

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	TITLE SHEET & SUMMARY OF QUANTITIES
2	PLAN & PROFILE, TYPICAL SECTIONS, GENERAL NOTES & STONE RIPRAP DITCH DESIGN
3	ROADWAY CROSS SECTIONS

THE FOLLOWING STANDARDS ARE A PART OF THESE PLANS AND ARE INCLUDED IN THE PROPOSAL:

000001-06	STANDARD SYMBOLS, ABBREVIATIONS & PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
515001-03	NAME PLATE FOR BRIDGES
701901-03	TRAFFIC CONTROL DEVICES
B.L.R. 21-9	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
B.L.R. 22-7	TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS (TWO-LANE TWO-WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

SUMMARY OF QUANTITIES

CODE NO.	ITEM	UNIT	QUANTITY
20900110	POROUS GRANULAR BACKFILL	CU YD	284.00
28100807	STONE DUMPED RIPRAP, CLASS A4	TON	165.00
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	200.00
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1.00
50105220	PIPE CULVERT REMOVAL	FOOT	18.00
50200100	STRUCTURE EXCAVATION	CU YD	320.00
51500100	NAME PLATES	EACH	1.00
54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2.00
54010402	PRECAST CONCRETE BOX CULVERTS 4'X2'	FOOT	28.00
67100100	MOBILIZATION	L SUM	1.00
*X2501000	SEEDING, CLASS 2 (SPECIAL)	ACRE	0.10
*X5040050	PRECAST CONCRETE SUBSTRUCTURE	L SUM	1.00
20038286	THREE-SIDED PRECAST CONCRETE STRUCTURES 28'X8'	FOOT	30.00

DESIGN DESIGNATION:
 DESIGN SPEED: 30 MPH
 HIGHWAY CLASS - LOCAL ROAD
 EXISTING STRUCTURE NO.: 033-3048
 PROPOSED STRUCTURE NO.: 033-3316
 CURRENT A.D.T. = 50
 CONTRACT NO. 99523



**Know what's below.
 Call before you dig.**

STATE OF ILLINOIS

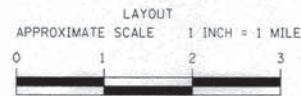
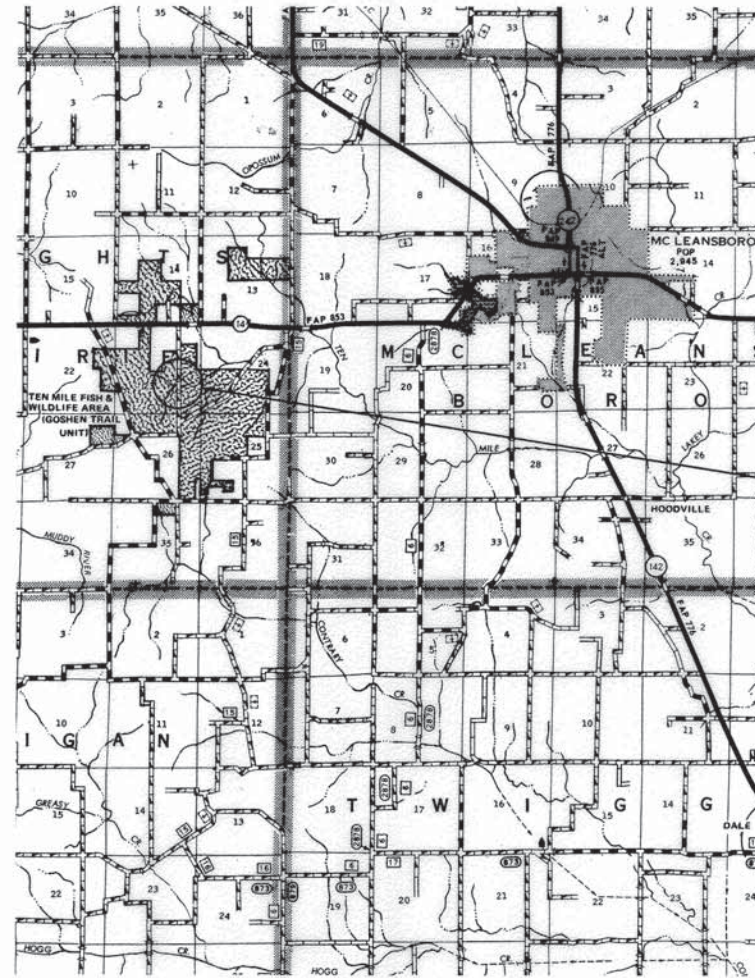
DEPARTMENT OF TRANSPORTATION

