

PROJECT ENGINEER - REBECCA MARRUFFO

SQUAD LEADER - BRAD CUSHMAN (815)284-5996

INDEX 11-21-14 LETTING ITEM 039
SEE SHEET 2

STATE STANDARDS
SEE SHEET 2

DESIGN DESIGNATION-8550(15) MINOR ARTERIAL 4.82 (PCC-20)

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PROPOSED
HIGHWAY PLANS

FAU ROUTE 5789 (US 6) & FAU ROUTE 5861 (IL 84)
SECTION 2R-1
PROJECT: *ACHSIP-000V(004)*

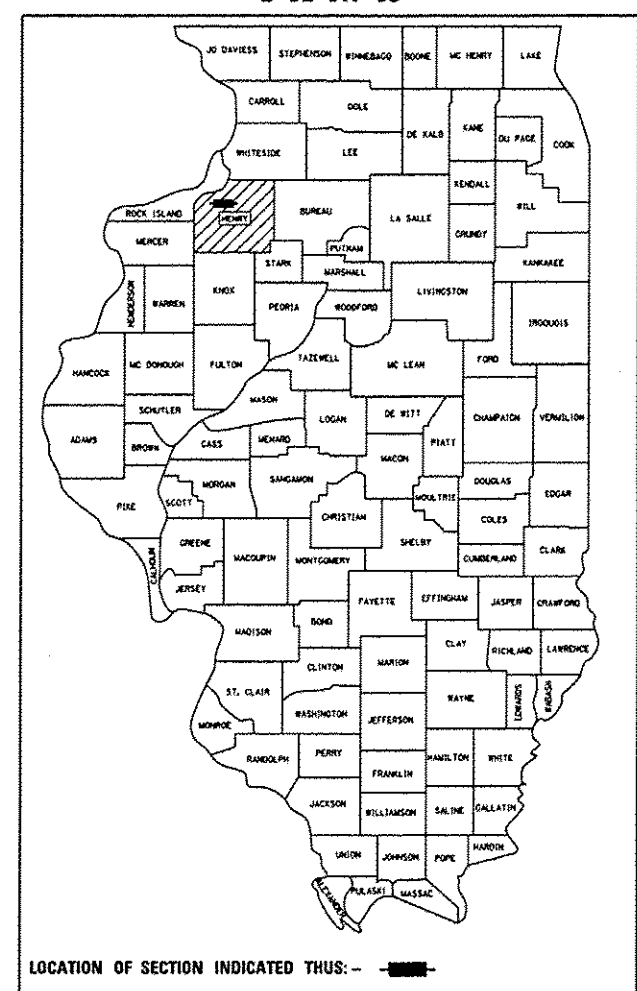
HENRY COUNTY

C-92-127-13

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
#	2R-1	HENRY	235	1
ILLINOIS CONTRACT NO. 64J43				

5789 & 5861

D-92-017-09

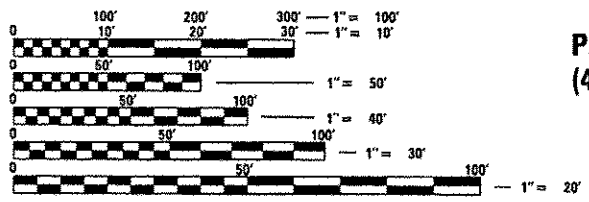
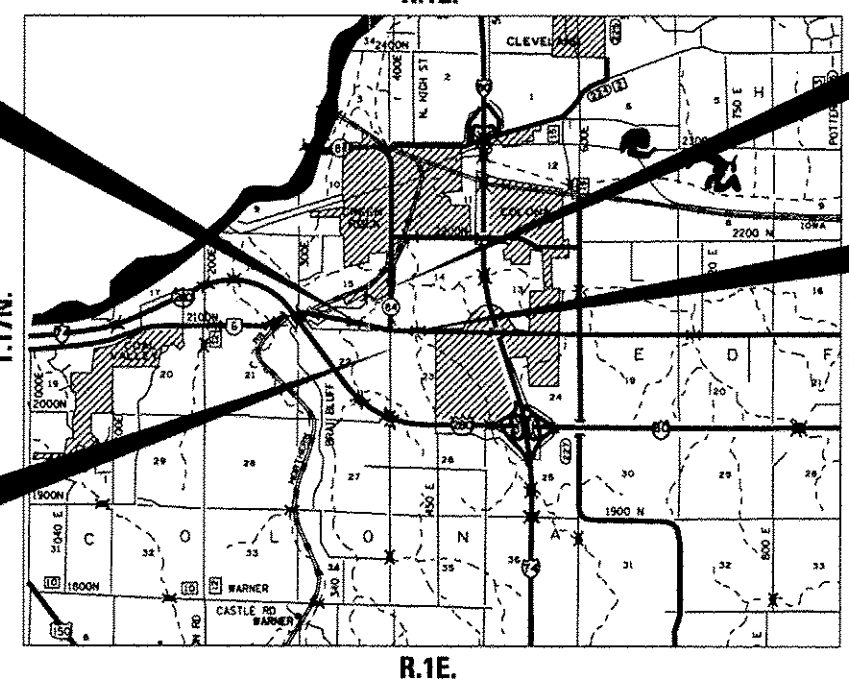


PROJECT BEGINS
(US 6) STA. 190 + 00

IMPROVEMENT ENDS
(IL 84) STA. 15 + 50
PROJECT ENDS
(IL 84) STA. 11 + 75

PROJECT BEGINS
(400TH ST.) STA. 90 + 25

PROJECT ENDS
(US 6) STA. 217 + 75



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. 64J43

COLONA TOWNSHIP SECTION 14,15,22,23

GROSS LENGTH = 5,252 FT. = 1.0 MILE
NET LENGTH = 4,877 FT. = 0.92 MILE

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *Aug 27th* 20 *14*

Paul [Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

Oct 17 20 *14*
John D. Baranzelli P.E.
acting ENGINEER OF DESIGN AND ENVIRONMENT

Oct 17 20 *14*
Omer Osman P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS

HENRY COUNTY SECTION 2R-1

FAU ROUTE 5789 (US 6) & FAU ROUTE 5861 (IL 84)

INDEX /HIGHWAY STANDARDS

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601101-01	CONCRETE HEADWALL FOR PIPE DRAIN
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604036-02	GRATE TYPE 8
606001-05	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
635001-01	DELINEATORS
635011-02	REFLECTOR MARKER AND MOUNTING DETAILS
666001-01	RIGHT-OF-WAY MARKERS
701001-02	OFF-ROAD OPERATIONS, 2L, 2W, MORE THAN 15' AWAY
701006-05	OFF-ROAD OPERATIONS, 2L, 2W, 15' TO 24" FROM PAVEMENT EDGE
701201-04	LANE CLOSURE, 2L, 2W, DAY ONLY, FOR SPEEDS ≥ 45 MPH
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701311-03	LANE CLOSURE, 2L, 2W, MOVING OPERATIONS-DAY ONLY
701426-06	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPER., FOR SPEEDS ≥ 45 MPH
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880006-01	TRAFFIC SIGNAL MOUNTING DETAILS

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	HSIP
				90% FED 10% STATE 0004
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	1,937	1,937
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	1,382	1,382
20200100	EARTH EXCAVATION	CU YD	58,660	58,660
* 25000100	SEEDING, CLASS 1	ACRE	5	5
* 25000210	SEEDING, CLASS 2A	ACRE	3.25	3.25
* 25000310	SEEDING, CLASS 4	ACRE	2.25	2.25
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	945	945
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	945	945
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	945	945
* Δ 25000750	MOWING	ACRE	8.25	8.25
* 25100125	MULCH, METHOD 3	ACRE	10.5	10.5
25100630	EROSION CONTROL BLANKET	SQ YD	4,652	4,652
25100900	TURF REINFORCEMENT MAT	SQ YD	5,606	5,606
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	8,400	8,400
28000305	TEMPORARY DITCH CHECKS	FOOT	2,090	2,090
28000400	PERIMETER EROSION BARRIER	FOOT	973	973
28000500	INLET & PIPE PROTECTION	EACH	15	15
28100105	STONE RIPRAP, CLASS A3	SQ YD	210	210
28100107	STONE RIPRAP, CLASS A4	SQ YD	211	211
28200200	FILTER FABRIC	SQ YD	582	582
28500400	ARTICULATED BLOCK REVETMENT MAT	SQ YD	161	161
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"	SQ YD	10,481	10,481
30300118	AGGREGATE SUBGRADE IMPROVEMENT 18"	SQ YD	7,581	7,581
30300124	AGGREGATE SUBGRADE IMPROVEMENT 24"	SQ YD	10,684	10,684
31200100	STABILIZED SUBBASE 4"	SQ YD	18,827	18,827

* SPECIALTY ITEMS 25
 Δ 100% STATE

FILE NAME : c:\pwork\p\p\dat\cushmanb\0333009\p2	USER NAME : cushmanb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
		DRAWN -	REVISED -			*	2R-1	HENRY	235	3
		CHECKED -	REVISED -		SCALE:	SHEET NO. OF SHEETS		STA.	TO STA.	
		DATE	REVISED -		ILLINOIS FED. AID PROJECT					
CONTRACT NO. 64J43										

SUMMARY OF QUANTITIES

HSIP
90% FED
10% STATE
0004

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
35101400	AGGREGATE BASE COURSE, TYPE B	TON	3,430	3,430
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	989	989
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	901	901
42000401	PORTLAND CEMENT CONCRETE PAVEMENT 9" (JOINTED)	SQ YD	17,072	17,072
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	480	480
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH	SQ FT	260	260
44000100	PAVEMENT REMOVAL	SQ YD	12,606	12,606
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	494	494
44000400	GUTTER REMOVAL	FOOT	2,914	2,914
44004250	PAVED SHOULDER REMOVAL	SQ YD	2,712	2,712
48300400	PORTLAND CEMENT CONCRETE SHOULDERS 9"	SQ YD	7,373	7,373
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
50104400	CONCRETE HEADWALL REMOVAL	EACH	5	5
542A1075	PIPE CULVERTS, CLASS A, TYPE 2 30"	FOOT	420	420
542A1093	PIPE CULVERTS, CLASS A, TYPE 2 48"	FOOT	69	69
542D0220	PIPE CULVERTS, CLASS D, TYPE 1 15"	FOOT	203	203
542D0223	PIPE CULVERTS, CLASS D, TYPE 1 18"	FOOT	218	218
542D0229	PIPE CULVERTS, CLASS D, TYPE 1 24"	FOOT	66	66
542D1075	PIPE CULVERTS, CLASS D, TYPE 2 30"	FOOT	164	164
542D1081	PIPE CULVERTS, CLASS D, TYPE 2 36"	FOOT	134	134
542D5476	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 21"	FOOT	53	53
542D5503	PIPE CULVERTS, CLASS D, TYPE 1 EQUIVALENT ROUND-SIZE 48"	FOOT	50	50

* SPECIALTY ITEMS
Δ 100% STATE

FILE NAME :	USER NAME : cushmanw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
o:\p\work\p\ridot\cushmanw\10333809\021709-ehs-schedule.dgn	1709-ehs-schedule.dgn	DRAWN -	REVISED -			*	2R-1	HENRY	235	4	
PLOT SCALE : 100.0000' / 1" =		CHECKED -	REVISED -			CONTRACT NO. 64J43					
PLOT DATE : Wed Aug 06 09:56:06 2014		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

* 5789 & 5861

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

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	HSIP
				90% FED 10% STATE 0004
54213450	END SECTIONS 15"	EACH	6	6
54213453	END SECTIONS 18"	EACH	3	3
54214296	END SECTIONS, EQUIVALENT ROUND-SIZE 21"	EACH	2	2
54215408	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 8"	EACH	1	1
54260311	TRAVERSABLE PIPE GRATE	FOOT	138	138
54261430	CONCRETE END SECTION, STANDARD 542001, 30", 1:4	EACH	3	3
54261448	CONCRETE END SECTION, STANDARD 542001, 48", 1:4	EACH	2	2
60100060	CONCRETE HEADWALL FOR PIPE DRAINS	EACH	19	19
60100925	PIPE DRAINS 8"	FOOT	35	35
60107600	PIPE UNDERDRAINS 4"	FOOT	7175	7,175
60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	341	341
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60221100	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1
60221700	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 8 GRATE	EACH	1	1
60600095	CLASS SI CONCRETE (OUTLET)	CU YD	6	6
60608582	COMBINATION CONCRETE CURB AND GUTTER, TYPE M-4.24	FOOT	775	775
61100500	EXPLORATION TRENCH 52" DEPTH	FOOT	150	150
61133200	FIELD TILE JUNCTION VAULTS 3' DIA.	EACH	1	1
63200310	GUARDRAIL REMOVAL	FOOT	315	315
63500105	DELINEATORS	EACH	11	11
66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	55	55
* 66700305	PERMANENT SURVEY MARKERS, TYPE II	EACH	1	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5
67100100	MOBILIZATION	L SUM	1	1

* SPECIALTY ITEMS
 ▲ 100% STATE

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FILE NAME *	USER NAME * c:\shmarb	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE. *	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\shmarb\10333009\F201709\shtrchedule.dgn		DRAWN -	REVISED -			*	2R-1	HENRY	235	5
PLOT SCALE * 100.0000 1/16"		CHECKED -	REVISED -		SCALE:					
PLOT DATE * Wed Aug 06 09:56:26 2014		DATE -	REVISED -		SHEET NO. OF SHEETS STA. TO STA.					
										CONTRACT NO. 64J43
										ILLINOIS FED. AID PROJECT

* 5789 & 5861

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	HSIP 90% FED 10% STATE 0004
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1
* 72000100	SIGN PANEL - TYPE 1	SQ FT	48	48
* 72000200	SIGN PANEL - TYPE 2	SQ FT	35	35
* 78009000	MODIFIED URETHANE PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	250	250
* 78009004	MODIFIED URETHANE PAVEMENT MARKING - LINE 4"	FOOT	21,675	21,675
* 78009008	MODIFIED URETHANE PAVEMENT MARKING - LINE 8"	FOOT	2,198	2,198
* 78009012	MODIFIED URETHANE PAVEMENT MARKING - LINE 12"	FOOT	723	723
* 78009024	MODIFIED URETHANE PAVEMENT MARKING - LINE 24"	FOOT	117	117
* 78100100	RAISED REFLECTIVE PAVEMENT MARKERS	EACH	295	295
* 80500100	SERVICE INSTALLATION, TYPE A	EACH	1	1
* 81028740	UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 1 1/2" DIA.	FOOT	80	80
* 81028760	UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 2 1/2" DIA.	FOOT	97	97
* 81028790	UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 4" DIA.	FOOT	297	297
* 81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3	3
* 81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1	1
* 81603035	UNIT DUCT, 600V, 2-1C No. 6 1/C No. 6 GROUND, (XLP-TYPE USE) 1" DIA., POLYETHYLENE	FOOT	913	913
* 81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10	FOOT	1760	1,760
* 82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	9	9
* 82500335	LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 100 AMP	EACH	1	1
* 83003600	LIGHT POLE, ALUMINUM, 45 FT. MH., 15 FT. DAVIT ARM	EACH	5	5
* 83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	30	30
* 83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5	5
* 85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1	1
* 86200200	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1	1

* SPECIALTY ITEMS
 ▲ 100% STATE

FILE NAME :	USER NAME : cushmanb	DESIGNED :	REVISED :	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SUMMARY OF QUANTITIES	F.A.U. RTE. :	SECTION :	COUNTY :	TOTAL SHEETS :	SHEET NO. :
o:\p\work\p\dot\cushmanb\10333009\021709-sht-schedule.dgn		DRAWN :	REVISED :			*	2R-1	HENRY	235	6
PLOT SCALE * 100.0000' / 1" =		CHECKED :	REVISED :		SCALE:	SHEET NO. OF SHEETS STA. TO STA.		CONTRACT NO. 64J43		
PLOT DATE * Wed Aug 06 08:56:39 2014		DATE :	REVISED :		ILLINOIS FED. AID PROJECT					

* 5789 & 5861

Rev.

SUMMARY OF QUANTITIES

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	HSIP 90% FED 10% STATE 0004
				QUANTITY
* 87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1252	1,252
* 87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	790	790
* 87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 3C	FOOT	85	85
* 87301900	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FOOT	435	435
* 87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT	EACH	2	2
* 87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT	EACH	1	1
* 87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT	EACH	1	1
* 87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3	3
* 87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	37	37
* 87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	38	38
* 88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4	4
* 88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2	2
* 88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2	2
* 88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2	2
* 88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2	2
* 88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8	8
* A2000114	TREE, ACER X FREEMANII AUTUMN BLAZE (AUTUMN BLAZE FREEMAN MAPLE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	25	25
* A2002914	TREE, CELTIS OCCIDENTALIS (COMMON HACKBERRY), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	25	25
* A2005814	TREE, PLATANUS OCCIDENTALIS (SYCAMORE), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	25	25
* A2006514	TREE, QUERCUS BICOLOR (SWAMP WHITE OAK), 1-3/4" CALIPER, BALLED AND BURLAPPED	EACH	33	33
* B2001114	TREE, CERCIS CANADENSIS (EASTERN REDBUD), 1-3/4" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	25	25
* D2003872	EVERGREEN, THUJA OCCIDENTALIS TECHN (TECHNY ARBORVITAE), 6' HEIGHT, BALLED AND BURLAPPED	EACH	90	90
X0322352	SEEDING MOBILIZATION	EACH	2	2

* SPECIALTY ITEMS
 Δ 100% STATE

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SUMMARY OF QUANTITIES

HSIP
90% FED
10% STATE
0004

CODE NUMBER	ITEM	UNIT	TOTAL QUANTITY	QUANTITY
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
40600275	BITUMINOUS MATERIALS (PRIME COAT)	POUND	2240	2,240
X4402805	ISLAND REMOVAL	SQ FT	212	212
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1	1
* X7830060	GROOVING FOR RECESSED PAVEMENT MARKING, LETTERS AND SYMBOLS	SQ FT	250	250
* X7830070	GROOVING FOR RECESSED PAVEMENT MARKING 5"	FOOT	21,675	21,675
* X7830076	GROOVING FOR RECESSED PAVEMENT MARKING 9"	FOOT	2,198	2,198
* X7830078	GROOVING FOR RECESSED PAVEMENT MARKING 13"	FOOT	566	566
* X7830090	GROOVING FOR RECESSED PAVEMENT MARKING 25"	FOOT	105	105
* X8210425	LUMINAIRE, STREET LIGHTING, HIGH PRESSURE SODIUM VAPOR, 250 WATT, 240 VOLT	EACH	5	5
* X8250505	LIGHTING CONTROLLER SPECIAL	EACH	1	1
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1
* Z0020900	ESTABLISHING AND REFERENCING LAND SECTION MARKERS	EACH	1	1
* Z0023600	FILLING EXISTING CULVERT	EACH	3	3
* Z0025500	PROPERTY MARKERS	EACH	6	6
* Z0033072	VIDEO VEHICLE DETECTOR SYSTEM	EACH	1	1
* Z0054500	ROCK FILL	TON	503	503
Z0065765	SLOTTED DRAIN 18" WITH VARIABLE SLOT	FOOT	116	116
X0324066	SLOPED METAL END SECTION WITH GRATE, 24 INCH	EACH	1	1
X0325358	SLOPED METAL END SECTION WITH GRATE, 30 INCH	EACH	1	1
X0324855	SLOPED METAL END SECTION WITH GRATE, 36 INCH	EACH	1	1
X0327302	SLOPED METAL END SECTION WITH GRATE, 57 X 38	EACH	2	2

* SPECIALTY ITEMS
Δ 100% STATE

20

* 5789 & 5861

Rev.

GENERAL NOTES

The removal of Bituminous Surfacing less than 6 inch thickness not on a rigid type base removed in conjunction with the base shall be removed as EARTH EXCAVATION. The removal of Bituminous Surfacing on a rigid type base or a thickness of 6 inches or more on a flexible base removed in conjunction with the base shall be included in the contract unit price for PAVEMENT REMOVAL of the type specified.

The final top 4 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. The cost of this work shall be included in the unit prices bid and no additional compensation will be allowed.

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.

The subgrade on this project, exclusive of rock cut areas is scheduled to be improved to a 12" depth according to Mechanistic Pavement Design. The areas scheduled to be improved to a depth greater than 12" are estimated based on the original geotechnical investigation. The subgrade shall be processed in accordance with Article 301.04 of the Standard Specifications before the engineer shall determine the limits and the additional thickness of improvement required, if any. Any additional undercutting required after this evaluation shall be paid for as EARTH EXCAVATION.

All "Aggregate Subgrade Improvement" (Section 303), shall be completed in accordance with Articles 311.04, 311.05, 311.05(a), 311.06 and 311.07. All aggregate subgrade thicknesses equal to or less than 12 inches shall be constructed of aggregate of CA02 gradation. All aggregate subgrade thicknesses greater than 12 inches shall be constructed of CS02.

All embankment constructed of cohesive soil shall be constructed with not more than 110% of optimum moisture content, determined by the standard proctor test. Cohesive soil shall be defined as any soil which contains greater than 10% particles by weight passing the 75 µm (#200 sieve). The 110% of optimum moisture limit may be waived in free-draining granular material when approved by the Engineer.

The following Mixture Requirements are applicable for this project:

Mixture Uses(s):	Incidental		
PG:	PG 64-22		
Design Air Voids	3 @ N50		
Mixture Composition (Gradation Mixture)	IL 9.5		
Friction Aggregate	C		
20 Year ESAL			
Quality Management Program to be Used			

* On projects with less than 2000 tons Level Binder, Growth Curve will be used for Density and IL 9.5 may be used

The area to be primed shall be limited to that which can be covered with HMA on the next day's production, but no more than five days in advance of the placement of the HMA, unless approved by the Engineer.

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

The soils report and profiles are available at the District Office for Contractor's review.

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 the associated drainage structure.

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 Contractor shall remove all entrance culverts in condition for reuse which are not to be left in place. They shall be cleaned and stored along the right of way as directed. In no case shall they be roughly handled or shoved by heavy machinery. Unusable material shall be disposed of by the Contractor at his expense. Cost of the work to be included in the contract unit price for EARTH EXCAVATION.

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 4" x 4" wood post 40" above the shoulder surface and extending to a minimum of 24" into the embankment. This work shall be included in the contract unit price for the EARTH EXCAVATION. There are an estimated 16 mailboxes to be relocated.

The new manhole lids on this project shall have the word "STORM", "SANITARY", or "WATER" on the lid. The word to be used is noted on the plans. It will be the Contractor's responsibility to determine the word to be used on other lids not noted on the plans. No additional compensation will be allowed for this work.

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 6" for Pipe Drains and 8" for Storm Sewer, but the size must be at least 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 underdrain system scheduled on this project is to be constructed in accordance with Section 601 of the Standard Specifications for Road and Bridge Construction, except CA 16 shall be used in lieu of FA 1 or FA 2 for trench backfill. The CA 16 shall be according to Article 1004.05 and Article 1004.01 of the Standard Specifications, except in the table, Course Aggregate Gradation, the percent passing the No. 16 sieve shall be 4 ± 4%. The trench shall be wrapped using a fabric envelope meeting the requirements of Article 1080.05 of the Standard Specifications. Fabric encasing the pipe shall be eliminated.

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.

FILE NAME = 64J43 GN.DOCX	USER NAME =	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TITLE	SHEET
	PLOT SCALE =	DRAWN -	REVISED -			FAU 5789 (US 8) & FAU 5881 (R 84)	2R-1	Henry	235	9
	PLOT DATE = 8/6/2014 11:45 AM	CHECKED -	REVISED -			CONTRACT NO. 64J43				
		DATE - 8/4/2014 1:13 PM	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA.	TO STA.	
						ILLINOIS		FED. AID PROJECT		

GENERAL NOTES

The Contractor shall be responsible for collecting and maintaining an electronic log of all stakeout survey that is performed on the job, either by him/her or any sub-contractor performing the stakeout. Upon request, all logs shall be submitted to the Department. No additional compensation will be allowed for this work, but shall be considered included in the cost for CONSTRUCTION LAYOUT.

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

1. All words, such as ONLY, shall be 8 feet high.
2. All non-freeway arrows shall be the large size.
3. The distance between yellow no-passing lines shall be 8 inches, not 7 inches, as shown in the detail of Typical Lane and Edge Lines.
4. Centerline Skip Dash Pavement Marking on multi-lane divided, multi-lane undivided, and one-way roadway shall be according to District Standard 41.1.

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

Permanent Survey Markers, Type II shall be cast-in-place as shown on District Standard 66.2. Option 2 would be to install a vaulted style, monumented as described by NGS as a 3D monument (Top Security Sleeve Rod Monument), with installation instructions provided by the District Chief of Surveys. If poured in place, the bottom of the marker shall be 5'-0" below the ground surface.

The Permanent Survey Markers, if possible, shall be installed at the beginning of the job and protected throughout.

The Contractor shall submit to the Engineer a description of location, elevation, and coordinates for each permanent survey marker. The horizontal coordinates must be derived by GPS and the elevation derived using an electronic level. The meta data, such as the Geoid used, (NGS adjustment ie: 97 HARN, 03, 07), and the base point(s) name or number shall be submitted along with a complete collection log. If collected using RTK method, it will require either 3 collections (averaged) from 2 different bases, or a minimum of 3 collections (averaged), at least 2 hours apart, from the same base. If using a CORS type network, the collection procedure shall include localizing with check shots on at least 2 different HARN monuments both before and after collection. The level circuit shall be run from furnished mark to furnished mark and then adjusted. The error of closure shall be submitted with the electronic level notes in a recognized format approved by the Engineer and/or the Chief of Surveys. The Engineer shall submit this information to the District Chief of Surveys.

All gutter outlets shall be extended to ditch flow as directed by the Engineer.

Right-of-way markers will be erected per Highway Standard 666001 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 12 inches inside the new right-of-way line. Method of installation shall be approved by the Engineer.

The Contractor shall place contraction joint in prolongation with joints in the existing pavement. The joint shall be a sawed contraction joint with dowel bar assembly as shown on Highway Standard 420001. The cost for this work shall be included in the contract unit price for the P.C.C. BASE COURSE.

Backfill plugs required under Article 669.09 Groundwater Management shall be constructed of concrete when within the following limits: All trenches made in the subgrade of the proposed improvement, and all trenches outside of the subgrade where the inner edge of the trench is closer than 2' to the edge of the proposed pavement, stabilized shoulder, curb or sidewalk.

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 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:

Geneseo Telephone (309/944-8025)	MidAmerican Energy/Electric (309/793-3704)
MidAmerican Energy/Gas (309/793-3760)	MidAmerican Energy/Elec.Transmission 563/333-8186
Windstream (217/519-8766)	Mediacom (309/743-4750)
City of Geneseo (309/944-8424)	City of Colona (309/792-0571)

IDOT is not a member of JULIE. If you are near any overhead lighting, intersection lighting or traffic signals, contact the IDOT Traffic Office at 815/284-5469 at least 48 hours prior to work.

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.

Tree planting layout shall be performed by the District Roadside Management Specialist. 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.

Excess trees that cannot be planted along the US 6/IL 84 project limits shall be planted at alternative locations as determined by the District Roadside Management Specialist. This work shall be included in the cost of the associated tree pay item(s).

A quantity of 75 Techny Arbovitae will be planted at the Illinois Department of Transportation storage facility at the intersection of Milan Beltway and Airport Rd. in Milan, IL. This work shall be included in the cost of the associated tree pay item(s).

POLICY GUIDELINES

1. All trees removed from the project area for construction or maintenance purposes will be replaced with deciduous tree species which are native to the District 2 area. Trees will be replaced according to the IDOT Departmental Policy D&E-18 (September 18, 2002). The location of the replacement trees shall be determined by the District 2 Roadside Manager. Trees which do not fit within the project limits may be planted elsewhere, as determined by the Roadside Manager.
2. According to IDOT BDE 59-7.15(3), all unmowed areas should be designated in the plans and seeded with the appropriate native seeding selections from Class 4, per directive of the December 8, 1999 Studies and Plans Engineer's Memorandum.
3. All woody plants which will have diameters of greater than 4 inches at maturity shall not be planted on the foreslopes, in the ditches, or in the clear zone as established in the BDE Manual.

FILE NAME = 64143 GN.DOCX	USER NAME *	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	SHEET NO.	SHEET NO.
	PLOT SCALE *	DRAWN -	REVISED -			FAU 5789 (US 6) & FAU 5861 (IL 84)	2R-1	Henry	235	10
	PLOT DATE = 8/6/2014 11:45 AM	CHECKED -	REVISED -			CONTRACT NO. 64143		ILLINOIS	FED. AID PROJECT	
				SCALE: SHEET NO. OF SHEETS STA. TO STA.						

GENERAL NOTES

COMMITMENTS

1. A commitment was made to Joshua Ballegeer to relocate his entrance to proposed location using a temporary use permit (See "Commitment File" for Temporary Use Permit).
2. A verbal commitment was made to Jennifer Block to replace the three trees in front of her house. This commitment was made by the project engineer.
3. A commitment was made to Kenneth Hull to replace trees in front of his property. This commitment was made by the project engineer (See "Commitment File").
4. A commitment was made to Merwin & Kathleen Rexroat to plant numerous trees in front of their property and to utilize a temporary use permit to relocate entrance. These commitments were made by the project engineer (See "Commitment File").
5. A verbal commitment was made to Jon Warren to replace a few of the trees in front of his house. This commitment was made by the project engineer.

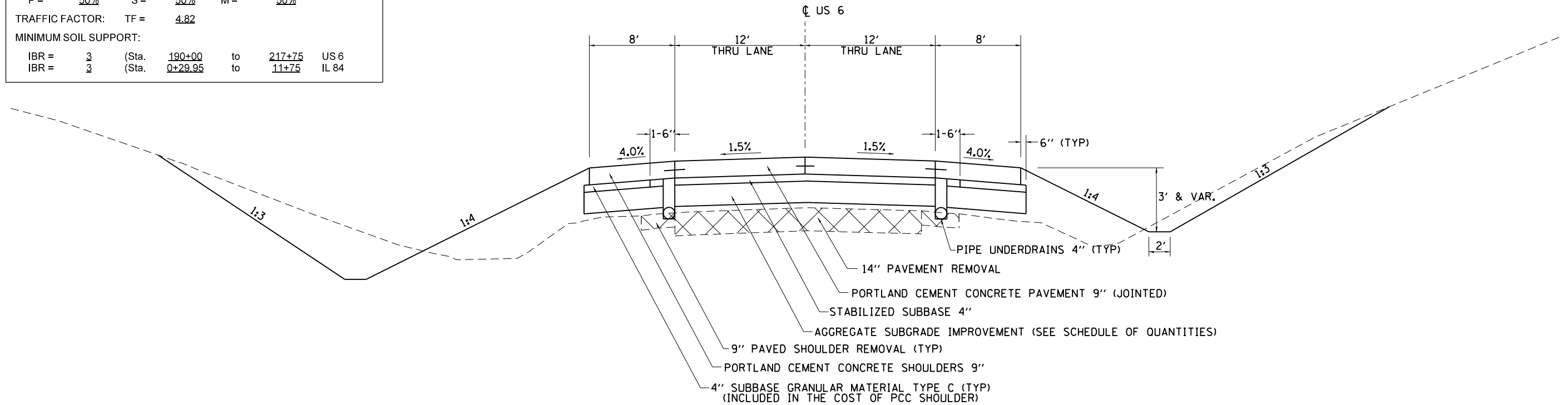
FILE NAME = 64J43 GN.DOCX	USER NAME *	DESIGNED - Engineering Systems	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	GENERAL NOTES	ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE *	CHECKED -	REVISED -			FAU 5789 (US 6) & FAU 5801 (IL 84)	2R-1	Henry	235	11
	PLOT DATE = 8/22/2014 11:45 AM	DATE = 6/4/2014 1:13 PM	REVISED -			CONTRACT NO. 64J43		ILLINOIS	FED. AID PROJECT	
				SCALE: SHEET NO. OF SHEETS STA. TO STA.						

TYPICAL SECTIONS

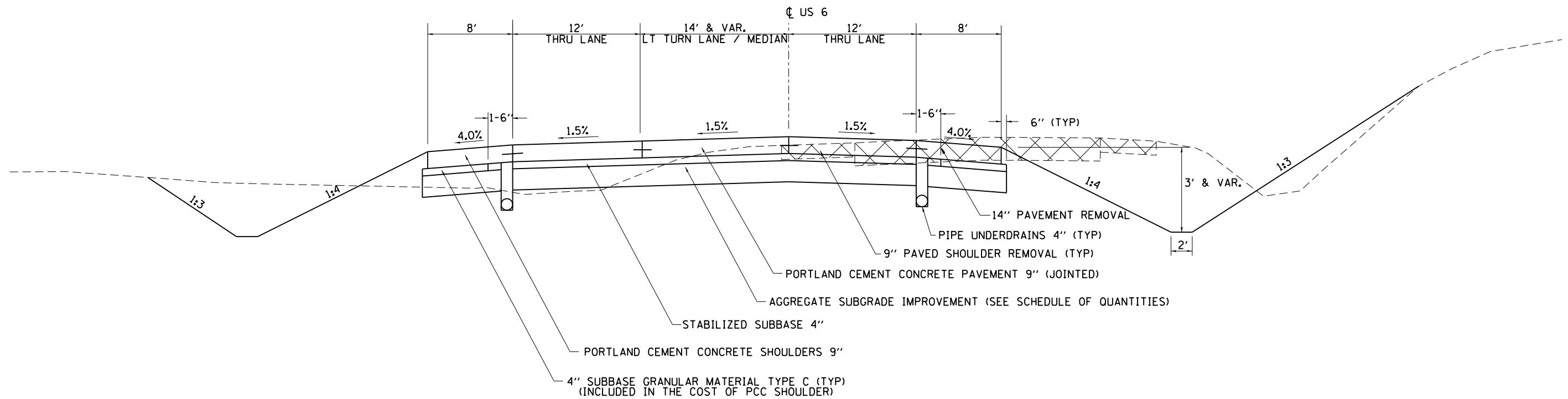
STRUCTURAL DESIGN INFORMATION (RIGID PAVEMENT)

STRUCTURAL DESIGN TRAFFIC: Year **2024**
 PV = **8,665** SU = **725** MU = **674**
 ROAD/STREET CLASSIFICATION: Class **II**
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = **50%** S = **50%** M = **50%**
 TRAFFIC FACTOR: TF = **4.82**
 MINIMUM SOIL SUPPORT:
 IBR = **3** (Sta. **190+00** to **217+75** US 6
 IBR = **3** (Sta. **0+29.95** to **11+75** IL 84

STA. 190+00 - 195+38



STA. 195+38 - 214+29.63



* 5789 & 5861

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
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PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -
PLOT DATE = Fri Aug 01 11:28:11 2014		DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	12
CONTRACT NO. 64J43				
ILLINOIS FED. AID PROJECT				

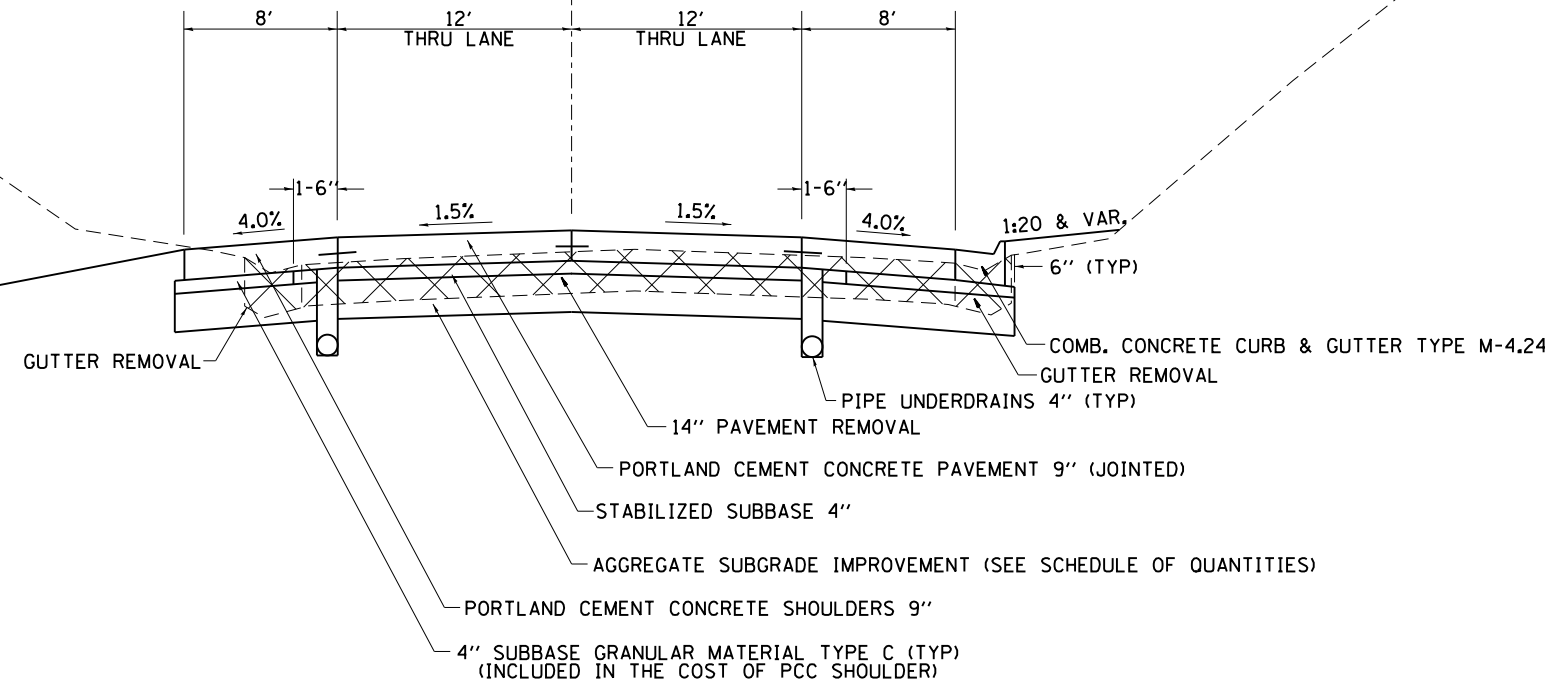
TYPICAL SECTIONS

STRUCTURAL DESIGN INFORMATION (RIGID PAVEMENT)

STRUCTURAL DESIGN TRAFFIC: Year 2024
 PV = 8,665 SU = 725 MU = 674
 ROAD/STREET CLASSIFICATION: Class II
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 50% S = 50% M = 50%
 TRAFFIC FACTOR: TF = 4.82
 MINIMUM SOIL SUPPORT:
 IBR = 3 (Sta. 190+00 to 217+75 US 6
 IBR = 3 (Sta. 0+29.95 to 11+75 IL 84

STA. 214+29.63 - 217+75

CL US 6



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

TYPICAL SECTIONS

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

* 5789 & 5861

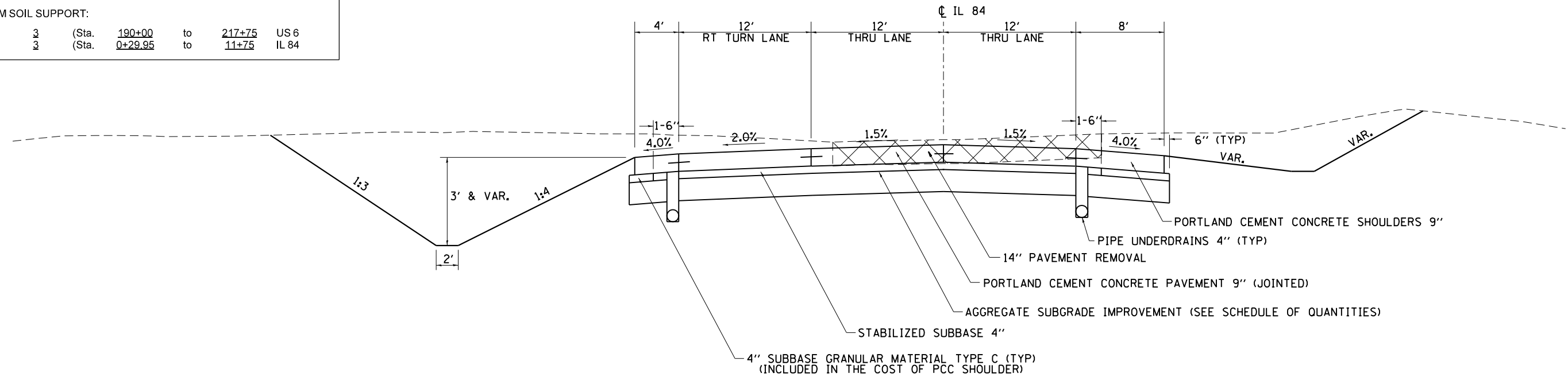
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	13
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

TYPICAL SECTIONS

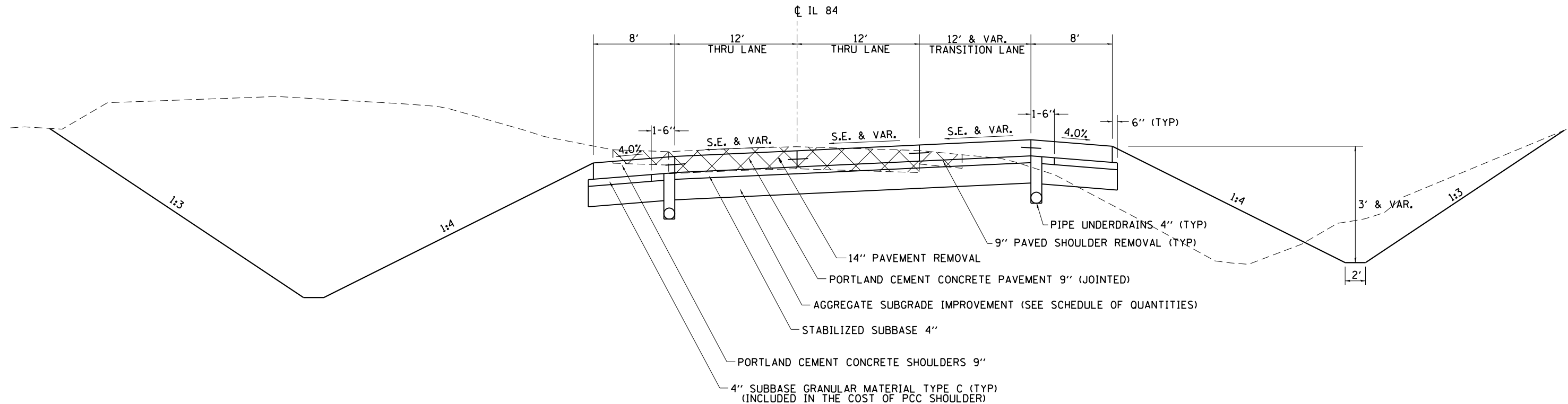
STRUCTURAL DESIGN INFORMATION (RIGID PAVEMENT)

STRUCTURAL DESIGN TRAFFIC: Year 2024
 PV = 8,665 SU = 725 MU = 674
 ROAD/STREET CLASSIFICATION: Class II
 PERCENT OF STRUCTURAL DESIGN TRAFFIC IN DESIGN LANE:
 P = 50% S = 50% M = 50%
 TRAFFIC FACTOR: TF = 4.82
 MINIMUM SOIL SUPPORT:
 IBR = 3 (Sta. 190+00 to 217+75 US 6
 IBR = 3 (Sta. 0+29.95 to 11+75 IL 84

STA. 0+49 - 6+68



STA. 6+68 - 11+75



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

TYPICAL SECTIONS

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

* 5789 & 5861

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	14
CONTRACT NO. 64J43				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES (CONTINUED)

20100110

TREE REMOVAL (6 TO 15 UNITS DIAMETER)

LOCATION

LOCATION	UNITS
STA 192+12.58	44.60 RT US 6
STA 200+92.70	60.30 RT US 6
STA 201+28.09	64.28 RT US 6
STA 192+69.87	50.89 LT US 6
STA 192+72.73	49.64 LT US 6
STA 192+74.22	56.84 LT US 6
STA 192+74.88	44.98 LT US 6
STA 193+16.18	63.30 LT US 6
STA 193+51.28	52.43 LT US 6
STA 193+69.10	58.31 LT US 6
STA 193+83.59	60.49 LT US 6
STA 193+95.67	58.02 LT US 6
STA 194+02.61	58.94 LT US 6
STA 194+06.90	55.19 LT US 6
STA 194+07.85	44.50 LT US 6
STA 194+13.52	39.54 LT US 6
STA 194+16.96	39.33 LT US 6
STA 194+32.56	54.98 LT US 6
STA 194+37.16	41.79 LT US 6
STA 194+42.32	35.06 LT US 6
STA 194+42.32	35.23 LT US 6
STA 194+44.02	47.33 LT US 6
STA 194+44.14	48.78 LT US 6
STA 194+52.13	34.18 LT US 6
STA 208+66.27	86.83 LT US 6
STA 208+75.05	83.46 LT US 6
STA 208+82.37	82.89 LT US 6
STA 209+05.93	81.89 LT US 6
STA 209+17.20	66.18 LT US 6
STA 209+19.57	62.36 LT US 6
STA 209+24.68	65.83 LT US 6
STA 209+24.82	71.21 LT US 6
STA 209+25.45	84.84 LT US 6
STA 209+36.02	65.51 LT US 6
STA 209+43.68	62.01 LT US 6
STA 209+55.66	80.38 LT US 6
STA 209+56.55	83.08 LT US 6
STA 209+64.69	83.76 LT US 6
STA 209+64.73	76.84 LT US 6
STA 209+70.43	47.98 LT US 6
STA 209+73.15	54.18 LT US 6
STA 209+74.60	66.51 LT US 6
STA 209+77.91	89.79 LT US 6
STA 209+81.87	94.01 LT US 6
STA 209+83.26	57.33 LT US 6
STA 209+84.01	93.57 LT US 6
STA 209+85.87	60.39 LT US 6
STA 209+87.06	82.18 LT US 6
STA 209+90.17	78.28 LT US 6
STA 209+92.51	92.76 LT US 6
STA 209+98.59	55.49 LT US 6
STA 210+03.81	61.23 LT US 6
STA 210+04.65	59.67 LT US 6
STA 210+05.47	58.92 LT US 6
STA 210+05.60	60.85 LT US 6
STA 210+12.40	86.05 LT US 6
STA 210+13.09	103.64 LT US 6
STA 210+16.85	63.12 LT US 6
STA 210+17.93	78.16 LT US 6
STA 210+25.06	55.78 LT US 6
STA 210+27.15	56.23 LT US 6
STA 210+31.35	74.11 LT US 6
STA 210+34.18	108.00 LT US 6
STA 210+37.61	88.19 LT US 6
STA 210+45.21	50.76 LT US 6
STA 210+48.37	97.39 LT US 6
STA 210+50.67	103.13 LT US 6
STA 210+51.35	68.67 LT US 6
STA 210+57.60	53.89 LT US 6
STA 210+64.05	85.93 LT US 6
STA 210+66.04	54.50 LT US 6
STA 210+70.35	71.22 LT US 6
STA 210+84.29	63.70 LT US 6
STA 210+90.93	67.48 LT US 6
STA 210+96.32	56.90 LT US 6
STA 210+97.24	58.36 LT US 6
STA 211+05.92	57.43 LT US 6
STA 211+25.04	68.01 LT US 6
STA 211+28.36	59.62 LT US 6
STA 211+33.97	63.19 LT US 6
STA 211+36.72	75.7 LT US 6
STA 211+40.97	61.91 LT US 6
STA 211+46.72	60.33 LT US 6
STA 211+48.61	72 LT US 6
STA 211+59.36	58.83 LT US 6

STA 211+64.11	64.55 LT US 6	9
STA 211+69.10	58.86 LT US 6	11
STA 211+79.23	65.53 LT US 6	11
STA 211+84.27	71.93 LT US 6	9
STA 211+99.81	68.71 LT US 6	13
STA 212+24.90	70.88 LT US 6	9
STA 212+40.42	68.66 LT US 6	15
STA 212+42.85	65.97 LT US 6	15
STA 212+64.11	62.32 LT US 6	11
STA 213+22.48	64.68 LT US 6	9
STA 213+61.59	67.18 LT US 6	11
STA 213+72.63	65.91 LT US 6	14
STA 213+79.12	62.28 LT US 6	13
STA 213+92.76	66.94 LT US 6	11
STA 213+99.43	70.45 LT US 6	13
STA 214+39.06	81.29 LT US 6	9
STA 214+47.79	68.86 LT US 6	9
STA 214+49.98	67.82 LT US 6	9
STA 214+70.89	76.05 LT US 6	9
STA 214+87.48	74.63 LT US 6	11
STA 215+03.75	77.54 LT US 6	9
STA 215+72.92	61.43 LT US 6	9
STA 215+74.06	60.72 LT US 6	13
STA 93+31.59	60.19 RT 400TH ST	9
STA 93+44.13	67.98 RT 400TH ST	6
STA 93+99.69	54.95 RT 400TH ST	8
STA 94+06.32	50.85 RT 400TH ST	8
STA 94+06.27	54.91 RT 400TH ST	8
STA 94+12.74	57.17 RT 400TH ST	8
STA 94+16.25	53.87 RT 400TH ST	8
STA 94+19.50	54.35 RT 400TH ST	8
STA 94+22.31	52.67 RT 400TH ST	8
STA 5+57.82	84.96 LT IL 84	15
STA 5+68.69	89.24 LT IL 84	9
STA 5+94.11	92.47 LT IL 84	13
STA 6+02.17	89.35 LT IL 84	9
STA 6+09.65	78.76 LT IL 84	9
STA 6+34.80	82.93 LT IL 84	9
STA 6+42.43	76.52 LT IL 84	15
STA 6+42.90	85.10 LT IL 84	9
STA 6+68.27	78.36 LT IL 84	13
STA 6+71.35	92.86 LT IL 84	9
STA 6+78.17	85.32 LT IL 84	13
STA 6+85.12	69.81 LT IL 84	15
STA 6+91.92	70.81 LT IL 84	11
STA 7+01.40	82.44 LT IL 84	9
STA 7+11.83	72.09 LT IL 84	15
STA 7+12.37	72.63 LT IL 84	9
STA 7+13.67	92.13 LT IL 84	15
STA 7+15.92	70.84 LT IL 84	11
STA 7+23.19	74.24 LT IL 84	9
STA 7+29.16	91.22 LT IL 84	11
STA 7+39.17	83.06 LT IL 84	11
STA 7+45.82	76.82 LT IL 84	9
STA 7+50.53	89.91 LT IL 84	15
STA 8+08.93	88.63 LT IL 84	11
STA 8+23.71	86.36 LT IL 84	11
STA 8+31.19	90.76 LT IL 84	15
STA 8+38.52	83.01 LT IL 84	11
STA 8+52.25	77.56 LT IL 84	9
STA 8+56.68	93.36 LT IL 84	9
STA 8+66.52	78.95 LT IL 84	15
STA 8+82.96	85.85 LT IL 84	15
STA 8+96.97	86.70 LT IL 84	9
STA 9+17.36	80.63 LT IL 84	9
STA 9+28.79	84.11 LT IL 84	15
STA 9+34.22	77.86 LT IL 84	15
STA 9+75.46	75.37 LT IL 84	13
STA 10+30.68	86.37 LT IL 84	9
STA 10+49.56	79.60 LT IL 84	9
STA 10+50.03	83.09 LT IL 84	13
STA 7+53.77	69.48 RT IL 84	13
STA 7+91.96	65.61 RT IL 84	9
STA 9+52.97	56.54 RT IL 84	11
STA 10+14.58	62.95 RT IL 84	11
STA 10+16.70	58.82 RT IL 84	13
STA 10+33.85	69.48 RT IL 84	13
STA 10+36.09	60.00 RT IL 84	15
STA 10+62.47	62.81 RT IL 84	9
STA 10+76.06	71.61 RT IL 84	9
STA 10+92.24	47.45 RT IL 84	9
STA 10+92.75	65.98 RT IL 84	11
STA 11+00.14	66.12 RT IL 84	11
STA 11+15.89	56.07 RT IL 84	9
STA 11+32.55	60.38 RT IL 84	15
STA 11+33.91	57.02 RT IL 84	9
STA 11+37.50	55.68 RT IL 84	9

TOTAL 1937 * 5789 & 5861

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pwork\pwork\cushmenbw\d0333009\201709-sh1-schedule.dgn	DRAWN -	REVISIED -				*	2R-1	HENRY	235	16	
PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISIED -				CONTRACT NO. 64J43					
PLOT DATE = Wed Aug 06 09:00:25 2014	DATE -	REVISIED -				ILLINOIS FED. AID PROJECT					
					SCALE:	SHEET NO.	OF	SHEETS	STA.	TO STA.	

