

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	1
		ILLINOIS	CONTRACT NO. 93537	

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- BLR 23-3 TRAFFIC BARRIER TERMINAL TYPE 1

ROADWAY CLASS:

URBAN - MINOR ARTERIAL
 2030 ADT = 2180
 2.0% TRUCKS
 POSTED SPEED = 30 MPH

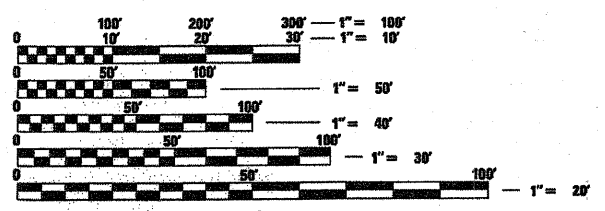
UTILITIES

ILLINOIS CONSOLIDATED COMMUNICATIONS
 1000 SOUTH SPRESSER ST.
 TAYLORVILLE, IL 62568
 ATTENTION: DOUG HOUTCHINS 217-824-9909

AMEREN IP (ELECTRIC & GAS)
 500 OLD BUS LINE ROAD
 P.O. BOX 579
 HILLSBORO, IL 62049
 ATTENTION: DEBBY LEWEY 217-532-8278

CITY OF LITCHFIELD
 WATER, SEWER AND STREET DEPT.
 120 EAST RYDER
 LITCHFIELD, IL 62056
 ATTENTION: ART LEVOY 217-324-4716

DAM PROPERTY OWNER: CITY OF LITCHFIELD



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.

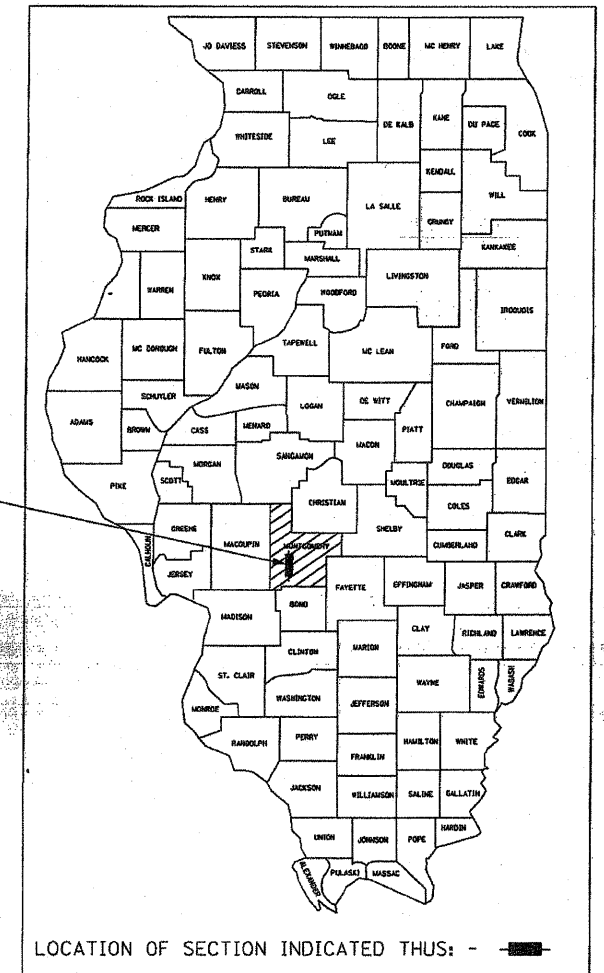
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

**STATE OF ILLINOIS
 MONTGOMERY COUNTY**

**PROPOSED PLANS
 EMERGENCY RELIEF PROGRAM**

**F.A.U. ROUTE 8243
 SECTION 09-00134-00-DR
 PROJECT ER-5039(011)**

**MONTGOMERY COUNTY
 JOB NUMBER: C-96-211-10
 NIEMANVILLE TRAIL - STRUCTURE REPAIRS
 AND WALTON LAKE DAM SPILLWAY REPLACEMENT**



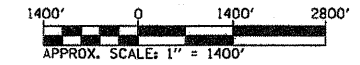
PROJECT LOCATION

LOCATION OF SECTION INDICATED THUS: - [Symbol] -



END STATION 5+51.33
 S.N. 068-3232
 CARRYING F.A.U. 8243
 OVER WALTON LAKE DAM
 STA. 1+98.33
 BEGIN STA. 0+68.00

LOCATION MAP



LENGTH OF IMPROVEMENT = 483.33 FT. = 0.092 MILE



SIGNATURE: *Kristin Timmons*
 DATE SIGNED: 3-2-2010
 LICENSE EXPIRATION DATE: 11-30-2011

APPROVED 3-3 2010
[Signature]
 COUNTY ENGINEER, MONTGOMERY COUNTY, ILLINOIS

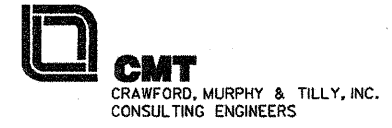
PASSED March 30 2010
[Signature]
 DISTRICT SIX ENGINEER OF LOCAL ROADS & STREETS

PASSED March 30 2010
[Signature]
 DISTRICT CONSTRUCTION ENGINEER

Releasing For Bid Based on Limited Review March 30 2010
[Signature]
 DEPUTY DIRECTOR OF HIGHWAYS, REGION FOUR ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CONTRACT NO. 93537



GENERAL NOTES

1. PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING STRUCTURE HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE CAUSE FOR ADDITIONAL COMPENSATION DUE TO A CHANGE IN THE SCOPE OF WORK. THE CONTRACTOR, HOWEVER, WILL BE PAID FOR THE ACTUAL QUANTITY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
2. THE THICKNESS OF HOT MIX ASPHALT MIXTURE SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE HOT MIX ASPHALT MIXTURE IS PLACED.
3. FACTORS USED FOR ESTIMATING PLAN QUANTITIES ARE AS FOLLOWS AND SHALL NOT BE USED FOR THE BASIS OF FINAL QUANTITIES:

ALL HOT MIX ASPHALT	112.0 POUNDS/SQ. YD./INCH
ALL AGGREGATE AND RIPRAP BEDDING	2.05 TONS/CU.YD.
BITUMINOUS MATERIALS:	
ON PAVEMENT	0.09 GAL./SQ.YD.
INTERMEDIATE LIFTS (FOG COAT)	0.04 GAL./SQ.YD.
ON AGGREGATE SURFACE	0.32 GAL./SQ.YD.
AGGREGATE (PRIME COAT)	0.0015 TONS/SQ.YD.
RIPRAP	1.50 TONS/CU.YD.
4. AT ALL LOCATIONS WHERE THE PROPOSED HOT MIX ASPHALT OR CONCRETE PAVEMENT JOINS AN EXISTING HOT MIX ASPHALT OR CONCRETE PAVEMENT, A FULL DEPTH SAWED JOINT SHALL BE CONSTRUCTED. THE COST OF THIS JOINT WILL BE INCLUDED IN THE COST OF THE TYPE OF PAVEMENT BEING CONSTRUCTED.
5. RECLAIMED ASPHALT PAVEMENT (RAP) WILL NOT BE ALLOWED FOR USE AS AGGREGATE IN AGGREGATE SHOULDERS, TYPE B.
6. STRUCTURES WITH PROJECT LIMITS

<u>STRUCTURE NO.</u>	<u>OPERATING RATING</u>	<u>INVENTORY RATING</u>	<u>POSTING</u>
S.N. 068-3232 (EXISTING SUPER-STRUCTURE TO BE REMOVED AND REPLACED)	HS 27.3	HS 20.0	40 TONS
7. THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING UTILITY PROPERTY FROM CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATION. THE J.U.L.I.E. NUMBER IS 1-800-892-0123. (811 DIRECT NUMBER)

THE LOCATION OF BURIED AND ABOVE GROUND UTILITIES SHOWN IS FOR THE CONTRACTOR'S INFORMATION ONLY AND IS NOT TO BE REFERENCED FOR CONSTRUCTION PURPOSES. THE IMPLIED PRESENCE OR ABSENCE OF UTILITIES IS NOT TO BE CONSTRUED BY THE OWNER, ENGINEER, CONTRACTOR OR SUBCONTRACTOR TO BE AN ACCURATE AND COMPLETE REPRESENTATION OF UTILITIES THAT MAY OR MAY NOT EXIST ON THE CONSTRUCTION SITE. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO COORDINATE HIS CONSTRUCTION ACTIVITIES WITH THE VARIOUS UTILITY OWNERS. ALL POTENTIAL CONFLICTS SHALL BE INVESTIGATED AND REMEDIAL ACTION TAKEN PRIOR TO INTERRUPTION OF THE CONTRACTOR'S PROGRESS.

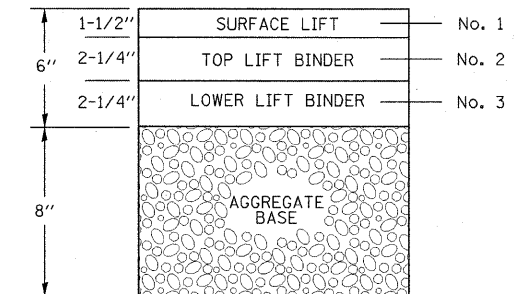
ALL UTILITY FACILITIES THAT REQUIRE RELOCATION WITHIN COUNTY R.O.W. SHALL BE COMPLETED BY THE UTILITY COMPANY UNLESS OTHERWISE SHOWN ON THE PLANS.
8. ALL STATION AND OFFSET REFERENCES ARE TO THE ROADWAY CENTERLINE UNLESS OTHERWISE NOTED. THE STATE PLANE COORDINATE SYSTEM HAS BEEN USED FOR THE HORIZONTAL CONTROL.
9. ALL ELEVATIONS SHOWN ON THE PLANS ARE BASED ON U.S.G.S. MEAN SEA LEVEL DATUM.
10. ANY REFERENCE WITHIN THESE PLANS TO A STANDARD SHALL BE INTERPRETED TO MEAN THE EDITION INDICATED BY THE SUB-NUMBER LISTED ON THE THIS SHEET OR THE COPY INCLUDED IN THESE PLANS.
11. IDNR/OWR HAS ISSUED PERMIT DS2010027 FOR CONSTRUCTION OF THIS PROJECT.
12. WHERE SECTION OR SUB-SECTION STONES OR PROPERTY MARKERS ARE ENCOUNTERED, THE ENGINEER SHALL BE NOTIFIED BEFORE STONES ARE REMOVED. THE CONTRACTOR SHALL PROTECT AND PRESERVE ALL PROPERTY MARKERS UNTIL AN AUTHORIZED SURVEYOR HAS WITNESSED THEIR LOCATION.

COMMITMENTS

NONE IDENTIFIED AS OF MARCH 1, 2010

MIXTURE REQUIREMENTS

MIXTURE NUMBER:	No. 1	No. 2	No. 3
LOCATION(S):			
MIXTURE USE(S):	HOT MIX ASPHALT SURFACE LIFT	TOP BINDER LIFT	LOWER BINDER LIFT
AC/PG:	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS:	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50	4.0% @ Ndesign = 50
MIXTURE COMPOSITION: (GRADATION MIXTURE):	IL-9.5 OR IL-12.5	IL-19.0	IL-19.0
FRICITION AGGREGATE:	MIX "C"	N/A	N/A



**NIEMANVILLE TRAIL
HOT MIX ASPHALT LIFT DIAGRAM**

STRUCTURAL DESIGN INFORMATION (NIEMANVILLE TRAIL)	
CLASS III STREET	DESIGN TRAFFIC (2020): 1786 TOTAL ADT
P.V. = 1643	S.U. = 107 M.U. = 36
T.F. = 0.1932	(80,000 LB. LOAD LIMIT)
DESIGN STRAIN = 230 (MICROSTRAIN)	
CONSTRUCT: HOT-MIX ASPHALT PAVEMENT, 6" WITH AGGREGATE BASE COURSE, TYPE A, 8"	

WALTON LAKE PEAK WATER LEVELS					
EXISTING		TEMP. DIVERSION		PROPOSED	
10 YR.	100 YR.	10 YR.	100 YR.	10 YR.	100 YR.
—	668.38	666.52	668.40	—	665.44

* TEMPORARY DIVERSION HYDRAULICS BASED ON 2-36" DIAMETER PIPES. SEE SPECIAL PROVISIONS FOR TEMPORARY DIVERSION REQUIREMENTS.

SUMMARY OF QUANTITIES			
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
20100500	TREE REMOVAL ACRES	ACRE	1.75
20200100	EARTH EXCAVATION	CU YD	2,416
20400800	FURNISHED EXCAVATION	CU YD	5,158
20900110	POROUS GRANULAR BACKFILL	CU YD	360
20900410	SAND BACKFILL	CU YD	345
21101505	TOPSOIL EXCAVATION AND PLACEMENT	CU YD	717
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	882
25000305	SEEDING, CLASS 3A	ACRE	1.75
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	158
25000500	PHOSPHOROUS FERTILIZER NUTRIENT	POUND	158
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	158
25000700	AGRICULTURAL GROUND LIMESTONE	TON	4
25100115	MULCH, METHOD 2	ACRE	1.25
25100630	EROSION CONTROL BLANKET	SQ YD	3,197
28000200	EARTH EXCAVATION FOR EROSION CONTROL	CU YD	25
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	350
28000305	TEMPORARY DITCH CHECKS	FOOT	60
28000400	PERIMETER EROSION BARRIER	FOOT	526
28001000	AGGREGATE (EROSION CONTROL)	TON	53
28100207	STONE RIPRAP, CLASS A4	TON	345
28200200	FILTER FABRIC	SQ YD	461
35100700	AGGREGATE BASE COURSE, TYPE A 8"	SQ YD	249
40300100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	115
40603080	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N50	TON	60
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	33
48101200	AGGREGATE SHOULDERS, TYPE B	TON	62
50100200	REMOVAL OF EXISTING STRUCTURES	L SUM	1
50101500	REMOVAL OF EXISTING SUPERSTRUCTURES	EACH	1
50104000	BRIDGE RAIL REMOVAL	FOOT	88
50200100	STRUCTURE EXCAVATION	CU YD	565
50200300	COFFERDAM EXCAVATION	CU YD	300
50200500	COFFERDAMS	EACH	1
50300225	CONCRETE STRUCTURES	CU YD	493.1
50400305	PRECAST PRESTRESSED CONCRETE DECK BEAMS (17" DEPTH)	SQ FT	1,232

SUMMARY OF QUANTITIES			
CODE NO.	ITEM DESCRIPTION	UNIT	TOTAL QUANTITY
50800105	REINFORCEMENT BARS	POUND	71,440
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	490
50900205	STEEL RAILING, TYPE S1	FOOT	88
51500100	NAME PLATES	EACH	1
58100200	WATERPROOFING MEMBRANE SYSTEM	SQ YD	137
58300100	PORTLAND CEMENT MORTAR FAIRING COURSE	FOOT	264
59300100	CONTROLLED LOW-STRENGTH MATERIAL	CU YD	224
60107600	PIPE UNDERDRAINS 4"	FOOT	300
63000005	STEEL PLATE BEAM GUARD RAIL, TYPE B	FOOT	50
63100075	TRAFFIC BARRIER TERMINAL, TYPE 5A	EACH	4
63200310	GUARD RAIL REMOVAL	FOOT	180.0
63301000	REMOVE AND RE-ERECT STEEL PLATE BEAM GUARD RAIL	FOOT	104.5
63302000	REMOVE AND RE-ERECT TRAFFIC BARRIER TERMINAL, TYPE 2	EACH	2
66400535	CHAIN LINK FENCE, 6' ATTACHED TO STRUCTURE	FOOT	370
67100100	MOBILIZATION	L SUM	1
70103700	TRAFFIC CONTROL COMPLETE	L SUM	1
72000100	SIGN PANEL - TYPE 1	SQ FT	6.25
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	17
78001120	PAINT PAVEMENT MARKING - LINE 5"	FOOT	282
78200410	GUARDRAIL MARKERS, TYPE A	EACH	4
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1
LR631020	TRAFFIC BARRIER TERMINAL, TYPE 1	EACH	1
XX007958	DIVERSION STRUCTURE	EACH	1
X0301280	PLUG EXISTING DRAINS	EACH	1
X0323265	REMOVE EXISTING RIPRAP	SQ YD	40
Z0013798	CONSTRUCTION LAYOUT	L SUM	1
Z0018905	DRILL AND GROUT BARS	EACH	56
XX008370	PVC WATERSTOP, 6"	FOOT	521
XX008371	TEMPORARY DRAWDOWN PIPE	EACH	1
XX008372	SLUICE GATE	EACH	1

△ SPECIALTY ITEMS

CONSTRUCTION TYPE CODE: Y009

FILE NAME =
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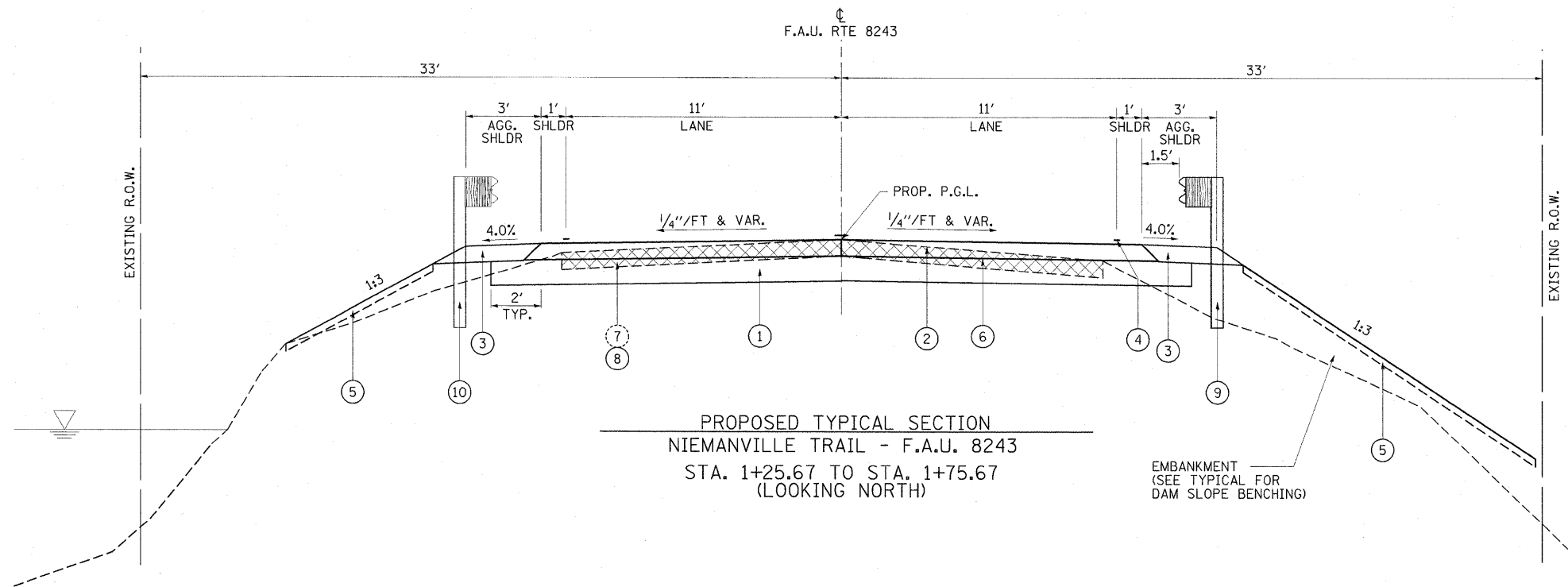
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PLOT DATE = 3/4/2010	CHECKED - KLT/JJF	REVISED -
	DATE - 3/2/2010	REVISED -

**NIEMANVILLE TRAIL
MONTGOMERY COUNTY, ILLINOIS**

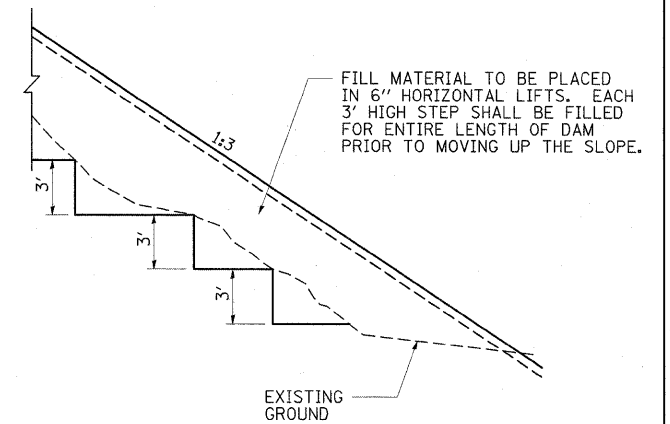
SUMMARY OF QUANTITIES

SCALE: SHEET NO. 3 OF 32 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	3
CONTRACT NO. 99537				
FED. ROAD DIST. NO. 6 [ILLINOIS] FED. AID PROJECT				



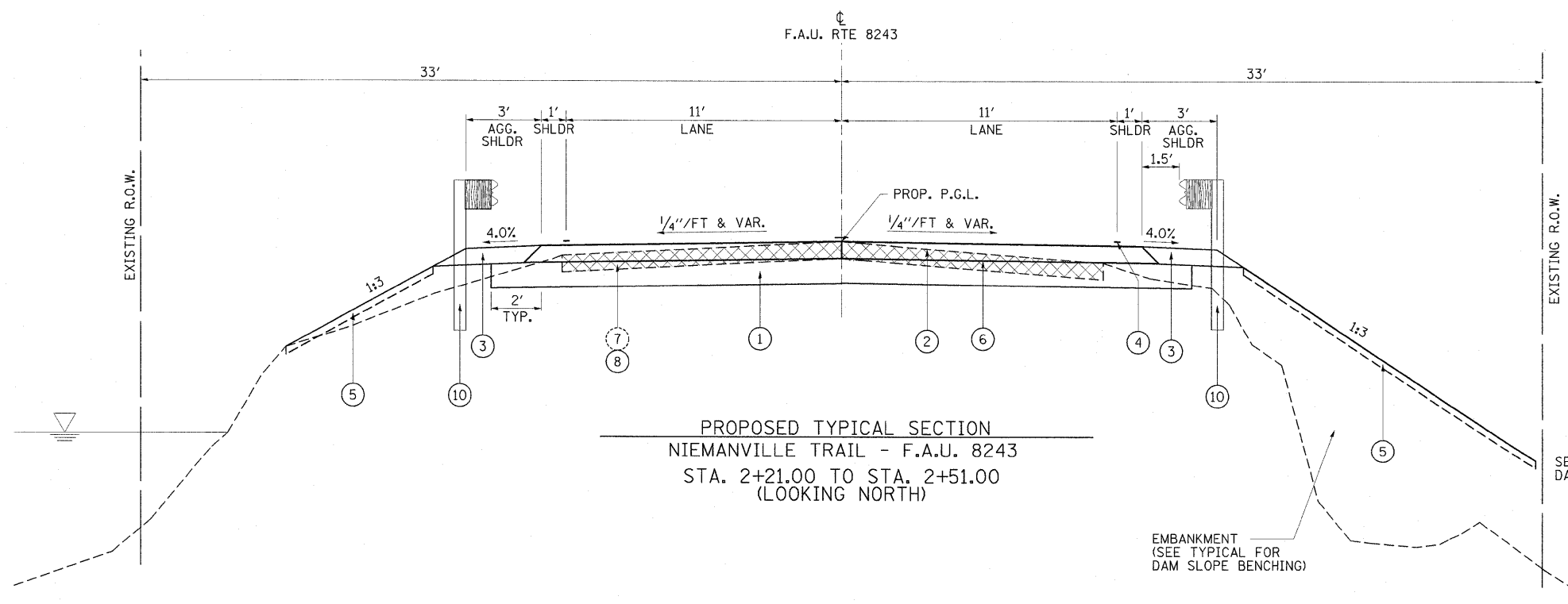
PROPOSED TYPICAL SECTION
 NIEMANVILLE TRAIL - F.A.U. 8243
 STA. 1+25.67 TO STA. 1+75.67
 (LOOKING NORTH)



TYPICAL DAM SLOPE BENCHING
 STA. 1+25.67 TO STA. 4+00.00

LEGEND

- ① PROPOSED AGGREGATE BASE COURSE, TYPE A, 8"
- ② PROPOSED HOT MIX ASPHALT PAVEMENT, 6" (SEE SHEET 2)
- ③ PROPOSED AGGREGATE SHOULDERS, TYPE B, 6"
- ④ PROPOSED PAVEMENT MARKING
- ⑤ PROPOSED TOPSOIL PLACEMENT, 4" AND SEEDING CLASS 3A WITH MULCH METHOD 2
- ⑥ PROPOSED BITUMINOUS PRIME COAT
- ⑦ EXISTING OIL & CHIP SURFACE PAVEMENT
- ⑧ PAVEMENT REMOVAL IN ACCORDANCE WITH EARTH EXCAVATION SPECIAL PROVISION
- ⑨ PROPOSED STEEL PLATE BEAM GUARDRAIL, TYPE B
- ⑩ REMOVE AND REINSTALL EXISTING STEEL PLATE BEAM GUARDRAIL



PROPOSED TYPICAL SECTION
 NIEMANVILLE TRAIL - F.A.U. 8243
 STA. 2+21.00 TO STA. 2+51.00
 (LOOKING NORTH)

SEE TYPICAL FOR
 DAM SLOPE BENCHING

EMBANKMENT
 (SEE TYPICAL FOR
 DAM SLOPE BENCHING)

FILE NAME =	USER NAME = Kristin Timmons	DESIGNED - KLT/JJF	REVISED -
...draw\Sheets\sh-typical.dgn		DRAWN - GLD	REVISED -
PLOT SCALE = 3/8" = 1'		CHECKED - KLT/JJF	REVISED -
PLOT DATE = 3/3/2010		DATE - 3/2/2010	REVISED -

NIEMANVILLE TRAIL
 MONTGOMERY COUNTY, ILLINOIS

TYPICAL SECTIONS
 S.N. 068-3232
 F.A.U. ROUTE 8243

SCALE: N/A SHEET NO. 4 OF 32 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	4
CONTRACT NO. 93537				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				

EARTHWORK SCHEDULE

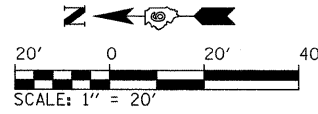
LOCATION			EARTH EXCAVATION	REMOVAL OF UNSUITABLE MATERIAL	EMBANKMENT	EXCAVATION TO BE USED IN EMBANKMENT (ADJ. FOR SHRINKAGE) 20%	EARTHWORK BALANCE** EXCESS (+) SHORTAGE (-)
STATION	TO	STATION	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
NIEMANVILLE TRAIL (AREA WITHIN R.O.W.)							
1+00.00	-	1+75.67	316	11	425	253	-172
2+21.00	-	4+00.00	1028	35	1046	822	-224
AREA OUTSIDE OF R.O.W (DAM AND SPILLWAY GRADING)							
1+00.00	-	4+50.00	262		5370	210	-5160
EARTH ON ROADWAY							
1+00.00	-	1+75.67	810			648	648
STRUCTURE EXCAVATION				565			
EMBANKMENT BELOW STRUCTURE					250		-250
COFFERDAM EXCAVATION				300			
TOTAL			2416	911	7091	1933	-5158

RIPRAP SCHEDULE



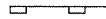
STATION / LOCATION			LT/RT	STONE DUMPED RIPRAP, CLASS A4	FILTER FABRIC
STATION	TO	STATION		(TON)	(SQ. YD.)
NIEMANVILLE TRAIL					
1+25.67	-	1+90.00	LT	21	28
1+78.00	-	2+18.00	RT	133	178
2+10.94	-	5+51.33	LT	157	210
4+95.69	-	5+13.00	RT	34	45
TOTALS				345	461

