

06-14-13 LETTING ITEM 192

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED
SURFACE TRANSPORTATION-RURAL

PROJECT RS-0059(023)
SECTION 13-00078-00-DR
GALLATIN COUNTY
ELSASSER ROAD / C.H. 14
C-99-529-13

ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C.H. 14	13-00078-00-DR	GALLATIN	13	1
FED. ROAD DIST. NO.		ILLINOIS CONTRACT NO. 09511		

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	SUMMARY OF QUANTITIES AND GENERAL NOTES
3.	TYPICAL CROSS SECTIONS
4.	PLAN AND PROFILE
5-12.	STATION CROSS SECTIONS
13.	BORINGS

HIGHWAY STANDARDS:

000001-06	STANDARD SYMBOLS, ABBREVIATIONS, AND PATTERNS
701901-02	TRAFFIC CONTROL DEVICES
BLR 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS

UTILITIES

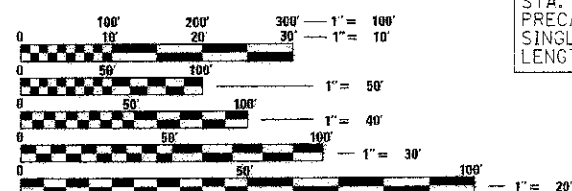
TIME WARNER CABLE
303 W. FAIRLAWN DR.
URBANA, IL 61801
ATTN: DON COLLINS

CONSUMERS GAS COMPANY
216 INDUSTRIAL AVE.
CARMI, IL 62821
ATTN: KEVIN BRATCHER
618-382-4158

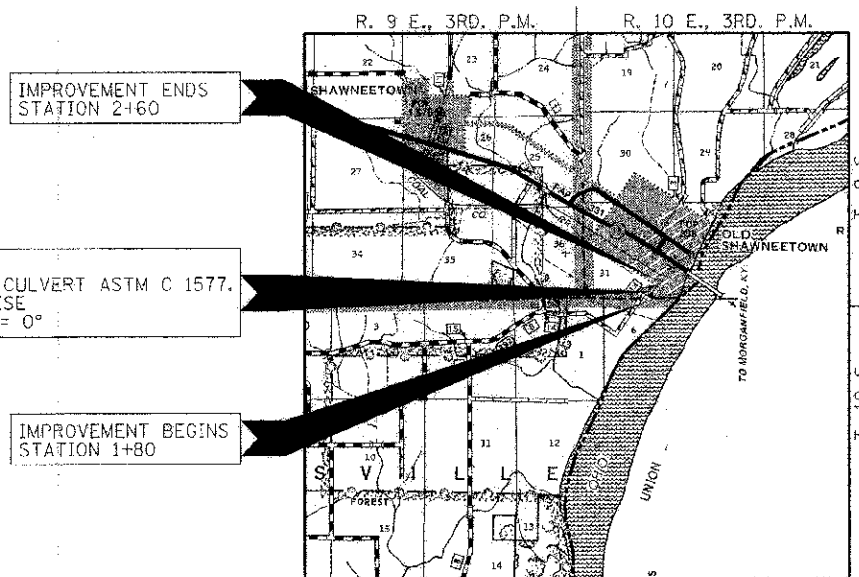
FRONTIER COMMUNICATIONS
208 W. UNION
MARION, IL 62959



FUNCTIONAL CLASSIFICATION: LOCAL ROAD (NON-URBAN)
DESIGN SPEED: 30 MPH
DESIGN TRAFFIC: 125 ADT CURRENT



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.



LOCATION MAP

APPROXIMATE SCALE: 0 1 MILE
NET LENGTH OF SECTION = 70 FEET = 0.013 MILES



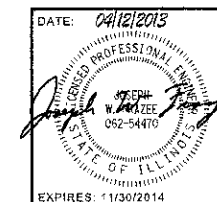
ILLINOIS DEPARTMENT OF TRANSPORTATION

APPROVED *April 15 2013*
Jim W. R. COUNTY ENGINEER

APPROVED _____ 20____
TOWNSHIP COMMISSIONER

PASSED *April 16 2013*
District Nine Engineer of Local Roads & Streets

Releasing For Bid Based on Limited Review
Deputy Director of Highways
Region Five Engineer
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION



HAMPTON, LENZINI AND RENWICK, INC.
CIVIL ENGINEERS • STRUCTURAL ENGINEERS • LAND SURVEYORS
3085 STEVENSON DRIVE, SUITE 201
SPRINGFIELD, ILLINOIS 62703
217.546.3400 www.hlrengineering.com

CONTRACT NO. 99511

EXPIRES: 11/30/2014

PROJECT NUMBER: 13.0044.130

DATE: 04/12/13

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY CONSTR CODE 0011
A 20100500	TREE REMOVAL, ACRES	ACRE	0.1
20200100	EARTH EXCAVATION	CU YD	85
21001000	GEO TECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	153
A 28100807	STONE DUMPED RIPRAP, CLASS A4	TON	110
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	134
48101200	AGGREGATE SHOULDERS, TYPE B	TON	84
50105220	PIPE CULVERT REMOVAL	FOOT	87
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2
A 54011005	PRECAST CONCRETE BOX CULVERTS 10' X 5'	FOOT	74
* 63100167	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) TANGENT	EACH	4
A 67100100	MOBILIZATION	L SUM	1
A X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	345
A X2090210	POROUS GRANULAR BACKFILL, SPECIAL	CU YD	51
A X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.1

A SEE SPECIAL PROVISIONS

* SPECIALTY ITEMS

Precast Box Culvert Schedule (ASTM C 1577)					
STATION	SIZE (SPAN X HEIGHT)	SKEW	Design Fill (ft)		PGE BACKFILL REQUIRED
			EDGE OF SHLDR. (minimum)	MAXIMUM	
2+25	10'x5'	0 deg.	9.1	9.6	Yes

