

ORDER OF SHEETS

Section No. 1	Title
Section No. 2	Typical Sections and Details (Includes Erosion Control)
Section No. 3	Estimate of Quantities
Section No. 3	Miscellaneous Quantities
Section No. 4	Right-of-Way Plat
Section No. 5	Plan and Profile
Section No. 6	Standard Detail Drawings
Section No. 7	Sign Plates
Section No. 8	Structure Plans
Section No. 9	Computer Earthwork Data
Section No. 9	Cross-Sections

TOTAL SHEETS = 56



PROJECT LOCATION

DESIGN DESIGNATION

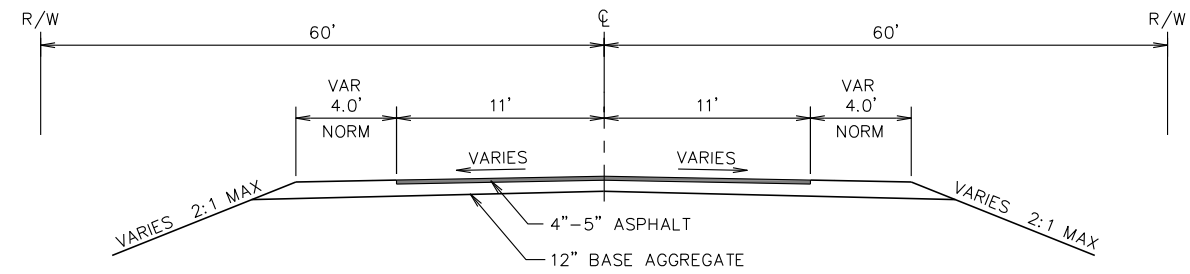
AADT (2014)	=	1350
AADT (2034)	=	1500
DHV (2034)	=	195
D (%)	=	62/38
T (% OF ADT)	=	6.3%
DESIGN SPEED	=	55 MPH
ESALS	=	197,100