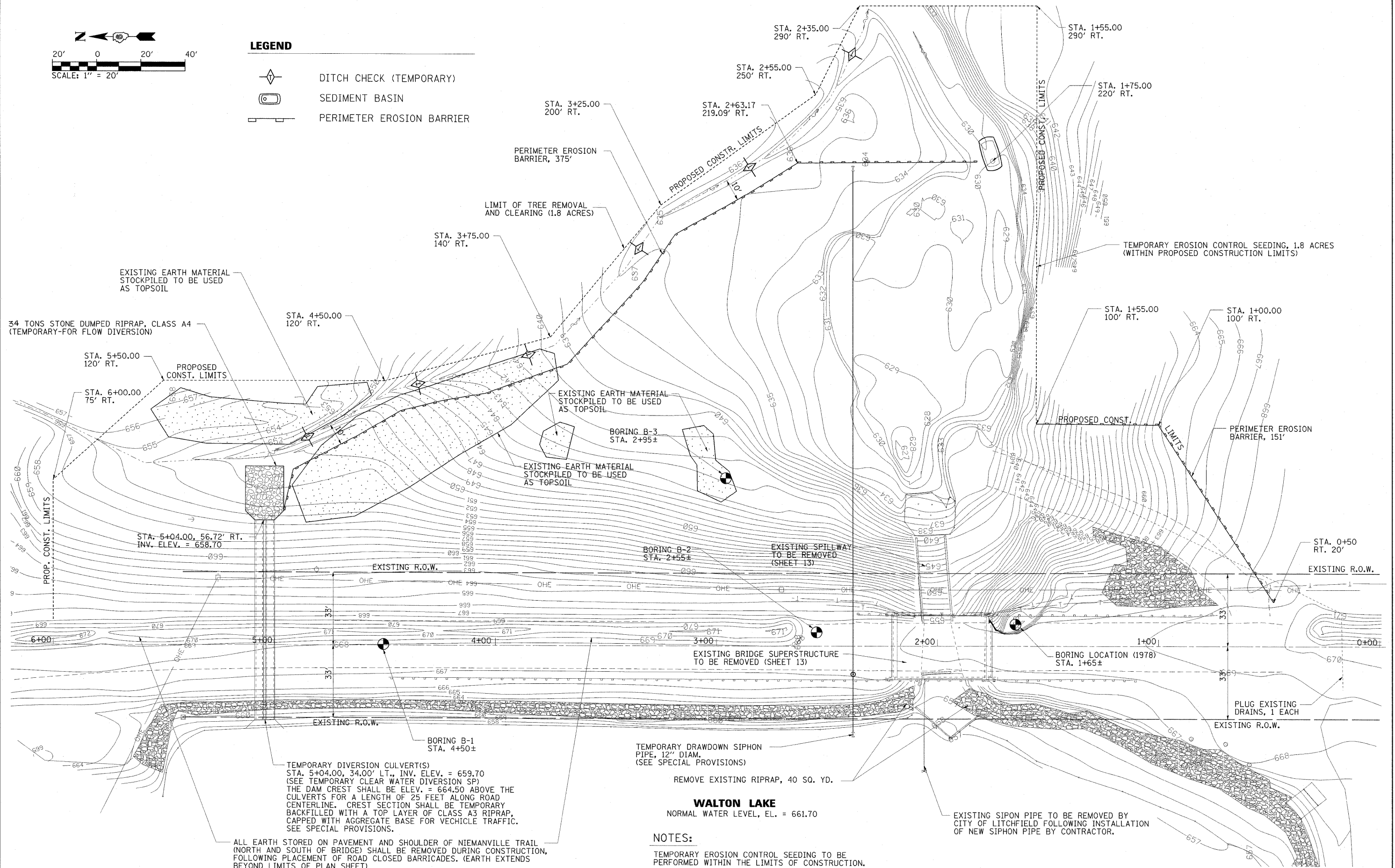
CONTROLLED LOW STRENGTH MATERIAL SCHEDULE

STATION / LOCATION	AREA	THICKNESS	CONTROLLED LOW STRENGTH MATERIAL (MX 2)	CONTROLLED LOW STRENGTH MATERIAL (MX 3)
	(SQ FT)	(FOOT)	(CU YD)	(CU YD)
NIEMANVILLE TRAIL				
SPILLWAY STILLING BASIN	1713.9	0.33	21.2	
SPILLWAY CHUTE	1571.5	0.33	19.4	
SPILLWAY WEIR	1905.0	0.33	23.5	
UPSTREAM AREA	20.0	36.00		26.7
DOWNSTREAM AREA	100.0	36.00		133.3
TOTALS			64.1	160.0



LEGEND

-  DITCH CHECK (TEMPORARY)
-  SEDIMENT BASIN
-  PERIMETER EROSION BARRIER



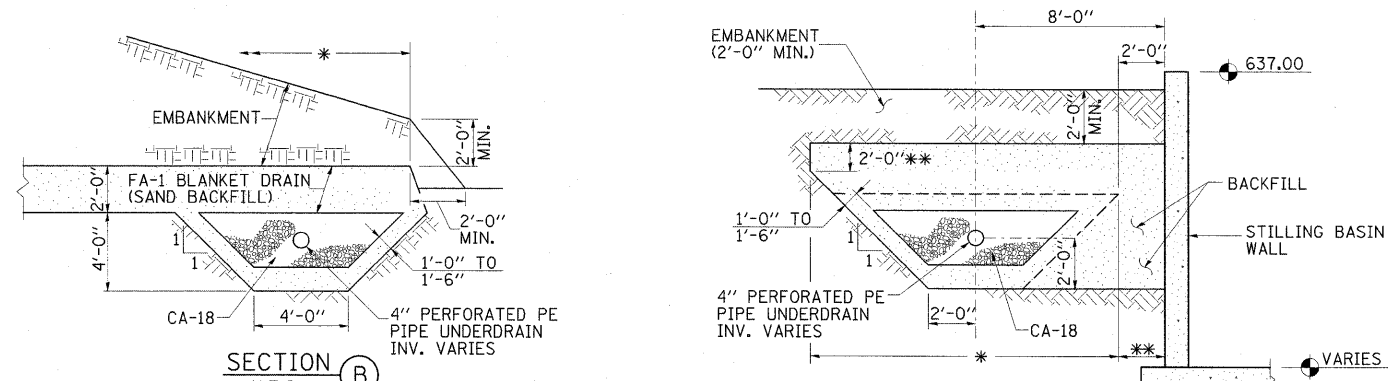
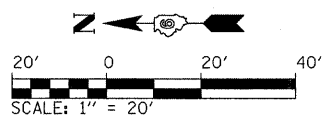
ALL EARTH STORED ON PAVEMENT AND SHOULDER OF NIEMANVILLE TRAIL (NORTH AND SOUTH OF BRIDGE) SHALL BE REMOVED DURING CONSTRUCTION, FOLLOWING PLACEMENT OF ROAD CLOSED BARRICADES. (EARTH EXTENDS BEYOND LIMITS OF PLAN SHEET)

NOTES:
 TEMPORARY EROSION CONTROL SEEDING TO BE PERFORMED WITHIN THE LIMITS OF CONSTRUCTION.

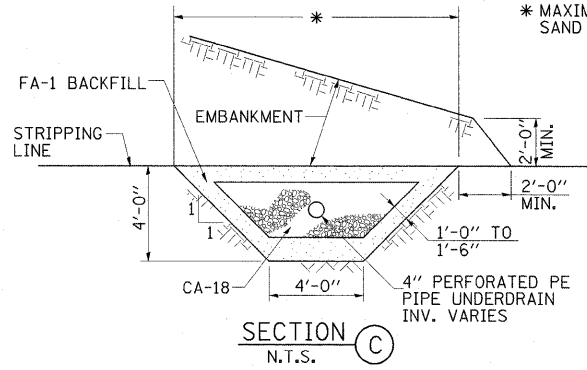
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PLOT SCALE = 20.0000' / IN.	CHECKED - KLT/JJF	REVISIONS -	SCALE: 1"=20'			SHEET NO. 6 OF 32 SHEETS	STA. 0+00 TO STA. 6+00	CONTRACT NO. 93537				
PLOT DATE = 3/3/2010	DATE - 3/2/2010	REVISIONS -	FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT									

BLANKET DRAIN (SAND BACKFILL) POINT LOCATIONS

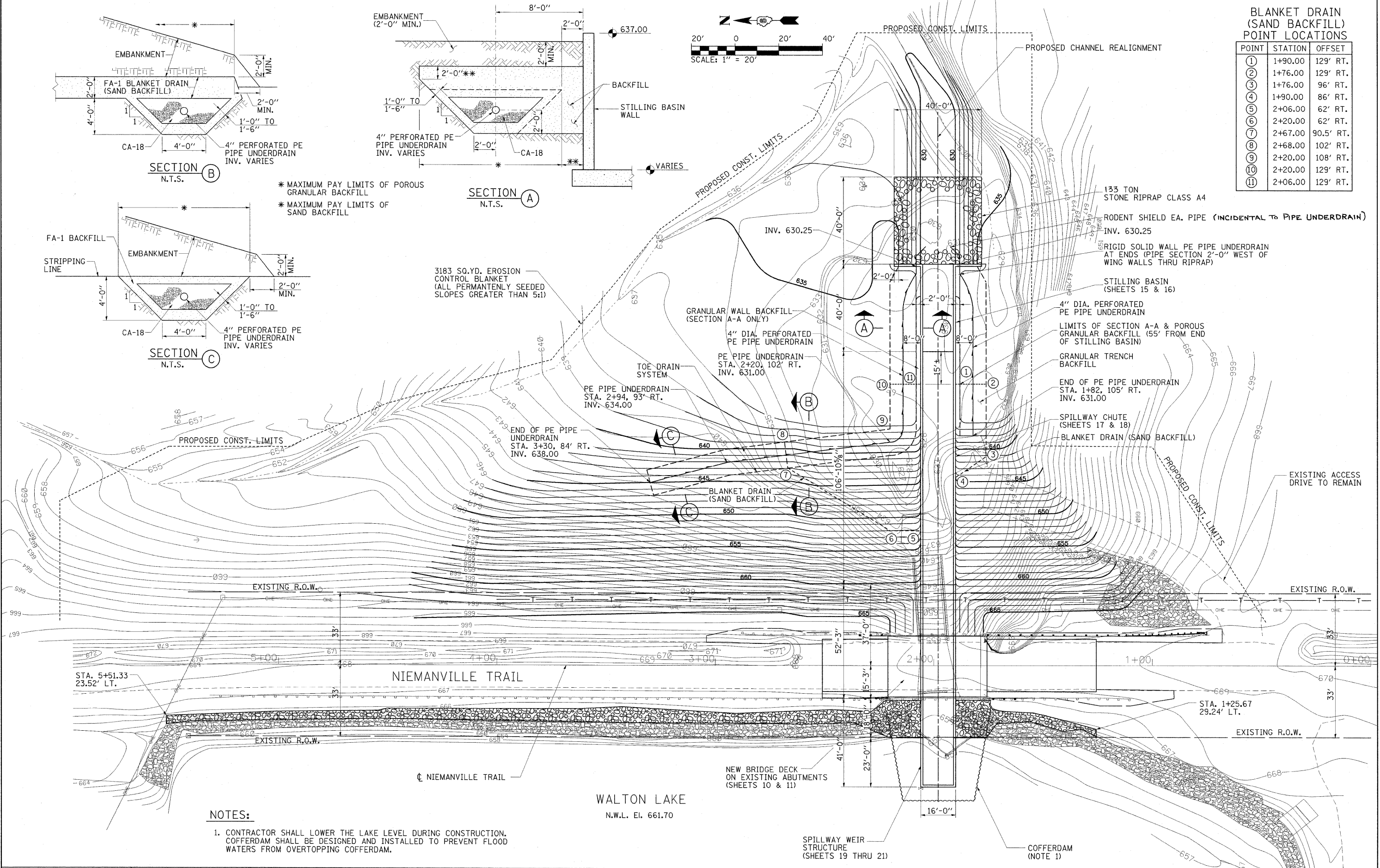
POINT	STATION	OFFSET
①	1+90.00	129' RT.
②	1+76.00	129' RT.
③	1+76.00	96' RT.
④	1+90.00	86' RT.
⑤	2+06.00	62' RT.
⑥	2+20.00	62' RT.
⑦	2+67.00	90.5' RT.
⑧	2+68.00	102' RT.
⑨	2+20.00	108' RT.
⑩	2+20.00	129' RT.
⑪	2+06.00	129' RT.



* MAXIMUM PAY LIMITS OF POROUS GRANULAR BACKFILL
 * MAXIMUM PAY LIMITS OF SAND BACKFILL



3183 SQ.YD. EROSION CONTROL BLANKET (ALL PERMANENTLY SEEDED SLOPES GREATER THAN 5:1)



NOTES:

- CONTRACTOR SHALL LOWER THE LAKE LEVEL DURING CONSTRUCTION. COFFERDAM SHALL BE DESIGNED AND INSTALLED TO PREVENT FLOOD WATERS FROM OVERTOPPING COFFERDAM.

FILE NAME = ... \Sheets\Pr...Spwy...siteplan.dgn

USER NAME = Kristin Timmons
 DESIGNED - KLT/JJF
 DRAWN - GLD
 CHECKED - KLT/JJF
 DATE - 3/2/2010

REVISIONS:
 REVISIONS -
 REVISIONS -
 REVISIONS -

**NIEMANVILLE TRAIL
 MONTGOMERY COUNTY, ILLINOIS**

**PROPOSED SITE PLAN
 F.A.U. ROUTE 8243**

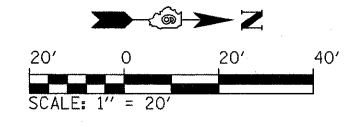
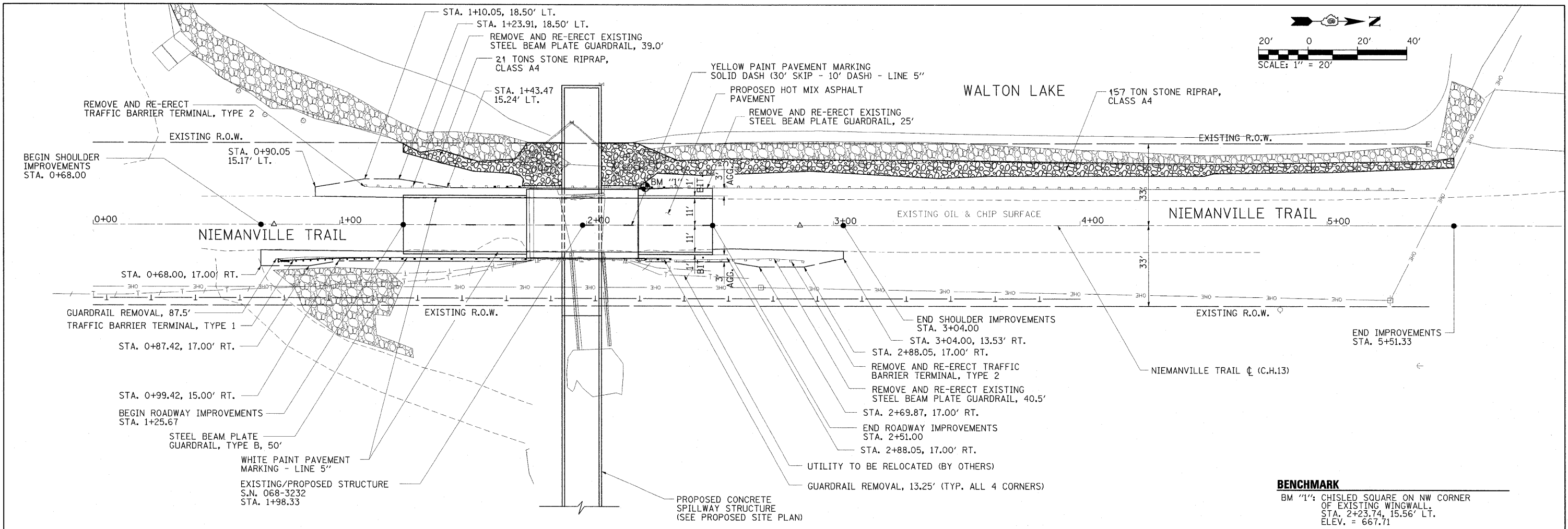
SCALE: 1"=20' SHEET NO. OF 32 SHEETS STA. 0+00 TO STA. 6+00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	7
CONTRACT NO. 93537				

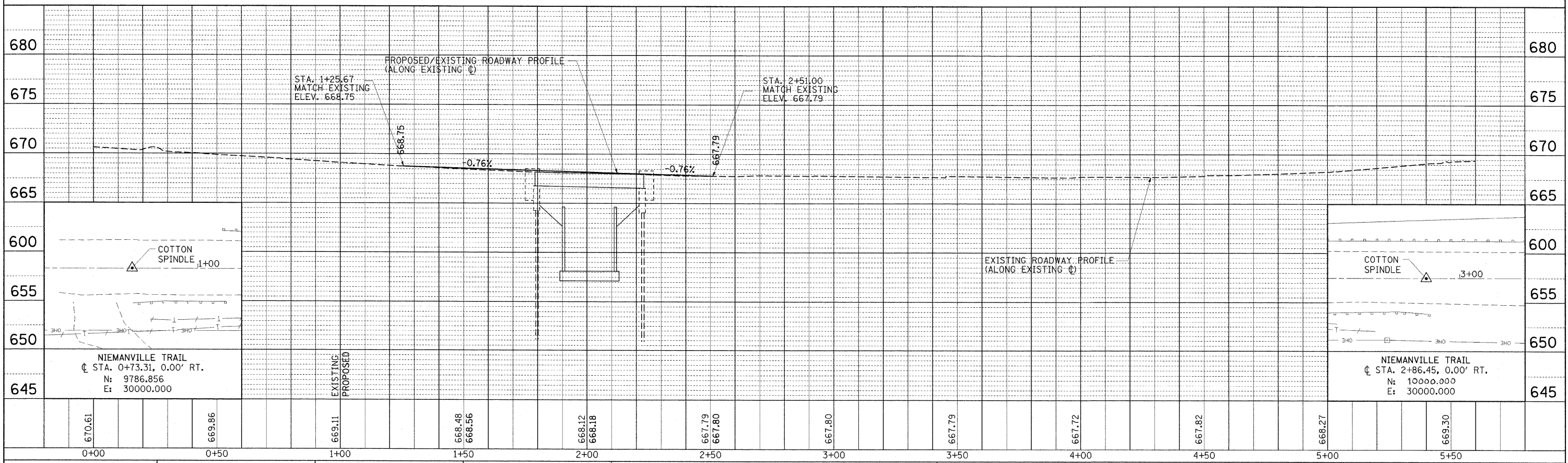
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT

DATE	
BY	
PLAN	
NO.	
DATE	
BY	
PLAN	
NO.	

DATE	
BY	
PROFILE	
NO.	
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PROFILE	
NO.	



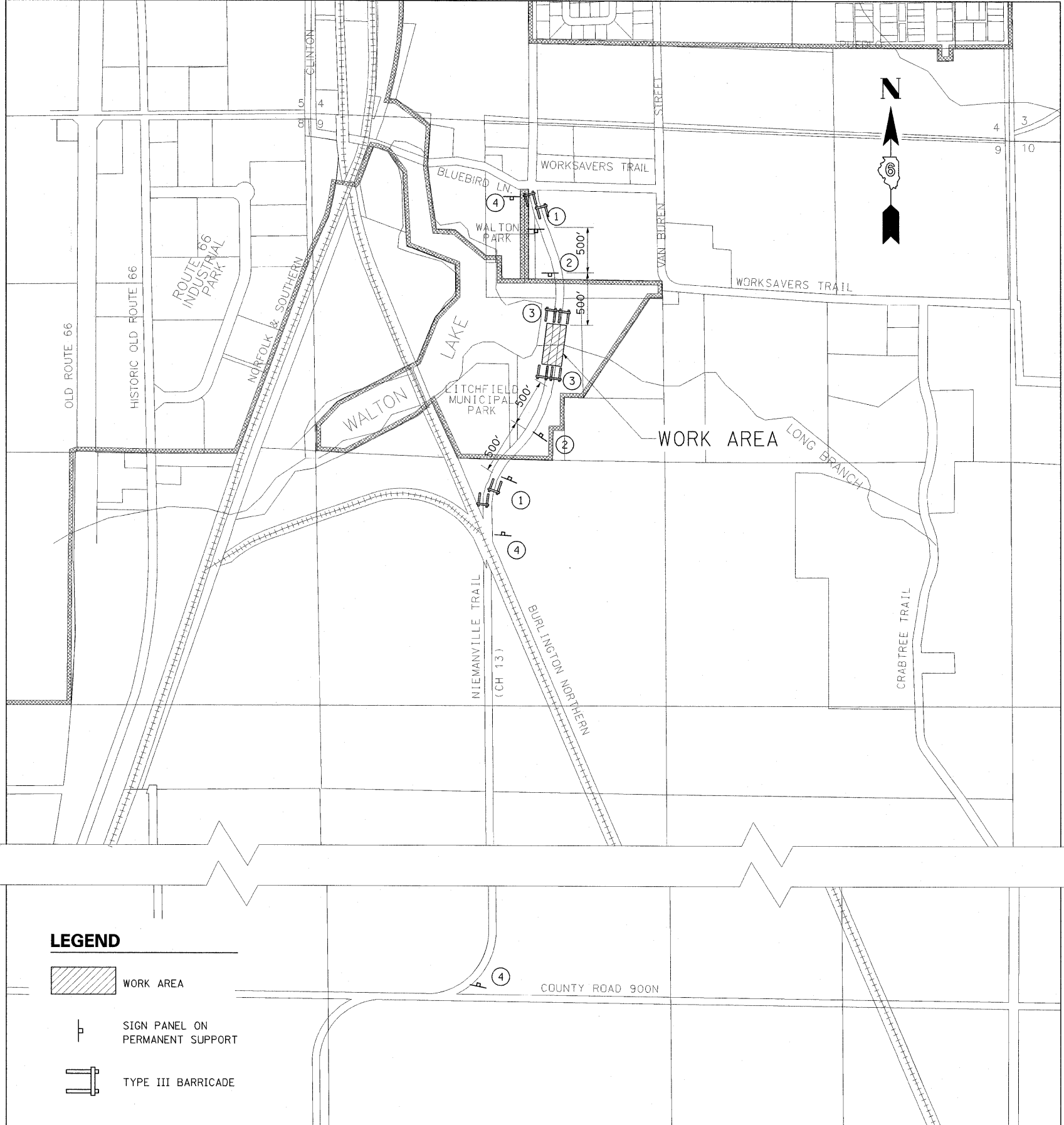
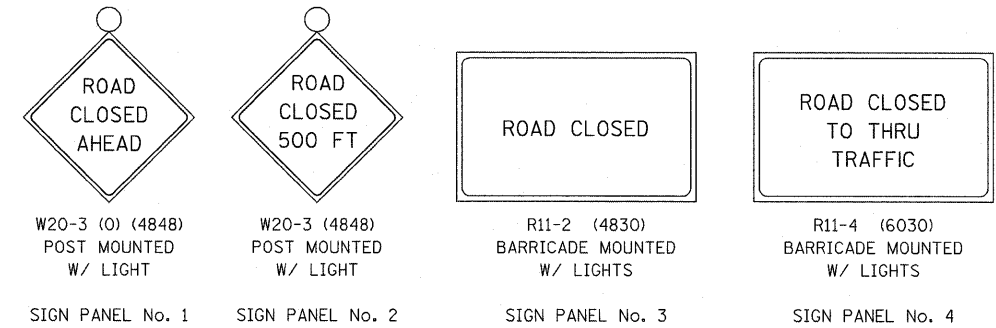
BENCHMARK
 BM "1": CHISELED SQUARE ON NW CORNER OF EXISTING WINGWALL STA. 2+23.74, 15.56' LT. ELEV. = 667.71



FILE NAME =	USER NAME = Kristi.KLT	DESIGNED -	REVISED -	MONTGOMERY COUNTY, ILLINOIS	PLAN AND PROFILE			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
J:\Montgomery\0900110 niemanville	draw\Sheets\P&P.dgn	DRAWN - GLD	REVISED -		NIEMANVILLE TRAIL OVER SPILLWAY AT WALTON LAKE			8243	09-134-00-DR	MONTGOMERY	32	8
	PLOT SCALE = 20.000000 IN.	CHECKED -	REVISED -		SCALE: 1" = 20' SHEET NO. 8 OF 32 SHEETS STA. 0+00.00 TO STA. 5+00.00			CONTRACT NO. 93537				
	PLOT DATE = 3/3/2010	DATE = 1/15/2010	REVISED -		FED. ROAD DIST. NO. 6 [ILLINOIS] FED. AID PROJECT							

MAINTENANCE OF TRAFFIC GENERAL NOTES

- 1.) ALL SIGNING SHALL BE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF THE STATE OF ILLINOIS "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007, THE DETAILS IN THESE PLANS AND THE LATEST EDITION OF THE STATE OF ILLINOIS "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES".
- 2.) ALL MAINTENANCE OF TRAFFIC SIGNS SHALL BE PROVIDED, PLACED AND MAINTAINED BY THE CONTRACTOR.
- 3.) THE CONTRACTOR SHALL PROCEED WITH THE WORK IN AN EXPEDIENT MANNER TO MINIMIZE THE TIME THAT THE CLOSURE IS IN EFFECT.
- 4.) THE CONTRACTOR SHALL SUPPLY TO THE ENGINEER THE NAMES AND PHONE NUMBERS OF HIS REPRESENTATIVES ON THE CONSTRUCTION SITE AND HIS REPRESENTATIVES RESPONSIBLE FOR THE DETOUR SIGNING AND MAINTENANCE OF TRAFFIC PRIOR TO THE START OF WORK.
- 5.) LONGITUDINAL DIMENSIONS SHOWN ON THESE PLANS MAY BE ADJUSTED TO FIT FIELD CONDITIONS AS DIRECTED BY THE ENGINEER.
- 6.) ALL EXISTING SIGNING THAT IS NOT APPLICABLE WHILE THE ROAD CLOSURE IS IN EFFECT SHALL BE REMOVED OR COMPLETELY COVERED BY THE CONTRACTOR. THIS WORK SHALL BE CONSIDERED INCLUDED IN THE COST OF TRAFFIC CONTROL COMPLETE.
- 7.) ALL ROAD CLOSURE SIGNS SHALL BE POST MOUNTED UNLESS OTHERWISE NOTED.
- 8.) ALL ROAD CLOSURE SIGNING, EXCEPT REGULATORY SIGNS, SHALL HAVE BLACK LEGNEDS ON FLUORESCENT ORANGE BACKGROUNDS AND STANDARD BLACK BORDERS. ALL ROAD CLOSURE SIGNS SHALL BE NEW OR LIKE NEW CONDITION.
- 9.) AS A MINIMUM, ALL AMBER FLASHING LIGHTS THAT ARE REQUIRED FOR THE CLOSURE SIGNAGE SHALL MEET THE REQUIREMENTS FOR TYPE A-LOW INTENSITY FLASHING LIGHTS PER ARTICLE 1106.02(a) OF THE STANDARD SPECIFICATIONS. ALL LIGHTS SHALL OPERATE DURING HOURS OF DARKNESS. ONLY LIGHTS THAT HAVE BEEN APPROVED BY THE ILLINOIS DEPARTMENT OF TRANSPORTATION AND MONTGOMERY COUNTY SHALL BE USED.
- 10.) THE "ROAD CLOSED" SIGN ON A TYPE III BARRICADE SHALL BE MOUNTED ACCORDING TO STANDARD 701901. ALL TYPE III BARRICADES SHALL HAVE TWO AMBER TYPE A-LOW INTENSITY FLASHING LIGHTS.
- 11.) CONSTRUCTION EQUIPMENT SHALL NOT BE PARKED IMMEDIATELY BEHIND THE TYPE III BARRICADES DURING NON-WORKING HOURS. IN ANY EVENT, ARTICLES 701 THRU 703 OF THE STANDARD SPECIFICATIONS SHALL APPLY.
- 12.) THE ENGINEER SHALL BE NOTIFIED AT LEAST TWO WEEKS BEFORE THE ROAD IS TO BE OPENED TO TRAFFIC. THE ENGINEER WILL COORDINATE WITH THE CITY, COUNTY AND THE APPROPRIATE LOCAL AGENCIES.
- 13.) THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL DRIVEWAY AND POINTS OF ACCESS DURING ALL PERIODS OF CONSTRUCTION.
- 14.) FOR STABILIZATION, ALL TYPE III BARRICADES SHALL REQUIRE A MINIMUM OF 8 SANDBAGS PER BARRICADE.



