

PROJECT ENGINEER - REBECCA MARRUFFO

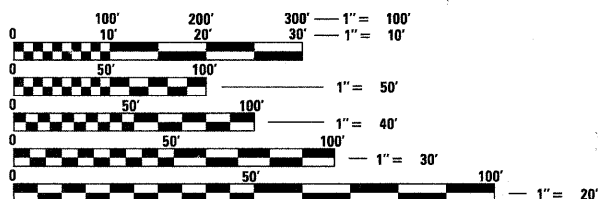
SQUAD LEADER - BRAD CUSHMAN (815)284-5996

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STATE STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
001001-02 AREAS OF REINFORCEMENT BARS
001006 DECIMAL OF AN INCH AND A FOOT
280001-05 TEMPORARY EROSION CONTROL SYSTEMS
442201-03 CLASS C AND D PATCHES
542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
542401-01 METAL END SECTION FOR PIPE CULVERTS
601101-01 CONCRETE HEADWALL FOR PIPE DRAIN
602401-03 MANHOLE TYPE A
602701-02 MANHOLE STEPS
604036-02 GRATE TYPE 8
635001-01 DELINEATORS
666001-01 RIGHT-OF-WAY MARKERS
701006-03 OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 15' AWAY
701201-04 LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS > 45 MPH
701301-04 LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701306-03 LANE CLOSURE, 2L, 2W, SLOW MOVING OPERATIONS DAY ONLY, FOR SPEEDS > 45 MPH
701311-03 LANE CLOSURE, 2L, 2W, MOVING OPERATIONS - DAY ONLY
701326-04 LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS > 45 MPH
701901-01 TRAFFIC CONTROL DEVICES
720011-01 METAL POST FOR SIGNS, MARKERS AND DELINEATORS
728001-01 TELESCOPING STEEL SIGN SUPPORT
729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS AND MARKERS)
780001-02 TYPICAL PAVEMENT MARKINGS
781001-03 TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



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

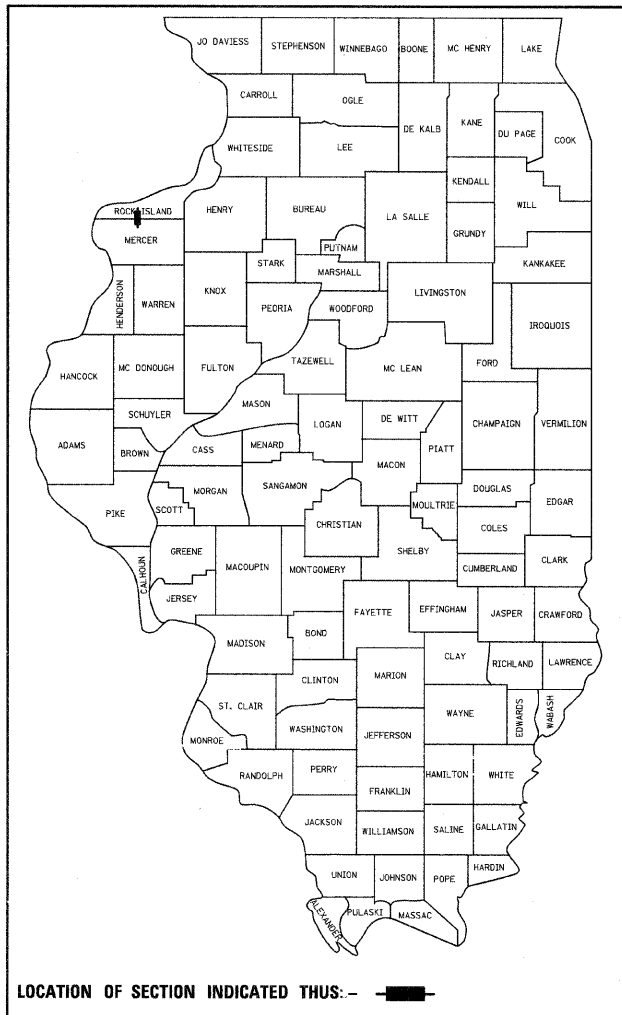
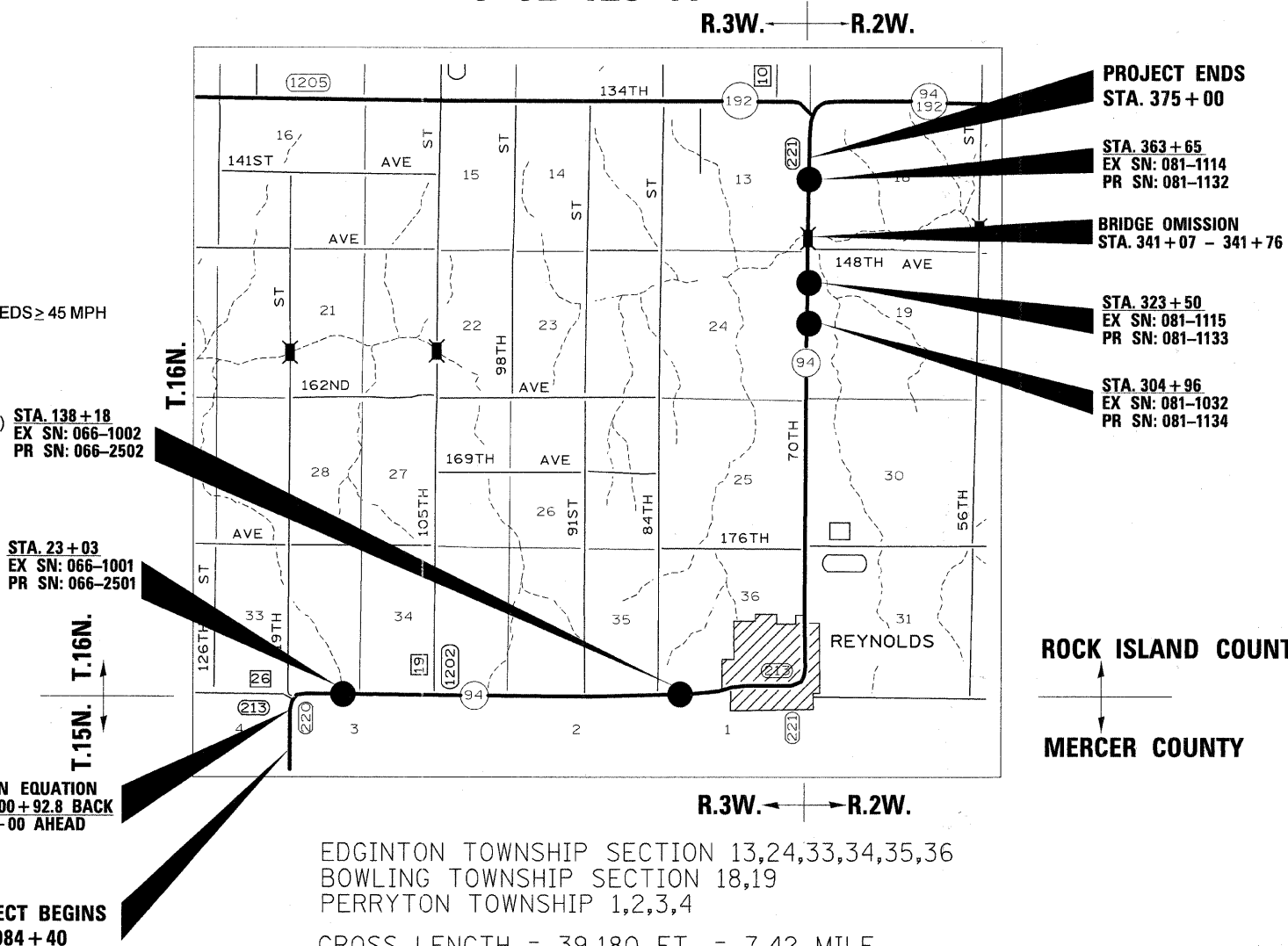
CONTRACT NO. 64D72

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PROPOSED HIGHWAY PLANS

FAS ROUTE 221/213/220 (IL 94) SECTION (19,20)RS-2 PROJECT: RS-0005(861)

ROCK ISLAND / MERCER COUNTY

C-92-128-11



STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS SUBMITTED July 6, 2011 Eric S. Thibault DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER August 19, 2011 Scott E. Stitt, P.E. acting ENGINEER OF DESIGN AND ENVIRONMENT August 19, 2011 Christine M. Reed DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROCK ISLAND COUNTY L24ED	L24ED	L24ED	07C0D	07P0D	ROCK ISLAND COUNTY 100% STATE
				80% FED 20% STATE 0040	ROCK ISLAND COUNTY 80% FED 20% STATE 0005	MERCER COUNTY 80% FED 20% STATE 0005	ROCK ISLAND COUNTY 50% STATE 50% VILLAGE 0005	ROCK ISLAND COUNTY 100% VILLAGE 0005	ROCK ISLAND COUNTY 0005
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	559	559					
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	416	416					
20200100	EARTH EXCAVATION	CU YD	82,020	82,020					
20200600	EXCAVATING AND GRADING EXISTING SHOULDER	UNIT	592		543	49			
* 25000100	SEEDING, CLASS 1	ACRE	1	1					
* 25000210	SEEDING, CLASS 2A	ACRE	12	9	2.75	0.25			
* 25000310	SEEDING, CLASS 4	ACRE	7	7					
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	1,665	1386	256.5	22.5			
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	1,665	1386	256.5	22.5			
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	1,665	1386	256.5	22.5			
Δ 25000750	MOWING	ACRE	13						13
* 25100125	MULCH, METHOD 3	ACRE	18	14.75	3	0.25			
* 25100630	EROSION CONTROL BLANKET	SQ YD	10,320	10,320					
* 25100900	TURF REINFORCEMENT MAT	SQ YD	328	328					
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	6,160	6,160					
28000305	TEMPORARY DITCH CHECKS	FOOT	3,250	3,250					
28000400	PERIMETER EROSION BARRIER	FOOT	1,701	1,701					
28000500	INLET & PIPE PROTECTION	EACH	17	17					
28100107	STONE RIPRAP, CLASS A4	SQ YD	296	296					
28200200	FILTER FABRIC	SQ YD	296	296					
35101400	AGGREGATE BASE COURSE, TYPE B	TON	744	714		30			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	62.6		58	4	0.3	0.3	
40600300	AGGREGATE PRIME COAT	TON	159		149	10			

* SPECIALTY ITEMS
 Δ 100% STATE

* 221.213 & 220
 ** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct\pw\work\pwidot\cushmanbw\d0184077\02	2387-sht-schedule.dgn	DRAWN -	REVISED -			*	(19,20)RS-2	**	231	2				
	PLOT SCALE = 50.0000' / 1" =	CHECKED -	REVISED -											
	PLOT DATE = Mon Jun 27 13:32:45 2011	DATE -	REVISED -											

ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROCK ISLAND COUNTY L2AED	L2AED ROCK ISLAND COUNTY	L2AED MERCER COUNTY	07C0D ROCK ISLAND COUNTY	07P0D ROCK ISLAND COUNTY
				80% FED 20% STATE 0040	80% FED 20% STATE 0005	80% FED 20% STATE 0005	50% STATE 50% VILLAGE 0005	100% VILLAGE 0005
40600525	LEVELING BINDER (HAND METHOD), N50	TON	35		34	1		
40600895	CONSTRUCTING TEST STRIP	EACH	1		1			
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	2,606		2,455	151		
40600990	TEMPORARY RAMP	SQ YD	353		322	31		
40603310	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	TON	10,478		9,772	612	43	51
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	1,188		1,116	72		
44000158	HOT-MIX ASPHALT SURFACE REMOVAL, 2 1/4"	SQ YD	3,056		1,943		513	600
44000400	GUTTER REMOVAL	FOOT	1,989	1,989				
44201383	CLASS C PATCHES, TYPE IV, 12 INCH	SQ YD	1,201	1,201				
44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	1,867		1,867			
44300100	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	14,686		14,686			
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	39,220		36,715	2,505		
48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	3,493		3,214	279		
48203020	HOT-MIX ASPHALT SHOULDER, 5-3/4"	SQ YD	6,400		6,400			
50100300	REMOVAL OF EXISTING STRUCTURES NO.1	EACH	1	1				
50100400	REMOVAL OF EXISTING STRUCTURES NO.2	EACH	1	1				
50100500	REMOVAL OF EXISTING STRUCTURES NO.3	EACH	1	1				
50100600	REMOVAL OF EXISTING STRUCTURES NO.4	EACH	1	1				
50100700	REMOVAL OF EXISTING STRUCTURES NO.5	EACH	1	1				
50100800	REMOVAL OF EXISTING STRUCTURES NO.6	EACH	1	1				
50104400	CONCRETE HEADWALL REMOVAL	EACH	1	1				
51500100	NAME PLATES	EACH	5	5				

* SPECIALTY ITEMS

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
cr:\pw\work\pwi\dot\cushmanbw\d0184077\02	2307-sht-schedule.dgn	DRAWN -	REVISED -			*	(19,20)RS-2	**	231	3	
	PLOT SCALE = 50.0000' / 1in.	CHECKED -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA.	TO STA.	CONTRACT NO. 64D72	
	PLOT DATE = Mon Jun 27 13:33:22 2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROCK ISLAND COUNTY LAED					
				L2AED		L2AED		D7C0D	D7P0D
				ROCK ISLAND COUNTY	MERCER COUNTY	ROCK ISLAND COUNTY	ROCK ISLAND COUNTY	ROCK ISLAND COUNTY	
				80% FED 20% STATE 0040	80% FED 20% STATE 0005	80% FED 20% STATE 0005	50% STATE 50% VILLAGE 0005	100% VILLAGE 0005	
54001061	GRATED BOX CULVERT END SECTIONS, CULVERT NO. 01	EACH	1	1					
54001062	GRATED BOX CULVERT END SECTIONS, CULVERT NO. 02	EACH	1	1					
54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4'	FOOT	66	66					
54010808	PRECAST CONCRETE BOX CULVERTS 8' X 8'	FOOT	76	76					
54213450	END SECTIONS 15"	EACH	14	14					
54213453	END SECTIONS 18"	EACH	6	6					
54213459	END SECTIONS 24"	EACH	2	2					
54213471	END SECTIONS 36"	EACH	1	1					
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36"	EACH	1	1					
542A1129	PIPE CULVERTS, CLASS A, TYPE 2 84"	FOOT	111	111					
542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36"	FOOT	113	113					
542A1933	PIPE CULVERTS, CLASS A, TYPE 3 48"	FOOT	151	151					
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	321	321					
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	150	150					
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	126	126					
542D1060	PIPE CULVERTS, CLASS D, TYPE 2 15"	FOOT	144	144					
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	24	24					
60100915	PIPE DRAINS 6"	FOOT	120	120					
60100925	PIPE DRAINS 8"	FOOT	110	110					
60100935	PIPE DRAINS 10"	FOOT	110	110					
60100945	PIPE DRAINS 12"	FOOT	50	50					
60100965	PIPE DRAINS 18"	FOOT	50	50					
60107600	PIPE UNDERDRAINS 4"	FOOT	696	696					

* SPECIALTY ITEMS

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
at:\pwork\pwork\dot\cushmanbw\d0184077\02	2307-ah-schedule.dgn	DRAWN -	REVISED -			*	(19,20)RS-2	**	231	4	
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	PLOT DATE = Thu Jun 30 09:05:55 2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

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

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	ROCK ISLAND COUNTY	L2AED	L2AED	01C0D	07P0D
				L2AED	ROCK ISLAND COUNTY	MERCER COUNTY	ROCK ISLAND COUNTY	ROCK ISLAND COUNTY
				80% FED 20% STATE 0040	80% FED 20% STATE 0005	80% FED 20% STATE 0005	50% STATE 50% VILLAGE 0005	100% VILLAGE 0005
				QUANTITY	QUANTITY	QUANTITY	QUANTITY	QUANTITY
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	1				
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	650	650				
61101017	STORM SEWERS PROTECTED, CLASS A, 15"	FOOT	102	102				
61133100	FIELD TILE JUNCTION VAULTS, 2' DIA.	EACH	6	6				
61133200	FIELD TILE JUNCTION VAULTS, 3' DIA.	EACH	3	3				
63200310	GUARDRAIL REMOVAL	FOOT	3289	3,289				
63500105	DELINEATORS	EACH	10	10				
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	105	105				
66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	5	5				
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5				
67100100	MOBILIZATION	L SUM	1	1				
70100450	TRAFFIC CONTROL AND PROTECTION, STANDARD 701201	L SUM	1		1			
70100460	TRAFFIC CONTROL AND PROTECTION, STANDARD 701306	L SUM	1		1			
70100500	TRAFFIC CONTROL AND PROTECTION, STANDARD 701326	L SUM	1		1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	2		2			
X7014490	TRAFFIC CONTROL AND PROTECTION (SPECIAL), LOCATION NO.1	EACH	1	1				
70300100	SHORT TERM PAVEMENT MARKING	FOOT	7,844		7,343	501		
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	1,307		1,224	83		
* 78001110	PAINT PAVEMENT MARKING - LINE 4"	FOOT	280,315		264,010	16,089		216
* 78001180	PAINT PAVEMENT MARKING - LINE 24"	FOOT	122		122			
78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	501		459	42		
78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	28			28		

* SPECIALTY ITEMS

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME = c:\pwork\pwork\cushmanbw\d0184077\02	USER NAME = cushmanbw 2307-sht-schedule.dgn	DESIGNED - DRAWN -	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.S. RTE. *	SECTION (19,20)RS-2	COUNTY **	TOTAL SHEETS 231	SHEET NO. 5
PLOT SCALE = 50,0000' / 1in. PLOT DATE = Mon Jun 27 13:34:08 2011				CHECKED - DATE -		SCALE:		SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64D72 ILLINOIS FED. AID PROJECT

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	Rock Island County	L'AEED	L'AEED	07C0D	07P0D
				L'AEED	ROCK ISLAND COUNTY	MERCER COUNTY	ROCK ISLAND COUNTY	ROCK ISLAND COUNTY
				80% FED 20% STATE 0040	80% FED 20% STATE 0005	80% FED 20% STATE 0005	50% STATE 50% VILLAGE 0005	100% VILLAGE 0005
* A2006714	TREE, QUERCUS MACROCARPA (BUR OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	24	24				
* A2006914	TREE, QUERCUS PALUSTRIS (PIN OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	24	24				
* A2007814	TREE, TILIA AMERICANA (AMERICAN LINDEN / BASSWOOD), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	24	24				
* X0322118	REMOVE CONCRETE FLARED END SECTIONS	EACH	6	6				
X0322352	SEEDING MOBILIZATION	EACH	3	3				
X0323660	DROP BOX NO.1	EACH	1	1				
X0323661	DROP BOX NO.2	EACH	1	1				
X0323662	DROP BOX NO.3	EACH	1	1				
X0323663	DROP BOX NO.4	EACH	1	1				
X0323664	DROP BOX NO.5	EACH	1	1				
X4060627	LEVELING BINDER (MACHINE METHOD) IL-9,5FG, N50	TON	8,047		7,450	535	29	33
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	100,931		94,429	6,502		
X5015225	PIPE CULVERT REMOVAL (SPECIAL)	FOOT	82	82				
Z0005400	BREAKER-RUN CRUSHED STONE	TON	1,181	1,181				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0020900	ESTABLISHING AND REFERENCING LAND SECTION MARKERS	EACH	15	15				
Z0023600	FILLING EXISTING CULVERTS	EACH	3	3				
Z0025500	FURNISHING AND INSTALLING PROPERTY MARKERS	EACH	4	4				
Z0028415	GEOTECHNICAL REINFORCEMENT	SQ YD	1867		1867			
Z0028700	GRANULAR SUBGRADE REPLACEMENT	CU YD	312		312			
Z0034105	MATERIAL TRANSFER DEVICE	TON	18,522		17,375	1,147		
54260048	GRADED CULVERT END SECTION, 48"	EACH	1	1				
54260084	GRADED CULVERT END SECTION, 84"	EACH	1	1				

* SPECIALTY ITEMS

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
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	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = Thu Jun 30 10:27:08 2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SUMMARY OF QUANTITIES

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

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	6
CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT				

Rev.

GENERAL NOTES

See cross sections for special ditches and backslopes.

The final top 100 mm (four inches) of soil in any right-of-way area disturbed by the Contractor must be capable of supporting vegetation. The soil must be from the A horizon (zero to 2' deep) of soil profiles of local soils.

All Borrow/Waste/Use sites must be approved by the Department prior to removing any material from the project or initiating any earthmoving activities, including temporary stockpiling outside the limits of construction.

The Contractor shall seed all disturbed areas within the project limits. Seeding Class 4 or 2A shall be used, except in front of properties where the grass will be mowed, then use Seeding, Class 1. Class 2A shall be used on front slopes and ditch bottoms. Class 4 shall be used behind Type A gutter, on all backslopes and areas behind the backslope, and beyond the toe of front slope on fill sections without ditches.

Placement and compaction of the backfill for proposed across road culverts and existing across road culverts that are removed shall conform to Section 502.10 of the Standard Specifications, except that the material shall conform to Article 208.02 of the Standard Specifications, and shall be compacted to a minimum of 95% of the standard laboratory density. Any material conforming to the requirements of Article 1003.04 or 1004.05 which has been excavated from the trenches shall be used for backfilling the trenches. The entire excavation, within 2 feet outside of each shoulder, shall be backfilled with trench backfill material to the bottom of the proposed subgrade. Impervious material shall be used on the outer 3 feet of each end of the culvert. This trench backfill material will not be measured for payment, but shall be included in the contract unit price for the class of concrete involved or other unit price item of the work for which it is required.

Class C Patches shall be tied to the adjacent lane when the patches are more than 20 feet. The cost of the tie bars shall be included in the cost of the patch.

The existing hot-mix asphalt on private and commercial entrances shall be bladed off or milled and disposed of outside the project limits. This could be the entire entrance or tapered at the end depending on if the mainline is resurfaced or milled and resurfaced. The cost of the blading, milling, rolling, and disposal is included in the contract unit price for INCIDENTAL HOT-MIX ASPHALT SURFACING.

The drop off that occurs at entrance edges as a result of resurfacing of the entrance shall be corrected using aggregate shoulder material. This work shall be paid for by the TON for Aggregate Shoulders of the type specified in the plans.

Milling machines on this project shall be capable of removing a layer of bituminous a minimum 6' wide and 1½ inches in depth in a single pass.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Surface	Level Binder (MM)	Bottom Shoulder	Top Shoulder
PG:	PG 64-22	PG 64-22	PG 58-22	PG 58-22
Design Air Voids	4.0 @ N50	4.0 @ N50	2 @ N50	3.0 @ N50
Mixture Composition (Gradation Mixture)	IL 9.5 or 12.5	IL 9.5 FG	BAM	IL 9.5 or 12.5
Friction Aggregate	C	N/A	N/A	C
20 Year ESAL	0.7	0.7	N/A	0.7

The Contractor will be required to furnish 140 mm (5 1/2") high brass stencils as approved by the Engineer and install stationing at 250' intervals. Stationing shall be placed on both lanes of 2-lane highways and on the outside lanes in both directions on 4-lane highways. The stations shall be placed 150 mm (6") inside the pavement marking edge so they can be read from the shoulder. This work will be included in the cost of the final pavement surface.

The area to be primed shall be limited to that which can be covered with HMA the same day, unless otherwise permitted by the Engineer.

A Nationwide 404 Permit has been issued for this project and the conditions of that permit must be adhered to.

The new number for the structure at Sta. 23+03 is **066-2501**
 The new number for the structure at Sta. 138+19 is **066-2502**
 The new number for the structure at Sta. 304-96 is **081-1134**
 The new number for the structure at Sta. 323+50 is **081-1133**
 The new number for the structure at Sta. 363+65 is **081-1132**

The boring logs for this structure indicate that groundwater levels may encroach on the construction limits of this culvert. It shall be the responsibility of the contractor to control the ground water and divert the stream flow during construction in order to keep the construction area free of water. The method of controlling the water shall be subject to approval of the Engineer and the cost shall be included in the contract unit price for Precast Concrete Box Culverts.

Culvert & bridge flows must be maintained throughout the project. Normal flow shall be allowed to pass at the rate it enters the jobsite. High flows shall be allowed to pass without causing damage to upstream properties.

The proposed pipes for entrances and side roads shall be placed in line with the existing or proposed ditch line.

Connecting bands for corrugated metal pipes shall be metal and shall be coated with the same material as the pipe sections. The connecting bands shall be a minimum of 18" wide.

It is anticipated that several mailboxes will require relocation to the approach side of the entrances. When this is done, the contractor shall be required to mount the mailbox on a 100 mm x 100 mm (4" x 4") wood post 1 m (40 inches) above the shoulder surface and extending to a minimum of 0.6 m (24 inches) into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 5 mailboxes to be relocated.

If, during the grinding or resurfacing operations, the existing mailboxes become a hindrance, the Contractor shall be required to carefully remove and reinstall the mailboxes as directed by the Engineer. This work shall be included in the contract unit price for the INCIDENTAL HOT-MIX ASPHALT SURFACING.

All frames and grates of drainage structures to be removed or filled shall be carefully salvaged and shall remain the property of the contractor.

All proposed manholes on this project shall be cast in place or precast. This work will be paid for at the contract unit price Each for MANHOLE of the type and size specified.

Where field tile is encountered, storm sewer or pipe drain will be used in accordance with Section 611. The minimum size for replacement will be 150 mm (6") for Pipe Drains and 200 mm (8") for Storm Sewer, but the size must be at least 50 mm (2") larger than the adjoining tile. A Field Tile Junction Vault will be constructed at the right of way to connect the tile and storm sewer. See the Summary of Quantities for the estimated quantities.

The excavated materials from earth excavation widening, grading and shaping ditches, and excavating and grading shoulders shall be used to build up the shoulder throughout the job to conform with the typical sections and shoulder widening for terminals as shown on the plans.

FILE NAME = 64D72 GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES			ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO
	PLOT SCALE =	DRAWN -	REVISED -					FAS 221, 213 & 220	(19, 20)RS-2	Rock Island & Mercer	231	7
	PLOT DATE = 6/23/2011 10:32 AM	CHECKED -	REVISED -					(IL 94)	CONTRACT NO. 64D72			
	DATE - 3/9/2011 9:49 AM	DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

GENERAL NOTES

Delineators shall be installed as shown in Standard 635001, except that the post shall be rotated 180° and only metal-backed delineators shall be permitted. Delineators shall be placed at the ends of approach guardrail terminal sections, and at each headwall or end section of AR Culverts. This work will be paid for at the contract unit price each for DELINEATORS.

Pavement Marking shall be done according to Standard 780001, except as follows:

1. All words, such as ONLY, shall be 2.4 m (8 feet) high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 200 mm (8"), not 180 mm (7") as shown in the detail of Typical Lane and Edge Lines.

PERMANENT SURVEY MARKERS, TYPE II, shall be set at intervals of 1.6 Km (1 mile) or as directed by the Engineer. Bridge or culvert projects shall have one survey marker placed near the structure. Estimated: 5 Each.

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. The bottom of the marker shall be 5'-0" below the ground surface.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal and vertical coordinates must be derived by GPS and the elevation derived by a closed level circuit. The Engineer shall submit this information to the Survey Crew.

Tree planting layout shall be performed by the District Landscape Architect. Mulch shall be placed 4" thick and to the diameter around the tree as shown on District Standard 92.1. The mulch shall be hardwood wood chips placed on weed barrier fabric. This work shall be included in the cost of the tree.

Right-of-way markers will be erected with the back face of the marker on the right-of-way line unless the new right-of-way line has been surveyed and pinned, in which instance the right-of-way markers will be erected 300 mm (12 inches) inside the new right-of-way line. The markers shall be installed per Highway Standard 666001. Method of installation shall be determined by the Resident Engineer.

The Contractor shall be responsible for protecting utility property during construction operations as outlined in Article 107.31 of the Standard Specifications. A minimum of 48 hours advance notice is required for non-emergency work. The JULIE number is 800-892-0123. The following listed utilities located within the project limits or immediately adjacent to the project construction limits are members of JULIE:

Mediacom/CATV
Attn. Mr. Dennis Jarding 309/743-4750

AT&T/TELEPHONE
Attn. Mr. Dave Creen 309/757-4707

Ameren IP/ELECTRIC
Attn. Mr. James Ripper 815/224-6270

MidAmerican Energy Company/ELECTRIC
Attn. Mr. Jeff Berry 309/793-3833

MidAmerican Energy Company/GAS
Attn. Mr. Steve Hampton 309/793-3707

Reynolds Telephone Co./TELEPHONE
Attn. Mr. Grace Ochsner 309/372-4490

Village of Reynolds/WATER & SEWER
Attn. Mr. Marvin Remrey 309/372-4213

Natural Gas Pipeline/GAS
Attn. Mr. Vince Hannah 309/944-4676

The applicable portions of Article 105.07 of the Standard Specification shall apply except for the following: The Contractor shall be responsible to locate the vertical depths of the underground utilities which may interfere with construction operations. This work will not be measured or paid for separately, but shall be considered as included in the unit bid price for the item of construction involved.

Per SB 699 (90 day utility relocation law), once right-of-way is clear to award the project, a notice will be sent to the utility companies instructing them to have their facilities relocated within 90 days. Estimated date relocation complete = Award Date + 100 days.

CADD data will be available to Contractors and Consultants working on this project. This information will be provided upon request as MicroStation CADD files and Geopak coordinate geometry files ONLY. If data is required in other formats it will be your responsibility to make these conversions. If any discrepancy or inconsistency arises between the electronic data and the information on the hard copy, the information on the hard copy should be used. Contact the District's Project Engineer to request these files.

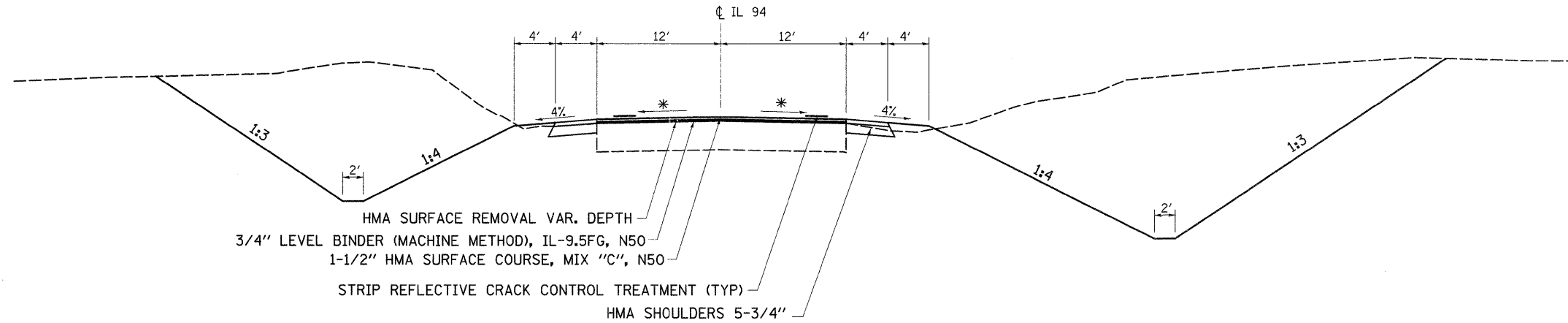
It shall be the Contractor's responsibility to contact the municipality to determine approved methods of utility structure adjustment. Utility structures may include, but are not limited to, manholes, water valves, handholes, etc. All materials and work necessary to complete adjustments per municipality requirements shall be considered included in the cost of the associated adjustment pay item.

The Contractor shall have one day to complete the culverts across 195th Street, 210th Street, and N. West Street.

FILE NAME = 64072 GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	DRAWN -	REVISOR -	FAS 221, 213 & 220			(19, 20)RS-2	Rock Island & Mercer	231	8	
	PLOT SCALE =	CHECKED -	REVISED -			(IL 94)	CONTRACT NO. 64072			
	PLOT DATE = 6/23/2011 10:32 AM	DATE - 3/9/2011 9:49 AM	REVISED -			ILLINOIS		FED. AID PROJECT		
			SCALE: SHEET NO. OF SHEETS STA. TO STA.							

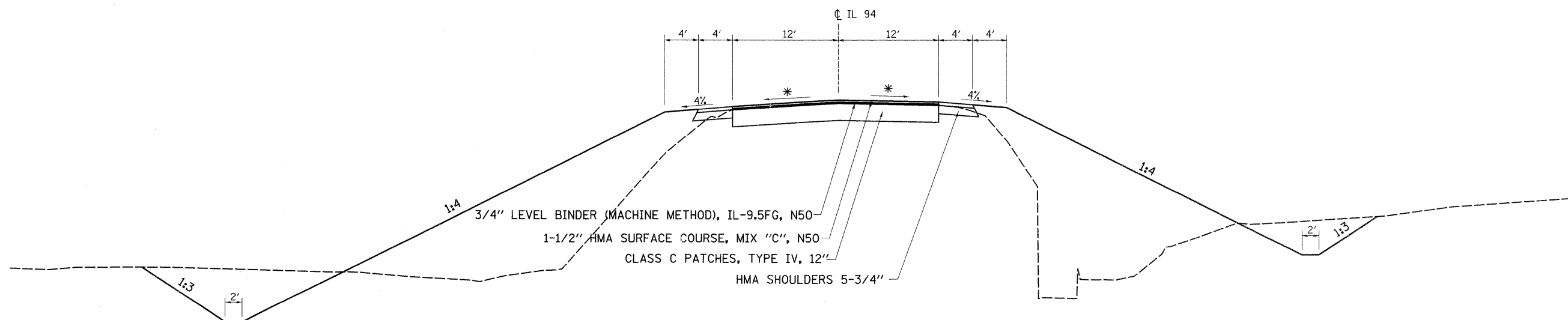
TYPICAL SECTIONS

STA. 17+25 - 22+67
 STA. 23+39 - 28+00
 STA. 132+75 - 137+83
 STA. 138+54 - 144+00
 STA. 297+75 - 304+50
 STA. 305+36 - 323+24
 STA. 323+77 - 327+50
 STA. 354+00 - 363+27
 STA. 364+01 - 370+00
 STA. 370+93 - 375+00



STA. 22+67 - 23+39
 STA. 137+83 - 138+54
 STA. 304+50 - 305+36
 STA. 323+24 - 323+77
 STA. 363+27 - 364+01
 STA. 370+00 - 370+93

* MATCH EXISTING CROSS SLOPE, MIN 1/8" PER FT.
 112 LBS/SQ YD/IN

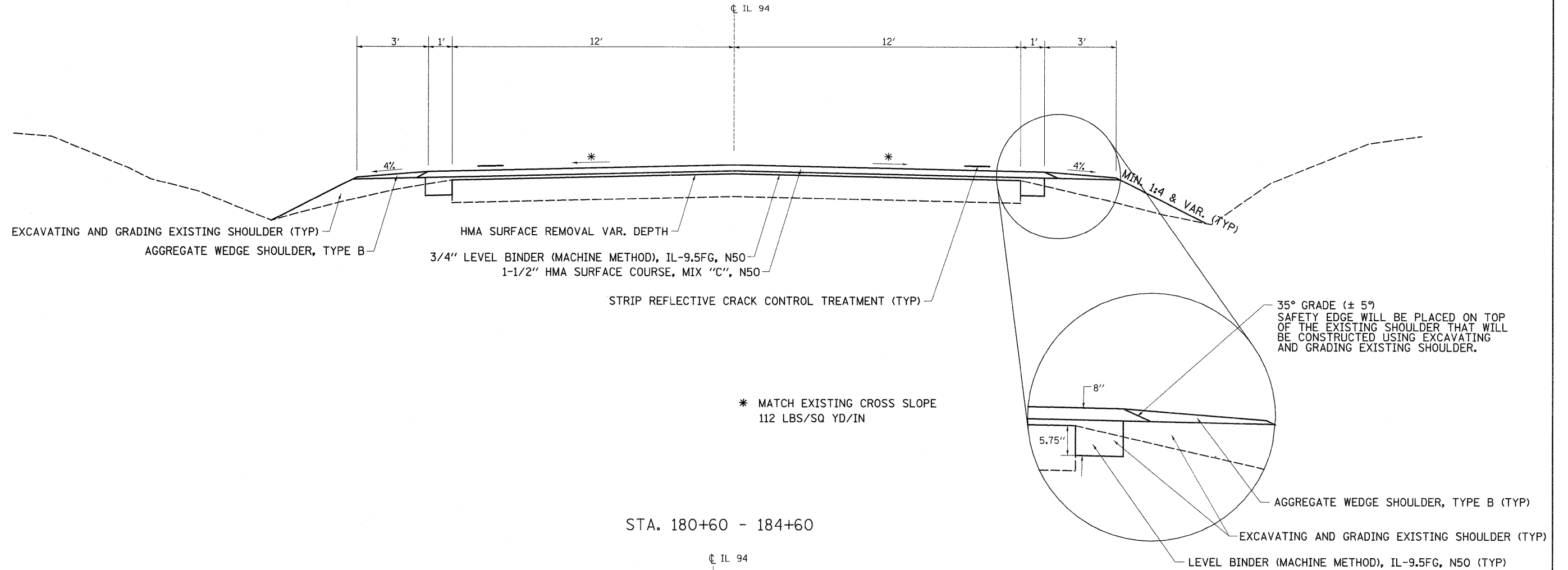


* 221,213 & 220
 ** ROCK ISLAND & MERCER COUNTY

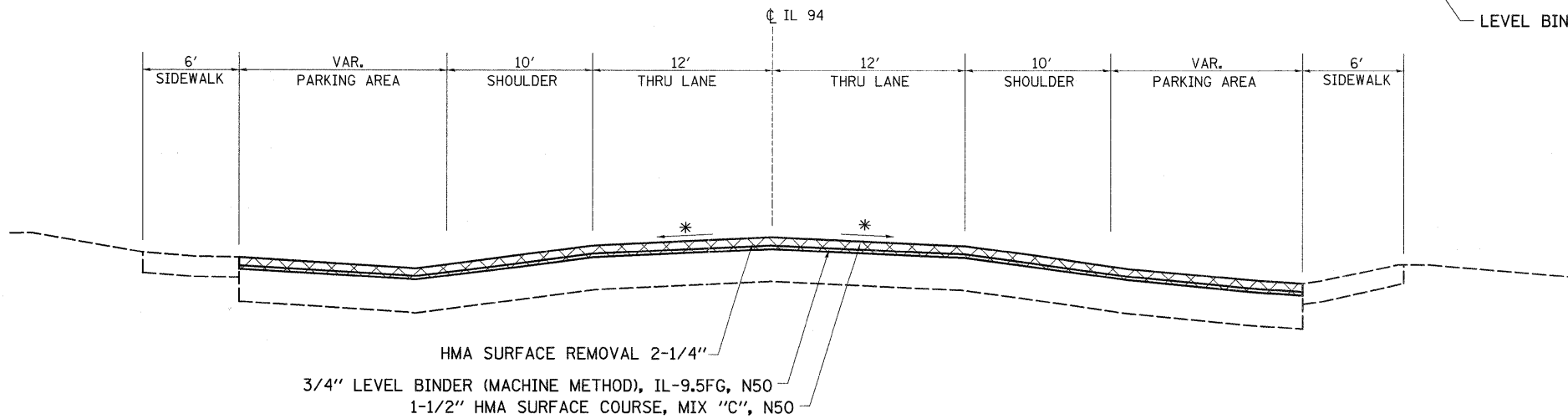
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Thu Jun 23 08:32:57 2011	DATE -	CHECKED -	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	CONTRACT NO. 64D72		
										ILLINOIS FED. AID PROJECT		

TYPICAL SECTIONS

STA. 984+40 - 17+25
 STA. 28+00 - 132+75
 STA. 144+00 - 181+12
 STA. 183+16 - 297+75
 STA. 327+50 - 354+00



STA. 180+60 - 184+60



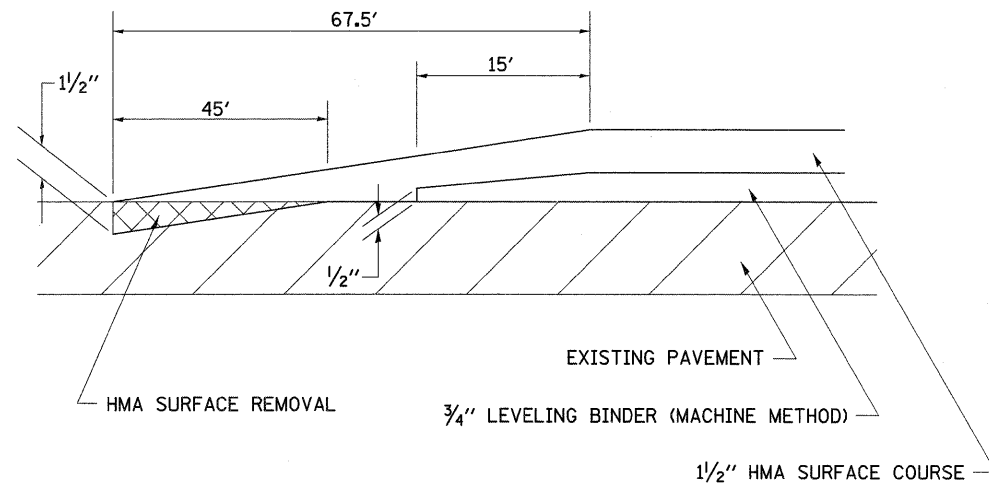
* 221,213 & 220
 ** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TYPICAL SECTIONS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Thu Jun 23 08:32:57 2011	DATE -	CHECKED -	REVISED -			CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT										

TYPICAL SECTIONS

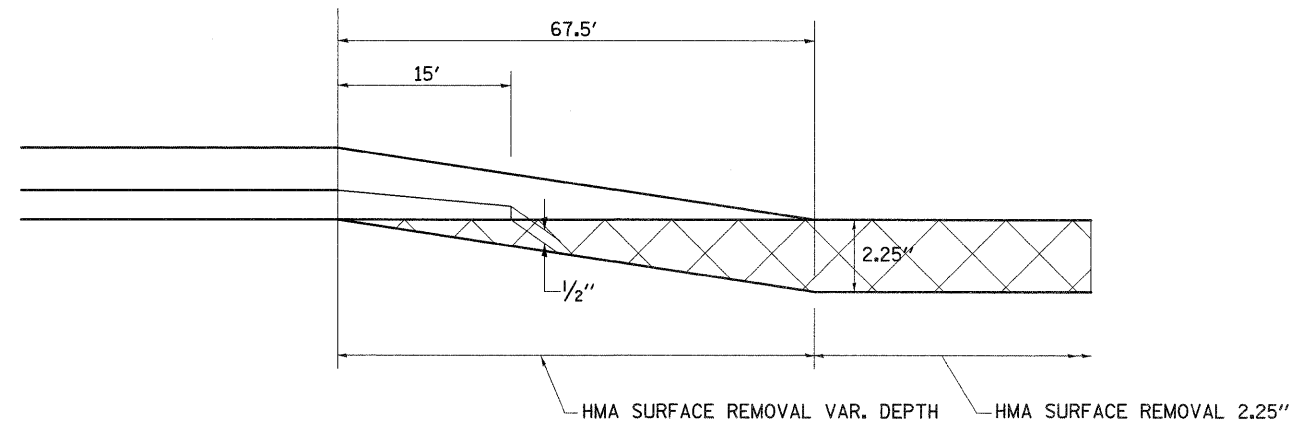
STA. 983+72 - 984+40
 STA. 340+40 - 341+07
 STA. 341+76 - 342+44
 STA. 375+00 - 375+68

TYPICAL TAPER



STA. 179+92.5 - 180+60
 STA. 184+60 - 185+27.5

TAPER



* 221,213 & 220
 ** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
es:\pw_work\pwidot\grantpm\0184077\0212307-sht-typical.dgn		DRAWN -	REVISED -
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	PLOT DATE = Thu Jun 23 08:32:58 2011	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	11
CONTRACT NO. 64072			ILLINOIS FED. AID PROJECT	

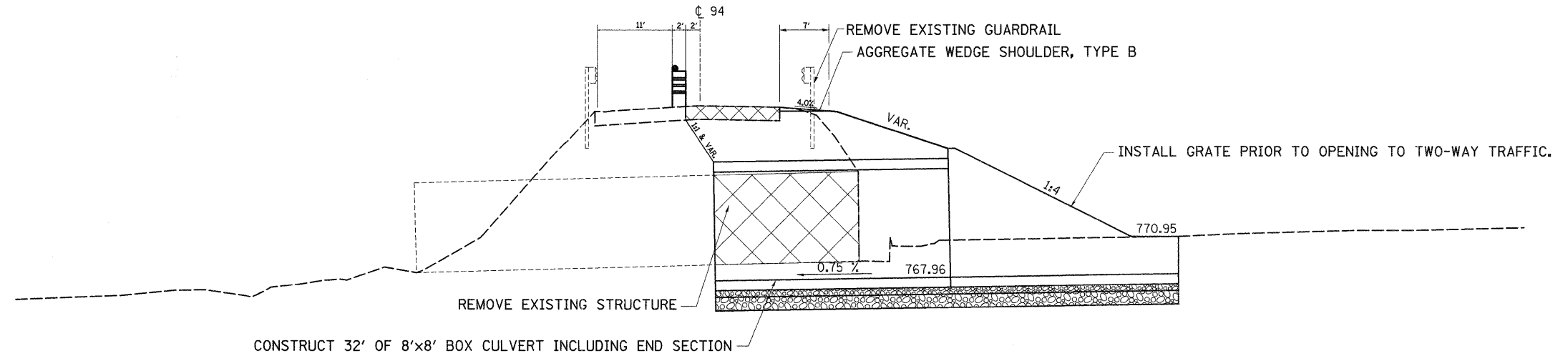
STAGING TYPICAL

CULVERT AT STA. 23 + 03

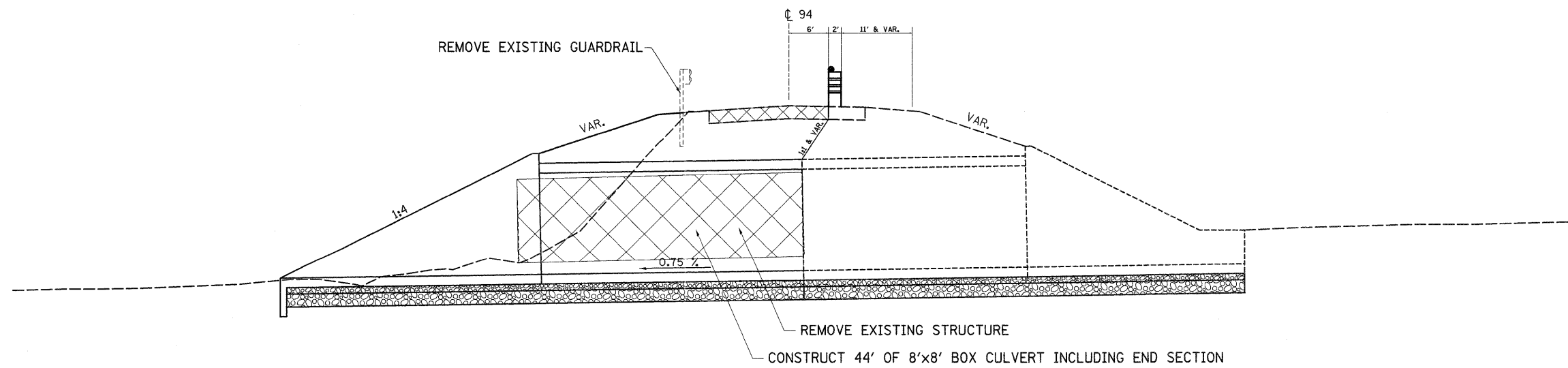
SEQUENCE OF WORK:

1. CONSTRUCTION OF THIS CULVERT WILL BE COMPLETED USING FLAGGERS AS TRAFFIC CONTROL.
2. AT MINIMUM, A 1:3 SLOPE NEEDS TO BE COMPLETED WITHIN THE EXISTING GUARDRAIL AREA PRIOR TO GUARDRAIL REMOVAL ON STAGE 1.
3. ALL PIPE GRATES MUST BE INSTALLED PRIOR TO OPENING ROADWAY TO TWO-WAY TRAFFIC.
4. ONCE STAGE 2 IS COMPLETE THE CLASS C PATCH MUST BE COMPLETED THE FOLLOWING DAY.
5. OVERNIGHT SIGNING SHALL CONSIST OF "ROAD CONSTRUCTION AHEAD", "LOOSE GRAVEL" W8-7(0)48 WITH A 35 mph ADVISORY PLATE AT 500 FT SPACINGS WITH FLASHERS PLACED ON THE SIGNS.

STAGE 1



STAGE 2



* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
ct:\pw\work\pwsdot\cushmanbw\d0184077\02	2307-sht-typico1.dgn	DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = Thu Jun 30 08:38:16 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

STAGING TYPICAL

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	12
CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

20100110 TREE REMOVAL (6 TO 15 UNITS DIAMETER)

LOCATION	UNITS	COMMENTS
STA 302+29.75 41.7' RT	14	
STA 302+37.56 38.3' RT	14	
STA 302+41.68 38.6' RT	12	
STA 302+42.96 36.4' RT	14	
STA 302+69.80 34.8' RT	14	
STA 302+76.28 35.2' RT	12	
STA 302+77.56 38.6' RT	14	
STA 302+78.39 37.2' RT	12	
STA 302+91.39 32.5' RT	12	
STA 303+09.91 30.3' RT	12	
STA 304+76.83 36.3' RT	6	
STA 304+76.83 36.3' RT	11	
STA 304+76.83 36.3' RT	14	
STA 304+76.83 36.3' RT	7	
STA 304+76.83 36.3' RT	12	
STA 304+76.83 36.3' RT	13	
STA 304+76.83 36.3' RT	14	
STA 304+76.83 36.3' RT	9	
STA 304+76.83 36.3' RT	13	
STA 304+76.83 36.3' RT	13	
STA 305+22.11 65.1' RT	12	
STA 305+25.42 59.3' RT	12	
STA 305+27.00 56.8' RT	12	
STA 305+68.50 82.3' RT	14	
STA 305+69.57 82.7' RT	10	
STA 305+70.07 117.9' RT	14	
STA 311+77.61 35.5' RT	6	
STA 314+09.24 48.5' RT	6	
STA 314+18.28 42.8' RT	6	
STA 314+30.66 48.5' RT	6	
STA 358+32.91 35.8' RT	6	
STA 358+45.46 32.3' RT	6	
STA 358+51 30.3' RT	6	
STA 358+52.10 36.1' RT	6	
STA 363+13.71 122' RT	8	
STA 364+03.14 39.2' RT	14	
STA 364+02.95 58.4' RT	6	
STA 364+04.10 47.4' RT	8	
STA 364+04.10 47.4' RT	8	
STA 364+04.10 47.4' RT	8	
STA 364+04.10 47.4' RT	8	
STA 364+04.10 47.4' RT	8	
STA 364+29.22 55.8' RT	8	
STA 364+92.94 31.9' RT	14	
STA 364+95.79 31.2' RT	14	
STA 365+23.11 33' RT	10	
STA 365+23.16 31.7' RT	12	
STA 365+24.45 32.1' RT	14	
STA 368+66.29 33.7' RT	6	
STA 369+84.63 33' RT	12	
STA 370+28.66 30' RT	10	
STA 374+70 40' RT	10	
STA 374+70 40' RT	9	
TOTAL	559	

20100210 TREE REMOVAL (OVER 15 UNITS DIAMETER)

LOCATION	UNITS	COMMENTS
STA 22+48.91 72.3' LT	20	
STA 302+46.73 38.1' RT	16	
STA 303+68.33 34.5' RT	16	
STA 304+82.66 56.3' RT	24	
STA 304+89.22 74.6' RT	36	
STA 304+97.56 69.5' RT	16	
STA 305+23.40 63' RT	24	
STA 305+37.41 71.4' RT	24	
STA 305+45.60 90.5' RT	24	
STA 305+46.60 46.4' RT	16	
STA 305+51.28 57.2' RT	48	
STA 305+64.00 79.4' RT	16	
STA 305+64.52 105.50' RT	24	
STA 305+73.70 91.4' RT	28	
STA 311+77.61 35.5' RT	40	
STA 363+66.59 91.14' RT	14	
STA 363+55.10 106.61' RT	14	
STA 369+78.26 34.8' RT	16	
TOTAL	416	

20200600 EXCAVATING AND GRADING EXISTING SHOULDER

LOCATION	UNIT	COMMENTS
<u>MERCER COUNTY</u>		
STA 984+17 TO 7+85 LT & RT	49	Estimated Quantity
<u>ROCK ISLAND COUNTY</u>		
STA 7+85 TO 17+25 LT & RT	19	Estimated Quantity
STA 28+00 TO 132+75 LT & RT	210	Estimated Quantity
STA 144+00 TO 180+15 LT & RT	72	Estimated Quantity
STA 190+00 TO 297+75 LT & RT	216	Estimated Quantity
STA 327+50 TO 354+00 LT & RT	27	Estimated Quantity
TOTAL	592	

25000100 SEEDING, CLASS 1

LOCATION	ACRE	COMMENTS
STA 18+50 TO 21+50 RT	0.17	
STA 156+00 TO 190+00 LT & RT	0.25	ESTIMATED QUANTITY IN RESURFACING AREA
STA 190+00 TO 213+00 LT	0.16	ESTIMATED QUANTITY IN RESURFACING AREA
STA 311+00 TO 314+00 LT & RT	0.23	
STA 326+50 TO 327+50 LT & RT	0.11	
STA 327+50 TO 335+00 LT & RT	0.10	ESTIMATED QUANTITY IN RESURFACING AREA
TOTAL	1.02	

25000210 SEEDING, CLASS 2A

LOCATION	ACRE	COMMENTS
<u>MERCER COUNTY</u>		
STA 984+17 TO 7+85 LT & RT	0.25	ESTIMATED QUANTITY
<u>ROCK ISLAND COUNTY</u>		
STA 7+85 TO 17+25 LT & RT	0.10	ESTIMATED QUANTITY
STA 17+25 TO 28+00 LT & RT	1.60	CULVERT AREA
STA 28+00 TO 132+75 LT & RT	1.00	ESTIMATED QUANTITY
STA 132+75 TO 144+00 LT & RT	1.00	CULVERT AREA
STA 144+00 TO 180+15 LT & RT	0.50	ESTIMATED QUANTITY
STA 190+00 TO 297+75 LT & RT	1.00	ESTIMATED QUANTITY
STA 297+75 TO 327+50 LT & RT	3.90	CULVERT AREA
STA 327+50 TO 354+00 LT & RT	0.25	ESTIMATED QUANTITY
STA 354+00 TO 375+00 LT & RT	2.50	CULVERT AREA
TOTAL	12.10	

25000310 SEEDING, CLASS 4

LOCATION	ACRE	COMMENTS
STA 17+25 TO 28+00 LT & RT	1.25	
STA 132+75 TO 144+00 LT & RT	1.00	
STA 297+75 TO 327+50 LT & RT	2.25	
STA 354+00 TO 375+00 LT & RT	2.50	
TOTAL	7.00	

25000400 NITROGEN FERTILIZER NUTRIENT

LOCATION	POUND	COMMENTS
<u>MERCER COUNTY</u>		
STA 984+17 TO 7+85 LT & RT	22.5	ESTIMATED QUANTITY
<u>ROCK ISLAND COUNTY</u>		
STA 7+85 TO 17+25 LT & RT	9.0	ESTIMATED QUANTITY
STA 17+25 TO 28+00 LT & RT	243.0	
STA 28+00 TO 132+75 LT & RT	90.0	ESTIMATED QUANTITY
STA 132+75 TO 144+00 LT & RT	153.0	
STA 144+00 TO 180+15 LT & RT	45.0	ESTIMATED QUANTITY
STA 190+00 TO 297+75 LT & RT	90.0	ESTIMATED QUANTITY
STA 297+75 TO 327+50 LT & RT	540.0	
STA 327+50 TO 354+00 LT & RT	22.5	ESTIMATED QUANTITY
STA 354+00 TO 375+00 LT & RT	450.0	
TOTAL	1665	

25000500 PHOSPHORUS FERTILIZER NUTRIENT

LOCATION	POUND	COMMENTS
<u>MERCER COUNTY</u>		
STA 984+17 TO 7+85 LT & RT	22.5	ESTIMATED QUANTITY
<u>ROCK ISLAND COUNTY</u>		
STA 7+85 TO 17+25 LT & RT	9.0	ESTIMATED QUANTITY
STA 17+25 TO 28+00 LT & RT	243.0	
STA 28+00 TO 132+75 LT & RT	90.0	ESTIMATED QUANTITY
STA 132+75 TO 144+00 LT & RT	153.0	
STA 144+00 TO 180+15 LT & RT	45.0	ESTIMATED QUANTITY
STA 190+00 TO 297+75 LT & RT	90.0	ESTIMATED QUANTITY
STA 297+75 TO 327+50 LT & RT	540.0	
STA 327+50 TO 354+00 LT & RT	22.5	ESTIMATED QUANTITY
STA 354+00 TO 375+00 LT & RT	450.0	
TOTAL	1665	

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\grantpm\0184077\021207-ahc-schedule.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	13
PLOT SCALE = 50.0000' / 1" =		CHECKED -	REVISED -						CONTRACT NO. 64D72	
PLOT DATE = Thu Jun 23 08:45:44 2011		DATE -	REVISED -		SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
										ILLINOIS FED. AID PROJECT

SCHEDULE OF QUANTITIES

44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT <u>LOCATION</u> MERCER COUNTY STA 984+40 TO 7+85 ROCK ISLAND COUNTY STA 7+85 TO 375+00	<u>FOOT</u> 2505 <hr/> 36715 39220	<u>COMMENTS</u> LOCATIONS TO BE DETERMINED BY RESIDENT ENGINEER LOCATIONS TO BE DETERMINED BY RESIDENT ENGINEER						
50100300	REMOVAL OF EXISTING STRUCTURES NO. 1 <u>LOCATION</u> STA 22+91	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u> SEE SPECIAL PROVISIONS FOR DETAILS						
50100400	REMOVAL OF EXISTING STRUCTURES NO. 2 <u>LOCATION</u> STA 138+30.17	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u> SEE SPECIAL PROVISIONS FOR DETAILS						
50100500	REMOVAL OF EXISTING STRUCTURES NO. 3 <u>LOCATION</u> STA 304+86	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u> SEE SPECIAL PROVISIONS FOR DETAILS						
50100600	REMOVAL OF EXISTING STRUCTURES NO. 4 <u>LOCATION</u> STA 323+61	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u> SEE SPECIAL PROVISIONS FOR DETAILS						
50100700	REMOVAL OF EXISTING STRUCTURES NO. 5 <u>LOCATION</u> STA 363+91	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u> SEE SPECIAL PROVISIONS FOR DETAILS						
50100800	REMOVAL OF EXISTING STRUCTURES NO. 6 <u>LOCATION</u> STA 370+27	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u> SEE SPECIAL PROVISIONS FOR DETAILS						
50104400	CONCRETE HEADWALL REMOVAL <u>LOCATION</u> STA 319+65.00 RT	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u>						
51500100	NAME PLATES <u>LOCATION</u> STA 23+03 STA 138+19 STA 304+96 STA 323+50 STA 363+65	<u>EACH</u> 1 1 1 1 1 <hr/> 5	<u>COMMENTS</u>						
54001061	GRATED BOX CULVERT END SECTIONS, CULVERT NO. 01 <u>LOCATION</u> STA 23+03 LT	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u>						
54001062	GRATED BOX CULVERT END SECTIONS, CULVERT NO. 02 <u>LOCATION</u> STA 138+19 LT	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u>						
54010804	PRECAST CONCRETE BOX CULVERTS 8' X 4' <u>LOCATION</u> STA 138+19 34' LT & 32' RT @ 28° SKEW	<u>FOOT</u> 66 <hr/> 66	<u>COMMENTS</u>						
54010808	PRECAST CONCRETE BOX CULVERTS 8' X 8' <u>LOCATION</u> STA 23+03 39' LT & 37' RT @ 27° SKEW	<u>FOOT</u> 76 <hr/> 76	<u>COMMENTS</u>						
54213681	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 36" <u>LOCATION</u> STA 323+50 RT	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u>						
542A1129	PIPE CULVERTS, CLASS A, TYPE 2 84" <u>LOCATION</u> STA 363+65 51' LT & 60' RT @ 22° SKEW	<u>FOOT</u> 111 <hr/> 111	<u>COMMENTS</u>						
542A1921	PIPE CULVERTS, CLASS A, TYPE 3 36" <u>LOCATION</u> STA 323+50 45' LT & 68' RT	<u>FOOT</u> 113 <hr/> 113	<u>COMMENTS</u>						
542A1933	PIPE CULVERTS, CLASS A, TYPE 3 48" <u>LOCATION</u> STA 304+96 67' LT & 84' RT @ 35° SKEW	<u>FOOT</u> 151 <hr/> 151	<u>COMMENTS</u>						
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15" <u>LOCATION</u> STA 18+09 25' RT STA 21+06 34' RT STA 24+85 40' RT STA 313+19 36' LT STA 315+34 36.5' RT	<u>FOOT</u> 127 46 52 50 46 <hr/> 321	<u>COMMENTS</u> FIELD ENTRANCE PRIVATE ENTRANCE FIELD ENTRANCE PRIVATE ENTRANCE FIELD ENTRANCE						
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18" <u>LOCATION</u> STA 54+63 28' RT STA 132+00 28' RT STA 161+00 26' LT	<u>FOOT</u> 48 50 52 <hr/> 150	<u>COMMENTS</u> 195TH ST. 210TH ST. N. West St.						
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24" <u>LOCATION</u> STA 370+37 42' RT STA 371+03 47' RT	<u>FOOT</u> 72 54 <hr/> 126	<u>COMMENTS</u> FIELD ENTRANCE FIELD ENTRANCE						
542D1060	PIPE CULVERTS, CLASS D, TYPE 2 15" <u>LOCATION</u> STA 24+03 59.5' LT STA 365+44 46.5' LT	<u>FOOT</u> 82 62 <hr/> 144	<u>COMMENTS</u> FIELD ENTRANCE FIELD ENTRANCE						
54213450	END SECTIONS 15" <u>LOCATION</u> STA 18+09 RT STA 21+06 RT STA 24+03 LT STA 24+85 RT STA 313+19 LT STA 315+34 RT STA 365+44 LT	<u>EACH</u> 2 2 2 2 2 2 2 <hr/> 14	<u>COMMENTS</u>						
54213453	END SECTIONS 18" <u>LOCATION</u> STA 54+63 RT STA 132+00 RT STA 161+00 LT	<u>EACH</u> 2 2 2 <hr/> 6	<u>COMMENTS</u>						
54213459	END SECTIONS 24" <u>LOCATION</u> STA 370+37 RT STA 371+03 RT	<u>EACH</u> 1 1 <hr/> 2	<u>COMMENTS</u>						
54213471	END SECTIONS 36" <u>LOCATION</u> STA 370+00 RT	<u>EACH</u> 1 <hr/> 1	<u>COMMENTS</u>						

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pws\dts\cushmanbw\d8184877\02	2387-sht-schedule.dgn	DRAWN -	REVISED -			*	(19,20)RS-2	**	231	15	
	PLOT SCALE = 50.0000' / 1in.	CHECKED -	REVISED -								
	PLOT DATE = Thu Jun 30 08:53:45 2011	DATE -	REVISED -								
						SCALE:		SHEET NO. OF SHEETS		STA. TO STA.	
										ILLINOIS FED. AID PROJECT	
										CONTRACT NO. 64D72	

SCHEDULE OF QUANTITIES

60100060	CONCRETE HEADWALL FOR PIPE DRAINS LOCATION STA 23+03 LT & RT STA 138+19 LT & RT STA 304+96 LT & RT STA 323+50 LT & RT STA 363+65 LT & RT STA 370+75 LT & RT TOTAL	EACH 4 4 4 4 4 4 4 24	COMMENTS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS	63200310	GUARDRAIL REMOVAL LOCATION STA 21+36.35 TO 23+90.85 LT STA 21+49.45 TO 23+77.98 RT STA 135+82.46 TO 139+45.1 RT STA 136+27.43 TO 139+92.9 LT STA 303+42.26 TO 305+82.9 LT STA 303+54.53 TO 306+82.5 RT STA 321+84.50 TO 324+88.0 RT STA 361+64.51 TO 366+93.0 RT STA 362+12.37 TO 365+21.0 LT STA 368+85.57 TO 370+38.5 RT STA 369+90.41 TO 372+05.4 LT TOTAL	FOOT 254.5 228.53 362.71 365.53 240.69 328.05 303.56 528.55 308.68 153.01 215 3288.81	COMMENTS
60100915	PIPE DRAINS 6" LOCATION STA 138+19 RT TOTAL	FOOT 120 120	COMMENTS	63500105	DELINEATORS LOCATION STA 23+03 LT & RT STA 138+19 LT & RT STA 304+96 LT & RT STA 323+50 LT & RT STA 363+65 LT & RT TOTAL	EACH 2 2 2 2 2 10	COMMENTS
60100925	PIPE DRAINS 8" LOCATION STA 138+19 RT STA 363+65 LT TOTAL	FOOT 60 50 110	COMMENTS	60100935	PIPE DRAINS 10" LOCATION STA 304+96 LT STA 323+50 LT TOTAL	FOOT 60 50 110	COMMENTS
60100945	PIPE DRAINS 12" LOCATION STA 23+03 RT TOTAL	FOOT 50 50	COMMENTS	60100965	PIPE DRAINS 18" LOCATION STA 23+03 RT TOTAL	FOOT 50 50	COMMENTS
60107600	PIPE UNDERDRAINS 4" LOCATION STA 23+03 LT & RT STA 138+19 LT & RT STA 304+96 LT & RT STA 323+50 LT & RT STA 363+65 LT & RT STA 370+27 LT & RT TOTAL	FOOT 116 116 116 116 116 116 696	COMMENTS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS SEE DISTRICT STD. 37.2 FOR LOCATIONS	60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE LOCATION STA 370+75 46' RT TOTAL	EACH 1 1	COMMENTS
61100500	EXPLORATION TRENCH 52" DEPTH LOCATION STA 23+03 RT STA 138+19 RT STA 304+96 LT STA 323+50 LT STA 363+65 LT STA 370+75 LT TOTAL	FOOT 150 150 100 100 100 50 650	COMMENTS	61101017	STORM SEWERS PROTECTED, CLASS A, 15" LOCATION STA 370+75 58' LT & 44' RT TOTAL	FOOT 102 102	COMMENTS QUANTITY IS ESTIMATED BASED ON JUNCTION VAULT LOCATION IN FIELD.
61133100	FIELD TILE JUNCTION VAULTS 2' DIA. LOCATION STA 138+19 RT STA 304+96 LT STA 323+50 LT STA 363+65 LT TOTAL	EACH 3 1 1 1 6	COMMENTS LOCATION TO BE DETERMINED IN THE FIELD LOCATION TO BE DETERMINED IN THE FIELD LOCATION TO BE DETERMINED IN THE FIELD LOCATION TO BE DETERMINED IN THE FIELD	61133200	FIELD TILE JUNCTION VAULTS 3' DIA. LOCATION STA 23+03 RT STA 370+75 LT TOTAL	EACH 2 1 3	COMMENTS LOCATION TO BE DETERMINED IN THE FIELD LOCATION TO BE DETERMINED IN THE FIELD

* 221,213 & 220
 ** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwsdot\grantpm\d8184077\0212307-ah-t-schedule.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	16
PLOT SCALE = 5/8"=1'-0"		CHECKED -	REVISED -							
PLOT DATE = Thu Jun 23 08:45:46 2011		DATE -	REVISED -							
						SCALE:	SHEET NO.	OF	SHEETS	STA. TO STA.
						ILLINOIS FED. AID PROJECT				
						CONTRACT NO. 64072				

SCHEDULE OF QUANTITIES

66600105

FURNISHING AND ERECTING RIGHT-OF-WAY-MARKERS

LOCATION	EACH	COMMENTS
STA 18+00	33' LT	1
STA 19+00	45' LT	1
STA 20+00	75' LT	1
STA 21+50	100' LT	1
STA 23+50	100' LT	1
STA 25+00	95' LT	1
STA 28+00	32' RT	1
STA 29+00	35' LT	1
STA 132+28.05	45' RT	1
STA 133+00	45' RT	1
STA 133+93.07	50' LT	1
STA 134+50	50' LT	1
STA 135+00	70' RT	1
STA 135+50	70' LT	1
STA 136+00	70' RT	1
STA 137+00	55' RT	1
STA 139+00	70' LT	1
STA 140+00	65' LT	1
STA 141+00	55' RT	1
STA 142+00	65' LT	1
STA 142+00	45' RT	1
STA 144+00	45' RT	1
STA 145+00	33' LT	1
STA 145+00	33' RT	1
STA 297+00	32.38' LT	1
STA 297+00	33' RT	1
STA 298+00	55' RT	1
STA 298+50	65' LT	1
STA 301+00	80' RT	1
STA 302+00	60' LT	1
STA 303+00	105' RT	1
STA 304+00	70' LT	1
STA 305+00	70' LT	1
STA 305+00	115' RT	1
STA 305+25	125' RT	1
STA 306+25	125' RT	1
STA 306+50	80' LT	1
STA 306+50	110' RT	1
STA 309+00	70' RT	1
STA 310+50	50' RT	1
STA 313+00	65' RT	1
STA 314+00	55' LT	1
STA 315+00	50' LT	1
STA 315+00	65' RT	1
STA 316+50	75' RT	1
STA 317+00	80' LT	1
STA 317+50	70' RT	1
STA 318+00	65' LT	1
STA 319+25	80' RT	1
STA 319+75	80' RT	1
STA 320+00	65' LT	1
STA 321+50	105' LT	1
STA 323+00	75' LT	1
STA 323+00	75' RT	1
STA 323+25	110' RT	1
STA 323+75	75' LT	1
STA 323+75	110' RT	1
STA 324+00	60' LT	1
STA 324+00	95' RT	1
STA 325+00	90' RT	1
STA 325+50	55' LT	1
STA 326+00	75' RT	1
STA 326+25	65' LT	1
STA 326+75	65' LT	1
STA 327+71.21	33' LT	1
STA 327+00	40' RT	1
STA 327+50	33' RT	1
STA 353+00	33' RT	1
STA 353+58	40' LT	1
STA 354+00	50' LT	1
STA 355+00	50' LT	1
STA 355+00	60' RT	1
STA 357+00	85' LT	1
STA 357+00	90' RT	1
STA 358+00	90' RT	1
STA 359+00	100' LT	1
STA 359+00	65' RT	1

STA 360+00	100' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 361+50	90' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 362+00	65' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 362+50	80' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 362+75	130' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 363+50	130' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 363+75	95' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 364+00	75' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 364+25	95' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 365+00	70' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 366+00	85' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 366+00	50' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 367+00	120' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 368+00	145' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 369+00	160' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 369+50	50' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 369+75	160' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 370+05	70' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 370+25	85' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 371+00	85' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 371+25	65' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 372+00	65' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 373+00	55' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 373+50	110' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 374+00	110' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 375+00	60' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 375+63.14	45' LT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
STA 375+73.25	55' RT	1	SEE GENERAL NOTE FOR INSTALLATION METHOD
TOTAL		105	

LOCATION	EACH	COMMENTS
66700305	PERMANENT SURVEY MARKERS, TYPE II	
	TO BE DETERMINED IN FIELD	
TOTAL		5

LOCATION	FOOT	COMMENTS
70300100	SHORT TERM PAVEMENT MARKING	
Mercer County		
STA 983+72 TO 1000+93	Yellow (2 Apl.)	344.20
STA 00+00 TO 7+85	Yellow (2 Apl.)	157.00
Mercer County Total		501.20
Rock Island County		
STA 7+85 TO 375+00	Yellow (2 Apl.)	7,343.00
Rock Island County Total		7,343.00
Both Countie TOTAL		7,844.20

LOCATION	SQ FT	COMMENTS
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	
Mercer County		
STA 983+72 TO 1000+93	57.37	Skip Dash Center
STA 00+00 TO 7+85	26.17	Skip Dash Center
Mercer County Total		83.53
Rock Island County		
STA 7+85 TO 375+00	1,223.83	Skip Dash Center
Rock Island County Total		1,223.83
Both Countie TOTAL		1,307.37

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw_work\pwsdot\grantpm\d8184077\0212207-ht-schedule.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	17	
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 64D72					
PLOT DATE = Thu Jun 23 08:45:46 2011		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

SCHEDULE OF QUANTITIES

78001110

PAINT PAVEMENT MARKING - LINE 4"

LOCATION

Mercer County

LOCATION	FOOT	COMMENTS
STA 983+72 TO 991+61 Yellow	(2 Apl.) 394.50	Skip Dash Center
STA 991+61 TO 1000+93 Yellow	(2 Apl.) 2,330.00	Solid RT, Skip Dash LT
STA 00+00 TO 7+85 Yellow	(2 Apl.) 3,140.00	Double Solid
190th Ave West Yellow	(2 Apl.) 40.00	2 Skip Dashes
TOTAL YELLOW:	5,904.50	

STA 983+72 TO 1000+93 White	(2 Apl.) 6,884.00	LT & RT Edge Lines
STA 00+00 TO 3+57 White	(2 Apl.) 1,428.00	LT & RT Edge Lines
STA 3+57 TO 4+77 White	(2 Apl.) 240.00	RT Edge Line - 190th Ave West
STA 4+77 TO 7+85 White	(2 Apl.) 1,232.00	LT & RT Edge Lines
190th Ave West White	(2 Apl.) 400.00	LT & RT Edge Lines
TOTAL WHITE:	10,184.00	

MERCER CO YELLOW AND WHITE GRAND TOTAL: 16,088.50

Rock Island County

STA 7+85 TO 30+38 Yellow	(2 Apl.) 9,012.00	Double Solid
STA 30+38 TO 41+28 Yellow	(2 Apl.) 2,725.00	Skip Dash RT, Solid LT
STA 41+28 TO 52+27 Yellow	(2 Apl.) 549.50	Skip Dash Center
STA 52+27 TO 64+21 Yellow	(2 Apl.) 2,985.00	Solid RT, Skip Dash LT
STA 64+21 TO 111+12 Yellow	(2 Apl.) 18,764.00	Double Solid
STA 111+12 TO 121+68 Yellow	(2 Apl.) 2,640.00	Skip Dash RT, Solid LT
STA 121+68 TO 123+31 Yellow	(2 Apl.) 81.50	Skip Dash Center
STA 123+31 TO 130+66 Yellow	(2 Apl.) 1,837.50	Solid RT, Skip Dash LT
STA 130+66 TO 198+40 Yellow	(2 Apl.) 27,096.00	Double Solid
STA 198+40 TO 207+87 Yellow	(2 Apl.) 2,367.50	Skip Dash RT, Solid LT
STA 207+87 TO 212+41 Yellow	(2 Apl.) 227.00	Skip Dash Center
STA 212+41 TO 223+81 Yellow	(2 Apl.) 2,850.00	Solid RT, Skip Dash LT
STA 223+81 TO 241+11 Yellow	(2 Apl.) 6,920.00	Double Solid
STA 241+11 TO 250+77 Yellow	(2 Apl.) 2,415.00	Skip Dash RT, Solid LT
STA 250+77 TO 253+21 Yellow	(2 Apl.) 122.00	Skip Dash Center
STA 253+21 TO 261+76 Yellow	(2 Apl.) 2,137.50	Solid RT, Skip Dash LT
STA 261+76 TO 321+03 Yellow	(2 Apl.) 23,708.00	Double Solid
STA 321+03 TO 329+51 Yellow	(2 Apl.) 2,120.00	Solid RT, Skip Dash LT
STA 329+51 TO 331+80 Yellow	(2 Apl.) 916.00	Double Solid
STA 331+80 TO 341+92 Yellow	(2 Apl.) 2,530.00	Skip Dash RT, Solid LT
STA 341+92 TO 347+00 Yellow	(2 Apl.) 254.00	Skip Dash Center
STA 347+00 TO 355+82 Yellow	(2 Apl.) 2,205.00	Solid RT, Skip Dash LT
STA 355+82 TO 358+77 Yellow	(2 Apl.) 1,180.00	Double Solid
STA 358+77 TO 369+50 Yellow	(2 Apl.) 2,682.50	Skip Dash RT, Solid LT
STA 369+50 TO 370+79 Yellow	(2 Apl.) 64.50	Skip Dash Center
STA 370+79 TO 375+00 Yellow	(2 Apl.) 1,052.50	Solid RT, Skip Dash LT
105th St West Yellow	(2 Apl.) 40.00	2 Skip Dashes
176th Ave West Yellow	(2 Apl.) 40.00	2 Skip Dashes
TOTAL YELLOW:	119,522.00	

STA 7+85 TO 53+03 White	(2 Apl.) 18,072.00	LT & RT Edge Lines
STA 53+03 TO 54+33 White	(2 Apl.) 260.00	RT Edge Line - 105th St W
STA 54+47 TO 55+00 White	(2 Apl.) 106.00	LT Edge Line - 195th St
STA 55+00 TO 105+51 White	(2 Apl.) 20,204.00	LT & RT Edge Lines
STA 105+51 TO 106+10 White	(2 Apl.) 118.00	LT Edge Line - 205th St
STA 106+10 TO 106+64 White	(2 Apl.) 216.00	LT & RT Edge Lines
STA 106+64 TO 107+37 White	(2 Apl.) 146.00	RT Edge Line - 91st St W
STA 107+37 TO 131+72 White	(2 Apl.) 9,740.00	LT & RT Edge Lines
STA 131+72 TO 132+24 White	(2 Apl.) 104.00	LT Edge Line - 210th St
STA 132+24 TO 133+27 White	(2 Apl.) 412.00	LT & RT Edge Lines
STA 133+27 TO 134+09 White	(2 Apl.) 164.00	RT Edge Line - 84th St W
STA 134+09 TO 148+67 White	(2 Apl.) 5,832.00	LT & RT Edge Lines
STA 148+67 TO 149+54 White	(2 Apl.) 174.00	LT Edge Line - 180th Ave
STA 149+54 TO 157+03 White	(2 Apl.) 2,996.00	LT & RT Edge Lines
STA 157+03 TO 157+76 White	(2 Apl.) 146.00	RT Edge Line - Sunset Blvd
STA 157+76 TO 160+75 White	(2 Apl.) 1,196.00	LT & RT Edge Lines
Skip Through West Blvd		
STA 161+24 TO 168+35 White	(2 Apl.) 2,844.00	LT & RT Edge Lines
Skip Through Madison St		
STA 168+78 TO 176+79 White	(2 Apl.) 3,204.00	LT & RT Edge Lines
STA 176+79 TO 177+37 White	(2 Apl.) 116.00	RT Edge Line - Posey St
STA 177+37 TO 180+60 White	(2 Apl.) 1,292.00	LT & RT Edge Lines
Skip Through Williams St		
STA 181+12 TO 183+16 White	(2 Apl.) 216.00	Parking Lanes LT & RT
STA 181+13 TO 183+50 White	(2 Apl.) 948.00	LT & RT Edge Lines
STA 183+50 TO 184+62 White	(2 Apl.) 224.00	LT Edge Line - Main St
STA 184+62 TO 185+25 White	(2 Apl.) 252.00	LT & RT Edge Lines
STA 185+25 TO 185+60 White	(2 Apl.) 70.00	LT Edge Line - Front St
Skip Through Part of Front St		
STA 185+83 TO 186+16 White	(2 Apl.) 66.00	RT Edge Line - Front St
STA 186+16 TO 207+13 White	(2 Apl.) 8,388.00	LT & RT Edge Lines
STA 207+13 TO 207+75 White	(2 Apl.) 124.00	RT Edge Line - Lloyd St
STA 207+75 TO 210+82 White	(2 Apl.) 1,228.00	LT & RT Edge Lines
STA 210+82 TO 211+23 White	(2 Apl.) 82.00	RT Edge Line - Hartman St
STA 211+23 TO 233+53 White	(2 Apl.) 8,920.00	LT & RT Edge Lines
STA 233+53 TO 234+31 White	(2 Apl.) 156.00	RT Edge Line - 176th Ave W
STA 234+31 TO 234+52 White	(2 Apl.) 84.00	LT & RT Edge Lines
STA 234+52 TO 235+98 White	(2 Apl.) 292.00	LT Edge Line - 176th Ave W
STA 235+98 TO 340+25 White	(2 Apl.) 41,708.00	LT & RT Edge Lines
STA 340+25 TO 340+82 White	(2 Apl.) 228.00	LT Edge Line - Side Road/PE
STA 340+82 TO 375+00 White	(2 Apl.) 13,672.00	LT & RT Edge Lines
105th St West White	(2 Apl.) 330.00	LT & RT Edge Lines
176th Ave West White	(2 Apl.) 374.00	LT & RT Edge Lines
TOTAL WHITE:	144,704.00	

ROCK ISLAND CO YELLOW AND WHITE GRAND TOTAL: 264,226.00

BOTH COUNTIES YELLOW AND WHITE GRAND TOTAL: 280,314.50

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca\pwork\pwork\grantpm\20110607\20110607-sht-schedule.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	18	
PLOT SCALE = 50,0000' / 1in.		CHECKED -	REVISED -			CONTRACT NO. 64D72					
PLOT DATE = Thu Jun 23 08:45:47 2011		DATE -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.

