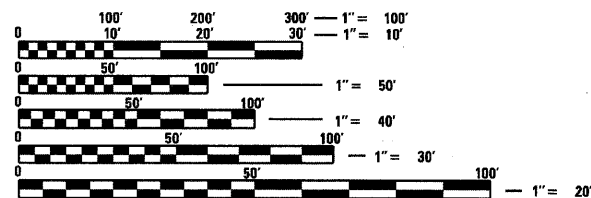


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**HIGHWAY STANDARDS**

STANDARD	DESCRIPTION
000001-06	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS
280001-05	TEMPORARY EROSION CONTROL SYSTEMS
482001-02	HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
482006-03	HMA SHOULDER ADJACENT TO RIGID PAVEMENT
601001-04	SUB-SURFACE DRAINS
602001-02	CATCH BASIN, TYPE A
602011-02	CATCH BASIN, TYPE C
602301-03	INLET, TYPE A
602401-03	MANHOLE, TYPE A
602601-02	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
602701-02	MANHOLE STEPS
604001-03	FRAME AND LIDS, TYPE 1
604006-04	FRAME AND GRATE TYPE 3
604066-02	FRAME AND LID, TYPE 15
604101-01	MEDIAN INLET FOR 24" (600 mm) REINFORCED CONCRETE PIPE
606001-04	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
606201-02	TYPE B GUTTER (INLET, OUTLET, AND ENTRANCE)
606301-04	PC CONCRETE ISLANDS AND MEDIANS
664001-02	CHAIN LINK FENCE
666001-01	RIGHT-OF-WAY MARKERS
701101-02	OFF-ROAD OPERATIONS, MULTILANE, 4.5M (15') TO 600 MM (24") FROM PAVEMENT EDGE
701106-02	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5M (15') AWAY
701421-03	LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS ≥ 45 MPH TO 55 MPH
701426-04	LANE CLOSURE, MULTILANE, INTERMITTENT OF MOVING OPERATION, FOR SPEEDS ≥ 45 MPH
701701-07	URBAN LANE CLOSURE, MULTILANE INTERSECTION
701901-01	TRAFFIC CONTROL DEVICES
720001-01	SIGN PANEL MOUNTING DETAILS
720006-02	SIGN PANEL ERECTION DETAILS
728001-01	TELESCOPING STEEL SIGN SUPPORT
731001-01	BASE FOR TELESCOPING STEEL SIGN SUPPORT
780001-02	TYPICAL PAVEMENT MARKINGS
781001-03	TYPICAL APPLICATIONS RAISED REFLECTIVE PAVEMENT MARKERS



FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

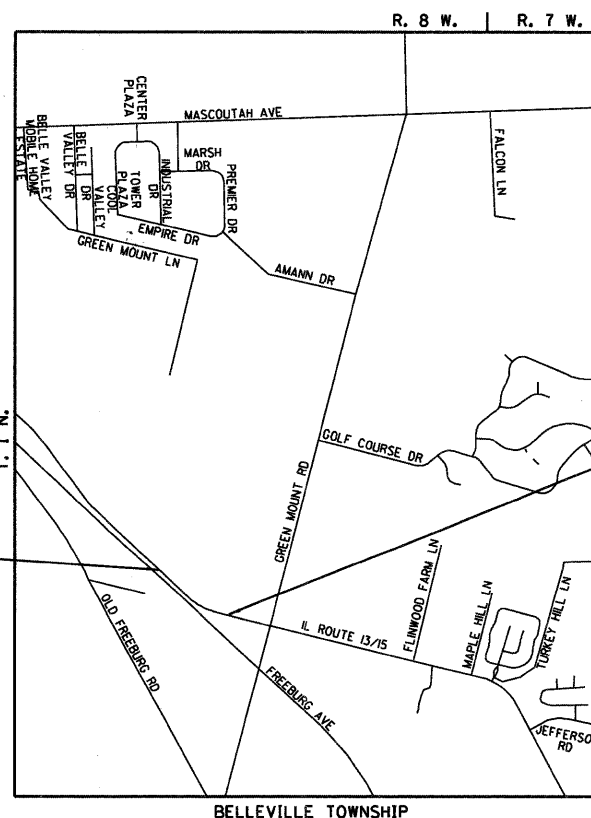
PROJECT ENGINEER: PATTI LEBEAU, (618) 346-3179  
PROJECT MANAGER: CHERYL KEPLAR, (618) 346-3186

CONTRACT NO. 76D15

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

F.A.P. ROUTE 103 (IL 13/15)  
SECTION 27-1-N

~~PROJECT.~~  
IL ROUTE 13 /15 AND ECKERT'S FARM  
INTERSECTION IMPROVEMENT  
ST. CLAIR COUNTY  
C-98-079-09



PROJECT BEGINS  
STA. 133+85.3  
LATITUDE: 38.47862  
LONGITUDE: 89.94415

PROJECT ENDS  
STA. 145+30  
LATITUDE: 38.47766  
LONGITUDE: 89.94033

APPROX. MAP SCALE:  
1" = 1.2 MILES

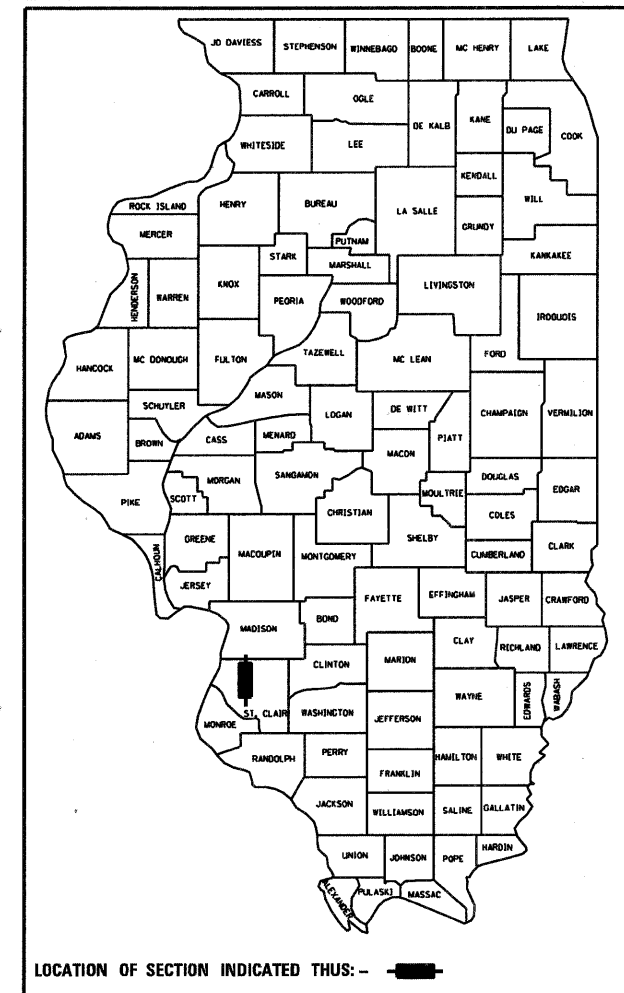
GROSS LENGTH OF PROJECT = 1,144.7 LIN. FT. = 0.22 MILES  
NET LENGTH OF PROJECT = 1,144.7 LIN. FT. = 0.22 MILES



Expires 11-30-11

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-N	ST. CLAIR	51	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 76D15		

D-98-076-09



LOCATION OF SECTION INDICATED THIS: - [black rectangle] -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS

SUBMITTED December 22 2010  
Mary C. Jamel  
DEPUTY DIRECTOR OF HIGHWAYS, REGION FIVE ENGINEER

February 4 2011  
Scott E. Stitt P.E.  
acting ENGINEER OF DESIGN AND ENVIRONMENT

February 4 2011  
Christine M. Reed  
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

PRINTED BY THE AUTHORITY  
OF THE STATE OF ILLINOIS

**GENERAL NOTES**

1. THE STANDARDS AND REVISION NUMBERS LISTED SHALL APPLY TO THIS PROJECT.
2. ILLINOIS STATE LAW REQUIRES A 48-HOUR NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY BE OBTAINED BY CONTACTING J.U.L.I.E. OR FOR NON-MEMBERS THE UTILITY COMPANY DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
  - \* AMERIN IP (GAS AND ELECTRIC)
  - \* AT&T (COMMUNICATIONS)
  - \* CITY OF BELLEVILLE (SANITARY SEWER)
  - \* CHARTER COMMUNICATIONS (CABLE TV)
  - \* ILLINOIS AMERICAN WATER COMPANY (WATER)
  - \* VERIZON BUSINESS (COMMUNICATIONS)
  - \* 360 NETWORKS USA (COMMUNICATIONS)
- MEMBERS OF J.U.L.I.E. (800)-892-0123 ARE INDICATED BY \*. NON J.U.L.I.E. MEMBERS MUST BE CONTACTED INDIVIDUALLY.
3. THE RESIDENT ENGINEER SHALL VERIFY THE EXISTENCE OF HIGHWAY LIGHTING AND/OR ITS UTILITIES WITHIN THE PROJECT LIMITS. IF HIGHWAY LIGHTING EXISTS WITHIN THE PROJECT LIMITS, AND IF THESE ITEMS REQUIRE LOCATING, THE CONTRACTOR SHALL BE DIRECTED TO DO SO ACCORDING TO SECTION 803 OF THE STANDARD SPECIFICATIONS. IF LOCATING UNDERGROUND CABLE IS NOT INCLUDED AS A PART OF THE PLANS, THIS WORK SHALL BE PAID FOR ACCORDING TO ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.
4. ALL EXISTING AND PROPOSED RIGHT-OF-WAY LINES AND PROPERTY LINES SHOWN ON THE PLAN SHEETS ARE GRAPHICAL REPRESENTATIONS AND SHALL NOT BE USED AS A MEANS TO ESTABLISH OWNERSHIP. IN ALL MATTERS RELATING TO RIGHT-OF-WAY, THE PLAT OF HIGHWAYS SHALL BE THE CONTROLLING DOCUMENT.
5. IN ADDITION TO THE FIELD SURVEYS, PLAN DIMENSIONS AND DETAILS RELATIVE TO THE EXISTING FACILITIES HAVE BEEN TAKEN FROM EXISTING PLANS AND ARE SUBJECT TO CONSTRUCTION VARIATIONS. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY SUCH DIMENSIONS AND DETAILS IN THE FIELD. SUCH VARIATIONS SHALL NOT BE A CAUSE FOR ADDITIONAL COMPENSATION DUE TO CHANGE IN THE SCOPE OF WORK. HOWEVER, THE CONTRACTOR WILL BE PAID FOR THE QUANTITY ACTUALLY FURNISHED AT THE UNIT PRICE BID FOR THE WORK.
6. THE CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND CONDITIONS IN THE FIELD PRIOR TO CONSTRUCTION AND ORDERING OF MATERIALS.
7. ALL DIMENSIONS ARE SHOWN IN FEET UNLESS NOTED, PAVEMENT THICKNESS, CULVERT SIZE, TRAFFIC SIGNAL CONDUIT SIZES, AND PAVEMENT MARKING WIDTHS ARE SHOWN IN INCHES UNLESS NOTED.
8. ABANDONED UNDERGROUND UTILITIES THAT CONFLICT WITH CONSTRUCTION SHALL BE DISPOSED OUTSIDE THE LIMITS OF RIGHT OF WAY ACCORDING TO ARTICLE 202.03 OF THE STANDARD SPECIFICATIONS AND AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID FOR SEPARATELY, BUT SHALL BE INCLUDED IN THE COST PER CUBIC YARD FOR EARTH EXCAVATION AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
9. THE THICKNESS OF BITUMINOUS MIXTURES SHOWN ON THE PLANS IS THE NOMINAL THICKNESS. DEVIATIONS FROM THE NOMINAL THICKNESS WILL BE PERMITTED WHEN SUCH DEVIATIONS OCCUR DUE TO IRREGULARITIES IN THE EXISTING SURFACE OR BASE ON WHICH THE BITUMINOUS MIXTURE IS PLACED.
10. EXCEPT AS NOTED IN THE PLANS, PAVEMENT GRADES SHOWN ARE AT THE EDGE OF PAVEMENT SURFACES.
11. ANY EARTHWORK ASSOCIATED WITH REMOVAL OR PLACEMENT OF THE GUTTER AND CURB & GUTTER SHALL BE INCLUDED IN THE COST FOR THE GUTTER AND COMBINATION CONCRETE CURB & GUTTER.
12. THE MANUFACTURER SHALL SPECIFICALLY RECOMMEND ALL EROSION CONTROL PRODUCTS FURNISHED FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATE BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURERS RECOMMENDED INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.
13. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTORS EXPENSE.
14. SEEDING WILL NOT BE PERMITTED AT ANY TIME WHEN THE GROUND IS FROZEN, WET OR IN AN UNTILLABLE CONDITION. ALL AREAS DISTURBED FOR ANY REASON SHALL BE PERMANENTLY SEEDED AS DIRECTED BY THE ENGINEER AS SOON AS POSSIBLE. ALL AREAS DISTURBED BY THE CONTRACTOR OUTSIDE THE PROPOSED CONSTRUCTION LIMITS SHALL BE SEEDED AT THE CONTRACTORS EXPENSE.
15. MULCH, UNLESS OTHERWISE PERMITTED BY THE ENGINEER, SHALL CONFORM TO METHOD 2, PROCEDURE 2 AS SPECIFIED IN ARTICLE 251.03.
16. EXISTING TREES THAT ARE NOT SHOWN ON THE PLANS AS "TO BE REMOVED" SHALL REMAIN UNDAMAGED.
17. THE EXISTING ROAD SIGNS THAT INTERFERE WITH CONSTRUCTION WILL BE REMOVED OR RELOCATED AS DIRECTED BY THE ENGINEER. AFTER THE CONSTRUCTION IS COMPLETED, THE CONTRACTOR WILL REPLACE THE SIGNS AS DIRECTED BY THE ENGINEER. THIS WORK WILL NOT BE PAID SEPARATELY BUT SHALL BE CONSIDERED INCLUDED IN THE CONTRACT AND NO COMPENSATION WILL BE ALLOWED. DAMAGE IS THE CONTRACTORS RESPONSIBILITY.
18. EXCAVATION ADJACENT TO EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH STEADY BURN LIGHTS.
19. "ROAD CONSTRUCTION AHEAD" SIGNS SHALL BE PLACED AT EACH END OF THE PROJECT PLUS THE INTERSECTING SIDE ROADS, AND WILL BE INCLUDED IN THE TRAFFIC CONTROL PAY ITEMS. ALL CONSTRUCTION SIGNS SHALL BE FLUORESCENT ORANGE 48" X 48".
20. THE CONTRACTOR SHALL FURNISH AND INSTALL TWO WEIGHTED SANDBAGS ON ALL TYPE I AND TYPE II BARRICADES USED.
21. ALL TEMPORARY PAVEMENT MARKINGS WILL BE PLACED IN SUCH A MANNER SO AS NOT TO INTERFERE WITH THE PLACEMENT OF PERMANENT PAVEMENT MARKINGS.
22. SHORT-TERM PAVEMENT MARKING SHALL BE APPLIED TO THE MILLED, PRIMED AND FINAL BITUMINOUS SURFACE WHEN THE ROADWAY IS OPEN TO TRAFFIC BETWEEN THESE OPERATIONS. ONLY THE REMOVAL OF THE FINAL SURFACE APPLICATION SHALL BE PAID FOR AS WORK ZONE PAVEMENT MARKING REMOVAL - SQ FT. A QUANTITY FOR TEMPORARY PAVEMENT MARKING EQUAL TO THE AMOUNT OF PERMANENT SKIP DASH 4" THERMOPLASTIC PAVEMENT MARKING HAS BEEN ADDED TO THE PLANS.
23. THE TRANSITION FROM PROPOSED B-6.24 C & G TO PROPOSED B-6.12 C & G WILL OCCUR WITHIN THE PROPOSED MEDIAN NOSE. THE TRANSITION WILL BE INCLUDED IN THE UNIT PRICE PER SQUARE FOOT FOR "CONCRETE MEDIAN, TYPE SB-6.24".
24. FLAG AND CURB TRANSITIONS OF PROPOSED B-6.24 C & G OR PROPOSED B-6.12 C & G TO MATCH EXISTING B-9.24 C & G WILL OCCUR IN 6 FEET. THIS WORK WILL BE MEASURED AND PAID AT THE UNIT PRICE PER FOOT FOR "COMBINATION CONCRETE CURB AND GUTTER" OF THE TYPE SPECIFIED.
25. THE CURB OF ALL PROPOSED CURB AND GUTTER SHALL TRANSITION IN 6 FEET FROM FULL HEIGHT TO THE GRADES OF ABUTTING SHOULDERS AND ENTRANCES. THE COST OF THIS TRANSITION WILL BE INCLUDED IN THE UNIT PRICE PER FOOT FOR "COMBINATION CURB AND GUTTER" OF THE TYPE SPECIFIED.
26. THE REMOVAL OF AGGREGATE ENTRANCES SHALL BE PAID FOR AS "EARTH EXCAVATION".
27. GROUNDWATER LEVELS MAY ENCRUCH ON THE CONSTRUCTION LIMITS FOR THE BOX CULVERT. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO CONTROL THE GROUNDWATER 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 WILL BE INCLUDED IN THE CONTRACT UNIT PRICE FOR THE BOX CULVERT.
28. A QUANTITY OF REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL IS INCLUDED IN THE PLANS FOR THE BOX CULVERT. THE REMOVAL DEPTH IS 3 FEET BELOW THE BOTTOM WALL OF THE PROPOSED CULVERT. THE EXCAVATION LIMITS ARE 2 FEET OUTSIDE EACH VERTICAL CULVERT WALL AND 2 FEET OUTSIDE THE END SECTION. THE RESULTING EXCAVATION SHALL BE BACKFILLED WITH POROUS GRANULAR EMBANKMENT WITHIN THE LIMITS DESCRIBED ABOVE UP TO THE BOTTOM WALL OF THE PROPOSED BOX CULVERT.
29. A QUANTITY OF TRENCH BACKFILL IS PROVIDED IN THE PLANS FOR THE BOX CULVERT. PLACEMENT AND COMPACTION OF TRENCH BACKFILL SHALL CONFORM TO ARTICLE 502.10 OF THE STANDARD SPECIFICATIONS EXCEPT THAT THE MATERIAL SHALL BE COMPACTED TO A MINIMUM OF 95% OF THE STANDARD LABORATORY DENSITY. THE PAY LIMITS ARE WITHIN 2 FEET OF THE BACK OF CURB AND EXTEND 2 FEET OUTSIDE EACH VERTICAL CULVERT WALL AT THE BASE OF THE CULVERT FLOOR AND EXTEND VERTICALLY TO THE BOTTOM OF THE PROPOSED SUBGRADE. THIS WORK SHALL BE INCLUDED IN THE UNIT PRICE PER CUBIC YARD FOR TRENCH BACKFILL.
30. CONNECTING PROPOSED PIPE UNDERDRAINS TO EXISTING UNDERDRAINS OR DRAINAGE STRUCTURES SHALL BE INCLUDED IN THE COST OF "PIPE UNDERDRAINS" AND PIPE UNDERDRAINS (SPECIAL) OF THE SIZE SPECIFIED.
31. TEMPORARY PAVEMENT MARKING IS INCLUDED FOR NEWLY CONSTRUCTED PAVEMENT ONLY. THE EXISTING PAVEMENT MARKING WILL NOT BE IMPACTED BY PROPOSED WIDENING. PRIOR TO FINAL STRIPING EXISTING PAVEMENT MARKING SHALL BE REMOVED AND RESTRIPEID.

**HOT-MIX ASPHALT REQUIREMENTS**

MIXTURE TYPE	THICKNESS	AC TYPE	VOIDS
<b>MAINLINE TURN LANES</b>			
HOT-MIX ASPHALT BASE COURSE WIDENING	12"	PG 64-22	4% @ 70 Gyr
POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	2"	SBS PG 76-22	4% @ 70 Gyr
<b>MAINLINE SHOULDER</b>			
HOT-MIX ASPHALT SHOULDER	10"	PG 64-22	2% @ 30 Gyr
<b>ACCESS ROAD R1 AND CITY STREET</b>			
HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10" - CONSISTING OF:			
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70 (IL 9.5 mm)	2"	PG 64-22	4% @ 70 Gyr
HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	8"	PG 64-22	4% @ 70 Gyr

UNIT WEIGHT USED TO CALCULATE HOT-MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN.  
WHEN RAP EXCEEDS 20%, THE NEW ASPHALT BINDER IN THE MIX SHALL BE PG 58-22.

COMMITMENTS: NONE

PERTINENT INFORMATION - CONTACT 1 WEEK PRIOR TO ENTRANCE CLOSURE:

WEIL TRAILER SALES MR. JAMES LOMBARDO 1320 EAST ILLINOIS HWY 15 BELLEVILLE, IL 62221 618-236-2444	ECKERT'S COUNTRY STORE AND FARMS MR. CHRIS ECKERT 901 SOUTH GREEN MOUNT RD. BELLEVILLE, IL 62220 618-779-8646
---	---

# SUMMARY OF QUANTITIES

SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0004 100% STATE	-----	-----	CODE NO	ITEM	UNIT		0004 100% STATE	-----	-----
20101100	TREE TRUNK PROTECTION	EACH	2	2		44004250	PAVED SHOULDER REMOVAL	SQ YD	958	958			
20200100	EARTH EXCAVATION	CU YD	3311	3311		48102100	AGGREGATE WEDGE SHOULDER, TYPE B	TON	181	181			
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	183	183		48203037	HOT-MIX ASPHALT SHOULDERS, 10"	SQ YD	680	680			
20700220	POROUS GRANULAR EMBANKMENT	CU YD	121	121		50105220	PIPE CULVERT REMOVAL	FOOT	66	66			
20800150	TRENCH BACKFILL	CU YD	152	152		54001001	BOX CULVERT END SECTIONS, CULVERT NO. 1	EACH	2	2			
*25000210	SEEDING, CLASS 2A	ACRE	1.25	1.25		54010503	PRECAST CONCRETE BOX CULVERTS 5' X 3'	FOOT	93	93			
*25000400	NITROGEN FERTILIZER NUTRIENT	POUND	113	113		550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	40	40			
*25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	113	113		550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	51	51			
*25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	113	113		550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	3	3			
*25100115	MULCH, METHOD 2	ACRE	3	3		60107600	PIPE UNDERDRAINS 4"	FOOT	539	539			
*25100630	EROSION CONTROL BLANKET	SQ YD	5319	5319		60108100	PIPE UNDERDRAINS 4" (SPECIAL)	FOOT	15	15			
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	250	250		60201305	CATCH BASINS, TYPE A, 4' -DIAMETER, TYPE 15 FRAME AND LID	EACH	1	1			
28000305	TEMPORARY DITCH CHECKS	FOOT	83	83		60209005	CATCH BASINS, TYPE C, WITH MEDIAN INLET (604101)	EACH	1	1			
28000400	PERIMETER EROSION BARRIER	FOOT	2282	2282		60218400	MANHOLES, TYPE A, 4' -DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	1	1			
28000500	INLET AND PIPE PROTECTION	EACH	3	3		60237000	INLETS, TYPE A, TYPE 15 FRAME AND LID	EACH	1	1			
28000510	INLET FILTERS	EACH	9	9		X6024240	INLETS, SPECIAL	EACH	2	2			
28100105	STONE RIPRAP, CLASS A3	SQ YD	801	801		60255800	MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID	EACH	1	1			
28200200	FILTER FABRIC	SQ YD	801	801		60260100	INLETS TO BE ADJUSTED	EACH	5	5			
31100910	SUBBASE GRANULAR MATERIAL, TYPE A 12"	SQ YD	6026	6026		60500050	REMOVING CATCH BASINS	EACH	1	1			
31101900	SUBBASE GRANULAR MATERIAL, TYPE C	TON	64	64		60602800	CONCRETE GUTTER, TYPE B	FOOT	348	348			
35400520	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 12"	SQ YD	114	114		60603400	GUTTER OUTLET (SPECIAL)	EACH	1	1			
35600724	HOT-MIX ASPHALT BASE COURSE WIDENING, 12"	SQ YD	1611	1611		60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	866	866			
40600200	BITUMINOUS MATERIALS (PRIME COAT)	TON	11	11		60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1750	1750			
40600300	AGGREGATE (PRIME COAT)	TON	9	9		60618300	CONCRETE MEDIAN SURFACE, 4 INCH	SQ FT	5817	5817			
40603540	POLYMERIZED HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	194	194		60620000	CONCRETE MEDIAN, TYPE SB-6.24	SQ FT	321	321			
40701881	HOT-MIX ASPHALT PAVEMENT (FULL-DEPTH), 10"	SQ YD	3134	3134		66600105	FURNISHING AND ERECTING RIGHT OF WAY MARKERS	EACH	16	16			
44000100	PAVEMENT REMOVAL	SQ YD	1204	1204									
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	516	516									
44000400	GUTTER REMOVAL	FOOT	354	354									
44003100	MEDIAN REMOVAL	SQ FT	8856	8856									

\*SPECIALTY ITEM

FILE NAME =	USER NAME = conoverpj	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>	F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
ca:\pwork\puidot\conoverpj\d0146755\d816at5-sht-plan.dgn		DRAWN -	REVISED -			103	27-1-N	ST. CLAIR	50	3	
		CHECKED -	REVISED -			CONTRACT NO. 76D15					
		DATE -	REVISED -			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT					

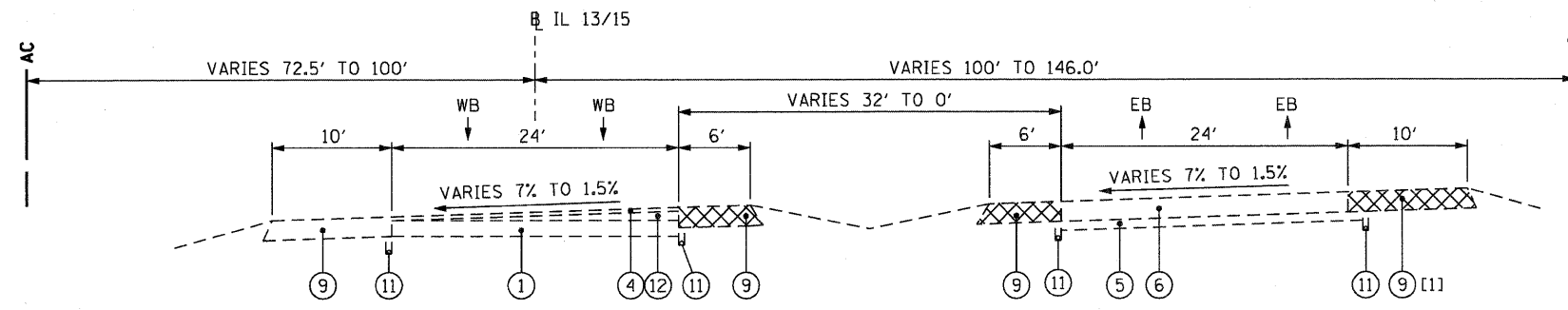
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# SUMMARY OF QUANTITIES

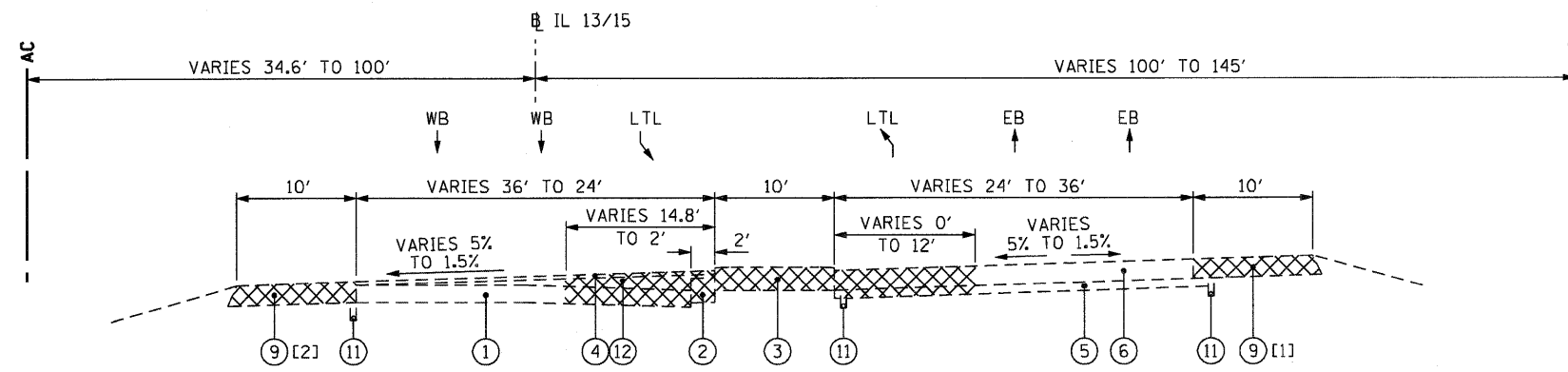
SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE			SUMMARY OF QUANTITIES			URBAN TOTAL QUANTITIES	CONSTRUCTION TYPE CODE		
CODE NO	ITEM	UNIT		0004 100% STATE URBAN	-----	-----	CODE NO	ITEM	UNIT		0004 100% STATE URBAN	-----	-----
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	5	5		*78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	73	73			
67100100	MOBILIZATION	L SUM	1	1		*78200300	PRISMATIC CURB REFLECTOR	EACH	55	55			
70100310	TRAFFIC CONTROL AND PROTECTION, STANDARD 701421	L SUM	1	1		78300100	PAVEMENT MARKING REMOVAL	SQ FT	2332	2332			
<del>70101700</del>	<del>TRAFFIC CONTROL AND PROTECTION</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>		78300200	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL	EACH	35	35			
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1	1		X0301894	REMOVE AND REINSTALL CONCRETE HEADWALL FOR PIPE UNDERDRAIN	EACH	1	1			
70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	92	92		<del>X7013015</del>	<del>TRAFFIC CONTROL FOR ROAD CLOSURE</del>	<del>L SUM</del>	<del>1</del>	<del>1</del>			
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	12	12		*X7800200	PAINT PAVEMENT MARKING CURB	FOOT	225	225			
70300100	SHORT TERM PAVEMENT MARKING	FOOT	407	407		Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1			
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	47	47		<del>Z0018100</del>	<del>DRAINAGE STRUCTURES TO BE ADJUSTED</del>	<del>EACH</del>	<del>5</del>	<del>5</del>			
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	569	569		Z0022800	FENCE REMOVAL	FOOT	421	421			
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	373	373		Z0040530	PIPE UNDERDRAIN REMOVAL	FOOT	12	12			
*72000100	SIGN PANEL - TYPE 1	SQ FT	62	62									
*72400100	REMOVE SIGN PANEL ASSEMBLY - TYPE A	EACH	8	8									
*72400200	REMOVE SIGN PANEL ASSEMBLY - TYPE B	EACH	2	2									
*72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	1	1									
<del>72400600</del>	<del>REMOVE SIGN COMPLETE</del>	<del>SQ FT</del>	<del>51</del>	<del>51</del>									
*72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	46	46									
*73000100	WOOD SIGN SUPPORT	FOOT	34	34									
*73100100	BASE FOR TELESCOPING STEEL SIGN SUPPORT	EACH	5	5									
*78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	141	141									
*78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6121	6121									
*78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	163	163									
*78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	74	74									
*78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	1176	1176									