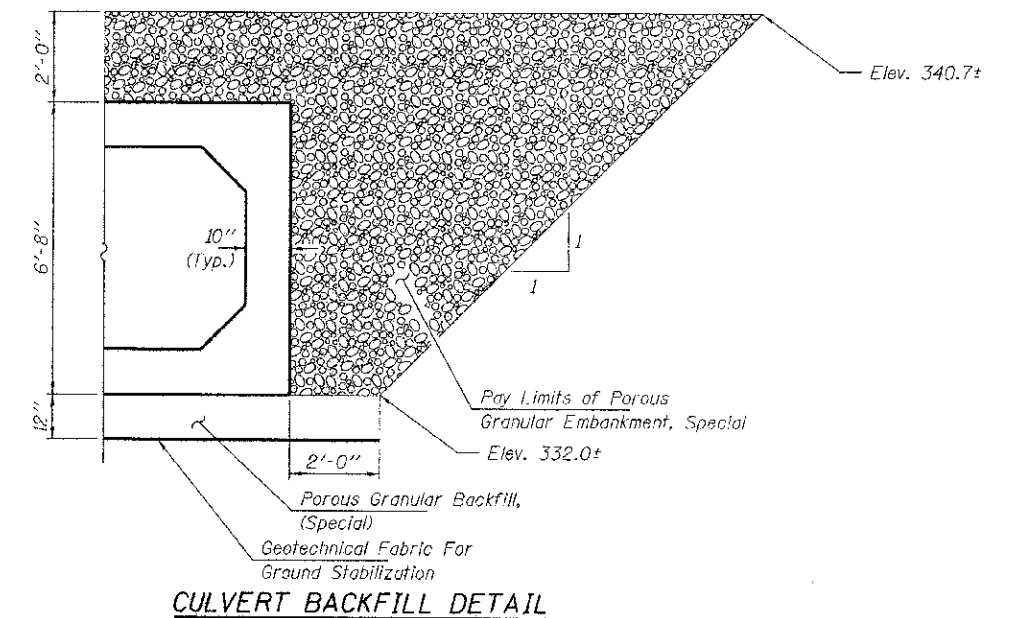
EARTHWORK SUMMARY							
LOCATION	EARTH EXCAVATION	MISC. EXCAVATION	SHRINKAGE FACTOR	% USED	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE (25%)	EMBANKMENT REQUIRED	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	CUBIC YARD	CUBIC YARD			CUBIC YARD	CUBIC YARD	CUBIC YARD
ELSASSER ROAD							
STA. 1+50 TO STA. 3+00	63		25.00%	100.00%	47	360	-313
EXCAVATION FROM PGB		320	25.00%	80.00%	192		192
EXCAVATION FROM BOX		210	25.00%	80.00%	126		126
TOTAL	63	530			365	360	5
USE	65						5
					WASTE	5	CU.YD.

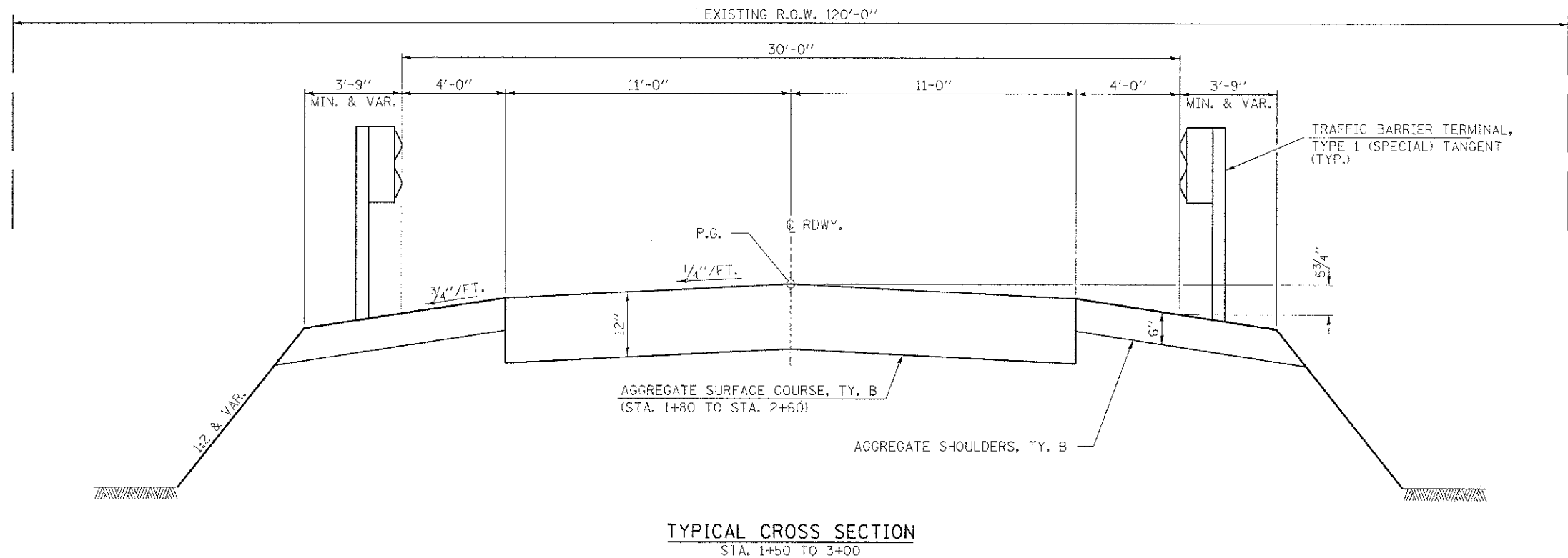
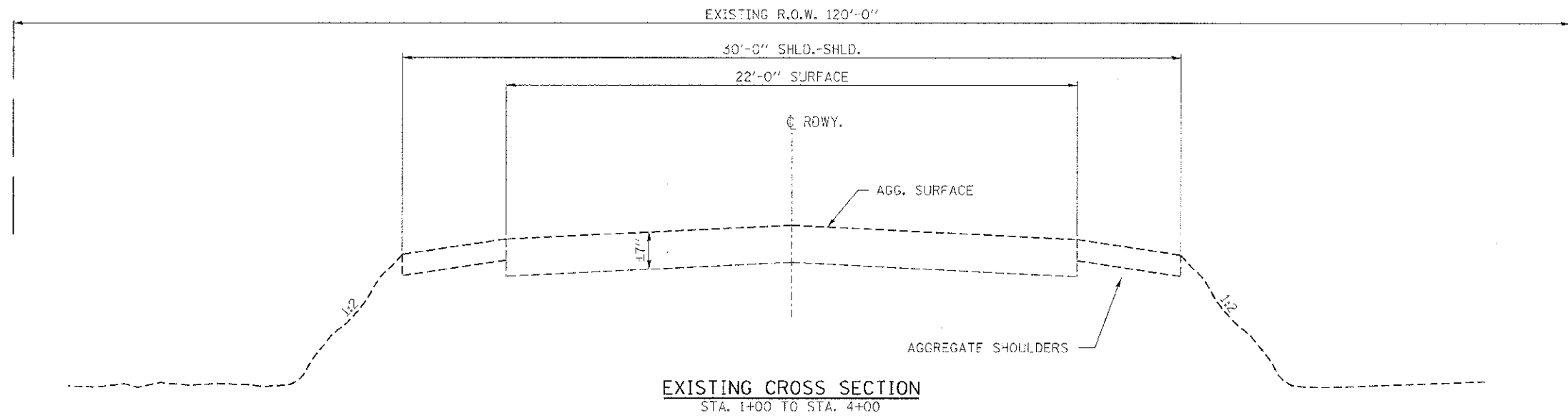
GENERAL NOTES