HMA SCHEDULE

		H.M.A.		H.M.A. AREA		* BIT PRIME		* AGG PRIME		* HMA SURF REM BUTT JNT		* TEMP RAMP		HMA SURF REM (VAR DEPTH)		HMA SURF REM 2.25"		LEVEL BINDER (MM) IL-9.5FG, N50		HMA SURF CSE MIX "C", N50		HMA SHLDR 5.75"		H.M.A. SURF CRS MIX "C" N50		AGGREGATE WEDGE SHOULDER TYPE B						
STATIONING		REMARKS		LGTH	WIDTH	SQ. FT.	SQ. YD.	TON	TON	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	SQ YD	TON	TON	SQ YD	TON	SQ YD	(SHLDR) TON	TON	TON	TON	TON	TON	TON					
MAINLINE -- IL 94 Mercer County																																
983+72.0	-	984+39.5	Butt Joint	67.5	24	1620	180.0	0.10	0.27	66.7	20.0					0.9	9.0										7.7					
984+39.5	-	1000+92.8	1' Safety Sldr Both Sides	1653	24	39678	4408.7	2.52	6.61					4408.7		365.2	401.2										188.3					
00+00.0	-	3+57.0	1' Safety Sldr Both Sides	357	24	8568	952.0	0.54	1.43					952.0		78.9	86.6										40.7					
3+57.0	-	4+78.0	1' Safety Sldr RT Side (190th Ave W)	121	24	2904	322.7	0.18	0.48					322.7		22.4	28.2										6.9					
4+78.0	-	7+85.0	1' Safety Sldr Both Sides	307	24	7368	818.7	0.47	1.23					818.7		67.8	74.5										35.0					
																	Contingency for Safety edge															
SUBTOTAL-Mercer County								3.82	10.02	66.7	20.0	6,502.1		535.2	611.5																278.49	
MAINLINE -- IL 94 Rock Island County																																
7+85.0	-	17+25.0	1' Safety Sldr Both Sides	940	24	22560	2506.7	1.43	3.76					2506.7		207.6	228.1										107.1					
17+25.0	-	28+00.0	4' Sldr Both Sides	1075	24	25800	2866.7	1.64	4.30					2866.7		160.5	240.8			955.6		120.4										
28+00.0	-	53+03.0	1' Safety Sldr Both Sides	2503	24	60072	6674.7	3.82	10.01					6674.7		552.9	607.4										285.1					
53+03.0	-	54+33.0	1' Safety Sldr RT Side (105th St West)	130	24	3120	346.7	0.20	0.52					346.7		24.1	30.3										7.4					
54+33.0	-	54+47.0	(105th St West/195 St)	14	24	336	37.3	0.02	0.06					37.3		2.1	3.1															
54+47.0	-	55+52.0	1' Safety Sldr LT Side (195th St)	105	24	2520	280.0	0.16	0.42					280.0		19.4	24.5										6.0					
55+52.0	-	105+50.0	1' Safety Sldr Both Sides	4998	24	119952	13328.0	7.62	19.99					13328.0		1104.0	1212.8										569.2					
105+50.0	-	106+10.0	1' Safety Sldr LT Side (205th St)	60	24	1440	160.0	0.09	0.24					160.0		11.1	14.0										3.4					
106+10.0	-	106+64.0	1' Safety Sldr Both Sides	54	24	1296	144.0	0.08	0.22					144.0		11.9	13.1										6.2					
106+64.0	-	107+37.0	1' Safety Sldr RT Side (91st St West)	73	24	1752	194.7	0.11	0.29					194.7		13.5	17.0										4.2					
107+37.0	-	131+71.0	1' Safety Sldr Both Sides	2434	24	58416	6490.7	3.71	9.74					6490.7		537.6	590.7										277.2					
131+71.0	-	132+24.0	1' Safety Sldr LT Side (210th St)	53	24	1272	141.3	0.08	0.21					141.3		9.8	12.4										3.0					
132+24.0	-	132+75.0	1' Safety Sldr Both Sides	51	24	1224	136.0	0.08	0.20					136.0		11.3	12.4										5.8					
132+75.0	-	133+27.0	1' Safety Sldr LT Side, 4' Sldr RT Side	52	24	1248	138.7	0.08	0.21					138.7		9.6	12.1			23.1		2.9					3.0					
133+27.0	-	134+09.0	4' Sldr RT Side (84th St West)	82	24	1968	218.7	0.13	0.33					218.7		12.2	18.4			36.4		4.6										
134+09.0	-	134+25.0	1' Safety Sldr LT Side, 4' Sldr RT Side	16	24	384	42.7	0.02	0.06					42.7		3.0	3.7			7.1		0.9					0.9					
134+25.0	-	144+00.0	4' Sldr Both Sides	975	24	23400	2600.0	1.49	3.90					2600.0		145.6	218.4			866.7		109.2										
144+00.0	-	148+69.0	1' Safety Sldr Both Sides	469	24	11256	1250.7	0.72	1.88					1250.7		103.6	113.8										53.4					
148+69.0	-	149+54.0	1' Safety Sldr LT Side (180th Ave)	85	24	2040	226.7	0.13	0.34					226.7		15.7	19.8										4.8					
149+54.0	-	157+03.0	1' Safety Sldr Both Sides	749	24	17976	1997.3	1.14	3.00					1997.3		165.4	181.8										85.3					
157+03.0	-	157+76.0	1' Safety Sldr RT Side (Sunset Blvd)	73	24	1752	194.7	0.11	0.29					194.7		13.5	17.0										4.2					
157+76.0	-	160+75.0	1' Safety Sldr Both Sides	299	24	7176	797.3	0.46	1.20					797.3		66.0	72.6										34.1					
160+75.0	-	161+23.0	(West St)	48	24	1152	128.0	0.07	0.19					128.0		7.2	10.8															
161+23.0	-	168+30.0	1' Safety Sldr Both Sides	707	24	16968	1885.3	1.08	2.83					1885.3		156.2	171.6										80.5					
168+30.0	-	168+78.0	(Madison St)	48	24	1152	128.0	0.07	0.19					128.0		7.2	10.8															
168+78.0	-	176+78.0	1' Safety Sldr Both Sides	800	24	19200	2133.3	1.22	3.20					2133.3		176.7	194.1										91.1					
176+78.0	-	177+37.0	1' Safety Sldr RT Side (Posey St)	59	24	1416	157.3	0.09	0.24					157.3		10.9	13.8										3.4					
177+37.0	-	179+92.5	1' Safety Sldr Both Sides	256	24	6132	681.3	0.39	1.02					681.3		56.4	62.0										29.1					
179+92.5	-	180+60.0	Grind 0" to 2.25" - 1' Safety Sldr Both Sides	67.5	24	1620	180.0	0.10	0.27					180.0		14.9	16.4										7.7					
180+60.0	-	184+60.0	Grind 2.25" (Williams St to east edge of Main St)	400	24	9600	1066.7	0.61	1.60							1066.7	59.7															
181+12	-	183+45	Grind 2.25" & Replace (Shoulder & Parking Lanes LT & RT)	233	VAR.	10018	1113.1	0.64	1.67							1113.1	62.3															
184+60.0	-	185+27.5	Grind 2.25" to 0" - 1' Safety Sldr Both Sides	67.5	24	1620	180.0	0.10	0.27					180.0		14.9	16.4										7.7					
185+27.5	-	185+60.0	1' Safety Sldr LT Side (Front St)	33	24	780	86.7	0.05	0.13					86.7		6.0	7.6										1.9					
185+60.0	-	185+85.0	(Front St)	25	24	600	66.7	0.04	0.10					66.7		3.7	5.6															
185+85.0	-	186+16.0	1' Safety Sldr RT Side (Front St)	31	24	744	82.7	0.05	0.12					82.7		5.7	7.2										1.8					
186+16.0	-	189+30.0	1' Safety Sldr LT, 10' Shoulder RT	314	24	7536	837.3	0.48	1.26					837.3		58.1	73.3					44.0					35.8					
189+30.0	-	201+50.0	1' Safety Sldr Both Sides	1220	24	29280	3253.3	1.86	4.88					3253.3		269.5	296.1										138.9					
201+50.0	-	207+13.0	1' Safety Sldr Both Sides	563	24	13512	1501.3	0.86	2.25							124.4	136.6										64.1					
207+13.0	-	207+77.0	1' Safety Sldr RT Side (Lloyd St)	64	24	1536	170.7	0.10	0.26							11.8	14.9										3.6					
207+77.0	-	208+50.0	1' Safety Sldr Both Sides	73	24	1752	194.7	0.11	0.29							16.1	17.7										8.3					
208+50.0	-	210+81.0	1' Safety Sldr Both Sides	231	24	5544	616.0	0.35	0.92					616.0		51.0	56.1										26.3					
210+81.0	-	211+23.0	1' Safety Sldr RT Side (Hartman St)	42	24	1008	112.0	0.06	0.17					112.0		7.8	9.8										2.4					
211+23.0	-	233+52.0	1' Safety Sldr Both Sides	2229	24	53496	5944.0	3.40	8.92					5944.0		492.4	540.9										253.9					
233+52.0	-	234+30.0	1' Safety Sldr RT Side (70th St)	78	24	1872	208.0	0.12	0.31					208.0		14.4	18.2										4.4					
234+30.0	-	234+51.0	1' Safety Sldr Both Sides	21	24	504	56.0	0.03	0.08					56.0		4.6	5.1										2.4					
234+51.0	-	235+98.0	1' Safety Sldr LT Side (176th Ave W)	147	24	3528	392.0	0.22	0.59					392.0		27.2	34.3										8.4					
235+98.0	-	297+75.0	1' Safety Sldr Both Sides	6177	24	148248	16472.0	9.42	24.71					16472.0		1364.4	1499.0										703.5					
297+75.0	-	327+50.0	4' Sldr Both Sides	2975	24	71400	7933.3	4.54	11.90					7933.3		444.3	666.4			2644.4		333.2										
327+50.0	-	339+50.0	1' Safety Sldr Both Sides	1200	24	28800	3200.0	1.83	4.80					3200.0		265.1	291.2										136.7					
339+50.0	-	340+39.5	3' Existing Shoulder LT & RT	90	24	2148	238.7	0.14	0.36					238.7		13.4	20.0					7.6					10.2					
340+39.5	-	341+07.0	Butt Joint	67.5	30	2025	225.0	0.13	0.34	83.3	25.0					1.2	11.2															
341+07.0	-	341+76.0	Omission - Bridge	69	24																											
341+76.0	-	342+43.5	Butt Joint	67.5	30	2025	225.0	0.13	0.34	83.3	25.0																					

ENTRANCE SCHEDULE

LOCATION				ENT. TYPE	NOTE	SIDE ROAD WIDTH FT	BUTT JOINT AREA SQ FT	TOTAL AGGREGATE AREA SQ FT	TOTAL BITUMINOUS AREA SQ FT	TOTAL AGGREGATE AREA SQ YD	TOTAL BITUMINOUS AREA SQ YD	40600200	40600982	44000158	40600990	35101400	40800050
												BIT PRIME COAT TON	H.M.A. SURF REM - BUTT JOINT SQ YD	HMA SURF REM 2.25" SQ YD	TEMP RAMP SQ YD	AGG BASE CSE TYPE B TON	2.25" INC H.M.A. SURF TON
IL 94 - Mercer County																	
998+90	PE & MB	RT	BIT					545			60.6	0.02					9.3
999+36	PE	RT	AGG	New Driveway			590	540	65.6		60.0	0.02				29.9	9.2
4+37	SR	LT	BIT	190th Ave W	24.0	756		3095			343.9	0.10	84.00		11.11		53.0
SUBTOTAL- Mercer County												0.13	84.00		11.11	29.86	71.52
IL 94 - Rock Island County																	
17+79	FE	RT	AGG	Existing Widened FE			773										39.1
18+39	FE	RT	AGG	Existing Widened FE			804										40.7
21+06	PE	RT	BIT	Existing Widened PE			1390	1390			154.4	0.04					23.8
24+03	FE	LT	AGG	Existing Widened FE			2220										112.4
24+85	FE	RT	AGG	Existing Widened FE			1289										65.2
40+86	PE	RT	BIT					420			46.7	0.01					7.2
53+79	SR	LT	BIT	105th St W	29.0	1201		3135			348.3	0.10	133.44		13.43		53.6
54+63	SR & MB	RT	BIT	195th St	15.0	570		1206			134.0	0.04	63.33		6.94		20.6
55+92	PE	LT	BIT					553			61.4	0.02					9.5
90+37	PE	LT	BIT					407			45.2	0.01					7.0
90+37	MB	RT	BIT	New Mailbox Turn Out (6' Wide)								0.06				24.5	
95+12	PE & MB	RT	BIT					645			71.7	0.02					11.0
105+79	SR	RT	BIT	205th St - Road is agg beyond apron				673			74.8	0.02					11.5
107+04	SR	LT	BIT	91st St W	23.0	895		1497			166.3	0.05	99.44		10.65		25.6
131+97	SR	RT	BIT	210th St	14.0	659		659			73.2	0.02	73.22		6.48		11.3
133+66	SR	LT	BIT	84th St W	21.0	1403		1890			210.0	0.06	155.89		9.72		32.3
149+24	SR	RT	BIT	180th Ave	17.0	1525		1525			169.4	0.05	169.44		7.87		26.1
157+41	SR	LT	BIT	Sunset Blvd	23.0	1080		1080			120.0	0.03	120.00		10.65		18.5
160+33	PE	LT	BIT					500			55.6	0.02					8.6
160+95	SR	RT	BIT	West St	22.0	831		831			92.3	0.03	92.33		10.19		14.2
161+09	SR	LT	BIT	West St	25.0	1064		1064			118.2	0.03	118.22		11.57		18.2
163+70	PE	LT	BIT					646			71.8	0.02					11.1
164+42	PE	RT	BIT					522			58.0	0.02					8.9
164+70	PE	LT	BIT					395			43.9	0.01					6.8
165+97	PE	LT	BIT					444			49.3	0.01					7.6
166+69	PE	RT	BIT					390			43.3	0.01					6.7
168+51	SR	RT	BIT	Madison St	21.0	792		792			88.0	0.03	88.00		9.72		13.6
168+57	SR	LT	BIT	Madison St	21.0	969		969			107.7	0.03	107.67		9.72		16.6
170+48	PE	RT	BIT					365			40.6	0.01					6.2
170+92	PE	RT	BIT					460			51.1	0.01					7.9
171+78	PE	LT	BIT					1500			166.7	0.05					25.7
172+53	PE	RT	BIT					454			50.4	0.01					7.8
177+07	SR	LT	BIT	Posey St	22.0	960		960			106.7	0.03	106.67		10.19		16.4
177+07	PE	RT	BIT					474			52.7	0.02					8.1
178+99	Alley	RT	BIT		13.0	458		458			50.9	0.01	50.89		6.02		7.8
180+88	SR	LT	BIT	Williams St	48.0			1241			137.9	0.04		137.89	22.22		21.2
180+88	SR	RT	BIT	Williams St	34.0			1304			144.9	0.04		144.89	15.74		22.3
183+79	SR	RT	BIT	Main St	32.0			5339			593.2	0.17		593.22	14.81		91.4

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ENTRANCE SCHEDULE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
est\pwork\pwork\grantpm\d0184077\021207-sht-schedule.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	21	
PLOT SCALE = 50.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 64D72					
PLOT DATE = Thu Jun 23 08:45:49 2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

ENTRANCE SCHEDULE

LOCATION	ENT. TYPE		NOTE	SIDE	BUTT	TOTAL	TOTAL	TOTAL	TOTAL	40600200	40600982	44000158	40600990	35101400	40800050
				ROAD	JOINT	AGGREGATE	BITUMINOUS	AGGREGATE	BITUMINOUS	BIT	H.M.A. SURF	HMA	TEMP	AGG	2.25" INC
				WIDTH	AREA	AREA	AREA	AREA	PRIME	REM - BUTT	SURF REM	RAMP	BASE CSE	H.M.A.	
				FT	SQ FT	SQ FT	SQ FT	SQ YD	COAT	JOINT	2.25"	SQ YD	TON	TON	TON
IL 94 - Rock Island County															
185+50	SR	RT	BIT	Front St	31.0	1314		1314		146.0	0.04	146.00		14.35	22.5
185+92	SR	LT	BIT	Front St	30.0	1060		1060		117.8	0.03	117.78		13.89	18.1
190+00	CE	LT	BIT	U-shaped bitum between Casey's and Garage, plus garage				2876		319.6	0.09				49.2
191+39	Alley & 2 PE's	LT	BIT					1662		184.7	0.05				28.4
192+56	PE	LT	BIT					747		83.0	0.02				12.8
194+03	PE	LT	BIT					432		48.0	0.01				7.4
194+91	PE	LT	BIT					421		46.8	0.01				7.2
195+59	PE	LT	BIT					282		31.3	0.01				4.8
196+47	PE	LT	BIT					339		37.7	0.01				5.8
198+47	PE	LT	BIT					316		35.1	0.01				5.4
198+70	PE	LT	AGG					390		43.3	0.01				6.7
204+70	CE	LT	BIT					544		60.4	0.02				9.3
207+46	SR	LT	BIT	Lloyd St	22.0	928		928		103.1	0.03	103.11		10.19	15.9
211+03	SR	RT	BIT	Hartman St	24.0	777		777		86.3	0.02	86.33		11.11	13.3
228+00	PE & MB	RT	BIT					677		75.2	0.02				11.6
233+91	SR	LT	BIT	176th St W	27.0	1286		1707		189.7	0.05	142.89		12.50	29.2
235+21	SR	RT	BIT	176th St W	30.0	2223		3161		351.2	0.10	247.00		13.89	54.1
243+00	CE	LT	BIT	FS				1123		124.8	0.04				19.2
243+00	MB	RT	BIT					487		54.1	0.02				8.3
245+51	CE	LT	BIT	FS				825		91.7	0.03				14.1
247+50	PE & MB	RT	BIT					777		86.3	0.02				13.3
250+24	PE & MB	RT	BIT					556		61.8	0.02				9.5
259+08	PE	LT	BIT					396		44.0	0.01				6.8
259+33	MB	RT	BIT					411		45.7	0.01				7.0
278+87	PE & MB	RT	BIT					584		64.9	0.02				10.0
280+10	PE	RT	BIT					401		44.6	0.01				6.9
311+97	FE	RT	AGG	Existing Widened FE			1273		141.4					64.4	
313+19	PE	LT	BIT	Existing Widened PE			1301	1301	144.6	144.6	0.04			65.9	22.3
315+35	FE	RT	AGG	Existing Widened FE			1439		159.9					72.8	
327+79	PE & MB	RT	BIT					641		71.2	0.02				11.0
328+00	PE	LT	BIT					430		47.8	0.01				7.4
328+88	PE	LT	BIT					427		47.4	0.01				7.3
330+17	PE	LT	AGG					856		95.1	0.03				14.6
330+84	PE	RT	BIT					384		42.7	0.01				6.6
332+05	PE & MB	RT	BIT					597		66.3	0.02				10.2
333+52	PE	LT	BIT					384		42.7	0.01				6.6
334+04	PE	RT	BIT					235		26.1	0.01				4.0
340+46	PE	RT	BIT					687		76.3	0.02				11.8
345+03	MB	LT	BIT					472		52.4	0.01				8.1
345+11	PE	LT	BIT					494		54.9	0.02				8.5
365+44	FE	RT	BIT	Existing Widened FE			1713		190.3					86.7	
370+54	PE	RT	BIT					942		104.7	0.03				16.1
371+00	FE	RT	AGG	Existing Widened FE			1423		158.1					72.0	
SUBTOTAL- Rock Island County										2.13	2,221.67	876.00	251.85	714.16	1,116.17
GRAND TOTALS										2.27	2,305.67	876.00	262.96	744.02	1,187.70

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION				ENTRANCE SCHEDULE				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci\pwork\pwork\grantpm\20184077\02122017-sht-schedule.dgn		DRAWN -	REVISED -									*	(19,20)RS-2	**	231	22	
PLOT SCALE = 50.0000' / 1in.		CHECKED -	REVISED -									CONTRACT NO. 64D72					
PLOT DATE = Thu Jun 23 08:54:49 2011		DATE -	REVISED -									SCALE:		SHEET NO. OF SHEETS		STA. TO STA.	

EARTHWORK /AGGREGATE SCHEDULE

EARTHWORK SCHEDULE

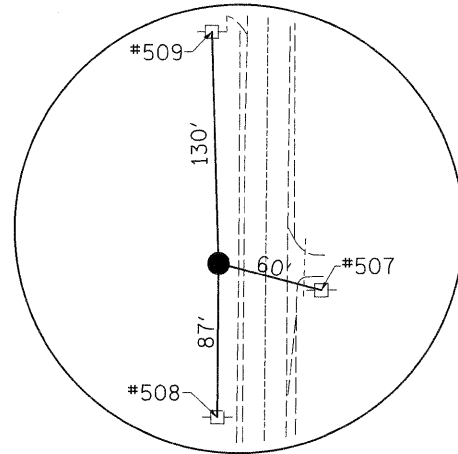
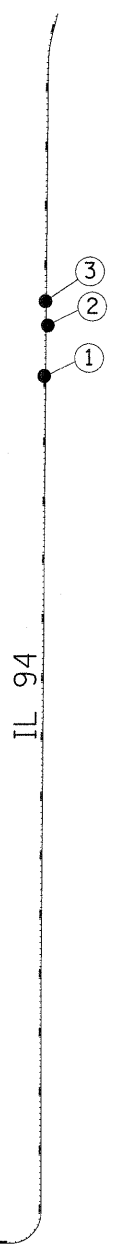
LOCATION	20200100			
	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE WASTE (+) SHORTAGE (-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)
17+00.00 TO 19+00.00	102.3	76.7	53.1	23.6
19+00.00 TO 25+00.00	5706.5	4279.9	1270.5	3009.4
25+00.00 TO 28+00.00	2834.8	2126.1	56.7	2069.4
131+00.00 TO 135+50.00	1637.5	1228.1	32.6	1195.5
135+50.00 TO 141+50.00	3086.4	2314.8	614.4	1700.4
141+50.00 TO 144+00.00	898.6	674.0	99.7	574.3
297+75.00 TO 302+00.00	3141.7	2356.3	431.8	1924.5
302+00.00 TO 308+00.00	8830.4	6622.8	1792.0	4830.8
308+00.00 TO 314+00.00	4378.2	3283.7	87.3	3196.4
314+00.00 TO 320+00.00	2816.1	2112.1	688.0	1424.1
320+00.00 TO 326+00.00	6156.9	4617.7	1220.4	3397.3
326+00.00 TO 327+50.00	771.8	578.9	42.8	536.1
354+00.00 TO 359+00.00	11676.5	8757.4	75.7	8681.7
359+00.00 TO 365+00.00	7711.9	5783.9	3576.0	2207.9
365+00.00 TO 371+00.00	17366.3	13024.7	1228.0	11796.7
371+00.00 TO 375+00.00	4904.8	3678.6	256.2	3422.4
TOTALS	82020.7	61515.5	11525.2	49990.3

AGGREGATE SCHEDULE

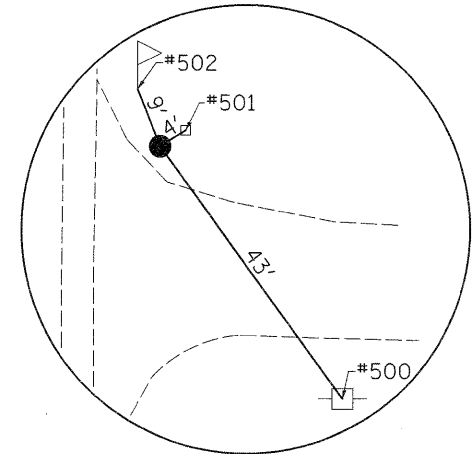
LOCATION	REMARKS			Z0005400 BREAKER RUN CRUSHED STONE				
				WIDTH	AREA			
				FOOT	SQ FT	INCHES	TON	
IL 251								
Culvert		23	+	3		2032	12"	154.3
Culvert		138	+	19		1412	48"	428.8
Culvert		304	+	93		1580	12"	120.0
Culvert		323	+	50		977	24"	148.4
Culvert		363	+	65		2170	24"	329.5
	Total					4727		1181

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

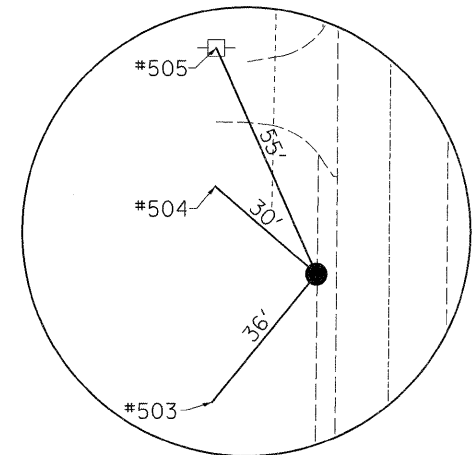
EXISTING HORIZONTAL & VERTICAL CONTROL



HORIZONTAL CONTROL POINT NO. 1



HORIZONTAL CONTROL POINT NO. 2



HORIZONTAL CONTROL POINT NO. 3

IL 94

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
c:\pw_work\pwsdot\grantpm\0184077\02122007-sht-ATB.dgn		DRAWN -	REVISED -
	PLOT SCALE = 50.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Jun 23 08:28:35 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EXISTING HORIZONTAL & VERTICAL CONTROL

SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.
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F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	24
CONTRACT NO. 64D72				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

EXISTING HORIZONTAL & VERTICAL CONTROL

Chain IL94 contains:
1016 202 CUR 200 CUR 210 CUR 220 CUR 230 CUR 240 CUR 250 CUR 290 A1114

Beginning chain IL94 description
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Point 1016 N 1,692,342.9899 E 2,140,441.2978 Sta 944+78.9133

Course from 1016 to 202 0° 51' 25.7870" Dist 5,613.8537'

Equation: Sta 1000+92.7670 (BK) = Sta 0+00.0000 (AH) -----
End Region 1
Begin Region 2

Point 202 N 1,697,956.2154 E 2,140,525.2797 Sta 0+00.0000

Curve Data *-----*

Curve 200
P.I. Station 5+05.3016 N 1,698,461.4604 E 2,140,532.8389
Delta = 89° 42' 49.1268" (RT)
Degree = 11° 16' 56.6336"
Tangent = 505.3016'
Length = 795.1647'
Radius = 507.8333'
External = 208.5635'
Long Chord = 716.3879'
Mid. Ord. = 147.8447'
P.C. Station 0+00.0000 N 1,697,956.2154 E 2,140,525.2797
P.T. Station 7+95.1647 N 1,698,456.4265 E 2,141,038.1154
C.C. N 1,697,948.6183 E 2,141,033.0562

Course from PT 200 to PC 210 90° 34' 14.9137" Dist 13,856.9391'

Curve Data *-----*

Curve 210
P.I. Station 150+04.8992 N 1,698,314.8643 E 2,155,247.1448
Delta = 20° 23' 54.0050" (LT)
Degree = 2° 55' 18.7870"
Tangent = 352.7954'
Length = 698.1224'
Radius = 1,960.9182'
External = 31.4836'
Long Chord = 694.4413'
Mid. Ord. = 30.9861'
P.C. Station 146+52.1038 N 1,698,318.3790 E 2,154,894.3669
P.T. Station 153+50.2262 N 1,698,434.5289 E 2,155,579.0258
C.C. N 1,700,279.1998 E 2,154,913.9022

Course from PT 210 to PC 220 70° 10' 20.9088" Dist 419.6967'

Curve Data *-----*

Curve 220
P.I. Station 161+15.4553 N 1,698,694.0869 E 2,156,298.8906
Delta = 20° 26' 36.0298" (RT)
Degree = 2° 59' 24.0954"
Tangent = 345.5324'
Length = 683.7177'
Radius = 1,916.2298'
External = 30.9038'
Long Chord = 680.0967'
Mid. Ord. = 30.4133'
P.C. Station 157+69.9229 N 1,698,576.8858 E 2,155,973.8421
P.T. Station 164+53.6406 N 1,698,690.3732 E 2,156,644.4031
C.C. N 1,696,774.2541 E 2,156,623.8078

Course from PT 220 to PC 230 90° 36' 56.9386" Dist 1,758.5999'

Curve Data *-----*

Curve 230
P.I. Station 187+23.2323 N 1,698,665.9801 E 2,158,913.8637
Delta = 90° 35' 26.6077" (LT)
Degree = 11° 19' 43.9129"
Tangent = 510.9918'
Length = 799.6452'
Radius = 505.7504'
External = 213.2045'
Long Chord = 718.9167'
Mid. Ord. = 149.9792'
P.C. Station 182+12.2405 N 1,698,671.4721 E 2,158,402.9014
P.T. Station 190+11.8857 N 1,699,176.9718 E 2,158,914.0875
C.C. N 1,699,177.1933 E 2,158,408.3371

Course from PT 230 to PC 240 0° 01' 30.3309" Dist 3,753.3171'

Curve Data *-----*

Curve 240
P.I. Station 232+76.1595 N 1,703,441.2452 E 2,158,915.9550
Delta = 0° 23' 26.6278" (RT)
Degree = 0° 02' 17.6470"
Tangent = 510.9567'
Length = 1,021.9094'
Radius = 149,850.5558'
External = 0.8711'
Long Chord = 1,021.9075'
Mid. Ord. = 0.8711'
P.C. Station 227+65.2028 N 1,702,930.2886 E 2,158,915.7312
P.T. Station 237+87.1123 N 1,703,952.1885 E 2,158,919.6632
C.C. N 1,702,864.6635 E 2,308,766.2726

Course from PT 240 to PC 250 0° 24' 56.9587" Dist 14,672.8877'

Curve Data *-----*

Curve 250
P.I. Station 387+36.6667 N 1,718,901.3492 E 2,159,028.1580
Delta = 14° 08' 23.7736" (RT)
Degree = 2° 34' 06.4529"
Tangent = 276.6667'
Length = 550.5222'
Radius = 2,230.7452'
External = 17.0912'
Long Chord = 549.1262'
Mid. Ord. = 16.9613'
P.C. Station 384+59.9999 N 1,718,624.6897 E 2,159,026.1501
P.T. Station 390+10.5221 N 1,719,169.1358 E 2,159,097.6905
C.C. N 1,718,608.5003 E 2,161,256.8366

Course from PT 250 to PC 290 14° 33' 20.7323" Dist 332.5241'

Curve Data *-----*

Curve 290
P.I. Station 396+10.8059 N 1,719,503.0521 E 2,159,448.7488
Delta = 3° 57' 09.1997" (RT)
Degree = 0° 44' 18.1382"
Tangent = 267.7597'
Length = 535.3070'
Radius = 7,759.7472'
External = 4.6183'
Long Chord = 535.2008'
Mid. Ord. = 4.6156'
P.C. Station 393+43.0462 N 1,719,490.9871 E 2,159,181.2611
P.T. Station 398+78.3532 N 1,719,496.6504 E 2,159,716.4320
C.C. N 1,711,739.1213 E 2,159,530.9091

Course from PT 290 to A1114 91° 22' 11.9260" Dist 9,554.7163'

Point A1114 N 1,719,268.2127 E 2,169,268.4171 Sta 494+33.0695

Ending chain IL94 description
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* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING HORIZONTAL & VERTICAL CONTROL	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.				
ct:\pw_work\pwsdot\grantpm\d0184077\D212	07-shr-ATB.dgn	DRAWN -	REVISED -			SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT
	PLOT SCALE = 50,0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 64D72								
	PLOT DATE = Thu Jun 23 08:28:36 2011	DATE -	REVISED -											

EXISTING HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS								
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION	
1	1713370.9990	2158961.3598	749.5370	IL94	332+05.9774	26.6605' LT	GPS CONTROL POINT, PIN	
2	1714228.1850	2159019.5600	708.8220	IL94	340+63.5632	25.3172' RT	GPS CONTROL POINT, PIN	
3	1714636.2730	2158981.1500	706.0740	IL94	344+71.3617	16.0534' LT	GPS CONTROL POINT, PIN	
4	1716056.9837	2159034.9226	753.1777	IL94	358+92.4252	27.4071' RT	GPS CONTROL POINT, TOP	
5	1717058.0853	2159036.4781	728.4858	IL94	368+93.5117	21.6972' RT	GPS CONTROL POINT, PIN	
10	1699407.6510	2158914.1520	802.4950	IL94	192+42.5649	0.0365' LT	POT, PAINTED	
11	1701691.3930	2158915.6100	800.2710	IL94	215+26.3073	0.4214' RT	POT, PAINTED	
12	1704925.2150	2158926.7250	785.1050	IL94	247+60.1644	0.0000'	POT, PAINTED	
13	1708193.4560	2158950.7700	767.3570	IL94	280+28.4939	0.3254' RT	POT, PAINTED	
14	1711452.7760	2158974.2450	757.6280	IL94	312+87.8984	0.1456' RT	POT, PAINTED	
15	1717632.6050	2159018.9500	740.5680	IL94	374+67.8891	0.0000'	POT, PAINTED	
16	1715845.9550	2159006.5880	745.4090	IL94	356+81.1964	0.6048' RT	POT, PAINTED	
17	1698490.5368	2140563.0538	796.4673	IL94	4+27.2846	209.5075' LT	GPS CONTROL POINT, PIN	
18	1698455.3037	2144125.1204	800.3855	IL94	38+82.0277	29.6311' LT	GPS CONTROL POINT, PIN	
19	1698397.0457	2149759.8755	792.4090	IL94	95+17.0835	27.5113' LT	GPS CONTROL POINT, PIN	
20	1698325.8038	2150854.7642	807.5827	IL94	106+12.6276	32.8194' RT	GPS CONTROL POINT, PIN	
21	1698368.3630	2153782.6124	804.3030	IL94	135+39.9065	38.9059' LT	GPS CONTROL POINT, PIN	
22	1698648.5342	2157468.7027	794.9999	IL94	172+78.3423	32.9772' RT	GPS CONTROL POINT, PIN	
23	1700888.2678	2158889.3061	801.7525	IL94	207+23.1707	25.5308' LT	GPS CONTROL POINT, PIN	
24	1703517.0787	2158886.8945	792.8280	IL94	233+51.8634	30.2423' LT	GPS CONTROL POINT, PIN	
25	1706283.7677	2158960.1508	782.8631	IL94	261+18.9239	23.5654' RT	GPS CONTROL POINT, PIN	
26	1708123.4632	2158974.7634	767.8572	IL94	279+58.6770	24.8262' RT	GPS CONTROL POINT, PIN	
27	1709517.3880	2158931.3656	769.0776	IL94	293+52.2502	28.6867' LT	GPS CONTROL POINT, PIN	
28	1711316.0399	2158999.9462	758.3621	IL94	311+51.3524	26.8385' RT	GPS CONTROL POINT, PIN	
29	1714661.9714	2158960.7871	708.4681	IL94	344+96.9116	36.6023' LT	VERTICAL CHECK, DISK	
30	1692342.9061	2140429.3453	807.2387	IL94	OUT OF CHAIN	-----	PAVEMENT - EDGE	
31	1692343.6639	2140453.2774	807.3245	IL94	944+79.7844	11.9682' RT	PAVEMENT - EDGE	
32	1692342.9899	2140441.3142	807.5417	IL94	944+78.9135	0.0164' RT	PAVEMENT - CENTERLINE	
33	1693663.9341	2140472.8354	808.2751	IL94	958+00.1815	11.7731' RT	PAVEMENT - EDGE	
34	1693663.7255	2140449.2957	808.3004	IL94	957+99.6208	11.7609' LT	PAVEMENT - EDGE	
35	1693663.7391	2140461.0154	808.5091	IL94	957+99.8097	0.0427' RT	PAVEMENT - CENTERLINE	
36	1695405.5504	2140498.3684	810.6363	IL94	975+41.9849	11.249' RT	PAVEMENT - EDGE	
37	1695406.1033	2140474.7521	810.6032	IL94	975+42.1844	12.3729' LT	PAVEMENT - EDGE	
38	1695405.9539	2140486.5219	810.8265	IL94	975+42.2111	0.6022' LT	PAVEMENT - CENTERLINE	
39	1696760.5545	2140507.4018	802.3789	IL94	988+96.9725	0.0109' RT	PAVEMENT - CENTERLINE	
40	1697700.2061	2140521.6785	799.6657	IL94	998+36.7325	0.229' RT	PAVEMENT - CENTERLINE	
41	1697986.3967	2140528.9130	799.1217	IL94	30.3866	2.2766' RT	PAVEMENT - CENTERLINE, POC	
42	1698082.9711	2140545.1927	798.7543	IL94	1+28.8721	1.8082' RT	PAVEMENT - CENTERLINE, POC	
43	1698155.7280	2140569.6944	798.6416	IL94	2+05.8617	0.2916' RT	PAVEMENT - CENTERLINE, POC	
44	1698221.7835	2140604.0903	798.5254	IL94	2+80.3641	0.7244' LT	PAVEMENT - CENTERLINE, POC	
45	1698278.2583	2140646.0331	798.2224	IL94	3+50.6784	0.5459' LT	PAVEMENT - CENTERLINE, POC	
46	1698326.4628	2140692.5165	798.0829	IL94	4+17.6015	0.8254' LT	PAVEMENT - CENTERLINE, POC	
47	1698368.4714	2140747.3674	797.8437	IL94	4+86.6831	0.0000'	PAVEMENT - CENTERLINE, POC	
48	1698403.1035	2140807.7733	797.6032	IL94	5+56.4045	0.5768' RT	PAVEMENT - CENTERLINE, POC	
49	1698429.2661	2140871.8360	797.1392	IL94	6+25.7554	0.8676' RT	PAVEMENT - CENTERLINE, POC	
50	1698445.0974	2140938.0334	797.1344	IL94	6+94.0708	2.3427' RT	PAVEMENT - CENTERLINE, POC	
51	1698452.0373	2140996.7860	797.2284	IL94	7+53.5803	3.1095' RT	PAVEMENT - CENTERLINE, POC	
52	1698466.1524	2141196.4568	797.2170	IL94	9+53.4013	11.3029' LT	PAVEMENT - EDGE	
53	1698441.6776	2141195.1327	797.1733	IL94	9+52.3211	13.1839' RT	PAVEMENT - EDGE	
54	1698454.2702	2141193.4692	797.2808	IL94	9+50.5322	0.6085' RT	PAVEMENT - CENTERLINE	
55	1698435.7285	2141859.2046	796.9467	IL94	16+16.4193	12.517' RT	PAVEMENT - EDGE	
56	1698459.8543	2141860.2132	796.9005	IL94	16+17.1875	11.6177' RT	PAVEMENT - EDGE	
57	1698447.8315	2141860.9705	797.0660	IL94	16+18.0646	0.397' RT	PAVEMENT - CENTERLINE	
58	1698423.8600	2143108.2098	794.4283	IL94	28+65.4808	11.9419' RT	PAVEMENT - EDGE	
59	1698447.9822	2143109.6250	794.4422	IL94	28+66.6556	12.1932' LT	PAVEMENT - EDGE	
60	1698435.9239	2143109.7297	794.7068	IL94	28+66.8804	0.1366' RT	PAVEMENT - CENTERLINE	
61	1698406.3634	2144858.3250	803.7738	IL94	46+15.6834	12.0024' RT	PAVEMENT - EDGE	
62	1698430.6730	2144860.2587	803.7726	IL94	46+17.3749	12.3253' LT	PAVEMENT - EDGE	
63	1698418.6187	2144859.9425	803.9598	IL94	46+17.1788	0.2684' LT	PAVEMENT - CENTERLINE	
64	1698396.3207	2145867.4120	805.7365	IL94	56+24.8204	11.9917' RT	PAVEMENT - EDGE	
65	1698420.4138	2145866.6581	805.8467	IL94	56+23.8265	12.0927' LT	PAVEMENT - EDGE	
66	1698408.6121	2145866.9117	805.9665	IL94	56+24.1977	0.2941' LT	PAVEMENT - CENTERLINE	
67	1698376.7787	2147833.6894	788.7905	IL94	75+91.1949	11.944' RT	PAVEMENT - EDGE	

HORIZONTAL CONTROL POINTS								
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION	
68	1698401.0910	2147834.4755	788.8034	IL94	75+91.7388	12.3749' LT	PAVEMENT - EDGE	
69	1698389.0982	2147834.4828	788.9729	IL94	75+91.8655	0.3828' LT	PAVEMENT - CENTERLINE	
70	1698364.6387	2149077.5221	807.4389	IL94	88+35.0868	11.6919' RT	PAVEMENT - EDGE	
71	1698388.8640	2149077.3905	807.4103	IL94	88+34.7139	12.5309' LT	PAVEMENT - EDGE	
72	1698376.9687	2149077.5000	807.5808	IL94	88+34.9419	0.6372' LT	PAVEMENT - CENTERLINE	
73	1698349.0178	2150634.1669	806.9389	IL94	103+91.8100	11.8042' RT	PAVEMENT - EDGE	
74	1698372.8934	2150634.4810	806.8874	IL94	103+91.8862	12.0733' LT	PAVEMENT - EDGE	
75	1698361.1231	2150634.6538	807.0894	IL94	103+92.1763	0.3053' LT	PAVEMENT - CENTERLINE	
76	1698334.7622	2151998.9413	807.7371	IL94	117+56.6587	12.4628' RT	PAVEMENT - EDGE	
77	1698358.8695	2151998.1782	807.6656	IL94	117+55.6555	11.6357' LT	PAVEMENT - EDGE	
78	1698347.0078	2152000.4657	807.8708	IL94	117+58.0610	0.2026' RT	PAVEMENT - CENTERLINE	
79	1698321.9647	2153288.0710	805.7492	IL94	130+85.8499	12.0184' RT	PAVEMENT - EDGE	
80	1698345.9982	2153327.7209	805.7235	IL94	130+85.2604	12.0104' LT	PAVEMENT - EDGE	
81	1698333.8230	2153327.6511	805.9327	IL94	130+85.3119	0.1649' RT	PAVEMENT - CENTERLINE	
82	1698308.8997	2154623.7867	805.4340	IL94	143+81.6315	12.1744' RT	PAVEMENT - EDGE	
83	1698332.8971	2154626.0343	805.5150	IL94	143+83.6399	11.8442' LT	PAVEMENT - EDGE	
84	1698321.4261	2154625.5428	805.6329	IL94	143+83.2627	0.3689' LT	PAVEMENT - CENTERLINE	
85	1698325.6052	2155083.2817	809.8784	IL94	148+41.2298	0.0054' RT	PAVEMENT - CENTERLINE, POC	
86	1698343.1217	2155225.0318	810.2148	IL94	149+84.0895	0.0000'	PAVEMENT - CENTERLINE, POC	
87	1698383.6438	2155416.5932	810.7753	IL94	151+79.9633	0.1608' RT	PAVEMENT - CENTERLINE, POC	
88	1698423.7241	2155585.4485	809.8739	IL94	153+52.6032	12.3428' RT	PAVEMENT - EDGE	
89	1698447.2675	215577.5318	809.2150	IL94	153+53.1415	12.4902' LT	PAVEMENT - EDGE	
90	1698436.6396	2155583.3935	809.6646	IL94	153+55.0508	0.5041' LT	PAVEMENT - CENTERLINE	
91	1698478.1664	2155664.1826	807.9953	IL94	154+45.1361	12.1662' LT	PAVEMENT - EDGE	
92	1698455.3523	2155672.9515	808.2882	IL94	154+45.6468	12.2697' RT	PAVEMENT - EDGE	
93	1698466.6360	2155667.5381	808.3896	IL94	154+44.3816	0.1812' LT	PAVEMENT - CENTERLINE	
94	1698549.6025	2155864.5899	806.3527	IL94	156+57.8932	11.3913' LT	PAVEMENT - EDGE	
95	1698527.9240	2155872.4879	806.0321	IL94	156+57.9699	11.681' RT	PAVEMENT - EDGE	
96	1698538.6255	2155868.4667	806.3798	IL94	156+57.8169	0.2499' RT	PAVEMENT - CENTERLINE	
97	1698550.7449	2155935.2794	806.0349	IL94	157+24.7796	11.5112' RT	PAVEMENT - EDGE	
98	1698571.5543	2155924.8893	806.8622	IL94	157+22.0638	11.5888' LT	PAVEMENT - EDGE	
99	1698560.5037	2155928.1798	806.6026	IL94	157+21.4109	0.0772' LT	PAVEMENT - CENTERLINE	
1000	1698574.9141	2155968.1256	807.0521	IL94	157+63.8765	0.0841' LT	PAVEMENT - CENTERLINE, POC	
1001	1698603.4175	2156051.3048	808.3595	IL94	158+51.7992	0.4336' LT	PAVEMENT - CENTERLINE, POC	
1002	1698632.3946	2156153.9647	808.5779	IL94	159+58.4611	0.3919' LT	PAVEMENT - CENTERLINE, POC	
1003	1698656.9703	2156266.9937	806.7485	IL94	160+74.1360	0.0000'	PAVEMENT - CENTERLINE, POC	
1004	1698673.9212	2156375.1662	803.0336	IL94	161+83.6532	0.3598' RT	PAVEMENT - CENTERLINE, POC	
1005	1698684.0777	2156472.8923	798.6302	IL94	162+81.9372	0.4527' RT	PAVEMENT - CENTERLINE, POC	
1006	1698688.0616	2156547.7315	795.0994	IL94	163+56.9124	0.9108' RT	PAVEMENT - CENTERLINE, POC	
1007	1698676.7014	2156677.8457	789.5356	IL94	164+87.2282	13.3116' RT	PAVEMENT - EDGE	
1008	1698701.3119	2156678.2878	790.3309	IL94	164+87.4058	11.3022' LT	PAVEMENT - EDGE	
1009	1698689.0308	2156677.7564	790.1895	IL94	164+87.0064	0.9839' RT	PAVEMENT - CENTERLINE	
1010	1698676.1887	2156767.3847	788.1438	IL94	165+76.7676	12.8619' RT	PAVEMENT - EDGE	
1011	1698700.6568	2156766.5678	788.2111	IL94	165+75.6877	11.596' LT	PAVEMENT - EDGE	
1012	1698689.0276	2156766.3103	788.4075	IL94	165+75.5552	0.0353' RT	PAVEMENT - CENTERLINE	
1037	1698697.7869	2157061.8654	792.7214	IL94	168+70.9991	11.9001' LT	PAVEMENT - EDGE	
1038	1698673.5417	2157064.9239	792.7838	IL94				

EXISTING HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1055	1698890.2074	2158824.5191	806.5258	IL94	187+06.7905	0.2127' LT	PAVEMENT - CENTERLINE, POC
1056	1698951.9527	2158860.5378	806.7019	IL94	187+78.3871	0.5586' LT	PAVEMENT - CENTERLINE, POC
1057	1699042.1594	2158894.8637	806.2485	IL94	188+75.1842	0.8323' LT	PAVEMENT - CENTERLINE, POC
1058	1699123.8137	2158909.4862	805.5515	IL94	189+58.4398	1.7665' LT	PAVEMENT - CENTERLINE, POC
1059	1699172.3696	2158913.2722	805.0085	IL94	190+07.2759	0.7923' LT	PAVEMENT - CENTERLINE, PT
1060	1699279.0033	2158914.5727	803.9072	IL94	191+13.9174	0.4405' RT	PAVEMENT - CENTERLINE
1061	1700426.6366	2158914.6859	804.3635	IL94	202+61.5506	0.0511' RT	PAVEMENT - CENTERLINE
1062	1702183.5949	2158914.9944	798.9195	IL94	220+18.5089	0.4098' LT	PAVEMENT - CENTERLINE
1063	1702957.9355	2158915.7286	789.0502	IL94	227+92.8497	0.0173' LT	PAVEMENT - CENTERLINE
1064	1703128.9278	2158915.5323	789.1708	IL94	229+63.8415	0.4175' LT	PAVEMENT - CENTERLINE
1065	1703345.6530	2158916.2610	791.7174	IL94	231+80.5673	0.2278' LT	PAVEMENT - CENTERLINE, POC
1066	1703446.1399	2158916.8450	793.0378	IL94	232+81.0556	0.0000'	PAVEMENT - CENTERLINE, POC
1067	1703578.5054	2158917.2050	793.6394	IL94	234+13.4213	0.2121' LT	PAVEMENT - CENTERLINE, POC
1068	1718662.6037	2159027.1941	775.1503	IL94	384+97.9299	0.4464' RT	PAVEMENT - CENTERLINE, POC
1069	1718741.6561	2159030.0648	776.0502	IL94	385+77.0451	0.0042' LT	PAVEMENT - CENTERLINE, POC
1070	1718794.4559	2159033.8533	776.6286	IL94	386+29.9618	0.0023' LT	PAVEMENT - CENTERLINE, POC
1071	1718851.3629	2159039.3511	777.0409	IL94	386+87.1553	0.0000'	PAVEMENT - CENTERLINE, POC
1072	1718929.9966	2159049.5784	777.2670	IL94	387+66.4587	0.1963' RT	PAVEMENT - CENTERLINE, POC
1073	1718992.6195	2159059.6570	777.2452	IL94	388+29.8958	0.2417' RT	PAVEMENT - CENTERLINE, POC
1074	1719064.4418	2159072.8520	777.0110	IL94	389+02.9199	0.3243' LT	PAVEMENT - CENTERLINE, POC
1075	1719125.9696	2159086.9219	777.1805	IL94	389+66.0324	0.0179' LT	PAVEMENT - CENTERLINE, PT
1076	1719215.0070	2159109.6012	777.3556	IL94	390+57.9144	0.0000'	PAVEMENT - CENTERLINE
1077	1719298.4206	2159131.0381	777.7276	IL94	391+44.0383	0.2148' LT	PAVEMENT - CENTERLINE
1082	1719496.0699	2159182.5809	779.0365	IL94	393+44.5927	5.0183' LT	PAVEMENT - CENTERLINE
1083	1719336.0298	2166417.7448	771.9942	IL94	465+81.5907	0.3572' RT	POT, PAINTED
1084	1719368.5581	2165091.5977	764.0318	IL94	452+55.0449	0.4558' LT	POT, PAINTED
1085	1719395.3408	2163968.5537	767.7743	IL94	441+31.6816	0.3806' LT	POT, PAINTED
1086	1719448.2142	2162269.5753	759.8606	IL94	424+31.9248	12.6191' LT	PAVEMENT - EDGE, BITUMINOUS
1087	1719422.0611	2162268.6439	759.8465	IL94	424+31.6189	13.5488' RT	PAVEMENT - EDGE, BITUMINOUS
1088	1719473.8129	2160674.9727	776.0301	IL94	408+37.1659	0.0861' LT	POT, PAINTED
1089	1719497.9420	2159619.4157	779.9035	IL94	397+81.3260	0.4217' RT	POC, PAINTED
1090	1719498.7519	2159540.2602	780.1693	IL94	397+02.1639	0.111' RT	POC, PAINTED
1091	1719498.4151	2159447.0243	779.5536	IL94	396+08.9262	0.0000'	POC, PAINTED
1092	1719496.7460	2159359.4035	778.9967	IL94	395+21.2881	0.2269' RT	POT, PAINTED
1093	1719494.2983	2159272.5455	778.7506	IL94	394+34.3924	0.2677' RT	POT, PAINTED
1094	1719491.4891	2159196.9692	779.0807	IL94	393+58.7614	0.1904' RT	POT, PAINTED
1095	1719487.9517	2159117.8410	779.3400	IL94	393+24.1694	60.6217' LT	POC, PAINTED
1096	1719482.0566	2159026.1466	779.9030	IL94	392+95.4187	147.8915' LT	POC, PAINTED
1097	1719476.2584	2158934.5074	780.0422	IL94	392+66.7756	235.1321' LT	POC
1098	1719473.8035	2158853.4341	779.9499	IL94	392+44.0240	312.9863' LT	POC, PAINTED
1099	1719473.6175	2158740.7347	779.3961	IL94	392+15.5201	422.0217' LT	POT, PAINTED
90807	1698417.2986	2141996.7915	795.4369	IL94	17+54.1830	29.5753' RT	GPS CONTROL POINT, PIN
90812	1698451.7564	2145567.1720	803.4065	IL94	53+24.0430	40.4502' LT	GPS CONTROL POINT, PIN
90817	1698348.9317	2148961.8639	807.2621	IL94	87+19.5908	28.5504' RT	GPS CONTROL POINT, PIN
90822	1698373.1477	2152523.6443	807.8418	IL94	122+80.9532	31.1481' LT	GPS CONTROL POINT, PIN
90832	1698320.9340	2155943.1270	811.0834	IL94	156+54.2124	230.3602' RT	GPS CONTROL POINT, PIN
90835	1698718.3961	2157030.6990	790.4247	IL94	168+39.6130	32.1731' LT	GPS CONTROL POINT, PIN
90840	1699073.5590	2158921.9589	805.6845	IL94	189+11.4131	18.2223' RT	GPS CONTROL POINT, PK NAIL
90857	1702229.7193	2158947.9232	797.9208	IL94	220+64.6477	32.4988' RT	GPS CONTROL POINT, PIN
90861	1704862.3313	2158868.8900	787.9402	IL94	246+96.8627	57.3771' LT	GPS CONTROL POINT, PIN
920101	1698403.4652	2148221.1503	801.3291	IL94	79+78.3707	18.6012' LT	GPS CONTROL POINT, PIN
920103	1698426.4466	2146858.7664	803.9388	IL94	66+15.8255	28.0089' LT	GPS CONTROL POINT, PIN
957175	1698711.8190	2158506.5000	808.2940	IL94	183+22.8146	30.1359' LT	DISTRICT NETWORK MONUMENT, PERM. SURVEY MARKER
957275	1698673.5470	2156197.9800	807.2640	IL94	160+10.4089	30.2139' LT	DISTRICT NETWORK MONUMENT, PERM. SURVEY MARKER
ME957576	1695709.0735	2140442.3325	809.8041	IL94	978+44.6357	49.3212' LT	DISTRICT NETWORK MONUMENT, PERM. SURVEY MARKER
RI094001	1714189.9382	2159038.6596	706.0105	IL94	340+25.4560	44.6939' RT	GPS CONTROL POINT, DISK
RI094002	1714661.9265	2158960.8319	708.4252	IL94	344+96.8670	36.5572' LT	GPS CONTROL POINT, DISK
RI094005	1718895.3408	2159006.4429	778.6015	IL94	387+26.6214	37.8555' LT	PERM. SURVEY MARKER, DISK
RI094006	1719528.2998	2159144.7322	781.4516	IL94	393+43.0462	52.2169' LT	PERM. SURVEY MARKER
RI094007	1719526.4647	2159715.7949	779.7400	IL94	398+77.0087	29.7906' LT	PERM. SURVEY MARKER, DISK
RI192001	1725094.2473	2119988.0532	776.2230	IL94	4+55.2023	33840.0534' LT	DISK, PERM. SURVEY MARKER
RI192002	1723288.1935	2119965.0233	782.3760	IL94	4+37.8657	32446.0144' LT	DISK, PERM. SURVEY MARKER
RI192003	1720502.4310	2119928.5818	760.8560	IL94	4+08.1065	30380.2438' LT	DISK, PERM. SURVEY MARKER

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
RI192004	1720119.6593	2123092.6413	768.3630	IL94	4+44.6188	28012.5724' LT	DISK, PERM. SURVEY MARKER
RI192005	1719959.7966	2127704.9181	777.8980	IL94	5+13.6074	25224.0775' LT	DISK, PERM. SURVEY MARKER
RI192006	1719808.9507	2128287.1583	779.3540	IL94	5+22.0349	24796.9497' LT	DISK, PERM. SURVEY MARKER
RI192007	1719792.9097	2131831.3943	780.4950	IL94	5+87.6421	23195.4079' LT	DISK, PERM. SURVEY MARKER
RI192008	1719651.7452	2135360.1448	788.0600	IL94	6+60.2694	21924.4568' LT	DISK, PERM. SURVEY MARKER
RI192009	1719669.0172	2138004.6630	791.7690	IL94	385+45.4828	21045.6006' LT	DISK, PERM. SURVEY MARKER
RI192010	1719566.4238	2139539.3368	792.5280	IL94	385+42.1412	19507.8705' LT	DISK, PERM. SURVEY MARKER
RI192011	1719630.2792	2141267.9459	790.6740	IL94	385+57.7410	17784.2438' LT	DISK, PERM. SURVEY MARKER
RI192012	1719537.4771	2144482.0138	791.6261	IL94	385+67.2213	14569.7809' LT	DISK, PERM. SURVEY MARKER
RI192013	1719590.2966	2145135.8386	792.4920	IL94	385+79.4990	13920.1217' LT	DISK, PERM. SURVEY MARKER

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME = c:\pwork\work\pwork\granpm\8184877\02122007-shr-ATB.dgn	USER NAME = granpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING HORIZONTAL & VERTICAL CONTROL	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 50.0000' / 1"	CHECKED -	REVISED -	*			(19,20)RS-2	**	231	27	
PLOT DATE = Thu Jun 23 08:28:38 2011	DATE -	REVISED -	CONTRACT NO. 64D72							
						SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

EXISTING HORIZONTAL & VERTICAL CONTROL

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1698487.0495	2142369.9360	787.4241	IL94	21+26.6141	43.8896' LT	GPS CONTROL POINT, PIN
1100	1719475.7114	2157603.8278	780.6630	IL94	389+63.7563	1523.7892' LT	POT, PAINTED
1101	1719476.3785	2156485.7212	783.8019	IL94	388+45.2000	2618.6625' LT	POT, PAINTED
1102	1719481.2514	2154993.1296	784.3426	IL94	387+52.6421	4093.4717' LT	POT, PAINTED
1103	1719484.6805	2153674.2186	783.8819	IL94	387+00.4374	5402.3267' LT	POT, PAINTED
1104	1719267.8386	2169310.6639	763.0605	IL94	OUT OF CHAIN	-----	POT, PAINTED
1105	1719268.2781	2169268.4171	762.3816	IL94	494+33.0679	0.0654' LT	POT, PAINTED
1106	1719324.2487	2166918.3656	771.9905	IL94	470+82.3500	0.1659' RT	POT, PAINTED
1107	1719496.8137	2159714.1975	779.5273	IL94	398+76.1155	0.1101' LT	POT, PAINTED
1108	1719479.8502	2158992.3541	779.9980	IL94	392+84.7903	180.0448' LT	POT, PAINTED
1109	1719479.6117	2158989.7647	779.9822	IL94	392+83.9087	182.4912' LT	POT, PAINTED
1110	1719479.5799	2158987.5453	780.0016	IL94	392+83.3201	184.6313' LT	POT, PAINTED
1111	1719479.4320	2158985.6806	780.0060	IL94	392+82.7083	186.399' LT	POT, PAINTED
1112	1719479.2843	2158983.3614	780.0072	IL94	392+81.9825	188.6067' LT	POT, PAINTED
1119	1720936.7435	2119890.1084	761.4670	IL94	4+12.4748	30724.8121' LT	POT
1120	1723449.9080	2119920.1992	782.2680	IL94	4+38.9229	32599.092' LT	POT
1121	1722627.5231	2119910.2310	774.8891	IL94	4+30.6036	31976.3487' LT	POT
1122	1721676.7426	2119899.0876	763.4274	IL94	4+20.5869	31267.4481' LT	POT
1123	1720195.2476	2121849.8021	761.6920	IL94	4+28.7356	28867.4922' LT	POT
1124	1720055.1394	2125160.9187	767.2688	IL94	4+73.8804	26706.5567' LT	POT
1125	1719485.7199	2153313.0982	784.3472	IL94	386+89.1554	5761.2817' LT	POC, PAINTED
1126	1719485.8465	2153271.7792	784.4218	IL94	386+87.9310	5802.3661' LT	POC
1127	1719486.0700	2153229.9084	784.4370	IL94	386+86.7290	5844.0121' LT	POC, PAINTED
1128	1719499.0306	2151599.8783	786.6313	IL94	386+48.9416	7467.1869' LT	POT, PAINTED
1129	1719509.7503	2150304.6653	788.3004	IL94	386+26.9649	8758.4453' LT	POT, PAINTED
1130	1719524.9931	2148500.4440	790.5304	IL94	386+03.8051	10558.5281' LT	POT, PAINTED

REFERENCE TIES						
POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
500	1714193.1400	2159045.0130	IL94	340+28.7038	51.0239' RT	POWER POLE, SHINER
501	1714230.4020	2159023.1040	IL94	340+65.8058	28.845' RT	GUARDPOST, SHINER
502	1714236.1930	2159016.3960	IL94	340+71.5480	22.0952' RT	MAILBOX, POLE
503	1714607.9750	2158958.1090	IL94	344+42.8972	38.8885' LT	FENCE POST, SHINER
504	1714655.5970	2158958.8140	IL94	344+90.5231	38.5291' LT	FENCE POST, SHINER
505	1714686.0970	2158959.0400	IL94	345+21.0239	38.5244' LT	POWER POLE, SHINER
507	1713355.8330	2159019.3510	IL94	331+91.2326	31.4392' RT	POWER POLE, SHINER
508	1713284.1600	2158960.8190	IL94	331+19.1367	26.5711' LT	POWER POLE, SHINER
509	1713501.0520	2158957.4430	IL94	333+35.9985	31.5211' LT	POWER POLE, SHINER

APPARENT PROPERTY CORNERS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	1693059.2024	2140454.9569	807.7408	IL94	951+95.2500	2.9432' RT	SECTION CORNER, PK NAIL
701	1698460.5815	2140426.0617	798.7511	IL94	3+48.2278	286.2376' LT	SECTION CORNER, PK NAIL
702	1698466.8519	2143015.1853	792.3050	IL94	27+72.0326	30.1212' LT	WITNESS CORNER, PIN
703	1698465.9101	2143064.9516	793.9594	IL94	28+21.8058	29.6752' LT	WITNESS CORNER, PIN
704	1698403.0640	2143109.4000	794.0292	IL94	28+66.8781	32.725' RT	WITNESS CORNER, PIN
705	1719495.7028	2159043.2935	779.6029	IL94	393+12.9363	134.7245' LT	SECTION CORNER, PK NAIL

BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
402	1714340.4060	2159012.6980	707.2870	IL94	341+75.7314	17.641' RT	PLUG
403	1698431.5657	2146884.2209	805.1822	IL94	66+41.2277	33.3813' LT	R.O.W. MARKER, TOP
407	1698282.3713	2142369.7956	797.9824	IL94	21+28.5128	160.7799' RT	MISC. CONCRETE SLAB, CHISELED SQUARE
417	1698489.5468	2140495.7095	796.4509	IL94	3+92.9409	254.6266' LT	CHISELED SQUARE, MISC. CONCRETE SLAB
420	1698326.6259	2150788.9866	809.5538	IL94	105+46.8451	32.6526' RT	R.O.W. MARKER, TOP
421	1698310.9915	2154067.1311	794.1242	IL94	138+24.9827	15.6283' RT	HEADWALL, CHISELED SQUARE
423	1701292.9012	2158731.7570	801.7625	IL94	211+27.7350	183.2571' LT	FIRE HYDRANT, TOE
424	1703528.3883	2158831.5833	794.2303	IL94	233+62.9258	85.6026' LT	POWER POLE, BENCH TIE
426	1708192.2654	2158983.4056	770.5458	IL94	280+27.5401	32.9688' RT	R.O.W. MARKER, TOP
427	1709328.3296	2158992.3290	771.0565	IL94	291+63.6392	33.6471' RT	R.O.W. MARKER, TOP
461	1704639.3353	2158819.7916	790.5990	IL94	244+73.5162	104.8558' LT	MISC. CONCRETE SLAB, CHISELED SQUARE
462	1698443.5441	2145687.3344	806.6838	IL94	54+44.2813	33.4354' LT	CHISELED SQUARE, TOP
450	1698351.3028	2147568.8525	777.1729	IL94	73+26.6250	40.057' RT	DISK, HEADWALL
471	1712128.6697	2159021.7878	725.9455	IL94	319+64.1193	42.782' RT	PIPE CULVERT, CHISELED SQUARE

CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
IL94	200	200	201	202	203
IL94	210	210	211	212	213
IL94	220	220	221	222	223
IL94	230	230	231	232	233
IL94	240	240	241	242	243
IL94	250	250	251	252	253
IL94	290	290	291	292	293

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

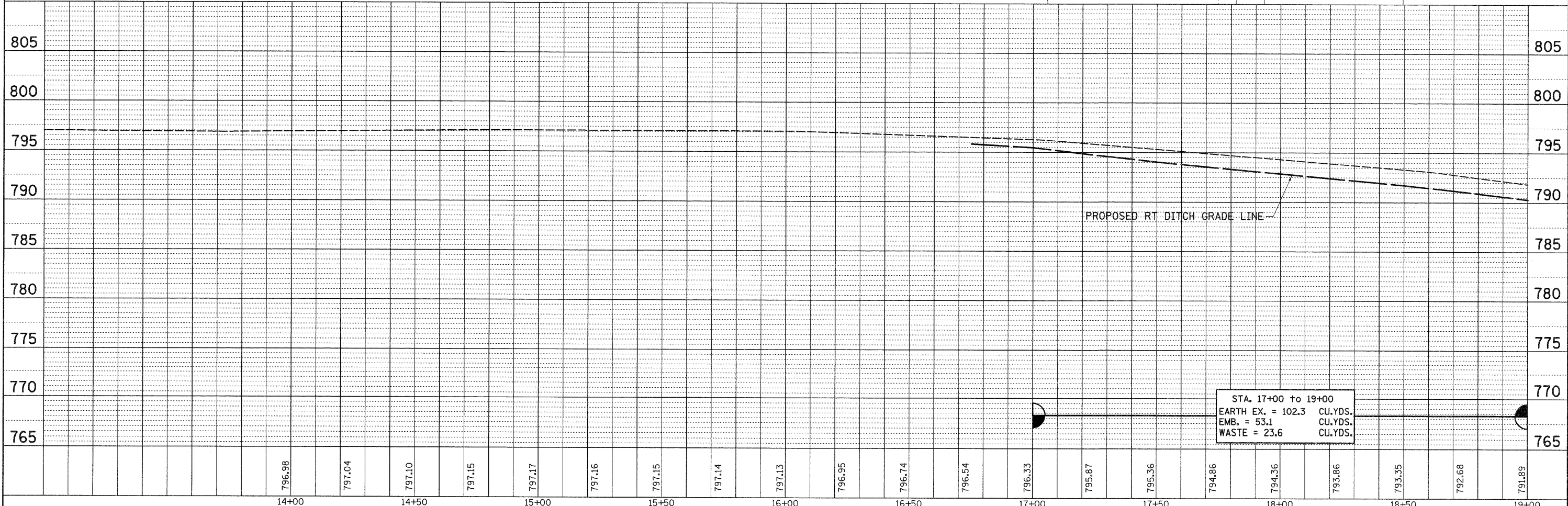
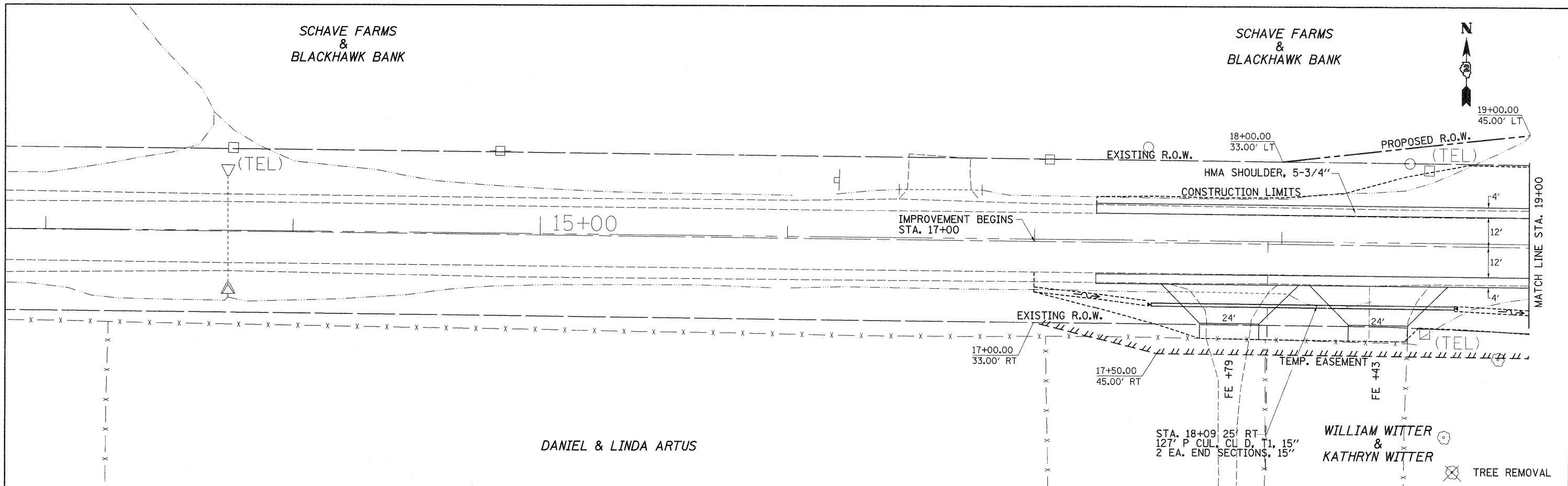
SCHAVE FARMS
&
BLACKHAWK BANK

SCHAVE FARMS
&
BLACKHAWK BANK



PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	REVISIONS		
	NO. _____		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
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	NOTATIONS		

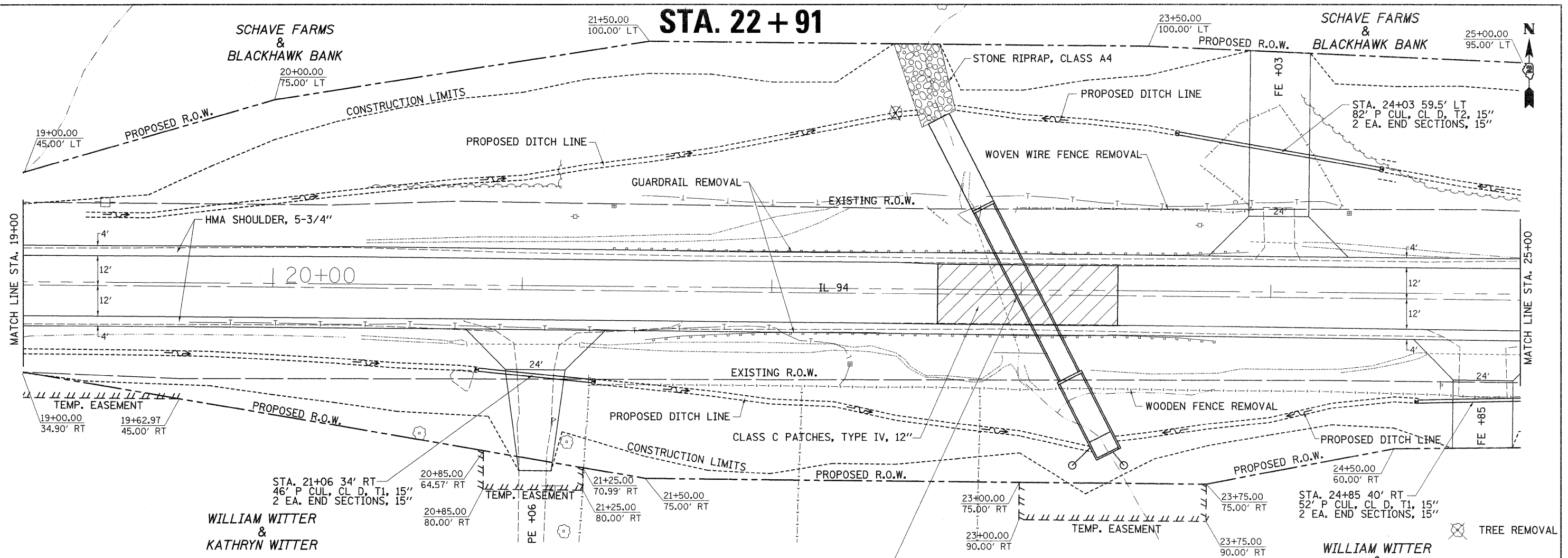


FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pw_work\pwidot\grantpm\d0184077\021230	shp-plnprf.dgn	DRAWN -	REVISED -			•	(19,20)RS-2	**	231	29	
	PLOT SCALE = 20,0000' / 1"	CHECKED -	REVISED -			CONTRACT NO. 64D72					
	PLOT DATE = Thu Jun 23 08:57:27 2011	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

STA. 22 + 91

SCHAVE FARMS & BLACKHAWK BANK

SCHAVE FARMS & BLACKHAWK BANK



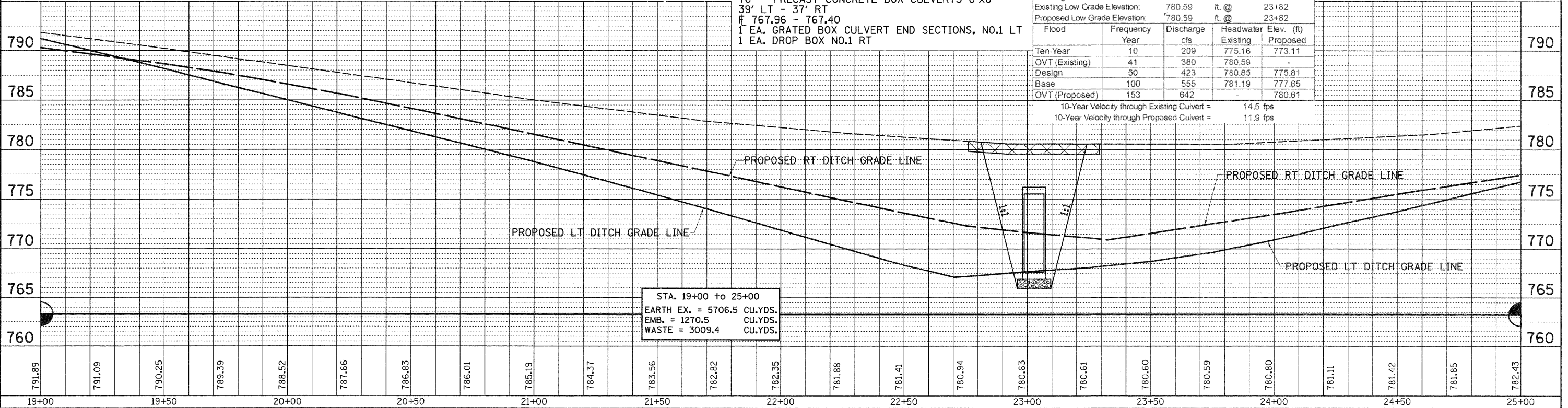
WILLIAM WITTER & KATHRYN WITTER

WILLIAM WITTER & KATHRYN WITTER

STA. 23+02.76 @ 27° SKEW
 1 EA. REMOVAL OF EXISTING STRUCTURE NO.1
 76' - PRECAST CONCRETE BOX CULVERTS 8'x8'
 39' LT - 37' RT
 H 767.96 - 767.40
 1 EA. GRATED BOX CULVERT END SECTIONS, NO.1 LT
 1 EA. DROP BOX NO.1 RT

Drainage Area = 373.0 acres			
Existing Low Grade Elevation: 780.59 ft. @ 23+82		Proposed Low Grade Elevation: 780.59 ft. @ 23+82	
Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft)
Ten-Year	10	209	775.16
OVT (Existing)	41	380	780.59
Design	50	423	780.85
Base	100	555	781.19
OVT (Proposed)	153	642	780.61

10-Year Velocity through Existing Culvert = 14.5 fps
 10-Year Velocity through Proposed Culvert = 11.9 fps



STA. 19+00 to 25+00
 EARTH EX. = 5706.5 CU.YDS.
 EMB. = 1270.5 CU.YDS.
 WASTE = 3009.4 CU.YDS.