LEGEND

- WORK AREA
- SIGN PANEL ON PERMANENT SUPPORT
- TYPE III BARRICADE

FILE NAME = ...\\Sheets\MOT_detour_plan.dgn	USER NAME = Kristin Timmons	DESIGNED - KLT/JJF	REVISED -
		DRAWN - GLD	REVISED -
		CHECKED - KLT/JJF	REVISED -
		DATE - 3/2/2010	REVISED -

**NIEMANVILLE TRAIL
MONTGOMERY COUNTY, ILLINOIS**

**MAINTENANCE OF TRAFFIC
ROAD CLOSURE PLAN**

SCALE: N/A SHEET NO. 9 OF 32 SHEETS STA. N/A TO STA. N/A

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	9
CONTRACT NO. 93537				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				

Bench Mark: Chiseled square on the Northwest corner of the Northwest wing wall. Elev. = 667.71

Existing Structure: Structure No. 068-3232

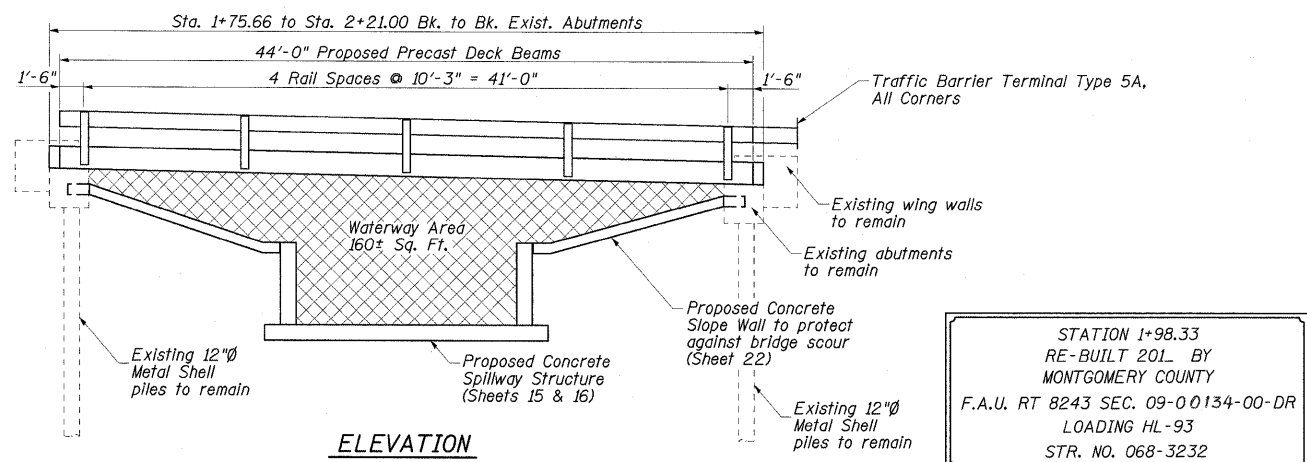
Built in 1979 as F.A.U. Rte. 8243, Sec. 77-00062-00-BR as a single span precast prestressed concrete deck beam bridge 45'-4" Bk. to Bk. of abutments. Concrete pile bent abutments. Concrete deck beams to be removed and replaced. Existing abutments and piling to remain in place.

Salvage existing abutments

BRIDGE

TOTAL BILL OF MATERIAL

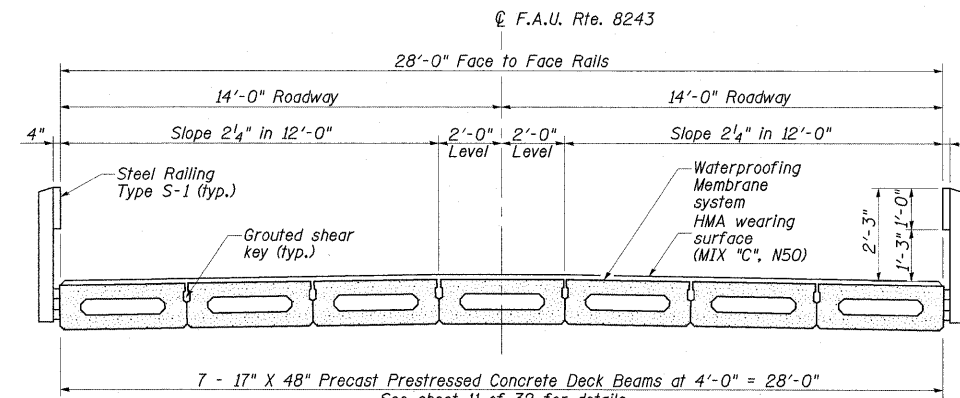
Item	Unit	Quantity
Hot-Mix Asphalt Surface Course, Mix "C" N50	Ton	13
Removal of Existing Superstructure	Each	1
Bridge Rail Removal	Foot	88
Precast Prestressed Concrete Deck Beams (17" Depth)	Sq. Ft.	1,232
Reinforcement Bars (Epoxy Coated)	Lbs.	200
Steel Railing, Type S-1	Foot	88
Name Plate	Each	1
Waterproofing Membrane System	Sq. Yd.	137
Portland Cement Mortar Fairing Course	Foot	264
Drill and Grout Bars	Each	56
Traffic Barrier Terminal, Type 5A	Each	4
Concrete Structures	Cu Yd	2.0



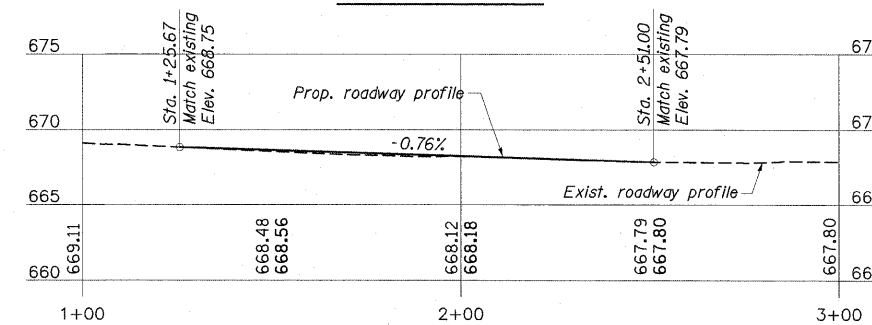
ELEVATION

STATION 1+98.33
 RE-BUILT 201_ BY
 MONTGOMERY COUNTY
 F.A.U. RT 8243 SEC. 09-00134-00-DR
 LOADING HL-93
 STR. NO. 068-3232

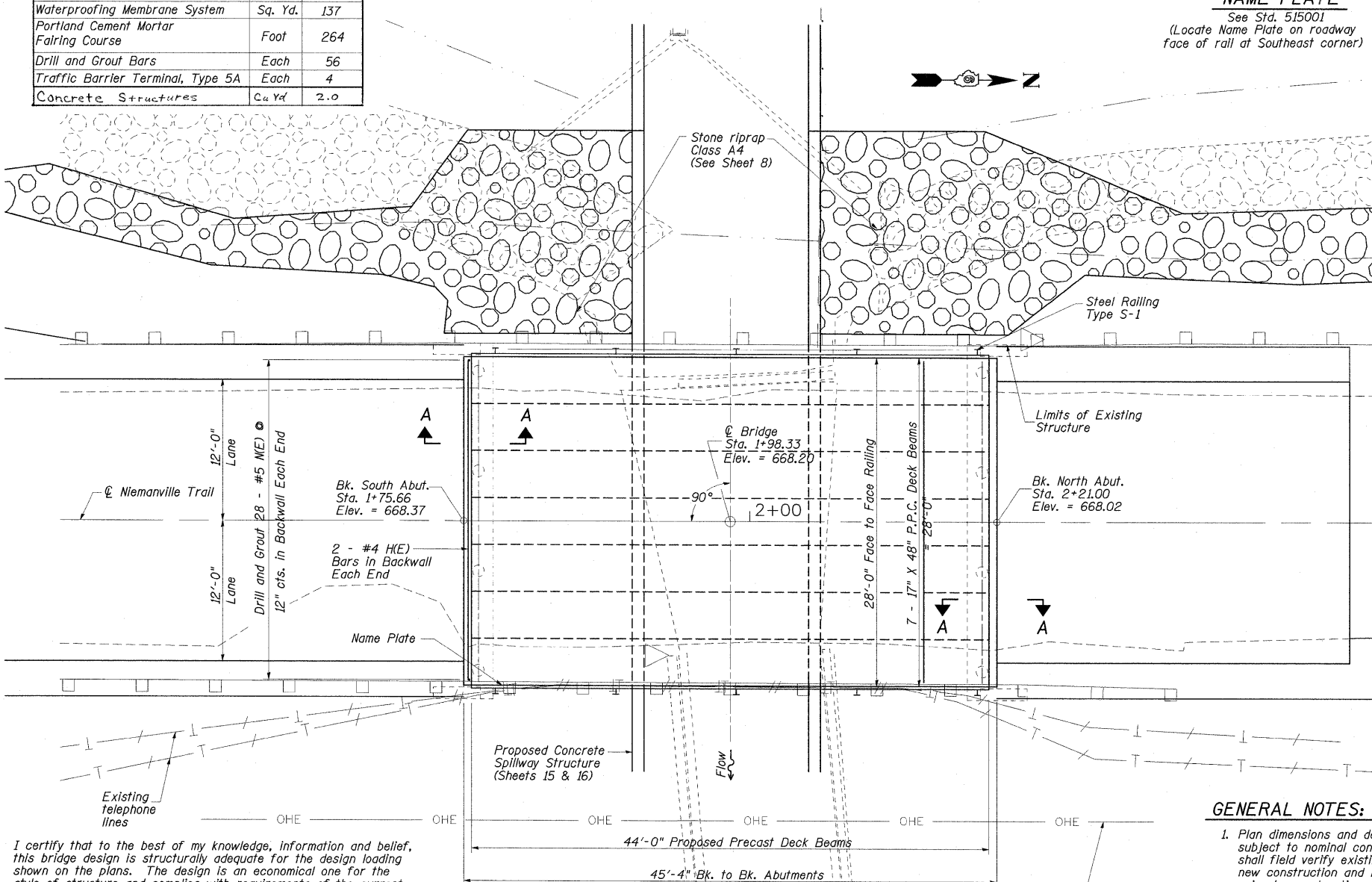
NAME PLATE
 See Std. 515001
 (Locate Name Plate on roadway face of rail at Southeast corner)



CROSS SECTION



ROADWAY PROFILE



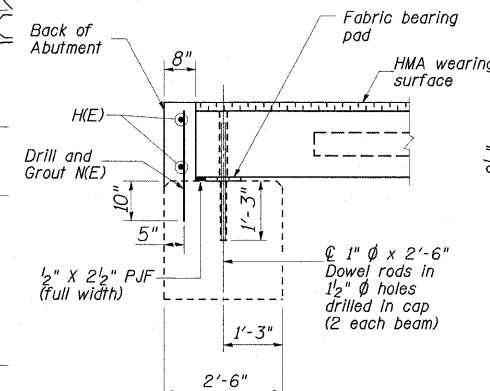
PLAN

I certify that to the best of my knowledge, information and belief, this bridge design is structurally adequate for the design loading shown on the plans. The design is an economical one for the style of structure and complies with requirements of the current "AASHTO Standard Specifications for Highway Bridges."

Jeff J. Flickbohm, P.E., S.E.
 Illinois Licensed Structural Engineer
 License Number: 081-005245
 Expiration Date: November 30, 2010

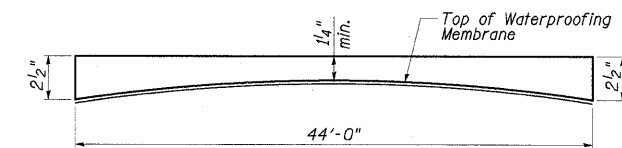


(Sheets 10 - 24)



SECTION A-A

See sheet 11 of 32 for fabric bearing pad details.



ANTICIPATED HMA WEARING SURFACE PROFILE
 (For Information only)

BAR LIST

Bar	No.	Size	Length	Shape
H(E)	4	#4	27'-8"	
ME	56	#5	2'-2"	

HIGHWAY CLASSIFICATION

Functional Class:
 ADT: 1465 (2010); 2180 (2030)
 ADTT: 30 (2010); 44 (2030)

DESIGN SPECIFICATIONS

AASHTO LRFD 4th Edition with 2008 & 2009 Interims
 (Proposed superstructure)

SEISMIC DATA

Seismic Performance Zone (SPZ) = 1
 Bedrock Acceleration Coefficient (A) = 0.04g
 Site Coefficient (S) = 1.5

LOADING HL-93

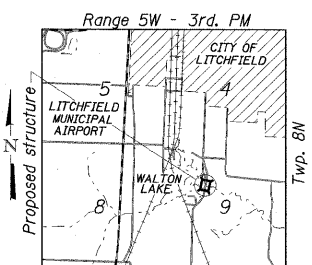
LRFD HL-93 (Proposed superstructure)
 HS-20-44 (Existing substructure)
 Allow 25 psf for future wearing surface.

DESIGN STRESSES

f'c = 6,000 psi (Prestressed Beams)
 f'ci = 5,000 psi (Prestressed Beams)
 f's = 270,000 psi (Prestressed Strands)
 f'si = 201,960 psi (Prestressed Strands)

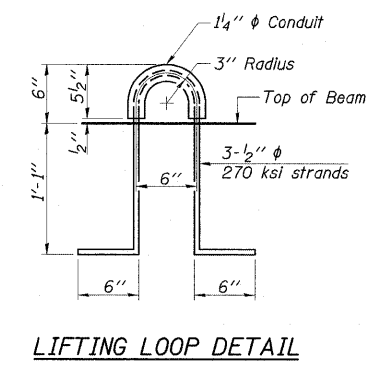
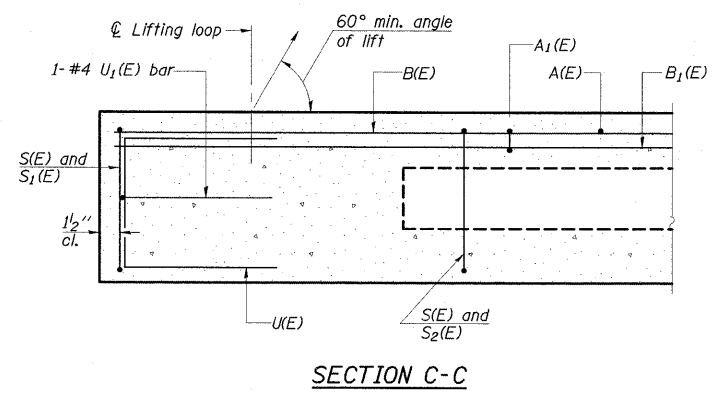
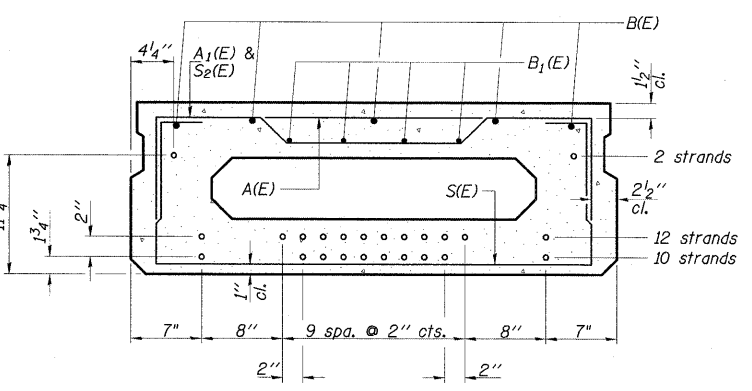
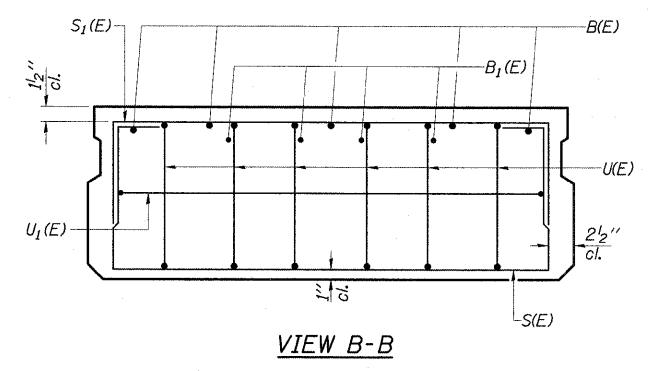
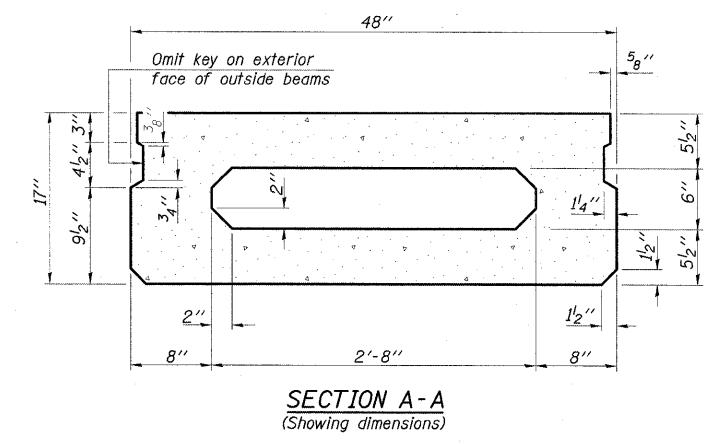
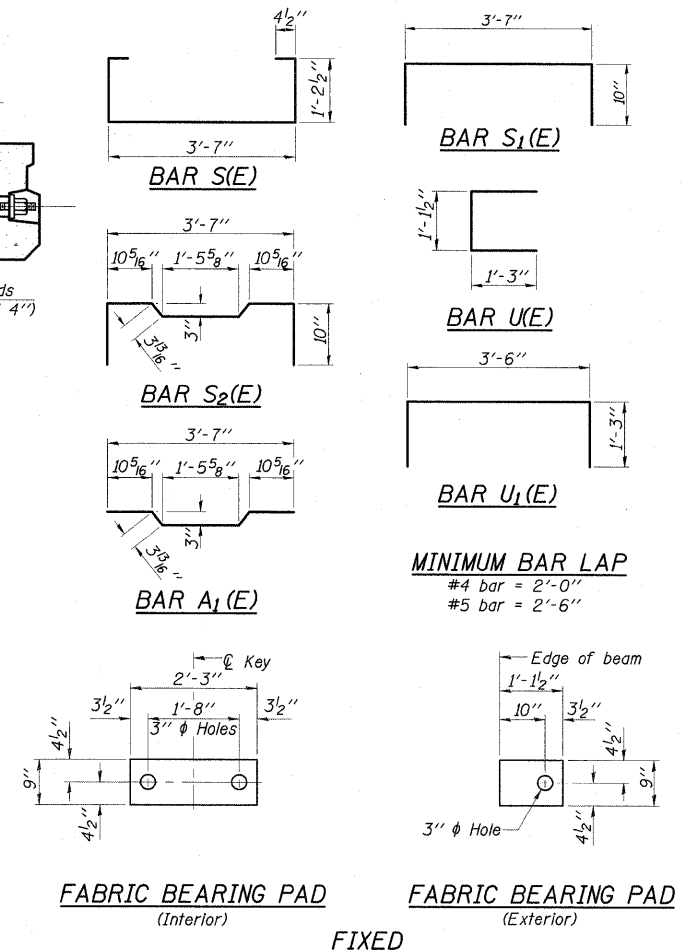
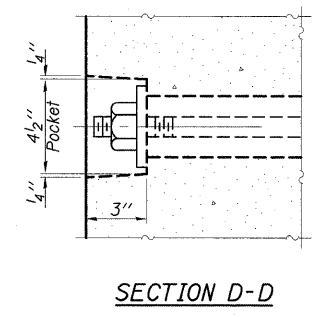
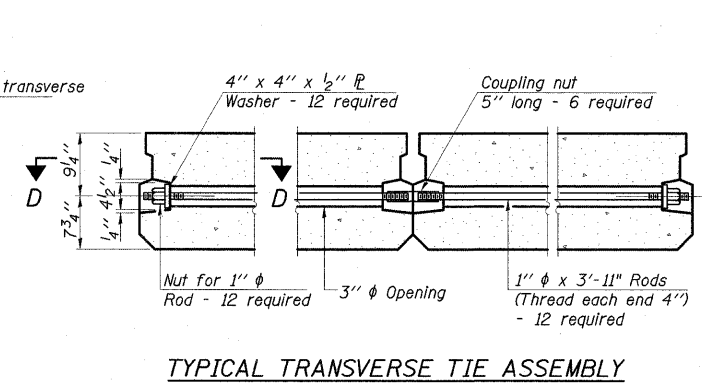
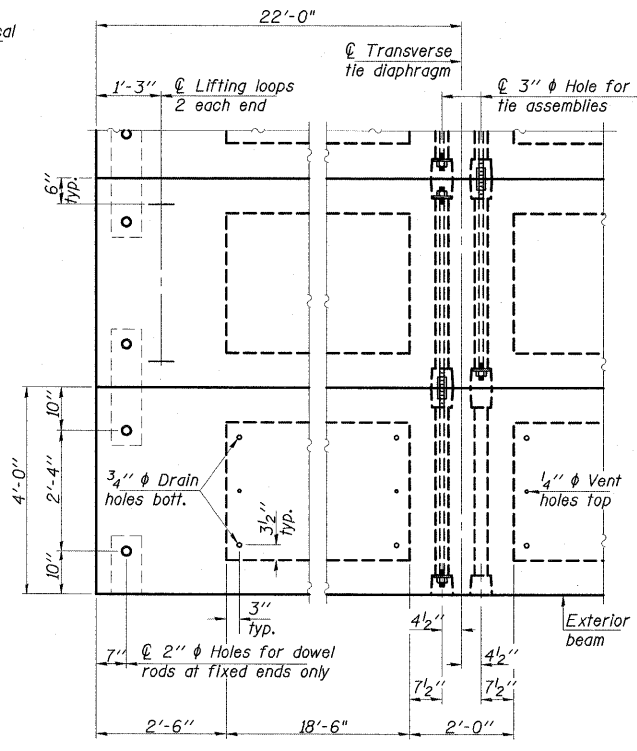
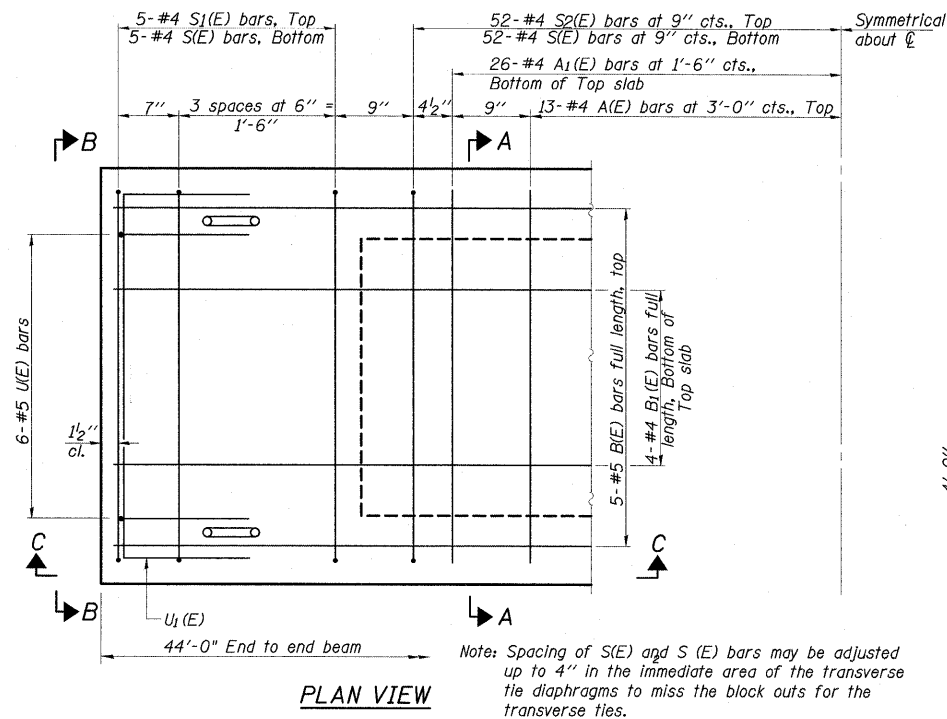
GENERAL NOTES:

- 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 the work. However, the contractor will be paid for the quantity actually furnished at the unit price bid for the work.
- Existing name plate shall be cleaned and relocated next to new name plate. Cost included with name plates.
- Reinforcement bars designated (E) shall be Epoxy Coated.



LOCATION SKETCH

FILE NAME	USER NAME	DESIGNED	REVISIONS	GENERAL PLAN AND ELEVATION	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
...draw\Sheets\GP&E\Bridge.dgn	Kristin Timmons	CJW/JJF	REVISED -	NIEMANVILLE TRAIL MONTGOMERY COUNTY, ILLINOIS	8243	09-00134-00-DR	MONTGOMERY	32	10
		DRAWN - GLD	REVISED -						
		CHECKED - WLB/JJF	REVISED -						
		DATE - 3/2/2010	REVISED -						
				SCALE: SHEET NO. 10 OF 32 SHEETS					
					STA. TO STA.				
								FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT	CONTRACT NO. 93537



BAR LIST ONE BEAM ONLY
(For information only Reinforcement bars included in cost for P.P.C. Deck Beams)

Bar	No.	Size	Length	Shape
A(E)	13	#4	3'-7"	—
A1(E)	26	#4	3'-10"	—
B(E)	5	#5	43'-9"	—
B1(E)	8	#4	22'-11"	—
S(E)	62	#4	6'-9"	—
S1(E)	10	#4	5'-3"	—
S2(E)	52	#4	5'-6"	—
U(E)	12	#5	3'-8"	—
U1(E)	2	#4	6'-0"	—

Reinforcement bars designated (E) shall be epoxy coated.
Note: See sheet 10 of 32 for additional details and Bill of Material.