- ALL CONSTRUCTION SHALL BE DONE IN ACCORDANCE WITH THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2012", (HERE IN AFTER REFERRED TO AS THE STANDARD SPECIFICATIONS); THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JANUARY 1, 2013; THE LATEST EDITION OF THE "ILLINOIS MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"; THE DETAILS IN THE PLANS AND THE "SPECIAL PROVISIONS" INCLUDED IN THE DOCUMENTS.
- ALL CLEARING AND GRUBBING SHALL BE INCLUDED IN THE COST OF EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- THE LOCATION OF EXISTING GAS MAINS, ELECTRIC POWER LINES, TELEPHONE LINES AND OTHER UTILITIES AS SHOWN ON THE PLANS ARE BASED ON CAREFUL FIELD INVESTIGATION AND THE BEST INFORMATION AVAILABLE. BUT THE LOCATIONS ARE NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO ASCERTAIN THEIR EXACT LOCATION FROM THE INDIVIDUAL COMPANIES AND BY FIELD INSPECTION.
- WHERE SECTION OR SUBSECTION MONUMENTS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MONUMENTS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND CAREFULLY PRESERVE ALL MONUMENTS UNTIL AN AUTHORIZED SURVEYOR OR AGENT HAS WITNESSED OR OTHERWISE REFERENCED THEIR LOCATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR HAVING AN AUTHORIZED SURVEYOR REESTABLISH ANY ANY SECTION OR SUBSECTION MONUMENTS DESTROYED BY HIS OPERATIONS.
- THE REVISION NUMBER INDICATED FOR THE STANDARDS LISTED IN THE INDEX OF SHEETS SHALL BE USED IN THE CONSTRUCTION OF THIS SECTION.
- TREES WITHIN THE RIGHT-OF-WAY WHICH INTERFERE WITH CONSTRUCTION SHALL BE REMOVED ONLY AT THE DIRECTION OF THE ENGINEER.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES.

AGGREGATE SURFACE COURSE AND SHOULDERS	2.05 TON/CU YD
STONE RIPRAP, CLASS A4	1.75 TON/CU YD
- THE AREA TO BE SEEDDED SHALL CONSIST OF ALL EARTH SURFACES WITHIN THE RIGHT OF WAY OR AS DIRECTED BY THE ENGINEER

