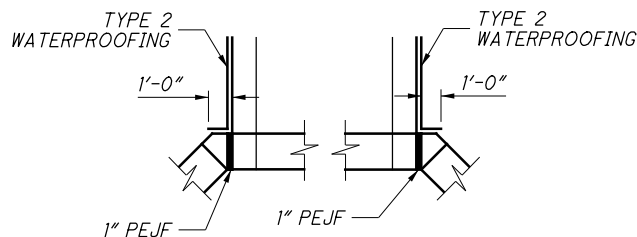
WINGWALL

FORESLOPE WALL AND PRECAST BOX (CULVERT OUTLET BEVEL SHOWN)

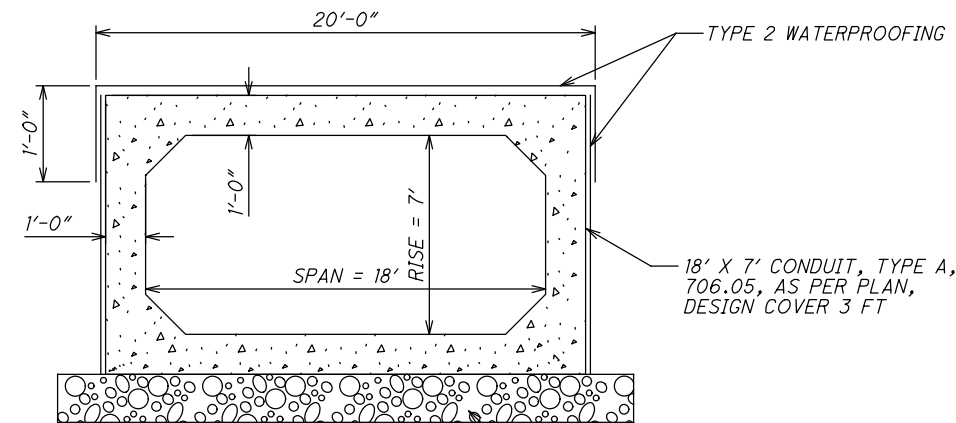
LIMITS OF ITEM 512-SEALING CONCRETE SURFACES, NON-EPOXY - SEAL ENTIRE CONCRETE SURFACE AREA

WATERPROOFING

TYPE 2 WATERPROOFING, PER CMS 512.09 AND 711.25, SHALL EXTEND VERTICALLY DOWN THE ENTIRE SIDES OF THE PRECAST CULVERT SECTIONS FOR ALL PORTIONS OF THE CULVERT WHICH SHALL BE IN CONTACT WITH THE BACKFILL. PAYMENT FOR THE MEMBRANE WATERPROOFING SHALL BE AT THE CONTRACT PRICE BID PER SQUARE YARD FOR ITEM 512 - TYPE 2 WATERPROOFING.