BILL OF MATERIAL

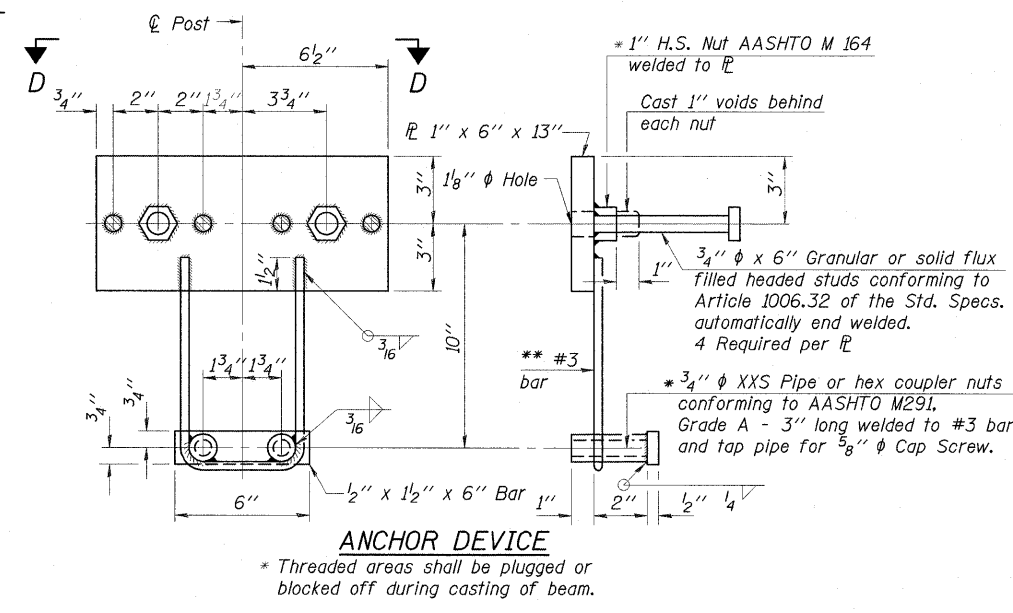
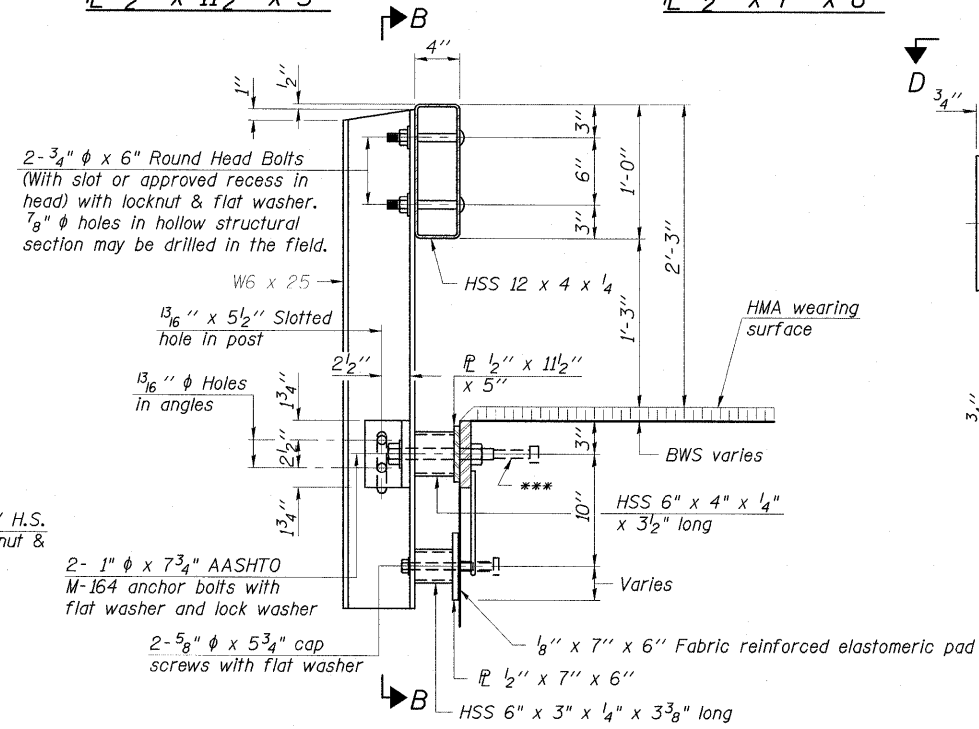
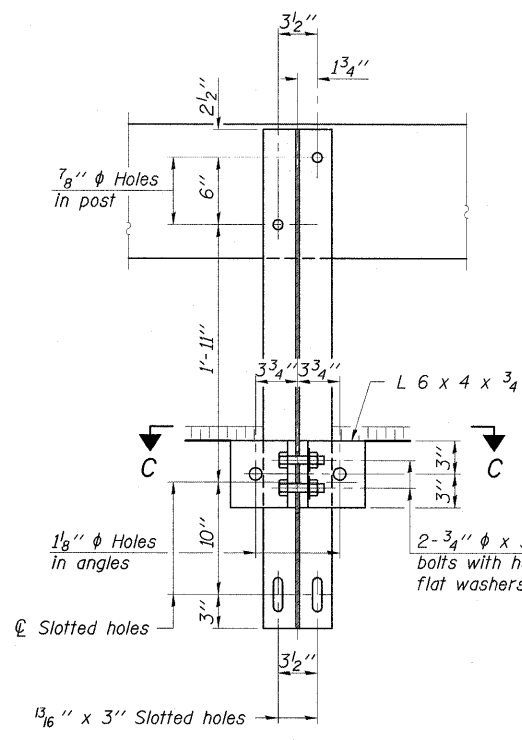
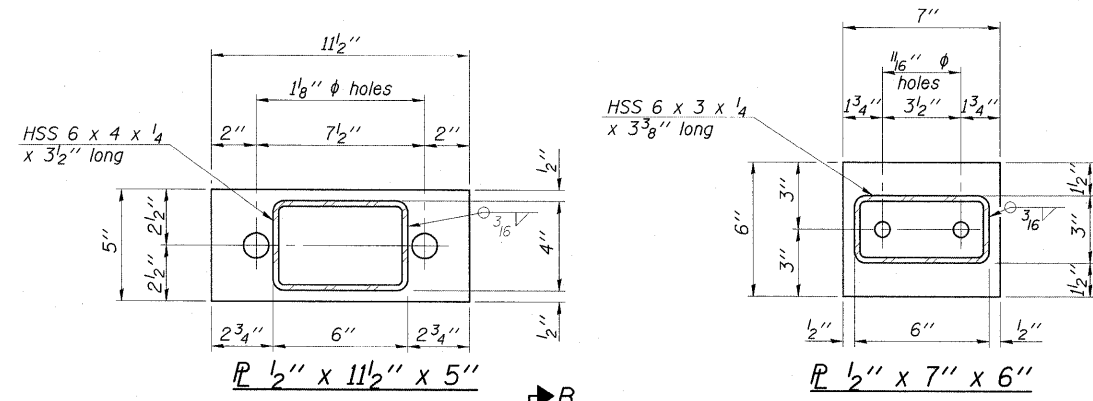
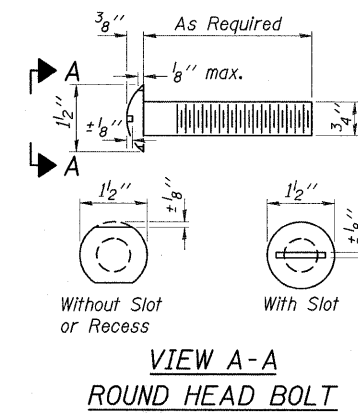
Precast Prestressed Conc. Deck Bms. (17" depth)	Sq. Ft.	1232
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NOTES

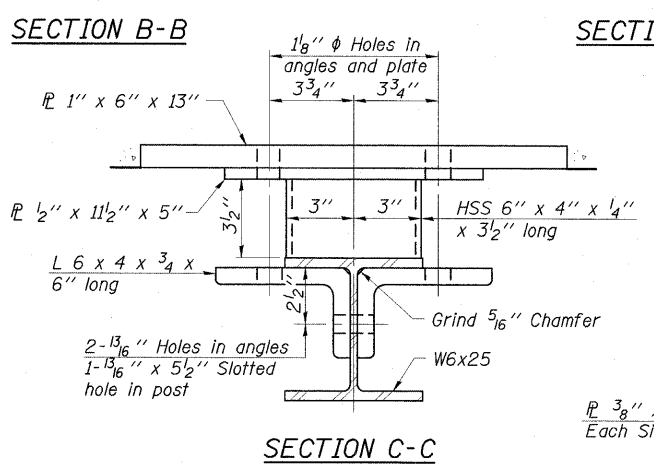
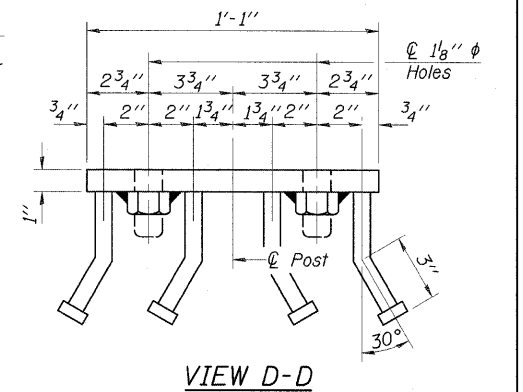
Prestressing steel shall be uncoated high strength, low relaxation 7-wire strand, Grade 270. The nominal diameter shall be 1/2" and the nominal cross-sectional area shall be 0.153 sq. in. The 1" diameter rods in the transverse tie assembly shall be tightened to a snug fit and the threads set. Pockets on exterior faces of bridge shall be filled with grout after transverse tie assembly is in place.

Reinforcement bars shall conform to ASTM A 706, Grade 60. (See Special Provisions). Two 1/8" fabric adjusting shims of the dimensions of the exterior bearing pad shall be provided for each bearing pad location.

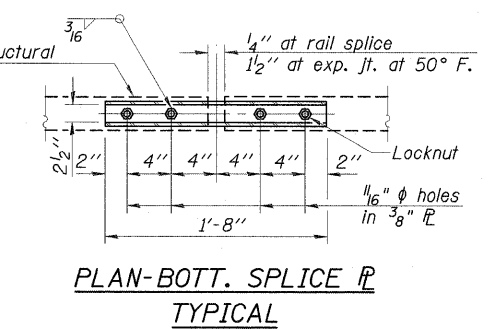
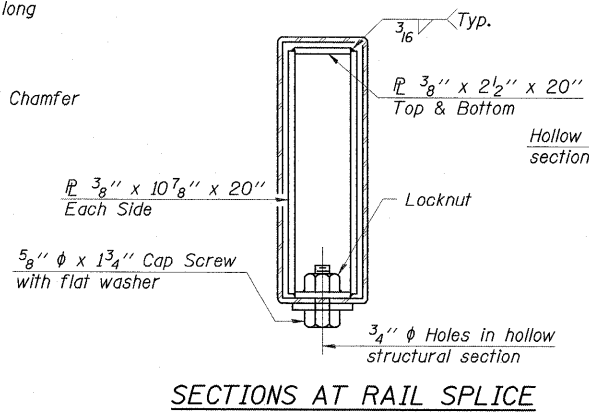
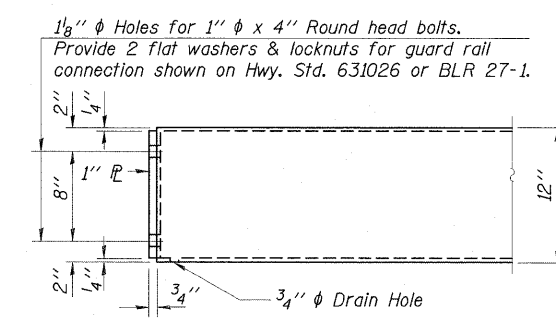
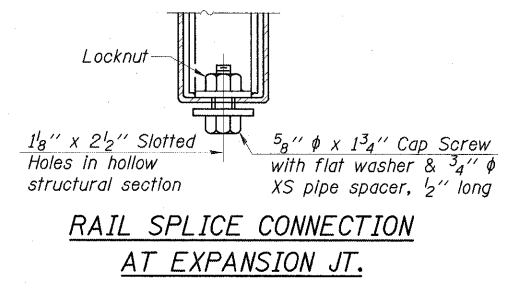
A minimum 2 1/2" diameter lifting pin shall be used to engage the lifting loops during handling. Corrosion inhibitor, per Article 1020.05(b)(12) and 1021.06 of the Standard Specifications, shall be used in the concrete for precast prestressed concrete deck beams. Compressive strength of prestressed concrete, f'c, shall be 6000 psi. Compressive strength of prestressed concrete at release, f'ci, shall be 5000 psi. Railpost anchor devices to be cast into exterior face of outside beams as specified elsewhere.



Notes:
All field drilled holes shall be coated with an approved zinc rich paint before erection.
For multi-span bridges, sufficient 1/4" x 6" x 1'-2" galvanized steel shims shall be provided to align rail between adjacent spans. Cost included with Steel Railing, Type S-1.
All steel rail elements shall be galvanized according to Article 509.05 of the Standard Specifications.
*** The studs of the anchor devices shall be placed below the top reinforcement bars and the outermost longitudinal reinforcement bar shall be placed directly above the studs of the rail post anchor device.

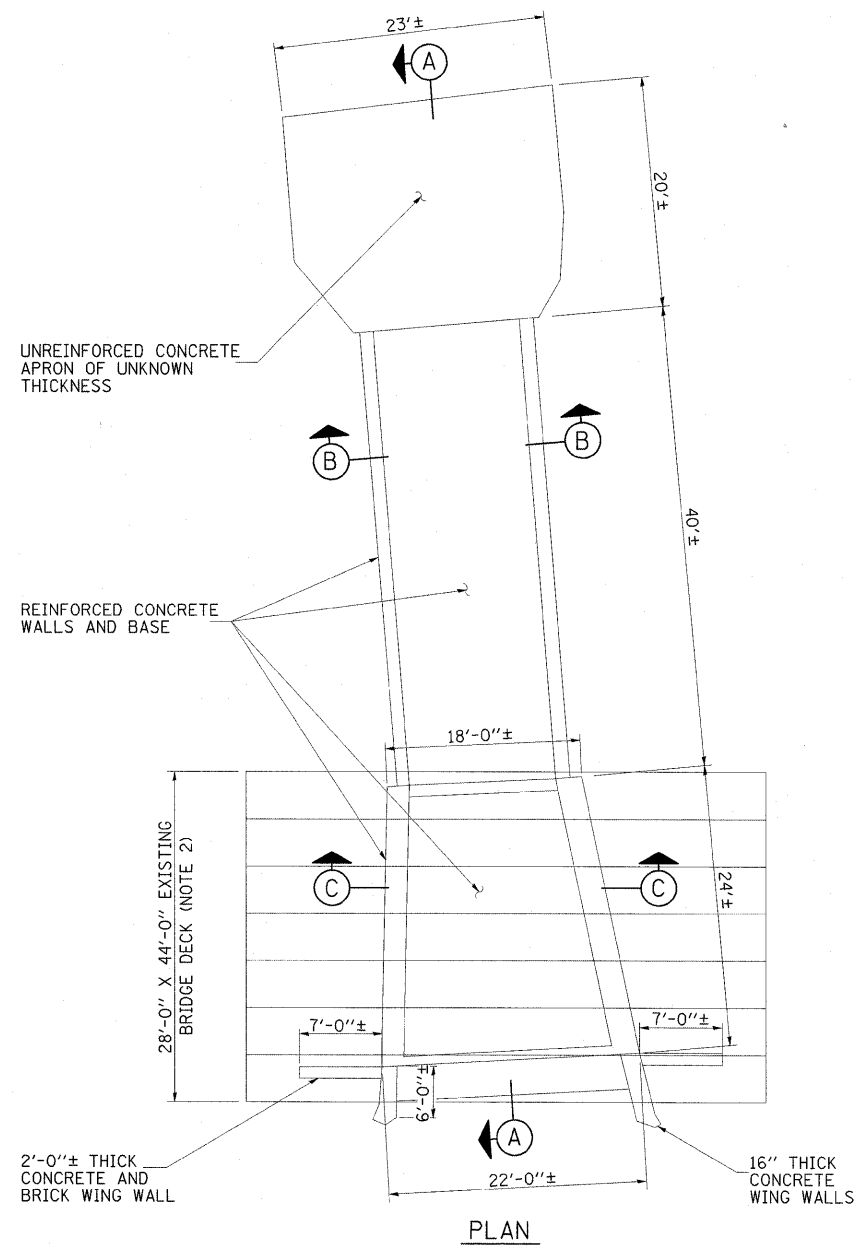


** Whenever the lower insert assemblies interfere with strand locations, the #3 bars shall be cut and adjusted in order to allow raising or lowering of the lower inserts. Maximum adjustment not to exceed 1/2".

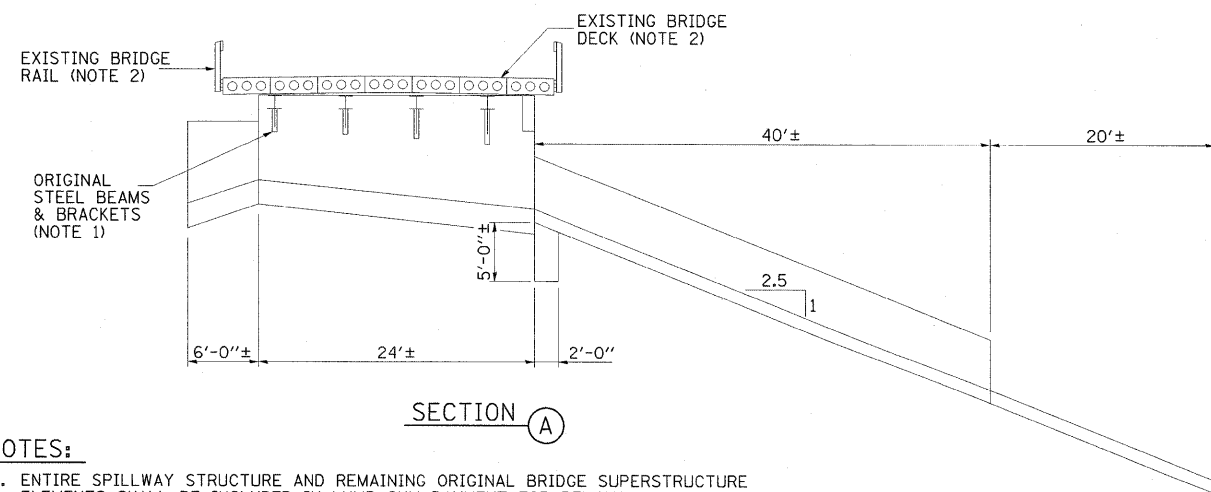


BILL OF MATERIAL

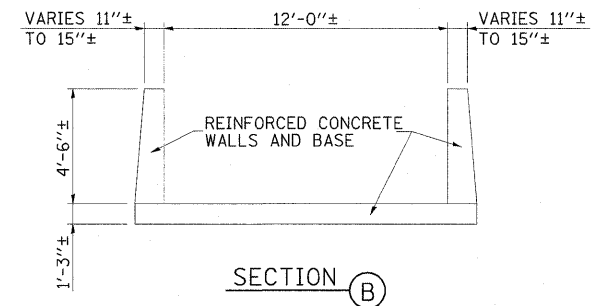
Item	Unit	Quantity
Steel Railing, Type S-1	Foot	88



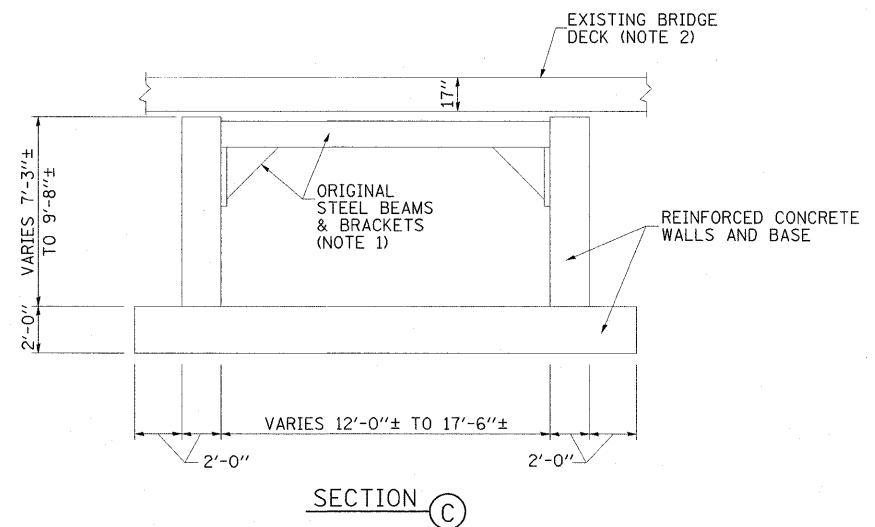
PLAN



SECTION A



SECTION B

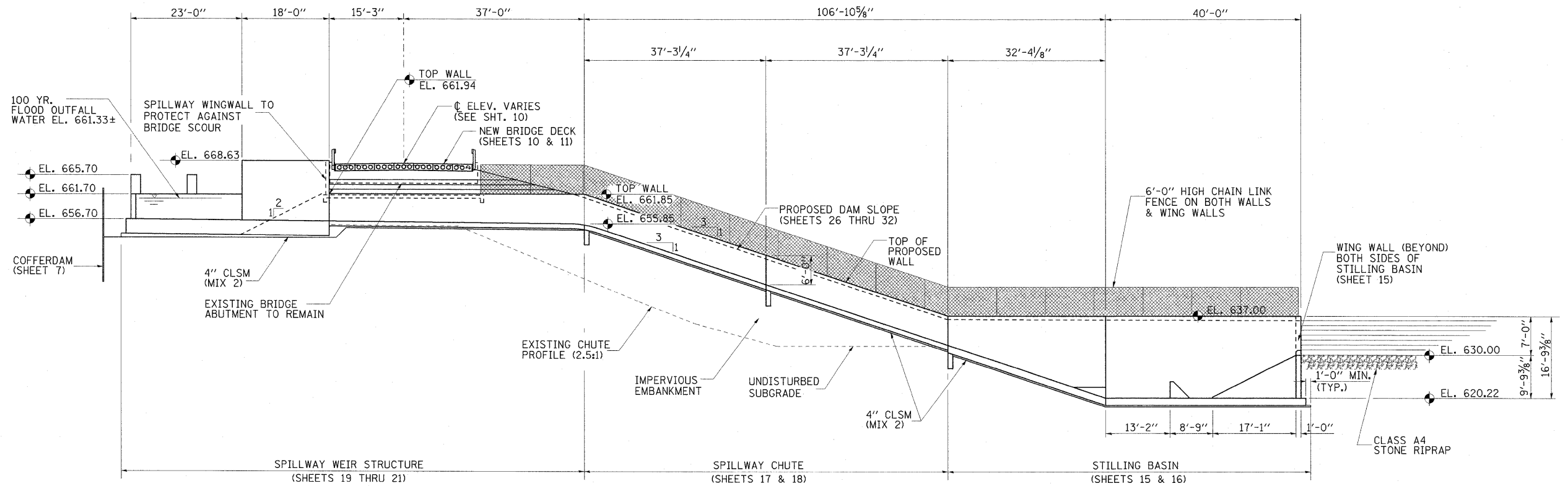


SECTION C

NOTES:

- ENTIRE SPILLWAY STRUCTURE AND REMAINING ORIGINAL BRIDGE SUPERSTRUCTURE ELEMENTS SHALL BE INCLUDED IN LUMP SUM PAYMENT FOR REMOVAL OF EXISTING STRUCTURES.
- EXISTING PRESTRESSED CONCRETE BRIDGE DECK BEAMS AND BRIDGE RAIL SHALL BE REMOVED. EXISTING PILE BENT ABUTMENTS SHALL REMAIN IN PLACE TO SUPPORT NEW BRIDGE DECK.

FILE NAME = ...Removals.ExSpwy_BrDeck_P&S.dgn	USER NAME = Kristin Timmons	DESIGNED - KLT/JJF	REVISED -	NIEMANVILLE TRAIL MONTGOMERY COUNTY, ILLINOIS	EXISTING SPILLWAY AND BRIDGE DECK REMOVALS PLAN AND SECTIONS F.A.U. ROUTE 8243			F.A.U. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 13
PLOT SCALE = 8,000.0' / IN.	PLOT DATE = 3/3/2010	DRAWN - GLD	REVISED -		SCALE: N/A	SHEET NO. 13 OF 32 SHEETS	STA.	TO STA.	CONTRACT NO. 93537			
		CHECKED - KLT/JJF	REVISED -		FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT							
		DATE - 3/2/2010	REVISED -									



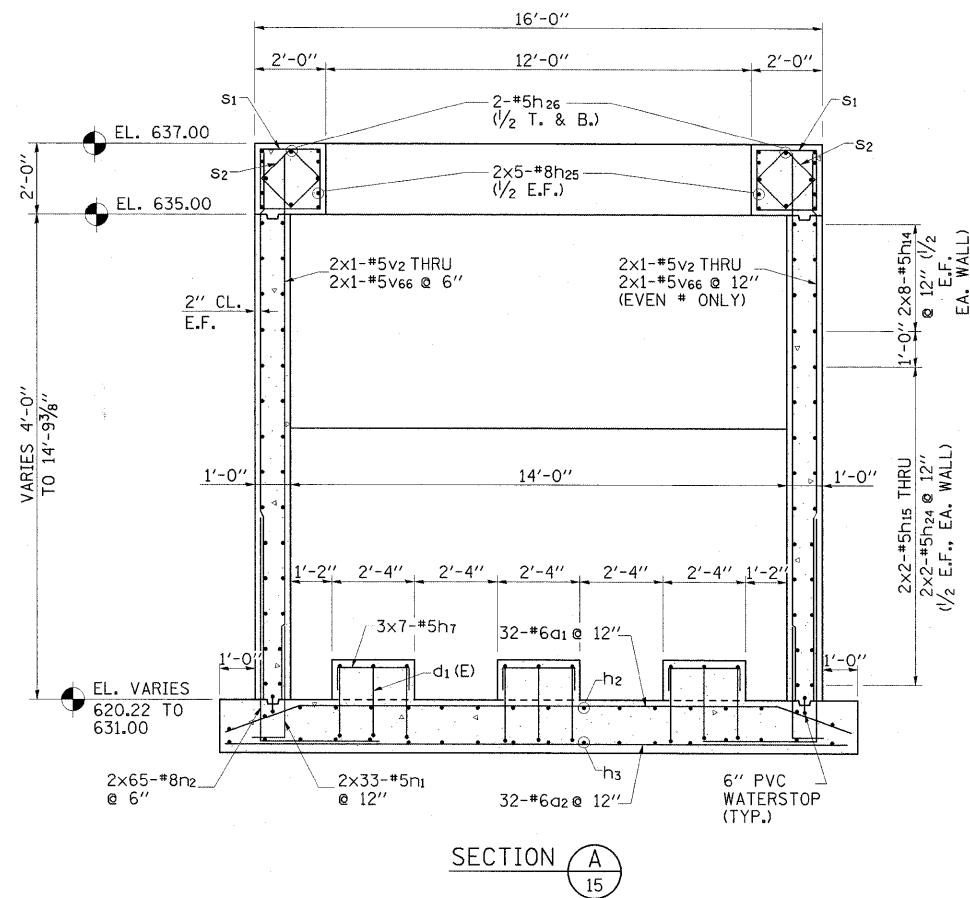
PROPOSED SPILLWAY PROFILE

STRUCTURE
TOTAL BILL OF MATERIAL

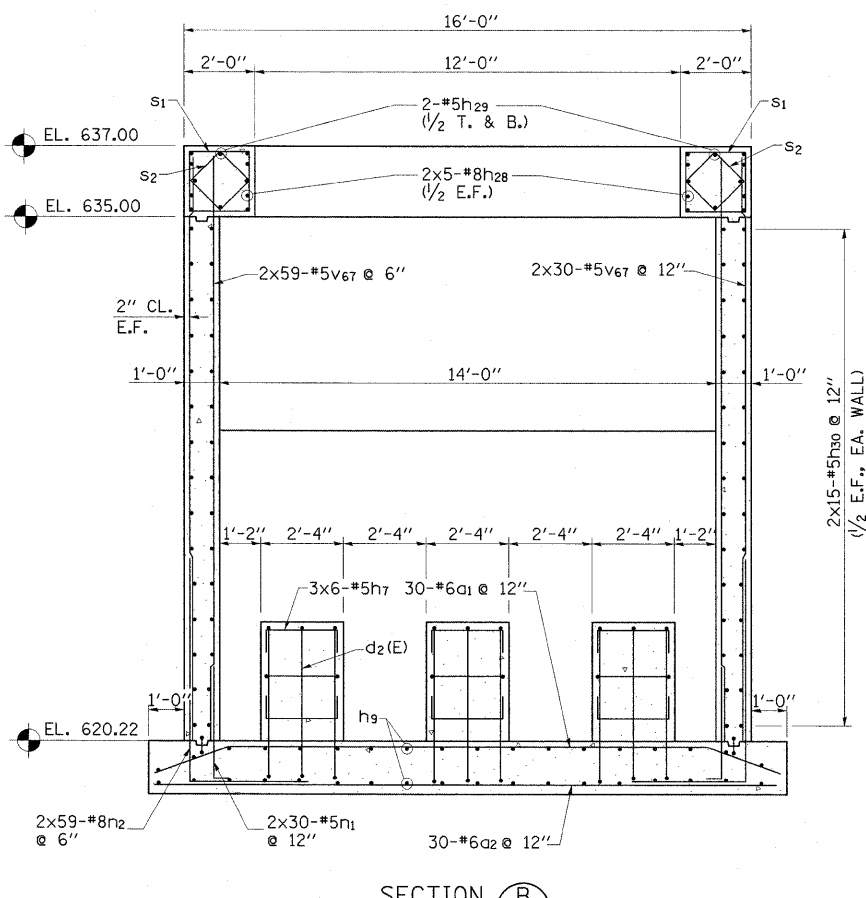
ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU. YD.	491.1
REINFORCEMENT BARS	POUND	71,440
REINFORCEMENT BARS EPOXY COATED	POUND	290
6" PVC WATERSTOP	FOOT	521
SLUICE GATE	EACH	1
CONTROLLED LOW-STRENGTH MATERIAL	CU. YD.	224.1
STRUCTURE EXCAVATION	CU. YD.	565