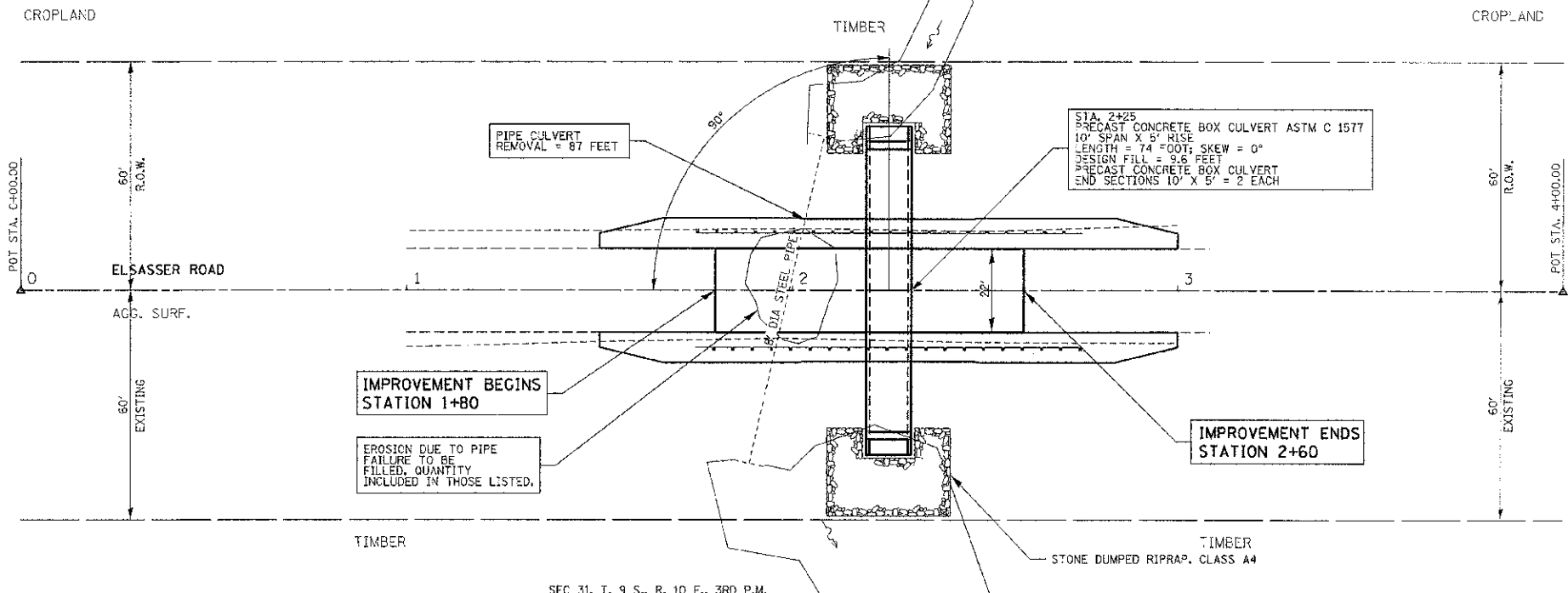
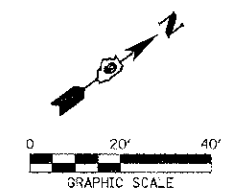
SEEDING, CLASS 2 (SPECIAL)	0.1 ACRES
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- ALL WASTE MATERIAL FROM EXCAVATIONS SHALL BE DISPOSED OF BY THE CONTRACTOR. NO ADDITIONAL COMPENSATION WILL BE ALLOWED.





FILE NAME = 132044-sh1-tp90010101.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS GALLATIN COUNTY HIGHWAY DEPARTMENT	TYPICAL CROSS SECTIONS ELSASSER ROAD		C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC. 3000 STEVENSON DRIVE, SUITE 201 SPRINGFIELD, ILL. 62703	P.L.I. SCALE =	DRAWN - R.D.H.	REVISED -		14	13-00078-00-DR	GALLATIN	13	3	CONTRACT NO. 99511		
ILLINOIS PROFESSIONAL DESIGN FIRM L.S./P.E. 788 DCES 184/00000	PLOT DATE = 4/25/2013	CHECKED - S.W.M.	REVISED -		SCALE:	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		
		DATE - 04/25/13	REVISED -									

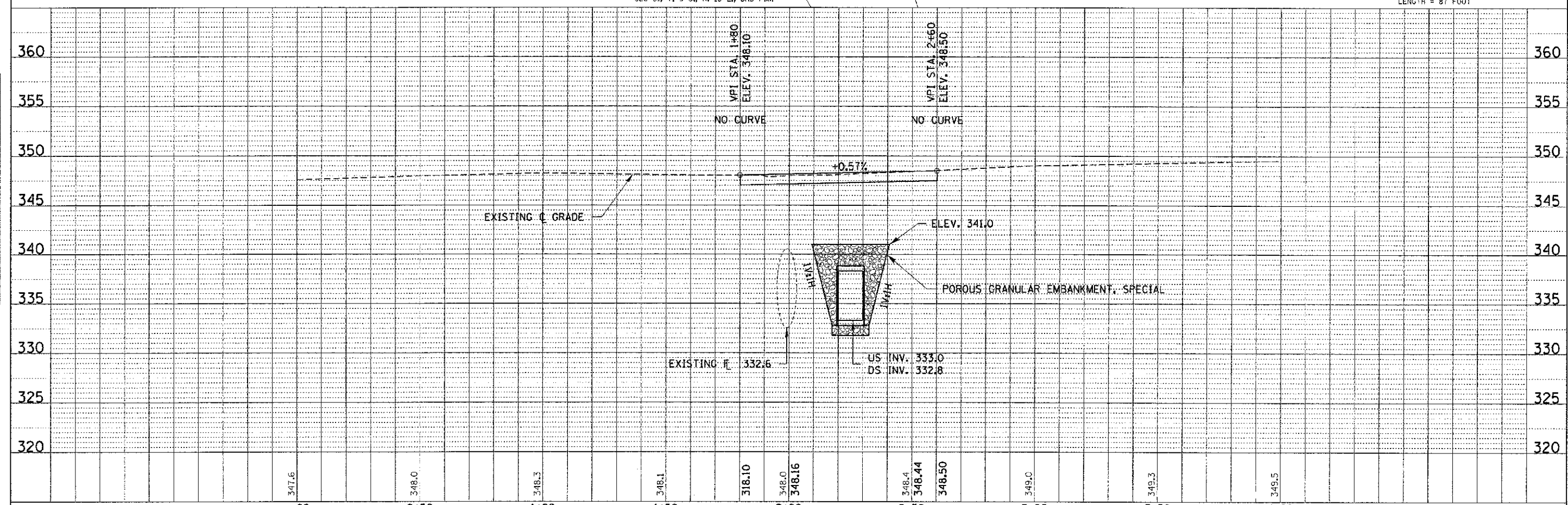
SEC 31, T. 9 S., R. 10 E., 3RD P.M.