**PLANS FOR PROPOSED
 FEDERAL AID - S.T.P. BRIDGE**

T.R. 126 HAMILTON COUNTY SECTION 10-06129-00-BR

PROJECT NO. BROS-065(052) JOB NO. C-99-538-11

CONTRACT # 99523 TRIBUTARY TEN MILE CREEK



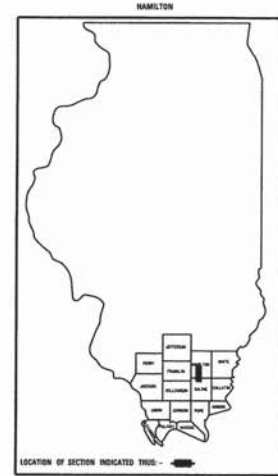
GROSS LENGTH	285.00 FT	0.054 MILES
OMISSIONS	0.00 FT	0.000 MILES
NET LENGTH	285.00 FT	0.054 MILES



TR	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	10-06129-00-BR	HAMILTON	3	1

FED. ROAD DIST. NO. 9 ILLINOIS FED. AID PROJECT
 PROJECT # BROS-065(052) CONTRACT # 99523
 JOB # C-99-538-11 TRIBUTARY TEN MILE CREEK
 LEC JOB # H2L0139M

323 W. 3RD ST.
 P.O. BOX 160
 MT. CARMEL, IL 62863
 PHONE: (618)-262-8651
 FAX: (618)-263-3327



PROFESSIONAL DESIGN FIRM
 LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION
 184-000887
 (62-032435)(35-002769)



AARON M. MEFFORD
 NAME
 Signature
 DATE 3-20-14
 11-30-15 EXPIRES

PLAN	1" = 50'	0 50' 100'
PROFILE	1" = 50'	0 50' 100'
PROFILE VERT.	1" = 5'	0 5' 10'
CROSS SECTION	1" = 5'	0 5' 10'

SECTION 10-06129-00-BR BEGINS STATION 4+50

STATION 5+00, STRUCTURE NO. 033-3316
 A THREE SIDED PRECAST CONCRETE STRUCTURE,
 28'x8' WITH PRECAST CONCRETE SUBSTRUCTURE,
 24' ROADWAY, 0.00% GRADE, 0° SKEW.

SECTION 10-06129-00-BR ENDS STATION 7+35

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED March 20, 2014
 COUNTY ENGINEER

PASSED MARCH 31, 2014
 ENGINEER OF LOCAL ROADS AND STREETS

RELEASING FOR BID
 BASED ON LIMITED REVIEW: MARCH 31, 2014

Jeffrey L. Keirn
 JEFFREY L. KEIRN, P.E.
 ACTING DEPUTY DIRECTOR OF HIGHWAYS
 REGION FIVE ENGINEER

TOWNSHIP ROUTE 126
 OVER TRIBUTARY TEN MILE CREEK
 HAMILTON COUNTY, ILLINOIS

SHEET TITLE:
 TITLE SHEET

SCALE: WRES
 BY: AMM
 DATE: 3/20/14
 REV:

1 OF 3 SHEETS
 SHEET NO. 1

GENERAL NOTES:

THIS SECTION SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE PLANS, SPECIAL PROVISIONS AND "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012.

THE WORK INVOLVED ON THIS SECTION CONSISTS OF THE REMOVAL OF THE EXISTING STRUCTURE, THE CONSTRUCTION OF A THREE-SIDED PRECAST CONCRETE STRUCTURE 28'X8', EARTH APPROACHES, AGGREGATE SURFACE COURSE AND OTHER MISCELLANEOUS ITEMS NECESSARY TO COMPLETE THIS SECTION.

ALL ELEVATIONS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTACT ALL THE UTILITIES, AFFECTING THE PROJECT, PRIOR TO CONSTRUCTION.

STONE DUMPED RIPRAP, CLASS A4 INCLUDES 5 TONS AT THE PRECAST CONCRETE BOX CULVERT END SECTIONS, AND 160 TONS AT THE PROPOSED STRUCTURE.