BILL OF MATERIAL

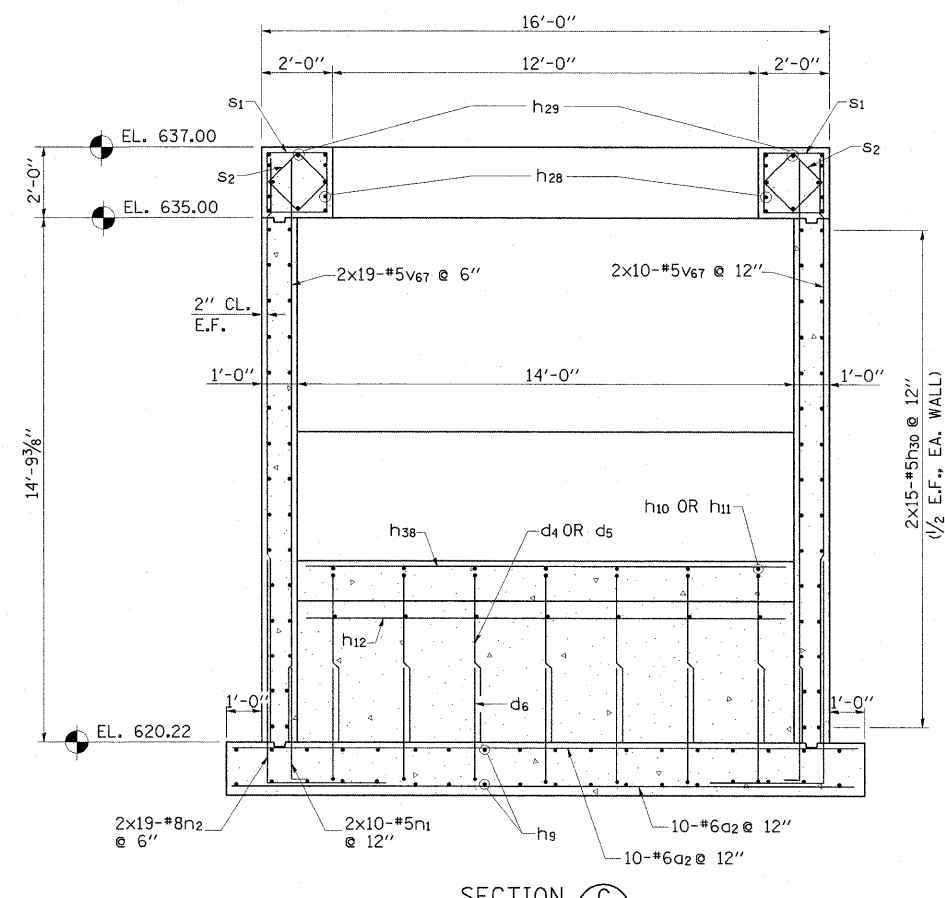
ITEM	UNIT	QUANTITY
STRUCTURE EXCAVATION	CU. YD.	565
CONTROLLED LOW STRENGTH MATERIAL (MIX 2)	CU. YD.	64.1



SECTION A
15



SECTION B
15



SECTION C
15

SPILLWAY STILLING BASIN
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a1	62	6	17'-11"	
a2	82	6	17'-6"	
d1(E)	9	5	12'-0"	
d2(E)	9	5	12'-0"	
d3	7	5	5'-7"	
d4	7	5	5'-11"	
d5	7	5	7'-11"	
d6	14	5	4'-1"	
d7(E)	7	5	4'-1"	
d8(E)	7	5	4'-2"	
d9	7	5	3'-10"	
h1	8	5	5'-0"	
h2	18	5	36'-3"	
h3	18	5	33'-2"	
h4	18	5	5'-0"	
h5	18	5	5'-10"	
h6	6	5	17'-6"	
h7	39	5	3'-8"	
h8	36	5	4'-7"	
h9	36	5	40'-9"	
h10	7	5	11'-1"	
h11	7	5	9'-8"	
h12	7	5	11'-9"	
h13	20	5	18'-6"	
h14	16	5	32'-0"	
h15	4	5	30'-2"	
h16	4	5	27'-2"	
h17	4	5	24'-2"	
h18	4	5	21'-2"	
h19	4	5	18'-2"	
h20	4	5	15'-2"	
h21	4	5	12'-2"	
h22	4	5	9'-2"	

BILL OF MATERIAL (CONT.)

BAR	NO.	SIZE	LENGTH	SHAPE
h23	4	5	6'-2"	
h24	4	5	3'-2"	
h25	20	8	37'-4"	
h26	4	5	34'-3"	
h27	24	5	4'-6"	
h28	20	8	39'-9"	
h29	4	5	39'-9"	
h30	120	5	21'-0"	
h31	68	5	11'-8"	
h32	32	5	4'-6"	
h33	24	5	14'-0"	
h34	16	8	10'-6"	
h35	4	8	15'-8"	
h36	8	8	12'-4"	
h37	16	8	8'-4"	
h38	21	5	13'-8"	
h39	4	5	7'-3"	
n1	174	5	4'-3"	
n2	286	8	11'-7"	
n3	24	6	5'-10"	
n4	24	5	8'-0"	
S1	192	4	7'-5"	
S2	136	4	5'-5"	
v1	28	5	9'-7"	
v2	4	5	5'-10"	
v3	2	5	6'-0"	
v4	4	5	6'-2"	
v5	2	5	6'-4"	
v6	4	5	6'-6"	
v7	2	5	6'-8"	
v8	4	5	6'-10"	
v9	2	5	7'-0"	

BILL OF MATERIAL (CONT.)

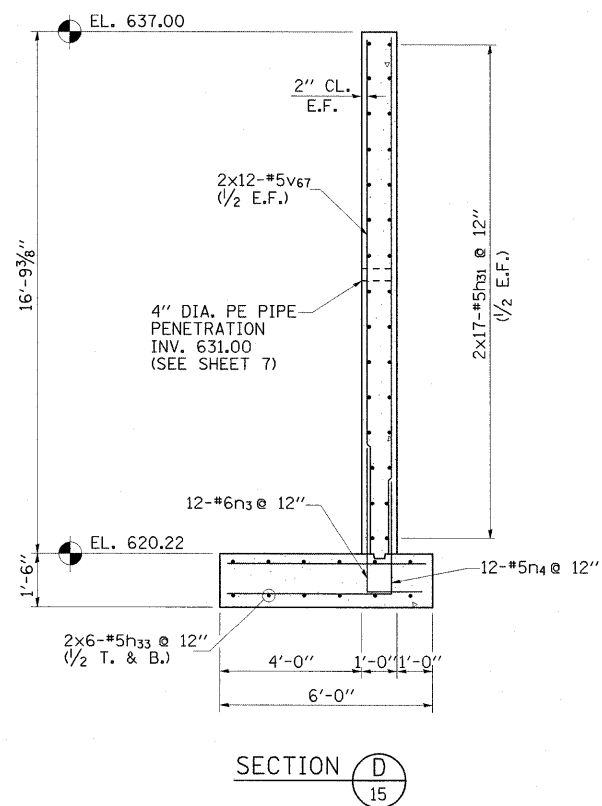
BAR	NO.	SIZE	LENGTH	SHAPE
v10	4	5	7'-2"	
v11	2	5	7'-4"	
v12	4	5	7'-6"	
v13	2	5	7'-8"	
v14	4	5	7'-10"	
v15	2	5	8'-0"	
v16	4	5	8'-2"	
v17	2	5	8'-4"	
v18	4	5	8'-6"	
v19	2	5	8'-8"	
v20	4	5	8'-10"	
v21	2	5	9'-0"	
v22	4	5	9'-2"	
v23	2	5	9'-4"	
v24	4	5	9'-6"	
v25	2	5	9'-8"	
v26	4	5	9'-10"	
v27	2	5	10'-0"	
v28	4	5	10'-2"	
v29	2	5	10'-4"	
v30	4	5	10'-6"	
v31	2	5	10'-8"	
v32	4	5	10'-10"	
v33	2	5	11'-0"	
v34	4	5	11'-2"	
v35	2	5	11'-4"	
v36	4	5	11'-6"	
v37	2	5	11'-8"	
v38	4	5	11'-10"	
v39	2	5	12'-0"	
v40	4	5	12'-2"	
v41	2	5	12'-4"	
v42	4	5	12'-6"	
v43	2	5	12'-8"	
v44	4	5	12'-10"	

BILL OF MATERIAL (CONT.)

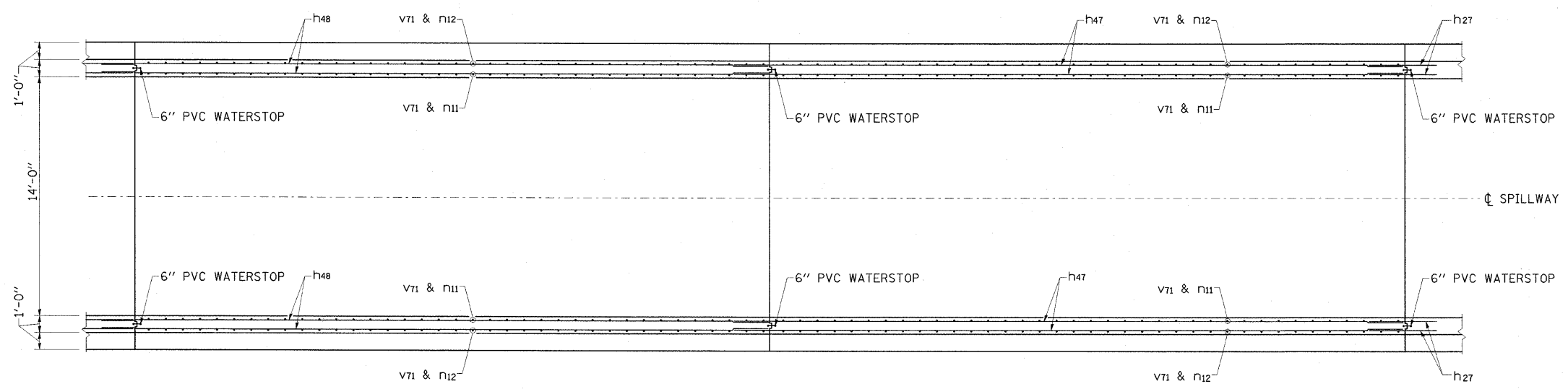
BAR	NO.	SIZE	LENGTH	SHAPE
v45	2	5	13'-0"	
v46	4	5	13'-2"	
v47	2	5	13'-4"	
v48	4	5	13'-6"	
v49	2	5	13'-8"	
v50	4	5	13'-10"	
v51	2	5	14'-0"	
v52	4	5	14'-2"	
v53	2	5	14'-4"	
v54	4	5	14'-6"	
v55	2	5	14'-8"	
v56	4	5	14'-10"	
v57	2	5	15'-0"	
v58	4	5	15'-2"	
v59	2	5	15'-4"	
v60	4	5	15'-6"	
v61	2	5	15'-8"	
v62	4	5	15'-10"	
v63	2	5	16'-0"	
v64	4	5	16'-2"	
v65	2	5	16'-4"	
v66	4	5	16'-6"	
v67	284	5	16'-7"	

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU. YD.	211.2
REINFORCEMENT BARS	POUND	37,820
REINFORCEMENT BARS (EPOXY COATED)	POUND	290

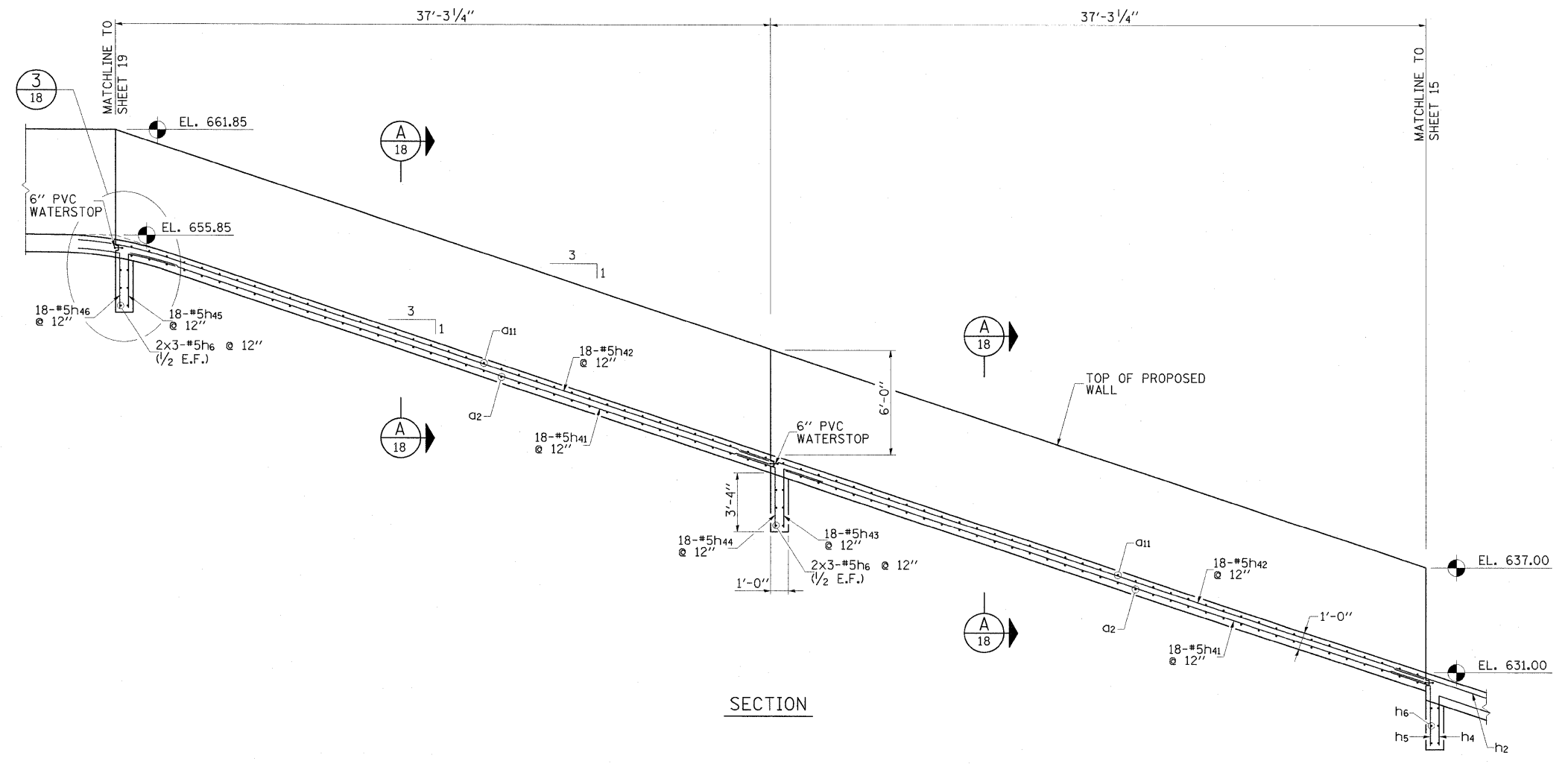
SEE SHEET 23 OF 32 FOR BAR BEND DETAILS



SECTION D
15



PLAN



SECTION

FILE NAME = ...NPr_SpwyChute_P5&0.tls.dgn
 USER NAME = Kristin Timmons
 PLOT SCALE = 4.0000' / IN.
 PLOT DATE = 3/3/2010

DESIGNED - KLT/JJF
 DRAWN - GLD
 CHECKED - KLT/JJF
 DATE - 3/2/2010

REVISED -
 REVISED -
 REVISED -
 REVISED -

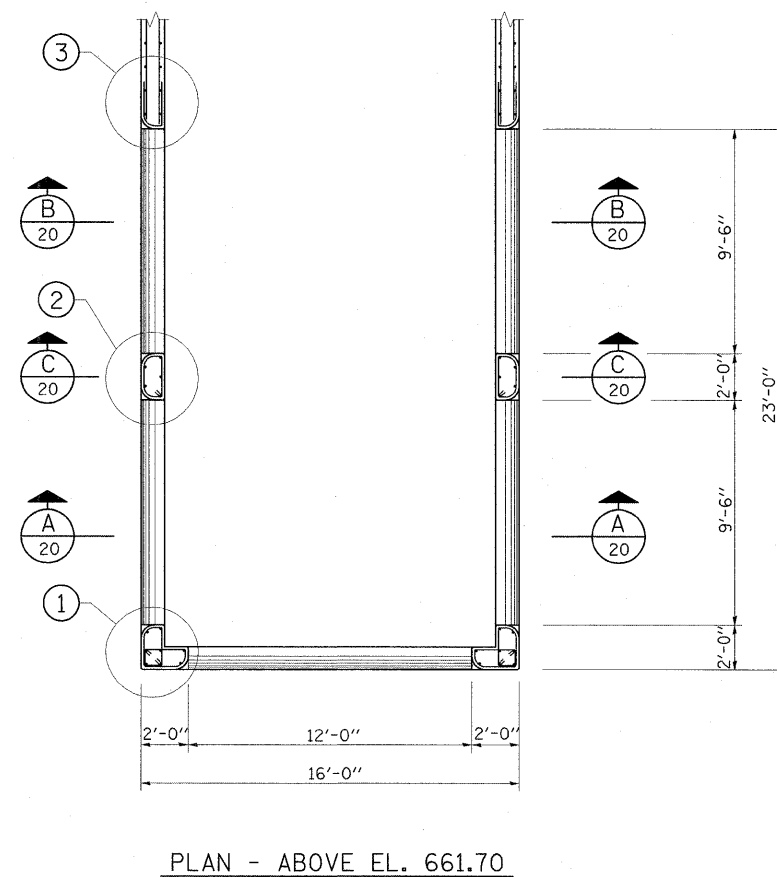
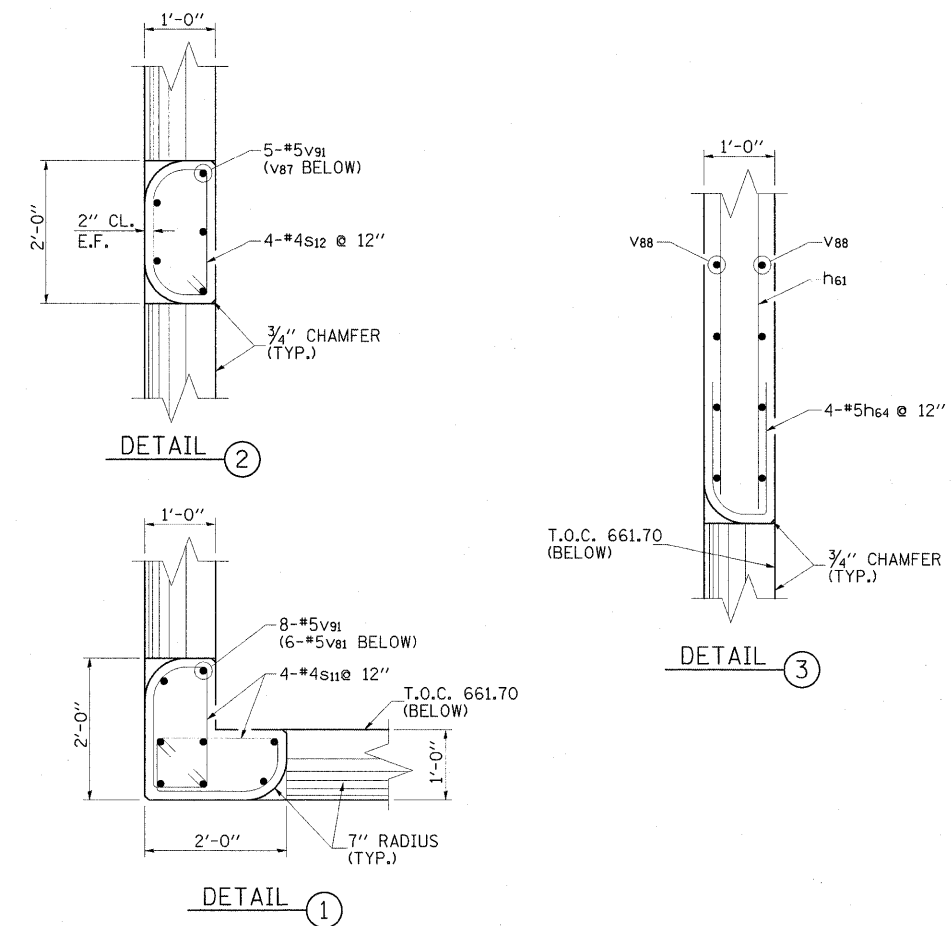
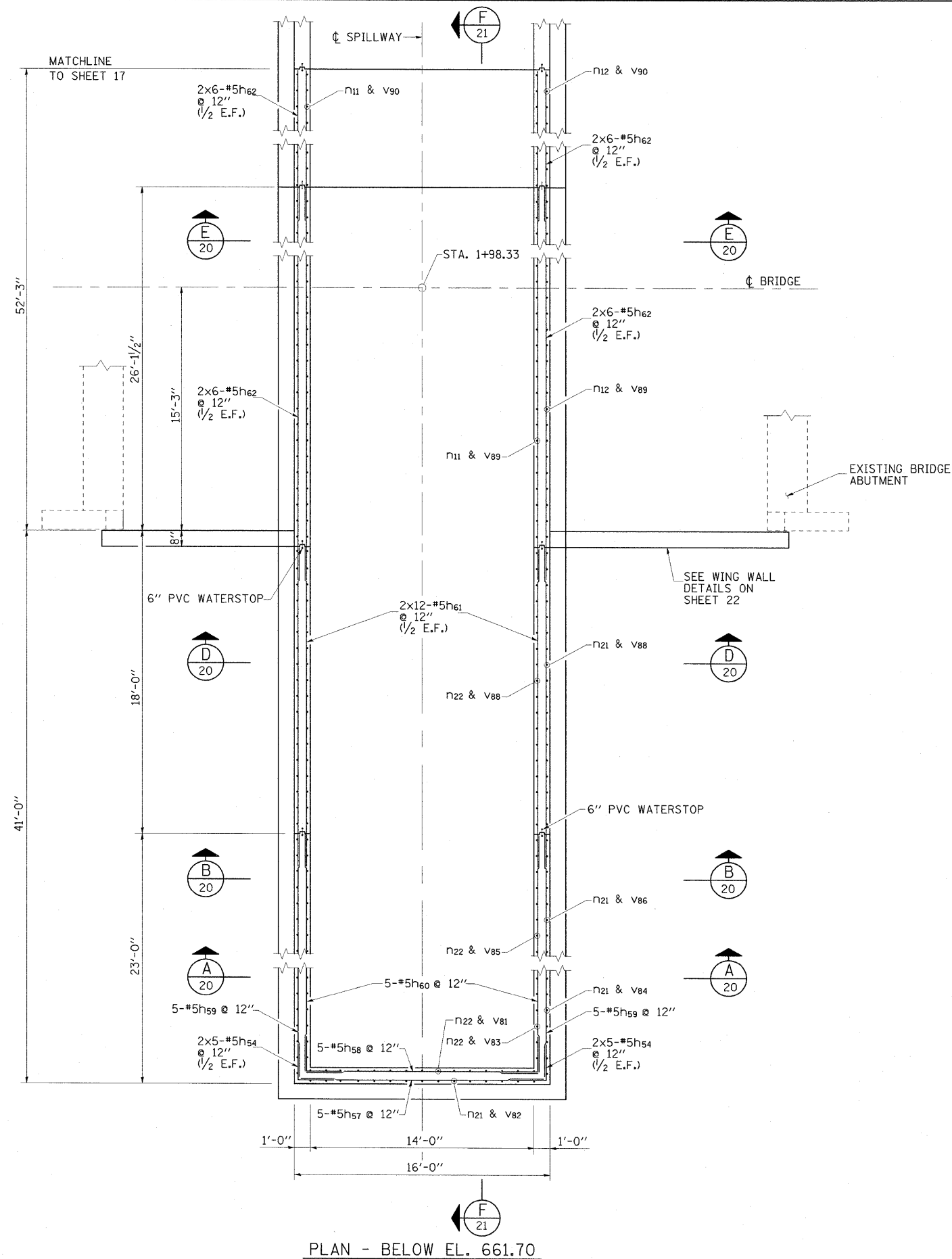
**NIEMANVILLE TRAIL
 MONTGOMERY COUNTY, ILLINOIS**

**PROPOSED SPILLWAY CHUTE PLAN & SECTION
 F.A.U. ROUTE 8243**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	17
				CONTRACT NO. 93537

SCALE: N/A SHEET NO. 17 OF 32 SHEETS STA. TO STA.

FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT



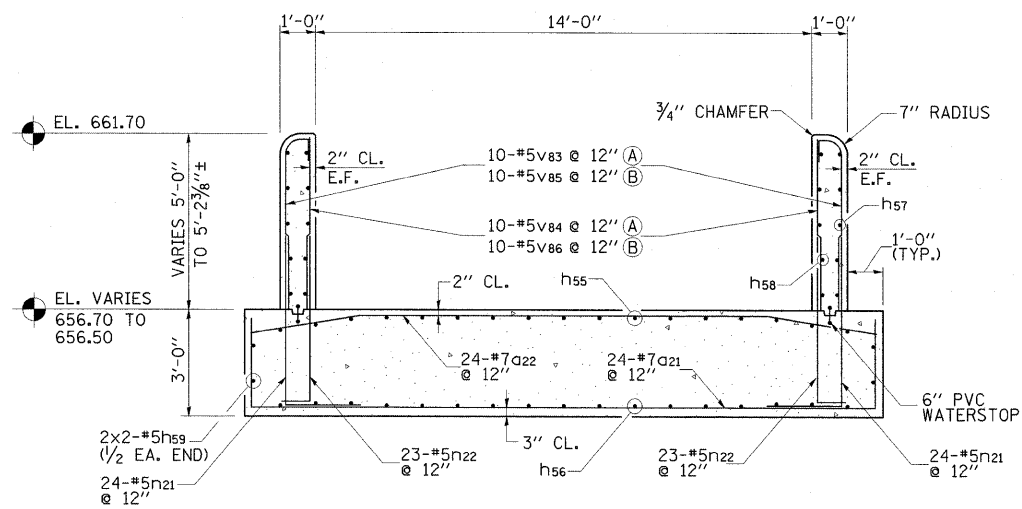
FILE NAME = ...NPr_Spwy_weirstr_PS&D.tldgn	USER NAME = Kristin Timmons	DESIGNED - KLT/JJF	REVISED -
PLOT SCALE = 4.0000' / IN.	DRAWN - GLD	REVISIONS -	REVISIONS -
PLOT DATE = 3/3/2010	CHECKED - KLT/JJF	REVISIONS -	REVISIONS -
	DATE - 3/2/2010	REVISIONS -	REVISIONS -

**NIEMANVILLE TRAIL
MONTGOMERY COUNTY, ILLINOIS**

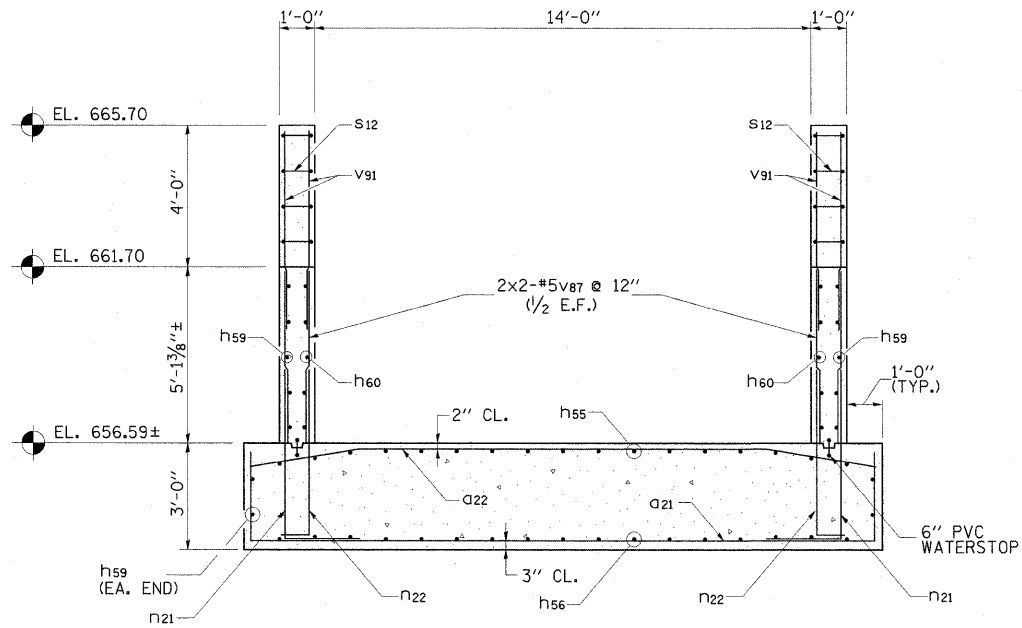
**PROPOSED SPILLWAY WEIR STRUCTURE PLAN & DETAILS
F.A.U. ROUTE 8243**

SCALE: N/A SHEET NO. 19 OF 32 SHEETS STA. TO STA.