\*SPECIALTY ITEM

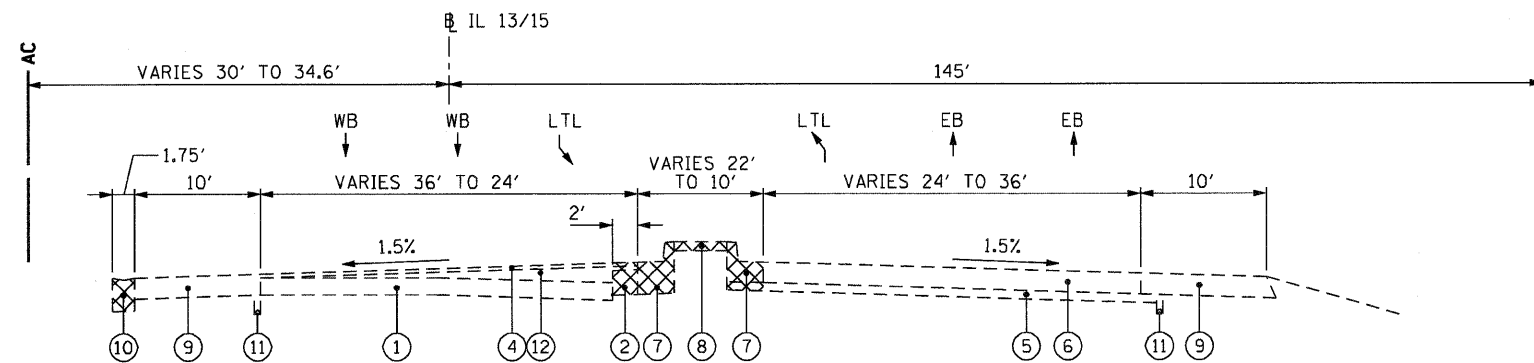
FILE NAME =	USER NAME = conoverpj	DESIGNED - ---	REVISED - ---	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUMMARY OF QUANTITIES</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
c:\pwwork\midot\conoverpj\d0146755\d876d15-shr-plan.dgn		DRAWN - ---	REVISED - ---		103	27-1-N	ST. CLAIR	50	3A	CONTRACT NO. 76D15		
PLOT SCALE = 50.0000' / IN.		CHECKED - ---	REVISED - ---		SCALE: _____	SHEET NO. 2 OF 2 SHEETS	STA. _____	TO STA. _____	FED. ROAD DIST. NO. _____ ILLINOIS FED. AID PROJECT			
PLOT DATE = 12/21/2010		DATE - _____	REVISED - ---									



IL 13/15  
 STA 133+85 TO STA 137+06  
 STA 137+06 TO STA 137+77 - MEDIAN OPENING  
 [1] STA 136+94.4 TO STA 137+77.0



IL 13/15  
 STA 137+77 TO STA 142+04  
 STA 142+04 TO STA 142+38 - MEDIAN OPENING  
 [1] STA 137+77.0 TO STA 137+90.2  
 STA 139+02.1 TO STA 140+63.9  
 [2] STA 138+91.2 TO STA 140+86.6



IL 13/15  
 STA 142+38 TO STA 145+30

EXISTING TYPICAL SECTIONS

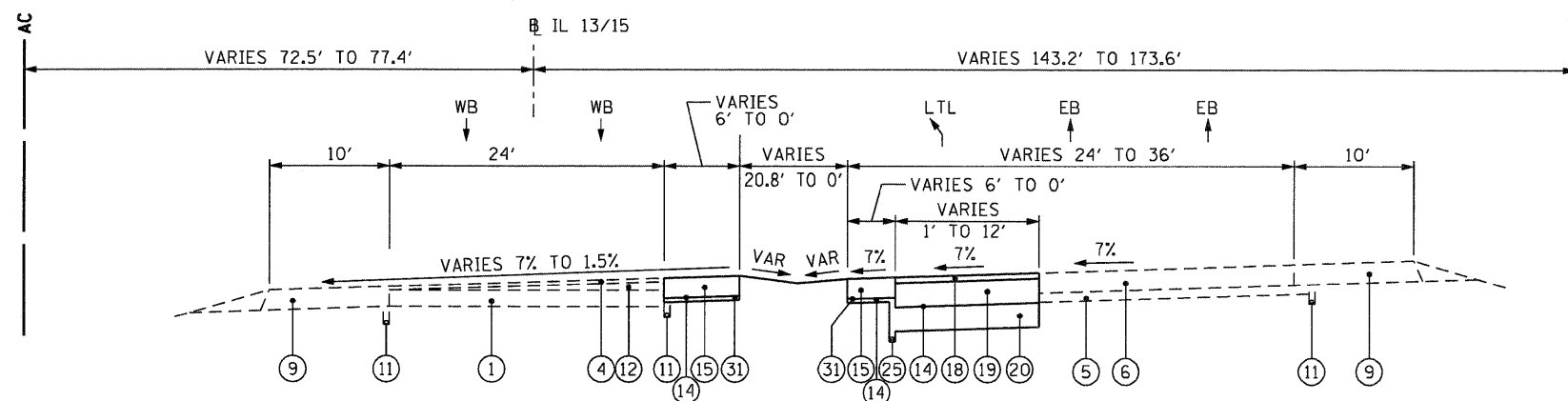
- ① EX PAVEMENT (TYPE UNKNOWN)
- ② EX PCC BASE COURSE, 9"
- ③ EX CORRUGATED MEDIAN
- ④ EX HMA SURFACE COURSE, 1"
- ⑤ EX STABILIZED SUB-BASE, 4"
- ⑥ EX PCC PAVEMENT, 10"
- ⑦ EX CURB & GUTTER, TYPE B-9.24
- ⑧ EX CONCRETE MEDIAN SURFACE, TYPE P, 4"
- ⑨ EX HMA SHOULDER, 10"
- ⑩ EX GUTTER, TYPE B
- ⑪ EX PIPE UNDERDRAIN, 4"
- ⑫ EX LEVELING BINDER
- ⑬ PR AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ BITUMINOUS MATERIALS (PRIME COAT)
- ⑮ PR HMA SHOULDER, 10"
- ⑯ PR CONCRETE MEDIAN SURFACE, 4"
- ⑰ PR COARSE AGGREGATE FILL - INCLUDED IN COST OF MEDIAN SURFACE
- ⑱ PR POLYMERIZED HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑲ PR HMA BASE COURSE WIDENING, 12"
- ⑳ PR SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- ㉑ PR CURB & GUTTER, B-6.24
- ㉒ PR CURB & GUTTER, B-6.12
- ㉓ PR CONCRETE GUTTER, TYPE B

NO. 6 X 24" EPOXY COATED DEFORMED TIE BARS DRILLED AND GROUTED IN PLACE AT 24" C-C SPACING PER STANDARD 606001. COST INCLUDED IN CURB AND GUTTER.

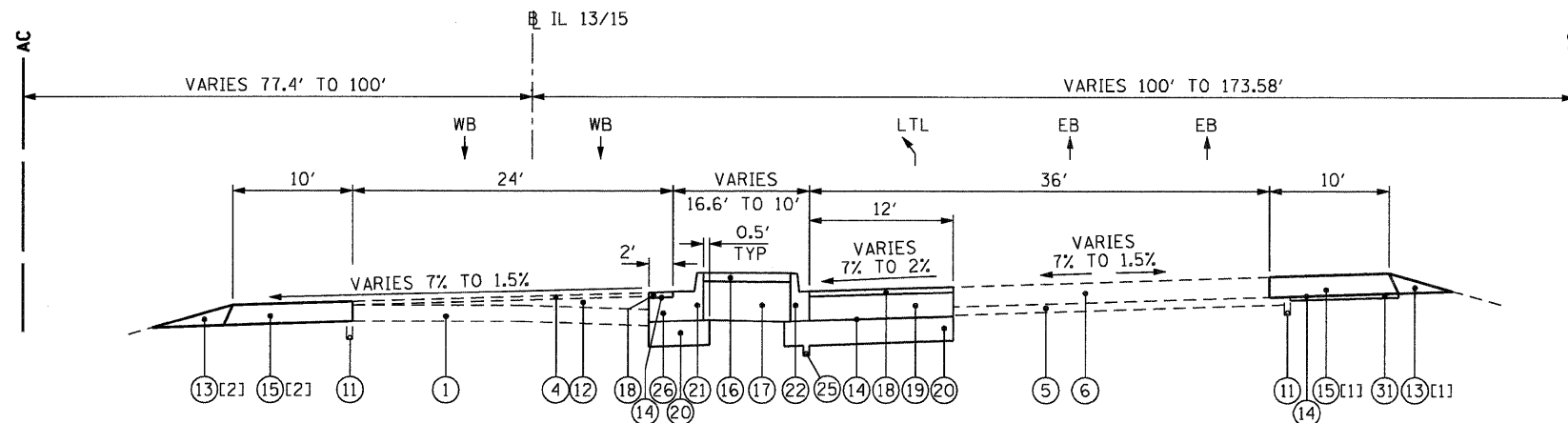
- ㉔ PR PIPE UNDERDRAINS 4"
  - ㉕ PR PCC BASE COURSE WIDENING 12" (CONSTRUCTED MONOLITHICALLY WITH CURB & GUTTER)
  - ㉖ PR HMA PAVEMENT (FULL-DEPTH), 10"
- |         |                                      |
|---------|--------------------------------------|
| SURFACE | HMA SURFACE COURSE, MIX "C", N70, 2" |
| BINDER  | HMA BINDER COURSE, IL 19.0 N70, 8"   |

- ㉗ EMBANKMENT AS REQUIRED (SEE CROSS SECTIONS)
- ㉘ SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- ㉙ COMPACTED CA-6. QUANTITY INCLUDED IN EMBANKMENT END AREAS PER EARTHWORK SCHEDULE. COST SHALL BE INCLUDED IN EARTH EXCAVATION.
- ㉚ SUB-BASE GRANULAR MATERIAL, TYPE C, VARIES

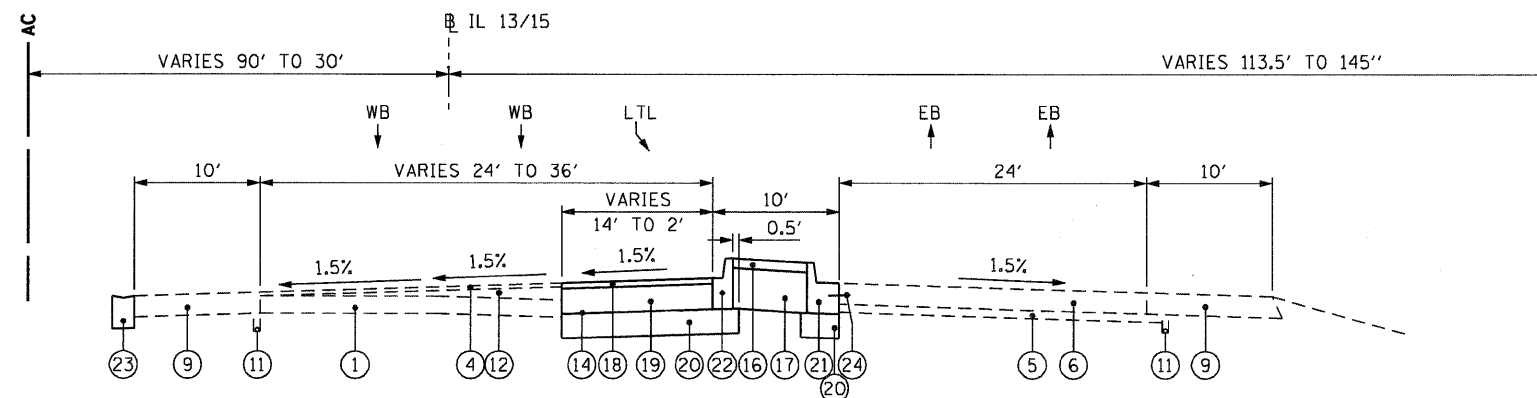




IL 13/15  
STA 133+85 TO STA 135+00



IL 13/15  
STA 135+00 TO STA 139+22  
[ 1 ] STA 136+94.4 TO STA 137+90.2 [ 2 ] STA 138+91.2 TO STA 139+23.2  
STA 139+02.1 TO STA 139+31.9 STA 140+50.3 TO STA 140+86.6  
STA 140+40.7 TO STA 140+63.9



IL 13/15  
STA 140+59 TO STA 145+30  
STA 139+22 TO 140+59 - MEDIAN OPENING

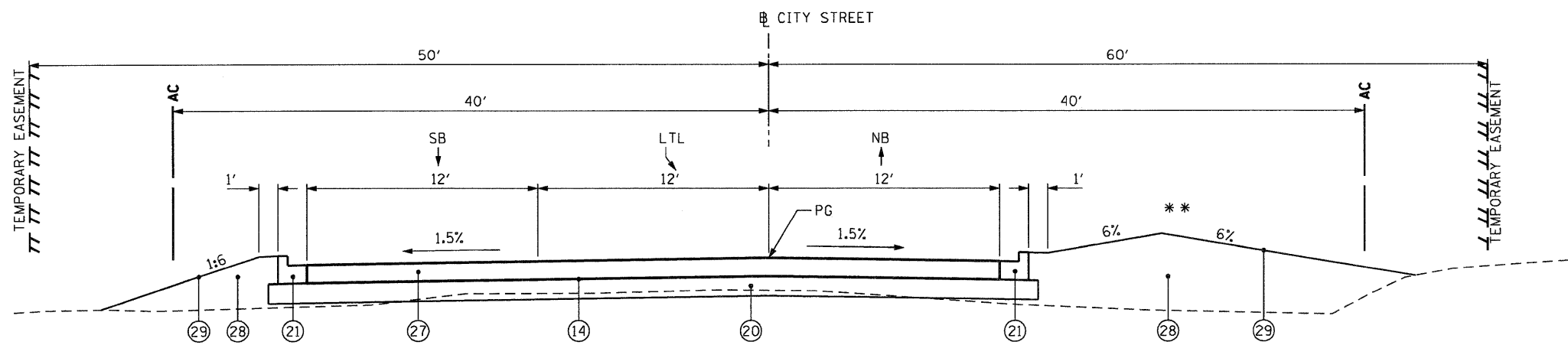
PROPOSED TYPICAL SECTIONS

- ① EX PAVEMENT (TYPE UNKNOWN)
- ② EX PCC BASE COURSE, 9"
- ③ EX CORRUGATED MEDIAN
- ④ EX HMA SURFACE COURSE, 1"
- ⑤ EX STABILIZED SUB-BASE, 4"
- ⑥ EX PCC PAVEMENT, 10"
- ⑦ EX CURB & GUTTER, TYPE B-9.24
- ⑧ EX CONCRETE MEDIAN SURFACE, TYPE P, 4"
- ⑨ EX HMA SHOULDER, 10"
- ⑩ EX GUTTER, TYPE B
- ⑪ EX PIPE UNDERDRAIN, 4"
- ⑫ EX LEVELING BINDER
- ⑬ PR AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ BITUMINOUS MATERIALS (PRIME COAT)
- ⑮ PR HMA SHOULDER, 10"
- ⑯ PR CONCRETE MEDIAN SURFACE, 4"
- ⑰ PR COARSE AGGREGATE FILL - INCLUDED IN COST OF MEDIAN SURFACE
- ⑱ PR POLYMERIZED HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑲ PR HMA BASE COURSE WIDENING, 12"
- ⑳ PR SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- ㉑ PR CURB & GUTTER, B-6.24
- ㉒ PR CURB & GUTTER, B-6.12
- ㉓ PR CONCRETE GUTTER, TYPE B

⑳ NO. 6 X 24" EPOXY COATED DEFORMED TIE BARS DRILLED AND GROUTED IN PLACE AT 24" C-C SPACING PER STANDARD 606001. COST INCLUDED IN CURB AND GUTTER.

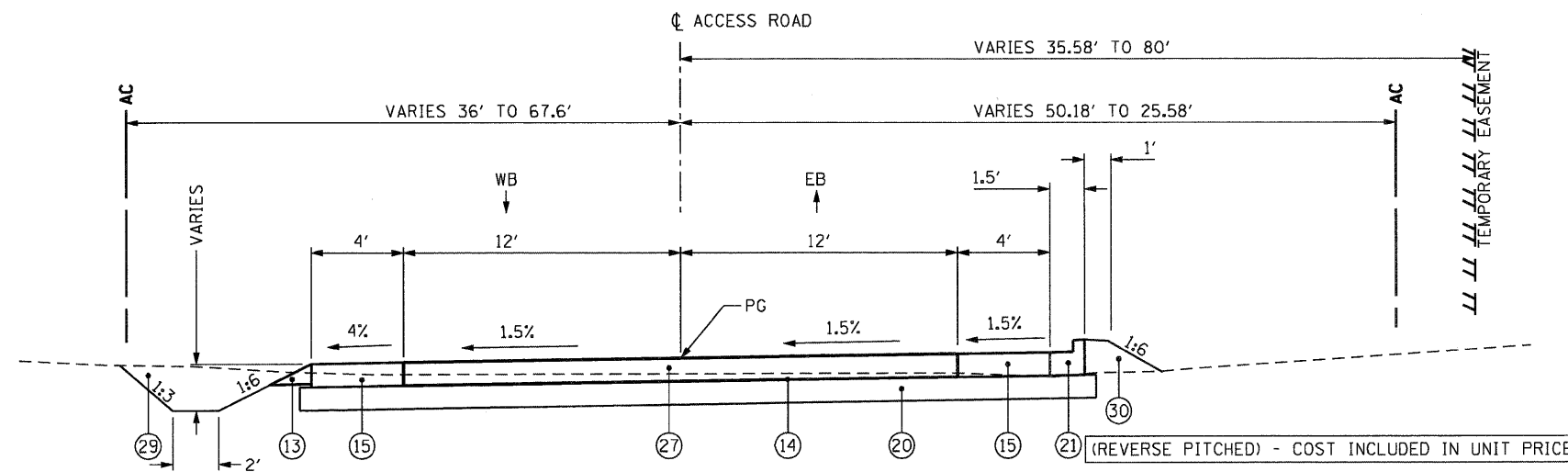
- ㉔ PR PIPE UNDERDRAINS 4"
- ㉕ PR PCC BASE COURSE WIDENING 12" (CONSTRUCTED MONOLITHICALLY WITH CURB & GUTTER)
- ㉖ PR HMA PAVEMENT (FULL-DEPTH), 10"
- ⑳ SURFACE HMA SURFACE COURSE, MIX "C", N70, 2"
- ㉗ BINDER HMA BINDER COURSE, IL 19.0 N70, 8"
- ㉘ EMBANKMENT AS REQUIRED (SEE CROSS SECTIONS)
- ㉙ SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- ㉚ COMPACTED CA-6. QUANTITY INCLUDED IN EMBANKMENT END AREAS PER EARTHWORK SCHEDULE. COST SHALL BE INCLUDED IN EARTH EXCAVATION.
- ㉛ SUB-BASE GRANULAR MATERIAL, TYPE C, VARIES

FILE NAME = 0876015-sh1-typical2.dgn	USER NAME = dwoznarski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 5
PLOT SCALE = 15.00' / IN.	DRAWN - DMW	CHECKED -	REVISED -		SCALE: 1" = 10'	SHEET NO. 2 OF 3 SHEETS	STA. 133+00 TO STA. 146+00	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
PLOT DATE = 9/14/2010	DATE - 7/9/2010	REVISOR -	REVISOR -		CONTRACT NO. 76015							



CITY STREET SECTION

\*\* BERM REQUIRED TO SEPARATE DRAINAGE AREAS



ACCESS ROAD R1 SECTION

PROPOSED TYPICAL SECTIONS

- ① EX PAVEMENT (TYPE UNKNOWN)
- ② EX PCC BASE COURSE, 9"
- ③ EX CORRUGATED MEDIAN
- ④ EX HMA SURFACE COURSE, 1"
- ⑤ EX STABILIZED SUB-BASE, 4"
- ⑥ EX PCC PAVEMENT, 10"
- ⑦ EX CURB & GUTTER, TYPE B-9.24
- ⑧ EX CONCRETE MEDIAN SURFACE, TYPE P, 4"
- ⑨ EX HMA SHOULDER, 10"
- ⑩ EX GUTTER, TYPE B
- ⑪ EX PIPE UNDERDRAIN, 4"
- ⑫ EX LEVELING BINDER
- ⑬ PR AGGREGATE WEDGE SHOULDER, TYPE B
- ⑭ BITUMINOUS MATERIALS (PRIME COAT)
- ⑮ PR HMA SHOULDER, 10"
- ⑯ PR CONCRETE MEDIAN SURFACE, 4"
- ⑰ PR COARSE AGGREGATE FILL - INCLUDED IN COST OF MEDIAN SURFACE
- ⑱ PR POLYMERIZED HMA SURFACE COURSE, MIX "D", N70, 2"
- ⑲ PR HMA BASE COURSE WIDENING, 12"
- ⑳ PR SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- ㉑ PR CURB & GUTTER, B-6.24
- ㉒ PR CURB & GUTTER, B-6.12
- ㉓ PR CONCRETE GUTTER, TYPE B
- ㉔ NO. 6 X 24" EPOXY COATED DEFORMED TIE BARS DRILLED AND GROUTED IN PLACE AT 24" C-C SPACING PER STANDARD 606001. COST INCLUDED IN CURB AND GUTTER.
- ㉕ PR PIPE UNDERDRAINS 4"
- ㉖ PR PCC BASE COURSE WIDENING 12" (CONSTRUCTED MONOLITHICALLY WITH CURB & GUTTER)
- ㉗ PR HMA PAVEMENT (FULL-DEPTH), 10"
- ⑳ SURFACE HMA SURFACE COURSE, MIX "C", N70, 2"
- ㉙ BINDER HMA BINDER COURSE, IL 19.0 N70, 8"
- ㉚ EMBANKMENT AS REQUIRED (SEE CROSS SECTIONS)
- ㉛ SEEDING CLASS 2A WITH EROSION CONTROL BLANKET
- ㉜ COMPACTED CA-6. QUANTITY INCLUDED IN EMBANKMENT END AREAS PER EARTHWORK SCHEDULE. COST SHALL BE INCLUDED IN EARTH EXCAVATION.
- ㉝ SUB-BASE GRANULAR MATERIAL, TYPE C, VARIES

FILE NAME = 0876015-shr-typic013.dgn	USER NAME = dwoznierski	DESIGNED - DRAWN - DMW	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>PROPOSED TYPICAL SECTIONS</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 6	
PLOT SCALE = 15.00' / IN.	CHECKED -	REVISOR -	SCALE: NONE		SHEET NO. 3 OF 3 SHEETS	STA. TO STA.	CONTRACT NO. 76015						
PLOT DATE = 9/14/2010	DATE = 7/9/2010	REVISOR -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT										

**EARTHWORK SCHEDULE**

LOCATION	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	POROUS GRANULAR EMBANKMENT	EARTH EXCAVATION	EARTH EXCAVATION TO BE USED AS EMBANKMENT ADJUSTED FOR SHRINKAGE *	EMBANKMENT *	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-)
	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)	(CU YD)
IL 13/15			1,511	1,284	238	1,047
CITY STREET	183	121	450	383	865	-483
ACCESS ROAD R1			1,350	1,148	122	1,027
<b>SCHEDULE TOTAL</b>	<b>183</b>	<b>121</b>	<b>3,311</b>	<b>2,815</b>	<b>1,225</b>	<b>1,591</b>

**NOTES:**

- SHRINKAGE FACTOR USED = 15%
- (\*) PROVIDED FOR INFORMATION ONLY.
- IF QUANTITY FOR EARTHWORK BALANCE IS NEGATIVE (-), THEN THIS QUANTITY IS TO BE PAID FOR AS FURNISHED EXCAVATION.
- EMBANKMENT FOR ACCESS ROAD R1 INCLUDES CA-6 BACKFILL OF CURB AND GUTTER PER PLANS.

**DRAINAGE STRUCTURE SCHEDULE**

STR. NO	STA	OFFSET	RIM ELEV.	INVERT ELEVATION				CB TC MED INL 604101 (EACH)	CB TA 4 DIA T15F&L (EACH)	MAN TA 4 DIA T1F CL (EACH)	INLETS TA T15F&L (EACH)	INLETS TA SPL T3F&G (EACH)
				N	S	E	W					
1	134+50.00	24.30 RT	496.75			494.00		1				
2	135+03.90	28.10 RT	497.48		493.62	493.72			1			
3	136+92.70	22.80 RT	497.69			490.83			1			
4	136+50.00	22.7 RT	497.77			493.26				1		
5	10+52.00	21.95 RT	496.90								1	
6	10+52.00	37.37 LT	496.66								1	
<b>TOTAL</b>							<b>1</b>	<b>1</b>	<b>1</b>	<b>1</b>	<b>2</b>	

**STORM SEWER SCHEDULE**

PIPE RUN	SIZE (INCHES)	FROM STR.	TO STR.	SLOPE (%)	SS CL A T1 15 (FOOT)	SS CL A T1 24 (FOOT)	SS CL A T2 15 (FOOT)
1	24	1	2	0.55		51.0	
2	15	3	EX. CULV	1.67			3.0
3	15	4	3	1.00	40.0		
<b>TOTAL</b>					<b>40.0</b>	<b>51.0</b>	<b>3.0</b>

**PRECAST CONCRETE BOX CULVERT 5'X3'**

FROM STA.	OFFSET	TO STA.	OFFSET	LENGT H	BOX CULVERT END SECTION, CULVERT NO. 1 (EACH)
10+52.00	38.3 RT	10+52.00	54.10 LT	92.4	2
<b>ROUNDED TOTAL</b>					<b>93.0</b>

**PIPE CULVERT REMOVAL**

FROM STA.	OFFSET	TO STA.	OFFSET	LENGTH (FOOT)
139+64.06	244.04 LT	140+14.30	201.75 LT	65.7
<b>TOTAL</b>				<b>65.7</b>
<b>ROUNDED</b>				<b>66.0</b>

**REMOVING CATCH BASINS**

STA.	OFFSET	QTY (EA)
135+03.92	28.1 RT	1

**PIPE UNDERDRAINS 4"**

FROM STA.	OFFSET	TO STA.	OFFSET	LENGTH (FOOT)	REMARKS
133+85.30	44.5 RT	135+32.30	27.9 RT	147.9	CONNECT TO EX UNDERDRAIN
135+32.30	27.9 RT	136+92.70	24.0 RT	160.4	CONNECT TO STRUCTURE
136+92.70	24.0 RT	139+22.70	23.0 RT	230.0	CONNECT TO STRUCTURE
<b>TOTAL</b>				<b>538.4</b>	
<b>ROUNDED</b>				<b>539.0</b>	

**MANHOLES TO BE ADJUSTED WITH NEW TYPE 1 FRAME, CLOSED LID**

STATION	OFFSET	QTY (EACH)
139+92.58	88.63 RT	1
<b>TOTAL</b>		<b>1</b>

**INLETS TO BE ADJUSTED**

STA	OFFSET	QTY (EACH)
141+68.68	27.92 LT	1
141+77.00	21.46 LT	1
142+59.69	21.46 LT	1
143+95.07	21.46 LT	1
145+26.65	21.46 LT	1
<b>TOTAL</b>		<b>5</b>

**UNDERDRAIN REPAIR**

DESCRIPTION	FROM STA.	OFFSET	TO STA.	OFFSET	LENGTH (FOOT)	ROUNDED LENGTH (FOOT)	QUANTITY (EACH)
PIPE UNDERDRAIN REMOVAL	138+89.24	69.55 RT	138+89.19	81.42 RT	11.9	12.0	-
PIPE UNDERDRAINS 4" (SPECIAL)	138+89.24	69.55 RT	138+89.19	84.54 RT	15.0	15.0	-
REMOVE AND REINSTALL CONCRETE HEADWALL FOR PIPE UNDERDRAIN	138+89.19	81.42 LT	138+89.00	84.5 RT	-	-	1

**TRENCH BACKFILL**

LOCATION	QTY (CU YD)
PIPE 1	0.3
PIPE 2	1.2
PIPE 3	9.1
CULVERT NO. 1	141.0
<b>TOTAL</b>	<b>151.6</b>
<b>ROUNDED</b>	<b>152.0</b>

**REMOVALS SCHEDULE**

STATION	OFFSET	STATION	OFFSET	PAVEMENT REMOVAL (SQ YD)	PAVED SHOULDER REMOVAL (SQ YD)	GUTTER REMOVAL (FOOT)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)	MEDIAN REMOVAL (SQ FT)	FENCE REMOVAL (FOOT)
135+00.0		138+00.0		385.6					
138+00.0		143+00.0		765.9					
143+00.0		145+30.0		51.7					
136+94.4	60.5 RT	137+90.2	59.5 RT		106.4				
139+02.1	59.5 RT	140+86.6	59.5 RT		205.0				
138+91.2	11.1 LT	140+86.6	11.2 LT		217.1				
133+85.3	44.5 RT	137+06.4	29.1 RT		214.1				
133+85.3	11.9 RT	137+07.4	29.1 RT		214.7				
141+76.7		145+30.0				353.3			
137+69.4	RT						229.3		
140+16.1	RT						161.6		
142+26.6	LT						64.3		
143+64.5	LT						28.0		
144+92.1	LT						32.4		
137+76.9		142+04.2						4,232.9	
142+38.5		145+30.0						4,622.5	
139+47.3	103.61 RT	139+96.3	103.91 RT						49.0
139+96.3	103.92 RT	140+31.3	109.06 RT						35.4
140+31.3	109.06 RT	142+06.2	146.66 RT						178.9
142+06.2	146.66 RT	142+60.6	148 RT						54.5
142+60.6	148.05 RT	142+59.9	251.3 RT						103.3
<b>TOTAL</b>				<b>1,203.2</b>	<b>957.4</b>	<b>353.3</b>	<b>515.7</b>	<b>8,855.4</b>	<b>421.0</b>
<b>ROUNDED</b>				<b>1,204.0</b>	<b>958.0</b>	<b>354.0</b>	<b>516.0</b>	<b>8,856.0</b>	<b>421.0</b>



**EROSION CONTROL SCHEDULE**

STATION	OFFSET	STATION	OFFSET	PERMANENT							TEMPORARY								
				SEEDING, CLASS 2A (ACRE)	EROSION CONTROL BLANKET (SQ YD)	MULCH METHOD 2 (ACRE) *	POTASSIUM FERTILIZER NUTRIENT (POUND)	NITROGEN FERTILIZER NUTRIENT (POUND)	PHOSPHOROUS FERTILIZER NUTRIENT (POUND)	STONE RIPRAP, CLASS A3 (SQ YD)	FILTER FABRIC (SQ YD)	TEMPORARY EROSION CONTROL SEEDING (POUND)	PERIMETER EROSION BARRIER (FOOT)	INLET AND PIPE PROTECTION (EACH)	INLET FILTERS (EACH)	TREE TRUNK PROTECTION (EACH)	TEMPORARY DITCH CHECKS (FOOT)		
IL 13/15																			
133+85.3	MEDIAN	133+16.7	MEDIAN	0.04	210.8														
136+79.0	LT	139+22.0	LT	0.63	3,024.6	3	112.5	112.5	112.5	250									
140+51.4	LT	145+30.0	LT																
136+79.0	RT	139+46.6	RT	0.18	869.7														
140+24.9	RT	142+70.4	RT	0.25	1,213.2														
137+00.0	LT	139+40.9	LT																
140+33.3	LT	140+84.0	LT																
136+81.0	22.9 LT	136+81.0	72.2 LT																
136+81.0	72.2 LT	139+37.0	75.2 LT																
140+40.0	81.0 LT	141+66.0	47 LT																
141+66.0	47.0 LT	142+08.0	46 LT																
142+08.0	46 LT	142+50.0	29.8 LT																
142+50.0	29.8 RT	145+46.0	31.2 LT																
136+92.0	70.7 RT	137+15.0	75.5 RT																
137+15.0	75.5 RT	137+31.0	135.1 RT																
137+31.0	135.1 RT	138+00.0	95.4 RT																
138+00.0	95.4 RT	139+33.0	97.3 RT																
136+98.3	51.6 LT																		
137+81.6	90.8 RT																		
142+16.2	110.7 RT																		
134+50.2	24.54 RT																		
135+03.0	28.26 RT																		
139+55.7	52.03 LT																		
140+18.7	51.85 LT																		
141+68.7	27.94 LT																		
142+59.6	21.39 LT																		
143+95.0	21.6 LT																		
145+26.6	21.4 LT																		
136+92.7	22.8 RT																		
137+95.0	RT														10.0				
138+80.0	RT														13.5				
140+63.0	RT														8.0				
141+58.0	RT														8.0				
142+34.0	RT														43.0				
CITY STREET																			
10+74.0	59.0 LT	10+99.0	35.0 LT												34.7				
10+99.0	35.0 LT	12+00.0	35.0 LT												101.0				
12+00.0	35.0 LT	12+53.0	49.7 LT												55.0				
10+81.0	45.7 RT	11+50.0	43.2 RT												69.0				
11+50.0	43.2 RT	12+00.0	50 RT												50.5				
12+00.0	50 RT	12+53.0	46.8 RT												53.1				
11+75.7	44.5 RT																		
12+55.1	47.0 RT																		
ACCESS RD																			
20+69.0	86.6 LT	23+00.0	41.0 LT												235.5				
23+00.0	41.0 LT	23+50.0	43.9 LT												50.1				
23+50.0	43.9 LT	23+77.0	67.0 LT												35.5				
23+77.0	67.0 LT	24+19.0	64.3 LT												42.1				
24+19.0	64.3 LT	24+19.0	43.2 LT												21.1				
24+19.0	43.2 LT	24+19.0	67.6 RT												110.8				
24+19.0	67.6 RT	24+07.0	73.7 RT												13.5				
20+97.0	62.2 RT	23+01.0	26.5 RT												207.1				
23+01.0	26.5 RT	23+48.0	37.0 RT												48.2				
23+48.0	37 RT	23+60.0	66.7 RT												32.0				
TOTAL				1.10	5,318.3	3.0	112.5	112.5	112.5	800.2	800.2	250.0	2,282.0	3.0	9.0	2.0	82.5		
ROUNDED				1.25	5,319.0	3.0	113.0	113.0	113.0	801.0	801.0	250.0	2,282.0	3.0	9.0	2.0	83.0		

\* MULCH, METHOD 2 USED FOR TEMPORARY AND PERMANENT SEEDING.