SCHEDULE OF QUANTITIES

20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)				
	<u>LOCATION</u>				<u>UNITS</u>
	STA 192+52.78	41.34	RT	US 6	24
	STA 192+75.79	41.64	RT	US 6	30
	STA 193+24.06	42.44	RT	US 6	20
	STA 194+88.27	64.44	LT	US 6	18
	STA 200+29.29	50.96	RT	US 6	16
	STA 200+41.10	48.90	RT	US 6	16
	STA 200+88.40	58.60	RT	US 6	24
	STA 201+28.57	58.04	RT	US 6	18
	STA 192+94.09	60.66	LT	US 6	36
	STA 194+75.93	33.70	LT	US 6	18
	STA 194+93.38	38.58	LT	US 6	18
	STA 195+47.76	33.18	LT	US 6	20
	STA 202+29.98	69.23	RT	US 6	30
	STA 202+44.63	54.57	RT	US 6	26
	STA 207+99.18	76.7	RT	US 6	26
	STA 208+55.71	68.3	RT	US 6	16
	STA 208+72.43	84.69	LT	US 6	18
	STA 208+76.23	77.32	LT	US 6	24
	STA 209+63.70	68.15	LT	US 6	18
	STA 209+69.61	66.73	LT	US 6	18
	STA 209+86.74	53.40	LT	US 6	24
	STA 210+57.28	70.01	LT	US 6	20
	STA 214+42.58	67.93	LT	US 6	22
	STA 93+65.47	42.44	RT	400TH ST	16
	STA 93+83.29	40.66	RT	400TH ST	16
	STA 93+95.41	46.51	RT	400TH ST	16
	STA 96+84.73	68.64	RT	400TH ST	30
	STA 3+91.13	60.89	LT	IL 84	32
	STA 4+38.41	42.38	LT	IL 84	60
	STA 4+46.03	43.39	LT	IL 84	65
	STA 4+55.34	43.87	LT	IL 84	80
	STA 4+86.12	51.23	LT	IL 84	50
	STA 4+95.02	51.88	LT	IL 84	60
	STA 4+95.96	71.79	LT	IL 84	40
	STA 5+13.62	53.55	LT	IL 84	45
	STA 5+44.36	73.28	LT	IL 84	16
	STA 6+25.21	75.61	LT	IL 84	30
	STA 6+57.67	89.37	LT	IL 84	36
	STA 6+66.91	88.82	LT	IL 84	24
	STA 6+93.82	89.17	LT	IL 84	24
	STA 7+40.67	76.18	LT	IL 84	24
	STA 7+71.21	75.47	LT	IL 84	20
	STA 8+14.42	80.68	LT	IL 84	20
	STA 8+14.70	89.14	LT	IL 84	24
	STA 8+54.64	79.85	LT	IL 84	24
	STA 8+68.21	90.78	LT	IL 84	20
	STA 8+84.13	81.22	LT	IL 84	16
	STA 9+57.39	69.97	LT	IL 84	22
	STA 10+27.83	74.64	LT	IL 84	24
	STA 9+55.47	55.85	RT	IL 84	24
	STA 9+61.25	51.07	RT	IL 84	24
	TOTAL	1382			

25000100	SEEDING, CLASS 1					
	<u>LOCATION</u>				<u>ACRE</u>	
	STA 190+00	TO	200+00	RT	US 6	1.00
	STA 195+25	TO	204+50	LT	US 6	0.75
	STA 205+00	TO	217+75	RT	US 6	0.75
	STA 90+25	TO	100+00	RT	400TH ST	1.00
	STA 0+75	TO	11+75	LT	IL 84	1.50
	TOTAL					5.00

25000210	SEEDING, CLASS 2A					
	<u>LOCATION</u>				<u>ACRE</u>	
	STA 190+00	TO	195+25	LT	US 6	0.50
	STA 200+00	TO	204+50	RT	US 6	0.25
	STA 213+00	TO	217+75	LT	US 6	0.50
	STA 90+25	TO	100+00	LT	400TH ST	0.75
	STA 8+25	TO	15+50	RT	IL 84	0.50
	STA 1000+00	TO	1014+25	RT	SLIP RAMP	0.75
	TOTAL					3.25

25000310	SEEDING, CLASS 4					
	<u>LOCATION</u>				<u>ACRE</u>	
	STA 190+00	TO	195+25	LT	US 6	0.25
	STA 200+00	TO	204+50	RT	US 6	0.25
	STA 213+00	TO	217+75	LT	US 6	0.25
	STA 90+25	TO	100+00	LT	400TH ST	0.50
	STA 8+25	TO	15+50	RT	IL 84	0.25
	STA 1000+00	TO	1014+25	RT	SLIP RAMP	0.75
	TOTAL					2.25

25000400	NITROGEN FERTILIZER NUTRIENT					
	<u>LOCATION</u>				<u>POUND</u>	
	STA 190+00	TO	217+75	LT & RT	US 6	405.0
	STA 90+25	TO	100+00	LT & RT	400TH ST	202.5
	STA 0+75	TO	15+50	LT & RT	IL 84	202.5
	STA 1000+00	TO	1014+25	LT & RT	SLIP RAMP	135.0
	TOTAL					945

25000500	PHOSPHORUS FERTILIZER NUTRIENT					
	<u>LOCATION</u>				<u>POUND</u>	
	STA 190+00	TO	217+75	LT & RT	US 6	405.0
	STA 90+25	TO	100+00	LT & RT	400TH ST	202.5
	STA 0+75	TO	15+50	LT & RT	IL 84	202.5
	STA 1000+00	TO	1014+25	LT & RT	SLIP RAMP	135.0
	TOTAL					945

25000600	POTASSIUM FERTILIZER NUTRIENT					
	<u>LOCATION</u>				<u>POUND</u>	
	STA 190+00	TO	217+75	LT & RT	US 6	405.0
	STA 90+25	TO	100+00	LT & RT	400TH ST	202.5
	STA 0+75	TO	15+50	LT & RT	IL 84	202.5
	STA 1000+00	TO	1014+25	LT & RT	SLIP RAMP	135.0
	TOTAL					945

25000750	MOWING					
	<u>LOCATION</u>				<u>ACRE</u>	
	STA 190+00	TO	217+75	LT & RT	US 6	3.75
	STA 90+25	TO	100+00	LT & RT	400TH ST	1.75
	STA 0+75	TO	15+50	LT & RT	IL 84	2.00
	STA 1000+00	TO	1014+25	LT & RT	SLIP RAMP	0.75
	TOTAL					8.25

25100125	MULCH, METHOD 3					
	<u>LOCATION</u>				<u>ACRE</u>	
	STA 190+00	TO	217+75	LT & RT	US 6	4.50
	STA 90+25	TO	100+00	LT & RT	400TH ST	2.25
	STA 0+75	TO	15+50	LT & RT	IL 84	2.25
	STA 1000+00	TO	1014+25	LT & RT	SLIP RAMP	1.50
	TOTAL					10.50

25100630	EROSION CONTROL BLANKET							
	<u>LOCATION</u>				<u>SQ YD</u>	<u>WIDTH</u>	<u>COMMENTS</u>	
							FROM CENTER LINE OF DITCH	
							1:4	1:3
	<u>US 6</u>							
	STA 190+25	TO	191+25	RT	122	11.0'	6.1'	4.9'
	STA 191+75	TO	195+50	RT	458	11.0'	6.1'	4.9'
	STA 194+60	TO	195+50	LT	110	11.0'	6.1'	4.9'
	STA 196+00	TO	198+25	RT	325	13.0'	7.3'	5.7'
	STA 196+25	TO	198+25	LT	244	11.0'	6.1'	4.9'
	STA 199+50	TO	203+25	RT	625	15.0'	8.4'	6.6'
	STA 201+50	TO	203+25	LT	272	14.0'	7.9'	6.1'
	STA 203+25	TO	204+25	RT	133	12.0'	6.7'	5.3'
	STA 203+25	TO	204+25	LT	144	13.0'	7.3'	5.7'
	<u>IL 84</u>							
	STA 1+00	TO	3+25	LT	325	13.0'	7.3'	5.7'
	STA 10+25	TO	11+00	LT	67	8.0'	4.0'	4.0'
	<u>400TH STREET</u>							
	STA 90+75	TO	93+75	RT	400	12.0'	6.7'	5.3'
	STA 97+75	TO	99+75	LT	267	12.0'	6.7'	5.3'
	<u>SLIP RAMP</u>							
	STA 1004+25	TO	1007+25	RT	433	13.0'	7.3'	5.7'
	STA 1006+50	TO	1007+75	LT	111	8.0'	4.0'	4.0'
	STA 1007+25	TO	1011+50	RT	614	13.0'	7.3'	5.7'
	TOTAL				4,652			

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
ct:\pw\work\p\dot\cushmenbw\d0333009\p201709-sh-t-schedule.dgn		DRAWN -	REVISED -
PLOT SCALE = 100.0000' / 1in.		CHECKED -	REVISED -
PLOT DATE = Wed Aug 06 09:00:40 2014		DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SCHEDULE OF QUANTITIES

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

* 5789 & 5861

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	17
CONTRACT NO. 64J43				
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

ITEM NO.	DESCRIPTION	SQ YD	WIDTH	FROM CENTER LINE OF DITCH	1:4	1:3	EACH	COMMENTS
25100900	TURF REINFORCEMENT MAT							
	<u>LOCATION</u>							
	<u>US 6</u>							
	STA 193+50 TO 194+50 LT	144	13.0'	7.3'	5.7'			
	STA 205+25 TO 208+75 RT	583	15.0'	8.4'	6.6'			
	STA 213+00 TO 214+75 LT	233	12.0'	6.7'	5.3'			
	STA 216+40 TO 217+75 LT	270	18.0'	10.1'	7.9'			
	<u>IL 84</u>							
	STA 5+00 TO 10+25 LT	758	13.0'	7.3'	5.7'			
	STA 8+50 TO 11+25 RT	428	14.0'	7.9'	6.1'			
	STA 11+25 TO 14+00 RT	611	20.0'	11.3'	8.7'			
	STA 15+00 TO 15+25 RT	56	20.0'	11.3'	8.7'			
	<u>400TH STREET</u>							
	STA 90+50 TO 91+50 LT	156	14.0'	7.9'	6.1'			
	STA 92+50 TO 96+75 LT	661	14.0'	7.9'	6.1'			
	STA 93+75 TO 95+00 RT	194	14.0'	7.9'	6.1'			
	STA 95+50 TO 96+75 RT	194	14.0'	7.9'	6.1'			
	STA 97+50 TO 98+25 RT	117	14.0'	7.9'	6.1'			
	STA 98+25 TO 99+75 RT	250	15.0'	8.4'	6.6'			
	<u>SLIP RAMP</u>							
	STA 1000+00 TO 1001+75 RT	233	12.0'	6.7'	5.3'			
	STA 1002+25 TO 1003+25 RT	144	13.0'	7.3'	5.7'			
	STA 1003+25 TO 1004+25 RT	144	13.0'	7.3'	5.7'			
	STA 1011+50 TO 1014+25 RT	428	14.0'	7.9'	6.1'			
	TOTAL	5,606						
28000250	TEMPORARY EROSION CONTROL SEEDING							
	<u>LOCATION</u>	<u>POUND</u>		<u>COMMENTS</u>				
	STA 190+00 TO 217+75 LT & RT	3,600		ESTIMATED QUANTITY (PROJECT LIMITS)				
	STA 1+00 TO 15+25 LT & RT	1,800		ESTIMATED QUANTITY (PROJECT LIMITS)				
	STA 90+25 TO 99+50 LT & RT	1,800		ESTIMATED QUANTITY (PROJECT LIMITS)				
	STA 1000+00 TO 1014+25 RT	1,200		ESTIMATED QUANTITY (PROJECT LIMITS)				
	TOTAL	8,400						
28000305	TEMPORARY DITCH CHECKS							
	<u>LOCATION</u>	<u>FOOT</u>		<u>COMMENTS</u>				
	STA 190+50 TO 190+75 RT	20		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 192+00 TO 195+00 RT	130		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 193+75 TO 195+25 LT	50		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 196+50 TO 197+25 LT	40		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 196+75 TO 197+75 RT	20		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 200+00 TO 203+75 RT	50		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 201+75 TO 203+75 LT	60		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 205+25 TO 208+50 RT	140		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 211+25 TO 214+50 LT	150		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 216+50 TO 217+50 LT	50		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 1+50 TO 3+00 LT	50		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 4+25 TO 10+75 LT	260		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 8+50 TO 15+00 RT	210		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 90+75 TO 91+25 LT	30		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 91+00 TO 94+75 RT	160		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 92+75 TO 96+50 LT	160		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 98+00 TO 99+50 LT	70		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 97+75 TO 99+50 RT	80		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 1002+50 TO 1014+00 RT	330		SEE PLANVIEW FOR EXACT LOCATIONS				
	STA 1006+50 TO 1007+50 LT	30		SEE PLANVIEW FOR EXACT LOCATIONS				
	TOTAL	2090						
28000400	PERIMETER EROSION BARRIER							
	<u>LOCATION</u>	<u>FOOT</u>						
	STA 190+00 TO 193+50 LT	371		US 6				
	STA 198+25 TO 201+25 LT	322		US 6				
	STA 216+38 TO 217+75 RT	137		US 6				
	STA 96+75 TO 97+40 RT	74		400TH ST				
	STA 1001+75 TO 1002+25 RT	69		SLIP RAMP				
	TOTAL	973						
28000500	INLET AND PIPE PROTECTION							
	<u>LOCATION</u>							
	STA 191+70 RT	1		US 6				
	STA 196+25 LT & RT	2		US 6				
	STA 198+75 RT	1		US 6				
	STA 199+50 RT	1		US 6				
	STA 203+25 RT	1		US 6				
	STA 206+22 LT	1		US 6				
	STA 208+75 RT	1		US 6				
	STA 214+67 LT	1		US 6				
	STA 3+25 LT	1		IL 84				
	STA 10+25 LT	1		IL 84				
	STA 13+90 RT	1		IL 84				
	STA 91+50 LT	1		400TH ST				
	STA 95+00 RT	1		400TH ST				
	STA 96+75 RT	1		400TH ST				
	TOTAL	15						
28100105	STONE RIPRAP, CLASS A3							
	<u>LOCATION</u>	<u>SQ YD</u>		<u>COMMENTS</u>				
	STA 3+89 TO 5+00 IL 84	210		See District Std. 21.4 For Dimensions				
	TOTAL	210						
28100107	STONE RIPRAP, CLASS A4							
	<u>LOCATION</u>	<u>SQ YD</u>		<u>COMMENTS</u>				
	STA 194+40 LT	25		17' L, Variable Width See District Std. 19.4				
	STA 209+18.0 LT	64		Variable Width/ Installed on 1:3 Backslope See District Std. 19.4				
	STA 216+25 LT	46		24' Length See District Std. 19.4				
	STA 10+76.35 RT	76		Variable Width/ Installed on 1:3 Backslope See District Std. 19.4				
	TOTAL	211						
28200200	FILTER FABRIC							
	<u>LOCATION</u>	<u>SQ YD</u>		<u>COMMENTS</u>				
	STA 194+40 LT	25		17' L, Variable Width See District Std. 19.4				
	STA 198+75 LT	34		17' L, Variable Width See Detail Sheet				
	STA 203+25 LT	46		20' L, Variable Width See Detail Sheet				
	STA 209+18.0 LT	64		Variable Width/ Installed on 1:3 Backslope See District Std. 19.4				
	STA 216+25 LT	46		24' Length See District Std. 19.4				
	STA 217+38 RT	28		20' L x 7.5' W See Detail Sheet				
	STA 3+89 TO 5+00 LT	210		See District Std. 21.4 For Dimensions				
	STA 10+76.35 RT	76		Variable Width/ Installed on 1:3 Backslope See District Std. 19.4				
	STA 14+85 RT	53		27' L, Variable Width See Detail Sheet				
	TOTAL	582						
28500400	ARTICULATED BLOCK REVETMENT MAT							
	<u>LOCATION</u>	<u>SQ YD</u>		<u>COMMENTS</u>				
	STA 198+75 LT	34		17' L, Variable Width See Detail Sheet				
	STA 203+25 LT	46		20' L, Variable Width See Detail Sheet				
	STA 217+38 RT	28		20' L x 7.5' W See Detail Sheet				
	STA 14+85 RT	53		27' L, Variable Width See Detail Sheet				
	TOTAL	161						
30300112	AGGREGATE SUBGRADE IMPROVEMENT 12"							
	<u>LOCATION</u>	<u>SQ YD</u>						
	STA 190+00 TO 195+50 US 6	2502						
	STA 197+50 TO 203+50 US 6	3624						
	STA 211+50 TO 214+50 US 6	1681						
	STA 5+50 TO 8+50 IL 84	1083						
	STA 94+50 TO 97+50 400TH ST	1133						
	STA 10+12 TO 11+19 COLONA HEIGHTS	458						
	TOTAL	10481						
30300118	AGGREGATE SUBGRADE IMPROVEMENT 18"							
	<u>LOCATION</u>	<u>SQ YD</u>						
	STA 214+50 TO 217+75 US 6	1443						
	STA 0+49 TO 5+50 IL 84	2909						
	STA 8+50 TO 11+75 IL 84	1629						
	STA 90+25 TO 94+50 400TH ST	1600						
	TOTAL	7581						
30300124	AGGREGATE SUBGRADE IMPROVEMENT 24"							
	<u>LOCATION</u>	<u>SQ YD</u>						
	STA 195+50 TO 197+50 US 6	1011						
	STA 203+50 TO 211+50 US 6	4356						
	STA 97+50 TO 100+13 400TH ST	1394						
	STA 1000+00 TO 1014+49 SLIP RAMP	3923						
	TOTAL	10684						
42400200	PORTLAND CEMENT CONCRETE SIDEWALK 5 INCH							
	<u>LOCATION</u>	<u>SQ FT</u>						
	STA 97+03 TO 97+51 RT 400TH ST.	260						
	TOTAL	260						
44000100	PAVEMENT REMOVAL							
	<u>LOCATION</u>	<u>SQ YD</u>						
	STA 190+00 TO 217+75 US 6	8080						
	STA 1+39 TO 11+75 IL 84	2887						
	STA 1003+06 TO 1012+54 RAMP	1639						
	TOTAL	12606						

* 5789 & 5861

SCHEDULE OF QUANTITIES

X0324066	SLOPED METAL END SECTION WITH GRATE, 24 INCH <u>LOCATION</u> STA 199+50 RT US 6	EACH $\frac{1}{1}$ TOTAL	<u>COMMENTS</u> PRIVATE ENTRANCE, USE 1:6 SLOPE
X0324855	SLOPED METAL END SECTION WITH GRATE, 36 INCH <u>LOCATION</u> STA 10+76 RT COLONA HEIGHTS	EACH $\frac{1}{1}$ TOTAL	<u>COMMENTS</u> PRIVATE ENTRANCE, USE 1:6 SLOPE
X0325358	SLOPED METAL END SECTION WITH GRATE, 30 INCH <u>LOCATION</u> STA 194+61 LT US 6	EACH $\frac{1}{1}$ TOTAL	<u>COMMENTS</u> PRIVATE ENTRANCE, USE 1:6 SLOPE
X0327302	SLOPED METAL END SECTION WITH GRATE, 57 X 38 <u>LOCATION</u> STA 14+30 RT IL 84	EACH $\frac{2}{2}$ TOTAL	<u>COMMENTS</u> PRIVATE ENTRANCE, USE 1:6 SLOPE

* 5789 & 5861

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SCHEDULE OF QUANTITIES	SCALE:	SHEET NO. OF SHEETS STA. TO STA.	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\work\pwork\cushmenbw\d0333009\201709-sh-t-schedule.dgn		DRAWN -	REVISED -					*	2R-1	HENRY	235	22
PLOT SCALE = 100.0000' / 1" =		CHECKED -	REVISED -					CONTRACT NO. 64J43				
PLOT DATE = Mon Aug 11 11:51:21 2014		DATE -	REVISED -					ILLINOIS FED. AID PROJECT				

PAVING SCHEDULE

PAVING SCHEDULE

Location	Remarks	Length	Proposed Surface		X4060110	31200100	40800050	42000401	48300400	
			WIDTH	SQ YD	Bituminous Materials (Prime Coat)	Stabilized Subbase 4"	Incidental Hot-Mix Asphalt Surfacing	Portland Cement Conc. Pavement 9" (Jointed)	Portland Cement Conc. Shoulders, 9"	
					POUND	SQ YD	TON	SQ YD	SQ YD	
MAINLINE PAVEMENT										
US 6										
Lt & Rt Sta	190 + 0 - 195 + 38	Main Line	538	24	1435		1615		1434.67	
Lt & Rt Sta	195 + 38 - 198 + 88	Main Line	350	VAR	1206		1322		1206.11	
Lt & Rt Sta	198 + 88 - 210 + 80	Main Line	1192	38	5033		5430		5032.89	
Lt & Rt Sta	210 + 80 - 214 + 30	Main Line	350	VAR	1206		1323		1205.56	
Lt & Rt Sta	214 + 30 - 217 + 75	Main Line	345	24	920		1035		920.00	
IL 84										
Lt & Rt Sta	0 + 49 - 2 + 28		179	VAR	1143		1222		1143.44	
Lt & Rt Sta	2 + 28 - 4 + 3		175	36	700		759		700.00	
Lt & Rt Sta	4 + 3 - 6 + 68		265	VAR	883		972		882.67	
Lt & Rt Sta	6 + 68 - 11 + 75		507	24	1352		1521		1352.00	
Rt Sta	8 + 60 - 10 + 60		200	VAR	134		167		133.78	
400										
Lt & Rt Sta	90 + 25 - 90 + 67		50	VAR	126	56.85		24.8		
Lt & Rt Sta	90 + 67 - 98 + 93		826	32	2935	1320.82		575.3		
Lt & Rt Sta	98 + 93 - 100 + 13		120	VAR	639		694		638.78	
SLIP RAMP										
Lt Sta	1000 + 0 - 1003 + 79		379	VAR	391		454		390.89	
Lt Sta	1003 + 79 - 1005 + 18		139	12	185		231		185.12	
Lt Sta	1005 + 18 - 1011 + 56		638	VAR	1228		1440		1228.00	
Lt Sta	1011 + 56 - 1014 + 49		293	12	391		391		390.68	
Colona Heights										
Colona Heights	10 + 12 - 10 + 57		45	VAR	228		251		227.77	
Colona Heights	10 + 57 - 11 + 19		61.5	VAR	140	62.85		27.4		
SHOULDERS										
US 6										
Rt. Sta	190 + 0 - 203 + 96		1395.66	8	1241				1240.6	
Rt. Sta	206 + 7 - 217 + 75		1168.37	8	1039				1038.6	
Lt. Sta	190 + 0 - 202 + 98		1298.43	8	1154				1154.2	
Lt. Sta	212 + 78 - 214 + 65		187	8	166				166.2	
Lt. Sta	215 + 82 - 217 + 75		193.28	8	172				171.8	
IL 84										
Lt. Sta	0 + 49 - 1 + 38		89.45	VAR	108				107.7	
Lt. Sta	1 + 38 - 5 + 60		421.64	4	187				187.4	
Lt. Sta	5 + 60 - 6 + 68		108.36	VAR	80				79.9	
Lt. Sta	6 + 68 - 11 + 75		506.6	8	450				450.3	
Rt. Sta	8 + 60 - 11 + 75		314.94	8	280				279.9	
SLIP RAMP										
	1000 + 0 - 1014 + 49		1449.3	8	1288				1288.3	
SLIP RAMP ISLAND										
				VAR	960				960.3	
COLONA HEIGHTS										
Colona Heights LT & RT	10 + 12 - 10 + 57		45	VAR	71				70.9	
400										
Lt Sta	98 + 93 - 100 + 13		120	VAR	77				76.6	
Rt Sta	98 + 93 - 100 + 13		120	VAR	100				100.1	
TOTALS						1,440.5	18,827	627	17,072	7,373

* 5789 & 5861

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
c:\pwork\pwork\cushmenbw\d0333009\201709-sh-t-schedule.dgn		DRAWN -	REVISED -
	PLOT SCALE = 100.0000' / 1" =	CHECKED -	REVISED -
	PLOT DATE = Wed Aug 06 09:02:17 2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PAVING SCHEDULE

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	23
			CONTRACT NO. 64J43	
ILLINOIS FED. AID PROJECT				

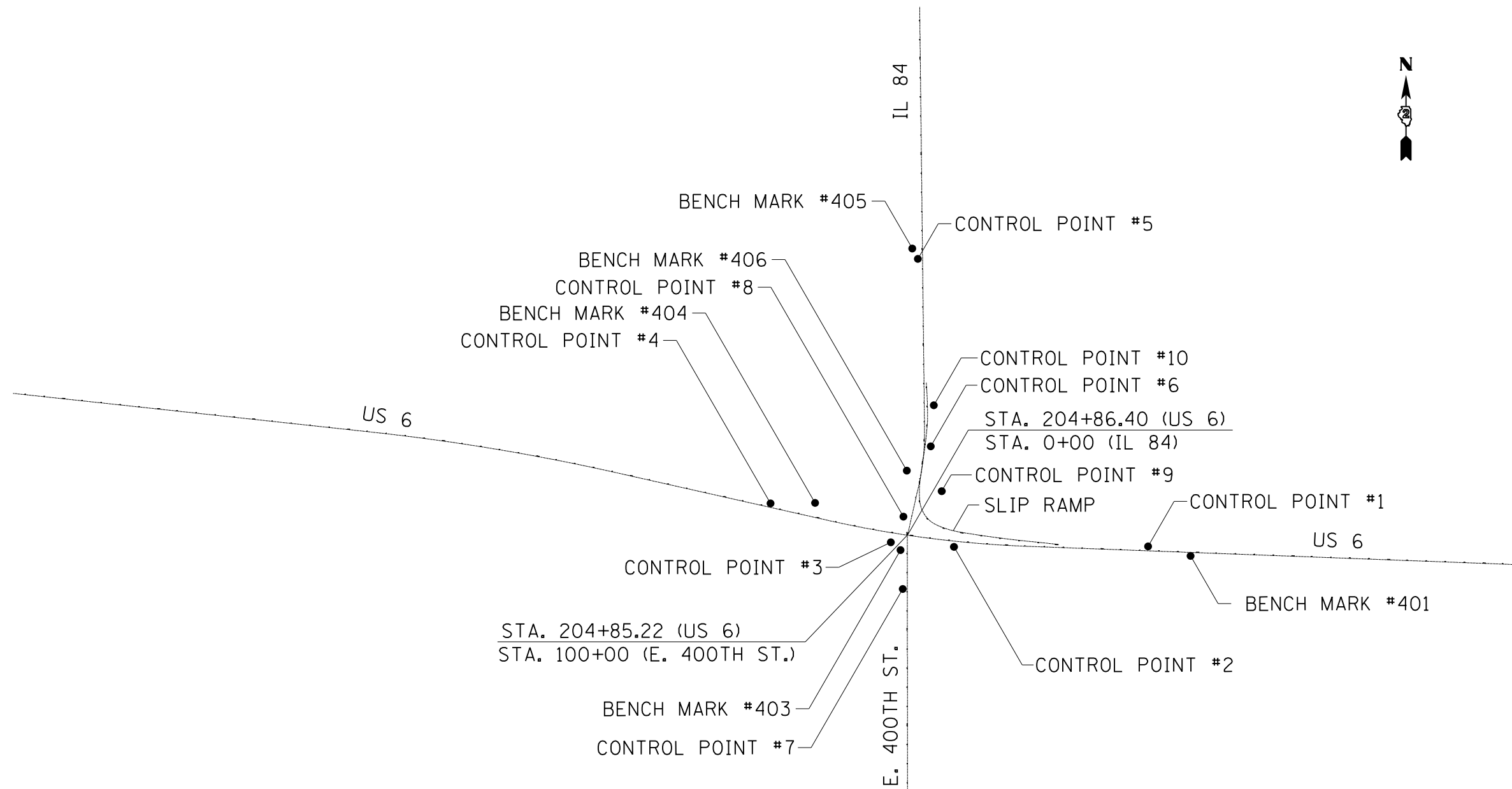
ENTRANCE /EARTHWORK SCHEDULE

Location	ENTRANCE TYPE	WIDTH	Proposed Surface	Proposed Base Course	35101400	40201000	X4060110	40800050	42300300	44000200	
					Aggregate Base Course, Type B	Aggregate For Temporary Access	Bituminous Materials (Prime Coat)	Incidental Hot-Mix Asphalt Surfacing	Portland Cement Conc. Driveway Pavement 7"	Driveway Pavement Removal	
				SQ FT	SQ FT	TON	TON	POUND	TON	SQ YD	SQ YD
US 6											
STA. 191+50	PE RT	Bit.	20	1291.0	1418.0	71.8	71.8	64.55	22.1		
STA. 195+64	PE LT	Bit.	12	786.0	898.0	45.5	45.5	39.30	13.4		
STA. 195+72	PE RT	Bit.	20	1239.0	1359.0	68.8	68.8	61.95	21.2		
STA. 195+92	PE LT	Bit.	12	777.0	888.0	44.9	44.9	38.85	13.3		
STA. 198+39	PE RT	Bit.	12	744.0	868.0	43.9	43.9	37.20	12.7		
STA. 199+23	PE RT	Bit.	16	1032.0	1158.0	58.6	58.6	51.60	17.7		
STA. 199+36	PE LT	Bit.	12	568.0	657.0	33.3	33.3	28.40	9.7		
STA. 201+28	PE LT	Bit.	17	649.0	724.0	36.6	36.6	32.45	11.1		
STA. 209+18	PE RT	Bit.	12	664.0	769.0	38.9	38.9	33.20	11.4		
STA. 209+54	PE RT	Bit.	12	715.0	817.0	41.4	41.4	35.75	12.2		
STA. 215+24	CE LT	Conc.	20	740.0							83.00
STA. 215+36	CE RT	Conc.	24	783.0			39.6		87.00		68.00
STA. 216+36	CE RT	Conc.	16	524.0			26.5		58.22		51.00
IL 84											
STA. 3+50	PE LT	Bit.	20	3408.0	3695.0	187.0	187.0	170.40	58.3		
STA. 4+62 - 5+20	PE LT	Bit.	VAR	618.0	684.0	34.6		30.90	10.6		
STA. 14+31	CE RT	Conc.	24	1075.0			54.4		119.44		69.00
400											
STA. 90+54	PE RT	Bit.	12	636.0	716.0	36.2	36.2	31.80	10.9		
STA. 91+75	FE LT	Agg.	24	1282.0	1282.0						
STA. 95+19	PE RT	Bit.	15	1276.0	1447.0	73.2	73.2	63.80	21.8		
STA. 97+00	PE RT	Conc.	12	1937.0					215.22		223.00
STA. 97+50	FE LT	Agg.	24	1245.0		1245.0					
Colona Heights											
STA. 10+90	PE RT	Bit.	21	1589.0	1740.0	88.1	88.1	79.45	27.2		
TOTALS						3,430	989	799.6	274	480	494

LOCATION	20200100			
	EARTH EXCAVATION	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	EARTHWORK BALANCE
	(CU YD)	(CU YD)	(CU YD)	WASTE (+) SHORTAGE (-) (CU YD)
US 6				
190+00.00 TO 195+50.00	2662.5	1996.9	1716.2	280.7
195+50.00 TO 201+50.00	2975.9	2231.9	2370.5	-138.6
201+50.00 TO 207+50.00	5014.1	3760.6	309.9	3450.7
207+50.00 TO 213+50.00	3604.8	2703.6	135.2	2568.4
213+50.00 TO 217+75.00	1755.6	1316.7	700.9	615.8
IL 84				
1+00.00 TO 6+00.00	7992.2	5994.2	23.3	5970.9
6+00.00 TO 12+00.00	9534.7	7151.0	463.9	6687.1
12+00.00 TO 15+25.00	365.5	274.1	92.9	181.2
400TH ST.				
90+25.00 TO 95+50.00	3844.5	2883.4	5052.1	-2168.7
95+50.00 TO 99+75.00	11399.2	8549.4	1666.3	6883.1
SLIP RAMP				
1000+00.00 TO 1005+50.00	3400.2	2550.2	505.0	2045.2
1005+50.00 TO 1008+50.00	1701.9	1276.4	350.5	925.9
1008+50.00 TO 1014+25.00	4297.2	3222.9	43.7	3179.2
COLONA HEIGHTS				
10+50.00 TO 11+18.50	108.4	81.3	347.0	-265.7
TOTALS	58656.7	43992.5	13777.4	30215.1

* 5789 & 5861

EXISTING HORIZONTAL & VERTICAL CONTROL



CURVE POINT NUMBERS					
CHAIN	CURVE	PI	CC	PC	PT
US_6	200	200	201	202	203
US_6	210	210	211	212	213
IL_84	220	220	221	222	223

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 11:24:52 2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EXISTING HORIZONTAL & VERTICAL
CONTROL SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	25
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

EXISTING HORIZONTAL & VERTICAL CONTROL

Chain US_6 contains:
65 CUR 200 CUR 210 49

Beginning chain US_6 description
=====

Point 65 N 1,744,871.6634 E 2,239,475.4060 Sta 157+41.34
Course from 65 to PC 200 96° 10' 13.56" Dist 1,886.6955'

Curve Data

Curve 200
P.I. Station 182+80.10 N 1,744,598.7811 E 2,241,999.4606
Delta = 6° 31' 31.34" (RT)
Degree = 0° 30' 03.25"
Tangent = 652.0672'
Length = 1,302.7245'
Radius = 11,438.5205'
External = 18.5709'
Long Chord = 1,302.0206'
Mid. Ord. = 18.5408'
P.C. Station 176+28.03 N 1,744,668.8694 E 2,241,351.1710
P.T. Station 189+30.76 N 1,744,455.4731 E 2,242,635.5852
C.C. N 1,733,296.6173 E 2,240,121.6863

Course from PT 200 to PC 210 102° 41' 44.91" Dist 1,132.5706'

Curve Data

Curve 210
P.I. Station 205+91.27 N 1,744,090.5332 E 2,244,255.5040
Delta = 10° 33' 05.13" (LT)
Degree = 1° 00' 07.64"
Tangent = 527.9469'
Length = 1,052.9080'
Radius = 5,717.4436'
External = 24.3235'
Long Chord = 1,051.4208'
Mid. Ord. = 24.2204'
P.C. Station 200+63.33 N 1,744,206.5626 E 2,243,740.4651
P.T. Station 211+16.23 N 1,744,070.7786 E 2,244,783.0812
C.C. N 1,749,784.2183 E 2,244,997.0152

Course from PT 210 to 49 92° 08' 39.77" Dist 2,613.7486'

Point 49 N 1,743,972.9779 E 2,247,394.9994 Sta 237+29.98

=====
Ending chain US_6 description

Chain IL_84 contains:
230 CUR 220 56

Beginning chain IL_84 description
=====

Point 230 N 1,744,128.9299 E 2,244,156.2569 Sta 0+00.00
Course from 230 to PC 220 12° 41' 10.76" Dist 262.5027'

Curve Data

Curve 220
P.I. Station 4+13.01 N 1,744,531.8555 E 2,244,246.9590
Delta = 13° 20' 39.16" (LT)
Degree = 4° 27' 11.78"
Tangent = 150.5057'
Length = 299.6495'
Radius = 1,286.5994'
External = 8.7731'
Long Chord = 298.9728'
Mid. Ord. = 8.7137'
P.C. Station 2+62.50 N 1,744,385.0241 E 2,244,213.9060
P.T. Station 5+62.15 N 1,744,682.3513 E 2,244,245.2309
C.C. N 1,744,667.5785 E 2,242,958.7164

Course from PT 220 to 56 359° 20' 31.60" Dist 4,059.8347'

Point 56 N 1,748,741.9184 E 2,244,198.6155 Sta 46+21.99

=====
Ending chain IL_84 description

Chain E_400THSTR contains:
64 240

Beginning chain E_400THSTR description
=====

Point 64 N 1,742,797.9824 E 2,244,156.1757 Sta 86+68.88

Course from 64 to 240 359° 57' 11.95" Dist 1,331.1214'

Point 240 N 1,744,129.1034 E 2,244,155.0912 Sta 100+00.00

=====
Ending chain E_400THSTR description

Chain SLIPRAMP contains:
70001 CUR 70310 CUR 70320 CUR 70330 CUR 70340 CUR 70350 CUR 70360 70002

Beginning chain SLIPRAMP description
=====

Point 70001 N 1,744,080.8085 E 2,244,945.3602 Sta 1000+00.00
Course from 70001 to PC 70310 275° 53' 33.74" Dist 162.1369'

Curve Data

Curve 70310
P.I. Station 1003+40.26 N 1,744,115.7415 E 2,244,606.8996
Delta = 3° 34' 47.11" (RT)
Degree = 1° 00' 18.68"
Tangent = 178.1217'
Length = 356.1274'
Radius = 5,700.0000'
External = 2.7824'
Long Chord = 356.0695'
Mid. Ord. = 2.7811'
P.C. Station 1001+62.14 N 1,744,097.4544 E 2,244,784.0800
P.T. Station 1005+18.26 N 1,744,145.0556 E 2,244,431.2067
C.C. N 1,749,767.3350 E 2,245,369.2758

Curve Data

Curve 70320
P.I. Station 1005+80.88 N 1,744,155.3603 E 2,244,369.4455
Delta = 14° 16' 33.45" (RT)
Degree = 11° 27' 32.96"
Tangent = 62.6149'
Length = 124.5812'
Radius = 500.0000'
External = 3.9054'
Long Chord = 124.2592'
Mid. Ord. = 3.8751'
P.C. Station 1005+18.26 N 1,744,145.0556 E 2,244,431.2067
P.T. Station 1006+42.85 N 1,744,180.5767 E 2,244,312.1327
C.C. N 1,744,638.2380 E 2,244,513.4934

Curve Data

Curve 70330
P.I. Station 1007+33.96 N 1,744,217.2689 E 2,244,228.7371
Delta = 60° 53' 41.71" (RT)
Degree = 36° 57' 54.07"
Tangent = 91.1106'
Length = 164.7366'
Radius = 155.0000'
External = 24.7947'
Long Chord = 157.0919'
Mid. Ord. = 21.3754'
P.C. Station 1006+42.85 N 1,744,180.5767 E 2,244,312.1327
P.T. Station 1008+07.58 N 1,744,307.9816 E 2,244,220.2314
C.C. N 1,744,322.4517 E 2,244,374.5545

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING HORIZONTAL & VERTICAL CONTROL SHEETS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\dot\cushmenbw\d0333009\0201709-sh1-ATB.dgn		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 64J43
Default		CHECKED -	REVISED -										
	PLOT DATE = Fri Aug 01 11:25:06 2014	DATE -	REVISED -										

EXISTING HORIZONTAL & VERTICAL CONTROL

Curve Data

Curve 70340
P.I. Station 1008+68.22 N 1,744,368.3507 E 2,244,214.5709
Delta = 13° 49' 43.48" (RT)
Degree = 11° 27' 32.96"
Tangent = 60.6339'
Length = 120.6786'
Radius = 500.0000'
External = 3.6631'
Long Chord = 120.3859'
Mid. Ord. = 3.6364'
P.C. Station 1008+07.58 N 1,744,307.9816 E 2,244,220.2314
P.T. Station 1009+28.26 N 1,744,428.3230 E 2,244,223.5040
C.C. N 1,744,354.6593 E 2,244,718.0479

Course from PT 70340 to PC 70350 8° 28' 19.49" Dist 118.3636'

Curve Data

Curve 70350
P.I. Station 1011+37.18 N 1,744,634.9601 E 2,244,254.2832
Delta = 4° 24' 01.13" (LT)
Degree = 2° 25' 51.16"
Tangent = 90.5533'
Length = 181.0175'
Radius = 2,357.0000'
External = 1.7388'
Long Chord = 180.9730'
Mid. Ord. = 1.7376'
P.C. Station 1010+46.62 N 1,744,545.3950 E 2,244,240.9422
P.T. Station 1012+27.64 N 1,744,725.2848 E 2,244,260.7130
C.C. N 1,744,892.6459 E 2,241,909.6623

Curve Data

Curve 70360
P.I. Station 1013+24.57 N 1,744,822.2021 E 2,244,262.0639
Delta = 4° 53' 24.08" (LT)
Degree = 2° 31' 26.65"
Tangent = 96.9267'
Length = 193.7357'
Radius = 2,269.9774'
External = 2.0684'
Long Chord = 193.6769'
Mid. Ord. = 2.0665'
P.C. Station 1012+27.64 N 1,744,725.2848 E 2,244,260.7130
P.T. Station 1014+21.38 N 1,744,918.8818 E 2,244,255.1483
C.C. N 1,744,756.9220 E 2,241,990.9561

Course from PT 70360 to 70002 355° 54' 30.77" Dist 10.5626'

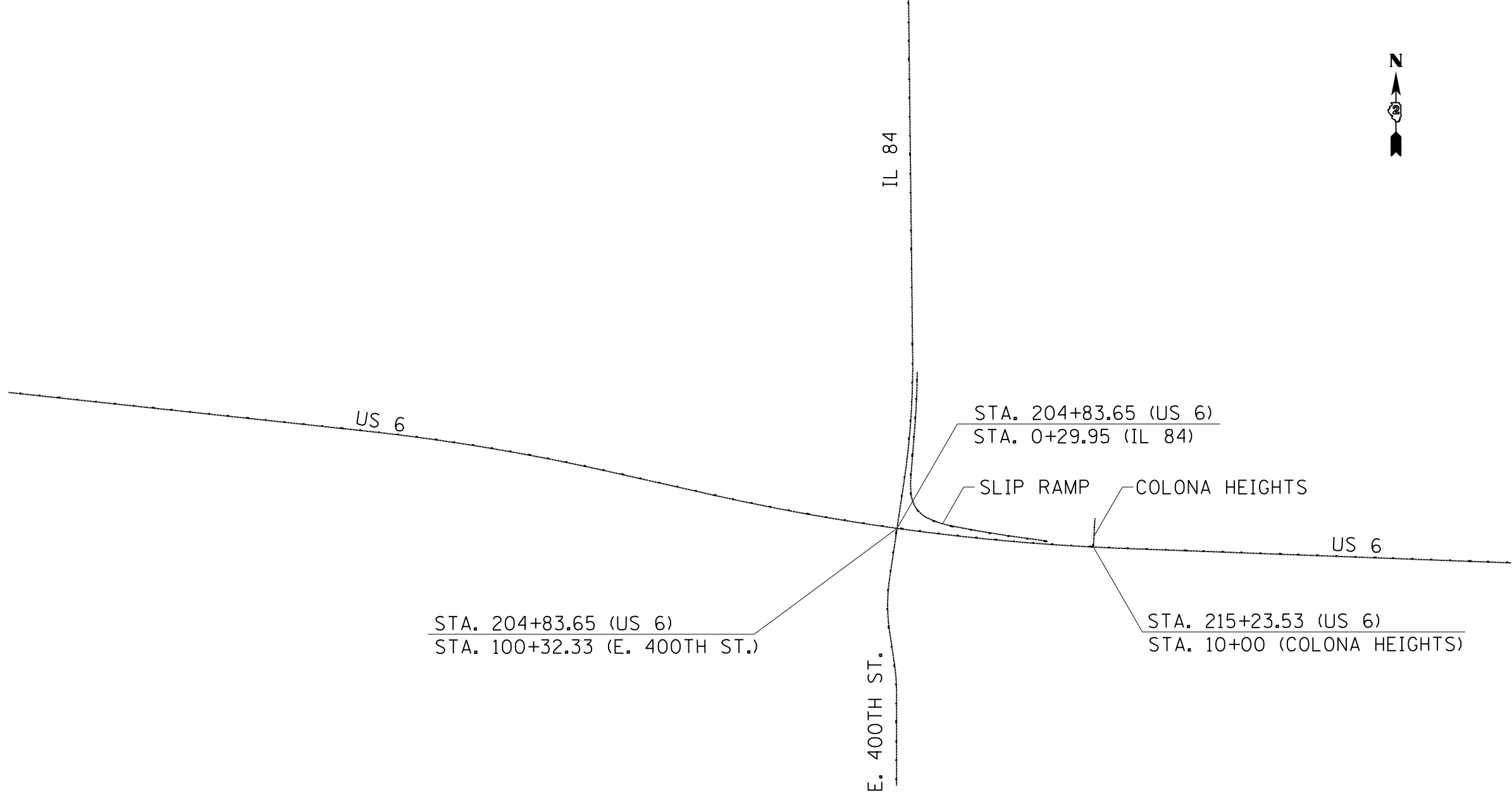
Point 70002 N 1,744,929.4174 E 2,244,254.3947 Sta 1014+31.94

=====

Ending chain SLIPRAMP description

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	EXISTING HORIZONTAL & VERTICAL CONTROL SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p\dot\cushmenbw\d0333009\0201709-sh1-ATB.dgn	DRAWN -	REVISED -	*			2R-1	HENRY	235	27		
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -			CONTRACT NO. 64J43		ILLINOIS FED. AID PROJECT			
	PLOT DATE = Fri Aug 01 11:25:17 2014	DATE -	REVISED -			SCALE:	SHEET	OF	SHEETS	STA.	TO

PROPOSED HORIZONTAL & VERTICAL CONTROL



FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
c:\pwork\work\pwork\cushmenbw\0333009\0201709-sh1-ATB.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 11:25:35 2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PROPOSED HORIZONTAL & VERTICAL
CONTROL SHEETS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	28
CONTRACT NO. 64J43				
ILLINOIS FED. AID PROJECT				

* 5789 & 5861

PROPOSED HORIZONTAL & VERTICAL CONTROL

Chain PUS_6 contains:
G65 CUR G200 CUR 70260 G49

Beginning chain PUS_6 description
=====

Point G65 N 1,744,871.6634 E 2,239,475.4060 Sta 157+41.34

Course from G65 to PC G200 96° 10' 13.56" Dist 1,886.6955'

Curve Data

Curve G200

P.I. Station 182+80.10 N 1,744,598.7811 E 2,241,999.4606
Delta = 6° 31' 31.34" (RT)
Degree = 0° 30' 03.25"
Tangent = 652.0672'
Length = 1,302.7245'
Radius = 11,438.5205'
External = 18.5709'
Long Chord = 1,302.0206'
Mid. Ord. = 18.5408'
P.C. Station 176+28.03 N 1,744,668.8694 E 2,241,351.1710
P.T. Station 189+30.76 N 1,744,455.4731 E 2,242,635.5852
C.C. N 1,733,296.6173 E 2,240,121.6863

Course from PT G200 to PC 70260 102° 41' 44.91" Dist 552.4413'

Curve Data

Curve 70260

P.I. Station 205+91.27 N 1,744,090.5332 E 2,244,255.5040
Delta = 10° 33' 05.13" (LT)
Degree = 0° 28' 38.87"
Tangent = 1,108.0761'
Length = 2,209.8855'
Radius = 12,000.0000'
External = 51.0511'
Long Chord = 2,206.7641'
Mid. Ord. = 50.8348'
P.C. Station 194+83.20 N 1,744,334.0604 E 2,243,174.5197
P.T. Station 216+93.08 N 1,744,049.0714 E 2,245,362.8041
C.C. N 1,756,040.6679 E 2,245,811.8176

Course from PT 70260 to G49 92° 08' 39.77" Dist 2,033.6194'

Point G49 N 1,743,972.9779 E 2,247,394.9994 Sta 237+26.70

Ending chain PUS_6 description
=====

Chain PIL_84 contains:
70240 CUR 70250 G56

Beginning chain PIL_84 description
=====

Point 70240 N 1,744,155.1019 E 2,244,158.5421 Sta 0+29.95

Course from 70240 to PC 70250 8° 28' 19.49" Dist 249.1069'

Curve Data

Curve 70250

P.I. Station 6+14.40 N 1,744,733.1720 E 2,244,244.6473
Delta = 9° 07' 47.90" (LT)
Degree = 1° 21' 51.07"
Tangent = 335.3408'
Length = 669.2619'
Radius = 4,200.0000'
External = 13.3660'
Long Chord = 668.5540'
Mid. Ord. = 13.3236'
P.C. Station 2+79.06 N 1,744,401.4905 E 2,244,195.2424
P.T. Station 9+48.32 N 1,745,068.4907 E 2,244,240.7969
C.C. N 1,745,020.2659 E 2,240,041.0738

Course from PT 70250 to G56 359° 20' 31.60" Dist 3,673.6698'

Point G56 N 1,748,741.9184 E 2,244,198.6155 Sta 46+21.99

Ending chain PIL_84 description
=====

Chain P_400THSTR contains:
G64 CUR 70210 CUR 70220 70230

Beginning chain P_400THSTR description
=====

Point G64 N 1,742,797.9824 E 2,244,156.1757 Sta 86+68.88

Course from G64 to PC 70210 359° 57' 11.95" Dist 489.5734'

Curve Data

Curve 70210

P.I. Station 92+36.35 N 1,743,365.4510 E 2,244,155.7134
Delta = 8° 21' 59.27" (LT)
Degree = 5° 22' 47.59"
Tangent = 77.8954'
Length = 155.5138'
Radius = 1,065.0000'
External = 2.8449'
Long Chord = 155.3757'
Mid. Ord. = 2.8373'
P.C. Station 91+58.45 N 1,743,287.5557 E 2,244,155.7768
P.T. Station 93+13.97 N 1,743,442.5081 E 2,244,144.3165
C.C. N 1,743,286.6880 E 2,243,090.7772

Course from PT 70210 to PC 70220 351° 35' 12.68" Dist 172.0000'

Curve Data

Curve 70220

P.I. Station 96+26.97 N 1,743,752.1456 E 2,244,098.5206
Delta = 16° 53' 06.81" (RT)
Degree = 6° 01' 52.08"
Tangent = 141.0058'
Length = 279.9677'
Radius = 950.0000'
External = 10.4075'
Long Chord = 278.9556'
Mid. Ord. = 10.2948'
P.C. Station 94+85.97 N 1,743,612.6572 E 2,244,119.1512
P.T. Station 97+65.93 N 1,743,891.6127 E 2,244,119.2947
C.C. N 1,743,751.6516 E 2,245,058.9280

Course from PT 70220 to 70230 8° 28' 19.49" Dist 266.3961'

Point 70230 N 1,744,155.1019 E 2,244,158.5421 Sta 100+32.33

Ending chain P_400THSTR description
=====

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HORIZONTAL & VERTICAL CONTROL SHEETS			F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
ct:\pw_work\pwork\cushmenbw\d0333009\0201709-sh1-ATB.dgn	DRAWN -	REVISED -	*					2R-1	HENRY	235	29	
Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -		CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT				
	PLOT DATE = Fri Aug 01 11:25:50 2014	DATE -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	

PROPOSED HORIZONTAL & VERTICAL CONTROL

Chain SLIPRAMP1 contains:
72201 CUR 72210 CUR 72220 CUR 72230 CUR 72240 CUR 72250

Beginning chain SLIPRAMP1 description
=====

Point 72201 N 1,744,087.7408 E 2,244,949.7761 Sta 1000+00.00

Course from 72201 to PC 72210 277° 52' 29.60" Dist 162.1400'

Curve Data

Curve 72210
P.I. Station 1003+40.26 N 1,744,134.3596 E 2,244,612.7269
Delta = 3° 34' 46.85" (RT)
Degree = 1° 00' 18.68"
Tangent = 178.1179'
Length = 356.1200'
Radius = 5,700.0000'
External = 2.7823'
Long Chord = 356.0621'
Mid. Ord. = 2.7809'
P.C. Station 1001+62.14 N 1,744,109.9556 E 2,244,789.1651
P.T. Station 1005+18.26 N 1,744,169.7322 E 2,244,438.1566
C.C. N 1,749,756.2024 E 2,245,570.1246

Curve Data

Curve 72220
P.I. Station 1005+81.25 N 1,744,182.2422 E 2,244,376.4178
Delta = 14° 21' 41.00" (RT)
Degree = 11° 27' 32.96"
Tangent = 62.9935'
Length = 125.3268'
Radius = 500.0000'
External = 3.9526'
Long Chord = 124.9989'
Mid. Ord. = 3.9216'
P.C. Station 1005+18.26 N 1,744,169.7322 E 2,244,438.1566
P.T. Station 1006+43.59 N 1,744,209.6747 E 2,244,319.7112
C.C. N 1,744,659.7735 E 2,244,537.4521

Curve Data

Curve 72230
P.I. Station 1007+28.73 N 1,744,246.7509 E 2,244,243.0699
Delta = 57° 33' 29.42" (RT)
Degree = 36° 57' 54.07"
Tangent = 85.1383'
Length = 155.7098'
Radius = 155.0000'
External = 21.8432'
Long Chord = 149.2445'
Mid. Ord. = 19.1452'
P.C. Station 1006+43.59 N 1,744,209.6747 E 2,244,319.7112
P.T. Station 1007+99.30 N 1,744,331.3206 E 2,244,233.2461
C.C. N 1,744,349.2053 E 2,244,387.2108

Curve Data

Curve 72240
P.I. Station 1008+48.09 N 1,744,379.7845 E 2,244,227.6165
Delta = 11° 08' 47.45" (RT)
Degree = 11° 27' 32.96"
Tangent = 48.7898'
Length = 97.2717'
Radius = 500.0000'
External = 2.3748'
Long Chord = 97.1184'
Mid. Ord. = 2.3636'
P.C. Station 1007+99.30 N 1,744,331.3206 E 2,244,233.2461
P.T. Station 1008+96.57 N 1,744,428.4225 E 2,244,231.4620
C.C. N 1,744,389.0134 E 2,244,729.9065

Course from PT 72240 to PC 72250 4° 31' 14.32" Dist 259.7229'

Curve Data

Curve 72250
P.I. Station 1013+02.85 N 1,744,833.4449 E 2,244,263.4848
Delta = 3° 58' 28.12" (LT)
Degree = 1° 21' 23.16"
Tangent = 146.5634'
Length = 293.0093'
Radius = 4,224.0000'
External = 2.5419'
Long Chord = 292.9506'
Mid. Ord. = 2.5404'
P.C. Station 1011+56.29 N 1,744,687.3375 E 2,244,251.9329
P.T. Station 1014+49.30 N 1,744,980.0017 E 2,244,264.8819
C.C. N 1,745,020.2659 E 2,240,041.0738

Ending chain SLIPRAMP1 description

Chain COLONAHEIGHTS contains:
60000 60001

Beginning chain COLONAHEIGHTS description
=====

Point 60000 N 1,744,056.6127 E 2,245,193.4156 Sta 10+00.00

Course from 60000 to 60001 2° 57' 14.26" Dist 150.0000'

Point 60001 N 1,744,206.4134 E 2,245,201.1456 Sta 11+50.00

Ending chain COLONAHEIGHTS description
=====

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED HORIZONTAL & VERTICAL CONTROL SHEETS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ct:\pw\work\p1dot\cushmenbw\d0333009\0201709-sh1-ATB.dgn	DRAWN -	REVISIED -	REVISIED -			*	2R-1	HENRY	235	30	
Default	PLOT SCALE = 100.0000' / in.	CHECKED -	REVISIED -			CONTRACT NO. 64J43					
	PLOT DATE = Fri Aug 01 11:26:02 2014	DATE -	REVISIED -			ILLINOIS FED. AID PROJECT					

HORIZONTAL & VERTICAL CONTROL

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
1	1744070.1166	2245414.9507	593.1042	US_6	217+47.69	22.9816' LT	GPS CONTROL POINT, GPS CONTROL POINT
2	1744068.1842	2244399.2483	643.1273	US_6	207+34.47	29.7619' RT	GPS CONTROL POINT, GPS CONTROL POINT
3	1744091.7570	2244068.5298	651.9694	US_6	204+05.80	50.2423' RT	GPS CONTROL POINT, GPS CONTROL POINT
4	1744295.6402	2243439.5872	638.7648	US_6	197+50.23	20.7743' LT	GPS CONTROL POINT, GPS CONTROL POINT
5	1745575.4287	2244209.9738	585.7493	IL_84	14+55.58	25.0004' LT	GPS CONTROL POINT, GPS CONTROL POINT
6	1744594.5162	2244277.6682	639.9518	IL_84	4+76.18	34.3745' RT	GPS CONTROL POINT, GPS CONTROL POINT
7	1743847.5643	2244131.4847	663.9574	E_400THSTR	97+18.48	23.8359' LT	GPS CONTROL POINT, GPS CONTROL POINT
8	1744226.3720	2244134.8975	645.0578	IL_84	0+90.37	42.2375' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
9	1744359.5455	2244335.2024	641.9015	IL_84	2+64.13	123.9318' RT	TOPO SURVEY POINT, TOPO SURVEY POINT
10	1744809.0366	2244293.4562	628.7978	IL_84	6+88.28	49.6767' RT	TOPO SURVEY POINT, TOPO SURVEY POINT
11	1744340.0021	2244429.3536	632.3330	IL_84	2+65.40	220.0792' RT	TOPO SURVEY POINT, TOPO SURVEY POINT
12	1744013.2056	2244771.7093	640.1076	US_6	211+07.12	57.9655' RT	TOPO SURVEY POINT, TOPO SURVEY POINT
13	1744018.8409	2245609.1377	588.6170	US_6	219+43.66	20.9921' RT	TOPO SURVEY POINT, TOPO SURVEY POINT
14	1744162.3782	2245186.5882	603.6128	US_6	215+16.03	106.6338' LT	TOPO SURVEY POINT, NAIL
15	1743984.6650	2245304.5927	597.6428	US_6	216+40.60	66.5395' RT	TOPO SURVEY POINT, NAIL
16	1744061.4391	2245630.7761	587.8964	US_6	219+63.69	22.3859' LT	TOPO SURVEY POINT, NAIL
17	1744260.5556	2243890.5180	647.0376	US_6	201+99.86	84.0445' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
18	1744224.5376	2243759.9079	642.8286	US_6	200+78.40	21.7887' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
19	1744164.6820	2244815.4927	628.8142	US_6	211+45.11	95.0504' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
20	1744293.5972	2243619.4024	641.0945	US_6	199+26.10	58.3001' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
21	1744271.6083	2243219.6886	640.7208	US_6	195+40.99	50.9982' RT	TOPO SURVEY POINT, NAIL
22	1744375.7851	2243098.4521	632.2919	US_6	193+99.82	23.9868' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
23	1744396.5653	2242799.4577	624.2416	US_6	191+03.57	21.4525' RT	TOPO SURVEY POINT, NAIL
24	1744481.3881	2242847.9515	622.9535	US_6	191+32.23	71.9542' LT	TOPO SURVEY POINT, NAIL
25	1743677.1602	2244175.1088	661.4485	E_400THSTR	95+48.04	19.6494' RT	TOPO SURVEY POINT, NAIL
26	1743465.8129	2244185.8102	675.6037	E_400THSTR	93+36.68	30.1786' RT	TOPO SURVEY POINT, NAIL
27	1745014.7605	2244266.0879	615.7864	IL_84	8+94.30	24.6724' RT	TOPO SURVEY POINT, NAIL
28	1745159.0161	2244200.1963	608.2823	IL_84	10+39.30	39.5585' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
29	1745256.9688	2244261.1322	602.2588	IL_84	11+36.55	22.4981' RT	TOPO SURVEY POINT, NAIL
30	1744826.8062	2239890.1405	636.9931	US_6	161+58.49	0.019' RT	POT
31	1744782.9008	2240298.2833	632.3932	US_6	165+68.99	0.1997' LT	POT
32	1744704.2511	2241023.9042	634.5037	US_6	172+98.86	0.0000'	POT
33	1744620.0051	2241739.2656	611.2031	US_6	180+19.21	0.1782' RT	POC
34	1744562.2811	2242102.7390	598.0208	US_6	183+87.26	0.0000'	POC, POC
35	1744516.1022	2242348.6664	601.8625	US_6	186+37.49	0.1516' RT	POC
36	1744442.0290	2242695.8376	619.1145	US_6	189+92.49	0.1266' LT	POC
37	1744407.0669	2242850.4538	626.2277	US_6	191+51.01	0.0000'	POT
38	1744329.7052	2243194.6618	636.6049	US_6	195+03.80	0.178' LT	POT
39	1744226.9283	2243650.0646	642.9492	US_6	199+70.66	0.0000'	POT
40	1744268.2303	2243466.1502	640.5033	US_6	197+82.17	0.1276' RT	POT
41	1744175.8151	2243886.1978	646.1321	US_6	202+12.27	0.0926' LT	POC
42	1744132.8741	2244130.1416	647.4990	US_6	204+59.99	0.0000'	POC
43	1744113.9873	2244155.1035	647.4022	US_6	204+87.45	14.9499' RT	POT
44	1744101.4555	2244371.3583	644.2875	US_6	207+03.27	0.343' LT	POC
45	1744071.8048	2244763.4156	629.7131	US_6	210+96.54	0.2557' LT	POC

HORIZONTAL CONTROL POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
46	1744060.4806	2245058.1047	613.4014	US_6	213+91.45	0.0000'	POT
47	1744029.9303	2245875.8181	589.3020	US_6	222+09.73	0.0681' LT	POT
48	1743989.4247	2246942.3850	602.8509	US_6	232+77.07	0.5005' RT	POT
49	1743972.9779	2247394.9994	622.5825	US_6	237+29.98	0.0000'	POT
50	1744047.1407	2245420.6832	594.6267	US_6	217+54.27	0.2363' LT	POT
51	1744592.4084	2244243.2953	638.9294	IL_84	4+72.18	0.1771' RT	POC
52	1744509.3909	2244235.5541	641.6734	IL_84	3+88.79	0.0000'	POC
53	1744987.6332	2244241.7254	618.5495	IL_84	8+67.45	0.0000'	POT
54	1746238.8415	2244227.2482	577.2569	IL_84	21+18.75	0.1098' LT	POT
55	1747604.0455	2244211.6445	581.9367	IL_84	34+84.04	0.037' LT	POT
56	1748741.9184	2244198.6155	582.9319	IL_84	46+21.99	0.0000'	POT
57	1745571.0717	2244234.5922	587.7234	IL_84	14+50.94	0.4336' LT	POT
58	1744458.2262	2244228.3651	642.9210	IL_84	3+37.12	0.1937' RT	POC
59	1744310.0694	2244197.0330	645.4418	IL_84	1+85.67	0.0000'	POT
60	1744238.7466	2244181.0936	646.1977	IL_84	1+12.59	0.1132' RT	POT
61	1744153.4101	2244161.7676	646.9462	IL_84	0+25.09	0.0000'	POT
62	1744216.3172	2244084.3828	645.7420	US_6	204+01.33	75.2436' LT	R.O.W. CORNER, R.O.W. CORNER
63	1743839.2752	2244154.4520	661.1220	E_400THSTR	97+10.17	0.8753' LT	POT
64	1742797.9824	2244156.1757	690.0762	E_400THSTR	86+68.88	0.0000'	POT
65	1744871.6634	2239475.4060	634.0743	US_6	157+41.34	0.0000'	POT
66	1745172.1002	2244163.2241	617.1731	IL_84	10+52.81	76.3781' LT	TOPO SURVEY POINT, NAIL
67	1744157.2633	2244934.0248	623.8108	US_6	212+63.84	92.0721' LT	TOPO SURVEY POINT, TOPO SURVEY POINT
68	1744131.4457	2245084.1371	598.9306	US_6	214+14.81	71.8895' LT	TOPO SURVEY POINT, TOPO SURVEY POINT

SURVEY WORK POINTS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
100	1742912.1185	2244178.1259	687.0615	E_400THSTR	87+83.00	22.0432' RT	TOPO SURVEY POINT, NAIL
101	1743139.9961	2244170.3242	683.3865	E_400THSTR	90+10.88	14.4271' RT	TOPO SURVEY POINT, NAIL
102	1744300.1466	2243647.7526	642.1648	US_6	199+52.31	70.92' LT	TOPO SURVEY POINT, NAIL
103	1744023.7694	2244610.4227	641.3298	US_6	209+47.09	55.9631' RT	TOPO SURVEY POINT, NAIL

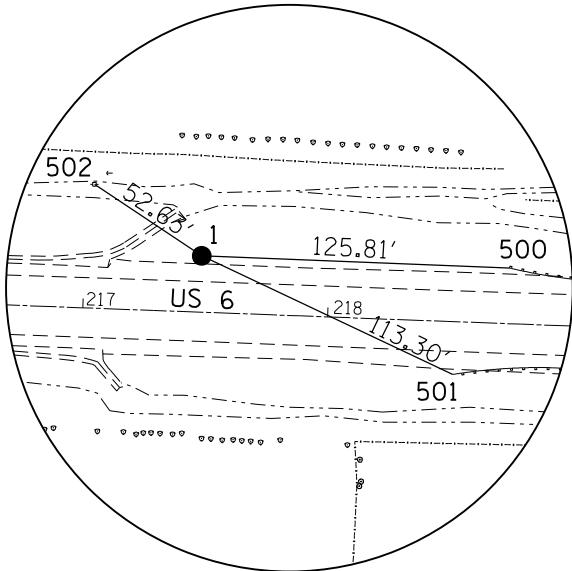
BENCH MARKS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
400	1747414.9613	2244192.5922	584.3730	IL_84	32+95.19	21.2592' LT	DISK, DISK
401	1744020.3608	2245637.4479	591.5522	US_6	219+71.89	18.414' RT	DISK, HANDRAIL
403	1744051.0926	2244119.7010	657.1652	US_6	204+62.04	82.4194' RT	BENCH TIE, BENCH TIE
404	1744297.8683	2243672.6509	643.0684	US_6	199+77.10	74.1695' LT	R.O.W. MARKER, R.O.W. MARKER
405	1745630.1854	2244180.8548	581.6627	IL_84	15+10.66	53.4887' LT	BENCH TIE, BENCH TIE
406	1744466.8984	2244152.6381	646.6165	IL_84	3+33.12	75.9295' LT	RAIL ROAD SPIKE, RAIL ROAD SPIKE

HORIZONTAL & VERTICAL CONTROL

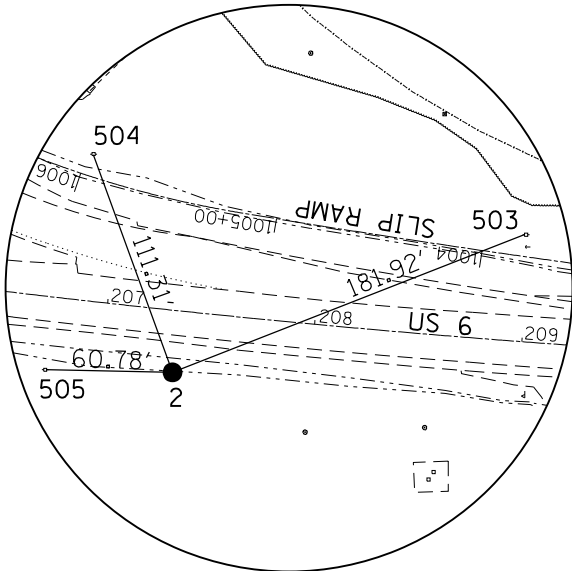
REFERENCE TIES						
POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
500	1744065.1377	2245540.6661	US_6	218+73.50	22.7102' LT	GUARDRAIL STEEL PLATE BEAM, END
501	1744021.7138	2245517.3844	US_6	218+51.86	21.5544' RT	GUARDRAIL STEEL PLATE BEAM, END
502	1744098.8005	2245371.3370	US_6	217+03.03	50.0135' LT	SHINER, POWER POLE
503	1744134.5355	2244568.6312	SLIPRAMP	1003+80.71	10.5833' RT	SHINER, POWER POLE
504	1744172.8037	2244361.2436	SLIPRAMP	1005+93.67	10.2969' RT	SHINER, POWER POLE
505	1744069.5753	2244338.4878	US_6	206+74.26	35.017' RT	SHINER, POWER POLE
506	1744076.8171	2244192.7783	US_6	205+29.84	46.3421' RT	SHINER, POWER POLE
507	1744051.3159	2244118.5426	E_400THSTR	99+22.24	36.6119' LT	SHINER, POWER POLE
508	1744064.1345	2244085.3025	E_400THSTR	99+35.09	69.8416' LT	SHINER, FENCE POST
509	1743881.2400	2244122.3001	E_400THSTR	97+52.16	32.993' LT	SHINER, POWER POLE
510	1744467.4269	2244152.3330	IL_84	3+33.62	76.3179' LT	SHINER, POWER POLE
511	1744553.0018	2244305.9053	IL_84	4+38.22	65.4531' RT	SHINER, FENCE POST
512	1744232.8347	2243317.2674	US_6	196+44.70	67.3785' RT	SHINER, POWER POLE
513	1744235.0505	2243503.5530	US_6	198+25.95	24.2759' RT	MAILBOX
514	1744298.5942	2243440.2859	US_6	197+50.26	23.8096' LT	SIGN
515	1744301.4488	2243440.2748	US_6	197+49.62	26.592' LT	SIGN
516	1744720.2029	2244189.0328	IL_84	6+00.65	55.7598' LT	SHINER, POWER POLE
517	1745580.2204	2244158.9140	IL_84	14+60.95	76.0018' LT	SHINER, FENCE POST
518	1745629.6214	2244180.3939	IL_84	15+10.10	53.9561' LT	SHINER, POWER POLE
519	1745622.6459	2244275.5909	IL_84	15+02.04	41.1545' RT	SHINER, POWER POLE

APPARENT PROPERTY CORNERS							
POINT	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
700	1744263.8761	2243850.5977	647.3791	US_6	201+59.51	79.3188' LT	PROPERTY CORNER, PROPERTY CORNER
701	1744304.1357	2243650.8897	643.0220	US_6	199+54.50	75.5011' LT	PROPERTY CORNER, PROPERTY CORNER
702	1744221.1096	2243334.3780	648.2138	US_6	196+63.97	75.0564' RT	PROPERTY CORNER, PROPERTY CORNER