T.B.T., TY 1 (SPL.) TANGENT
 LT. STA. 1+75 TO STA. 2+75 = 2 EACH
 RT. STA. 1+75 TO STA. 2+75 = 2 EACH
 TOTAL = 4 EACH

EXISTING STRUCTURE
 STATION 1+99
 8' DIA. STEEL TANK CAR CULVERT
 LENGTH = 87 FOOT

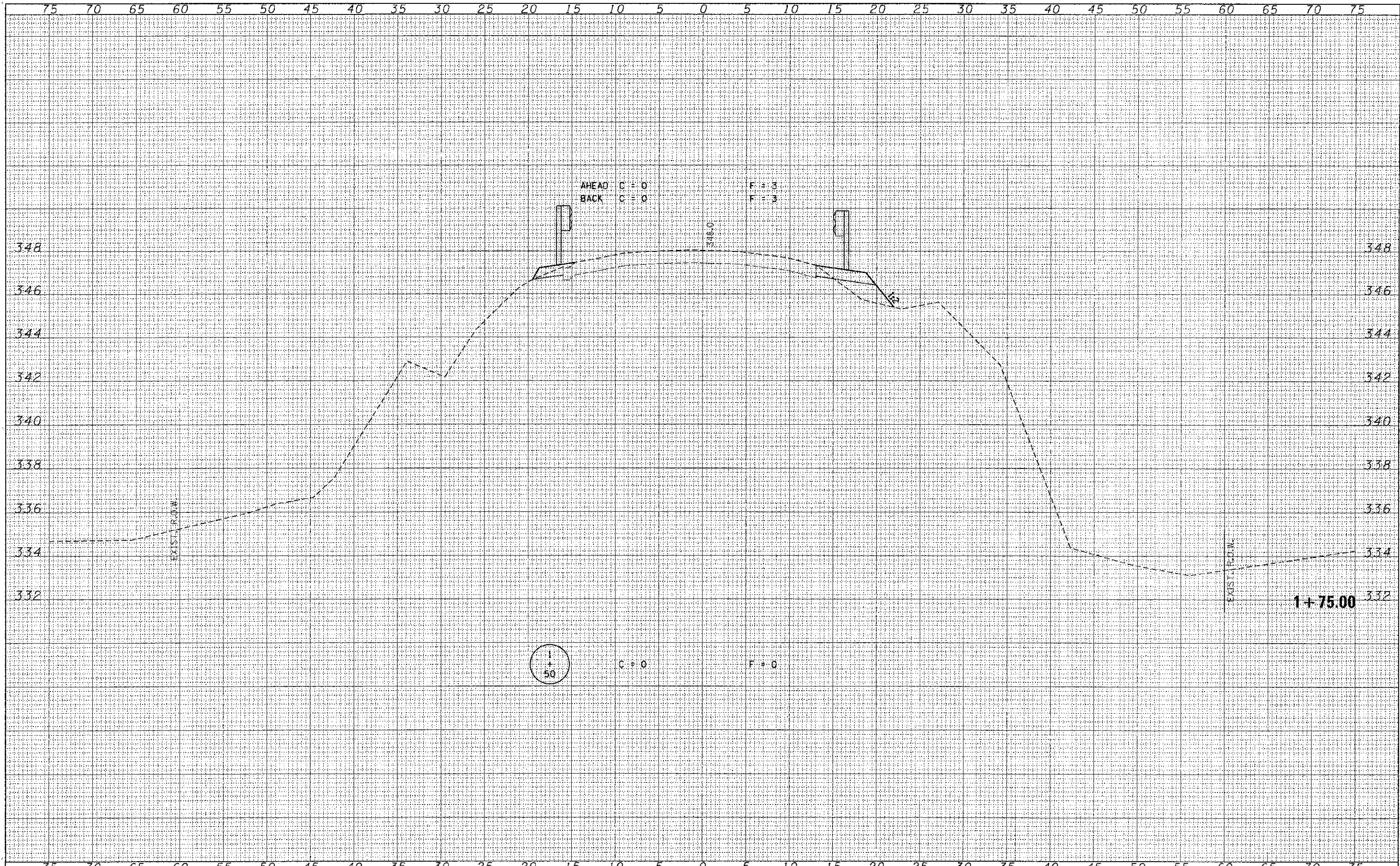
SEC 31, T. 9 S., R. 10 E., 3RD P.M.



DATE: _____
 BY: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____
 PLOTTED: _____
 FILE NAME: _____

DATE: _____
 BY: _____
 CHECKED: _____
 DESIGNED: _____
 DRAWN: _____
 PLOTTED: _____
 FILE NAME: _____

FILE NAME = 130244-ah-t-p8p.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS GALLATIN COUNTY HIGHWAY DEPARTMENT	PLAN & PROFILE	C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -			14	13-00078-00-DR	GALLATIN	13	4
1313 S. GARDNER DRIVE, SUITE 200 SPRINGFIELD, ILLINOIS 62761	PLOT SCALE =	CHECKED - S.W.M.	REVISED -			ELSSASSER ROAD		CONTRACT NO. 99511		
ILLINOIS PROFESSIONAL DESIGN FIRM 1313 S. GARDNER DRIVE, SUITE 200 SPRINGFIELD, ILLINOIS 62761	PLOT DATE = 4/25/2013	DATE - 04/25/13	REVISED -			SCALE: 20H:5V SHEET NO. 1 OF 1 SHEETS STA. 0+00.00 TO STA. 4+00.00		ILLINOIS FED. AID PROJECT		