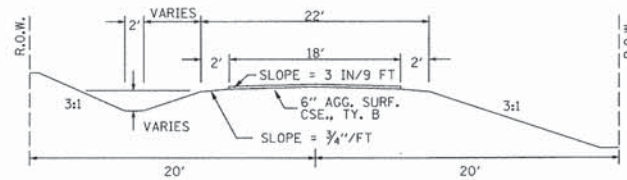
AGGREGATE SURFACE COURSE, TYPE B INCLUDES 25 TONS FOR THE PRIVATE ENTRANCE AND 175 TONS FOR THE ROADWAY.

NOTE: CONSTRUCTION TRANSITION
STA. 4+50 TO STA 5+00
STA. 6+85 TO STA 7+35

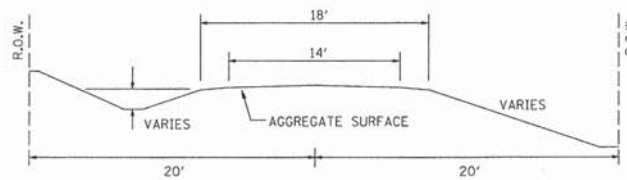
ALL QUANTITIES ARE INCLUDED IN THE PROPOSAL



TYPICAL CROSS SECTION PROPOSED



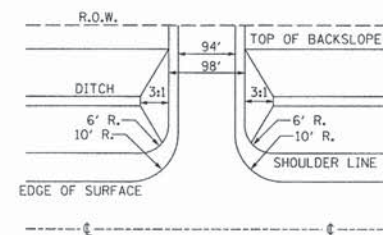
TYPICAL CROSS SECTION EXISTING



TEN MILE CREEK TRIBUTARY
BUILT 2011 BY
HAMILTON COUNTY
SEC. 10-06129-00-BR
KNIGHTS PRAIRIE ROAD DISTRICT
STR. NO. 033-3316
LOADING HS-20