DATE	
BY	
REVISION	
NO.	

DATE	
BY	
REVISION	
NO.	

FILE NAME =	USER NAME = cushanbw	DESIGNED -	REVISED -
ct:\pwork\pwork\cushanbw\d0184877\02122007\sh-p\prf.dgn		DRAWN -	REVISED -
PLOT SCALE = 20.0000' / 1" =		CHECKED -	REVISED -
PLOT DATE = Thu Jun 30 08:43:37 2011		DATE -	REVISED -

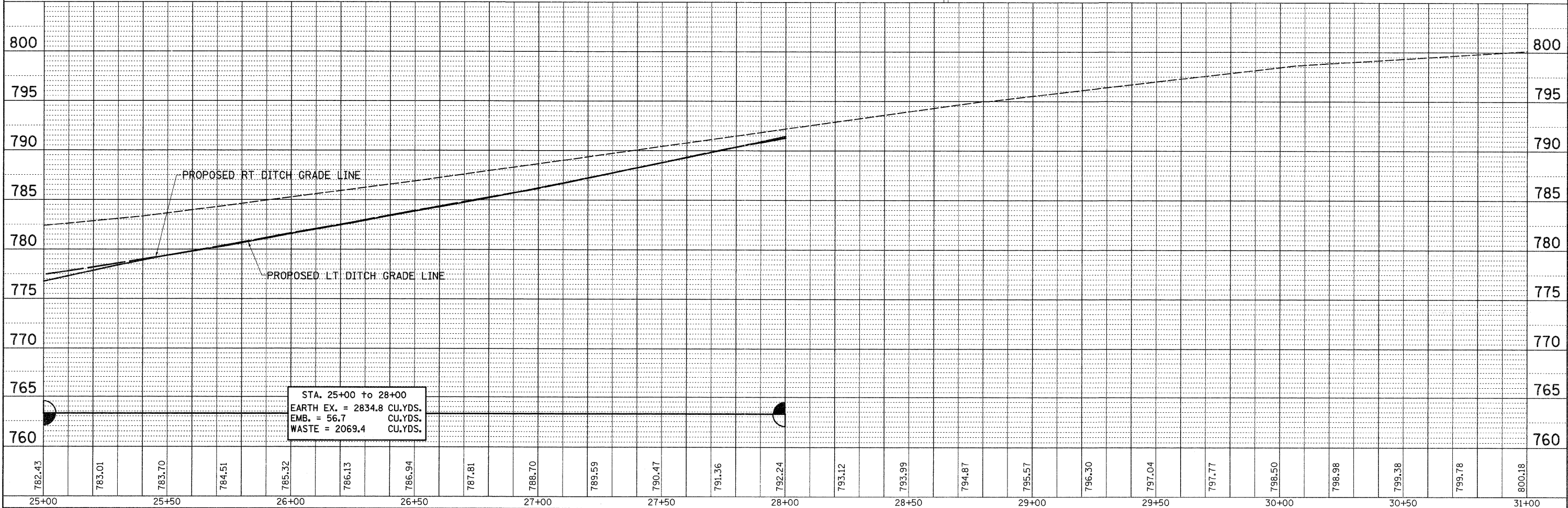
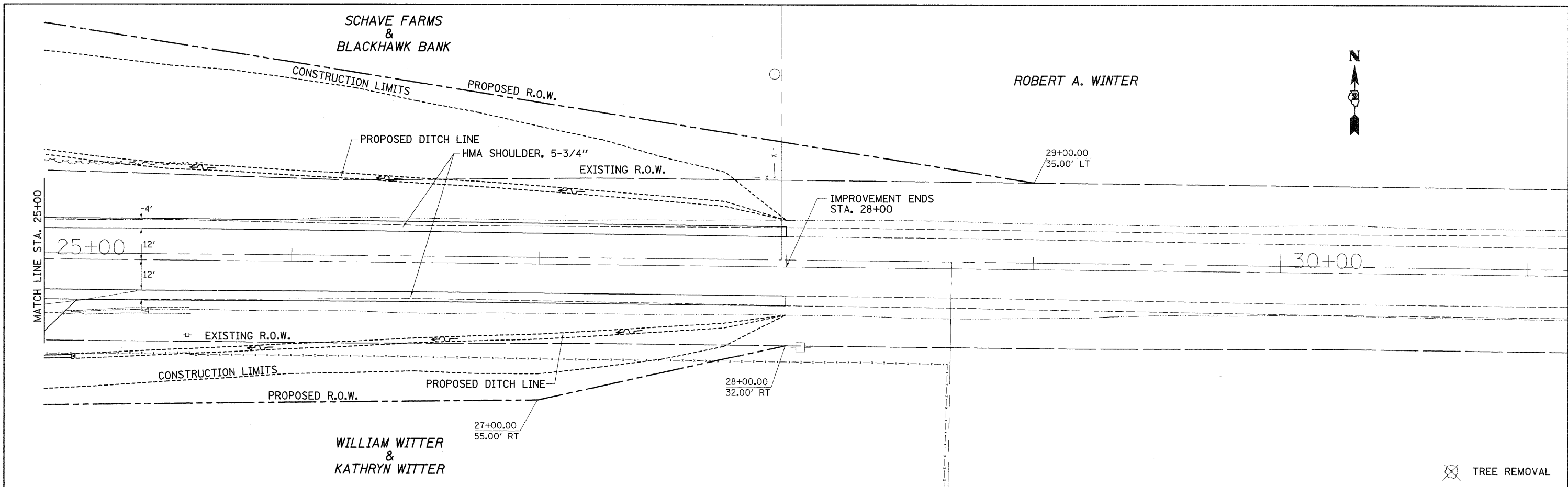
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 94
 PLAN & PROFILE
 SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	30
CONTRACT NO. 64D72				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	FILE NAME		

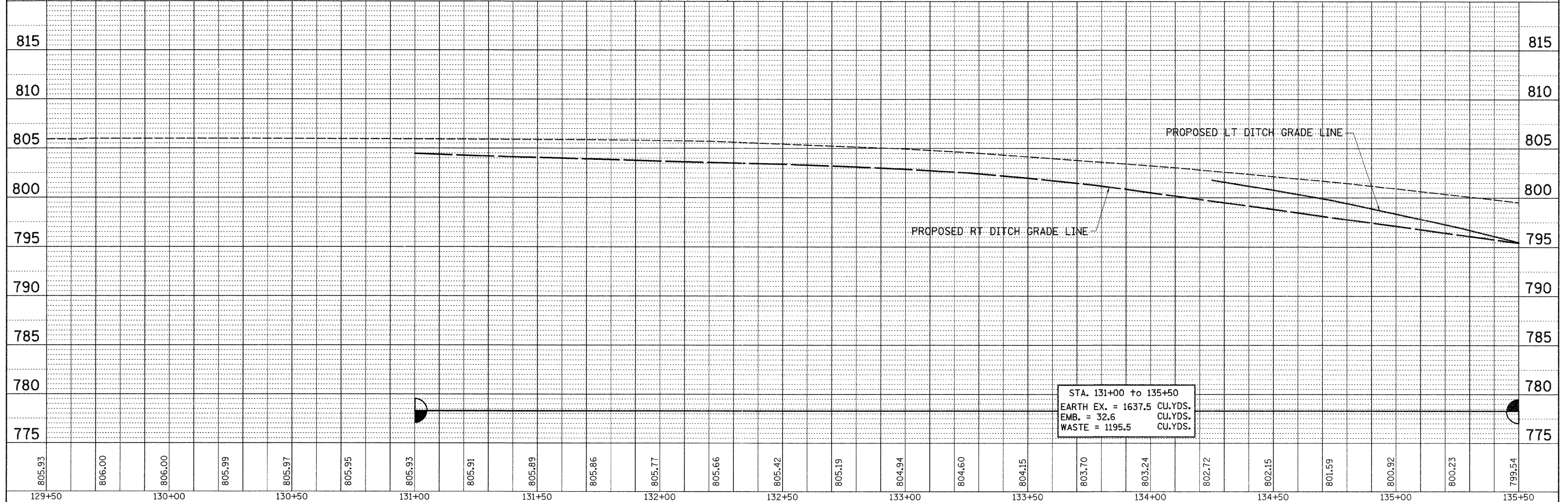
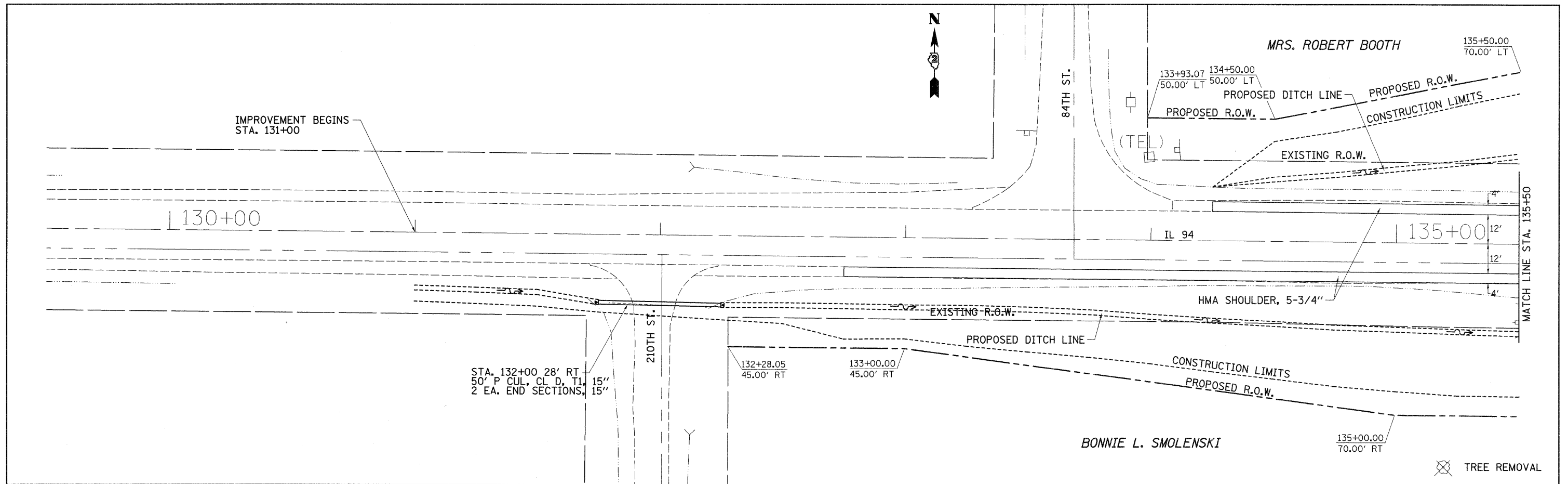
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	RT. OF WAY CHECKED		
	NO. _____		
	FILE NAME		



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ci:\pw_work\pwidet\grantpm\d0184077\021230\pht-plnpr.f.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	31
PLOT SCALE = 20.0000' / 1" =		CHECKED -	REVISED -			CONTRACT NO. 64D72				
PLOT DATE = Thu Jun 23 08:57:30 2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	CADD FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	CHECKED		
	NO. OF WAY CHECKED		
	STRUCTURE NOTATIONS CHKD		



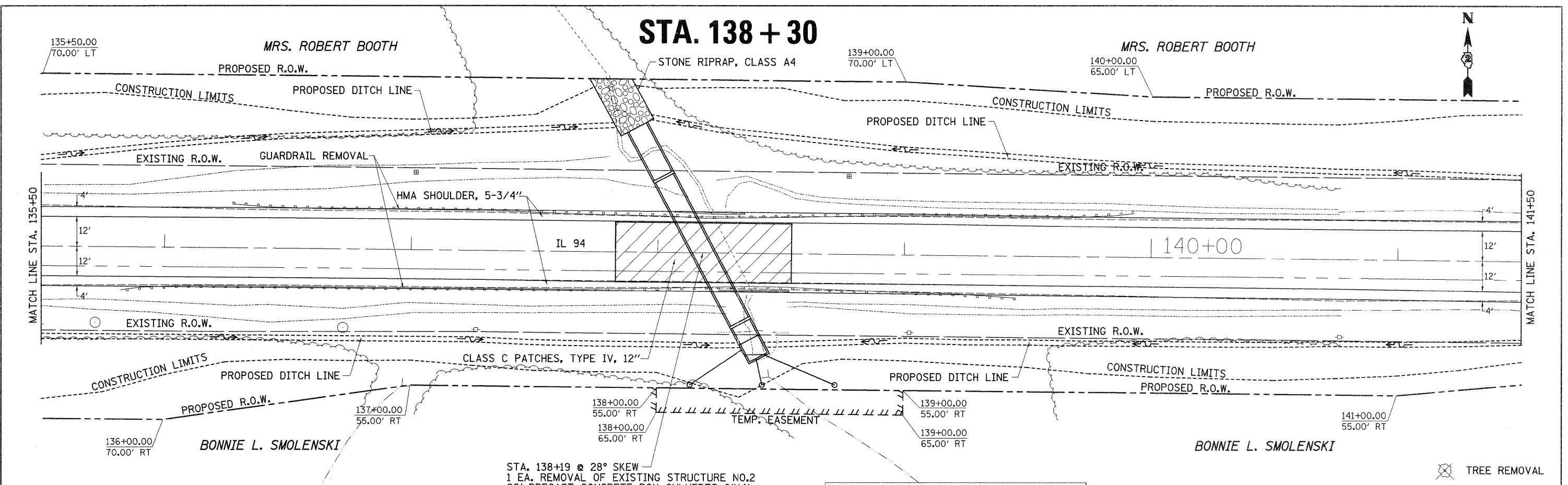
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PLOT SCALE = 20,0000' / 1"		CHECKED -	REVISED -			CONTRACT NO. 64D72				
PLOT DATE = Thu Jun 23 08:57:31 2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

STA. 138 + 30



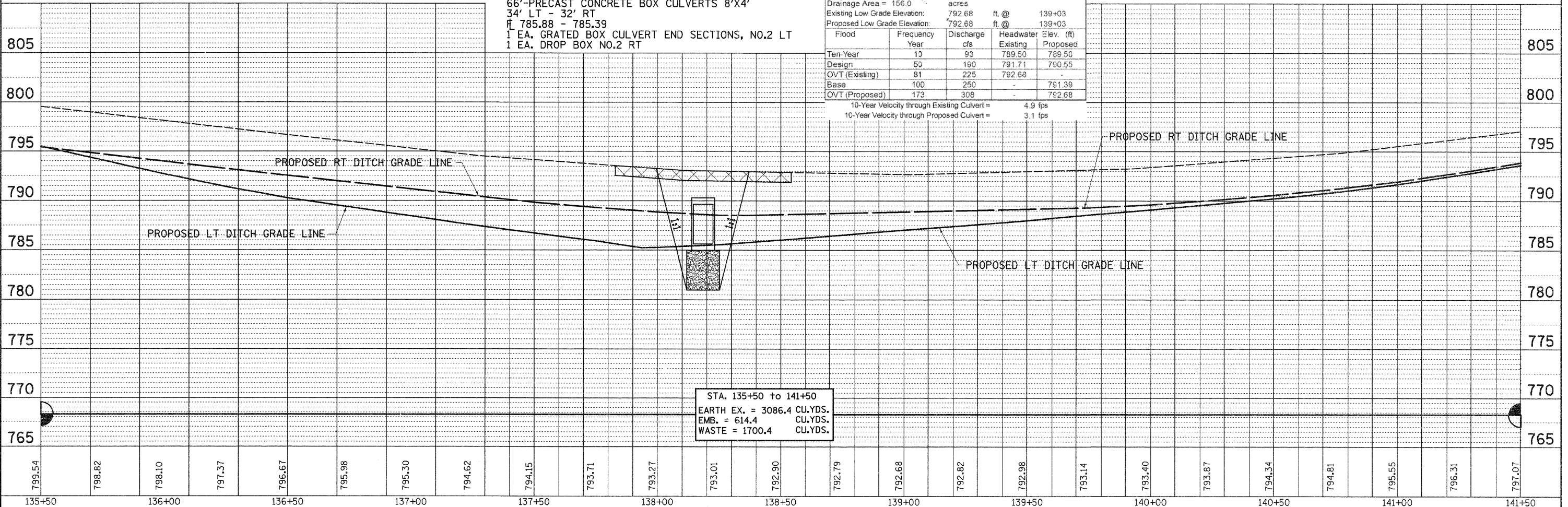
PLAN	SURVEYED	DATE
NOTE BOOK	ALIGNED	BY
NO.	CHECKED	
	FILE NAME	

PROFILE	SURVEYED	DATE
NOTE BOOK	CHECKED	BY
NO.	STRUCTURE	
	NOTATIONS	



STA. 138+19 @ 28° SKEW
 1 EA. REMOVAL OF EXISTING STRUCTURE NO.2
 66'-PRECAST CONCRETE BOX CULVERTS 8'X4'
 34' LT - 32' RT
 R 785.88 - 785.39
 1 EA. GRATED BOX CULVERT END SECTIONS, NO.2 LT
 1 EA. DROP BOX NO.2 RT

Drainage Area =	156.0	acres	
Existing Low Grade Elevation:	792.68	ft @ 139+03	
Proposed Low Grade Elevation:	792.68	ft @ 139+03	
Flood Year	10	Discharge cfs	Headwater Elev. (ft)
Ten-Year	10	93	Existing 789.50
Design	50	190	Proposed 789.50
OVT (Existing)	81	225	791.71
Base	100	250	792.68
OVT (Proposed)	173	308	791.39
10-Year Velocity through Existing Culvert =		4.9 fps	
10-Year Velocity through Proposed Culvert =		3.1 fps	

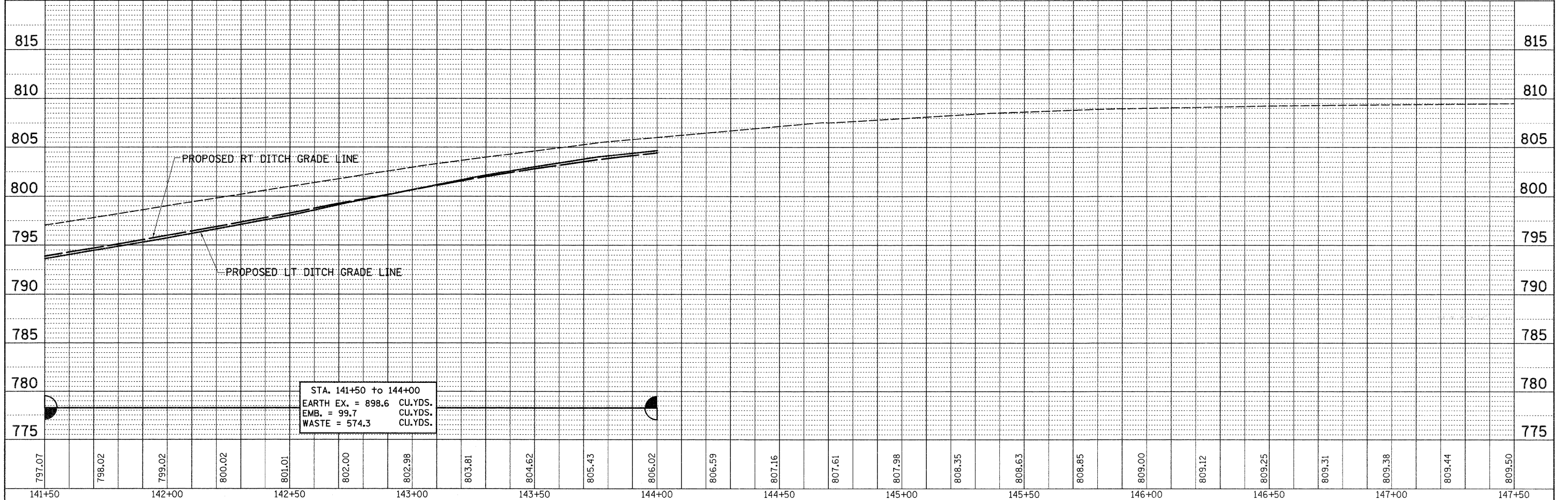
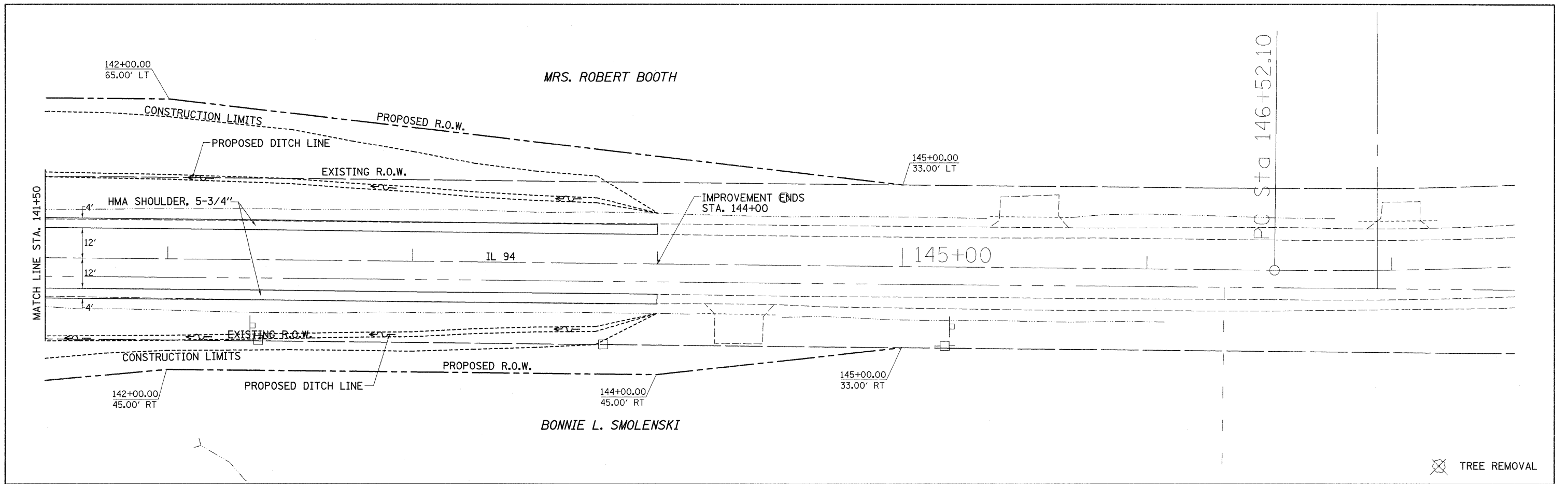


STA. 135+50 to 141+50
 EARTH EX. = 3086.4 CU.YDS.
 EMB. = 614.4 CU.YDS.
 WASTE = 1700.4 CU.YDS.

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pwwork\pwwork\cushmanbw\d0184877\02122007\ht-plnprf.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	33	
PLOT SCALE = 20.0000' / 1"		CHECKED -	REVISED -			CONTRACT NO. 64D72					
PLOT DATE = Thu Jun 30 08:43:00 2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
SCALE:		SHEET NO. OF SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT					
						221,213 & 220					
						BACK TO MAP & MAPPER COUNTY					

PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 CHECKED BY DATE
 REVISIONS
 NO. DATE DESCRIPTION
 NOTE BOOK NO. DATE CHECKED BY
 CADD FILE NAME

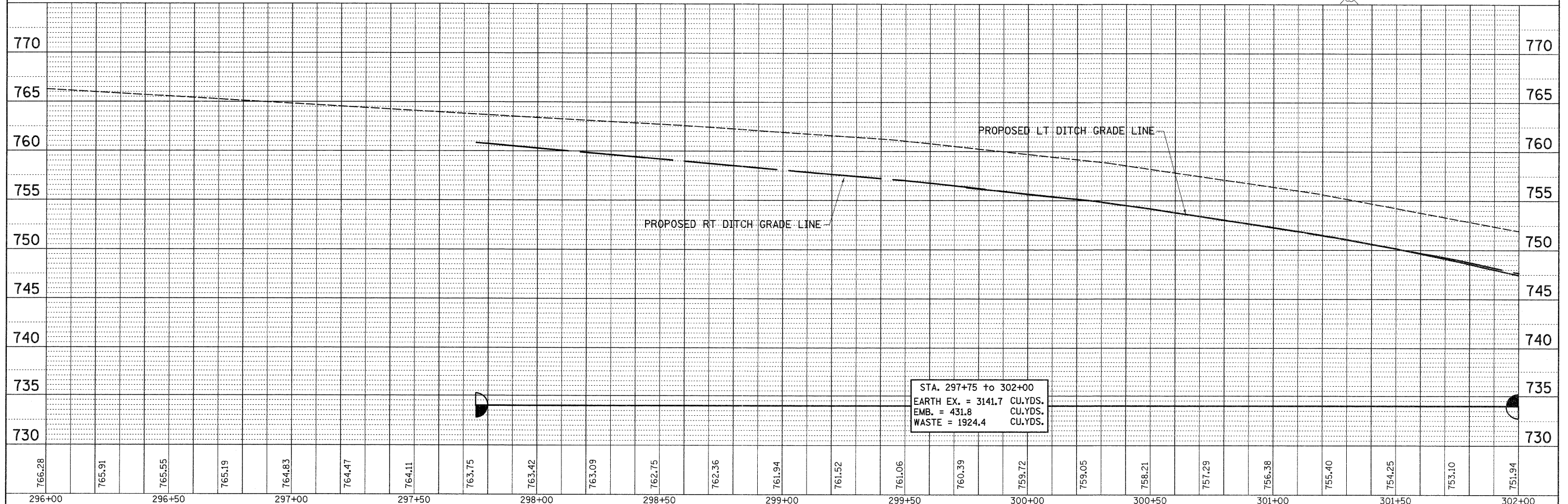
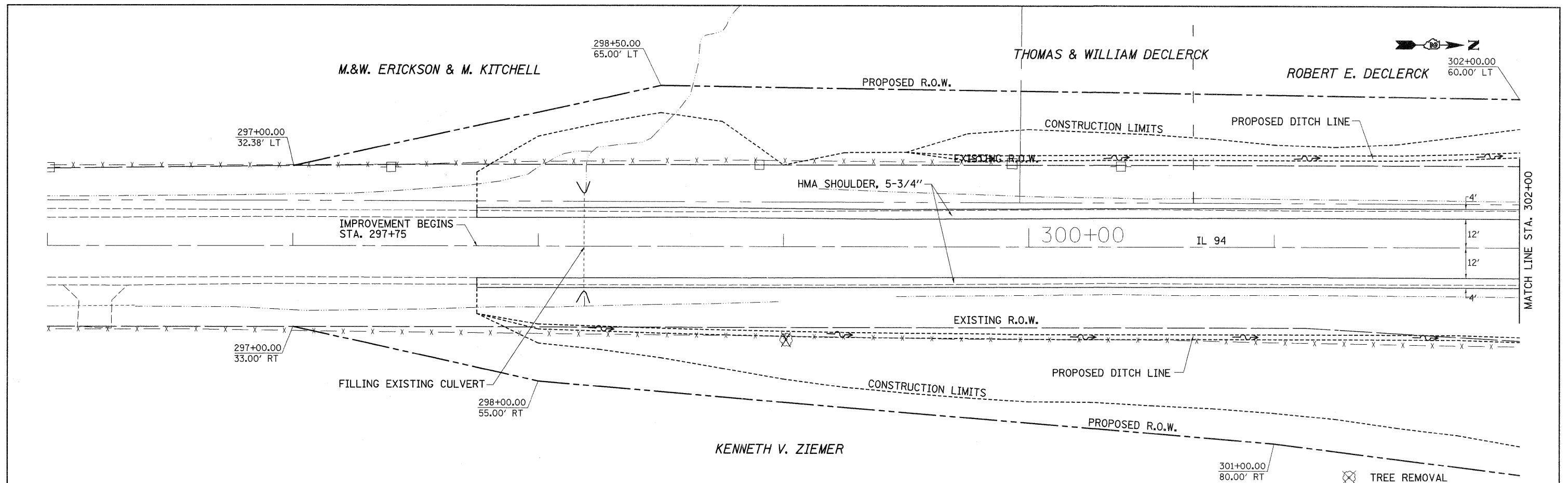
PROFILE SURVEYED BY DATE
 PLOTTED BY DATE
 CHECKED BY DATE
 REVISIONS
 NO. DATE DESCRIPTION
 NOTE BOOK NO. DATE CHECKED BY
 STRUCTURE NOTATIONS CHKD



797.07	798.02	799.02	800.02	801.01	802.00	802.98	803.81	804.62	805.43	806.02	806.59	807.16	807.61	807.98	808.35	808.63	808.85	809.00	809.12	809.25	809.31	809.38	809.44	809.50	
141+50	142+00	142+50	143+00	143+50	144+00	144+50	145+00	145+50	146+00	146+50	147+00	147+50													

PLAN	SURVEYED	DATE
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FILE	SURVEYED	DATE
	BY	
	NO.	
	DATE	
	BY	
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	DATE	



STA. 297+75 to 302+00
 EARTH EX. = 3141.7 CU.YDS.
 EMB. = 431.8 CU.YDS.
 WASTE = 1924.4 CU.YDS.

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
at:\pw_work\p\idot\grantpm\d0184077\021230\ht-plnprf.dgn	DRAWN -	REVISED -	19,201RS-2			**	231	35		
PLOT SCALE = 20,0000' / 1"	CHECKED -	REVISED -	CONTRACT NO. 64D72							
PLOT DATE = Thu Jun 23 08:57:35 2011	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							
					SCALE:	SHEET NO. OF SHEETS STA. TO STA.		221,213 & 220 ** ROCK ISLAND & MERCEDES COUNTY		

STA. 304 + 87

ROBERT E. DECLERCK

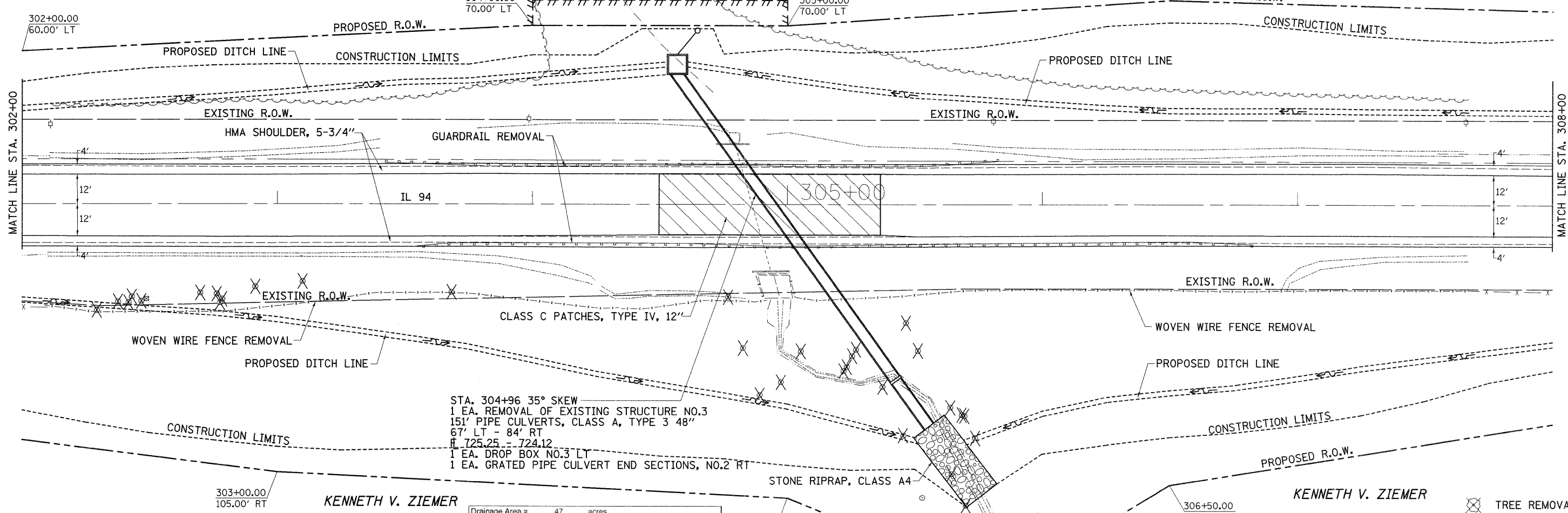
ROBERT E. DECLERCK

306+50.00
80.00' LT



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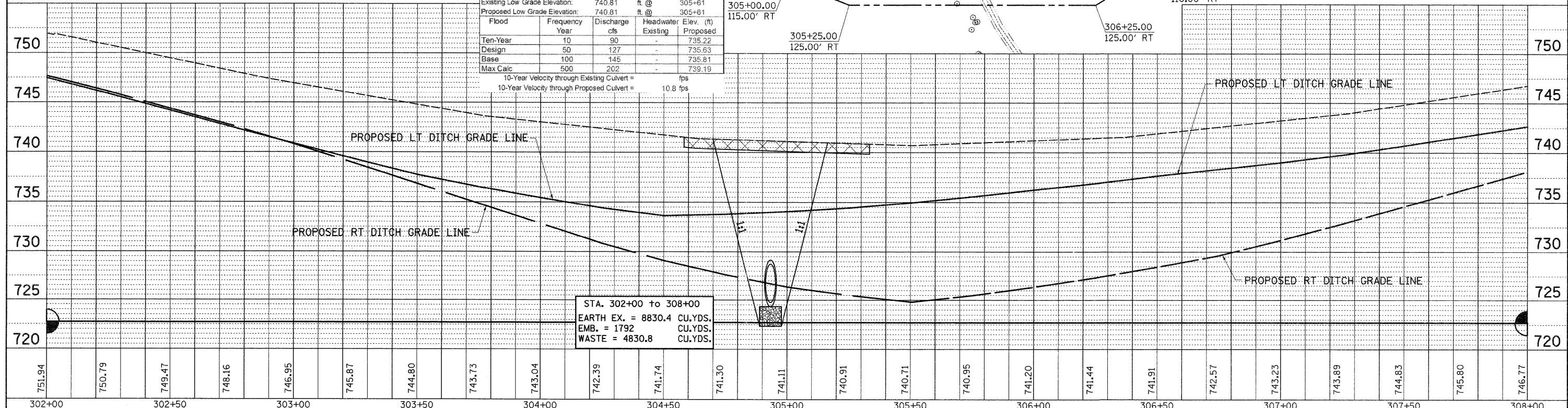
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STA. 304+96 35° SKEW
 1 EA. REMOVAL OF EXISTING STRUCTURE NO.3
 151' PIPE CULVERTS, CLASS A, TYPE 3 48"
 67' LT - 84' RT
 E. 725.25 - 724.12
 1 EA. DROP BOX NO.3 LT
 1 EA. GRATED PIPE CULVERT END SECTIONS, NO.2 RT

Drainage Area =	47	acres			
Existing Low Grade Elevation:	740.81	ft. @ 305+61			
Proposed Low Grade Elevation:	740.81	ft. @ 305+61			
Flood	Frequency	Discharge	Headwater	Elev. (ft)	
	Year	cts	Existing	Proposed	
Ten-Year	10	90	-	735.22	
Design	50	127	-	735.63	
Base	100	145	-	735.81	
Max Calc	500	202	-	739.19	
10-Year Velocity through Existing Culvert =					fps
10-Year Velocity through Proposed Culvert =					10.8 fps

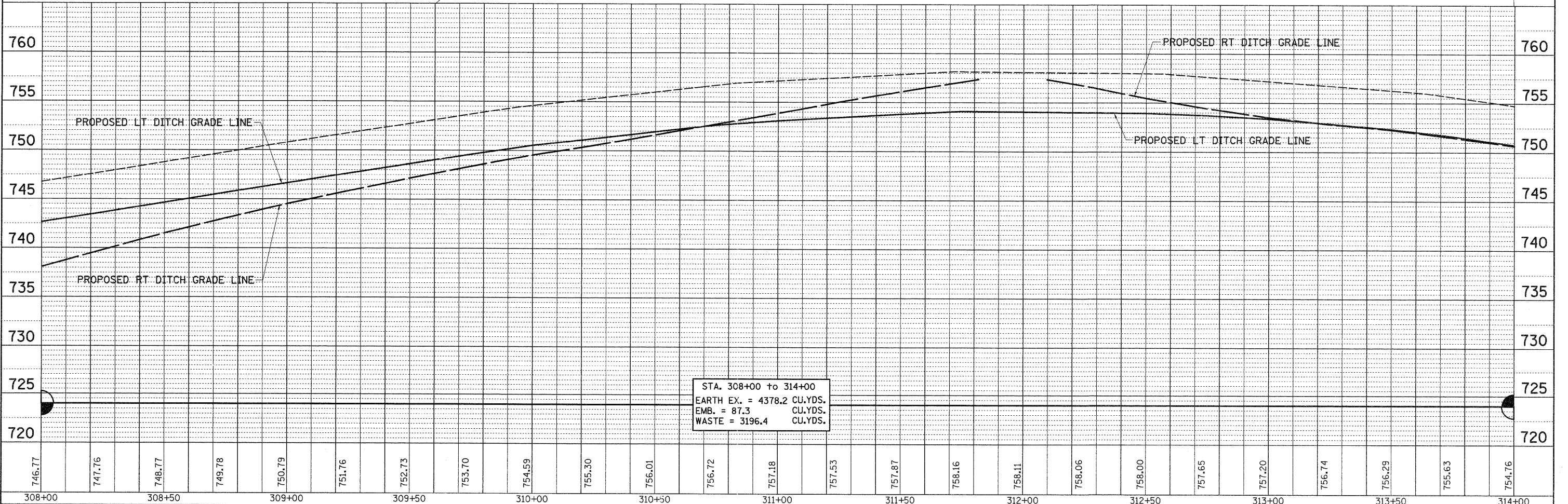
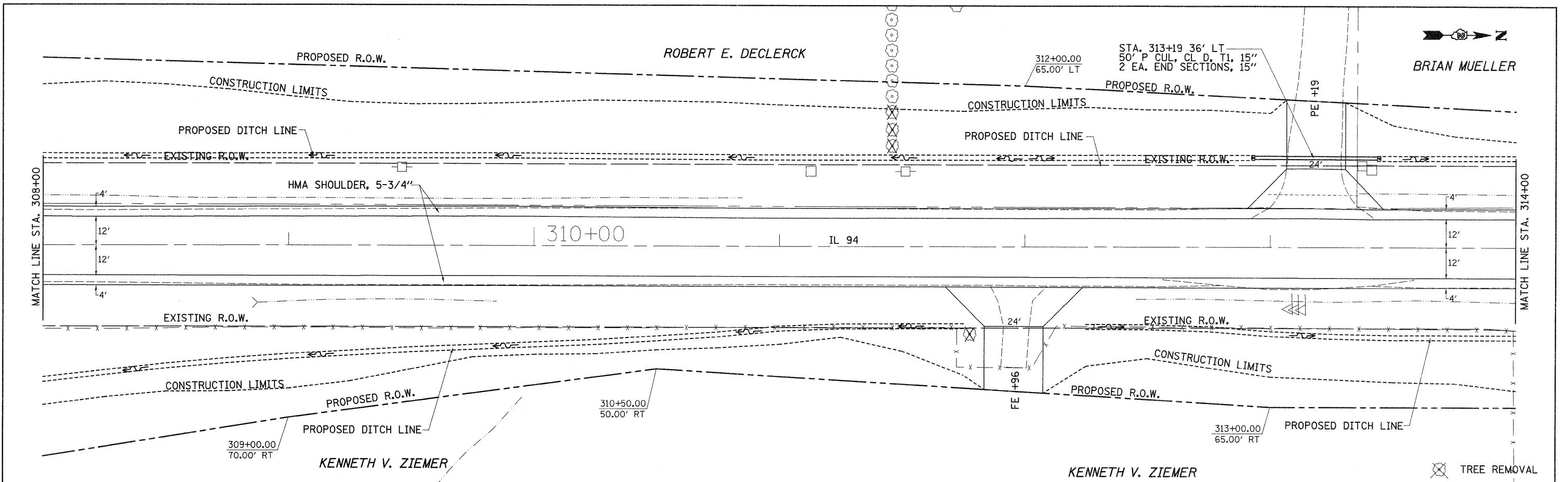
STA. 302+00 to 308+00
 EARTH EX. = 8830.4 CU.YDS.
 EMB. = 1792 CU.YDS.
 WASTE = 4830.8 CU.YDS.



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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	PLOT DATE = Thu Jun 23 08:57:35 2011	CHECKED -	REVISED -			CONTRACT NO. 64D72					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

DATE: _____ BY: _____
 SURVEYED _____ PLOTTED _____
 CHECKED _____ DRAWN _____
 NOTE BOOK NO. _____
 FILE NAME: _____

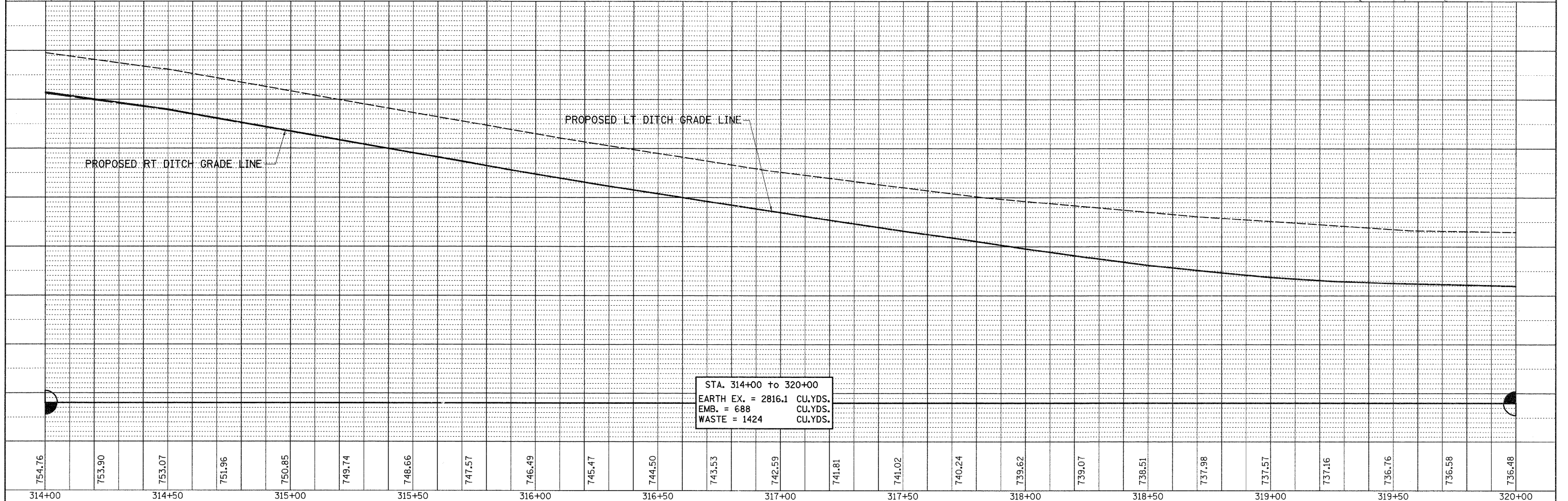
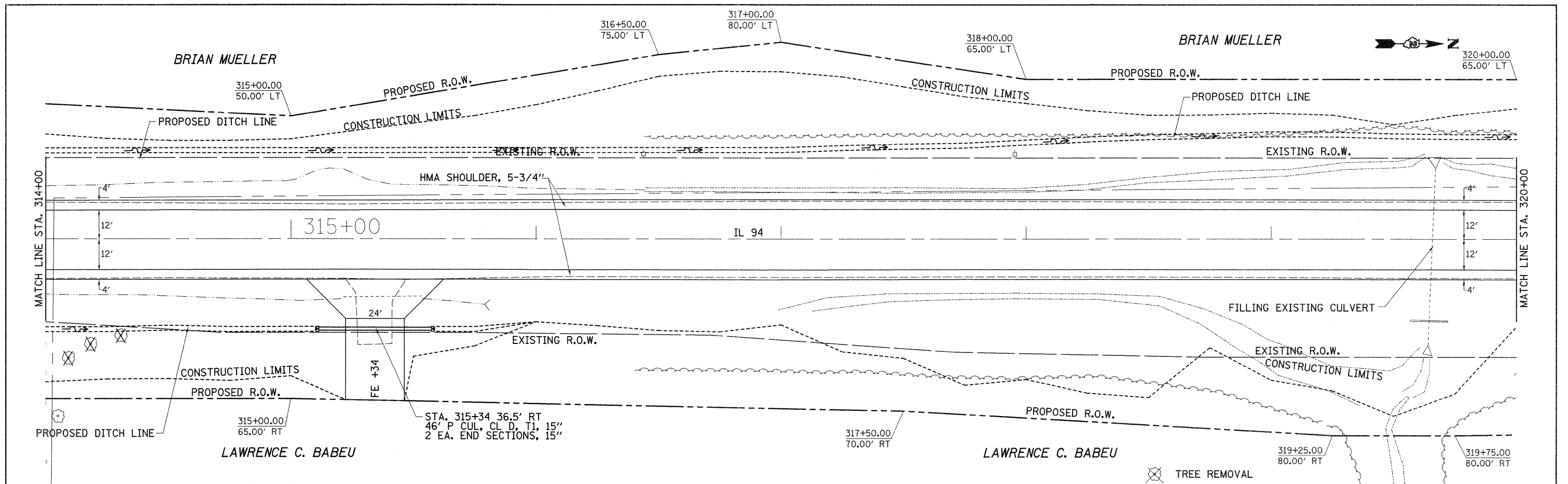
DATE: _____ BY: _____
 SURVEYED _____ PLOTTED _____
 CHECKED _____ DRAWN _____
 NOTE BOOK NO. _____
 FILE NAME: _____



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE = 20,0000' / in.	CHECKED -	REVISED -		STA. _____ TO STA. _____				CONTRACT NO. 64D72	
	PLOT DATE = Thu Jun 23 08:57:37 2011	DATE -	REVISED -						ILLINOIS FED. AID PROJECT	

DATE	
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DESIGNED	
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CHECKED	
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FILE	
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DATE	
BY	
DESIGNED	
DRAWN	
CHECKED	
DATE	
FILE	
NO.	



STA. 314+00 to 320+00
 EARTH EX. = 2816.1 CU.YDS.
 EMB. = 688 CU.YDS.
 WASTE = 1424 CU.YDS.

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\pwwdot\grantpm\d0184077\0212307\shtr-p\Inprf.dgn		DRAWN -	REVISED -			•	(19,20)RS-2	**	231	38
PLOT SCALE = 20.0000' / in.		CHECKED -	REVISED -			CONTRACT NO. 64D72				
PLOT DATE = Thu Jun 23 08:57:38 2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				
				SCALE: SHEET NO. OF SHEETS STA. TO STA.		ILLINOIS FED. AID PROJECT				

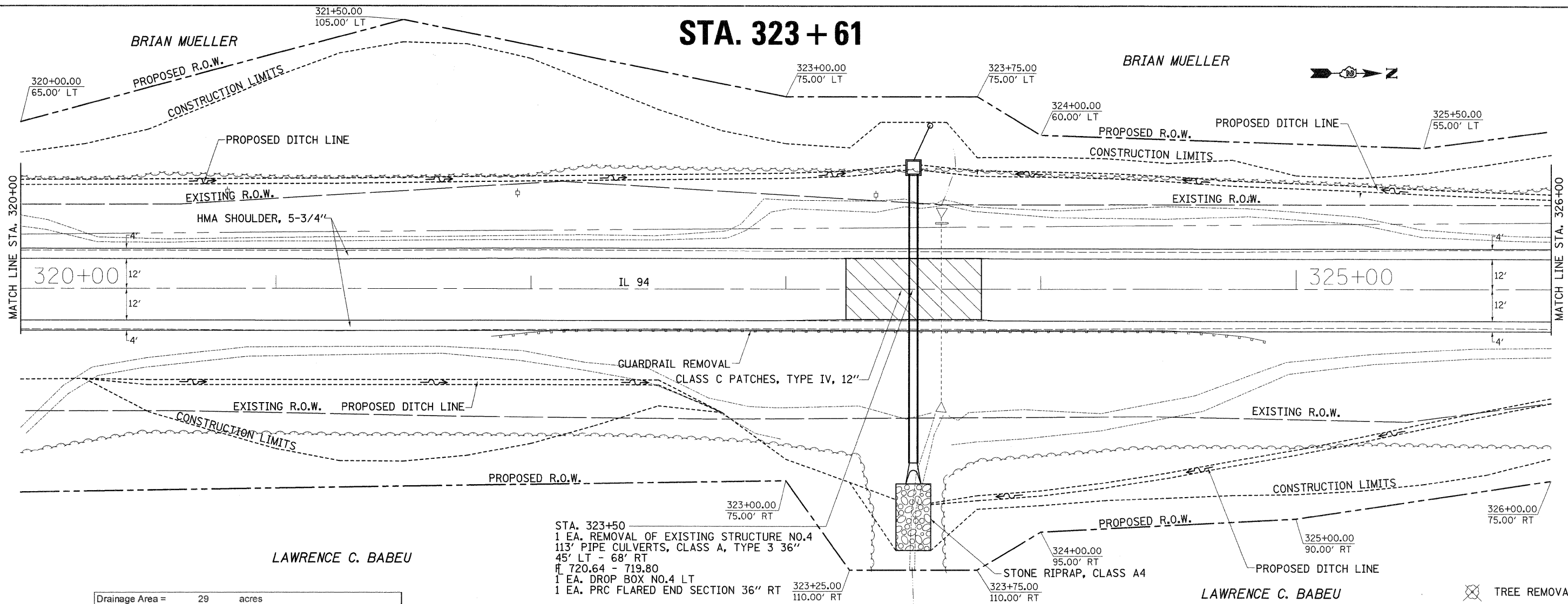
STA. 323 + 61

BRIAN MUELLER

BRIAN MUELLER

DATE	
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NOTE BOOK	
NO.	
STRUCTURE	
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STRUCTURE	
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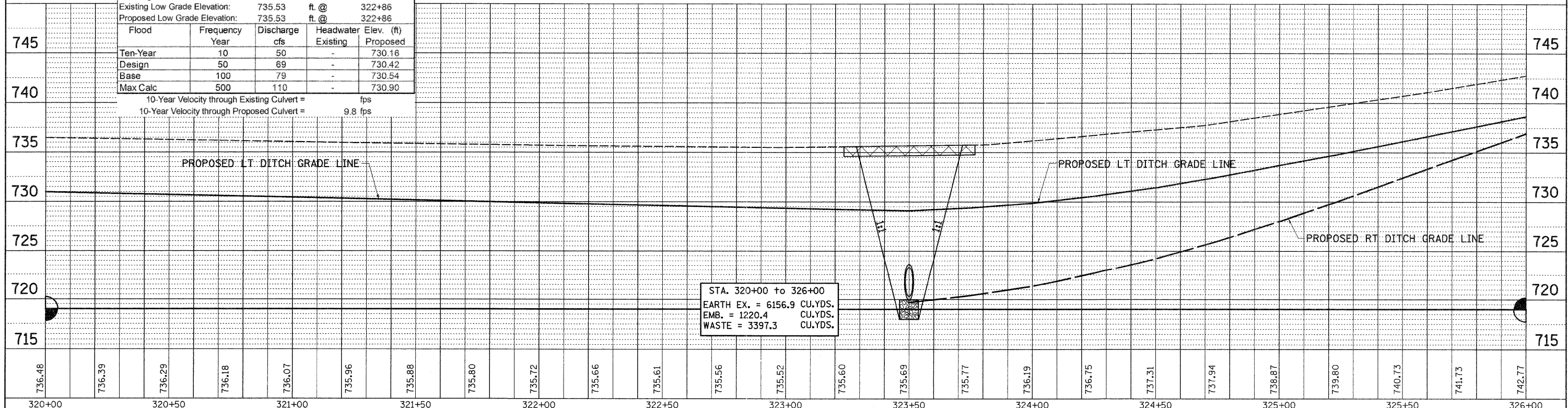
LAWRENCE C. BABEU

LAWRENCE C. BABEU

STA. 323+50
 1 EA. REMOVAL OF EXISTING STRUCTURE NO.4
 113' PIPE CULVERTS, CLASS A, TYPE 3 36"
 45' LT - 68' RT
 # 720.64 - 719.80
 1 EA. DROP BOX NO.4 LT
 1 EA. PRC FLARED END SECTION 36" RT

Drainage Area =	29	acres		
Existing Low Grade Elevation:	735.53	ft. @ 322+86		
Proposed Low Grade Elevation:	735.53	ft. @ 322+86		
Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft)	
Ten-Year	10	50	-	730.16
Design	50	69	-	730.42
Base	100	79	-	730.54
Max Calc	500	110	-	730.90

10-Year Velocity through Existing Culvert = 9.8 fps
 10-Year Velocity through Proposed Culvert = 9.8 fps



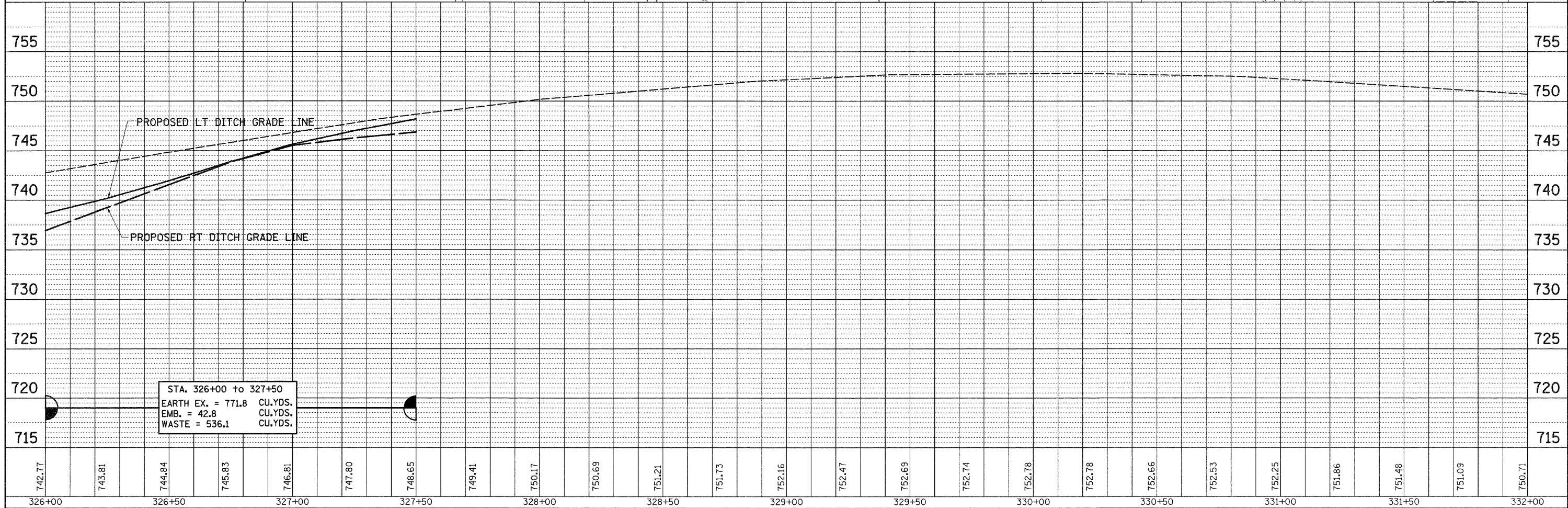
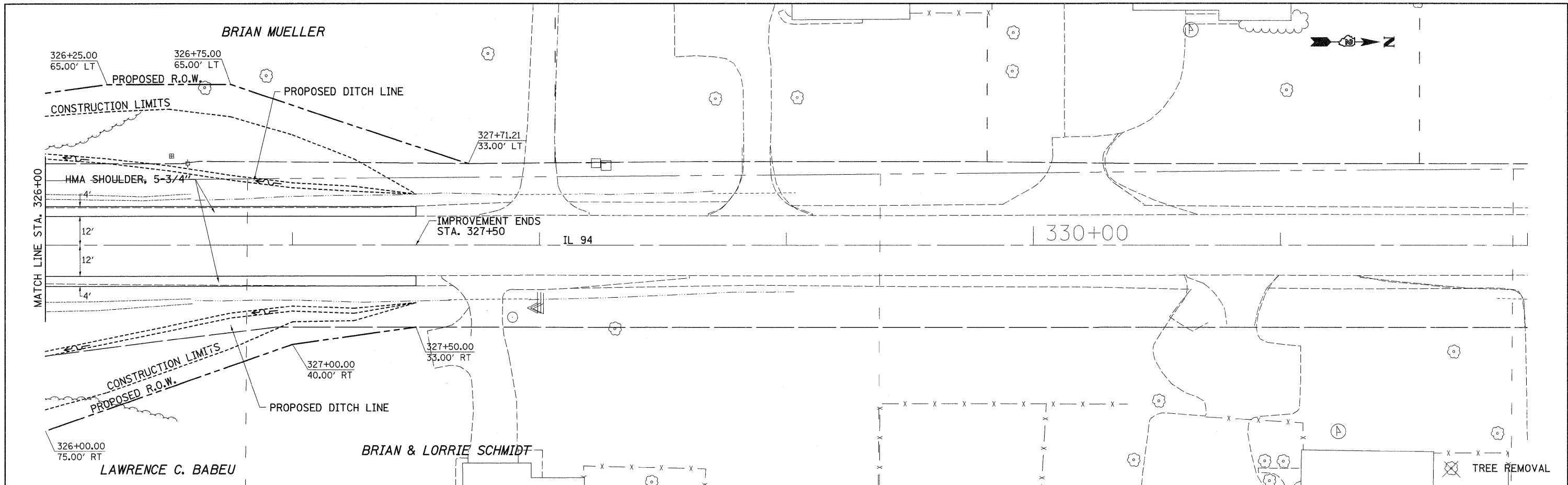
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 94
 PLAN & PROFILE

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	SCALE:	SHEET NO. OF SHEETS	STA. TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pdxdot\grantpm\d0184077\021230\sheet-plnpr.f.dgn		DRAWN -	REVISED -					(19,20)RS-2	**	231	39
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PLOT DATE = Thu Jun 23 08:57:39 2011		DATE -	REVISED -								
CONTRACT NO. 64D72											

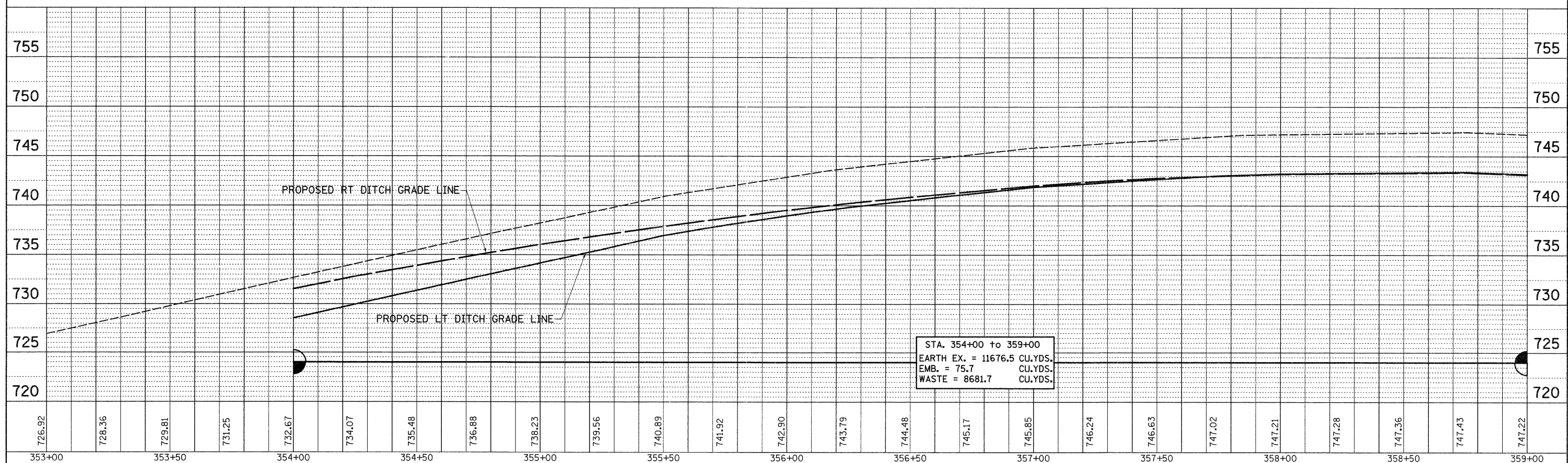
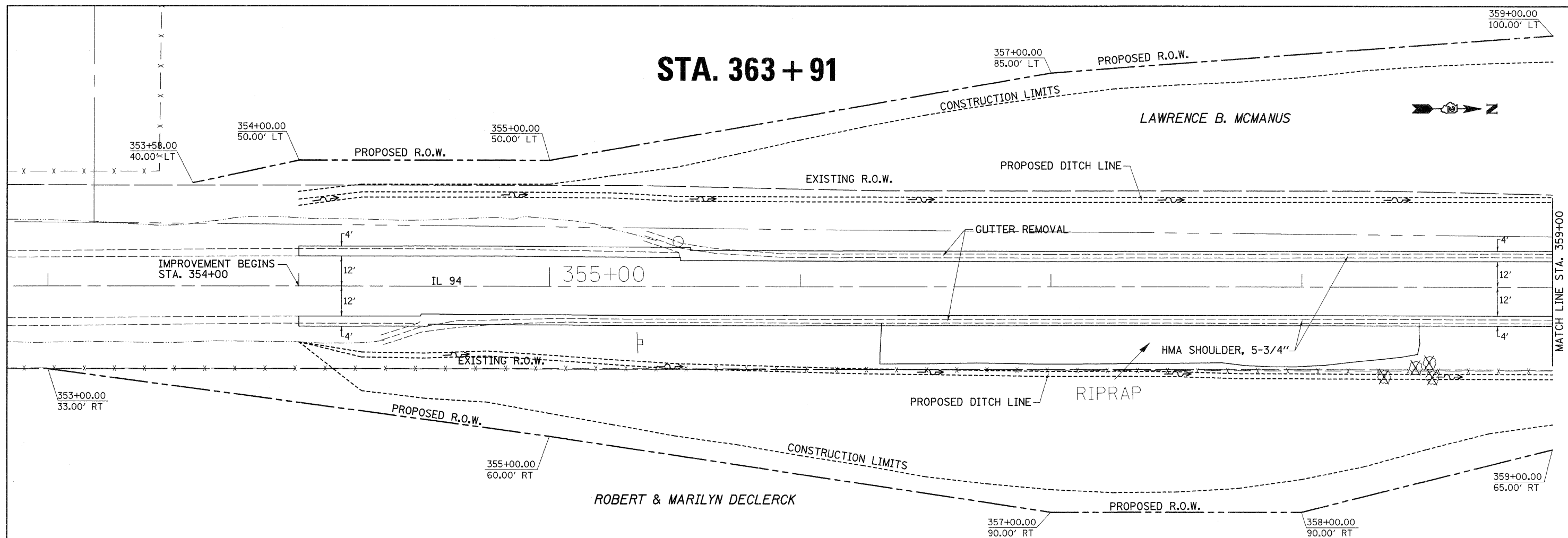
PLAN
 SURVEYED
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 CHECKED
 RT. OF WAY CHECKED
 NO. _____ DATE _____
 CAD FILE NAME

PROFILE
 SURVEYED
 PLOTTED
 CHECKED
 STRUCTURE NOTATIONS CHECKED
 NO. _____ DATE _____



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	DRAWN -	REVISED -	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE = 20.0000' / 1"		DATE -	REVISED -			CONTRACT NO. 64072					
PLOT DATE = Thu Jun 23 08:57:41 2011						ILLINOIS FED. AID PROJECT					

STA. 363 + 91



PLAN	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	RT. OF WAY CHECKED	
	CADD FILE NAME	

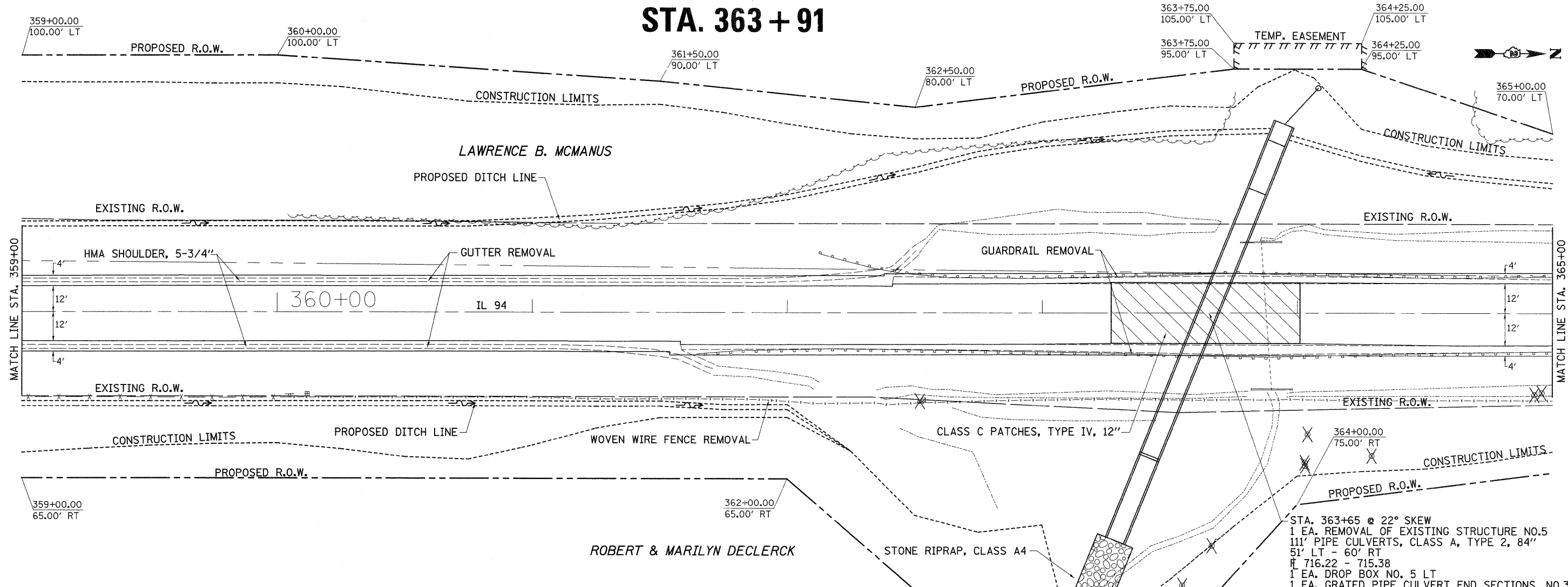
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	NOTED	
	STRUCTURE NOTATIONS CHKD	

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLT DATE = Thu Jun 23 08:57:42 2011	DATE -	CHECKED -	REVISED -			CONTRACT NO. 64D72				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

STA. 363 + 91

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 NOTE BOOK NO.: _____
 FILE NAME: _____

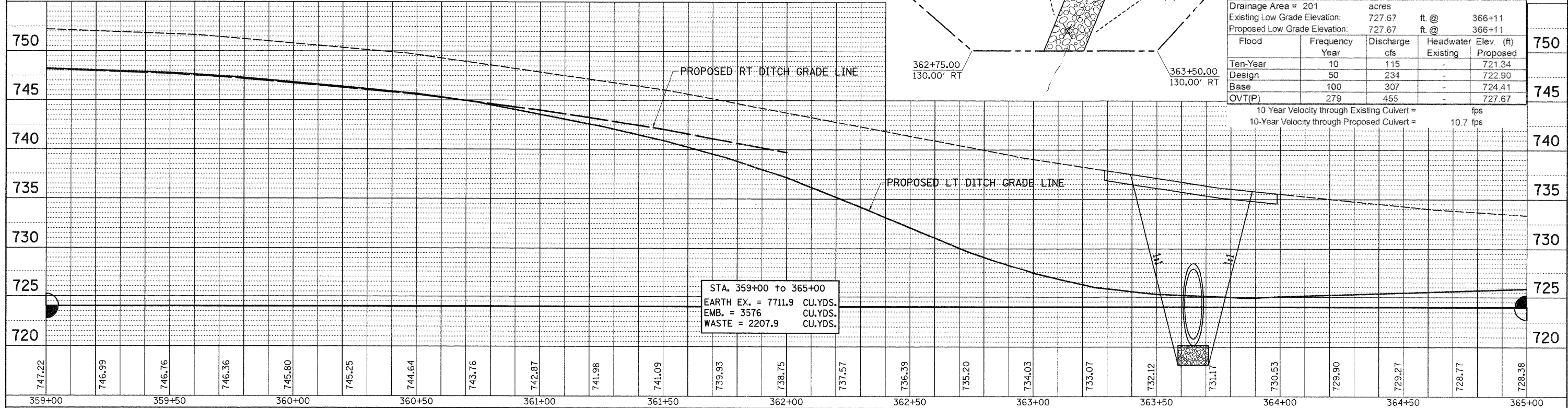
DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 NOTE BOOK NO.: _____
 FILE NAME: _____



STA. 363+65 @ 22° SKEW
 1 EA. REMOVAL OF EXISTING STRUCTURE NO.5
 111' PIPE CULVERTS, CLASS A, TYPE 2, 84"
 51' LT - 60' RT
 # 716.22 - 715.38
 1 EA. DROP BOX NO. 5 LT
 1 EA. GRATED PIPE CULVERT END SECTIONS, NO.3 RT

Drainage Area = 201		acres	
Existing Low Grade Elevation:	727.67	ft. @	366+11
Proposed Low Grade Elevation:	727.67	ft. @	366+11
Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft)
Existing	Proposed		
Ten-Year	10	115	721.34
Design	50	234	722.90
Base	100	307	724.41
OVT(P)	279	455	727.67

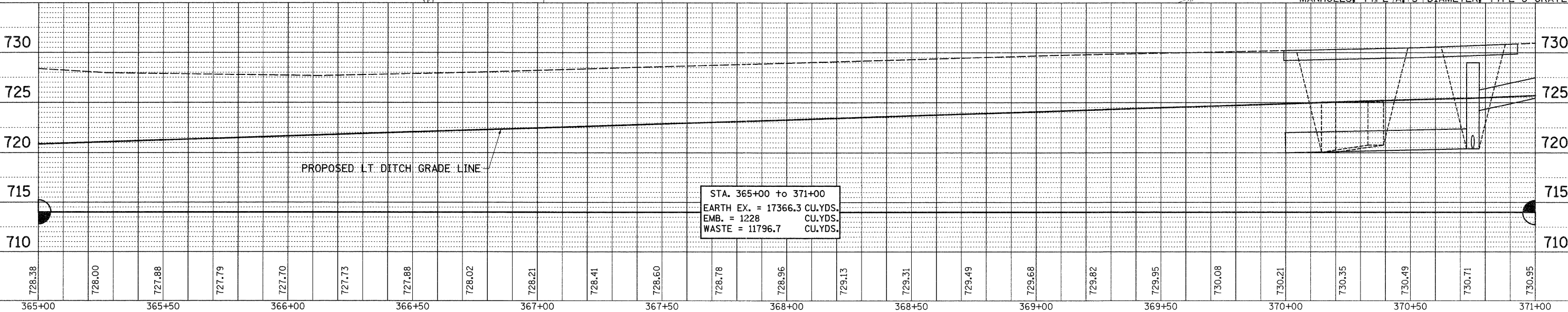
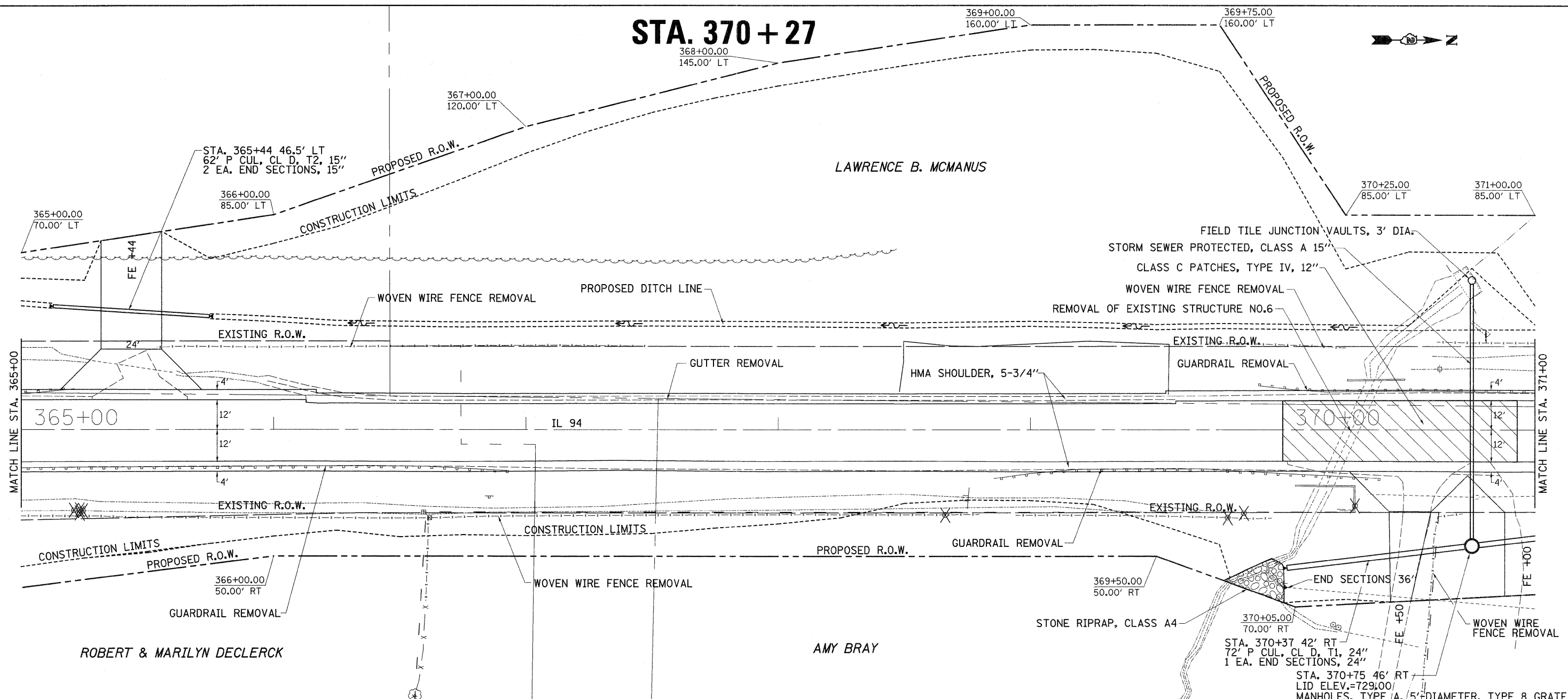
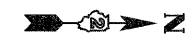
10-Year Velocity through Existing Culvert = _____ fps
 10-Year Velocity through Proposed Culvert = 10.7 fps



STA. 359+00 to 365+00
 EARTH EX. = 7711.9 CU.YDS.
 EMB. = 3576 CU.YDS.
 WASTE = 2207.9 CU.YDS.

