

INDEX OF SHEETS

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04-26-13 LETTING ITEM 209

STATE OF ILLINOIS

DEPARTMENT OF TRANSPORTATION

DIVISION OF HIGHWAYS

**IDOT / IDNR STATEWIDE
SPRING LAKE STATE PARK
CAUSEWAY STRUCTURE REMOVAL
SECTION PARK ROADS**

TAZEWELL COUNTY

IDNR PROJECT NO. 1-12-011

C-30-019-13

3RD. P.M.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
459	PARK ROADS	TAZEWELL	10	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 46261		

HIGHWAY STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
- 001006 DECIMAL OF AN INCH AND OF A FOOT
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 701901-02 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-03 SIGN PANEL ERECTION DETAILS
- BLR 21-9 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR CONSTRUCTION ON RURAL LOCAL HIGHWAYS
- BLR 22-7 TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES FOR RURAL LOCAL HIGHWAYS (2-LANE 2-WAY RURAL TRAFFIC) (ROAD CLOSED TO THRU TRAFFIC)

PROJECT DESCRIPTION

THE PROPOSED PROJECT CONSISTS OF REMOVING STRUCTURE NO 090-3041, AN EXISTING CONCRETE DECK BEAM BRIDGE SUPPORTED UPON CLOSED TIMBER ABUTMENTS AND TIMBER PILES, AND THE PARTIAL REMOVAL OF THE ADJACENT SHEET PILING AND STOP LOG STRUCTURE AND REPLACEMENT WITH A 36" DIAMETER DUCTILE IRON PIPE CULVERT, ROADWAY ROCK AND EARTH EMBANKMENT AND A BITUMINOUS SURFACE TREATMENT ROAD SURFACE.

0 50' 100' 150' — 1" = 50' (CONSTRUCTION STAGING & TRAFFIC CONTROL)

0 20' 50' 100' — 1" = 20' (PLAN AND PROFILE SHEET)
(EROSION CONTROL (SWPPP) PLAN)

0 5' 10' 15' — 1" = 5' (CROSS SECTION)

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.

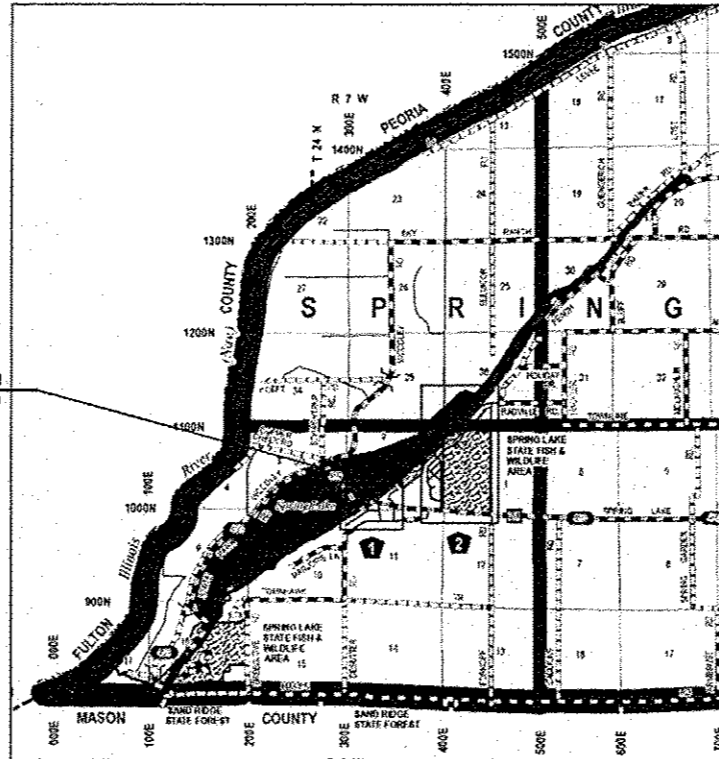
J.U.L.I.E.
JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
1-800-892-0123
OR 811

PROJECT ENGINEER: LANCE KIDD (217) 785-2933
CONTRACT NO. 46261

TRAFFIC DATA

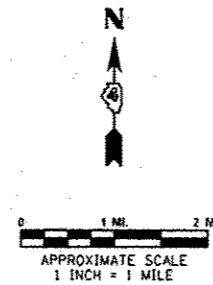
FUNCTIONAL CLASS: MAJOR COLLECTOR
ADT: 225 (2012)
DHV: 30 (2012)
DESIGN SPEED: 40 MPH
POSTED SPEED: 40 MPH

TOWNSHIP: SPRING LAKE

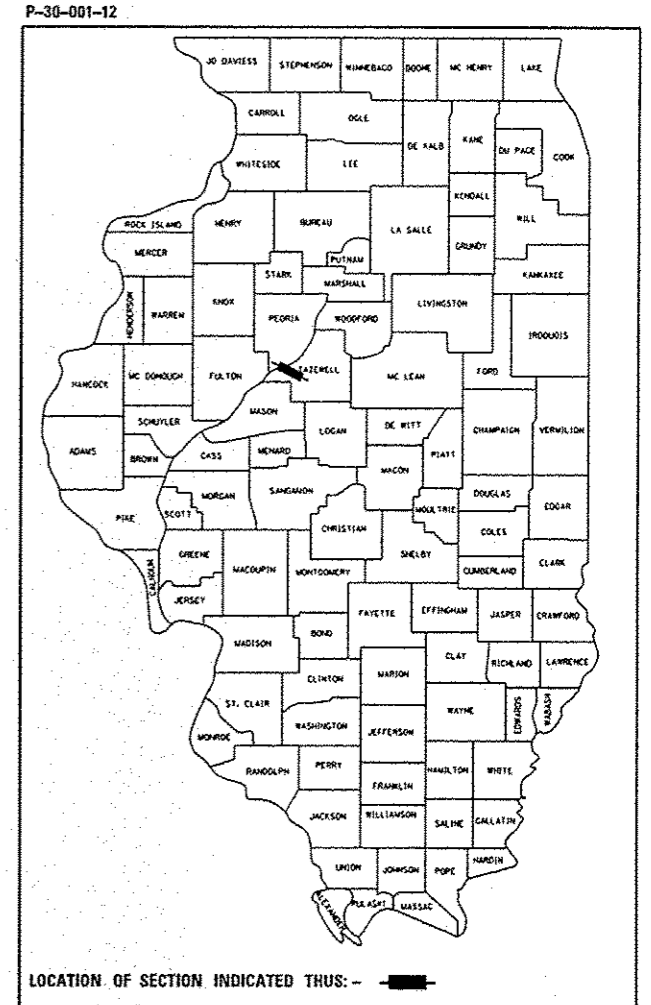
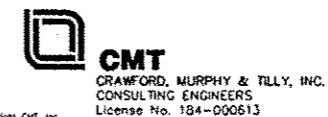


LOCATION MAP

GROSS LENGTH OF PROJECT = 120.00 FT. (0.0023 MILES)



SIGNATURE: *James M. Michalec*
DATE SIGNED: 2/5/2013
LICENSE EXPIRATION DATE: 11/30/2013



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *March 22 20 13*
William R. Frey, Jr.
DEPUTY DIRECTOR OF HIGHWAYS DESIGN ENGINEER