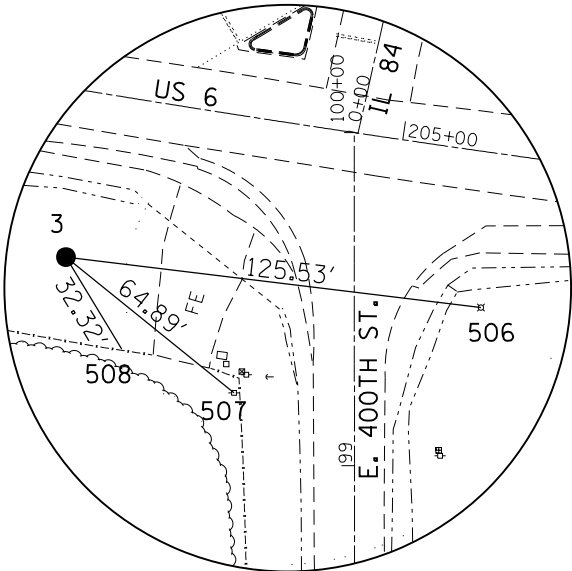
HORIZONTAL & VERTICAL CONTROL



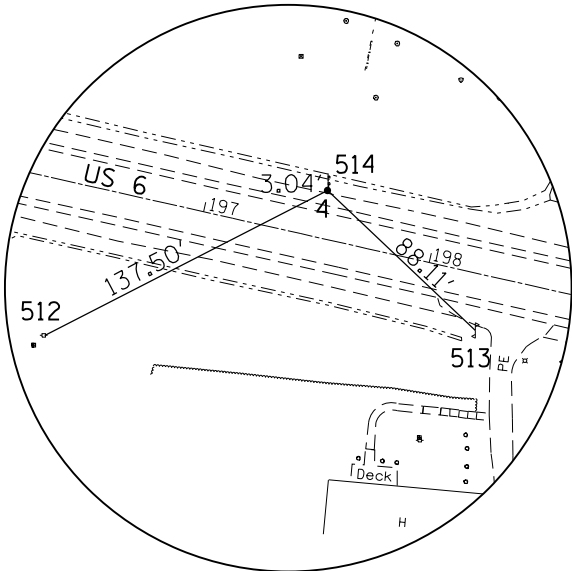
HORIZONTAL CONTROL
POINT NO. 1



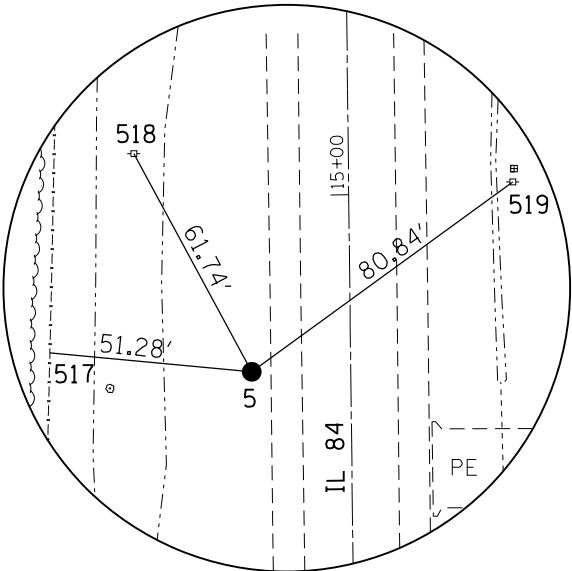
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POINT NO. 2



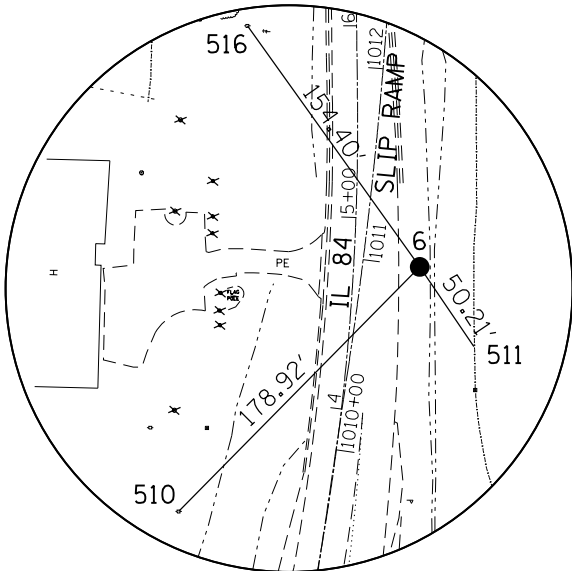
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POINT NO. 3



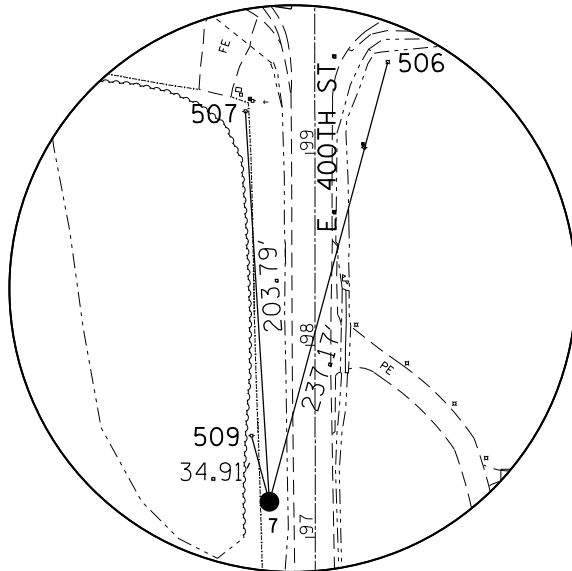
HORIZONTAL CONTROL
POINT NO. 4



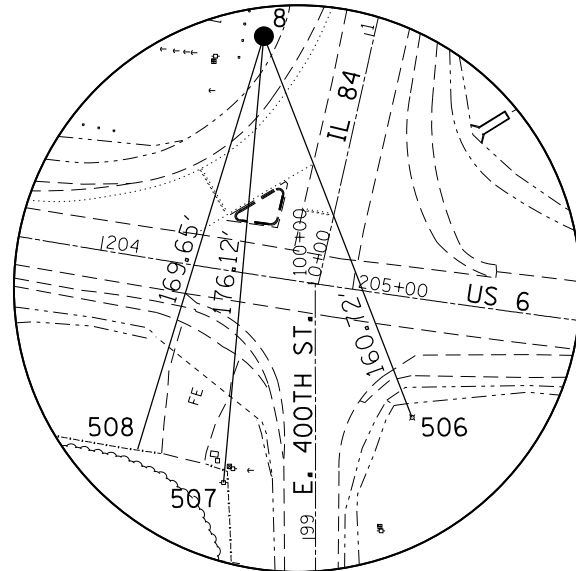
HORIZONTAL CONTROL
POINT NO. 5



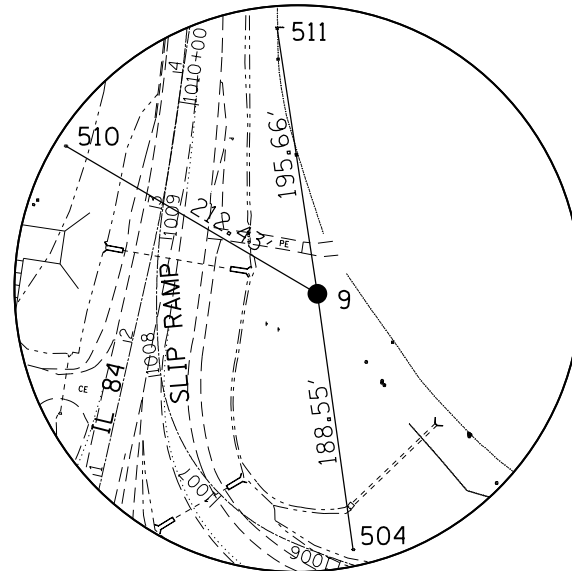
HORIZONTAL CONTROL
POINT NO. 6



HORIZONTAL CONTROL
POINT NO. 7



HORIZONTAL CONTROL
POINT NO. 8



HORIZONTAL CONTROL
POINT NO. 9

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
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Default	PLOT SCALE = 100.0000' / 1in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 11:26:45 2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**HORIZONTAL & VERTICAL
CONTROL SHEETS**

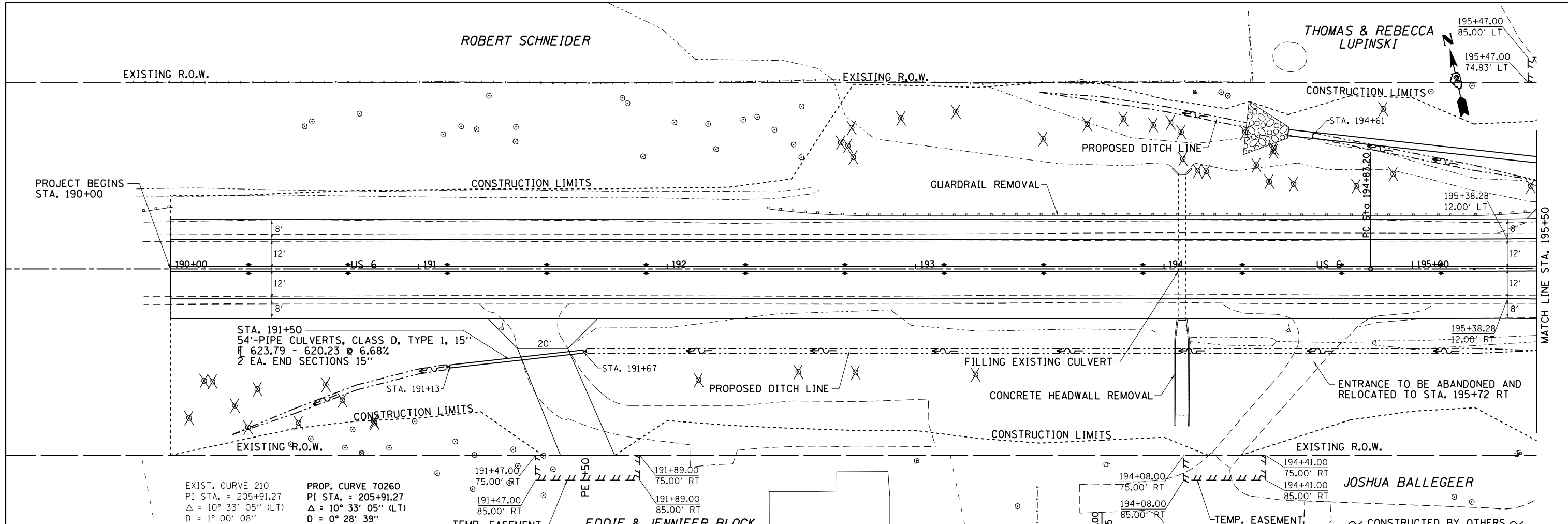
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	33
			CONTRACT NO. 64J43	
ILLINOIS FED. AID PROJECT				

* 5789 & 5861

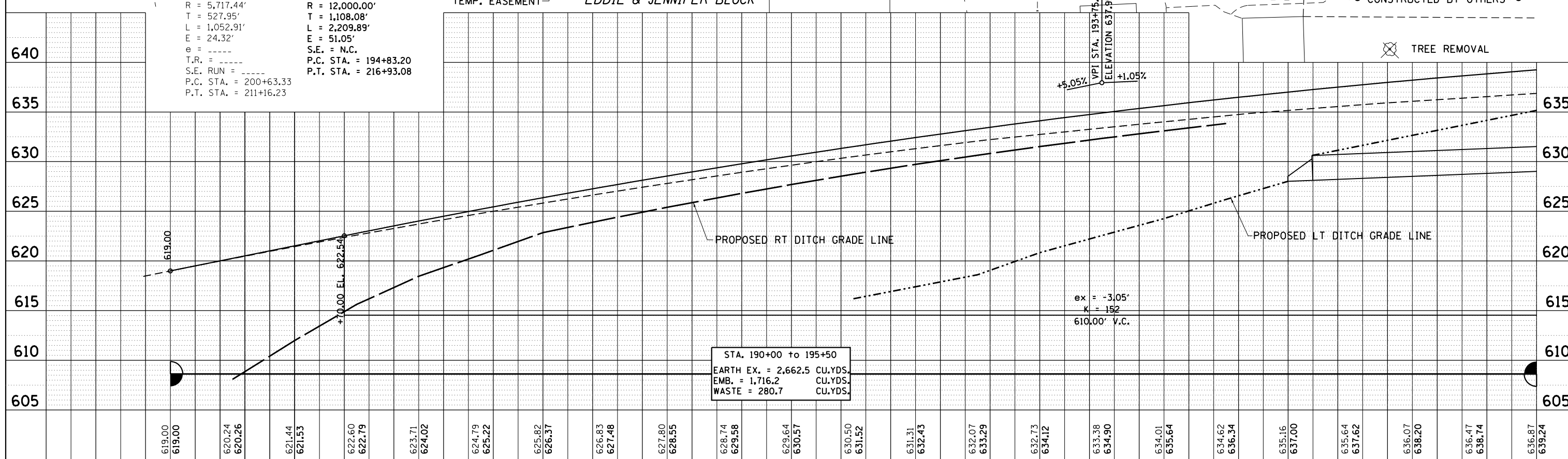
PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		
	NO.		



EXIST. CURVE 210
 PI STA. = 205+91.27
 $\Delta = 10^\circ 33' 05''$ (LT)
 $R = 1^\circ 00' 08''$
 $D = 5,717.44'$
 $T = 527.95'$
 $L = 1,052.91'$
 $E = 24.32'$
 $e =$
 $T.R. =$
 $S.E. RUN =$
 $P.C. STA. = 200+63.33$
 $P.T. STA. = 211+16.23$

PROP. CURVE 70260
 PI STA. = 205+91.27
 $\Delta = 10^\circ 33' 05''$ (LT)
 $R = 0^\circ 28' 39''$
 $D = 12,000.00'$
 $T = 1,108.08'$
 $L = 2,209.89'$
 $E = 51.05'$
 $S.E. = N.C.$
 $P.C. STA. = 194+83.20$
 $P.T. STA. = 216+93.08$



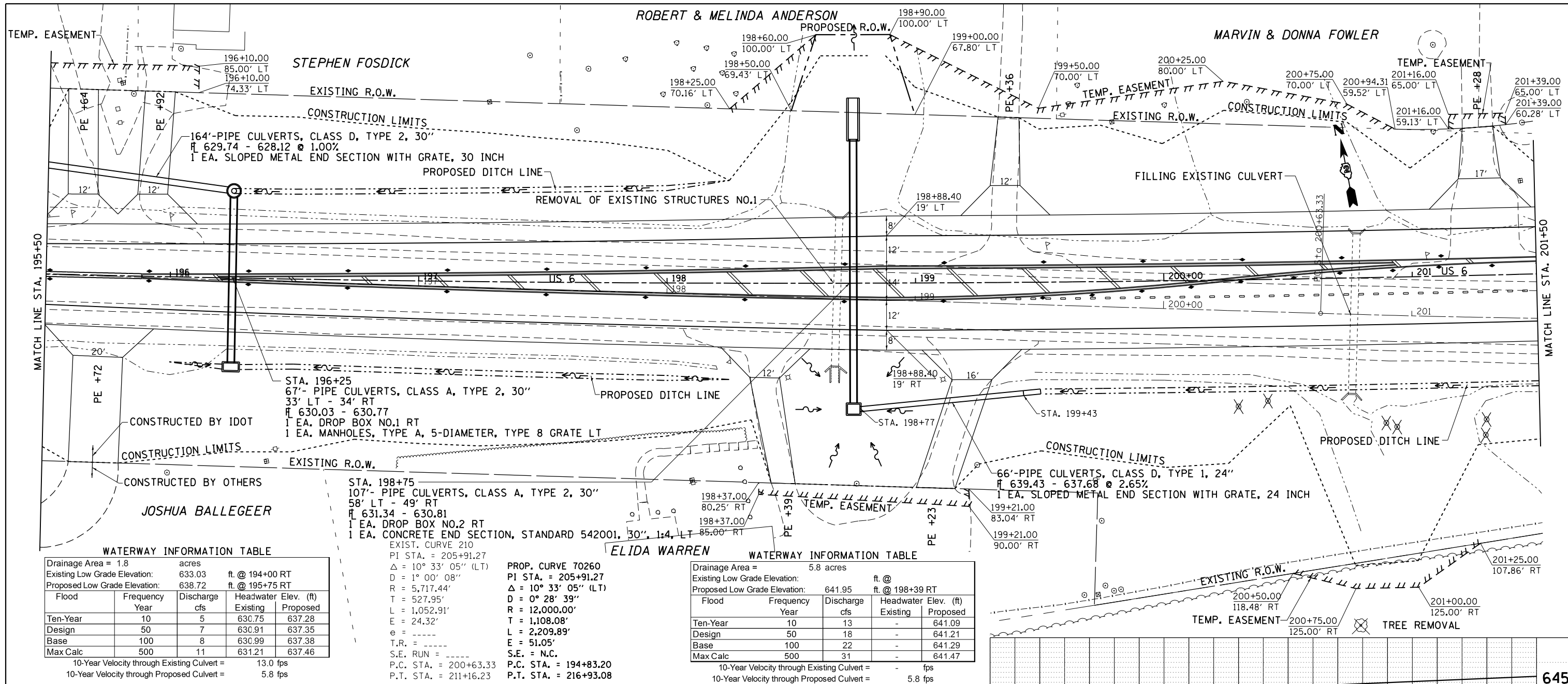
STA. 190+00 to 195+50
 EARTH EX. = 2,662.5 CU.YDS.
 EMB. = 1,716.2 CU.YDS.
 WASTE = 280.7 CU.YDS.

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 6 PLAN & PROFILE			F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.		
		DRAWN -	REVISED -		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.	ILLINOIS FED. AID PROJECT	235	34
		CHECKED -	REVISED -										CONTRACT NO.	64J43
		DATE -	REVISED -											

* 5789 & 5861

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NO.	



WATERWAY INFORMATION TABLE

Drainage Area = 1.8 acres
 Existing Low Grade Elevation: 633.03 ft. @ 194+00 RT
 Proposed Low Grade Elevation: 638.72 ft. @ 195+75 RT

Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft)	
			Existing	Proposed
Ten-Year	10	5	630.75	637.28
Design	50	7	630.91	637.35
Base	100	8	630.99	637.38
Max Calc	500	11	631.21	637.46

10-Year Velocity through Existing Culvert = 13.0 fps
 10-Year Velocity through Proposed Culvert = 5.8 fps

WATERWAY INFORMATION TABLE

Drainage Area = 5.8 acres
 Existing Low Grade Elevation: 641.95 ft. @ 198+39 RT
 Proposed Low Grade Elevation: 641.95 ft. @ 198+39 RT

Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft)	
			Existing	Proposed
Ten-Year	10	13	-	641.09
Design	50	18	-	641.21
Base	100	22	-	641.29
Max Calc	500	31	-	641.47

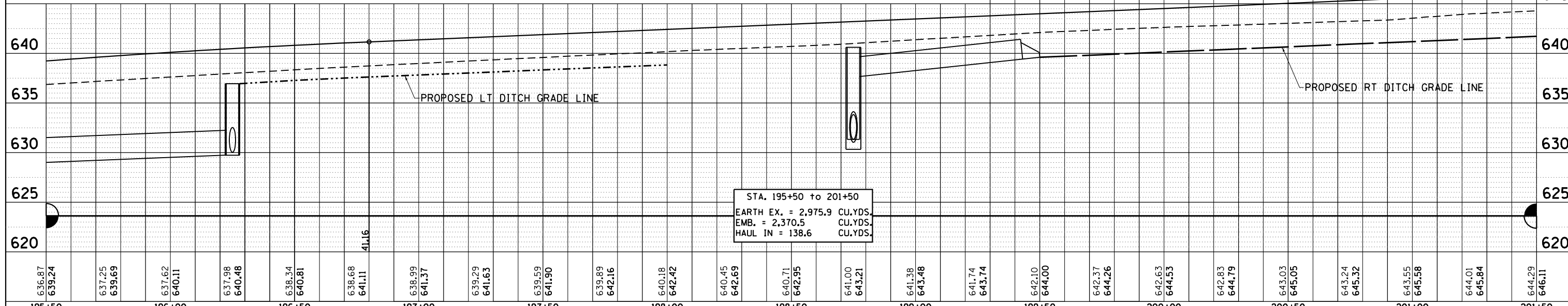
10-Year Velocity through Existing Culvert = - fps
 10-Year Velocity through Proposed Culvert = 5.8 fps

WATERWAY INFORMATION TABLE

Drainage Area = 5.8 acres
 Existing Low Grade Elevation: 641.95 ft. @ 198+39 RT
 Proposed Low Grade Elevation: 641.95 ft. @ 198+39 RT

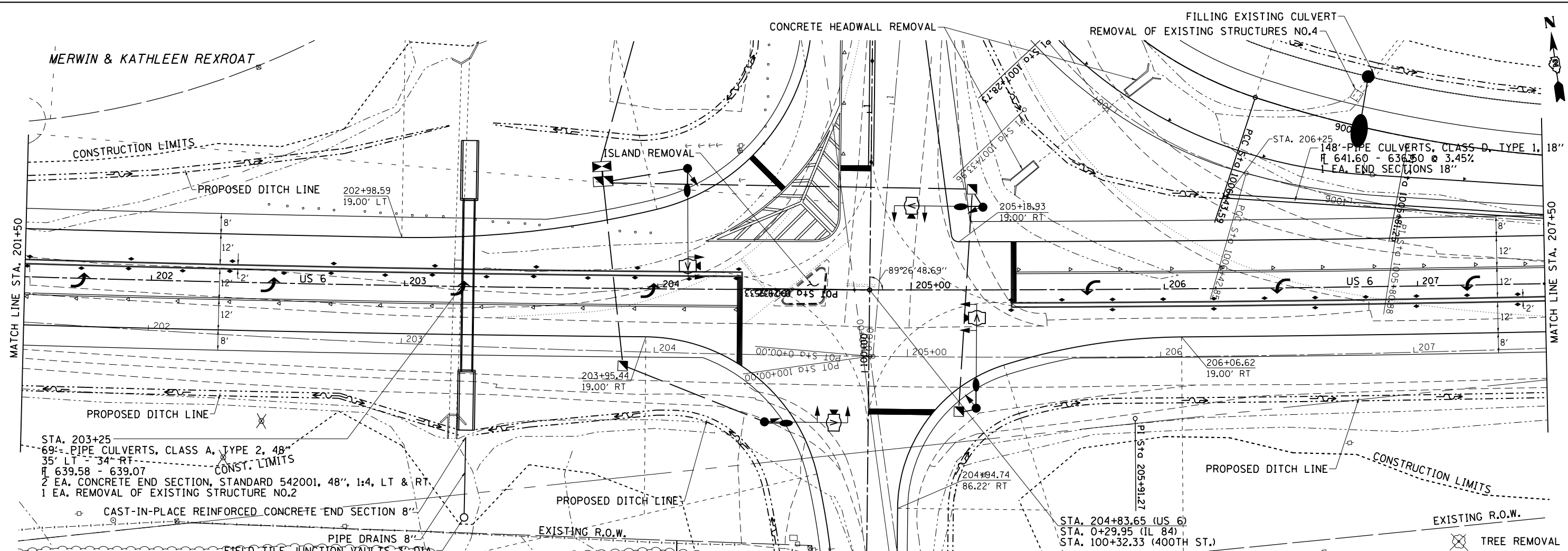
Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft)	
			Existing	Proposed
Ten-Year	10	13	-	641.09
Design	50	18	-	641.21
Base	100	22	-	641.29
Max Calc	500	31	-	641.47

10-Year Velocity through Existing Culvert = - fps
 10-Year Velocity through Proposed Culvert = 5.8 fps



DATE	
BY	
PLAN	SURVEYED
	PLOTTED
	ALIGNED
	CHECKED
	DESIGNED
	NO. _____
	FILE NAME

DATE	
BY	
PROFILE	SURVEYED
	PLOTTED
	GRADES CHECKED
	STRUCTURE NOTATIONS OK'D
	NO. _____
	FILE NAME



WATERWAY INFORMATION TABLE

Drainage Area = 7.9 acres

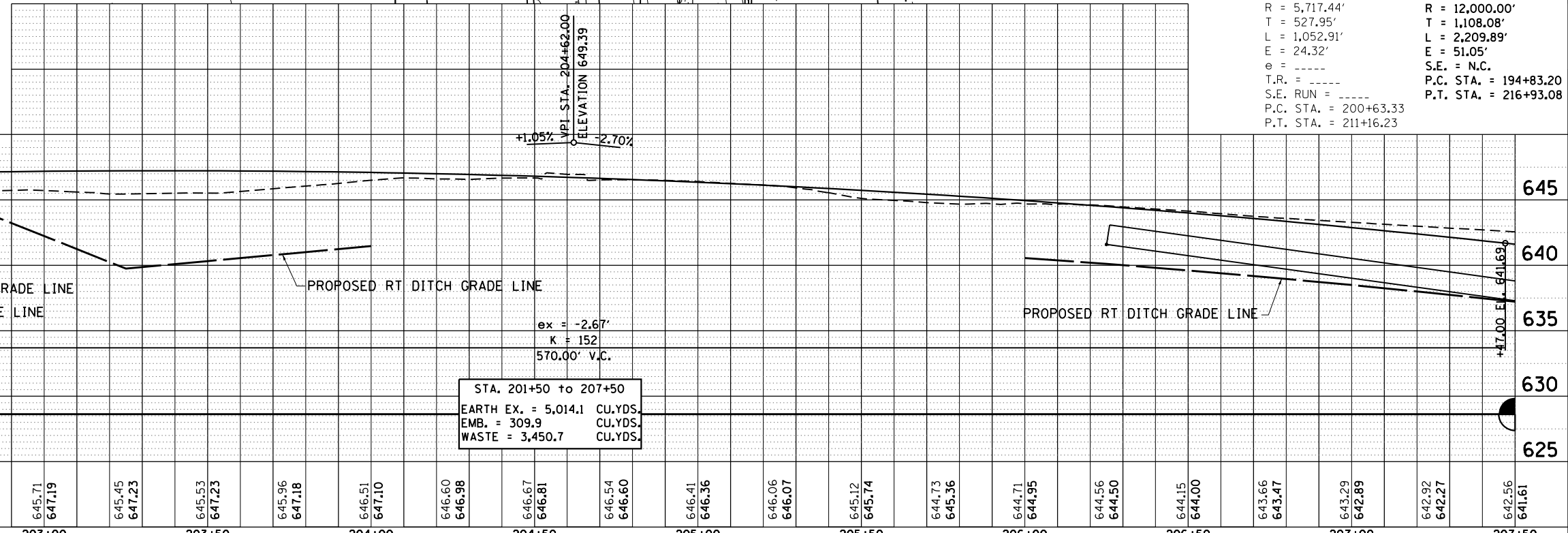
Existing Low Grade Elevation: 645.75 ft @ 202+75RT

Proposed Low Grade Elevation: 644.71 ft @ 202+75 RT

Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	16	641.56	641.18
Design	50	23	641.99	641.52
Base	100	27	642.22	641.73
Max Calc	500	40	642.95	642.32

10-Year Velocity through Existing Culvert = 11.3 fps

10-Year Velocity through Proposed Culvert = 6.6 fps



STA. 201+50 to 207+50
 EARTH EX. = 5,014.1 CU.YDS.
 EMB. = 309.9 CU.YDS.
 WASTE = 3,450.7 CU.YDS.

EXIST. CURVE 210 PI STA. = 205+91.27 Δ = 10° 33' 05" (LT) D = 1° 00' 08" R = 5,717.44' T = 527.95' L = 1,052.91' e = ----- T.R. = ----- S.E. RUN = ----- P.C. STA. = 200+63.33 P.T. STA. = 211+16.23	PROP. CURVE 70260 PI STA. = 205+91.27 Δ = 10° 33' 05" (LT) D = 0° 28' 39" R = 12,000.00' T = 1,108.08' L = 2,209.89' e = 51.05' S.E. = N.C. P.C. STA. = 194+83.20 P.T. STA. = 216+93.08
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FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
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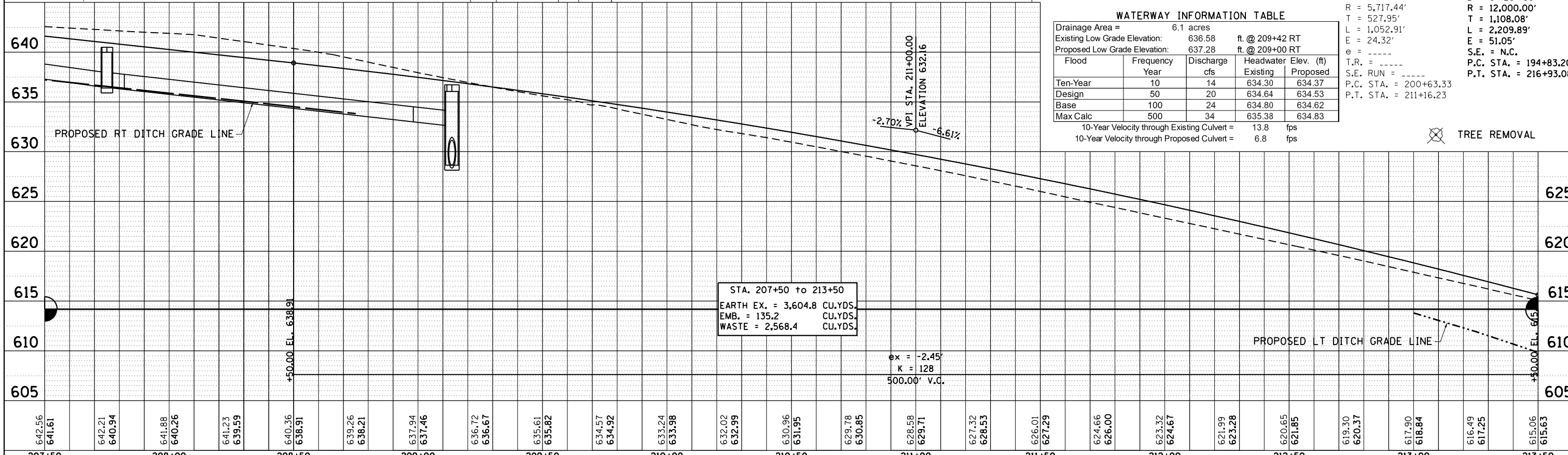
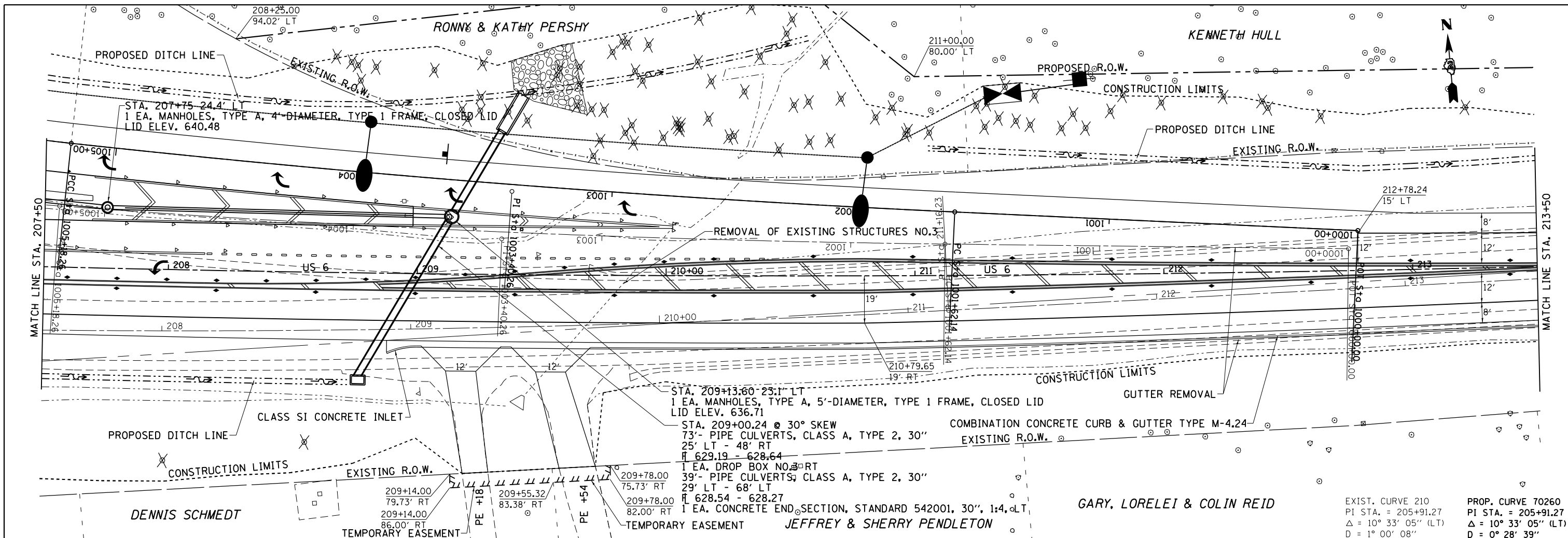
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

US 6
 PLAN & PROFILE

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	36
CONTRACT NO.			64J43	

PLAN	SURVEYED	DATE
	PLOTTED	BY
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



WATERWAY INFORMATION TABLE

Drainage Area = 6.1 acres
 Existing Low Grade Elevation: 636.58 ft. @ 209+42 RT
 Proposed Low Grade Elevation: 637.28 ft. @ 209+00 RT

Flood Year	Frequency	Discharge cfs	Headwater Elev. (ft) Existing	Proposed
Ten-Year	10	14	634.30	634.37
Design	50	20	634.64	634.53
Base	100	24	634.80	634.62
Max Calc	500	34	635.38	634.83

10-Year Velocity through Existing Culvert = 13.8 fps
 10-Year Velocity through Proposed Culvert = 6.8 fps

EXIST. CURVE 210 PI STA. = 205+91.27 Δ = 10° 33' 05" (LT) D = 1° 00' 08" R = 5,717.44' T = 527.95' L = 1,052.91' E = 24.32'	PROP. CURVE 70260 PI STA. = 205+91.27 Δ = 10° 33' 05" (LT) D = 0° 28' 39" R = 12,000.00' T = 1,108.08' L = 2,209.89' E = 51.05'
T.R. = ----- S.E. RUN = ----- P.C. STA. = 200+63.33 P.T. STA. = 211+16.23	P.C. STA. = 194+83.20 P.T. STA. = 216+93.08

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

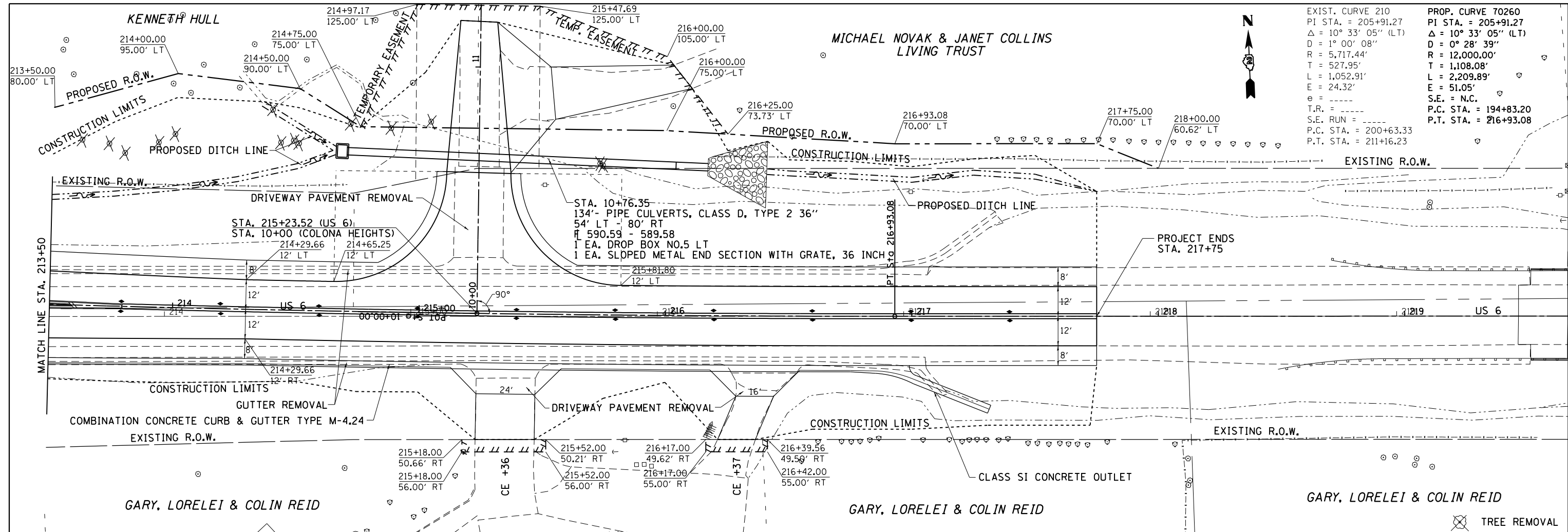
**US 6
PLAN & PROFILE**

SCALE: SHEET OF SHEETS STA. TO STA.

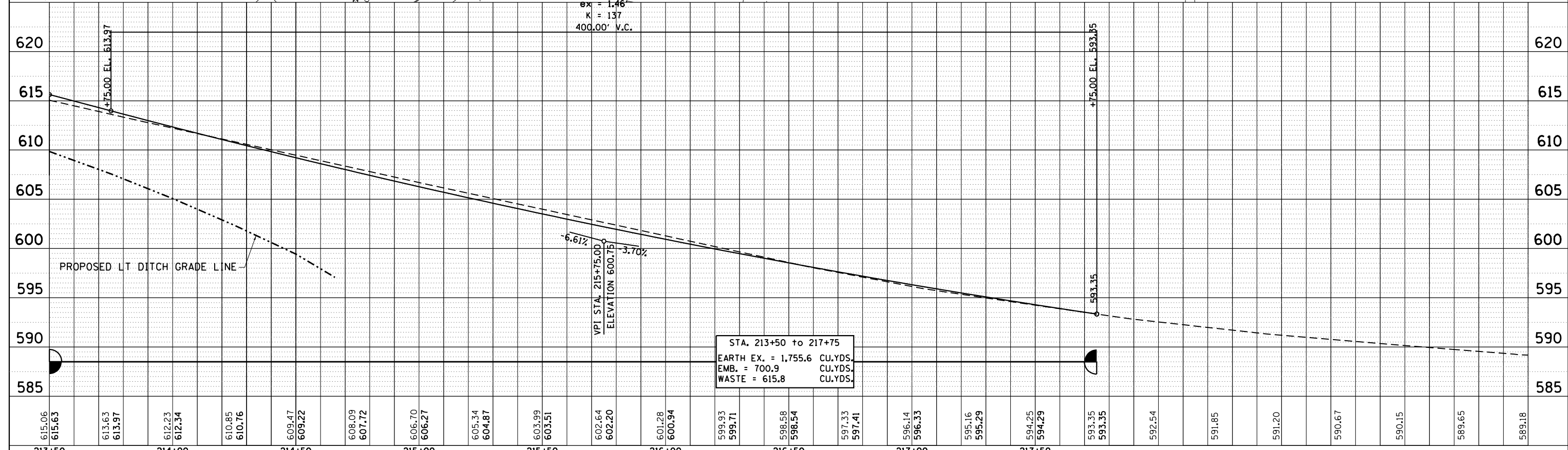
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	37
CONTRACT NO. 64J43				

PLAN	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	

PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES CHECKED	
	STRUCTURE NOTATIONS CHECKED	
	NOTE BOOK NO.	
	CARD FILE NAME	



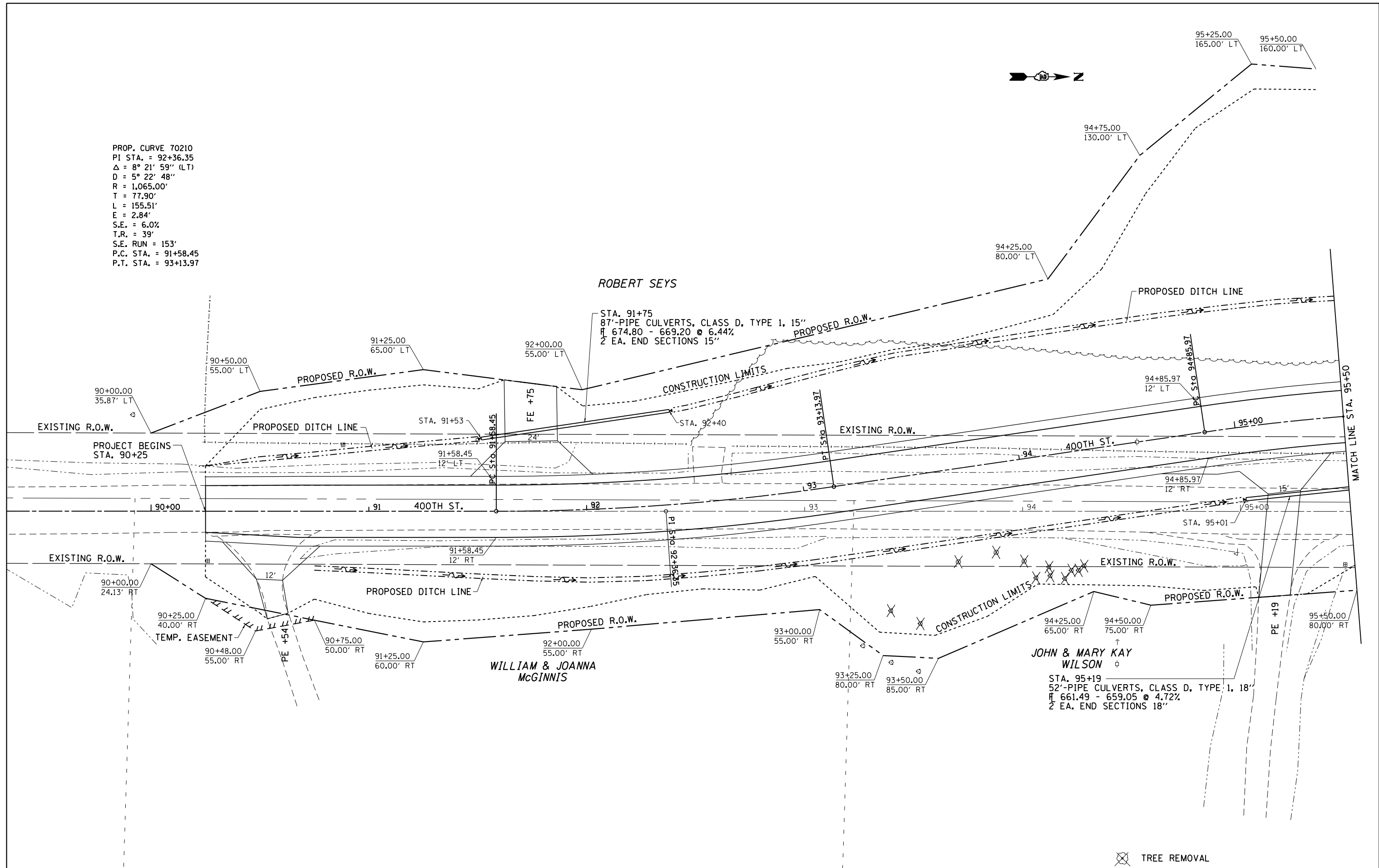
EXIST. CURVE 210	PROP. CURVE 70260
PI STA. = 205+91.27	PI STA. = 205+91.27
$\Delta = 10^\circ 33' 05''$ (LT)	$\Delta = 10^\circ 33' 05''$ (LT)
D = 1° 00' 08"	D = 0° 28' 39"
R = 5,717.44'	R = 12,000.00'
T = 527.95'	T = 1,108.08'
L = 1,052.91'	L = 2,209.89'
E = 24.32'	E = 51.05'
e =	e = N.C.
T.R. =	P.C. STA. = 194+83.20
S.E. RUN =	P.T. STA. = 216+93.08
P.C. STA. = 200+63.33	
P.T. STA. = 211+16.23	



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	US 6 PLAN & PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default	PLOT SCALE = 40.0000' / in.	DRAWN -	REVISED -			*	2R-1	HENRY	235	38	
	PLOT DATE = Fri Aug 01 11:17:03 2014	CHECKED -	REVISED -			CONTRACT NO. 64J43					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

*5789 & 5861

PROP. CURVE 70210
 PI STA. = 92+36.35
 $\Delta = 8^\circ 21' 59''$ (LT)
 $D = 5^\circ 22' 48''$
 $R = 1,065.00'$
 $T = 77.90'$
 $L = 155.51'$
 $E = 2.84'$
 $S.E. = 6.0\%$
 $T.R. = 39'$
 $S.E. RUN = 153'$
 $P.C. STA. = 91+58.45$
 $P.T. STA. = 93+13.97$



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

**400TH ST.
 PLAN**

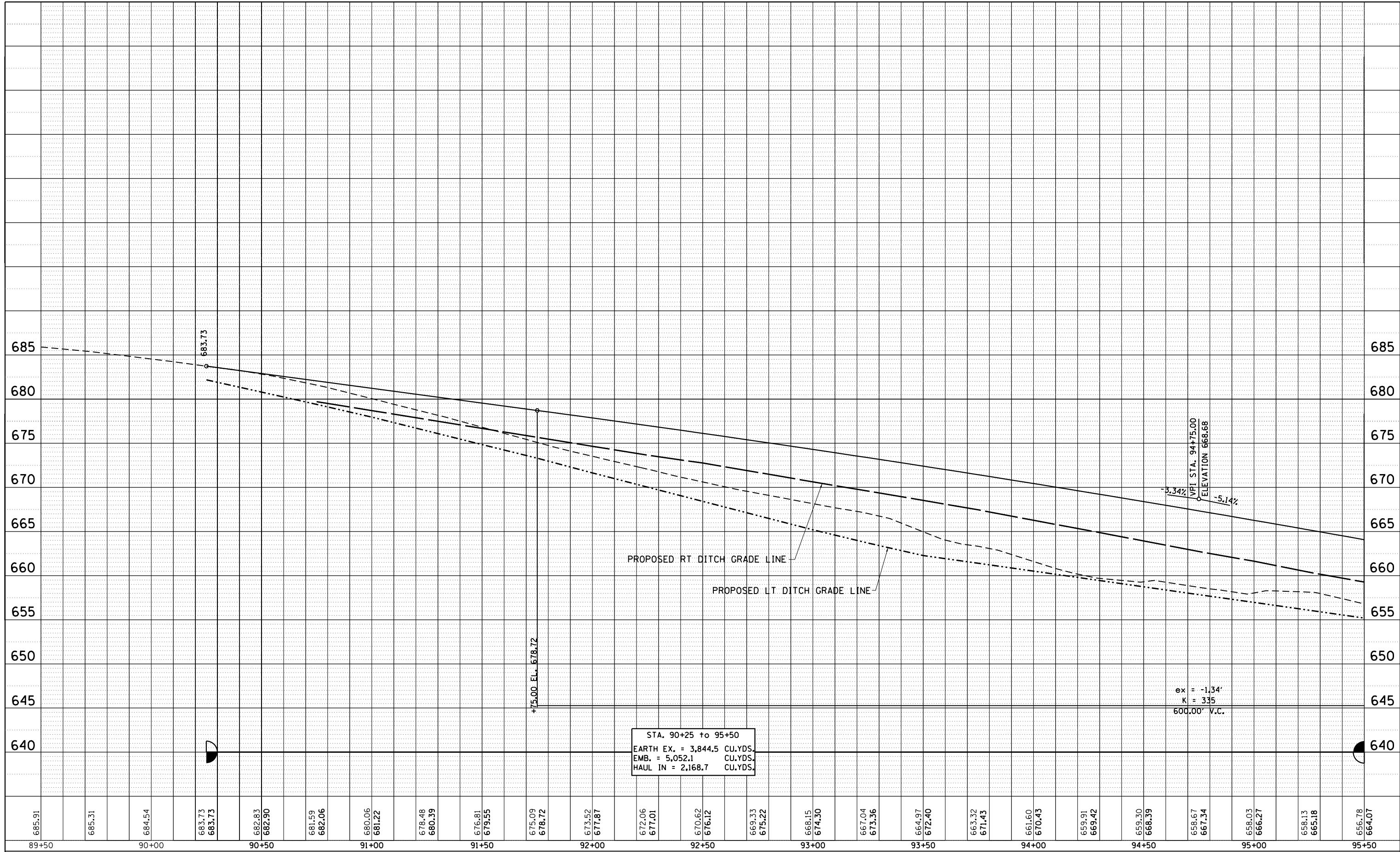
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	39
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

* 5789 & 5861

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
NOTE BOOK NO.			



STA. 90+25 to 95+50
 EARTH EX. = 3,844.5 CU.YDS.
 EMB. = 5,052.1 CU.YDS.
 HAUL IN = 2,168.7 CU.YDS.

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

400TH ST.
 PROFILE

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
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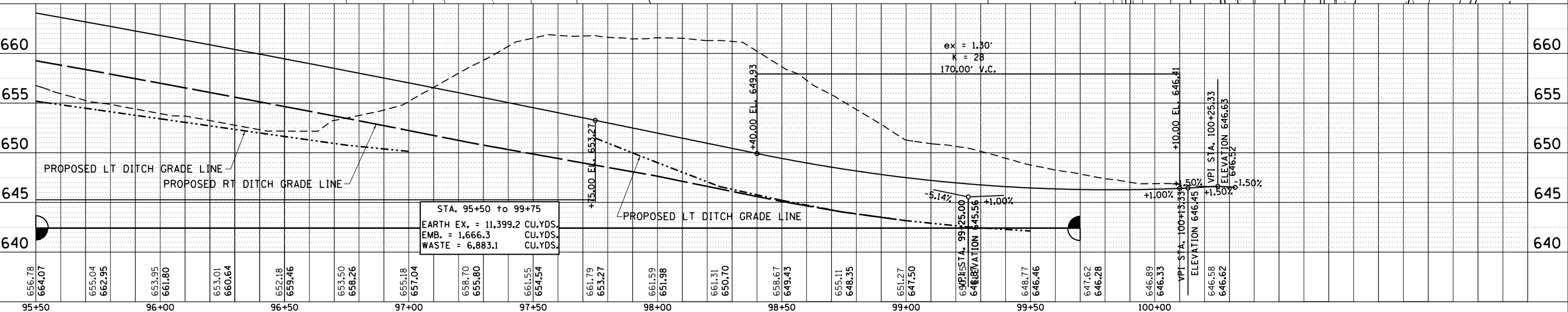
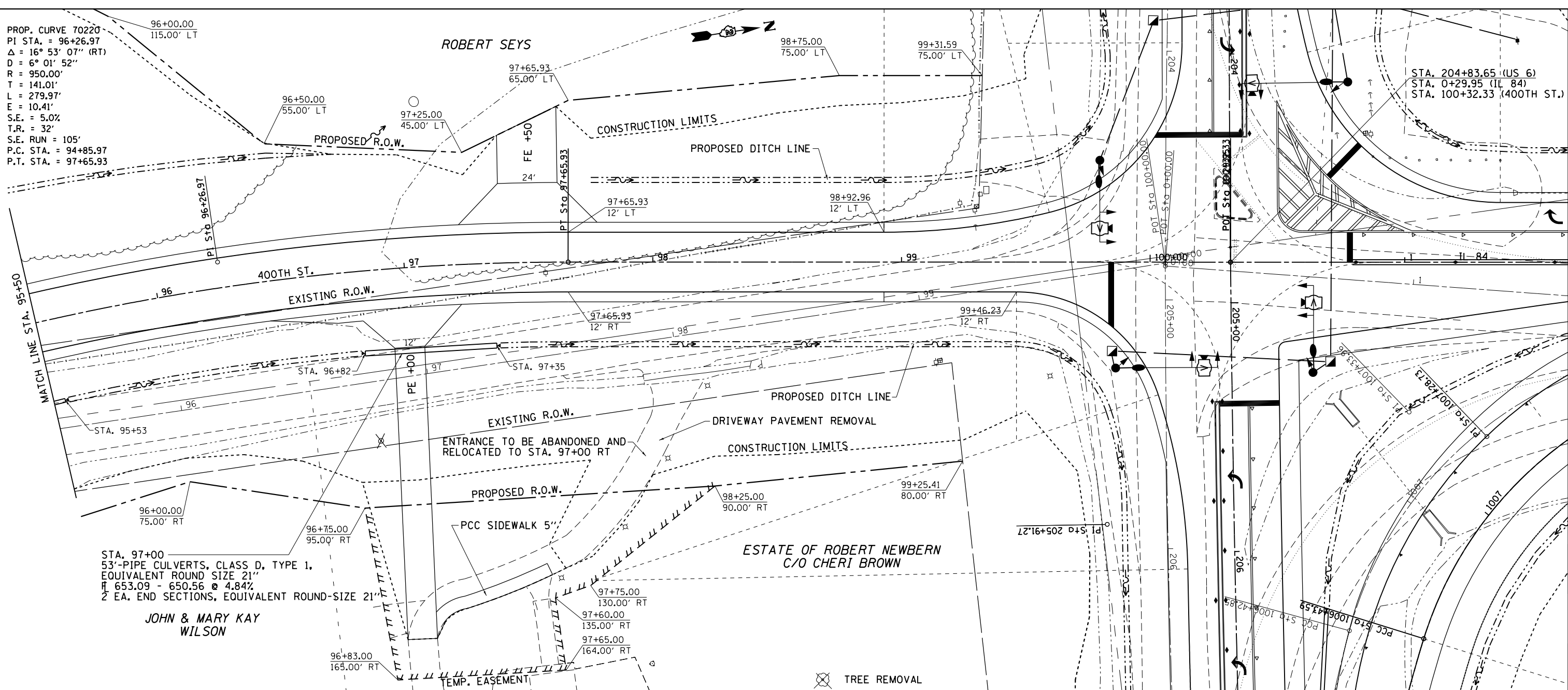
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	40
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

PROP. CURVE 70220
 PI STA. = 96+26.97
 $\Delta = 16^\circ 53' 07''$ (RT)
 $D = 6^\circ 01' 52''$
 $R = 950.00'$
 $T = 141.01'$
 $L = 279.97'$
 $E = 10.41'$
 $S.E. = 5.0\%$
 $T.R. = 32'$
 $S.E. RUN = 105'$
 $P.C. STA. = 94+85.97$
 $P.T. STA. = 97+65.93$

PLAN	SURVEYED	DATE
	PLOTTED	
	ALIGNED	
	CHECKED	
	FILED	
	NO.	

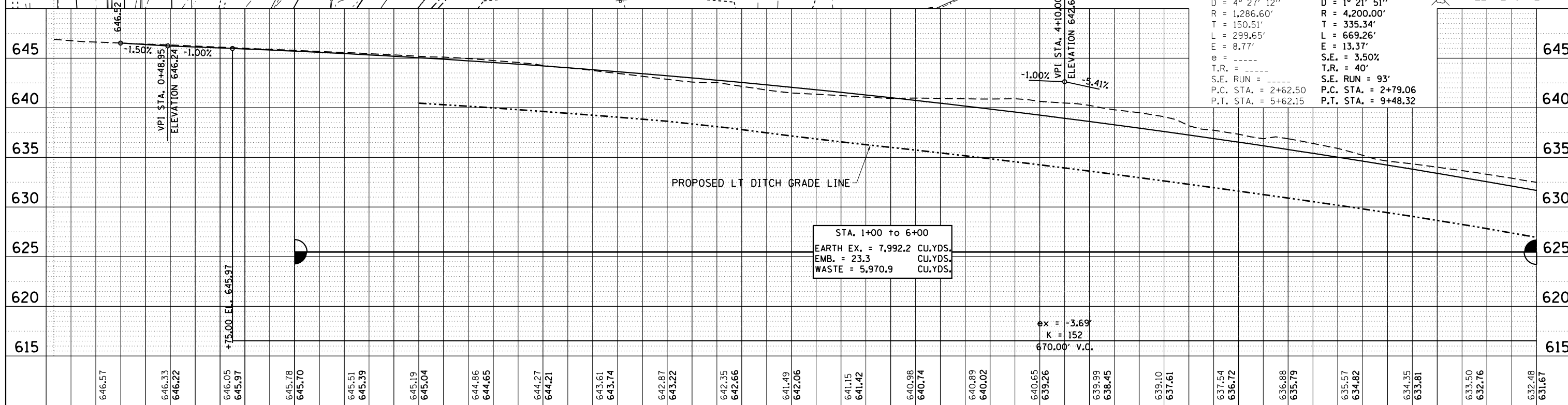
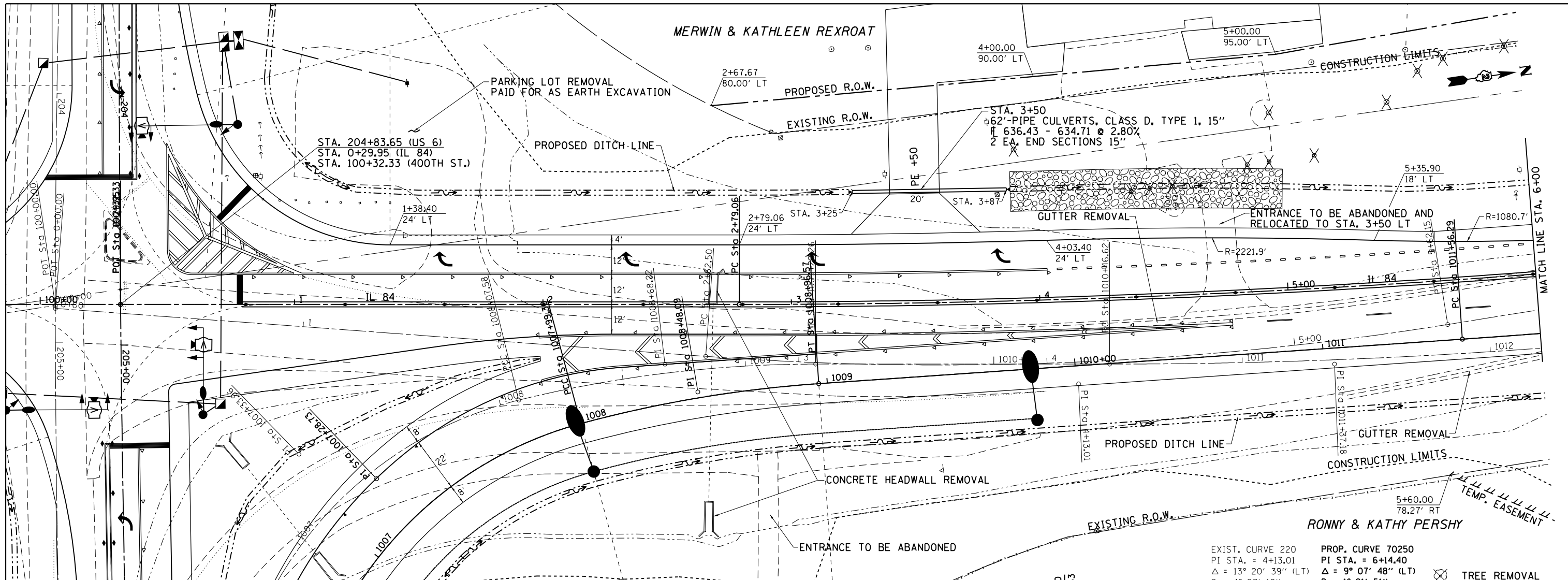
PROFILE	SURVEYED	DATE
	PLOTTED	
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHKD	
	NO.	



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	400TH ST. PLAN & PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		DRAWN -	REVISED -			*	2R-1	HENRY	235	41	
		CHECKED -	REVISED -			CONTRACT NO. 64J43					
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
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PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NO.		