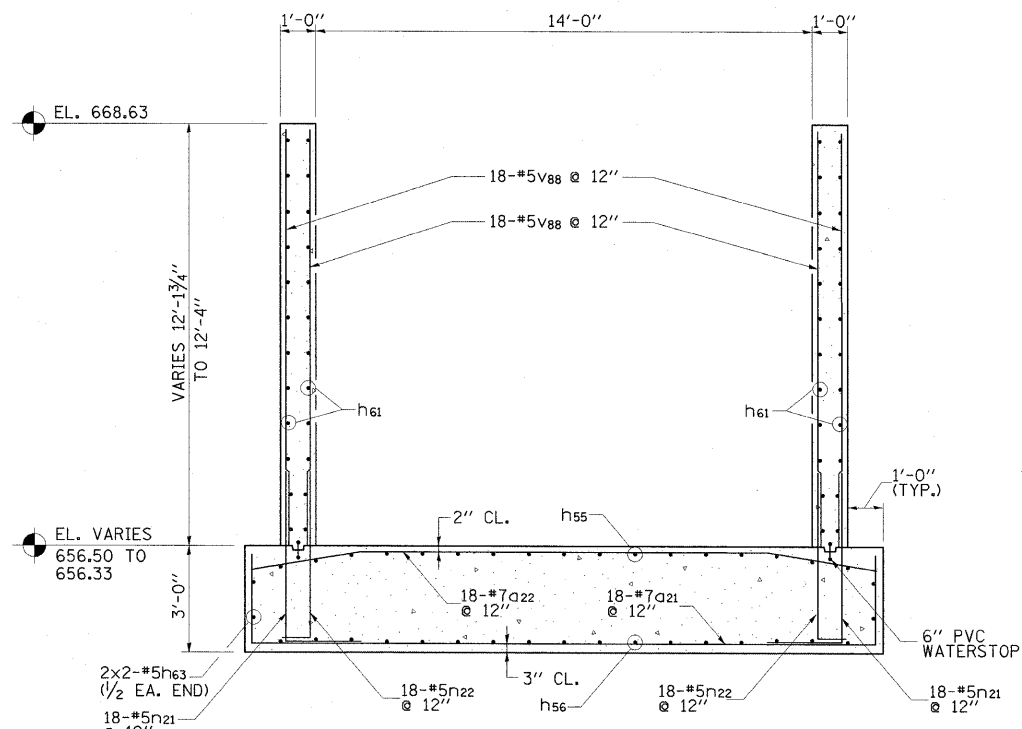
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	19
CONTRACT NO. 93537				
FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT				



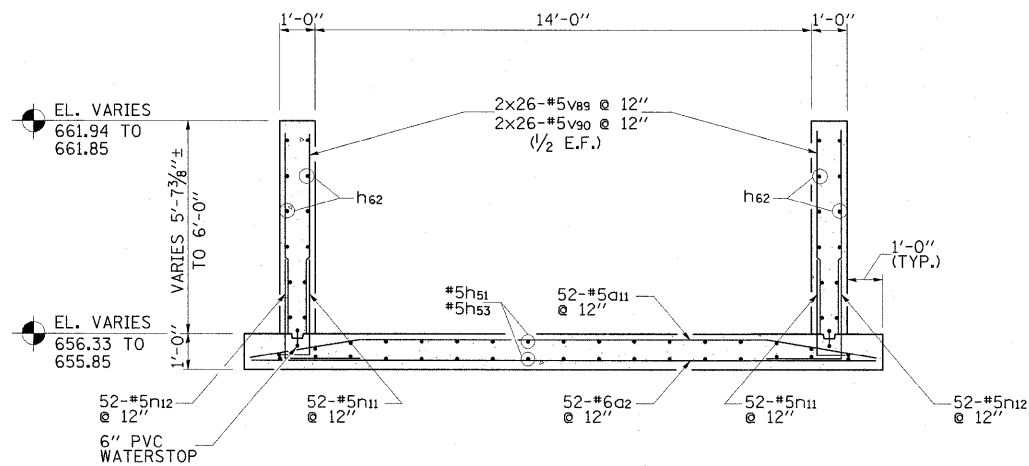
SECTION A B
19 19



SECTION C
19

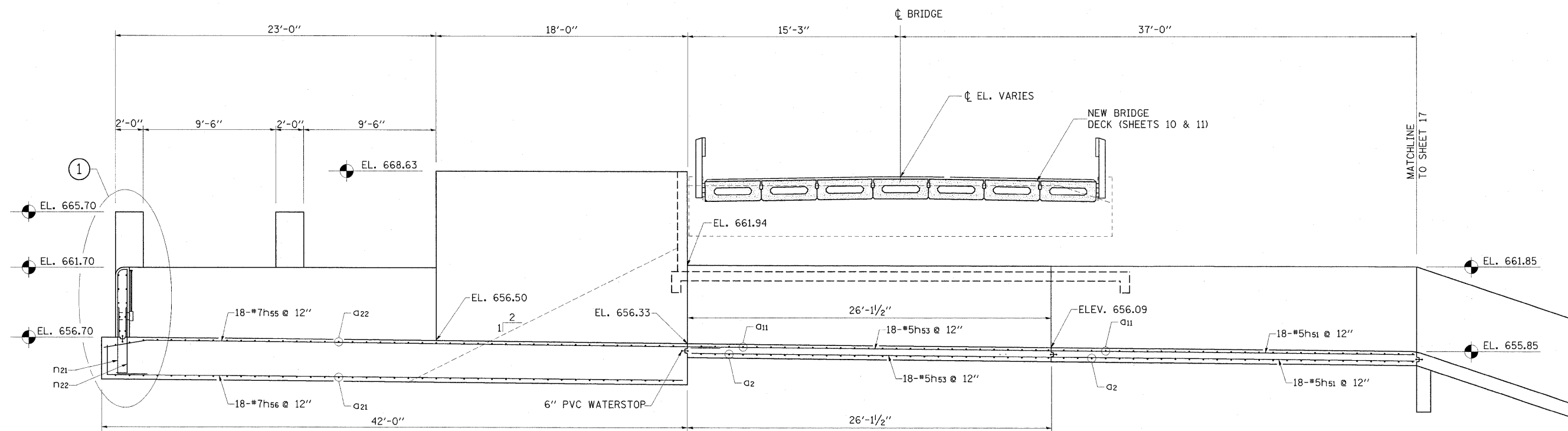


SECTION D
19



SECTION E
19

FILE NAME = ...NPr_Spwy_weirstr_Sections.dgn	USER NAME = Kristin Timmons	DESIGNED - KLT/JJF	REVISED -	NIEMANVILLE TRAIL MONTGOMERY COUNTY, ILLINOIS	PROPOSED SPILLWAY WEIR STRUCTURE SECTIONS F.A.U. ROUTE 8243			F.A.U. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 20
PLOT SCALE = 2.6856' / IN.	CHECKED - KLT/JJF	DATE - 3/2/2010	REVISED -		SCALE: N/A	SHEET NO. 20 OF 32 SHEETS	STA. TO STA.	CONTRACT NO. 93537				
PLOT DATE = 3/3/2012	CHECKED -	DATE -	REVISED -		FED. ROAD DIST. NO. 6 ILLINOIS FED. AID PROJECT							



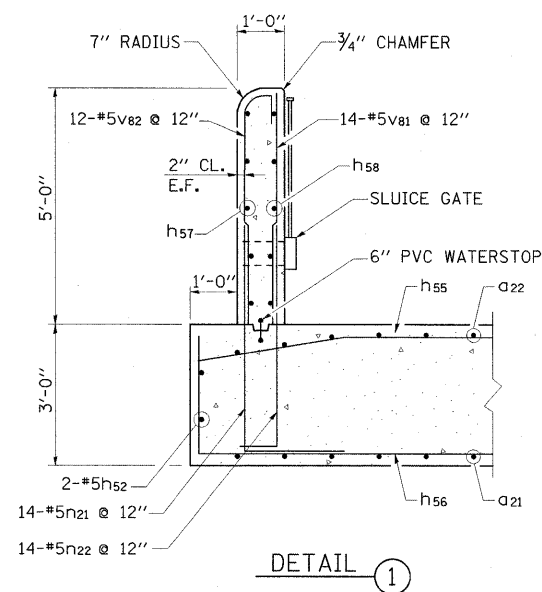
SECTION **F**
19

WEIR STR.-BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
a2	52	6	17'-6"	—
a11	52	5	17'-9"	—
a21	42	7	22'-6"	—
a22	42	7	17'-9"	—
h51	36	5	28'-3"	—
h52	2	5	17'-6"	—
h53	36	5	26'-0"	—
h54	20	5	4'-6"	L
h55	18	7	44'-2"	—
h56	18	7	41'-6"	—
h57	5	5	15'-6"	—
h58	5	5	14'-6"	—
h59	14	5	22'-9"	—
h60	10	5	22'-2"	—
h61	48	5	20'-2"	—
h62	48	5	28'-11"	—
h63	4	5	20'-3"	—
h64	8	5	5'-5"	U
n11	104	5	3'-10"	—
n12	104	5	5'-3"	—
n21	98	5	7'-3"	L
n22	96	5	5'-10"	L
s11	16	4	5'-2"	□
s12	8	4	5'-1"	□

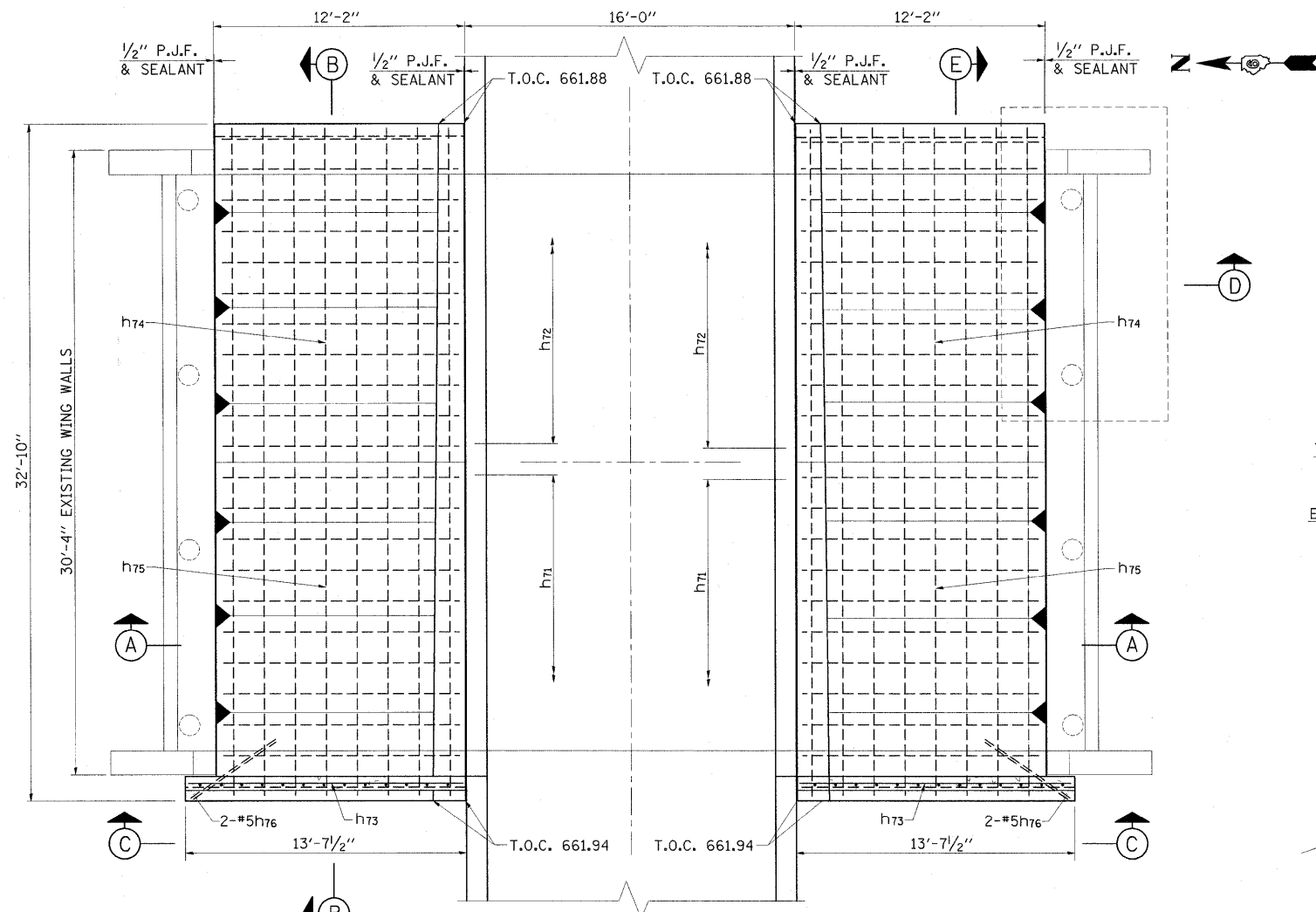
BILL OF MATERIAL (CONT.)

BAR	NO.	SIZE	LENGTH	SHAPE
v81	22	5	4'-9"	—
v82	12	5	5'-10"	—
v83	20	5	5'-11"	—
v84	20	5	4'-10"	—
v85	20	5	6'-0"	—
v86	20	5	5'-0"	—
v87	8	5	4'-11"	—
v88	72	5	12'-1"	—
v89	104	5	5'-7"	—
v90	104	5	5'-9"	—
v91	26	5	6'-1"	—
ITEM	UNIT	QUANTITY		
CONCRETE STRUCTURES	CU. YD.	167		
REINFORCEMENT BARS	POUND	19,800		
SLUICE GATE	EACH	1		

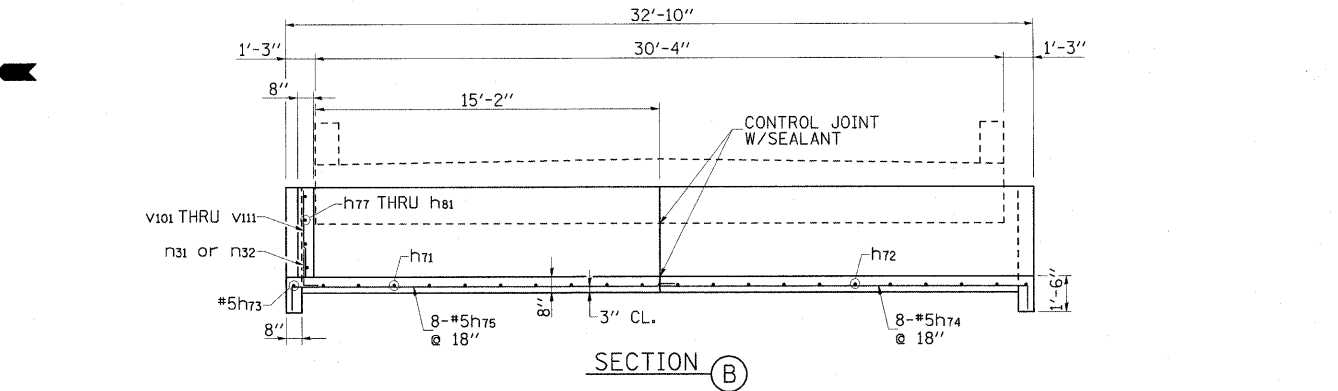


DETAIL **1**

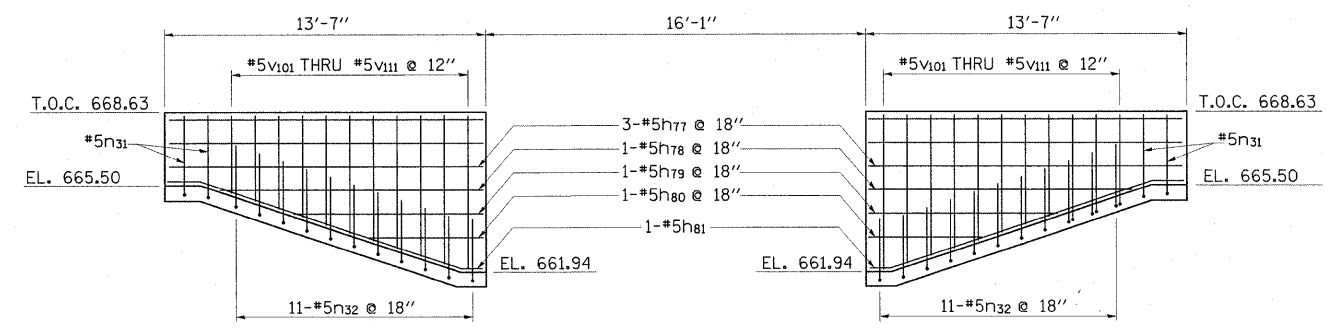
SEE SHEET 23 OF 32 FOR BAR BEND DETAILS



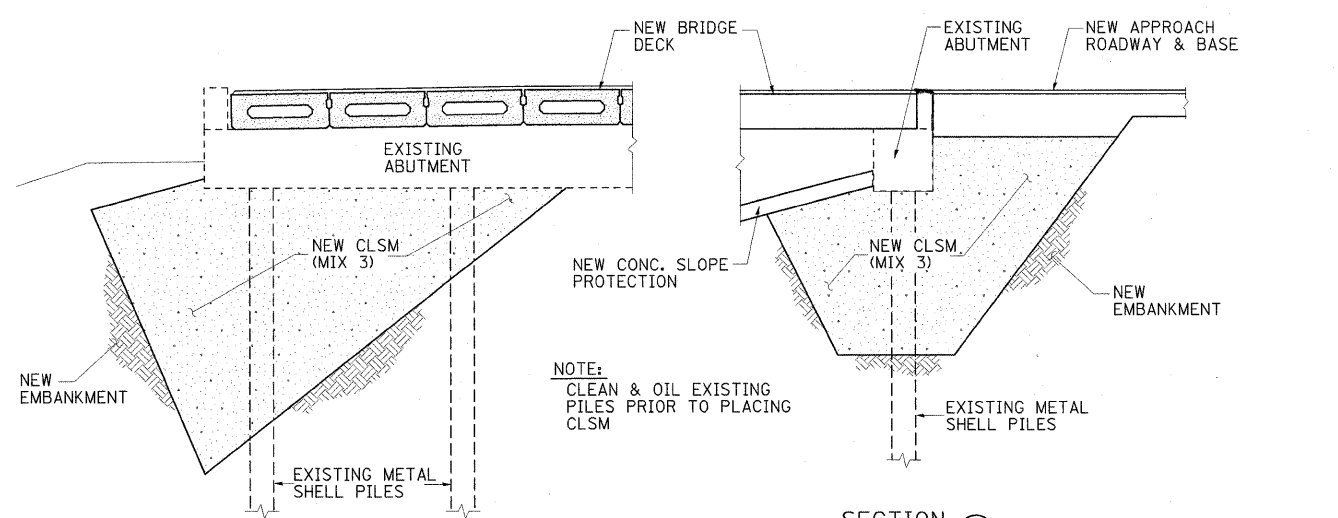
PLAN - SLOPEWALLS



SECTION B



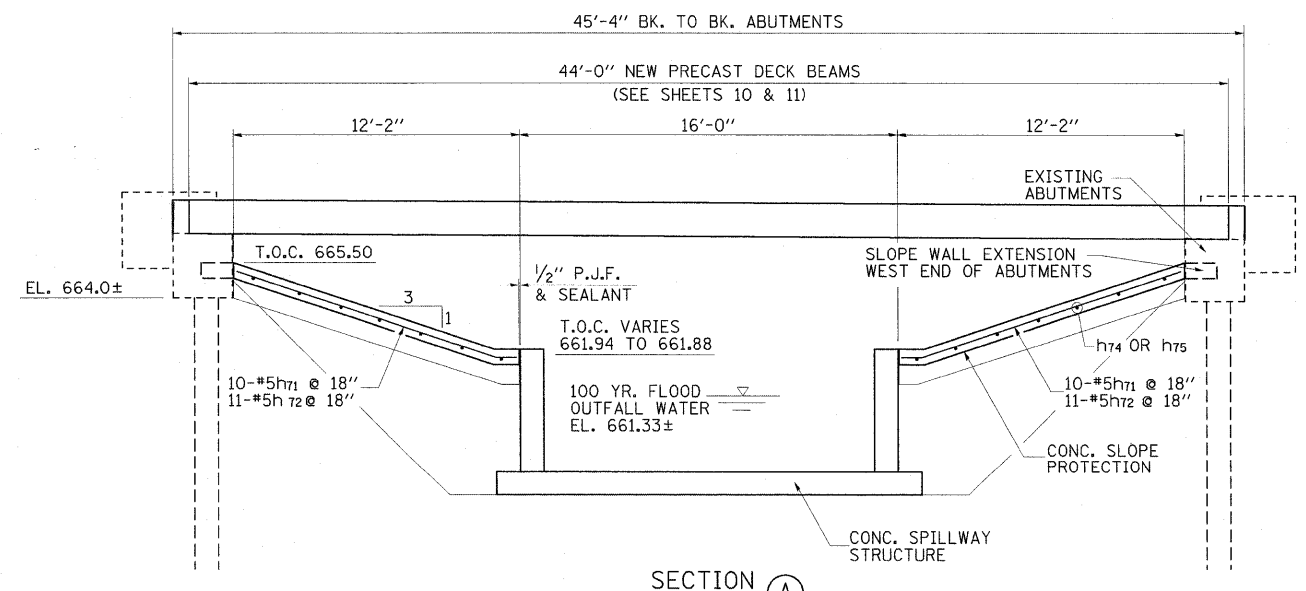
ELEVATION C



SECTION D

NOTE:
CLEAN & OIL EXISTING PILES PRIOR TO PLACING CLSM

PILE REPAIR



SECTION A

SLOPE WALL-BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	SHAPE
h71	20	5	12'-6"	—
h72	22	5	12'-6"	—
h73	2	5	13'-10"	—
h74	16	5	17'-0"	—
h75	16	5	19'-5"	—
h76	4	5	5'-0"	—
h77	6	5	13'-3"	—
h78	2	5	11'-1"	—
h79	2	5	8'-0"	—
h80	2	5	4'-10"	—
h81	2	5	14'-3"	—
n31	4	5	4'-3"	J
n32	22	5	3'-6"	J

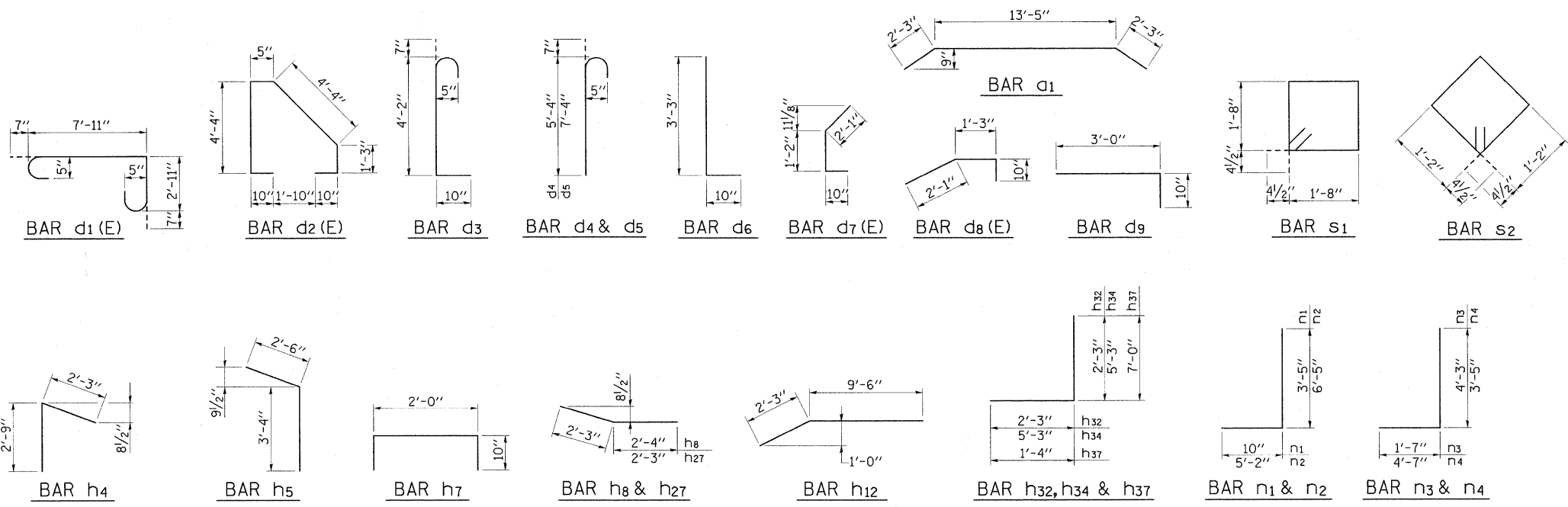
BILL OF MATERIAL (CONT.)

BAR	NO.	SIZE	LENGTH	SHAPE
v101	2	5	3'-3"	—
v102	2	5	3'-7"	—
v103	2	5	3'-11"	—
v104	2	5	4'-3"	—
v105	2	5	4'-7"	—
v106	2	5	4'-11"	—
v107	2	5	5'-3"	—
v108	2	5	5'-7"	—
v109	2	5	5'-11"	—
v110	2	5	6'-3"	—
v111	2	5	6'-6"	—

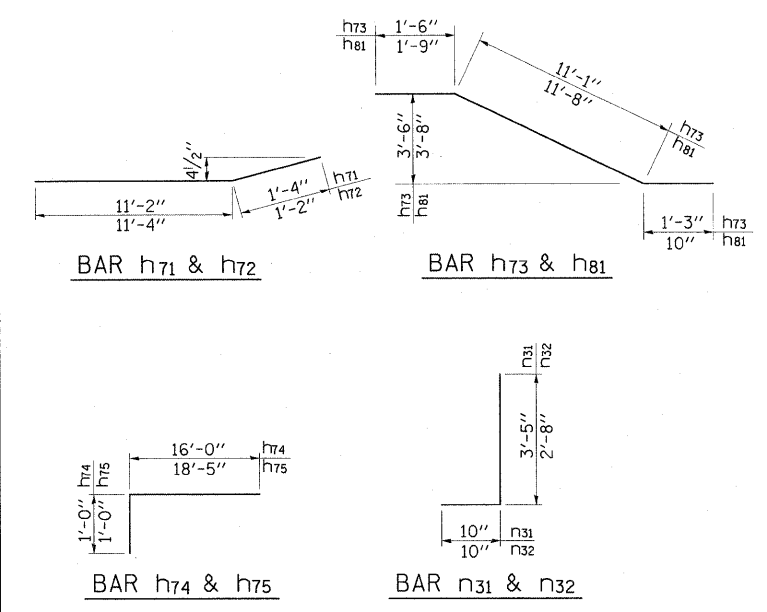
BILL OF MATERIAL (CONT.)