CONVENTIONAL SYMBOLS

PLAN

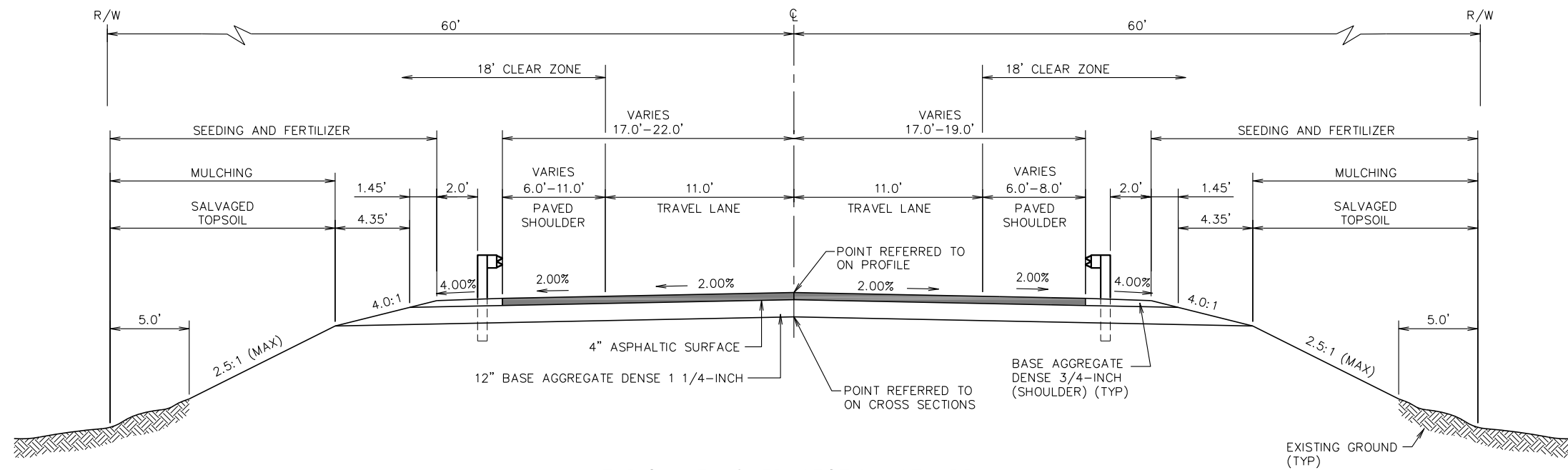
LIST OF STANDARD ABBREVIATIONS

ABUT	ABUTMENT	PC	POINT OF CURVATURE
AGG	AGGREGATE	PI	POINT OF INTERSECTION
ET AL	AND OTHERS	PT	POINT OF TANGENCY
AADT	ANNUAL AVERAGE DAILY TRAFFIC	POL	POINT ON LINE
BF	BACK FACE	PE	PRIVATE ENTRANCE
BM	BENCHMARK	PL	PROPERTY LINE
C/L OR $\angle$	CENTERLINE	PSI	POUNDS/SQUARE INCH
Δ	CENTRAL ANGLE OR DELTA	PROP	PROPOSED
CLR	CLEAR	R	RADIUS
CONC	CONCRETE	RR	RAILROAD
CONST	CONSTRUCTION	REBAR	REINFORCEMENT BAR
COR	CORNER	REQD	REQUIRED
CMP	CORRUGATED METAL PIPE	RT	RIGHT
CTH	COUNTY TRUNK HIGHWAY	RHF	RIGHT-HAND FORWARD
CR	CREEK	R/W	RIGHT-OF-WAY
CFS	CUBIC FEET/SECOND	RD	ROAD
CULV	CULVERT	SEC	SECTION
D	DEGREE OF CURVE	S	SOUTH
DHV	DESIGN HOUR VOLUME	SE	SOUTHEAST
DIA	DIAMETER	SW	SOUTHWEST
E	EAST	STH	STATE TRUNK HIGHWAY
EL	ELEVATION	STA	STATION
EST	ESTIMATED	SE	