FILE NAME = 0876015-shr-schedule2.dgn	USER NAME = dwoznarski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SCHEDULE OF QUANTITIES</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 8
PLOT SCALE = 200.00' / IN.	DRAWN - DMW	CHECKED -	REVISED -					CONTRACT NO. 76015				
PLOT DATE = 9/14/2010	DATE - 7/9/2010	REVISED -	REVISED -					SCALE: NA	SHEET NO. 2 OF 4 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT

**PAVEMENT SCHEDULE**

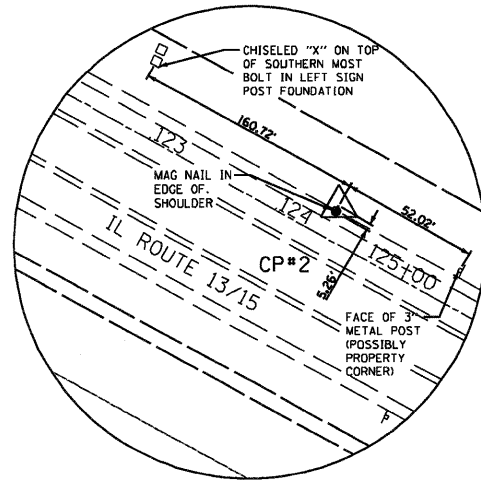
STATION	OFFSET	STATION	OFFSET	SUB-BASE GRANULAR MATERIAL, TYPE A 12" (SQ YD)	SUB-BASE GRANULAR MATERIAL, TYPE C (TON)	HOT MIX ASPHALT BASE COURSE WIDENING, 12" (SQ YD)	HOT MIX ASPHALT PAVEMENT (FULL DEPTH), 10" (SQ YD)	POLYMERIZED HOT MIX ASPHALT SURFACE COURSE, MIX "D" N70 (TON)	AGGREGATE WEDGE SHOULDER, TYPE B (TON)	HOT MIX ASPHALT SHOULDERS 10" (SQ YD)	BITUMINOUS MATERIALS (PRIME COAT) (TON)	AGGREGATE PRIME COAT (TON)	PORTLAND CEMENT CONCRETE BASE COURSE WIDENING 12" (SQ YD)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B - 6.12 (FOOT)	COMBINATION CONCRETE CURB AND GUTTER, TYPE B - 6.24 (FOOT)	CONCRETE MEDIAN SURFACE, 4 INCH (SQ FT)	CONCRETE MEDIAN TY SB-6.24 (SQ FT)	CONCRETE GUTTER TYPE B (FOOT)	GUTTER OUTLET (SPECIAL) (EACH)
IL 13/15																			
133+85.3		145+30.0		2,127.7		1,610.1		193.2			3.3	2.4							
135+00.0		139+23.0											114.0						
133+85.3	RT	135+32.4	RT		15.0				30.2	79.8	0.1	0.1							
133+85.3	RT	135+32.4	RT		11.9				30.2	61.5	0.1	0.1							
136+94.4	RT	137+90.2	RT		19.5				19.7	108.7	0.2	0.2							
138+91.2	LT	139+23.2	LT		4.7				6.6	26.0	0.0	0.0							
139+02.1	RT	139+31.9	RT		5.7				6.1	20.5	0.0	0.0							
140+40.7	RT	140+63.9	RT		3.8				4.8	15.4	0.0	0.0							
140+50.3	LT	140+86.6	LT		2.8				7.5	31.1	0.0	0.1							
135+10.0	26.9 RT	139+13.0	22.9 RT												403.1				
140+68.3	26.1 RT	145+30.0	13.3 RT												462.0				
135+09.9	14.7 RT	139+12.6	13.0 RT													402.7			
140+68.7	35.0 RT	145+30.0	23.5 RT													461.6			
135+10.0	RT	139+12.7	RT													3,237.3			
140+68.6	RT	145+30.0	RT													2,578.8			
135+05.4	20.4 RT																141.0		
139+16.8	18.3 RT																88.5		
140+64.5	29.7 RT																91.5		
141+82.0	LT	145+30.0	LT															348.0	1
CITY STREET																			
10+18.5	71.8 LT	12+52.8	24.0 LT															251.3	
10+19.0	55.3 RT	12+52.8	12.0 RT															249.9	
10+11.0		12+52.8		1,531.9			1,299.3				2.6	2.0							
ACCESS RD																			
20+69.5	RT	23+71.2	RT							169.9	0.2	0.3							
24+04.2	RT	24+19.2	RT						3.1	26.4	0.0	0.0							
20+69.2	LT	24+19.2	LT						72.0	140.2	0.2	0.2							
20+69.5	71.8 RT	23+67.2	66.0 RT													384.0			
20+59.7		24+19.2		2,366.3			1,834.2				4.0	2.8							
TOTAL				6,025.9	63.4	1,610.1	3,133.5	193.2	180.2	679.4	10.9	8.1	114.0	865.1	1,749.5	5,816.1	321.0	348.0	1.0
ROUNDED				6,026.0	64.0	1,611.0	3,134.0	194.0	181.0	680.0	11.0	9.0	114.0	866.0	1,750.0	5,817.0	321.0	348.0	1.0

**PAVEMENT MARKING SCHEDULE**

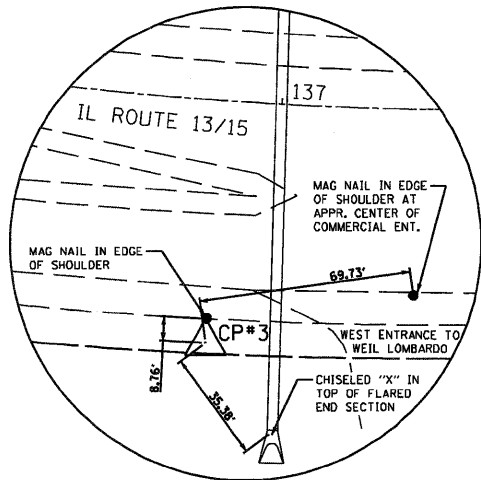
LOCATION	THERMOPLASTIC PAVEMENT MARKING						POLYUREA PAVEMENT MARKING			RAISED REFLECTIVE PAVEMENT MARKER (EACH)	PRISMATIC CURB REFLECTOR (EACH)	PAVEMENT MARKING REMOVAL (SQ FT)	PAINT PAVEMENT MARKING CURB (FOOT)	RAISED REFLECTIVE PAVEMENT MARKER REMOVAL (EACH)	TEMPORARY PAVEMENT MARKING				SHORT-TERM PAVEMENT MARKING (FOOT)	WORK ZONE PAVEMENT MARKING REMOVAL (SQ FT)
	SOLID 4" (FOOT)	SKIP DASH 4" (2' / 6') (FOOT)	SKIP DASH 4" (10' / 30') (FOOT)	SOLID 12" (FOOT)	SOLID 24" (FOOT)	LETTERS AND SYMBOLS (SQ FT)	SOLID 4" (FOOT)	SKIP DASH 4" (2' / 6') (FOOT)	SKIP DASH 4" (10' / 30') (FOOT)						SOLID 4" (FOOT)	SKIP DASH 4" (10' / 30') (FOOT)	SKIP DASH 4" (2' / 6') (FOOT)	LETTERS AND SYMBOLS (SQ FT)		
IL 13/15																				
EB	895.9	44.9				46.8	804.6	66.9	303.7	27	28.0	1,203.0	149.4	18						
WB	2,322.6	62.3	303.7			46.8				22	27.0	1,129.0	74.7	17	221.0	286.2	61.3	47	406	372
CITY STREET	705.8				54.1	46.8				12										
ACCESS RD	1,785.2			163.0	19.7					12										
SUBTOTAL	5,709.5	107.2	303.7				804.6	66.9	303.7						221.0	286.2	61.3			
TOTAL		6,120.4		163.0	73.8	140.4				73	55	2,332.0	224.1	35		568.5		46.8	406.4	372.3
ROUNDED		6,121.0		163.0	74.0	141.0				73	55	2,332.0	225.0	35		569.0		47.0	407.0	373.0



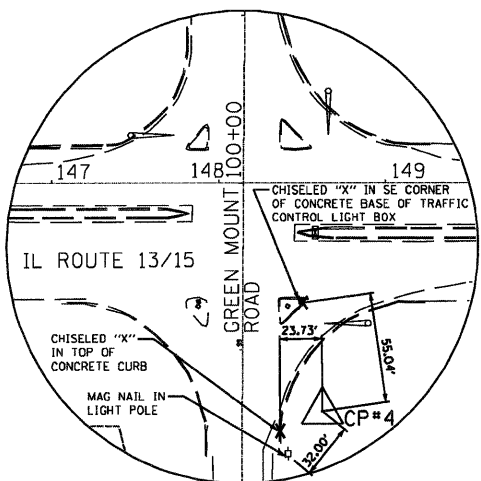
# ALIGNMENT, TIES AND BENCHMARKS



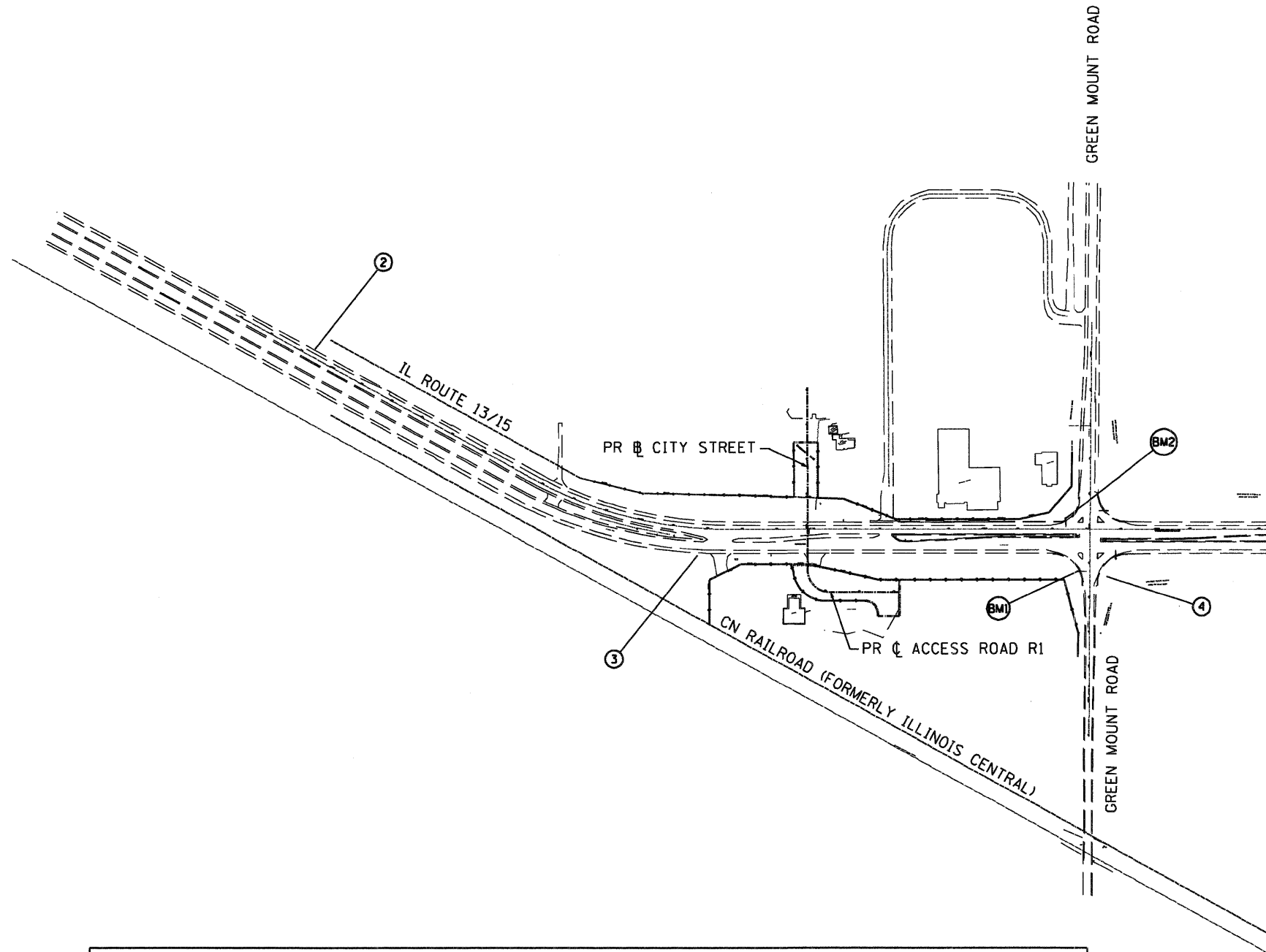
HORIZONTAL CONTROL POINT No. 2



HORIZONTAL CONTROL POINT No. 3



HORIZONTAL CONTROL POINT No. 4



## HORIZONTAL CONTROL POINTS

POINT	NORTH	EAST	CHAIN	STATION	OFFSET	DESCRIPTION
2	660575.2061	2359798.0979	CL_13-15	124+37.426	23.2889' LT	5/8" Ø X 30" REBAR WITH IDOT CAP
3	659697.8355	2360703.6665	CL_13-15	136+81.074	78.3864' RT	5/8" Ø X 30" REBAR WITH IDOT CAP
4	659314.9579	2361828.9444	CL_13-15	148+62.357	136.4020' RT	5/8" Ø X 30" REBAR WITH IDOT CAP

## BENCH MARKS

NO.	NORTH	EAST	ELEVATION	CHAIN	STATION	OFFSET	DESCRIPTION
BM1	659352.4590	2361753.3210	503.149	CL_13-15	147+79.47	120.9325' RT	CHISELED SQUARE ON E. SIDE OF CONC. PAD OF MAST ARM
BM2	659509.8831	2361762.5631	503.299	CL_13-15	147+45.39	33.0357' LT	CHISELED SQUARE ON E. SIDE OF CONC. PAD OF MAST ARM

DATE TIME  
 -JUN-2010  
 -10:00 AM  
 -REF: 0876015-sht-ATB1.dgn

FILE NAME = 0876015-sht-ATB1.dgn  
 USER NAME = dwoznarski  
 PLOT SCALE = N/A  
 PLOT DATE = 9/14/2010

DESIGNED -  
 DRAWN - DMW  
 CHECKED -  
 DATE - 7/9/2010

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION

ALIGNMENT, TIES AND BENCHMARKS

SCALE: N/A SHEET NO. 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
130	27-1-N	ST. CLAIR	50	11
CONTRACT NO. 76015				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

# HORIZONTAL & VERTICAL CONTROL

**EXISTING IL 13/15**

Chain CL\_13-15 contains:  
3796 3755 3631 CUR CUR.6 324 325

Beginning chain CL\_13-15 description  
=====

Point 3796 N 660,734.10 E 2,359,604.67 Sta 121+88.17  
Course from 3796 to 3755 S 45° 14' 58" E Dist 200.72'  
Point 3755 N 660,592.79 E 2,359,747.22 Sta 123+88.89  
Course from 3755 to 3631 S 45° 18' 16" E Dist 699.80'  
Point 3631 N 660,100.59 E 2,360,244.67 Sta 130+88.69  
Course from 3631 to PC CUR.6 S 45° 28' 29" E Dist 100.75'

Curve Data  
-----

**Curve CUR.6**  
P.I. Station 134+72.86 N 659,833.4046 E 2,360,520.7022  
Delta = 26° 59' 48" (LT)  
Degree = 4° 51' 10"  
Tangent = 283.42'  
Length = 556.31'  
Radius = 1,180.66'  
External = 33.54'  
Long Chord = 551.17'  
Mid. Ord. = 32.61'  
P.C. Station 131+89.44 N 660,029.9416 E 2,360,316.5012  
P.T. Station 137+45.75 N 659,750.9790 E 2,360,791.8680  
C.C. N 660,880.6049 E 2,361,135.2375

Course from PT CUR.6 to 324 S 74° 09' 31" E Dist 1,069.25'  
Point 324 N 659,459.10 E 2,361,820.51 Sta 148+15.00  
Course from 324 to 325 S 74° 12' 07" E Dist 683.14'  
Point 325 N 659,273.12 E 2,362,477.85 Sta 154+98.14

Ending chain CL\_13-15 description  
=====

**PROPOSED ACCESS ROAD R1**

Chain AC\_RD\_R1 contains:  
300 CUR CUR.1 304

Beginning chain AC\_RD\_R1 description  
=====

Point 300 N 659,682.94 E 2,361,031.65 Sta 20+00.00  
Course from 300 to PC CUR.1 S 15° 47' 21" W Dist 116.47'

Curve Data  
-----

**Curve CUR.1**  
P.I. Station 21+81.47 N 659,508.3180 E 2,360,982.2740  
Delta = 90° 00' 00" (LT)  
Degree = 88° 08' 52"  
Tangent = 65.00'  
Length = 102.10'  
Radius = 65.00'  
External = 26.92'  
Long Chord = 91.92'  
Mid. Ord. = 19.04'  
P.C. Station 21+16.47 N 659,570.8650 E 2,360,999.9610  
P.T. Station 22+18.57 N 659,490.6310 E 2,361,044.8210  
C.C. N 659,553.18 E 2,361,062.51

Course from PT CUR.1 to 304 S 74° 12' 38" E Dist 200.64'  
Point 304 N 659,436.04 E 2,361,237.89 Sta 24+19.21

Ending chain AC\_RD\_R1 description  
=====

**PROPOSED CITY STREET**

Chain AC\_RD\_L1 contains:  
D1 D2

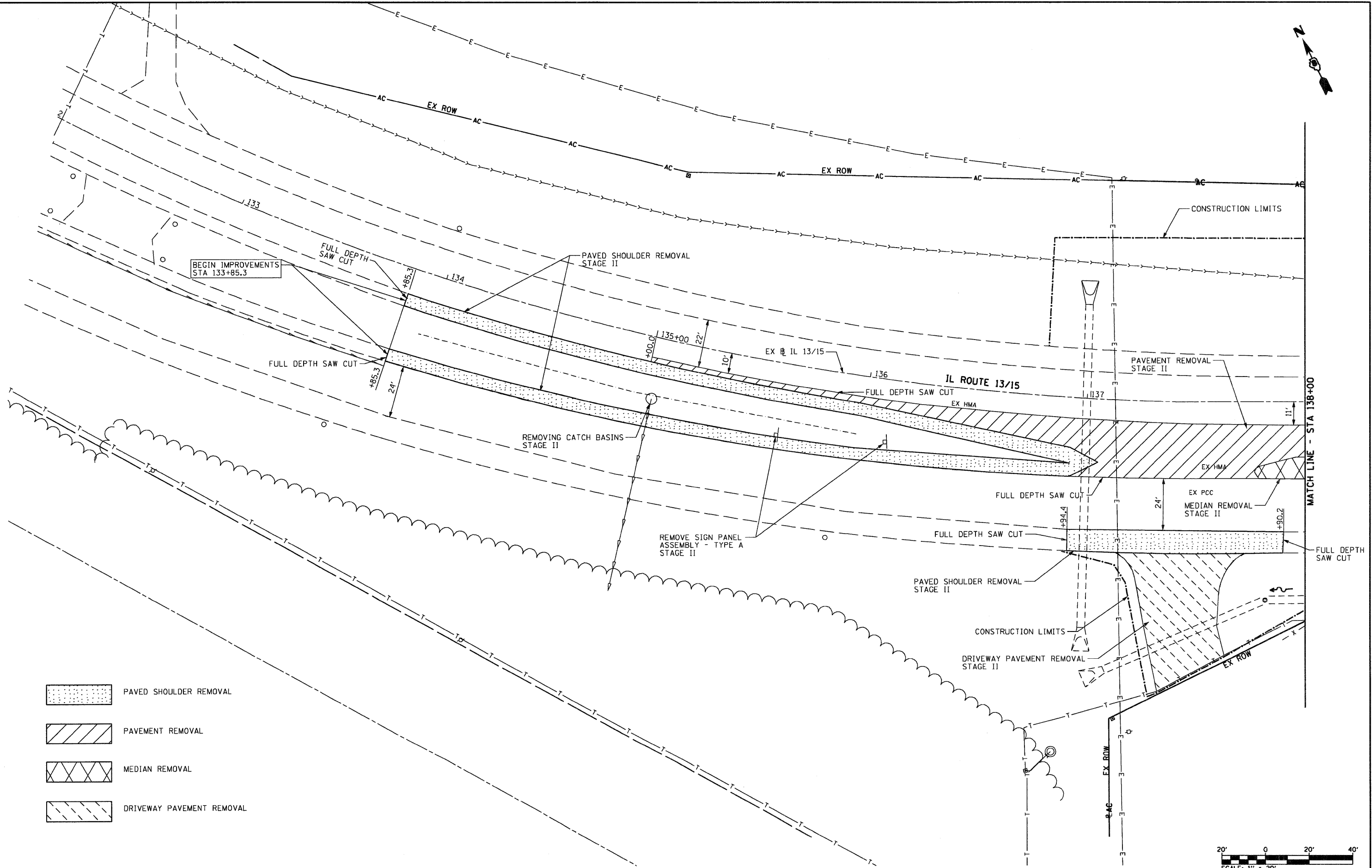
Beginning chain AC\_RD\_L1 description  
=====

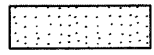
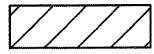
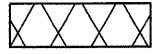
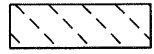
Point D1 N 659,682.94 E 2,361,031.65 Sta 10+00.00  
Course from D1 to D2 N 15° 47' 23" E Dist 411.08'  
Point D2 N 660,078.51 E 2,361,143.51 Sta 14+11.08

Ending chain AC\_RD\_L1 description  
=====

DATE TIME  
-JUN-2010  
-10:58:51  
-REF04  
-REF04  
-REF04

FILE NAME = 0878015-sht-ATB2.dgn	USER NAME = dwoznarski	DESIGNED - DRAWN - DMW	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>HORIZONTAL AND VERTICAL CONTROL</b>	F.A.P. RTE. 130	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 12
PLOT SCALE = N/A PLOT DATE = 9/14/2010				SCALE: N/A SHEET NO. 2 OF 2 SHEETS STA. TO STA.		CONTRACT NO. 76015 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				

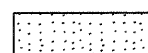
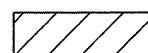
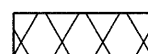
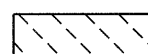
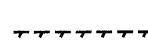


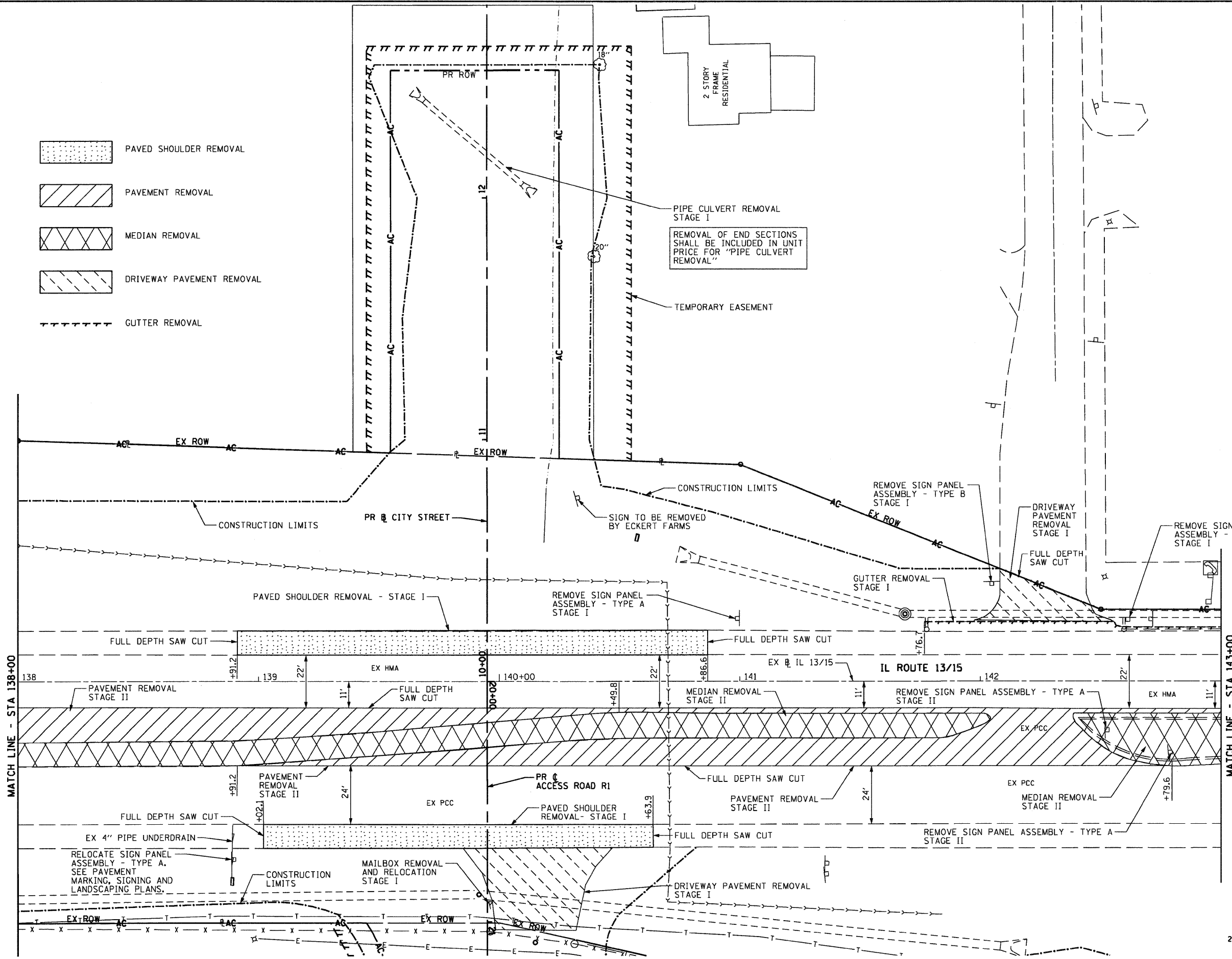
-  PAVED SHOULDER REMOVAL
-  PAVEMENT REMOVAL
-  MEDIAN REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL



FILE NAME = 0876015-shr-rem1.dgn	USER NAME = dvoznitski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 13
	PLOT SCALE = 40.00' / IN.	CHECKED -	REVISED -					CONTRACT NO. 76015				
	PLOT DATE = 9/14/2010	DATE = 7/9/2010	REVISED -	SCALE: 1" = 20'    SHEET NO. 1 OF 4 SHEETS    STA. 133+00 TO STA. 138+00			FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT					



-  PAVED SHOULDER REMOVAL
-  PAVEMENT REMOVAL
-  MEDIAN REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  GUTTER REMOVAL

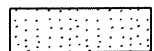

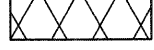
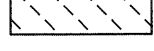



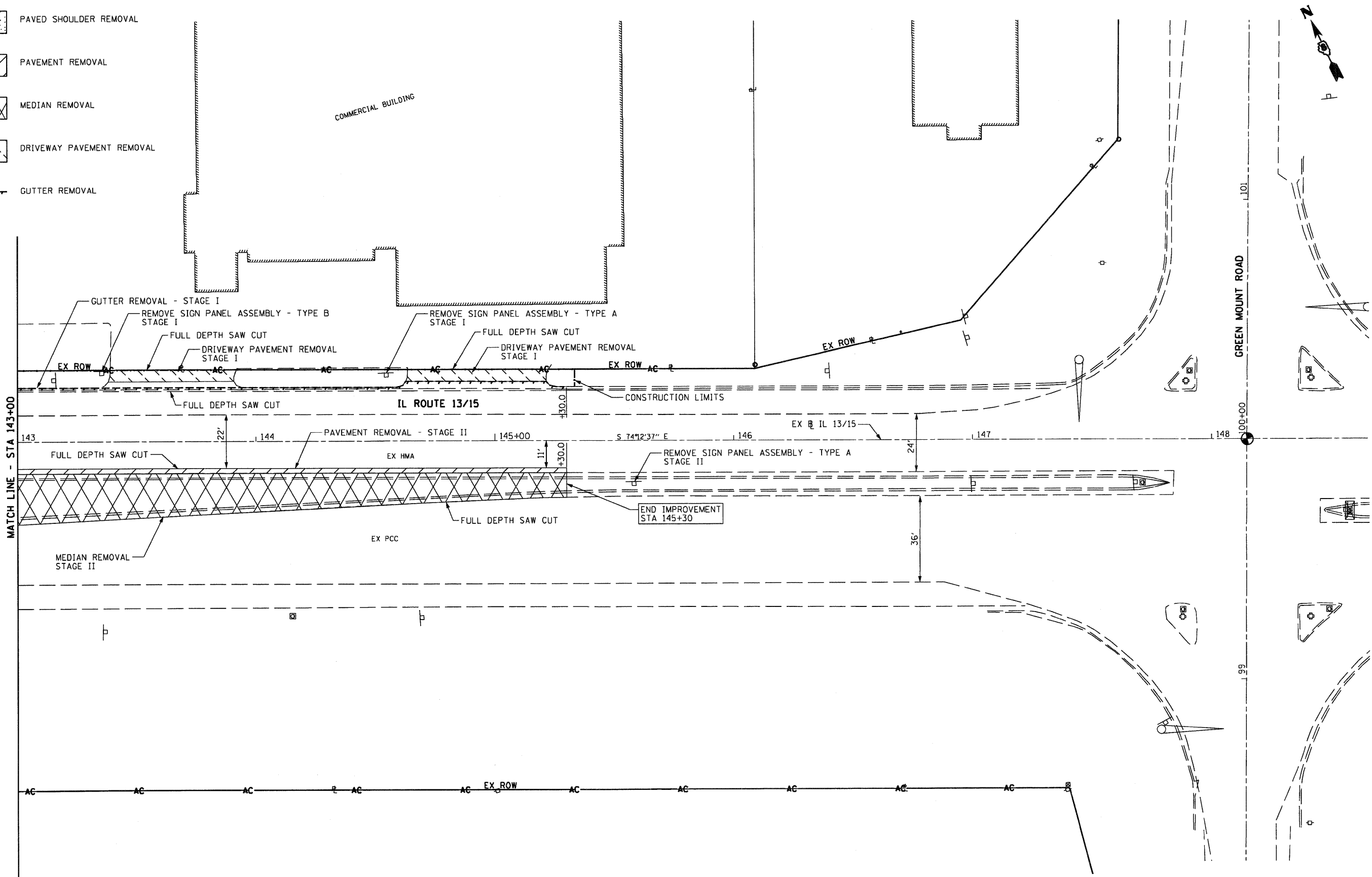
MATCH LINE - STA 138+00

MATCH LINE - STA 143+00

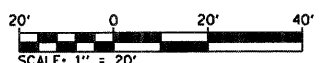


FILE NAME = 0876015-shr-ren2.dgn	USER NAME = dwozmbrsk1	DESIGNED - DRAWN - DMW	REVISED - REVISED - REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>REMOVAL PLAN</b>	F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 14
PLOT SCALE = 40.00' / IN. PLOT DATE = 9/14/2010				SCALE: 1" = 20'    SHEET NO. 2 OF 4 SHEETS    STA. 139+50 TO STA. 146+00		CONTRACT NO. 76015 FED. ROAD DIST. NO.    ILLINOIS FED. AID PROJECT				