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		IL 94 PLAN & PROFILE		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT DATE = Thu Jun 23 08:57:42 2011	DATE -	CHECKED -	REVISED -					CONTRACT NO. 64D72				
								ILLINOIS FED. AID PROJECT				

STA. 370 + 27



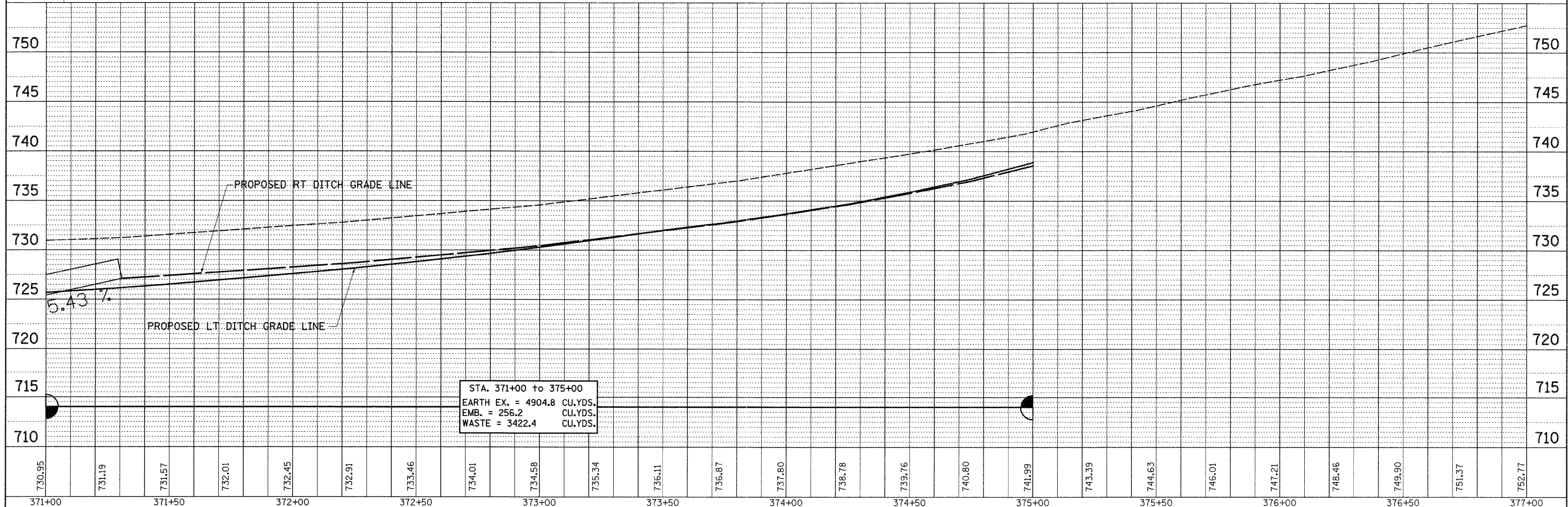
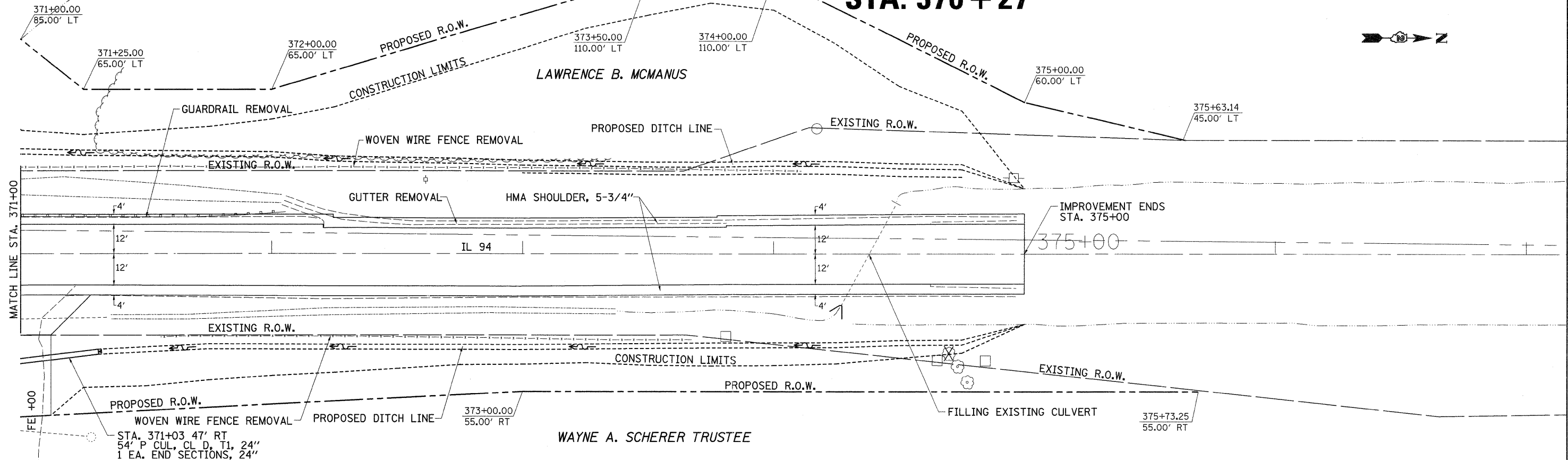
STA. 365+00 to 371+00
 EARTH EX. = 17366.3 CU.YDS.
 EMB. = 1228 CU.YDS.
 WASTE = 11796.7 CU.YDS.

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NOTE BOOK	
NO.	
STRUCTURE NOTATIONS	
CHKD	

DATE	
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NOTE BOOK	
NO.	
STRUCTURE NOTATIONS	
CHKD	

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\p1dot\grantpm\d0184077\021230\shp\plnprf.dgn		DRAWN -	REVISED -			19	20	RS-2	**	231	43
PLOT SCALE = 20.0000' / 1"		CHECKED -	REVISED -			CONTRACT NO. 64072					
PLOT DATE = Thu Jun 23 08:57:45 2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS		STA.	TO STA.		

STA. 370 + 27



PLAN SURVEYED BY DATE
 PLOTTED BY DATE
 CHECKED BY DATE
 NOTE BOOK NO. OF WAY CHECKED
 NO. OF WAY CHECKED
 CAD FILE NAME

PROFILE SURVEYED BY DATE
 PLOTTED BY DATE
 CHECKED BY DATE
 NOTE BOOK NO. OF WAY CHECKED
 NO. OF WAY CHECKED
 STRUCTURE NOTATIONS CHFD

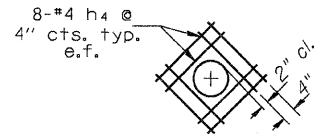
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 94 PLAN & PROFILE	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
cd:\pw-work\pvidot\grantpm\d0184877\021230\pht:plnprf.dgn	PLLOT SCALE = 20.0000' / 1"	DRAWN -	REVISED -			•	(19,20)RS-2	**	231	44
PLLOT DATE = Thu Jun 23 08:57:45 2011	DATE -	CHECKED -	REVISED -			CONTRACT NO. 64D72				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

DROP BOX NO. 1

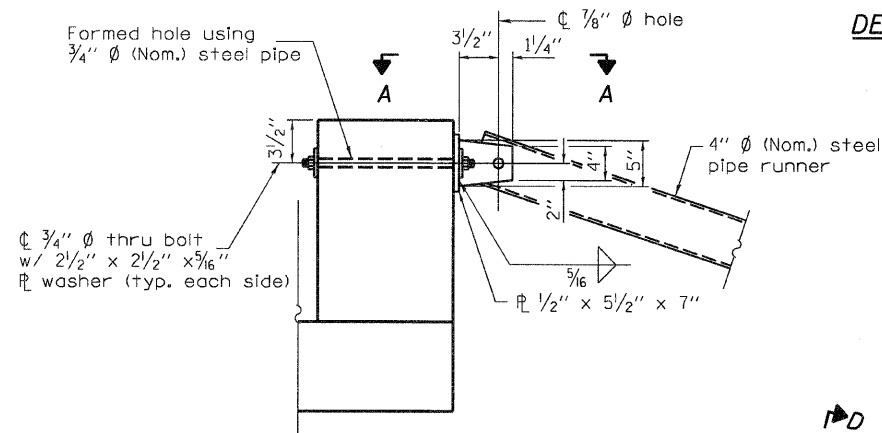
RT STA. 23+03

GENERAL NOTES

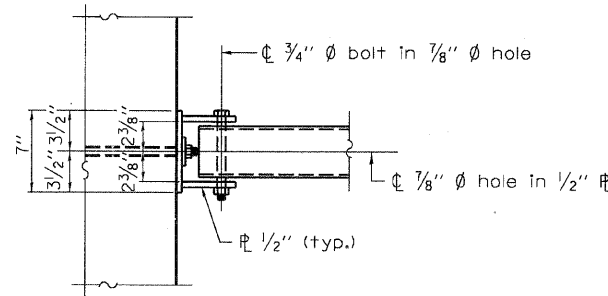
This work shall be paid for at the contract unit price per Each for Drop Box No. 1. This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications. Contractor shall field verify Galvanized pipe length. Exposed edges shall be beveled 3/4". Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted. All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. Fabrication of the steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise. Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B. Anchor rods shall conform to the min. strength requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications, except as shown. Bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications. The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise. Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench. All cost associated with furnishing and installing the steel Pipe Grate system shall be included in the contract unit price of Each for Drop Box No. 1. All excavation/backfilling required for construction of the drop box as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Drop Box No. 1. 12" ϕ & 18" ϕ field tiles will be incorporated into the construction of the drop box wall. See detail. Precast alternate is allowed. See Plan & Profile Sheet for more information. See Cross Section Sheet for more information.



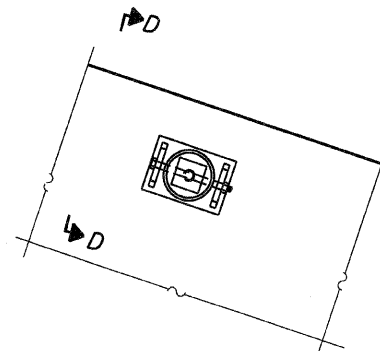
DETAIL FOR FIELD TILE
(Maximum 18" ϕ)



DETAIL A

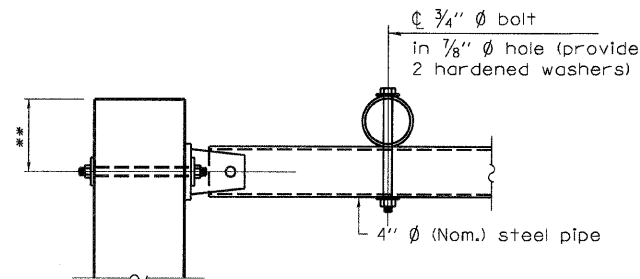


VIEW A-A



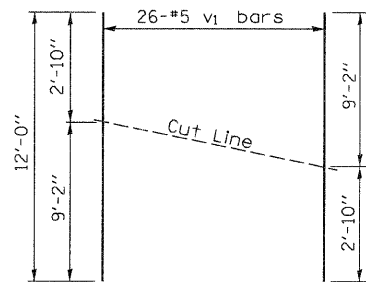
SECTION C-C

(See Detail A for dimensions and details not shown.)



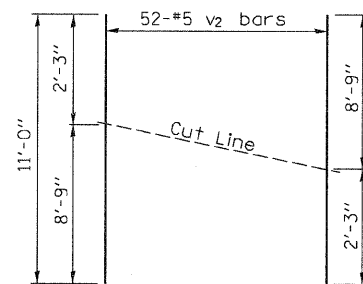
SECTION D-D

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.



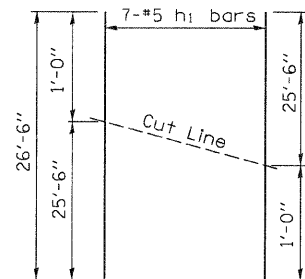
BAR CUTTING DIAGRAM

*Order v1 bars full length. Cut as shown and use remainder of bars in opposite wall.



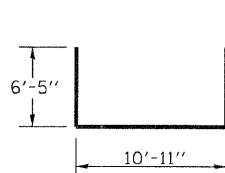
BAR CUTTING DIAGRAM

*Order v2 bars full length. Cut as shown and use remainder of bars in opposite wall.

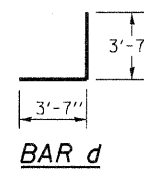


BAR CUTTING DIAGRAM

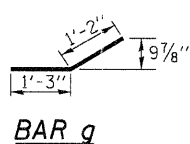
*Order h1 bars full length. Cut as shown and use remainder of bars in opposite face.



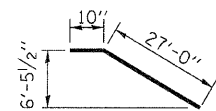
BAR u



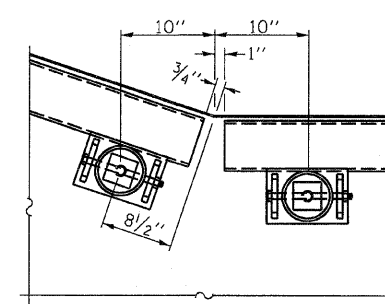
BAR d



BAR g



BAR f1



DETAIL B

BILL OF MATERIAL

(For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE
d	5	140	7'-2"	
f	6	2	10'-11"	
f1	5	4	27'-10"	
g	6	12	2'-5"	
h	5	16	34'-9"	
h1	5	14	26'-6"	
h2	5	24	33'-9"	
h3	5	72	10'-11"	
h4	4	32	2'-10"	
v	5	29	2'-9"	
v1	5	26	12'-0"	
v2	5	52	11'-0"	
u	5	4	23'-9"	
DESCRIPTION		UNIT	QTY.	
CONCRETE STRUCTURES		CU YD	27.9	
REINFORCEMENT BARS		LB	5,040	
DESCRIPTION		UNIT	QTY.	
4" GALVANIZED STEEL PIPE		5e	8'-11"	
		4e	26'-8"	
		4e	6'-8"	
3/4" ϕ GALVANIZED STEEL BOLTS		EACH	20	
*** END ASSEMBLY		EACH	8	
*** SIDE ASSEMBLY		EACH	10	

*** Includes all hardware and steel for Assemblies

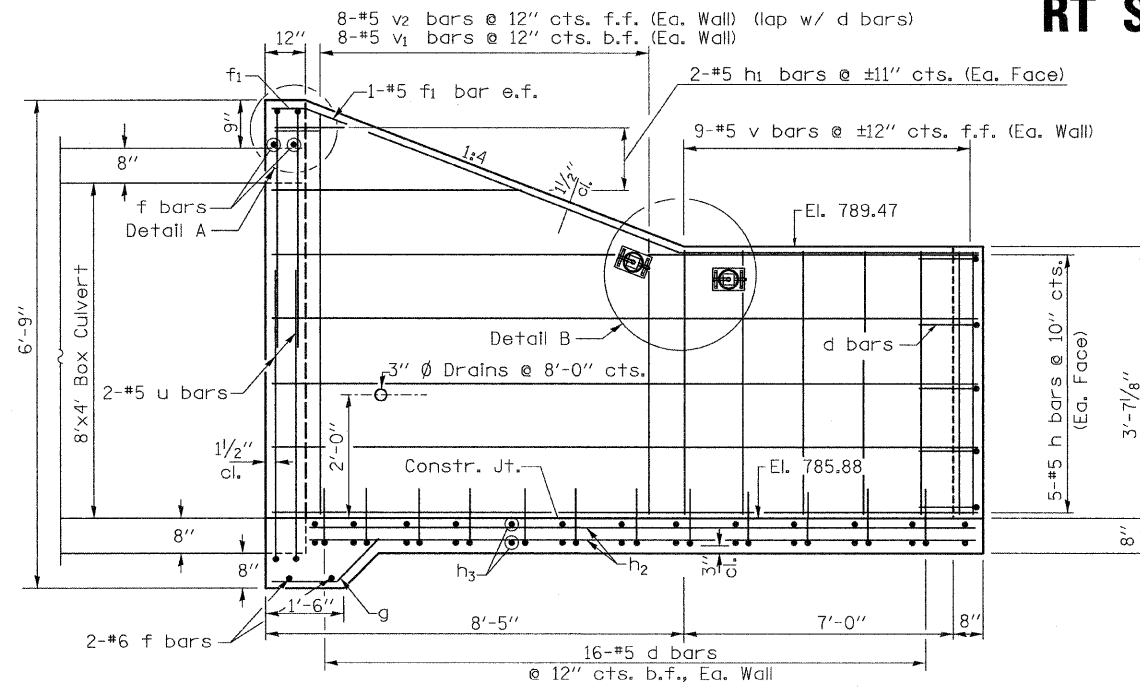
DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

SHEET NO. 2 2 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAS 213	(19,20)RS-2	MERCER	231	46
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 64D72 FED. AID PROJECT		

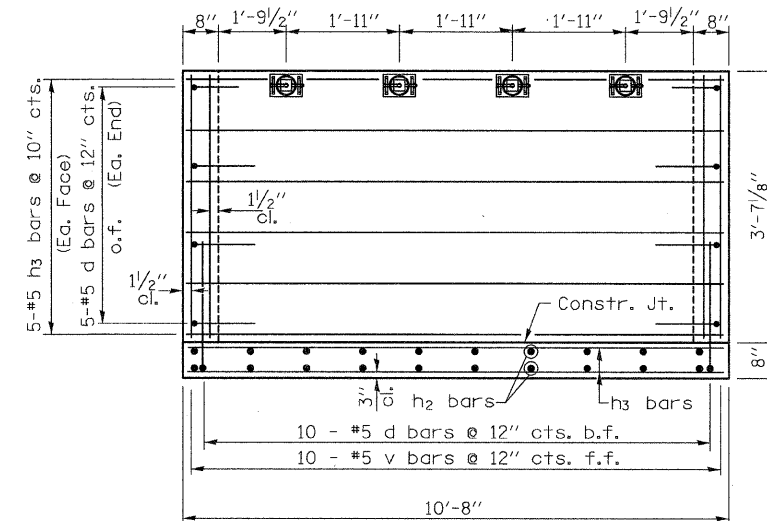
DROP BOX NO. 2

RT STA. 138 + 18

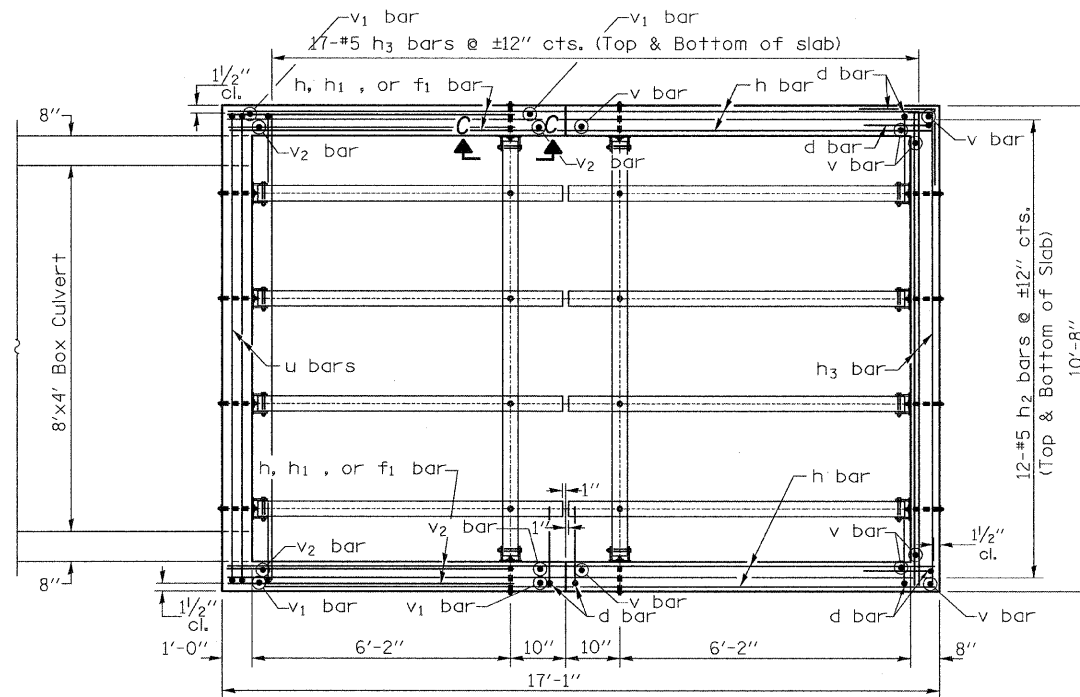
MIN. BAR LAP
#5 bar = 2'-2"



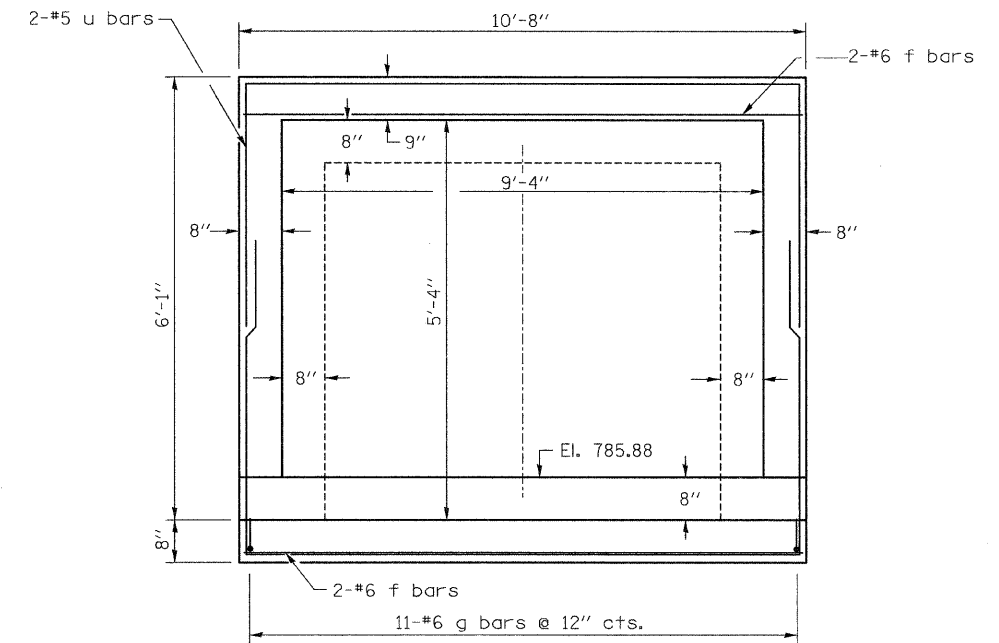
SIDEWALLS



BACK WALL



PLAN



HEADWALL

DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.



Lic. Exp. 11/30/2012

SHEET NO. 1 2 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAS 213	(19,20)RS-2	MERCER	231	47
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 64D72 FED. AID PROJECT		

DROP BOX NO. 2

RT STA. 138 + 18

GENERAL NOTES

This work shall be paid for at the contract unit price per Each for Drop Box No. 2

This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications.

Contractor shall field verify Galvanized pipe length
Exposed edges shall be beveled 3/4".

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60

All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.

All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

Fabrication of the steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.

Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.

Anchor rods shall conform to the min. strength requirements of ASTM F1554, Grade 105.

Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications, except as shown.

Bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications.

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise.

Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.

All cost associated with furnishing and installing the steel Pipe Grate system shall be included in the contract unit price of Each for Drop Box No. 2

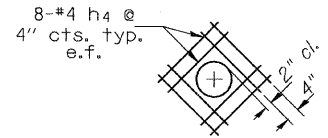
All excavation/backfilling required for construction of the box culvert as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Drop Box No. 2.

6" ϕ , 6" ϕ , & 8" ϕ field tiles will be incorporated into the construction of the drop box wall. See detail.

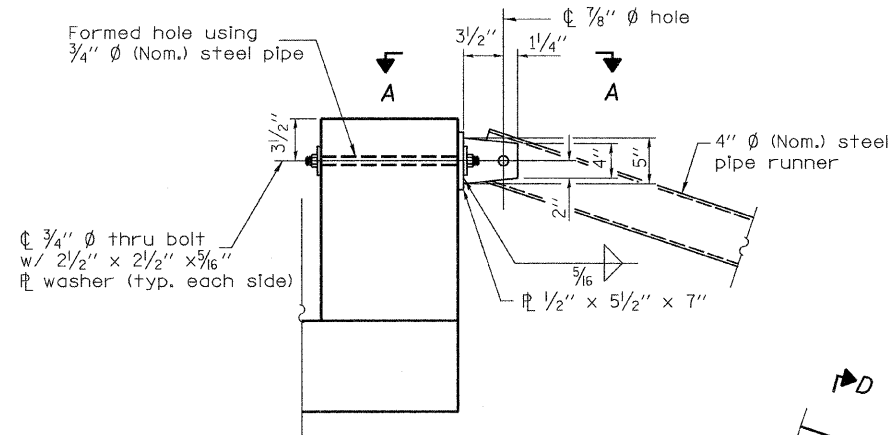
Precast alternate is allowed.

See Plan & Profile Sheet for more information.

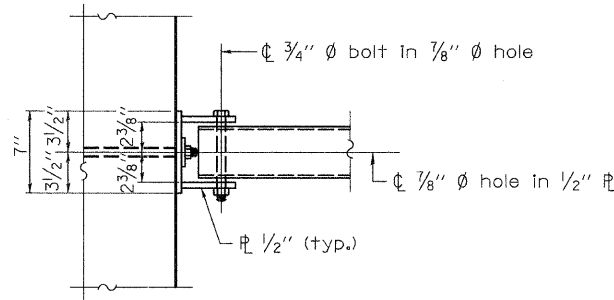
See Cross Section Sheet for more information.



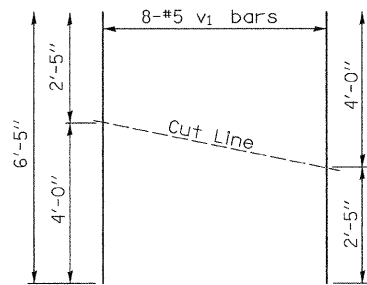
DETAIL FOR FIELD TILE
(Maximum 8" ϕ)



DETAIL A

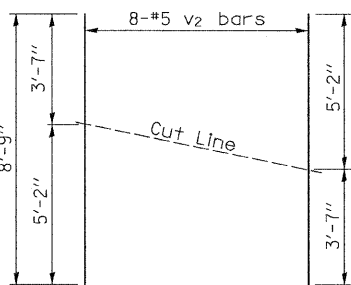


VIEW A-A



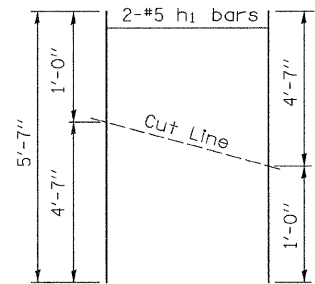
BAR CUTTING DIAGRAM

*Order v1 bars full length. Cut as shown and use remainder of bars in opposite wall.



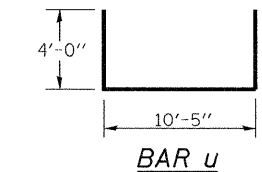
BAR CUTTING DIAGRAM

*Order v2 bars full length. Cut as shown and use remainder of bars in opposite wall.

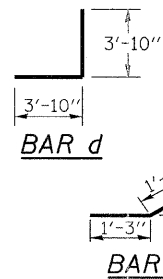


BAR CUTTING DIAGRAM

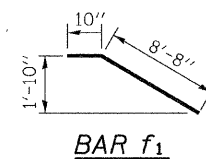
*Order h1 bars full length. Cut as shown and use remainder of bars in opposite face.



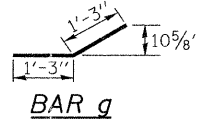
BAR u



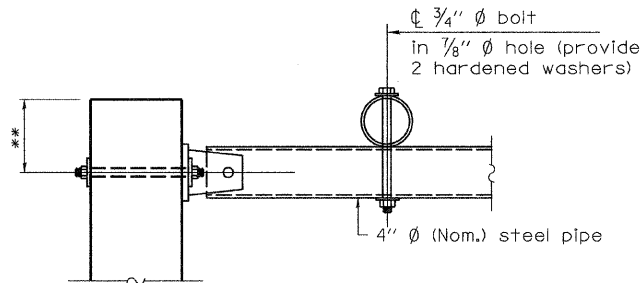
BAR d



BAR f1

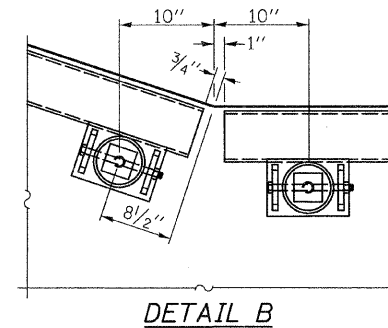


BAR g



SECTION D-D

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.



DETAIL B

BILL OF MATERIAL

(For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE
d	5	52	7'-8"	
f	6	4	10'-5"	
f1	5	4	9'-6"	
g	6	11	2'-6"	
h	5	20	16'-10"	
h1	5	4	5'-7"	
h2	5	24	15'-10"	
h3	5	34	10'-5"	
h4	4	48	2'-0"	
v	5	30	3'-4"	
v1	5	8	6'-5"	
v2	5	8	8'-9"	
u	5	4	18'-5"	

DESCRIPTION	UNIT	QTY
CONCRETE STRUCTURES	CU YD	9.3
REINFORCEMENT BARS	LB	2,070
DESCRIPTION	UNIT	QTY.
4" GALVANIZED STEEL PIPE	2e	9'-2"
	4e	6'-8"
	4e	7'-3"
3/4" ϕ GALVANIZED STEEL BOLTS	EACH	8
*** END ASSEMBLY	EACH	8
*** SIDE ASSEMBLY	EACH	4

*** Includes all hardware and steel for Assemblies

DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

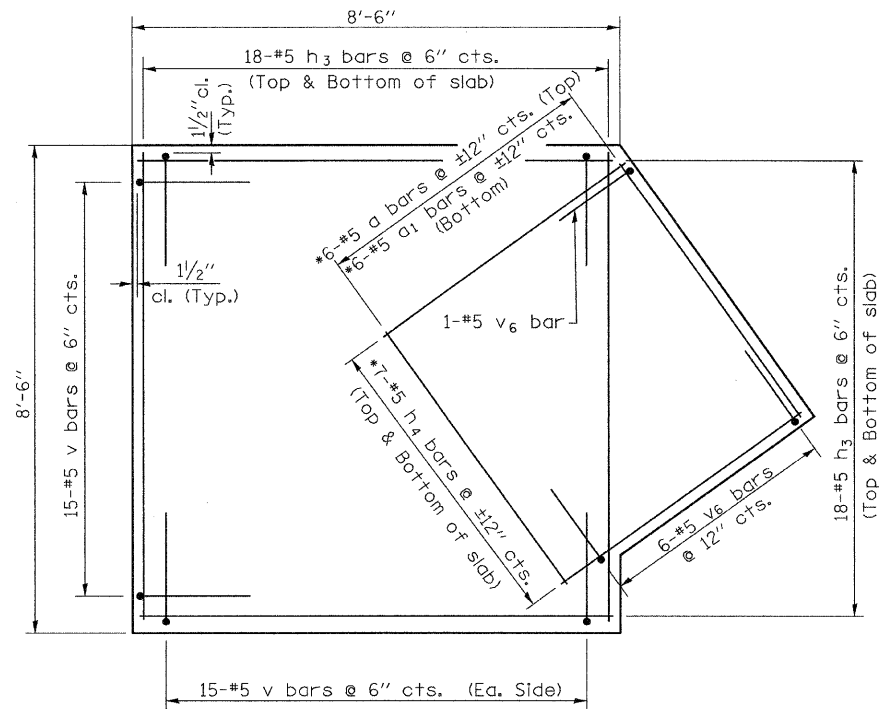
SHEET NO. 2 2 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAS 213	(19,20)RS-2	MERCER	231	48
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 64D72 FED. AID PROJECT		

DROP BOX NO. 3

LT STA. 304 + 93

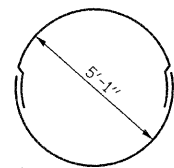
GENERAL NOTES

This work shall be paid for at the contract unit price per Each for Drop Box No. 3. This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications. Contractor shall field verify Galvanized pipe length. Exposed edges shall be beveled 3/4". Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted. All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. Fabrication of the steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise. Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B. Anchor rods shall conform to the min. strength requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications, except as shown. Bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications. The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise. Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench. All cost associated with furnishing and installing the steel Pipe Grate system shall be included in the contract unit price of Each for Drop Box No. 3. All excavation/backfilling required for construction of the drop box as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Drop Box No. 3. 10" Ø field tile will be incorporated into the drop box wall. See detail. See Plan & Profile Sheet for more information. See Cross Section Sheet for more information. Precast alternate is allowed. 10" Ø field tile shall be incorporated into the construction of the drop box wall, see detail.

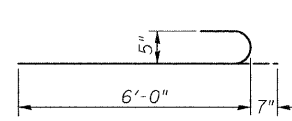


BOTTOM SLAB

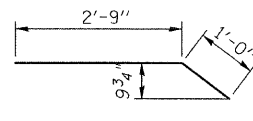
* Bend to fit top of slab bars around RC Pipe



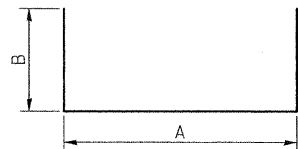
BAR h5 (PAIR)



BAR a

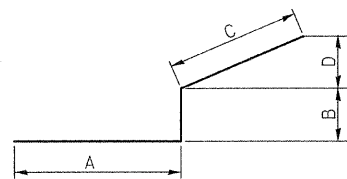


BAR h1



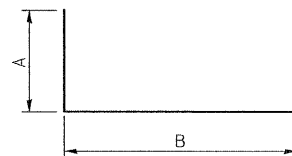
BAR	A	B
h bar	7'-9"	5'-0"
h2 bar	7'-3"	2'-7"

BARS h & h2



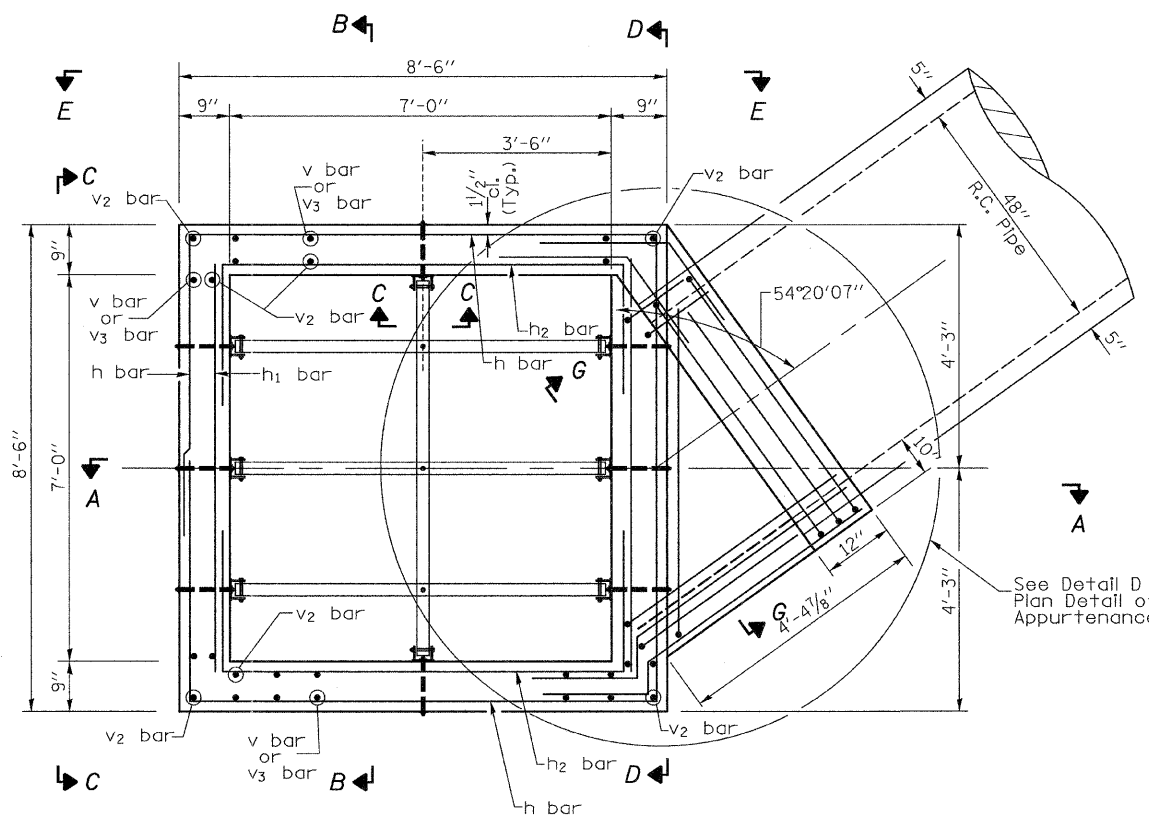
BAR	A	B	C	D
h8 bar	2'-3"	9"	4'-6"	2'-7 3/4"
h9 bar	2'-3"	8 1/2"	4'-3 1/2"	2'-6 1/2"

BARS h8 & h9



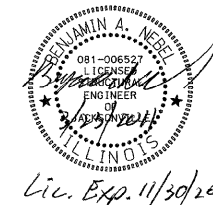
BAR	A	B
v Bar	2'-7"	5'-4"
v4 Bar	4'-4"	4'-1"
v5 Bar	2'-5"	4'-11"
v6 Bar	5'-4"	2'-2"

BARS v, v4, v5, & v6



PLAN

Cut pipe to fit in field.



BILL OF MATERIAL

(For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE
a	5	12	6'-7"	
a1	5	12	6'-0"	
h	5	20	17'-9"	
h1	5	20	7'-3"	
h2	5	20	12'-5"	
h3	5	72	8'-3"	
h4	5	14	4'-11"	
h5	6	4	10'-7"	
h6	4	16	2'-2"	
h7	5	12	3'-9"	
h8	5	6	7'-5"	
h9	5	6	7'-3"	
h10	5	24	1'-6"	
v	5	45	7'-11"	
v2	5	28	8'-1"	
v3	5	24	5'-9"	
v4	5	8	8'-5"	
v5	5	8	7'-4"	
v6	5	7	7'-6"	
v7	5	6	4'-7"	
v8	5	8	3'-3"	

DESCRIPTION	UNIT	QTY
Concrete Box Culverts	CU YD	9.4
Reinforcement Bars	LB	2,890
DESCRIPTION	UNIT	QTY.
4" GALVANIZED STEEL PIPE	4@	6'-9"
3/4" Ø GALVANIZED STEEL BOLTS	EACH	3
*** END ASSEMBLY	EACH	6
*** SIDE ASSEMBLY	EACH	2

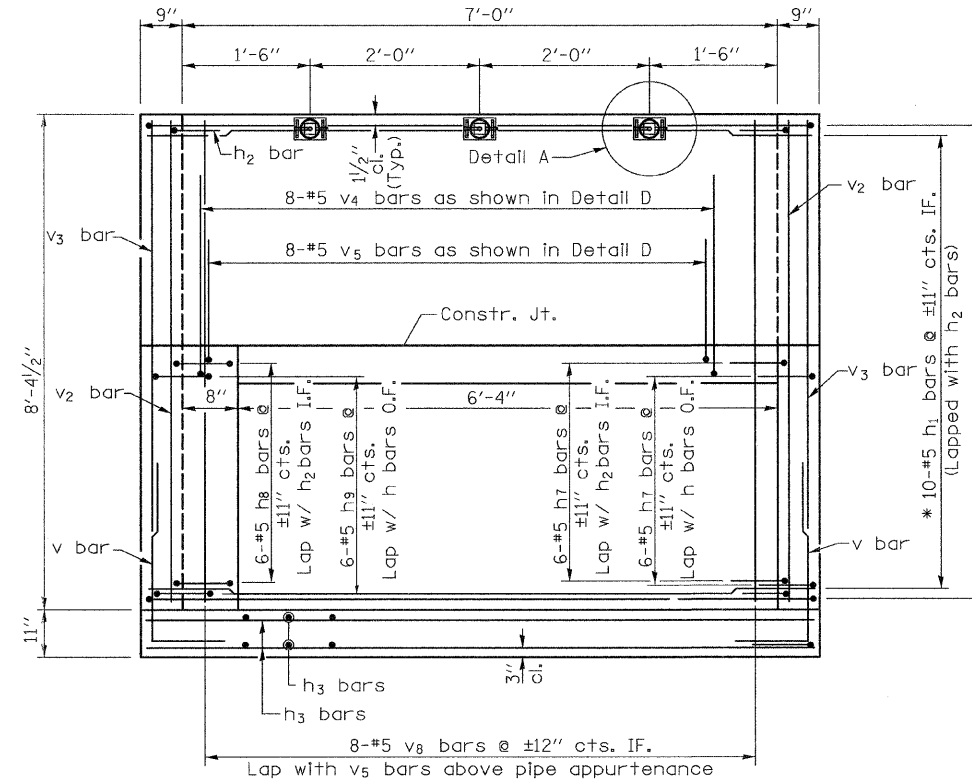
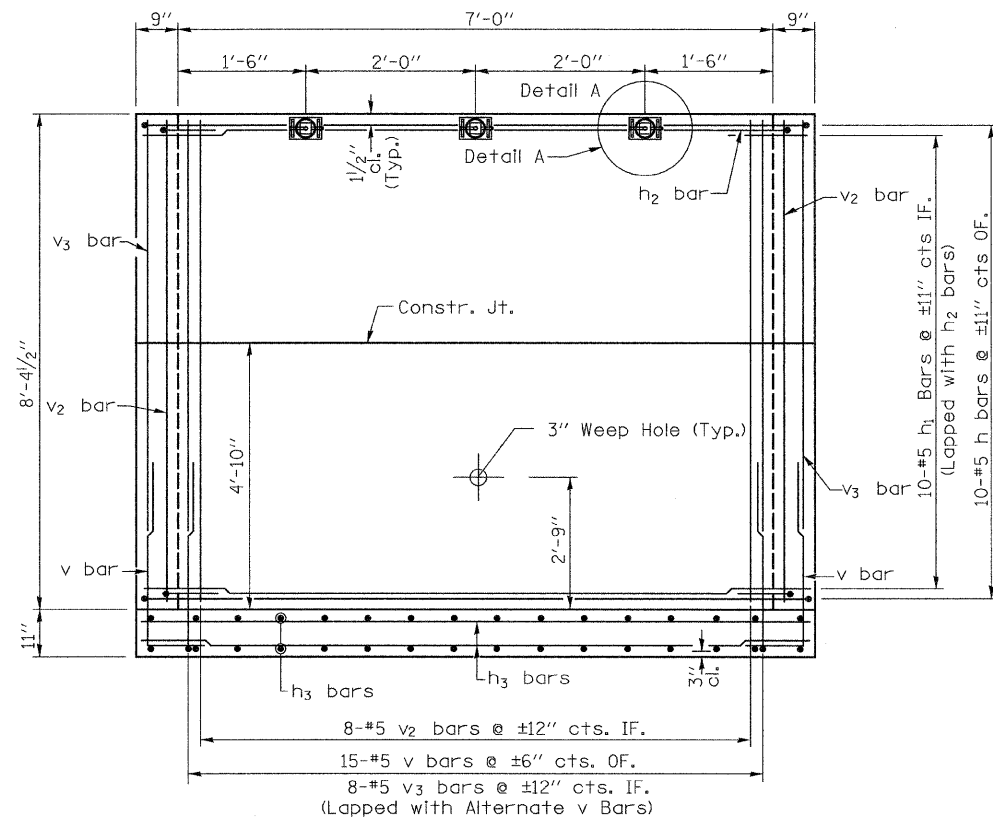
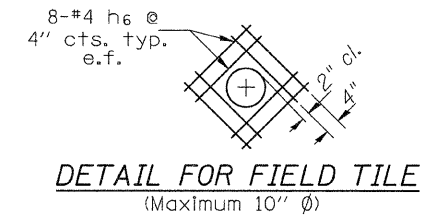
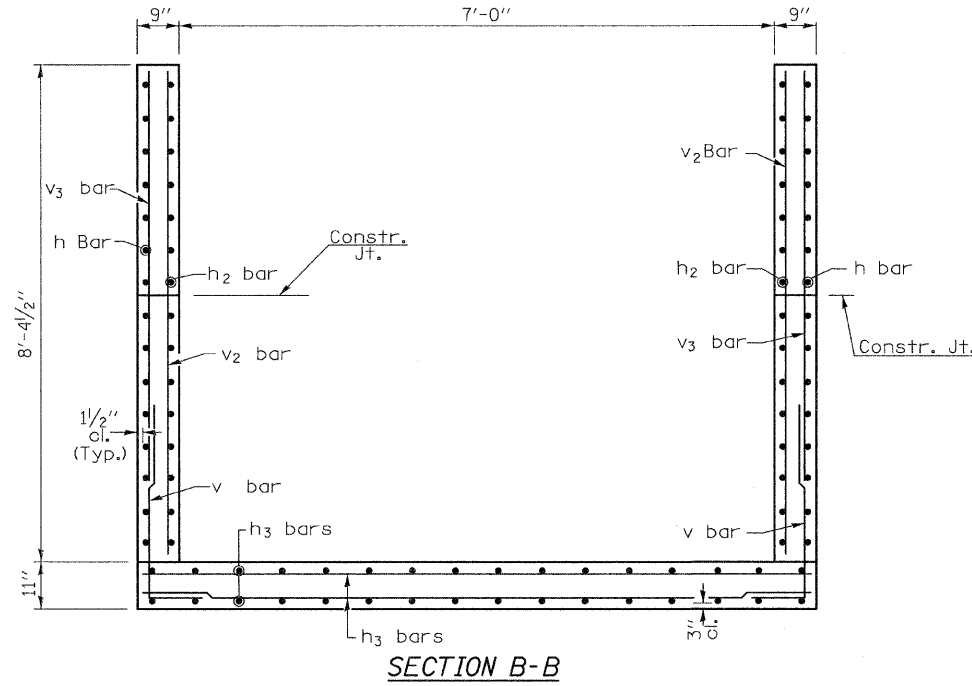
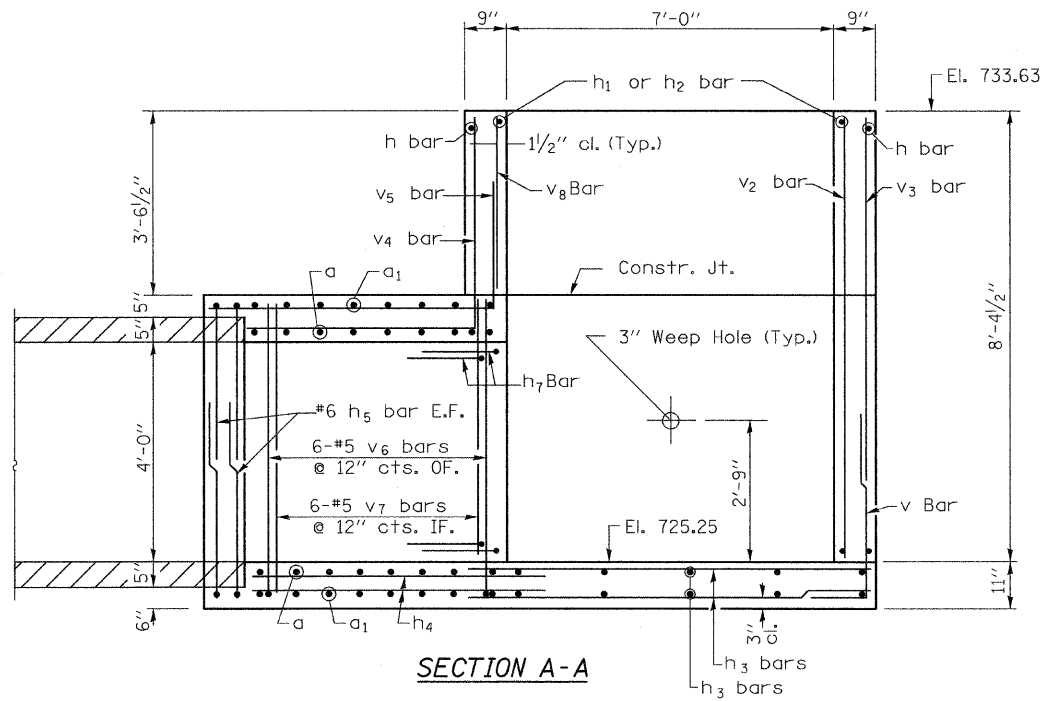
*** Includes all hardware and steel for Assemblies

DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

SHEET NO. 1	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
3 SHEETS	FAS 221	(19,20)RS-2	ROCK ISLAND	231	49
			CONTRACT NO. 64D72		
FED. ROAD DIST. NO. 7 ILLINOIS			FED. AID PROJECT		

DROP BOX NO. 3

LT STA. 304 + 93



*Cut Bars to fit around Pipe Appurtenance.

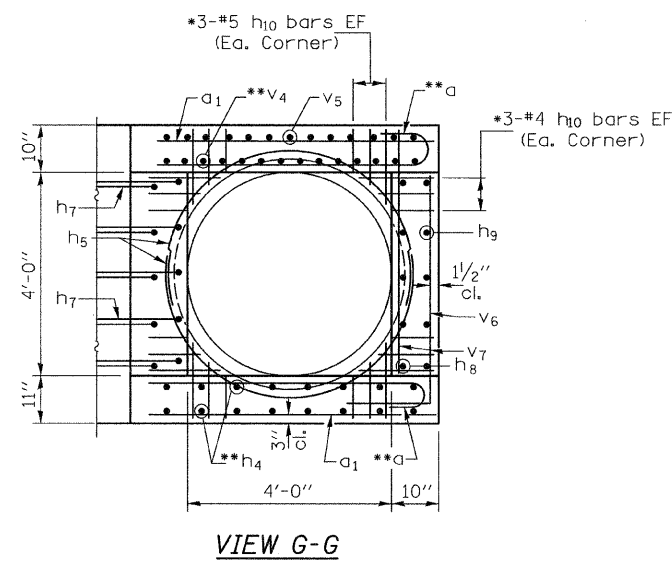
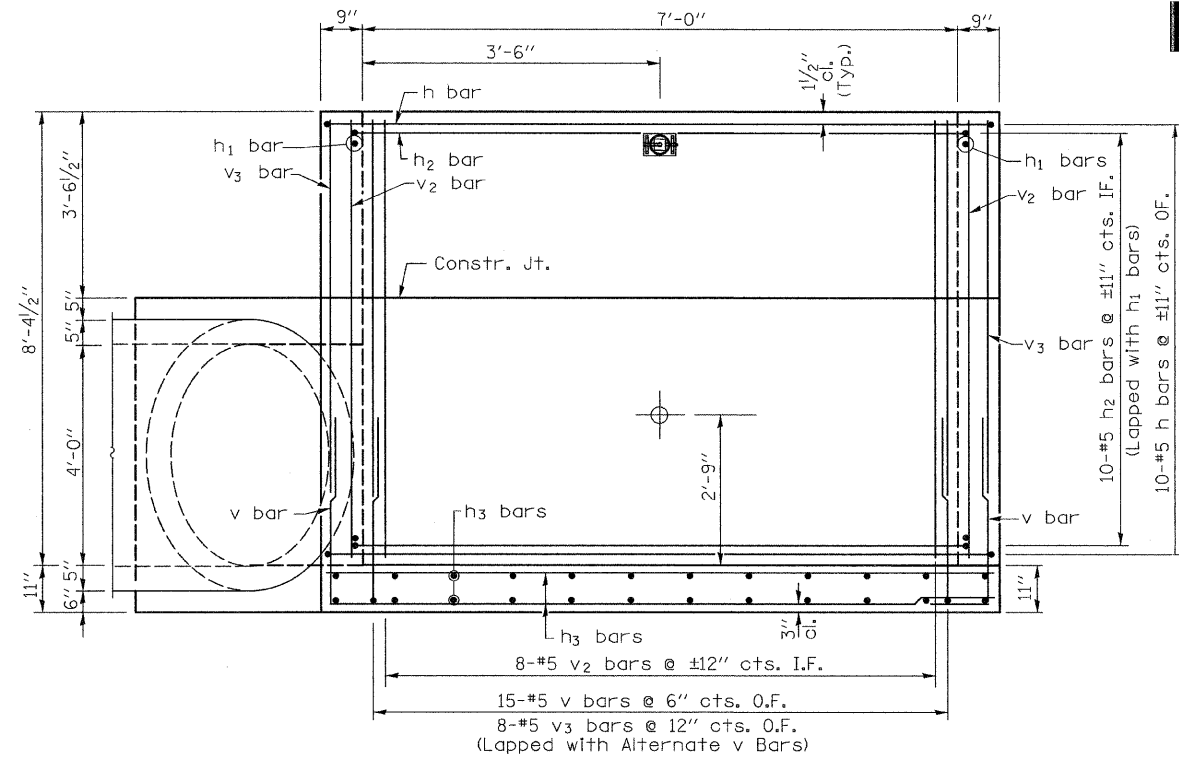
DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

2244/2244-27/Drop Box #3

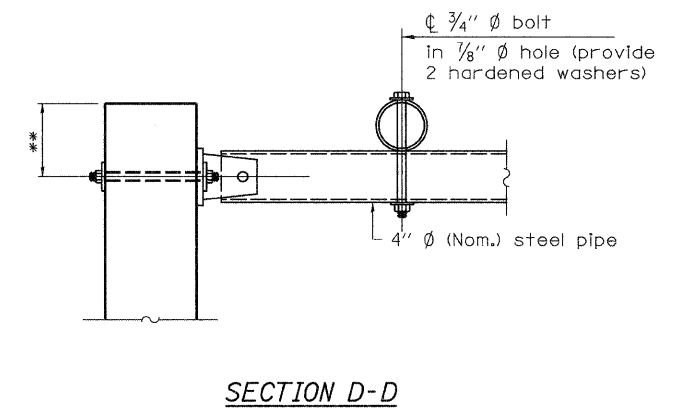
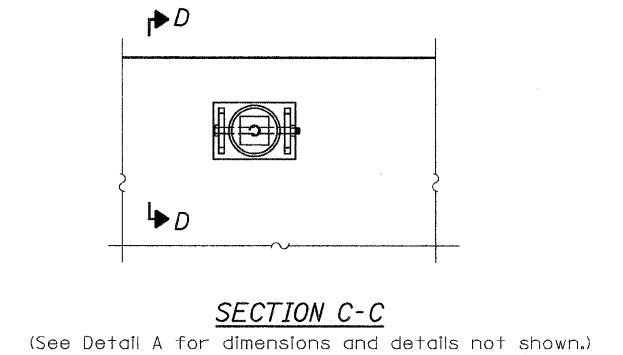
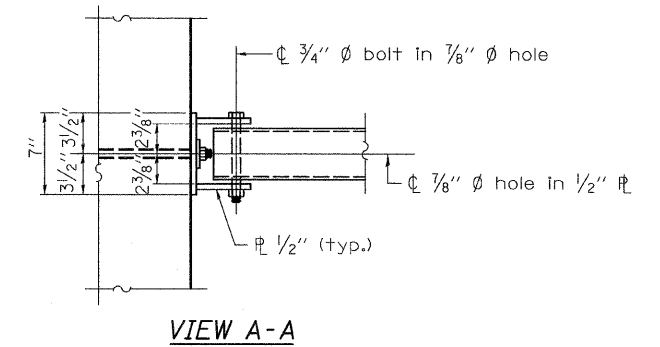
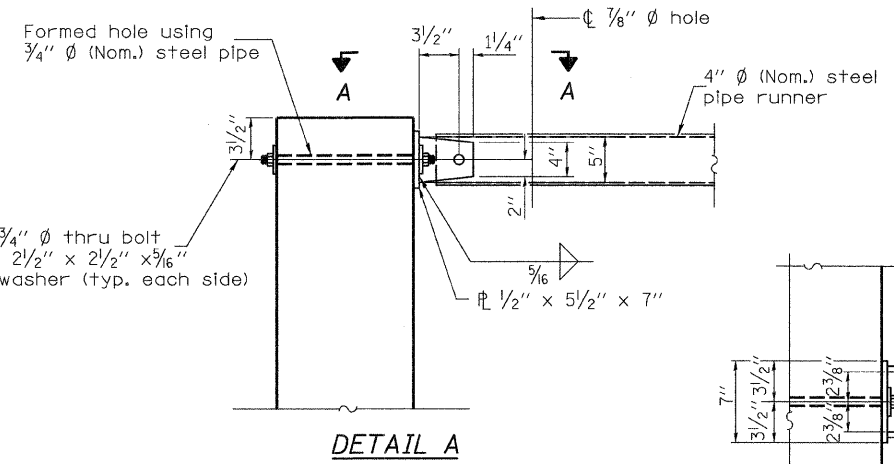
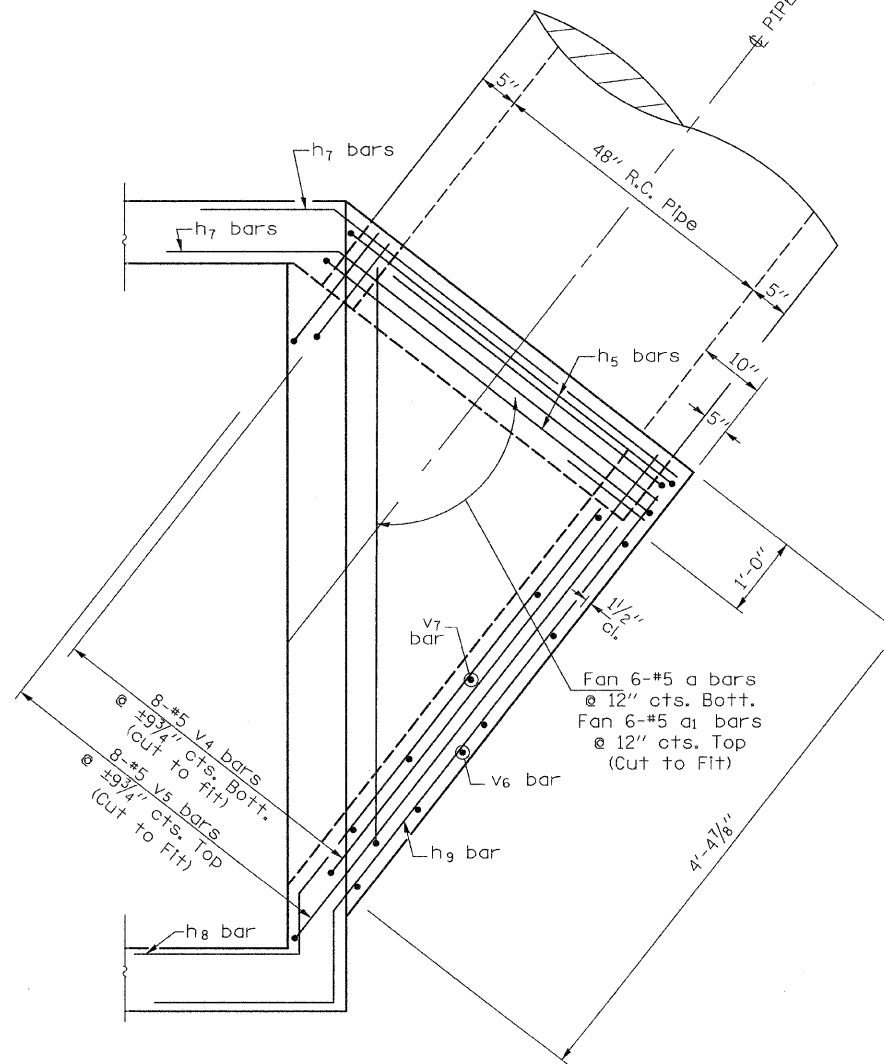
SHEET NO. 2 3 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAS 221	(19,20)RS-2	ROCK ISLAND	231	50
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 64D72 FED. AID PROJECT		

DROP BOX NO. 3

LT STA. 304 + 93



*Cut Bars to fit around Pipe
**Bend to fit around pipe.



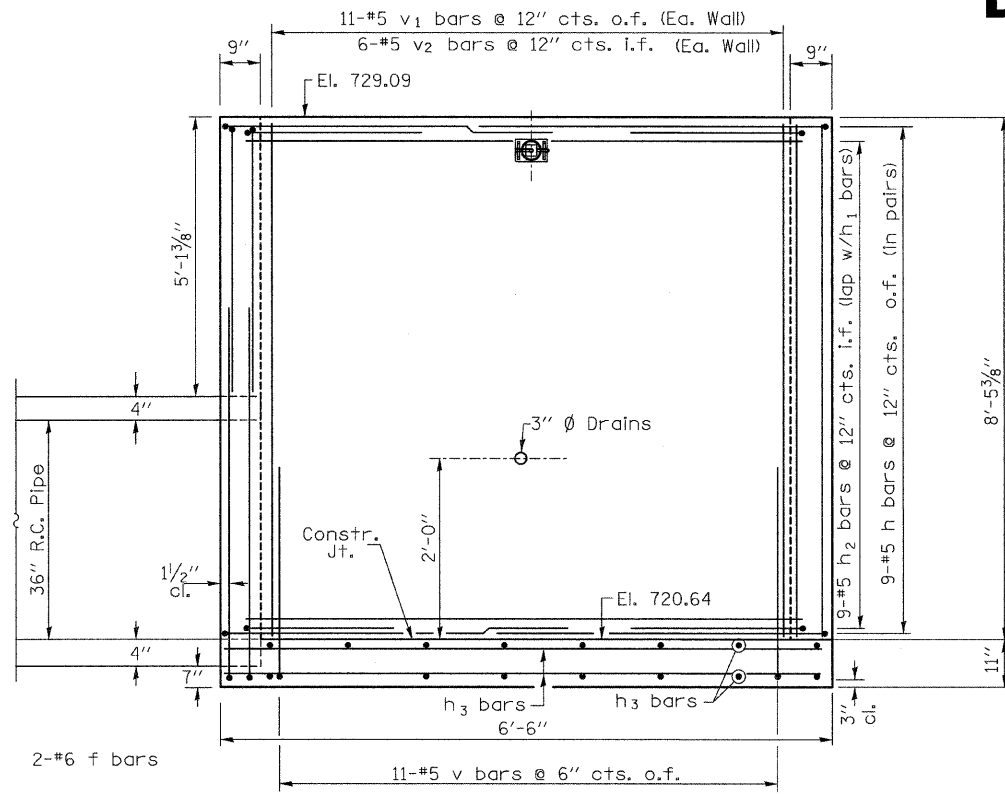
** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

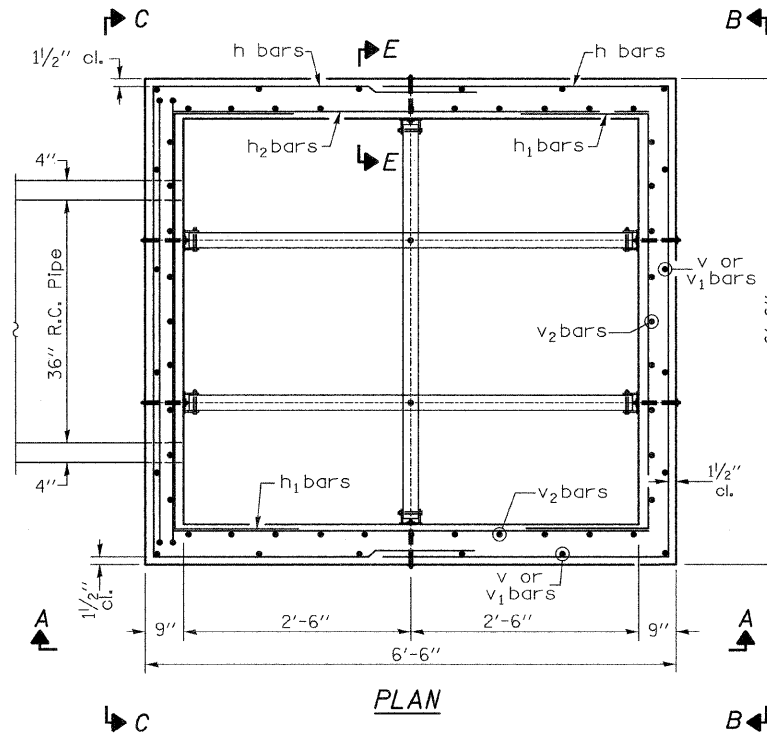
SHEET NO. 3 3 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAS 221	(19,20)RS-2	ROCK ISLAND	231	51
	FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 64D72 FED. AID PROJECT	

DROP BOX NO. 4

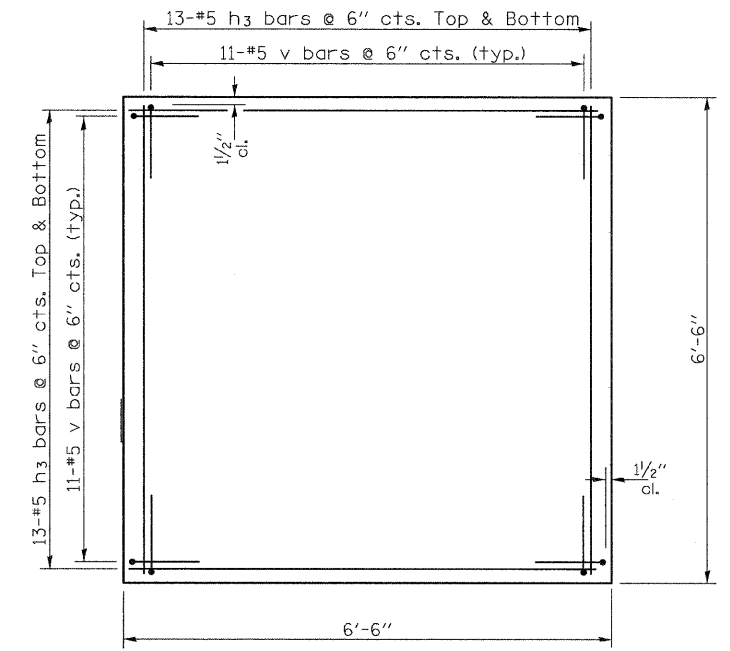
RT STA. 323 + 50



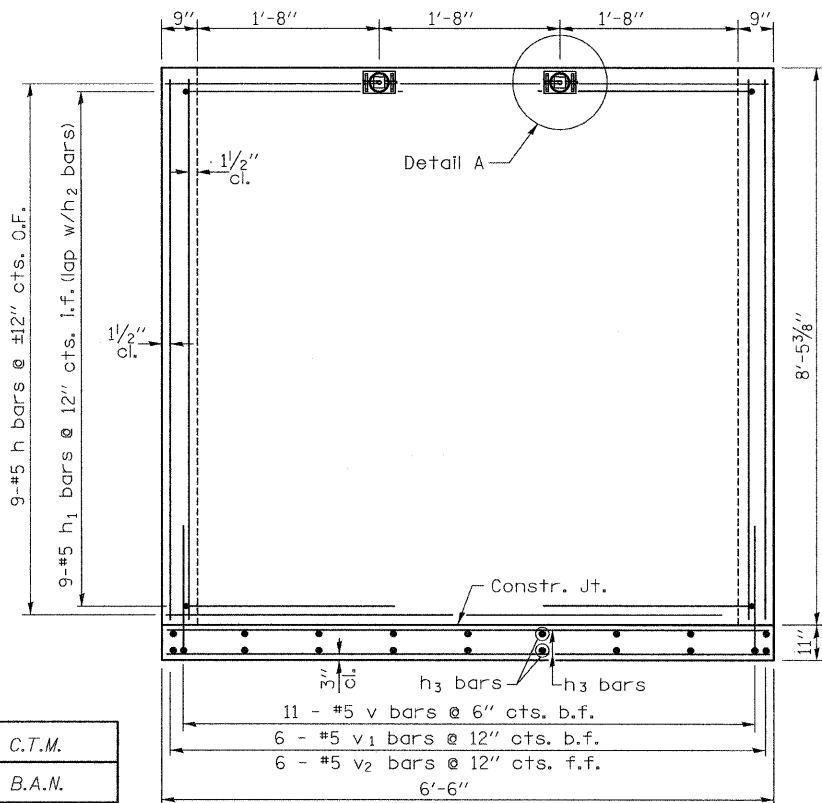
VIEW A-A
(Opposite Wall Similar)



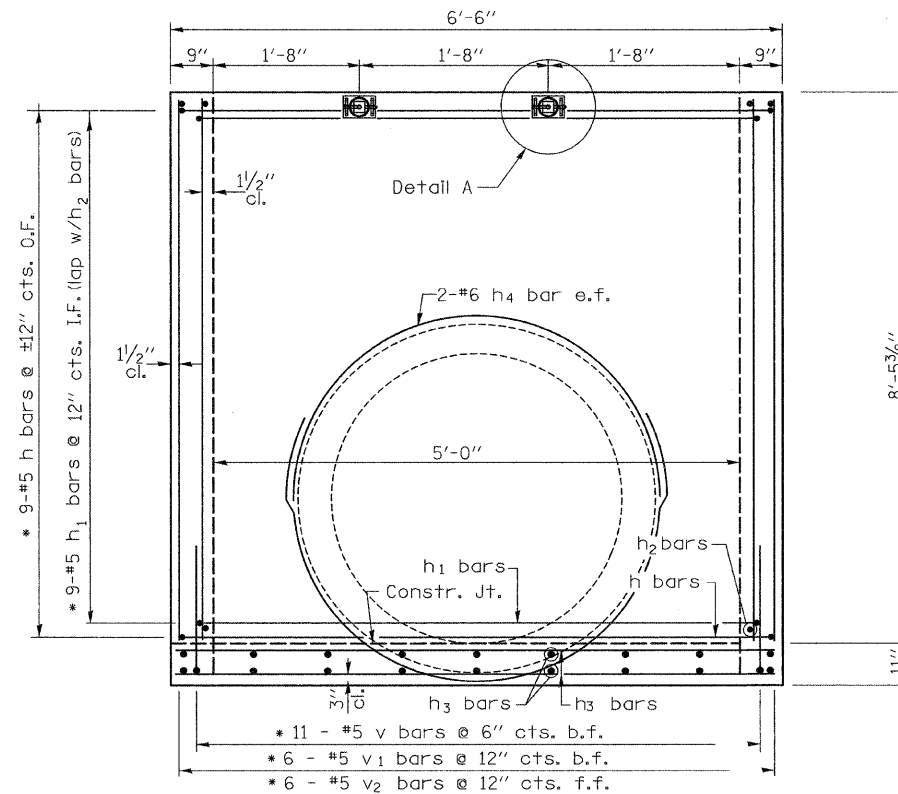
PLAN



BOTTOM SLAB



VIEW B-B

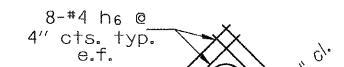


SECTION C-C

*Cut Bars to fit around Pipe

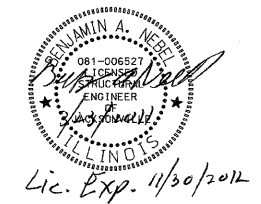
MIN. BAR LAP

- #5 = 2'-2"
- #6 = 2'-7"



DETAIL FOR FIELD TILE

(Maximum 10" Ø)



DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

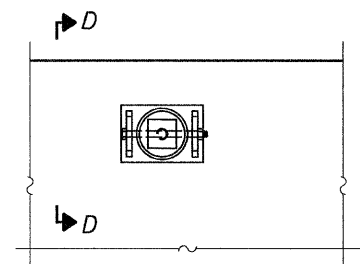
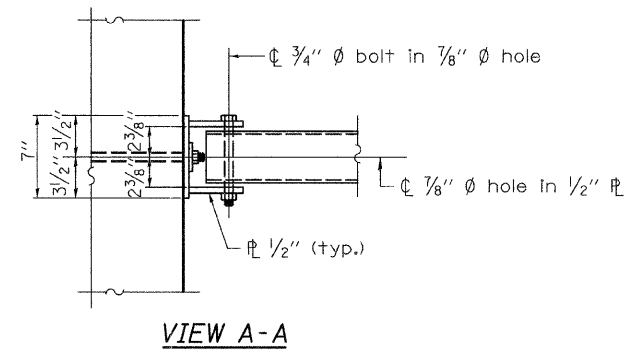
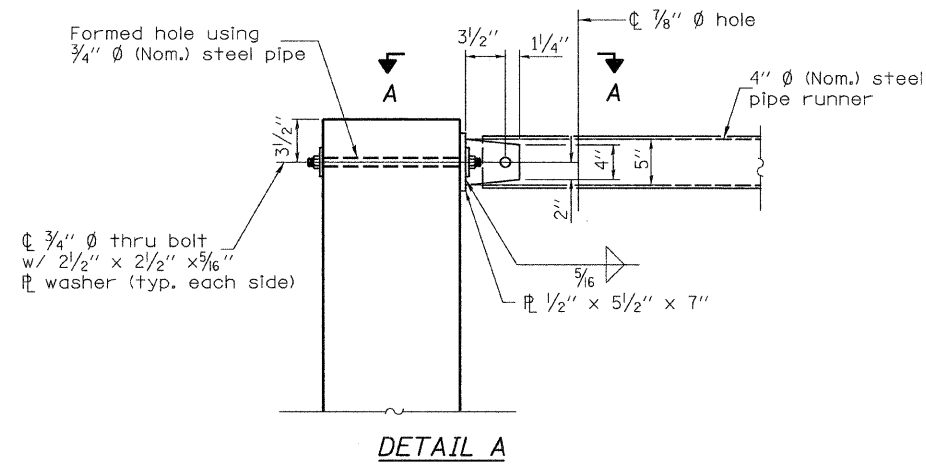
2244-27c001

SHEET NO. 1 2 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAS 221	(19,20)RS-2	ROCK ISLAND	231	52
FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 64D72 FED. AID PROJECT		

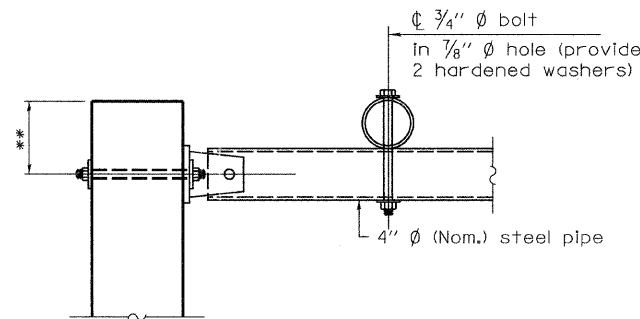
DROP BOX NO. 4 RT STA. 323 + 50

GENERAL NOTES

This work shall be paid for at the contract unit price per Each for Drop Box No. 4. This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications. Contractor shall field verify Galvanized pipe length. Exposed edges shall be beveled 3/4". Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted. All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. Fabrication of the steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise. Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B. Anchor rods shall conform to the min. strength requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications, except as shown. Bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications. The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise. Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench. All cost associated with furnishing and installing the steel Pipe Grate system shall be included in the contract unit price of Each for Drop Box No. 4. All excavation/backfilling required for construction of the drop box as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Drop Box No. 4. 12" Ø & 18" Ø field tiles will be incorporated into the construction of the drop box wall. See detail. See Plan & Profile Sheet for more information. See Cross Section Sheet for more information. Precast alternate is allowed.