March 22 20 13
John D. Baranzelli, P.E., Jr.
ENGINEER OF DESIGN AND ENVIRONMENT

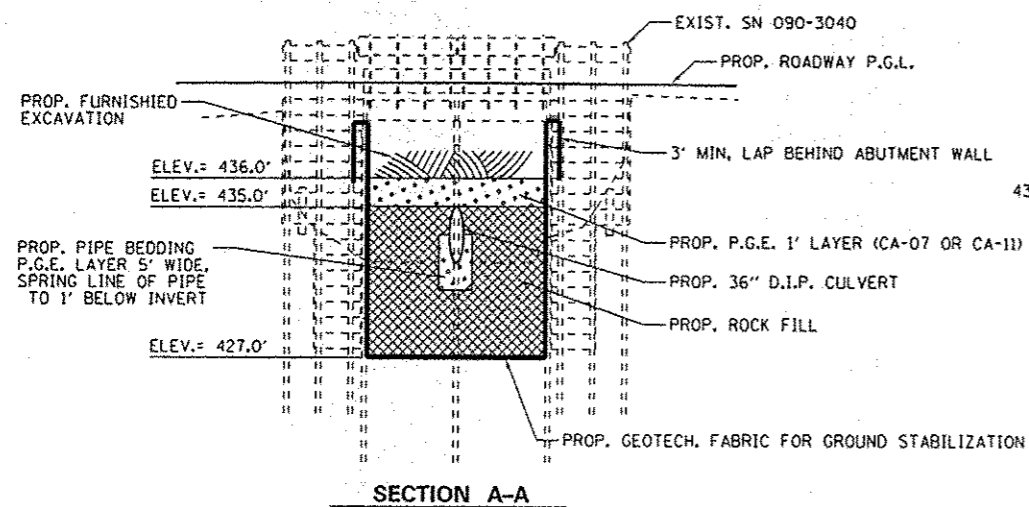
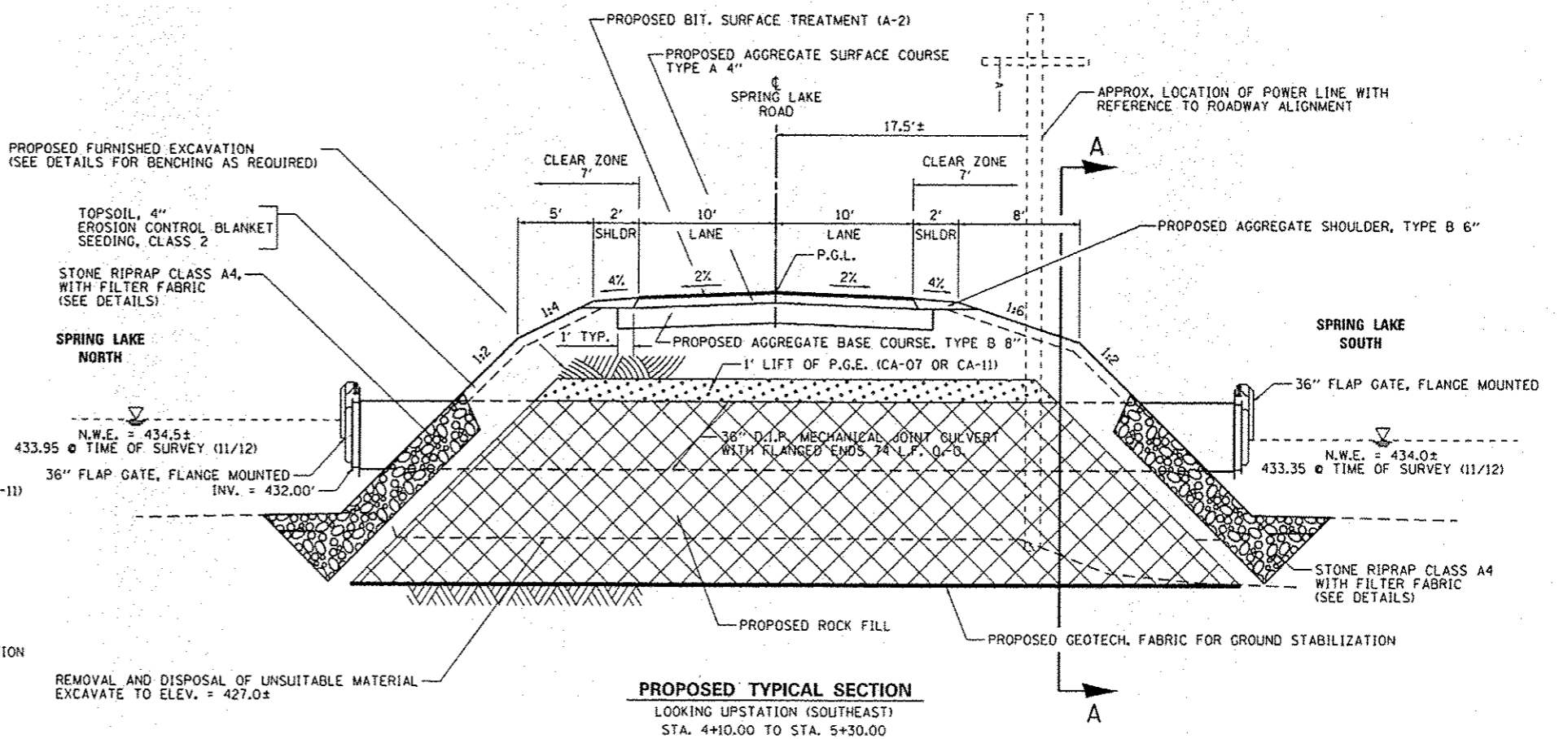
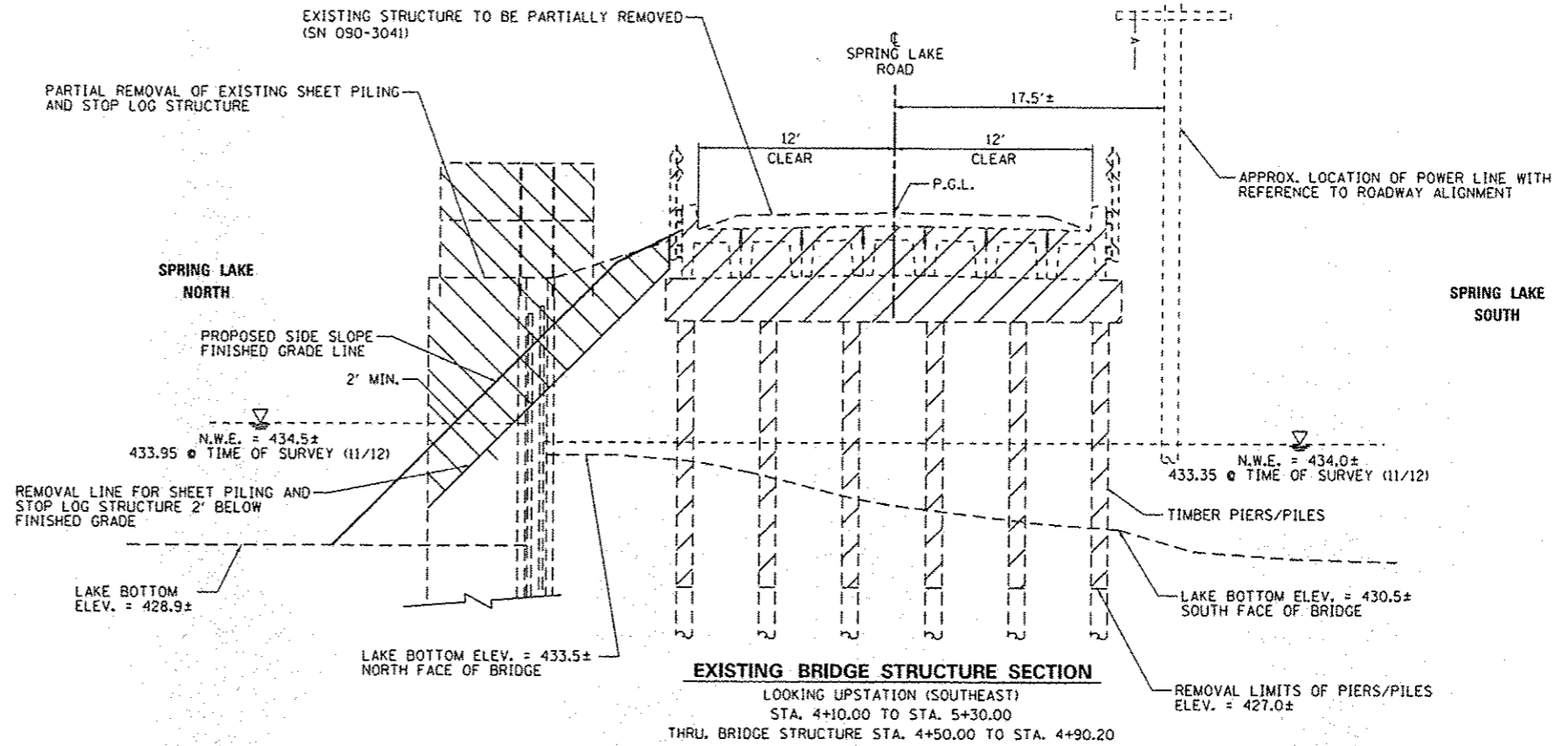
March 22 20 13
Omer Osman, P.E., Jr.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

GENERAL NOTES:

- UNLESS MODIFIED BY THE PROJECT SPECIFICATIONS, ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION ON JAN. 1, 2012; THE LATEST ADDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS", AND THE "SUPPLEMENTAL SPECIFICATIONS AND RECURRING SPECIAL PROVISIONS" ADOPTED JAN. 1, 2013.
- THE CONTRACTOR SHALL TAKE REASONABLE PRECAUTIONS TO PROTECT PUBLIC AND PRIVATE PROPERTY. IF AT ANY TIME, HE/SHE DAMAGES OR DESTROYS PUBLIC OR PRIVATE PROPERTY, THE CONTRACTOR SHALL, AT HIS OWN EXPENSE, RESTORE SUCH PROPERTY TO A CONDITION EQUAL TO THAT EXISTING BEFORE SUCH DAMAGE. PUBLIC ROADWAYS, PRIVATE ENTRANCES AND EMPLOYEE ENTRANCES SHALL REMAIN ACCESSIBLE AND FREE OF CONSTRUCTION DEBRIS. ANY MATERIAL TO BE STAGED OR STOCKPILED SHALL BE COORDINATED WITH THE OWNER'S REPRESENTATIVE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL CONTACT JULIE AT LEAST 48 HOURS PRIOR TO EXCAVATION TO DETERMINE WHICH UTILITIES ARE IN THE AREA.
- GRADING SHALL BE DONE BY HAND AROUND LIGHT POLES, UTILITY POLES, SIGN POSTS, SHRUBS, TREES OR OTHER NATURAL OR MAN-MADE OBJECTS WHERE SHALLOW FILLS OR CUTS ARE ADJACENT TO THE ITEMS. IT IS THE INTENT THAT THE LIMITS OF CONSTRUCTION BE SUCH AS TO PRESERVE IN THE ORIGINAL STATE AS MUCH AREA AS POSSIBLE. THE DECISION AS TO ITEMS TO REMAIN IN PLACE SHALL BE DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE PER CUBIC YARD FOR EARTH EXCAVATION (WIDENING), AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- PLAN DIMENSIONS AND DETAILS RELATIVE TO EXISTING PLANS ARE SUBJECT TO NOMINAL CONSTRUCTION VARIATIONS. THE CONTRACTOR SHALL FIELD VERIFY EXISTING DIMENSIONS AND DETAILS AFFECTING NEW CONSTRUCTION AND MAKE NECESSARY APPROVED ADJUSTMENTS PRIOR TO CONSTRUCTION OR ORDERING OF MATERIALS. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION FOR A CHANGE IN SCOPE OF WORK; HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
- THE FOLLOWING RATES OF APPLICATION HAVE BEEN USED IN CALCULATING PLAN QUANTITIES:

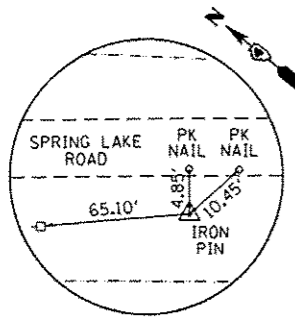
GRANULAR MATERIALS	2.05 TONS / CU YD (PUGGED)
STONE RIPRAP / ROCK FILL	1.89 TONS / CU YD (NON-PUGGED)
	1.50 TONS / CU YD
- THE CONTRACTOR WILL NOT BE ALLOWED TO SET UP A YARD OR FIELD OFFICE ON STATE PROPERTY WITHOUT WRITTEN PERMISSION FROM THE DEPARTMENT.
- THE CONTRACTOR SHALL NOTIFY THE ENGINEER AND ILLINOIS DEPARTMENT OF NATURAL RESOURCES SPRING LAKE SITE SUPERINTENDENT STAN WEIMER, AT PHONE NUMBER 309-968-7315 AT LEAST TWO WEEKS IN ADVANCE OF MOVING EQUIPMENT, MATERIALS, OR WORK FORCES TO THE SITE.
- WHERE PROPOSED CONSTRUCTION ABUTS EXISTING APPURTENCES, A SAW CUT SHALL BE MADE TO ACHIEVE A NEAT CONSTRUCTION JOINT. SAW CUTTING WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE UNIT PRICE FOR THE ITEM BEING CONSTRUCTED.
- SEEDING SHALL BE DONE ON ALL AREAS THAT ARE DISTURBED BY CONSTRUCTION OPERATIONS AS DIRECTED BY THE ENGINEER. SEEDING SHALL BE PAID FOR ONLY WITHIN THE PROPOSED CONSTRUCTION LIMITS. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEED, AS DIRECTED BY THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
- WHERE SECTION OR SUB-SECTION CORNERS OR PROPERTY MARKERS ARE ENCOUNTERED THE ENGINEER SHALL BE NOTIFIED BEFORE SUCH MARKERS ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS WITNESSED OR REFERENCED THEIR LOCATION.
- ANY REFERENCE WITHIN THESE PLANS TO A STANDARD SHALL BE INTERPRETED TO MEAN THE EDITION INDICATED BY THE SUB-NUMBER LISTED ON THIS SHEET OR THE COPY INCLUDED IN THESE PLANS.



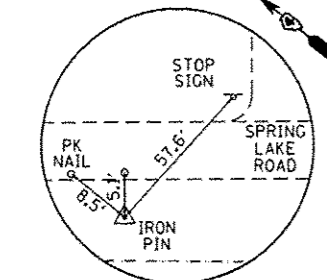
FILE NAME	USER NAME = Jim Michael	DESIGNED - CWW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES, TYPICAL SECTION & PAVEMENT STRUCTURE SPRING LAKE STATE PARK				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
C:\1007\1186610\WD-14\Draw\CADD\Sheets\022-WD-14-CN-TYPICAL.dgn	DRAWN - RAH	REVISED -			459	PARK ROADS	TAZEWELL	10	2				
PLOT SCALE = 10.0000 / 1in.	CHECKED - JMM	REVISED -			CONTRACT NO. 46261								
PLOT DATE = 2/4/2013	DATE - FEBRUARY 2013	REVISED -			ILLINOIS FED. AID PROJECT								

SUMMARY OF QUANTITIES		CONSTRUCTION CODE	
		0011	
CODE NO.	ITEM DESCRIPTION	UNIT	100% STATE TOTAL QUANTITY
20200100	EARTH EXCAVATION	CU YD	44
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	323
20400800	FURNISHED EXCAVATION	CU YD	358
20700110	POROUS GRANULAR EMBANKMENT	TON	126.0
21001000	GEOTECHNICAL FABRIC FOR GROUND STABILIZATION	SQ YD	489
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	642.0
25000200	SEEDING, CLASS 2	ACRE	0.25
25100630	EROSION CONTROL BLANKET	SQ YD	642
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	25
28000400	PERIMETER EROSION BARRIER	FOOT	535
28100107	STONE RIPRAP, CLASS A4	SQ YD	733
28200200	FILTER FABRIC	SQ YD	733
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	293
40200300	AGGREGATE SURFACE COURSE, TYPE A 4"	SQ YD	267

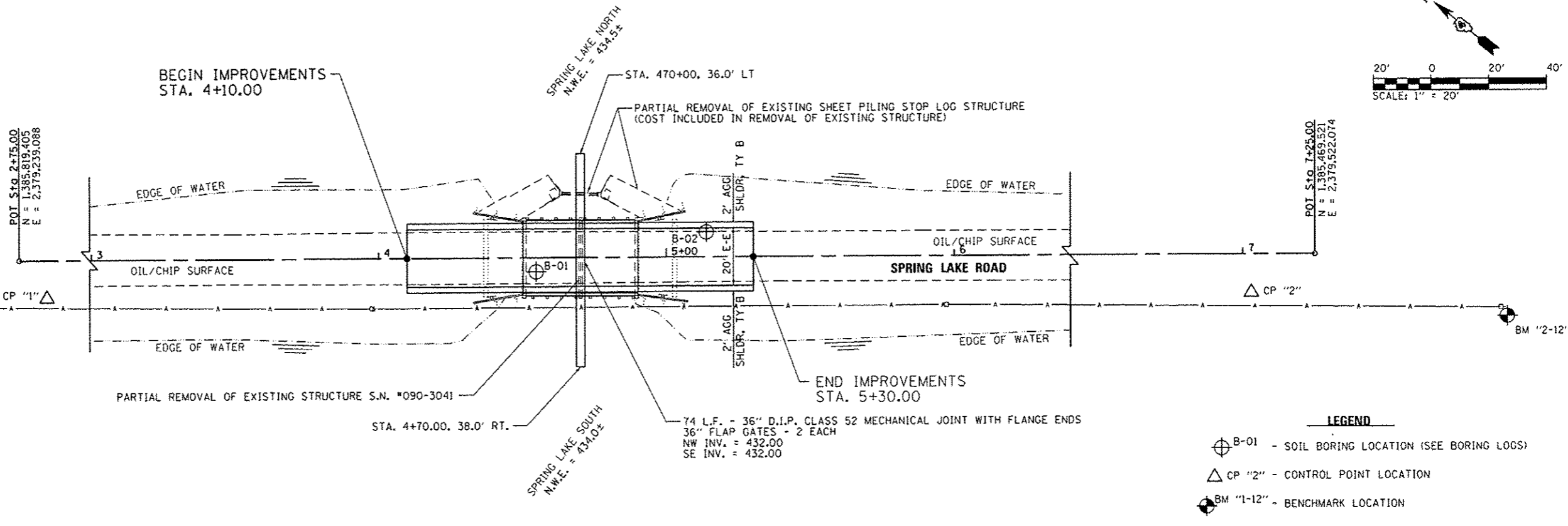
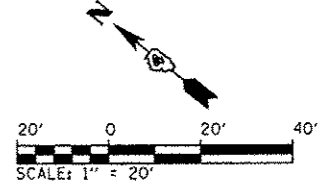
SUMMARY OF QUANTITIES		CONSTRUCTION CODE	
		0011	
CODE NO.	ITEM DESCRIPTION	UNIT	100% STATE TOTAL QUANTITY
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	150
40300300	BITUMINOUS MATERIALS (COVER AND SEAL COATS)	GALLON	267
40300500	COVER COAT AGGREGATE	TON	3
40300600	SEAL COAT AGGREGATE	TON	3
48101200	AGGREGATE SHOULDERS, TYPE B	TON	25
50100100	REMOVAL OF EXISTING STRUCTURES	EACH	1
54205071	PIPE CULVERTS, SPECIAL 36"	FOOT	74
60801036	FLAP GATE 36"	EACH	2
67100100	MOBILIZATION	L SUM	1
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
Z0023201	SEDIMENT CONTROL, SILT CURTAIN	EACH	2
Z0054500	ROCK FILL	TON	874