-  PAVED SHOULDER REMOVAL
-  PAVEMENT REMOVAL
-  MEDIAN REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  GUTTER REMOVAL



MATCH LINE - STA 143+00



FILE NAME =  
0876015-sh1-rem3.dgn

USER NAME = dwoznarski  
PLOT SCALE = 48.00' / IN.  
PLOT DATE = 9/14/2010

DESIGNED -  
DRAWN - DMW  
CHECKED -  
DATE - 7/9/2010

REVISED -  
REVISED -  
REVISED -  
REVISED -

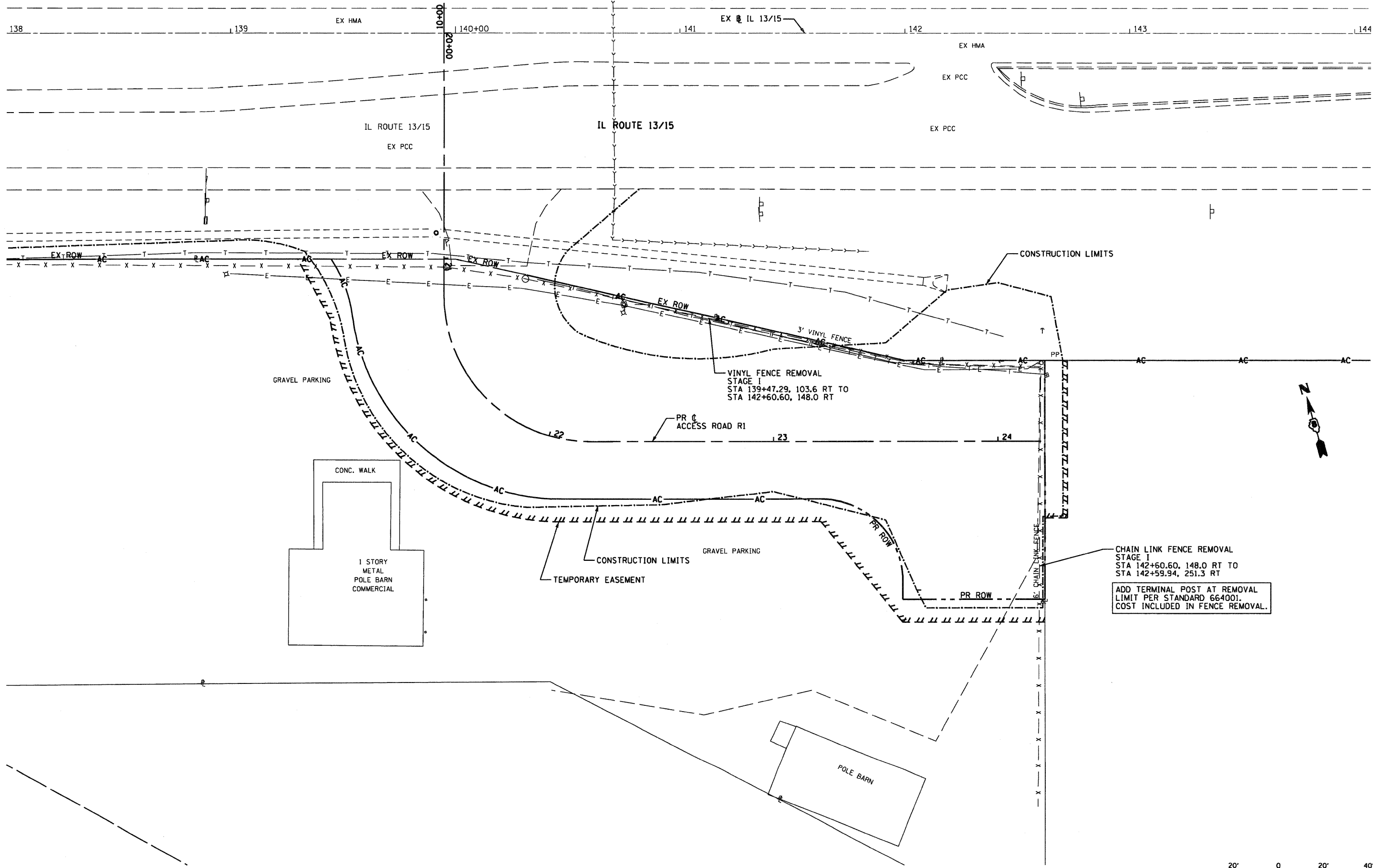
**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**

SCALE: 1" = 20'    SHEET NO. 3 OF 4 SHEETS    STA. 143+00 TO STA. 148+00

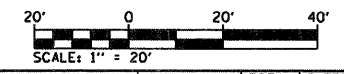
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-N	ST. CLAIR	50	15
CONTRACT NO. 76015				
FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				





VINYL FENCE REMOVAL  
STAGE I  
STA 139+47.29, 103.6 RT TO  
STA 142+60.60, 148.0 RT

CHAIN LINK FENCE REMOVAL  
STAGE I  
STA 142+60.60, 148.0 RT TO  
STA 142+59.94, 251.3 RT  
ADD TERMINAL POST AT REMOVAL  
LIMIT PER STANDARD 664001.  
COST INCLUDED IN FENCE REMOVAL.



FILE NAME =  
DB76015-sht-rem4.dgn

USER NAME = dwozniarski  
PLOT SCALE = 40.00' / IN.  
PLOT DATE = 9/14/2010

DESIGNED -  
DRAWN - DMW  
CHECKED -  
DATE - 7/9/2010

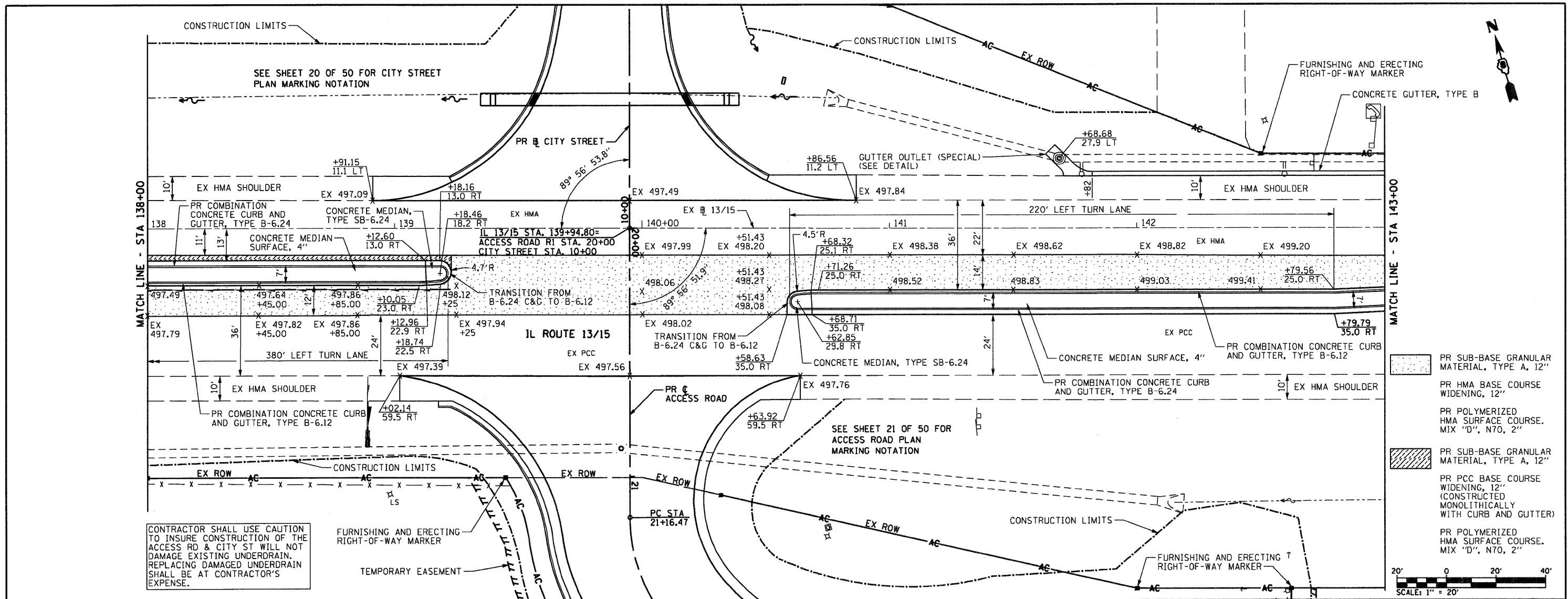
REVISED -  
REVISED -  
REVISED -  
REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

**REMOVAL PLAN**  
SCALE: 1" = 20' SHEET NO. 4 OF 4 SHEETS STA. 138+00 TO STA. 144+00

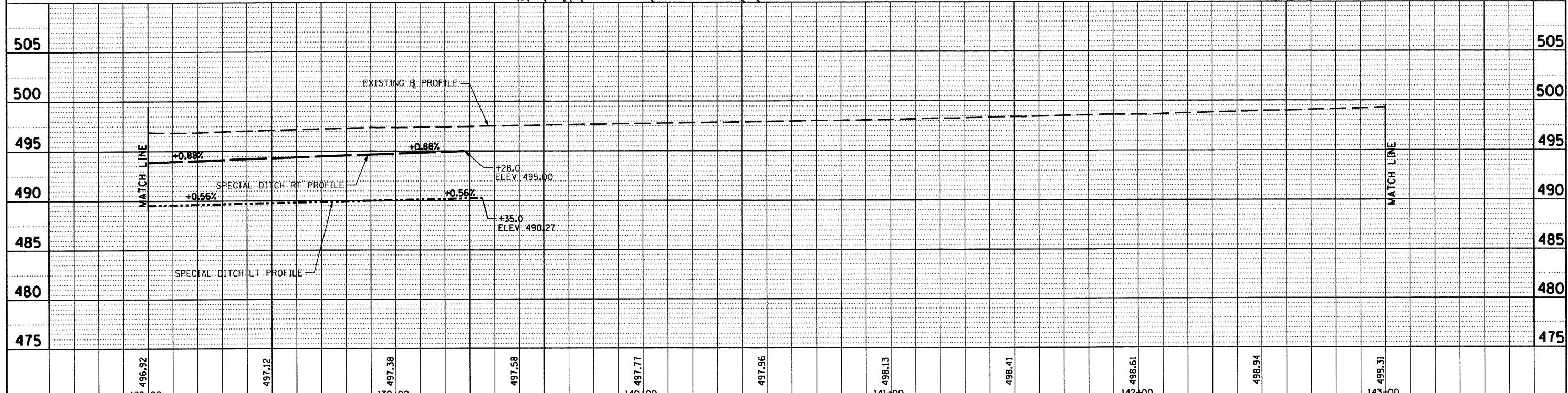
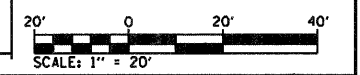
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-N	ST. CLAIR	50	16
CONTRACT NO. 76015				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



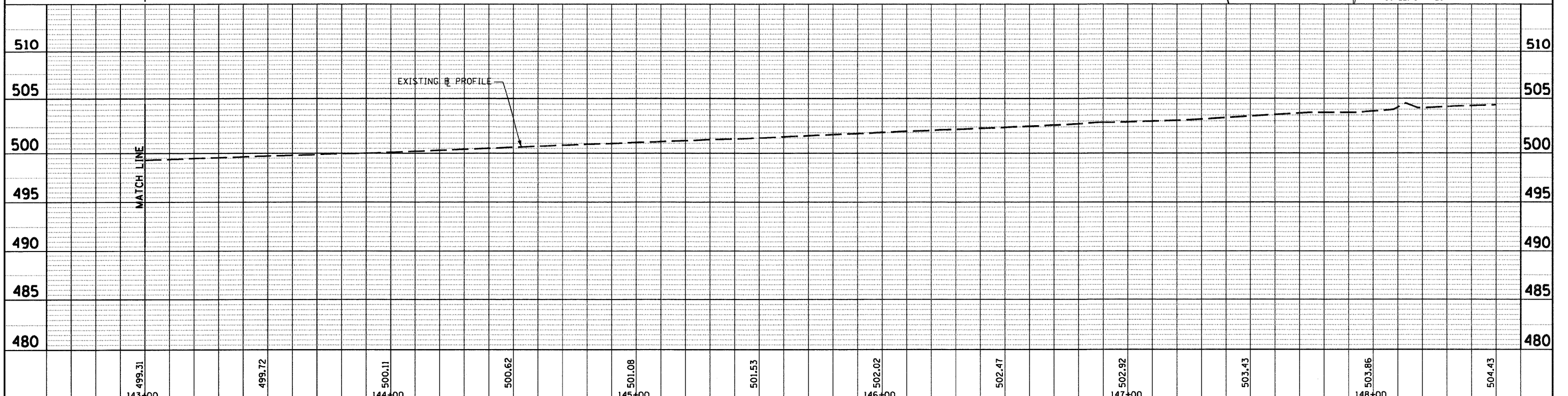
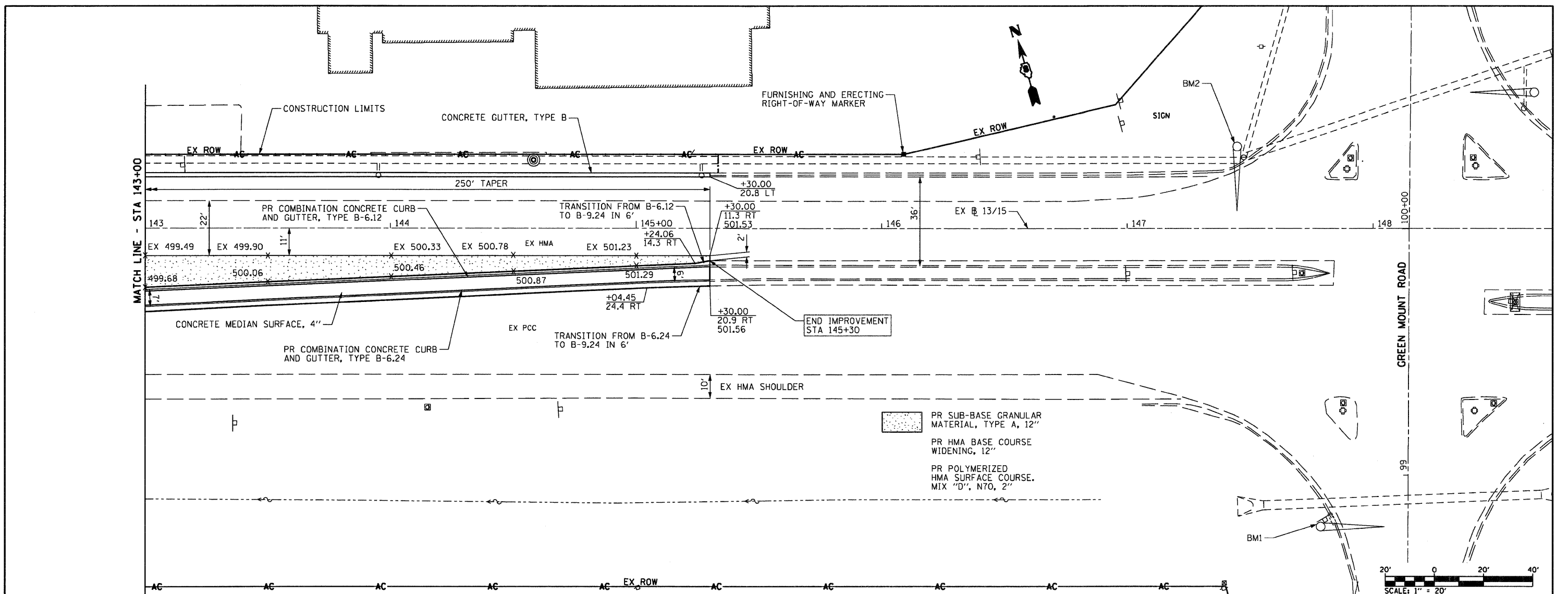


CONTRACTOR SHALL USE CAUTION TO INSURE CONSTRUCTION OF THE ACCESS RD & CITY ST WILL NOT DAMAGE EXISTING UNDERDRAIN. REPLACING DAMAGED UNDERDRAIN SHALL BE AT CONTRACTOR'S EXPENSE.

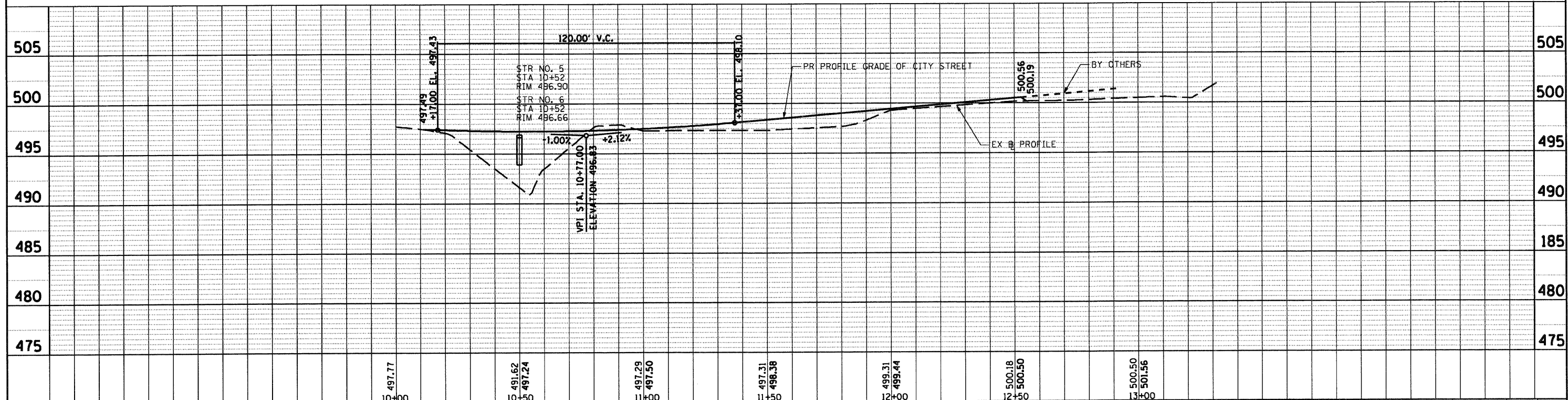
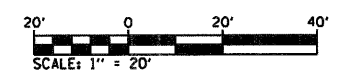
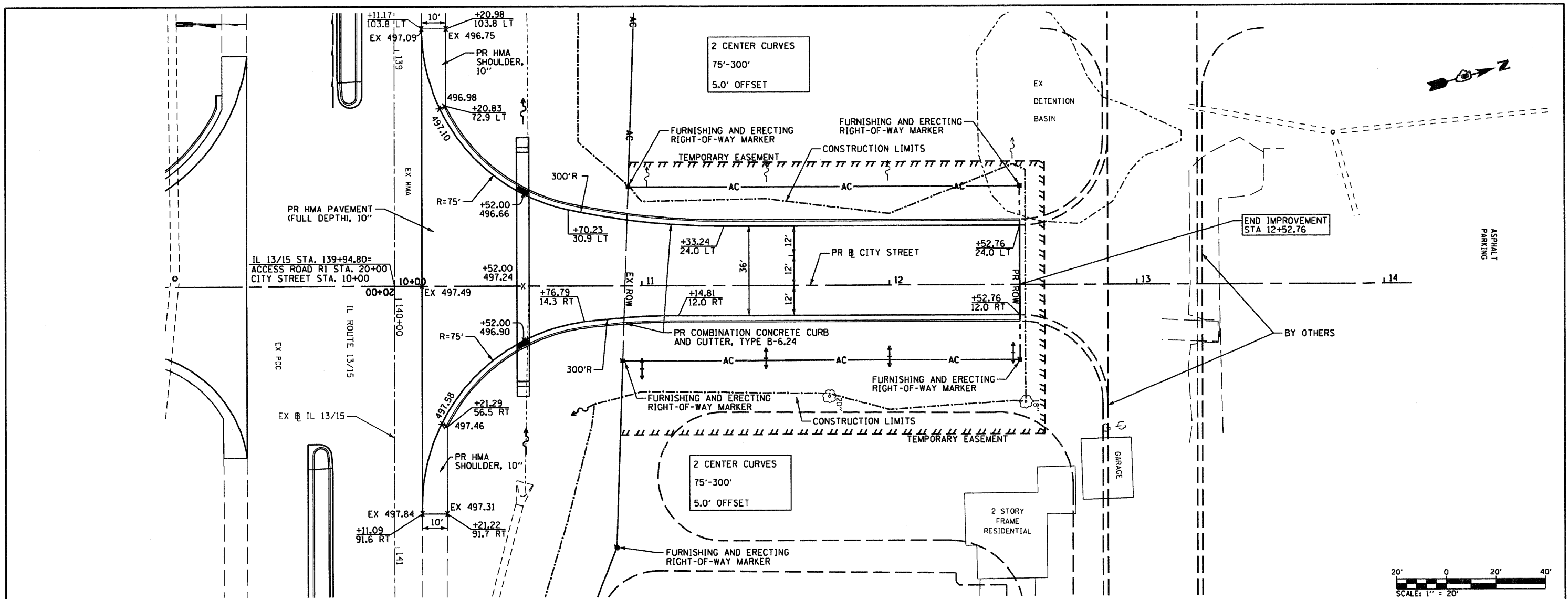
- PR SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- PR HMA BASE COURSE WIDENING, 12"
- PR POLYMERIZED HMA SURFACE COURSE, MIX "D", N70, 2"
- PR SUB-BASE GRANULAR MATERIAL, TYPE A, 12"
- PR PCC BASE COURSE WIDENING, 12" (CONSTRUCTED MONOLITHICALLY WITH CURB AND GUTTER)
- PR POLYMERIZED HMA SURFACE COURSE, MIX "D", N70, 2"



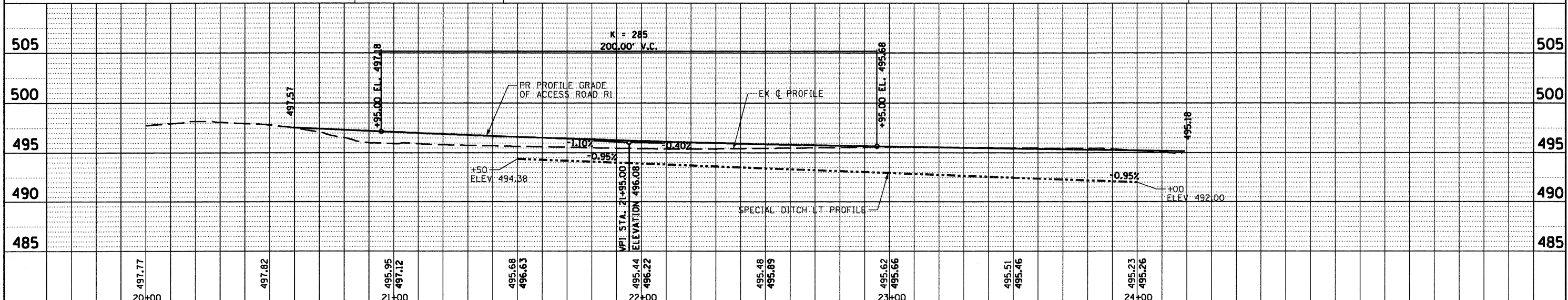
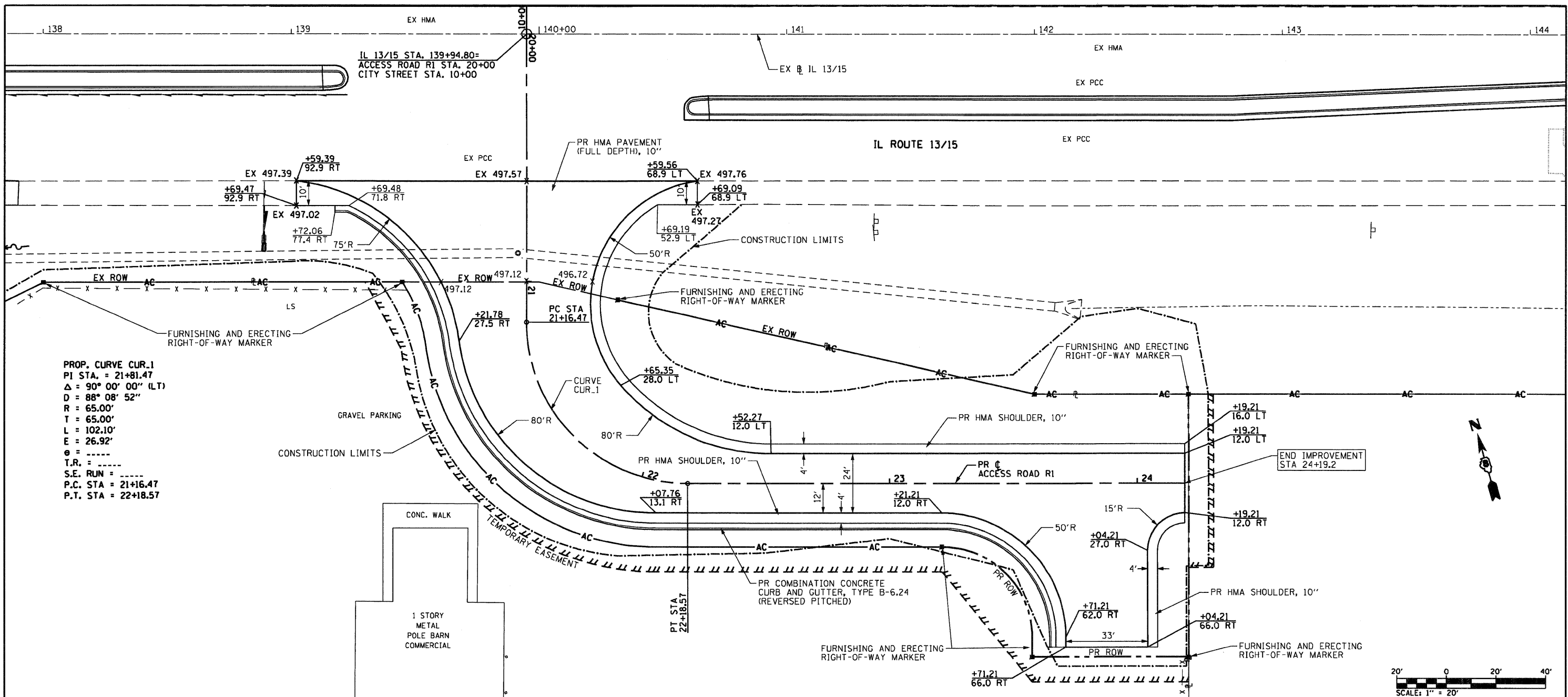
FILE NAME = 0876015-sht-plan2.dgn	USER NAME = dvoznarski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL ROUTE 13 /15 PLAN AND PROFILE</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY	TOTAL SHEETS 50	SHEET NO. 18	
PLOT SCALE = 48,0000' / IN.	CHECKED -	DMW	REVISED -		SCALE: 1"=20'	SHEET NO. 2 OF 5 SHEETS	STA. 138+00 TO STA. 143+00	FED. ROAD DIST. NO.	[ILLINOIS] FED. AID PROJECT	CONTRACT NO. 76015			
PLOT DATE = 9/14/2010	DATE -	7/9/2010	REVISED -										



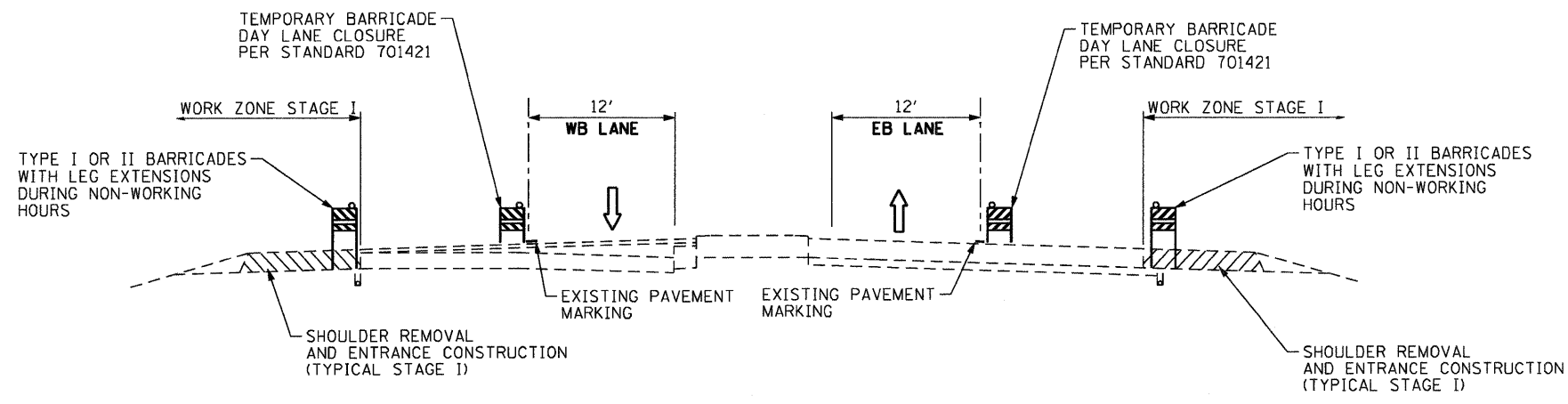
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PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISOR -	CONTRACT NO. 76015									
PLOT DATE = 9/14/2010	DATE = 7/9/2010	REVISOR -	SCALE: 1"=20' SHEET NO. 3 OF 5 SHEETS STA. 143+00 TO STA. 148+00									
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT												



FILE NAME = 0876015-sht-plan4.dgn	USER NAME = dvozmbrski	DESIGNED - DRAWN - DMW	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>CITY STREET PLAN AND PROFILE</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 20
	PLOT SCALE = 48,0000 ' / IN.	CHECKED - DATE - 7/9/2010	REVISED - REVISED -					SCALE: 1"=20'	SHEET NO. 4 OF 5 SHEETS	STA. 10+00 TO STA. 12+52.76	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76015		



FILE NAME = DB76D15-sht-plan5.dgn	USER NAME = dwoznarski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ACCESS ROAD PLAN AND PROFILE</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 21
PLOT SCALE = 40.0000' / IN.	CHECKED -	REVISED -	REVISED -		SCALE: 1"=20'	SHEET NO. 5 OF 5 SHEETS	STA. 20+00 TO STA. 24+19.21	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT		CONTRACT NO. 76D15		
PLOT DATE = 9/14/2010	DATE - 7/9/2010	REVISED -	REVISED -									



IL 13 /15  
STAGE I - TRAFFIC STAGING TYPICAL

**STAGE I - CONSTRUCT ENTRANCE AND SHOULDER IMPROVEMENTS**

CHANGEABLE MESSAGE SIGNS WILL BE USED ON IL 13/15 EAST AND WEST OF THE IMPROVEMENT AND ON GREEN MOUNT RD NORTH AND SOUTH OF IL 13/15 TO NOTIFY THE PUBLIC OF THE ENTRANCE CLOSURES INTO ECKERT'S COUNTRY STORE AND FARMS.