SECTION C-C
(See Detail A for dimensions and details not shown.)



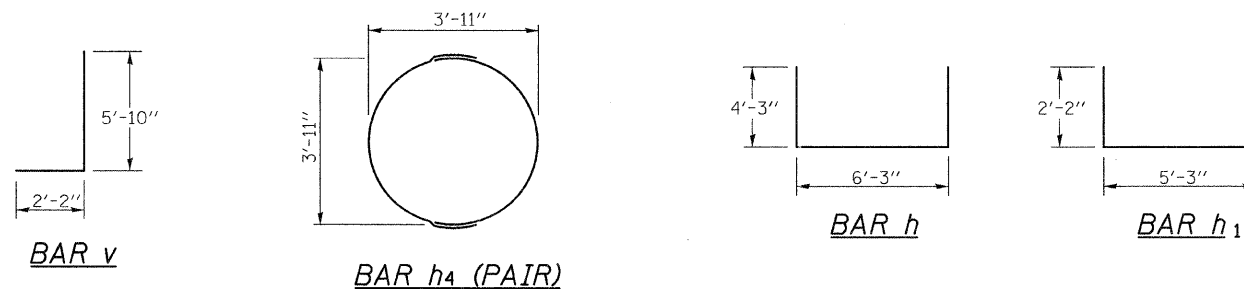
SECTION D-D

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

BILL OF MATERIAL (For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE	
h	5	18	14'-9"		
h1	5	18	9'-7"		
h2	5	18	5'-3"		
h4	5	4	8'-9"		
h6	4	16	2'-2"		
v	5	44	8'-0"		
v1	5	29	6'-6"		
v2	5	28	8'-2"		
DESCRIPTION			UNIT	QTY	
CONCRETE STRUCTURES			CU YD	6.8	
REINFORCEMENT BARS			LB	1,760	
DESCRIPTION				UNIT	QTY.
4" GALVANIZED STEEL PIPE				3@	4'-9"
3/4" Ø GALVANIZED STEEL BOLTS				EACH	2
*** END ASSEMBLY				EACH	4
*** SIDE ASSEMBLY				EACH	2

*** Includes all hardware and steel for Assemblies

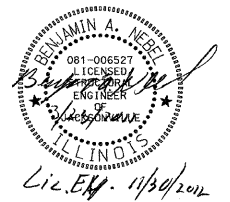
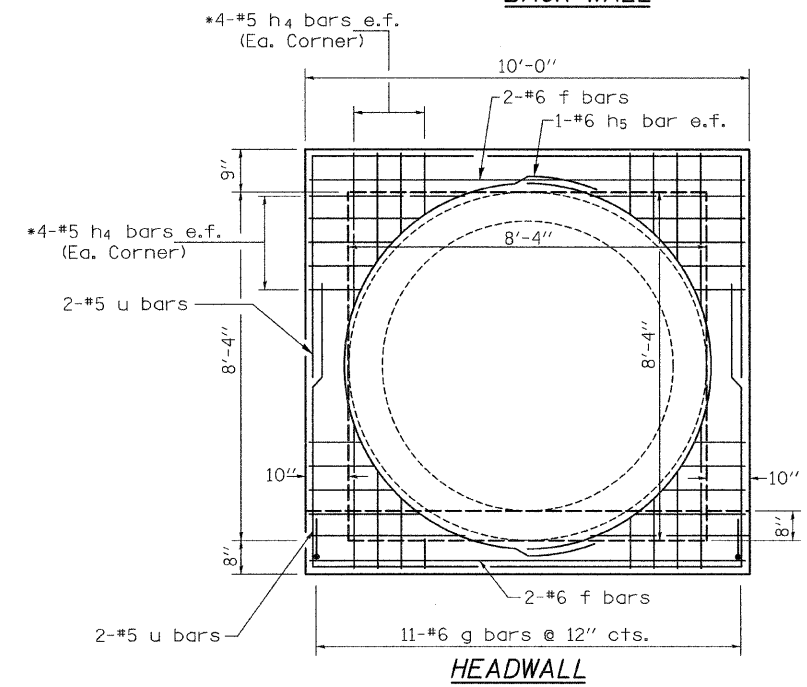
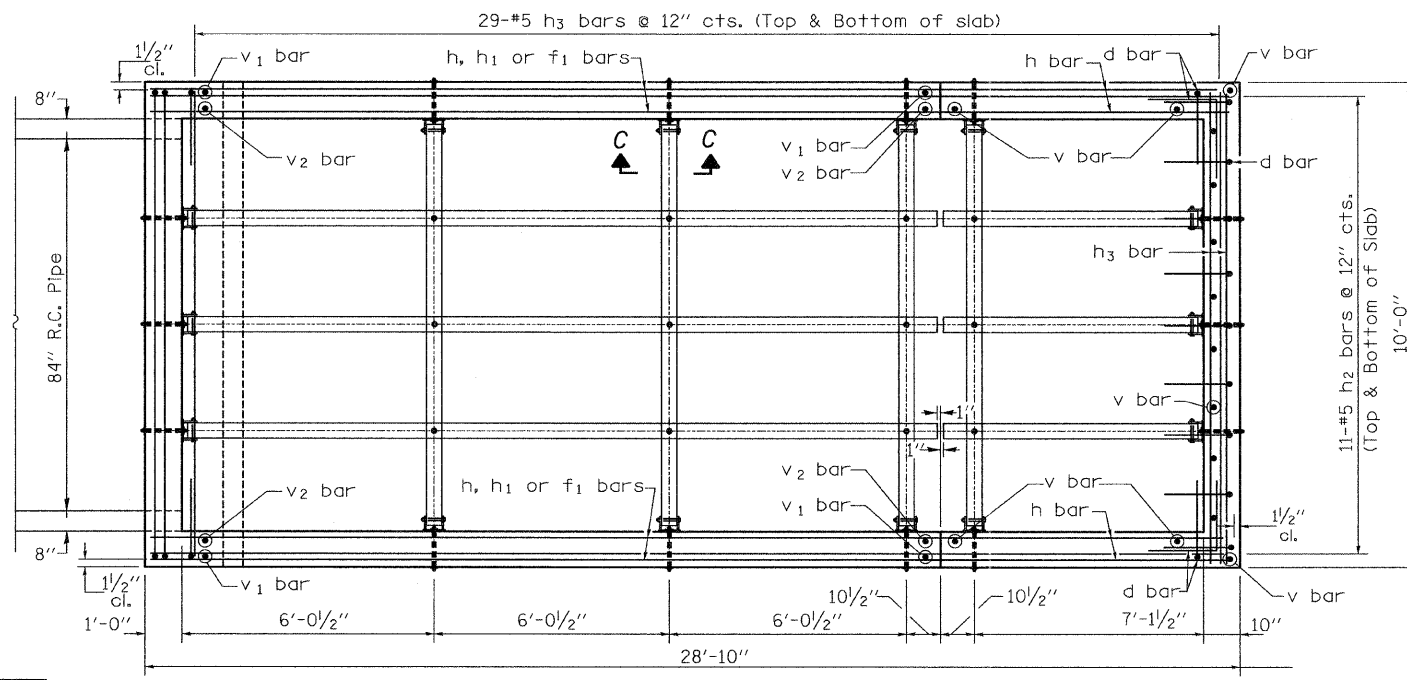
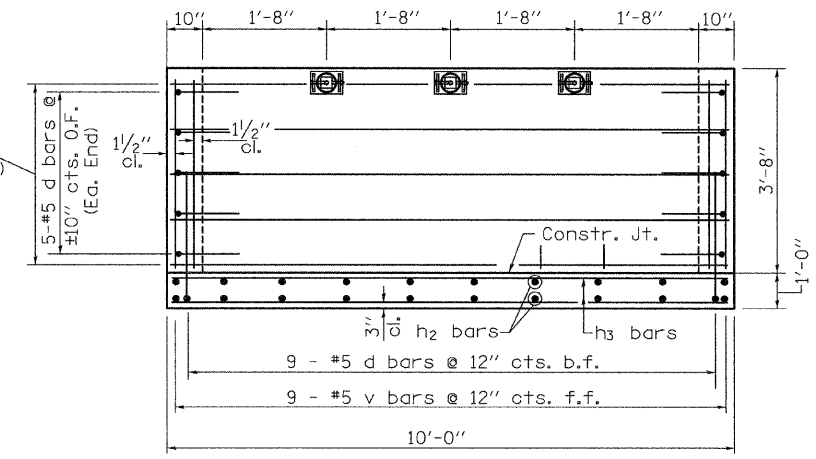
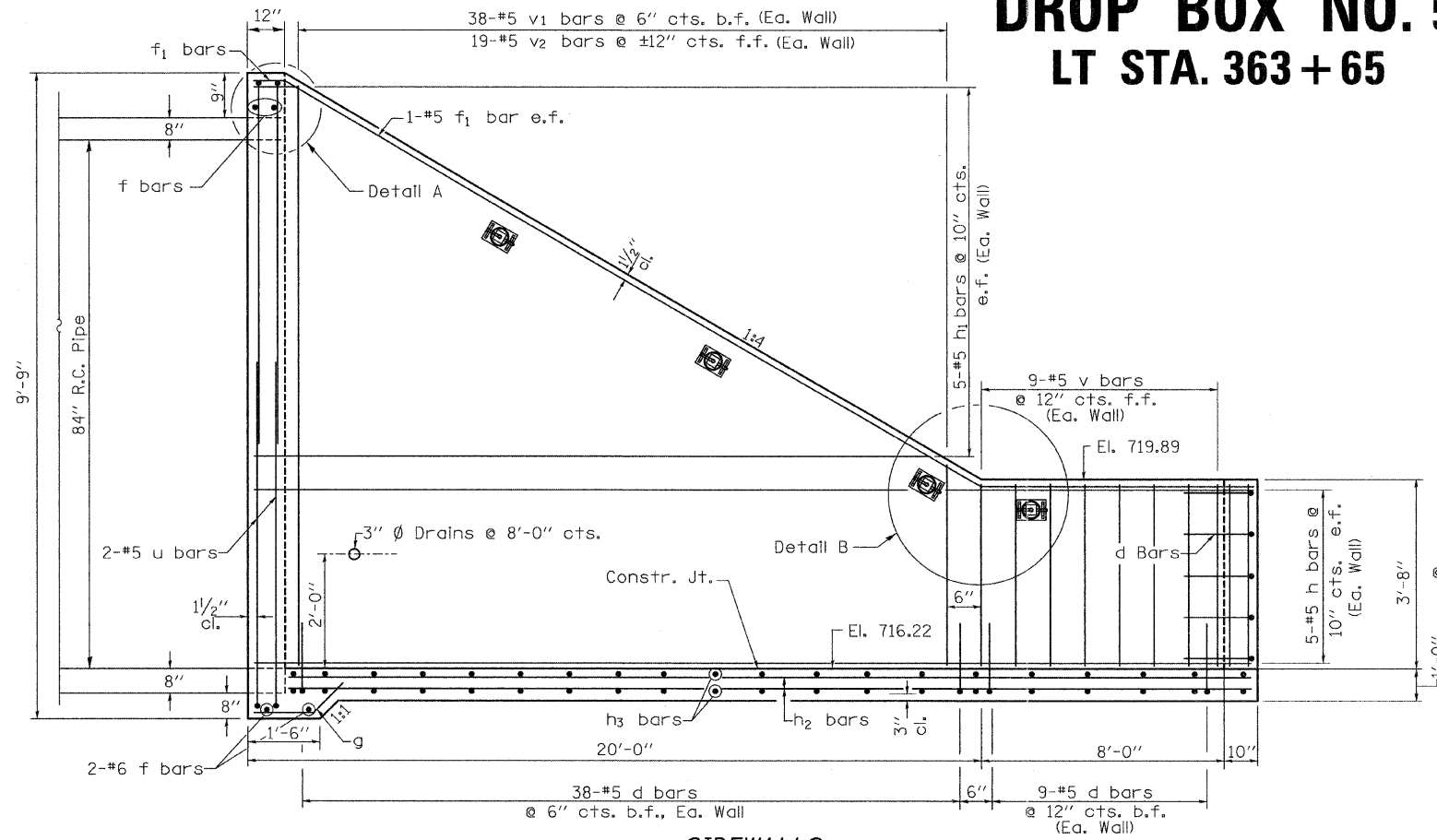


DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

SHEET NO. 2 2 SHEETS	ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	FAS 221	(19,20)RS-2	ROCK ISLAND	231	53
			CONTRACT NO. 64D72		
			FED. ROAD DIST. NO. 7 ILLINOIS	FED. AID PROJECT	

DROP BOX NO. 5

LT STA. 363+65



DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

2244-270 Drop Box#5

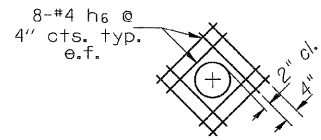
SHEET NO. 1 2 SHEETS	ROUTE NO. FAS 221	SECTION (19,20)RS-2	COUNTY ROCK ISLAND	TOTAL SHEETS 231	SHEET NO. 54
	FED. ROAD DIST. NO. 7 ILLINOIS			CONTRACT NO. 64D72 FED. AID PROJECT	

DROP BOX NO. 5

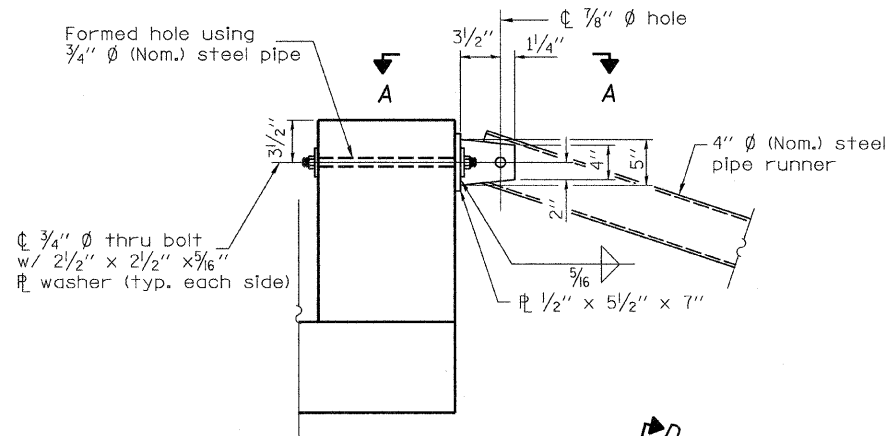
LT STA. 363+65

GENERAL NOTES

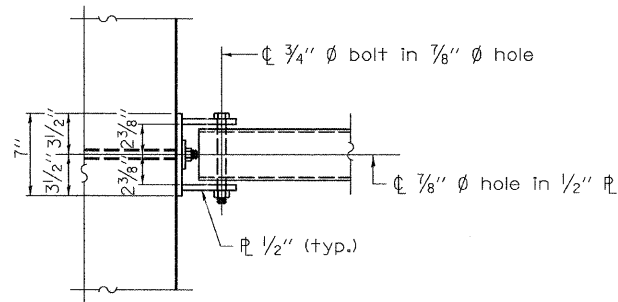
This work shall be paid for at the contract unit price per Each for Drop Box No. 5
 This work shall be done according to the applicable portion of 503, 508, and 540 of the Standard Specifications.
 Contractor shall field verify Galvanized pipe length
 Exposed edges shall be beveled 3/4".
 Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60
 All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.
 All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.
 Fabrication of the steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
 Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.
 Anchor rods shall conform to the min. strength requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications, except as shown.
 Bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications.
 The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1/2" unless noted otherwise.
 Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
 All cost associated with furnishing and installing the steel Pipe Grate system shall be included in the contract unit price of Each for Drop Box No. 5
 All excavation/backfilling required for construction of the culvert as shown in these plans and in accordance with the Standard Specifications shall be included in the cost of Drop Box No. 5. See Plan & Profile Sheet for more information.
 See Cross Section Sheet for more information.
 8" field tile shall be incorporated into the construction of the drop box wall, see detail.
 Precast alternate is allowed.



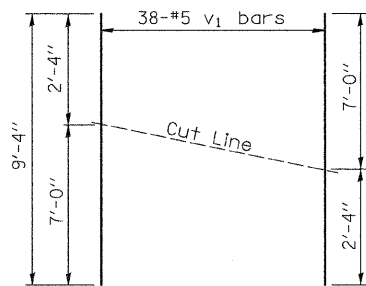
DETAIL FOR FIELD TILE
(Maximum 8" Ø)



DETAIL A

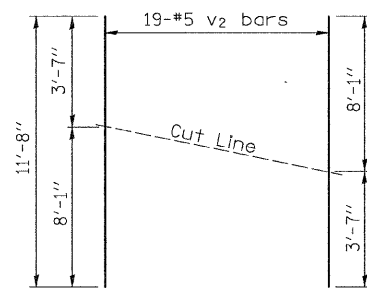


VIEW A-A



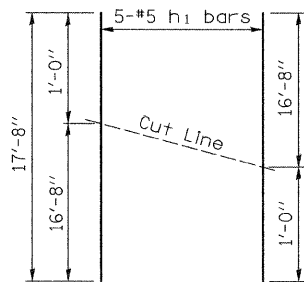
BAR CUTTING DIAGRAM

* Order v1 bars full length. Cut as shown and use remainder of bars in opposite face.



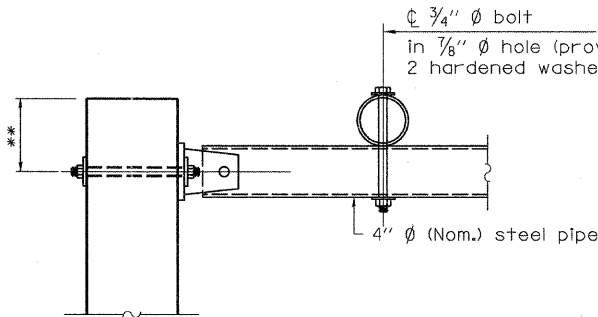
BAR CUTTING DIAGRAM

* Order v2 bars full length. Cut as shown and use remainder of bars in opposite face.



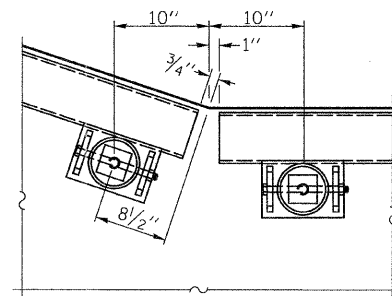
BAR CUTTING DIAGRAM

* Order h1 bars full length. Cut as shown and use remainder of bars in opposite face.

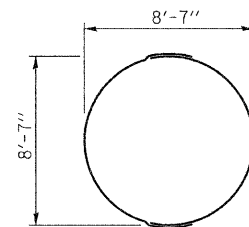


SECTION D-D

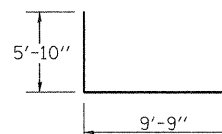
** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.



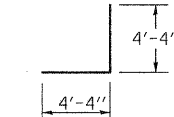
DETAIL B



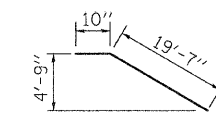
BAR h5 (PAIR)



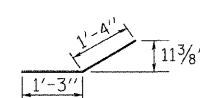
BAR u



BAR d



BAR f1



BAR g

BILL OF MATERIAL

(For Information Only)

BAR	SIZE	NO.	LENGTH	SHAPE
d	5	113	8'-8"	□
f	6	4	9'-9"	—
f1	5	4	20'-5"	—
g	6	11	2'-7"	—
h	5	20	28'-7"	—
h1	5	10	17'-8"	—
h2	5	22	27'-7"	—
h3	5	68	9'-9"	—
h4	5	16	3'-3"	—
h5	6	4	16'-1"	—
h6	4	16	2'-0"	—
v	5	29	3'-5"	—
v1	5	38	9'-4"	—
v2	5	19	11'-8"	—
u	5	4	21'-5"	—

DESCRIPTION	UNIT	QTY
CONCRETE STRUCTURES	CU YD	18.7
REINFORCEMENT BARS	LB	4,280

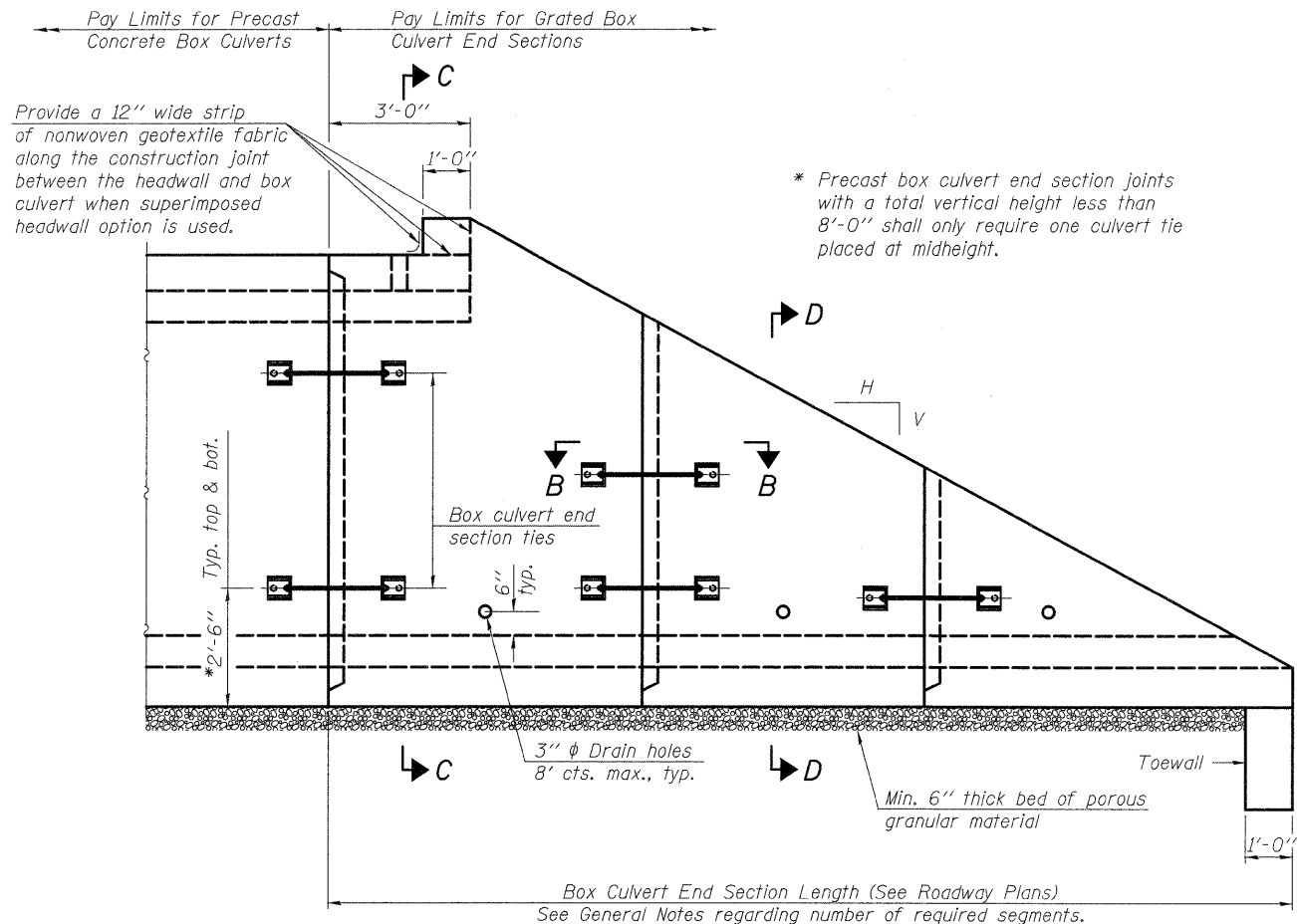
DESCRIPTION	UNIT	QTY.
4" GALVANIZED STEEL PIPE	4e	8'-0"
	3e	19'-3"
	3e	7'-8"
3/4" GALVANIZED STEEL BOLTS	EACH	12
END ASSEMBLY	EACH	6
SIDE ASSEMBLY	EACH	8

*** Includes all hardware and steel for assembly.

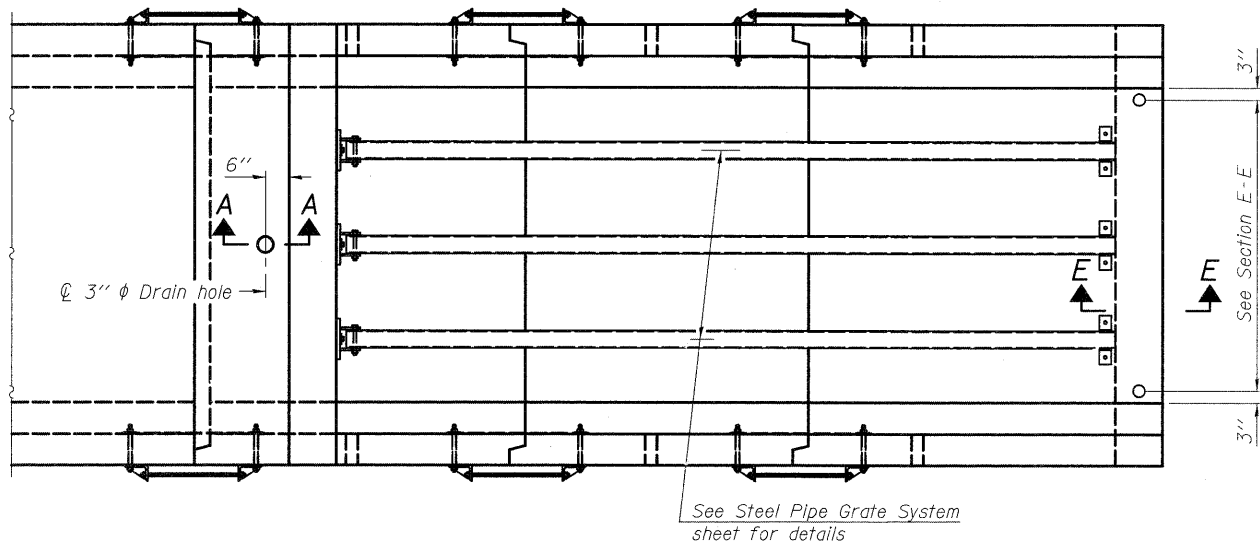
ROUTE NO.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
FAS 221	(19,20)RS-2	ROCK ISLAND	231	55
CONTRACT NO. 64D72				
FED. ROAD DIST. NO. 7 ILLINOIS		FED. AID PROJECT		

DESIGNED	C.T.M.
CHECKED	B.A.N.
DRAWN	C.T.M.
CHECKED	B.A.N.

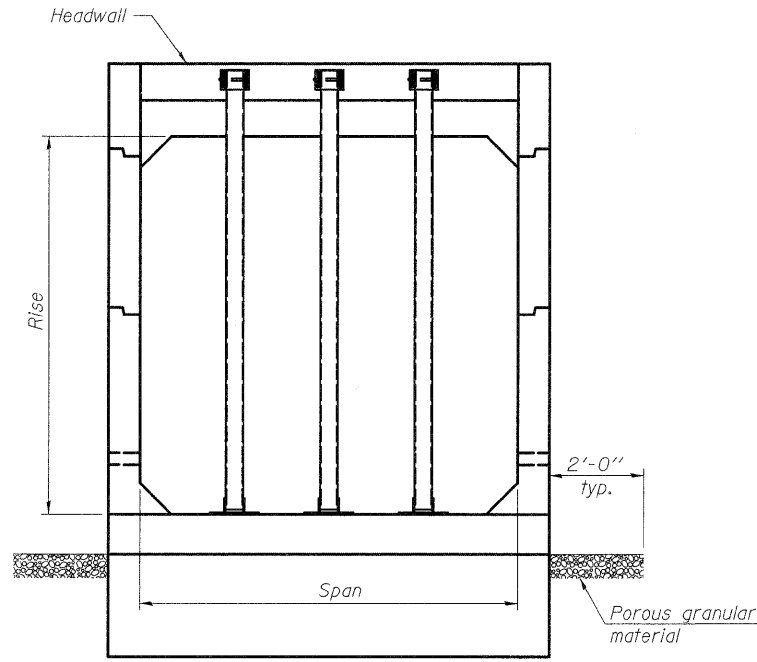
SHEET NO. 2
2 SHEETS



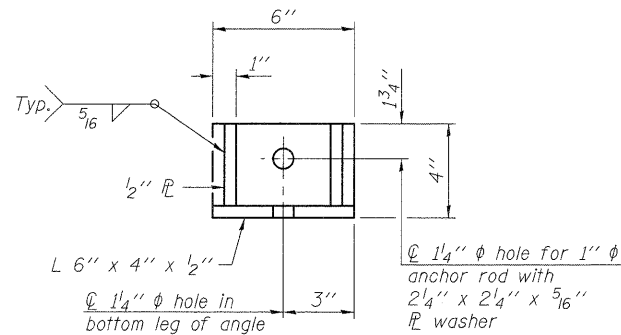
SIDE ELEVATION



PLAN VIEW



END VIEW



RESTRAINT ANGLE DETAIL

12" x 12" block of CA5, CA7 or CA11 coarse aggregate placed over drain opening. Block of aggregate shall be completely wrapped in nonwoven geotextile fabric.

Provide a double layer of 12" x 12" nonwoven geotextile fabric centered over the drain hole. Fabric shall be sealed to the concrete with mastic.

3" φ PVC drain cast with the concrete (Adjust location to clear reinforcement).

1/2" Square foam blockout around PVC drain (to be removed after concrete has cured)

SECTION A-A

(All costs associated with furnishing and constructing the above drain details will not be measured for payment but shall be included in the contract unit price for the end section.)

GENERAL NOTES

Grated Box Culvert End Sections shall be constructed according to the requirements of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Grated Box Culvert End Sections of the culvert number specified.

Typical box section dimensions, materials, and reinforcement details for Box Culvert End Sections shall be according to the requirements of AASHTO M 259 or M 273 as required for the design of the portion of the culvert within the limits of Precast Concrete Box Culverts except as modified herein.

Number of sections shown in Side Elevation is for example only. Length and number of precast box sections required to construct Box Culvert End Sections shall be determined by the Contractor.

See roadway plans for embankment slope (V:H).

1" φ anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. All anchor rods in a culvert tie assembly shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

Alternate culvert ties similar in strength and stiffness to the plan details may be provided by the Contractor. Alternate culvert ties shall be subject to approval of the Engineer.

The headwall may be cast monolithically with the box section or a superimposed headwall may be cast directly onto the box sections. Anchor rods shall conform to the requirements of Article 1006.09 of the Standard Specifications and the anchor rods and associated hardware for securing the superimposed headwall to the box section shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. Class SI concrete may be used for construction of superimposed headwall.

In lieu of using ferrule loop inserts, the Contractor may attach the superimposed headwall to the box section by epoxy grouting reinforcement bars according to the requirements of Section 584 of the Standard Specifications. The chemical adhesive system shall be capable of achieving the minimum proof load stated with drilled hole depths that do not exceed 2/3 of the thickness of the slab of the box section.

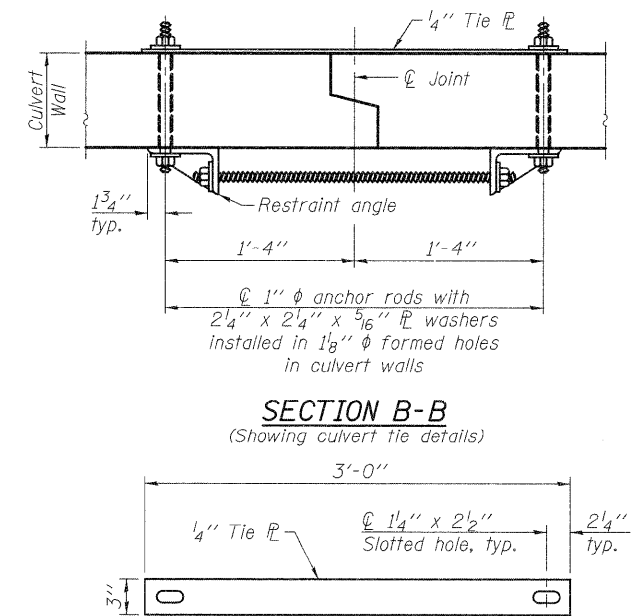
All costs associated with furnishing and installing or constructing the geotextile fabric, toewall, headwall, and culvert ties will not be measured for payment but shall be included in the contract unit price for Grated Box Culvert End Sections of the culvert number specified.

Reinforcement bars designated (E) shall be epoxy coated.

Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60.

Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Nonwoven geotextile fabric shall conform to the requirements of Article 1080.01. The minimum weight of the fabric shall be 6 oz. / sq. yd..



SECTION B-B

(Showing culvert tie details)

TIE PLATE DETAIL

2-16-11

DESIGNED -	EXAMINED	DATE -
CHECKED -	ENGINEER OF BRIDGE DESIGN	
DRAWN -	PASSED	
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SINGLE CELL PRECAST BOX CULVERT END SECTIONS
WITH PIPE GRATES

SHEET NO. 1 OF 3 SHEETS

F.A.S. RTE. *	SECTION (19,20)RS-2	COUNTY **	TOTAL SHEETS 231	SHEET NO. 56
* 221,213 & 220 ** ROCK ISLAND & MERCER COUNTY			CONTRACT NO. 64D72	
ILLINOIS FED. AID PROJECT				

(Sheet 1 of 3)

T (in.), T _s (in.)	Reinforcing Steel A _{slm} (in. ² /ft.)											
	2	3	4	5	6	7	8	9	10	11	12	
4	0.19	0.15										
5	0.26	0.21	0.18									
6		0.26	0.23	0.22								
7		0.33	0.59	0.27	0.28							
8			0.43	0.39	0.36	0.34	0.40					
9				0.43	0.40	0.37	0.36	0.48				
10					0.47	0.44	0.41	0.38	0.42	0.56		
11						0.54	0.46	0.41	0.41	0.50	0.65	
12							0.58	0.50	0.45	0.46	0.75	

(A_{slm} reinforcement based upon welded wire fabric conforming to AASHTO M 55 or M 221).

Notes:

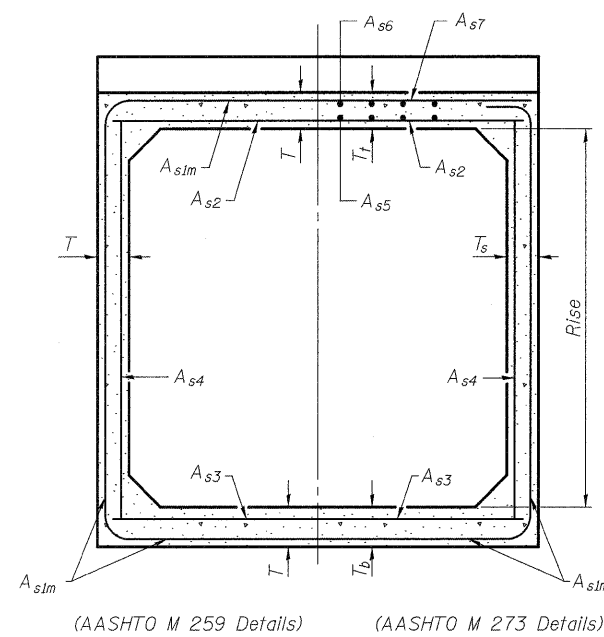
Alternate Section D-D is provided to allow the Contractor the option of casting the bottom slab of the end section first followed by construction of the sidewalls using conventional forming methods. Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval when using Alternate Section D-D.

The size and spacing of the v₃(E) bars shall provide a minimum reinforcement area along each face of the walls (in.²/ft.) equal to 1.10*(A_{slm}). v₃(E) bars may consist of #3 thru #6 size reinforcement bars and the longitudinal spacing shall not exceed the lesser of the wall thickness or 8 inches.

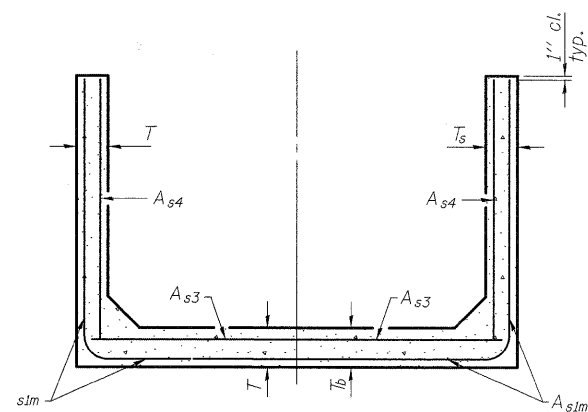
Bonded construction joints shall be prepared according to Article 503.09 of the Standard Specifications.

l₁ DIMENSION

- #3 bar = 2'-0"
- #4 bar = 2'-8"
- #5 bar = 3'-4"
- #6 bar = 3'-11"

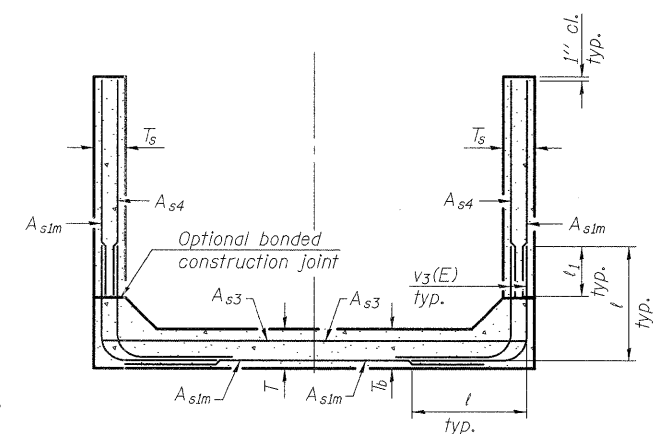


SECTION C-C



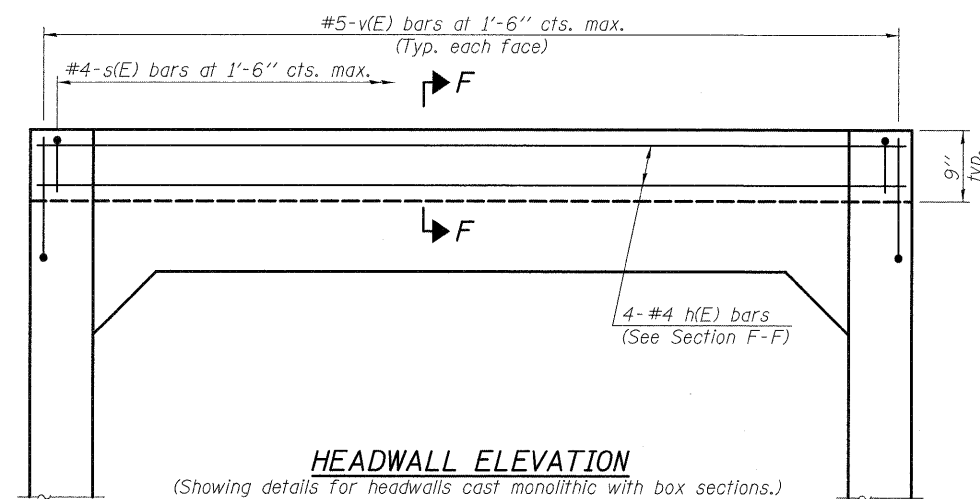
(AASHTO M 259 Details) (AASHTO M 273 Details)

SECTION D-D



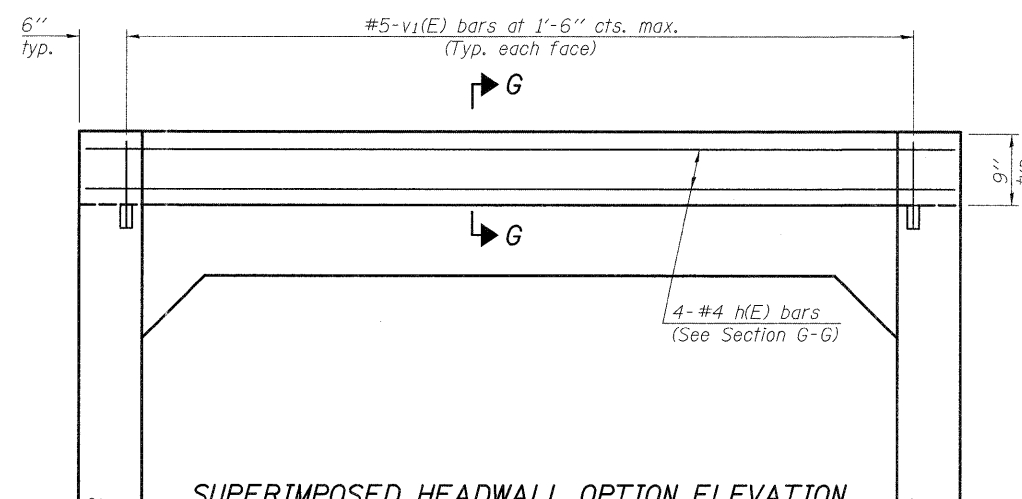
(AASHTO M 259 Details) (AASHTO M 273 Details)

ALTERNATE SECTION D-D

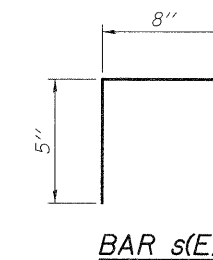


HEADWALL ELEVATION

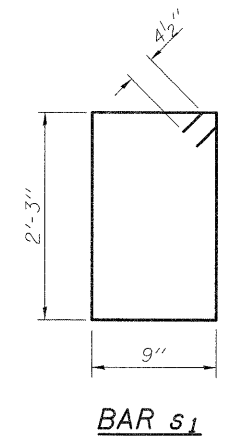
(Showing details for headwalls cast monolithic with box sections.)
(Allow sidewall reinforcement to extend into end of headwall.)



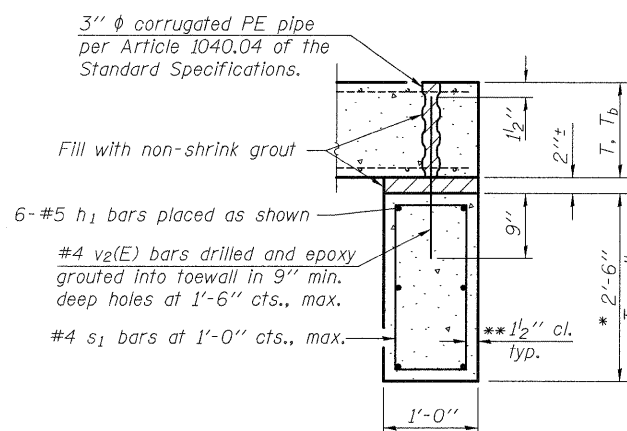
SUPERIMPOSED HEADWALL OPTION ELEVATION



BAR s(E)



BAR s₁



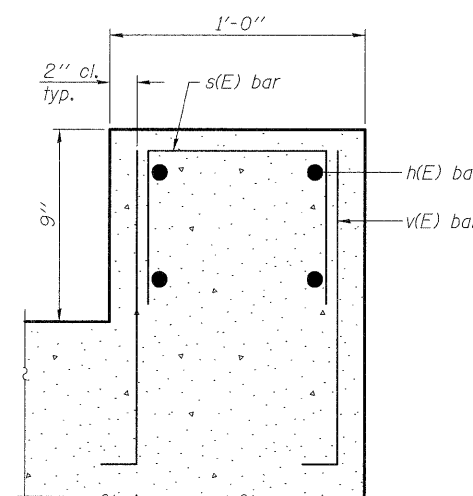
SECTION E-E

TOEWALL CONSTRUCTION SEQUENCE

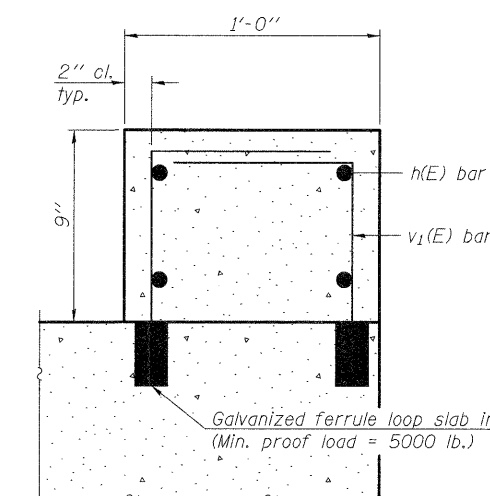
1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast box culvert end sections.
3. Set precast box culvert end sections in place.
4. Drill and epoxy grout reinforcement in toewall in accordance with Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

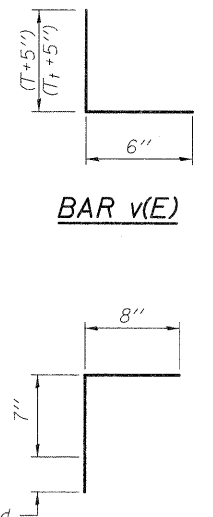
** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.



SECTION F-F



SECTION G-G



BAR v₁(E)

2-16-11

DESIGNED -	EXAMINED
CHECKED -	PASSED
DRAWN -	
CHECKED -	

ENGINEER OF BRIDGE DESIGN	DATE
ENGINEER OF BRIDGES AND STRUCTURES	

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

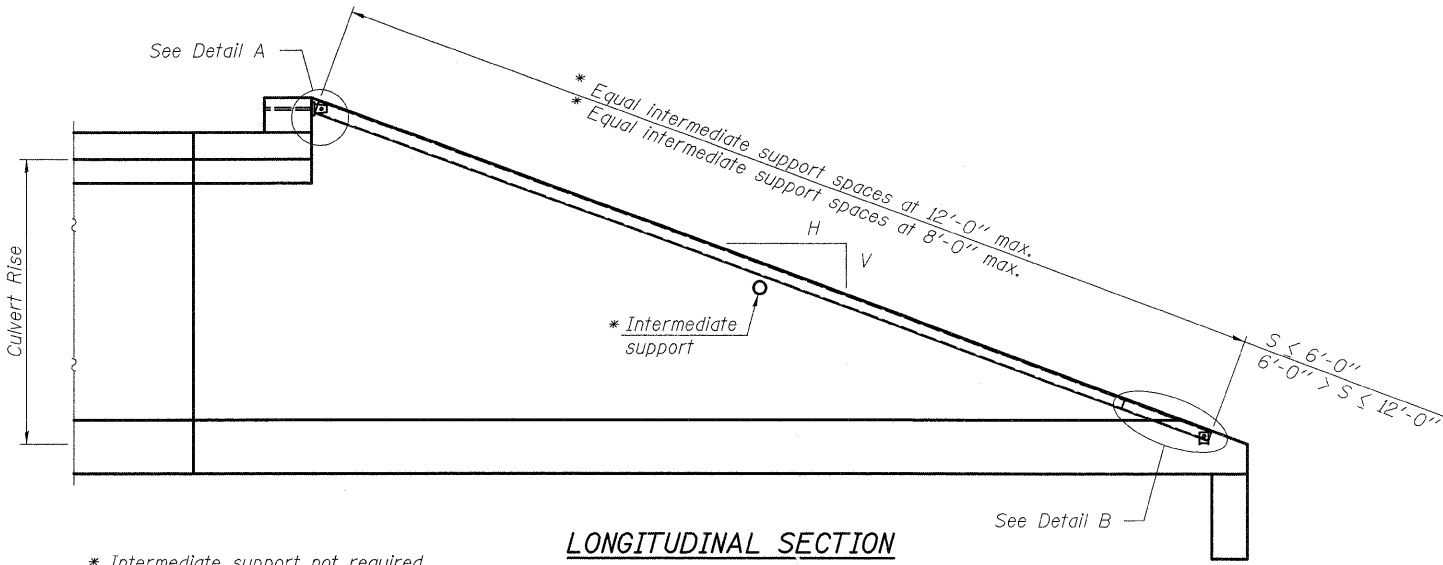
**SINGLE CELL PRECAST BOX CULVERT END SECTIONS
WITH PIPE GRATES**

SHEET NO. 2 OF 3 SHEETS

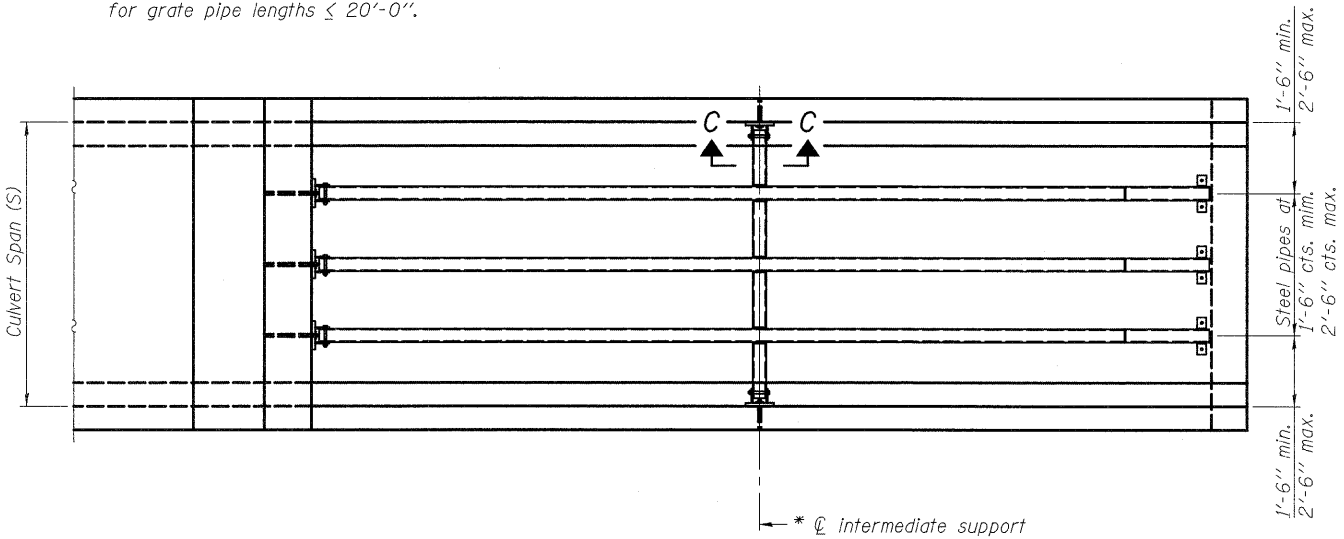
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	57
CONTRACT NO. 64D72			ILLINOIS FED. AID PROJECT	

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

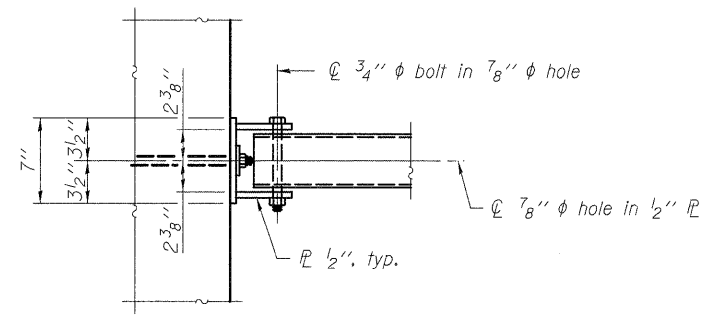
(Sheet 2 of 3)



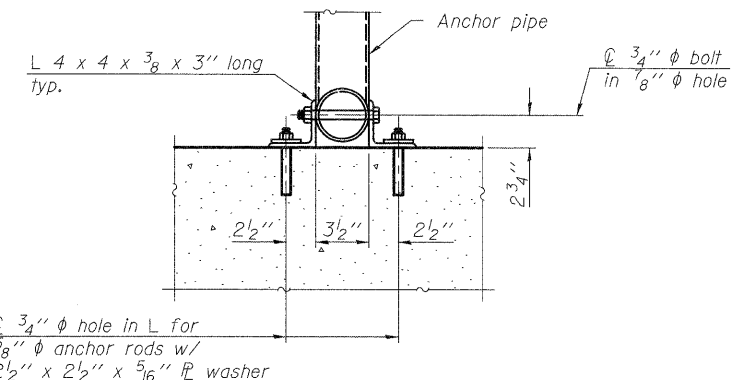
LONGITUDINAL SECTION



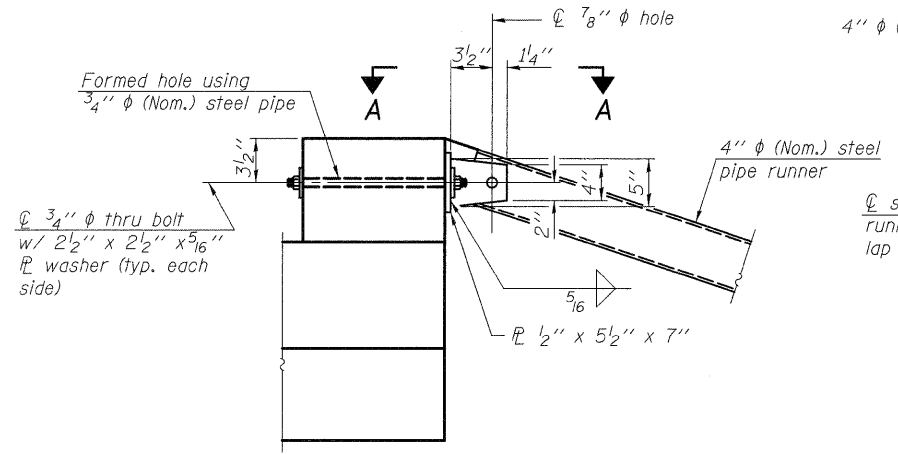
PLAN VIEW



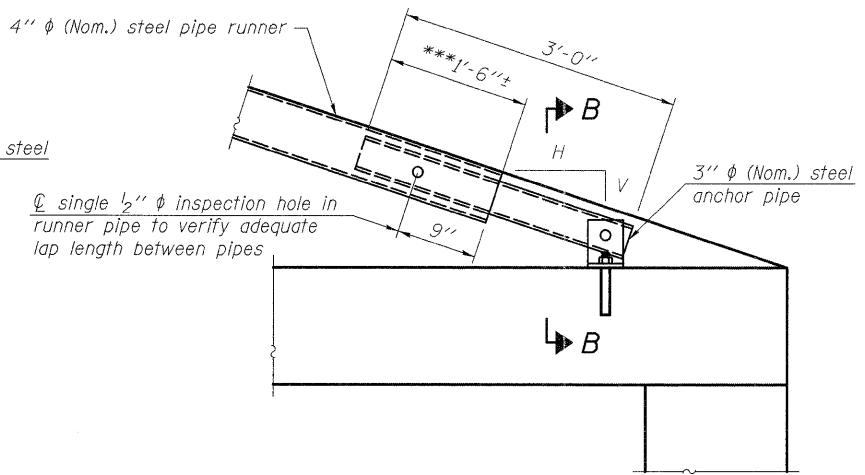
VIEW A-A



SECTION B-B

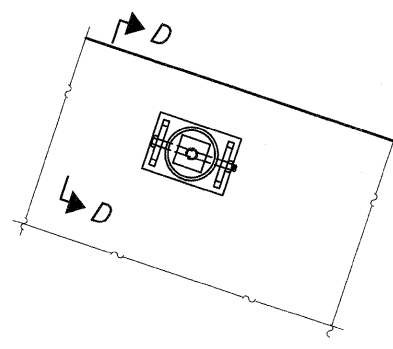


DETAIL A



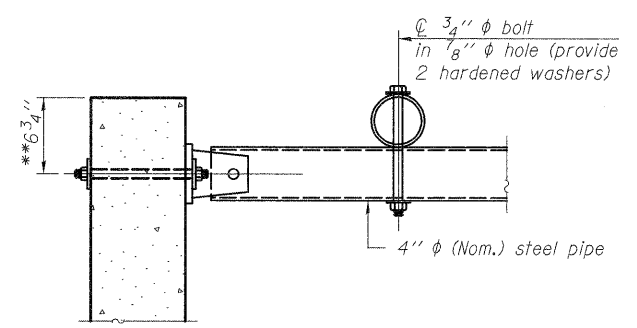
DETAIL B

*** The lap length between pipes may be adjusted in the field to accommodate construction tolerances but shall not be less than 9".



SECTION C-C

(See Detail A for dimensions and details not shown.)



SECTION D-D

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

GENERAL NOTES

Length and number of steel pipes shall be determined by the Contractor except as shown. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.
 All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.
 Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
 Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.
 Anchor rods shall conform to the requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications. The chemical adhesive system shall be capable of achieving a minimum proof load of 5000 pounds and an ultimate shear capacity of 8000 pounds per anchor.
 Bolts and thru bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications except threaded rods conforming to the requirements of ASTM F1554, Grade 105 may be used for the thru bolts.
 The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.
 Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
 All cost associated with fabricating, furnishing, and installing the Steel Pipe Grate System shall be included in the contract unit price for Grated Box Culvert End Sections of the culvert number specified.

2-16-11

(Sheet 3 of 3)

DESIGNED -	EXAMINED	DATE -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STEEL PIPE GRATE SYSTEM	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
CHECKED -	ENGINEER OF BRIDGE DESIGN				*	(19,20)RS-2	**	231	58	
DRAWN -	PASSED				CONTRACT NO. 64D72					
CHECKED -	ENGINEER OF BRIDGES AND STRUCTURES				ILLINOIS FED. AID PROJECT					

* 221,213 & 220
 ** ROCK ISLAND & MERCER COUNTY

SHEET NO. 3 OF 3 SHEETS

GENERAL NOTES

Grated Culvert End Sections shall be constructed according to the requirements for end sections of Section 540 of the Standard Specifications except as modified herein. End sections will be paid for at the contract unit price per each for Grated Culvert End Sections of the pipe diameter specified.

Number of sections shown in Elevation is for example only. Length and number of precast sections required to construct Grated Culvert End Sections shall be determined by the Contractor and indicated in the shop drawings. Joints between precast sections shall be produced with reinforced tongue and groove ends conforming to the requirements of ASTM C 1577.

See roadway plans for embankment slope (V:H) and pipe I.D.

1" ϕ anchor rods for the culvert ties shall conform to the requirements of ASTM F1554, Grade 105. Structural steel for tie plate and restraint angle shall conform to the requirements of Article 1006.04 of the Standard Specifications. All components of the culvert tie detail shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable. 2 1/4" x 2 1/4" x 5/16" plate washers shall be provided under each nut required for the anchor rods. All anchor rods in a culvert tie assembly shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench. Holes in the walls for the culvert tie assembly may be drilled using core bits in lieu of using formed holes.

Alternate culvert ties similar in strength and stiffness to the plan details may be provided by the Contractor. Alternate culvert ties shall be subject to approval of the Engineer.

All costs associated with furnishing and installing or constructing the toewall and culvert ties will not be measured for payment but shall be included in the contract unit price for Grated Culvert End Sections of the pipe diameter specified.

Reinforcement bars designated (E) shall be epoxy coated.

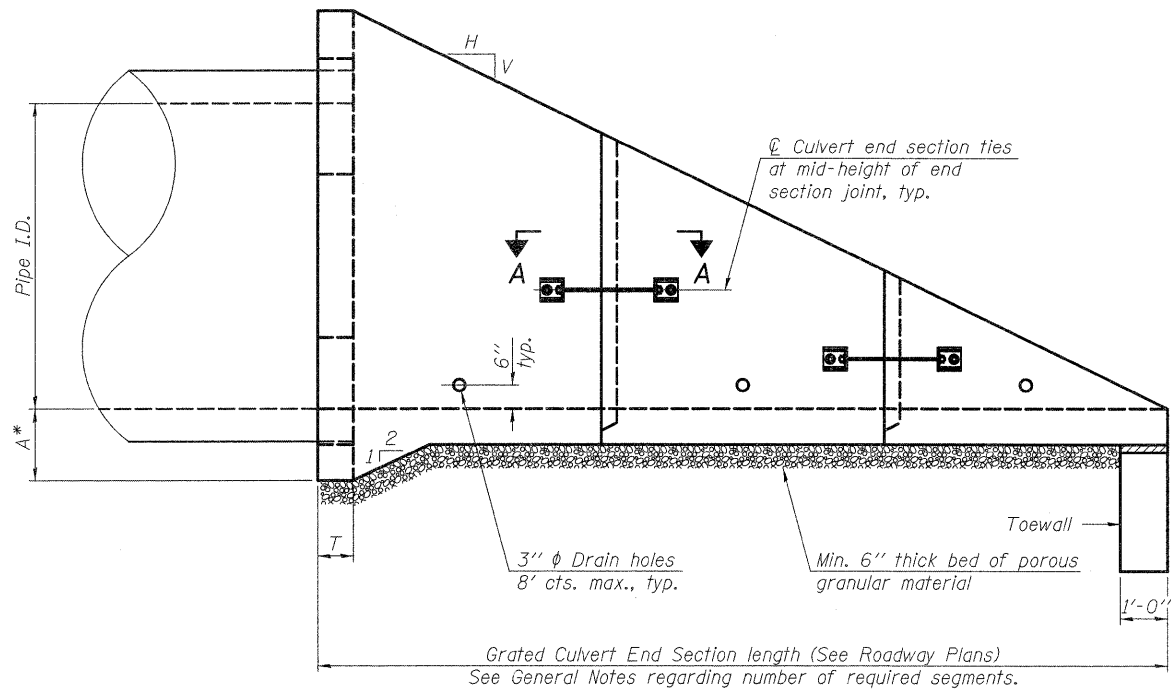
Reinforcement bars shall conform to the requirements of ASTM A 706 Gr. 60.

Drain holes shall conform to the requirements of Article 503.11 of the Standard Specifications unless noted otherwise.

Shop drawings that detail slab thickness and reinforcement layout shall be submitted to the Engineer for review and approval. Unless noted otherwise, reinforcement shall be detailed with a 1" concrete cover and a clear distance at the end of the reinforcement not less than 1/2" nor more than 2".

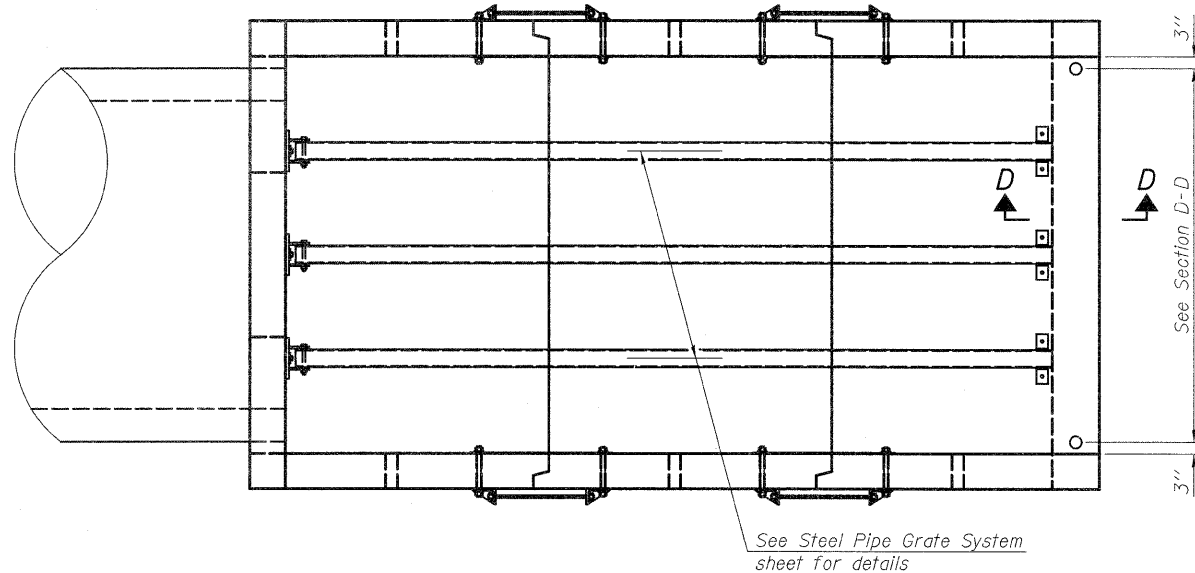
Unless noted otherwise, concrete shall be class PC and shall have a minimum compressive strength of 5000 psi at 28 days.

The Contractor may construct all or a portion of the end section in the field using cast-in-place (CIP) construction.

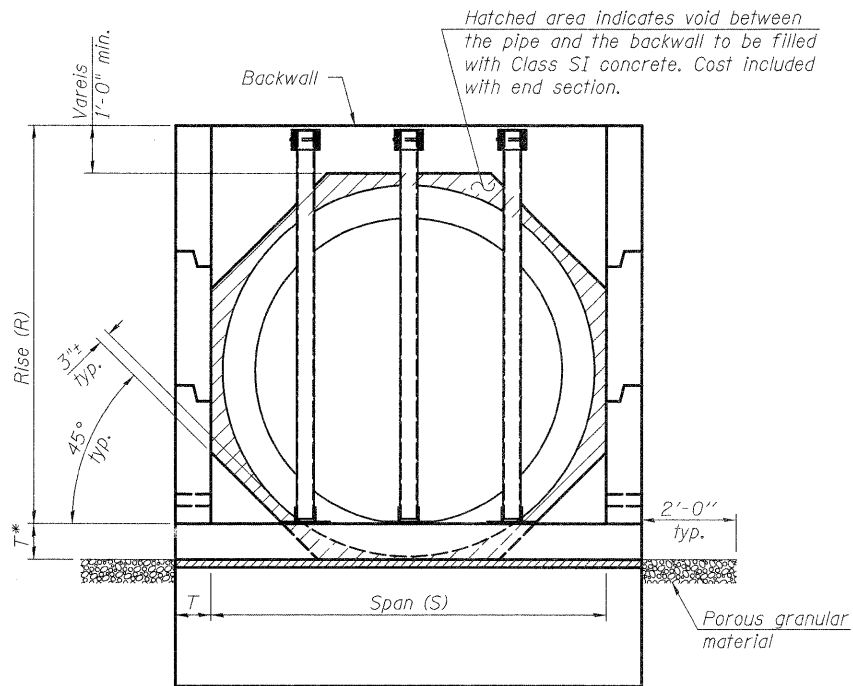


ELEVATION

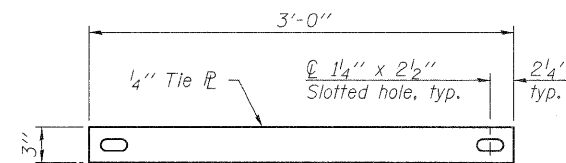
* This dimension shall be increased by 2" for CIP field construction. See General Notes.



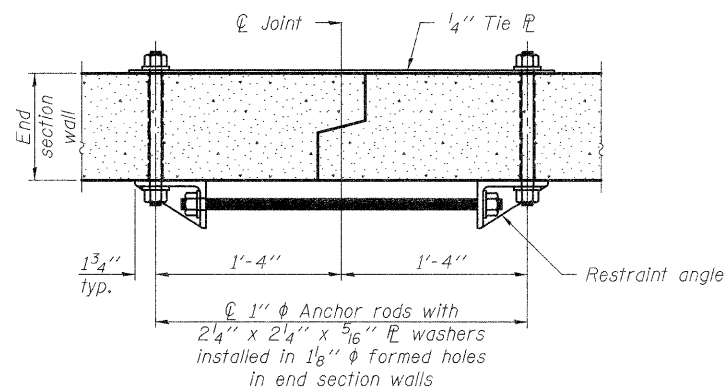
PLAN



END VIEW

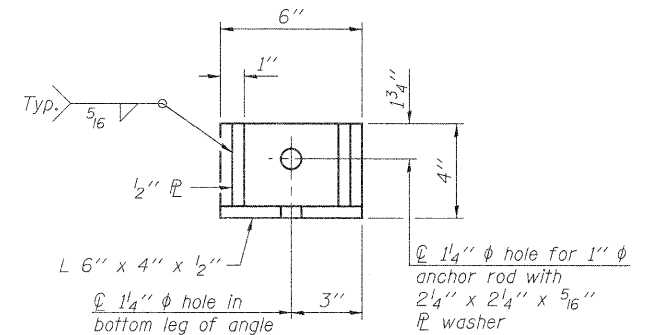


TIE PLATE DETAIL



SECTION A-A

(Showing end section tie details)



RESTRAINT ANGLE DETAIL

PIPE CULVERT END SECTION DIMENSIONS

Pipe I.D.	A	R	S	T
42"	1'-5"	5'-3"	5'-0"	8"
48"	1'-5"	5'-9"	5'-6"	8"
54"	1'-6"	6'-4"	6'-2"	8"
60"	1'-6"	6'-10"	6'-8"	8"
66"	1'-7"	7'-5"	7'-4"	8"
72"	1'-7"	7'-11"	7'-10"	8"
78"	1'-8"	8'-6"	8'-6"	8"
84"	1'-9"	9'-0"	9'-0"	9"

6-28-11

(Sheet 1 of 3)

FILE NAME =	USER NAME =	DESIGNED -	REVISOR	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CULVERT END SECTIONS WITH PIPE GRATES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE =	CHECKED -	REVISOR	*			(19,20)RS-2	**	231	59	
PLOT DATE =	DRAWN -	REVISOR	SHEET NO. 1 OF 3 SHEETS			CONTRACT NO. 64D72				
	CHECKED -	REVISOR	ILLINOIS FED. AID PROJECT							

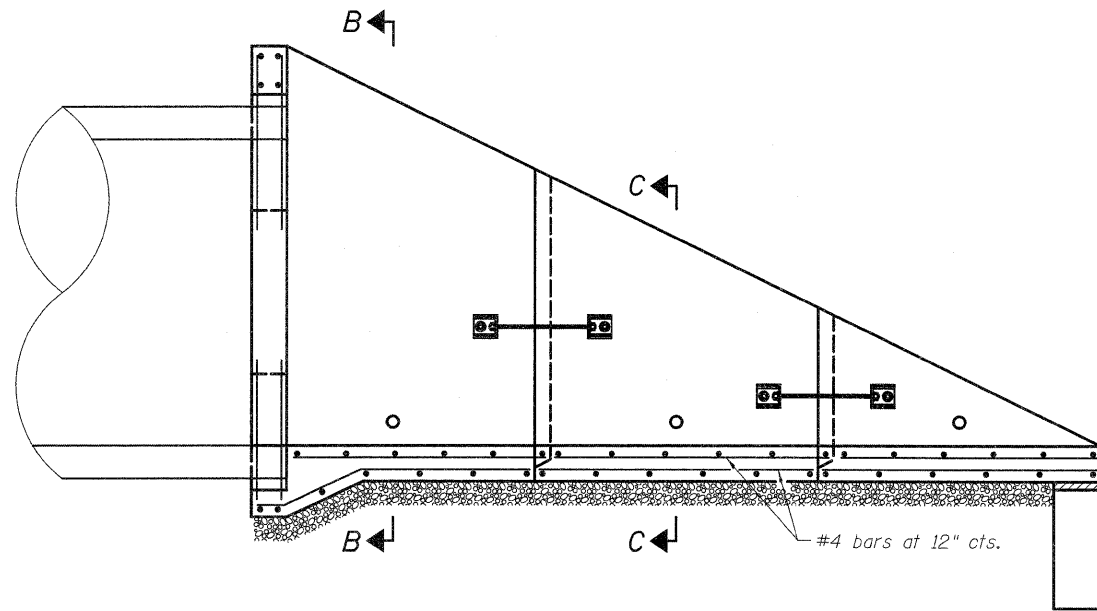
* 221.213 & 220

** ROCK ISLAND & MERCER COUNTY

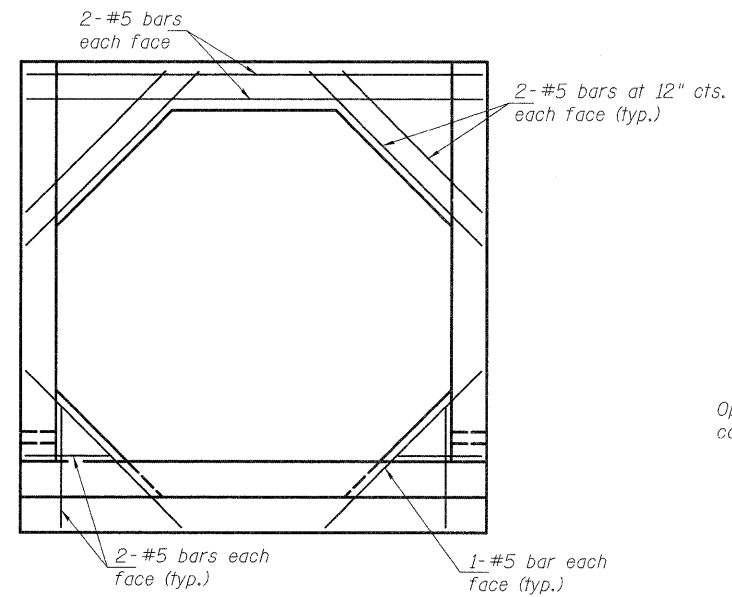
DIMENSION

#4 bar = 1'-5"
 #5 bar = 1'-9"
 #6 bar = 2'-1"

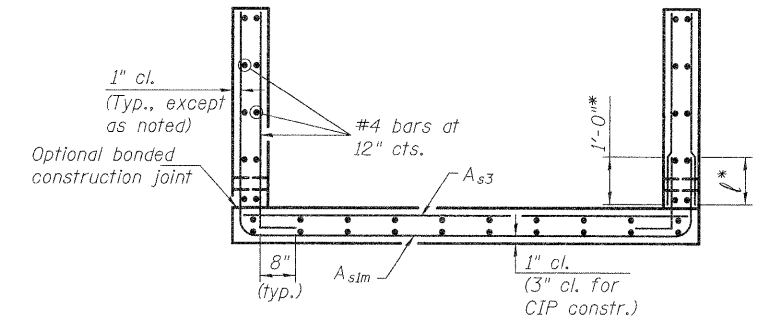
* The Contractor may use lap splices for the sidewall reinforcement at the locations shown. Lap splice locations shall be detailed in the shop drawings.