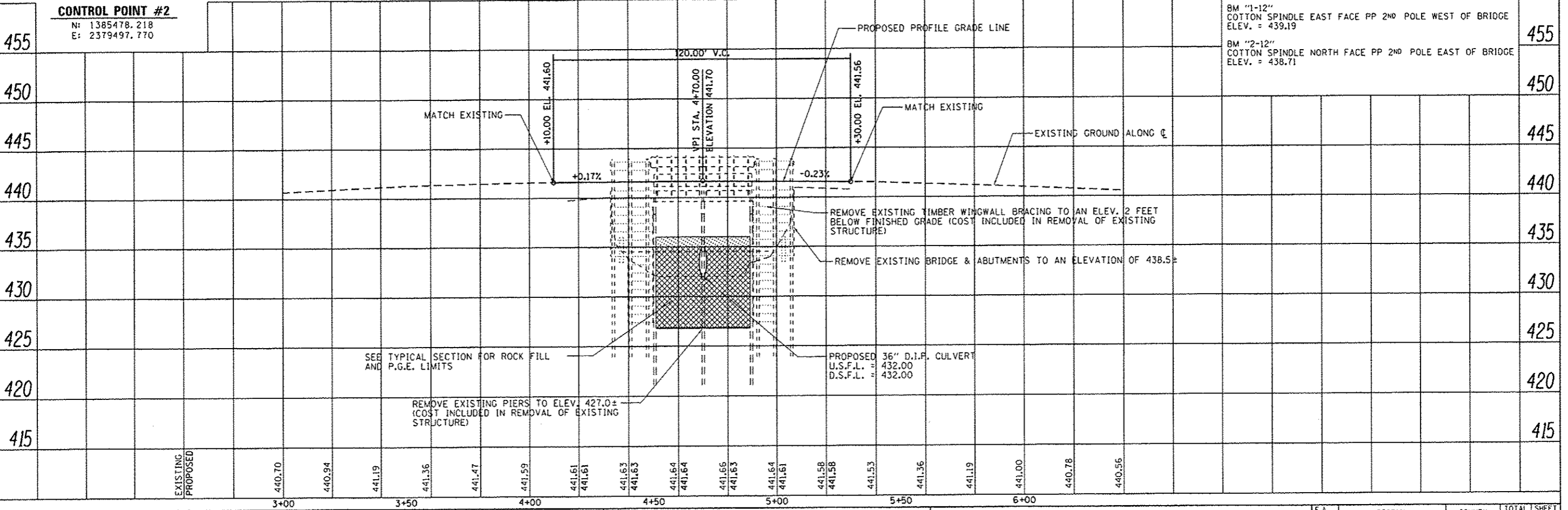
CONTROL POINT #1
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 E: 2379234.848



CONTROL POINT #2
 N: 1385478.218
 E: 2379497.770



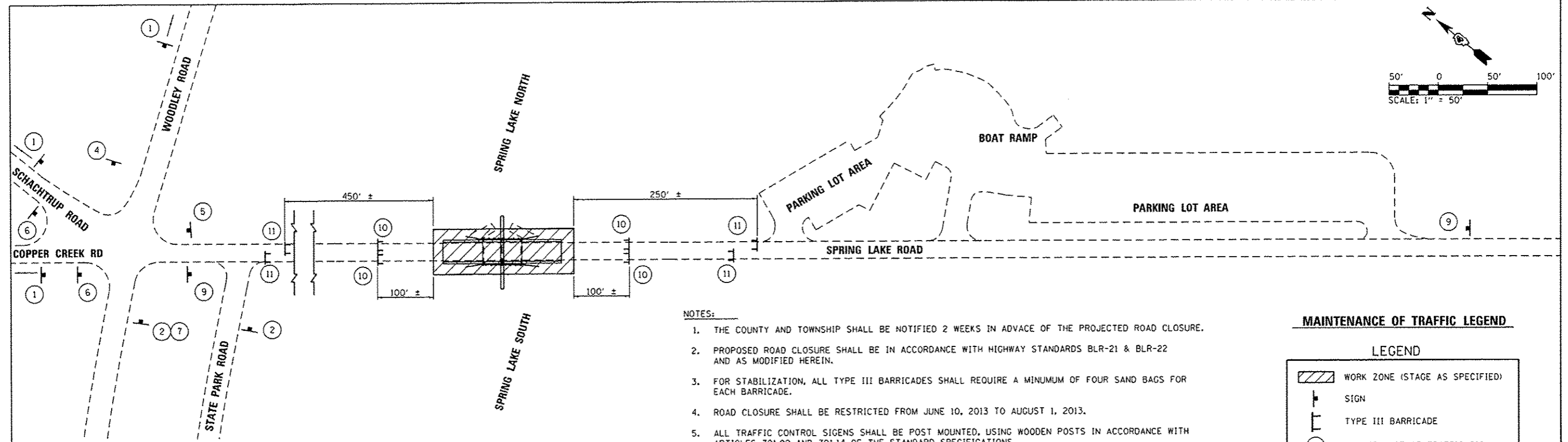
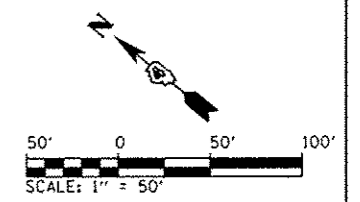
- LEGEND**
- ⊕ B-01 - SOIL BORING LOCATION (SEE BORING LOGS)
 - △ CP "2" - CONTROL POINT LOCATION
 - ⊕ BM "1-12" - BENCHMARK LOCATION



FILE NAME	USER NAME = Jim Michael	DESIGNED - CJW	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE SPRING LAKE STATE PARK				F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
LD:\1001\11806\B\W0.14\Draw\CADD_Sheets\08	WD-14_sht-PNP.dgn	DRAWN - RAH	REVISED -		459	PARK ROADS	TAZEWELL	10	4				
Default	PLDT SCALE = 48.0000 / in.	CHECKED - JMM	REVISED -		SCALE: SHEET OF SHEETS STA. 4+10.00 TO STA. 5+15.20				CONTRACT NO.				
	PLDT DATE = 2/4/2013	DATE - FEBRUARY 2013	REVISED -		ILLINOIS FED. AID PROJECT								