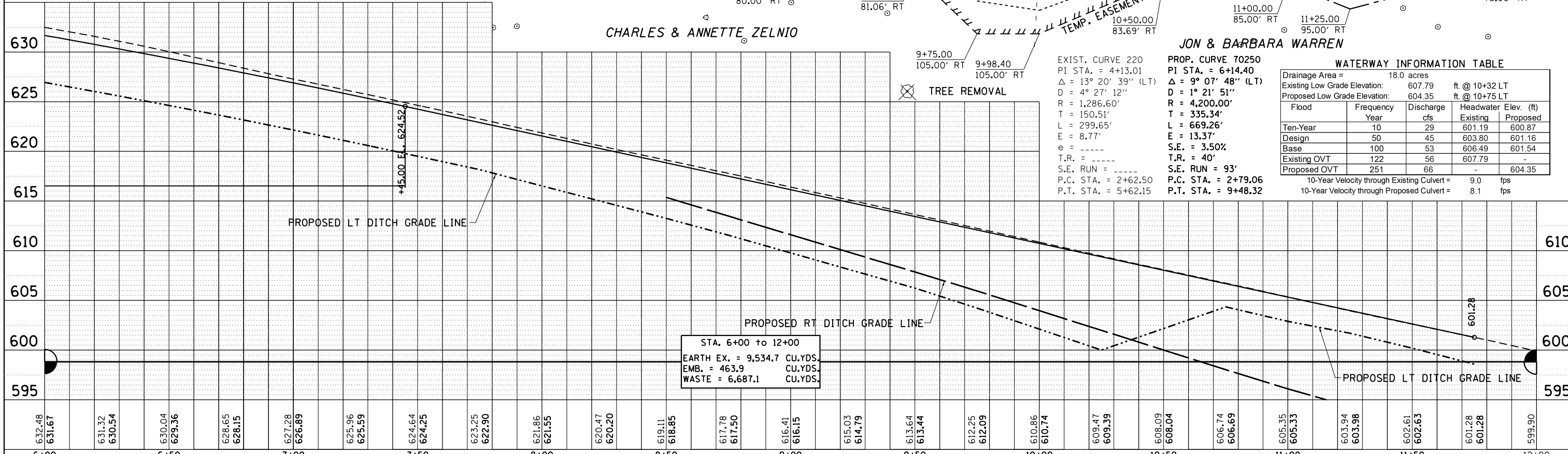
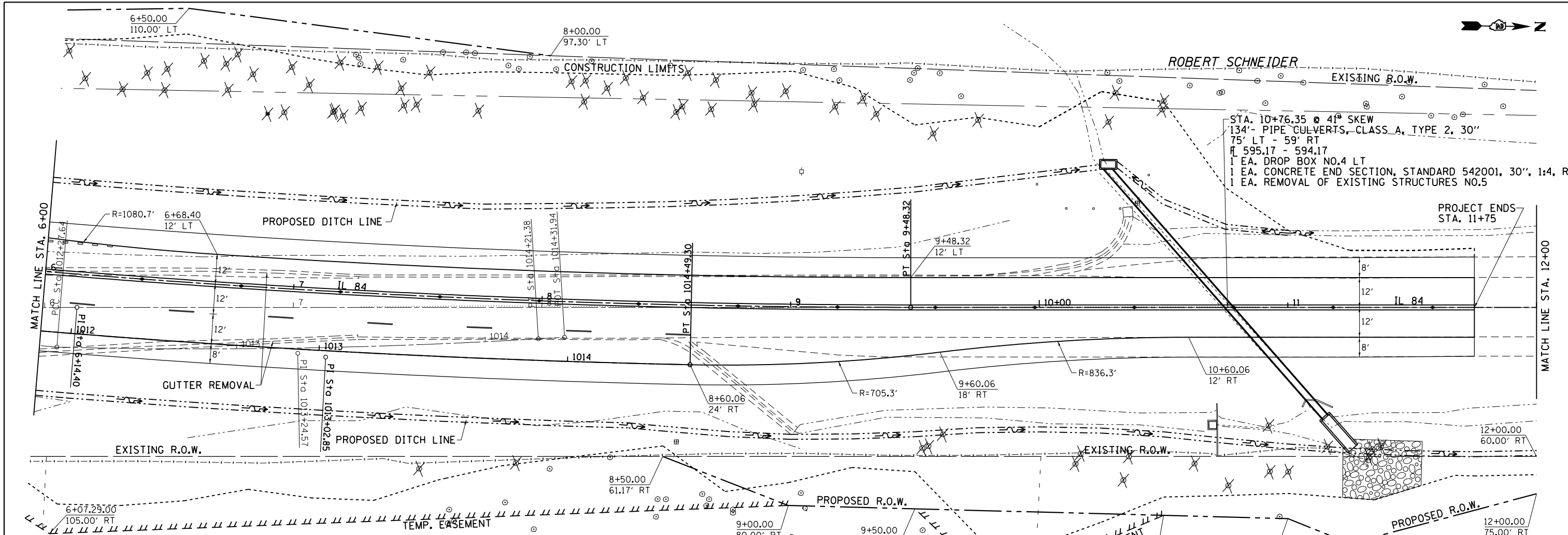


FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 84 PLAN & PROFILE	F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
Default		DRAWN -	REVISED -			*	2R-1	HENRY	235	42	
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 64J43					
	PLOT DATE = Fri Aug 01 11:18:24 2014	DATE -	REVISED -			ILLINOIS FED. AID PROJECT					

* 5789 & 5861

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

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	NO.		
	STRUCTURE		
	NOTATIONS CHECKED		
	NO.		



EXIST. CURVE 220
 PI STA. = 4+13.01
 $\Delta = 13^\circ 20' 39''$ (LT)
 $D = 4^\circ 27' 12''$
 $R = 1,286.60'$
 $T = 150.51'$
 $L = 299.65'$
 $E = 8.77'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 2+62.50$
 $P.T. STA. = 5+62.15$

PROP. CURVE 70250
 PI STA. = 6+14.40
 $\Delta = 9^\circ 07' 48''$ (LT)
 $D = 1^\circ 21' 51''$
 $R = 4,200.00'$
 $T = 335.34'$
 $L = 669.26'$
 $E = 13.37'$
 $S.E. = 3.50\%$
 $T.R. = 40'$
 $S.E. RUN = 93'$
 $P.C. STA. = 2+79.06$
 $P.T. STA. = 9+48.32$

WATERWAY INFORMATION TABLE				
Drainage Area =	18.0 acres			
Existing Low Grade Elevation:	607.79	ft. @ 10+32 LT		
Proposed Low Grade Elevation:	604.35	ft. @ 10+75 LT		
Flood	Frequency Year	Discharge cfs	Headwater Elev. (ft)	
			Existing	Proposed
Ten-Year	10	29	601.19	600.87
Design	50	45	603.80	601.16
Base	100	53	606.49	601.54
Existing OVT	122	56	607.79	-
Proposed OVT	251	66	-	604.35
10-Year Velocity through Existing Culvert =			9.0	fps
10-Year Velocity through Proposed Culvert =			8.1	fps

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

IL 84
 PLAN & PROFILE

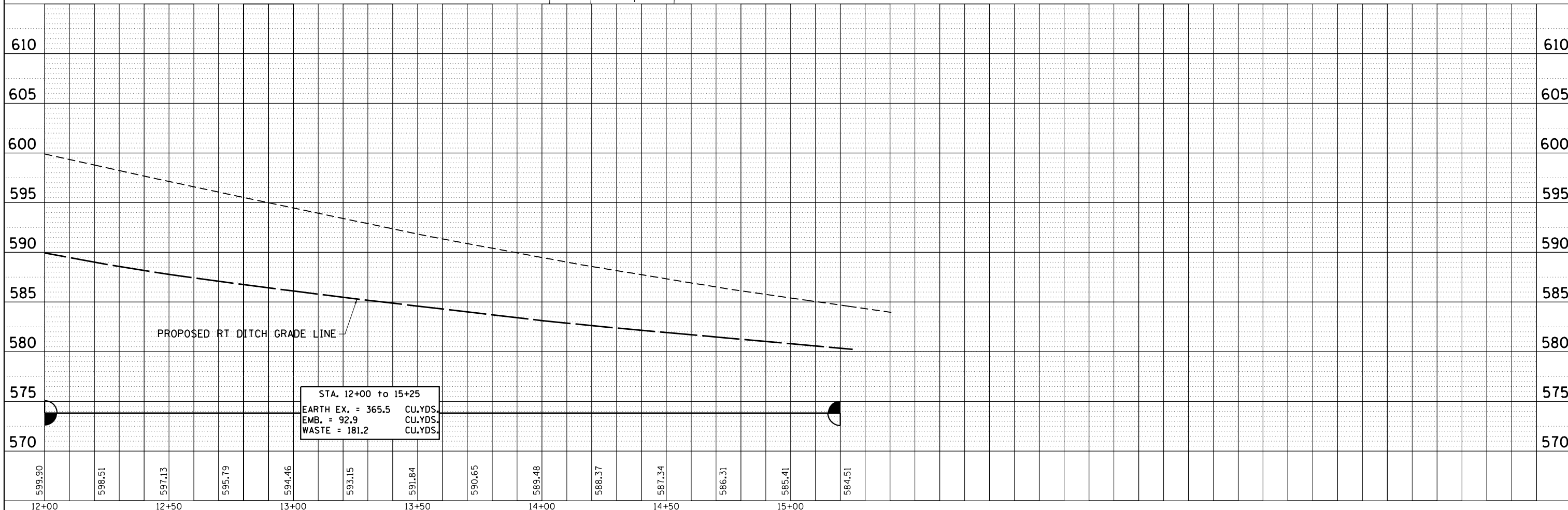
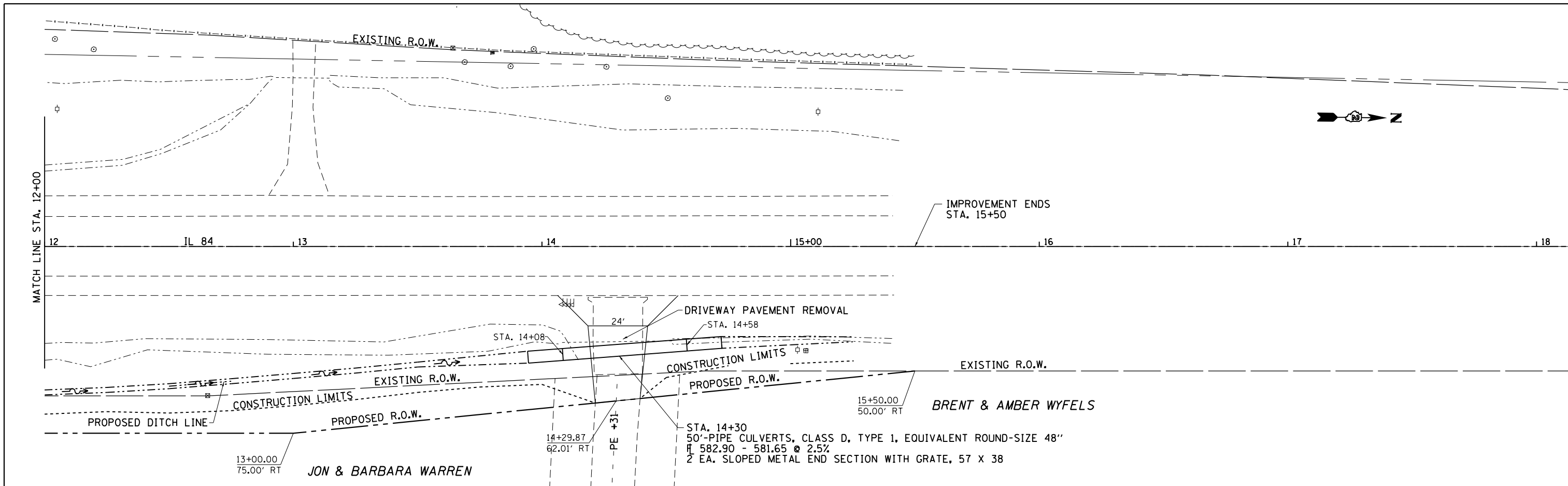
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	43
				CONTRACT NO. 64J43

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 11:18:42 2014	DATE -	REVISED -

SCALE: SHEET OF SHEETS STA. TO STA.

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		

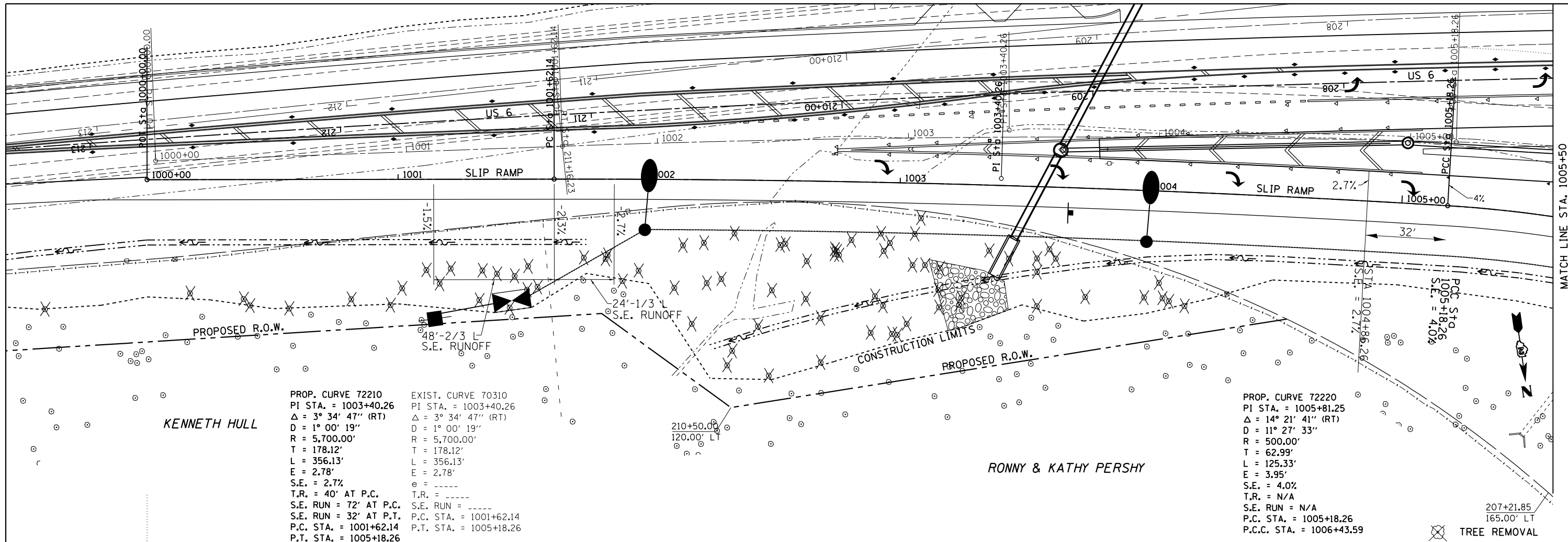
PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHFD		
	NO.		



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL 84 PLAN & PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -			CONTRACT NO. 64J43					
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PLAN	SURVEYED	DATE
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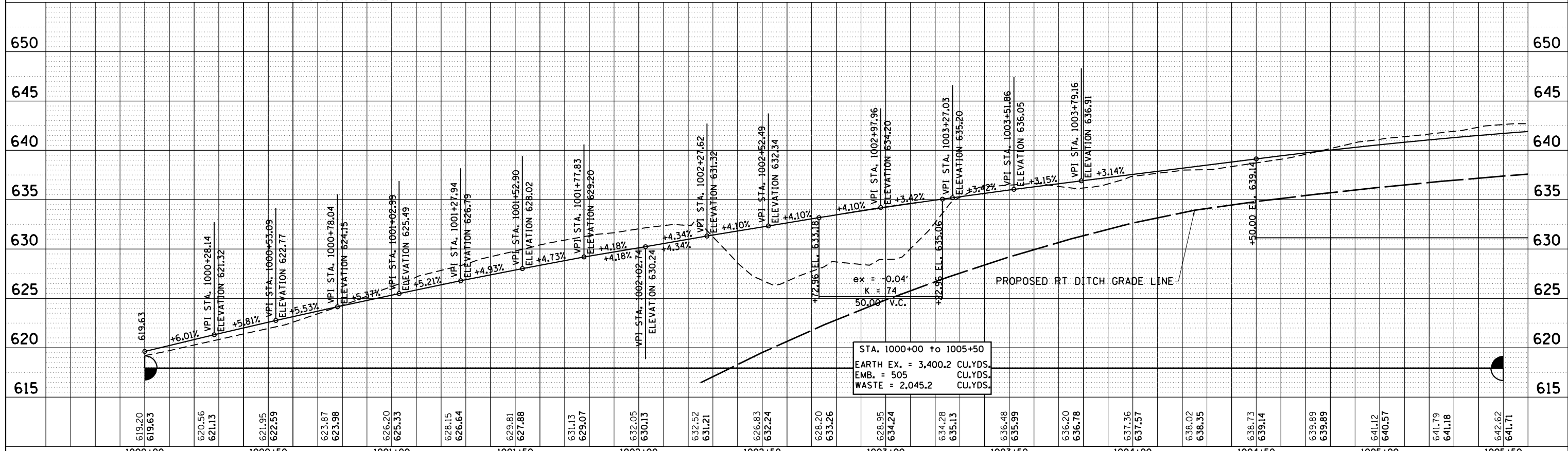
PROFILE	SURVEYED	DATE
	PLOTTED	BY
	GRADES	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	



PROP. CURVE 72210
 PI STA. = 1003+40.26
 $\Delta = 3^\circ 34' 47''$ (RT)
 $D = 1^\circ 00' 19''$
 $R = 5,700.00'$
 $T = 178.12'$
 $L = 356.13'$
 $E = 2.78'$
 $S.E. = 2.7\%$
 $T.R. = 40'$ AT P.C.
 $S.E. RUN = 72'$ AT P.C.
 $S.E. RUN = 32'$ AT P.T.
 P.C. STA. = 1001+62.14
 P.T. STA. = 1005+18.26

EXIST. CURVE 70310
 PI STA. = 1003+40.26
 $\Delta = 3^\circ 34' 47''$ (RT)
 $D = 1^\circ 00' 19''$
 $R = 5,700.00'$
 $T = 178.12'$
 $L = 356.13'$
 $E = 2.78'$
 $T.R. =$
 $S.E. RUN =$
 P.C. STA. = 1001+62.14
 P.T. STA. = 1005+18.26

PROP. CURVE 72220
 PI STA. = 1005+81.25
 $\Delta = 14^\circ 21' 41''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 62.99'$
 $L = 125.33'$
 $E = 3.95'$
 $S.E. = 4.0\%$
 $T.R. = N/A$
 $S.E. RUN = N/A$
 P.C. STA. = 1005+18.26
 P.C.C. STA. = 1006+43.59



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLIP RAMP PLAN & PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\pwwork\cushmanbw\d0333009\F201709-sht-pln1.dgn	DRAWN -	REVISED -	* 2R-1			HENRY	235	45		
Default	CHECKED -	REVISED -	CONTRACT NO. 64J43							
PLOT DATE = Fri Aug 01 11:19:18 2014	DATE -	REVISED -	ILLINOIS FED. AID PROJECT							

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES CHECKED		
	STRUCTURE NOTATIONS CHECKED		
	NOTE BOOK NO.		
	FILE NAME		

EXIST. CURVE 70320
 PI STA. = 1005+80.88
 $\Delta = 14^\circ 16' 33''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 62.61'$
 $L = 124.58'$
 $E = 3.91'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = \text{---}$
 $P.C. \text{ STA.} = 1005+18.26$
 $P.T. \text{ STA.} = 1006+42.85$

PROP. CURVE 72220
 PI STA. = 1005+81.25
 $\Delta = 14^\circ 21' 41''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 62.99'$
 $L = 125.33'$
 $E = 3.95'$
 $S.E. = 4.0\%$
 $T.R. = N/A$
 $S.E. \text{ RUN} = N/A$
 $P.C. \text{ STA.} = 1005+18.26$
 $P.C.C. \text{ STA.} = 1006+43.59$

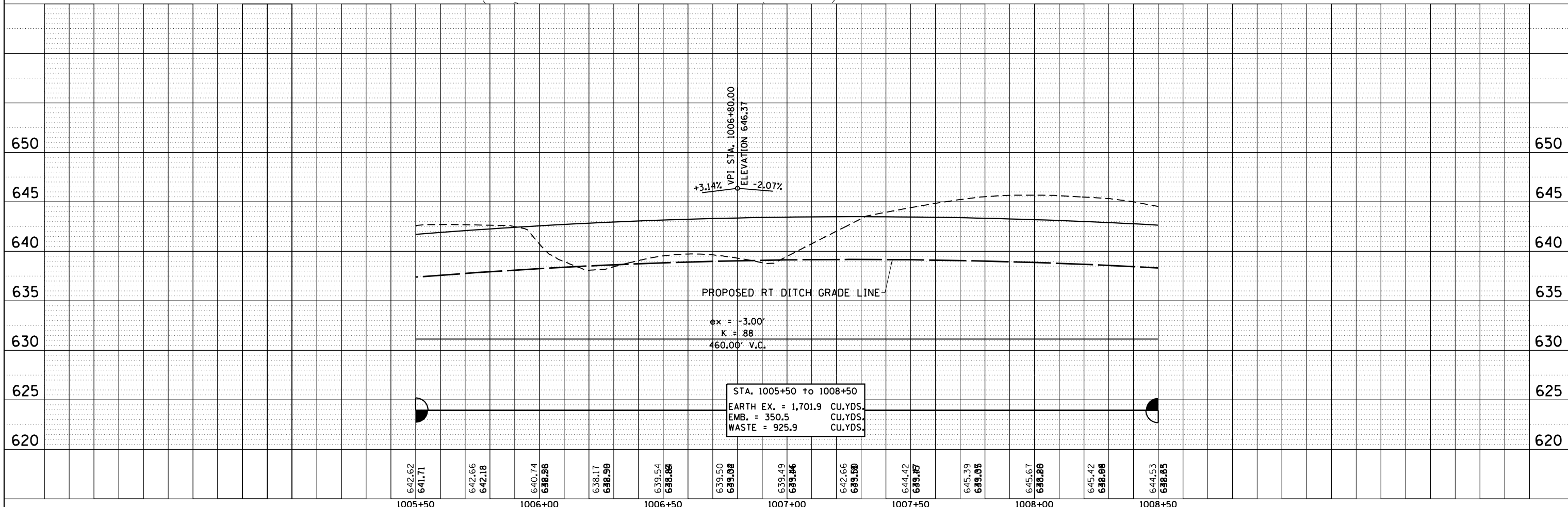
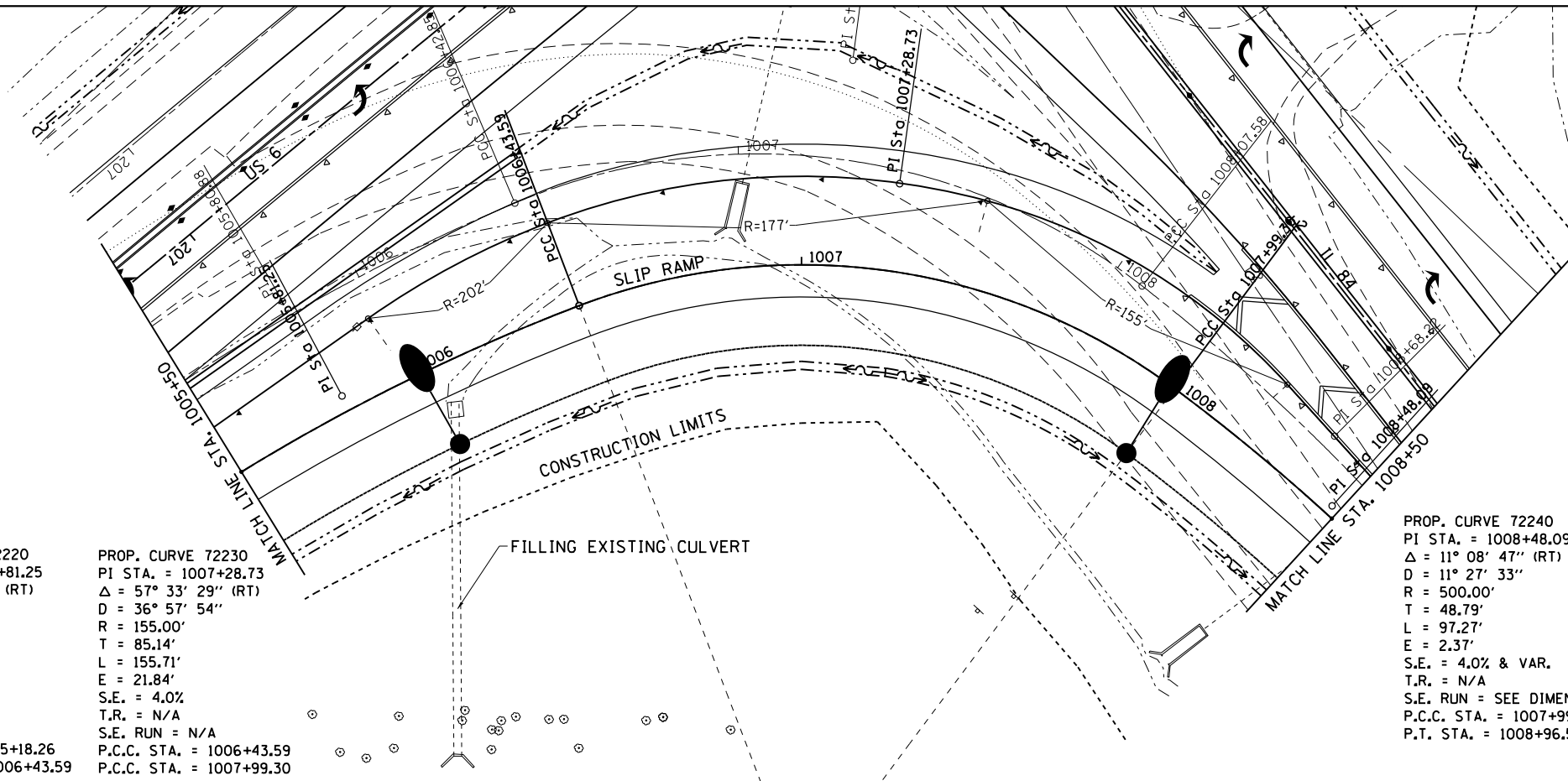
PROP. CURVE 72230
 PI STA. = 1007+28.73
 $\Delta = 57^\circ 33' 29''$ (RT)
 $D = 36^\circ 57' 54''$
 $R = 155.00'$
 $T = 85.14'$
 $L = 155.71'$
 $E = 21.84'$
 $S.E. = 4.0\%$
 $T.R. = N/A$
 $S.E. \text{ RUN} = N/A$
 $P.C.C. \text{ STA.} = 1006+43.59$
 $P.C.C. \text{ STA.} = 1007+99.30$

PROP. CURVE 72240
 PI STA. = 1008+48.09
 $\Delta = 11^\circ 08' 47''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 48.79'$
 $L = 97.27'$
 $E = 2.37'$
 $S.E. = 4.0\% \text{ \& VAR.}$
 $T.R. = N/A$
 $S.E. \text{ RUN} = \text{SEE DIMENSION NOTES}$
 $P.C.C. \text{ STA.} = 1007+99.30$
 $P.T. \text{ STA.} = 1008+96.57$

EXIST. CURVE 70330
 PI STA. = 1007+33.96
 $\Delta = 60^\circ 53' 42''$ (RT)
 $D = 36^\circ 57' 54''$
 $R = 155.00'$
 $T = 91.11'$
 $L = 164.74'$
 $E = 24.79'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = \text{---}$
 $P.C. \text{ STA.} = 1006+42.85$
 $P.T. \text{ STA.} = 1008+07.58$

EXIST. CURVE 70340
 PI STA. = 1008+68.22
 $\Delta = 13^\circ 49' 43''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 60.63'$
 $L = 120.68'$
 $E = 3.66'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. \text{ RUN} = \text{---}$
 $P.C. \text{ STA.} = 1008+07.58$
 $P.T. \text{ STA.} = 1009+28.26$

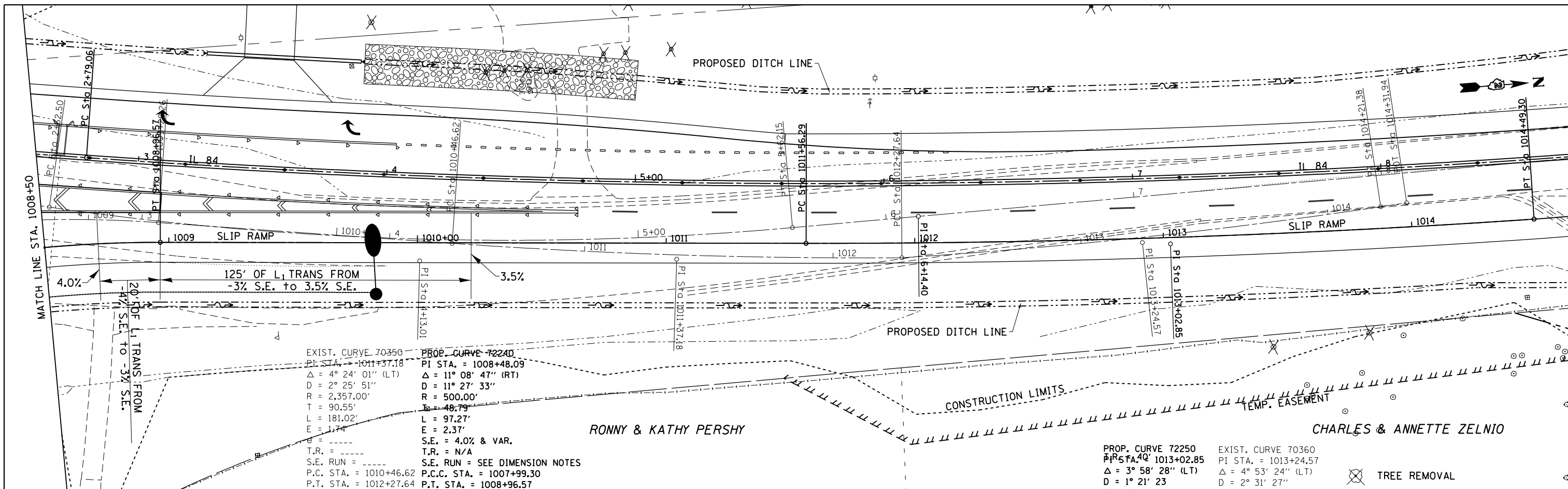
☒ TREE REMOVAL



FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	SLIP RAMP PLAN & PROFILE	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwork\pwork\cushmanbw\d0333009\F201709-sht-pln1.dgn		DRAWN -	REVISED -			*	2R-1	HENRY	235	46
Default		CHECKED -	REVISED -			CONTRACT NO. 64J43				
		DATE -	REVISED -			ILLINOIS FED. AID PROJECT				

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	ALIGNED		
	CHECKED		
	FILED		
	NO.		
	NO.		
	NO.		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	GRADES		
	CHECKED		
	STRUCTURE		
	NOTATIONS		
	CHKD		

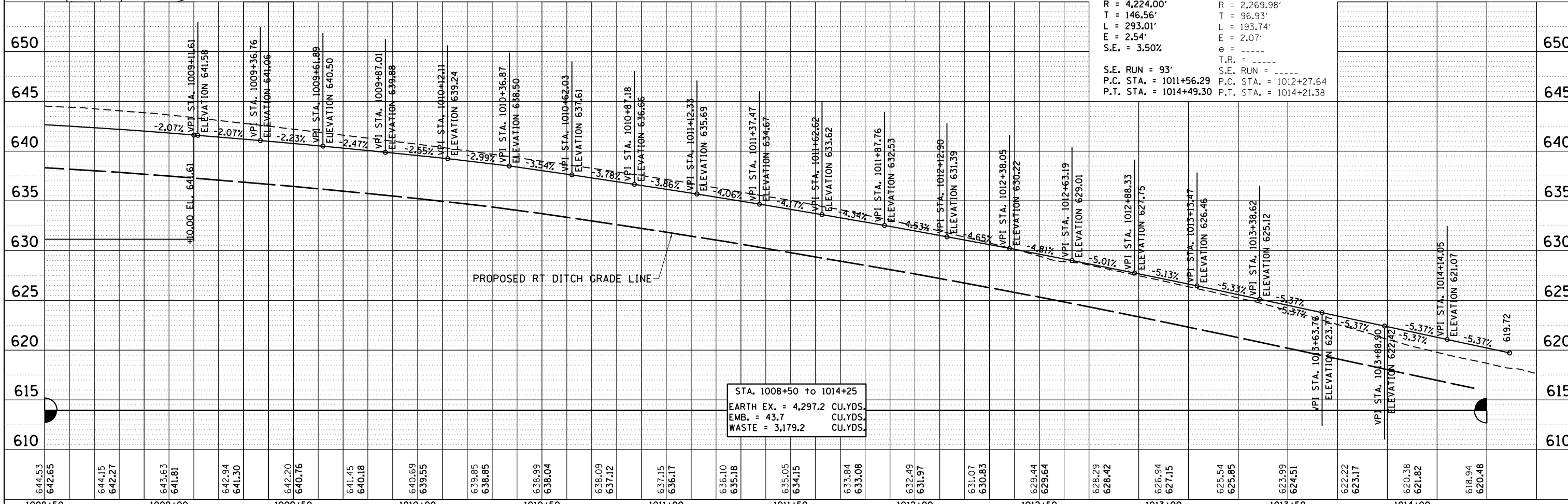


EXIST. CURVE 70350
 PI STA. = 1011+37.18
 $\Delta = 4^\circ 24' 01''$ (LT)
 $D = 2^\circ 25' 51''$
 $R = 2,357.00'$
 $T = 90.55'$
 $L = 181.02'$
 $E = 1.74'$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 1010+46.62$
 $P.T. STA. = 1012+27.64$

PROP. CURVE 72240
 PI STA. = 1008+48.09
 $\Delta = 11^\circ 08' 47''$ (RT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $L = 48.79'$
 $E = 97.27'$
 $F = 2.37'$
 $S.E. = 4.0\% \text{ \& \textit{VAR.}}$
 $T.R. = N/A$
 $S.E. RUN = \text{SEE DIMENSION NOTES}$
 $P.C.C. STA. = 1007+99.30$
 $P.T. STA. = 1008+96.57$

PROP. CURVE 72250
 PI STA. = 1013+02.85
 $\Delta = 3^\circ 58' 28''$ (LT)
 $D = 1^\circ 21' 23''$
 $R = 4,224.00'$
 $T = 146.56'$
 $L = 293.01'$
 $E = 2.54'$
 $S.E. = 3.50\%$

EXIST. CURVE 70360
 PI STA. = 1013+24.57
 $\Delta = 4^\circ 53' 24''$ (LT)
 $D = 2^\circ 31' 27''$
 $R = 2,269.98'$
 $T = 96.93'$
 $L = 193.74'$
 $E = 2.07'$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 1012+27.64$
 $P.T. STA. = 1014+21.38$



STA. 1008+50 to 1014+25
 EARTH EX. = 4,297.2 CU.YDS.
 EMB. = 43.7 CU.YDS.
 WASTE = 3,179.2 CU.YDS.

FILE NAME =	USER NAME = cushmanbw	DESIGNED -	REVISED -
Default	c:\pwork\pwork\cushmanbw\d0333009\F201709-sht-pln1.dgn	DRAWN -	REVISED -
	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 11:19:45 2014	DATE -	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

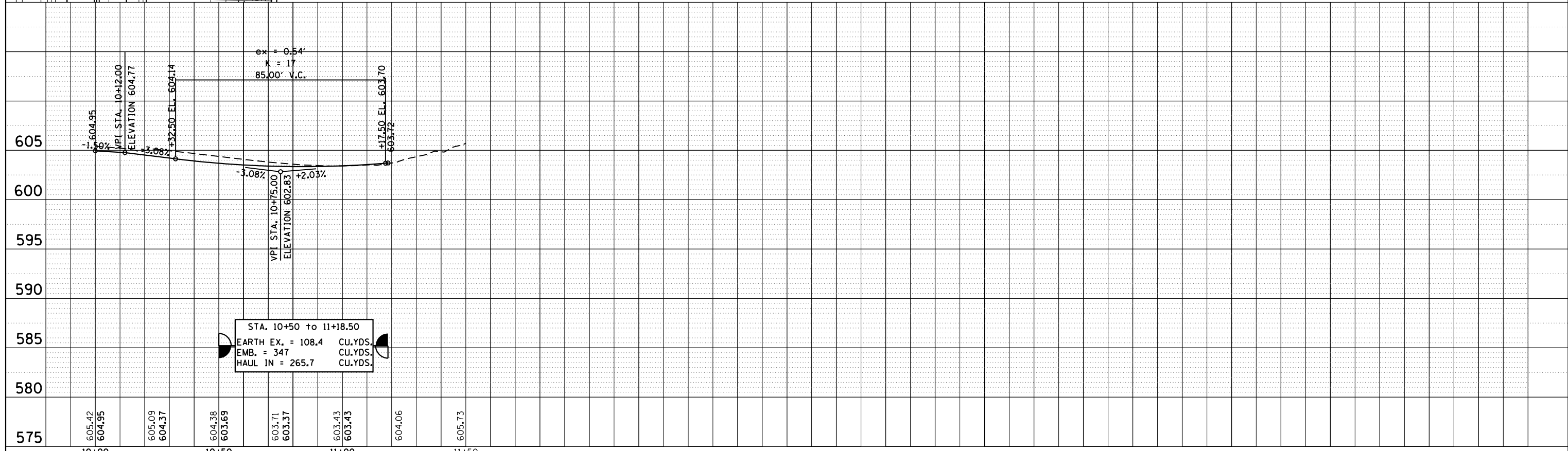
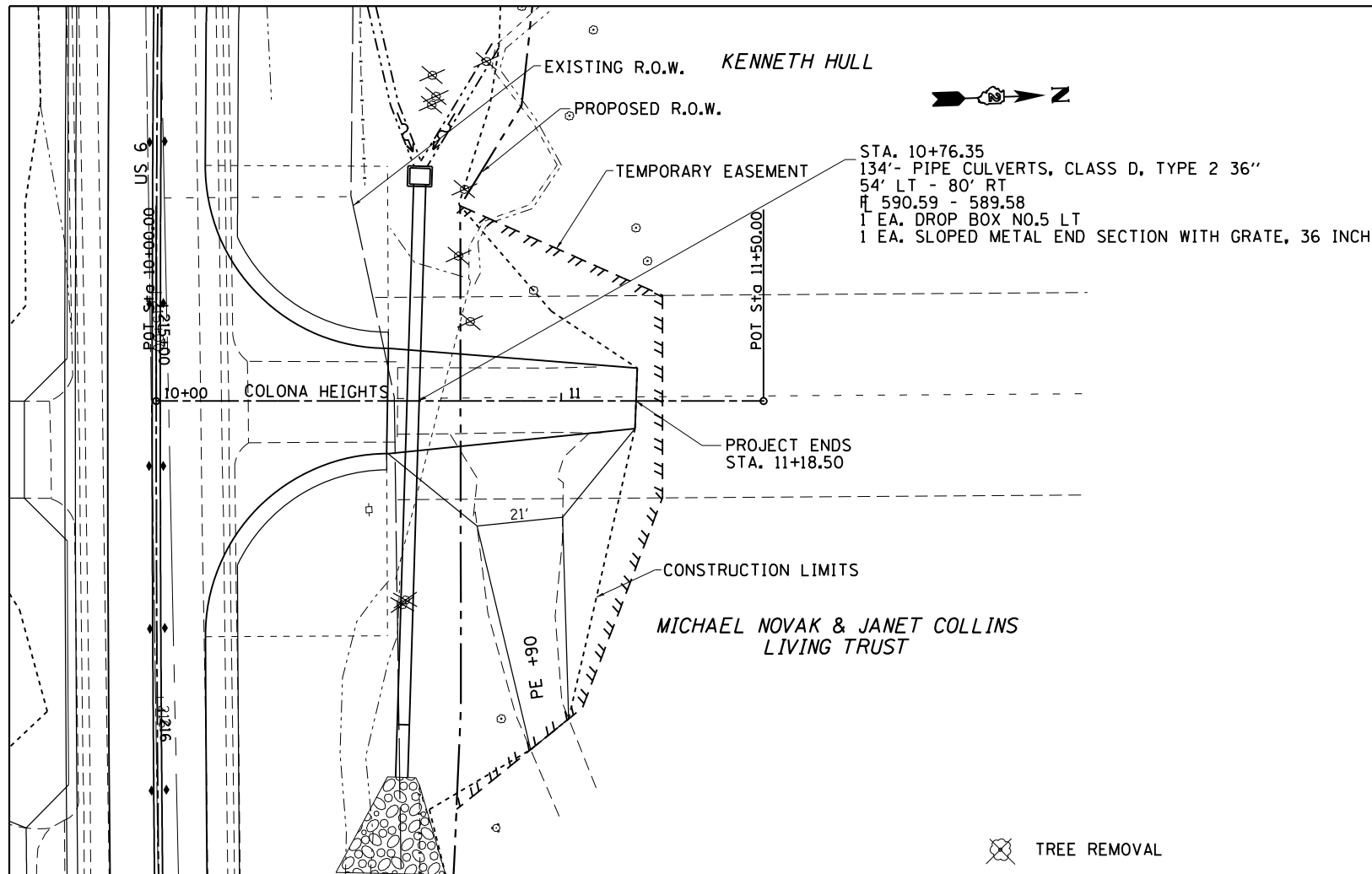
SLIP RAMP
 PLAN & PROFILE

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	47
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

PLAN	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	FILE NAME		

PROFILE	SURVEYED	BY	DATE
	PLOTTED		
	NOTE BOOK		
	NO.		
	FILE NAME		



FILE NAME =	USER NAME =	DESIGNED -	REVISED -
c:\pwork\pwork\cushmanbw\d0333009\F201709-sht-pln1.dgn	cushmanbw	DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
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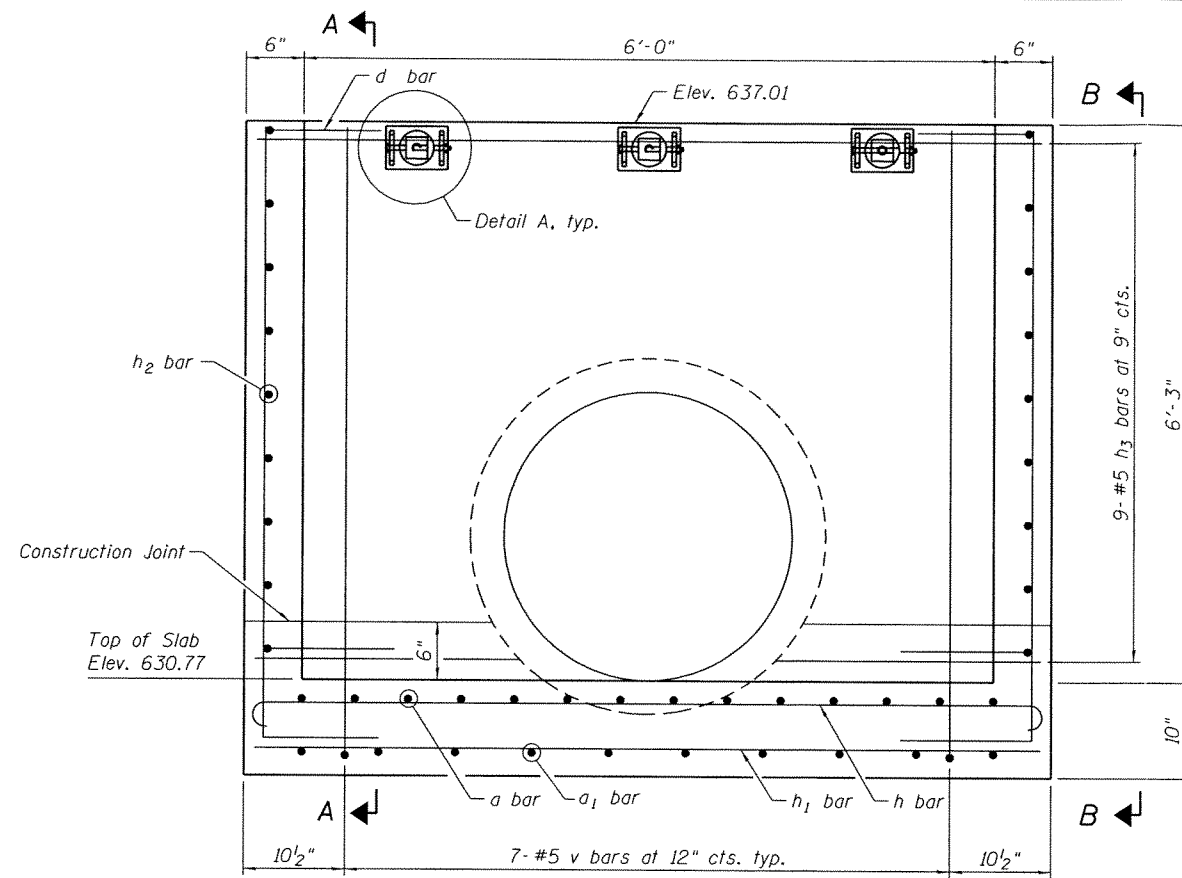
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**COLONA HEIGHTS
PLAN & PROFILE**

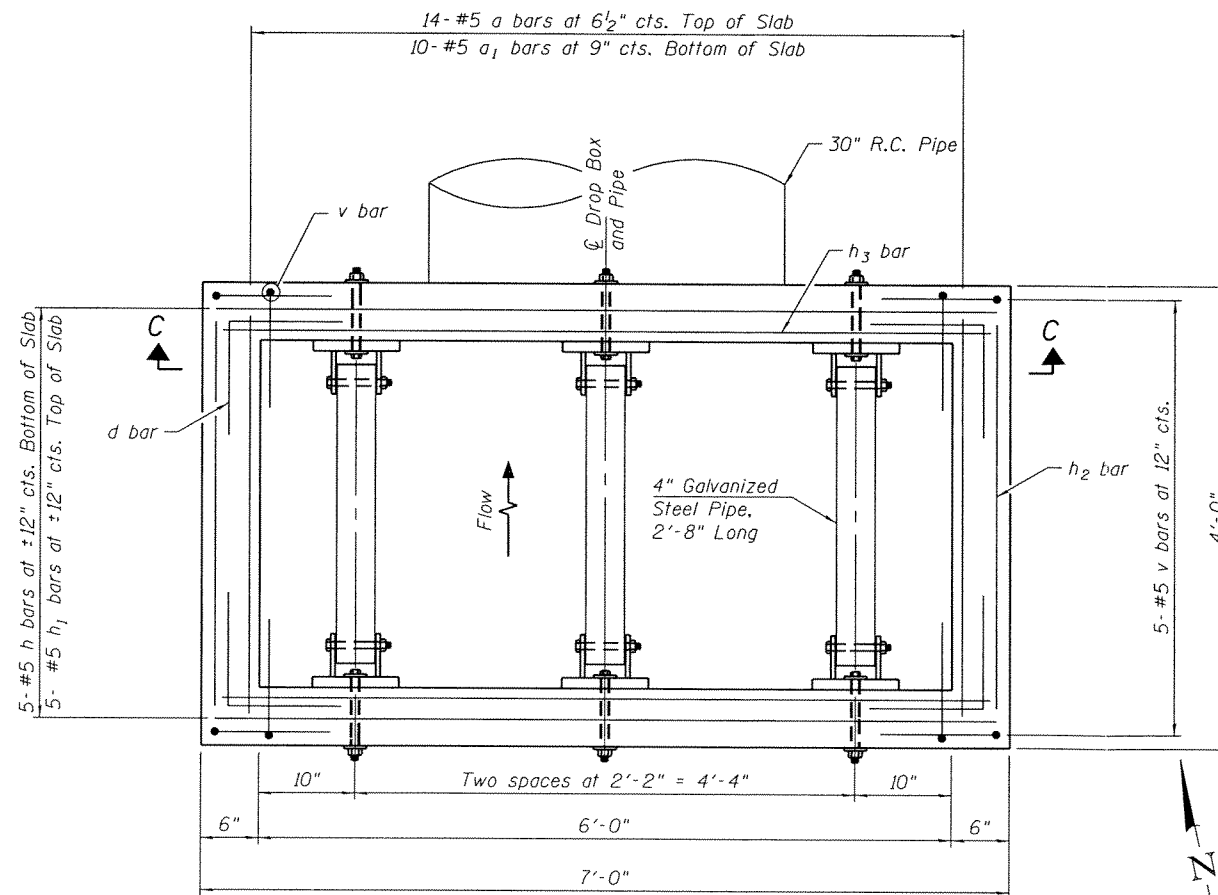
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	48
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

* 5789 & 5861



LONG. SECTION



PLAN

GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. All exposed concrete edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.
3. All construction joints shall be bonded.
4. The contract unit price "Each" for Drop Box No. 1 shall include the Concrete Structures, Reinforcement Bars, earth excavation where required, backfilling and necessary grading to fit the structure as shown, or to the slope.
5. The contract unit price "Foot" for Traversable Pipe Grate shall include the steel pipe grate system, steel plates, bolts, nuts and washers.
6. Steel pipes shall conform to ASTM A-53 (Type E or S) Grade B, Schedule 40 and shall be galvanized conforming to ASTM A-120.
7. Steel plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.
8. Bolts, nuts and washer shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.
9. Contractor shall field verify galvanized pipe length.
10. The minimum distance from the center of a hole to the free edge of a structural shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.
11. Bolts shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
12. This work shall be done according to the application portions of 501, 503, 505, 508 and 540 of the Standard Specifications.
13. Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
14. Contractor to confirm that a minimum allowable gross bearing pressure equal to 2000 PSF can be achieved prior to construction of Drop Box structure.
15. Backfilling and future excavations shall be performed equally on all sides of the structure.

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drop Box No. 1	Each	1
Traversable Pipe Grates	Foot	8



[Handwritten Signature]
 exp 11/2014

PLAN & ELEVATION
DROP BOX NO. 1
U.S. 6 STATION 196+25.00 RT

FILE NAME = SA\JDL\63008-63393\6346\071\Microst\CADD_Sheets\Structural_Sheets\Sheet_01.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDPFR NO. 184-001273

USER NAME	brianf	DESIGNED -	MJD	REVISED	
PLOT SCALE		CHECKED -	RRD	REVISED	
PLOT DATE	3/13/2014	DRAWN -	BJF	REVISED	
		CHECKED -	RRD	REVISED	

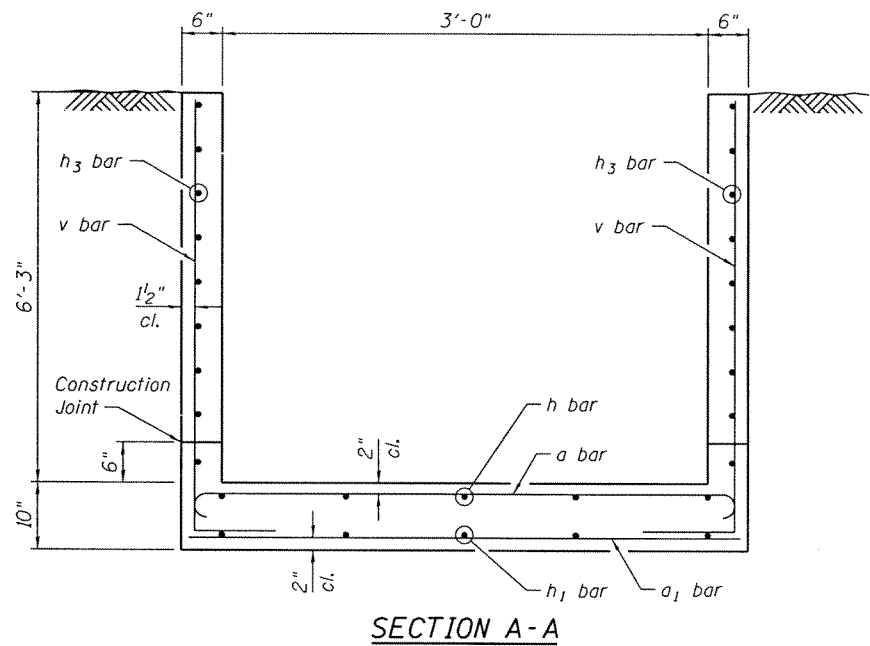
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION
DROP BOX NO. 1

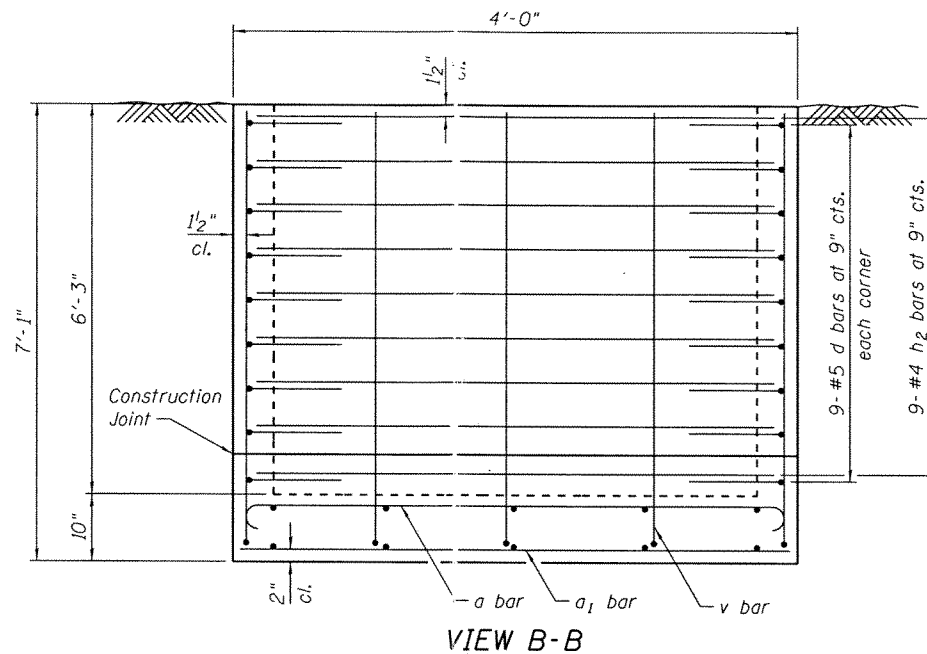
SHEET NO. 51 OF 510 SHEETS

F.A.U RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	2R-1	HENRY	235	49

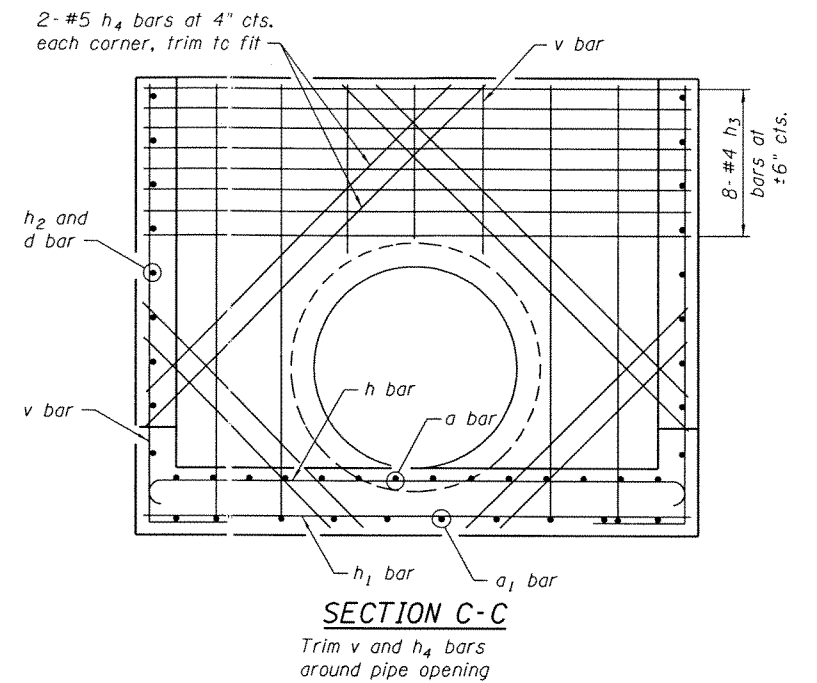
CONTRACT NO. 64743
 ILLINOIS FED. AID PROJECT



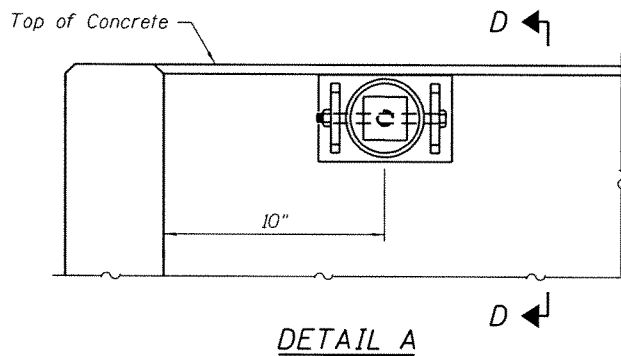
SECTION A-A



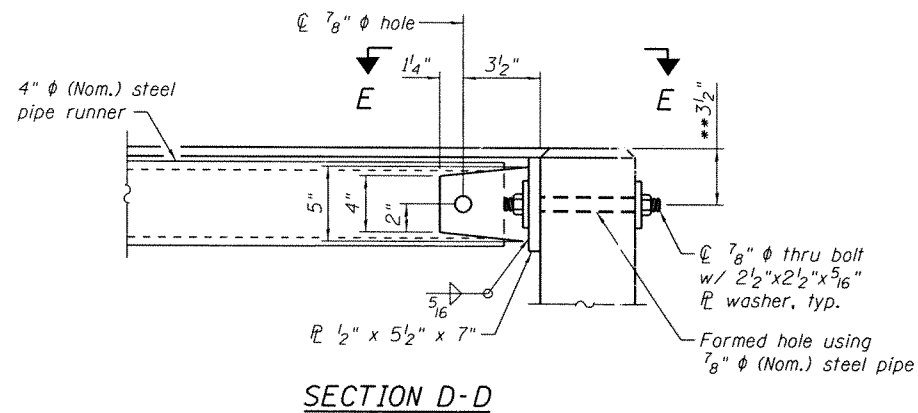
VIEW B-B



SECTION C-C

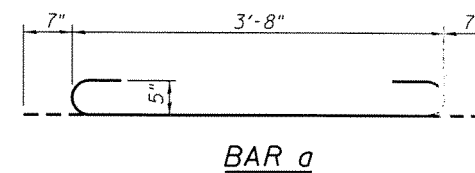


DETAIL A

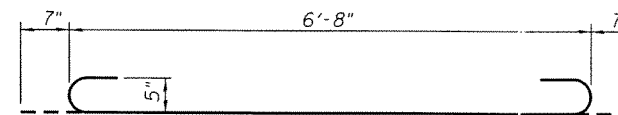


SECTION D-D

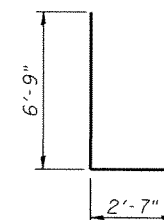
**Measured perpendicular to top of sidewall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert extension with drop box



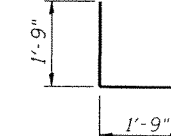
BAR a



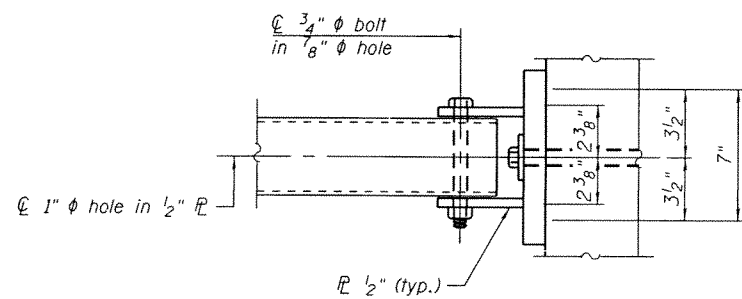
BAR h



BAR v



BAR d



VIEW E-E

BILL OF MATERIAL
(For Information Only)

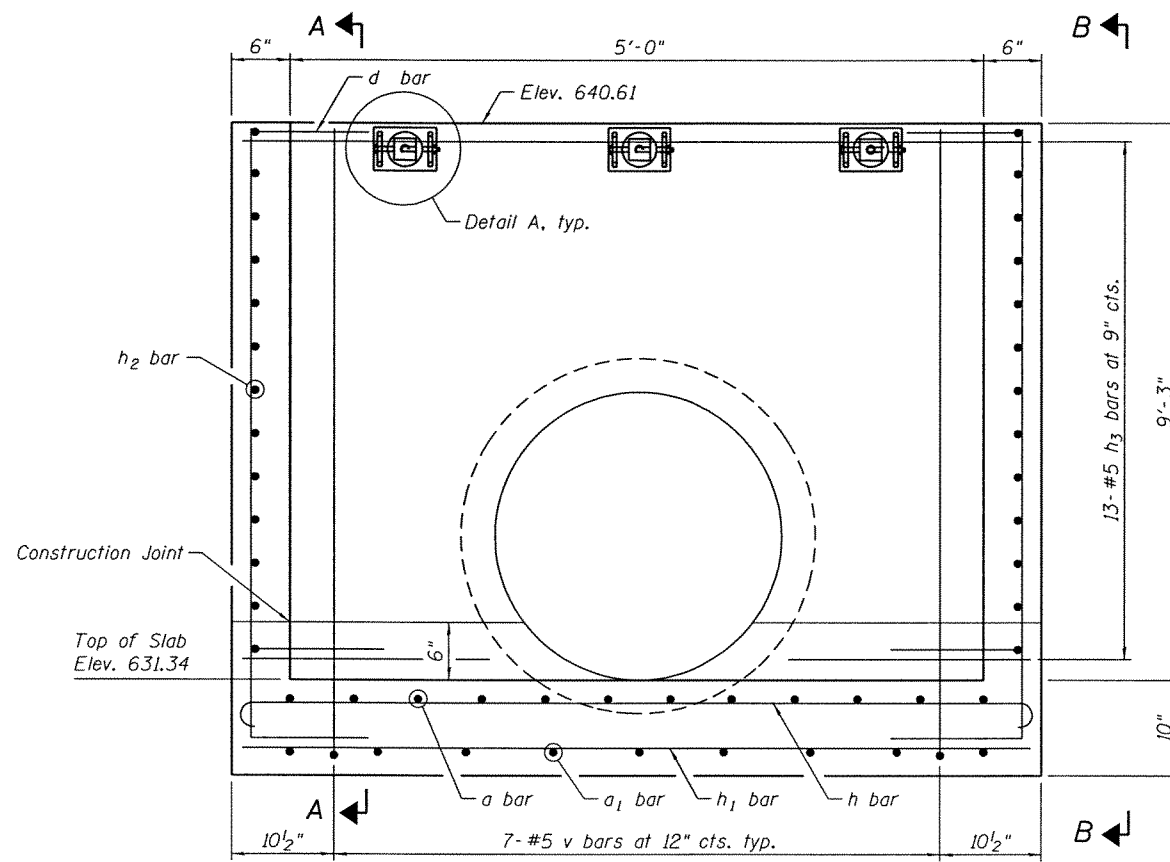
Bar	No.	Size	Length	Shape
a	14	#5	4'-10"	
a1	10	#5	3'-8"	
d	36	#4	3'-6"	
h	5	#5	7'-10"	
h1	5	#5	6'-8"	
h2	18	#4	3'-8"	
h3	17	#4	6'-8"	
h4	8	#5	6'-10"	
v	26	#5	9'-4"	
DESCRIPTION		UNIT	QTY.	
* Concrete Box Culverts		Cu. Yd.	3.0	
* Reinforcement Bars		Pound	700	
** 4" Galv. Steel Pipe		3 @	2'-8"	
** Side Assembly		Each	6	

* Included in Drop Box No. 1

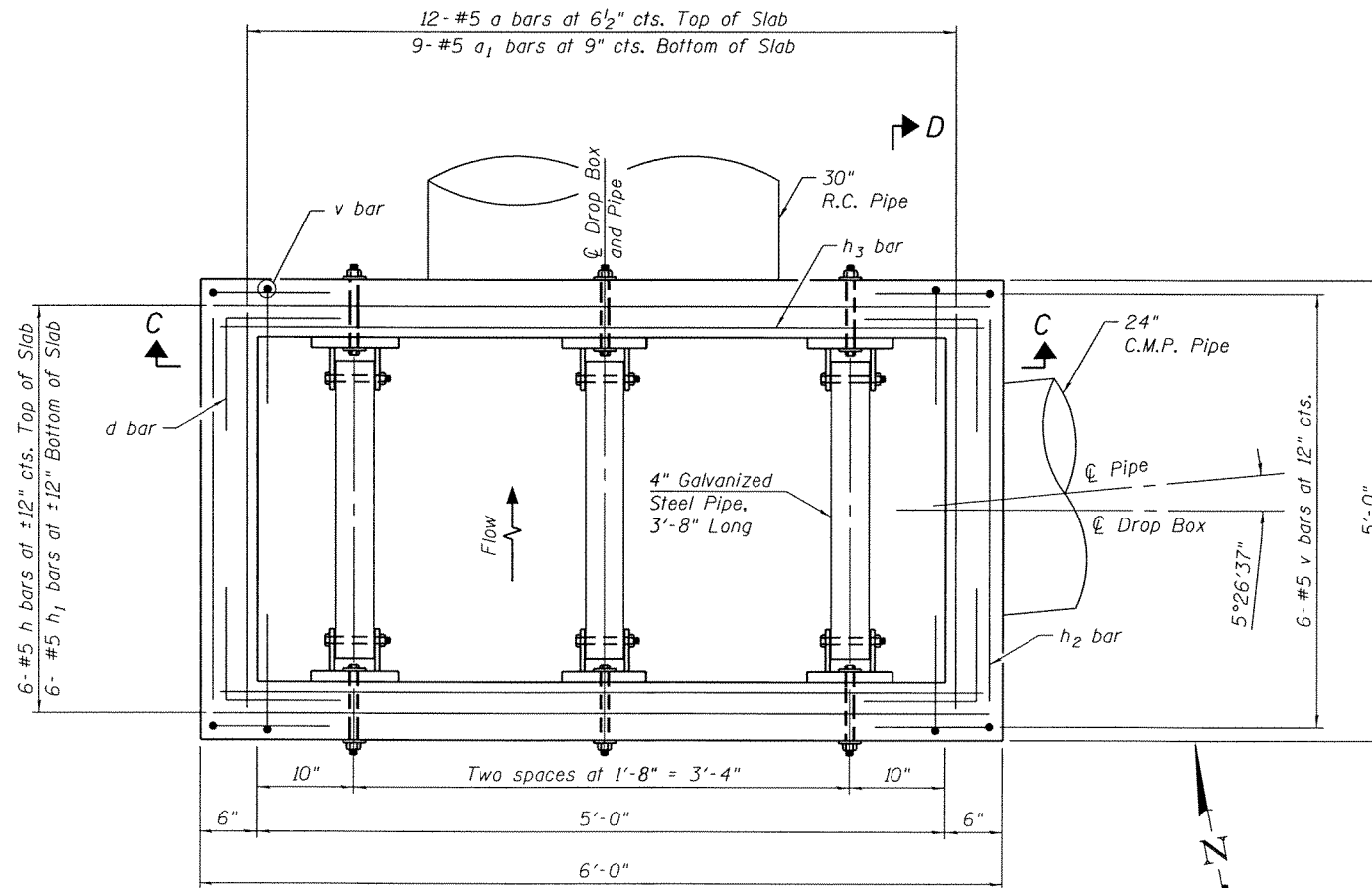
** Included in Traversable Pipe Grate with all hardware and steel for Assemblies

PLAN & ELEVATION
DROP BOX NO. 1
U.S. 6 STATION 196+25.00 RT

FILE NAME = S:\JDL\6300-6399\6346\071\MicroCAD_Sheets\Structural_Sheets_Sheet_02.dgn



LONG. SECTION



PLAN

GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. All exposed concrete edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.
3. All construction joints shall be bonded.
4. The contract unit price "Each" for Drop Box No. 2 shall include the Concrete Structures, Reinforcement Bars, earth excavation where required, backfilling and necessary grading to fit the structure as shown, or to the slope.
5. The contract unit price "Foot" for Traversable Pipe Grate shall include the steel pipe grate system, steel plates, bolts, nuts and washers.
6. Steel pipes shall conform to ASTM A-53 (Type E or S) Grade B, Schedule 40 and shall be galvanized conforming to ASTM A-120.
7. Steel plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.
8. Bolts, nuts and washer shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.
9. Contractor shall field verify galvanized pipe length.
10. The minimum distance from the center of a hole to the free edge of a structural shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.
11. Bolts shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
12. This work shall be done according to the application portions of 501, 503, 505, 508 and 540 of the Standard Specifications.
13. Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
14. Contractor to confirm that a minimum allowable gross bearing pressure equal to 2000 PSF can be achieved prior to construction of Drop Box structure.
15. Backfilling and future excavations shall be performed equally on all sides of the structure.