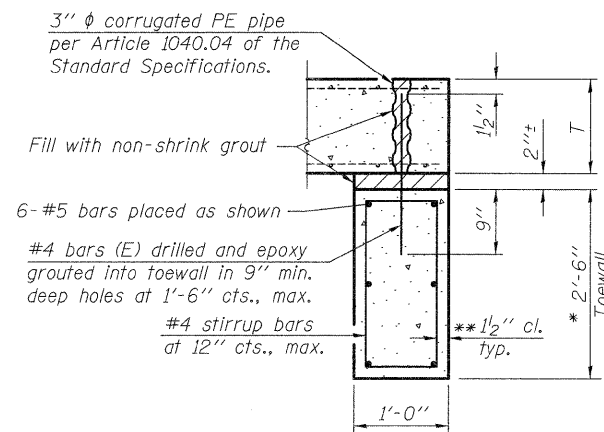
LONGITUDINAL SECTION
 (Showing bottom slab and backwall reinforcement.)



SECTION B-B
 (Showing backwall reinforcement only.)
 (Pipe omitted for clarity.)



SECTION C-C



SECTION D-D

TOEWALL CONSTRUCTION SEQUENCE

1. Perform excavation and construct toewall.
2. Backfill accordingly and place bedding for precast culvert end sections.
3. Set precast culvert end sections in place.
4. Drill and epoxy grout reinforcement in toewall according to Section 584 of the Standard Specifications.
5. Pressure grout voids using non-shrink grout conforming to Section 1024 of the Standard Specifications.

* The Contractor may furnish a precast or cast-in-place toewall. The Contractor shall be responsible for the strength and stability of the precast toewall during handling. Additional lifting points may be required depending upon the length of the toewall or the Contractor may need to modify the design of the toewall for the proposed handling method.

** If soil conditions permit, the sides of the toewall may be poured directly against the soil. The clear cover on the sides of the toewall shall be increased to 3" by increasing the thickness of the toewall.

REINFORCEMENT SCHEDULE

Pipe I.D.	A _{s1m}		A _{s3}	
	Bar Size	Bar Spacing	Bar Size	Bar Spacing
42"	4	12"	4	12"
48"	4	8"	4	12"
54"	5	8"	4	12"
60"	5	8"	4	12"
66"	5	8"	4	12"
72"	5	8"	4	12"
78"	6	8"	4	12"
84"	6	8"	4	12"

6-28-11

(Sheet 2 of 3)

* 221.213 & 220
 ** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME =	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PRECAST CULVERT END SECTIONS WITH PIPE GRATES	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
	PLOT SCALE =	CHECKED -	REVISED -			*	(19,20)RS-2	**	231	60	
	PLOT DATE =	DRAWN -	REVISED -			CONTRACT NO. 64D72					
		CHECKED -	REVISED -			ILLINOIS FED. AID PROJECT					

SHEET NO. 1 OF 3 SHEETS

GENERAL NOTES

Length and number of steel pipes shall be determined by the Contractor except as shown. All steel pipe shall be standard weight (Sch. 40) unless otherwise noted.

Steel Pipe Grate System details shown for Grated Box Culvert End Sections. Steel Pipe Grate System details for Grated Culvert End Sections similar.

All components of the Steel Pipe Grate System shall be galvanized according to the requirements of AASHTO M 111 or M 232 as applicable.

Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.

Structural steel shapes and plates shall conform to the requirements of Article 1006.04 of the Standard Specifications. Steel pipes shall conform to the requirements of ASTM A 53 (Type E or S), Grade B.

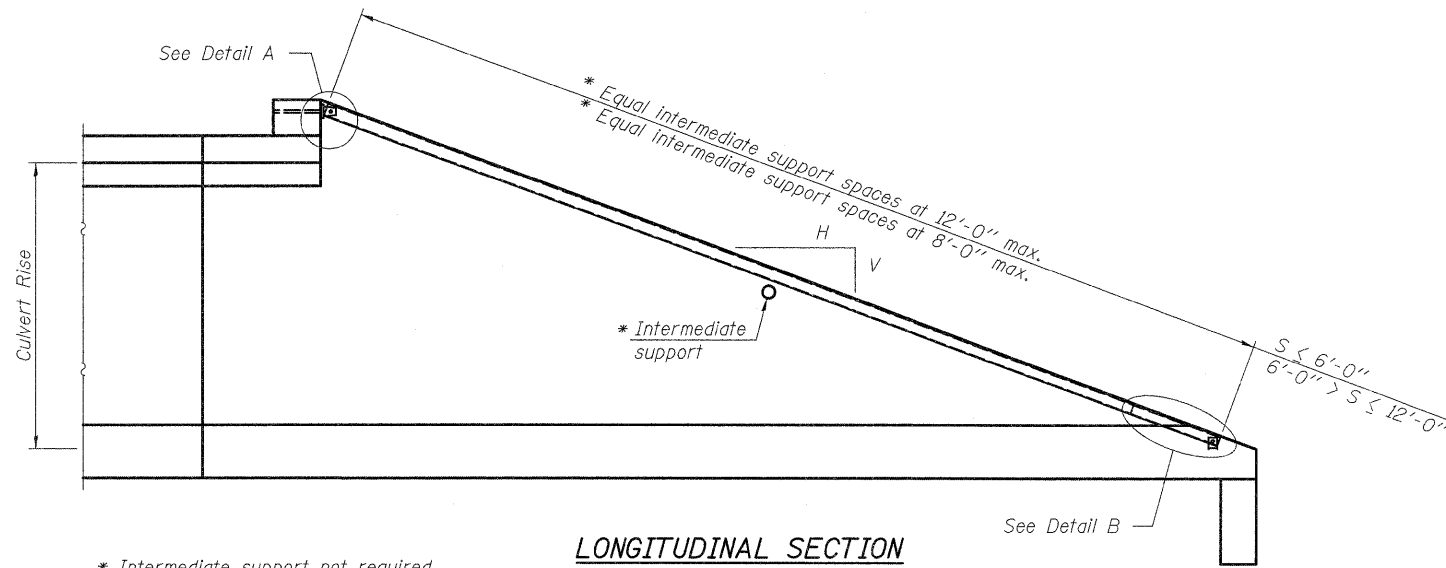
Anchor rods shall conform to the requirements of ASTM F1554, Grade 105. Anchor rods shall be drilled and epoxy grouted according to the requirements of Section 584 of the Standard Specifications. The chemical adhesive system shall be capable of achieving a minimum proof load of 5000 pounds and an ultimate shear capacity of 8000 pounds per anchor.

Bolts and thru bolts shall conform to the requirements of Article 1006.08 of the Standard Specifications except threaded rods conforming to the requirements of ASTM F1554, Grade 105 may be used for the thru bolts.

The minimum edge distance from the center of a hole to the free edge of a structural shape or plate shall be 1 1/2" unless noted otherwise.

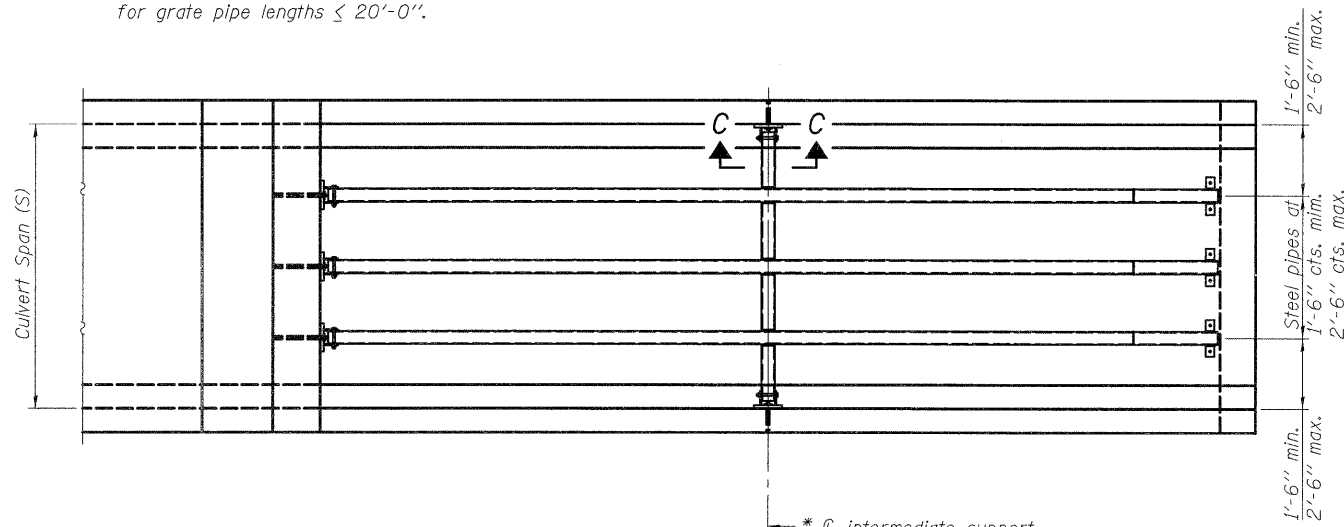
Bolts and anchor rods shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.

All cost associated with fabricating, furnishing, and installing the Steel Pipe Grate System shall be included in the contract unit price for Grated Box Culvert End Sections of the culvert number specified or Grated Culvert End Sections of the diameter specified, as applicable.

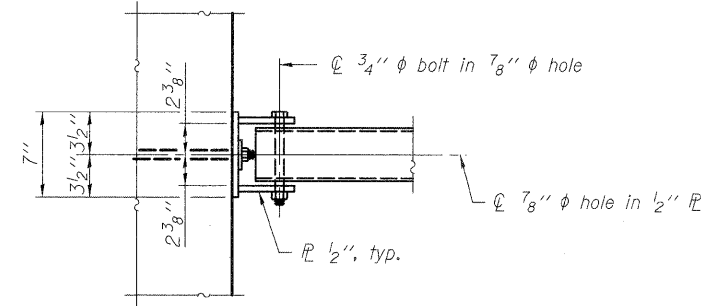


LONGITUDINAL SECTION

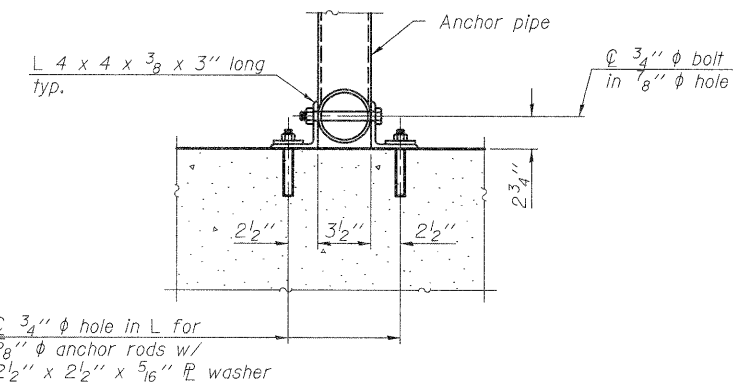
* Intermediate support not required for grate pipe lengths ≤ 20'-0".



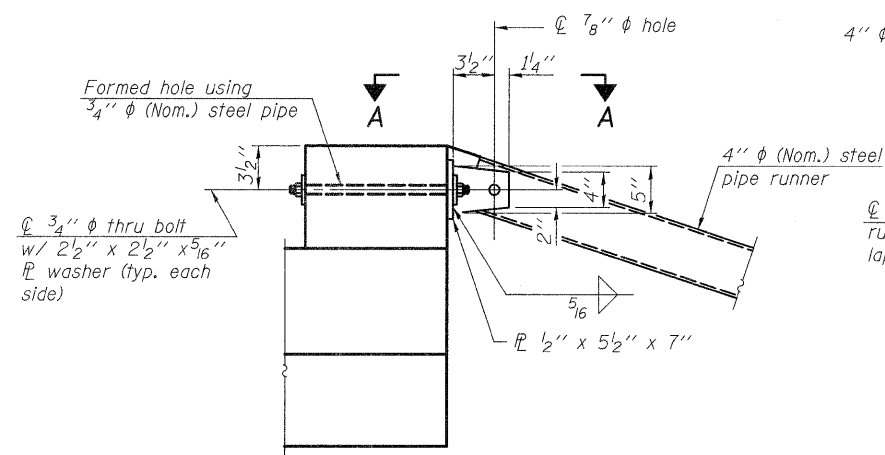
PLAN VIEW



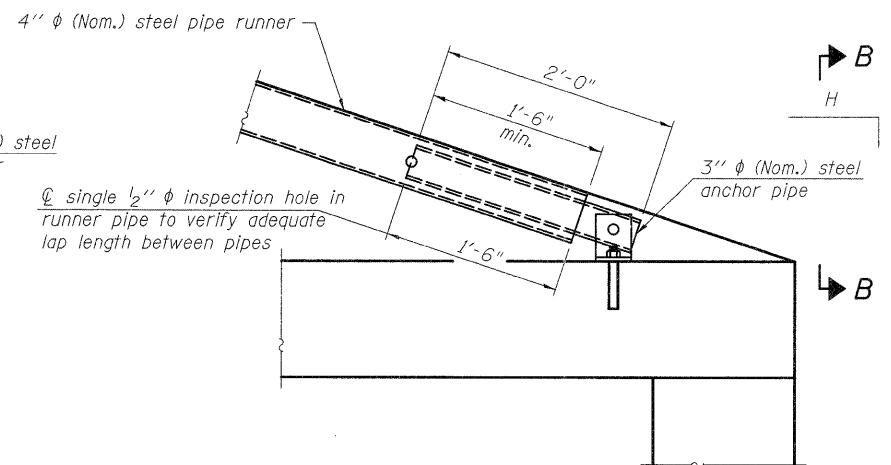
VIEW A-A



SECTION B-B

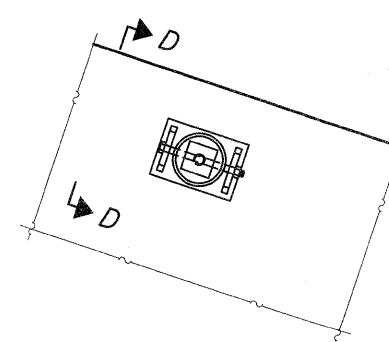


DETAIL A



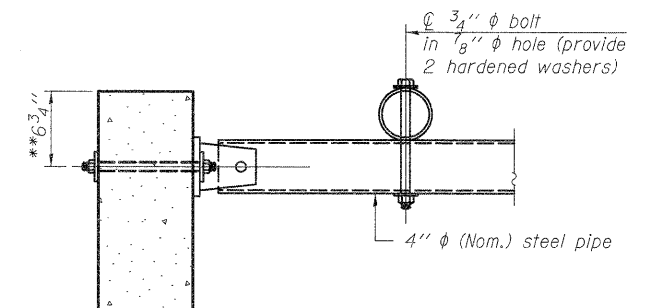
DETAIL B

*** The lap length between pipes may be adjusted in the field to accommodate construction tolerances but shall not be less than 9".



SECTION C-C

(See Detail A for dimensions and details not shown.)



SECTION D-D

** Measured perpendicular to top of culvert wall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert end section.

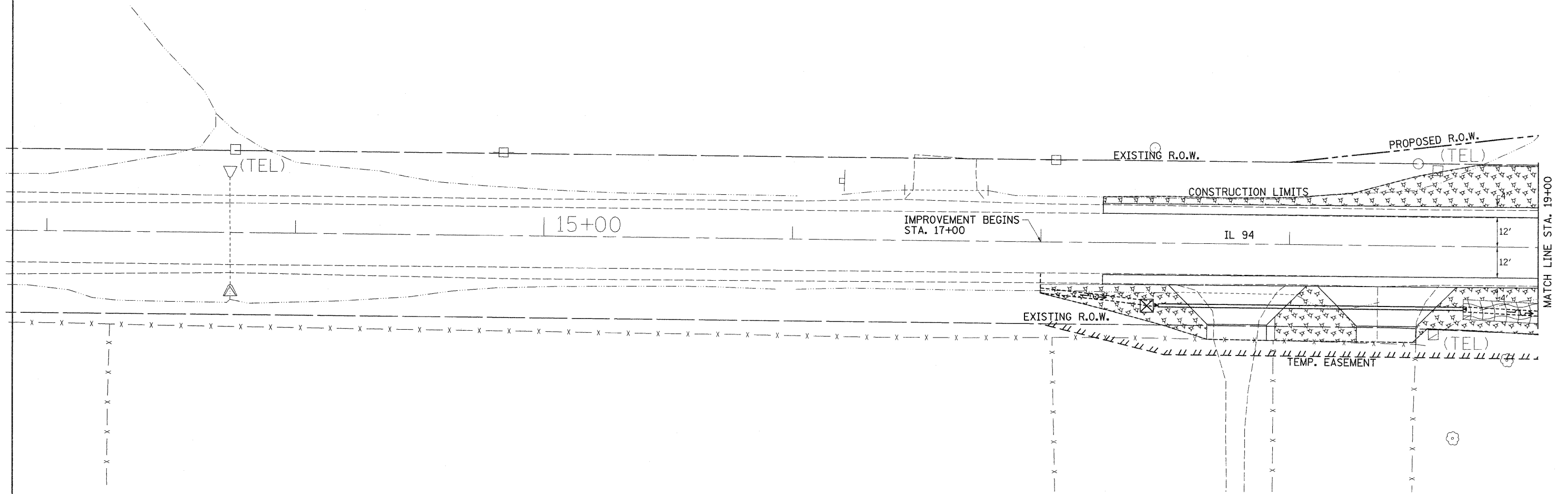
6-28-11

(Sheet 3 of 3)

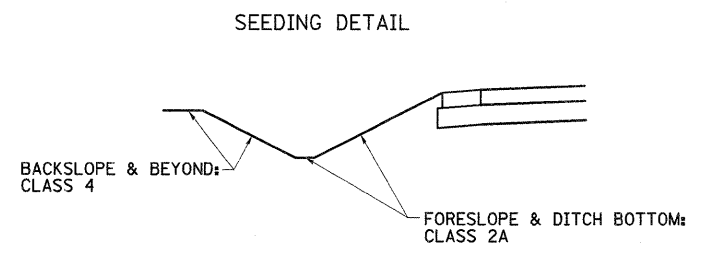
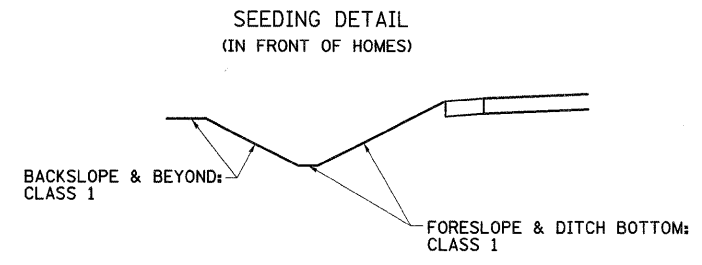
FILE NAME =	USER NAME =	DESIGNED -	REVISD -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	STEEL PIPE GRATE SYSTEM	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
		CHECKED -	REVISD -			*	(19,20)RS-2	**	231	61	
		DRAWN -	REVISD -			CONTRACT NO. 64D72					
		CHECKED -	REVISD -			ILLINOIS FED. AID PROJECT					

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

EROSION CONTROL DETAILS



- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
ci:\pw_work\p\p\dot\grantpm\d0184077\02122011\07sht-er-rosion.dgn		DRAWN -	REVISED -
PLOT SCALE = 20,0000' / in.		CHECKED -	REVISED -
PLOT DATE = Thu Jun 23 08:18:54 2011		DATE -	REVISED -

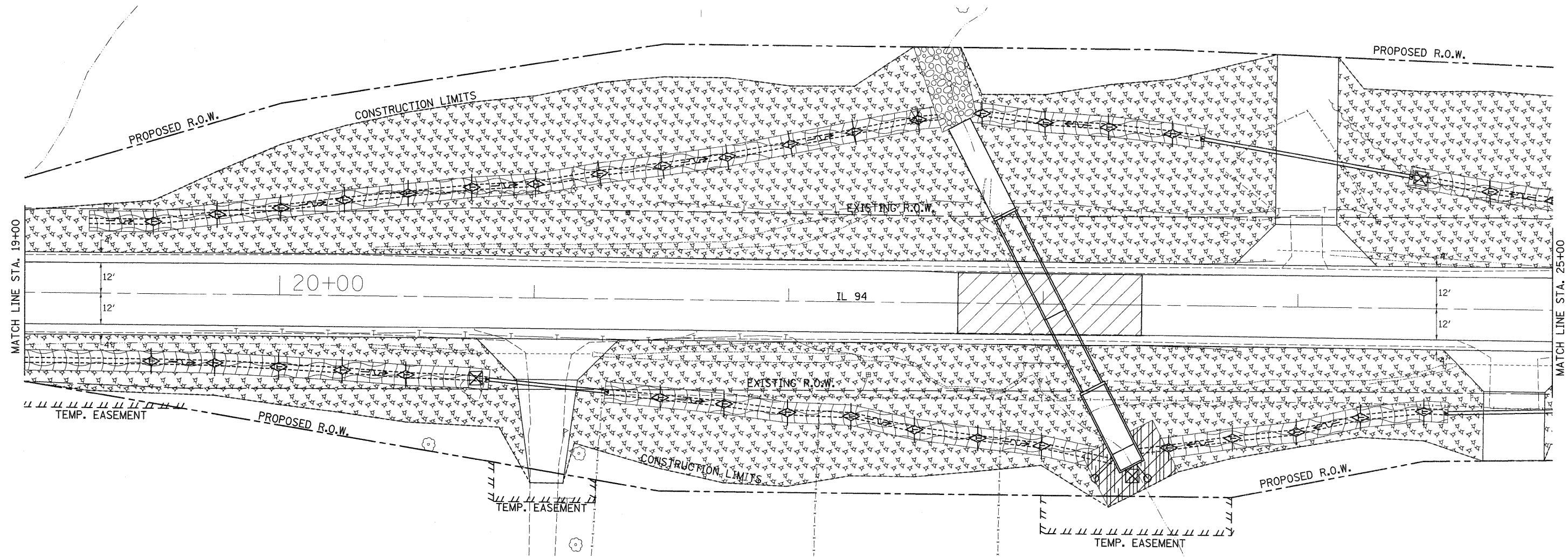
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL DETAILS

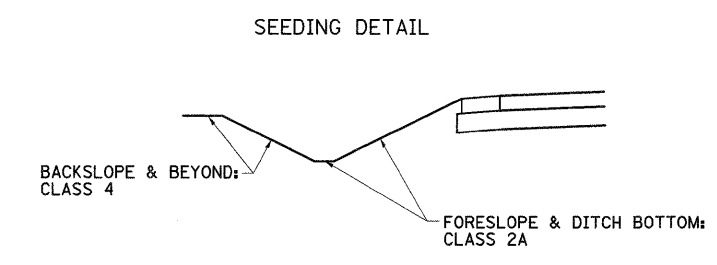
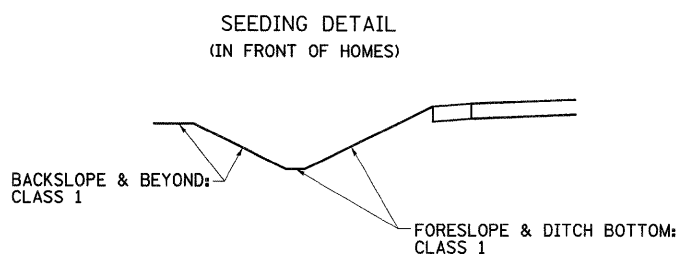
SCALE: SHEET NO. OF SHEETS STA. TO STA.

* 221,213 & 220 ** ROCK ISLAND & MERCER COUNTY		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		*	(19,20)RS-2	**	231	62
CONTRACT NO. 64D72					ILLINOIS FED. AID PROJECT	

EROSION CONTROL DETAILS



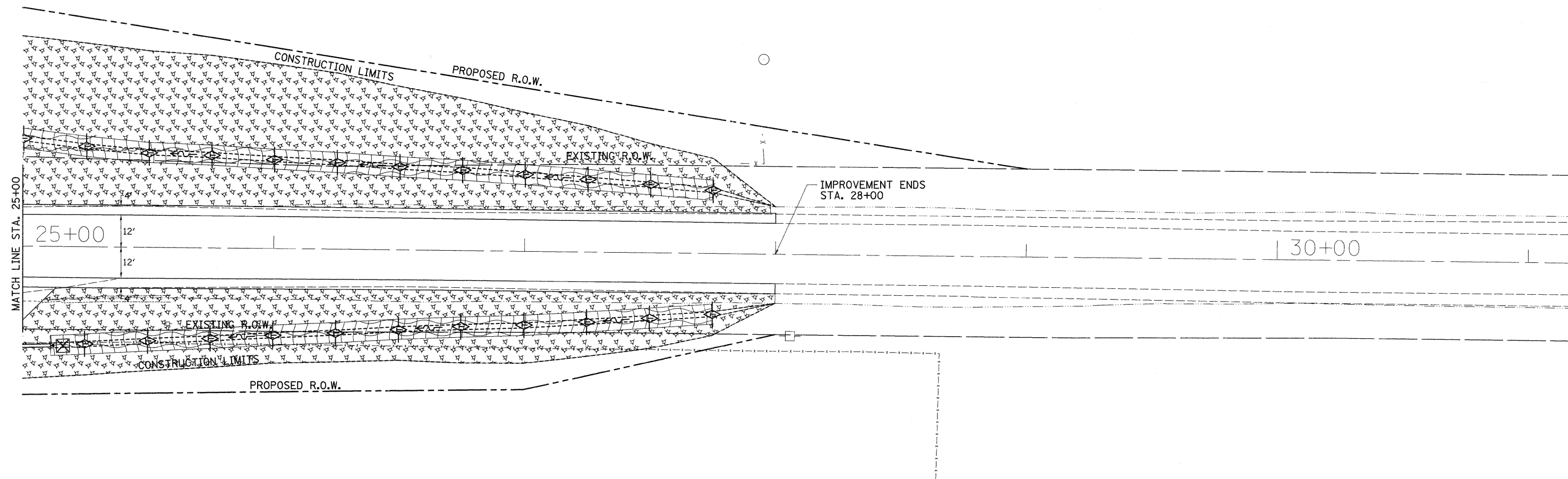
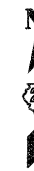
- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



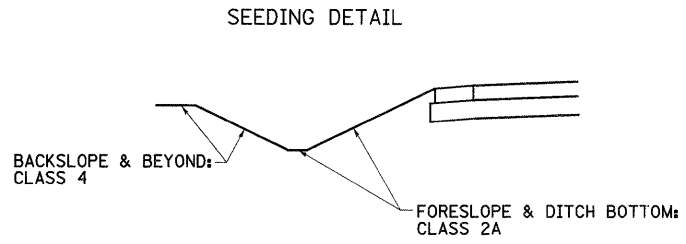
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS	EROSION CONTROL DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pw\work\pwsdot\grantpm\d8184077\0212\07sh-erosion.dgn		DRAWN -	REVISED -	DEPARTMENT OF TRANSPORTATION		*	(19,20)RS-2	**	231	63
	PLOT SCALE = 20,000' / 1" =	CHECKED -	REVISED -		SCALE:					
	PLOT DATE = Thu Jun 23 08:19:55 2011	DATE -	REVISED -		SHEET NO.	OF	SHEETS	STA.	TO	STA.
										CONTRACT NO. 64D72
										(ILLINOIS) FED. AID PROJECT

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

EROSION CONTROL DETAILS



- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



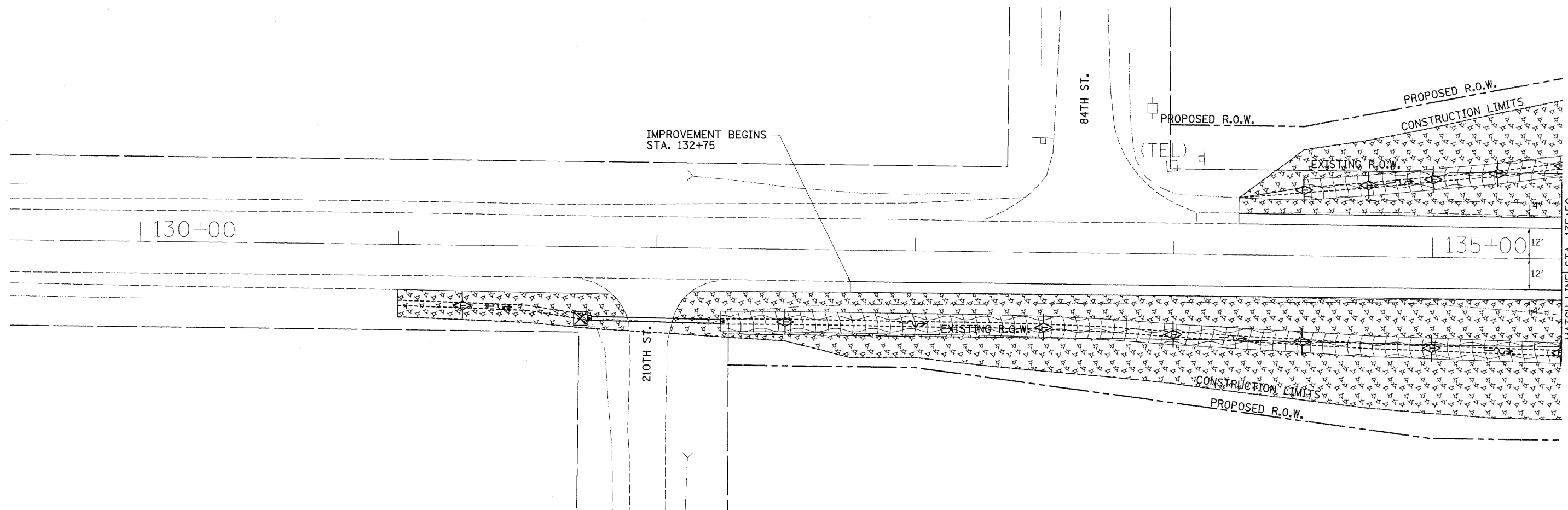
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	PLOT SCALE = 20.0000' / 1"	CHECKED -	REVISED -
	PLOT DATE = Thu Jun 23 08:18:56 2011	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

EROSION CONTROL DETAILS				
SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.

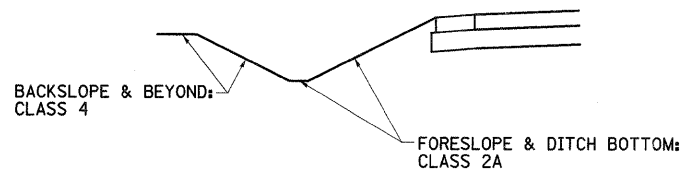
* 221,213 & 220 ** ROCK ISLAND & MERCER COUNTY				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	64
CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL DETAILS



- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT

SEEDING DETAIL



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
cd:\pw_work\pwidot\grantpm\d0184077\0212307sh-erosion.dgn		DRAWN -	REVISED -
	PLOT SCALE = 20.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Thu Jun 23 08:18:57 2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

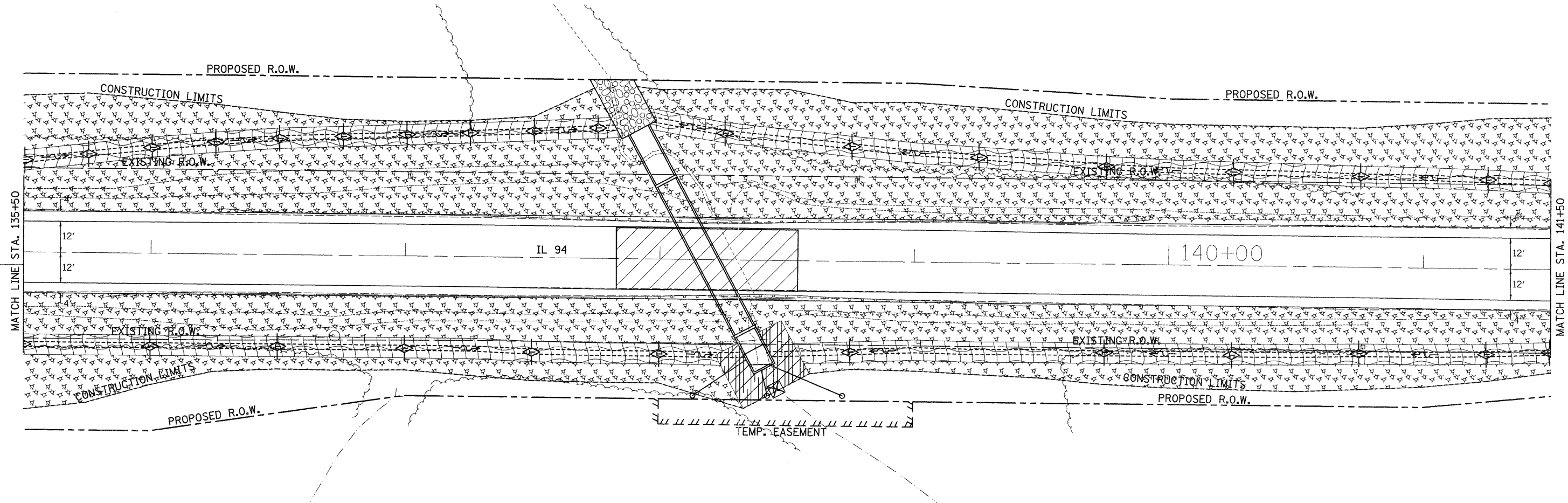
EROSION CONTROL DETAILS

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

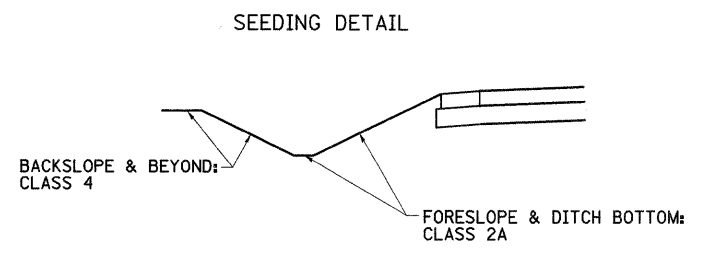
* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	65
CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL DETAILS



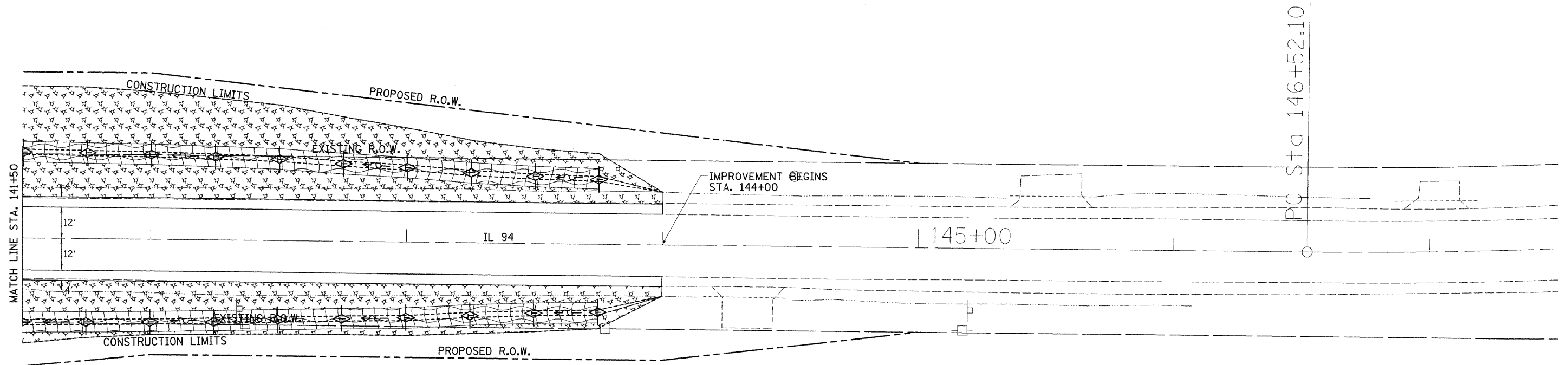
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- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



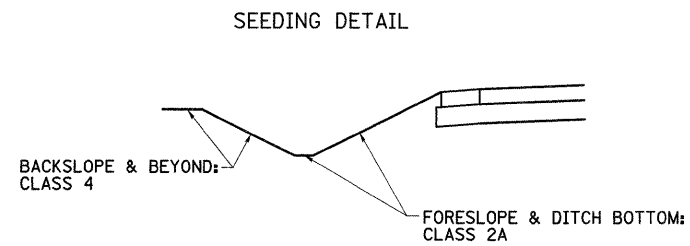
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PLOT SCALE = 20.0000' / 1" =						CHECKED -	DATE	REVIS	CONTRACT NO. 64072	ILLINOIS FED. AID PROJECT		
PLOT DATE = Thu Jun 23 08:18:58 2011						DATE	REVIS					

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

EROSION CONTROL DETAILS



- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
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PLOT DATE = Thu Jun 23 08:18:59 2011		DATE -	REVISED -

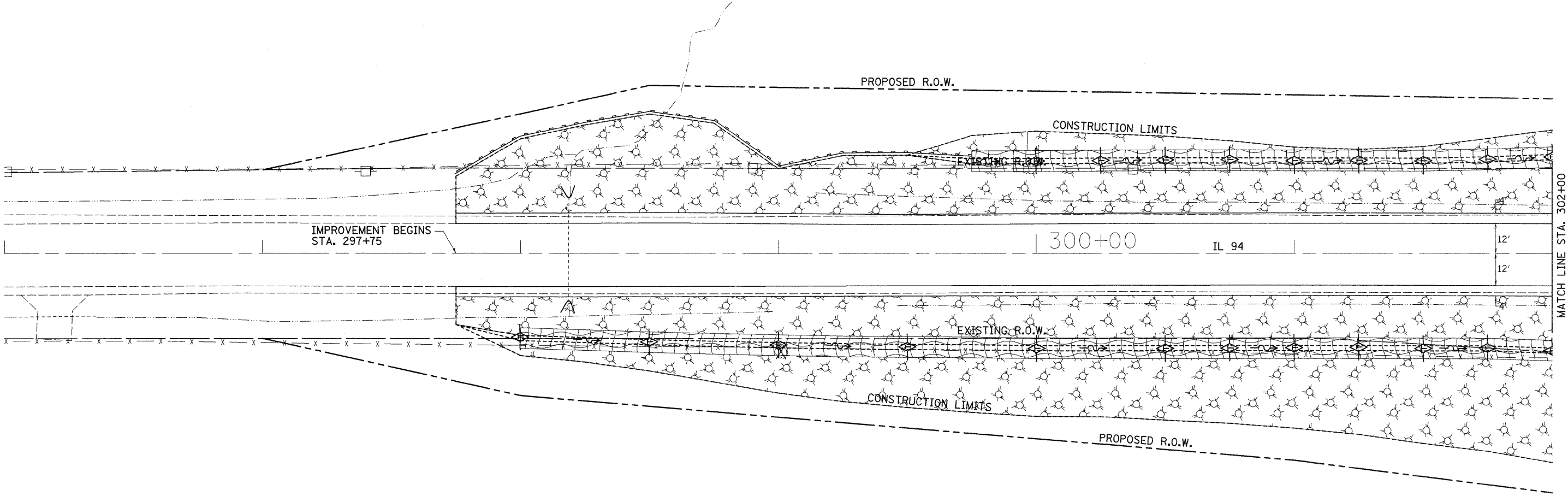
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL DETAILS

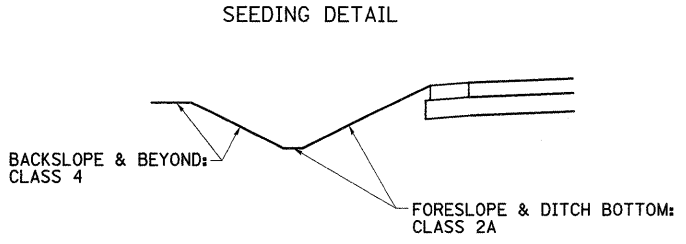
SCALE: SHEET NO. OF SHEETS STA. TO STA.

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	67
CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL DETAILS



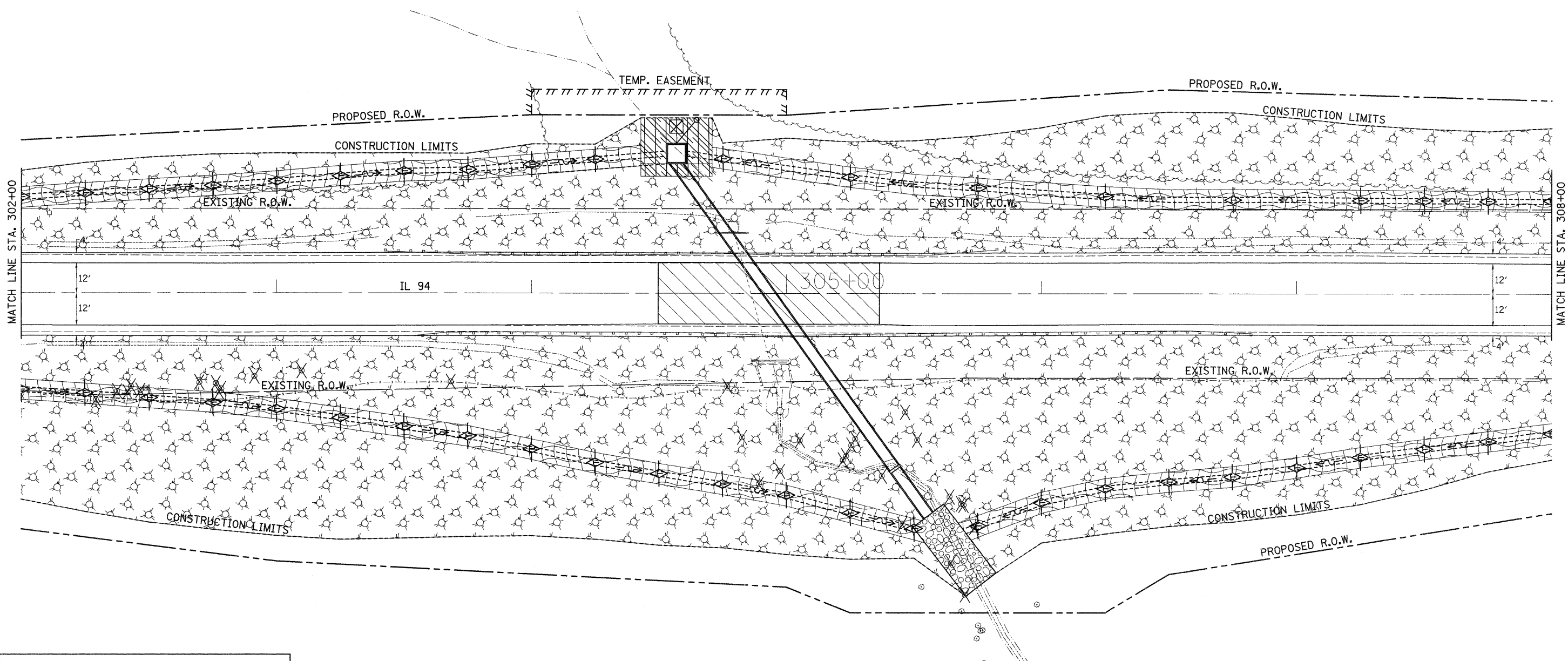
- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



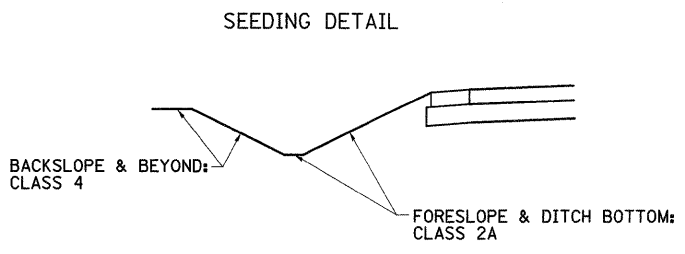
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ci\pwwork\pwwork\grantpm\0184877\0212107\sh-erosion.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	68	
PLOT SCALE = 20,0000' / 1"		CHECKED -	REVISED -			SCALE: SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64D72			
PLOT DATE = Thu Jun 23 08:19:00 2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

EROSION CONTROL DETAILS



- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
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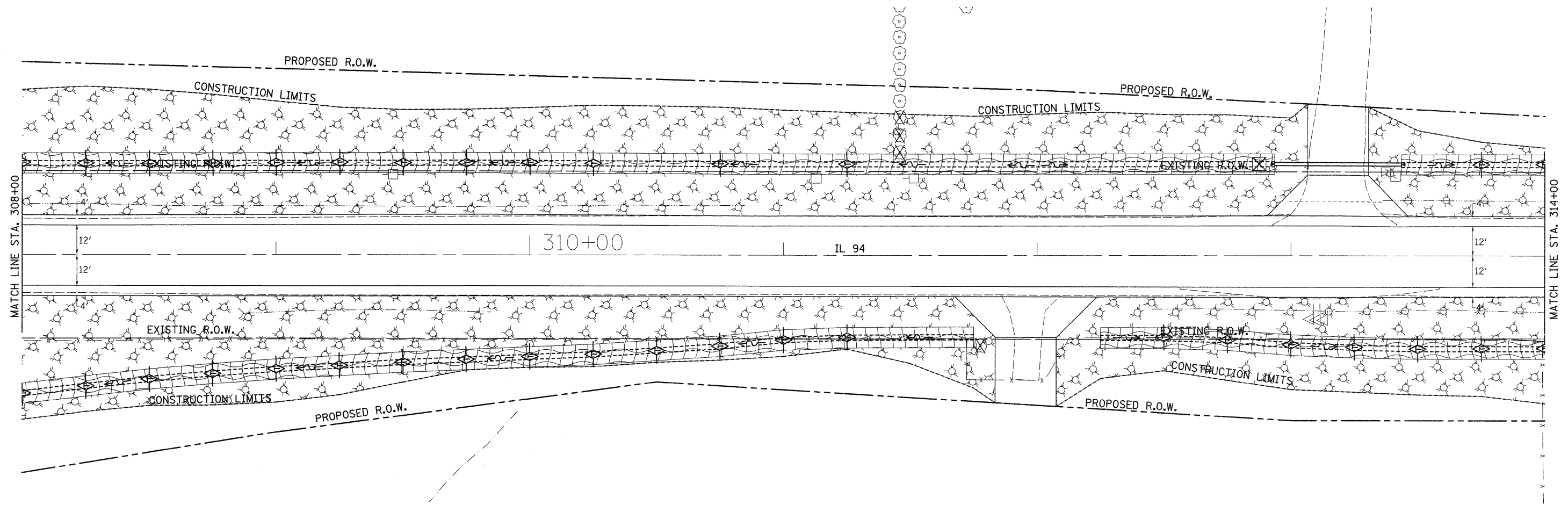
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL DETAILS

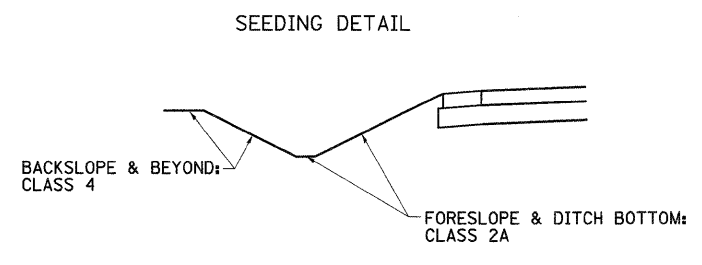
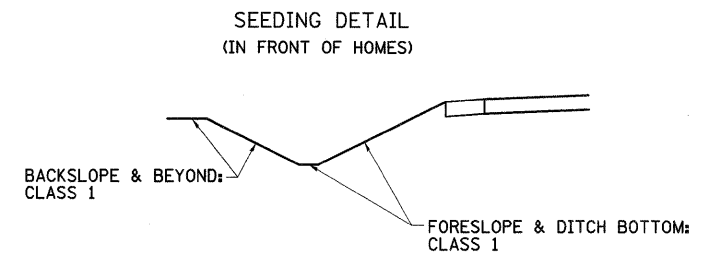
SCALE: SHEET NO. OF SHEETS STA. TO STA.

* 221,213 & 220 ** ROCK ISLAND & MERCER COUNTY		F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		*	(19,20)RS-2	**	231	69
CONTRACT NO. 64D72					ILLINOIS FED. AID PROJECT	

EROSION CONTROL DETAILS

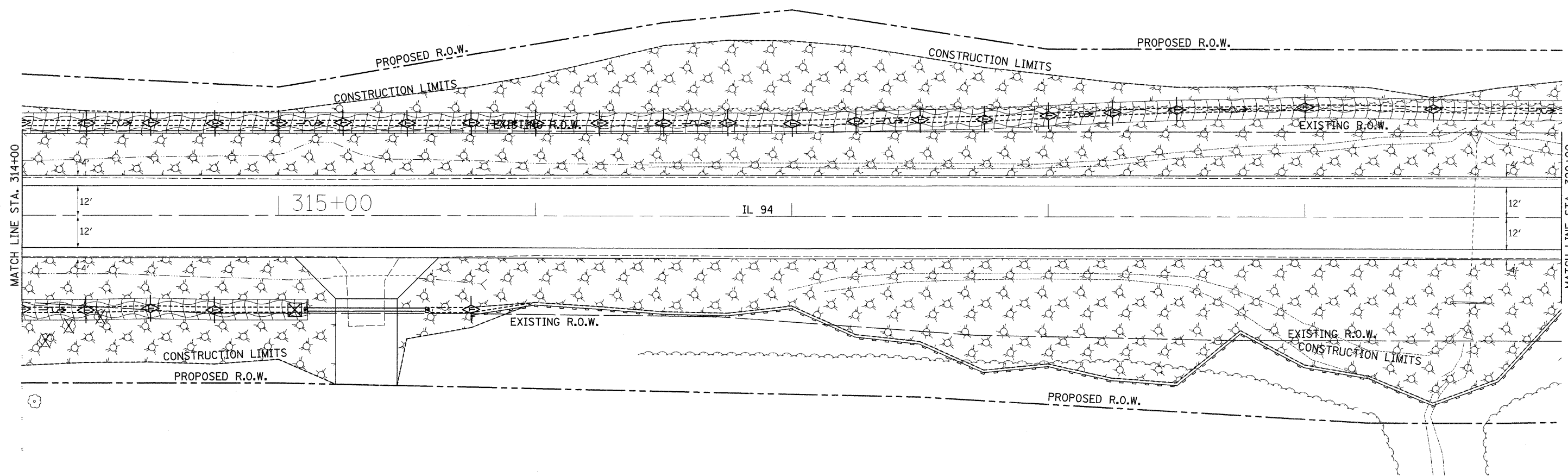


- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT

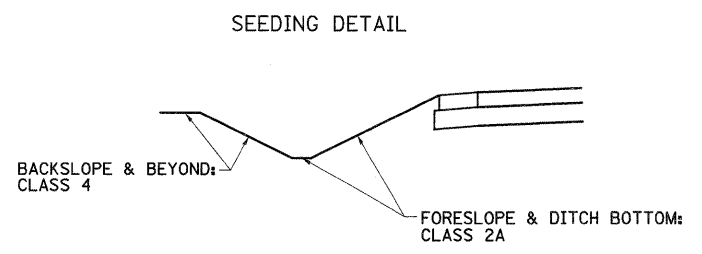
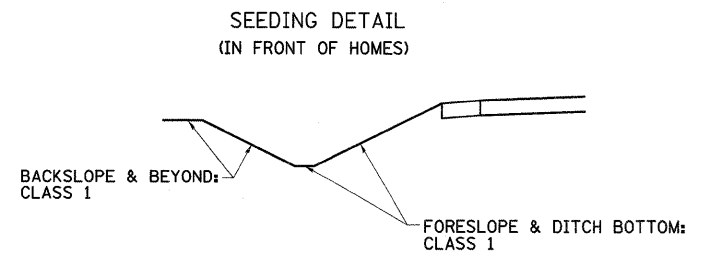


FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EROSION CONTROL DETAILS	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = Thu Jun 23 08:19:02 2011	DATE -	CHECKED -	REVISED -			CONTRACT NO. 64D72					
						ILLINOIS FED. AID PROJECT					

EROSION CONTROL DETAILS



- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

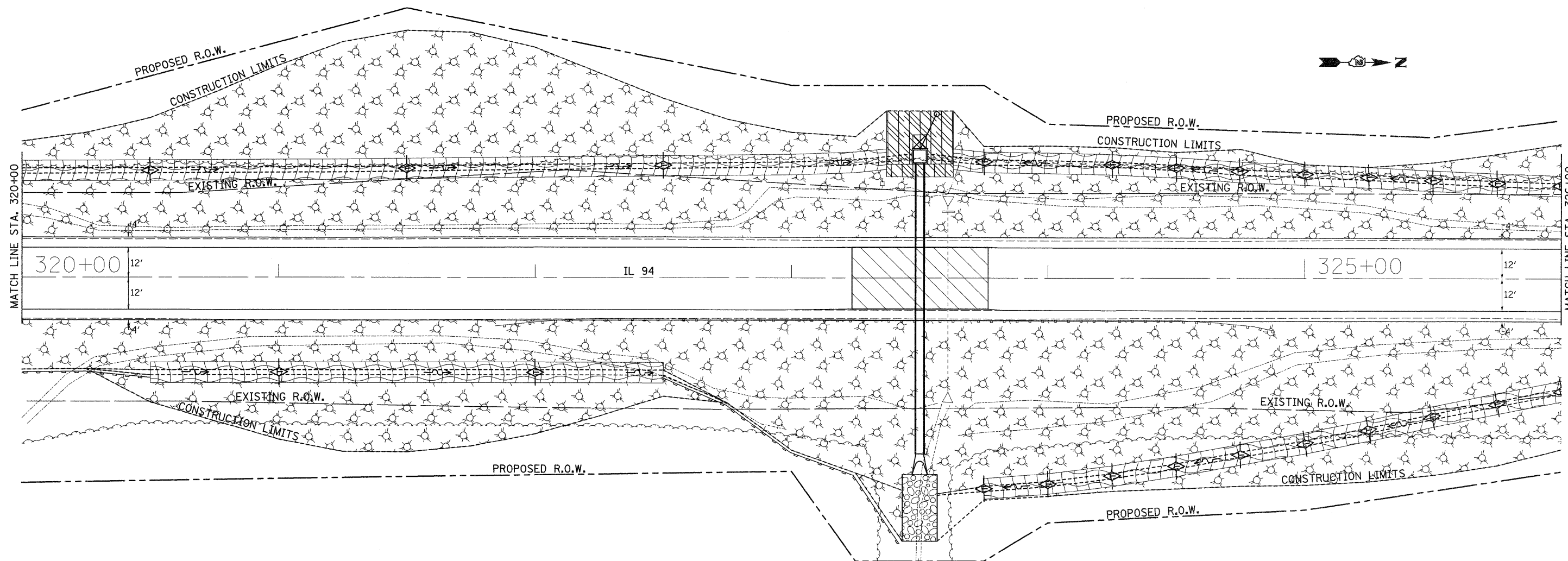
EROSION CONTROL DETAILS

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

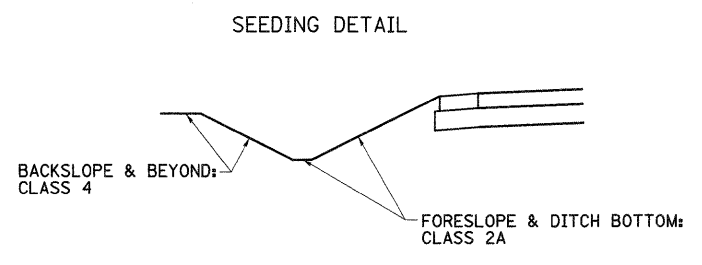
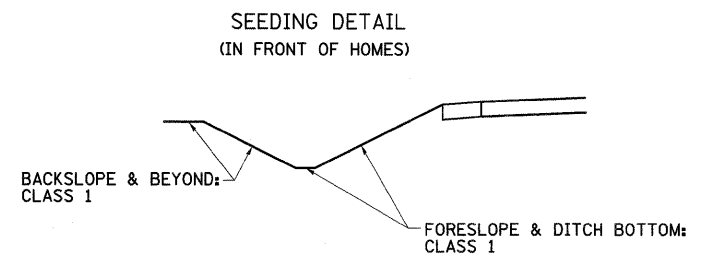
* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	71
CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL DETAILS



- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
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		CHECKED -	REVISED -
		DATE -	REVISED -

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

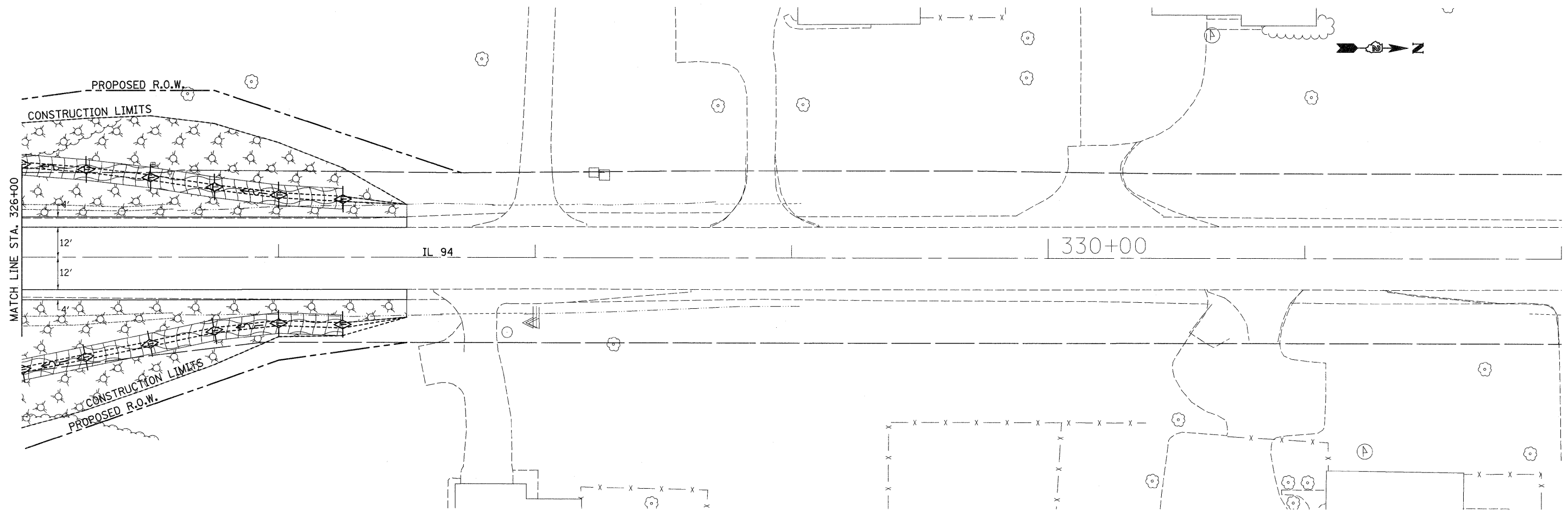
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL DETAILS

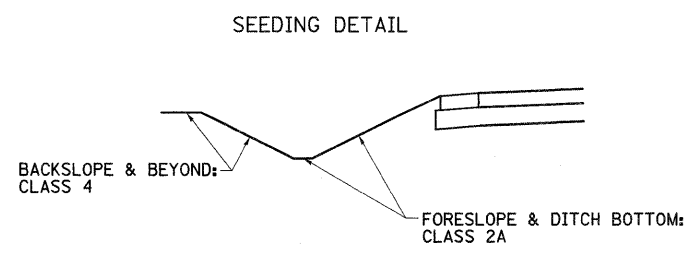
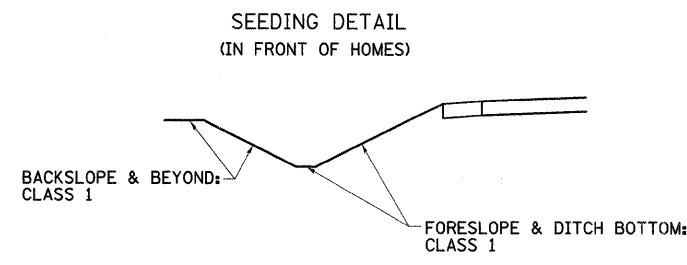
SCALE: SHEET NO. OF SHEETS STA. TO STA.

* 221,213 & 220 ** ROCK ISLAND & MERCER COUNTY				
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	72
CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL DETAILS



- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

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PLOT DATE = Thu Jun 23 08:14:04 2011		DATE -	REVISED -

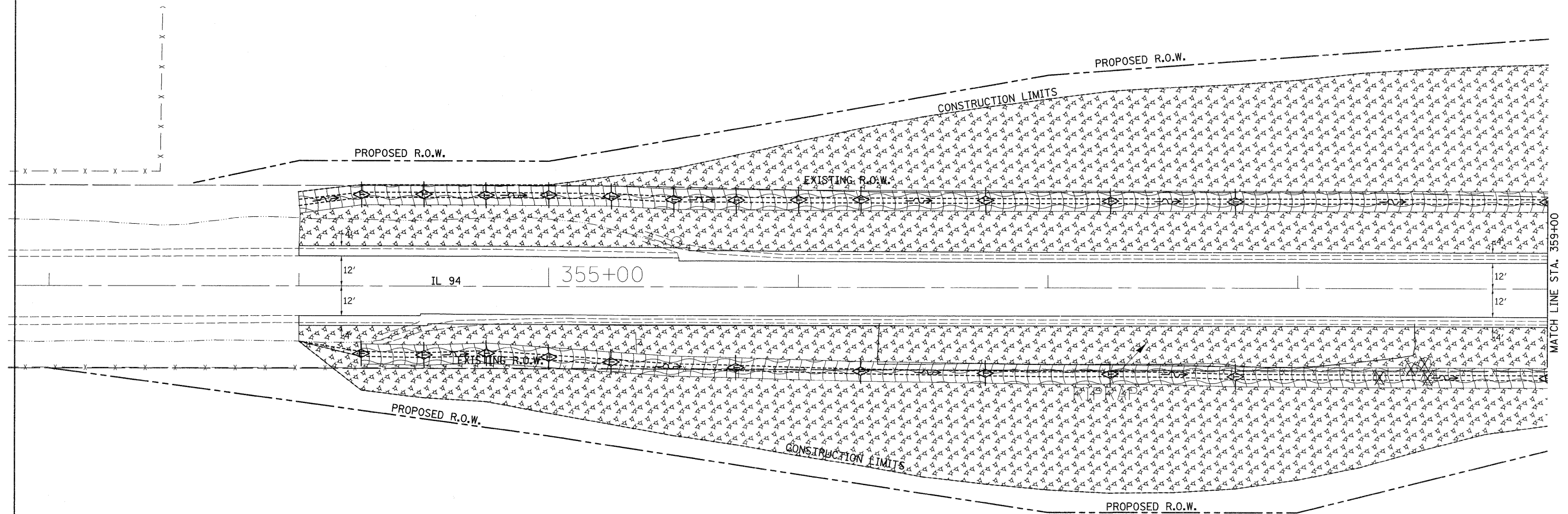
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








EROSION CONTROL DETAILS

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

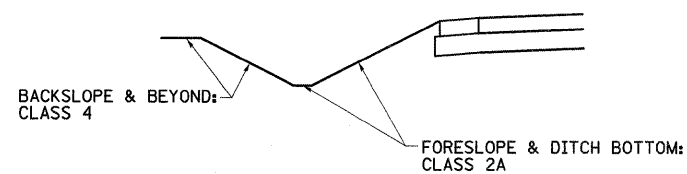
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	73
CONTRACT NO. 64D72				
[ILLINOIS] FED. AID PROJECT				

EROSION CONTROL DETAILS



-  = MULCH METHOD 3
-  = TEMPORARY DITCH CHECKS
-  = EROSION CONTROL BLANKET
-  = PERIMETER EROSION BARRIER
-  = INLET PIPE PROTECTION
-  = RIP RAP
-  = TURF REINFORCEMENT MAT

SEEDING DETAIL



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
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PLOT DATE = Thu Jun 23 08:19:05 2011		DATE -	REVISED -

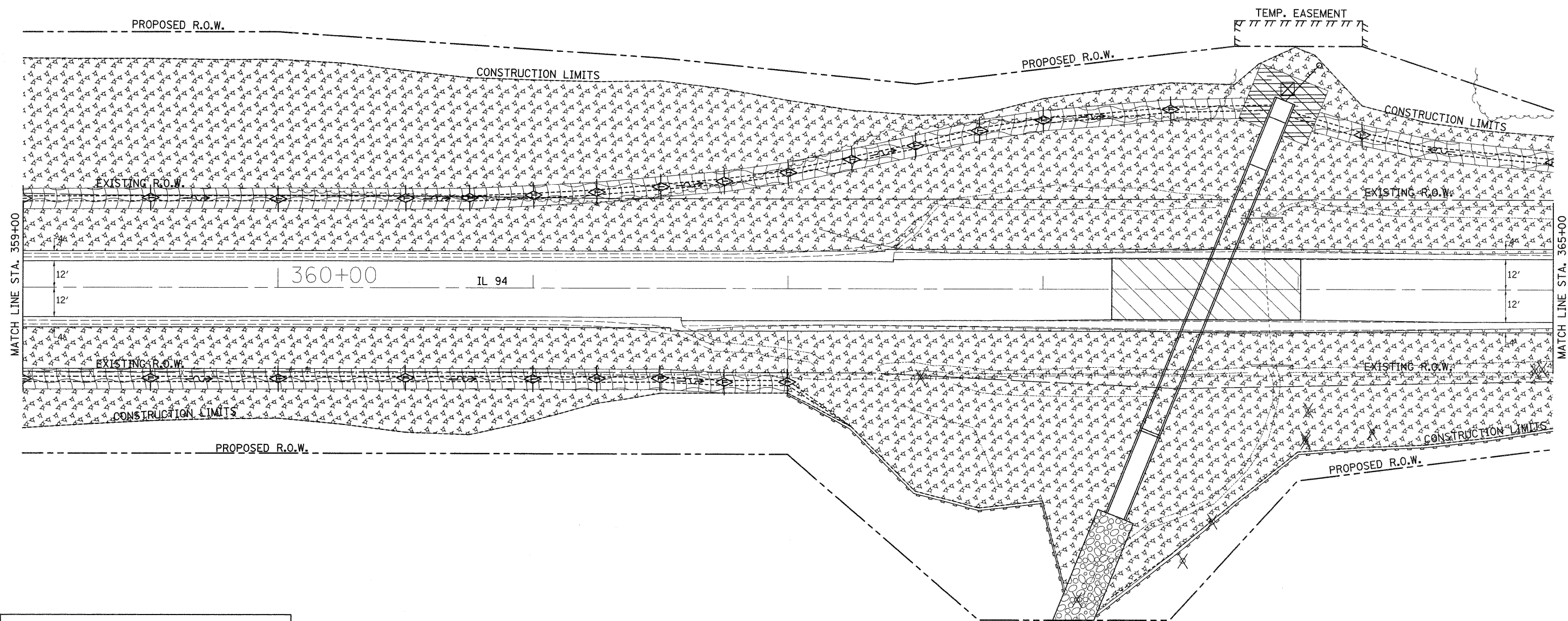
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








EROSION CONTROL DETAILS

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

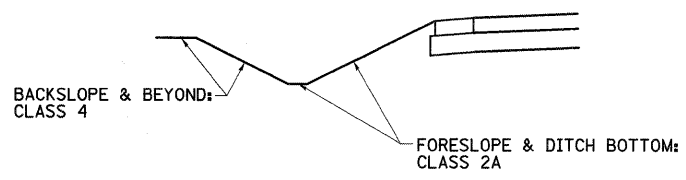
* 221,213 & 220		** ROCK ISLAND & MERCER COUNTY	
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	(19,20)RS-2	**	231
		CONTRACT NO. 64D72	
ILLINOIS FED. AID PROJECT			

EROSION CONTROL DETAILS



-  = MULCH METHOD 3
-  = TEMPORARY DITCH CHECKS
-  = EROSION CONTROL BLANKET
-  = PERIMETER EROSION BARRIER
-  = INLET PIPE PROTECTION
-  = RIP RAP
-  = TURF REINFORCEMENT MAT

SEEDING DETAIL



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
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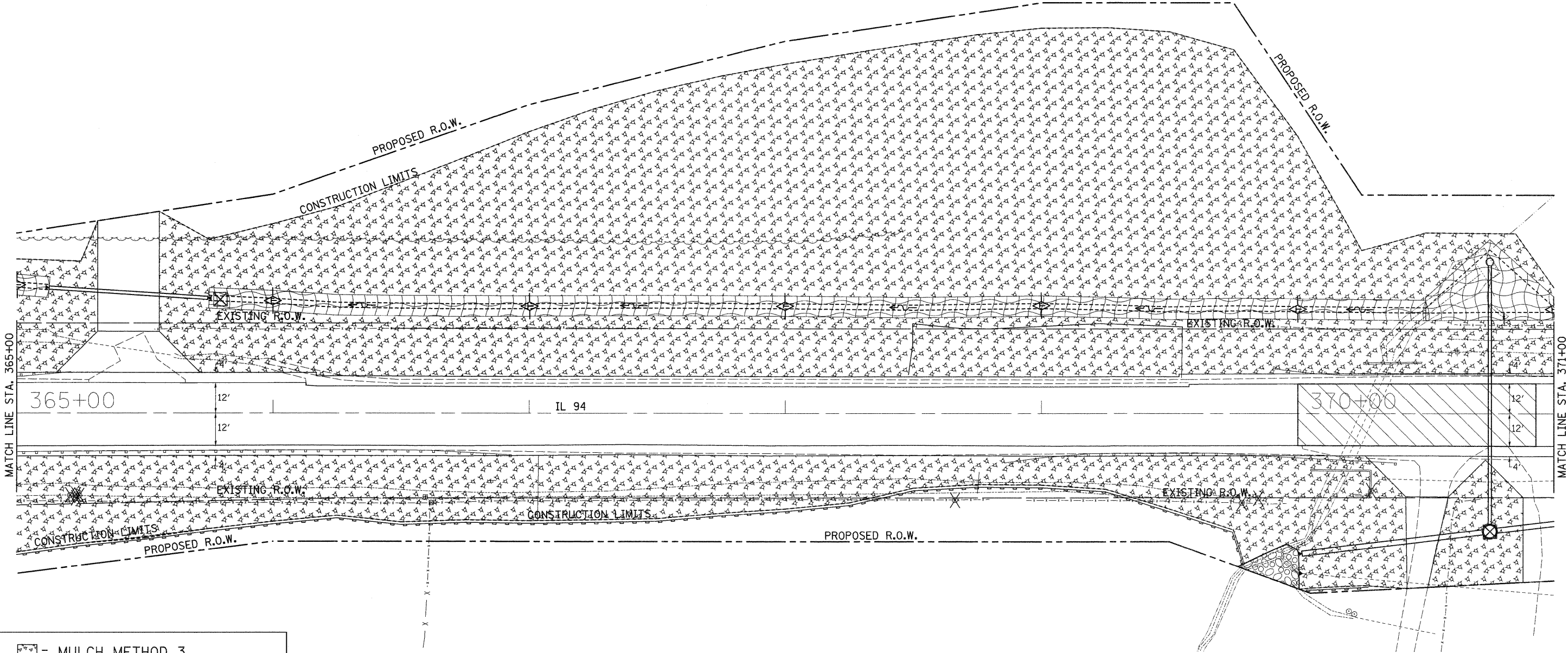
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL DETAILS

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

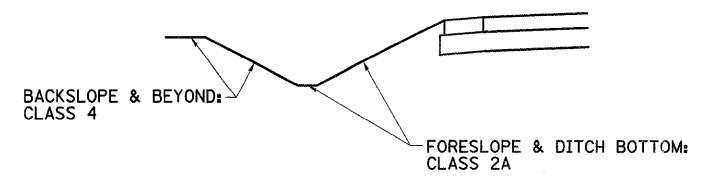
* 221,213 & 220		** ROCK ISLAND & MERCER COUNTY	
F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	(19,20)RS-2	**	231
		SHEET NO. 75	
		CONTRACT NO. 64D72	
(ILLINOIS) FED. AID PROJECT			

EROSION CONTROL DETAILS



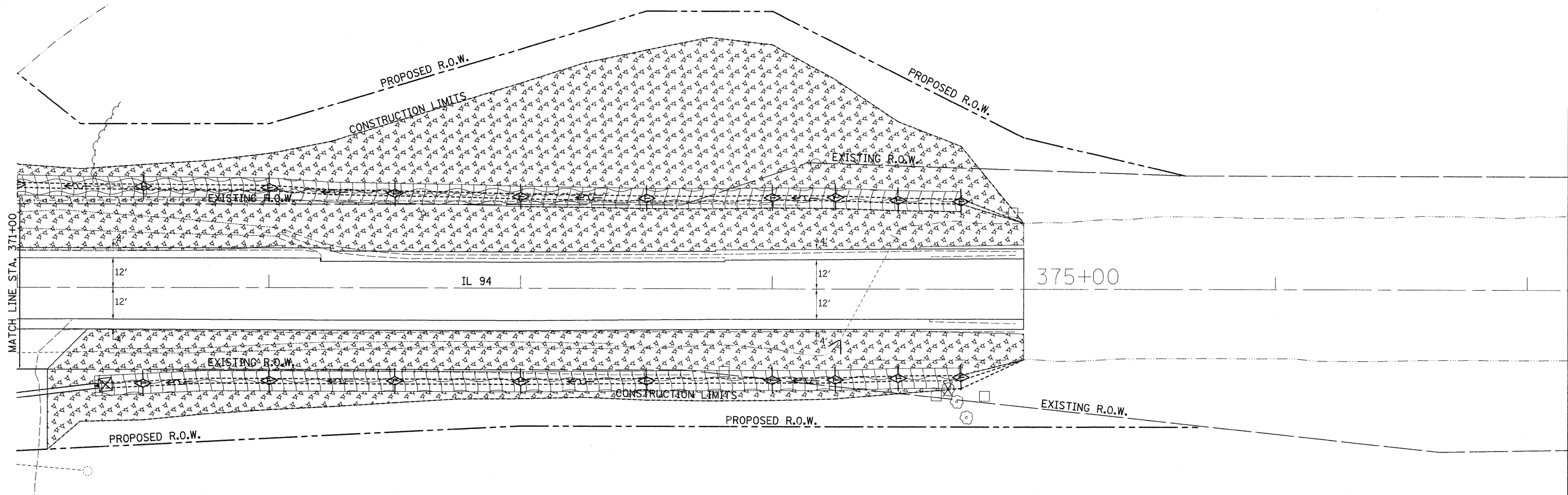
- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT








SEEDING DETAIL

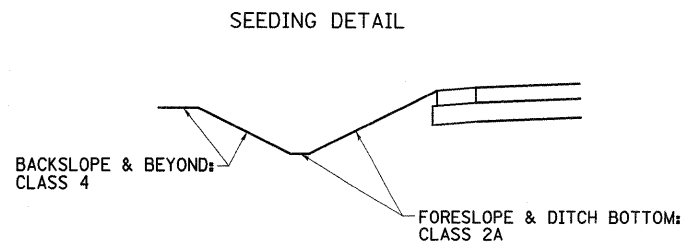


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PLOT DATE = Thu Jun 23 08:14:07 2011	DATE -	CHECKED -	REVISED -			CONTRACT NO. 64D72					
						ILLINOIS FED. AID PROJECT					

EROSION CONTROL DETAILS



-  = MULCH METHOD 3
-  = TEMPORARY DITCH CHECKS
-  = EROSION CONTROL BLANKET
-  = PERIMETER EROSION BARRIER
-  = INLET PIPE PROTECTION
-  = RIP RAP
-  = TURF REINFORCEMENT MAT



FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
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	PLOT DATE = Thu Jun 23 08:41:08 2011	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

EROSION CONTROL DETAILS

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


* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	77
CONTRACT NO. 64D72				
ILLINOIS FED. AID PROJECT				

BORING LOGS

STA. 23 + 02.76

SN 066-1001



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 9/4/96

ROUTE FAS 221 DESCRIPTION P92-123-07 IL 94 over stream, 2.5 m. W. of Reynolds LOGGED BY C. Jenkins


SECTION (19, 20) RS-2 LOCATION Edgington Twp. - SE 1/4 - Sec. 33, SEC., TWP. 16N, RNG. 3W

COUNTY Rock Island DRILLING METHOD _____ HAMMER TYPE _____

STRUCT. NO. Station	B L O S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O S	U C S	M O I S T	Groundwater Elev.: First Encounter Upon Completion After _____ Hrs.	D E P T H	B L O S	U C S	M O I S T
935+63				86.20 ft 85.60 ft									
B-1n 935+58													
10.00ft Rt CL													
99.90 ft													
Asphalt													
MEDIUM brown SILTY CLAY with some GRAVEL		0.8	16.0										
		P		78.40									
VERY STIFF tan/brown SILTY CLAY	3												
	5	2.1	25.0										
	6	S		75.90									
STIFF tan with rust SILTY CLAY	2												
	4	1.2	26.0										
	4	B		72.90									
MEDIUM brown/tan SANDY GRAVEL	2												
	2												
	16			70.90									
MEDIUM black SILTY LOAM with some GRAVEL	2												
	3	1.0	33.0										
	4	B		68.40									
MEDIUM black SILTY LOAM	2												
	2	0.7	34.0										
	4	S		65.90									
STIFF tan SILTY CLAY TILL	4												
	5	1.4	14.0										
	8	B		63.40									
VERY STIFF tan SILTY CLAY TILL	4												
	6	2.3	16.0										
	10	B		60.90									

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, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 6/21/10

ROUTE FAS 221 DESCRIPTION P92-123-07 Box Culvert on IL 94, .6 m. W. of 105th Street LOGGED BY W. Garza

SECTION (19, 20) RS-2 LOCATION Edgington Twp. - 33SE - Rock Island, SEC., TWP., RNG.