PLAN VIEW



TYPICAL SECTION

ITEM 611 - 18' X 7' CONDUIT TYPE A, 706.05, AS PER PLAN, DESIGN COVER 3 FT

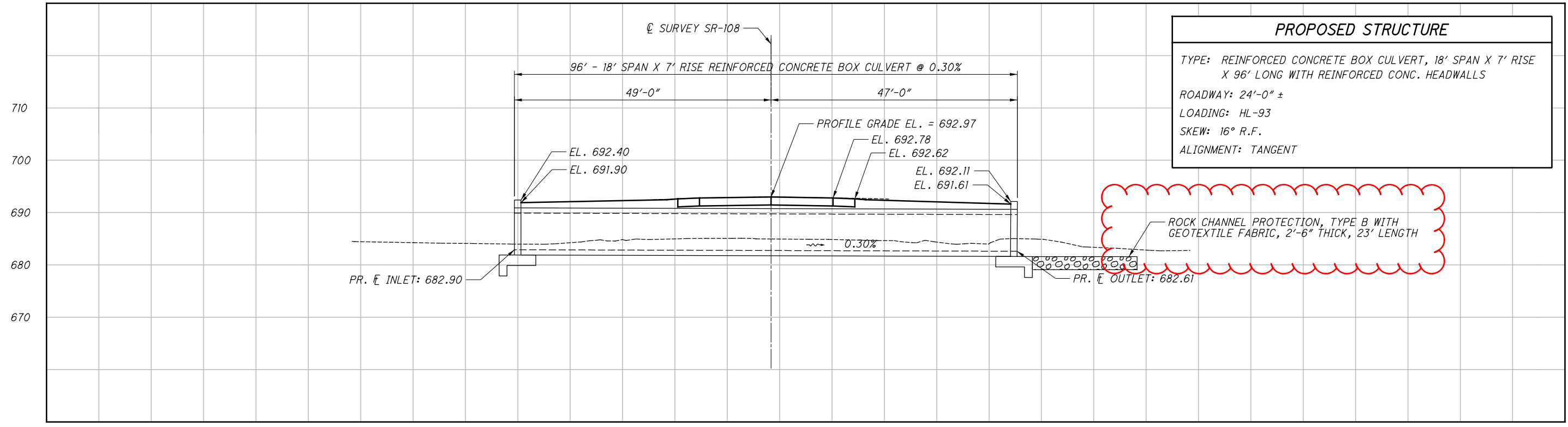
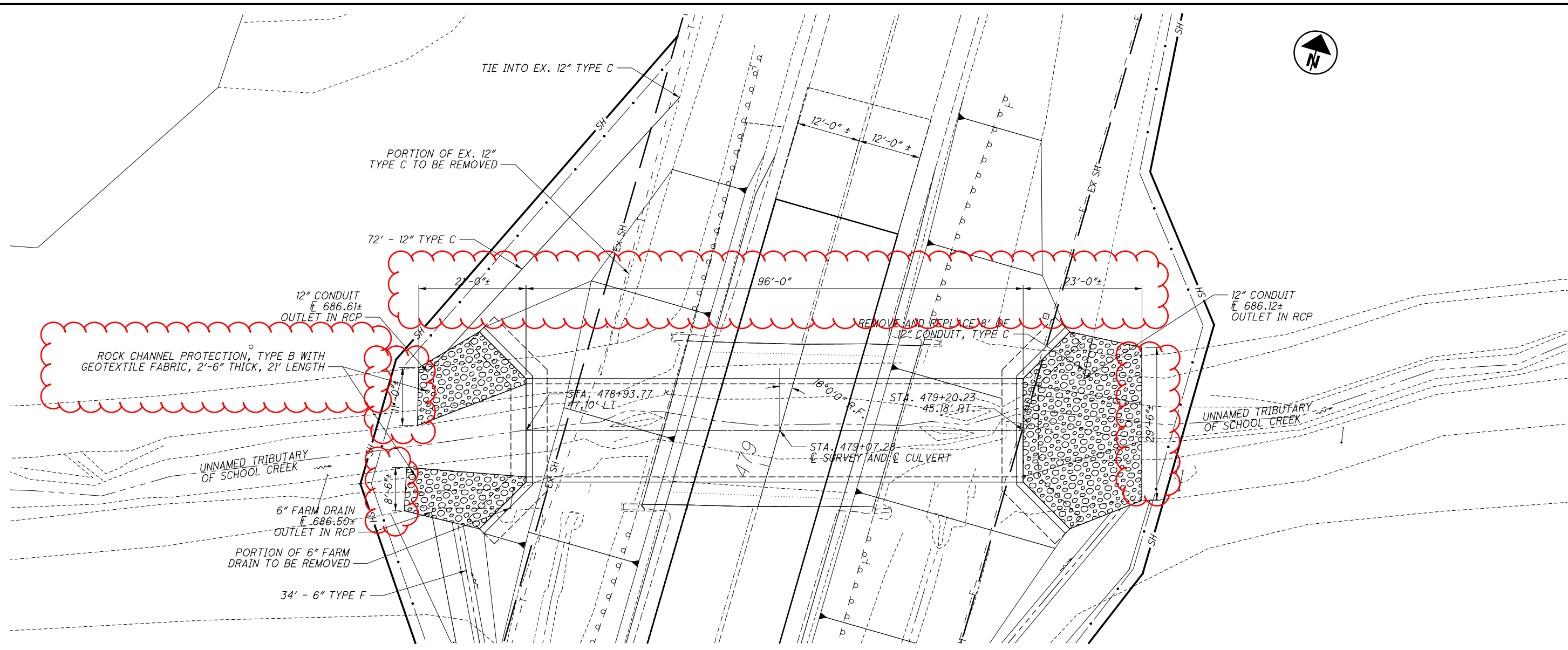
ALL REQUIREMENTS OF 706.05 SHALL BE MET EXCEPT AS DETAILED IN SUPPLEMENTAL SPECIFICATION 940.