INSTALL TRAFFIC CONTROL PER STANDARD 701421 AND THESE TRAFFIC CONTROL PLANS REDUCING TRAFFIC TO ONE INSIDE LANE FOR DAY OPERATIONS ONLY.

EXISTING ENTRANCE AT STA. 137+50 RT MUST REMAIN OPEN DURING STAGE I. THREE ENTRANCES AT STA. 142+25, 143+75, AND 145+00 LT SHALL BE CLOSED.

TWO LANES OF TRAFFIC EASTBOUND AND WESTBOUND SHALL BE OPERATIONAL AND CLEAR AT THE END OF EACH WORKDAY. NO OVERNIGHT CLOSURES WILL BE ALLOWED.

**STAGE II - CONSTRUCT MEDIAN IMPROVEMENTS (COMPLETED IN 2 PHASES)**

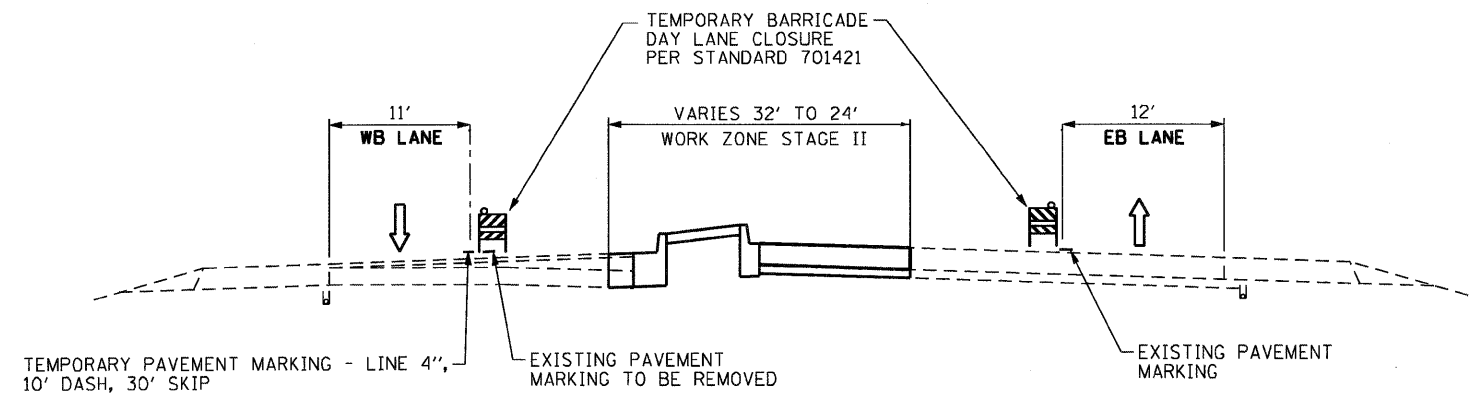
RELOCATE TRAFFIC CONTROL PER STANDARD 701421 AND THESE TRAFFIC CONTROL PLANS REDUCING TRAFFIC TO ONE OUTSIDE LANE FOR DAY OPERATIONS ONLY.

NEW CITY STREET TO REMAIN CLOSED DURING STAGE II WORK.

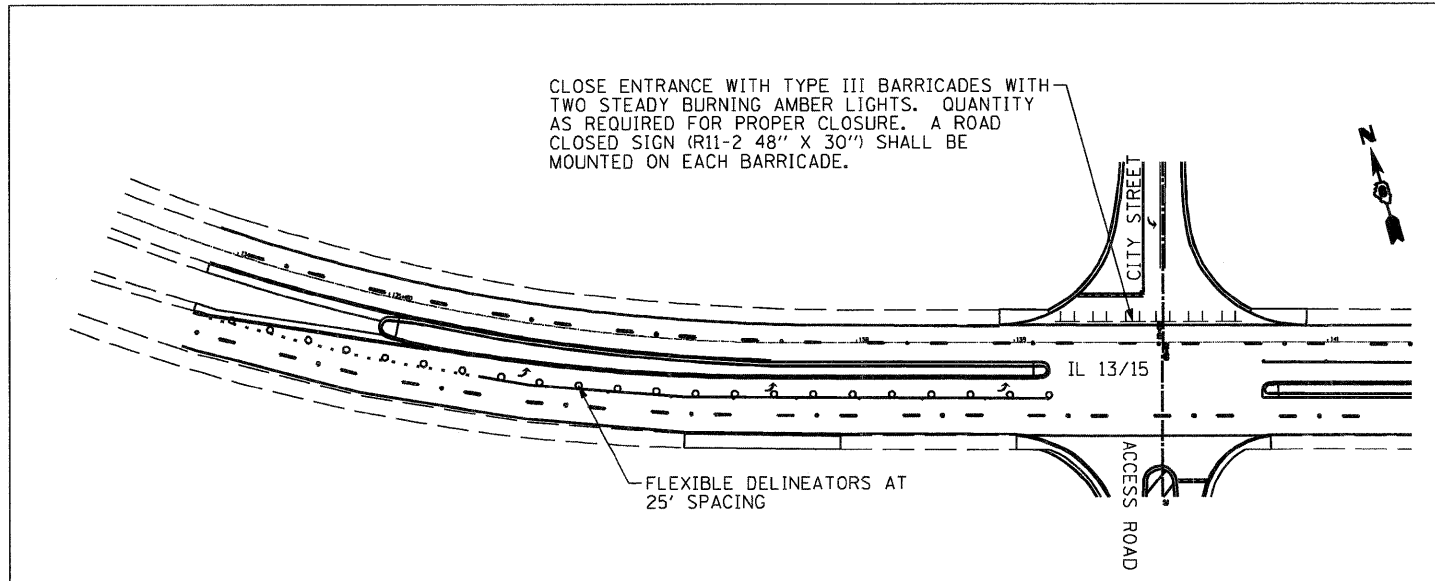
CONSTRUCT STAGE II MEDIAN IMPROVEMENTS IN TWO PHASES TO MAINTAIN ACCESS TO SOUTH ENTRANCES.

EXISTING PAVEMENT MARKING SHALL BE REMOVED AND REPLACED AT THE COMPLETION OF STAGE II PHASE II USING STANDARD 701426 FOR TRAFFIC CONTROL.

TWO LANES OF TRAFFIC EASTBOUND AND WESTBOUND SHALL BE OPERATIONAL AND CLEAR AT THE END OF EACH WORKDAY. NO OVERNIGHT CLOSURES WILL BE ALLOWED.

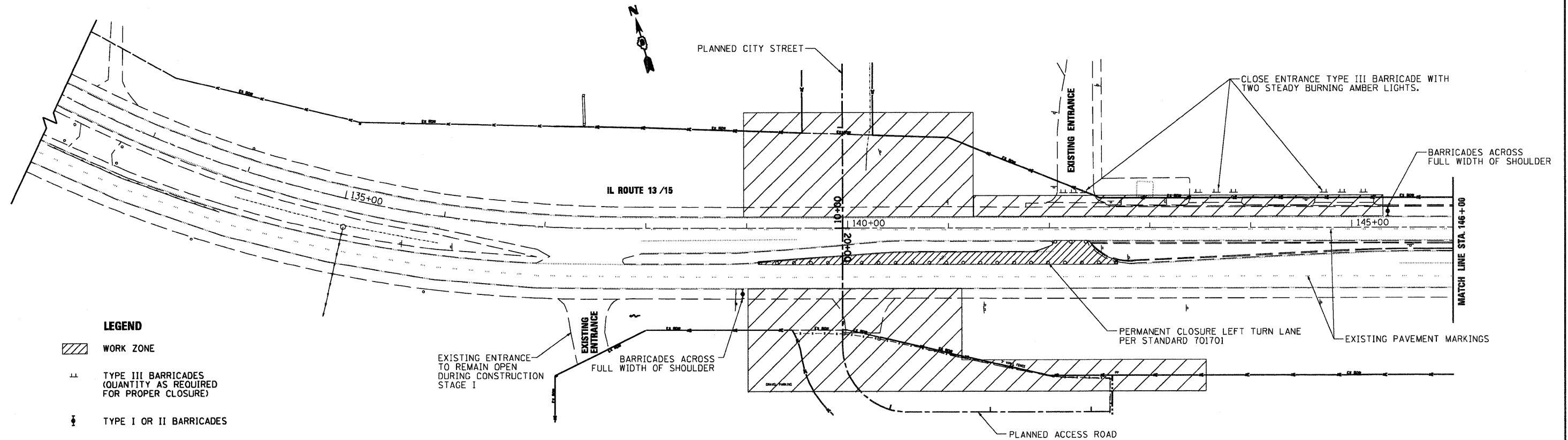


IL 13 /15  
STAGE II - TRAFFIC STAGING TYPICAL



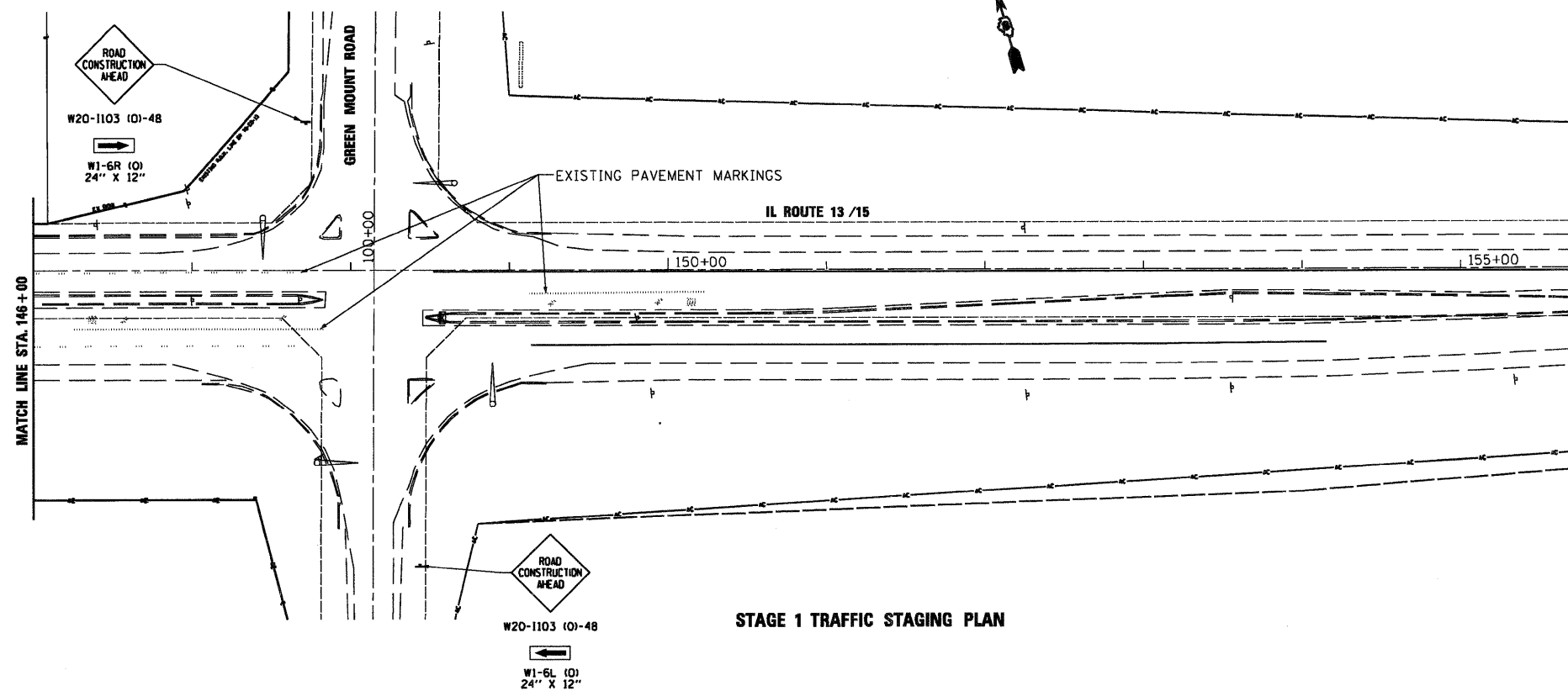
TRAFFIC CONTROL FOR ROAD CLOSURE  
NTS  
SEE SPECIAL PROVISIONS

FILE NAME = 0876015-sht-staging1.dgn	USER NAME = dvoznarski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC SECTIONS AND NOTES</b>			F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 15.00' / IN.	DRAWN - DMW	REVISED -					103	27-1-N	ST. CLAIR	50	22
	PLOT DATE = 9/14/2010	CHECKED -	REVISED -					CONTRACT NO. 76015				
	DATE = 7/9/2010	REVISED -		SCALE: NONE	SHEET NO. 1 OF 3 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				



- LEGEND**
- WORK ZONE
  - TYPE III BARRICADES (QUANTITY AS REQUIRED FOR PROPER CLOSURE)
  - TYPE I OR II BARRICADES

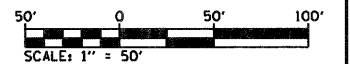
**STAGE I TRAFFIC STAGING PLAN**



**STAGE I TRAFFIC STAGING PLAN**

**STAGE I TRAFFIC CONTROL NOTES**

1. CLOSE EXISTING ENTRANCES WHERE SHOWN WITH TYPE III BARRICADES WITH "ENTRANCE CLOSED" SIGN PANEL INCLUDED.
2. CLOSE EXISTING EASTBOUND LEFT TURN LANE INTO NORTH ENTRANCE PER STD. 701701.
3. CONSTRUCT IMPROVEMENTS NORTH AND SOUTH OF IL ROUTE 13/15 THROUGH LANE USING DAY LANE CLOSURES PER STD. 701421.
4. TYPE I & II BARRICADES USED TO PROTECT SHOULDER EXCAVATIONS DURING NIGHT TIME SHALL HAVE LEG EXTENSIONS.
5. DAY LANE CLOSURES FOR WESTBOUND IL 13/15 SHALL BEGIN WEST OF GREEN MOUNT ROAD.
6. NO OVERNIGHT LANE CLOSURES OF IL 13/15 THROUGH LANES WILL BE ALLOWED.



FILE NAME = DB76015-sh1-staging2.dgn	USER NAME = dvoznitski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC - STAGE I</b>	F.A.I. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 23		
PLOT SCALE = 100.00' / IN.		CHECKED -	REVISED -			SCALE: 1" = 50'	SHEET NO. 2 OF 3 SHEETS	STA. 125+00	TO STA. 146+00	CONTRACT NO. 76015		
PLOT DATE = 9/14/2010		DATE - 7/9/2010	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						



CLOSE ENTRANCE TYPE III BARRICADE WITH TWO STEADY BURNING AMBER LIGHTS.

EXISTING PAVEMENT MARKINGS

TEMPORARY PAVEMENT MARKING - LINE 4", 10' DASH, 30' SKIP



W20-1103 (01-48)  
W1-6R (01)  
24" X 12"

GREEN MOUNT ROAD

IL ROUTE 13 / 15

**TRAFFIC STAGING PLAN  
STAGE II - PHASE I WORK ZONE**

EXISTING ENTRANCE TO REMAIN OPEN DURING STAGE II - PHASE I IMPROVEMENTS



W20-1103 (01-48)  
W1-6L (01)  
24" X 12"

**LEGEND**

- WORK ZONE
- TYPE III BARRICADES (QUANTITY AS REQUIRED FOR PROPER CLOSURE)
- TYPE I OR II BARRICADES

**STAGE II TRAFFIC CONTROL NOTES**

1. RECOMMENDED CONSTRUCTION SEQUENCE:  
 CONSTRUCT STAGE II, PHASE I MEDIAN IMPROVEMENTS TO LIMITS SHOWN IN THE PLANS USING DAY LANE CLOSURES PER STD. 701421.  
 RELOCATE EXISTING WESTBOUND LEFT TURN TO NEW SOUTH ENTRANCE.  
 CONSTRUCT STAGE II, PHASE II MEDIAN IMPROVEMENTS TO LIMITS SHOWN IN THE PLANS USING DAY LANE CLOSURES PER STD. 701421.
2. TYPE I & II BARRICADES USED TO PROTECT SHOULDER EXCAVATIONS DURING NIGHT TIME SHALL HAVE LEG EXTENSIONS.
3. TEMPORARY PAVEMENT MARKING TAPE SHALL BE USED FOR ALL TEMPORARY PAVEMENT MARKING SHOWN.
4. SHOULDER IMPROVEMENTS AND EXISTING ENTRANCE REMOVAL STA 137+50 RT SHALL BE COMPLETED AFTER STAGE II MEDIAN IMPROVEMENTS ARE COMPLETED.
5. AT COMPLETION OF STAGE II IMPROVEMENTS PERMANENT PAVEMENT MARKING SHALL BE INSTALLED USING STANDARD 701426 FOR TRAFFIC CONTROL.
6. NO OVERNIGHT LANE CLOSURES OF IL 13/15 THROUGH LANES WILL BE ALLOWED.

TEMPORARY PAVEMENT MARKING - LINE 4", 10' DASH, 30' SKIP

EXISTING PAVEMENT MARKINGS

CLOSE ENTRANCE TYPE III BARRICADE WITH TWO STEADY BURNING AMBER LIGHTS.

TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS.

TEMPORARY PAVEMENT MARKING - LINE 4"

TEMPORARY PAVEMENT MARKING - LINE 4" (2' LINE, 6' SKIP)

TEMPORARY PAVEMENT MARKING - LINE 4", 10' DASH, 30' SKIP

CITY STREET

IL ROUTE 13 / 15

BARRICADES ACROSS FULL WIDTH OF SHOULDER

EXISTING ENTRANCE CLOSED AT START OF STAGE II - PHASE I IMPROVEMENTS

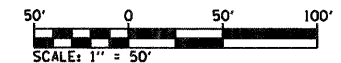
STA. +63

STA. +84

STA. +29

ACCESS ROAD

**TRAFFIC STAGING PLAN  
STAGE II - PHASE II WORK ZONE**



FILE NAME = 0876015-shr-staging3.dgn	USER NAME = dwozniorst1	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>SUGGESTED MAINTENANCE OF TRAFFIC - STAGE II</b>	F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 100.00' / IN.	DRAWN - DMW	REVISED -			103	27-1-N	ST. CLAIR	50	24
PLOT DATE = 9/14/2010	CHECKED -	REVISED -	REVISED -	SCALE: 1" = 50'    SHEET NO. 3 OF 3 SHEETS    STA. 125+00 TO STA. 146+00		CONTRACT NO. 76015				
	DATE - 7/9/2010	REVISED -	REVISED -			ILLINOIS FED. AID PROJECT				

THIS PLAN HAS BEEN PREPARED TO COMPLY WITH THE PROVISIONS OF THE NPDES PERMIT NUMBER ILR10, ISSUED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.

I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECTION OR SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM, OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS.

MARY C. LAMIE	
PRINT NAME	SIGNATURE
DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER	
TITLE	DATE
IL DEPT. OF TRANSPORTATION	
AGENCY	

I. SITE DESCRIPTION:

A. THE FOLLOWING IS A DESCRIPTION OF THE PROJECT LOCATION:

THIS IMPROVEMENT BEGINS AT A POINT ON THE BASELINE OF FAP 103 (IL 13/15) APPROXIMATELY 1,430 FEET WEST OF THE CENTERLINE OF GREEN MOUNT ROAD AND EXTENDS IN A SOUTHEASTERLY DIRECTION TO A POINT 209 FEET WEST OF THE CENTERLINE OF GREEN MOUNT ROAD FOR A TOTAL DISTANCE OF 1,148 FEET (0.22 MILES) LOCATED WITHIN ST. CLAIR COUNTY AND THE CITY OF BELLEVILLE.

B. THE FOLLOWING IS A DESCRIPTION OF THE CONSTRUCTION ACTIVITY WHICH IS THE SUBJECT OF THIS PLAN:

THIS PROJECT WILL ESTABLISH A NEW INTERSECTION TO ACCESS ECKERT COUNTRY STORE AND FARMS AND WEIL TRAILER SALES. THE WORK TO BE PERFORMED UNDER THIS CONTRACT CONSISTS OF EARTH EXCAVATION, CONSTRUCTING NEW ACCESS ROADS, PAVEMENT REMOVAL AND WIDENING, CURB AND GUTTER, A CAST-IN-PLACE CULVERT, DRAINAGE IMPROVEMENTS, PAVEMENT MARKINGS, SITE RESTORATION AND ALL COLLATERAL WORK NECESSARY TO COMPLETE THE PROJECT AS SHOWN ON THE PLANS AND AS DESCRIBED HEREIN.

C. THE FOLLOWING IS A DESCRIPTION OF THE INTENDED SEQUENCE OF MAJOR ACTIVITIES WHICH WILL DISTURB SOILS FOR MAJOR PORTIONS OF THE CONSTRUCTION SITE, SUCH AS GRUBBING, EXCAVATION AND GRADING:

STAGE I: CONSTRUCT NEW ACCESS ROADS AND OFF SHOULDER IMPROVEMENTS.

STAGE II: CONSTRUCT TURN LANES AND MEDIAN IMPROVEMENTS.

D. THE TOTAL AREA OF THE CONSTRUCTION SITE IS ESTIMATED TO BE 4.55 ACRES.

THE TOTAL AREA OF THE SITE THAT IS ESTIMATED WILL BE DISTURBED BY EXCAVATION, GRADING OR OTHER ACTIVITIES IS 2.0 ACRES.

E. THE FOLLOWING IS A WEIGHTED AVERAGE OF THE RUNOFF COEFFICIENT FOR THIS PROJECT AFTER CONSTRUCTION ACTIVITIES ARE COMPLETED: 0.38.

F. THE FOLLOWING IS A DESCRIPTION OF THE SOIL TYPES FOUND AT THE PROJECT SITE FOLLOWED BY INFORMATION REGARDING THEIR EROSIVITY:

TWO SOIL TYPES ARE LOCATED WITHIN THE PROJECT AREA OF THE IL 13/15 INTERSECTION IMPROVEMENT. THESE ARE:

EDWARDSVILLE SILT LOAM (384A) - A SOMEWHAT POORLY DRAINED SOIL WITH SLOW PERMEABILITY. THIS SOIL HAS A SLIGHT SUSCEPTIBILITY TO WATER AND WIND EROSION WITH SLOPES THAT ARE BETWEEN TWO AND FIVE PERCENT.

EDWARDSVILLE SILT LOAM (384B) - A SOMEWHAT POORLY DRAINED SOIL WITH SLOW PERMEABILITY. THIS SOIL HAS A SLIGHT SUSCEPTIBILITY TO WATER AND WIND EROSION WITH SLOPES THAT ARE BETWEEN TWO AND FIVE PERCENT.

G. THE FOLLOWING IS A DESCRIPTION OF POTENTIALLY ERODIBLE AREAS ASSOCIATED WITH THIS PROJECT:

A POTENTIALLY CRITICAL ERODIBLE AREAS IS BETWEEN STATION 136+89 AND STATION 141+00 ON THE LEFT SIDE OF IL ROUTE 13/15.

H. THE FOLLOWING IS A DESCRIPTION OF SOIL DISTURBING ACTIVITIES, THEIR LOCATIONS, AND THEIR ERODIBLE FACTORS (E.G. STEEPNESS OF SLOPES, LENGTH OF SLOPES, ETC):

THE NATURE AND PURPOSE OF LAND DISTURBING ACTIVITIES IS TO CONSTRUCT NEW ACCESS ROADS AND TURNING LANES ON THIS PROJECT. EARTH EXCAVATION AND EMBANKMENT WILL BE REQUIRED WITHIN THE ROW AND ACCESS CONTROL LIMITS.

THE TWO SOIL TYPES HAVE ERODIBLE CHARACTERISTICS - EDWARDSVILLE SILT LOAM (384A AND 384B). THESE SOILS ARE SLIGHTLY SUSCEPTIBLE TO WIND AND WATER EROSION.

I. SEE THE EROSION CONTROL PLANS AND/OR DRAINAGE PLANS FOR THIS CONTRACT FOR INFORMATION REGARDING DRAINAGE PATTERNS, APPROXIMATE SLOPES ANTICIPATED BEFORE AND AFTER MAJOR GRADING ACTIVITIES, LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE AND CONTROLS TO PREVENT OFF SITE SEDIMENT TRACKING (TO BE ADDED AFTER CONTRACTOR IDENTIFIES LOCATIONS), AREAS OF SOIL DISTURBANCE, THE LOCATION OF MAJOR STRUCTURAL AND NON-STRUCTURAL CONTROLS IDENTIFIED IN THE PLAN, THE LOCATION OF AREAS WHERE STABILIZATION PRACTICES ARE EXPECTED TO OCCUR, SURFACE WATERS (INCLUDING WETLANDS) AND LOCATIONS WHERE STORM WATER IS DISCHARGED TO SURFACE WATER INCLUDING WETLANDS.

J. THE FOLLOWING IS A LIST OF RECEIVING WATER(S) AND THE ULTIMATE RECEIVING WATER(S), AND AERIAL EXTENT OF WETLAND ACREAGE AT THE SITE. THE LOCATION OF THE RECEIVING WATERS CAN BE FOUND ON THE EROSION AND SEDIMENT CONTROL PLANS:

RICHLAND CREEK TO THE KASKASKIA RIVER.

K. THE FOLLOWING POLLUTANTS OF CONCERN WILL BE ASSOCIATED WITH THIS CONSTRUCTION PROJECT: (CHECK ALL THAT APPLY)

- |   |  |
|---|--|
| <input checked="" type="checkbox"/> SOIL SEDIMENT             | <input checked="" type="checkbox"/> PETROLEUM (GAS, DIESEL, OIL, KEROSENE, HYDRAULIC OIL/FLUIDS) |
| <input checked="" type="checkbox"/> CONCRETE                  | <input checked="" type="checkbox"/> ANTIFREEZE / COOLANTS  |
| <input checked="" type="checkbox"/> CONCRETE TRUCK WASTE      | <input checked="" type="checkbox"/> WASTE WATER FROM CLEANING CONSTRUCTION EQUIPMENT             |
| <input checked="" type="checkbox"/> CONCRETE CURING COMPOUNDS | <input type="checkbox"/> OTHER (SPECIFY).....  |
| <input checked="" type="checkbox"/> SOLID WASTE DEBRIS        | <input type="checkbox"/> OTHER (SPECIFY).....  |
| <input type="checkbox"/> PAINTS                               | <input type="checkbox"/> OTHER (SPECIFY).....  |
| <input type="checkbox"/> SOLVENTS                             | <input type="checkbox"/> OTHER (SPECIFY).....  |
| <input checked="" type="checkbox"/> FERTILIZERS / PESTICIDES  | <input type="checkbox"/> OTHER (SPECIFY).....  |

II. CONTROLS

THIS SECTION OF THE PLAN ADDRESSES THE CONTROLS THAT WILL BE IMPLEMENTED FOR EACH OF THE MAJOR CONSTRUCTION ACTIVITIES DESCRIBED IN I.C. ABOVE AND FOR ALL USE AREAS, BORROW SITES, AND WASTE SITES. FOR EACH MEASURE DISCUSSED, THE CONTRACTOR WILL BE RESPONSIBLE FOR ITS IMPLEMENTATION AS INDICATED. THE CONTRACTOR SHALL PROVIDE TO THE RESIDENT ENGINEER A PLAN FOR THE IMPLEMENTATION OF THE MEASURES INDICATED. THE CONTRACTOR, AND SUBCONTRACTORS, WILL NOTIFY THE RESIDENT ENGINEER OF ANY PROPOSED CHANGES, MAINTENANCE, OR MODIFICATIONS TO KEEP CONSTRUCTION ACTIVITIES COMPLIANT WITH THE PERMIT. EACH SUCH CONTRACTOR HAS SIGNED THE REQUIRED CERTIFICATION ON FORMS WHICH ARE ATTACHED TO, AND ARE A PART OF THIS PLAN:

A. EROSION AND SEDIMENT CONTROL

1. STABILIZED PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF INTERIM AND PERMANENT STABILIZATION PRACTICES, INCLUDING SITE SPECIFIC SCHEDULING OF THE IMPLEMENTATION OF THE PRACTICES. SITE PLANS WILL ENSURE THAT EXISTING VEGETATION IS PRESERVED WHERE ATTAINABLE AND DISTURBED PORTIONS OF THE SITE WILL BE STABILIZED. STABILIZATION PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: TEMPORARY SEEDING, PERMANENT SEEDING, MULCHING, GEOTEXTILES, SODDING, VEGETATIVE BUFFER STRIPS, PROTECTION OF TREES, PRESERVATION OF MATURE VEGETATION, AND OTHER APPROPRIATE MEASURES. EXCEPT AS PROVIDED BELOW IN I(A)(1)(c) AND I(A)(3), STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE IN PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITIES HAVE TEMPORARILY OR PERMANENTLY CEASED, BUT IN NO CASE MORE THAN 7 DAYS AFTER THE CONSTRUCTION ACTIVITY IN THAT PORTION OF THE SITE HAS TEMPORARILY OR PERMANENTLY CEASED ON ALL DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION WILL NOT OCCUR FOR A PERIOD OF 14 OR MORE CALENDAR DAYS.

2. WHERE THE INITIATION OF STABILIZATION MEASURES BY THE 7TH DAY AFTER CONSTRUCTION ACTIVITY TEMPORARILY OR PERMANENTLY CEASES IS PRECLUDED BY SNOW COVER, STABILIZATION MEASURES SHALL BE INITIATED AS SOON AS PRACTICABLE THEREAFTER.

THE FOLLOWING STABILIZATION PRACTICES WILL BE USED FOR THIS PROJECT: (CHECK ALL THAT APPLY)

- |   |  |
|---|--|
| <input type="checkbox"/> PRESERVATION OF MATURE VEGETATION            | <input checked="" type="checkbox"/> EROSION CONTROL BLANKET / MULCHING |
| <input type="checkbox"/> VEGETATED BUFFER STRIPS                      | <input type="checkbox"/> SODDING                                       |
| <input checked="" type="checkbox"/> PROTECTION OF TREES               | <input type="checkbox"/> GEOTEXTILES                                   |
| <input checked="" type="checkbox"/> TEMPORARY EROSION CONTROL SEEDING | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input type="checkbox"/> TEMPORARY TURF (SEEDING, CLASS 7)            | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input type="checkbox"/> TEMPORARY MULCHING                           | <input type="checkbox"/> OTHER (SPECIFY).....                          |
| <input checked="" type="checkbox"/> PERMANENT SEEDING                 | <input type="checkbox"/> OTHER (SPECIFY).....                          |

DESCRIBE HOW THE STABILIZATION PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. TEMPORARY EROSION CONTROL SEEDING - THIS ITEM WILL BE APPLIED TO ALL BARE AREAS EVERY SEVEN DAYS TO MINIMIZE THE AMOUNT OF EXPOSED SURFACE AREAS.