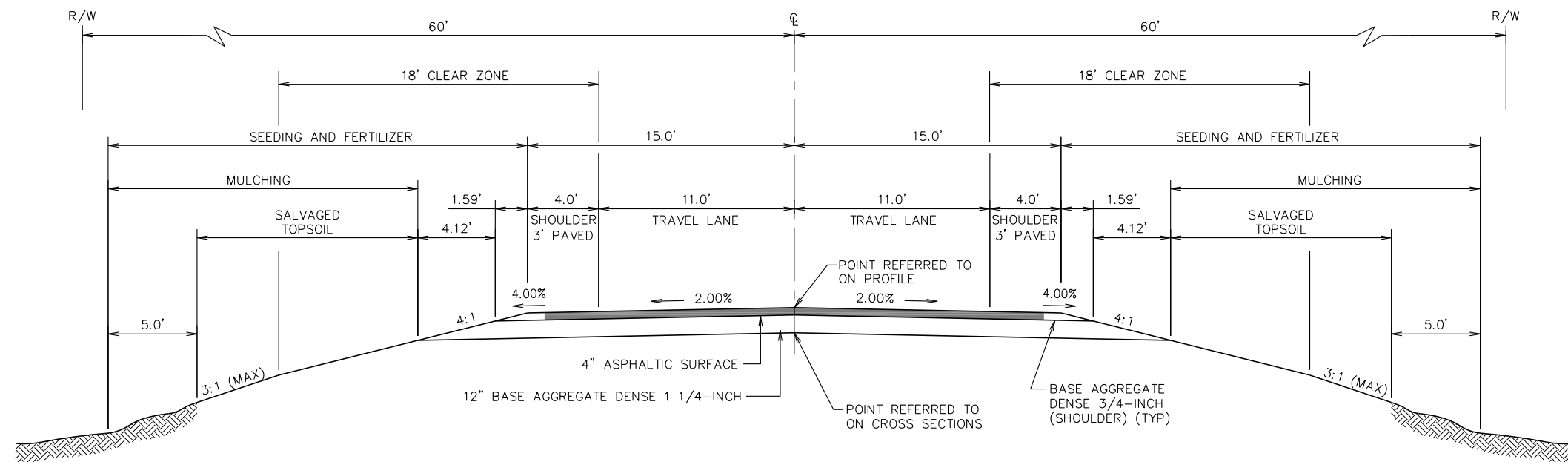


TYPICAL EXISTING SECTION CTH BB

STA 8+00 – STA 9+34.06
STA 10+59.94 – STA 12+00

**TYPICAL FINISHED SECTION CTH BB**

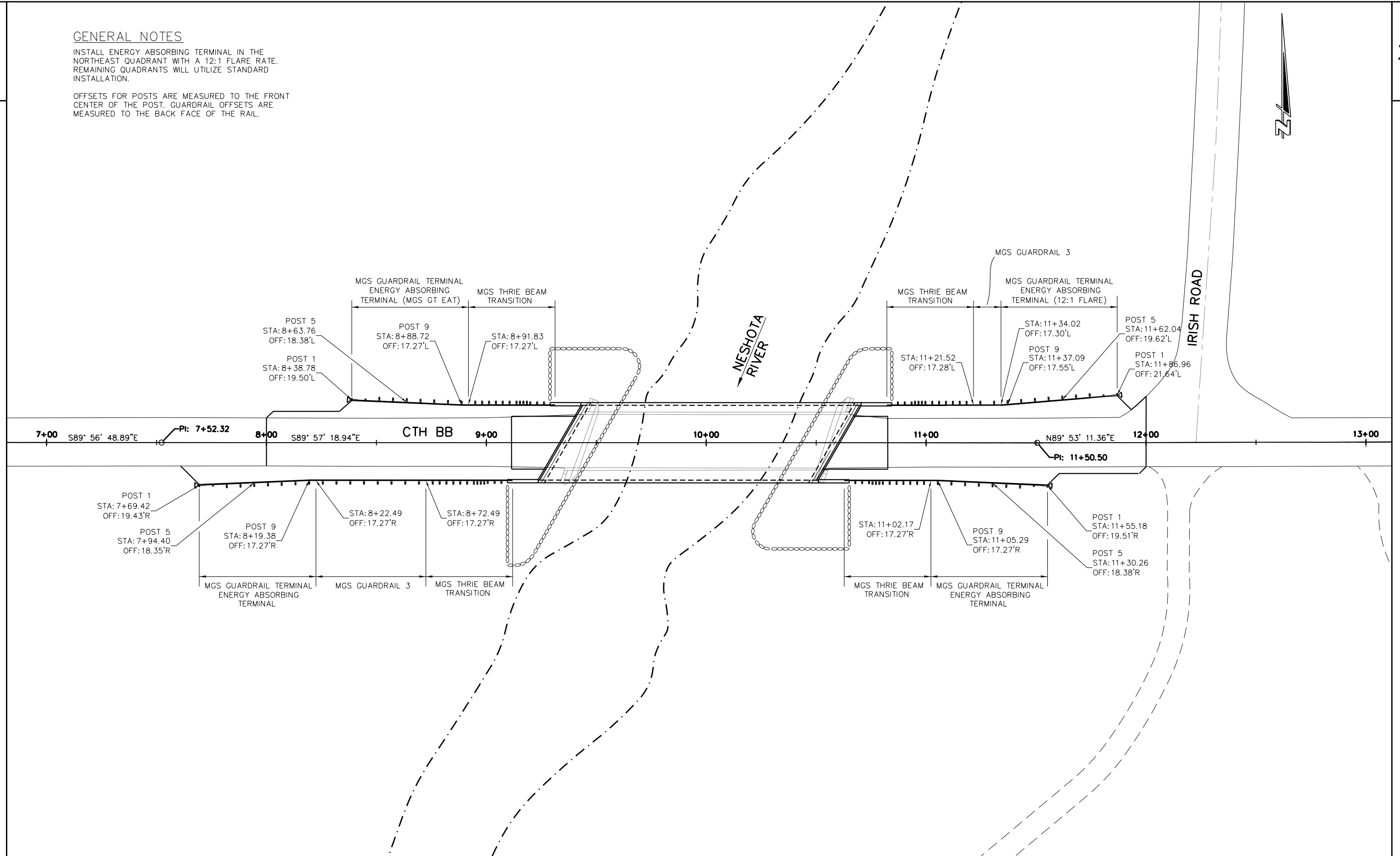
STA 8+00 - STA 9+34.06
STA 10+59.94 - STA 12+00
BEAMGUARD