ITEM	UNIT	QUANTITY
CONCRETE STRUCTURES	CU. YD.	25.6
REINFORCEMENT BARS	POUND	1580
CONTROLLED LOW-STRENGTH MATERIAL (MIX 3)	CU. YD.	160

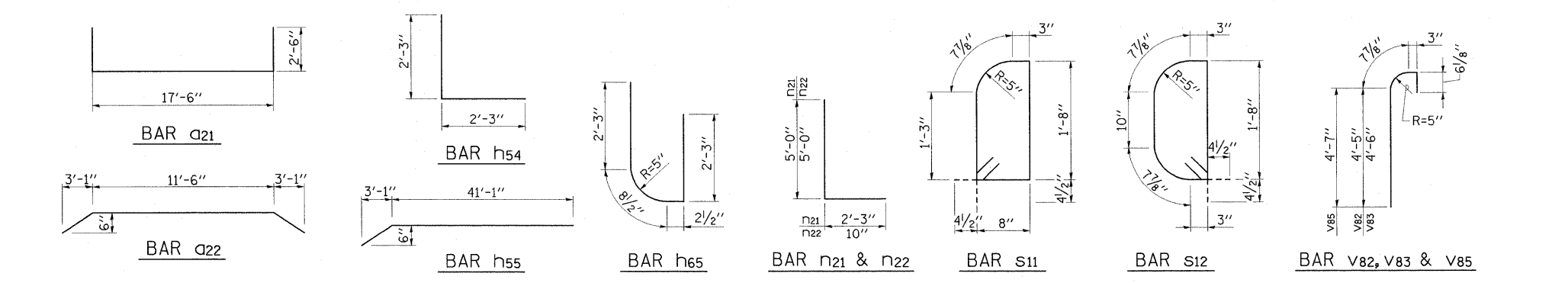
SEE SHEET 23 OF 32 FOR BAR BEND DETAILS



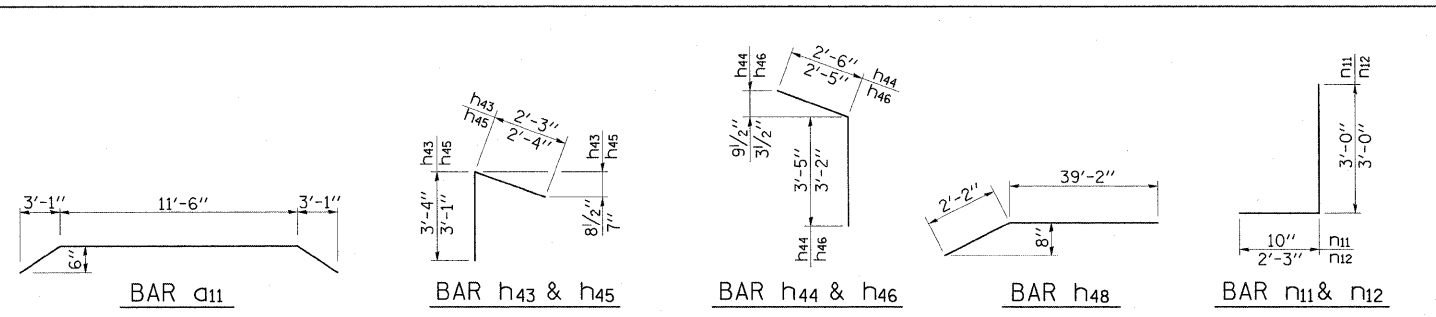
STILLING BASIN BAR BEND DETAILS



SLOPE WALL
BAR BEND DETAILS

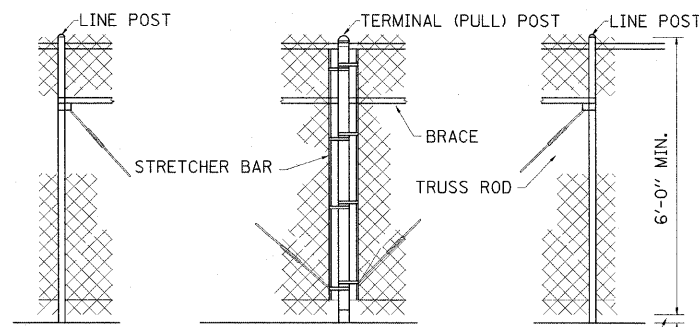


WEIR STRUCTURE BAR BEND DETAILS



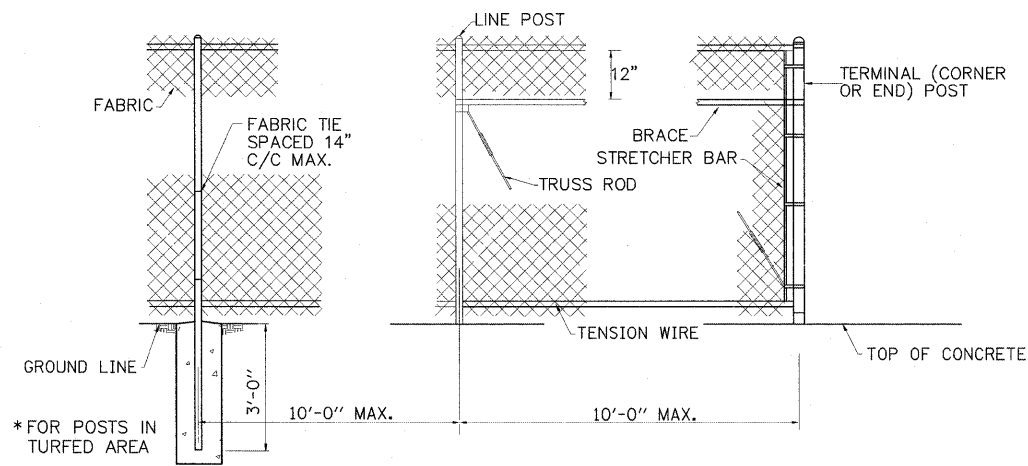
SPILLWAY CHUTE BAR BEND DETAILS

FILE NAME = ...sheets\Pr_Bar_Bend_Details.dgn	USER NAME = Kristin Timmons	DESIGNED - BWF/JJF	REVISED -	NIEMANVILLE TRAIL MONTGOMERY COUNTY, ILLINOIS	PROPOSED REINFORCEMENT BAR BEND DETAILS F.A.U. ROUTE 8243			F.A.U. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 23
	PLOT SCALE = 2.6656" / IN.	DRAWN - GLD	REVISED -		SCALE: N/A	SHEET NO. 23 OF 32 SHEETS	STA. TO STA.	CONTRACT NO. 93537				
	PLOT DATE = 3/3/2010	CHECKED - KLT/JJF	REVISED -		FED. ROAD DIST. NO. 6 [ILLINOIS] FED. AID PROJECT							
		DATE - 3/2/2010	REVISED -									

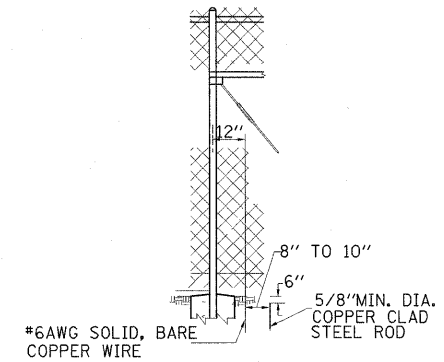


PULL POSTS SHALL BE PLACED AT LOCATIONS DETERMINED BY THE ENGINEER. THEY SHALL BE PLACED AT 600-FOOT INTERVALS BETWEEN POSTS WHICH THE ENDS OF THE FABRIC ARE CLAMPED OR MIDWAY BETWEEN SUCH POSTS WHEN THE DISTANCE IS LESS THAN 1320' AND GREATER THAN 660'.

PULL POST ARRANGEMENT
NTS



LINE POST ARRANGEMENT **TERMINAL OR END POST ARRANGEMENT**
NTS



STANDARD GROUND
NTS

PROTECTIVE ELECTRICAL GROUNDS

FENCE IN TURFED AREA SHALL BE GROUNDED AT INTERVALS OF 50'. THE GROUND WIRE SHALL BE CONNECTED TO THE FABRIC AND THE GROUND ROD BY A MECHANICAL CLAMP OF CAST BRONZE BODY AND BRONZE OR STAINLESS STEEL BOLTS AND WASHERS.

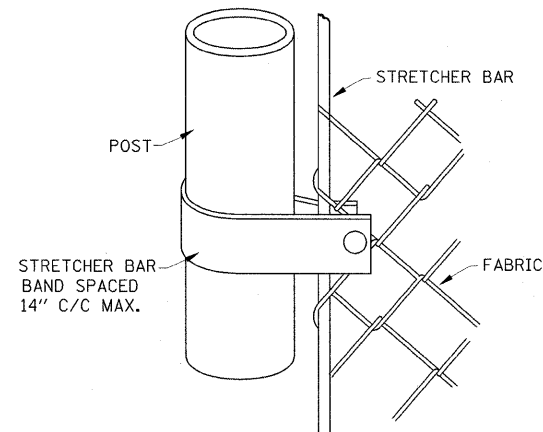
HORIZONTAL BRACES — SIZES & WEIGHTS	
SECTION	LBS./LIN. FEET
PIPE TYPE A 1.66" O.D.	2.27
PIPE TYPE B 1.66" O.D.	1.83
PIPE TYPE C 1.66" O.D.	1.82
"H" (1.31" X 1.5")	2.25
ROLL FORMED 1 5/8" X 1 1/4"	SEE DETAIL

LINE POSTS — SIZES & WEIGHTS	
SECTION	LBS./LIN. FEET
PIPE TYPE A 1.90" O.D.	2.72
PIPE TYPE B 1.90" O.D.	2.28
PIPE TYPE C 1.90" O.D.	2.26

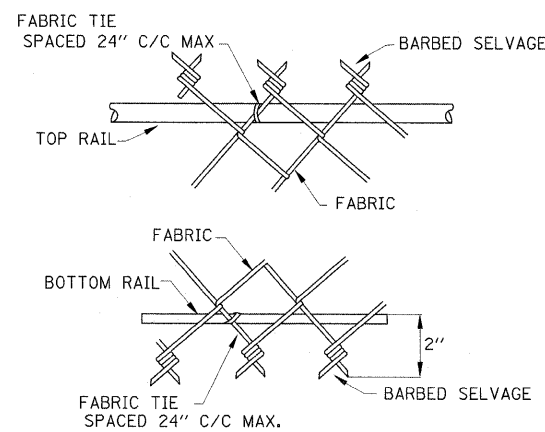
TERMINAL POSTS — SIZES & WEIGHTS	
SECTION	LBS./LIN. FEET
PIPE TYPE A 2.375" O.D.	3.65
PIPE TYPE B 2.375" O.D.	3.11
PIPE TYPE C 2.375" O.D.	3.09

NOTES:

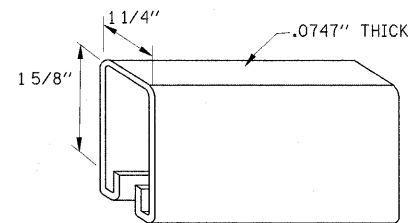
- UTILIZE PIPE TYPE A FOR ALL LINE AND TERMINAL POSTS.
- PIPE SHALL BE ASTM A53, GRADE B OR ASTM A500, GRADE B.
- BASE PLATES SHALL BE ASTM A36 MINIMUM.
- GALVANIZED MATERIALS SHALL BE PROVIDED FOR FENCING AND POSTS.
- ANCHORS SHALL BE STAINLESS STEEL CHEMICAL ADHESIVE TYPE AND SHALL BE INSTALLED PER MANUFACTURERS RECOMMENDATIONS.



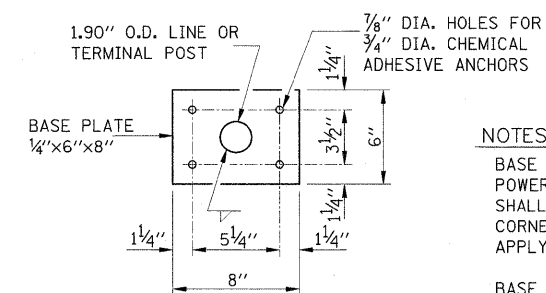
METHOD OF FASTENING STRETCHER BAR TO POST
NTS



METHOD OF TYING FABRIC TO TENSION WIRES
NTS



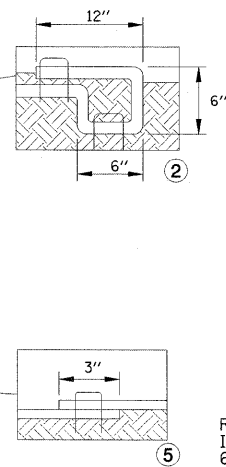
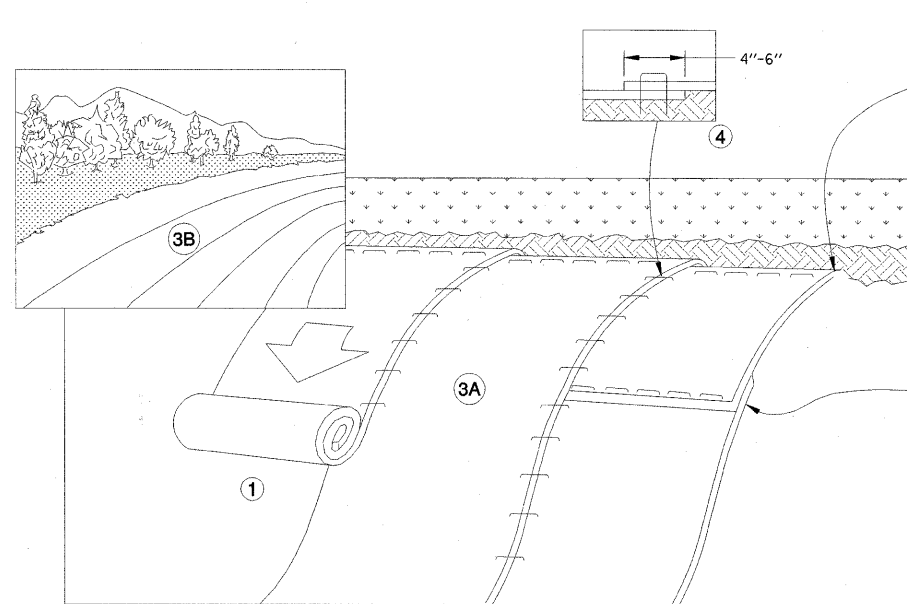
ROLL FORM SECTION OF BRACE
NTS



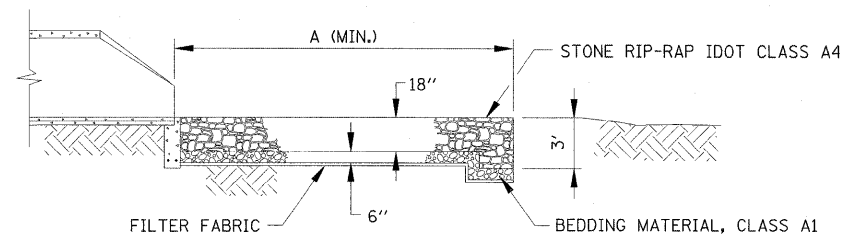
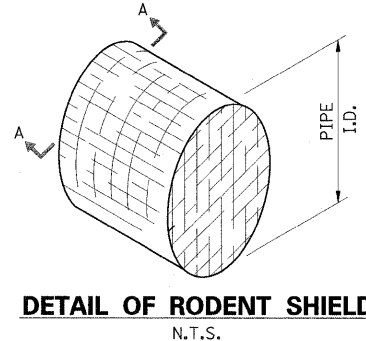
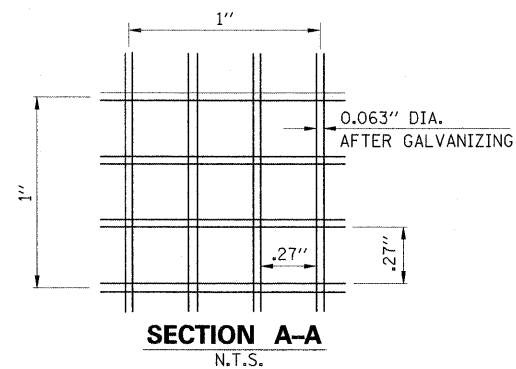
FENCE POST BASE PLATE DETAIL
NTS

NOTES:

- BASE PLATE SHALL BE CLEANED WITH POWER WIRE BRUSH AND THE WELD SHALL BE GROUND SMOOTH. GRIND CORNERS AND EDGES TO 1/8 INCH RADIUS. APPLY 2 COATS OF ZRC COLD GALVANIZING.
- BASE PLATE SHALL HAVE ANGLE TO CONFORM TO THE SLOPE OF TOP OF WALL.
- DRILL 1/2 INCH DRAINAGE HOLE THROUGH CENTER OF EACH BASE PLATE.
- ANCHOR BOLTS, NUTS AND WAHERS SHALL BE 304 STAINLESS STEEL.



RODENT SHIELD PLACEMENT
N.T.S.



INSIDE DIAMETER STORM SEWER (IN.)	MIN. DIMENSION (FT)				
	A	B	C	D	E
12" thru 24"	15	4	2.0	1.5	4
27" thru 30"	18	5	3.5	2.0	6
36" thru 48"	22	6	4.5	2.5	8
54" thru 60"	25	7	6.0	3.5	10

INSTALLATION NOTES:

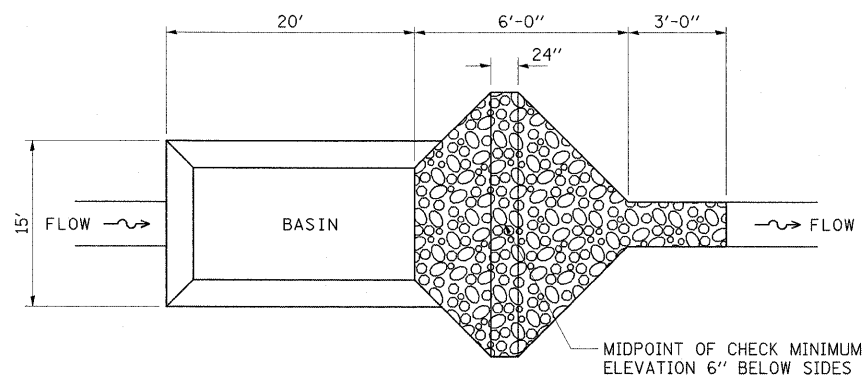
- PREPARE SOIL BEFORE INSTALLING BLANKETS, INCLUDING ANY NECESSARY APPLICATION OF LIME, FERTILIZER, AND SEED.
- BEGIN AT THE TOP OF THE SLOPE BY ANCHORING THE BLANKET IN A 6" DEEP X 6" WIDE TRENCH WITH APPROXIMATELY 12" OF BLANKET EXTENDED BEYOND THE UP-SLOPE PORTION OF THE TRENCH. ANCHOR THE BLANKET WITH A ROW OF STAPLES/STAKES APPROXIMATELY 12" APART IN THE BOTTOM OF THE TRENCH. BACKFILL AND COMPACT THE TRENCH AFTER STAPLING. APPLY SEED TO COMPACTED SOIL AND FOLD REMAINING 12" PORTION OF BLANKET BACK OVER SEED AND COMPACTED SOIL. SECURE BLANKET OVER COMPACTED SOIL WITH A ROW OF STAPLES/STAKES SPACED APPROXIMATELY 12" APART ACROSS THE WIDTH OF THE BLANKET.
- ROLL THE BLANKETS (A.) DOWN OR (B.) HORIZONTALLY ACROSS THE SLOPE. BLANKETS WILL UNROLL WITH APPROPRIATE SIDE AGAINST THE SOIL SURFACE. ALL BLANKETS MUST BE SECURELY FASTENED TO SOIL SURFACE BY PLACING STAPLES/STAKES IN APPROPRIATE LOCATIONS AS PER MANUFACTURERS RECOMMENDATION.
- THE EDGES OF PARALLEL BLANKETS MUST BE STAPLED WITH APPROXIMATELY 4"-6" OVERLAP DEPENDING ON BLANKET TYPE. TO ENSURE PROPER SEAM ALIGNMENT, PLACE THE EDGE OF THE OVERLAPPING BLANKET (BLANKET BEING INSTALLED ON TOP) EVEN WITH THE SEAM STITCH ON THE PREVIOUSLY INSTALLED BLANKET.
- CONSECUTIVE BLANKETS SPLICED DOWN THE SLOPE MUST BE PLACED END OVER END (SHINGLE STYLE) WITH AN APPROXIMATE 3" OVERLAP. STAPLE THROUGH OVERLAPPED AREA, APPROXIMATELY 12" APART ACROSS ENTIRE BLANKET WIDTH.
- PLACE STAPLES/STAKES PER MANUFACTURER'S RECOMMENDATION FOR THE APPROPRIATE SLOPE BEING APPLIED.

NOTES:

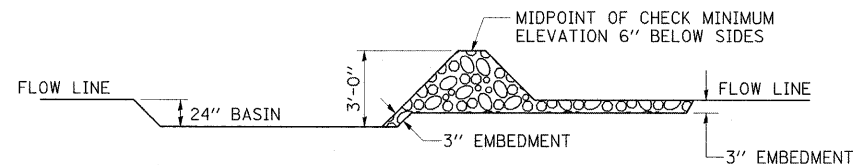
- IN LOOSE SOIL CONDITIONS, THE USE OF STAPLE OR STAKE LENGTHS GREATER THAN 6" MAY BE NECESSARY TO PROPERLY SECURE THE BLANKETS.
- FOR PRODUCT SELECTION, SEE SITE SPECIFICATIONS.

EROSION CONTROL BLANKET

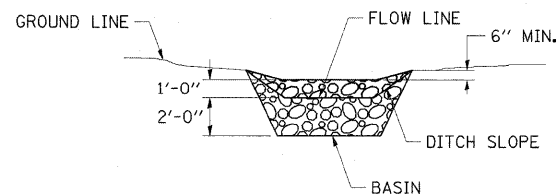
N.T.S.



PLAN VIEW - BASIN WITH STONE CHECK OUTLET



SECTION - BASIN WITH STONE CHECK OUTLET



ELEVATION - BASIN WITH STONE CHECK OUTLET

SEDIMENT BASIN

N.T.S.

MAINTENANCE NOTES:

- INSPECT RIPRAP AFTER STORM EVENTS FOR STONE DISPLACEMENT AND FOR EROSION AT THE SIDES AND ENDS OF THE APRON.
- MAKE NEEDED REPAIRS IMMEDIATELY; USE APPROPRIATE SIZE STONE, AND DO NOT PLACE THEM ABOVE FINAL GRADE.

RIP-RAP AT END SECTIONS

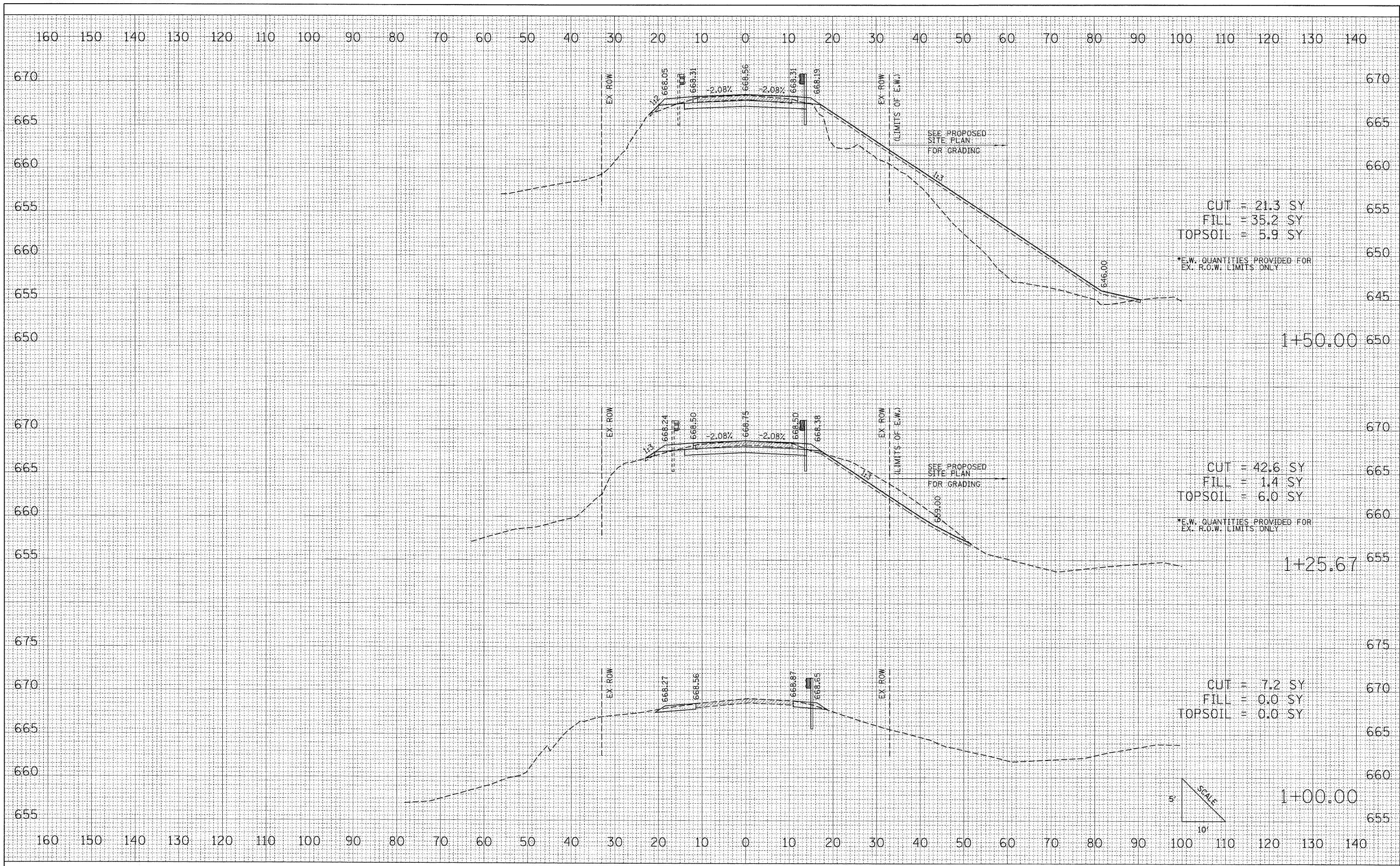
N.T.S.

NOTES:
ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON THIS SHEET, ON STANDARD 280001, AND AS DIRECTED BY THE ENGINEER.