EARTH STOCKPILES SHALL BE TEMPORARILY SEEDDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN 14 DAYS.

WITHIN THE CONSTRUCTION LIMITS, AREAS WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY TO PREVENT UNNECESSARY SOIL EROSION.

BARE AND SPARSELY VEGETATED GROUND IN HIGHLY ERODIBLE AREAS AS DETERMINED BY THE ENGINEER SHALL BE TEMPORARILY SEEDDED AT THE BEGINNING OF CONSTRUCTION WHERE NO CONSTRUCTION ACTIVITIES ARE EXPECTED WITHIN 7 DAYS.

2. PERMANENT SEEDING - SEEDING, CLASS 2A WILL BE INSTALLED PER IDOT SPECIFICATIONS.

3. EROSION CONTROL BLANKETS/MULCHING - EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES AND IN HIGH VELOCITY AREAS (I.E. DITCHES) THAT HAVE BEEN BROUGHT TO FINAL GRADE AND SEEDDED TO PROTECT SLOPES FROM EROSION AND ALLOW SEEDS TO GERMINATE. MULCH, METHOD 2 WILL BE APPLIED IN RELATIVELY FLAT AREAS TO PROTECT THE DISTURBED AREAS AND PREVENT FURTHER EROSION.

MULCH AS APPLIED TO TEMPORARY EROSION CONTROL SEEDING SHALL BE BY THE METHOD SPECIFIED IN THE CONTRACT AND AT THE DIRECTION OF THE ENGINEER. MULCH WILL BE PAID SEPARATELY AND SHALL CONFORM TO SECTION 251 OF THE STANDARD SPECIFICATIONS.

4. PROTECTION OF TREES/TEMPORARY TREE PROTECTION - THIS ITEM SHALL CONSIST OF ITEMS "TEMPORARY FENCING" AND "TREE TRUNK PROTECTION" AS SHOWN ON THE PLANS OR DIRECTED BY THE ENGINEER AND IN ACCORDANCE WITH ARTICLE 201.05 OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

2. PERMANENT STABILIZATION - ALL AREAS DISTURBED BY CONSTRUCTION WILL BE STABILIZED WITH PERMANENT SEEDING IMMEDIATELY FOLLOWING THE FINISHED GRADING. EROSION CONTROL BLANKETS WILL BE INSTALLED OVER FILL SLOPES WHICH HAVE BEEN BROUGHT TO FINAL GRADE AND HAVE BEEN SEEDDED TO PROTECT THE SLOPES FROM RILL AND GULLY EROSION AND ALLOW SEED TO GERMINATE PROPERLY. MULCH, METHOD 2 WILL BE USED ON RELATIVELY FLAT AREAS.

STRUCTURAL PRACTICES: PROVIDED BELOW IS A DESCRIPTION OF STRUCTURAL PRACTICES THAT WILL BE IMPLEMENTED, TO THE DEGREE ATTAINABLE, TO DIVERT FLOWS FROM EXPOSED SOILS, STORE FLOWS OR OTHERWISE LIMIT RUNOFF AND THE DISCHARGE OF POLLUTANTS FROM EXPOSED AREAS OF THE SITE. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: PERIMETER EROSION BARRIER, EARTH DIKES, DRAINAGE SWALES, SEDIMENT TRAPS, DITCH CHECKS, SUBSURFACE DRAINS, PIPE SLOPE DRAINS, LEVEL SPREADERS, STORM DRAIN INLET PROTECTION, ROCK, OUTLET PROTECTION, REINFORCED SOIL RETAINING SYSTEMS, GABIONS, AND TEMPORARY OR PERMANENT SEDIMENT BASINS. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

THE FOLLOWING STRUCTURAL PRACTICES WILL BE USED FOR THIS PROJECT:

- |  |  |
|--|--|
| <input checked="" type="checkbox"/> PERIMETER EROSION BARRIER    | <input type="checkbox"/> ROCK OUTLET PROTECTION  |
| <input checked="" type="checkbox"/> TEMPORARY DITCH CHECK        | <input checked="" type="checkbox"/> RIPRAP       |
| <input checked="" type="checkbox"/> STORM DRAIN INLET PROTECTION | <input type="checkbox"/> GABIONS                 |
| <input type="checkbox"/> SEDIMENT TRAP                           | <input type="checkbox"/> SLOPE MATTRESS          |
| <input type="checkbox"/> TEMPORARY PIPE SLOPE DRAIN              | <input type="checkbox"/> RETAINING WALLS         |
| <input type="checkbox"/> TEMPORARY SEDIMENT BASIN                | <input type="checkbox"/> SLOPE WALLS             |
| <input type="checkbox"/> TEMPORARY STREAM CROSSING               | <input type="checkbox"/> CONCRETE REVETMENT MATS |
| <input type="checkbox"/> STABILIZED CONSTRUCTION EXITS           | <input type="checkbox"/> LEVEL SPREADERS         |
| <input type="checkbox"/> TURF REINFORCEMENT MATS                 | <input type="checkbox"/> OTHER (SPECIFY).....    |
| <input type="checkbox"/> PERMANENT CHECK DAMS                    | <input type="checkbox"/> OTHER (SPECIFY).....    |
| <input type="checkbox"/> PERMANENT SEDIMENT BASIN                | <input type="checkbox"/> OTHER (SPECIFY).....    |
| <input type="checkbox"/> AGGREGATE DITCH                         | <input type="checkbox"/> OTHER (SPECIFY).....    |
| <input type="checkbox"/> PAVED DITCH                             | <input type="checkbox"/> OTHER (SPECIFY).....    |

DESCRIBE HOW THE STRUCTURAL PRACTICES LISTED ABOVE WILL BE UTILIZED:

1. PERIMETER EROSION BARRIER - SILT FENCES WILL BE PLACED ALONG THE CONSTRUCTION LIMITS IN AN EFFORT TO CONTAIN SILT AND RUNOFF FROM LEAVING THE SITE. CONSTRUCT AT BEGINNING OF CONSTRUCTION. REMOVE AT END OF CONSTRUCTION.

2. STORM DRAIN INLET PROTECTION - INLET AND PIPE PROTECTION WILL BE PROVIDED FOR STORM SEWERS AND CULVERTS. SEDIMENT FILTERS WILL BE PLACED IN ALL INLETS, CATCH BASINS AND MANHOLES WITH OPEN GRATE DURING CONSTRUCTION AND WILL BE CLEANED ON A REGULAR BASIS.

3. TEMPORARY DITCH CHECKS - DITCH CHECKS WILL BE PLACED IN SWALES WHERE RUNOFF VELOCITY IS HIGH. ALL STRUCTURAL PRACTICES ARE SHOWN IN DETAIL ON THE EROSION CONTROL PLANS. TEMPORARY DITCH CHECKS SHALL BE LOCATED AT EVERY 100 FT. FALL/RISE IN DITCH GRADE. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCE WILL NOT BE PERMITTED FOR TEMPORARY OR PERMANENT DITCH CHECKS. DITCH CHECKS SHALL BE COMPOSED OF ROLLED EXCELSTOR.

4. RIPRAP - STONE RIPRAP WITH FILTER FABRIC WILL BE USED AS PROTECTION AT THE DISCHARGE END OF ALL CULVERT END SECTIONS AND AS INLET/OUTLET PROTECTION TO PREVENT SCOURING AT THE END OF PIPES AND PREVENT DOWNSTREAM EROSION.

AS SOON AS REASONABLE ACCESS IS AVAILABLE TO ALL LOCATIONS WHERE WATER DRAINS AWAY FROM THE PROJECT, TEMPORARY DITCH CHECKS, INLET AND PIPE PROTECTION, AND PERIMETER EROSION BARRIER SHALL BE INSTALLED AS CALLED OUT IN THIS PLAN AND DIRECTED BY THE ENGINEER.

ALL EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO THE APPROVAL AND USE OF THE PRODUCT, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER A NOTARIZED CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO FACILITATE THE ENGINEER IN CONSTRUCTION INSPECTION.

FILE NAME = 0876015-eh1-svpp1.dgn	USER NAME = dwozniarski	DESIGNED - DRAWN - DMW	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>		<b>STORM WATER POLLUTION PREVENTION PLAN</b>				F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 25
PLOT SCALE = 88.00' / IN.	CHECKED - DATE = 7/9/2010	REVISED - REVISED -	SCALE: NA							SHEET NO. 1 OF 2 SHEETS	STA. TO STA.	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT	CONTRACT NO. 76015

3. STORM WATER MANAGEMENT: PROVIDED BELOW IS A DESCRIPTION OF MEASURES THAT WILL BE INSTALLED DURING THE CONSTRUCTION PROCESS TO CONTROL POLLUTANTS IN STORM WATER DISCHARGES THAT WILL OCCUR AFTER CONSTRUCTION OPERATIONS HAVE BEEN COMPLETED. THE INSTALLATION OF THESE DEVICES MAY BE SUBJECT TO SECTION 404 OF THE CLEAN WATER ACT.

- c. SUCH PRACTICES MAY INCLUDE BUT ARE NOT LIMITED TO: STORM WATER DETENTION STRUCTURES (INCLUDING WET PONDS), STORM WATER RETENTION STRUCTURES, FLOW ATTENUATION BY USE OF OPEN VEGETATED SWALES AND NATURAL DEPRESSIONS, INFILTRATION OF RUNOFF ON SITE, AND SEQUENTIAL SYSTEMS (WHICH COMBINE SEVERAL PRACTICES).  
THE PRACTICES SELECTED FOR IMPLEMENTATION WERE DETERMINED ON THE BASIS OF THE TECHNICAL GUIDANCE IN SECTION 59-8 (EROSION AND SEDIMENT CONTROL) IN CHAPTER 59 (LANDSCAPE DESIGN AND EROSION CONTROL) OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION BUREAU OF DESIGN AND ENVIRONMENT MANUAL. IF PRACTICES OTHER THAN THOSE DISCUSSED IN SECTION 59-8 ARE SELECTED FOR IMPLEMENTATION OR IF PRACTICES ARE APPLIED TO SITUATIONS DIFFERENT FROM THOSE COVERED IN SECTION 59-8, THE TECHNICAL BASIS FOR SUCH DECISIONS WILL BE EXPLAINED BELOW.
- b. VELOCITY DISSIPATION DEVICES WILL BE PLACED AT DISCHARGE LOCATIONS AND ALONG THE LENGTH OF ANY OUTFALL CHANNEL AS NECESSARY TO PROVIDE A NON-EROSIVE VELOCITY FLOW FROM THE STRUCTURE TO A WATER COURSE SO THAT THE NATURAL PHYSICAL AND BIOLOGICAL CHARACTERISTICS AND FUNCTIONS ARE MAINTAINED AND PROTECTED (E.G. MAINTENANCE OF HYDROLOGIC CONDITIONS SUCH AS THE HYDROPERIOD AND HYDRODYNAMICS PRESENT PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES).

DESCRIPTION OF STORM WATER MANAGEMENT CONTROLS:

THE PHASE I STUDY HAS DETERMINED THAT NO STORM WATER DETENTION IS REQUIRED FOR THE PROPOSED STORM SEWER OUTLETS TO BE CONSTRUCTED FOR THIS PROJECT.

4. OTHER CONTROLS:

- c. VEHICLE ENTRANCES AND EXITS - STABILIZED CONSTRUCTION ENTRANCES AND EXITS MUST BE CONSTRUCTED TO PREVENT TRACKING OF SEDIMENTS ONTO ROADWAYS.  
  
THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN IDENTIFYING THE LOCATION OF STABILIZED ENTRANCES AND EXITS AND THE PROCEDURES (S)HE WILL USE TO CONSTRUCT AND MAINTAIN THEM.
- d. MATERIAL DELIVERY, STORAGE, AND USE - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO HELP PREVENT DISCHARGES OF CONSTRUCTION MATERIALS DURING DELIVERY, STORAGE, AND USE:
  - ALL PRODUCTS DELIVERED TO THE PROJECT SITE MUST BE PROPERLY LABELED.
  - WATER TIGHT SHIPPING CONTAINERS AND/OR SEMI TRAILERS SHALL BE USED TO STORE HAND TOOLS, SMALL PARTS, AND MOST CONSTRUCTION MATERIALS THAT CAN BE CARRIED BY HAND, SUCH AS PAINT CANS, SOLVENTS, AND GREASE.
  - A STORAGE/CONTAINMENT FACILITY SHOULD BE CHOSEN FOR LARGER ITEMS SUCH AS DRUMS AND ITEMS SHIPPED OR STORED ON PALLETS. SUCH MATERIAL IS TO BE COVERED BY A TIN ROOF OR LARGE SHEETS OF PLASTIC TO PREVENT PRECIPITATION FROM COMING IN CONTACT WITH THE PRODUCTS BEING STORED.
  - LARGE ITEMS SUCH AS LIGHT STANDS, FRAMING MATERIALS AND LUMBER SHALL BE STORED IN THE OPEN IN A GENERAL STORAGE AREA. SUCH MATERIAL SHALL BE ELEVATED WITH WOOD BLOCKS TO MINIMIZE CONTACT WITH STORM WATER RUNOFF.
  - SPILL CLEAN-UP MATERIALS, MATERIAL SAFETY DATA SHEETS, AN INVENTORY OF MATERIALS, AND EMERGENCY CONTACT NUMBERS SHALL BE MAINTAINED AND STORED IN ONE DESIGNATED AREA AND EACH CONTRACTOR IS TO INFORM HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER OF THIS LOCATION.
- e. STOCKPILE MANAGEMENT - BMPs SHALL BE IMPLEMENTED TO REDUCE OR ELIMINATE POLLUTION OF STORM WATER FROM STOCKPILES OF SOIL AND PAVING MATERIALS SUCH AS BUT NOT LIMITED TO PORTLAND CEMENT CONCRETE RUBBLE, ASPHALT CONCRETE, ASPHALT CONCRETE RUBBLE, AGGREGATE BASE, AGGREGATE SUB BASE, AND PRE-MIXED AGGREGATE. THE FOLLOWING BMPs MAY BE CONSIDERED:
  - PERIMETER EROSION BARRIER
  - TEMPORARY SEEDING
  - TEMPORARY MULCH
  - SOIL BINDERS
  - STORM DRAIN INLET PROTECTION

THE CONTRACTOR WILL PROVIDE THE RESIDENT ENGINEER WITH A WRITTEN PLAN OF THE PROCEDURES (S)HE WILL USE ON THE PROJECT AND HOW THEY WILL BE MAINTAINED.

- d. WASTE DISPOSAL. NO MATERIALS, INCLUDING BUILDING MATERIALS, SHALL BE DISCHARGED INTO WATERS OF THE STATE, EXCEPT AS AUTHORIZED BY A SECTION 404 PERMIT.
  - e. THE PROVISIONS OF THIS PLAN SHALL ENSURE AND DEMONSTRATE COMPLIANCE WITH APPLICABLE STATE AND/OR LOCAL WASTE DISPOSAL, SANITARY SEWER OR SEPTIC SYSTEM REGULATIONS.
  - f. THE CONTRACTOR SHALL PROVIDE A WRITTEN AND GRAPHIC PLAN TO THE RESIDENT ENGINEER IDENTIFYING WHERE EACH OF THE ABOVE AREAS WILL BE LOCATED AND HOW THEY ARE TO BE MANAGED.
5. APPROVED STATE OR LOCAL LAWS

THE MANAGEMENT PRACTICES, CONTROLS AND PROVISIONS CONTAINED IN THIS PLAN WILL BE IN ACCORDANCE WITH IDOT SPECIFICATIONS, WHICH ARE AT LEAST AS PROTECTIVE AS THE REQUIREMENTS CONTAINED IN THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY'S ILLINOIS URBAN MANUAL, 1995. PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS SHALL BE DESCRIBED OR INCORPORATED BY REFERENCE IN THE SPACE PROVIDED BELOW. REQUIREMENTS SPECIFIED IN SEDIMENT AND EROSION SITE PLANS, SITE PERMITS, STORM WATER MANAGEMENT SITE PLANS OR SITE PERMITS APPROVED BY LOCAL OFFICIALS THAT ARE APPLICABLE TO PROTECTING SURFACE WATER RESOURCES ARE, UPON SUBMITTAL OF AN NOI, TO BE AUTHORIZED TO DISCHARGE UNDER PERMIT ILR10 INCORPORATED BY REFERENCE AND ARE ENFORCEABLE UNDER THIS PERMIT EVEN IF THEY ARE NOT SPECIFICALLY INCLUDED IN THE PLAN.

DESCRIPTION OF PROCEDURES AND REQUIREMENTS SPECIFIED IN APPLICABLE SEDIMENT AND EROSION SITE PLANS OR STORM WATER MANAGEMENT PLANS APPROVED BY LOCAL OFFICIALS:

ALL MANAGEMENT PRACTICES, CONTROLS, AND OTHER PROVISIONS PROVIDED IN THIS PLAN ARE IN ACCORDANCE WITH "IDOT STANDARD SPECIFICATION FOR ROAD AND BRIDGE CONSTRUCTION AND THE ILLINOIS URBAN MANUAL".

III. MAINTENANCE:

THE FOLLOWING IS A DESCRIPTION OF PROCEDURES THAT WILL BE USED TO MAINTAIN, IN GOOD AND EFFECTIVE OPERATING CONDITIONS, THE VEGETATION, EROSION AND SEDIMENT CONTROL MEASURES AND OTHER PROTECTIVE MEASURES IDENTIFIED IN THIS PLAN. THE RESIDENT ENGINEER WILL PROVIDE MAINTENANCE GUIDES TO THE CONTRACTOR FOR THE PRACTICES ASSOCIATED WITH THIS PROJECT.

1. SEEDING - ALL ERODIBLE BARE EARTH WILL BE TEMPORARILY SEEDED ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE WITHIN THE CONTRACT LIMITS.
2. PERIMETER EROSION BARRIER - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE FENCING IS IN JEOPARDY AND ANY FENCING KNOCKED DOWN WILL BE REPAIRED IMMEDIATELY.
3. EROSION CONTROL BLANKET/MULCHING - ANY AREAS THAT FAIL WILL BE REPAIRED IMMEDIATELY.
4. PROTECTION OF TREES/TEMPORARY TREE PROTECTION - ANY PROTECTIVE MEASURES WHICH ARE KNOCKED DOWN WILL BE REPAIRED IMMEDIATELY.
5. DITCH CHECKS - SEDIMENT WILL BE REMOVED IF THE INTEGRITY OF THE DITCH CHECK IS IN JEOPARDY. ANY DITCH CHECKS WHICH FAIL WILL BE REPAIRED OR REPLACED IMMEDIATELY.

ALL MAINTENANCE OF EROSION CONTROL SYSTEMS WILL BE THE RESPONSIBILITY OF THE CONTRACTOR UNTIL CONSTRUCTION IS COMPLETE AND ACCEPTED BY IDOT AFTER FINAL INSPECTION. ALL LOCATIONS WHERE VEHICLES ENTER AND EXIT THE CONSTRUCTION SITE AND ALL OTHER AREAS SUBJECT TO EROSION SHOULD ALSO BE INSPECTED PERIODICALLY.

INSPECTION OF THESE AREAS SHALL BE MADE AT LEAST ONCE EVERY SEVEN DAYS AND WITHIN 24 HOURS OF THE END OF EACH 0.5 INCHES OR GREATER RAINFALL, OR AN EQUIVALENT SNOWFALL. THE PROJECT SHALL ADDITIONALLY BE INSPECTED BY THE CONSTRUCTION FIELD ENGINEER ON A BI-WEEKLY BASIS TO DETERMINE THAT EROSION CONTROL EFFORTS ARE IN PLACE AND EFFECTIVE AND IF OTHER EROSION CONTROL WORK IS NECESSARY.

THE TEMPORARY EROSION CONTROL SYSTEMS SHALL BE REMOVED AS DIRECTED BY THE ENGINEER AFTER USE IS NO LONGER NEEDED. THE COST OF THIS REMOVAL SHALL BE INCLUDED IN THE UNIT BID PRICE FOR THE TEMPORARY EROSION CONTROL SYSTEM.

IV. INSPECTIONS

QUALIFIED PERSONNEL SHALL INSPECT DISTURBED AREAS OF THE CONSTRUCTION SITE WHICH HAVE NOT YET BEEN FINALLY STABILIZED, STRUCTURAL CONTROL MEASURES, AND LOCATIONS WHERE VEHICLES AND EQUIPMENT ENTER AND EXIT THE SITE. SUCH INSPECTIONS SHALL BE CONDUCTED AT LEAST ONCE EVERY SEVEN (7) CALENDAR DAYS AND WITHIN 24 HOURS OF THE END OF A STORM THAT IS 0.5 INCHES OR GREATER OR EQUIVALENT SNOWFALL.

- A. DISTURBED AREAS, USE AREAS (STORAGE OF MATERIALS, STOCKPILES, MACHINE MAINTENANCE FUELING, ETC.), BORROW SITES, AND WASTE SITES SHALL BE INSPECTED FOR EVIDENCE OF, OR THE POTENTIAL FOR, POLLUTANTS ENTERING THE DRAINAGE SYSTEM. EROSION AND SEDIMENT CONTROL MEASURES IDENTIFIED IN THE PLAN SHALL BE OBSERVED TO ENSURE THAT THEY ARE OPERATING CORRECTLY. DISCHARGE LOCATIONS OR POINTS THAT ARE ACCESSIBLE, SHALL BE INSPECTED TO ASCERTAIN WHETHER EROSION CONTROL MEASURES ARE EFFECTIVE IN PREVENTING SIGNIFICANT IMPACTS TO RECEIVING WATERS. LOCATIONS WHERE VEHICLES ENTER OR EXIT THE SITE SHALL BE INSPECTED FOR EVIDENCE OF OFF SITE SEDIMENT TRACKING.
- B. BASED ON THE RESULTS OF THE INSPECTION, THE DESCRIPTION OF POTENTIAL POLLUTANT SOURCES IDENTIFIED IN SECTION I ABOVE AND POLLUTION PREVENTION MEASURES IDENTIFIED IN SECTION II ABOVE SHALL BE REVISED AS APPROPRIATE AS SOON AS PRACTICABLE AFTER SUCH INSPECTION. ANY CHANGES TO THIS PLAN RESULTING FROM THE REQUIRED INSPECTIONS SHALL BE IMPLEMENTED WITHIN 1/2 HOUR TO 1 WEEK BASED ON THE URGENCY OF THE SITUATION. THE RESIDENT ENGINEER WILL NOTIFY THE CONTRACTOR OF THE TIME REQUIRED TO IMPLEMENT SUCH ACTIONS THROUGH THE WEEKLY INSPECTION REPORT.
- C. A REPORT SUMMARIZING THE SCOPE OF THE INSPECTION, NAME(S) AND QUALIFICATIONS OF PERSONNEL MAKING THE INSPECTION, THE DATE(S) OF THE INSPECTION, MAJOR OBSERVATIONS RELATING TO THE IMPLEMENTATION OF THIS STORM WATER POLLUTION PREVENTION PLAN, AND ACTIONS TAKEN IN ACCORDANCE WITH SECTION IV(B) SHALL BE MADE AND RETAINED AS PART OF THE PLAN FOR AT LEAST THREE (3) YEARS AFTER THE DATE OF THE INSPECTION. THE REPORT SHALL BE SIGNED IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.
- D. IF ANY VIOLATION OF THE PROVISIONS OF THIS PLAN IS IDENTIFIED DURING THE CONDUCT OF THE CONSTRUCTION WORK COVERED BY THIS PLAN, THE RESIDENT ENGINEER SHALL NOTIFY THE APPROPRIATE I.E.P.A. FIELD OPERATIONS SECTION OFFICE BY EMAIL OF: [epa.swnoncomp@illinois.gov](mailto:epa.swnoncomp@illinois.gov), TELEPHONE OR FAX WITHIN 24 HOURS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL THEN COMPLETE AND SUBMIT AN "INCIDENCE OF NON-COMPLIANCE" (ION) REPORT FOR THE IDENTIFIED VIOLATION WITHIN 5 DAYS OF THE INCIDENT. THE RESIDENT ENGINEER SHALL USE FORMS PROVIDED BY THE ILLINOIS ENVIRONMENTAL PROTECTION AGENCY AND SHALL INCLUDE SPECIFIC INFORMATION ON THE CAUSE OF NONCOMPLIANCE, ACTIONS WHICH WERE TAKEN TO PREVENT ANY FURTHER CAUSES OF NONCOMPLIANCE, AND A STATEMENT DETAILING ANY ENVIRONMENTAL IMPACT WHICH MAY HAVE RESULTED FROM THE NONCOMPLIANCE. ALL REPORTS OF NONCOMPLIANCE SHALL BE SIGNED BY A RESPONSIBLE AUTHORITY IN ACCORDANCE WITH PART VI. G OF THE GENERAL PERMIT.

THE INCIDENT OF NONCOMPLIANCE SHALL BE MAILED TO THE FOLLOWING ADDRESS:

ILLINOIS ENVIRONMENTAL PROTECTION AGENCY  
DIVISION OF WATER POLLUTION CONTROL  
ATTN: COMPLIANCE ASSURANCE SECTION  
1021 NORTH GRAND EAST  
POST OFFICE BOX 19276  
SPRINGFIELD, ILLINOIS 62794-9276

V. NON-STORM WATER DISCHARGES:

EXCEPT FOR FLOWS FROM FIRE FIGHTING ACTIVITIES, SOURCES OF NON-STORM WATER THAT IS COMBINED WITH STORM WATER DISCHARGES ASSOCIATED WITH THE INDUSTRIAL ACTIVITY ADDRESSED IN THIS PLAN MUST BE DESCRIBED BELOW. APPROPRIATE POLLUTION PREVENTION MEASURES, AS DESCRIBED BELOW, WILL BE IMPLEMENTED FOR THE NON-STORM WATER COMPONENT(S) OF THE DISCHARGE.

- A. SPILL PREVENTION AND CONTROL - BMPs SHALL BE IMPLEMENTED TO CONTAIN AND CLEAN-UP SPILLS AND PREVENT MATERIAL DISCHARGES TO THE STORM DRAIN SYSTEM. THE CONTRACTOR SHALL PRODUCE A WRITTEN PLAN STATING HOW HIS/HER COMPANY WILL PREVENT, REPORT, AND CLEAN UP SPILLS AND PROVIDE A COPY TO ALL OF HIS/HER EMPLOYEES AND THE RESIDENT ENGINEER. THE CONTRACTOR SHALL NOTIFY ALL OF HIS/HER EMPLOYEES ON THE PROPER PROTOCOL FOR REPORTING SPILLS. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY SPILLS IMMEDIATELY.

- B. CONCRETE RESIDUALS AND WASHOUT WASTES - THE FOLLOWING BMPs SHALL BE IMPLEMENTED TO CONTROL RESIDUAL CONCRETE, CONCRETE SEDIMENTS, AND RINSE WATER:
  1. TEMPORARY CONCRETE WASHOUT FACILITIES SHALL BE CONSTRUCTED FOR RINSING OUT CONCRETE TRUCKS. SIGNS SHALL BE INSTALLED DIRECTING CONCRETE TRUCK DRIVERS WHERE DESIGNATED WASHOUT FACILITIES ARE LOCATED.
  2. THE CONTRACTOR SHALL HAVE THE LOCATION OF TEMPORARY CONCRETE WASHOUT FACILITIES APPROVED BY THE RESIDENT ENGINEER.
  3. ALL TEMPORARY CONCRETE WASHOUT FACILITIES ARE TO BE INSPECTED BY THE CONTRACTOR AFTER EACH USE AND ALL SPILLS MUST BE REPORTED TO THE RESIDENT ENGINEER AND CLEANED UP IMMEDIATELY.
  4. CONCRETE WASTE SOLIDS/LIQUIDS SHALL BE DISPOSED OF PROPERLY.

- C. LITTER MANAGEMENT - A PROPER NUMBER OF DUMPSTERS SHALL BE PROVIDED ON SITE TO HANDLE DEBRIS AND LITTER ASSOCIATED WITH THE PROJECT. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING HIS/HER EMPLOYEES PLACE ALL LITTER INCLUDING MARKING PAINT CANS, SODA CANS, FOOD WRAPPERS, WOOD LATHE, MARKING RIBBON, CONSTRUCTION STRING, AND ALL OTHER CONSTRUCTION RELATED LITTER IN THE PROPER DUMPSTERS.

- D. VEHICLE AND EQUIPMENT CLEANING - VEHICLES AND EQUIPMENT ARE TO BE CLEANED IN DESIGNATED AREAS ONLY, PREFERABLY OFF SITE.






- E. VEHICLE AND EQUIPMENT FUELING - A VARIETY OF BMPs CAN BE IMPLEMENTED DURING FUELING OF VEHICLES AND EQUIPMENT TO PREVENT POLLUTION. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER AS TO WHICH BMPs WILL BE USED ON THE PROJECT. THE CONTRACTOR SHALL INFORM THE RESIDENT ENGINEER HOW (S)HE WILL BE INFORMING HIS/HER EMPLOYEES OF THESE BMPs (I.E. SIGNS, TRAINING, ETC.). BELOW ARE A FEW EXAMPLES OF THESE BMPs:
  1. CONTAINMENT
  2. SPILL PREVENTION AND CONTROL
  3. USE OF DRIP PANS AND ABSORBENTS
  4. AUTOMATIC SHUT-OFF NOZZLES
  5. TOPPING OFF RESTRICTIONS
  6. LEAK INSPECTION AND REPAIR

- F. VEHICLE AND EQUIPMENT MAINTENANCE - ON SITE MAINTENANCE MUST BE PERFORMED IN ACCORDANCE WITH ALL ENVIRONMENTAL LAWS SUCH AS PROPER STORAGE AND NO DUMPING OF OLD ENGINE OIL OR OTHER FLUIDS ON SITE.