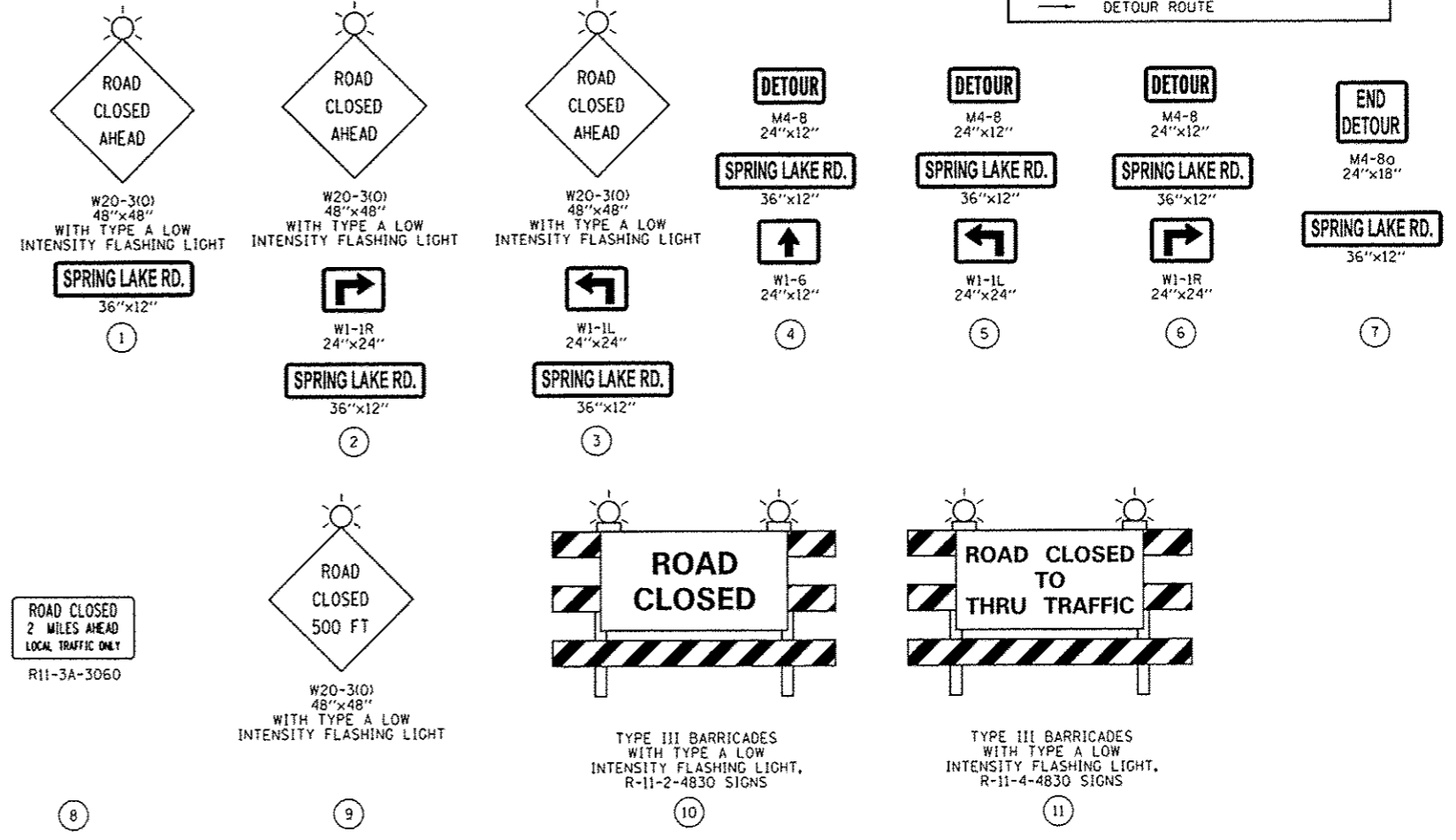
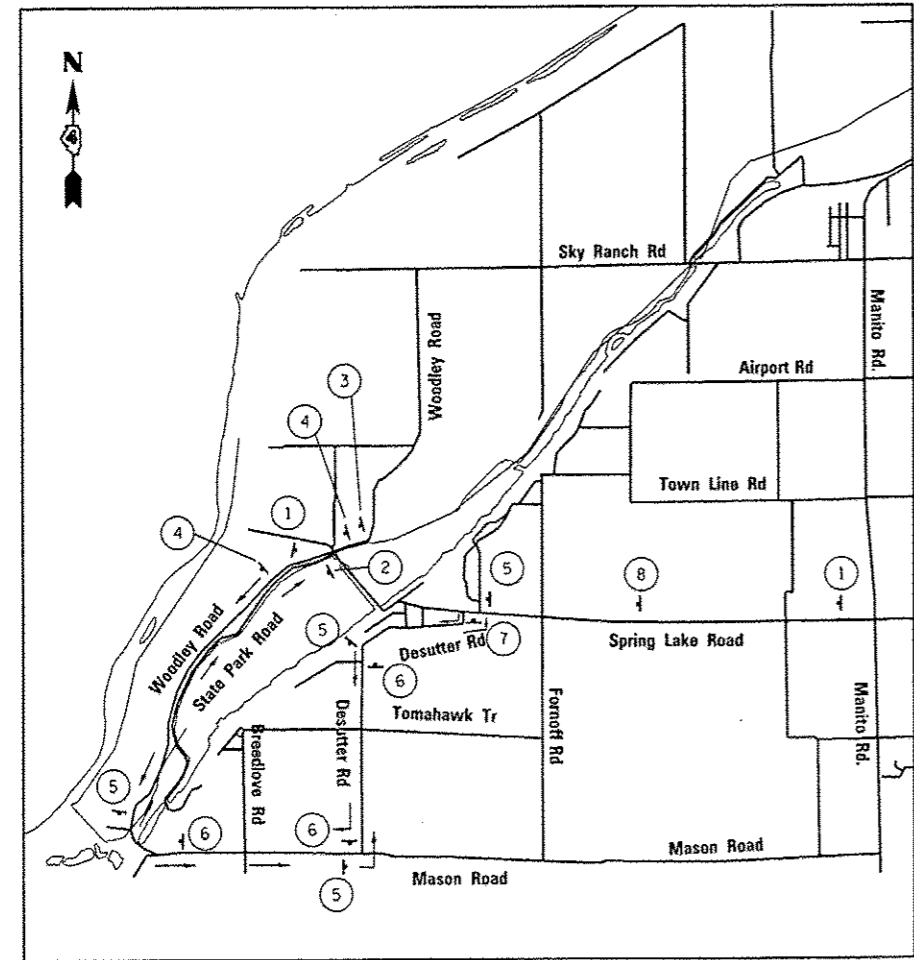
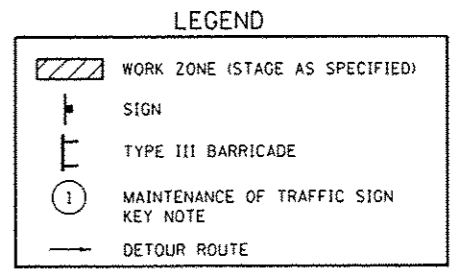
DATE	
BT	
REVISED	
PLDT CHECKED	
NOTE BOOK	
NO.	
STRUCTURE NOTING CPTD	

DATE	
BT	
REVISED	
PLDT CHECKED	
NOTE BOOK	
NO.	
STRUCTURE NOTING CPTD	



- NOTES:**
1. THE COUNTY AND TOWNSHIP SHALL BE NOTIFIED 2 WEEKS IN ADVANCE OF THE PROJECTED ROAD CLOSURE.
 2. PROPOSED ROAD CLOSURE SHALL BE IN ACCORDANCE WITH HIGHWAY STANDARDS BLR-21 & BLR-22 AND AS MODIFIED HEREIN.
 3. FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF FOUR SAND BAGS FOR EACH BARRICADE.
 4. ROAD CLOSURE SHALL BE RESTRICTED FROM JUNE 10, 2013 TO AUGUST 1, 2013.
 5. ALL TRAFFIC CONTROL SIGNS SHALL BE POST MOUNTED, USING WOODEN POSTS IN ACCORDANCE WITH ARTICLES 701.02 AND 701.14 OF THE STANDARD SPECIFICATIONS.

MAINTENANCE OF TRAFFIC LEGEND

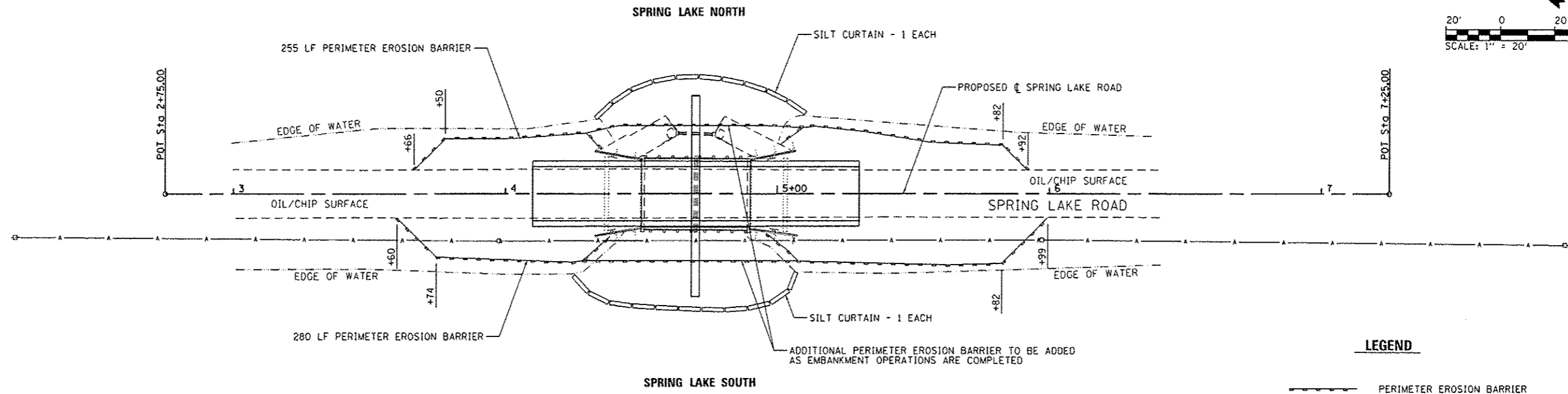
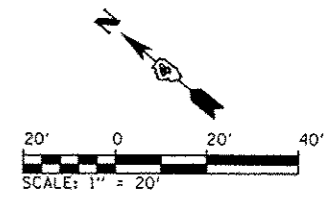