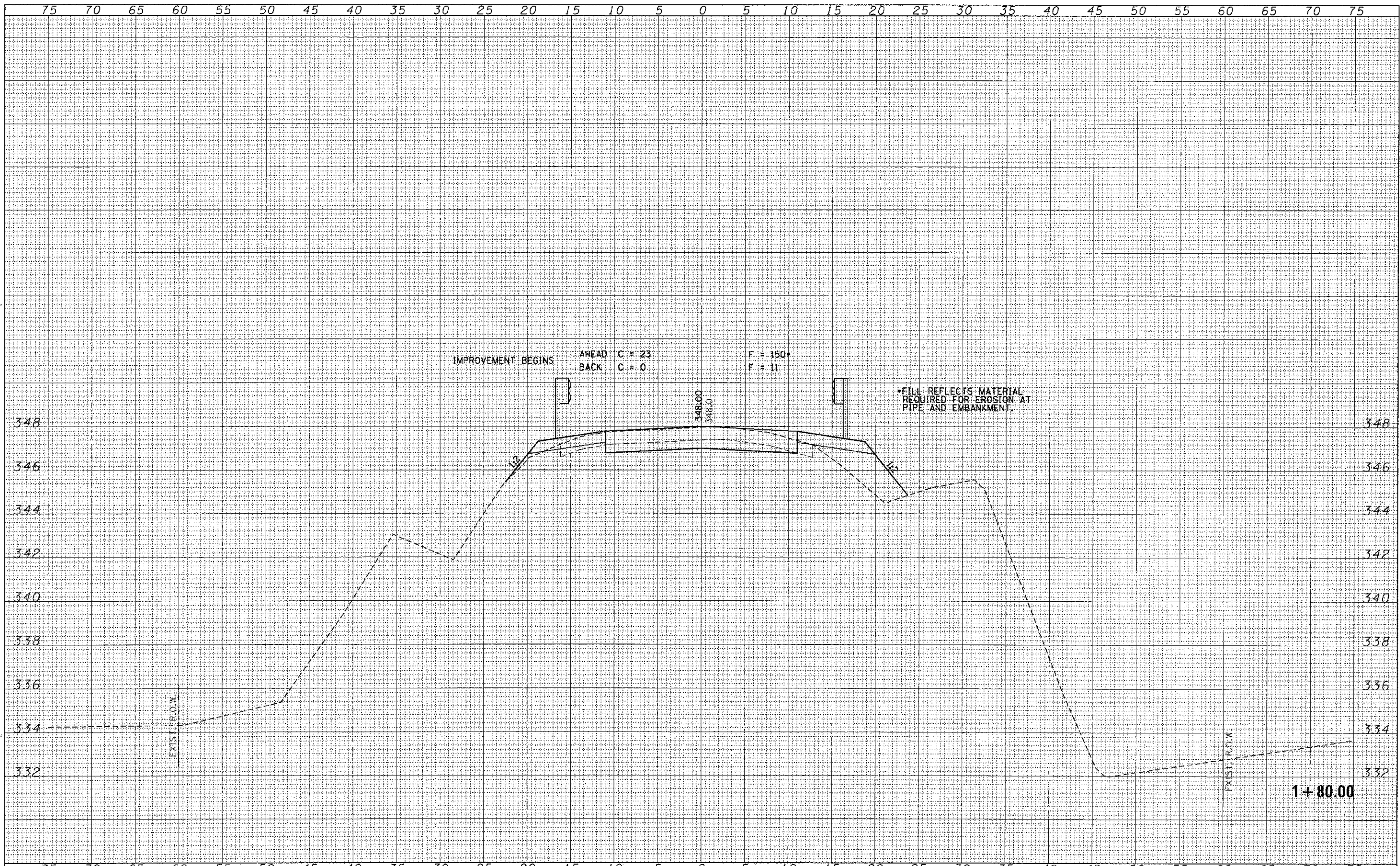
DATE	
BY	
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

DATE	
BY	
REVISIONS	
NO. 1	
NO. 2	
NO. 3	
NO. 4	
NO. 5	
NO. 6	
NO. 7	
NO. 8	
NO. 9	
NO. 10	

FILE NAME = 130044-sh1-exe.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS GALLATIN COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS ELSASSERS ROAD		C.J.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -				14	13-00078-00-DR	GALLATIN	13	5
1000 STEVENSON DRIVE, SUITE 200 SPRINGFIELD, ILLINOIS 62703		CHECKED - S.W.M.	REVISED -				CONTRACT NO. 99511				
ILLINOIS PROFESSIONAL DESIGN FIRM L.S. / P.C. / P.E. CODE - 14-000898	PLOT SCALE =	DATE - 04/25/13	REVISED -				ILLINOIS FED. AID PROJECT				
	PLOT DATE = 4/25/2013						SCALE: 5HxV2	SHEET NO. 1 OF 8 SHEETS	STA. 1+75.00 TO STA. 1+75.00		