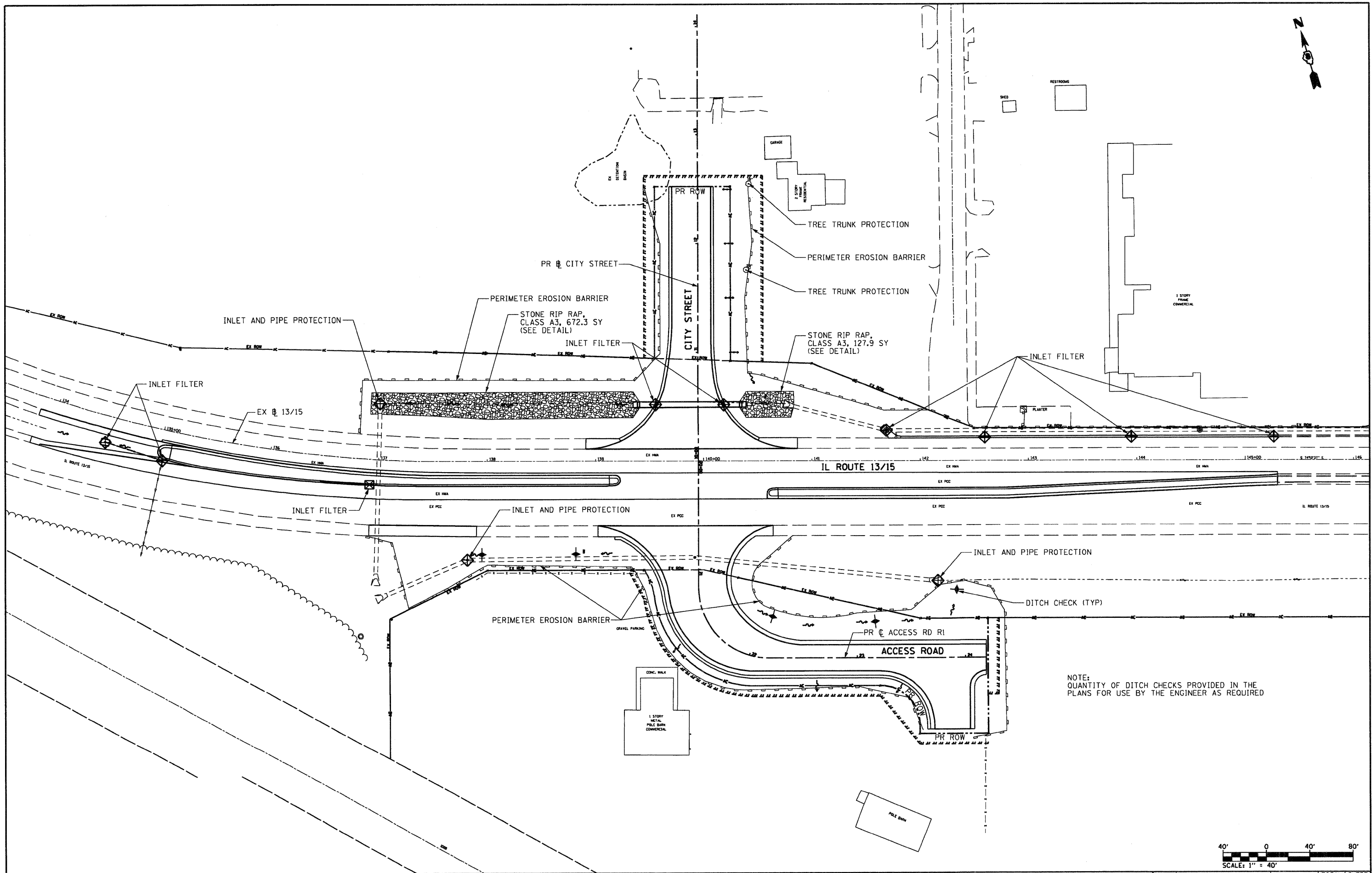
VI. FAILURE TO COMPLY:

FAILURE TO COMPLY WITH ANY PROVISIONS OF THIS STORM WATER POLLUTION PREVENTION PLAN WILL RESULT IN THE IMPLEMENTATION OF AN EROSION AND SEDIMENT CONTROL DEFICIENCY DEDUCTION AGAINST THE CONTRACTOR AND/OR PENALTIES UNDER THE NPDES PERMIT WHICH COULD BE PASSED ONTO THE CONTRACTOR.

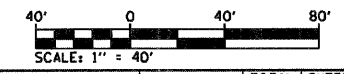
LEGEND

-  TEMPORARY DITCH CHECK - ROLLED EXCELSIOR, SILT WEDGES/PANELS
-  TEMPORARY DITCH CHECK - AGGREGATE
-  EROSION CONTROL BLANKET
-  PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY THE ENGINEER
-  INLET AND PIPE PROTECTION - STRAW BALES, FILTER FABRIC, AGGREGATES

FILE NAME = 0876015-shr-svppp2.dgn	USER NAME = dvoznarski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>STORM WATER POLLUTION PREVENTION PLAN</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 26
		DRAWN - DMW	REVISED -					SCALE: NA SHEET NO. 2 OF 2 SHEETS STA. TO STA.			FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
		CHECKED -	REVISED -		CONTRACT NO. 76015							
		DATE - 7/9/2010	REVISED -									



NOTE:  
QUANTITY OF DITCH CHECKS PROVIDED IN THE  
PLANS FOR USE BY THE ENGINEER AS REQUIRED



FILE NAME =  
0876015-sh1-eros.dgn

USER NAME = dwoznarski  
PLOT SCALE = 80.00' / IN.  
PLOT DATE = 9/14/2010

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DATE - 7/9/2010

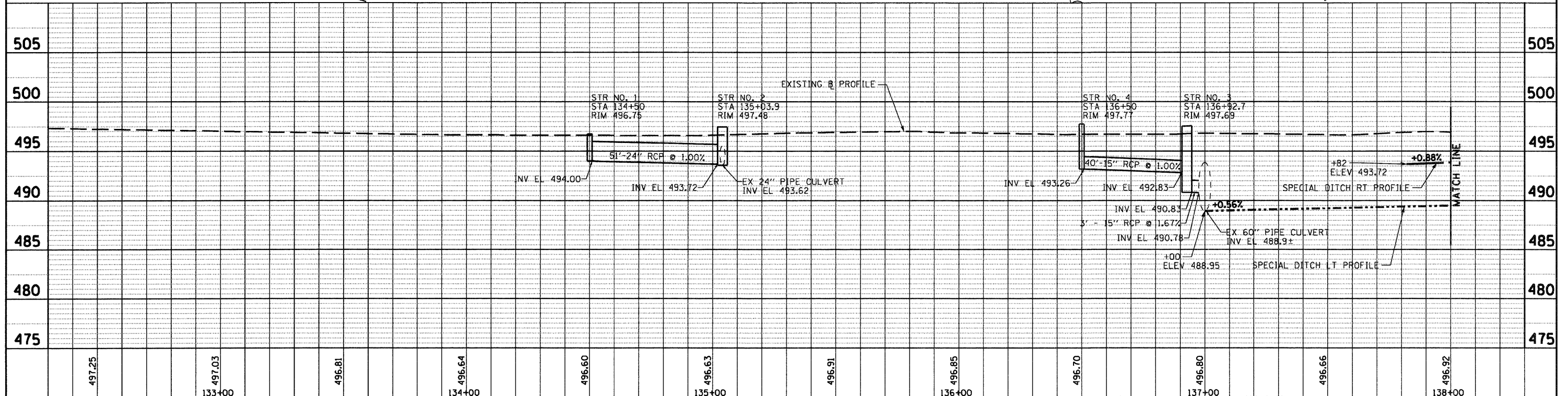
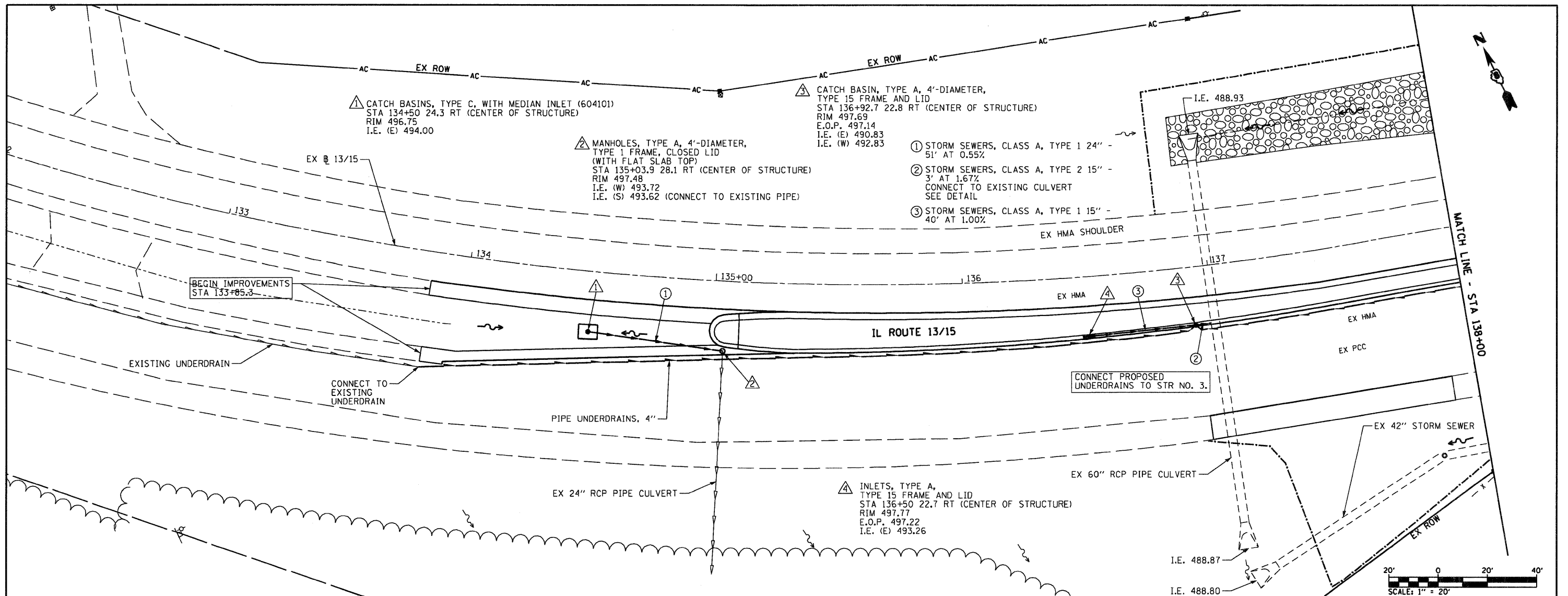
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**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

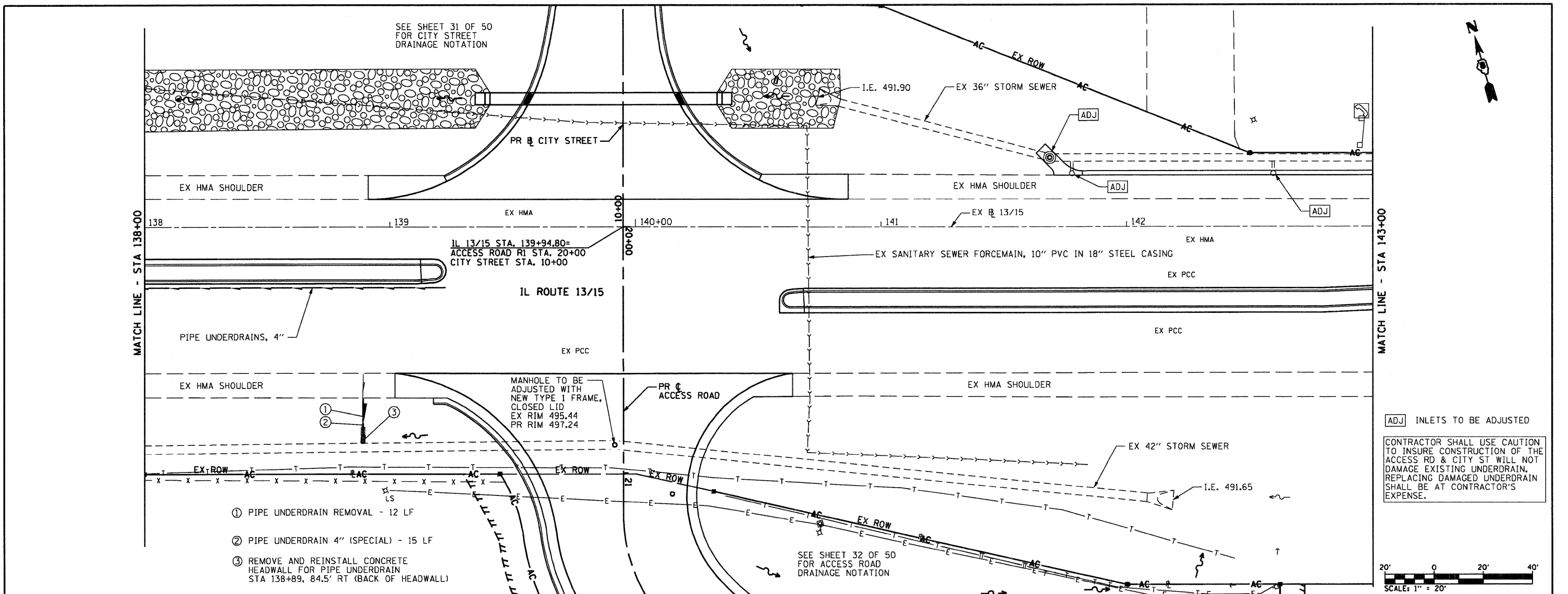
**EROSION AND SEDIMENT CONTROL PLAN**

SCALE: 1" = 40'    SHEET NO. 1 OF 1 SHEETS    STA. 133+85.3 TO STA. 146+00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-N	ST. CLAIR	50	27
CONTRACT NO. 76015				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



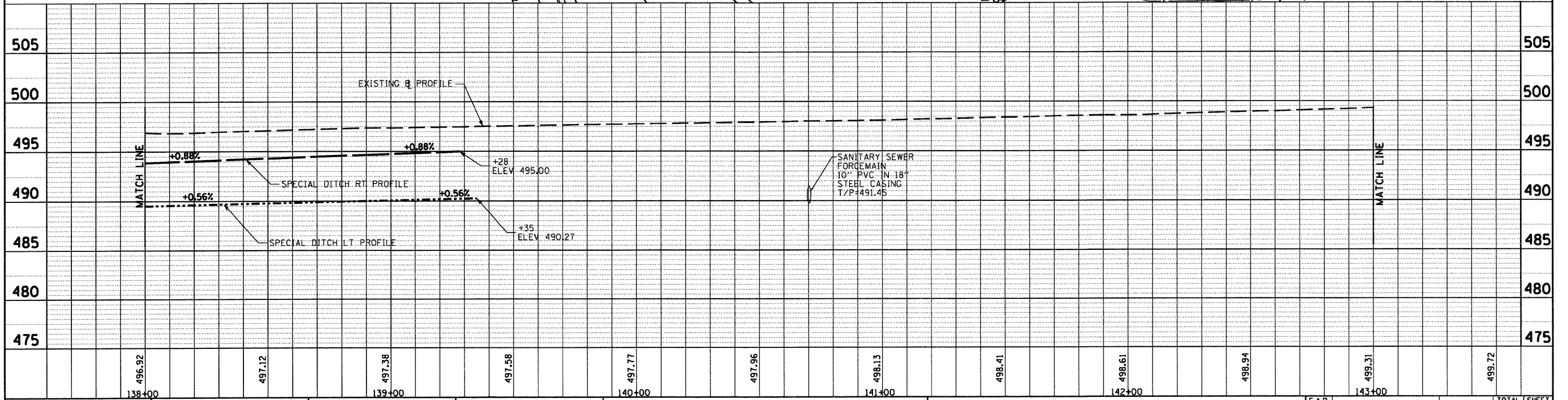
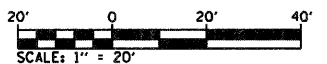
FILE NAME = 0876015-sht-drain1.dgn	USER NAME = dwoznarski	DESIGNED - DRAWN - DMW	REVISED - REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	IL ROUTE 13/15 DRAINAGE AND UTILITIES	F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 28
PLOT SCALE = 40.0000' / IN.	DATE = 7/9/2010	CHECKED -	REVISED -	SCALE: 1"=20'	SHEET NO. 1 OF 5 SHEETS	STA. 133+00	TO STA. 138+00	CONTRACT NO. 76015		
PLOT DATE = 9/14/2010		DATE =				FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				



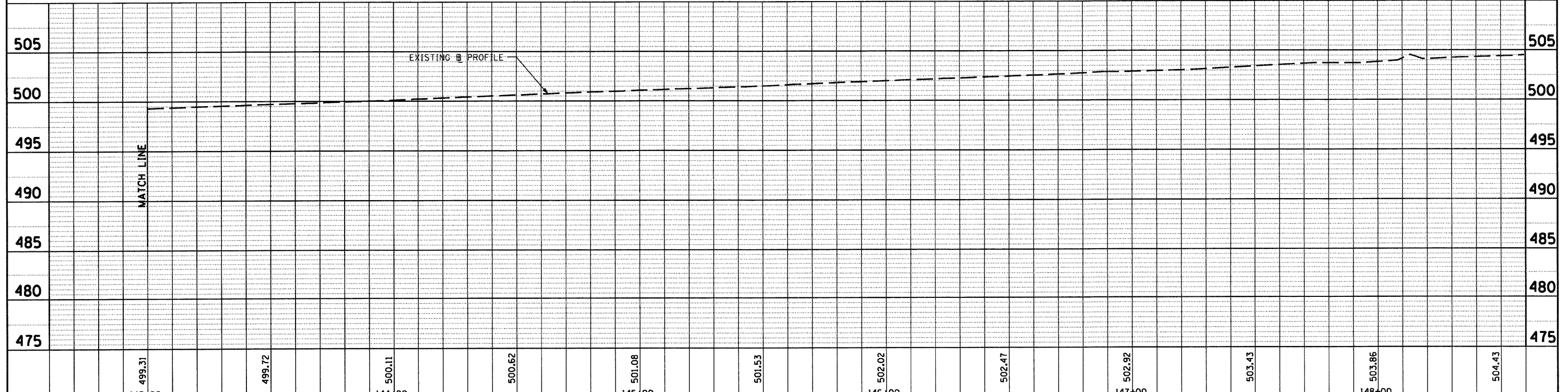
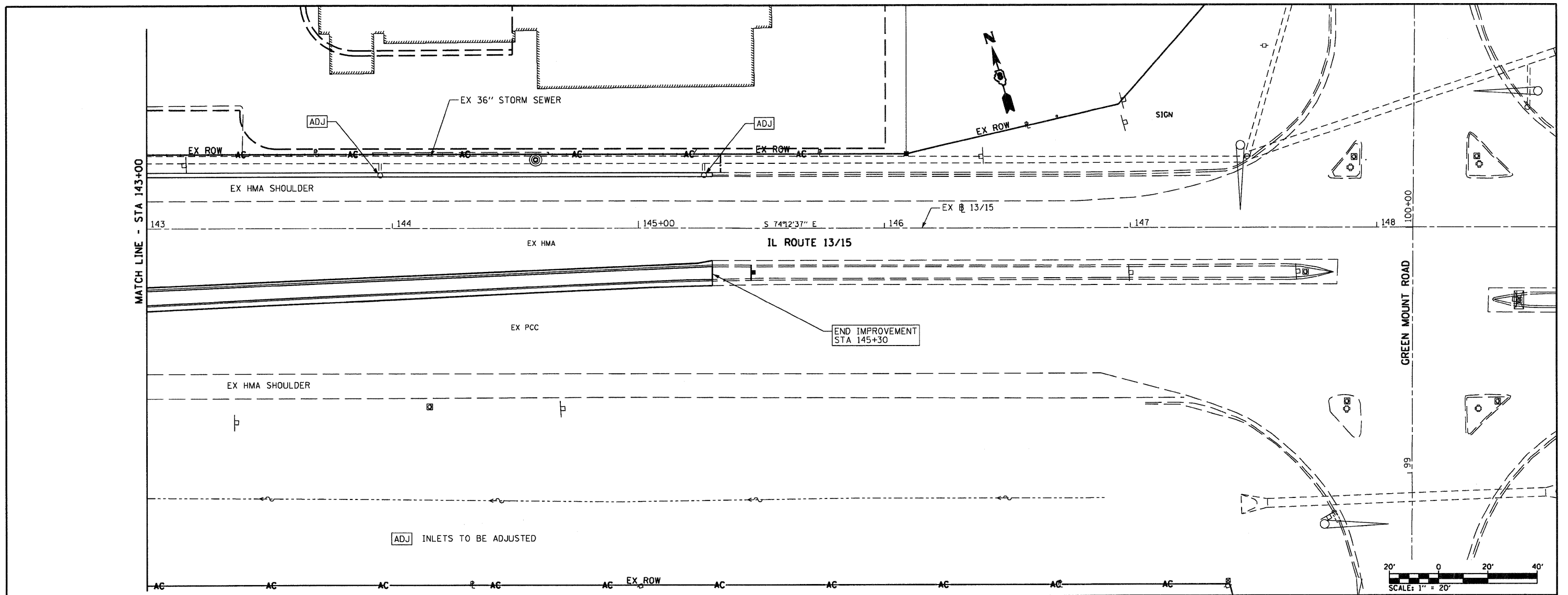
- ① PIPE UNDERDRAIN REMOVAL - 12 LF
- ② PIPE UNDERDRAIN 4" (SPECIAL) - 15 LF
- ③ REMOVE AND REINSTALL CONCRETE HEADWALL FOR PIPE UNDERDRAIN STA 138+89, 84.5' RT (BACK OF HEADWALL)

ADJ INLETS TO BE ADJUSTED

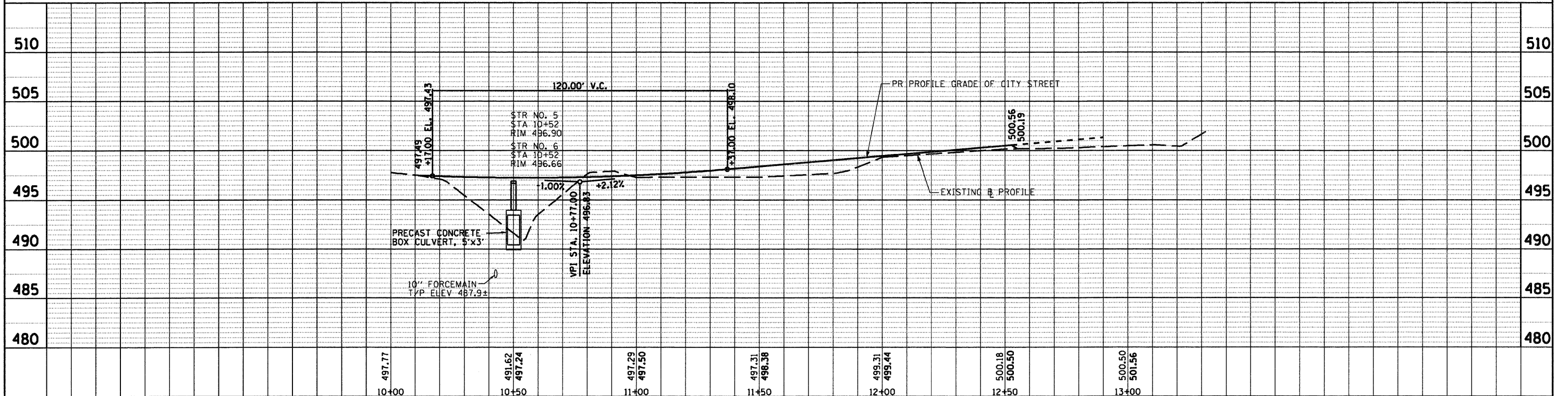
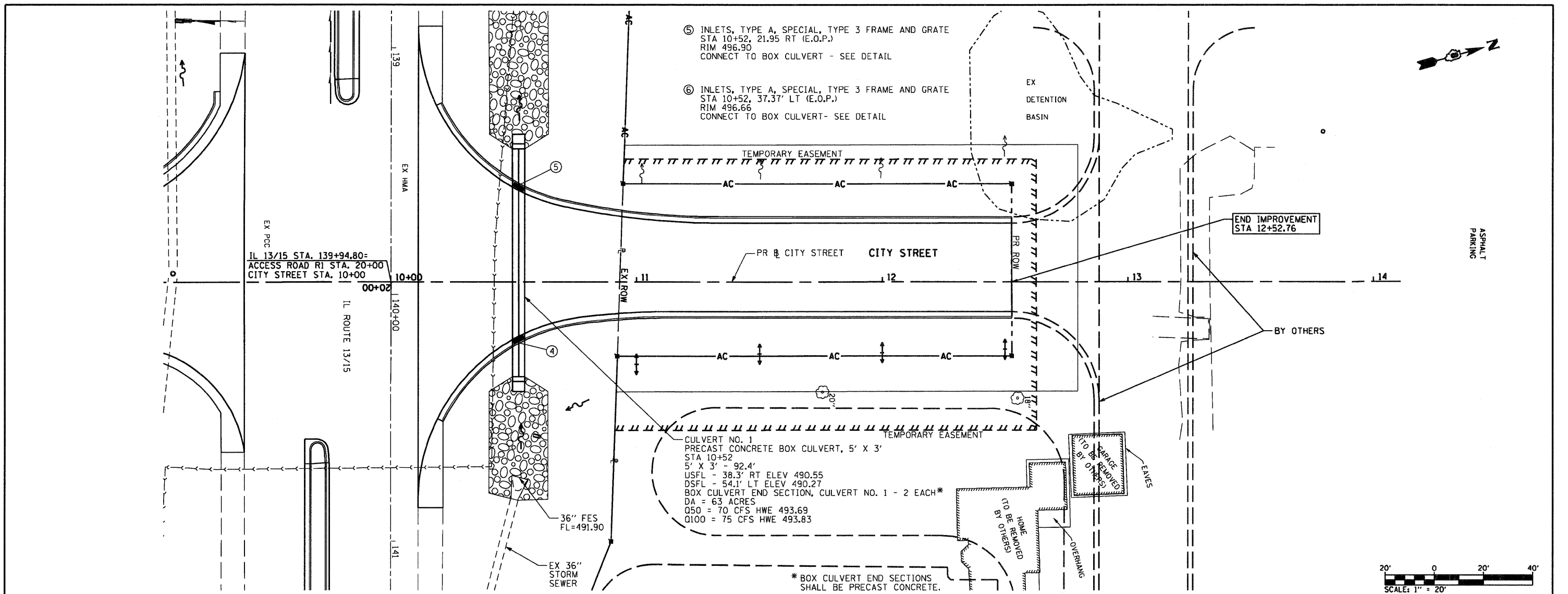
CONTRACTOR SHALL USE CAUTION TO INSURE CONSTRUCTION OF THE ACCESS RD & CITY ST WILL NOT DAMAGE EXISTING UNDERDRAIN. REPLACING DAMAGED UNDERDRAIN SHALL BE AT CONTRACTOR'S EXPENSE.



FILE NAME = D876015-sh1-drain2.dgn	USER NAME = dvozmbrski	DESIGNED - DRAWN - DMW	REVISED - REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>IL ROUTE 1315 DRAINAGE AND UTILITIES</b>				F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 29	
PLOT SCALE = 40.0000' / IN.		CHECKED -	REVISED -	SCALE: 1"=20'				SHEET NO. 2 OF 5 SHEETS				STA. 138+00 TO STA. 143+00				CONTRACT NO. 76015	
PLOT DATE = 9/14/2010		DATE = 7/9/2010	REVISED -									FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT					

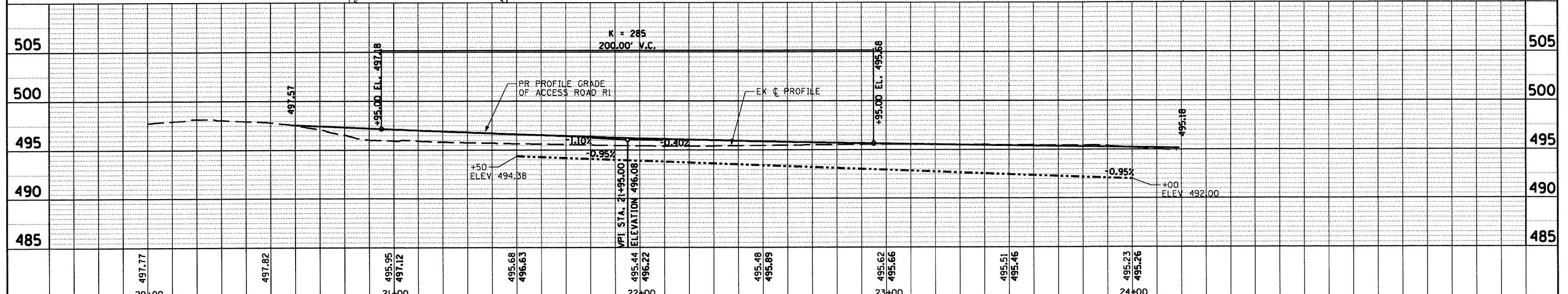
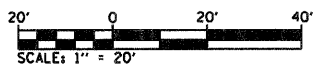
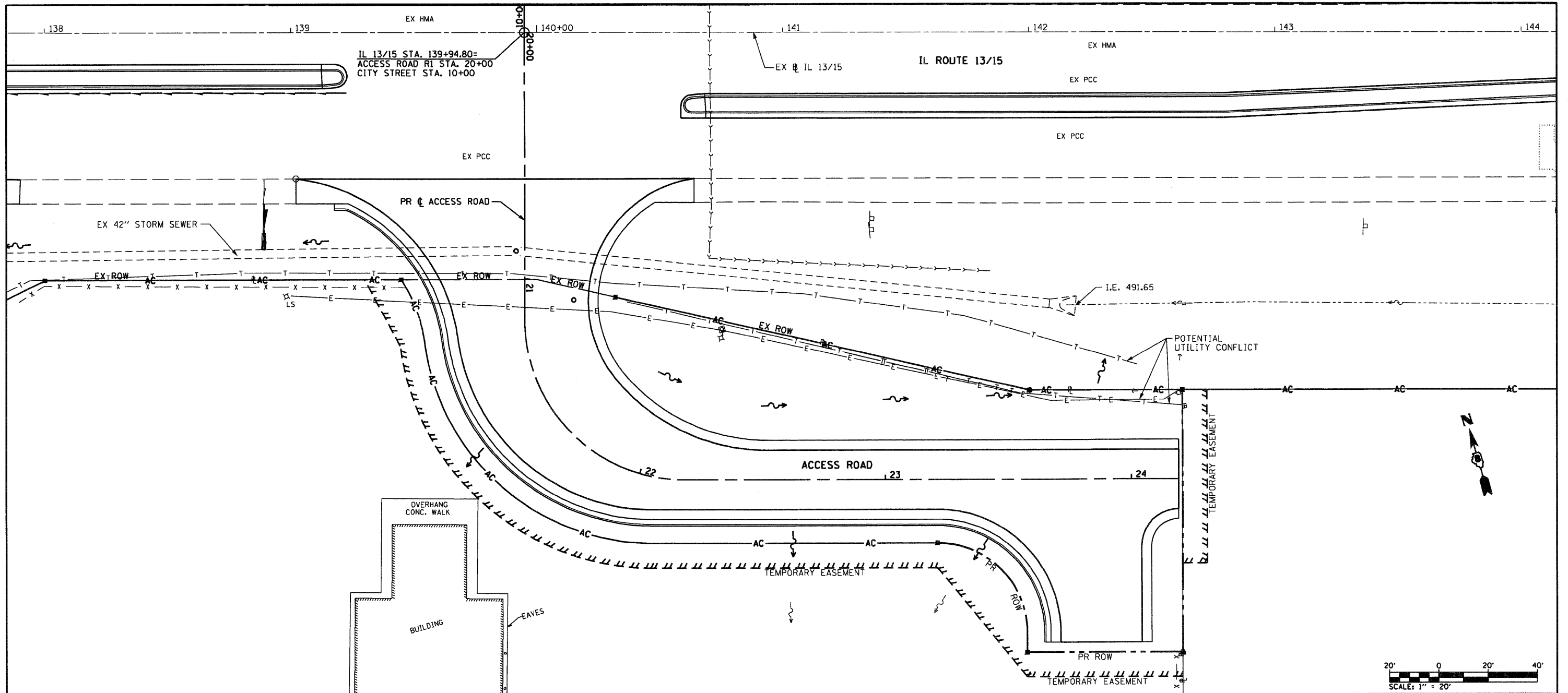


FILE NAME = 0876015-shd-drain3.dgn	USER NAME = dwoznarski	DESIGNED - DMW	REVISOR - DMW	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>				<b>IL ROUTE 1315 DRAINAGE AND UTILITIES</b>				F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 30					
PLOT SCALE = 40,0000' / IN.		CHECKED -	REVISOR -									SCALE: 1"=20'		SHEET NO. 3 OF 5 SHEETS		STA. 143+00	TO STA. 148+00	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT			
PLOT DATE = 9/14/2010		DATE - 7/9/2010	REVISOR -																		