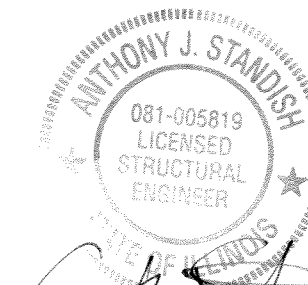
DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

BILL OF MATERIAL

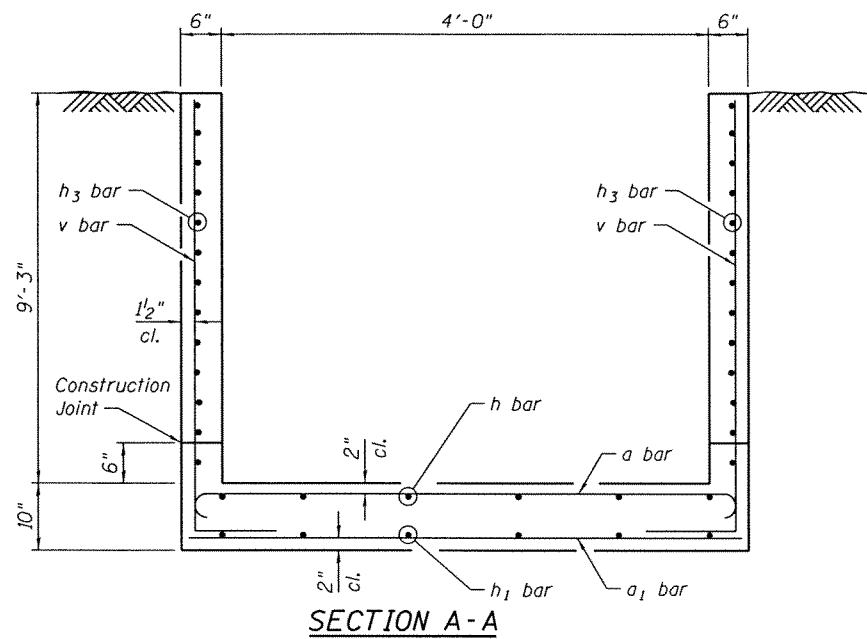
ITEM	UNIT	TOTAL
Drop Box No. 2	Each	1
Traversable Pipe Grate	Foot	11



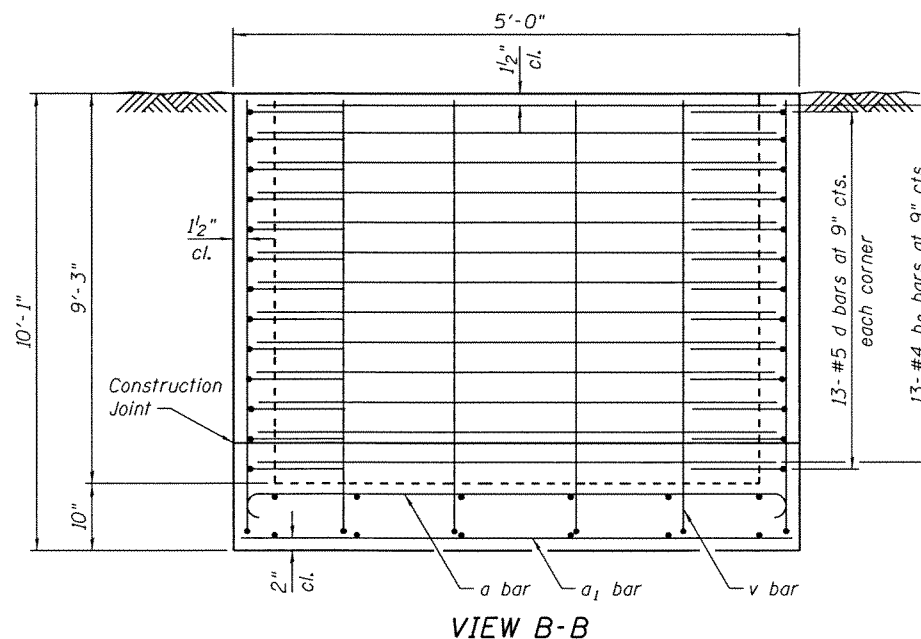
[Signature]
 2-4-14
 exp. 11/2014

**PLAN & ELEVATION
 DROP BOX NO. 2
 U.S. 6 STATION 198+75.00 RT**

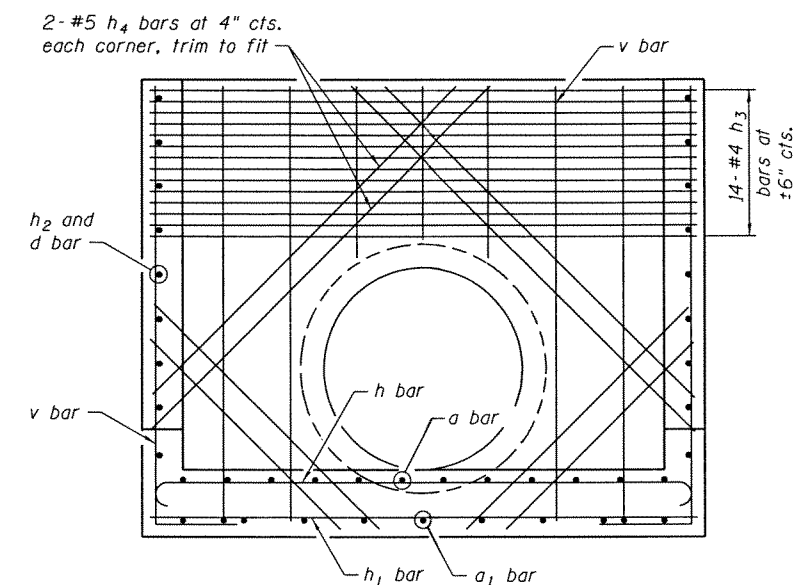
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SECTION A-A

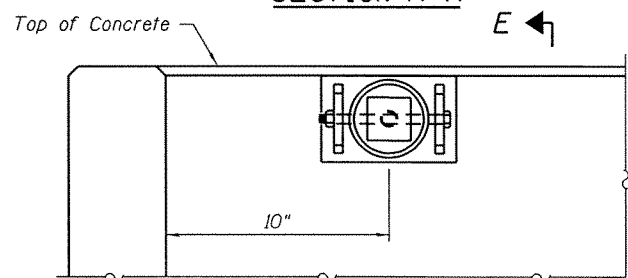


VIEW B-B

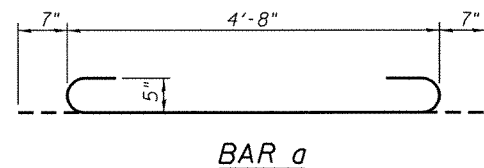


SECTION C-C

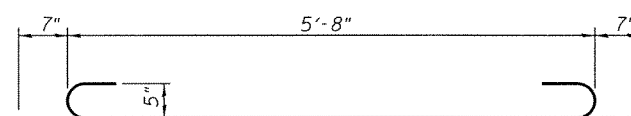
Trim v and h₄ bars around pipe opening



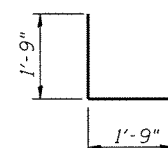
DETAIL A



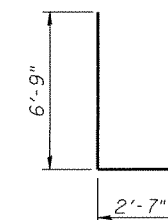
BAR a



BAR h

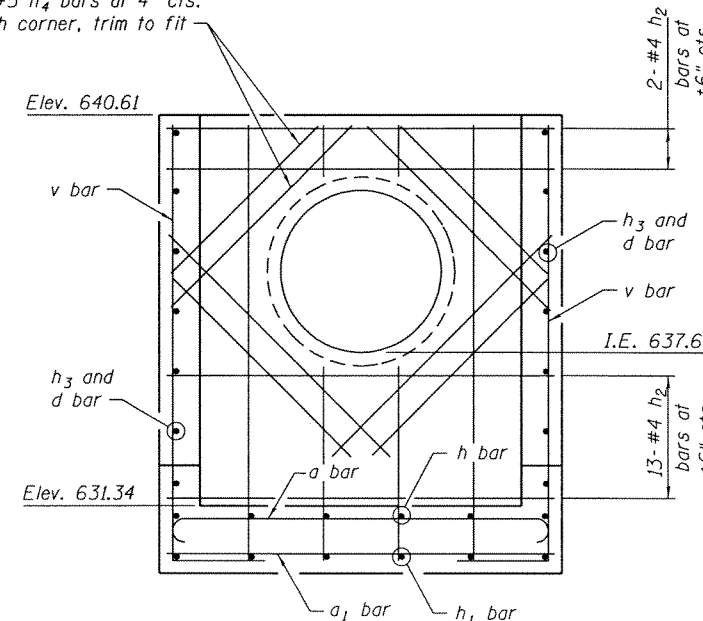


BAR d



BAR v

2-#5 h₄ bars at 4" cts. each corner, trim to fit



SECTION D-D

Trim v and h₄ bars around pipe opening

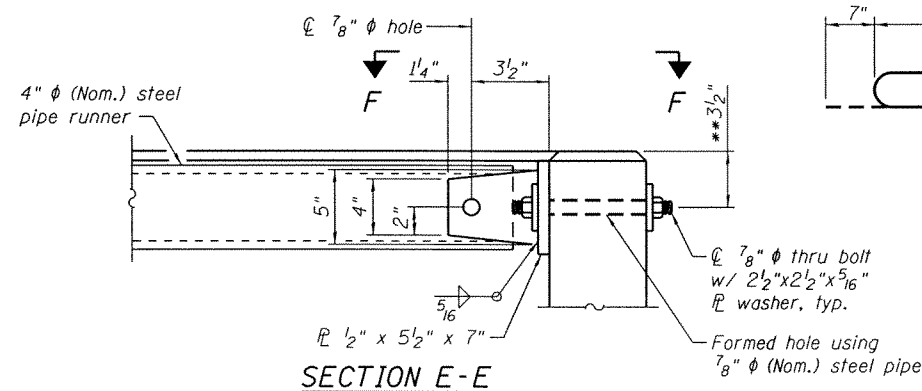
BILL OF MATERIAL
(For Information Only)

Bar	No.	Size	Length	Shape
a	12	#5	5'-10"	
a ₁	9	#5	4'-8"	—
d	52	#4	3'-6"	
h	6	#5	6'-10"	
h ₁	6	#5	5'-8"	—
h ₂	28	#4	4'-8"	—
h ₃	27	#4	5'-8"	—
h ₄	16	#5	10'-6"	—
v	26	#5	13'-4"	

DESCRIPTION	UNIT	QTY.
* Concrete Box Culverts	Cu. Yd.	4.0
* Reinforcement Bars	Pound	1,100
** 4" Galv. Steel Pipe	3 @	3'-8"
** Side Assembly	Each	6

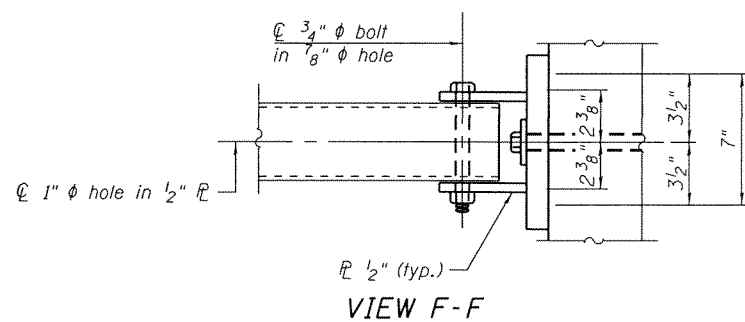
* Included in Drop Box No. 2

** Included in Traversable Pipe Grate with all hardware and steel for Assemblies



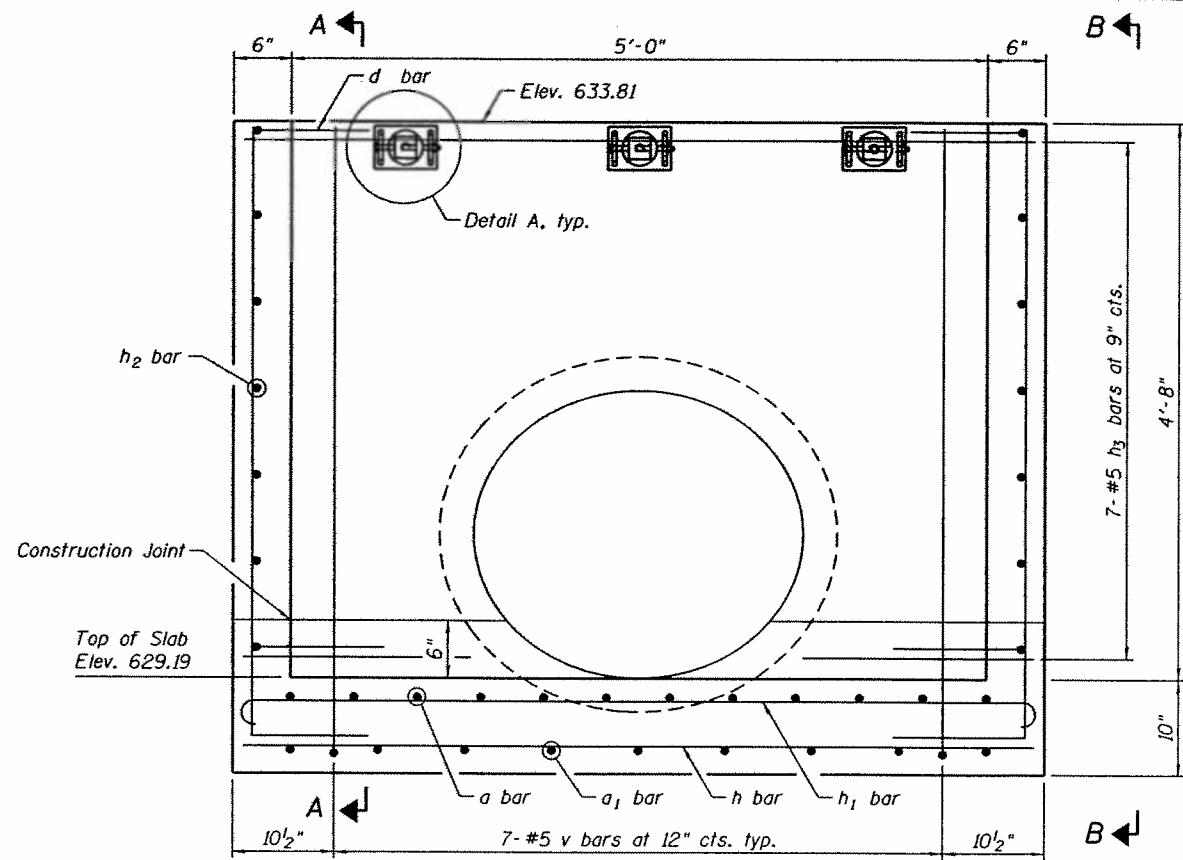
SECTION E-E

** Measured perpendicular to top of sidewall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert extension with drop box

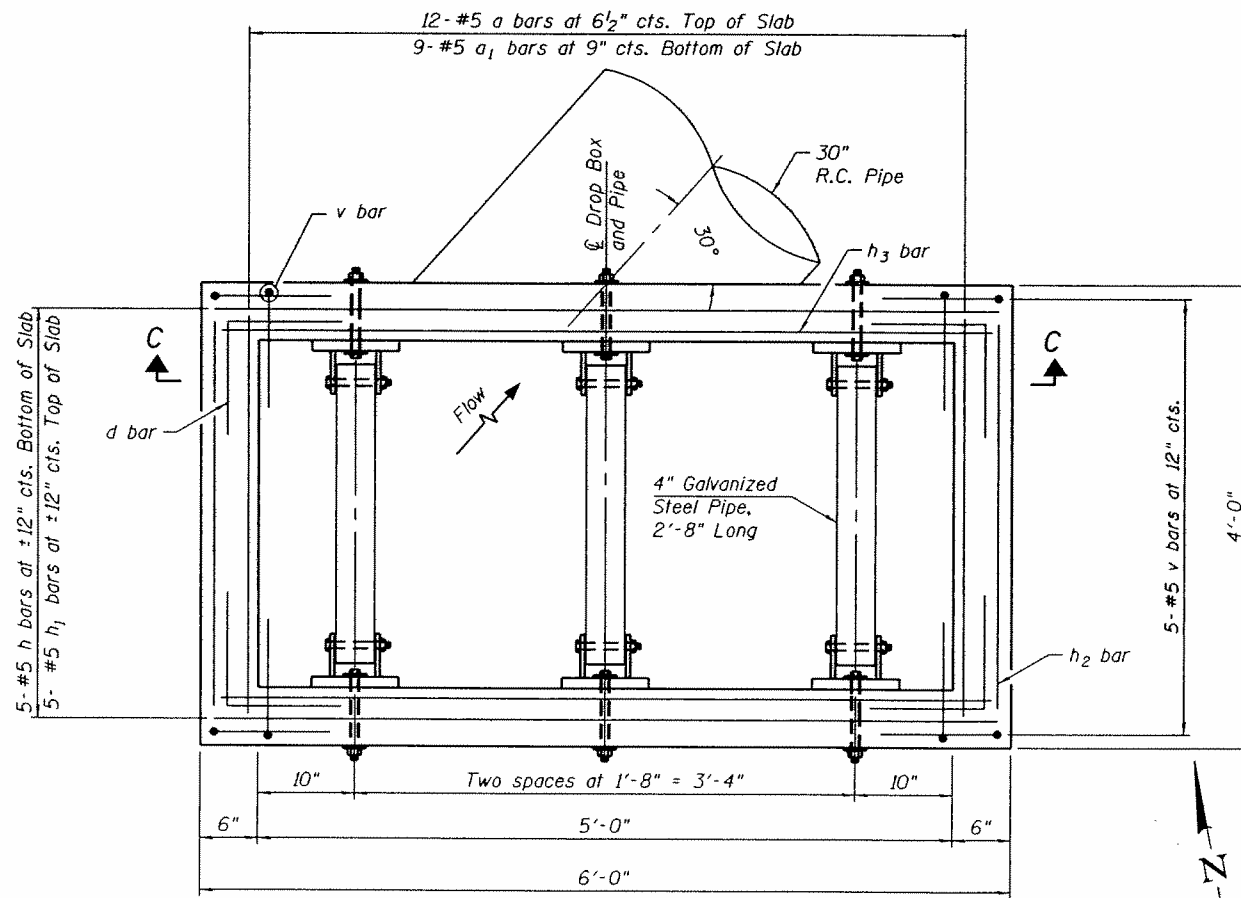


VIEW F-F

FILE NAME = S:\JUL_16300-6399\6346\071\Micro\Structural Sheets\6425_Sheet_04.dgn



LONG. SECTION



PLAN

GENERAL NOTES:

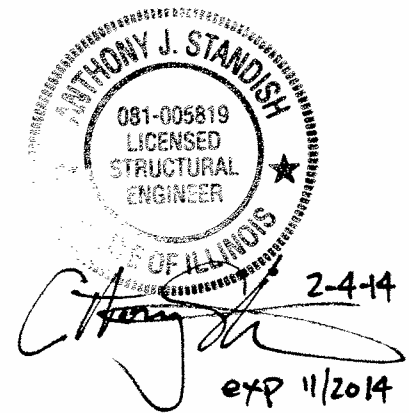
1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. All exposed concrete edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.
3. All construction joints shall be bonded.
4. The contract unit price "Each" for Drop Box No. 3 shall include the Concrete Structures, Reinforcement Bars, earth excavation where required, backfilling and necessary grading to fit the structure as shown, or to the slope.
5. The contract unit price "Foot" for Traversable Pipe Grate shall include the steel pipe grate system, steel plates, bolts, nuts and washers.
6. Steel pipes shall conform to ASTM A-53 (Type E or S) Grade B, Schedule 40 and shall be galvanized conforming to ASTM A-120.
7. Steel plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.
8. Bolts, nuts and washer shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.
9. Contractor shall field verify galvanized pipe length.
10. The minimum distance from the center of a hole to the free edge of a structural shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.
11. Bolts shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
12. This work shall be done according to the application portions of 501, 503, 505, 508 and 540 of the Standard Specifications.
13. Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
14. Contractor to confirm that a minimum allowable gross bearing pressure equal to 2000 PSF can be achieved prior to construction of Drop Box structure.
15. Backfilling and future excavations shall be performed equally on all sides of the structure.

DESIGN STRESSES

FIELD UNITS
 $f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

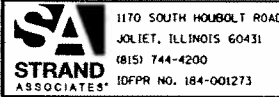
BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drop Box No. 3	Each	1
Traversable Pipe Grate	Foot	8



PLAN & ELEVATION
DROP BOX NO. 3
U.S. 6 STATION 208+75.00 RT

FILE NAME = S:\JDL\13288-6399\6346\071\Micro\CA00_Sheets\Structural_Sheets\64725_Sheet_05.dgn



USER NAME	johnkp
DESIGNED	MJD
CHECKED	RRD
DRAWN	BJF
CHECKED	RRD
PLOT SCALE	
PLOT DATE	2/4/2014

DESIGNED	MJD	REVISED	
CHECKED	RRD	REVISED	
DRAWN	BJF	REVISED	
CHECKED	RRD	REVISED	

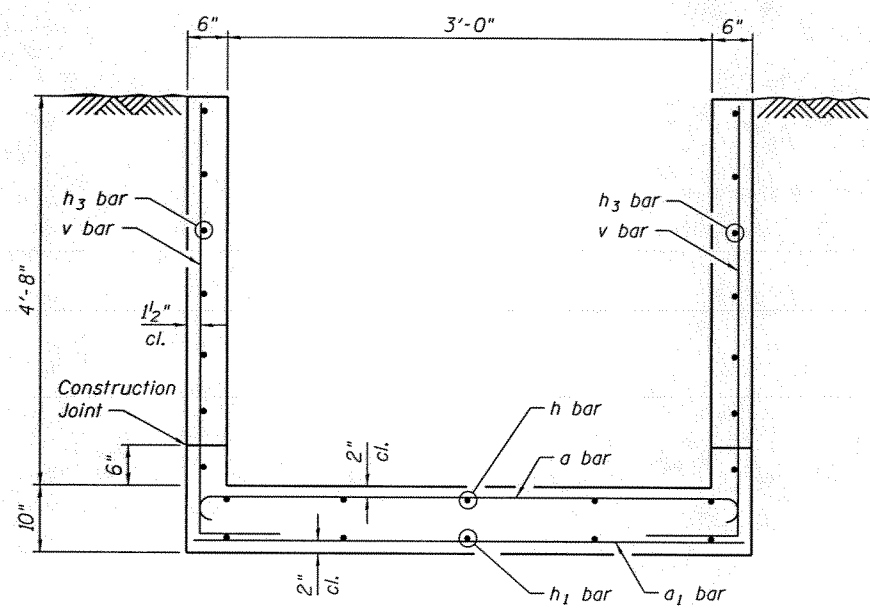
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PLAN AND ELEVATION
DROP BOX NO. 3

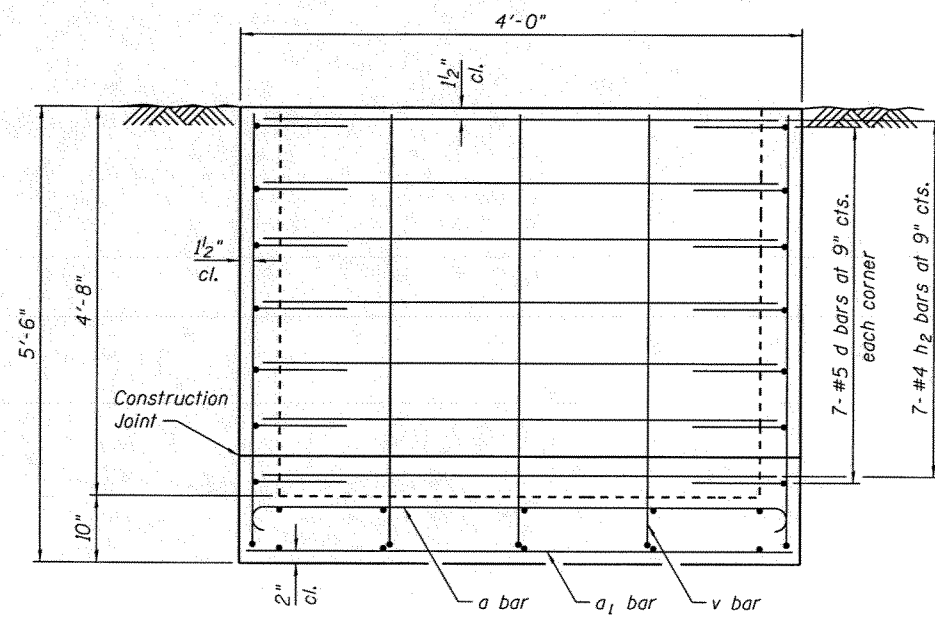
SHEET NO. 55 OF 510 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	2R-1	HENRY	285	53
			CONTRACT NO. 64713	

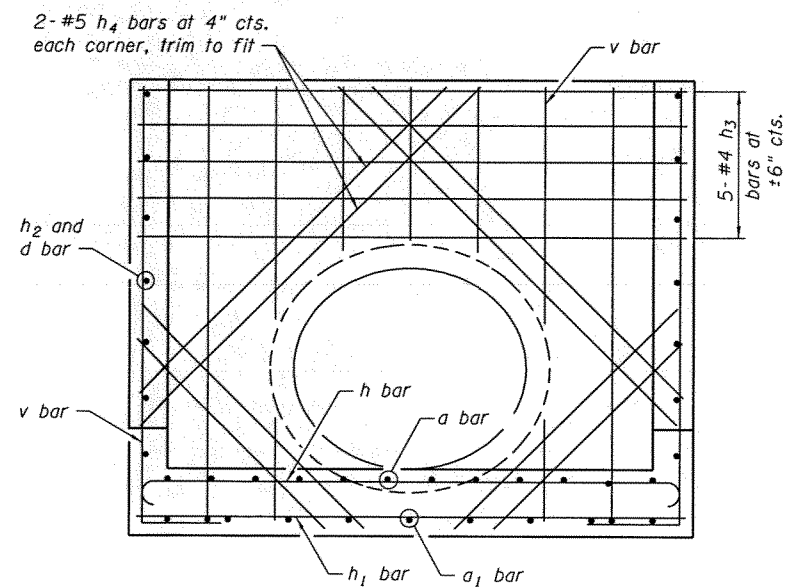
ILLINOIS FED. AID PROJECT



SECTION A-A

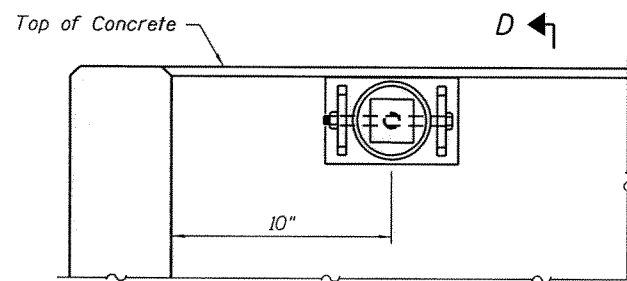


VIEW B-B

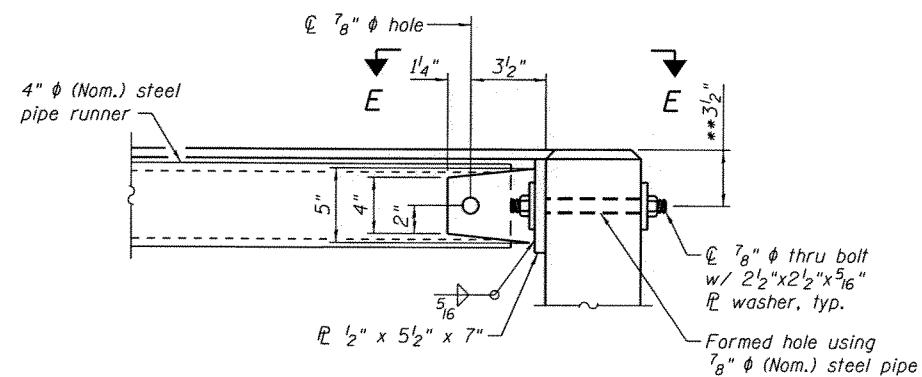


SECTION C-C

Trim v and h4 bars around pipe opening

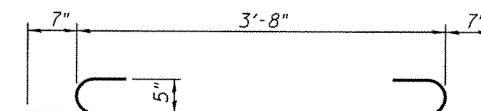


DETAIL A

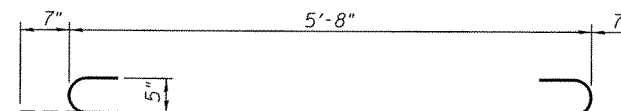


SECTION D-D

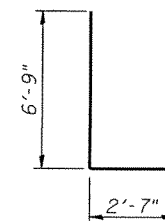
**Measured perpendicular to top of sidewall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert extension with drop box



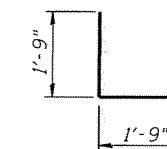
BAR a



BAR h



BAR v



BAR d

BILL OF MATERIAL
(For Information Only)

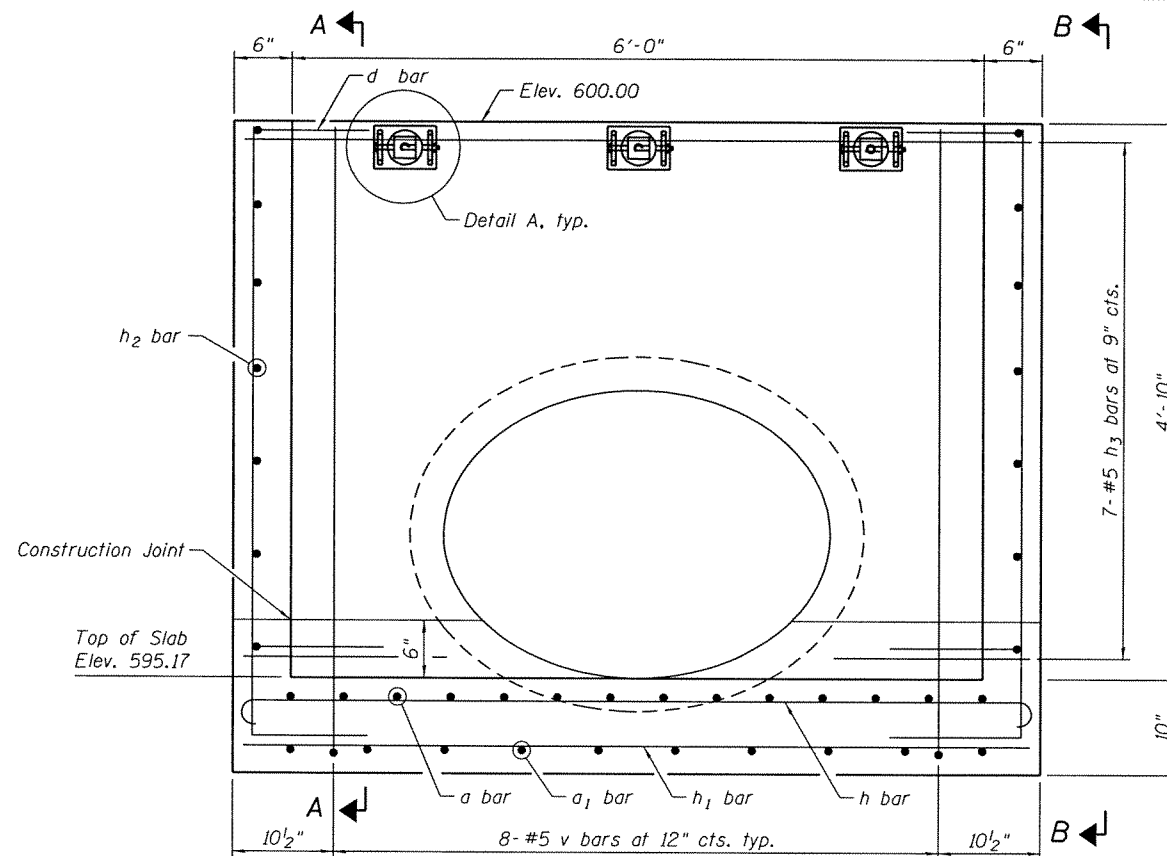
Bar	No.	Size	Length	Shape
a	12	#5	4'-10"	U
a1	9	#5	3'-8"	—
d	28	#4	3'-6"	L
h	5	#5	6'-10"	U
h1	5	#5	5'-8"	—
h2	14	#4	3'-8"	—
h3	12	#4	5'-8"	—
h4	8	#5	4'-3"	—
v	24	#5	7'-9"	L
DESCRIPTION				
		UNIT	QTY.	
Concrete Box Culverts		Cu. Yd.	2.0	
Reinforcement Bars		Pound	540	
4" Galv. Steel Pipe		3 @	2'-8"	
Side Assembly		Each	6	

* Included in Drop Box No. 3

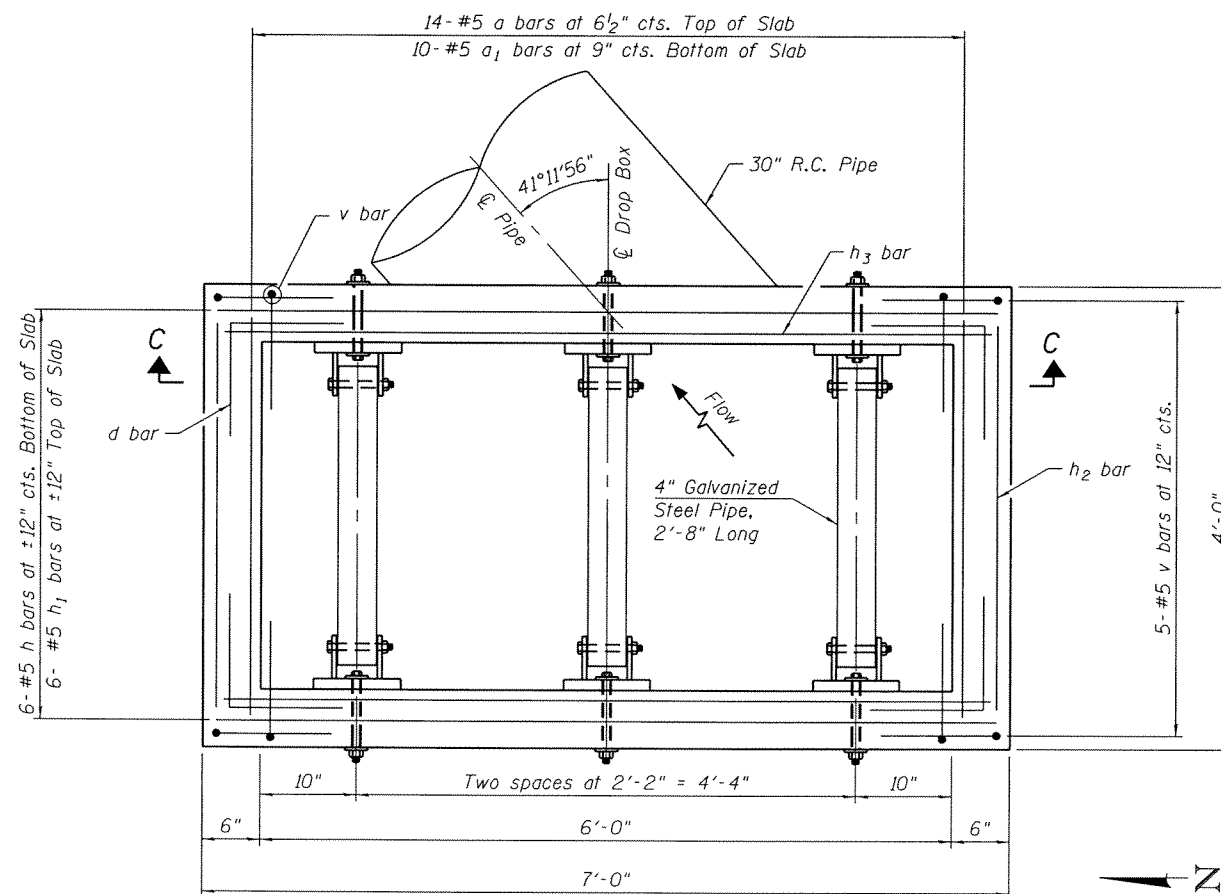
** Included in Traversable Pipe Gate with all hardware and steel for Assemblies

PLAN & ELEVATION
DROP BOX NO. 3
U.S. 6 STATION 208+75.00 RT

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LONG. SECTION



PLAN

GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. All exposed concrete edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.
3. All construction joints shall be bonded.
4. The contract unit price "Each" for Drop Box No. 4 shall include the Concrete Structures, Reinforcement Bars, earth excavation where required, backfilling and necessary grading to fit the structure as shown, or to the slope.
5. The contract unit price "Foot" for Traversable Pipe Grate shall include the steel pipe grate system, steel plates, bolts, nuts and washers.
6. Steel pipes shall conform to ASTM A-53 (Type E or S) Grade B, Schedule 40 and shall be galvanized conforming to ASTM A-120.
7. Steel plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.
8. Bolts, nuts and washer shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.
9. Contractor shall field verify galvanized pipe length.
10. The minimum distance from the center of a hole to the free edge of a structural shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.
11. Bolts shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
12. This work shall be done according to the application portions of 501, 503, 505, 508 and 540 of the Standard Specifications.
13. Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
14. Contractor to confirm that a minimum allowable gross bearing pressure equal to 2000 PSF can be achieved prior to construction of Drop Box structure.
15. Backfilling and future excavations shall be performed equally on all sides of the structure.

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drop Box No. 4	Each	1
Traversable Pipe Grate	Foot	8



[Signature] 2-4-14
 EXP 11/2014

PLAN & ELEVATION
DROP BOX NO. 4
 IL. 84 STATION 10+28.00 LT

FILE NAME = S:\JULI\6308-6399\6346\071\MicroStation\CADD_Sheets\64725_Sheet_07.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOBOLT ROAD
 JULIET, ILLINOIS 60431
 (815) 744-4200
 IDFFR NO. 184-001273

USER NAME jahnkp
 DESIGNED - MJD
 CHECKED - RRD
 DRAWN - BJF
 CHECKED - RRD
 PLOT SCALE
 PLOT DATE 2/4/2014

DESIGNED - MJD
 CHECKED - RRD
 DRAWN - BJF
 CHECKED - RRD
 REVISED
 REVISED
 REVISED
 REVISED

REVISED
 REVISED
 REVISED
 REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

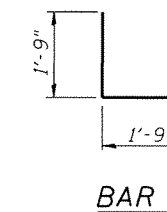
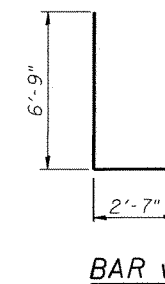
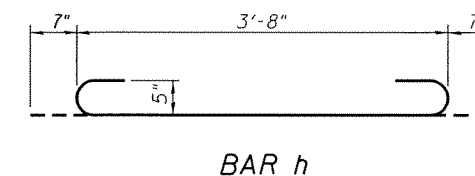
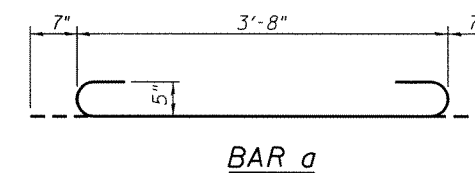
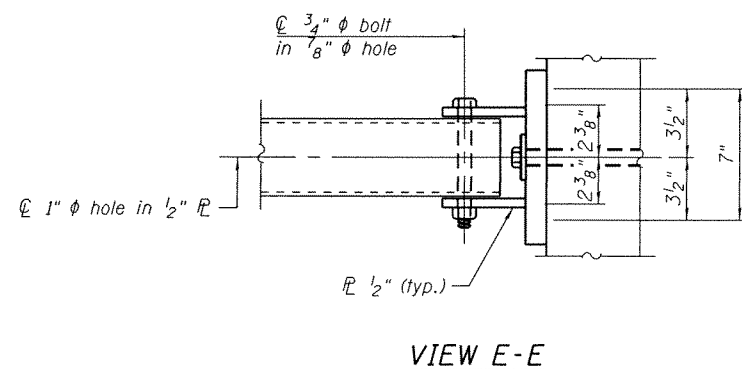
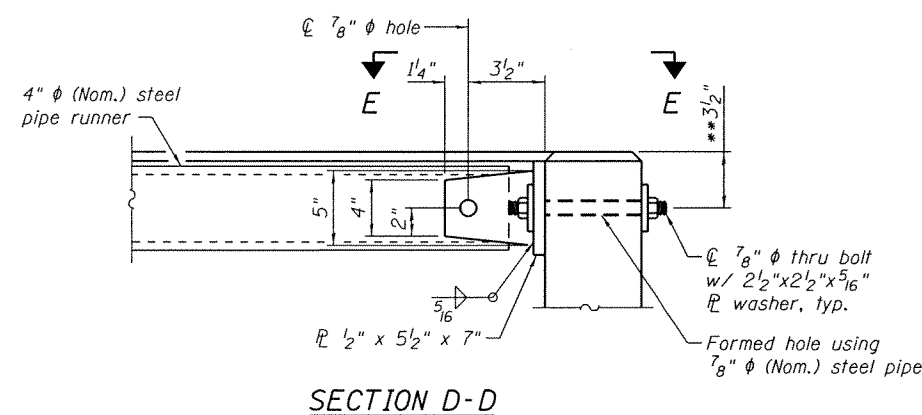
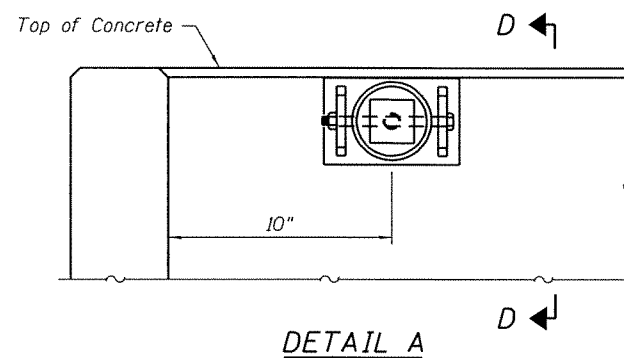
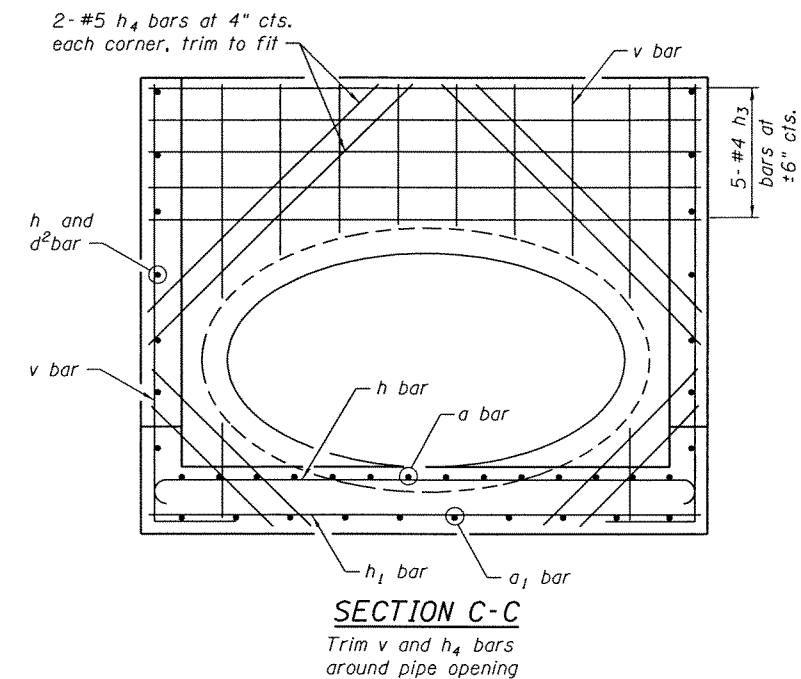
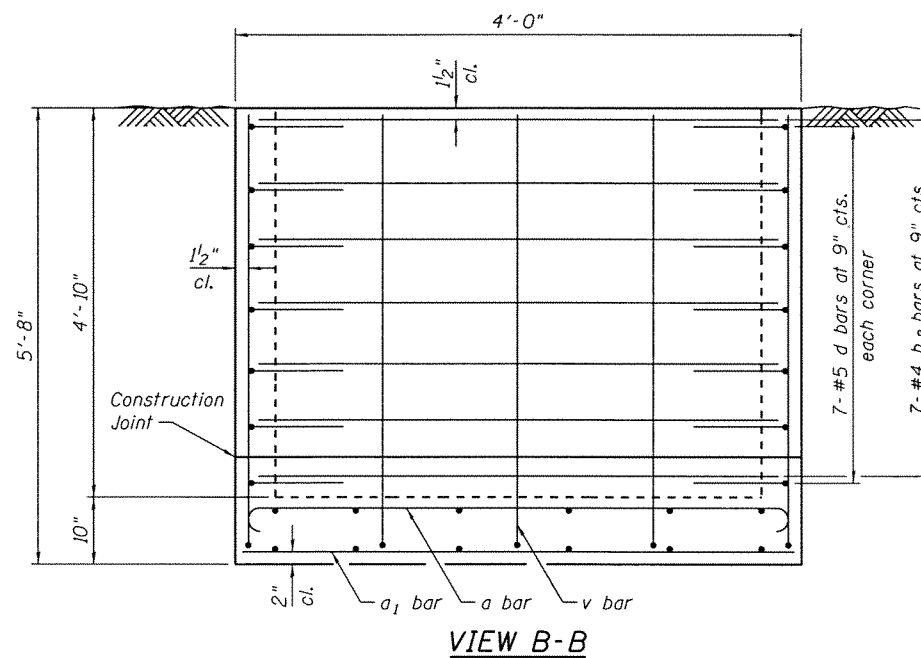
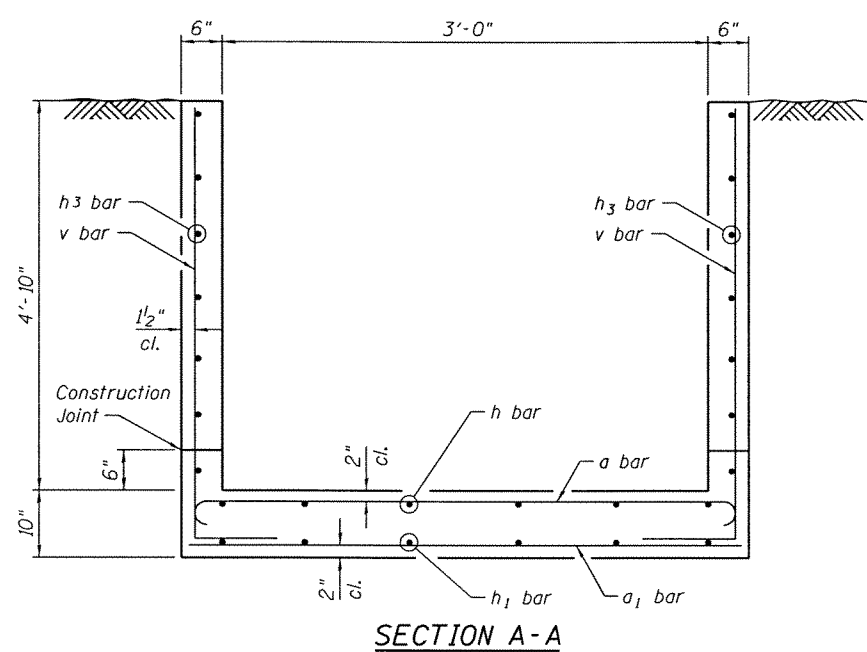
PLAN AND ELEVATION
DROP BOX NO. 4

SHEET NO. 57 OF 510 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5851	2R-1	HENRY	235	55

CONTRACT NO. 64743

ILLINOIS FED. AID PROJECT



BILL OF MATERIAL
(For Information Only)

Bar	No.	Size	Length	Shape
a	14	#5	4'-10"	U
a ₁	10	#5	3'-8"	—
d	28	#4	3'-6"	L
h	5	#5	7'-10"	U
h ₁	5	#5	6'-8"	—
h ₂	14	#4	3'-8"	—
h ₃	12	#4	6'-8"	—
h ₄	8	#5	5'-1"	—
v	26	#5	9'-4"	L

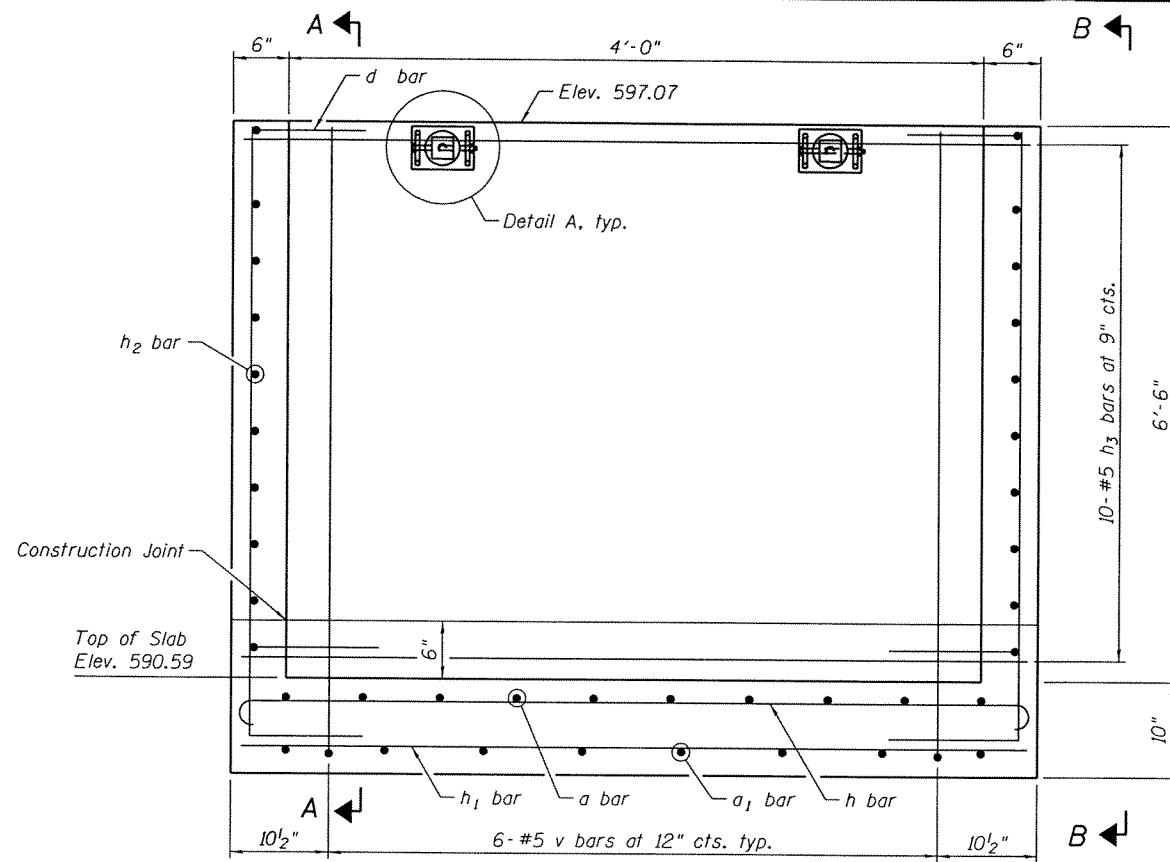
DESCRIPTION	UNIT	QTY.
* Concrete Box Culverts	Cu. Yd.	3.0
* Reinforcement Bars	Pound	595
** 4" Galv. Steel Pipe	3 @	2'-8"
** Side Assembly	Each	6

* Included in Drop Box No. 4

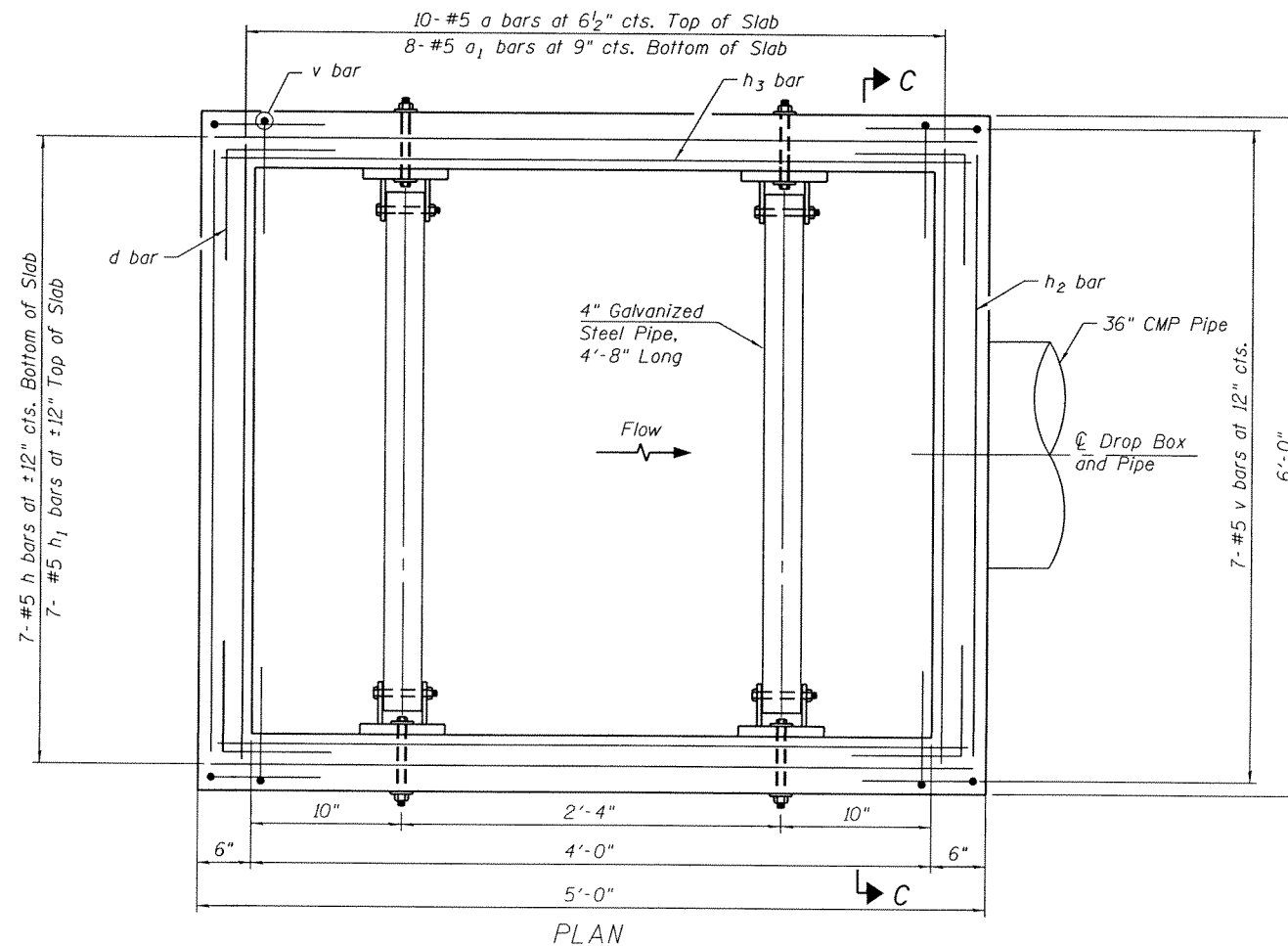
** Included in Traversable Pipe Grate with all hardware and steel for Assemblies

PLAN & ELEVATION
DROP BOX NO. 4
IL. 84 STATION 10+28.00 LT

FILE NAME = S:\JDL\63300--6399\6346\071\Micros\ACAD\Sheets\Structural\Sheets\61425_Sheet_08.dgn



LONG. SECTION



PLAN

GENERAL NOTES:

1. Reinforcement bars shall conform to the requirements of ASTM A 706 Gr 60.
2. All exposed concrete edges shall be chamfered $\frac{3}{4}$ " unless otherwise noted.
3. All construction joints shall be bonded.
4. The contract unit price "Each" for Drop Box No. 5 shall include the Concrete Structures, Reinforcement Bars, earth excavation where required, backfilling and necessary grading to fit the structure as shown, or to the slope.
5. The contract unit price "Foot" for Traversable Pipe Grate shall include the steel pipe grate system, steel plates, bolts, nuts and washers.
6. Steel pipes shall conform to ASTM A-53 (Type E or S) Grade B, Schedule 40 and shall be galvanized conforming to ASTM A-120.
7. Steel plates shall conform to AASHTO M-183 and shall be galvanized conforming to AASHTO M-111.
8. Bolts, nuts and washer shall be in accordance with Article 1006.08 of the Standard Specifications and shall be galvanized.
9. Contractor shall field verify galvanized pipe length.
10. The minimum distance from the center of a hole to the free edge of a structural shape or plate shall be $1\frac{1}{2}$ " unless noted otherwise.
11. Bolts shall be snug tightened by a few impacts of an impact wrench or the full force of a worker using an ordinary spud wrench.
12. This work shall be done according to the application portions of 501, 503, 505, 508 and 540 of the Standard Specifications.
13. Fabrication of the Steel Pipe Grate System shall conform to the requirements in Section 505 of the Standard Specifications unless noted otherwise.
14. Contractor to confirm that a minimum allowable gross bearing pressure equal to 2000 PSF can be achieved prior to construction of Drop Box structure.
15. Backfilling and future excavations shall be performed equally on all sides of the structure.