FILE NAME = ...Neros.Contl.Temp.Dwg...Dtlis.dgn	USER NAME = Kristin Timmons	DESIGNED = KLT/JJF	REVISED =	NIEMANVILLE TRAIL MONTGOMERY COUNTY, ILLINOIS				EROSION CONTROL & TEMPORARY DIVERSION DETAILS F.A.U. ROUTE 8243				F.A.U. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 25
PLOT SCALE = 20,0000' / 1"	DRAWN = GLD	CHECKED = KLT/JJF	REVISED =									SCALE: N/A	SHEET NO. 25 OF 32 SHEETS	STA. N/A	TO STA. N/A	FED. ROAD DIST. NO. 6
PLOT DATE = 3/2/2010	DATE = 3/2/2010	REVISED =	REVISED =													

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	DATE
	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	DATE
	AREAS CHECKED



FILE NAME = J:\MontgomeryCounty\0900110 Niemanville Tr\Draw	USER NAME = Matt Overbey	DESIGNED - MJO	REVISED -
	Sheets\XSECTIONShs.dgn	DRAWN - MJO	REVISED -
	PLOT SCALE = 10.0000' / IN.	CHECKED - KLT	REVISED -
	PLOT DATE = 3/3/2010	DATE - 3/2/2010	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

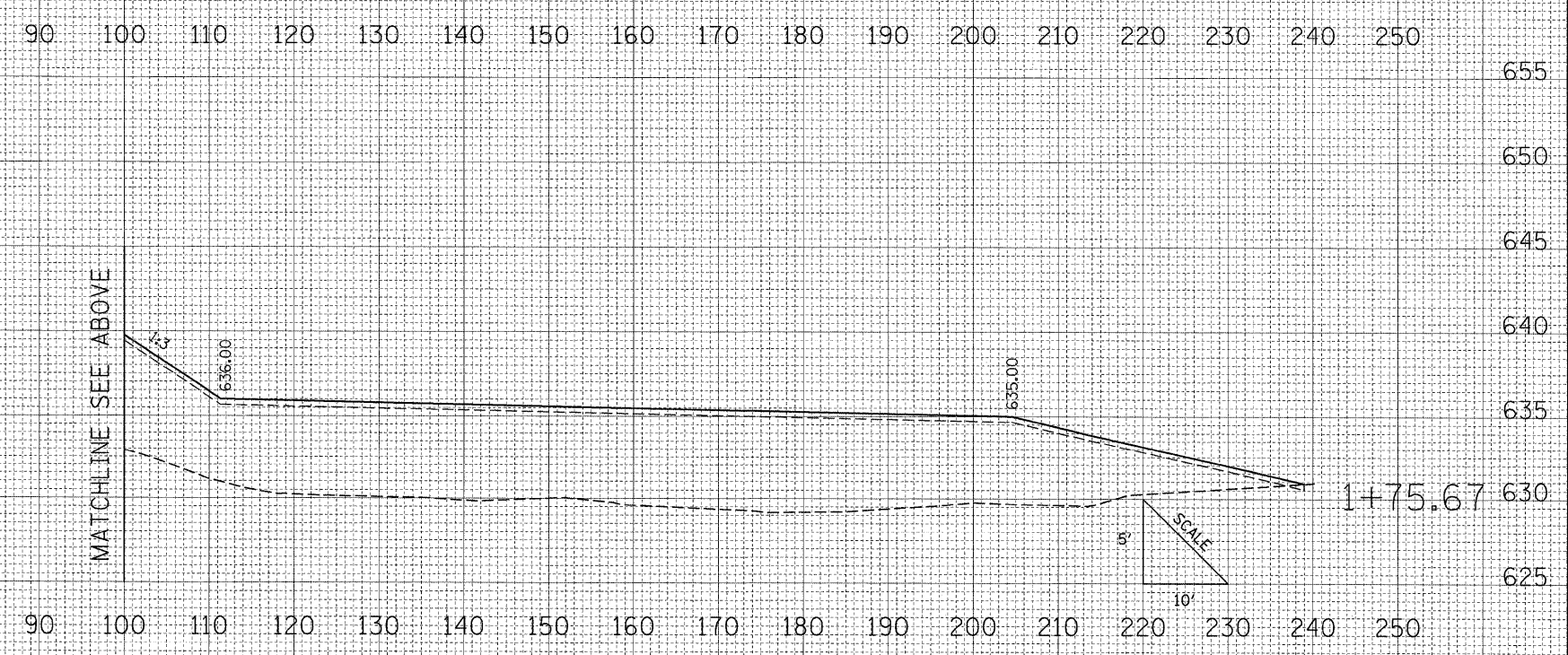
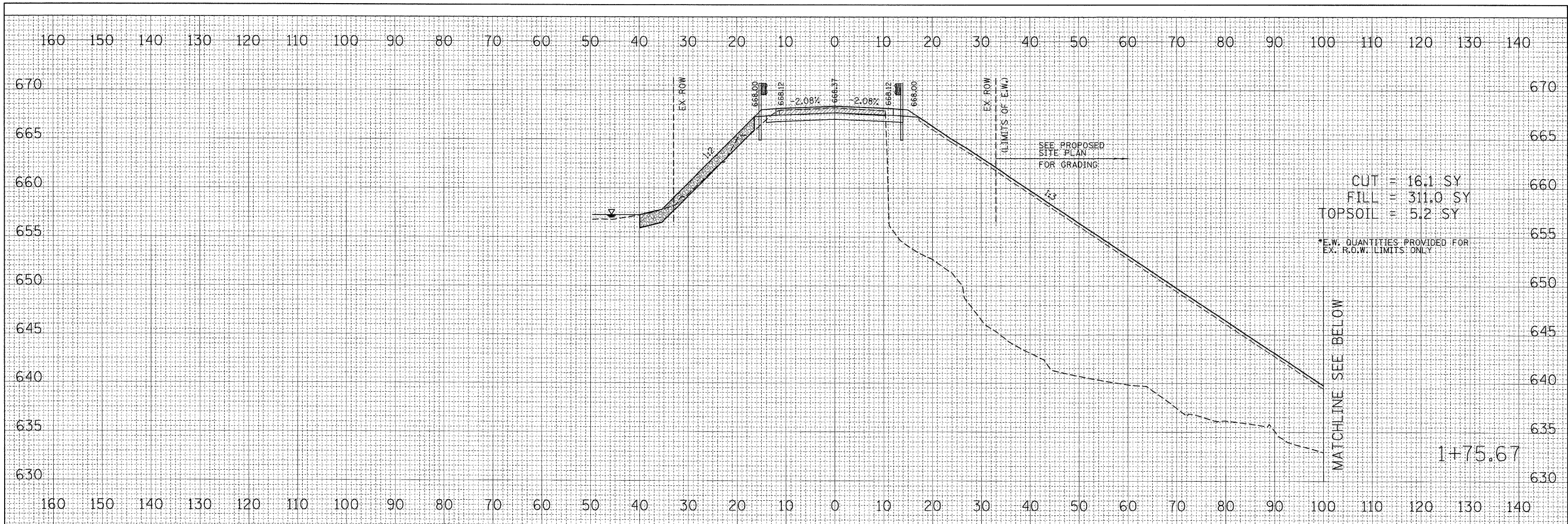
**CROSS SECTIONS
NIEMANVILLE TRAIL OVER SPILLWAY AT WALTON LAKE**

SCALE: 10'H 5'V SHEET NO. 26 OF 32 SHEETS STA. 1+00.00 TO STA. 1+50.00

F.A.I. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 26
CONTRACT NO. 93537				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DATE	
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SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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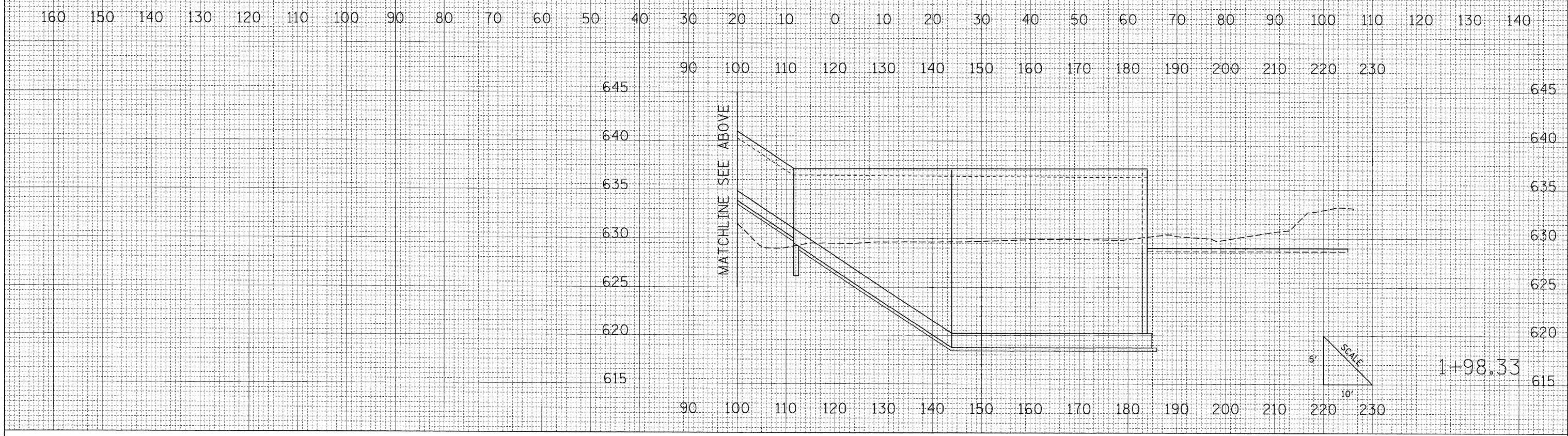
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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FILE NAME = J:\MontgomeryCounty\0900110 Niemanville Tr\Draw	USER NAME = Matt Overbey	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS NIEMANVILLE TRAIL OVER SPILLWAY AT WALTON LAKE			F.A.U. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 27
	PLLOT SCALE = 10.0000' / IN.	DRAWN - MJO	REVISED -		SCALE: 10'H 5'V	SHEET NO. 27 OF 32 SHEETS	STA. 1+75.67	TO STA. 1+75.67	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 93537	
	PLLOT DATE = 3/3/2010	CHECKED - KLT	REVISED -									
		DATE - 3/2/2010	REVISED -									

DATE	
BY	
FINAL SURVEY	
SURVEYED	
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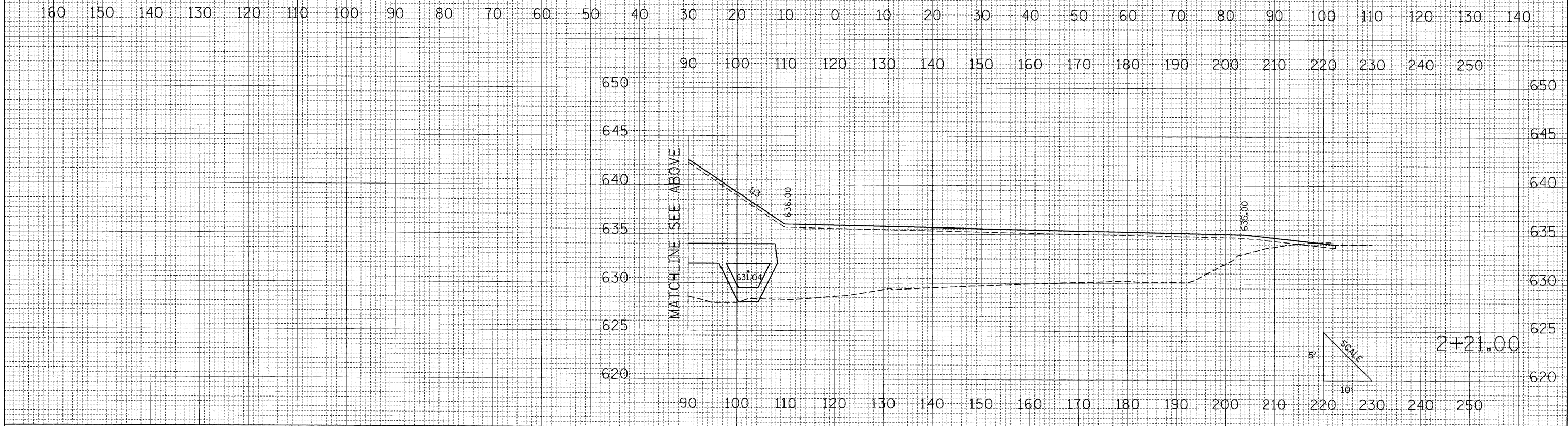
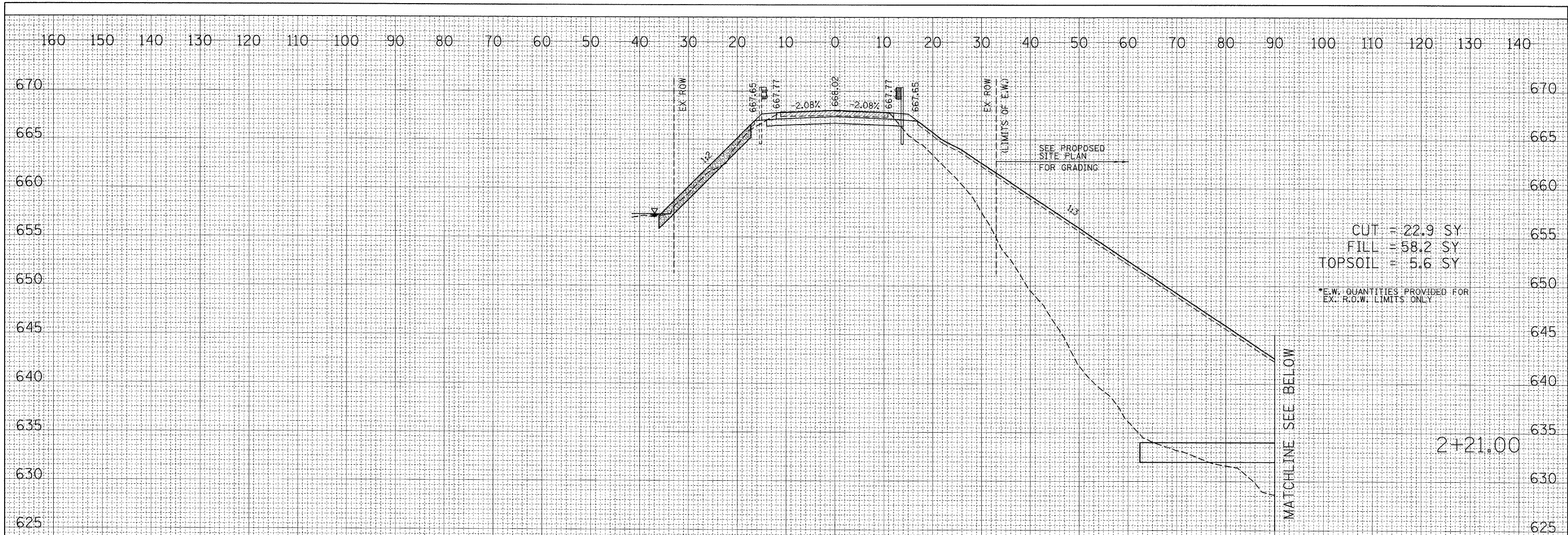
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BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = J:\MontgomeryCounty\0900110 Niemanville Tr\Draw	USER NAME = Matt Overbey	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS NIEMANVILLE TRAIL OVER SPILLWAY AT WALTON LAKE			F.A.U. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 28
	Sheets\XSECTIONShshts.dgn	DRAWN - MJO	REVISED -		SCALE: 10'H 5'V	SHEET NO. 28 OF 32 SHEETS	STA. 1+98.33	TO STA. 1+98.33	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 93537	
	PLOT SCALE = 10.0000' / IN.	CHECKED - KLT	REVISED -									
	PLOT DATE = 3/3/2010	DATE - 3/2/2010	REVISED -									

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
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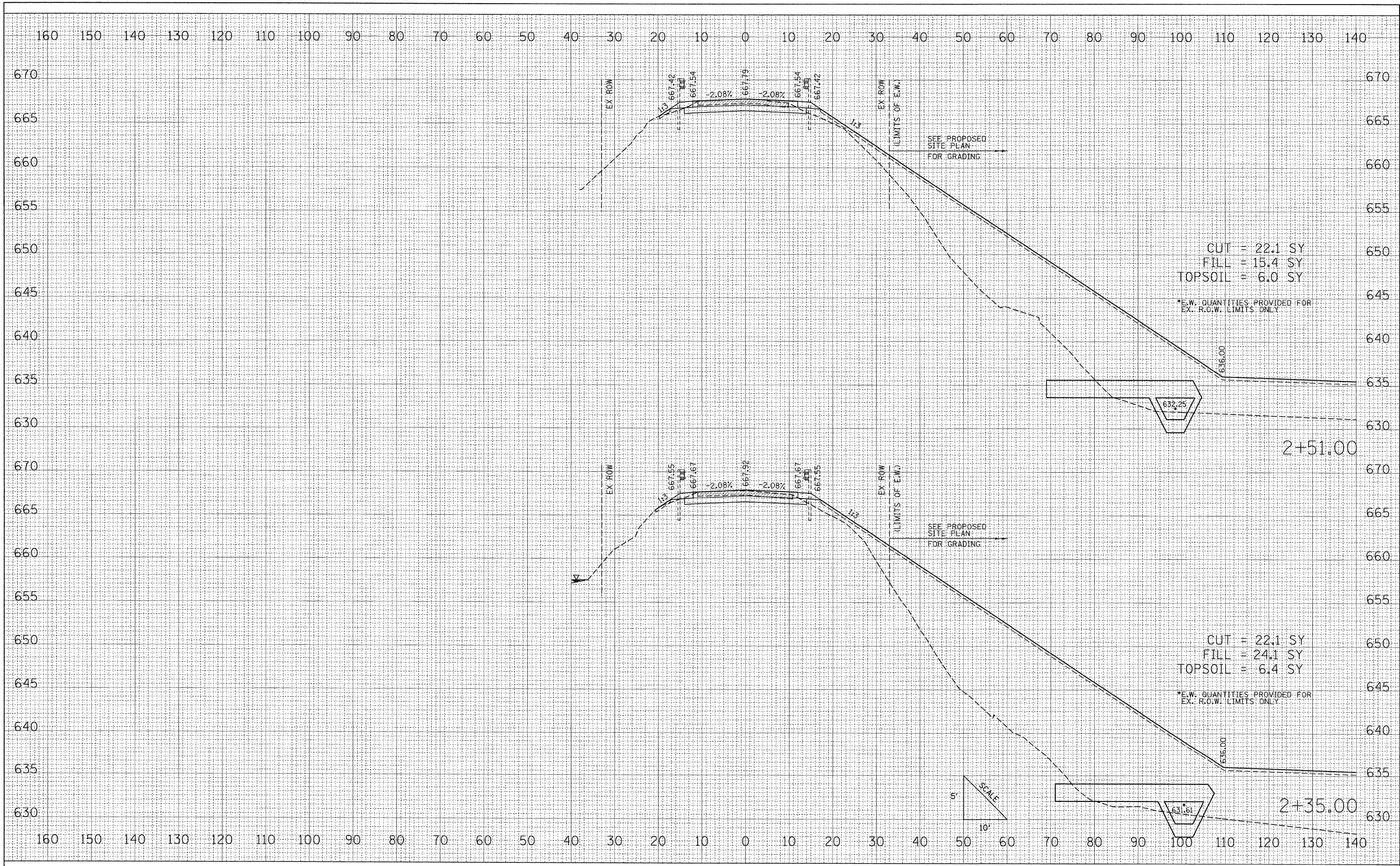
DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = J:\MontgomeryCounty\0908110 Niemanville Tr\Draw	USER NAME = Matt Overbey	DESIGNED - MJO	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CROSS SECTIONS NIEMANVILLE TRAIL OVER SPILLWAY AT WALTON LAKE		F.A.U. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 29	
	PLT SCALE = 10.0000' / IN.	CHECKED - KLT	REVISED -		SCALE: 10'H 5'V	SHEET NO. 29 OF 32 SHEETS	STA. 2+21.00 TO STA. 2+21.00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
	PLT DATE = 3/3/2010	DATE - 3/2/2010	REVISED -		CONTRACT NO. 93537							

DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED

DATE	
BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	AREAS CHECKED



FILE NAME =	J:\MontgomeryCounty\900110 Niemanville Tr\Draw
USER NAME =	Matt Overbay
DESIGNED -	MJO
DRAWN -	MJO
CHECKED -	KLT
DATE -	3/2/2010
REVISIONS	
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REVISED -	

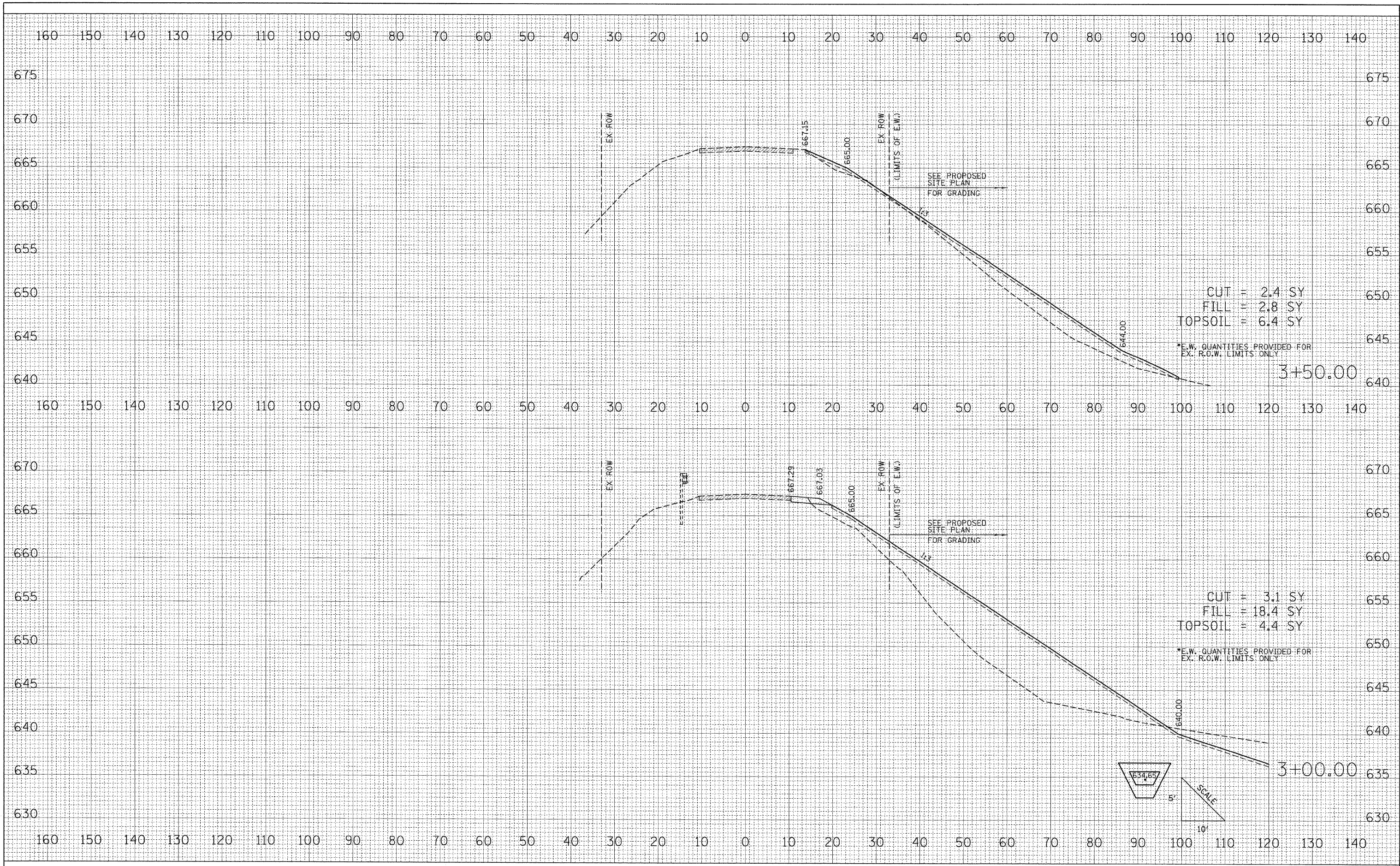
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
NIEMANVILLE TRAIL OVER SPILLWAY AT WALTON LAKE	
SCALE: 10' H 5' V	SHEET NO. 30 OF 32 SHEETS
STA. 2+35.00	TO STA. 2+51.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	30
FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 93537		

DATE	
BY	
FINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME =	J:\MontgomeryCounty\0900110 Niemanville Tr\Draw
USER NAME =	Matt Overbay
DESIGNED -	MJO
DRAWN -	MJO
CHECKED -	KLT
DATE -	3/2/2010
REVISIONS	
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REVISED -	

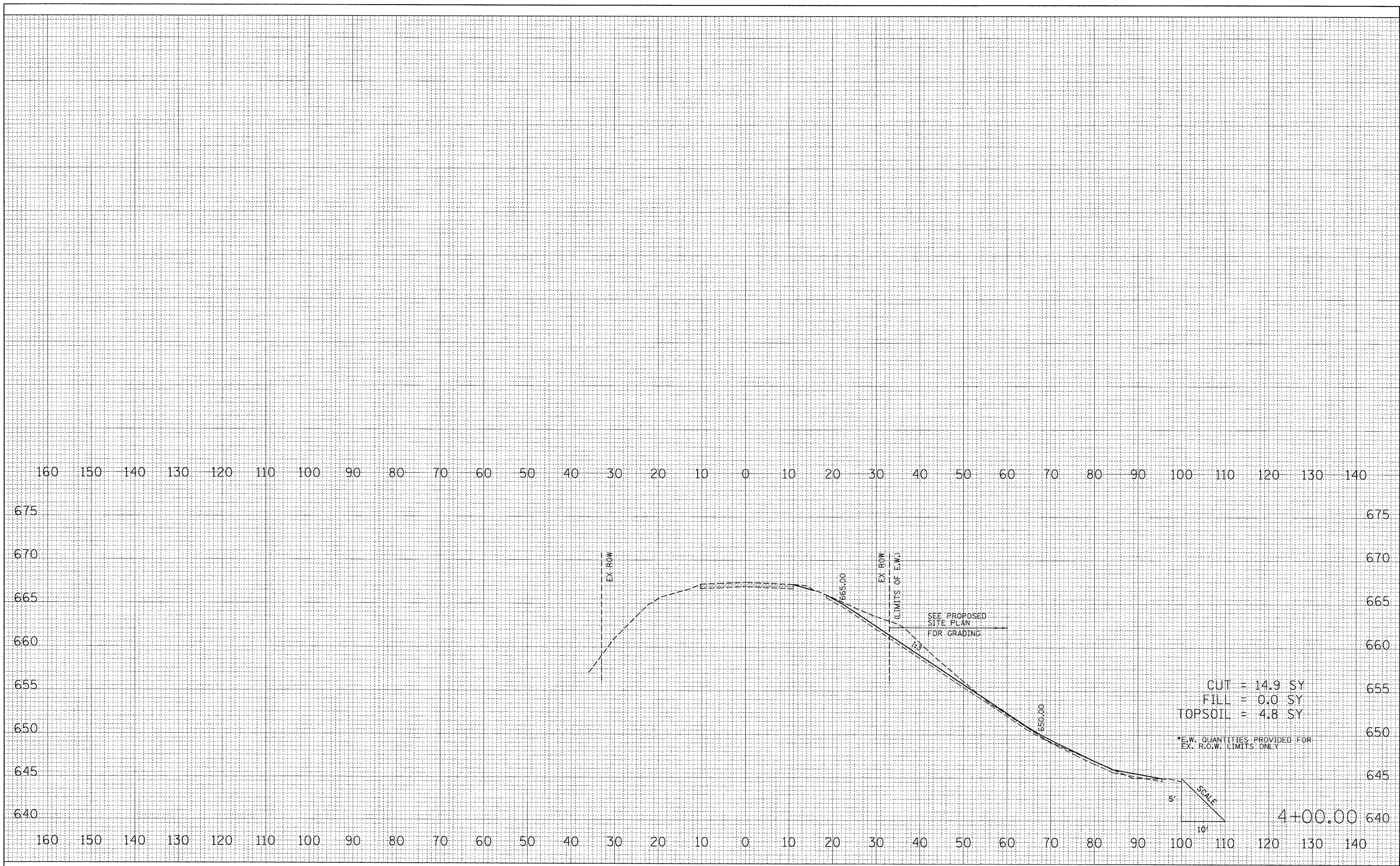
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CROSS SECTIONS	
NIEMANVILLE TRAIL OVER SPILLWAY AT WALTON LAKE	
SCALE: 10' H 5' V	SHEET NO. 31 OF 32 SHEETS
STA. 3+00.00	TO STA. 3+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
8243	09-00134-00-DR	MONTGOMERY	32	31
FED. ROAD DIST. NO.				ILLINOIS FED. AID PROJECT
CONTRACT NO. 93537				

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	DATE	
	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	
NO.	DATE	
	AREAS CHECKED	



CUT = 14.9 SY
 FILL = 0.0 SY
 TOPSOIL = 4.8 SY
 *E.W. QUANTITIES PROVIDED FOR EX. R.O.W. LIMITS ONLY

FILE NAME = J:\MontgomeryCounty\0900110 Niemanville Tr\Draw\Sheets\XSECTION\shshts.dgn	USER NAME = Matt Overbey	DESIGNED - MJO	REVISIONS -
PLOT SCALE = 10.0000' / IN.	CHECKED - KLT	DRAWN - MJO	REVISIONS -
PLOT DATE = 3/2/2010	DATE - 3/2/2010	CHECKED - KLT	REVISIONS -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
NIEMANVILLE TRAIL OVER SPILLWAY AT WALTON LAKE
 SCALE: 10'H 5'V SHEET NO. 32 OF 32 SHEETS STA. 4+00.00 TO STA. 4+00.00

F.A.U. RTE. 8243	SECTION 09-00134-00-DR	COUNTY MONTGOMERY	TOTAL SHEETS 32	SHEET NO. 32
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 93537		