NAME PLATE
See Std. 515001

PRIVATE ENTRANCE DETAIL

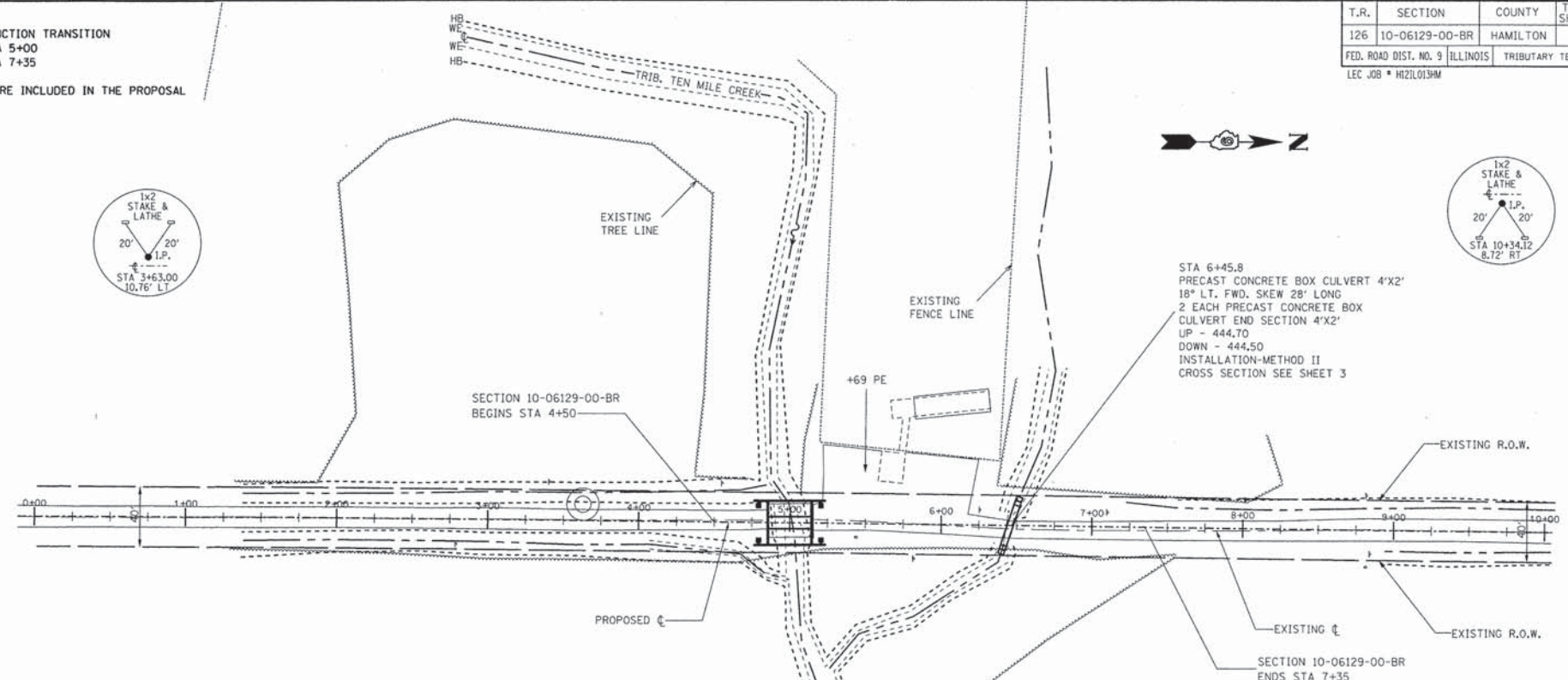


UTILITIES:
J.U.L.I.E.
1-800-892-0123

NOTE: PIPE CULVERT REMOVAL
STA 6+43 18 LF - 48" RCP

PRECAST BOX CULVERT SCHEDULE (ASTM C 1577)

STATION	SIZE (SPAN X HEIGHT)	SKEW	DESIGN FILL (FT.)		PGE BACKFILL REQUIRED
			EDGE OF SHLDR. (MINIMUM)	MAXIMUM	
6+45.8	4' X 2'	18° LT. FWD.	0.0	1.0	NONE