DESIGN STRESSES

FIELD UNITS

$f'_c = 3,500$ psi
 $f_y = 60,000$ psi (Reinforcement)

BILL OF MATERIAL

ITEM	UNIT	TOTAL
Drop Box No. 5	Each	1
Traversable Pipe Grate	Foot	10

Handwritten signature and date: *[Signature]* 08-14-14
 exp. 11/2014

PLAN & ELEVATION
DROP BOX NO. 5
COLONA HEIGHTS STATION 10+61.00 LT

FILE NAME = S:\JDL\6388--6399\6346.071\Micro\CA\DD_Sheets\61425_Sheet_09.dgn

SA STRAND ASSOCIATES
 1170 SOUTH HOUBOLT ROAD
 JOLIET, ILLINOIS 60431
 (815) 744-4200
 IDPPR NO. 184-001273

USER NAME Johnkp
 DESIGNED - MJD
 CHECKED - RRD
 DRAWN - BJF
 PLOT DATE 2/4/2014

REVISOR
 REVISION
 REVISION
 REVISION

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

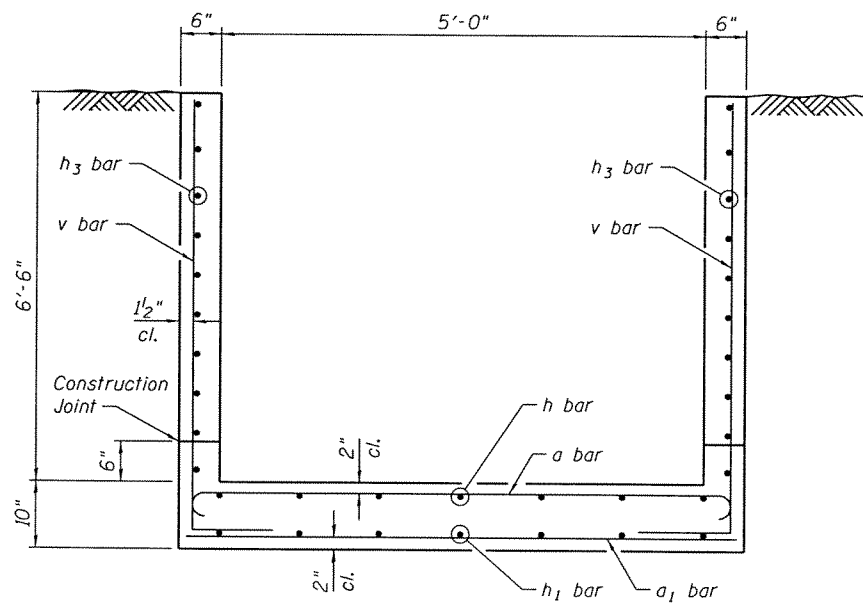
PLAN AND ELEVATION
DROP BOX NO. 5

SHEET NO. 59 OF 510 SHEETS

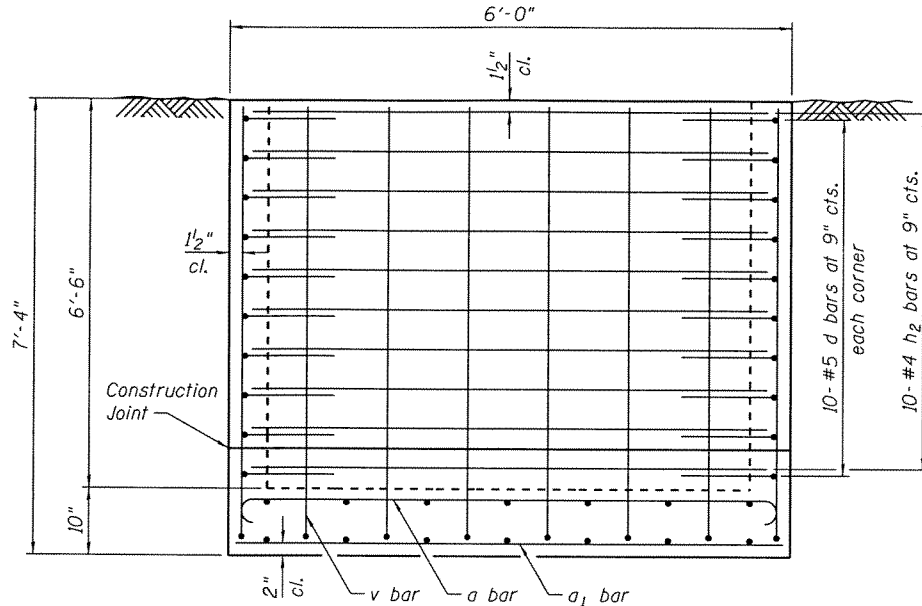
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	2R-1	HENRY	235	57

CONTRACT NO. 64773

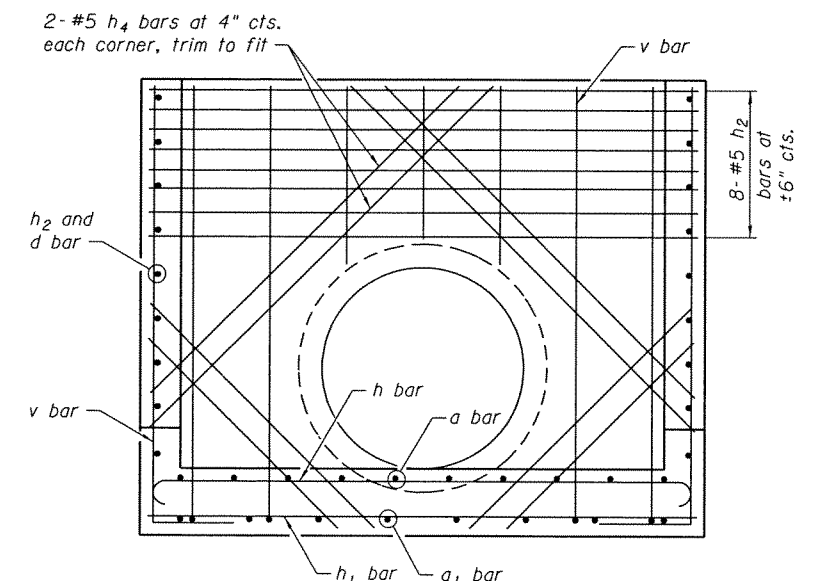
ILLINOIS FED. AID PROJECT



SECTION A-A

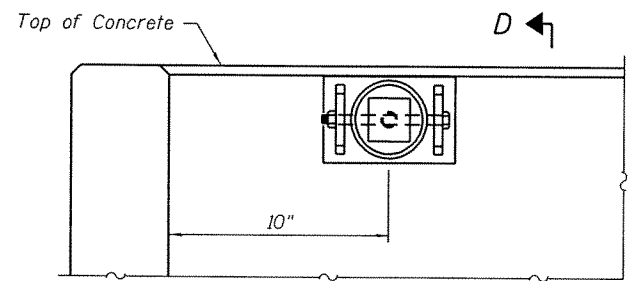


VIEW B-B

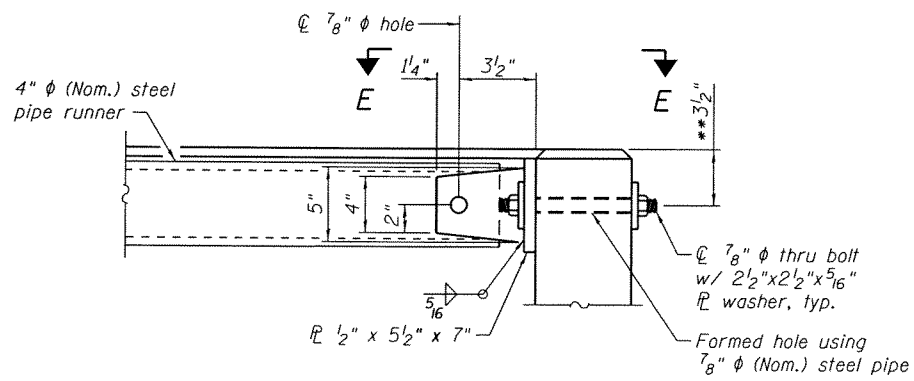


SECTION C-C

Trim v and h4 bars around pipe opening

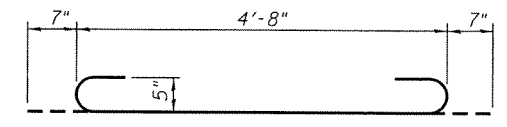


DETAIL A

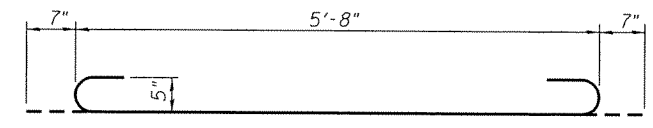


SECTION D-D

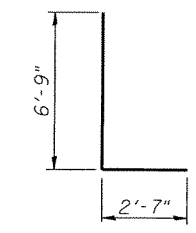
** Measured perpendicular to top of sidewall. In addition, formed hole shall be located a minimum of 6" measured horizontally from any vertical joints necessary for construction of the culvert extension with drop box



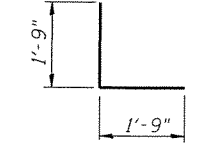
BAR a



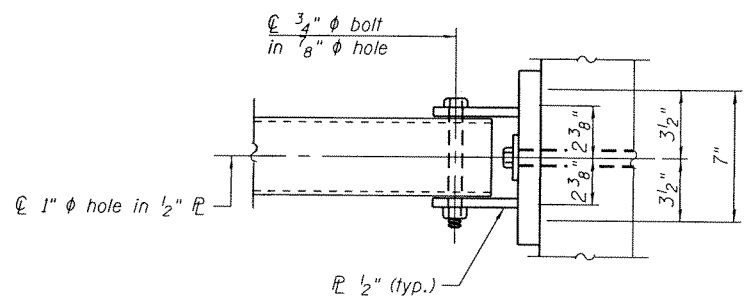
BAR h



BAR v



BAR d



VIEW E-E

BILL OF MATERIAL
(For Information Only)

Bar	No.	Size	Length	Shape
a	10	#5	7'-0"	U
a1	8	#5	5'-8"	—
d	40	#4	3'-6"	L
h	7	#5	5'-10"	U
h1	7	#5	4'-8"	—
h2	18	#4	5'-8"	—
h3	20	#4	4'-8"	—
h4	8	#5	6'-0"	—
v	26	#5	9'-7"	L

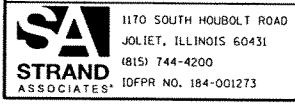
DESCRIPTION	UNIT	QTY.
* Concrete Box Culverts	Cu. Yd.	3.0
* Reinforcement Bars	Pound	730
** 4" Galv. Steel Pipe	2 @	4'-8"
** Side Assembly	Each	4

* Included in Drop Box No. 5

** Included in Traversable Pipe Grate with all hardware and steel for Assemblies

PLAN & ELEVATION
DROP BOX NO. 5
COLONA HEIGHTS STATION 10+61.00 LT

FILE NAME: S:\JUL\15300-6399\6346\071\Micro\Structural Sheets\64725_Sheet_18.dgn



1170 SOUTH HOBOLT ROAD JOLIET, ILLINOIS 60431 (815) 744-4200 IDFPR NO. 184-001273	USER NAME johnkp	DESIGNED - MJD	REVISED
		CHECKED - RRD	REVISED
		DRAWN - BJB	REVISED
		CHECKED - RRD	REVISED
			REVISED

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

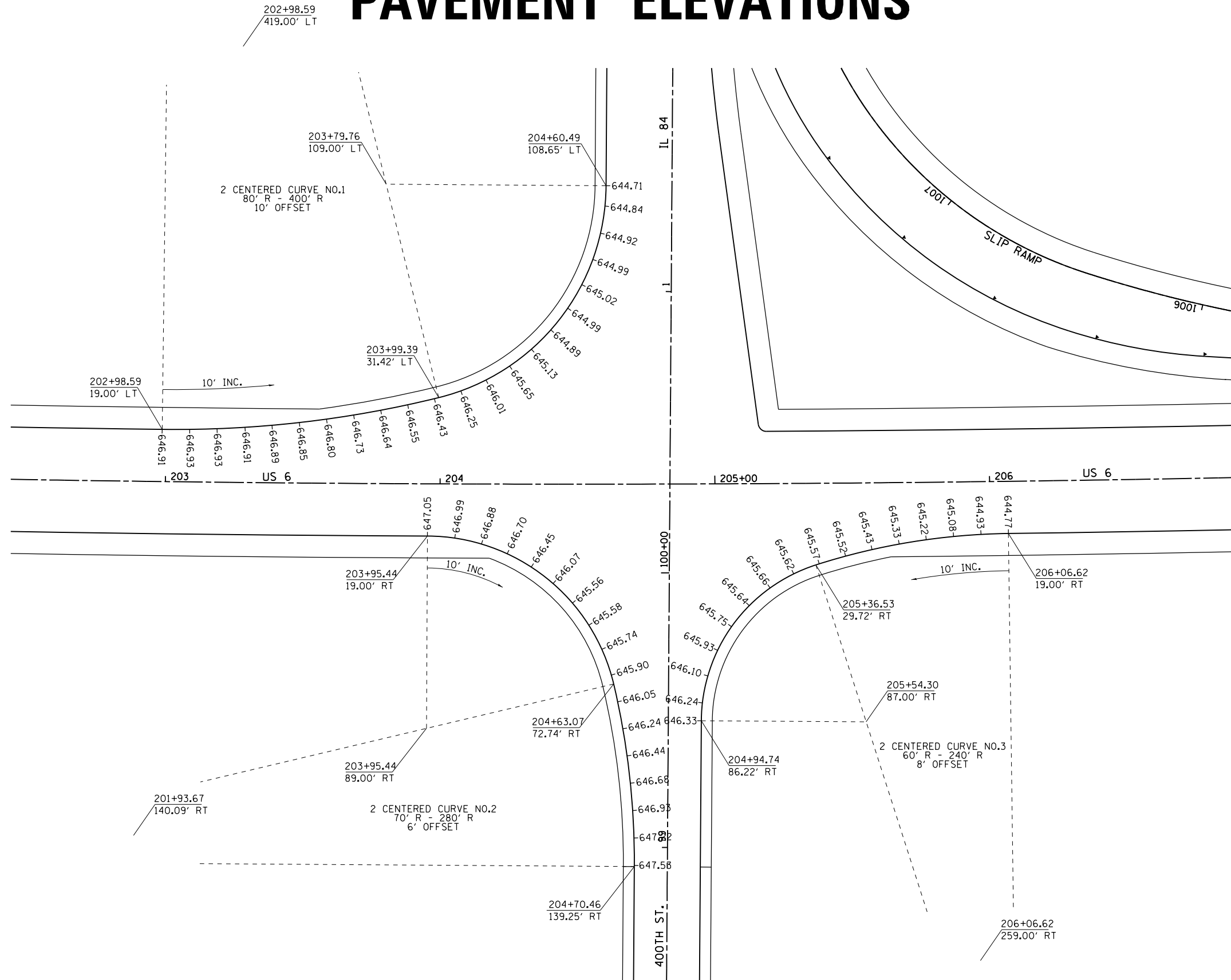
DETAILS
DROP BOX NO. 5

SHEET NO. 510 OF 510 SHEETS

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
5789	2R-1	HENRY	235	58
				CONTRACT NO. 64743

ILLINOIS FED. AID PROJECT

PAVEMENT ELEVATIONS



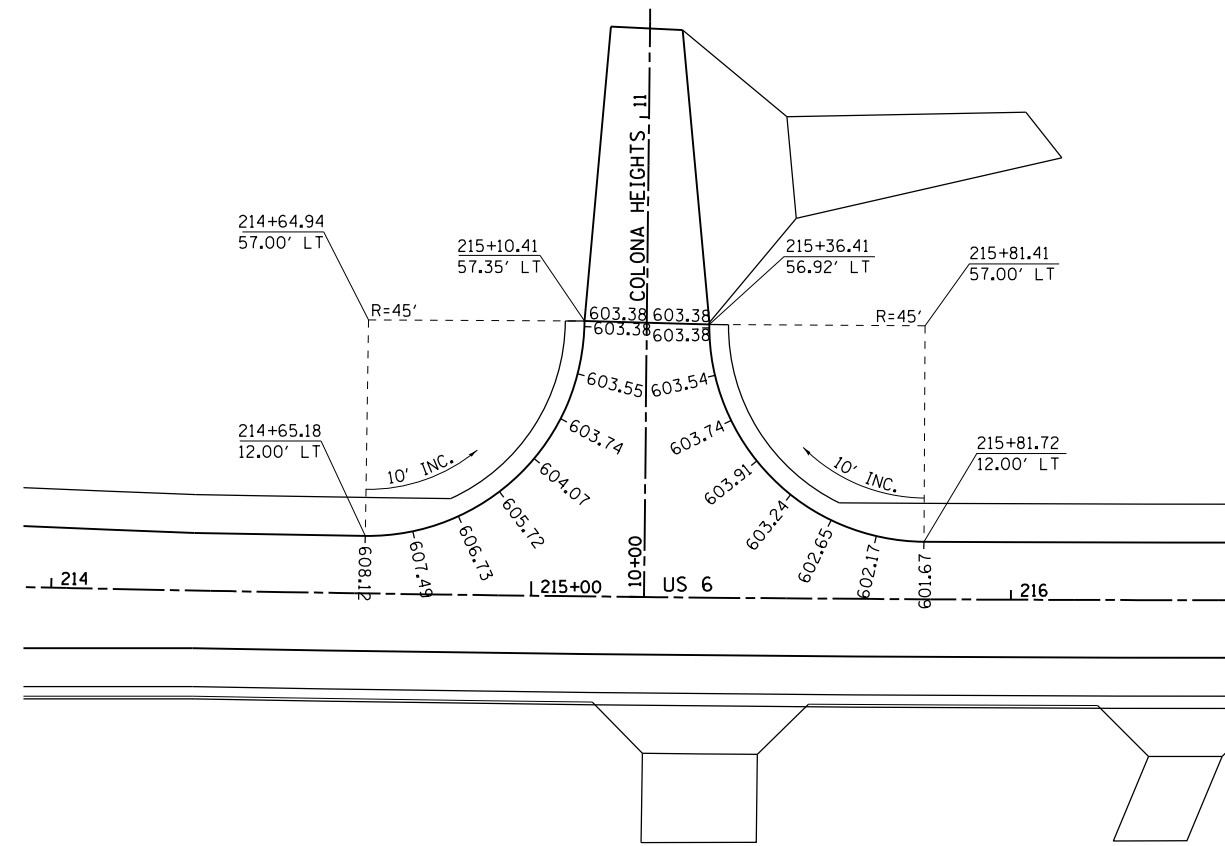
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	PLOT DATE = Fri Aug 01 11:09:59 2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

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

* 5789 & 5861			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	2R-1	HENRY	235
			SHEET NO. 59
CONTRACT NO. 64J43			
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			
* 5789 & 5861			

PAVEMENT ELEVATIONS



FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
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	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 11:10:24 2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT ELEVATIONS

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

* 5789 & 5861

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	60
CONTRACT NO. 64J43				
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

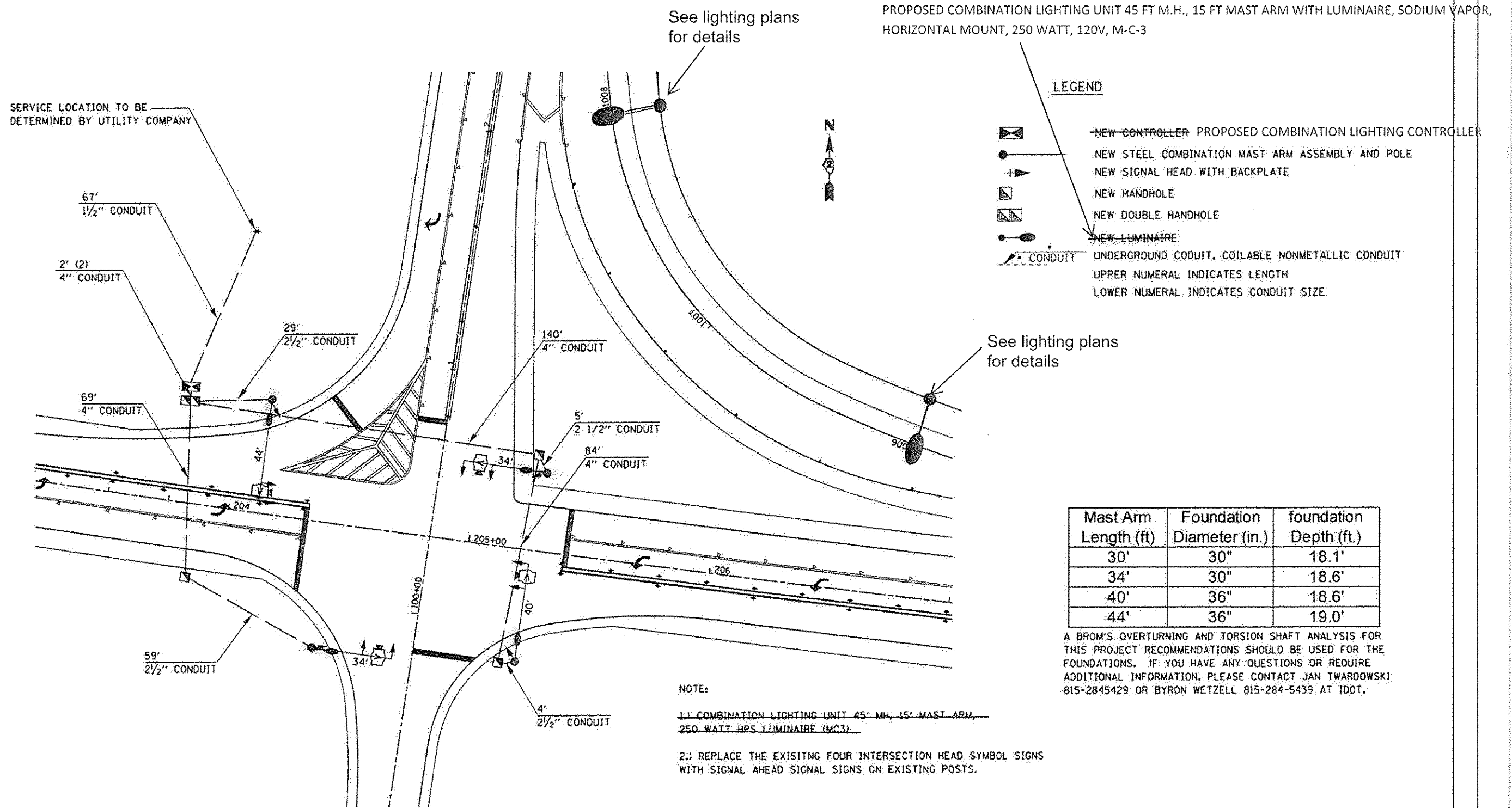
TRAFFIC SIGNAL TABULATION OF QUANTITIES			
PAY CODE	ITEM	UNIT	TOTAL
72000100	SIGN PANEL - TYPE 1	SQ FT	48
72000200	SIGN PANEL - TYPE 2	SQ FT	35
80500100	SERVICE INSTALLATION, TYPE A	EACH	1
81400700	HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	3
81400720	DOUBLE HANDHOLE, PORTLAND CEMENT CONCRETE	EACH	1
81603035	UNIT DUCT, 600V, 2-1C No. 6 1/C No. 6 GROUND, (XLP-TYPE USE) 1" DIA., POLYETHYLENE	FOOT	913
81702110	ELECTRIC CABLE IN CONDUIT, 600V (XLP TYPE USE) 1/C NO. 10	FOOT	1760
82102250	LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT	EACH	9*
PEDESTAL			
82500335	8250035 LIGHTING CONTROLLER, PEDESTAL MOUNTED, 240 VOLT, 100 AMP	EACH	1
83003600	LIGHT POLE, ALUMINUM, 45 FT. MH., 15 FT. DAVIT ARM	EACH	5
83600300	LIGHT POLE FOUNDATION, 30" DIAMETER	FOOT	30
83800205	BREAKAWAY DEVICE, TRANSFORMER BASE, 15 INCH BOLT CIRCLE	EACH	5
85700200	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
86200200	UNINTERRUPTIBLE POWER SUPPLY, STANDARD	EACH	1
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 5C	FOOT	1252
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL, NO. 14 7C	FOOT	790
87301815	ELECTRIC CABLE IN CONDUIT, SERVICE, NO 6 3C	FOOT	85
87702900	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 34 FT	EACH	2

87702930	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 40 FT	EACH	1
87702950	STEEL COMBINATION MAST ARM ASSEMBLY AND POLE 44 FT	EACH	1
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	3
87800400	CONCRETE FOUNDATION, TYPE E, 30-INCH DIAMETER	FOOT	37
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	38
88040090	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	4
88040110	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	2
88040120	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
88040150	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, BRACKET MOUNTED	EACH	2
88040160	SIGNAL HEAD, POLYCARBONATE, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	8
87301900	ELECTRIC CABLE IN CONDUIT, GROUND, NO. 6 1C (GREEN)	FOOT	435
81028740	UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 1 1/2" DIA.	FOOT	80
81028760	UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 2 1/2" DIA.	FOOT	97
81028790	UNDERGROUND CONDUIT, COILABLE, COILABLE NONMETALLIC CONDUIT 4" DIA.	FOOT	297
X8210425	LUMINAIRE, STREET LIGHTING, HIGH PRESSURE SODIUM VAPOR, 250 WATT, 240 VOLT	EACH	5
X8250505	LIGHTING CONTROLLER SPECIAL	EACH	1
Z0033072	VIDEO VEHICLE DETECTOR SYSTEM	EACH	1

* Four luminaires are 120V and five luminaire are 240V.

FILE NAME	USER NAME	DESIGNED	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TABULATION OF TRAFFIC SIGNALS AND LIGHTING		F.A.U. RTL.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		DRAWN	REVISED				#	2R-1	HENRY	235	61
		CHECKED	REVISED		CONTRACT NO. 64J43						
		DATE	REVISED		SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.

SERVICE LOCATION TO BE DETERMINED BY UTILITY COMPANY










PROPOSED COMBINATION LIGHTING UNIT 45 FT M.H., 15 FT MAST ARM WITH LUMINAIRE, SODIUM VAPOR, HORIZONTAL MOUNT, 250 WATT, 120V, M-C-3

See lighting plans for details

See lighting plans for details

LEGEND

-  NEW CONTROLLER PROPOSED COMBINATION LIGHTING CONTROLLER
 -  NEW STEEL COMBINATION MAST ARM ASSEMBLY AND POLE
 -  NEW SIGNAL HEAD WITH BACKPLATE
 -  NEW HANDHOLE
 -  NEW DOUBLE HANDHOLE
 -  NEW LUMINAIRE
 -  UNDERGROUND CONDUIT, COILABLE NONMETALLIC CONDUIT
- UPPER NUMERAL INDICATES LENGTH
LOWER NUMERAL INDICATES CONDUIT SIZE

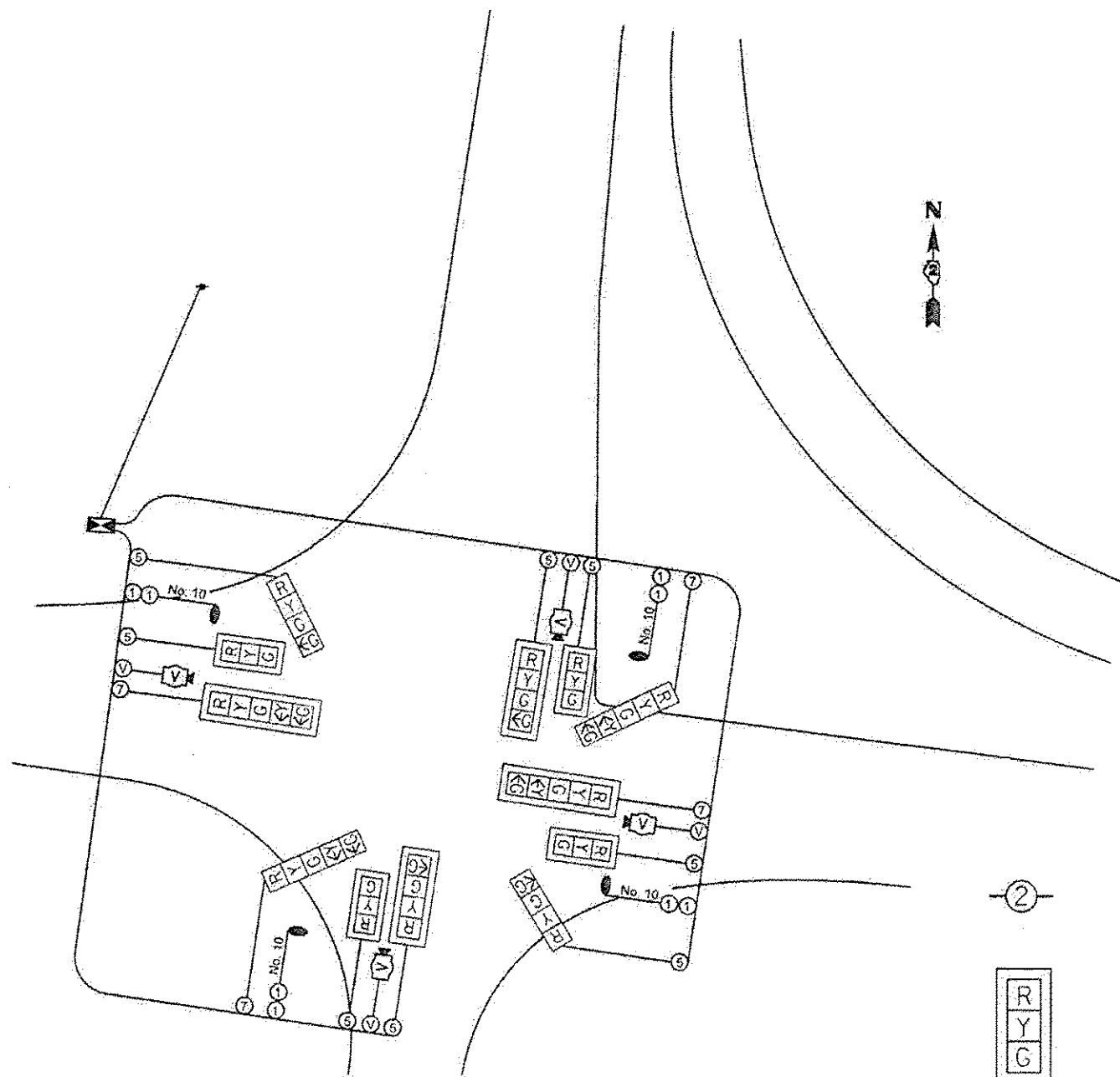
Mast Arm Length (ft)	Foundation Diameter (in.)	foundation Depth (ft.)
30'	30"	18.1'
34'	30"	18.6'
40'	36"	18.6'
44'	36"	19.0'

A BROM'S OVERTURNING AND TORSION SHAFT ANALYSIS FOR THIS PROJECT RECOMMENDATIONS SHOULD BE USED FOR THE FOUNDATIONS. IF YOU HAVE ANY QUESTIONS OR REQUIRE ADDITIONAL INFORMATION, PLEASE CONTACT JAN TWARDOWSKI 815-2845429 OR BYRON WETZELL 815-284-5439 AT IDOT.

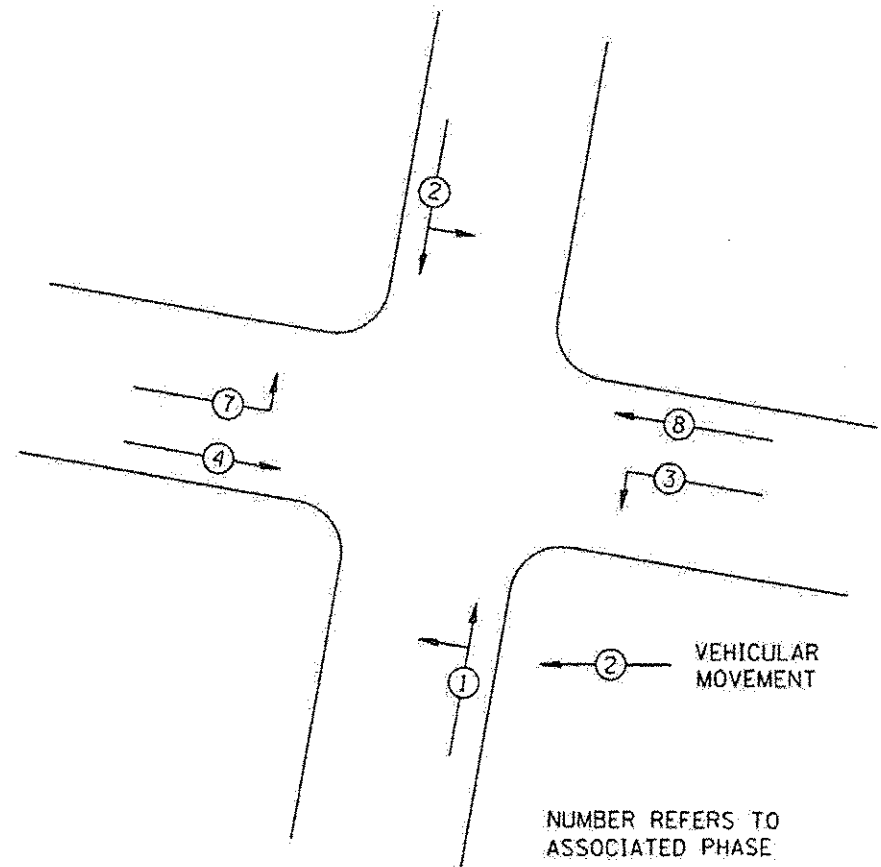
NOTE:

- 1.) COMBINATION LIGHTING UNIT 45' MH, 15' MAST ARM, 250 WATT HPS LUMINAIRE (M-C-3)
- 2.) REPLACE THE EXISTING FOUR INTERSECTION HEAD SYMBOL SIGNS WITH SIGNAL AHEAD SIGNAL SIGNS ON EXISTING POSTS.

FILE NAME: c:\pwworkspace\projects\1048561\1048561.dwg	USER NAME: jcustard	DESIGNED: -	REVISED: -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNALS PLANS		# 5789 & 5861		
PLOT SCALE: 1/8" = 1'-0"	CHECKED: -	REVISED: -	SECTION: 2R-1				COUNTY: HENRY	TOTAL SHEETS: 235	SHEET NO.: 62
PLOT DATE: Fri Aug 01 11:05:30 2014	DATE: -	REVISED: -	CONTRACT NO. 64J43				ILLINOIS FED. AID PROJECT		
SCALE: SHEET OF SHEETS STA. TO STA.									



PHASE DESIGNATION DIAGRAM



REFER TO STANDARD 857001

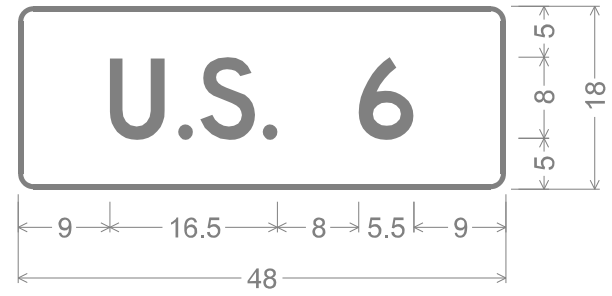
LEGEND

INDICATES NUMBER OF NEW CONDUCTORS.
ALL CABLE IS NO. 14 EXCEPT AS INDICATED.
"P" INDICATES PAIR CABLE

NEW SIGNAL HEAD WITH OR WITHOUT
BACKPLATE

SODIUM VAPOR,
LUMINAIRE, 250-WATT, 120V

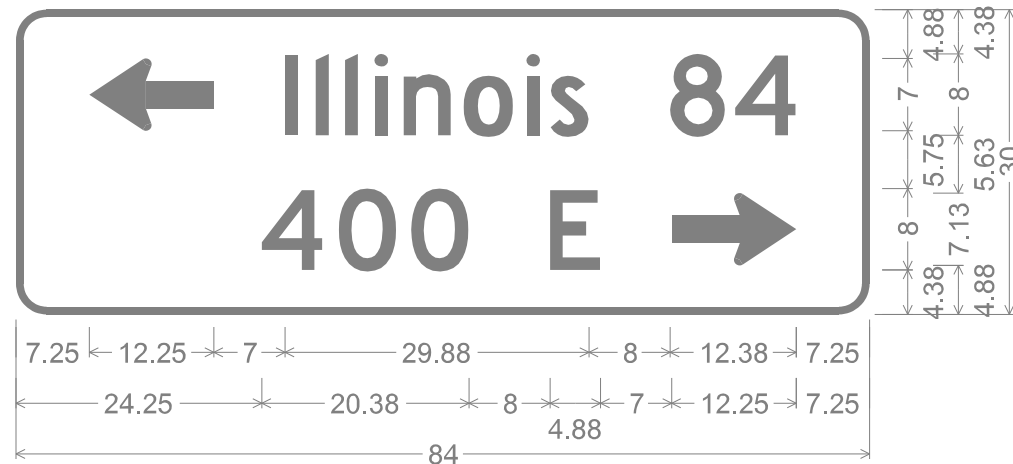
FILE NAME *	USER NAME * cshambw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	TRAFFIC SIGNAL CABLE PLANS		*S789 & 5861		
Drawn	Drawn	Checked	Revised				F.A.U. RTE.	SECTION	COUNTY
Plot	Plot	Checked	Revised		SCALE:	2R-1	HENRY	235	
Plot Date	Plot Date	Checked	Revised		SHEET OF SHEETS	STA. TO STA.	CONTRACT NO. 64J43		
								ILLINOIS FED. AID PROJECT	



1.50" Radius, 0.50" Border, White on Green;
[U.S. 6] D 2K;

Table of letter and object lefts.

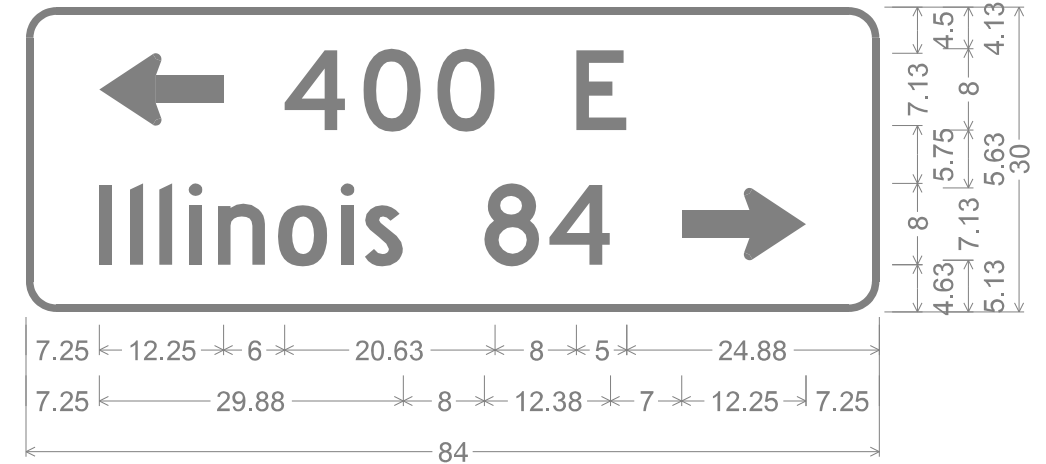
U	.	S	.	6
9.00	15.75	17.88	24.13	33.50



3.00" Radius, 0.75" Border, White on Green;
Standard Arrow Custom 12.25" X 7.13" 180°;
[Illinois 84] D 2K; [400 E] D 2K 90% spacing;
Standard Arrow Custom 12.25" X 7.13" 0°;

Table of letter and object lefts.

←	I	I	I	i	n	o	i	s
7.25	26.50	29.50	32.38	35.25	38.13	44.13	50.25	52.63
	8	4						
	64.38	70.75						
4	0	0	E	→				
24.25	31.75	38.88	52.63	64.50				



3.00" Radius, 0.75" Border, White on Green;
Standard Arrow Custom 12.25" X 7.13" 180°; [400 E] D 2K;
[Illinois 84] D 2K; Standard Arrow Custom 12.25" X 7.13" 0°;

Table of letter and object lefts.

←	4	0	0	E				
7.25	25.50	33.25	40.50	54.13				
I	I	I	i	n	o	i	s	
7.25	10.25	13.13	16.00	18.88	24.88	31.00	33.38	
	8	4	→					
	45.13	51.50	64.50					

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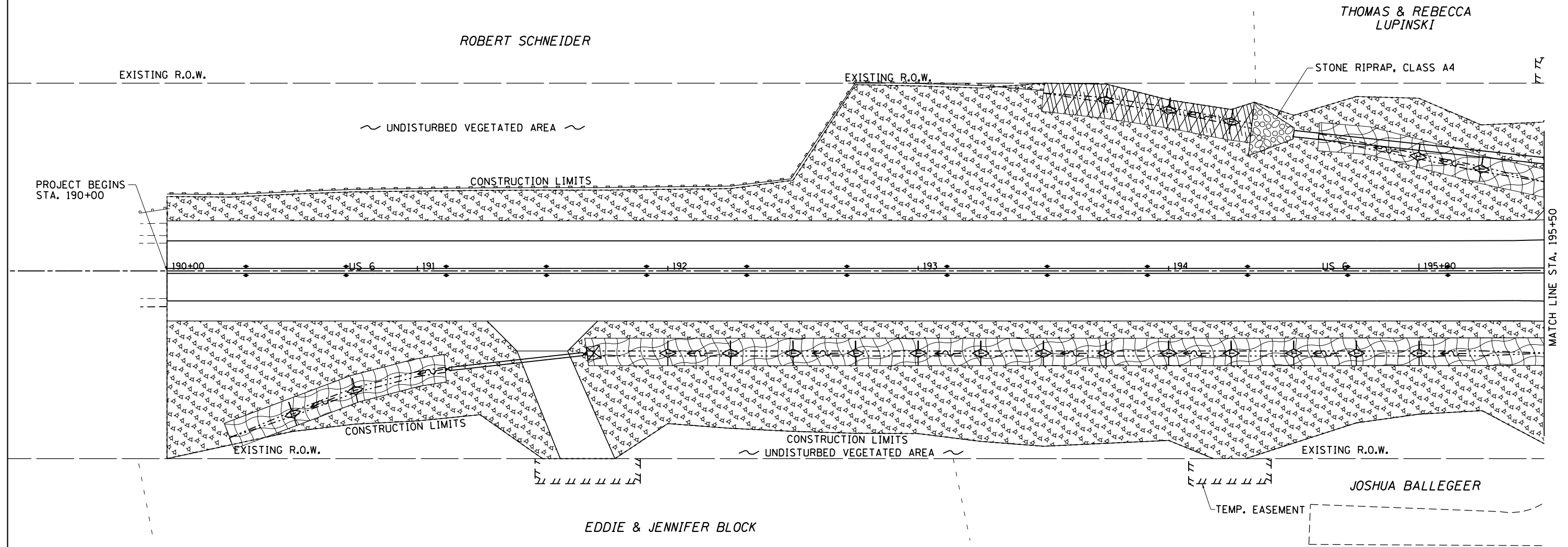
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

* 5789 & 5861			
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS
*	2R-1	HENRY	235
SCALE:			SHEET OF SHEETS
STA.		TO STA.	

STREET SIGNS

CONTRACT NO.	64J43
ILLINOIS FED. AID PROJECT	

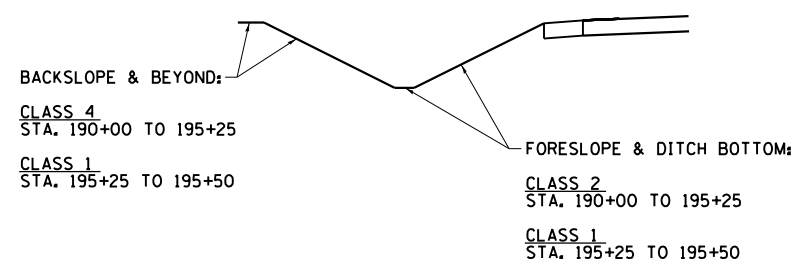
EROSION CONTROL



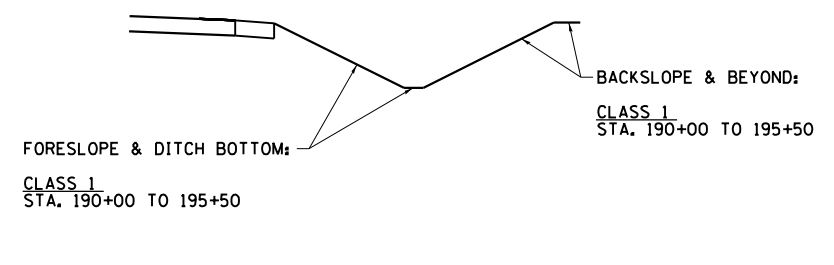
- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



SEEDING DETAIL - LEFT DITCH



SEEDING DETAIL - RIGHT DITCH



FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

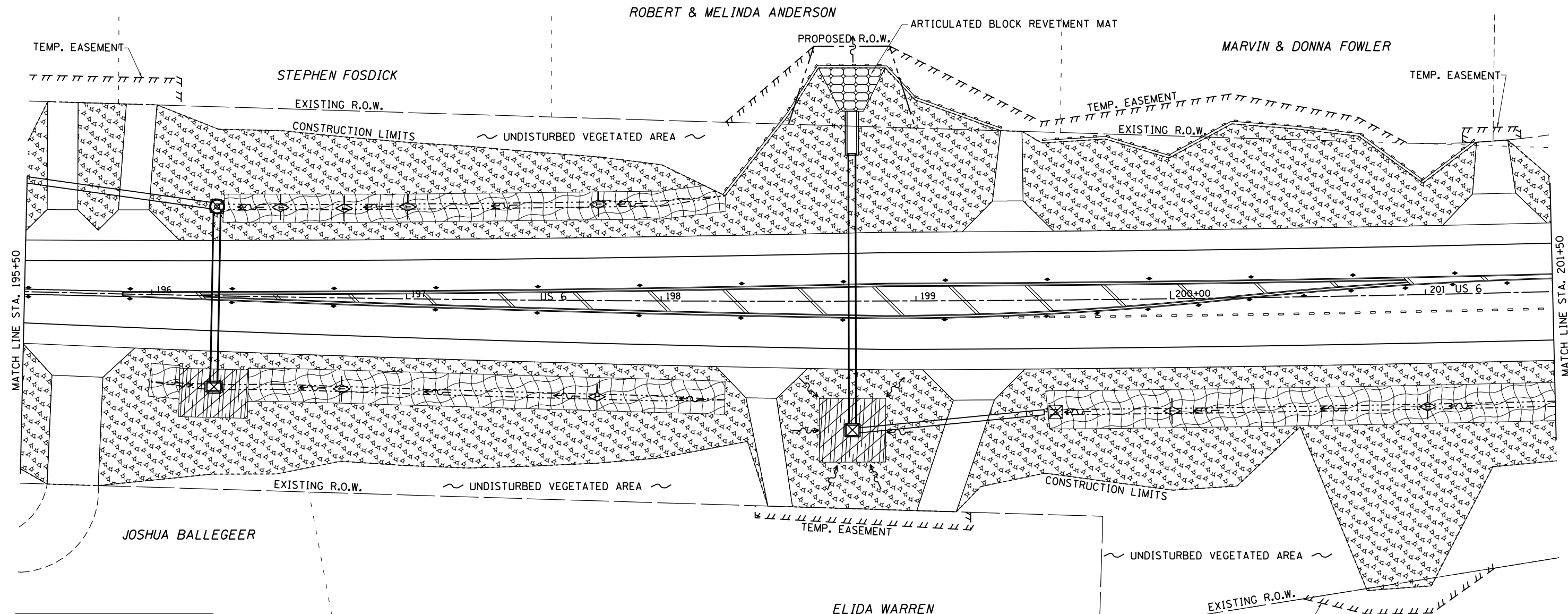
US 6
EROSION CONTROL DETAILS

SCALE:	SHEET	OF	SHEETS	STA.	TO	STA.
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F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	67
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J43	

* 5789 & 5861

EROSION CONTROL

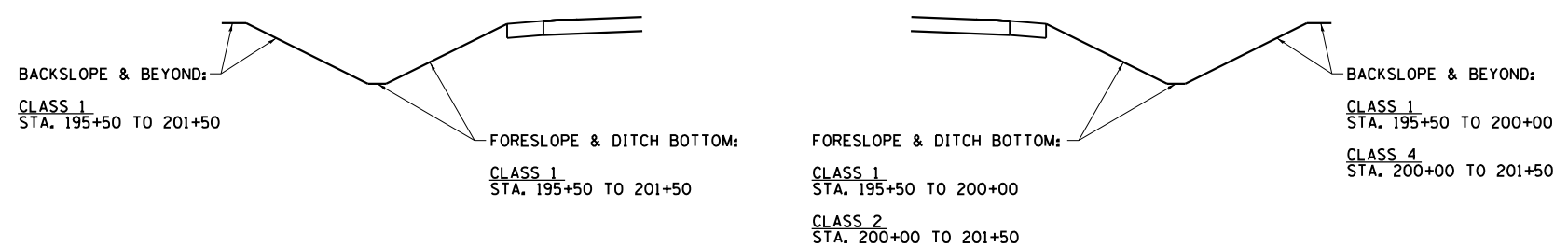


- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



SEEDING DETAIL - LEFT DITCH

SEEDING DETAIL - RIGHT DITCH



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

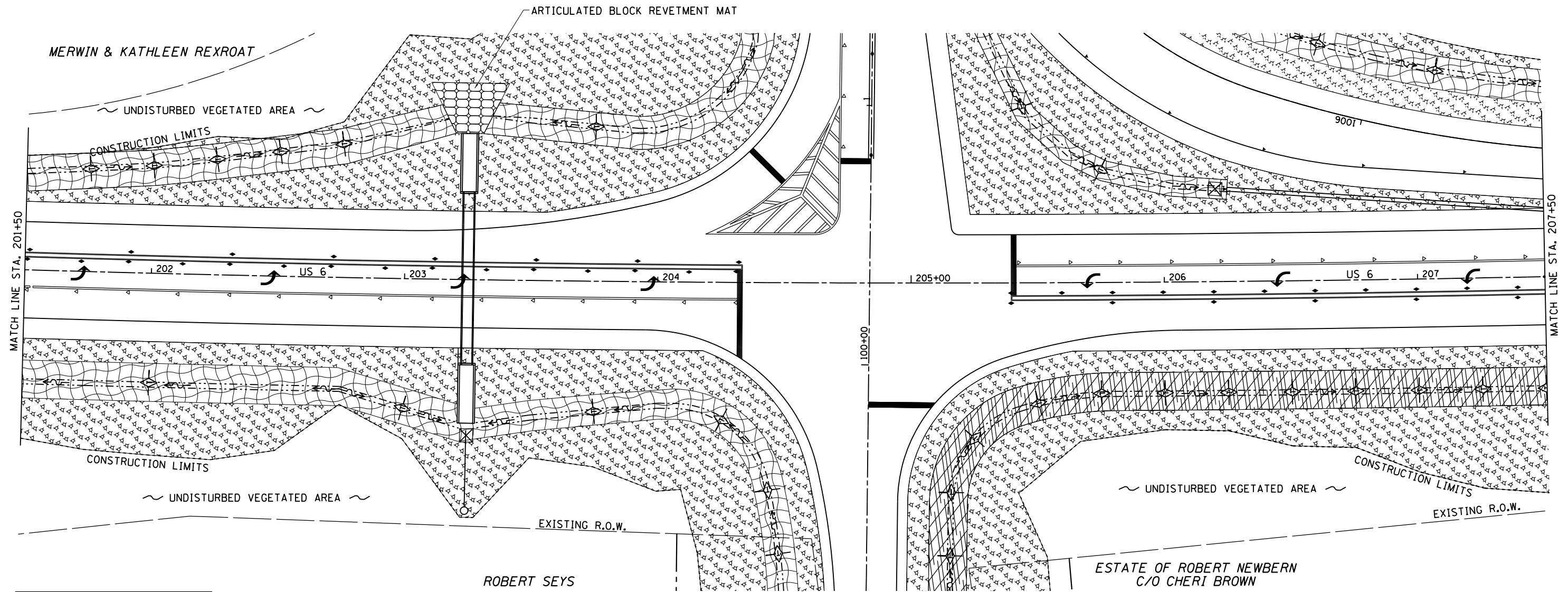
US 6
EROSION CONTROL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	68
			CONTRACT NO. 64J43	
ILLINOIS FED. AID PROJECT				

*5789 & 5861

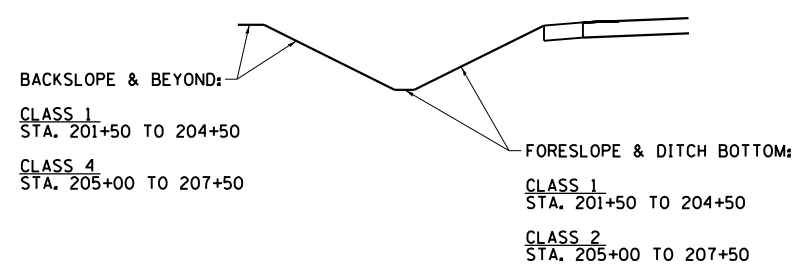
EROSION CONTROL



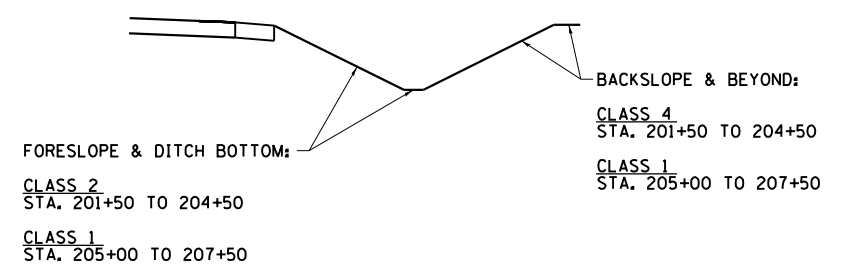
- = MULCH METHOD 3
- = TEMPORARY DITCH CHECKS
- = EROSION CONTROL BLANKET
- = PERIMETER EROSION BARRIER
- = INLET PIPE PROTECTION
- = RIP RAP
- = TURF REINFORCEMENT MAT



SEEDING DETAIL - LEFT DITCH



SEEDING DETAIL - RIGHT DITCH



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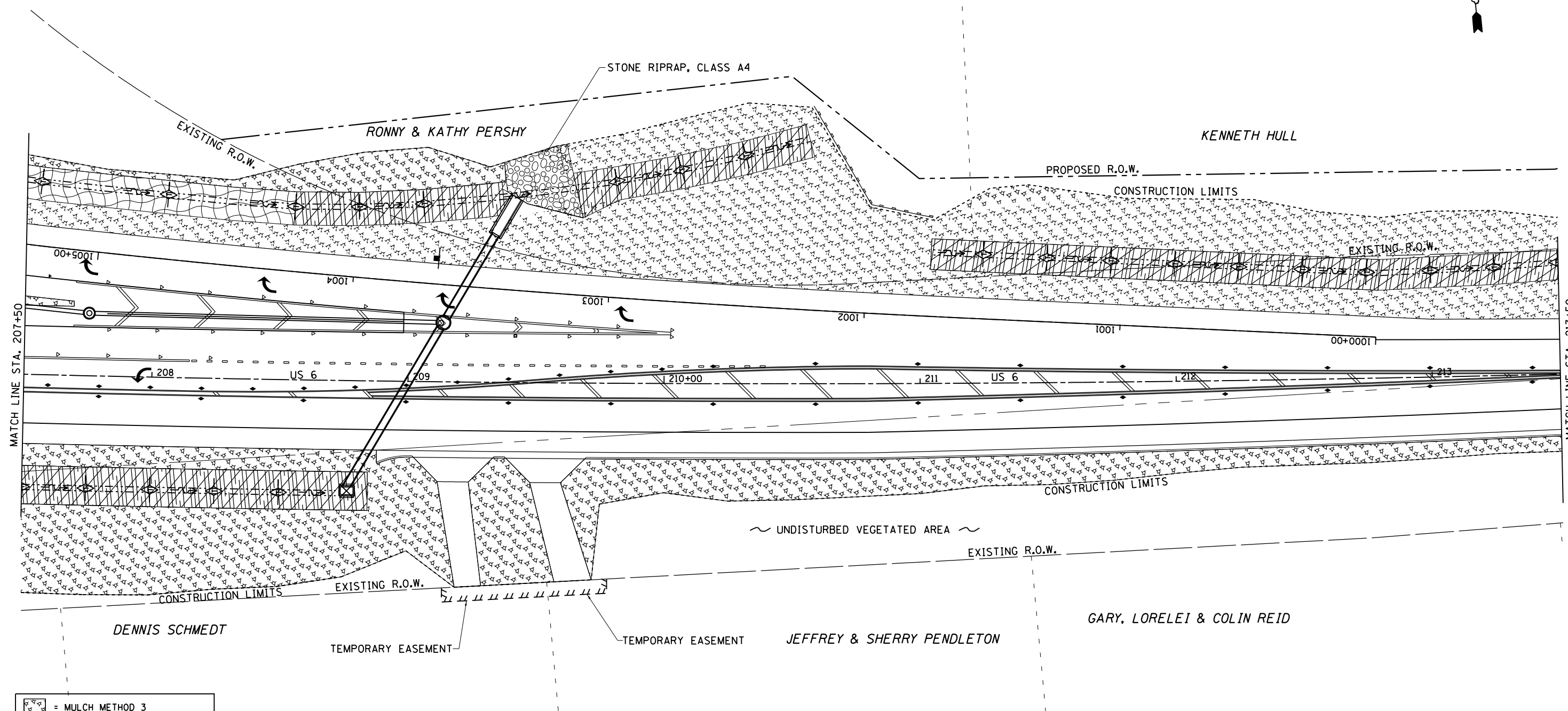
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION








US 6			
EROSION CONTROL DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	69
CONTRACT NO. 64J43				
ILLINOIS FED. AID PROJECT				

* 5789 & 5861

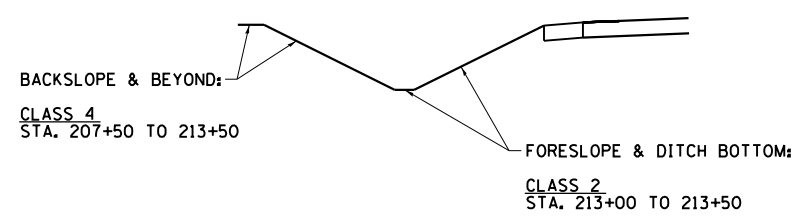
EROSION CONTROL



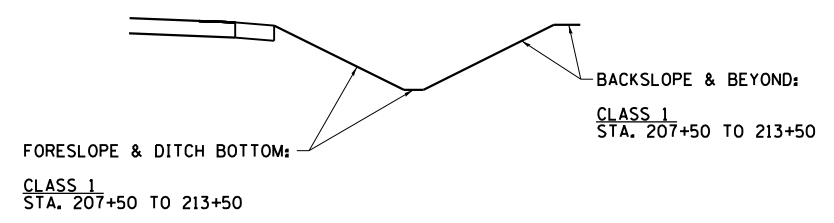
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-  = TEMPORARY DITCH CHECKS
-  = EROSION CONTROL BLANKET
-  = PERIMETER EROSION BARRIER
-  = INLET PIPE PROTECTION
-  = RIP RAP
-  = TURF REINFORCEMENT MAT



SEEDING DETAIL - LEFT DITCH



SEEDING DETAIL - RIGHT DITCH



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

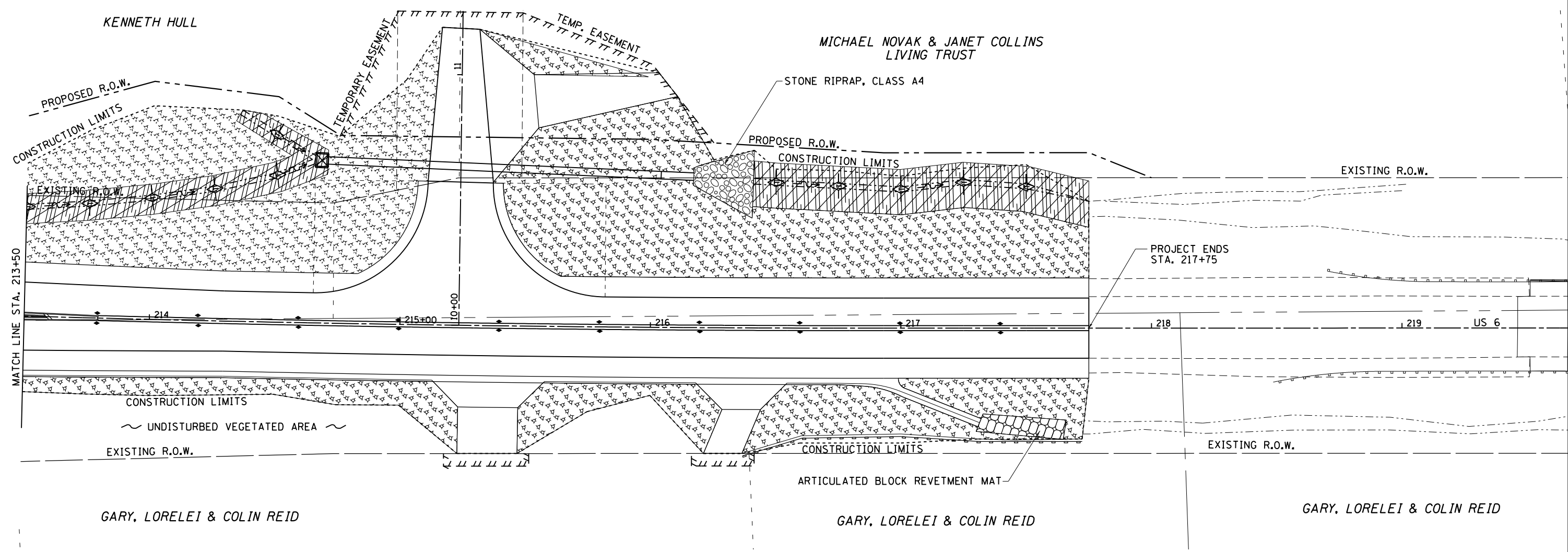
US 6
EROSION CONTROL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

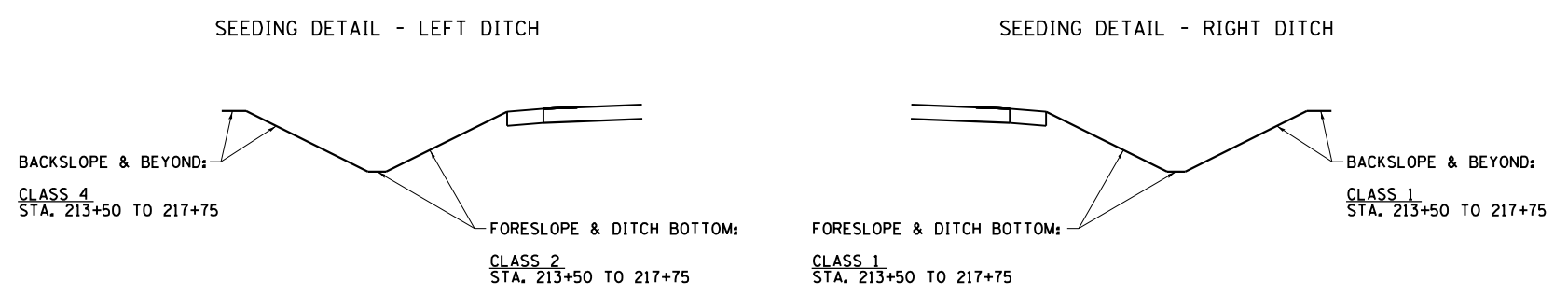
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	70
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J43	

* 5789 & 5861

EROSION CONTROL



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



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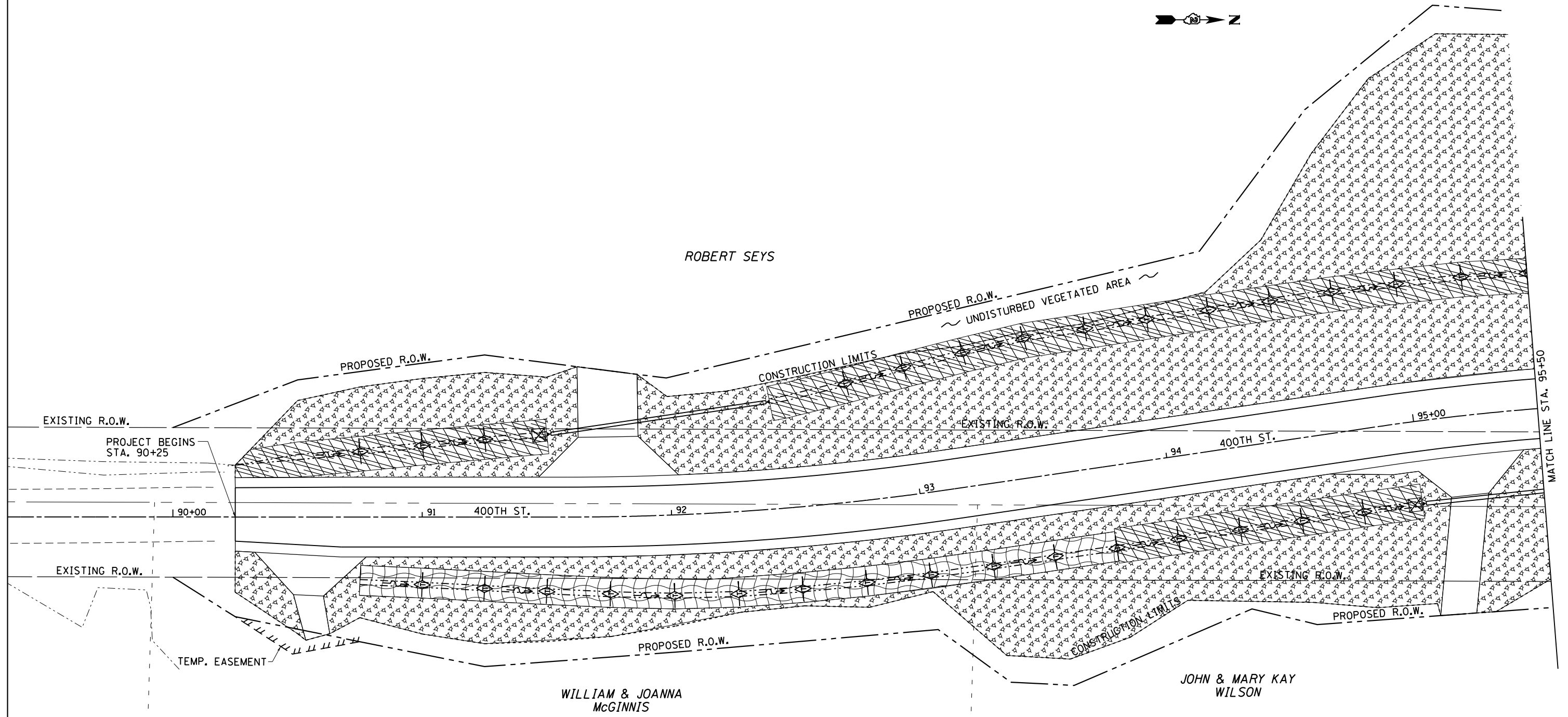
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

US 6 EROSION CONTROL DETAILS			
SCALE:	SHEET	OF	SHEETS
	STA.	TO	STA.