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PLOT SCALE : 1/8" = 100' @ 11"	CHECKED - JMM	DATE - FEBRUARY 2013	REVISED -
PLOT DATE : 2/4/2013			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CONSTRUCTION STAGING AND TRAFFIC CONTROL
SPRING LAKE STATE PARK**

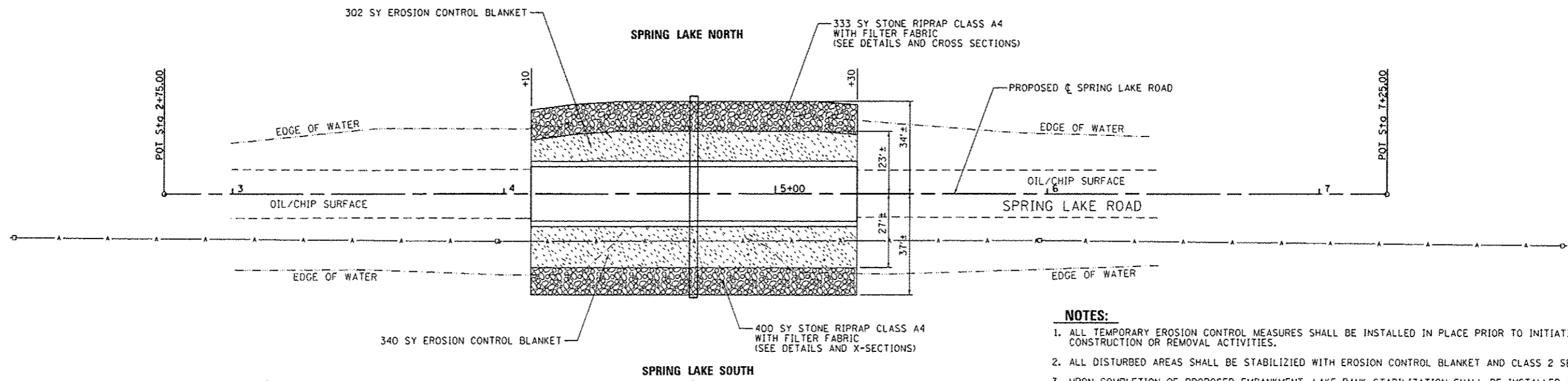
F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
459	PARK ROADS	TAZEWELL	10	5
CONTRACT NO. 46261				
ILLINOIS FED. AID PROJECT				



LEGEND

- PERIMETER EROSION BARRIER
- SEDIMENT CONTROL, SILT CURTAIN
- STONE RIPRAP CLASS A4 WITH FILTER FABRIC
- EROSION CONTROL BLANKET AND SEEDING, CLASS 2

TEMPORARY EROSION CONTROL MEASURES

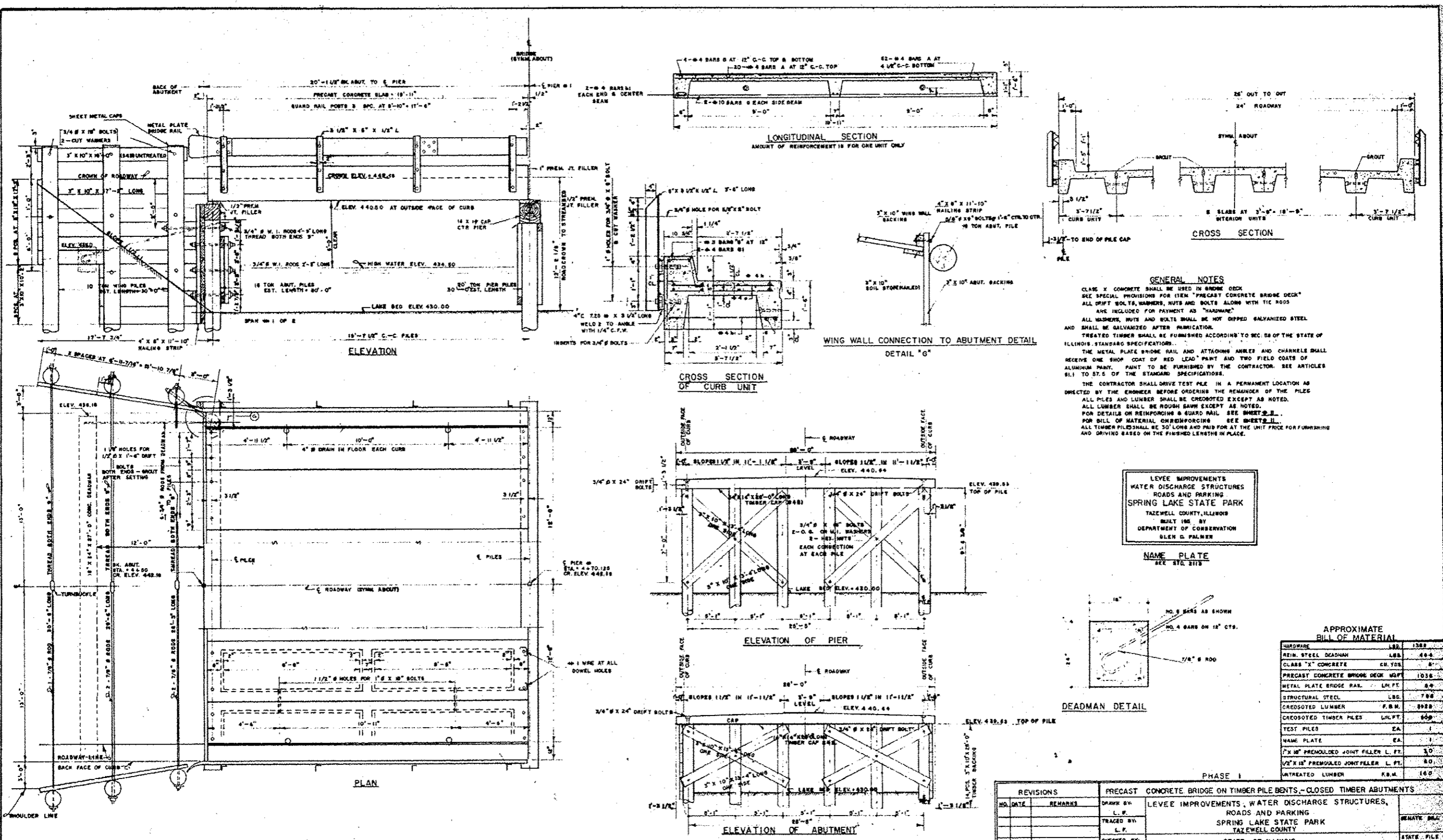


NOTES:

1. ALL TEMPORARY EROSION CONTROL MEASURES SHALL BE INSTALLED IN PLACE PRIOR TO INITIATING CONSTRUCTION OR REMOVAL ACTIVITIES.
2. ALL DISTURBED AREAS SHALL BE STABILIZED WITH EROSION CONTROL BLANKET AND CLASS 2 SEEDING.
3. UPON COMPLETION OF PROPOSED EMBANKMENT, LAKE BANK STABILIZATION SHALL BE INSTALLED IN ACCORDANCE WITH THE ROADWAY TYPICAL SECTION AND DETAILS.
4. ALL EXCAVATION REQUIRED FOR THE PLACEMENT OF RIPRAP SHALL BE INCLUDED IN THE COST FOR STONE RIPRAP.

PERMANENT EROSION CONTROL MEASURES

FILE NAME : L:\1007\1106618\14ND\01\CA00_Sheets\16_WD-14_sht-Erosion\SWPPP.dgn PLOT SCALE = 48,0000 1/1 in. PLOT DATE = 2/4/2013	USER NAME : Jim Michael DESIGNED - CJW DRAWN - RAH CHECKED - JMM DATE - FEBRUARY 2013	REVISED - REVISED - REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL PLAN SPRING LAKE STATE PARK	F.A. RTE. 459 SECTION PARK ROADS COUNTY TAZEWELL TOTAL SHEETS 10 SHEET NO. 6 CONTRACT NO. 46261 <small>ILLINOIS FED. AID PROJECT</small>
	SCALE: AS NOTED SHEET NO. OF SHEETS STA. TO STA.				