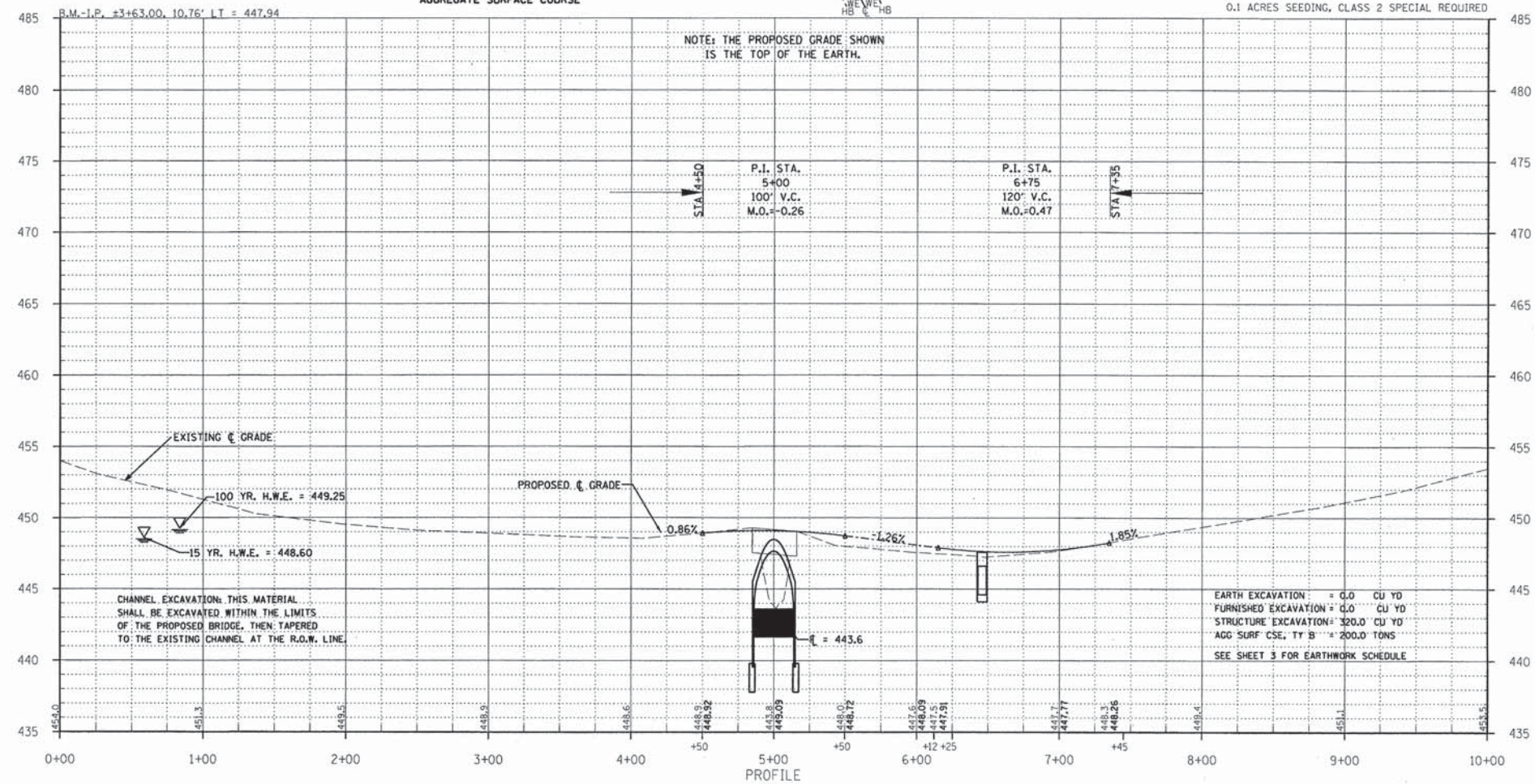


EXISTING BRIDGE STA 5+00.7; STRUCTURE NUMBER: 033-3048
A 26' LONG SINGLE SPAN 30" CONCRETE DECK BEAM BRIDGE
ON CONCRETE ABUTMENTS.

ONE (1) EACH-REMOVAL OF EXISTING STRUCTURES ALLOWED IN THIS PROPOSAL.

PROPOSED STRUCTURE: NO. 033-3316, STA 5+00,
A THREE SIDED PRECAST CONCRETE STRUCTURE 28'X8'
WITH PRECAST CONCRETE SUBSTRUCTURE, 30' WIDTH, 0° SKEW.

NOTE: FILL NEXT TO BRIDGE TO BE
AGGREGATE SURFACE COURSE



CHANNEL EXCAVATION: THIS MATERIAL SHALL BE EXCAVATED WITHIN THE LIMITS OF THE PROPOSED BRIDGE, THEN TAPERED TO THE EXISTING CHANNEL AT THE R.O.W. LINE.

EARTH EXCAVATION = 0.0 CU YD
FURNISHED EXCAVATION = 0.0 CU YD
STRUCTURE EXCAVATION = 320.0 CU YD
AGG SURF CSE, TY B = 200.0 TONS
SEE SHEET 3 FOR EARTHWORK SCHEDULE

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	10-06129-00-BR	HAMILTON	3	2

FED. ROAD DIST. NO. 9 ILLINOIS TRIBUTARY TEN MILE CREEK
LEC JOB # H2L019M

323 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL 62863
PHONE: (618)-262-8651
FAX: (618)-263-3327

PROFESSIONAL DESIGN FIRM
LAND SURVEY & PROFESSIONAL ENGINEERING CORPORATION
184-00887
(62-032435)(35-002769)



AARON M. MEFFORD
NAME
SIGNATURE
DATE
11-30-15
EXPIRES

TOWNSHIP ROUTE 126
OVER TRIBUTARY TEN MILE CREEK
HAMILTON COUNTY, ILLINOIS

SHEET TITLE:

PLAN & PROFILE

SCALE: VARS
BY: AMM
DATE: 3/20/14
REV:

2 OF 3 SHEETS

SHEET NO. 2

T.R.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	10-06129-00-BR	HAMILTON	3	3
FED. ROAD DIST. NO. 9		ILLINOIS	TRIBUTARY TEN MILE CREEK	
LEC JOB # HZ10103AM				

323 W. 3RD ST.
P.O. BOX 160
MT. CARMEL, IL
62863
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LAND SURVEY &
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AARON M. MEFFORD
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SIGNATURE
DATE
11-30-15
EXPIRES