F.A.U. RE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	71
			CONTRACT NO. 64J43	
ILLINOIS FED. AID PROJECT				

* 5789 & 5861

EROSION CONTROL



PROJECT BEGINS STA. 90+25

90+00

91

400TH ST.

92

93

94

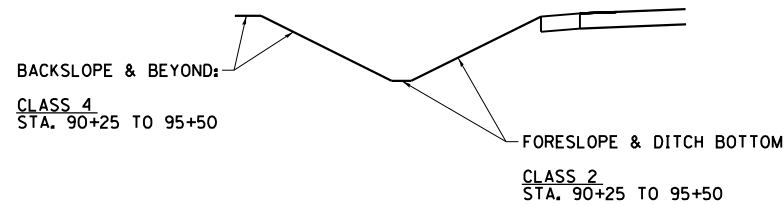
400TH ST.

95+00

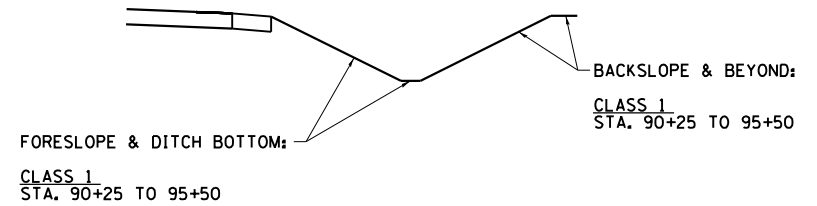
MATCH LINE STA. 95+50

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

SEEDING DETAIL - LEFT DITCH



SEEDING DETAIL - RIGHT DITCH



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

400TH ST.
EROSION CONTROL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	72
			CONTRACT NO. 64J43	

ILLINOIS FED. AID PROJECT

* 5789 & 5861

EROSION CONTROL

SEEDING DETAIL - LEFT DITCH

SEEDING DETAIL - RIGHT DITCH



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

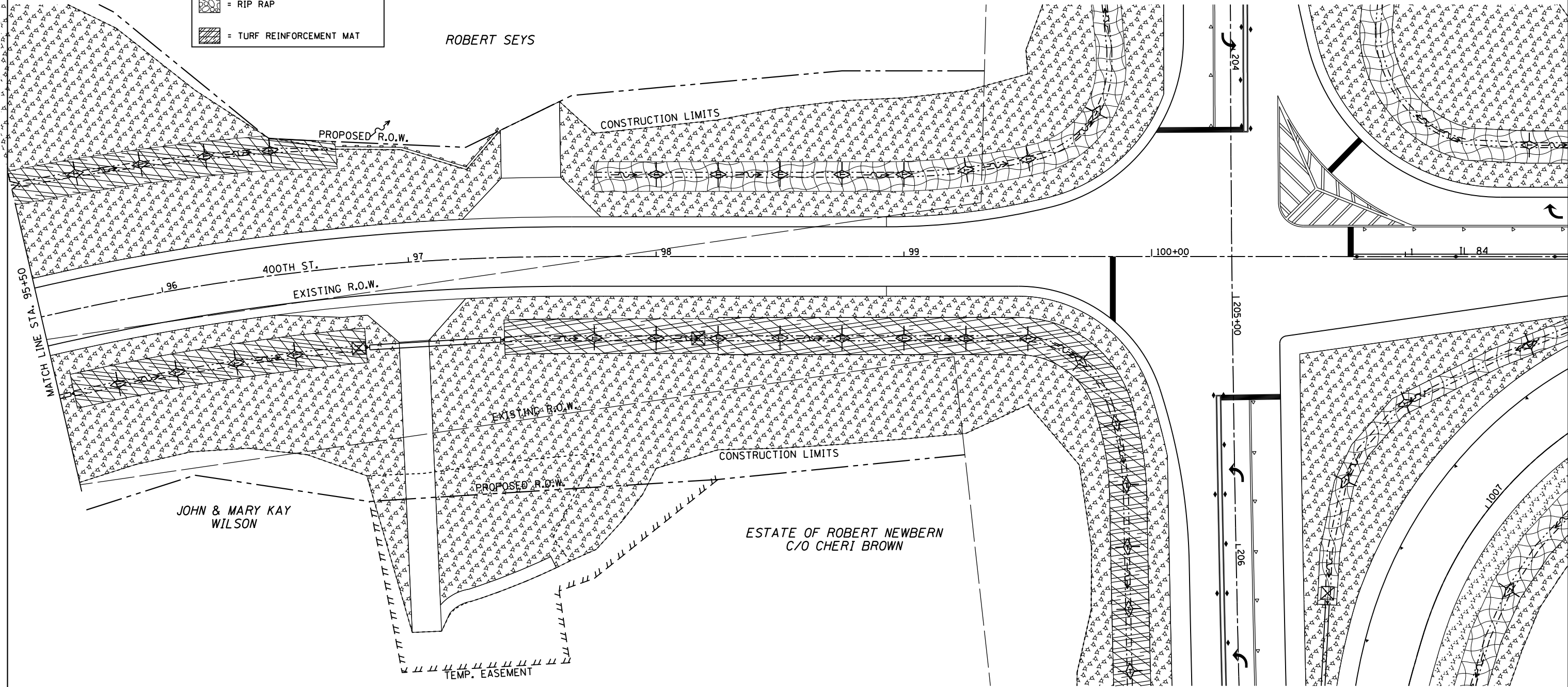
BACKSLOPE & BEYOND:
CLASS 4
STA. 95+50 TO 100+00

FORESLOPE & DITCH BOTTOM:
CLASS 2
STA. 95+50 TO 100+00

BACKSLOPE & BEYOND:
CLASS 1
STA. 95+50 TO 100+00

FORESLOPE & DITCH BOTTOM:
CLASS 1
STA. 95+50 TO 100+00

ROBERT SEYS



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

400TH ST.
EROSION CONTROL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

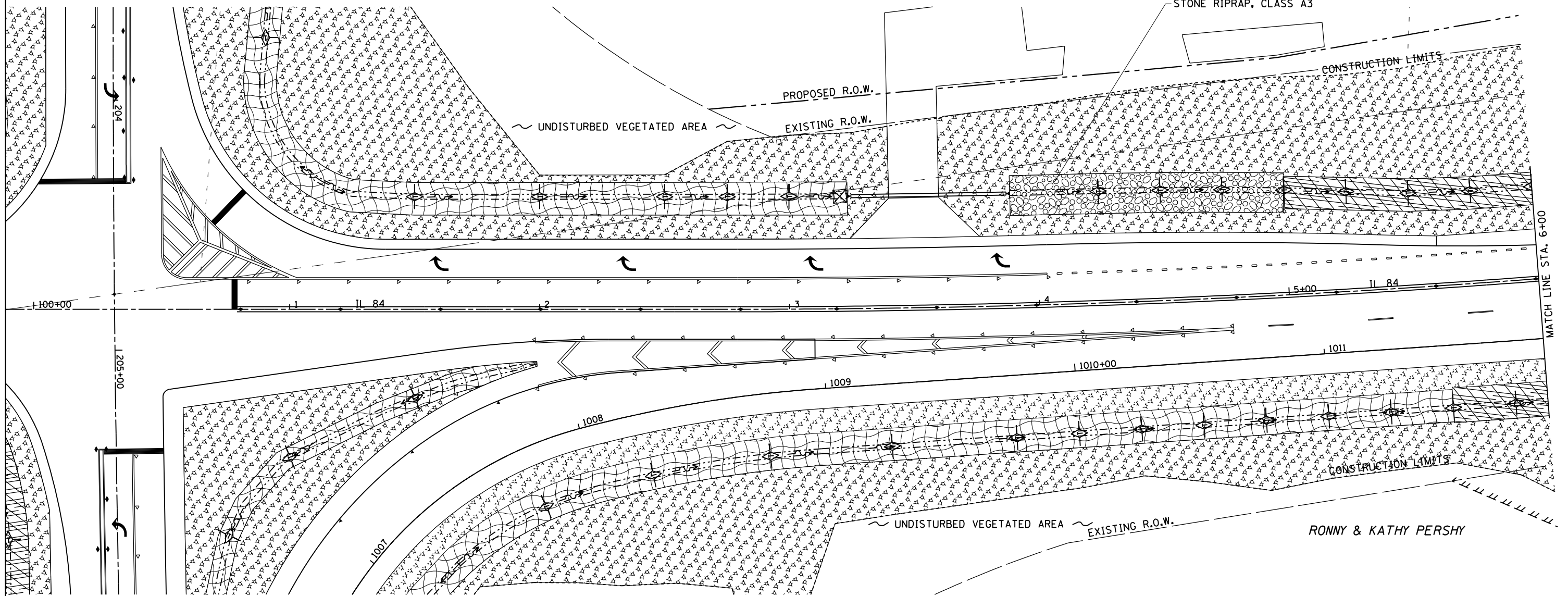
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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			CONTRACT NO. 64J43	
ILLINOIS FED. AID PROJECT				








* 5789 & 5861

EROSION CONTROL

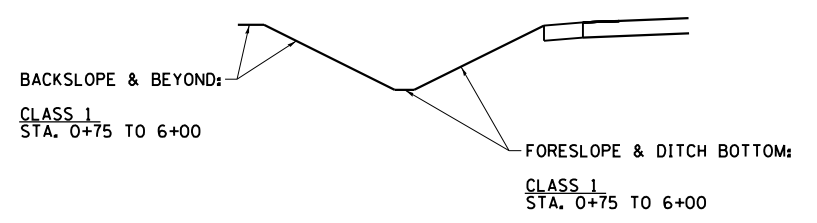


MERWIN & KATHLEEN REXROAT



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

SEEDING DETAIL - LEFT DITCH



FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
Default	Default	DRAWN -	REVISED -
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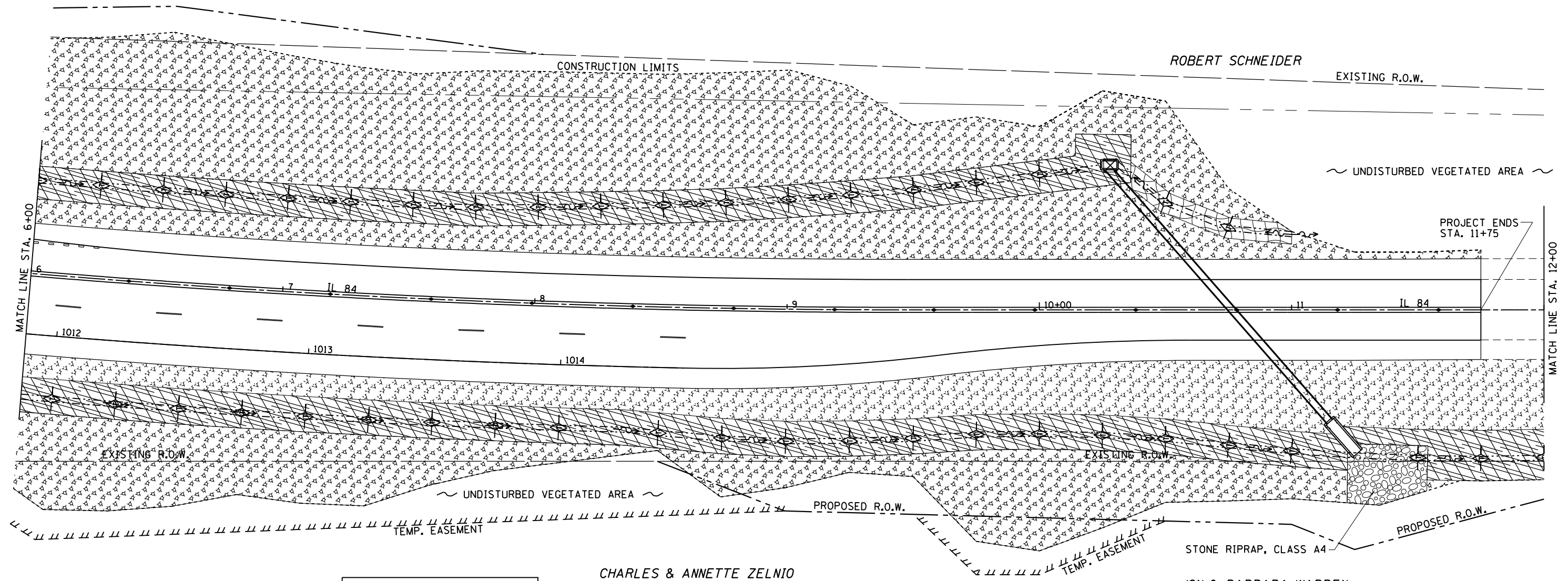
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

IL 84			
EROSION CONTROL DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	74
			CONTRACT NO. 64J43	
ILLINOIS FED. AID PROJECT				

* 5789 & 5861

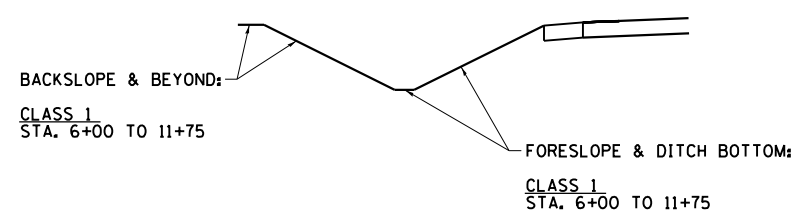
EROSION CONTROL



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

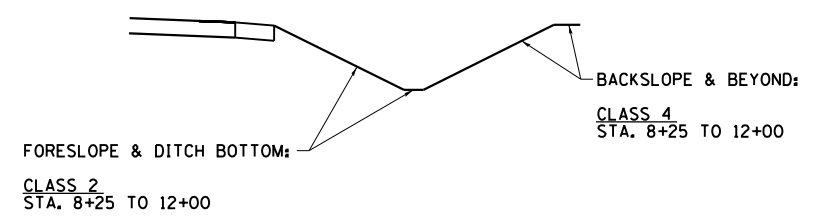
CHARLES & ANNETTE ZELNIO

SEEDING DETAIL - LEFT DITCH



JON & BARBARA WARREN

SEEDING DETAIL - RIGHT DITCH



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

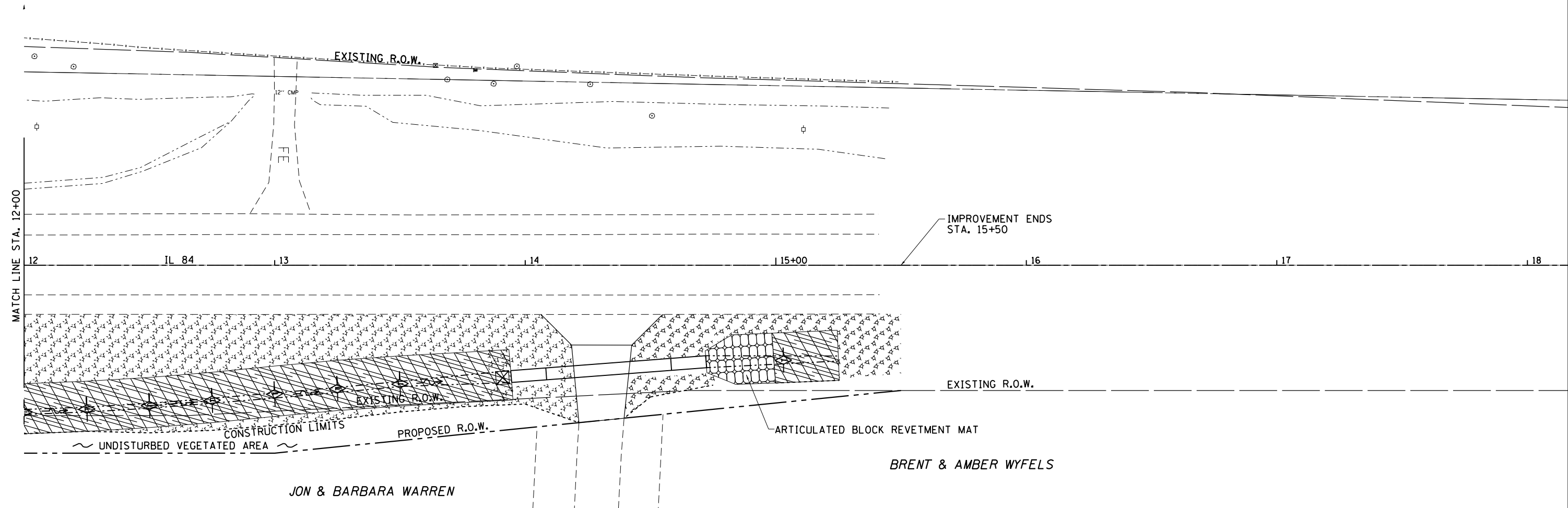
IL 84
EROSION CONTROL DETAILS

SCALE: SHEET OF SHEETS STA. TO STA.

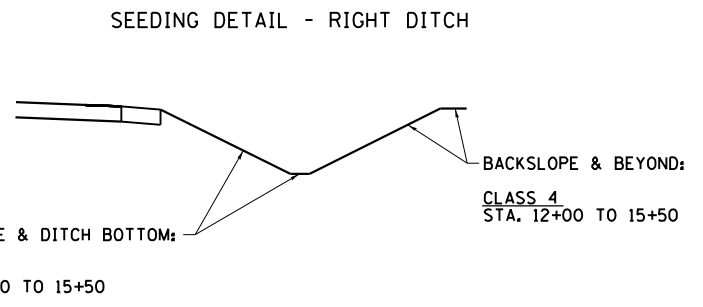
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	75
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

* 5789 & 5861

EROSION CONTROL



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



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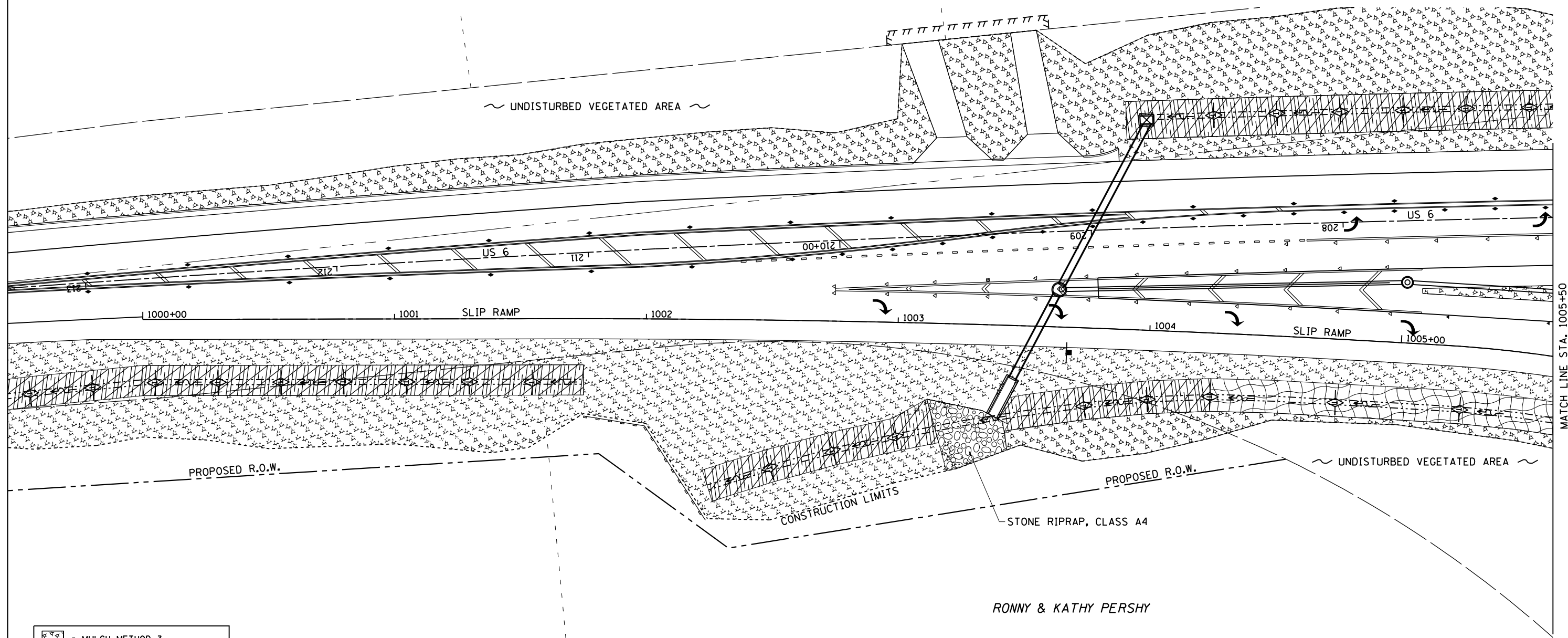
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

IL 84			
EROSION CONTROL DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	76
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J43	

* 5789 & 5861

EROSION CONTROL



MATCH LINE STA. 1005+50

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

KENNETH HULL

SEEDING DETAIL

BACKSLOPE & BEYOND:
CLASS 4
STA. 1000+00 TO 1005+50

FORESLOPE & DITCH BOTTOM:
CLASS 2
STA. 1000+00 TO 1005+50



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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

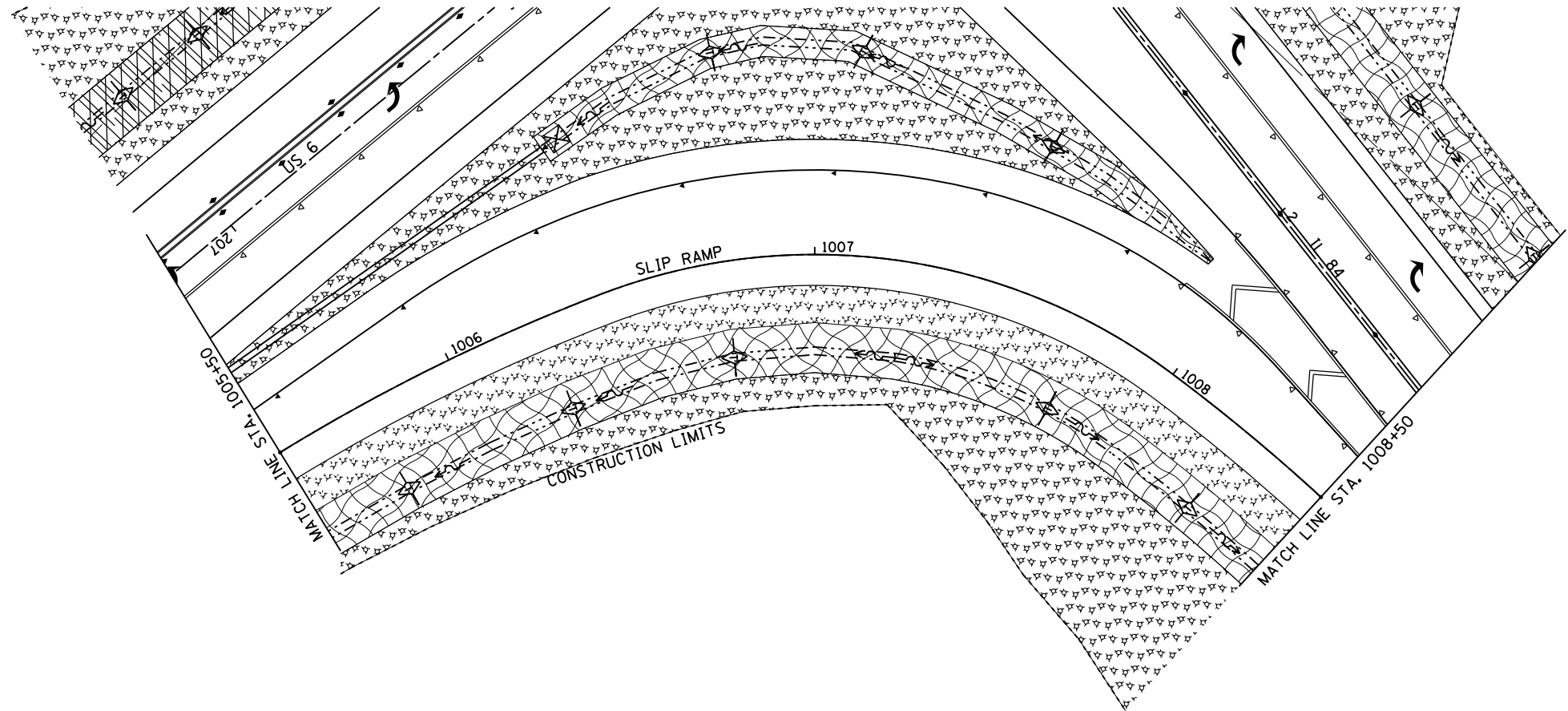
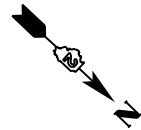
**SLIP RAMP
EROSION CONTROL DETAILS**

SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	77
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J43	

* 5789 & 5861

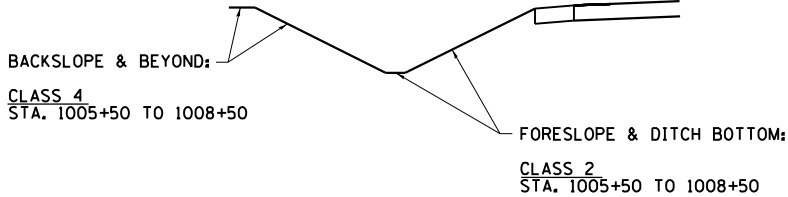
EROSION CONTROL



- = 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 = cushmenbw	DESIGNED -	REVISED -
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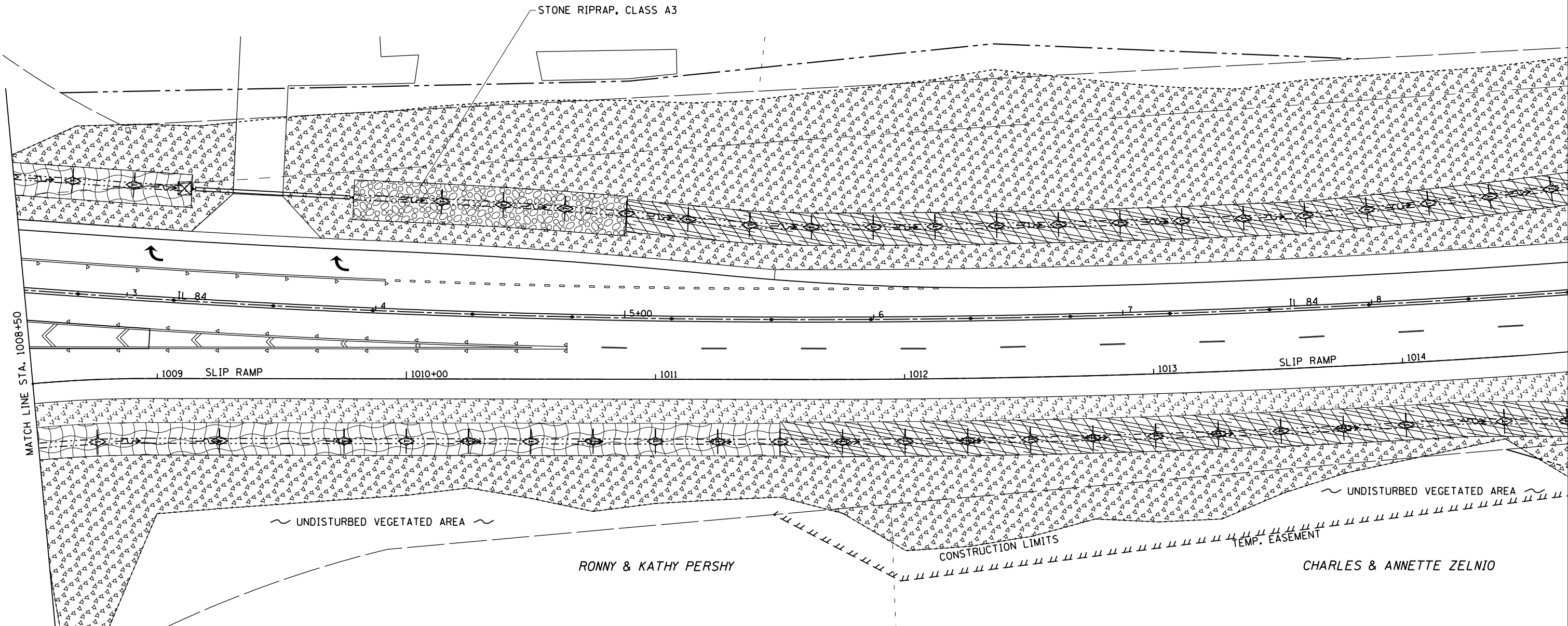
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**








SLIP RAMP EROSION CONTROL DETAILS

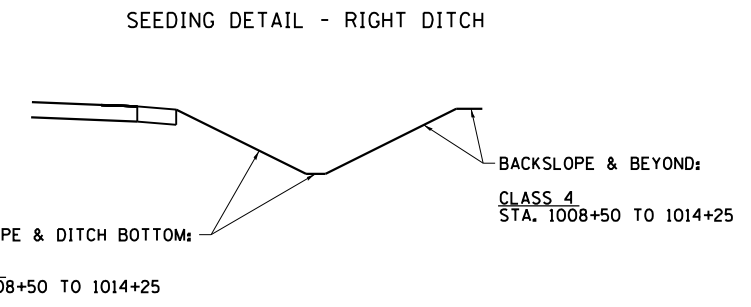
SCALE: SHEET OF SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	78
CONTRACT NO. 64J43				
ILLINOIS FED. AID PROJECT				

EROSION CONTROL



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



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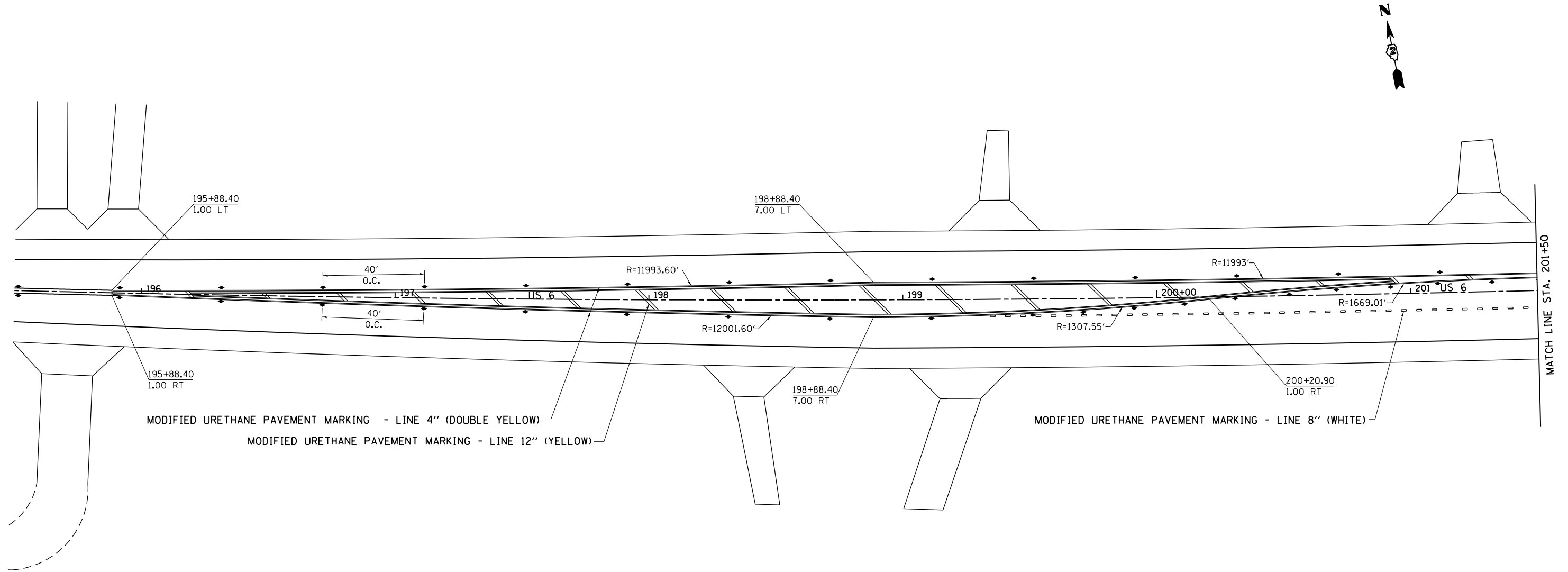
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SLIP RAMP EROSION CONTROL DETAILS			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	79
ILLINOIS FED. AID PROJECT			CONTRACT NO. 64J43	

* 5789 & 5861

PAVEMENT MARKING DETAILS



- ◆ TWO-WAY AMBER
- ◀ TWO-WAY AMBER
- ◁ ONE-WAY CRYSTAL

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

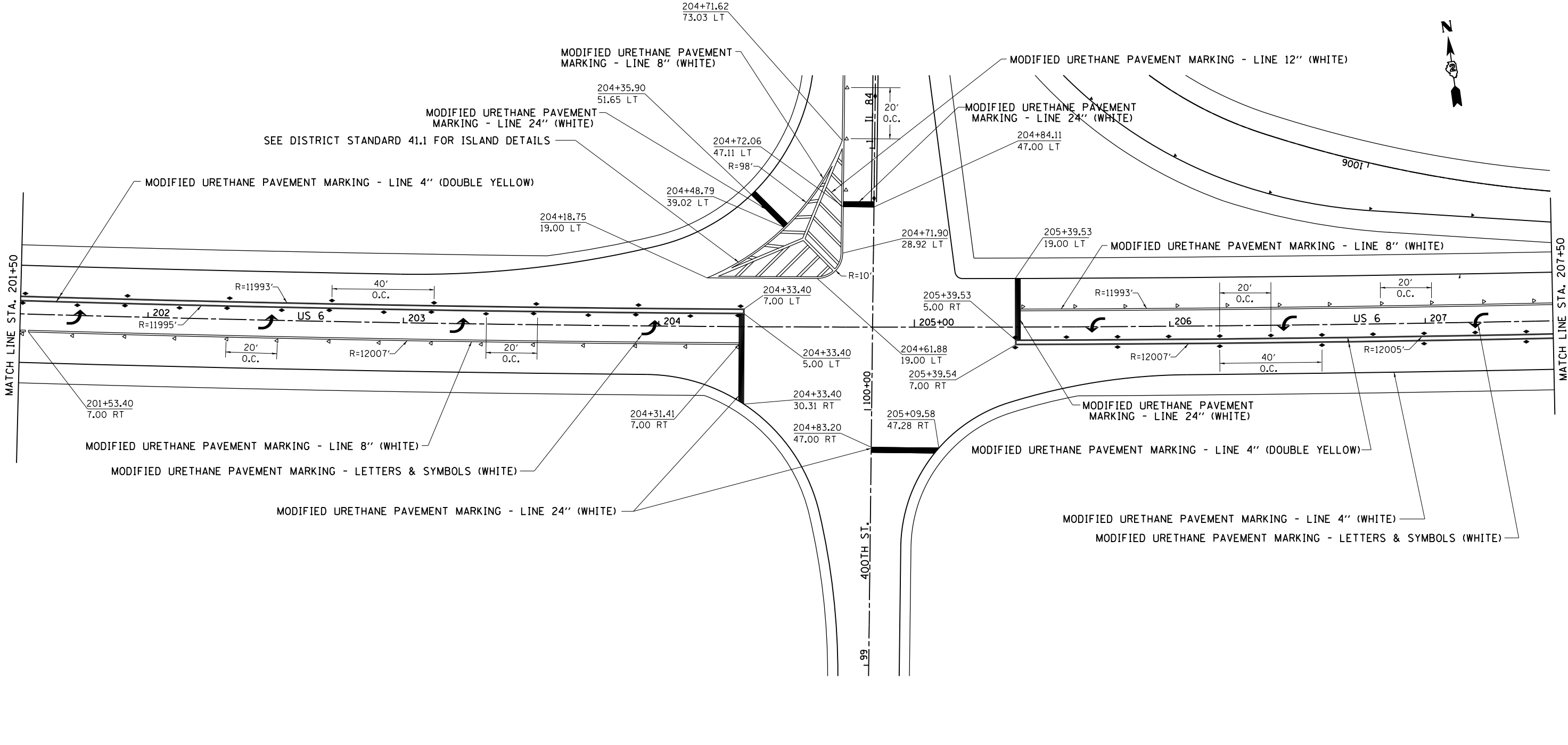
PAVEMENT MARKING

SCALE: SHEET OF SHEETS STA. TO STA.

* 5789 & 5861

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	80
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING



- ◆ TWO-WAY AMBER
- ◀ TWO-WAY AMBER
- ◁ ONE-WAY CRYSTAL

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

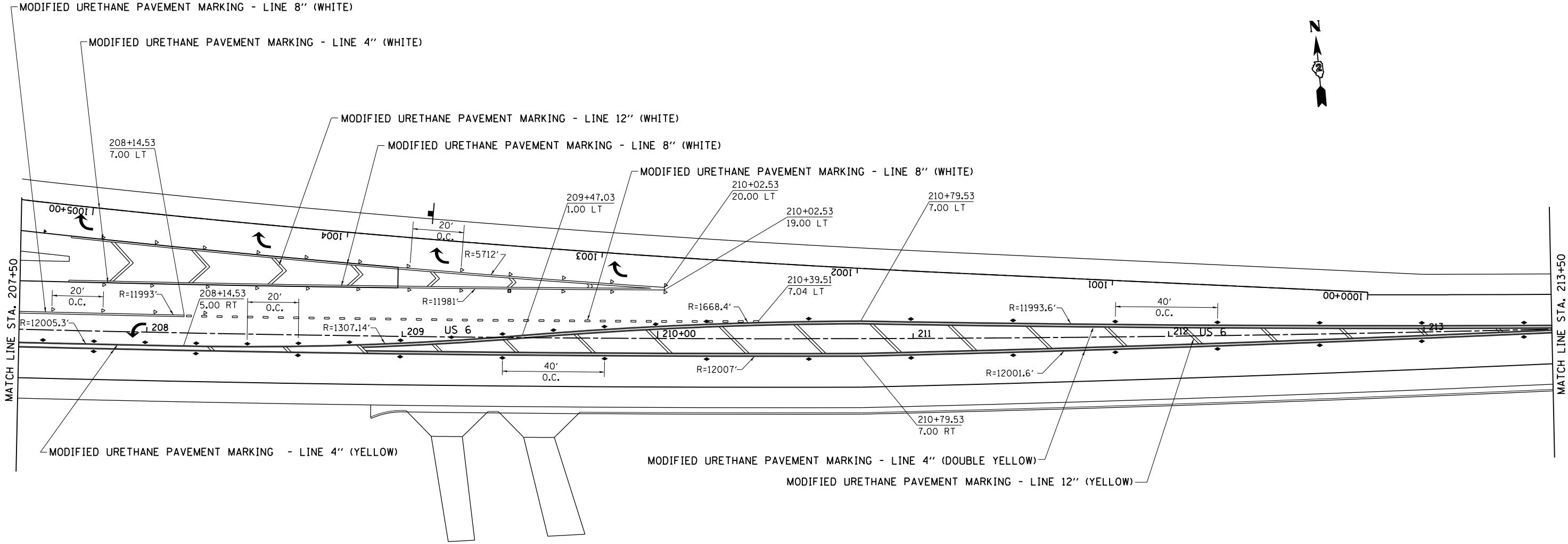
PAVEMENT MARKING

SCALE: SHEET OF SHEETS STA. TO STA.

* 5789 & 5861

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	81
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING



- ◆ TWO-WAY AMBER
- ◀ TWO-WAY AMBER
- ◁ ONE-WAY CRYSTAL

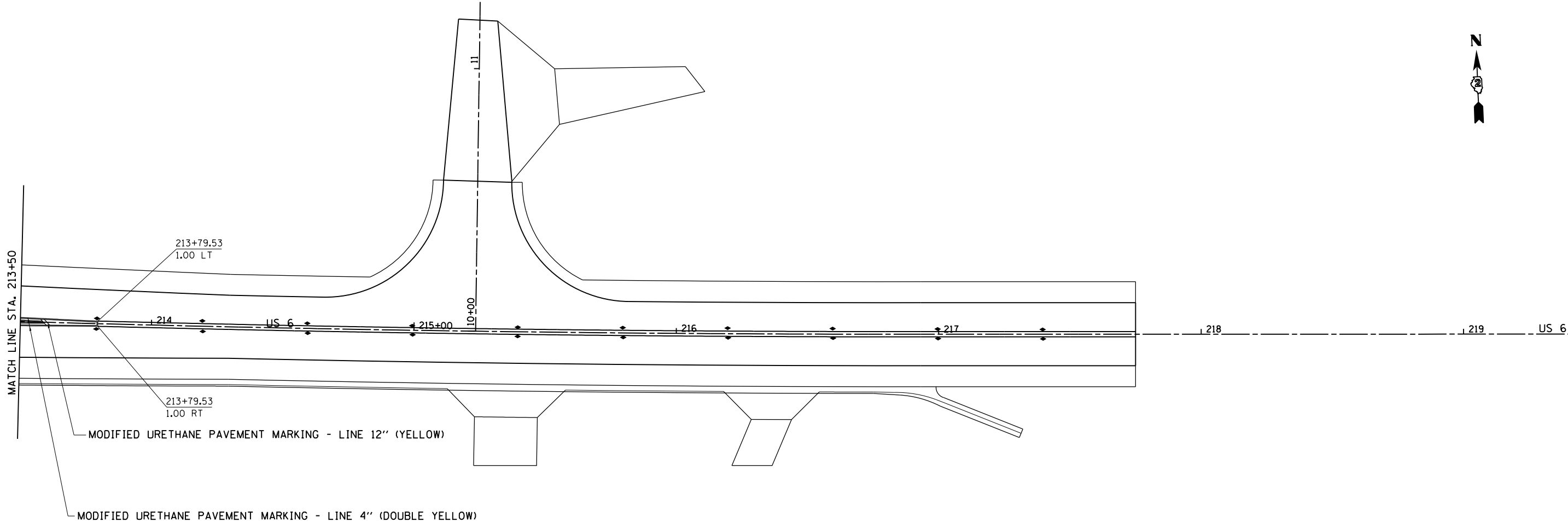
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

* 5789 & 5861				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	82
CONTRACT NO.			64J43	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING



- ◆ TWO-WAY AMBER
- ◀ TWO-WAY AMBER
- ◁ ONE-WAY CRYSTAL

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

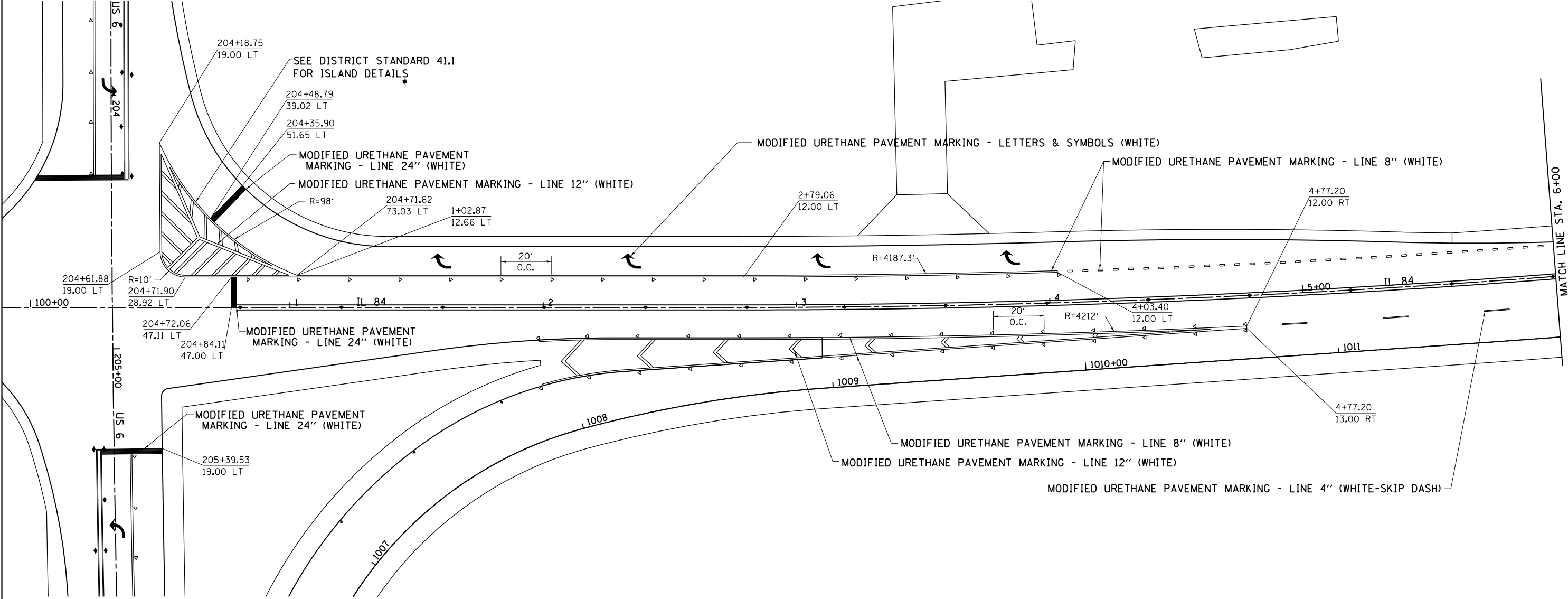
PAVEMENT MARKING

SCALE: SHEET OF SHEETS STA. TO STA.

* 5789 & 5861

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	83
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

PAVEMENT MARKING



- ◆ TWO-WAY AMBER
- ◀ TWO-WAY AMBER
- ◁ ONE-WAY CRYSTAL

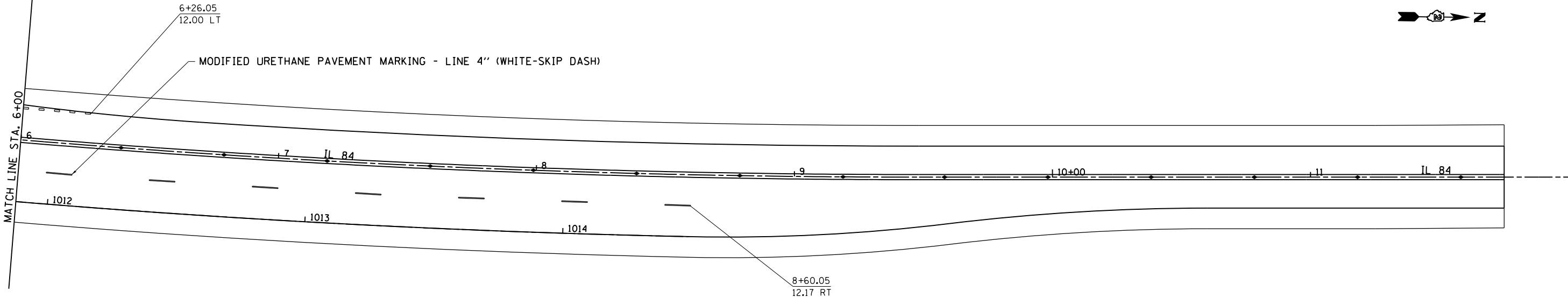
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 14:07:39 2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

* 5789 & 5861				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	84
			CONTRACT NO. 64J43	
ILLINOIS FED. AID PROJECT				

PAVEMENT MARKING



- ◆ TWO-WAY AMBER
- ◀ TWO-WAY AMBER
- ◁ ONE-WAY CRYSTAL


FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
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Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 14:07:55 2014	DATE -	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PAVEMENT MARKING			
SCALE:	SHEET	OF SHEETS	STA. TO STA.