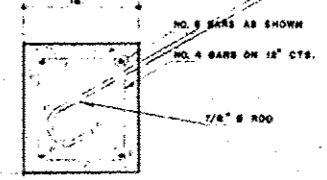


GENERAL NOTES

CLASS X CONCRETE SHALL BE USED IN BRIDGE DECK. SEE SPECIAL PROVISIONS FOR ITEM "PRECAST CONCRETE BRIDGE DECK". ALL DRIFT BOLTS, WASHERS, NUTS AND BOLTS ALONG WITH TIC RODS ARE INCLUDED FOR PAYMENT AS "HARDWARE". ALL WASHERS, NUTS AND BOLTS SHALL BE HOT DIPPED GALVANIZED STEEL AND SHALL BE GALVANIZED AFTER FABRICATION. TREATED TIMBER SHALL BE FURNISHED ACCORDING TO SEC. 85 OF THE STATE OF ILLINOIS STANDARD SPECIFICATIONS. THE METAL PLATE BRIDGE RAIL AND ATTACHING ANKLES AND CHANNELS SHALL RECEIVE ONE SHOP COAT OF RED LEAD PAINT AND TWO FIELD COATS OF ALUMINUM PAINT. PAINT TO BE FURNISHED BY THE CONTRACTOR. SEE ARTICLES 81.1 TO 87.5 OF THE STANDARD SPECIFICATIONS. THE CONTRACTOR SHALL DRIVE TEST PILE IN A PERMANENT LOCATION AS DIRECTED BY THE ENGINEER BEFORE ORDERING THE REMAINDER OF THE PILES. ALL PILES AND LUMBER SHALL BE CRODOTTED EXCEPT AS NOTED. ALL LUMBER SHALL BE ROUGH BAWM EXCEPT AS NOTED. FOR DETAILS ON REINFORCING & GUARD RAIL SEE SHEET 8. FOR BILL OF MATERIAL ON REINFORCING SEE SHEET 9. ALL TIMBER PILES SHALL BE 30' LONG AND PAID FOR AT THE UNIT PRICE FOR FURNISHING AND DRIVING BASED ON THE FINISHED LENGTH IN PLACE.

LEVEE IMPROVEMENTS
WATER DISCHARGE STRUCTURES
ROADS AND PARKING
SPRING LAKE STATE PARK
TAZEWELL COUNTY, ILLINOIS
BUILT 1965 BY
DEPARTMENT OF CONSERVATION
OLEN D. PALMER

NAME PLATE
SEE STD. 2118



DEADMAN DETAIL

APPROXIMATE BILL OF MATERIAL

ITEM	QTY	UNIT	PRICE
HARDWARE	1582	LB	1.50
REIN. STEEL DECKING	484	LB	4.00
CLASS "X" CONCRETE	28,703	CU. YDS.	8.00
PRECAST CONCRETE BRIDGE DECK	1038	SQ. FT.	1.00
METAL PLATE BRIDGE RAIL	64	LN. FT.	6.00
STRUCTURAL STEEL	780	LB	1.50
CRODOTTED LUMBER	8928	F.B.M.	1.00
CRODOTTED TIMBER PILES	60	LN. FT.	60.00
TEST PILES	EA.		1.00
NAME PLATE	EA.		1.00
1" X 10" PREMOULDED JOINT FILLER	10	LN. FT.	3.00
1/2" X 10" PREMOULDED JOINT FILLER	10	LN. FT.	3.00
UNTREATED LUMBER	160	F.B.M.	1.00

EXISTING PLANS "FOR INFORMATION ONLY"

NOTE: RECORD DRAWINGS DO NOT INCLUDE EXISTING SHEET PILING AND TIMBER STOP LOG STRUCTURE.

LOADING H15-44

FILE NAME: L:\1001\1186610\10\14\NO-CAD\00_Sheets\107-WD-14-Structure-Record Drawing.dgn	USER NAME: Jim Michael	DESIGNED: CJW	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STRUCTURAL - RECORD DRAWING SPRING LAKE STATE PARK	F.A. RTE. 459	SECTION PARK ROADS	COUNTY TAZEWELL	TOTAL SHEETS 10	SHEET NO. 7	CONTRACT NO. 46261
PLOT SCALE: 1/8" = 1'-0"	CHECKED: JMM	DATE: FEBRUARY 2013	REVISED:	SCALE: N.T.S.	SHEET NO. OF SHEETS STA. TO STA.	ILLINOIS FED. AID PROJECT					



SOIL BORING LOG

ROUTE _____ DESCRIPTION Spring Lake Causeway Bridge Replacement LOGGED BY T. Fehl

SECTION IDNR LOCATION Tazewell County, SEC. 3, TWP. T23N, RNG. R7W,
Latitude _____ Longitude _____

COUNTY Tazewell DRILLING METHOD Hollow-Stem Augers HAMMER TYPE Automatic

STRUCT. NO. 090-3041 DEPTH (ft) (ft) (ft) (ft)
Station 4+70 SURFACE WATER ELEV. 433.40 ft
Stream Bed Elev. 429.60 ft
BORING NO. B-01 GROUNDWATER ELEV.:
Station 4+54 First Encounter 433.6 ft
Offset 2.9 ft Right Upon Completion 433.6 ft
Ground Surface Elev. 441.61 ft After _____ Hrs.

DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	
441.07	440.83	419.61	417.11	414.61	412.11	409.81	407.61	424.61	424.61	
BITUMINOUS CONCRETE (6.5')	PORTLAND CEMENT CONCRETE (11.5')	Soft To Very Soft, Black ORGANIC SILTY CLAY (continued) DD = 62 PCF	Loose, Gray, Fine- To Medium-Grained SAND	Medium-Density, Gray, Fine- To Medium-Grained SAND	Medium-Density, Gray-Brown, Medium-Grained SAND With Occasional Fine-Grained Gravel	Medium-Density, Gray, Fine- To Coarse-Grained GRAVEL With Considerable Medium- To Coarse-Grained Sand And Silty Clay	Very Soft, Dark Gray SILTY CLAY with Some Organic Matter	Hard, Dark Gray CLAY SHALE	End of Boring	Soft To Very Soft, Black ORGANIC SILTY CLAY DD = 71 PCF

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, form 137 (Rev. 8-99)



SOIL BORING LOG

ROUTE _____ DESCRIPTION Spring Lake Causeway Bridge Replacement LOGGED BY T. Fehl

SECTION IDNR LOCATION Tazewell County, SEC. 3, TWP. T23N, RNG. R7W,
Latitude _____ Longitude _____

COUNTY Tazewell DRILLING METHOD Hollow-Stem Augers HAMMER TYPE Automatic

STRUCT. NO. 090-3041 DEPTH (ft) (ft) (ft) (ft)
Station 4+70 SURFACE WATER ELEV. _____ ft
Stream Bed Elev. _____ ft
BORING NO. B-02 GROUNDWATER ELEV.:
Station 5+14 First Encounter 431.8 ft
Offset 8.6 ft Left Upon Completion 431.1 ft
Ground Surface Elev. 441.33 ft After _____ Hrs.

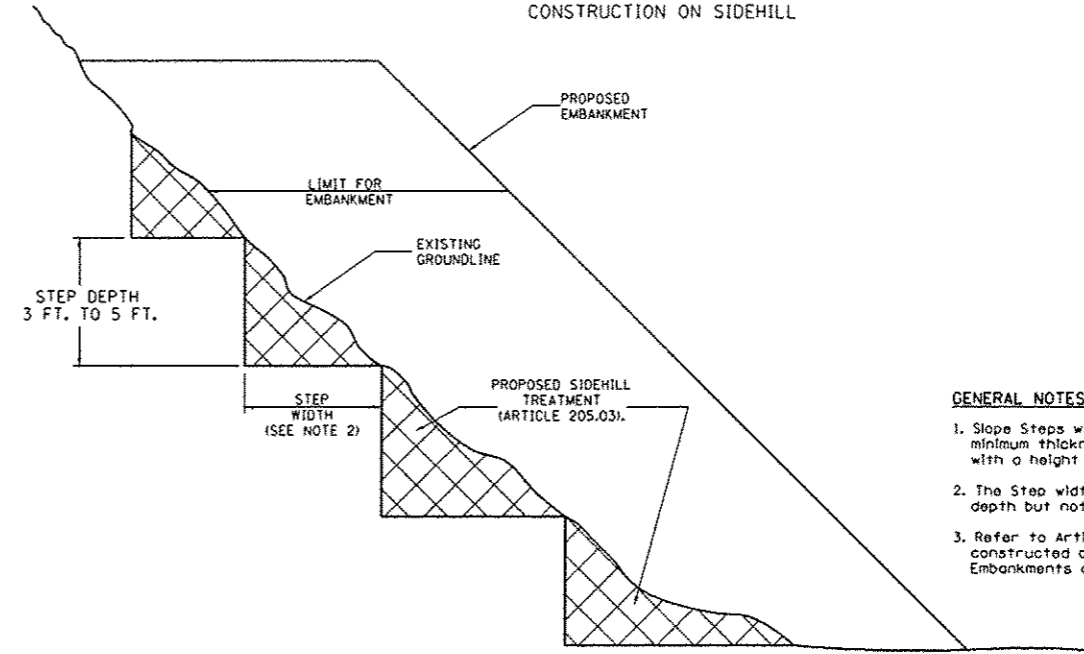
DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	DEPTH (ft)	
441.21	440.83	418.83	418.83	414.83	412.33	409.83	407.33	421.33	421.33	
OIL & CHIP (1.5')	Brown, SANDY CLAY With Some Fine-Grained Gravel (6.0')	Stiff, Dark Gray SILTY CLAY With Some Crushed Limestone (Fill)	Loose, Gray, Fine- To Medium-Grained SAND	Stiff, Dark Brown CLAY With Some Coarse-Grained Sand (Fill)	Medium-Density, Gray, Fine- To Medium-Grained SAND	Medium-Density, Gray, Fine- To Medium-Grained SAND With Some Silty Clay	Medium-Density, Gray-Brown, Fine- To Coarse-Grained GRAVEL With Considerable Medium- To Coarse-Grained Sand And Silty Clay	Soft, Dark Gray SILTY CLAY With Some Organic Matter	Hard, Dark Gray CLAY SHALE	Very Soft, Black ORGANIC SILTY CLAY LOAM