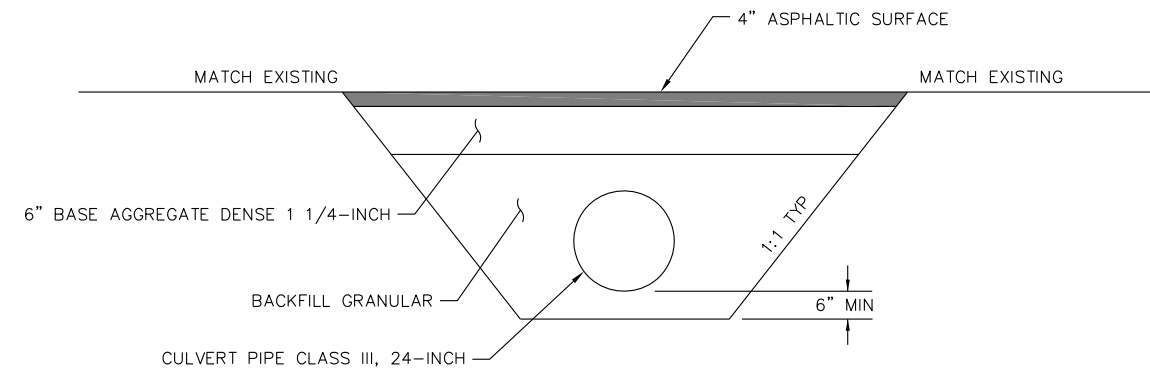
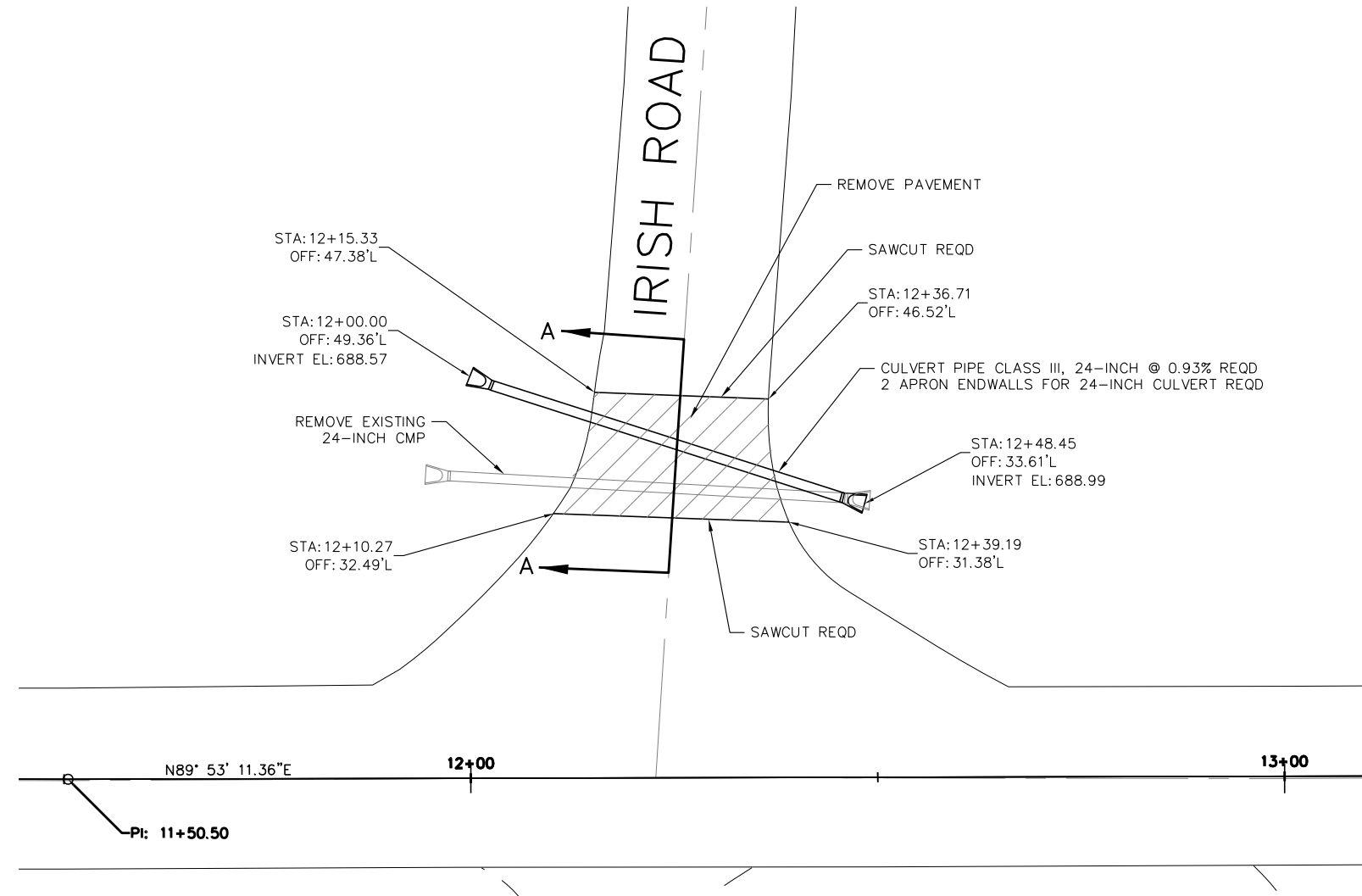