TOWNSHIP ROUTE 126
OVER TRIBUTARY TEN MILE CREEK
HAMILTON COUNTY, ILLINOIS

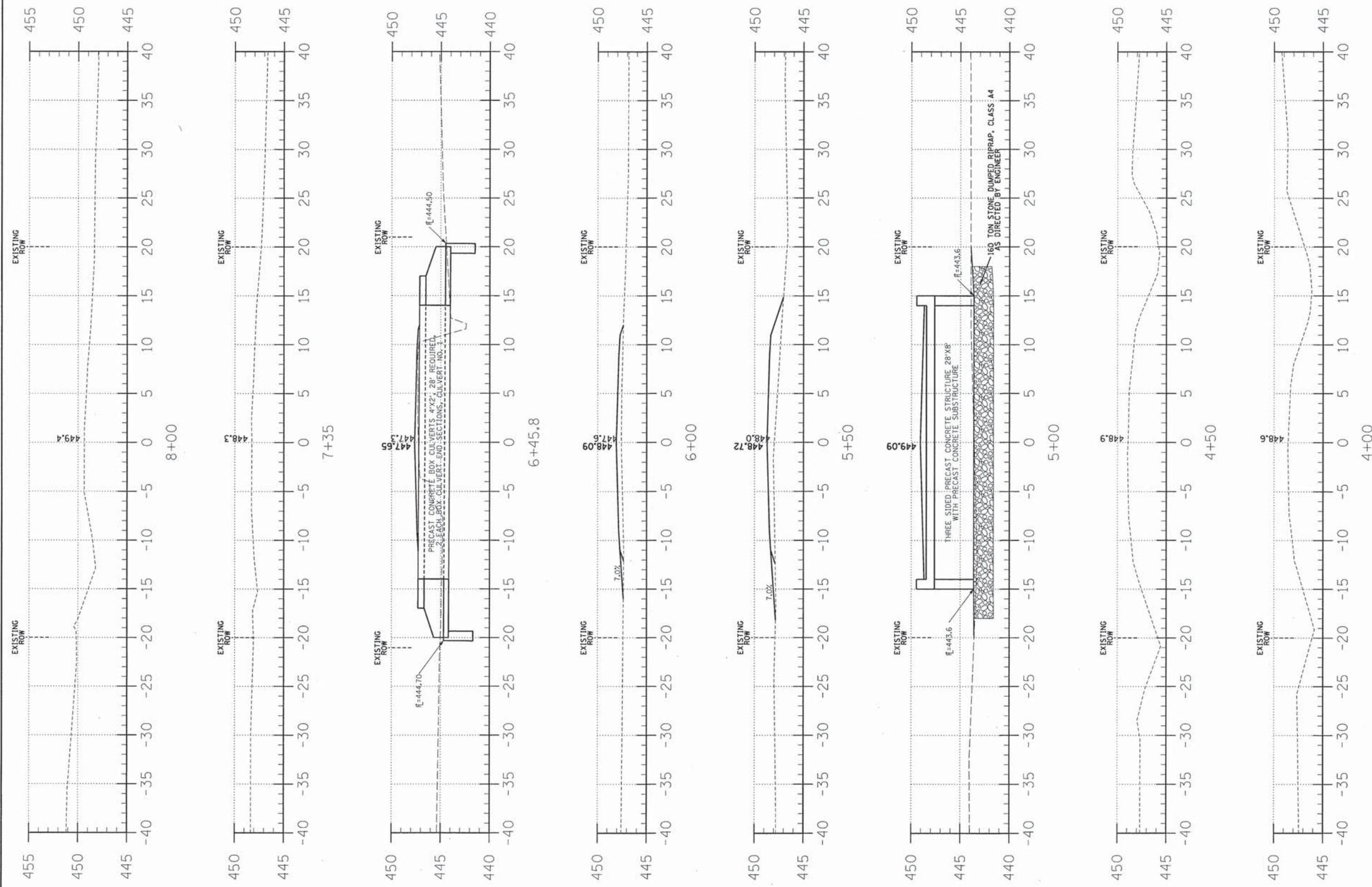
SHEET TITLE:

CROSS-SECTIONS

SCALE: 1" = 5'
BY: AMM
DATE: 3/29/14
REV:

3 OF 3
SHEETS

SHEET NO.
3



C = 0.0
F = 5.0

C = 0.0
F = 10.2

C = 0.0
F = 18.8

EARTHWORK SCHEDULE

LOCATION	EARTH EXCAVATION		STRUCTURE EXCAVATION		ESTIMATED UNSUITABLE MATERIAL		SUITABLE MATERIAL ADJUSTED FOR SHRINKAGE		EMBANKMENT		EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)	
	CUBIC YARD		CUBIC YARD		CUBIC YARD		CUBIC YARD		CUBIC YARD		CUBIC YARD	
STA 0+00 TO 4+75	0.0		0.0		0.0		0.0		0.0		0.0	
STA 4+75 TO 5+25	0.0		320.0		160.0		120.0		0.0		-120.0	
STA 5+25 TO 10+00	0.0		0.0		0.0		0.0		104.9		-104.9	
1 PRIVATE ENTRANCE	0.0		0.0		0.0		0.0		5.3		-5.3	
TOTAL	0.0		320.0		160.0		120.0		110.2		+9.8	