COUNTY Rock Island DRILLING METHOD _____ HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	B L O S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O S	U C S	M O I S T	Groundwater Elev.: First Encounter Upon Completion After _____ Hrs.	D E P T H	B L O S	U C S	M O I S T
935+63				89.00 ft 88.00 ft									
B-1m 935+76													
10.00ft Lt CL													
100.00 ft													
10" Asphalt													
VERY STIFF gray SILTY CLAY LOAM TILL													
				78.50									
STIFF tan SILTY CLAY LOAM	4												
	3	1.0	22.0										
	7	P		76.00									
MEDIUM light brown SILTY LOAM	3												
	3	0.8	28.0										
	4	P		73.50									
VERY SOFT brown SILTY CLAY LOAM	0												
	1	0.2	35.0										
	1	P		71.00									
SOFT gray LOAM with ORGANICS	0												
	1	0.3	31.0										
	3	P		68.50									
SOFT gray LOAM with SAND lens	0												
	1	0.3	27.0										
	2	B		66.00									
VERY STIFF gray SILTY CLAY LOAM TILL	2												
	2	2.0	16.0										
	5	B		63.50									
VERY STIFF gray SILTY CLAY LOAM TILL	3												
	4	2.1	17.0										
	6	B		61.00									


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, from 137 (Rev. 8-99)

BORING LOGS

STA. 138 + 18

SN 066-1002



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 6/19/07

ROUTE FAS 221 DESCRIPTION P92-123-07 box culvert on IL 94, .3 m. E. of Sunset Street LOGGED BY J. Strating


SECTION (19, 20) RS-2 LOCATION Edgington Twp. - 36SE, SEC. , TWP. 16N, RNG. 3W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO. <u>B-1g</u> Station <u>779+12</u> Offset <u>10.00ft Lt. CL</u> Ground Surface Elev. <u>99.60</u> ft					Groundwater Elev.: First Encounter <u>82.6</u> ft Upon Completion <u>Dry</u> ft After <u> </u> Hrs.				
14" Asphalt			0.8 P	18.0	VERY STIFF gray CLAY LOAM TILL (continued)	78.60	10 12	3.7 B	18.0
MEDIUM black SILTY CLAY LOAM	97.60				VERY STIFF gray CLAY LOAM TILL		5 7 10		17.0
MEDIUM dark gray SILTY CLAY LOAM	96.10	1 3 4	1.0 P	25.0		76.10			
MEDIUM gray/green SILTY CLAY LOAM	93.60	2 3 5	1.0 P	23.0	VERY STIFF gray/tan CLAY LOAM TILL	73.60	5 6 8	2.8 B	15.0
MEDIUM gray SILTY LOAM	91.10	3 3	0.8 P	30.0	VERY STIFF tan/brown CLAY LOAM TILL	71.10	3 6	2.0 B	18.0
MEDIUM black SILTY LOAM	88.60	1 2 3	0.5 P	44.0	VERY STIFF tan CLAY LOAM TILL	68.60	5 8 12	2.7 B	14.0
SOFT gray SILTY LOAM with SAND lens	86.10	2 1 3	0.4 B	27.0	HARD tan/brown CLAY LOAM TILL	66.10	9 11 18	6.3 B	14.0
STIFF gray CLAY LOAM	83.10	1 3 4	1.2 B	21.0	HARD tan/brown CLAY LOAM TILL	63.60	7 11 16	5.1 B	13.0
VERY STIFF gray CLAY LOAM TILL	81.10	2 4 8	3.3 B	22.0	End of Boring				
	-20	6				-40			

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, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1
Date 6/25/07

ROUTE FAS 221 DESCRIPTION P92-123-07 Box culvert on IL 94, .3 m. E. of Sunset Street LOGGED BY J. Strating

SECTION (19, 20) RS-2 LOCATION Edgington Twp. - 36SE, SEC. , TWP. 16N, RNG. 3W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO. <u>B-2g</u> Station <u>779+00</u> Offset <u>52.00ft Rt. CL</u> Ground Surface Elev. <u>93.40</u> ft					Groundwater Elev.: First Encounter <u>63.9</u> ft Upon Completion <u> </u> ft After <u> </u> Hrs.				
MEDIUM dark brown SILTY LOAM			0.5 P	29.0	STIFF gray CLAY LOAM TILL (continued)	72.40	7 8	1.3 B	17.0
MEDIUM tan/gray SILTY CLAY LOAM	91.40	2 4	1.0 B	26.0	VERY STIFF gray CLAY LOAM TILL		6 7 12		13.0
SOFT tan/gray SILTY CLAY LOAM	89.90	3			VERY STIFF gray CLAY LOAM TILL	69.90			
MEDIUM tan/gray SILTY CLAY LOAM	87.40	2 2	0.3 B	28.0	HARD gray CLAY LOAM TILL	67.40	7 10	4.5 B	14.0
STIFF gray SILTY LOAM	84.90	0 2	0.5 B	26.0	HARD tan/gray CLAY LOAM TILL	64.90	7 14		
VERY STIFF gray CLAY LOAM	82.40	1 2	1.5 B	25.0	End of Boring	62.40	8 12 16	4.1 B	14.0
HARD gray CLAY LOAM TILL	79.40	4 5 8	2.4 B	22.0					
HARD gray CLAY LOAM TILL	77.40	8 10 12	5.1 B	15.0					
HARD gray CLAY LOAM TILL	74.90	9 11 15	4.5 B	16.0					
STIFF gray CLAY LOAM TILL	-20	5				-40			


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, from 137 (Rev. 8-99)

BORING LOGS

STA. 304 + 93

SN 081-1032



SOIL BORING LOG

Page 1 of 1

Date 6/8/07

ROUTE FAS 221 DESCRIPTION P92-123-07 Box culvert on IL 94, 1.7 m. s. of IL 192 & Taylor Ridge LOGGED BY J. Strating


SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19SW, SEC. , TWP. 16N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
647+75					77.0 ft 69.5 ft				
B-1j 647+49									
9.00ft LI CL									
99.50									
15" Asphalt									
MEDIUM gray/brown SILTY CLAY LOAM			1.0	25.0					
97.00									
MEDIUM tan/brown SILTY CLAY LOAM			0.7	26.0					
95.50									
MEDIUM gray/brown SILTY LOAM									
93.00									
MEDIUM gray/brown SILTY LOAM									
90.50									
STIFF dark gray SILTY CLAY LOAM									
88.00									
MEDIUM gray SILTY LOAM									
85.50									
MEDIUM gray SILTY CLAY with ORGANICS									
82.50									
STIFF tan LOAM TILL									
80.50									

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, from 137 (Rev. 8-99)



SOIL BORING LOG

Page 1 of 1

Date 6/12/07

ROUTE FAS 221 DESCRIPTION P92-123-07 box culvert on IL 94, 1.7 m. s. of IL 192 & Taylor Ridge LOGGED BY W. Garza

SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19SW, SEC. , TWP. 16N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S	M O I S T	Surface Water Elev. Stream Bed Elev.	D E P T H	B L O W S	U C S	M O I S T
647+73.5					77.6 ft Dry				
B-2j 647+90									
13.00ft RI CL									
99.60									
Shoulder Rock									
MEDIUM brown SILTY CLAY LOAM			0.6	17.0					
97.60									
STIFF gray/tan SILTY CLAY LOAM									
96.10									
SOFT brown SILTY LOAM									
93.60									
MEDIUM brown SILTY LOAM									
91.10									
STIFF black SILTY CLAY LOAM									
88.60									
STIFF gray SILTY CLAY									
86.10									
MEDIUM gray SILTY CLAY									
83.10									
STIFF gray LOAM TILL with SAND lens									
81.10									

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, from 137 (Rev. 8-99)

BORING LOGS

STA. 323 + 50

SN 081-1115



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 1

ROUTE FAS 221 DESCRIPTION P92-123-07 Box culvert on IL 94, 1.3 m. S. of IL 192 and Taylor Ridge LOGGED BY W. Garza
SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19NW, SEC. , TWP. 16N, RNG. 2W
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	Dry ft ft	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO. <u>B-1d</u> Station <u>629+27</u> Offset <u>62.00ft Lt CL</u> Ground Surface Elev. <u>86.30</u> ft					Groundwater Elev.: First Encounter <u>73.8</u> ft Upon Completion <u>52.3</u> ft After _____ Hrs.					
MEDIUM brown SILTY CLAY LOAM			0.5 P	19.0	VERY STIFF gray CLAY LOAM TILL		5 7 12	3.3 B	13.0	
STIFF brown SILTY CLAY LOAM	83.80	3			VERY STIFF gray CLAY LOAM TILL		5 7 8	2.3 B	16.0	
	82.30	4 5	1.2 B	26.0						
MEDIUM brown SILTY CLAY LOAM		1	0.9 B	27.0	VERY STIFF gray CLAY LOAM TILL		5 6 7	2.8 B	17.0	
	79.80	3 4								
SOFT tan SILTY CLAY		1	0.4 B	25.0	STIFF gray LOAM TILL with SILT lens		4 6 8	1.4 B	19.0	
	77.30	1 2								
SOFT tan LOAM		1	0.3 B	25.0	STIFF gray LOAM TILL		2 6 7	1.6 B	17.0	
	74.80	1 2								
MEDIUM tan LOAM		0	0.6 B	22.0	VERY STIFF gray LOAM TILL		3 6 8	2.1 B	19.0	
	71.80	1 2								
STIFF tan SILTY CLAY LOAM TILL		1	1.3 B	18.0	VERY STIFF gray SILTY CLAY TILL		3 5 7	2.1 B	20.0	
	69.80	2 5			End of Boring					
STIFF gray SILTY CLAY TILL		3	17.0 B	18.0						
	67.30	4 7								

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, from 137 (Rev. 8-99)



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 1 of 2

ROUTE FAS 221 DESCRIPTION P92-123-07 Box culvert on IL 94, 1.3 m. S. of IL 192 and Taylor Ridge LOGGED BY J. Strating
SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19NW, SEC. , TWP. 16N, RNG. 2W
COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. Station	D E P T H	B L O W S	U C S Qu	M O I S T	Surface Water Elev. Stream Bed Elev.	Dry ft ft	D E P T H	B L O W S	U C S Qu	M O I S T
BORING NO. <u>B-2d</u> Station <u>628+82</u> Offset <u>14.00ft Rt CL</u> Ground Surface Elev. <u>99.60</u> ft					Groundwater Elev.: First Encounter <u>74.6</u> ft Upon Completion _____ ft After _____ Hrs.					
MEDIUM tan SILTY CLAY LOAM			0.5 P	21.0	SOFT tan/brown CLAY LOAM TILL		0 2 4	0.4 B	19.0	
No Recovery	97.10	1			STIFF gray CLAY LOAM TILL		3 4 6	1.2 B	20.0	
	95.60	2 3								
MEDIUM gray SILTY LOAM		0	0.8 P	27.0	VERY STIFF gray CLAY LOAM TILL		2 3 6	2.0 B	23.0	
	93.10	1 3								
SOFT gray SILTY LOAM with ORGANICS		1	0.4 B	29.0	STIFF gray CLAY LOAM TILL		4 5 8	1.8 B	22.0	
	90.60	1 3								
SOFT gray SILTY LOAM		1	0.5 P	35.0	VERY STIFF gray CLAY		4 6 9	2.8 S	24.0	
	88.10	1 2								
SOFT tan SILTY LOAM		2	0.4 B	30.0	VERY STIFF gray CLAY LOAM TILL		3 6 10	2.8 S	25.0	
	85.60	2 2								
STIFF tan/brown CLAY LOAM		2	1.2 B	23.0	VERY STIFF gray CLAY LOAM TILL		3 7 10	2.7 B	25.0	
	82.60	3 4								
SOFT tan/brown CLAY LOAM TILL		1	0.4 B	19.0	VERY STIFF gray CLAY LOAM TILL		4 5 8	2.4 B	18.0	
	80.60	2 3								

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, from 137 (Rev. 8-99)

BORING LOGS

STA. 323 + 50

SN 081-1115



Illinois Department
of Transportation
Division of Highways
Illinois Department of Transportation/D-2

SOIL BORING LOG

Page 2 of 2

Date 6/8/07

ROUTE FAS 221 DESCRIPTION P92-123-07 Box culvert on IL 94, 1.3 m. S. of IL 192 and Taylor Ridge LOGGED BY J. Strating

SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 19NW, SEC. , TWP. 16N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE B-53 Diedrich Automatic

STRUCT. NO. _____	D	B	U	M	Surface Water Elev. _____ ft
Station <u>629+00</u>	E	L	C	O	Stream Bed Elev. _____ ft
	P	O	S	I	
BORING NO. <u>B-2d</u>	T	W	Qu	S	Groundwater Elev.: _____
Station <u>628+82</u>	H	S		T	First Encounter _____ ft
Offset <u>14.00ft Rt CL</u>					Upon Completion _____ ft
Ground Surface Elev. <u>99.60</u> ft	(ft)	(/6")	(tst)	(%)	After _____ Hrs. _____ ft

STIFF gray CLAY LOAM TILL	4	5	1.9	19.0	
58.10	7	B			
End of Boring					
-45					
-50					
-55					
-60					

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, from 137 (Rev. 8-99)

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -
ct:\pw_work\pwidot\grantpm\0184077\021207-sht-logs.dgn		DRAWN -	REVISED -
PLOT SCALE = 50.0000' / 1in.		CHECKED -	REVISED -
PLOT DATE = Thu Jun 23 08:02:26 2011		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BORING LOGS

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

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	82
CONTRACT NO. 64D72			ILLINOIS FED. AID PROJECT	

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

BORING LOGS

STA. 363 + 65

SN 081-1114

Page 1 of 1

SOIL BORING LOG

Date 6/14/07

ROUTE FAS 221 DESCRIPTION Box culvert on IL 94, .6 m. S. of IL 192 LOGGED BY J. Strating

SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 18SW, SEC. , TWP. 16N, RNG. 2W

COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
	P	O	S	I		P	O	S	I
	T	W	Qu	S	Groundwater Elev.:	H	W	Qu	T
	H	S			First Encounter	(ft)	(/6")	(tsf)	(%)
					Upon Completion				
					After				
					Hrs.				
588+68					85.50				
B-1c					None				
588+42					Dry				
46.00ft Rt CL									
91.70									
STIFF gray SILTY CLAY LOAM				14.0	STIFF gray SILTY CLAY TILL				
89.20					VERY STIFF gray/tan CLAY LOAM TILL				
87.70									
					HARD gray CLAY LOAM TILL				
85.20									
					STIFF gray CLAY LOAM TILL				
82.70									
					VERY STIFF gray SILTY CLAY LOAM TILL				
80.20									
					VERY STIFF gray CLAY LOAM TILL				
77.70									
					VERY STIFF gray CLAY LOAM TILL				
74.70									
					VERY STIFF gray CLAY LOAM TILL				
72.70									
					VERY STIFF gray CLAY LOAM TILL				
					End of Boring				

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, from 137 (Rev. 8-99)

Page 1 of 1

SOIL BORING LOG

Date 6/25/07

ROUTE FAS 221 DESCRIPTION Box culvert on IL 94, .6 m. S. of IL 192 LOGGED BY J. Strating

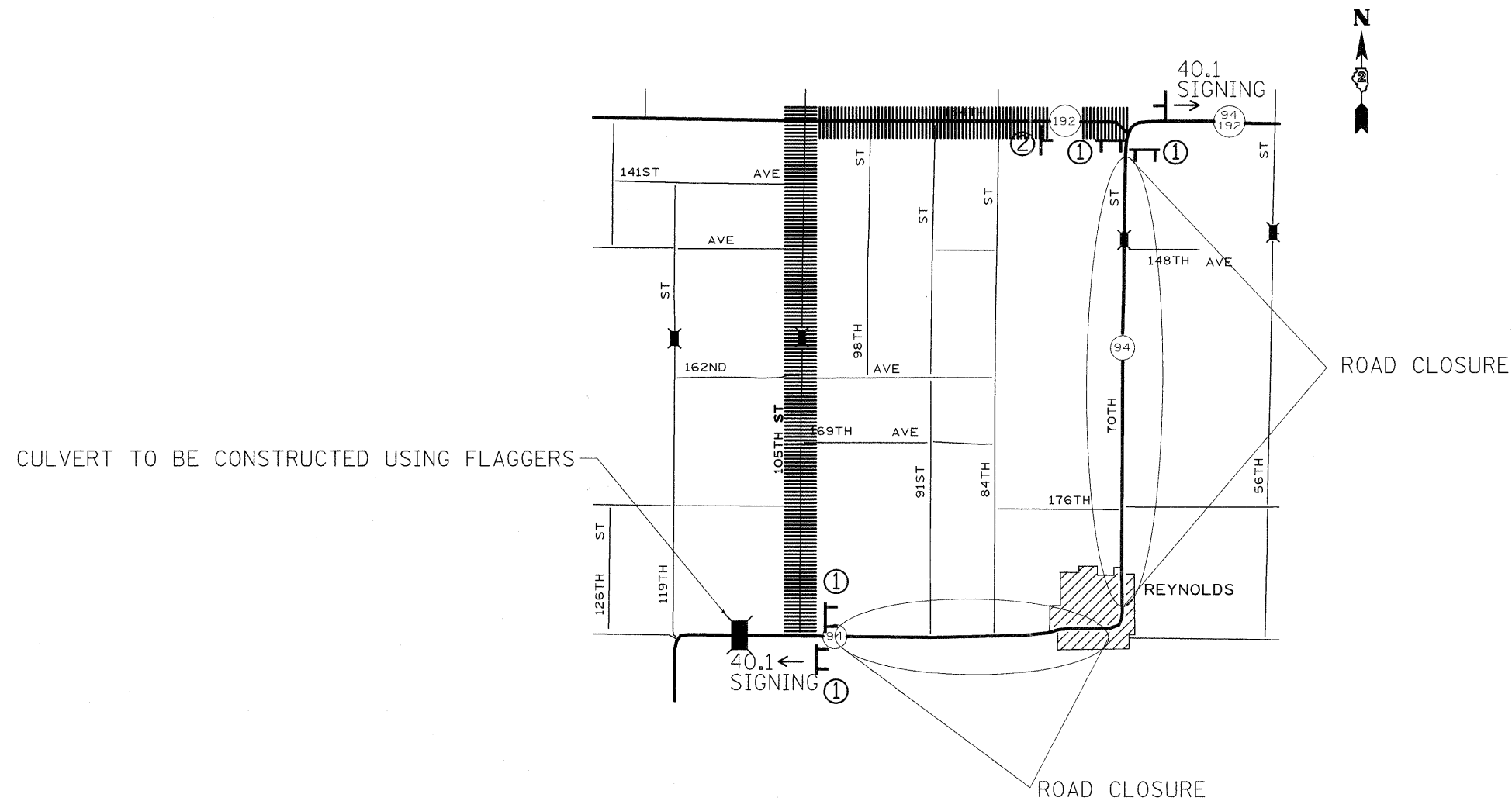
SECTION (19, 20) RS-2 LOCATION Bowling Twp. - 18SW, SEC. , TWP. 16N, RNG. 2W




COUNTY Rock Island DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO.	D	B	U	M	Surface Water Elev.	D	B	U	M
Station	E	L	C	O	ft	E	L	C	O
	P	O	S	I		P	O	S	I
	T	W	Qu	S	Groundwater Elev.:	H	W	Qu	T
	H	S			First Encounter	(ft)	(/6")	(tsf)	(%)
					Upon Completion				
					After				
					Hrs.				
588+68					85.70				
588+85					85.50				
B-2c					79.3				
588+85					Dry				
40.00ft Lt CL									
88.80									
13" Asphalt					HARD tan CLAY LOAM TILL (continued)				
SOFT brown SILTY CLAY LOAM									
86.80					VERY STIFF tan CLAY LOAM TILL				
85.30									
					VERY STIFF gray CLAY LOAM TILL				
82.30									
					HARD gray CLAY LOAM TILL				
80.30									
					HARD gray CLAY LOAM TILL				
77.30									
					MEDIUM gray clean fine SAND				
75.30									
					HARD tan CLAY LOAM TILL with SAND lens				
72.80									
					HARD tan CLAY LOAM TILL				
70.30									
					End of Boring				

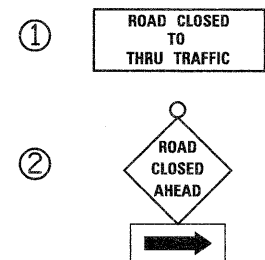
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
 The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)
 BBS, from 137 (Rev. 8-99)

DETOUR ROUTE



-  DETOUR ROUTE
-  TYPE III BARRICADES WITH FLASHERS PLACED AS SHOWN IN STANDARD 701901.
-  ROAD CLOSED X MILE(S) SIGN WITH SUPPLEMENTAL PLATES AS REQUIRED IN THE SPECIAL PROVISIONS

THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER LUMP SUM FOR TRAFFIC CONTROL FOR ROAD CLOSURE.



MOUNT BELOW ROAD CLOSED AHEAD AS APPLICABLE

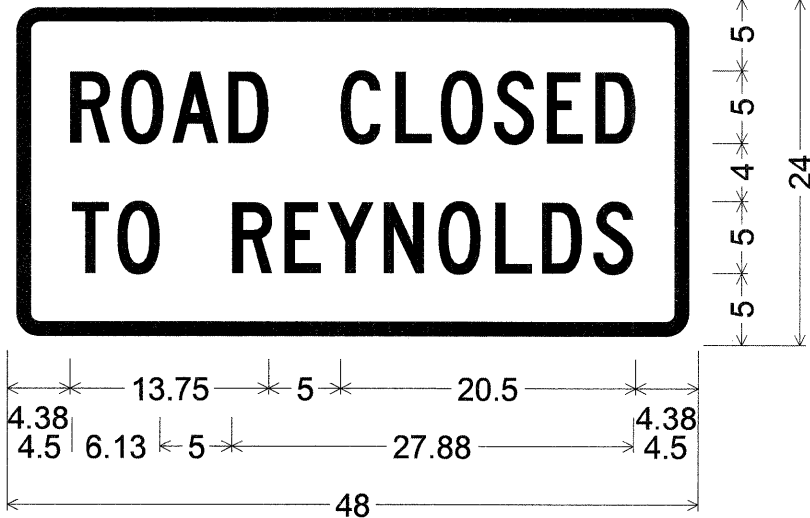
ROAD CLOSED TO REYNOLDS

OPEN

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

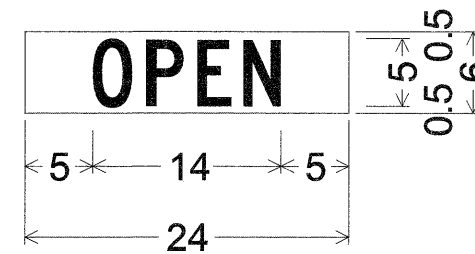
FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETOUR ROUTE			F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
es:\pw_work\pwsdot\grantpm\d0184077\0212107-sht-details.dgn		DRAWN -	REVISED -					*	(19,20)RS-2	**	231	84
PLOT SCALE = 50,0000' / 1".		CHECKED -	REVISED -					CONTRACT NO. 64D72				
PLOT DATE = Thu Jun 23 08:02:22 2011		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				
				SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.			

SIGNING DETAIL



2.25" Radius, 1.00" Border, 0.63" Indent, Black on Orange;
 [ROAD CLOSED] C 2K;
 [TO REYNOLDS] C 2K;
 Table of letter and object lefts.

R	O	A	D				
4.38	7.88	11.50	15.38				
C	L	O	S	E	D		
23.13	27.00	30.13	33.75	37.50	40.88		
T	O						
4.50	7.63						
R	E	Y	N	O	L	D	S
15.63	19.25	22.25	26.13	30.00	33.88	37.13	40.75

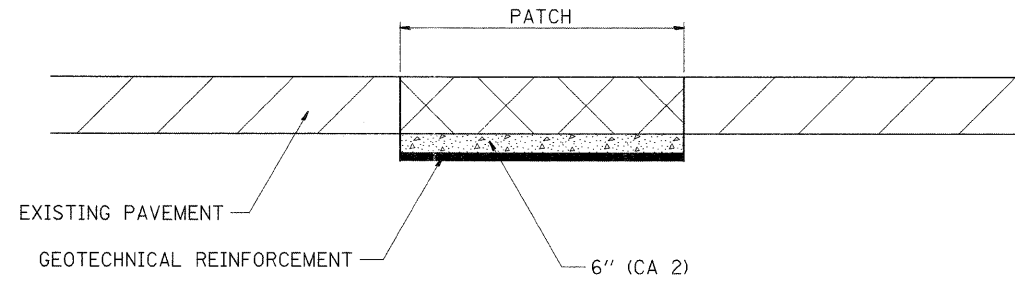


No border, Black on Orange;
 [OPEN] C 2K;
 Table of letter and object lefts.

O	P	E	N
5.0	9.0	12.8	16.1

* 221,213 & 220
 ** ROCK ISLAND & MERCER COUNTY

SUBGRADE REPLACEMENT DETAIL



NOTES:

THE CA 2 SHALL BE COMPACTED IN A MANNER APPROVED BY THE ENGINEER. IF THE MOISTURE CONTENT OF THE MATERIAL IS SUCH THAT COMPACTION SATISFACTORY TO THE ENGINEER CANNOT BE OBTAINED, SUFFICIENT WATER SHALL BE ADDED SO THAT SATISFACTORY COMPACTION CAN BE OBTAINED.

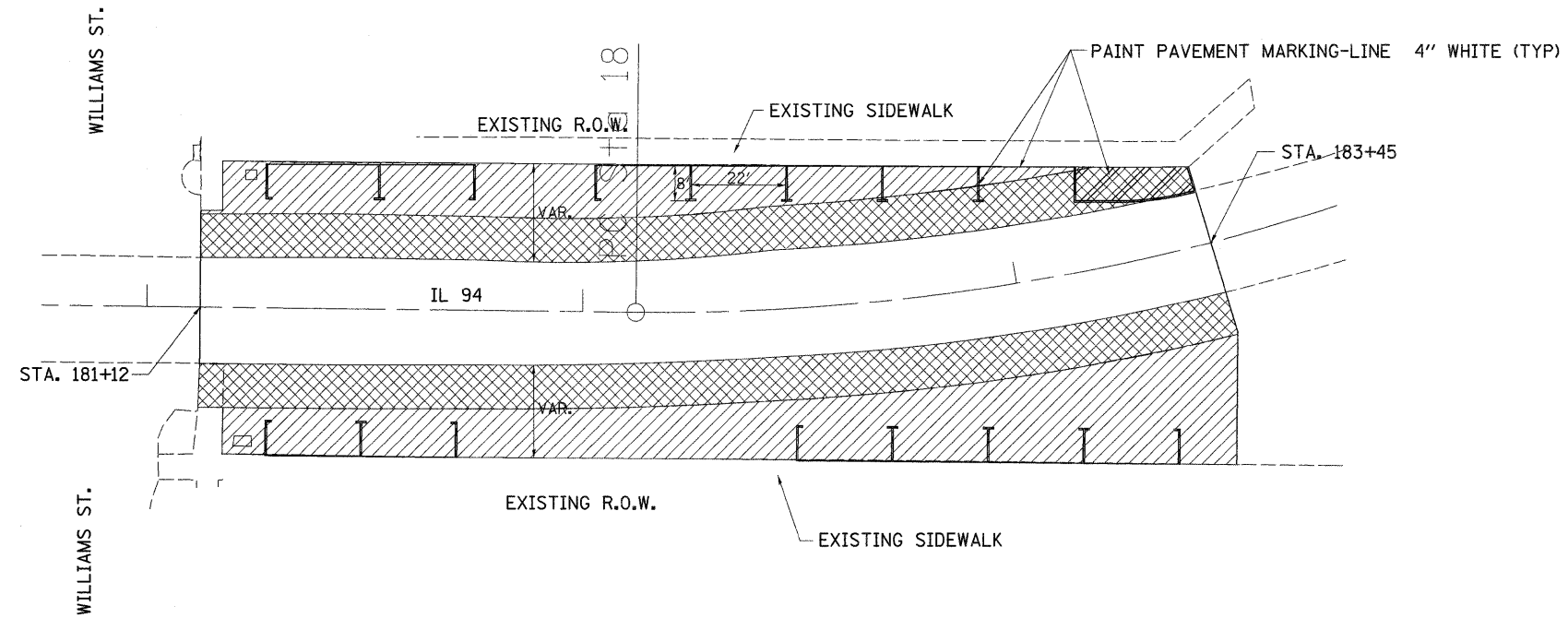
THE CA 2 WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CU YD FOR GRANULAR SUBGRADE REPLACEMENT

THE GEOTECHNICAL REINFORCEMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQ YD FOR GEOTECHNICAL REINFORCEMENT

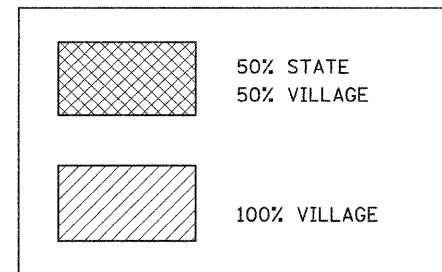
* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUBGRADE REPLACEMENT DETAIL	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\p\dot\grantpm\d0184077\0212307-ahtr-details.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	86	
PLOT SCALE = 50.0000' / 1"		CHECKED -	REVISED -			CONTRACT NO. 64072		ILLINOIS FED. AID PROJECT			
PLOT DATE = Thu Jun 23 08:02:23 2011		DATE -	REVISED -			SCALE:	SHEET NO. OF SHEETS	STA. TO STA.			

VILLAGE OF REYNOLDS DETAIL



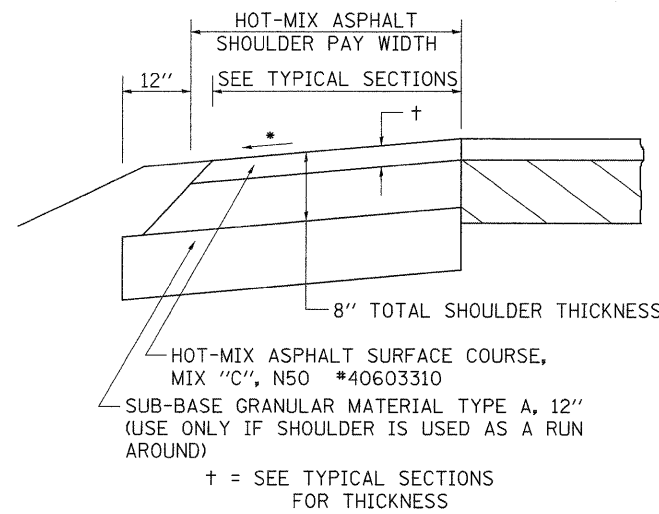
LEGEND
COST PARTICIPATION



* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	VILLAGE OF REYNOLDS DETAIL	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
c:\pw_work\pwidot\grantpm\d0184077\0212107-sht-detail.dgn		DRAWN -	REVISED -			*	(19,20)RS-2	**	231	87	
PLOT SCALE = 20,0000' / 1in.		CHECKED -	REVISED -			CONTRACT NO. 64D72					
PLOT DATE = Thu Jun 23 08:02:24 2011		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO. OF SHEETS		STA.	TO STA.		

HOT-MIX ASPHALT SHOULDER



GENERAL NOTES

THE HOT-MIX ASPHALT SHOULDER SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 482 EXCEPT THE TOP LIFT SHALL BE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. THE WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310 AND SQUARE YARD FOR HOT-MIX ASPHALT SHOULDERS OF THE THICKNESS SPECIFIED.

USE HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310. WHEN RESURFACING EXISTING HOT-MIX ASPHALT SHOULDERS. THE THICKNESS IS SHOWN ON THE TYPICAL SECTIONS. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50 #40603310.

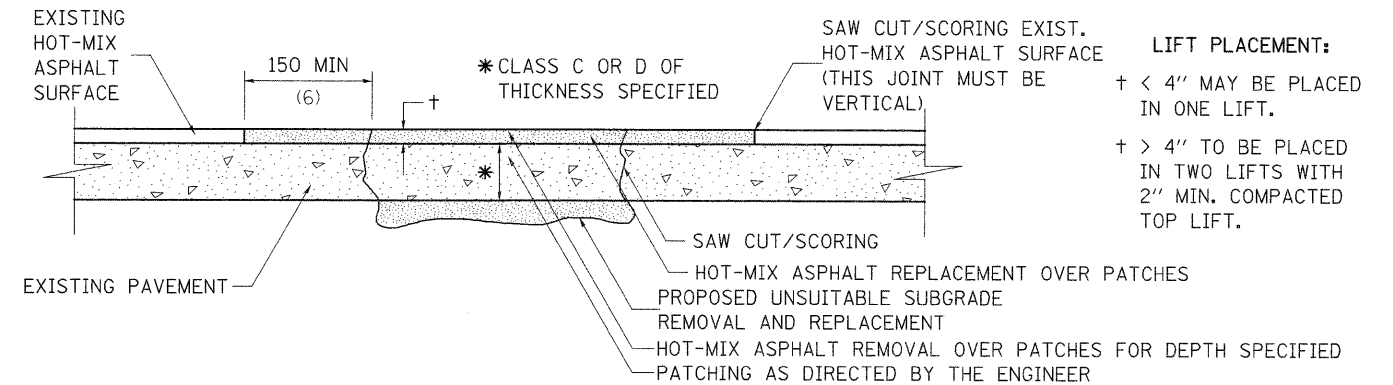
REMOVAL OF MATERIAL FOR PLACEMENT OF THE HOT-MIX ASPHALT SHOULDER TO BE PAID FOR IN UNITS FOR EXCAVATING AND GRADING EXISTING SHOULDERS OR IN CUBIC YARDS FOR EARTH EXCAVATION OR EARTH EXCAVATION WIDENING.

* 4% WHEN MAINLINE IS ON TANGENT. FOR CROSS SLOPE ON SUPERELEVATION SECTION, SEE HIGHWAY STANDARD 482001 OR 482006.

REVISED - 6-06-11

HOT-MIX ASPHALT SHOULDER 23.4a

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT



SEQUENCE OF CONSTRUCTION:

1. REMOVE THE EXISTING HOT-MIX ASPHALT SURFACE.
2. RESIDENT ENGINEER WILL DETERMINE IF LOCATION IS TO BE PATCHED OR TO ONLY REPLACE HOT-MIX ASPHALT SURFACE.
3. REMOVE AND REPLACE FULL DEPTH PATCHES AT LOCATIONS DIRECTED BY THE ENGINEER.
4. REPLACE HOT-MIX ASPHALT SURFACE OVER FULL DEPTH PATCHES AND AT LOCATIONS OF HOT-MIX ASPHALT SURFACE REMOVAL.

GENERAL NOTES:

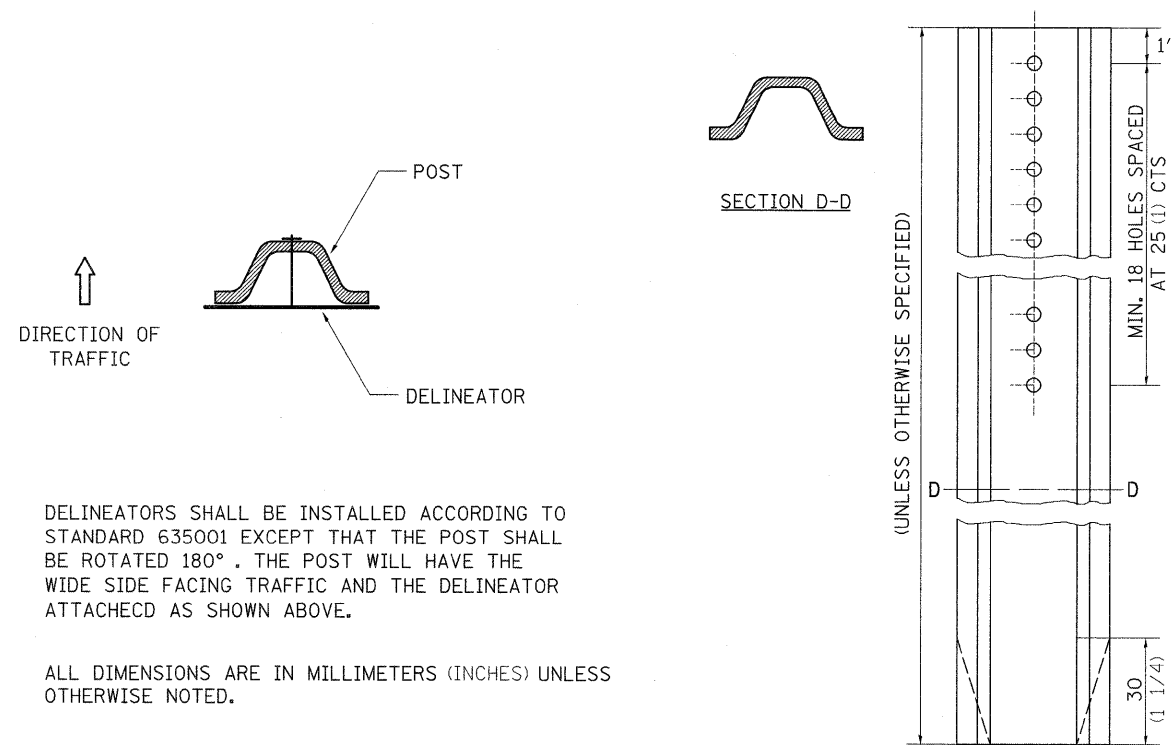
1. FOR BASIS OF PAYMENT: SEE THE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 5-27-09

PAVEMENT PATCHING FOR HOT-MIX ASPHALT SURFACED PAVEMENT 32.4

DELINEATOR AND POST ORIENTATION



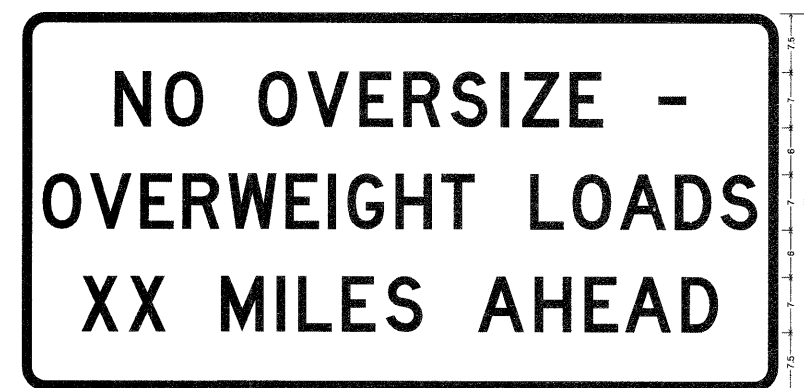
DELINEATORS SHALL BE INSTALLED ACCORDING TO STANDARD 635001 EXCEPT THAT THE POST SHALL BE ROTATED 180°. THE POST WILL HAVE THE WIDE SIDE FACING TRAFFIC AND THE DELINEATOR ATTACHED AS SHOWN ABOVE.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 11-01-07

DELINEATOR AND POST ORIENTATION 37.4

ROAD CLOSED TO OVERSIZED LOADS



Permit Loads - Loads Over 13 Feet 3.0" Radius, 1.3" Border, Black on Orange; (NO OVERSIZE -); D; (OVERWEIGHT LOADS) D 85% spacing; (XX MILES AHEAD) D;

Table of letter and object lefts.

N	0	V	E	R	S	I	Z	E						
11.7	18.1	30.0	36.2	42.5	48.4	50.7	53.5	59.9						
O	V	E	R	W	E	I	D	H	T	L	O	A	D	S
2.8	8.6	15.0	20.4	26.2	33.4	38.8	41.3	47.4	53.2	64.5	69.9	75.9	82.9	88.7
X	X	M	I	L	E	S	A	H	E	A	D			
7.6	13.9	25.3	32.3	35.1	40.6	46.2	57.9	65.1	71.4	78.9	83.7			

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

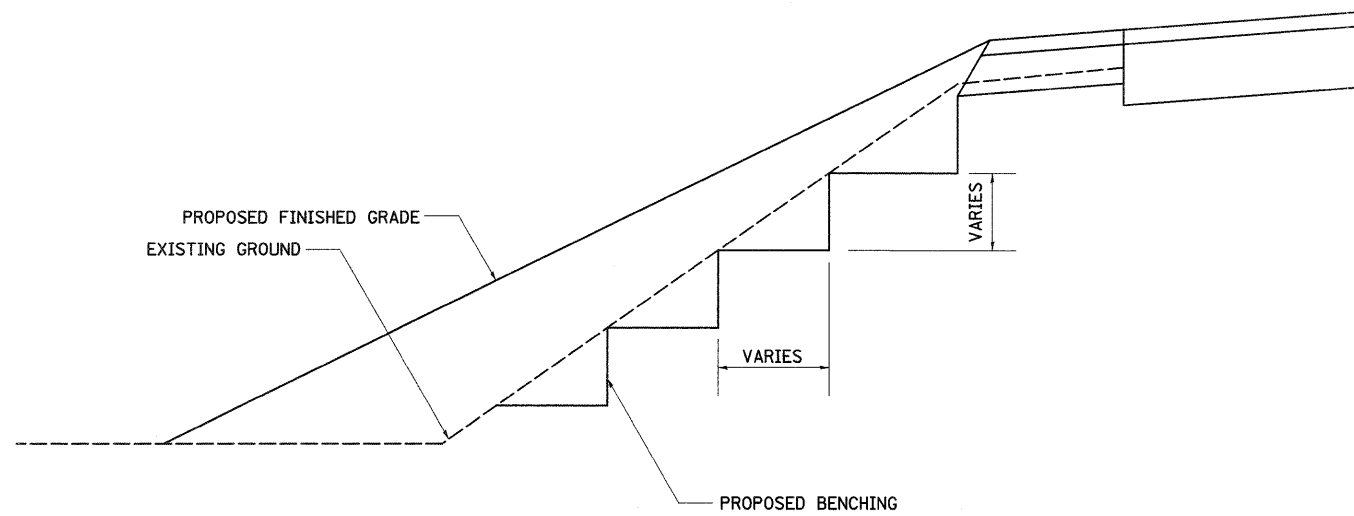
* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

REVISED - 3-11-09	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		*	(19,20)RS-2	**	231	88
REVISED -		SCALE: 1/2" = 1'-0"	SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64D72	
REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

PLOT DATE = Thu Jun 23 08:02:24 2011

ROAD CLOSED TO OVERSIZED LOADS 40.4

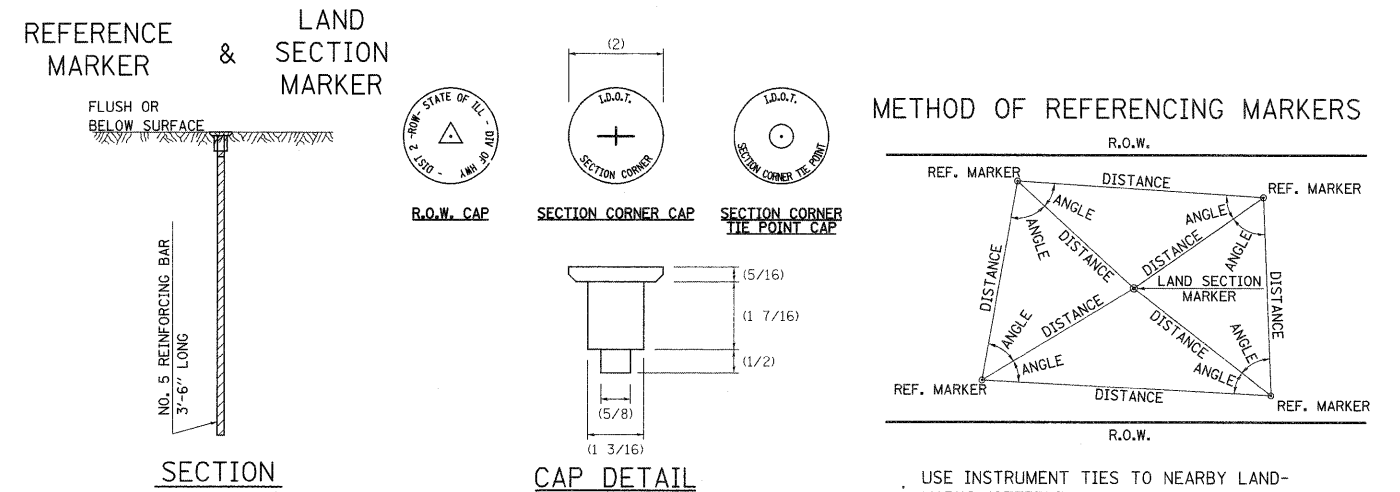
TYPICAL BENCHING ON EXISTING EMBANKMENT



TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

REVISED - 2-22-06

LAND SECTION & REFERENCE MARKERS



METHOD OF REFERENCING POINTS

REFERENCE MARKERS SHALL BE USED TO TIE IN PERMANENT LAND SECTION AND 1/4 SECTION CORNERS. WHERE LAND SECTION MARKERS FALL IN THE SHOULDERS OR GRAVEL SURFACES, THE TOP OF THE BAR SHALL BE KEPT 3" BELOW THE SURFACE. LAND SECTION MARKERS LOCATED IN TRAFFIC LANES SHALL BE REPLACED BY CORE DRILL AND RESETTING PIN.

ALUMINUM CAPS SHALL BE PLACED ON TOP OF THE REINFORCEMENT BAR. THERE ARE 3 TYPES OF CAPS, ONE FOR THE RIGHT-OF-WAY CORNERS, ONE FOR THE SECTION CORNERS AND ONE FOR THE SECTION CORNER TIE POINTS. THE CAPS WILL BE SUPPLIED BY THE SURVEYOR WHO IS RESPONSIBLE FOR MONUMENTING CORNERS.

REVISED - 03-05-10

- USE INSTRUMENT TIES TO NEARBY LAND-MARKS (STEEPLES, TOWERS, SILOS, ETC...)
- IN CULTIVATED FIELDS, SET 28" OR MORE BELOW GROUND SURFACE.
- IN FENCE LINE OR PROTECTED AREA SET TOP AT GROUND LEVEL SO AS NOT TO BE DISTURBED BY MOWING.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

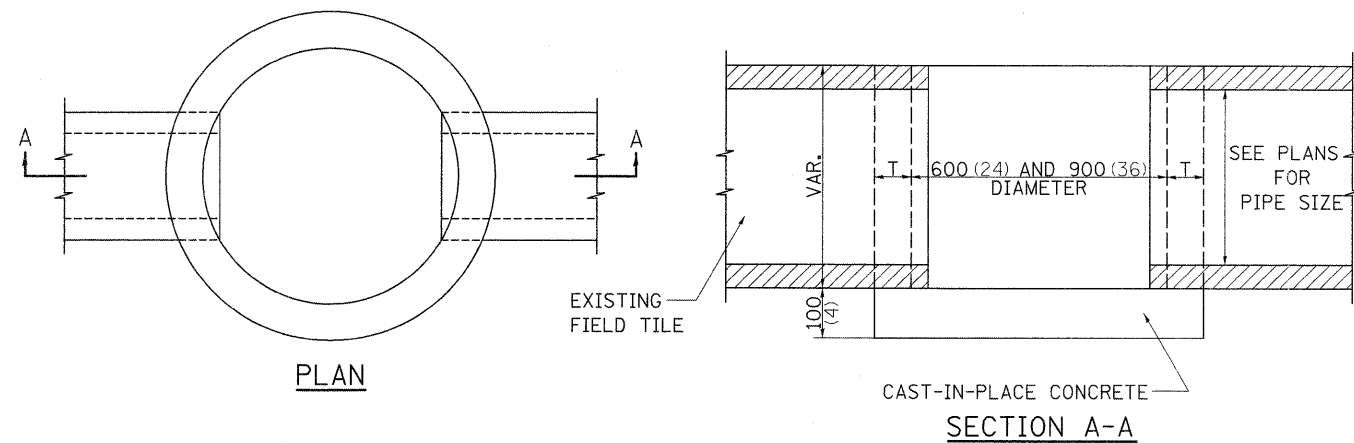
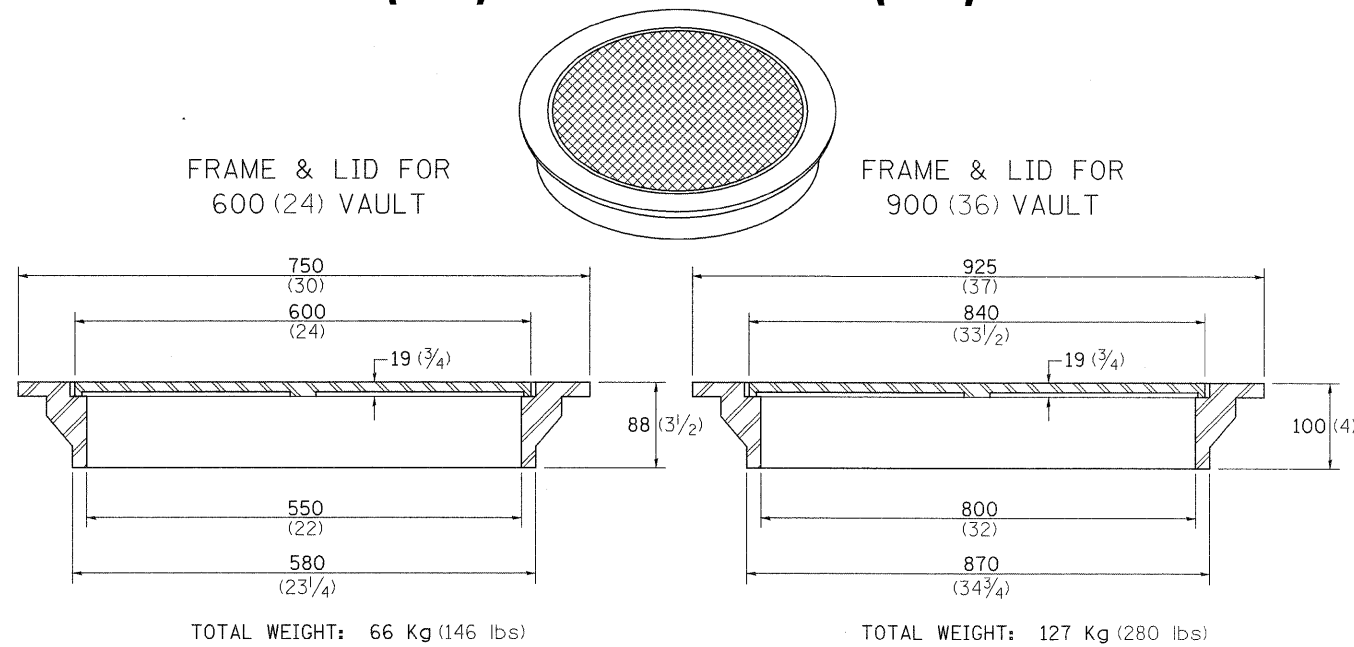
LAND SECTION & REFERENCE MARKERS 63.4

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.S. 1	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		*	(19,20)RS-2	**	231	89
REVISED -		CONTRACT NO. 64072				
REVISED -		SCALE: 50,000' / 1" SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

PLOT DATE = Thu Jun 23 08:02:25 2011

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

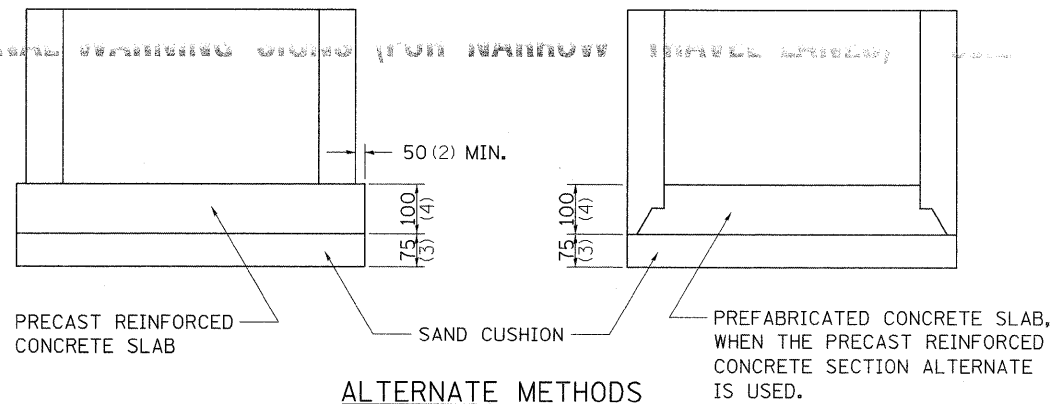
FIELD TILE JUNCTION VAULTS 600 (24) AND 900 (36) DIA.



ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	200 (8)
CAST-IN-PLACE CONCRETE	150 (6)
CONCRETE MASONRY UNIT	125 (5)
PRECAST REINFORCED CONCRETE SECTION	75 (3)

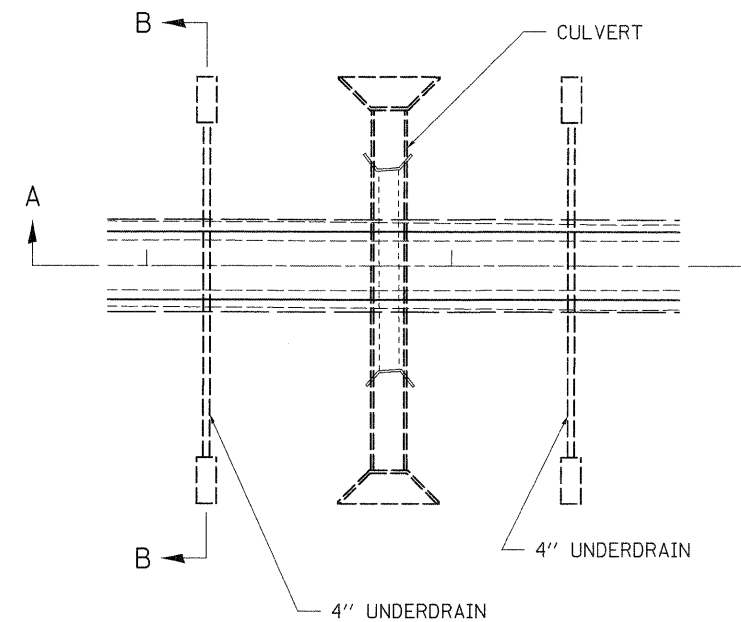
NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.



REVISED - 5-03-94

UNDERDRAIN FOR ACROSS ROAD (AR) CULVERTS



NOTES:

IN SAG CONDITIONS INSTAL PIPE UNDERDRAINS ON BOTH SIDES OF CULVERT.

ON HIGHWAY GRADES GREATER THAN 2% INSTAL PIPE UNDERDRAINS ON THE HIGH SIDE OF THE CULVERT.

THIS WORK SHALL BE COMPLETED ACCORDING TO SECTION 601 OF THE STANDARD SPECIFICATION.

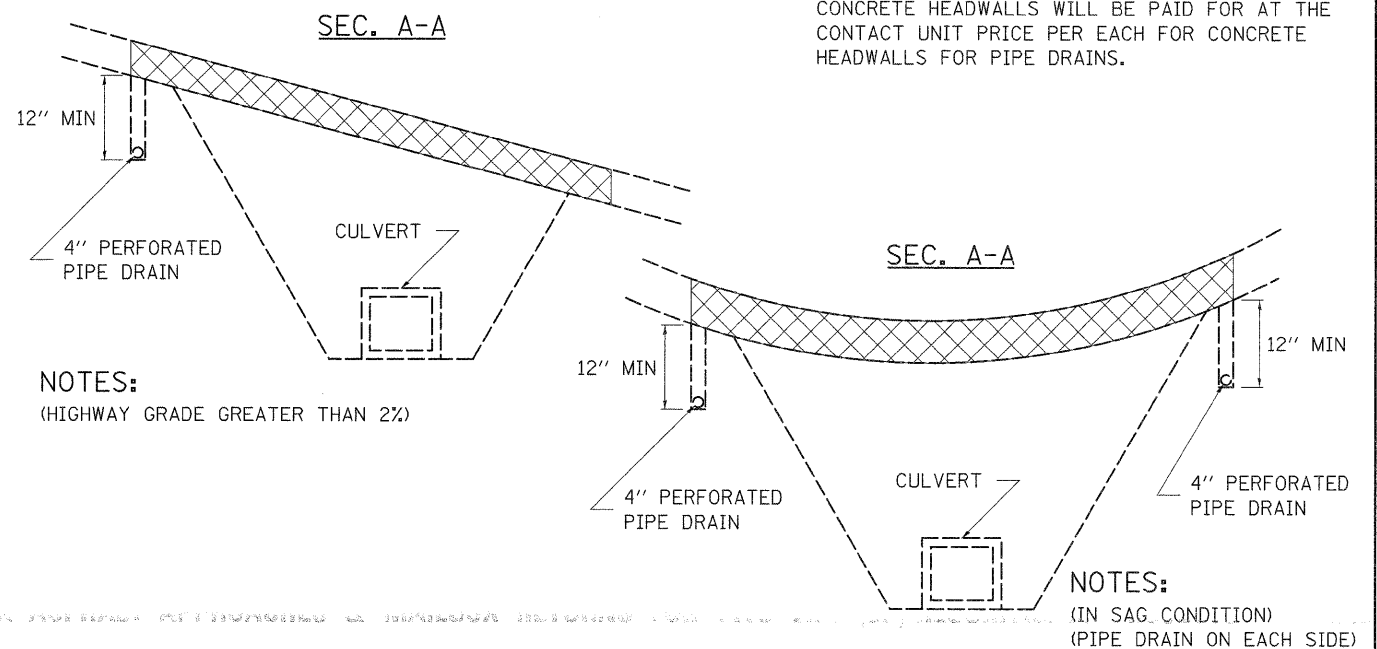
THE UNDERDRAIN SHALL EXTEND UNTIL INTERSECTING WITH THE SIDE SLOPES. THE PIPES SHALL DRAIN INTO CONCRETE HEADWALLS. (SEE ARTICLE 601.05 OF THE STANDARD SPECIFICATIONS AND HIGHWAY STANDARDS 601101).

THE UNDERDRAIN SHALL BE A MINIMUM OF 12" BELOW THE EXISTING PAVEMENT.

THE TRENCH FOR THE UNDERDRAIN SHALL BE BACKFILLED WITH CA7 OR CA16.

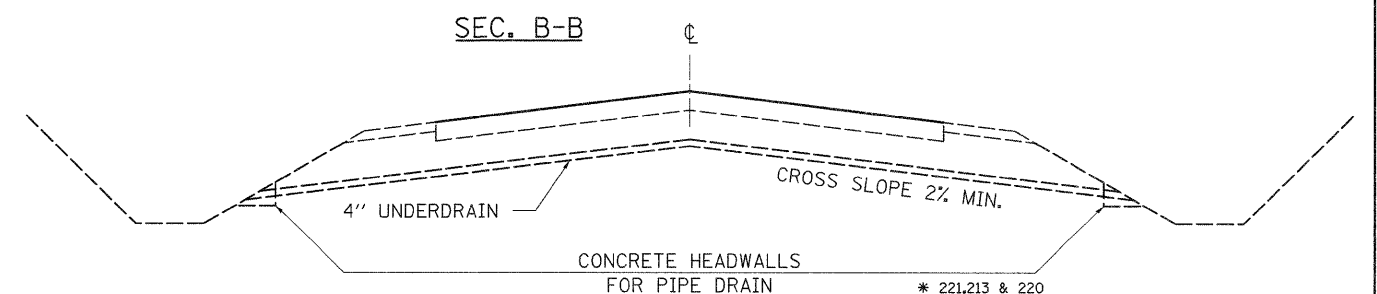
PIPE UNDERDRAINS WILL BE PAID FOR AT THE CONTRACT UNITPRICE PER FOOT FOR PIPE UNDERDRAINS 4".

CONCRETE HEADWALLS WILL BE PAID FOR AT THE CONTACT UNIT PRICE PER EACH FOR CONCRETE HEADWALLS FOR PIPE DRAINS.



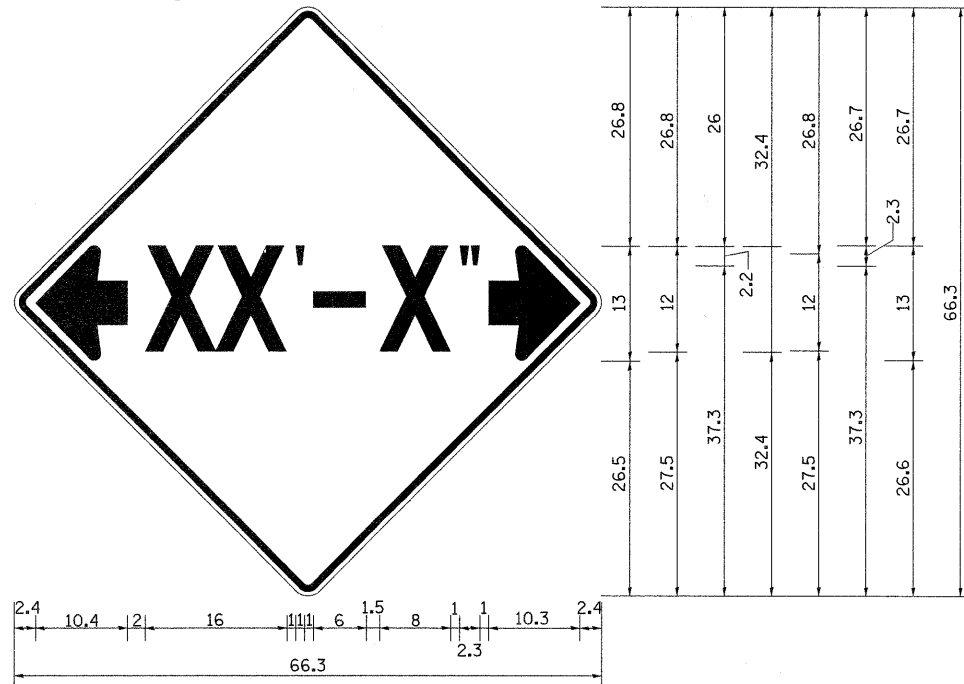
NOTE: (HIGHWAY GRADE GREATER THAN 2%)

NOTE: (IN SAG CONDITION) (PIPE DRAIN ON EACH SIDE)

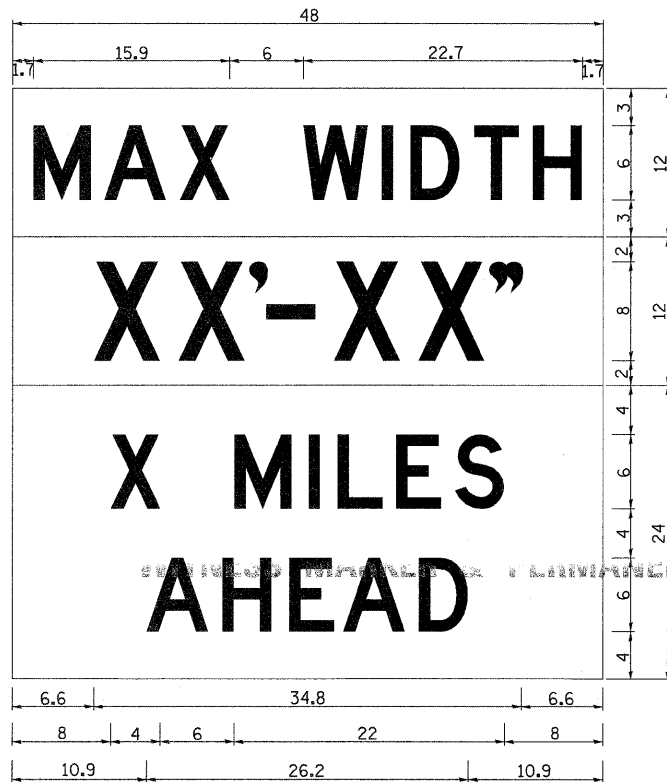


REVISED - 6-24-10	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		*	(19,20)RS-2	**	231	90
REVISED -		CONTRACT NO. 64D72				
REVISED -		SCALE: 50.0000' / 1" SHEET NO. OF SHEETS STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

INFORMATIONAL WARNING SIGN (FOR NARROW TRAVEL LANES)



NOTES
 W12-2 - Horizontal Clearance Sign
 48.0" across sides, 1.9" Radius,
 0.8" Border, 0.5" Indent, Black on
 Orange; Standard Arrow Custom
 10.4" X 8.1" 180° Black 11 Inch
 D Series Lettering; Standard Arrow
 Custom 10.4" X 8.1" 0°



W12-1103 (Width is 8D);
 No border, Black on White;
 [MAX WIDTH] D;

No border, Black on Orange;
 [XX'-XX''] D;

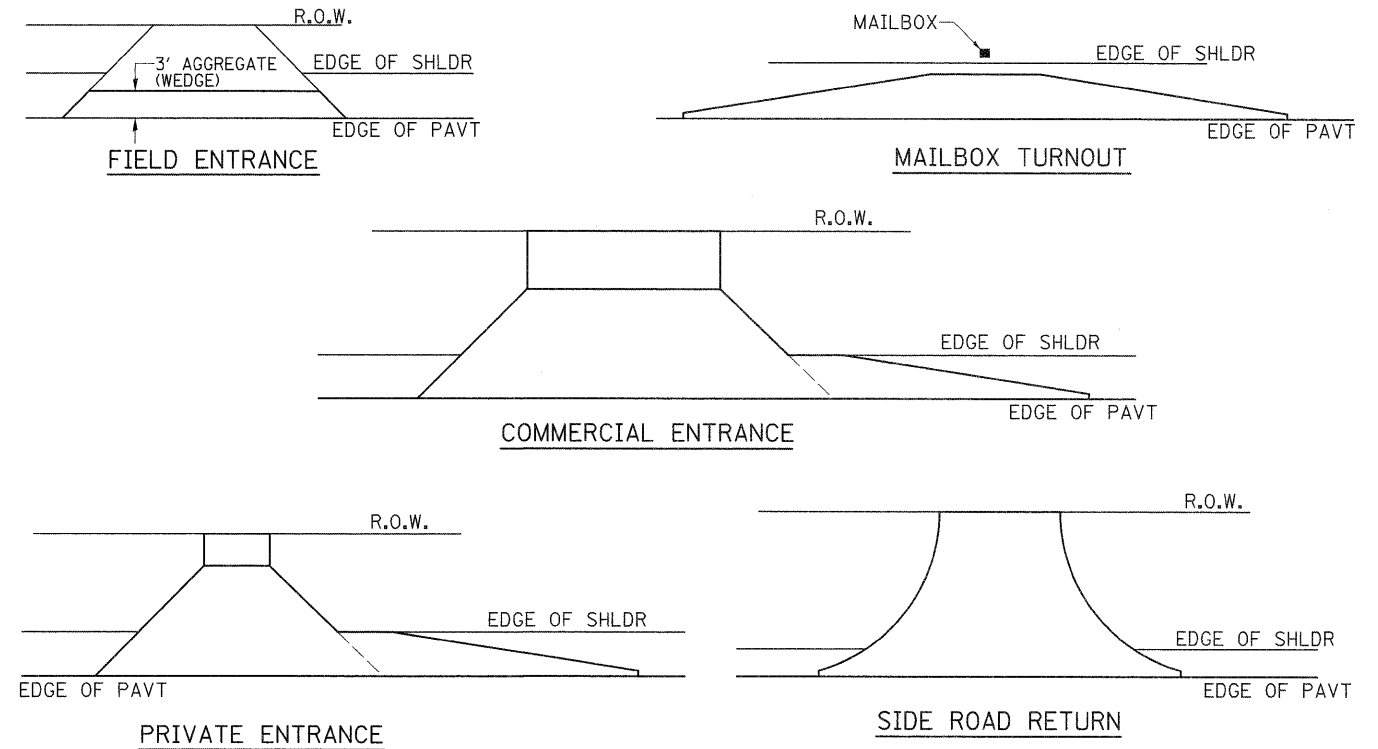
No border, Black on White;
 [X MILES] D; [AHEAD] D;

All work to furnish and install these signs shall be included in the cost of the Traffic Control Standards and shall not be paid for separately.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 5-15-09

HOT-MIX ASPHALT APPROACHES & MAILBOX RETURNS FOR TWO LIFT (3P) RESURFACING PROJECTS

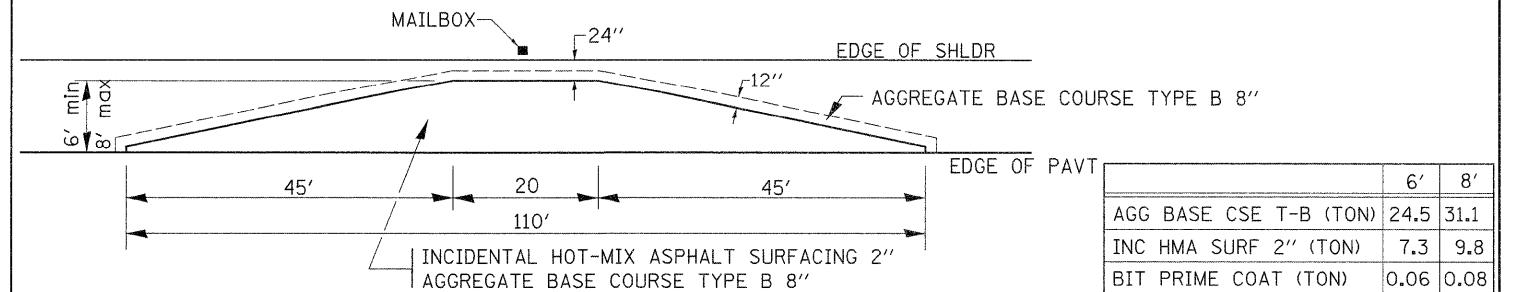


NOTE: EXISTING HMA PE's, CE's, SR's, & MB TURNOUTS
 Place 2 1/4" Incidental Hot-Mix Asphalt Surfacing #40800050 on entrance to conform to the existing configuration.

EXISTING AGG. PE's & CE's
 Place 2" Incidental Hot-Mix Asphalt Surfacing #40800050 on existing entrance to conform to the present configuration.

EXISTING AGG. SIDEROADS
 Place 3" Incidental Hot-Mix Asphalt Surfacing #40800050 on sideroad to conform to the present configuration.

EXISTING AGG. MAILBOX TURNOUTS
 Existing Agg. Mailbox Turnouts shall be constructed as shown below.