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		

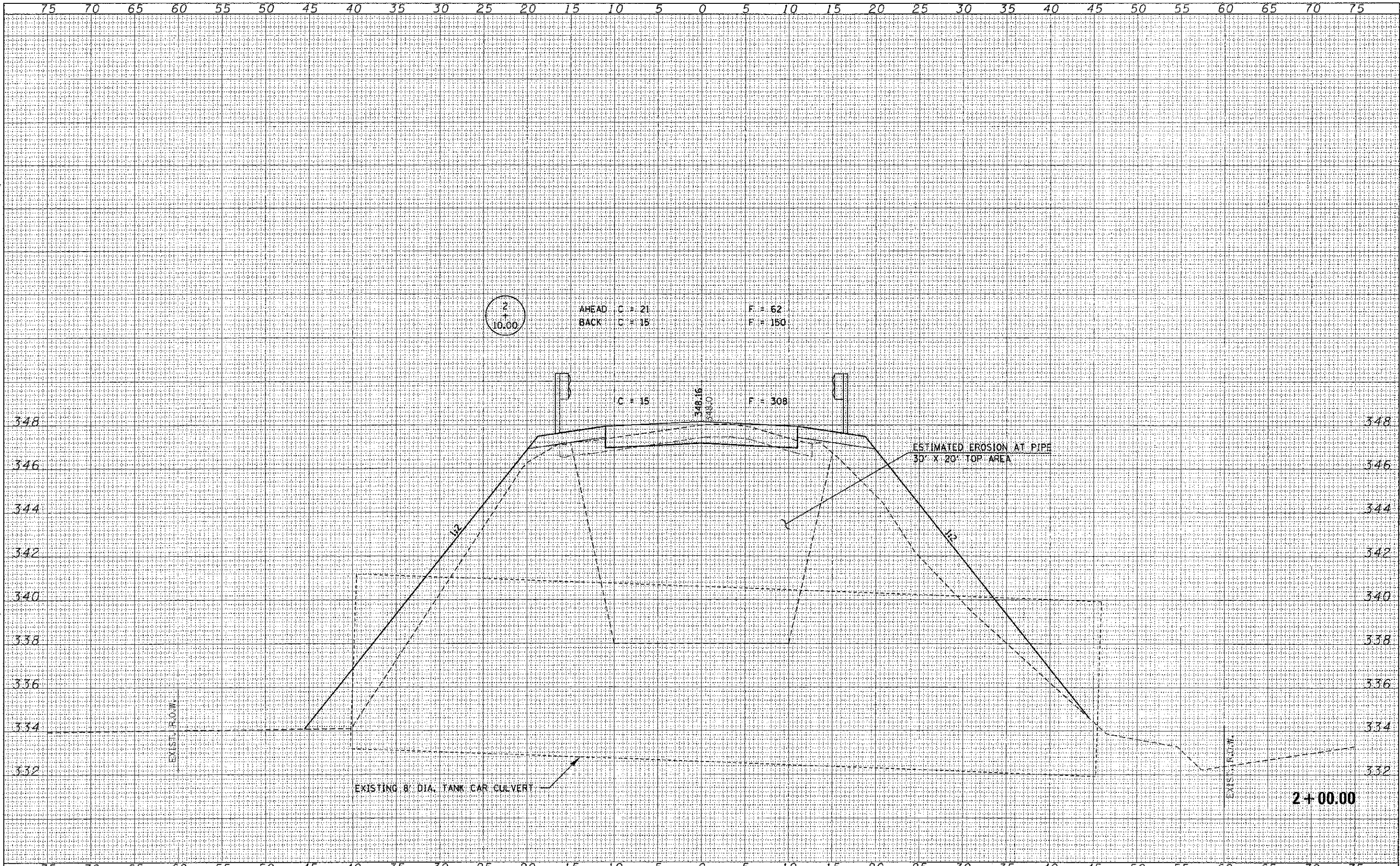
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
	TEMPLATE		
	AREAS		
	CHECKED		



FILE NAME = 130344-spt-axo.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS GALLATIN COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS ELSASSER ROAD		C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -		14	13-00078-00-DR	GALLATIN	13	6	CONTRACT NO. 99511		
ILLINOIS PROFESSIONAL ENGINEERING FIRM		CHECKED - S.W.M.	REVISED -		SCALE: 5H:V2		SHEET NO. 2 OF 8 SHEETS		STA. 1+90.00 TO STA. 1+90.00		[ILLINOIS] FED. AID PROJECT	
151 PLY/SEC CORP. 184-00000		DATE - 04/25/13	REVISED -									