GENERAL NOTES

INSTALL ENERGY ABSORBING TERMINAL IN THE NORTHEAST QUADRANT WITH A 12:1 FLARE RATE. REMAINING QUADRANTS WILL UTILIZE STANDARD INSTALLATION.

OFFSETS FOR POSTS ARE MEASURED TO THE FRONT CENTER OF THE POST. GUARDRAIL OFFSETS ARE MEASURED TO THE BACK FACE OF THE RAIL.





SECTION A-A

DATE 17JUN14		E S T I M A T E O F Q U A N T I T I E S			
LINE				4333-04-71	
NUMBER	ITEM	ITEM DESCRIPTION	UNIT	TOTAL	QUANTITY
0500	638.2602	REMOVING SIGNS TYPE II	EACH	5.000	5.000
0510	638.3000	REMOVING SMALL SIGN SUPPORTS	EACH	5.000	5.000
0520	642.5001	FIELD OFFICE TYPE B	EACH	1.000	1.000
0530	643.0100	TRAFFIC CONTROL (PROJECT) 01. 4333-04-71	EACH	1.000	1.000
0540	643.0300	TRAFFIC CONTROL DRUMS	DAY	2,580.000	2,580.000
0550	643.0420	TRAFFIC CONTROL BARRICADES TYPE III	DAY	1,548.000	1,548.000
0560	643.0705	TRAFFIC CONTROL WARNING LIGHTS TYPE A	DAY	3,096.000	3,096.000
0570	643.0900	TRAFFIC CONTROL SIGNS	DAY	1,548.000	1,548.000
0580	645.0120	GEOTEXTILE FABRIC TYPE HR	SY	830.000	830.000
0590	646.0106	PAVEMENT MARKING EPO			

ASPHALTIC SURFACE

		465.0105
STATION - STATION	LOCATION	TON
7+60 - 9+42	CTH BB	105
10+51 - 12+00	CTH BB	105
12+10 - 12+39	IRISH ROAD	9
TOTAL		219