* 5789 & 5861				
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	85
CONTRACT NO.			64J43	
ILLINOIS FED. AID PROJECT				

BORING LOGS



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 5/27/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed culvert on US 6, 875' W. of IL 84 LOGGED BY W. Garza


SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)
-90.361082 41.455991 SOFT brown SILTY CLAY LOAM			0.4 P	26			VERY STIFF gray TILL/SHALE (continued)	12 11	3.5 P	16	
634.50					615.00						
STIFF tan SILTY LOAM		4 3 4	1.4 S	21			DENSE gray SHALE	9 20 24			
633.00					613.00						
STIFF tan SILTY LOAM		2 3 6	1.9 B	21			VERY DENSE gray SHALE	10 26 41			
630.00					610.50		End of Boring				
LOOSE tan fine SAND		1 2 4									
627.50											
HARD tan TILL		6 9 12	4.5 B	11							
625.50											
VERY STIFF gray TILL		6 7 10	2.3 B	8							
623.00											
STIFF gray TILL		5 7 10	1.7 B	10							
620.50											
VERY STIFF gray TILL		3 7 9	2.9 S	9							
618.00											
VERY STIFF gray TILL/SHALE		7									
-20											

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

SOIL BORING LOG

Page 1 of 1
Date 5/28/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed culvert on US 6, 875' W. of IL 84 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E


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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)
-90.361072 41.456160 SOFT brown SILTY CLAY LOAM			0.3 P	20			HARD gray TILL (continued)	10 12	5.0 S	8	
634.60					615.10						
VERY LOOSE tan fine SAND		1 1 3					DENSE gray SHALE	3 15 23		12	
632.60					613.10						
STIFF tan TILL		1 3 6	1.2 B	15			VERY DENSE gray SHALE	12 24 37			
630.60					610.60		End of Boring				
VERY STIFF tan TILL		13 13 15	2.9 S	9							
628.10											
STIFF tan TILL		4 6 9	1.7 S	10							
625.60											
VERY STIFF tan TILL		4 5 10	2.9 B	11							
623.10											
HARD gray TILL		10 14 14	6.1 S	10							
620.60											
HARD gray TILL		6 9 12	6.2 S	9							
618.10											
HARD gray TILL		8									
-20											

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



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 5/21/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Culvert on US 6, 600' W. of IL 84 LOGGED BY W. Garza


SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO. Station	D E P T H S	B L O W S	U C S Qu	M O I S T T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H S	B L O W S	U C S Qu	M O I S T T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H S	B L O W S	U C S Qu	M O I S T T	
																			(ft)
-90.360098 41.456100 SOFT light brown SILTY CLAY LOAM			0.3 P	16		619.20	HARD gray TILL (continued)	17	27	5.2 S	8								
STIFF tan SILTY LOAM	638.20	2					VERY STIFF gray TILL	12	14	3.0 S	7								
	636.70	4	1.8 B			616.20													
VERY STIFF gray SILTY CLAY		3					VERY STIFF light gray SHALE	8	13	3.5 S	12								
	634.20	6	2.9 B			614.20													
STIFF gray SILT		3					DENSE gray SHALE	5	11										
	631.20	5	1.6 P			611.70													
MEDIUM black LOAM with 15% ORGANICS		1					VERY DENSE gray SHALE	18	25										
	628.70	4	0.8 P	56		609.20	End of Boring												
MEDIUM gray SILTY LOAM		0																	
	626.70	2	0.7 B	26															
VERY SOFT light gray SILTY LOAM		0																	
	623.70	2	0.1 P	29															
DENSE gray TILL		10																	
	621.70	28		8															
HARD gray TILL		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 1
Date 5/5/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Culvert on US 6, 600' W. of IL 84 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E, PM


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

STRUCT. NO. Station	D E P T H S	B L O W S	U C S Qu	M O I S T T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H S	B L O W S	U C S Qu	M O I S T T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft ▼ Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H S	B L O W S	U C S Qu	M O I S T T	
																			(ft)
-90.358317 41.456013 VERY SOFT light brown SILTY CLAY LOAM			0.2 P	21		618.00	VERY STIFF gray SHALEY CLAY (continued)	7	11	3.9 B	14								
MEDIUM light brown SILTY CLAY LOAM	637.50	2					DENSE gray SHALE	8	15										
	636.00	4	0.9 B	26		616.00													
STIFF gray SILTY LOAM		2					DENSE gray SHALE	5	18										
	633.50	3	1.2 P	24		613.50													
VERY SOFT gray SILTY LOAM		1					VERY DENSE gray SHALE	10	24										
	631.00	3	0.2 P	29		611.00													
STIFF gray/tan SILTY CLAY		1																	
	628.00	4	1.2 B	26															
VERY STIFF tan TILL		2																	
	626.00	8	2.5 B	11															
HARD gray TILL with moist SAND lens		8																	
	623.50	13	4.5+ P	9															
HARD gray TILL		13																	
	620.50	16	5.3 S	7															
VERY STIFF gray SHALEY CLAY		6																	

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



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 4/23/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Culvert on US 6, 200' W. of IL 84 LOGGED BY W. Garza


SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T ure (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H H	B L O W S	U C S Qu	M O I S T ure (%)	Soil Description	
												(ft)	(/6")
-90.358473 41.456031 MEDIUM light brown SILTY CLAY LOAM			0.6 P	28		615.90		12 14					MEDIUM dark gray SHALE (continued)
MEDIUM light brown SILTY LOAM	634.90	0						10 15 22					DENSE dark gray SHALE
MEDIUM dark gray SILTY LOAM	633.40	3	0.7 B	36		613.40							VERY DENSE dark gray SHALE
MEDIUM light gray SANDY LOAM TILL	630.40	1 2 4				610.90		10 26 45					End of Boring
VERY STIFF tan TILL	628.40	4	0.8 P	14									
VERY STIFF gray TILL	625.90	4 11 17	3.9 B	10									
VERY STIFF gray TILL	623.40	9 11 14	3.3 B	10									
VERY STIFF gray TILL	620.90	8 12 17	3.9 S	8									
HARD gray TILL	617.90	12 16 18	5.9 S	9									
MEDIUM dark gray SHALE		14											

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
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SOIL BORING LOG

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Date 4/18/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Culvert on US 6, 200' W. of IL 84 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 15SE, SEC. , TWP. 17N, RNG. 1E


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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T ure (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H H	B L O W S	U C S Qu	M O I S T ure (%)	Soil Description	
												(ft)	(/6")
-90.358506 41.455603 VERY SOFT brown SILTY CLAY LOAM			0.2 P	25		621.10							HARD light gray TILL
MEDIUM tan/light gray SILTY LOAM	640.10	2 3 7	0.6 P	29									Hard Drilling (continued)
VERY SOFT light gray SILT	638.60	2 2 3	0.2 P	27		618.10							HARD gray TILL
STIFF tan SILTY CLAY LOAM	635.60	3 4 5	1.5 B	25		616.10							VERY STIFF gray SHALE
HARD tan TILL with fine SAND lens	633.10	12 9 12	4.4 S	10									VERY DENSE gray SHALE
HARD tan TILL	631.10	10 14 18	4.4 S	9									End of Boring
VERY STIFF light gray TILL	628.60	9 11 14	2.7 S	7									
VERY STIFF light gray TILL	626.10	10 15 18	2.5 S	7									
	623.60	6											

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



Illinois Department of Transportation
Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 5/6/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed culvert on US 6, 400' E. of IL 84 LOGGED BY W. Garza


SECTION 2R-1 LOCATION Colona Twp. - 23NW, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T ure	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T ure (%)	Description	Elev. (ft)	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T ure (%)
-90.357002 41.455529 SOFT brown SILTY CLAY LOAM			0.3 P	24			HARD gray SHALE (continued)	616.30	8	4.6	14						
VERY SOFT tan SILTY LOAM	635.30	1					VERY STIFF gray SHALE		5								
	633.80	3	0.2 P	32				613.80	10	3.2	13						
VERY SOFT tan SANDY LOAM		0					MEDIUM gray SHALE		5								
	631.30	3	0.1 P	31				611.30	9								
VERY SOFT light gray SILT with SAND lens		2					DENSE gray SHALE		8								
	628.30	4	0.1 P	22				608.80	13								
MEDIUM tan TILL		2					DENSE gray SHALE		8								
	626.30	3	0.9 P	11				606.30	16								
VERY STIFF tan TILL		4					End of Boring										
	623.80	8	3.9 S	10													
VERY STIFF light gray TILL		4															
	621.30	7	2.5 S	9													
VERY STIFF light gray TILL		4															
	618.30	7	2.7 B	10													
HARD gray SHALE		9															

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)



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Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 5/7/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed culvert on US 6, 400' E. of IL 84 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 23NW, SEC. , TWP. 17N, RNG. 1E


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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T ure	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T ure (%)	Description	Elev. (ft)	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T ure (%)
-90.356754 41.455826 MEDIUM light brown SILTY CLAY LOAM			0.5 P	24			VERY STIFF gray SHALE (continued)	613.60	8	3.7	15						
STIFF tan SILTY LOAM	632.60	5					DENSE gray SHALE		12								
	633.80	4	1.7 S	16				611.10	14								
SOFT tan SILT		1					DENSE gray SHALE		6								
	630.60	2	0.3 P	17				608.60	13								
STIFF tan/light gray TILL		2					DENSE gray SHALE		14								
	628.10	4	1.9 B	9				606.10	19								
MEDIUM tan TILL		1					End of Boring										
	626.10	2	0.9 B	12													
MEDIUM tan SANDY GRAVEL		6															
	623.10	7															
VERY STIFF gray TILL		2															
	620.60	5	2.1 B	10													
VERY STIFF light gray SHALEY CLAY		9															
	618.10	7															
VERY STIFF gray SHALE		9	2.9 B	14													
	615.60	9															
	613.60	4															

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



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SOIL BORING LOG

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Date 5/19/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed access road culvert, 1,000' E. of IL 84 LOGGED BY W. Garza


SECTION 2R-1 LOCATION Colona Twp. - 14SW, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs.	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)
-90.355568 41.455863													
			1.1	21		584.10				4	8	2.7	17
STIFF light brown SILTY CLAY LOAM													
603.10		3								4			
STIFF light brown SILTY CLAY			1.8	21						8	11	2.5	17
601.60		5				581.60							
STIFF tan SILTY LOAM										5	7	2.5	17
599.10		3	1.0	25		579.10				9			
VERY SOFT gray SILTY LOAM										6	8	2.9	18
596.60		3	0.1	28		576.60				12			
STIFF gray SILTY LOAM										4	7	4.3	16
594.10		5	1.2	27		573.60				11			
MEDIUM gray SILTY LOAM										100/11			
591.60		8	0.8	27		571.60							
STIFF gray LOAM													
589.10		5	1.7	21									
STIFF tan/gray CLAY LOAM													
586.10		4	1.7	19									
VERY STIFF tan TILL													
		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)



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Division of Highways
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SOIL BORING LOG

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Date 5/20/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Proposed access road culvert, 1,000' E. of IL 84 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 14SW, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs.	D E P T H H	B L O W S	U C S Qu	M O I S T U R E (%)
-90.355538 41.455643													
						584.50				5	8	3.3	15
VERY STIFF tan TILL (continued)													
603.50		1								3			
MEDIUM light brown SILTY LOAM			0.9	18						6	9	2.1	17
602.00		4				582.00							
STIFF tan SILTY LOAM										2	7	3.3	15
599.50		3	1.5			579.50				11			
SOFT tan LOAM										3	6	2.5	21
597.00		3	0.3	23		577.00				11			
STIFF light brown SILTY CLAY LOAM										3	7	3.9	13
594.00		5	1.1	19		574.50				12			
VERY STIFF tan TILL										3	9	4.3	14
592.00		8	2.5	16		572.00				13			
VERY STIFF tan TILL										2	9	5.4	15
589.50		8	2.9	15		589.50				13			
VERY STIFF tan TILL													
587.00		9	3.3	14									
VERY STIFF tan TILL													
		2											

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

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SOIL BORING LOG

Date 3/26/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Culvert on US 6, WB ramp to IL 84 NB LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 14SW, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)	Description	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)
-90.357698 41.455734 Center of US 6 WB to IL 84 NB Ramp @ proposed culvert = 100.0 STIFF tan SILTY CLAY LOAM VERY SOFT light gray SILTY LOAM	95.30	0	1.5	23	76.30	13	3.5	8	18	S		VERY STIFF gray TILL (continued)				
MEDIUM light gray SILT	93.80	2	0.0	32	73.80	10	8.0	8	15	S		HARD gray TILL				
		1				15			19			Hard Drilling				
		2														
		3	0.5	24		-25	11	8	14	S		HARD gray TILL				
	91.30	5			71.30	14	6.4	8	14	S						
STIFF light gray SILT with fine SAND lens	88.30	3	1.2	21								End of Boring				
		6														
		8	B													
STIFF tan TILL	86.30	5	1.1	11		-30										
		7														
		10	P													
HARD tan TILL	83.80	8	4.6	9												
		12														
		16	S													
VERY STIFF tan/light gray TILL	81.30	10	3.5	8		-35										
		15														
		19	S													
VERY STIFF gray TILL	78.80	7	3.1	9												
		15														
		11	S													
VERY STIFF gray TILL		10				-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)

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SOIL BORING LOG

Date 3/31/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 Culvert on US 6, WB ramp to IL 84 NB LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 14SW, SEC. , TWP. 17N, RNG. 1E


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

STRUCT. NO. Station	D E P T H H	B L O W S	U C S Qu	M O I S T T	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.: First Encounter _____ ft Upon Completion _____ ft After _____ Hrs. _____ ft	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)	Description	D E P T H (ft)	B L O W S (/6")	U C S (tsf)	M O I S T (%)
-90.357353 41.456001 MEDIUM brown SILTY CLAY LOAM	97.30	0.5	20		78.30	5	1.9	11	6	B		STIFF gray TILL (continued)				
DENSE gray Road Rock with SAND on top	95.30	8			75.80	4	2.3	12	14			VERY STIFF gray TILL				
		21				5			8							
						8										
STIFF tan SILTY LOAM	93.30	4	1.4	24	72.80	5	4.1	9	4			HARD gray TILL				
		4				6			7	B						
		7				9										
MEDIUM light gray SILTY LOAM	90.80	2	0.6	24	70.30	4	2.4	33	4			VERY STIFF dark gray SILTY LOAM with ORGANICS				
		4				9			4							
		4	P			12	S									
VERY SOFT tan/gray SILT	87.80	2	0.2	23	67.80	2	3.1	18	3			VERY STIFF gray TILL				
		3				5			4	P						
		4				10	B									
MEDIUM tan SANDY GRAVEL LOAM with SAND lens	85.30	3	0.6	14	65.30	3	3.1	21	2			VERY STIFF dark gray CLAY				
		2				5			9	S						
		4	B			9	S									
VERY STIFF tan TILL	83.30	4	2.3	7	63.30	8	4.4	14	4			HARD dark gray SHALE				
		5				11			5							
		8	B			21	S									
VERY STIFF tan TILL	80.80	5	3.8	9	60.80	12			9			VERY DENSE dark gray SHALE				
		9				16			10	P						
		10				34										
STIFF gray TILL		3										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)

BORING LOGS



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SOIL BORING LOG

Page 1 of 1
Date 4/7/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 IL 84 culvert, 1,000' N. of US 6 LOGGED BY W. Garza


SECTION 2R-1 LOCATION Colona Twp. - 14SW, SEC. , TWP. 17N, RNG. 1E

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

STRUCT. NO. Station	D E P T H S	B L O W S	U C S Qu	M O I S T U R E	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.:	First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs.	D E P T H S	B L O W S	U C S Qu	M O I S T U R E
-90.357703 41.458261 VERY SOFT light brown SILTY CLAY LOAM			0.2	23		586.60					21	39		
VERY SOFT tan SILTY LOAM	605.60	2									42	00/9"		
VERY SOFT tan SILTY LOAM	604.10	3	0.1	16		584.10								
														End of Boring
VERY SOFT light brown SILTY LOAM	601.60	2	0.2	27							-25			
VERY SOFT tan SANDY LOAM	599.10	2	0.1	24										
SOFT dark gray SILTY LOAM with ORGANICS	596.10	2	0.3	41							-30			
MEDIUM tan SANDY LOAM TILL	593.60	3	0.5	16										
LOOSE tan medium SAND with CLAY LOAM, bottom 6"	591.10	3	0.8	25							-35			
DENSE gray SHALE	589.10	10												
VERY DENSE gray SHALE		16									-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)



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Division of Highways
Illinois Department of Transportation

SOIL BORING LOG

Page 1 of 1
Date 4/15/14

ROUTE FAU 5789/FAU 5861 DESCRIPTION P92-017-09 IL 84 culvert, 1,000' N. of US 6 LOGGED BY W. Garza

SECTION 2R-1 LOCATION Colona Twp. - 14SW, SEC. , TWP. 17N, RNG. 1E

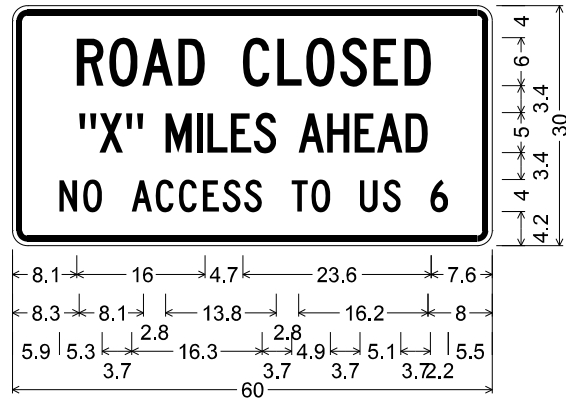
COUNTY Henry DRILLING METHOD Hollow Stem Auger HAMMER TYPE CME-45 Automatic

STRUCT. NO. Station	D E P T H S	B L O W S	U C S Qu	M O I S T U R E	Surface Water Elev. _____ ft	Stream Bed Elev. _____ ft	Groundwater Elev.:	First Encounter _____ ft	Upon Completion _____ ft	After _____ Hrs.	D E P T H S	B L O W S	U C S Qu	M O I S T U R E
-90.357497 41.458499 12" Asphalt Shoulder						584.10					4	2.3	19	
VERY STIFF tan SILTY LOAM	603.10	3									5			
VERY STIFF tan SILTY LOAM	601.60	6	3.3	19							5			
											9			
STIFF/VERY STIFF tan SILTY CLAY LOAM	599.10	7	2.0	23							-25	4	3.1	22
												8	B	
VERY STIFF gray SILTY CLAY LOAM	596.60	6	2.1	24								7		
												12		
												16		
STIFF gray SILTY LOAM	594.10	6	1.6	21							-30	11		
												15		
												11		
SOFT dark gray SILTY LOAM	591.60	3	0.3	26								14		
												100/10"		
MEDIUM dark gray LOAM	589.10	3	0.9	24										
MEDIUM tan CLAY LOAM	586.10	4	0.7	27										
VERY STIFF gray LOAM TILL		2									-40			

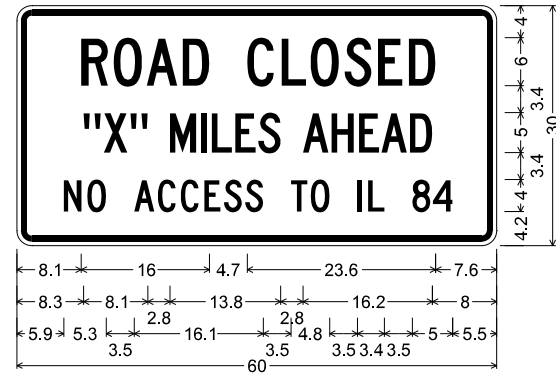
The Unconfined Compressive Strength (UCS) Failure Mode is indicated by (B-Bulge, S-Shear, P-Penetrometer)
The SPT (N value) is the sum of the last two blow values in each sampling zone (AASHTO T206)

BBS, from 137 (Rev. 8-99)

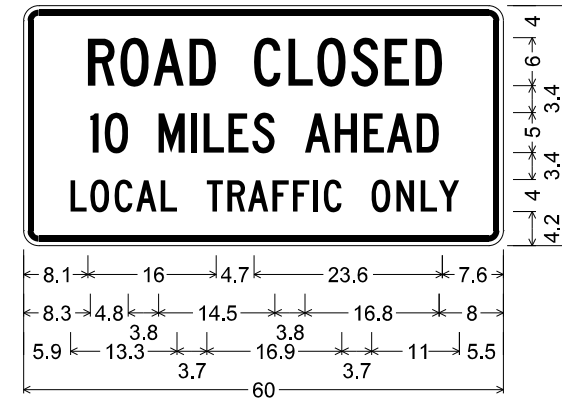
TEMPORARY SIGNING DETAILS



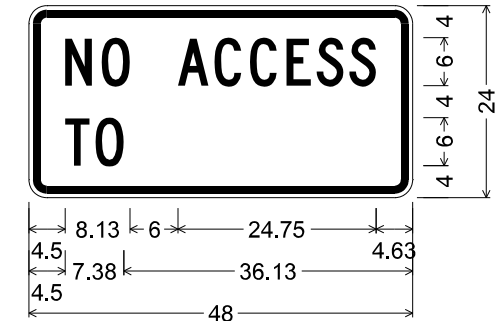
R11-3a_60x30;
 1.9" Radius, 0.8" Border, 0.5" Indent, Black on White;
 [ROAD CLOSED] C 2K specified length;
 ["X" MILES AHEAD] C 2K specified length;
 [NO ACCESS TO US 6] C 2K specified length;



R11-3a_60x30;
 1.9" Radius, 0.8" Border, 0.5" Indent, Black on White;
 [ROAD CLOSED] C 2K specified length;
 ["X" MILES AHEAD] C 2K specified length;
 [NO ACCESS TO IL 84] C 2K specified length;

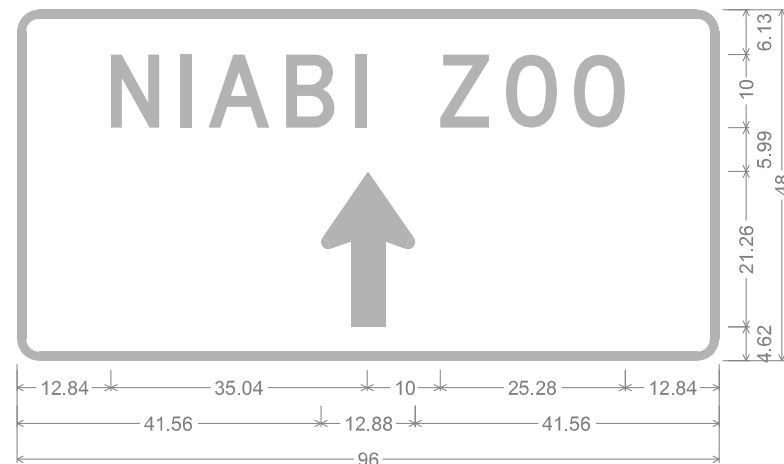


R11-3a_60x30;
 1.9" Radius, 0.8" Border, 0.5" Indent, Black on White;
 [ROAD CLOSED] C 2K specified length;
 [10 MILES AHEAD] C 2K specified length;
 [LOCAL TRAFFIC ONLY] C 2K specified length;



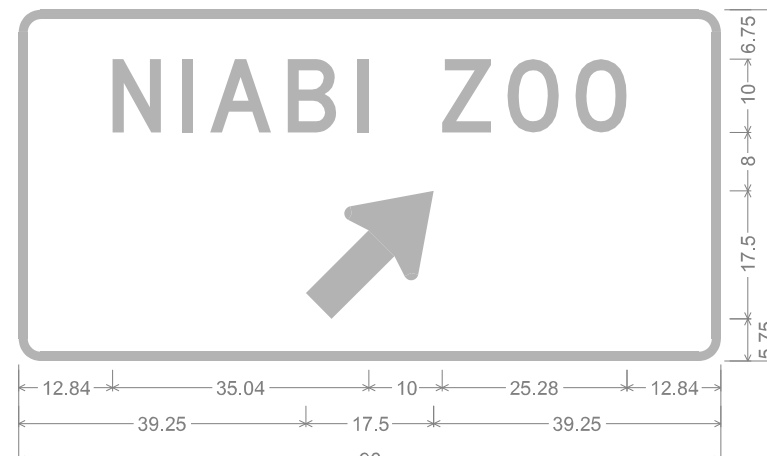
2.25" Radius, 1.00" Border, 0.50" Indent, Black on Orange;
 [NO ACCESS] C 2K;
 [TO] C 2K;
 Table of letter and object lefts.

N	0					
4.50	9.13					
	A	C	C	E	S	S
	18.63	23.25	27.63	32.25	36.00	40.13
T	0					
4.50	8.38					



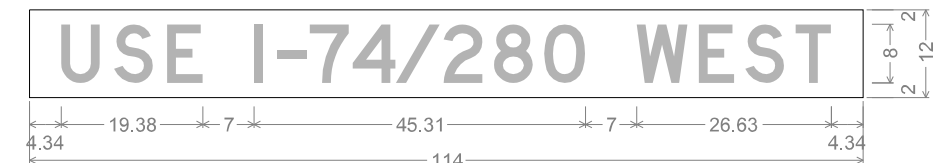
3.00" Radius, 1.25" Border, Black on Orange;
 [NIABI ZOO] D 120% spacing;
 Standard Arrow Custom 21.25" X 12.88" 90°;
 Table of widths and spaces.

12.84	N	6.71	2.82	I	1.56	2.25	A	8.36	2.25	B	6.72	2.81	I	1.56
				Z	10.00	6.72	2.25	O	7.03	2.25	O	7.03	12.84	
41.56				↑	12.88								41.56	



3.00" Radius, 1.25" Border, Black on Orange;
 [NIABI ZOO] D 120% spacing;
 Standard Arrow Custom 22.25" X 13.50" 45°;
 Table of widths and spaces.

12.84	N	6.71	2.82	I	1.56	2.25	A	8.36	2.25	B	6.72	2.81	I	1.56
				Z	10.00	6.72	2.25	O	7.03	2.25	O	7.03	12.84	
39.25				↗	17.50								39.25	



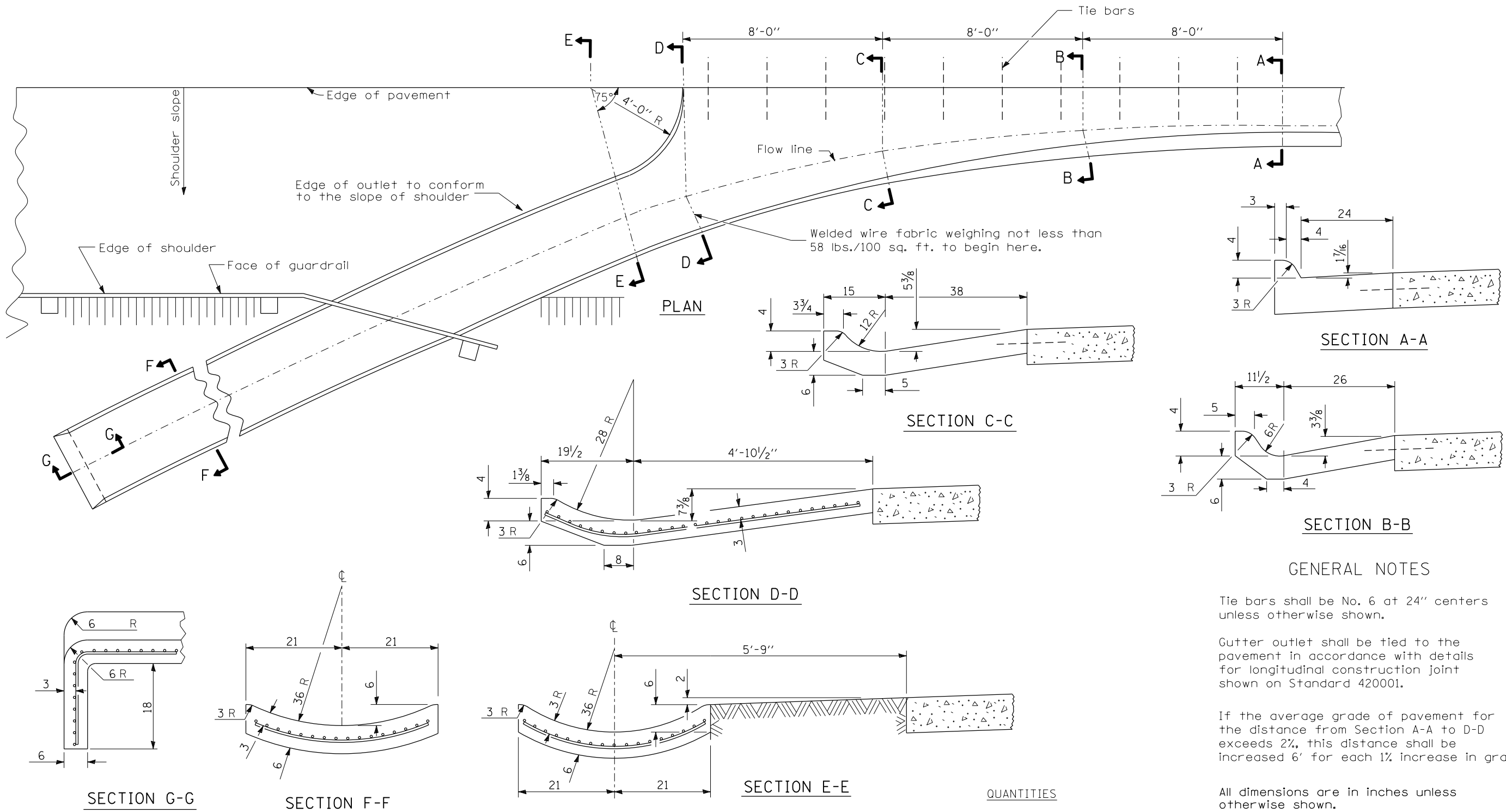
No border, Orange;
 [USE I-74/280 WEST] Black D;
 Table of widths and spaces.

4.34	U	5.38	1.87	S	5.38	1.87	E	4.88						
	I	7.00	1.25	1.87	-	4.00	0.50	7	5.38	0.50	4	5.87	0.00	/
	W	7.00	7.00	1.50	E	4.88	1.50	S	5.37	1.50	T	4.88	4.34	
														2
														114

NOTE:

THIS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR TRAFFIC CONTROL AND PROTECTION (SPECIAL)

OUTLET FOR CURB & GUTTER TYPE M-4.24



GENERAL NOTES

Tie bars shall be No. 6 at 24" centers unless otherwise shown.

Gutter outlet shall be tied to the pavement in accordance with details for longitudinal construction joint shown on Standard 420001.

If the average grade of pavement for the distance from Section A-A to D-D exceeds 2%, this distance shall be increased 6' for each 1% increase in grade.

All dimensions are in inches unless otherwise shown.

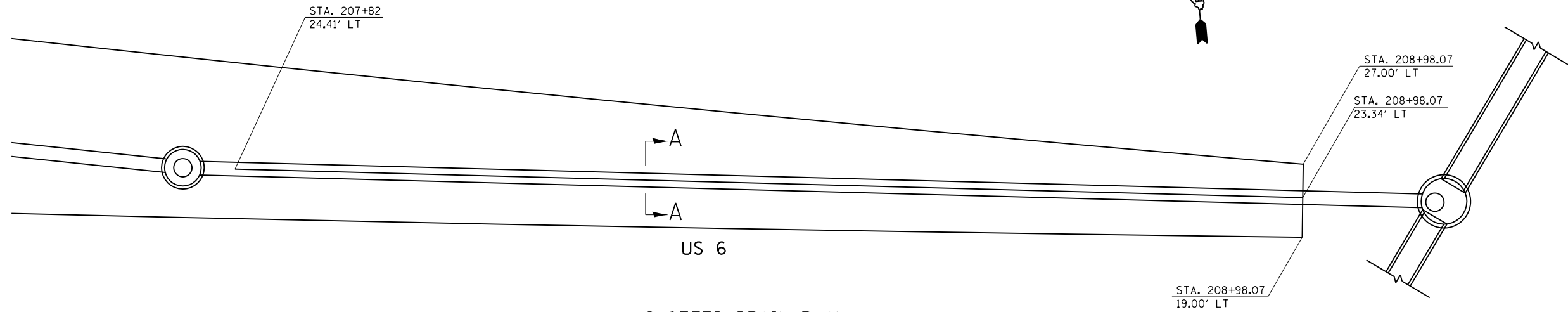
QUANTITIES

For Section A-A to E-E and curtain wall =
2.40 cu. yds. concrete for 9" pav't.

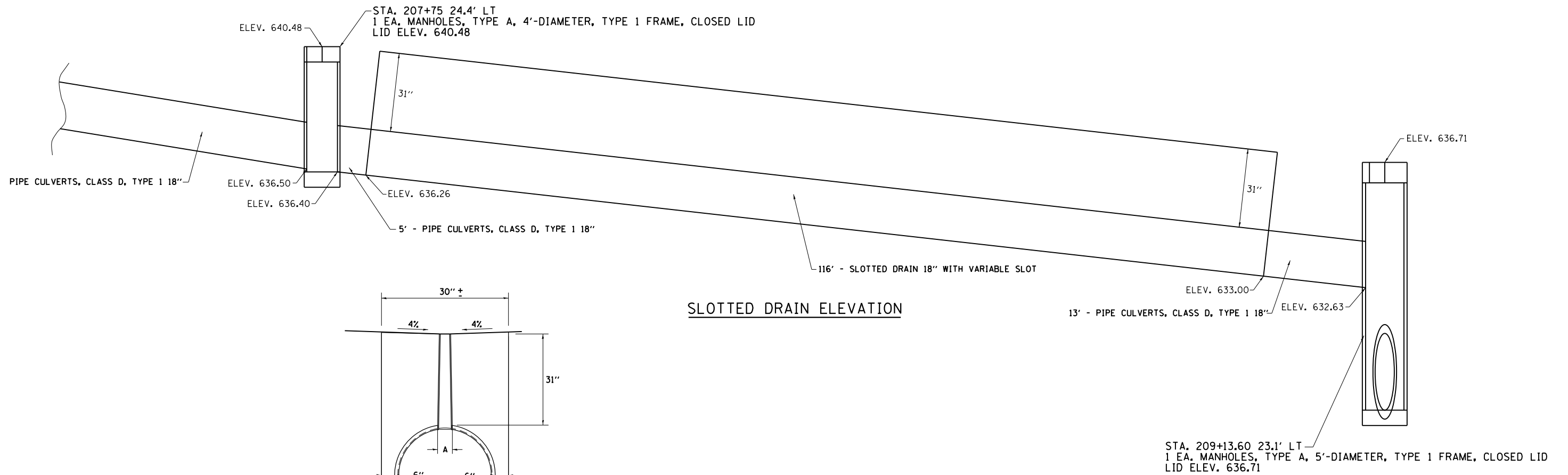
For Section F-F =
0.069 cu. yds. concrete per ft.

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	OUTLET FOR CURB & GUTTER TYPE M-4.24		* 5789 (US 6) & 5861 (IL 84)	
et:\pw\work\p\idot\cushmenbw\d0333009\201709-sh1-details.dgn	DRAWN -	REVISED -	F.A.U. R.T.E.				SECTION	COUNTY
PLOT SCALE = 100.0000' / 1".	CHECKED -	REVISED -	*		2R-1	HENRY	235	95
PLOT DATE = Fri Aug 01 09:51:28 2014	DATE -	REVISED -	CONTRACT NO. 64J43		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			

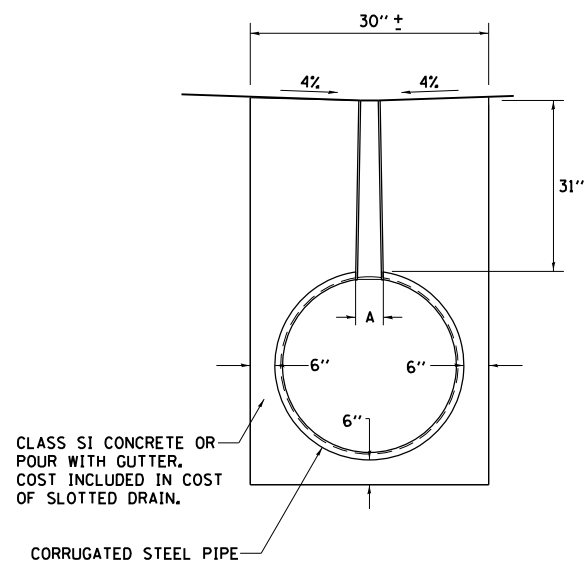
SLOTTED DRAIN DETAIL



SLOTTED DRAIN PLAN



SLOTTED DRAIN ELEVATION



SLOTTED DRAIN SECTION A-A

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

SEE DIST. STD. 15.1 FOR ADDITIONAL DETAILS

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
et:\pw\work\p\dot\cushmenbw\d0333009\p201709-sh1-details.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 09:52:01 2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

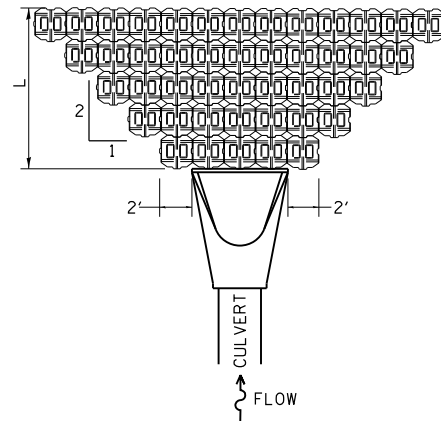
SLOTTED DRAIN DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

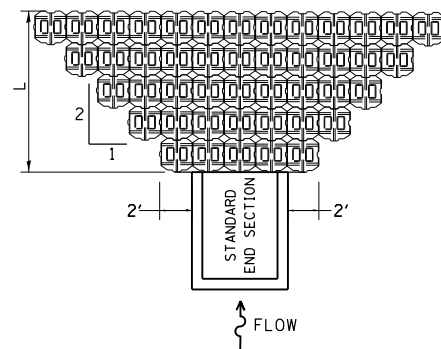
* 5789 & 5861

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	96
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

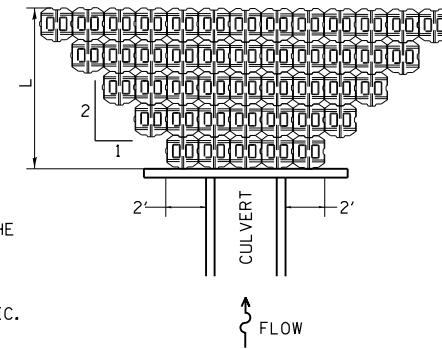
ARTICULATED BLOCK REVETMENT MAT DETAIL



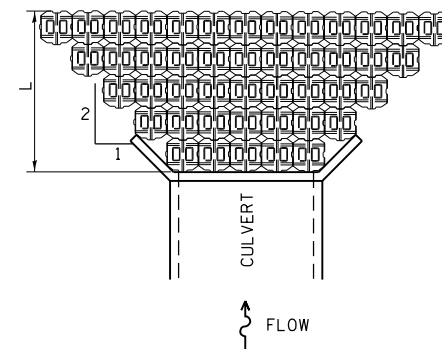
FLARED END SECTION



STANDARD END SECTION



CULVERT WITH HEADWALL



CULVERT WITH WING WALLS

THIS WORK SHALL BE DONE IN ACCORDANCE TO THE APPLICABLE PORTIONS OF SECTION 285 OF THE STANDARD SPECIFICATIONS FOR ARTICULATED BLOCK REVETMENT MAT AND SECTION 282 OF THE STANDARD SPECIFICATIONS FOR FILTER FABRIC.

THE LENGTH OF BLOCK MAT (L) IS TO BE THREE (3) TIMES THE 10 YEAR CULVERT OUTLET VELOCITY, FROM THE WATERWAY INFORMATION TABLE (WIT).

IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, INSTALL BLOCK BANK TO BANK FOR LENGTH (L).

STANDARD END SECTION:
542001 (PIPE), 542011 (ELLIPTICAL)
DISTRICT STANDARD 34.1 (BOX).

ARTICULATED BLOCK REVETMENT MAT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD.

FILTER FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD.

Station Offset Velocity Slope Depth of Flow Shear Stress

		ft/s	ft/ft	ft	lb/ft ²
198+75	LT	5.74	0.0371	1.17	2.71
203+25	LT	6.62	0.0534	0.98	3.27
217+38	RT	11.4	0.1628	0.19	1.91
14+85	RT	9.01	0.0226	1.39	1.96

FILE NAME =	USER NAME = cushmenbw	DESIGNED -	REVISED -
ct:\pw\work\p\dot\cushmenbw\d0333009\p201709-sh-t-details.dgn		DRAWN -	REVISED -
Default	PLOT SCALE = 40.0000' / in.	CHECKED -	REVISED -
	PLOT DATE = Fri Aug 01 09:52:23 2014	DATE -	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

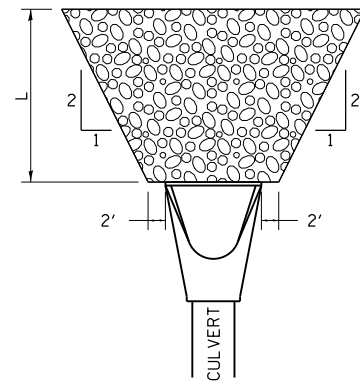
ARTICULATED BLOCK REVETMENT MAT DETAIL

SCALE: SHEET OF SHEETS STA. TO STA.

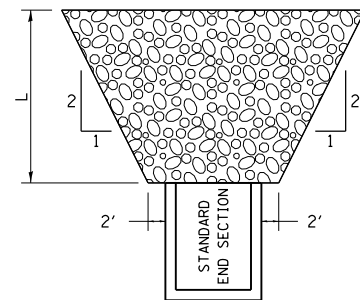
* 5789 & 5861

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	2R-1	HENRY	235	97
CONTRACT NO. 64J43			ILLINOIS FED. AID PROJECT	

RIPRAP AT END SECTIONS



FLARED END SECTION



STANDARD END SECTION

REVISED - 2-10-14

THIS WORK SHALL BE DONE IN ACCORDANCE TO THE APPLICABLE PORTIONS OF SECTION 281 OF THE STANDARD SPECIFICATIONS FOR RIPRAP AND SECTION 282 OF THE STANDARD SPECIFICATIONS FOR FILTER FABRIC.

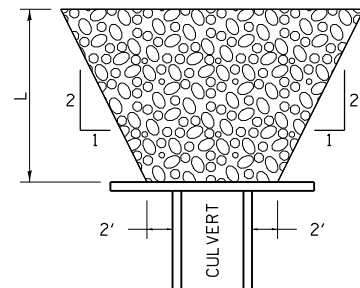
THE LENGTH OF RIPRAP (L) IS TO BE THREE (3) TIMES THE 10 YEAR CULVERT OUTLET VELOCITY, FROM THE WATERWAY INFORMATION TABLE (WIT).

IF THE CULVERT OUTLETS INTO A DEFINED CHANNEL, RIPRAP BANK TO BANK FOR LENGTH (L).

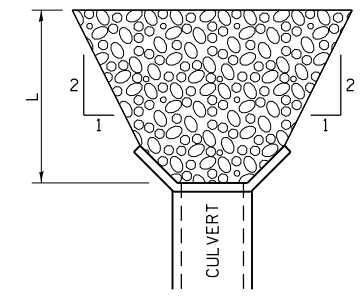
STANDARD END SECTION:
542001 (PIPE), 542011 (ELLIPTICAL)
DISTRICT STANDARD 34.1 (BOX).

RIPRAP SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER TON FOR STONE RIPRAP OF CLASS SPECIFIED.

FILTER FABRIC SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD.



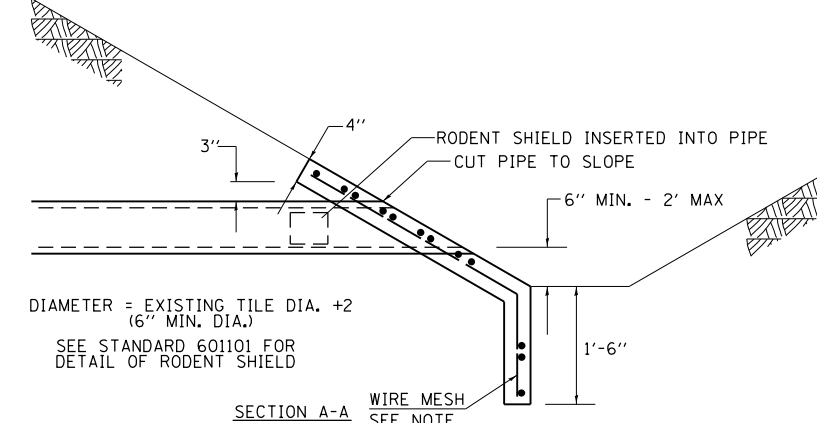
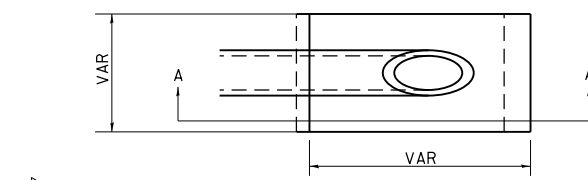
CULVERT WITH HEADWALL



CULVERT WITH WING WALLS

RIPRAP AT END SECTIONS 19.4

CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS



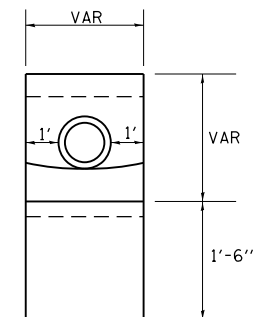
DIAMETER = EXISTING TILE DIA. +2
(6" MIN. DIA.)
SEE STANDARD 601101 FOR
DETAIL OF RODENT SHIELD

SECTION A-A WIRE MESH
SEE NOTE

REVISED - 10-09-10

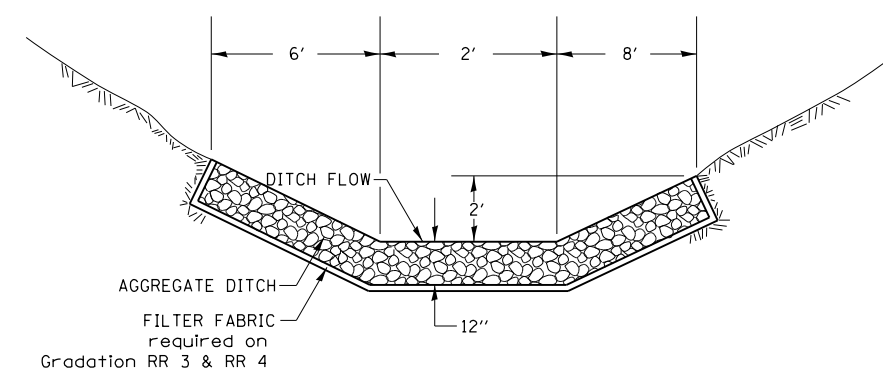
NOTES

1. ANY STORM SEWER OR FIELD TILE OUTLET INTO A DITCH SHALL HAVE A HEADWALL BUILT IN ACCORDANCE WITH THIS DETAIL.
2. COST OF FURNISHING AND INSTALLING WIRE MESH SHALL BE INCLUDED IN THE CONTRACT UNIT PRICE EACH OF THE SIZE SPECIFIED. WIRE MESH TO WEIGH NOT LESS THAN 58# PER 100 SQ. FT.



CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 28.4

AGGREGATE DITCH FOR FLEXIBLE DITCH LINING



AGGREGATE DITCH
FILTER FABRIC
required on
Gradation RR 3 & RR 4

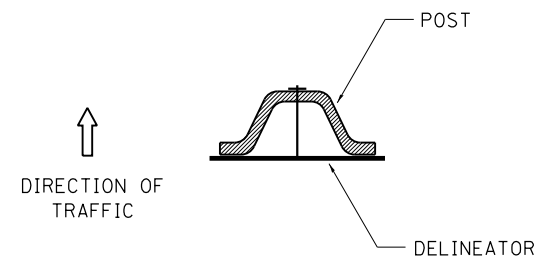
THIS WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 283. AGGREGATE DITCH WILL BE MEASURED FOR PAYMENT IN PLACE AND THE AREA COMPUTED IN SQUARE YARDS OF ACTUAL SURFACE AREA. AGGREGATE DITCH WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR STONE RIPRAP CLASS A3 OR STONE RIPRAP CLASS A4 THE FILTER FABRIC SHALL BE ACCORDING TO SECTION 282. FILTER FABRIC WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD FOR FILTER FABRIC.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.

REVISED - 7-05-12

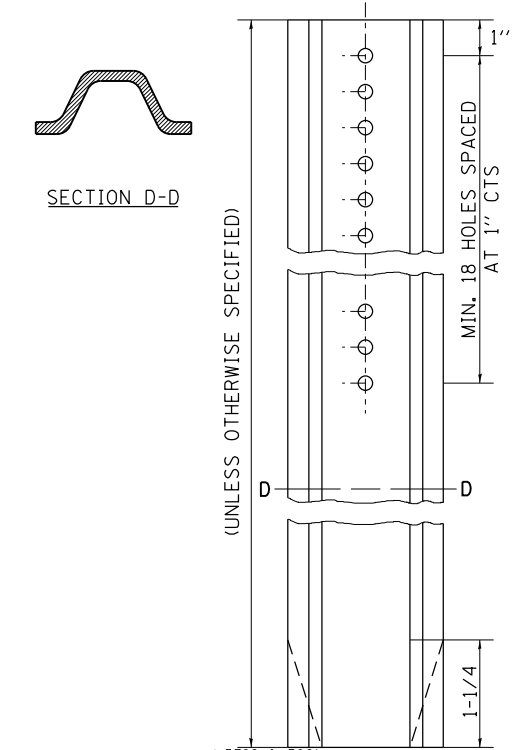
AGGREGATE DITCH FOR FLEXIBLE DITCH LINING 21.4

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 INCHES UNLESS OTHERWISE NOTED.

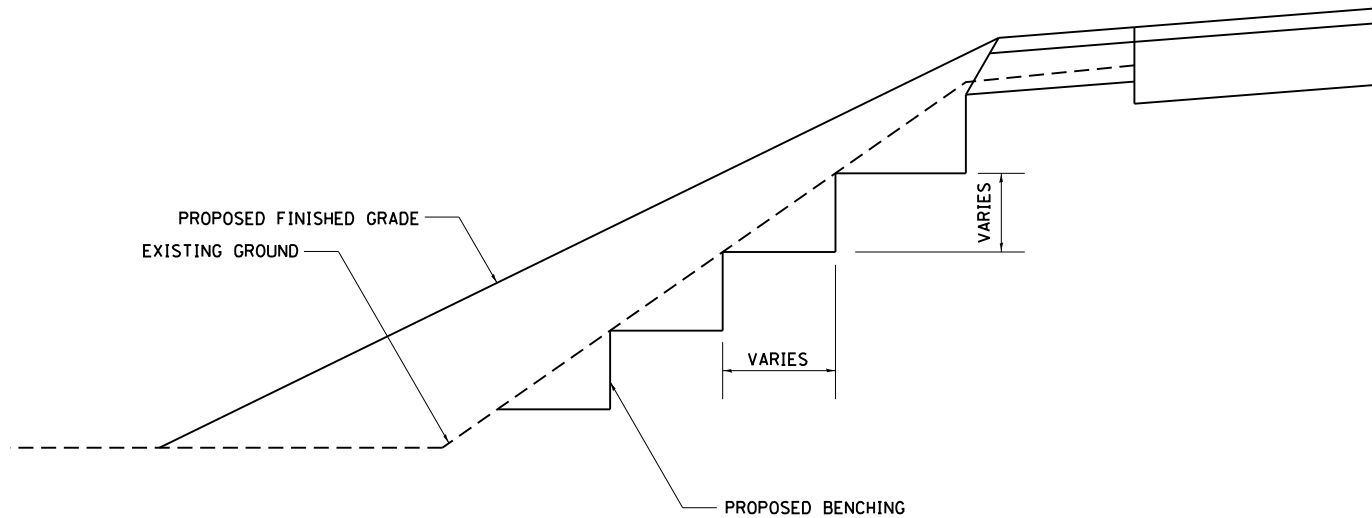


* 5789 & 5861

REVISED - 10-3-11	REGION 2 / DISTRICT 2 STANDARD		F.A.U. RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -	SCALE: 40,000' / 1"	SHEET NO. OF SHEETS STA. TO STA.	*	2R-1	HENRY	235	98
REVISED -			CONTRACT NO. 64J43				
REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

DELINEATOR AND POST ORIENTATION 37.4

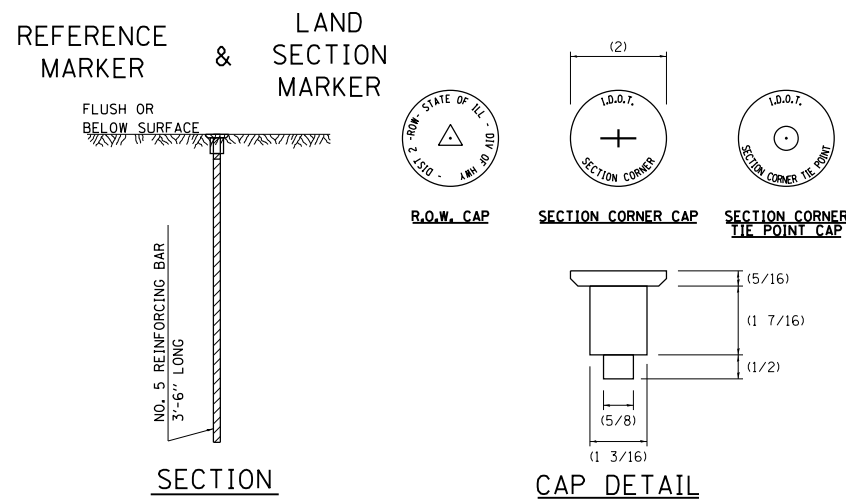
TYPICAL BENCHING ON EXISTING EMBANKMENT



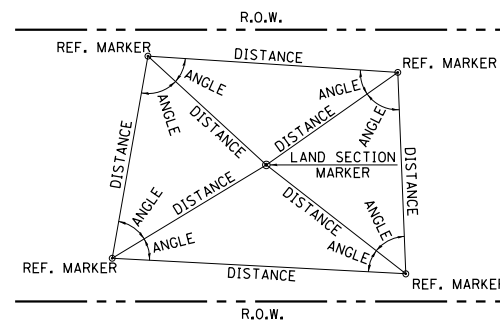
REVISED - 2-22-06

TYPICAL BENCHING ON EXISTING EMBANKMENT 50.4

LAND SECTION & REFERENCE MARKERS



METHOD OF REFERENCING MARKERS



- 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.

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.

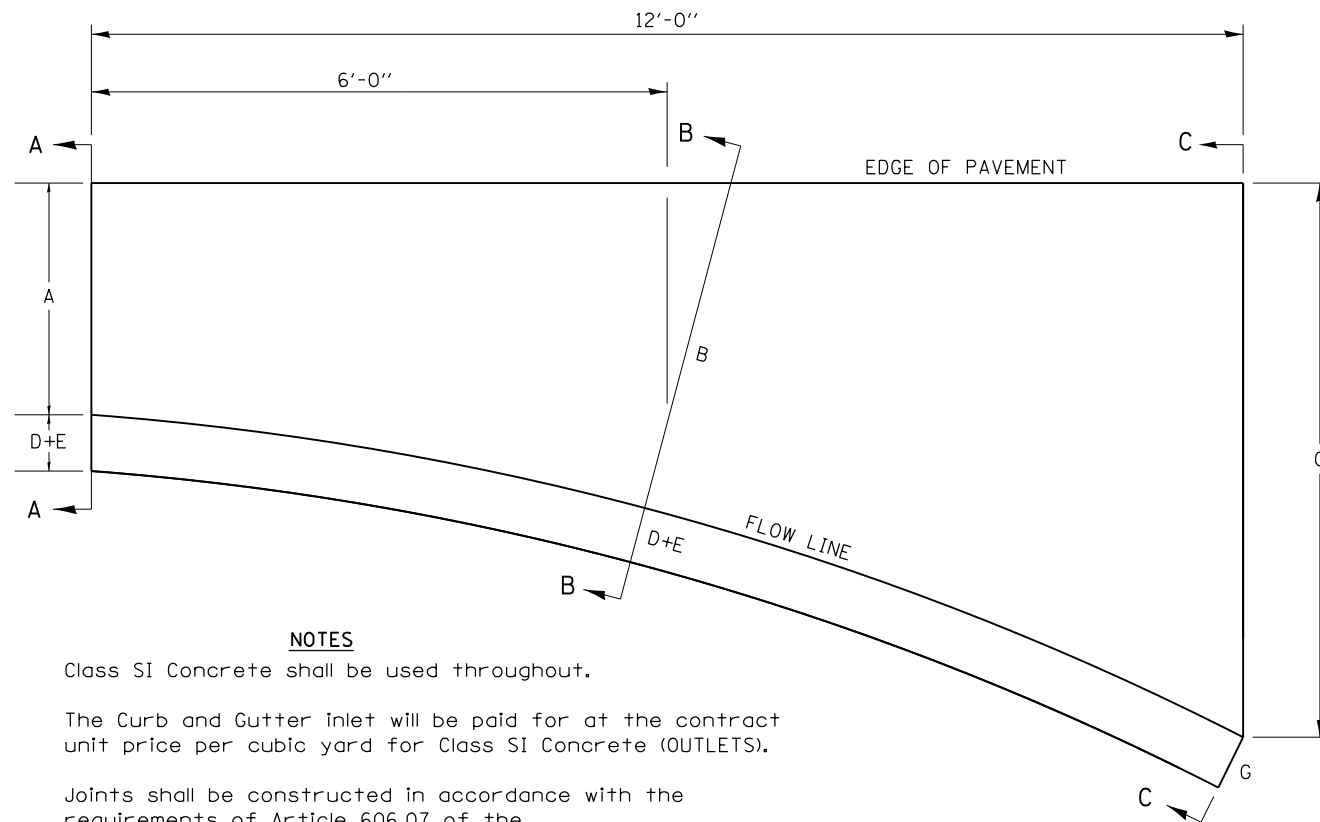
REVISED - 03-05-10

* 5789 & 5861

REVISED -	REGION 2 / DISTRICT 2 STANDARD	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED -		*	2R-1	HENRY	235	99
REVISED -		CONTRACT NO. 64J43				
REVISED -		SCALE: 40,000' / 1"	SHEET NO.	OF SHEETS	STA.	TO STA.
REVISED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

LAND SECTION & REFERENCE MARKERS 63.4

STANDARD INLET FOR CURB & GUTTER



NOTES

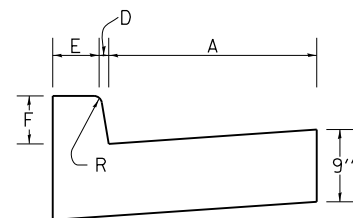
Class SI Concrete shall be used throughout.

The Curb and Gutter inlet will be paid for at the contract unit price per cubic yard for Class SI Concrete (OUTLETS).

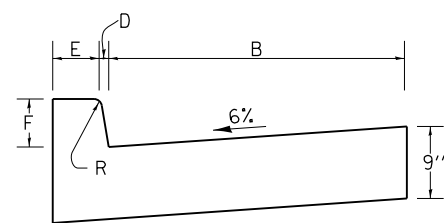
Joints shall be constructed in accordance with the requirements of Article 606.07 of the Standard Specifications.

When curb and gutter is constructed adjacent to flexible pavement, a 1" expansion joint shall be installed at construction joints.

All dimensions are in inches unless otherwise noted.

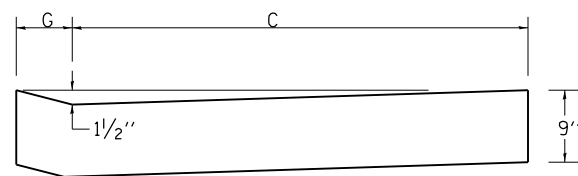


SECTION A-A



SECTION B-B

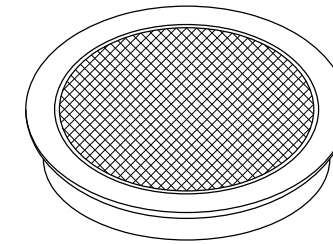
TYPE OF CURB & GUTTER	TABLE OF DIMENSIONS								CONCRETE QUANTITY A-A TO C-C (CU YDS)
	A	B	C	D	E	F	G	R	
B-6.06	6	15	4'	1	6	6	7	1	0.87
B-6.12	12	18.25	4'	1	6	6	7	1	0.95
B-6.18	18	27.25	4' 9"	1	6	6	7	1	1.18
B-6.24	24	32.4	4' 9"	1	6	6	7	1	1.30
M-4.12	12	18.25	4'	4	3	4	7	3	0.91
M-4.18	18	27.25	4' 9"	4	3	4	7	3	1.14
M-4.24	24	32.4	4' 9"	4	3	4	7	3	1.25
M-6.12	12	18.25	4'	6	2	6	8	2	0.96
M-6.18	18	27.25	4' 9"	6	2	6	8	2	1.20
M-6.24	24	32.4	4' 9"	6	2	6	8	2	1.30



SECTION C-C

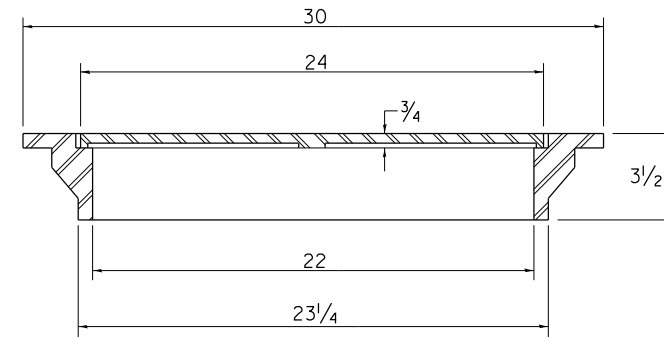
REVISED - 8-27-13
REVISED - 10-10-06

FIELD TILE JUNCTION VAULTS 2' AND 3' DIA.

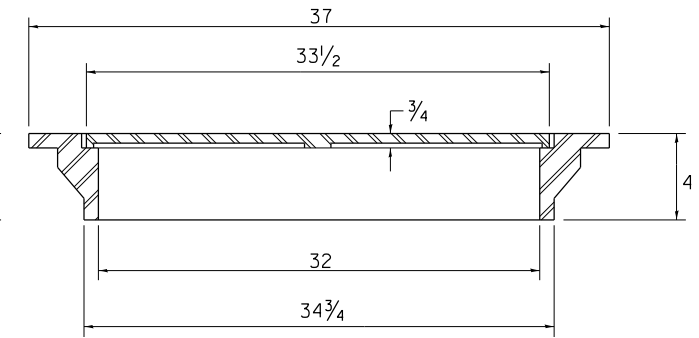


FRAME & LID FOR 2' VAULT

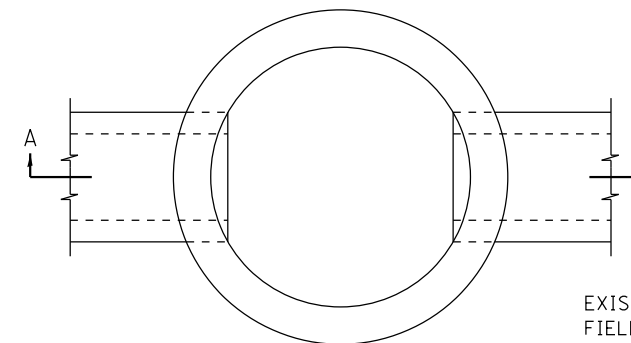
FRAME & LID FOR 3' VAULT



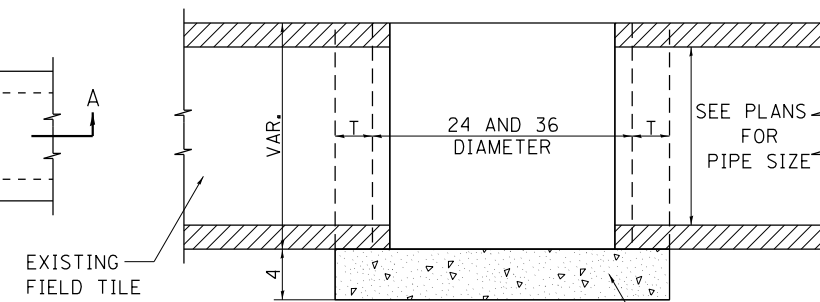
TOTAL WEIGHT: 146 LBS.



TOTAL WEIGHT: 280 LBS.



PLAN



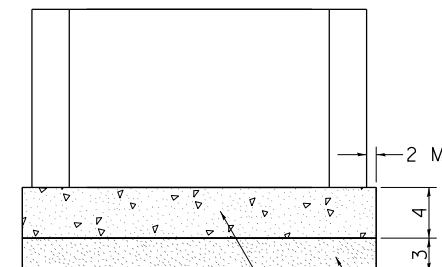
CAST-IN-PLACE CONCRETE

SECTION A-A

ALTERNATE MATERIALS FOR WALLS	T
BRICK MASONRY	8
CAST-IN-PLACE CONCRETE	6
CONCRETE MASONRY UNIT	5
PRECAST REINFORCED CONCRETE SECTION	3

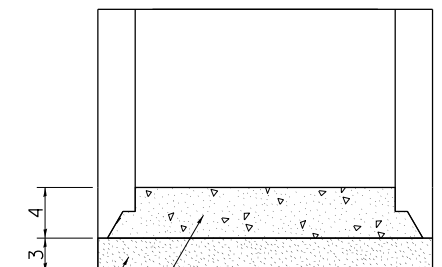
NOTE: THE FRAME AND LID IS REQUIRED ON ALL JUNCTION VAULTS.

ALL DIMENSIONS ARE IN INCHES UNLESS OTHERWISE NOTED.



PRECAST REINFORCED CONCRETE SLAB

ALTERNATE METHODS



PREFABRICATED CONCRETE SLAB, WHEN THE PRECAST REINFORCED CONCRETE SECTION ALTERNATE IS USED.

* 5789 & 5861

REVISED - 6-27-14	REGION 2 / DISTRICT 2 STANDARD		F.A.U. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
REVISED - 10-14-11			*	2R-1	HENRY	235	100
REVISED -					CONTRACT NO. 64J43		
REVISED -	SCALE: 40,0000' / 1"	SHEET NO. OF SHEETS	STA. TO STA.	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			