ESTIMATED QUANTITIES AND GENERAL NOTES

BRIDGE NO. HEN-108-0906
OVER UNNAMED TRIBUTARY OF SCHOOL CREEK

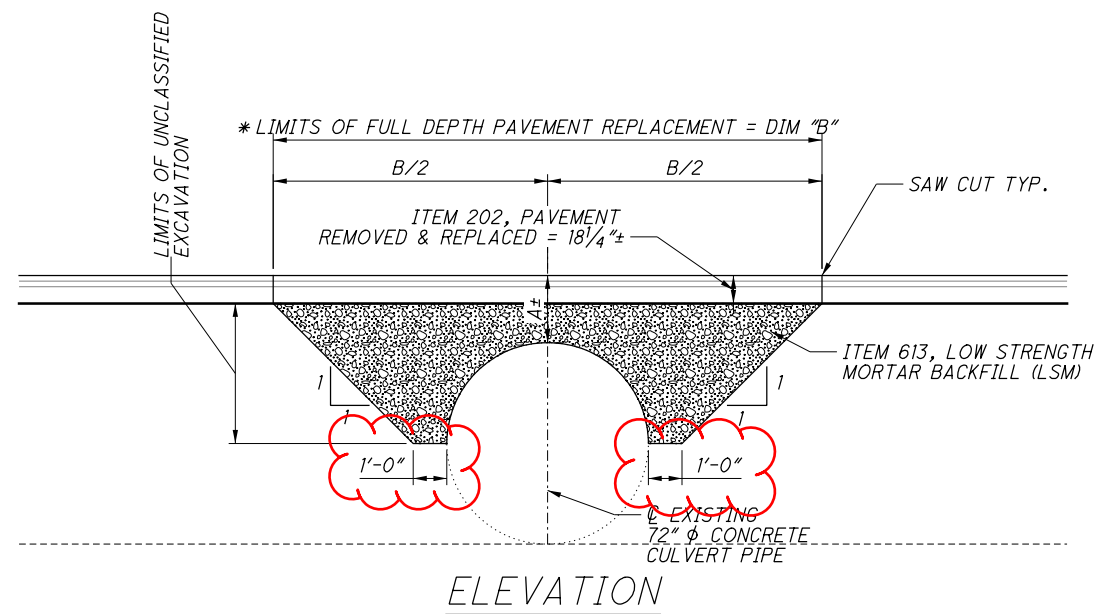
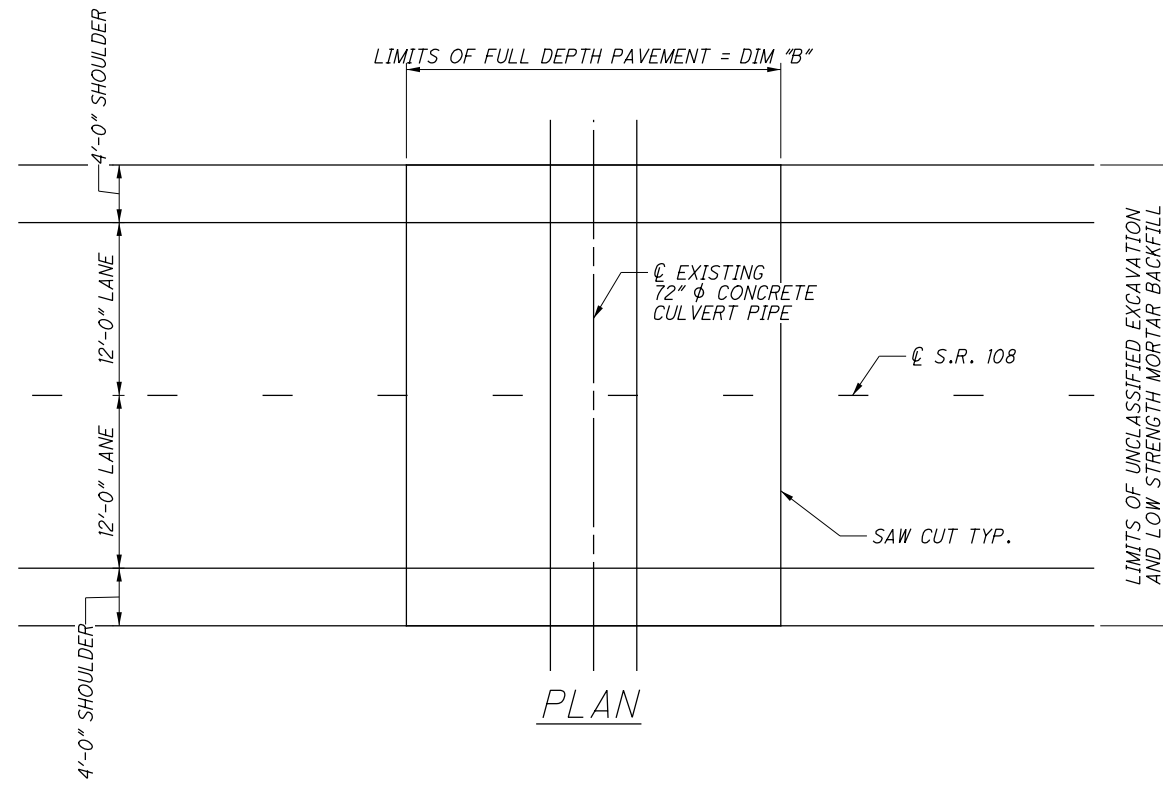
HEN-108-6.35
PID No. 94319