The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)


BBS, form 137 (Rev. 8-99)

FILE NAME: L:\DOTS\118661\WD\14\DWG\CADD_Sheets\090-3041-14_Soil Borings.dgn	USER NAME: Jim Michael	DESIGNED: CJW	REVISED:	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SECTION: PARK ROADS	COUNTY: TAZEWELL	TOTAL SHEETS: 10	SHEET NO.: 8	CONTRACT NO.: 46261
PLOT SCALE: 68.0000' / 1"	CHECKED: JMM	DATE: FEBRUARY 2013	REVISED:	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	ILLINOIS FED. AID PROJECT		

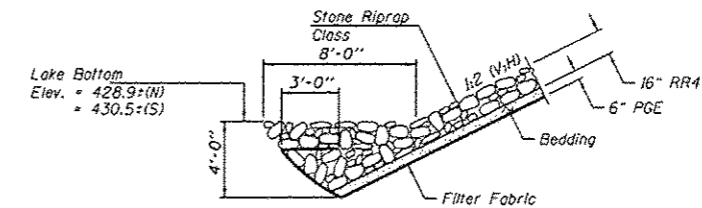
SLOPE STEPS DETAIL
TYPICAL CROSS-SECTION EMBANKMENT
CONSTRUCTION ON SIDEHILL



- GENERAL NOTES:**
- Slope Steps will be required for all 12(300) minimum thickness "silver fills" and on a fills with a height of 10'(3.0m).
 - The Step width shall be twice the Step depth but not less than 6 feet.
 - Refer to Article 205.03 for Embankment to be constructed on Hillside or Slopes, or if existing Embankments are to be widened.

REPLACEMENT MATERIAL:
 STANDARD EMBANKMENT
 (IN ACCORDANCE WITH
 205 OF THE STANDARD SPECIFICATION).

All dimensions are in inches millimeters unless otherwise noted.
 CAD: STD_200001-01



RIPRAP WITH FILTER FABRIC DETAIL

Note: All Excavation required for placement of Riprap shall be included in the cost for Stone Riprap.

FILE NAME =	USER NAME = Jim Michael	DESIGNED - CJW	REVISED -
L:\ADOT\118653\W014\0\CA\CA00_Sheets\099.WD-14.Misc_Details.dgn		DRAWN - RAH	REVISED -
	PLOT SCALE = 100.0000' / 1" =	CHECKED - JMM	REVISED -
	PLOT DATE = 2/4/2013	DATE - FEBRUARY 2013	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

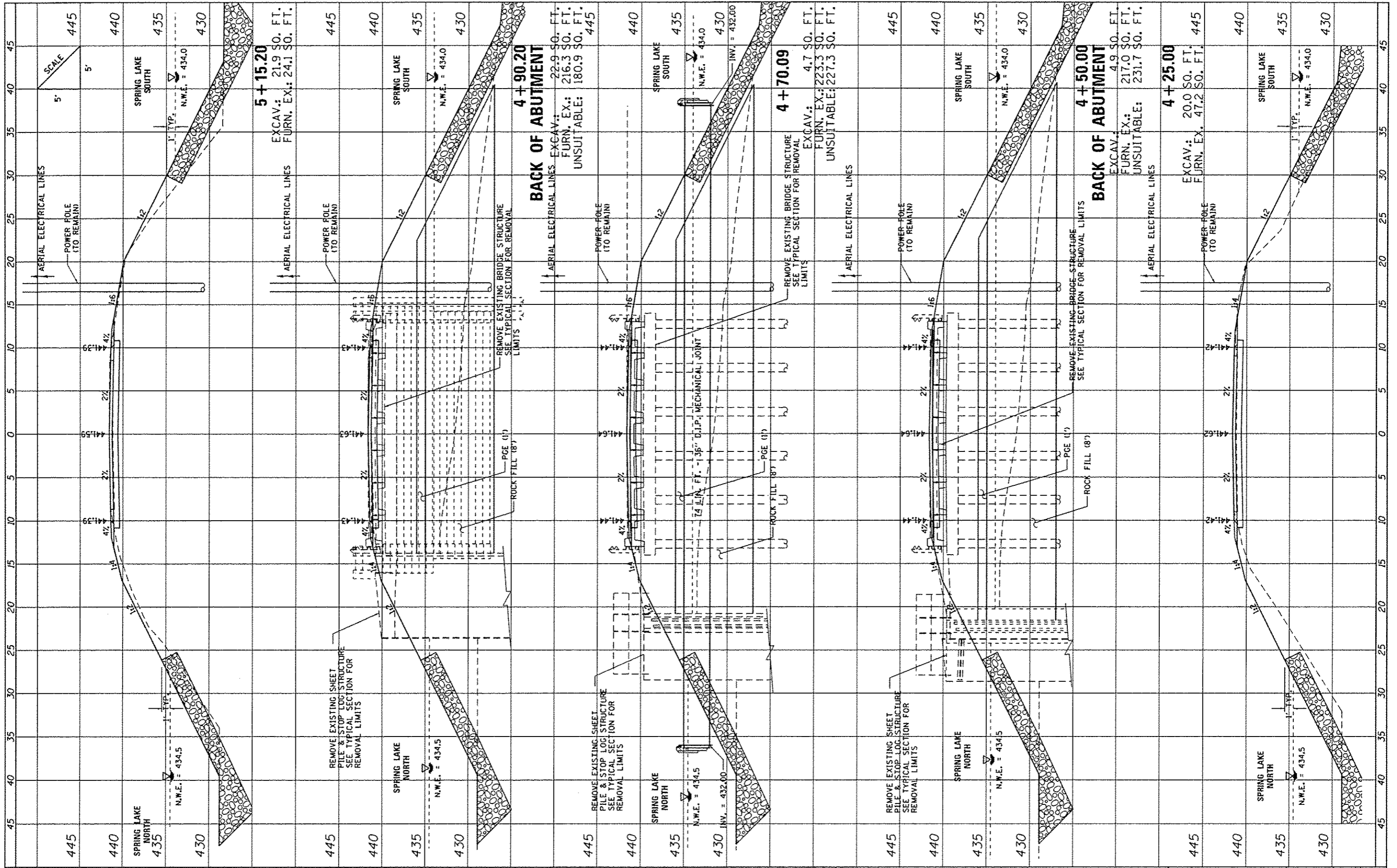
MISCELLANEOUS DETAILS
SPRING LAKE STATE PARK

SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
459	PARK ROADS	TAZEWELL	10	9
ILLINOIS FED. AID PROJECT			CONTRACT NO. 46261	

FINAL SURVEY	BY	DATE
CONVERTED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		

ORIGINAL SURVEY	BY	DATE
CONVERTED		
PLOTTED		
TEMPLATE		
NOTE BOOK		
AREAS CHECKED		
NO.		



FILE NAME =	USER NAME = Jim Michael	DESIGNED - C.J.W.	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS SPRING LAKE STATE PARK		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
L:\1007\1186618\WD_1410-00\CADD_Sheets\018.WD-1	-sh1-XSEC.dgn	DRAWN - RAH	REVISED -		SCALE:	SHEET	OF	SHEETS	STA. 4+25.00	TO STA. 5+15.20	ILLINOIS FED. AID PROJECT	
Defaults	PLOT SCALE = 10.0000 / 1 in.	CHECKED - JMM	REVISED -									
	PLOT DATE = 2/4/2013	DATE - FEBRUARY 2013	REVISED -									
											CONTRACT NO. 46261	