FINAL SURVEY	DATE
NOTED BOOK	BY
REMARKS	
AREAS	
ADJUSTED	

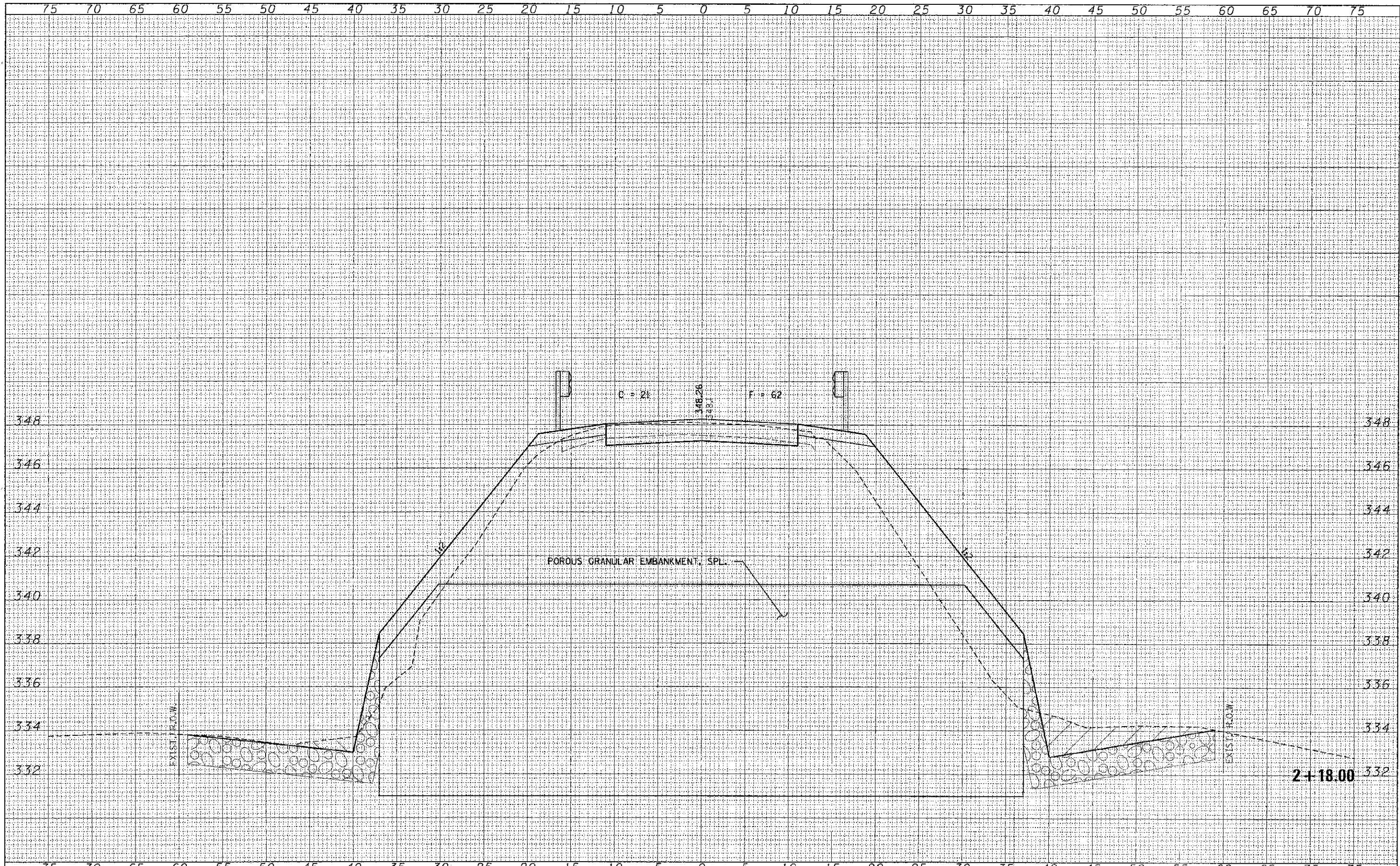
ORIGINAL SURVEY	DATE
NOTED BOOK	BY
REMARKS	
AREAS	
ADJUSTED	



FILE NAME = 130744-ahtrava.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS GALLATIN COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS ELSSASSERS ROAD		C.H.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -		14	13-00078-00-DR	GALLATIN	13	7		
300 S. SPRINGFIELD AVE. SUITE 201 SPRINGFIELD, ILLINOIS 62703	PLOT SCALE =	CHECKED - S.W.M.	REVISED -		SCALE: 5H:V2		SHEET NO. 3 OF 8 SHEETS		STA. 2+00.00 TO STA. 2+00.00		
ILLINOIS PROFESSIONAL DESIGN FIRM L.S. 1181 SE CORNER 14-73893	PLOT DATE = 4/25/2013	DATE - 04/25/13	REVISED -		CONTRACT NO. 99511				ILLINOIS FED. AID PROJECT		

DATE	
BY	
FINAL SURVEY	
NOTED BOOK	
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS	
AREAS	

DATE	
BY	
ORIGINAL SURVEY	
NOTED BOOK	
NOTE BOOK	
TEMPLATE	
AREAS	
AREAS	
AREAS	



FILE NAME = 136044-htr-axs.dgn	USER NAME =	DESIGNED - J.W.F.	REVISED -	STATE OF ILLINOIS GALLATIN COUNTY HIGHWAY DEPARTMENT	STATION CROSS SECTIONS ELSSASSERS ROAD		C.H.	SECTION	COUNTY	TOTAL SHEET NO.
HAMPTON, LENZINI AND RENWICK, INC.		DRAWN - L.G.C.	REVISED -		14	13-00078-00-DR	GALLATIN	13	8	
1140 S. FREDERICK DRIVE, SUITE 201 SPRINGFIELD, ILLINOIS 62793	PLOT SCALE =	CHECKED - S.W.M.	REVISED -		SCALE: 5HxV2		SHEET NO. 4 OF 8 SHEETS		CONTRACT NO. 99511	
ILLINOIS PROFESSIONAL DESIGN FIRM L.S. # 04-0019-19A/00000	PLOT DATE = 4/25/2013	DATE = 04/25/13	REVISED -		STA. 2+18.00 TO STA. 2+18.00		ILLINOIS FED. AID PROJECT			

HOLCOMB FOUNDATION ENGINEERING INC.
P.O. Box 88 618-529-5262
Carbondale, IL 62903 618-457-8991 fax Page 1 of 1

Bridge Foundation Boring Log

Project: H-13034 Road Elsasser Road Date: 2/15/2013
Section: 13-00078-00-DR Station: Bored by: B. Schwartz
Structure: 2+2.0 Checked By: J. Haisamb
County: Gallatin

Boring No. 1 Station: Offset:	Elevation			N	Cu	tsf	B	S	P	Surface Water Elev.		
	N	Cu	tsf							During Drilling	Dry	Upon Completion
Ground Surface (348.2) 100.0	0											
7" of C. Stone (347.6) 99.4												
Brown Mottled Gray Silty CLAY (A-6) with sand.												
		13	4.3S	16								
		6	3.3S	20								
		6	1.3S	25								
		5	1.7S	26								
		6	1.1S	25								
(334.2) 86.0												
Gray Silty CLAY to CLAY (A-6)		4	0.6B	29								
		4	0.9B	26								
(328.2) 80.0		5	1.4S	28								
End of Boring @ -20.0'												

N = Standard Penetration Test Blows per foot to drive 2" O.D. Split Spoon Sampler 12" with a 140 lbs. hammer falling 30"
Qu = Unconfined Compressive Strength in tons/sq.ft.
w = Water Content - percentage of oven dry weight-%
B = Bulge Failure
S = Shear Failure
P = Estimated Value Penetrometer

BORING