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DESIGN AGENCY	OHIO DEPARTMENT OF TRANSPORTATION
DATE	MM/DD/YY
REVIEWED	XXX
DRAWN	ADB
DESIGNED	ADB
CHECKED	DUG
STRUCTURE FILE NUMBER	3502318
REVISIONS	XXX
GENERAL PLAN	
BRIDGE NO. HEN-108-0906	
OVER UNNAMED TRIBUTARY OF SCHOOL CREEK	
HEN-108-6.35	PID No. 94319
3	9
57	80

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PLAN SHEET NUMBER	CULVERT LOCATION (MP)	DIM "A" (FT)	DIM "B" (FT)	LSM QTY. (CU. YD.)	UNCLASSIFIED EXCAVATION QTY. (CU. YD.)
30	10.91	2.7	19.5	76	76
31	11.81	2.5	19	74	74
31	12.23	2.8	19.6	78	78

NOTES:

PAYMENT FOR SAW CUT SHALL BE INCIDENTAL TO ITEM 202, PAVEMENT REMOVED.

ALL CONCRETE PAVEMENT REPAIRS ENCOUNTERED DURING THE EXCAVATION SHALL BE REMOVED AS NEEDED TO COMPLETE THE WORK. ALL COSTS ASSOCIATED WITH THE REMOVAL OF CONCRETE PAVEMENT REPAIRS SHALL BE INCLUDED WITH UNCLASSIFIED EXCAVATION.

* FOR FULL DEPTH PAVEMENT REPLACEMENT DETAILS, SEE TYPICAL SECTION "E" (SHEET 4 OF 80).

CROSSOVER DETAIL

HEN - 108 - 6.35

CALCULATED
GLH
CHECKED
DJG