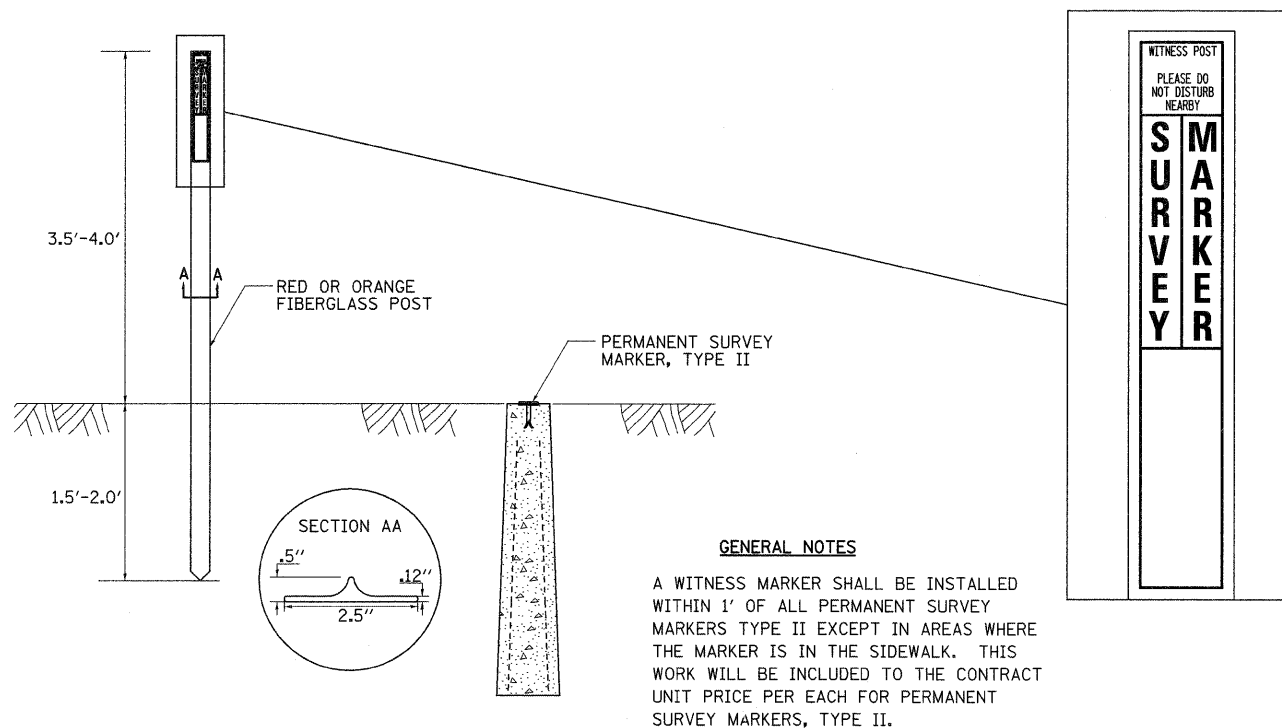


	6'	8'
AGG BASE CSE T-B (TON)	24.5	31.1
INC HMA SURF 2" (TON)	7.3	9.8
BIT PRIME COAT (TON)	0.06	0.08

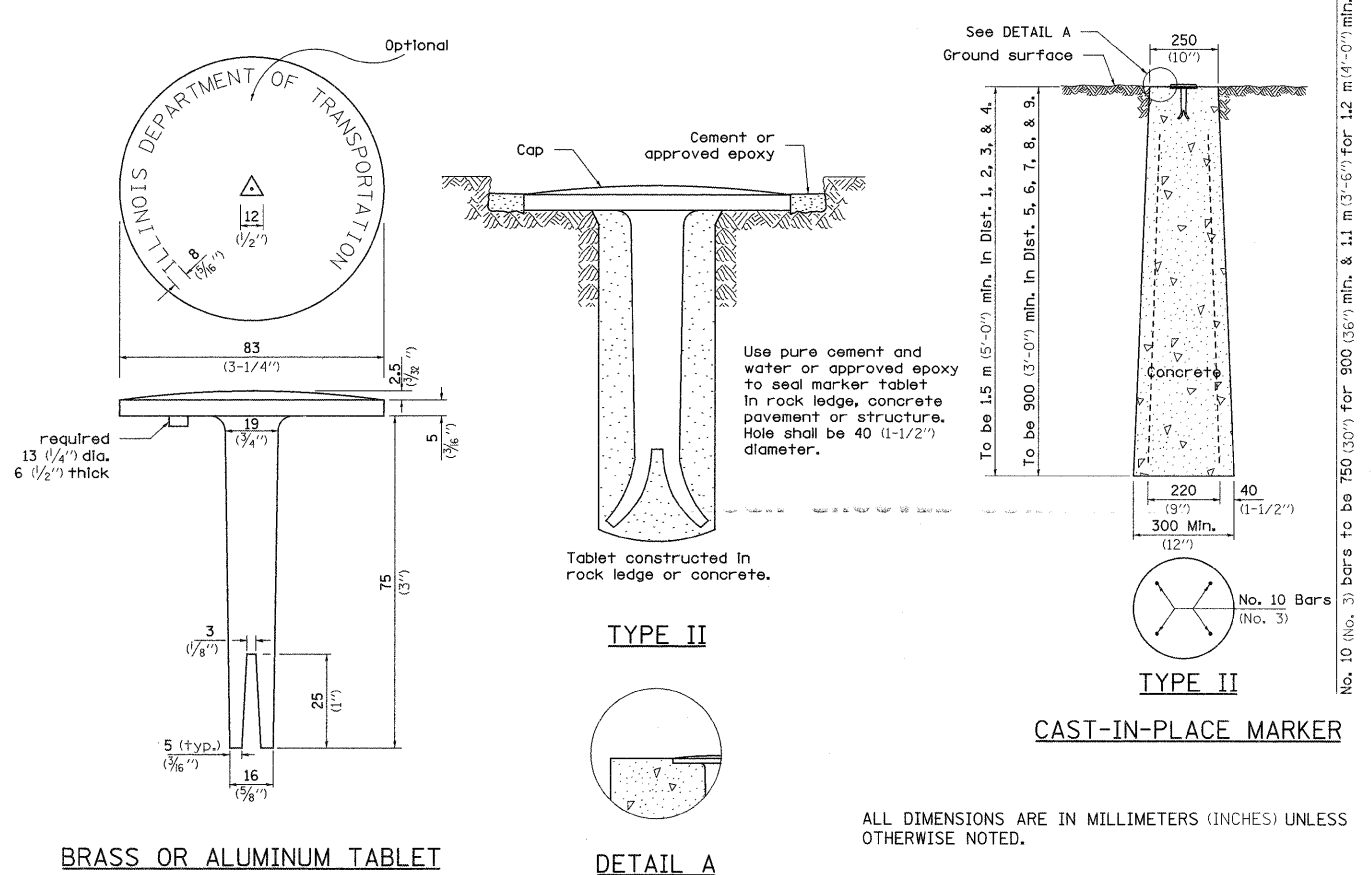
* 221,213 & 220
 ** ROCK ISLAND & MERCER COUNTY

REVISED -	REGION 2 / DISTRICT 2 STANDARD				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -					*	(19,20)RS-2	**	231	91
REVISED -					CONTRACT NO. 64D72				
REVISED -	SCALE: 50:0000' / 1"				SHEET NO. OF SHEETS		FED. ROAD DIST. NO. (ILLINOIS) FED. AID PROJECT		

WITNESS MARKER FOR PERMANENT SURVEY MARKERS, TYPE II

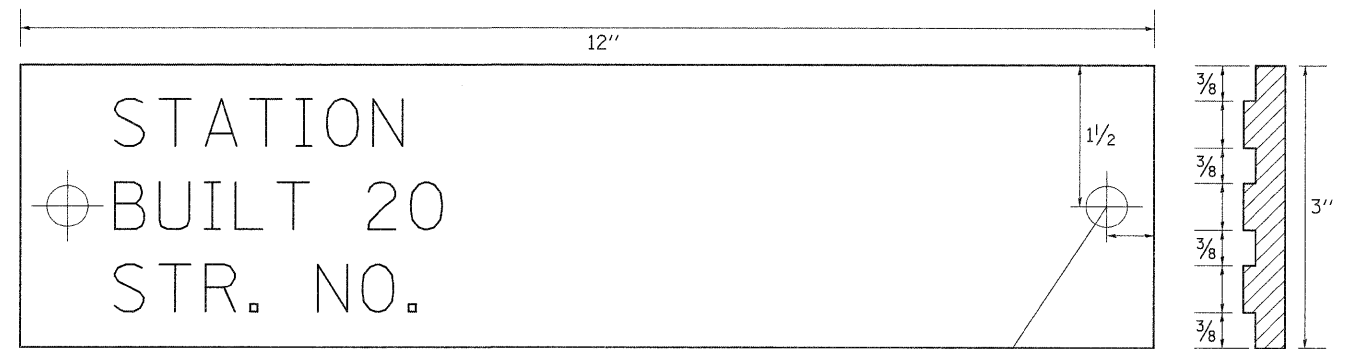


PERMANENT SURVEY MARKERS, TYPE II

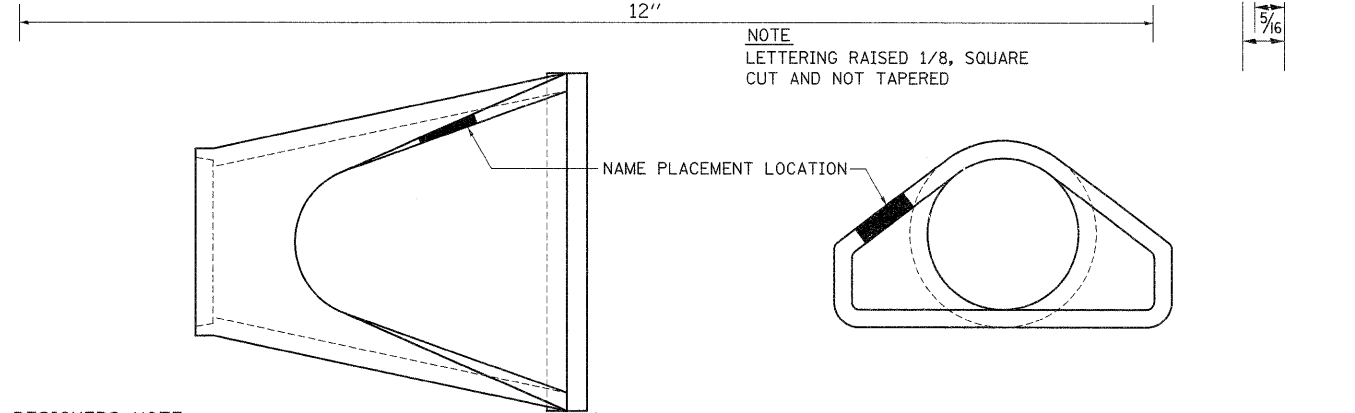


NAME PLATE FOR CULVERTS

FOR 24"-42" PIPE CULVERTS



FOR 48"-84" PIPE CULVERTS



DESIGNERS NOTE
NAME PLATES SHALL BE FURNISHED & INSTALLED ACCORDING TO SECTION 515 OF THE STANDARD SPECIFICATIONS, EXCEPT 2 BOLTS SHALL BE USE TO FASTEN THE PLATE TO THE END SECTION.

USE STANDARD 515001 FOR BRIDGES AND MULTI-CELL CULVERTS WITH SPANS OF 20' OR MORE MEASURED ALONG THE CENTERLINE AT THE HIGHWAY.

USE THIS DETAIL FOR ALL OTHER PIPE CULVERTS & BOX CULVERTS WITH STRUCTURE NUMBERS. INCLUDE THE INFORMATION TO FILL OUT THE NAME PLATE FOR EACH CULVERT.

IN BOTH CASES INCLUDE A PAY ITEM FOR NAME PLATES.

STATION	STRUCTURE NO.
STA. 23+03	066-2501
STA. 138+19	066-2502
STA. 304-96	081-1134
STA. 323+50	081-1133
STA. 363+65	081-1132

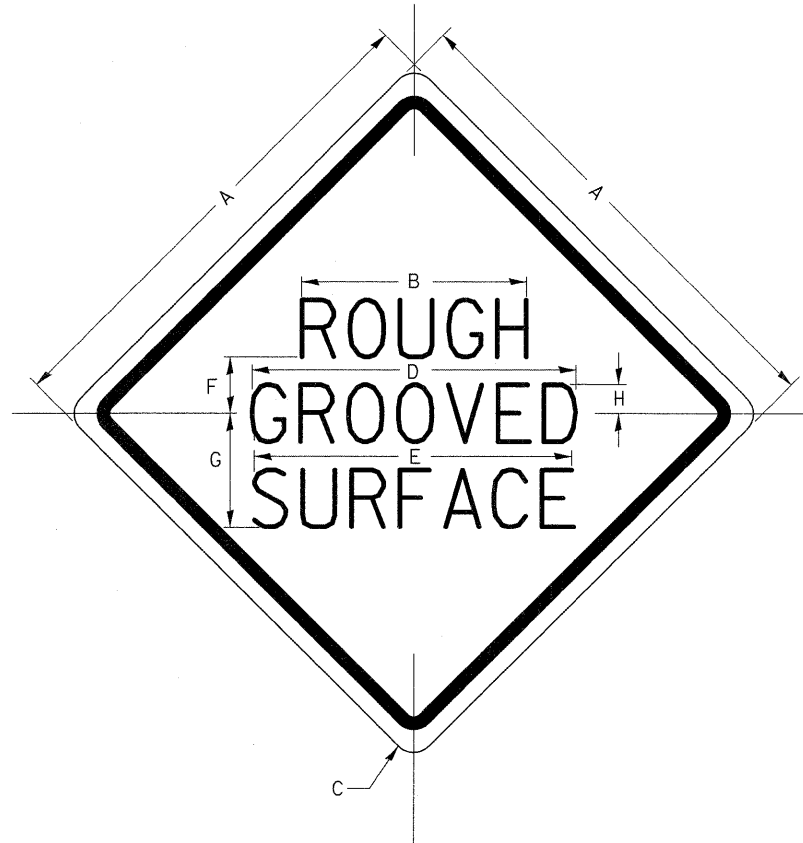
* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		*	(19,20)RS-2	**	231	92
REVISED -		SCALE: 500,0000' / 1"	SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64D72	
REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

ROUGH GROOVED SURFACE SIGN

ILLINOIS STANDARD W8-I107

SIGN PANEL TYPE 1



COLOR: LEGEND AND BORDER - BLACK NON-REFLECTIVE
BACKGROUND - ORANGE REFLECTORIZED

SIGN SIZE	DIMENSIONS							
	A	B	C	D	E	F	G	H
1200x1200 (48x48)	1200 (48.0)	600 (24.1)	75 (3.0)	850 (34.0)	825 (33.0)	150 (6.0)	325 (13.0)	88 (3.5)

SIGN SIZE	SERIES LINES			MARGIN	BORDER	BLANK STD.
	1	2	3			
1200x1200 (48x48)	7C	7C	7C	20 (0.8)	30 (1.2)	B4-48D

ALL DIMENSIONS IN INCHES.

GENERAL NOTES

SIGN PANELS AND FACE MATERIALS SHALL BE ACCORDING TO SECTION 720 OF THE STANDARD SPECIFICATIONS

METAL POSTS SHALL BE IN ACCORDANCE WITH STD. 720011.

ALL MOUNTING HARDWARE SHALL BE ALUMINUM, STAINLESS STEEL, ZINC OR CADMIUM PLATED STEEL AND SHALL BE INCLUDED TO THE COST OF THE INSTALLATION.

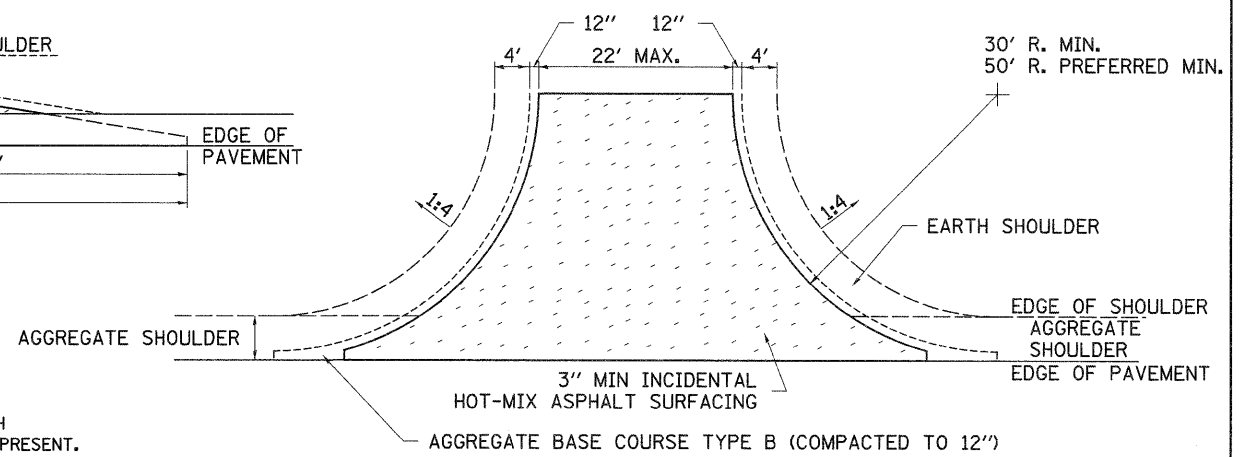
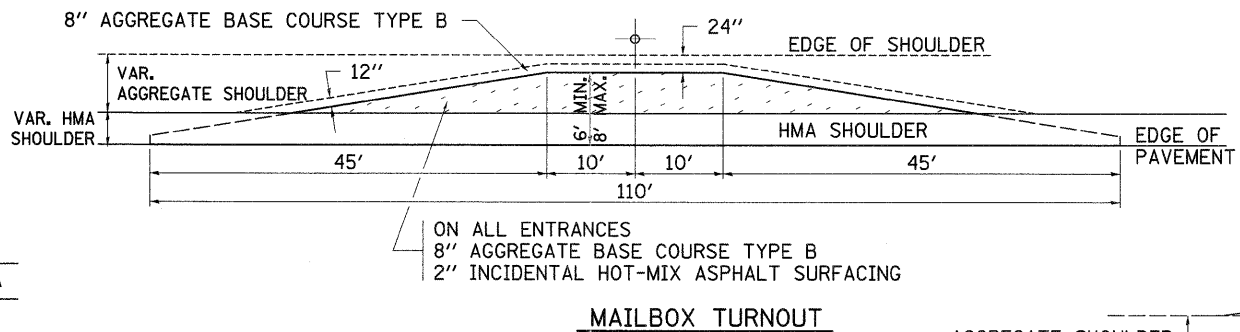
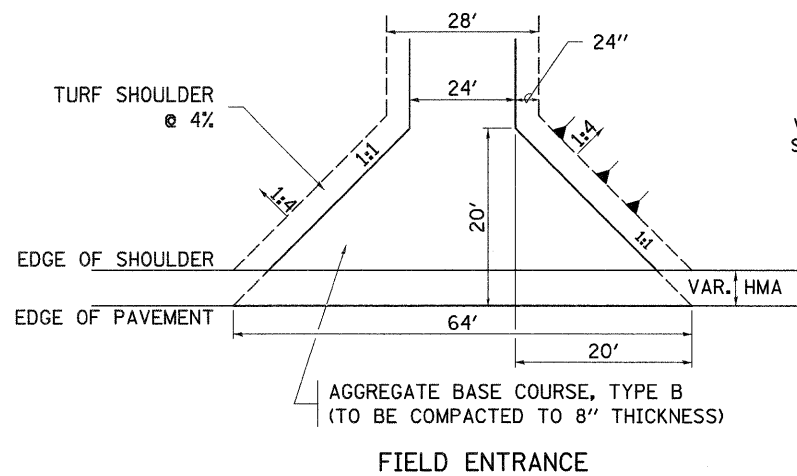
ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

REVISED - 1-09-08

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

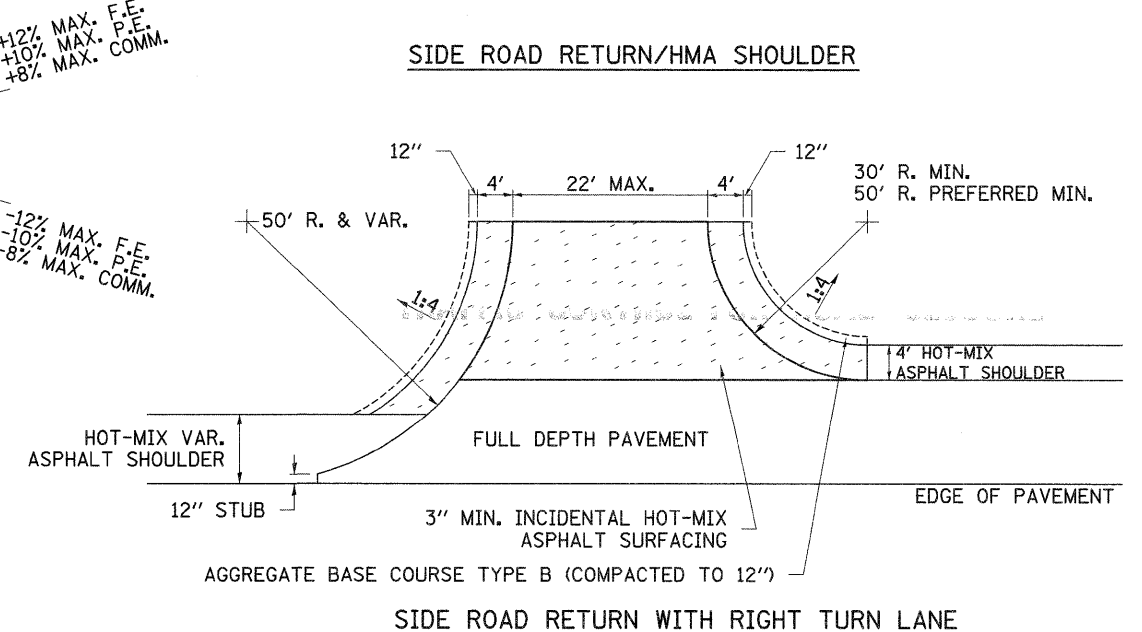
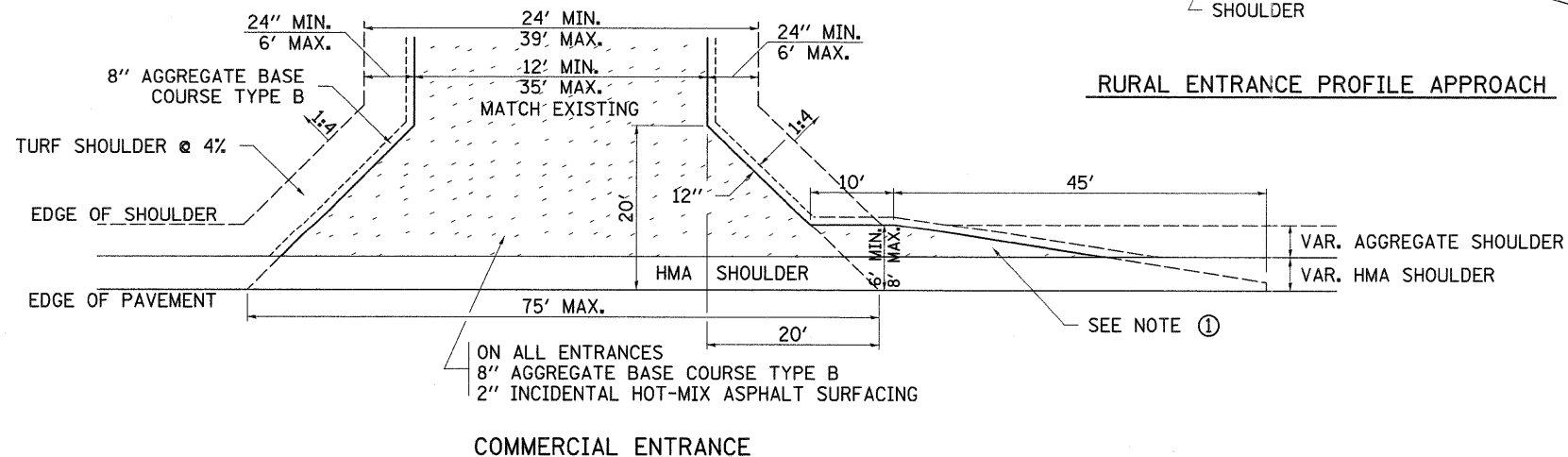
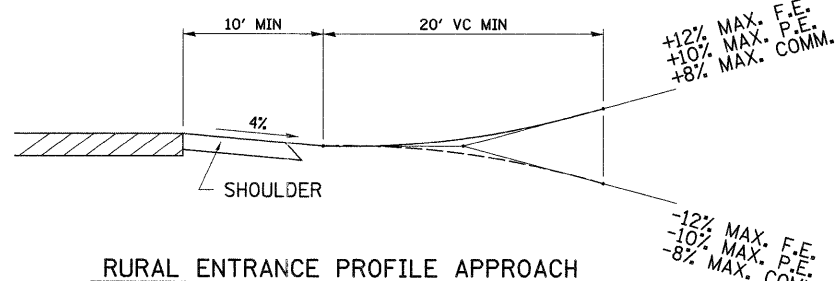
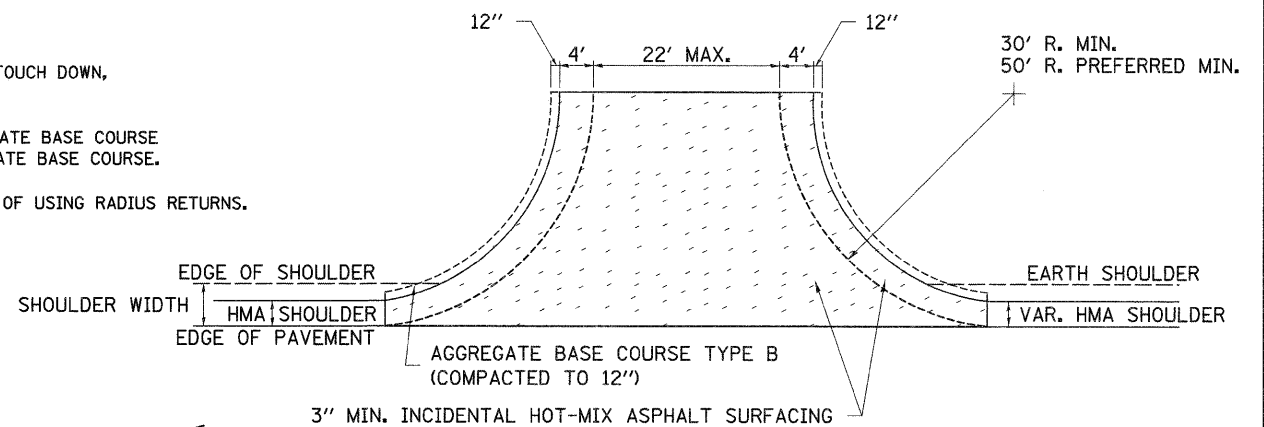
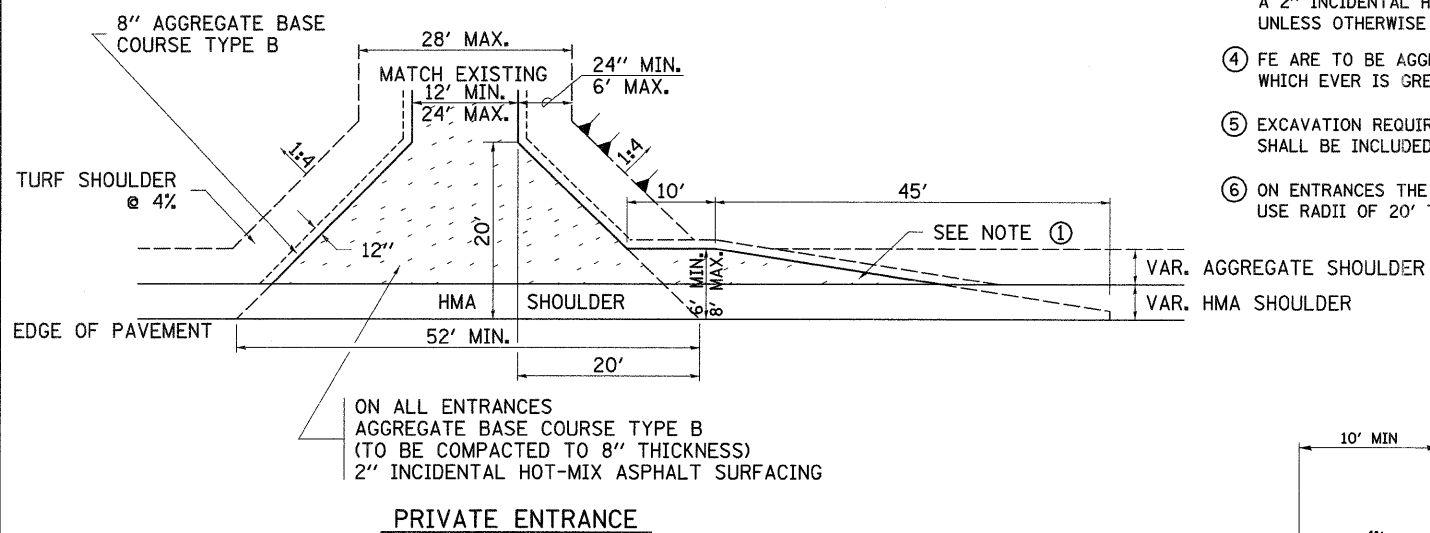
REVISED -	REGION 2 / DISTRICT 2 STANDARD				F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
REVISED -					*	(19,20)RS-2	**	231	93		
REVISED -					CONTRACT NO. 64D72						
REVISED -					SCALE: 50,000' / 1"	SHEET NO.	OF	SHEETS	STA.	TO STA.	FED. ROAD DIST. NO.

HOT-MIX ASPHALT APPROACHES AND MAILBOX RETURNS



NOTE

- ① TURNOUTS ARE TO BE CONSTRUCTED ON THE APPROACH SIDE OF ALL PE & CE REGARDLESS IF A MAILBOX IS PRESENT.
- ② ALL PE & CE ARE TO BE SURFACED TO RIGHT OF WAY LINE. AREA BEHIND RIGHT OF WAY SHALL MATCH EXISTING SURFACE.
- ③ ALL PE & CE TO BE CONSTRUCTED WITH AN 8" AGGREGATE BASE COURSE, TYPE B AND WITH A 2" INCIDENTAL HOT-MIX ASPHALT SURFACING, UNLESS OTHERWISE NOTED.
- ④ FE ARE TO BE AGGREGATE TO RIGHT OF WAY OR TOUCH DOWN, WHICHEVER IS GREATEST.
- ⑤ EXCAVATION REQUIRED FOR PLACEMENT OF AGGREGATE BASE COURSE SHALL BE INCLUDED IN THE COST OF THE AGGREGATE BASE COURSE.
- ⑥ ON ENTRANCES THE CONTRACTOR HAS THE OPTION OF USING RADIUS RETURNS. USE RADII OF 20' TO 60'.



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		CHECKED -	REVISED -
		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

* 221.213 & 220
 ** ROCK ISLAND & MERCER COUNTY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	94
CONTRACT NO. 64D72				

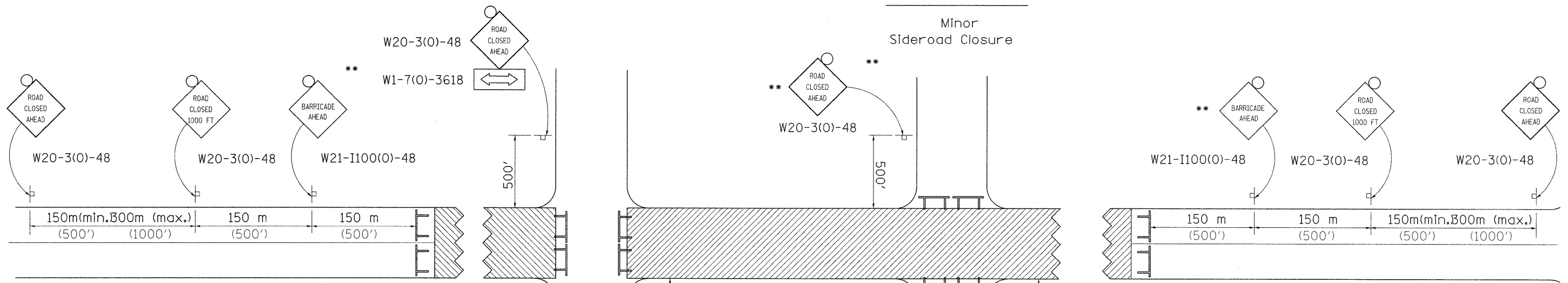
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FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

TRAFFIC CONTROL FOR ROAD CLOSURE

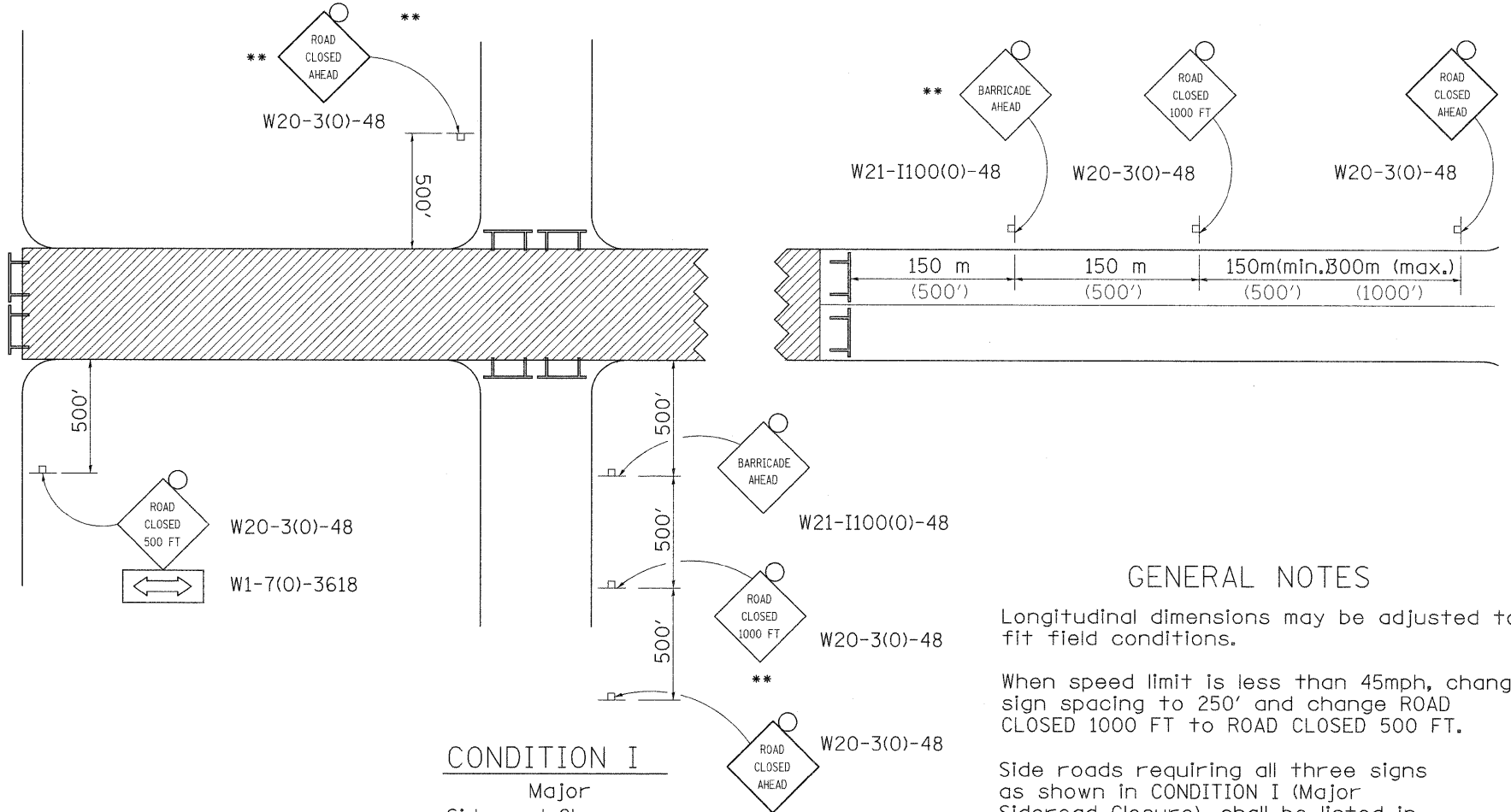
CONDITION II

Minor Sideroad Closure



CONDITION I

Major Sideroad Closure



GENERAL NOTES

Longitudinal dimensions may be adjusted to fit field conditions.

When speed limit is less than 45mph, change sign spacing to 250' and change ROAD CLOSED 1000 FT to ROAD CLOSED 500 FT.

Side roads requiring all three signs as shown in CONDITION I (Major Sideroad Closure), shall be listed in the special provision.

** Where local access is to be maintained, barricades are to be set up as shown in Road Closed to thru traffic. Type III Barricades and R11-2-4830 signs shall be as shown in "Road Closed To All Traffic" detail on Highway Standard 701901.

All dimensions are in millimeters (inches) unless otherwise shown.

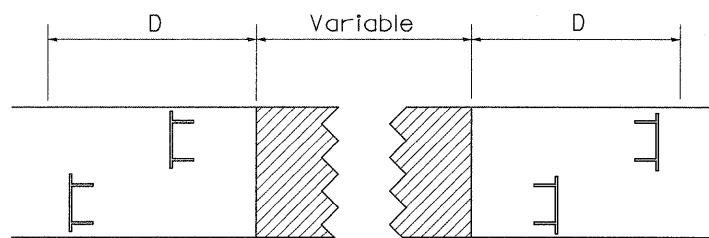
TYPICAL APPLICATION FOR ROAD CLOSURE

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	95
CONTRACT NO. 64D72				

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

ROAD CLOSED TO THRU TRAFFIC BARRICADE SET UP



Type III Barricades and R11-4-4830 signs shall be as shown in "Road Closed To All Thru Traffic" detail on Highway Standard 701901. If the distance "D" exceeds 600 m (2000') an additional set of barricades and R11-4-4830 shall be placed at each end of the work area.

SYMBOLS

- Work area
- Type III Barricade with Flashers
- Sign with flashing light

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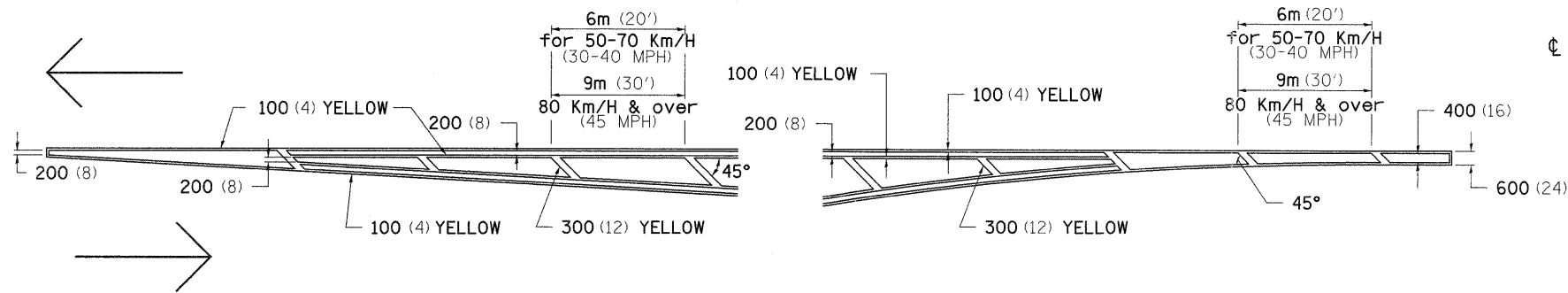
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

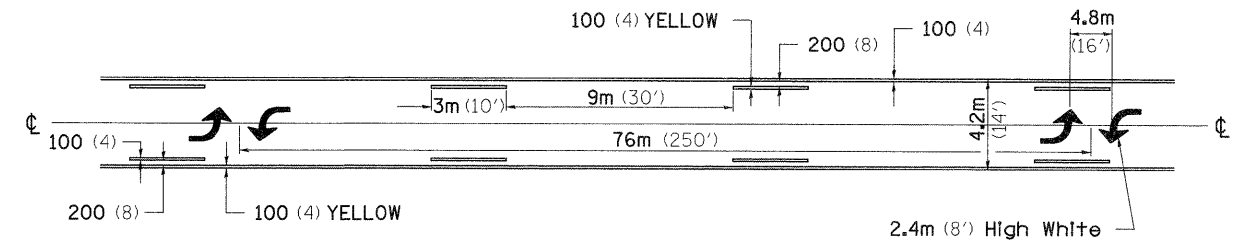
SCALE: SHEET NO. OF SHEETS STA. TO STA.

TYPICAL PAVEMENT MARKINGS

TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN AT LEFT TURN LANE

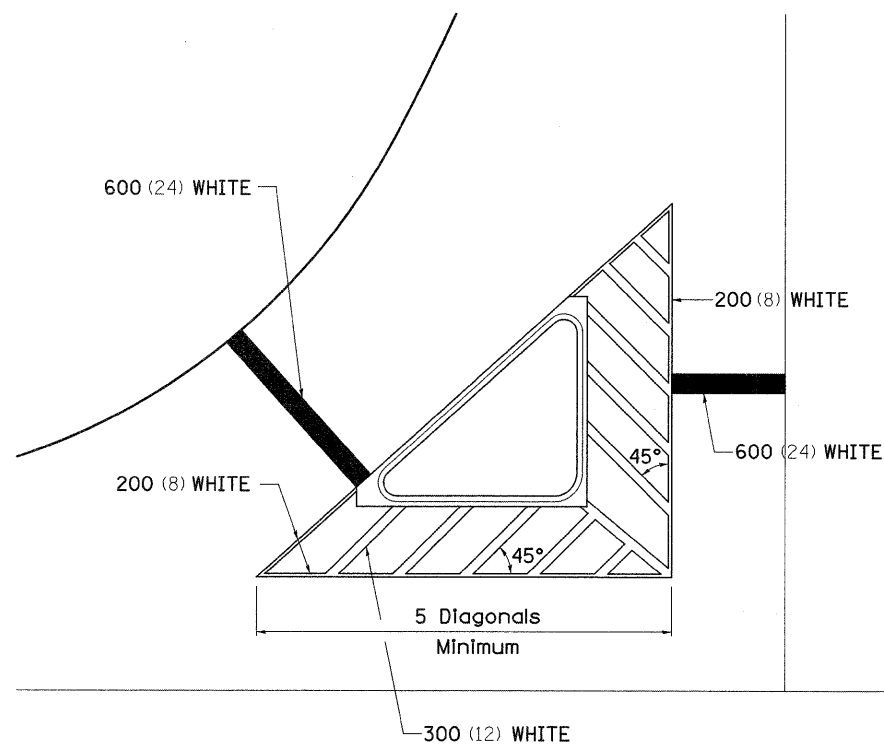


MEDIAN PAVEMENT MARKING

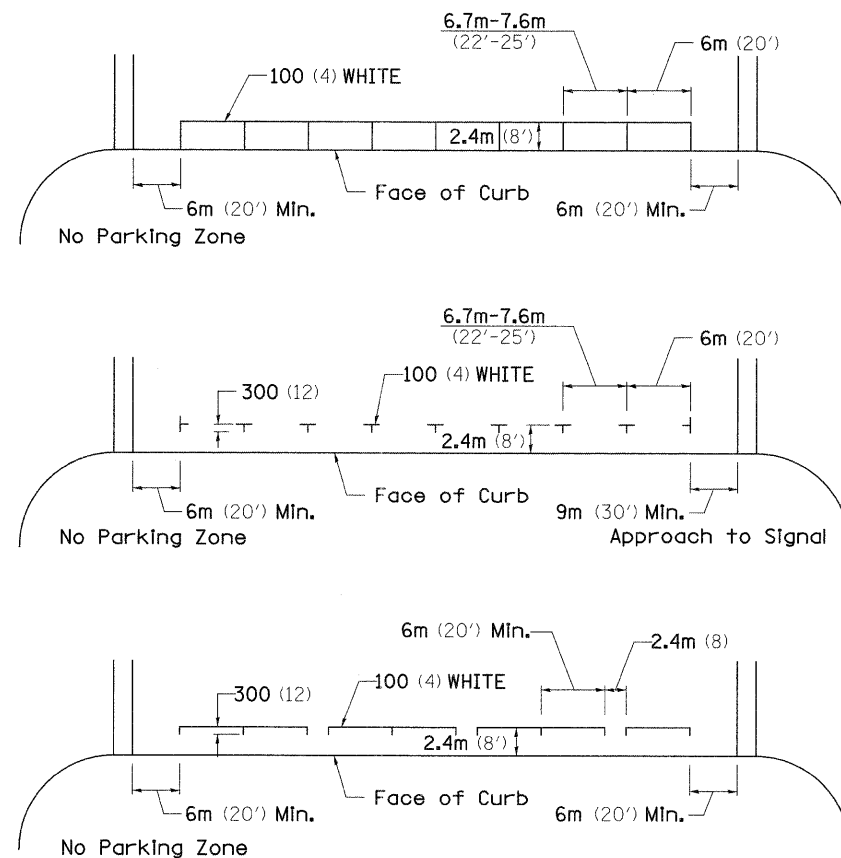


** ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

TYPICAL ISLAND OFFSET SHOULDER WIDTH

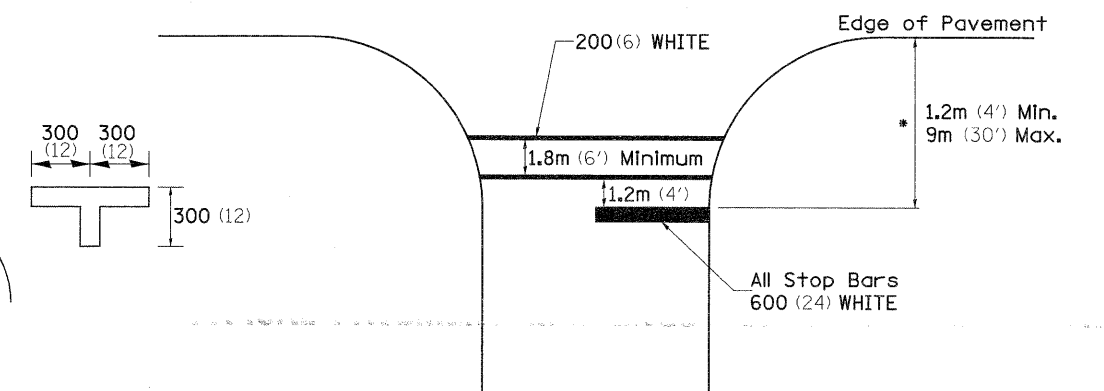


TYPICAL PARKING SPACING



STANDARD CROSSWALK MARKING

See Schedules for Locations

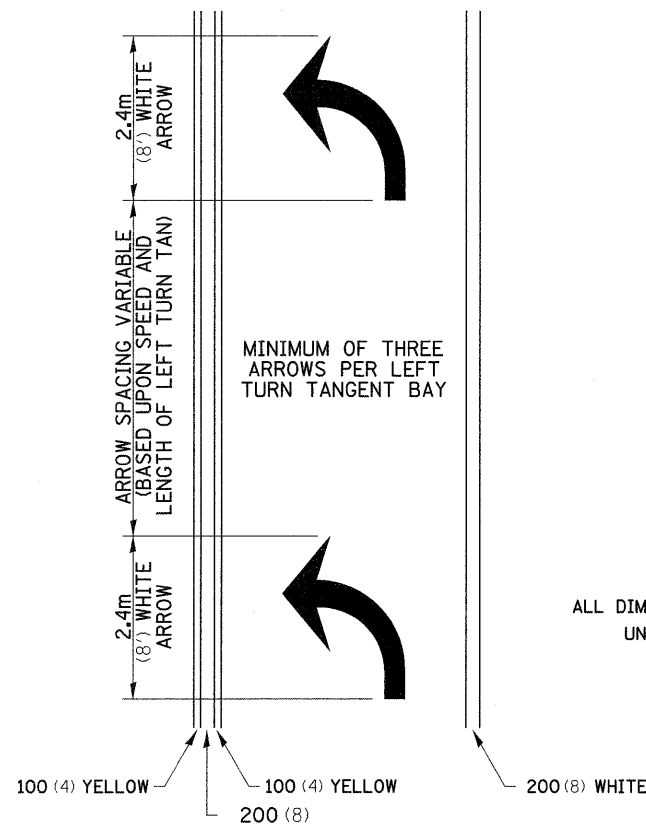


* Distance to the nearest edge of the intersecting roadway in the absence of a marked crosswalk.

FILE NAME =	USER NAME = grantpm	DESIGNED -	REVISED - 10-21-08	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	REGION 2 / DISTRICT 2 STANDARD	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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PLOT DATE = Thu Jun 23 08:02:31 2011		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

TYPICAL PAVEMENT MARKINGS

ARROW LAYOUT

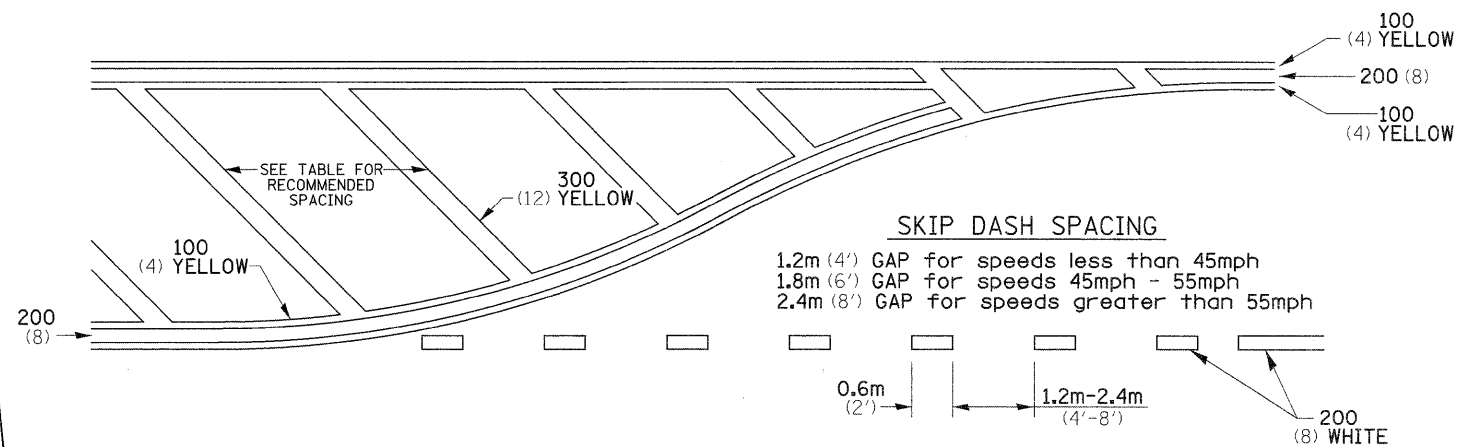


- ◀ ONE-WAY AMBER MARKER
- △ ONE-WAY CRYSTAL MARKER
- ◆ TWO-WAY AMBER MARKER

ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

12.2m
6 at (40') O.C.
APPROACH SIDE ONLY

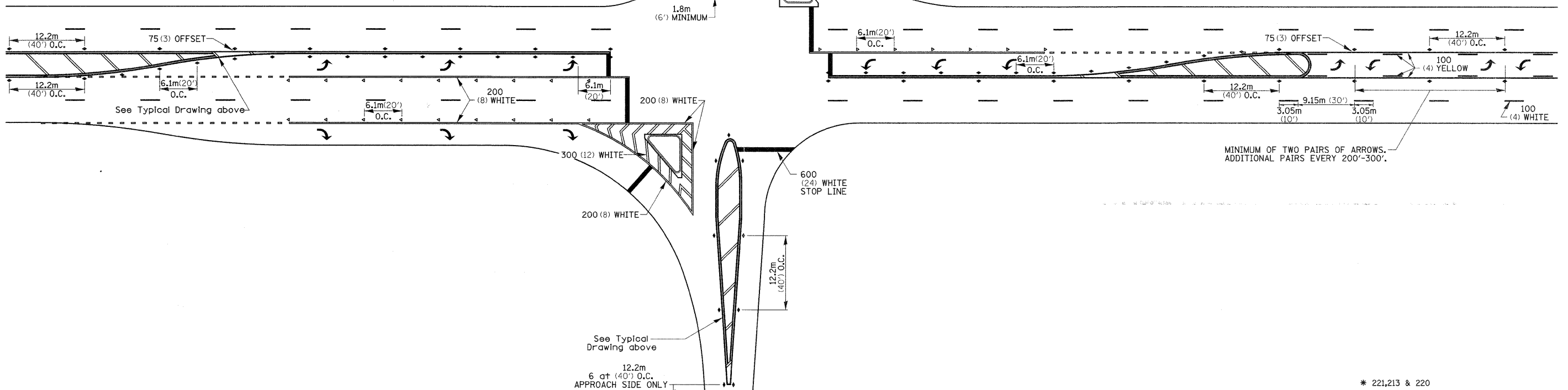
TYPICAL PAVEMENT MARKING FOR FLUSH MEDIAN



RECOMMENDED SPACING BETWEEN DIAGONALS (IN FEET)

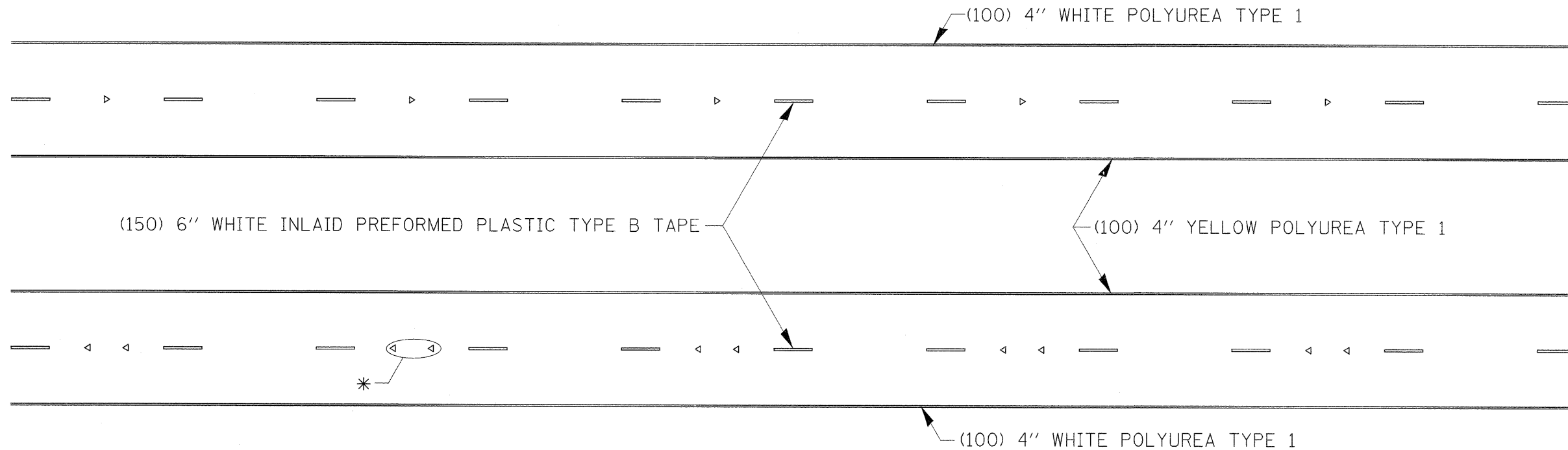
Speed Limit Range	Continuous Median Area	Intersection Channelization	Objects (Islands)
less than 50Km/H (30MPH)	15.3m (50')	4.53m (15')	3.05m (10')
50-60Km/H (30-40MPH)	22.9m (75')	6.1m (20')	4.53m (15')
70Km/H (45MPH) & over	22.9m (75')	9.05m (30')	6.1m (20')

NOTE: If the spacing recommended in the Table does not permit at least five diagonal lines in the area being marked, the spacing from the next lowest speed range should be used. The recommended spacing is measured parallel to the pavement center line.



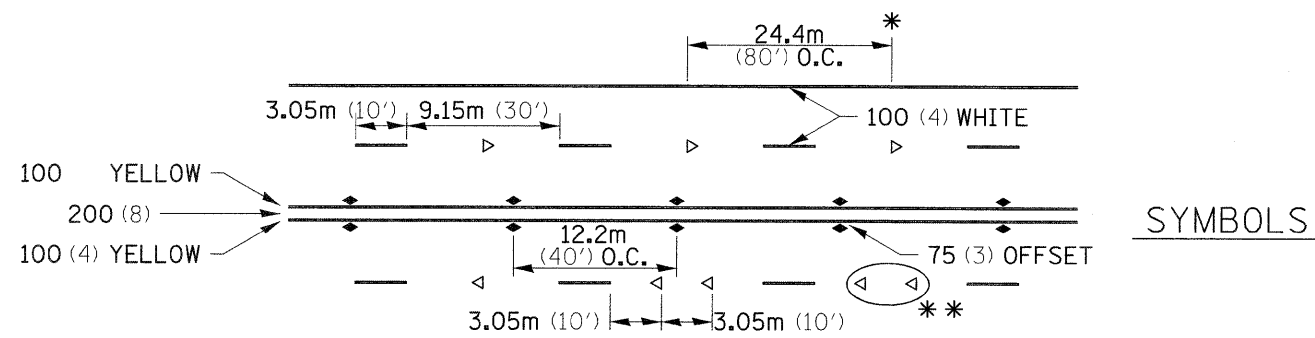
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PLOT DATE = Thu Jun 23 08:02:32 2011		DATE -	REVISED -					FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

TYPICAL PAVEMENT MARKINGS



* SEE HIGHWAY STANDARD 781001 FOR SPACING DETAILS.
USE DOUBLE MARKERS WHEN ADT \geq 25,000.

MULTI-LANE / DIVIDED

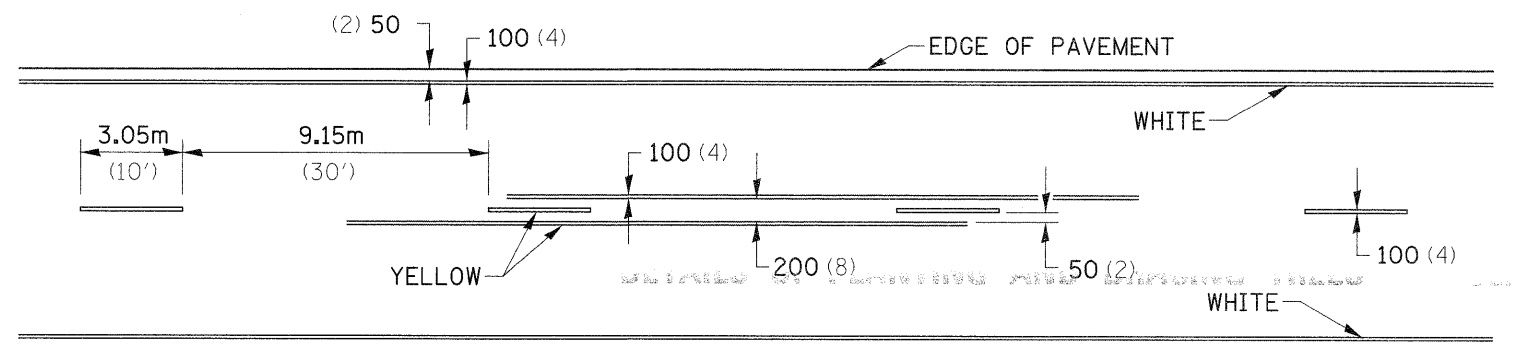


* REDUCE TO 12.2m (40') O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 15Km/H (10MPH) LOWER THAN POSTED SPEEDS.

** USE DOUBLE MARKERS WHEN ADT \geq 25,000

MULTI-LANE / UNDIVIDED

TYPICAL PAVEMENT MARKING FOR TWO LANE SECTION - NO PASSING ZONES



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

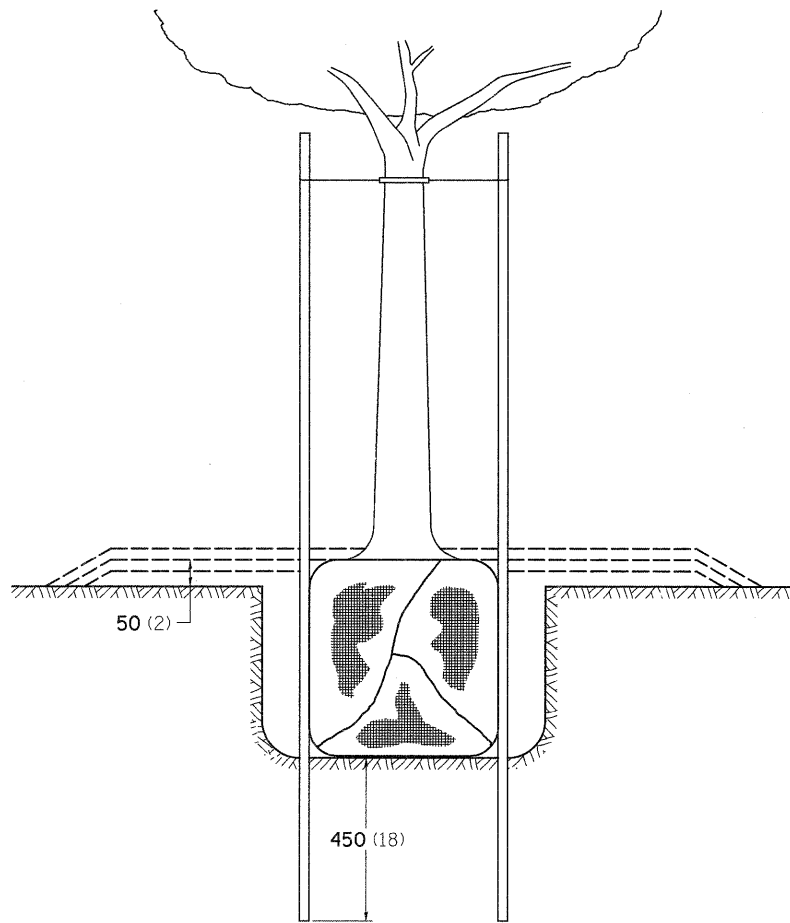
* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	98
CONTRACT NO. 64072				

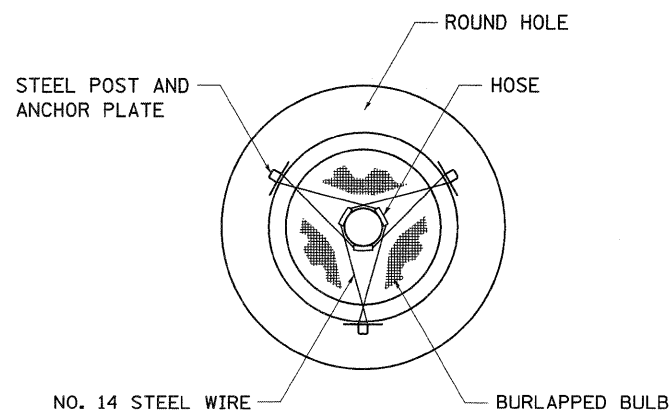
SCALE: SHEET NO. OF SHEETS STA. TO STA.

FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT

DETAILS OF PLANTING AND BRACING TREES

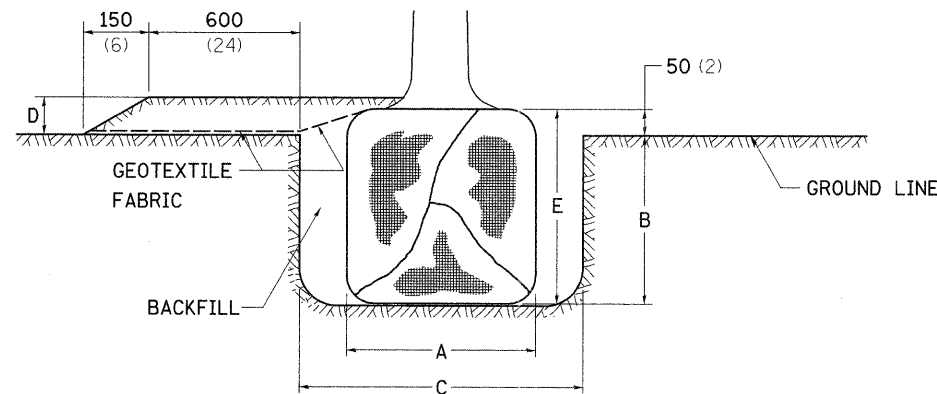


TREES SMALLER THAN 115 (4 1/2) IN DIAMETER

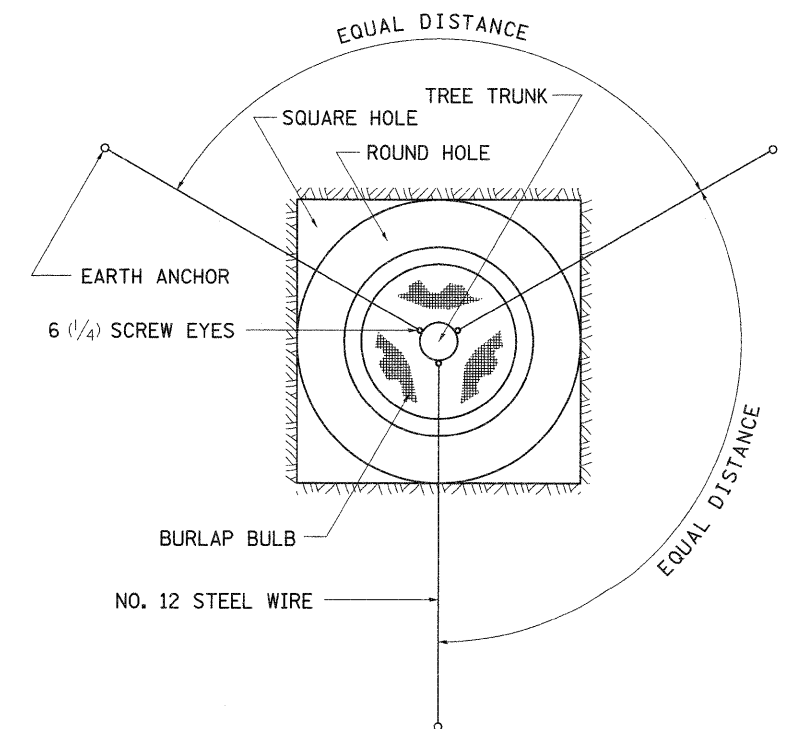
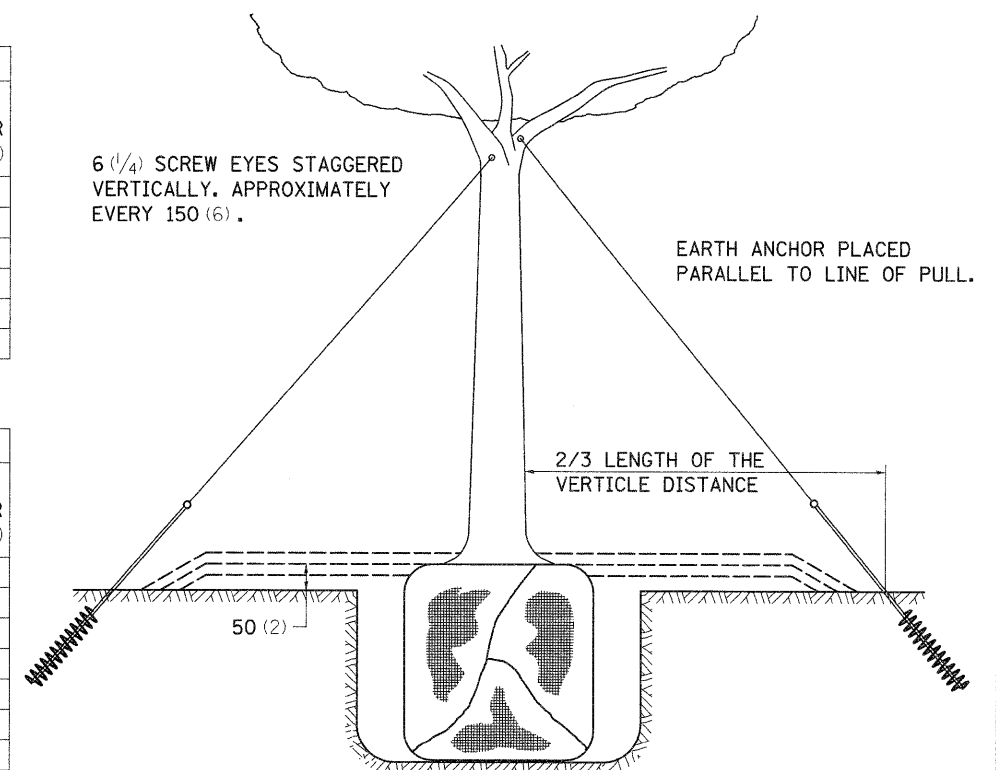


SMALL	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
1.5-1.8m (5'-6')	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.5-1.8m (5'-6') BB	400 (16)	250 (10)	750 (30)	100 (4)	300 (12)	0.41 (0.54)
1.8-2.0m (6'-7') BB	450 (18)	300 (12)	750 (30)	100 (4)	350 (14)	0.41 (0.54)
2.0-2.4m (7'-8') BB	500 (20)	275 (11)	750 (30)	100 (4)	325 (13)	0.41 (0.54)
2.4-3.0m (8'-10') BB	600 (24)	350 (14)	900 (36)	100 (4)	400 (16)	0.47 (0.61)
3.0-3.6m (10'-12') BB	650 (26)	375 (15)	900 (36)	100 (4)	425 (17)	0.47 (0.61)

LARGE	A	B	C	D	E	F
TREE SIZE	DIAMETER OF BALL OR ROOT SYS.	DEPTH OF HOLE EXCAVATION	WIDTH OF HOLE EXCAVATION	THICKNESS OF MULCH COVER	DEPTH OF BALL OR ROOT SYS.	VOLUME OF MULCH COVER m ³ (CU. YDS.)
0-50 (0-2)	500 (20)	275 (11)	900 (36)	100 (4)	325 (13)	0.47 (0.61)
50-65 (2-2 1/2) BB	600 (24)	350 (14)	1200 (48)	100 (4)	400 (16)	0.60 (0.78)
65-75 (2 1/2-3) BB	700 (28)	425 (17)	1200 (48)	100 (4)	475 (19)	0.60 (0.78)
75-90 (3-3 1/2) BB	800 (32)	425 (17)	1500 (60)	100 (4)	475 (19)	0.73 (0.96)
90-100 (3 1/2-4) BB	900 (36)	500 (20)	1500 (60)	100 (4)	550 (22)	0.73 (0.96)
100-115 (4-4 1/2) BB	1000 (40)	550 (22)	1800 (72)	100 (4)	600 (24)	0.89 (1.16)
115-125 (4 1/2-5) BB	1100 (44)	600 (24)	1800 (72)	100 (4)	650 (26)	0.89 (1.16)
125-140 (5-5 1/2) BB	1200 (48)	675 (27)	2100 (84)	100 (4)	725 (29)	1.06 (1.38)

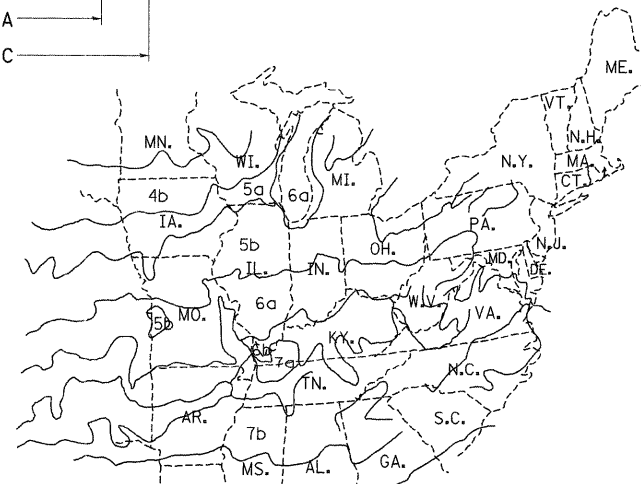


TREES OVER 115 (4 1/2) IN DIAMETER



ALL DIMENSIONS ARE IN MILLIMETERS (INCHES) UNLESS OTHERWISE NOTED.

* 221,213 & 220
** ROCK ISLAND & MERCER COUNTY



PLANT HARDINESS ZONE MAP

U.S. DEPARTMENT OF AGRICULTURE
AGRICULTURAL RESEARCH SERVICE
PUBLICATION NO. 814

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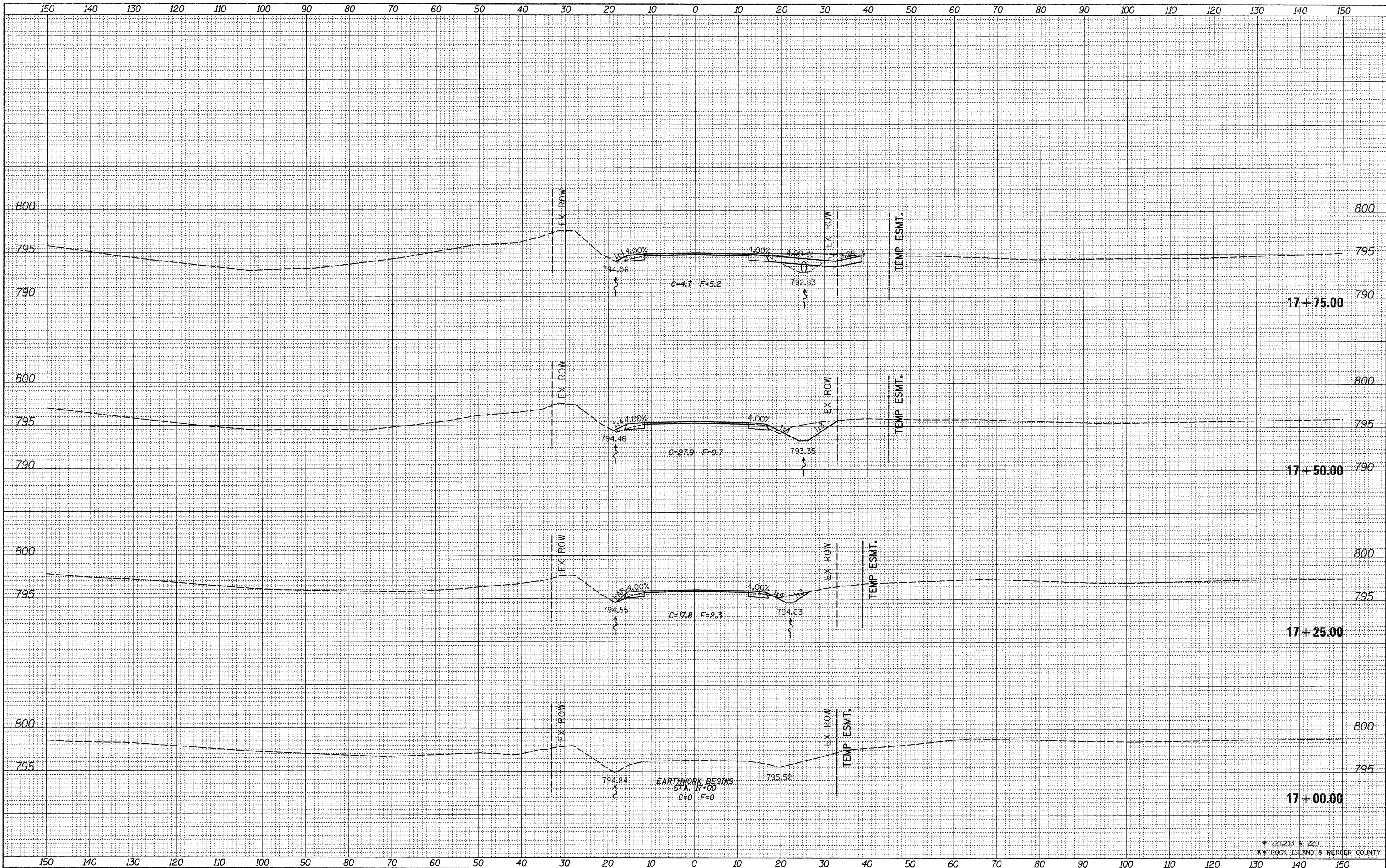
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

REGION 2 / DISTRICT 2 STANDARD

SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
					*	(19,20)RS-2	**	231	99
					CONTRACT NO. 64D72				
					FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				

DATE	
BY	
SURVEYED	
PLOTTED	
NOTE BOOK	
TEMP. AS	
AREAS CHECKED	
NO.	

DATE	
BY	
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* 221,213 & 220
 ** ROCK ISLAND & MERCER COUNTY

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 PLOT DATE = Thu Jun 23 07:45:20 2011

DESIGNED -	REVISED -
DRAWN -	REVISED -
CHECKED -	REVISED -
DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 94 CROSS SECTIONS

SCALE: SHEET NO. OF SHEETS STA. 17+00.00 TO STA. 17+75.00

F.A.S. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	(19,20)RS-2	**	231	100
				CONTRACT NO. 64D72

ILLINOIS FED. AID PROJECT