MGS GUARDRAIL 3

		614.2300
STATION - STATION	LOCATION	LF
8+22 - 8+72	17.27' R	50
11+21 - 11+34	17.27' L	12.5
TOTAL		62.5

MGS THRIE BEAM TRANSITION

		614.2500
STATION - STATION	LOCATION	LF
8+72 - 9+12	17.27' R	39.5
8+92 - 9+31	17.27' L	39.5
10+63 - 11+02	17.27' R	39.5
10+82 - 11+22	17	

ALL ITEMS ARE CATEGORY 0010
UNLESS OTHERWISE NOTED.

EROSION CONTROL ITEMS								
STATION - STATION	LOCATION	630.0200	628.1504	628.1520	628.2004	628.7504	628.1905	628.1910
		SEEDING		SILT FENCE	EROSION MAT	TEMPORARY	MOBILIZATIONS	MOBILIZATION EMERGENCY
		TEMPORARY	SILT FENCE	MAINTENANCE	CLASS I TYPE B	DITCH CHECKS	EROSION CONTROL	EROSION CONTROL
		LB	LF	LF	SY	LF	EACH	EACH
6+05 - 9+09	RT	25	--	--	870	--	--	--
7+50 - 9+28	LT	15	--	--	510	--	--	--
10+65 - 12+05	RT	7	--	--	250	--	--	--
10+85 - 12+14	LT	7	--	--	250	--	--	--
8+43	55' R	--	--	--	--	12</		

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UNLESS OTHERWISE NOTED.

RESTORATION ITEMS					
STATION - STATION	LOCATION	625.0100	627.0200	629.0210	630.0120
		SALVAGED	MULCHING	FERTILIZER	SEEDING MIXTURE
		TOPSOIL		TYPE B	NO. 20
		SY	SY	CWT	LB
6+05 - 9+09	RT	870	1050	1	30
7+50 - 9+28	LT	510	580	1	20
10+65 - 12+05	RT	250	330	1	9
10+85 - 12+14	LT	250	360	1	10
8+43	55' R	--	--	--	--
8+65	55' R	--	--	--	--
8+86	55' R	--	--	--	--
9+21	53' L	--	--	--	--
9+54	51' L	--	--	--	--
6+0					

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UNLESS OTHERWISE NOTED.

Division	From / To Station	Location	205.0100 Common Excavation (CY) **P**	Salvaged / Unus able Pavement Material	Available Material (CY) (1)	Unexpanded Fill	Expanded Fill	Mass Ordinate + / - (2)	208.0100 Borrow (CY)
			Cut				Factor 1.25		
	1 6+05 - 9+29	CTH BB WEST	484	350	134	1662	2078	-1944	1944
Division 1 Subtotal			484	350	134	1662	2078	-1944	1944
	2 10+65 - 12+00	CTH BB EAST	177	360	-183	573	717	-900	900
Division 2 Subtotal			177	360	-183	573	717	-900	900
Grand Total			660	710	-50				

Standard Detail Drawing List

08E08-03	TYPICAL INSTALLATIONS OF EROSION BALES / TEMPORARY DITCH CHECKS
08E09-06	SILT FENCE
08F01-11	APRON ENDWALLS FOR CULVERT PIPE
12A03-10	NAME PLATE (STRUCTURES)
13B02-06	CONCRETE PAVEMENT APPROACH SLAB
14B42-02A	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02B	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B42-02C	MIDWEST GUARDRAIL SYSTEM (MGS) GUARDRAIL
14B44-01A	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01B	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B44-01C	MIDWEST GUARDRAIL SYSTEM ENERGY ABSORBING TERMINAL (MGS)
14B45-03A	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03B	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03C	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
14B45-03H	MIDWEST GUARDRAIL SYSTEM THRIE BEAM TRANSITION (MGS)
15C06-07	SIGNING & MARKING FOR TWO LANE BRIDGES
15C08-16A	PAVEMENT MARKING (MAINLINE)