FILE NAME = D876015-sht-drain4.dgn	USER NAME = dwozniarski	DESIGNED - DRAWN - DMW	REVISOR - REVISOR -	DATE = 7/9/2010	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CITY STREET DRAINAGE AND UTILITIES	F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 31
PLOT SCALE = 40.0000' / IN.				CHECKED -	SCALE: 1"=20'	SHEET NO. 4 OF 5 SHEETS	STA. 10+00	TO STA. 12+52.76		CONTRACT NO. 76015	
PLOT DATE = 9/14/2010				DATE -	FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT				





FILE NAME = D876015-sht-dr-ain5.dgn	USER NAME = dwoznierski	DESIGNED - DRAWN - DMW	REVISOR -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ACCESS ROAD DRAINAGE AND UTILITIES	F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 32
PLOT SCALE = 48.0000' / IN.	PLOT DATE = 9/14/2010	CHECKED -	DATE - 7/9/2010	SCALE: 1"=20'	SHEET NO. 5 OF 5 SHEETS	STA. 20+00	TO STA. 24+19.21	CONTRACT NO. 76015		



**PART OF LOT 14 & LOT 15 OF U.S. SURVEY 381, & PART OF LOT 2 OF SECTION 1, T1S, R8W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS**

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2  
SEE COORDINATE TABLES ON SHEET 2

ECKERT LAND COMPANY,  
A DELAWARE CORP.  
(BK 3736 PG 631)

**EX. CURVE 6**  
PI STA. = 134+72.86  
Δ = 26° 59' 48" (LT)  
D = 04° 51' 10"  
R = 1,180.66'  
T = 283.42'  
L = 556.31'  
E = 33.54'  
P.C. STA. = 131+89.44  
P.T. STA. = 137+45.75

LOT 16 OF  
U.S. SURVEY 381  
(PB C PG 347)

**CL. ROW CURVE**  
Δ = 28° 49' 31" (LT)  
D = 04° 15' 03"  
R = 1,347.87'  
T = 346.39'  
L = 678.10'  
E = 43.80'

**CURVE 1**  
L = 57.21'  
R = 36.42'  
CB = N29°12'38"W  
C = 51.50'

**CURVE 2**  
L = 134.61'  
R = 93.58'  
CB = N33°00'05"W  
C = 123.31'

**CURVE 3**  
L = 27.46'  
R = 61.42'  
CB = N04°36'01"W  
C = 27.23'

**CURVE 4**  
L = 149.00'  
R = 103.58'  
CB = N33°00'05"W  
C = 136.48'

STATE OF ILLINOIS )  
COUNTY OF WASHINGTON ) SS

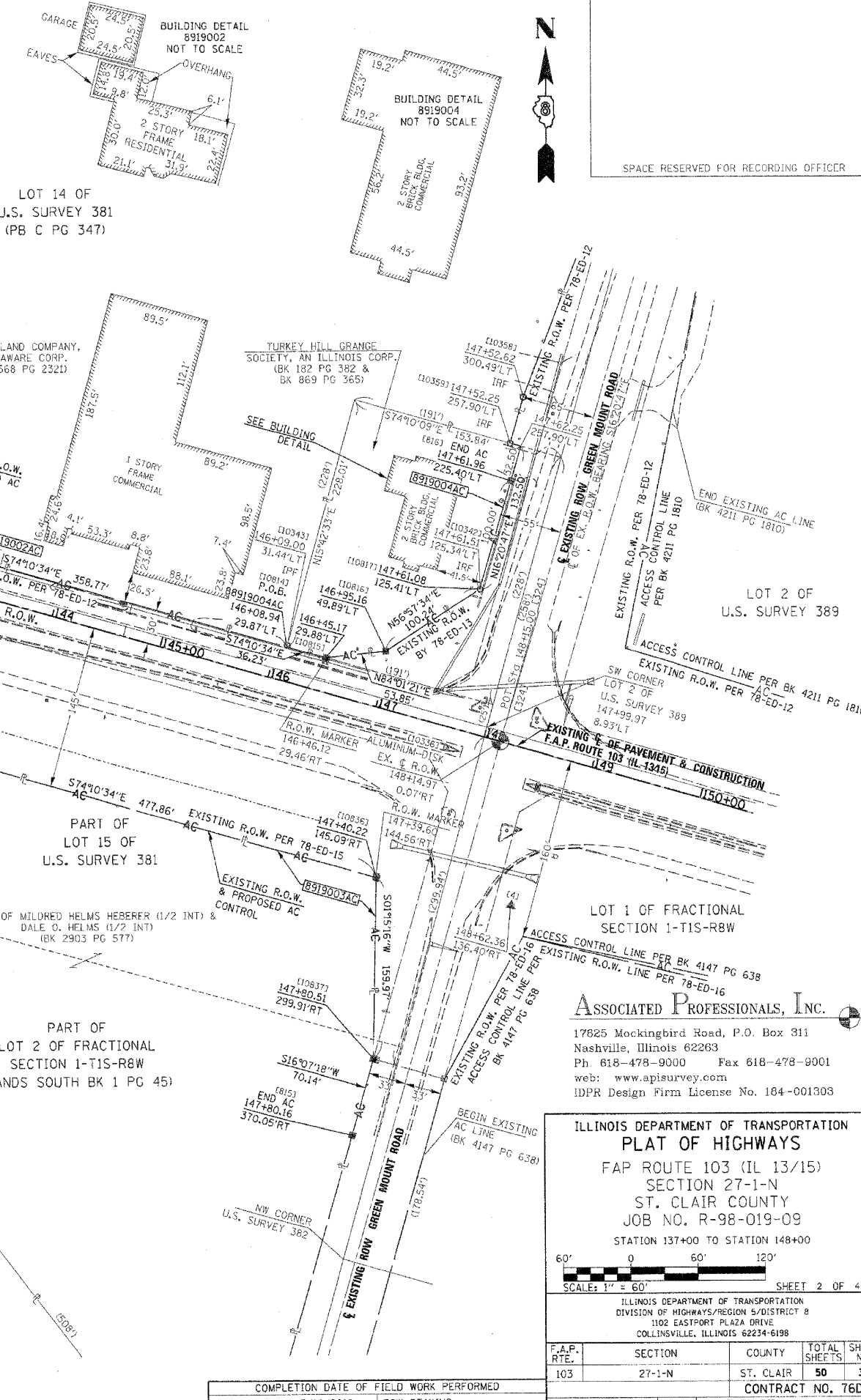
I, GARY S. MUELLER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, CERTIFY THAT I HAVE SURVEYED THE PLAT OF HIGHWAY SHOWN HEREON AND THAT THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY FOR THE PROPOSED PARCEL(S) TO BE ACQUIRED BY THE STATE OF ILLINOIS, DEPARTMENT OF TRANSPORTATION, SHOWN HEREON.

DATED 6/14/2010  
GARY S. MUELLER, PLS NO. 3332  
LICENSE EXPIRATION DATE: 11/30/2010



\* SEE TOTAL HOLDING AREA SOURCE TABLE ON SHEET 2

PARCEL NO.	OWNER	TOTAL HOLDING			EASEMENTS		PERMANENT TAX NUMBER	PROPERTY ACQUIRED BY
		ACRES	SQ. FT.	ACRES	SQ. FT.			
8919001	JAMES M. LOMBARDO TITLE REPORT SC-6062.0	2.4515	26,923	1.8335	19,915	13-01.0-100-006		
8919002	ECKERT LAND COMPANY, A DELAWARE CORPORATION TITLE REPORT SC-6060.0 & TITLE REPORT SC-6061.0	206.9322	11,157	206.6761	19,915	13-01.0-100-003; 13-01.0-100-004; & 08-36.0-300-004		
8919003	ESTATE MILDRED HELMS HERBERER, DECEASED, AS TO AN UNDIVIDED 1/2 INTEREST DALE O. HELMS, AS TO AN UNDIVIDED 1/2 INTEREST, AS TENANTS IN COMMON TITLE REPORT SC-6066.0	4.9526	N/A	4.9526	700	13-01.0-100-011 & 13-01.0-100-012		
8919004	THE TURKEY HILL GRANGE SOCIETY, AN ILLINOIS CORPORATION TITLE REPORT SC-6067.0	0.7006	N/A	0.7006	N/A	13-01.0-100-005		



SPACE RESERVED FOR RECORDING OFFICER

**ASSOCIATED PROFESSIONALS, INC.**  
17825 Mockingbird Road, P.O. Box 311  
Nashville, Illinois 62263  
Ph. 618-478-9000 Fax 618-478-9001  
web: www.apisurvey.com  
IDPR Design Firm License No. 184-001303

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
FAP ROUTE 103 (IL 13/15)  
SECTION 27-1-N  
ST. CLAIR COUNTY  
JOB NO. R-98-019-09  
STATION 137+00 TO STATION 148+00

SCALE: 1" = 60'

SHEET 2 OF 4

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-N	ST. CLAIR	50	34

CONTRACT NO. 76D15

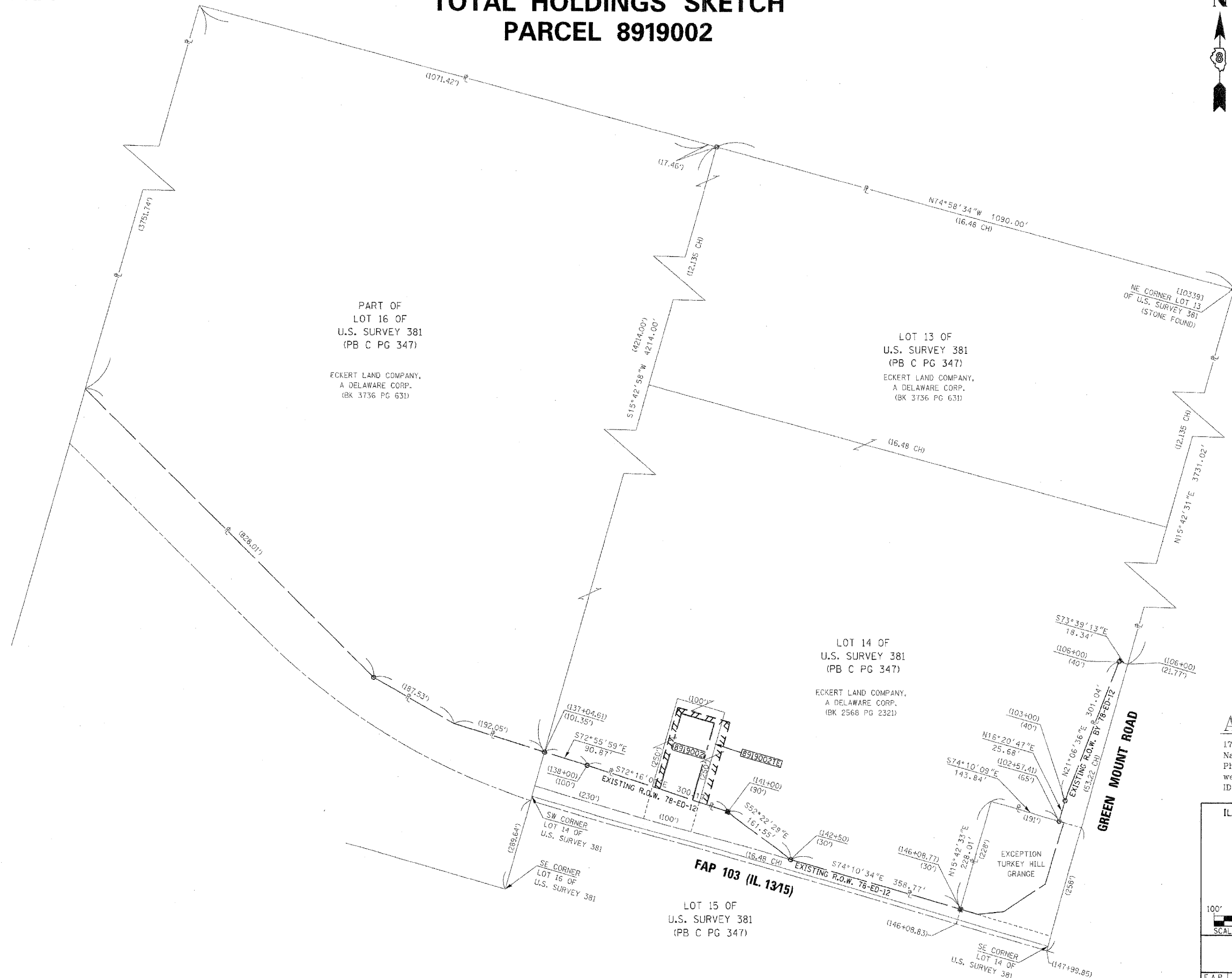
COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 3/10/2010 ROW STAKING: \_\_\_\_\_  
FED. ROAD DIST. NO. 8 (ILLINOIS) FED. AID PROJECT

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2  
SEE COORDINATE TABLES ON SHEET 2

# TOTAL HOLDINGS SKETCH PARCEL 8919002



SPACE RESERVED FOR RECORDING OFFICER



PART OF  
LOT 16 OF  
U.S. SURVEY 381  
(PB C PG 347)  
  
ECKERT LAND COMPANY,  
A DELAWARE CORP.  
(BK 3736 PG 631)

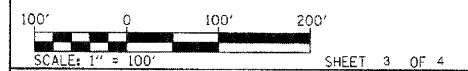
LOT 13 OF  
U.S. SURVEY 381  
(PB C PG 347)  
  
ECKERT LAND COMPANY,  
A DELAWARE CORP.  
(BK 3736 PG 631)

LOT 14 OF  
U.S. SURVEY 381  
(PB C PG 347)  
  
ECKERT LAND COMPANY,  
A DELAWARE CORP.  
(BK 2568 PG 2321)

LOT 15 OF  
U.S. SURVEY 381  
(PB C PG 347)

**ASSOCIATED PROFESSIONALS, INC.**  
17625 Mockingbird Road, P.O. Box 311  
Nashville, Illinois 62263  
Ph. 618-478-9000 Fax 618-478-9001  
web: www.apisurvey.com  
IDPR Design Firm License No. 184-001303

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
FAP ROUTE 103 (IL 13/15)  
SECTION 27-1-N  
ST. CLAIR COUNTY  
JOB NO. R-98-019-09  
TOTAL HOLDING SKETCH



ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
1102 EASTPORT PLAZA DRIVE  
COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-N	ST. CLAIR	50	35

COMPLETION DATE OF FIELD WORK PERFORMED	
LAND SURVEY: 3/10/10	ROW STAKING:

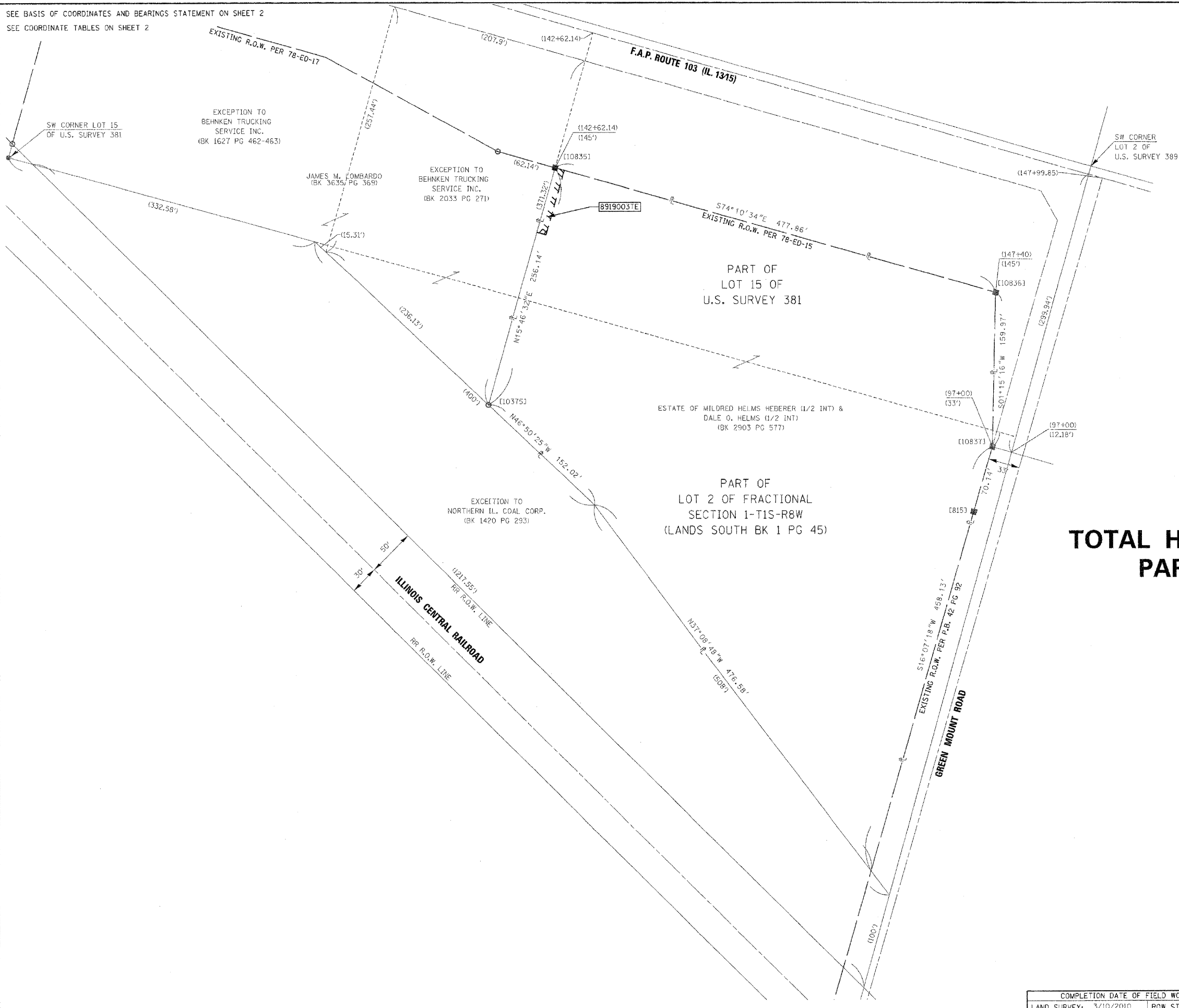
FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT

PART OF LOT 15 OF U.S. SURVEY 381, & PART OF LOT 2 OF SECTION 1, T1S, R8W, OF THE 3RD PM, ST. CLAIR COUNTY, ILLINOIS

SEE BASIS OF COORDINATES AND BEARINGS STATEMENT ON SHEET 2  
SEE COORDINATE TABLES ON SHEET 2



SPACE RESERVED FOR RECORDING OFFICER



**TOTAL HOLDINGS SKETCH  
PARCEL 8919003**

**ASSOCIATED PROFESSIONALS, INC.**  
17825 Mockingbird Road, P.O. Box 311  
Nashville, Illinois 62263  
Ph. 618-478-9000 Fax 618-478-9001  
web: www.apisurvey.com  
IDPR Design Firm License No. 184-001803

ILLINOIS DEPARTMENT OF TRANSPORTATION  
**PLAT OF HIGHWAYS**  
FAP ROUTE 103 (IL 13/15)  
SECTION 27-1-N  
ST. CLAIR COUNTY  
JOB NO. R-98-019-09  
TOTAL HOLDING SKETCH

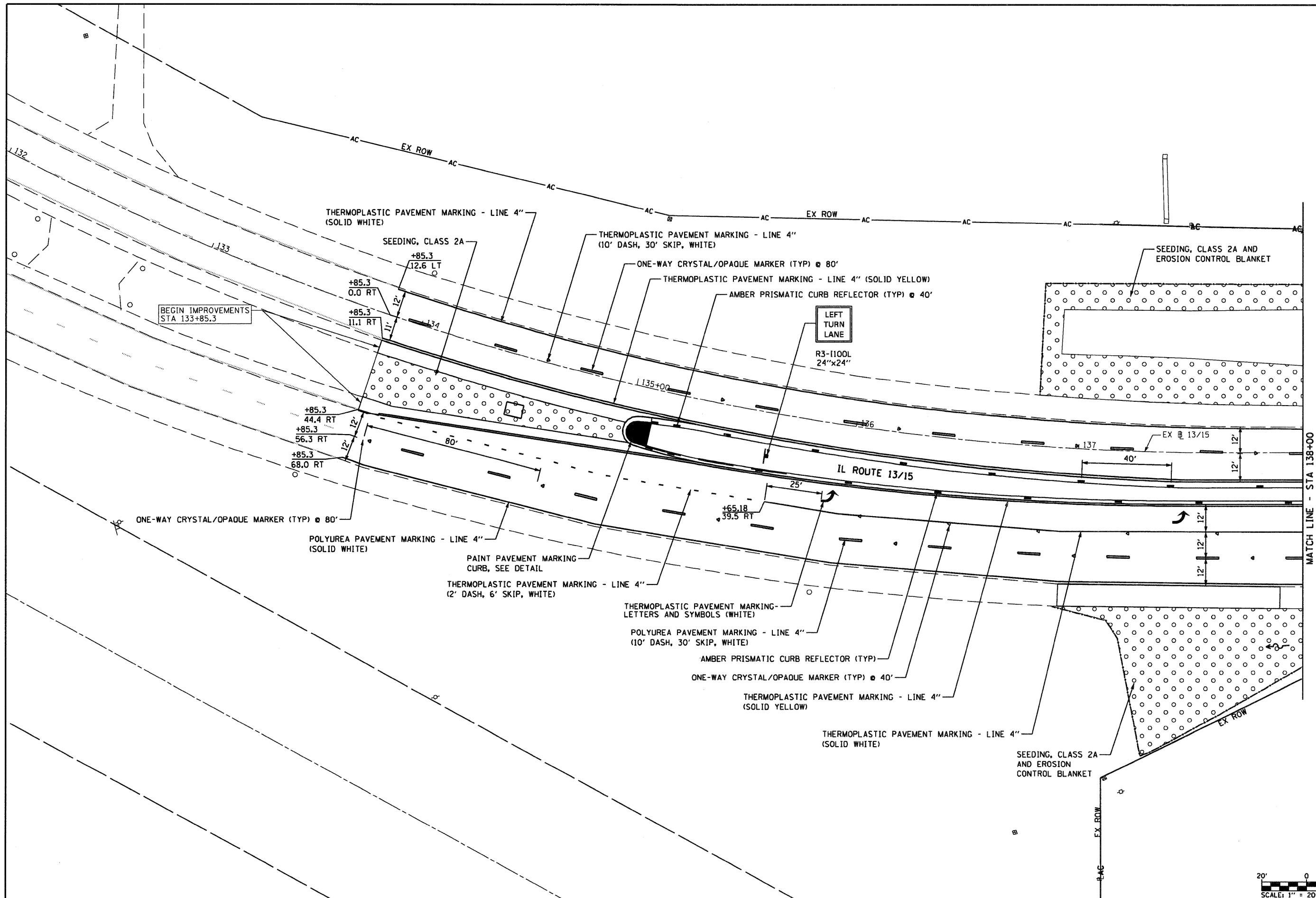
SCALE: 1" = 60' SHEET 4 OF 4

ILLINOIS DEPARTMENT OF TRANSPORTATION  
DIVISION OF HIGHWAYS/REGION 5/DISTRICT 8  
1102 EASTPORT PLAZA DRIVE  
COLLINGSVILLE, ILLINOIS 62234-6198

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-N	ST. CLAIR	50	36

COMPLETION DATE OF FIELD WORK PERFORMED  
LAND SURVEY: 3/10/2010 ROW STAKING:

FED. ROAD DIST. NO. 8 ILLINOIS FED. AID PROJECT  
CONTRACT NO. 76D15



MATCH LINE - STA 138+00



FILE NAME =	USER NAME = dwoznioraki
DB76D15-shr-pmk1.dgn	
PLOT SCALE = 40.00' / IN.	
PLOT DATE = 9/14/2010	

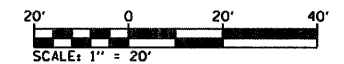
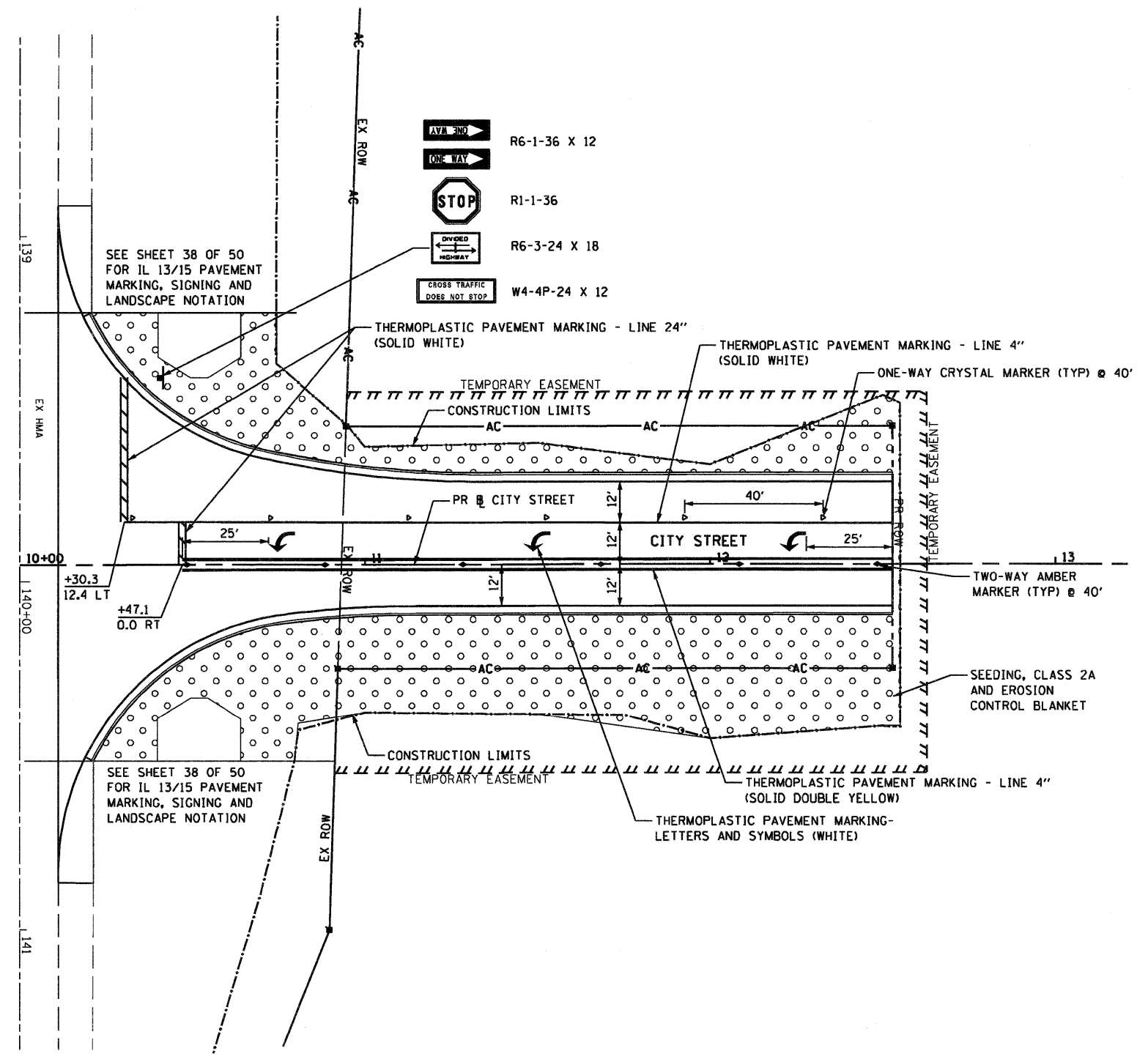
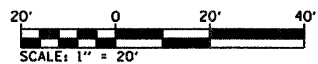
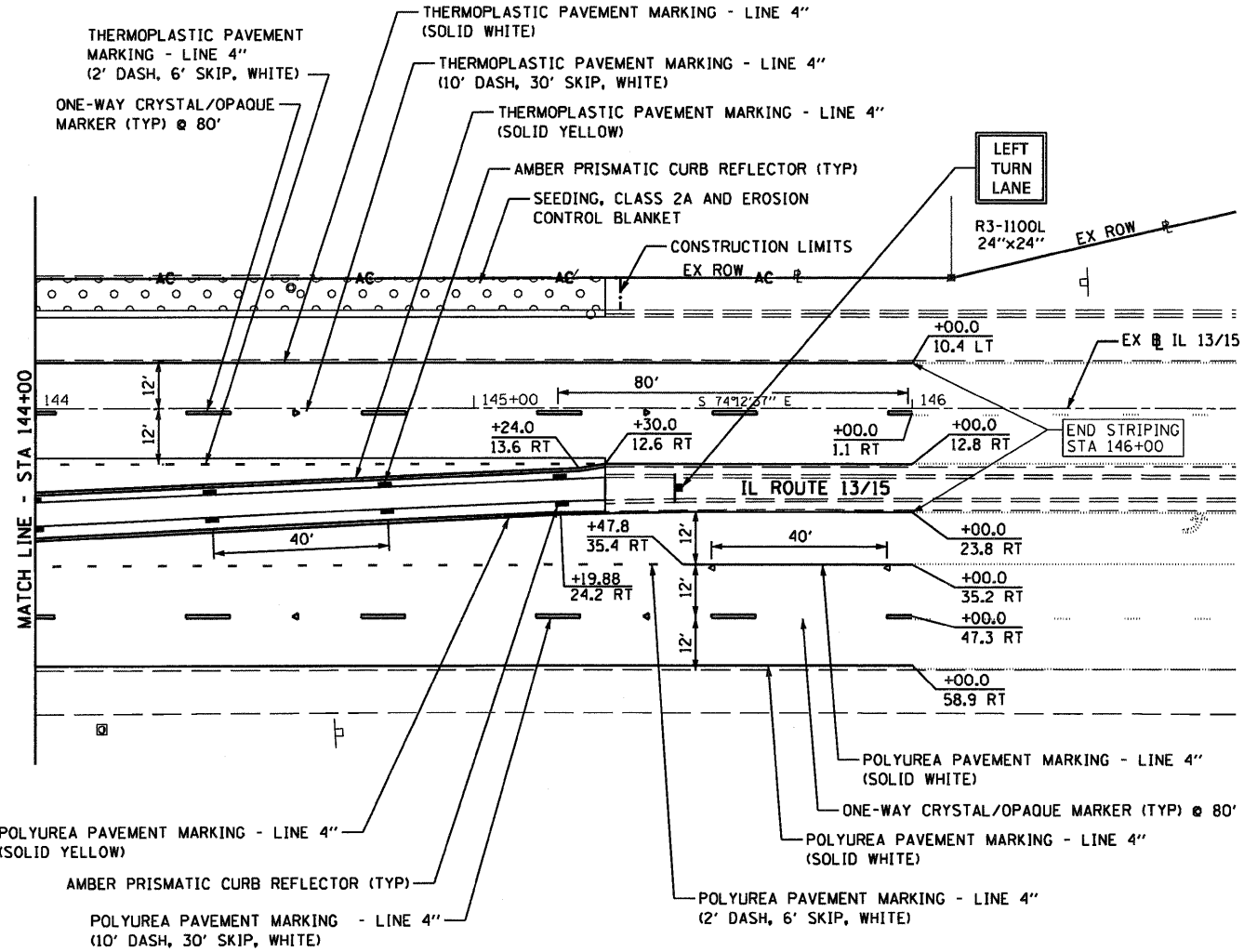
DESIGNED -	REVISED -
DRAWN - DMW	REVISED -
CHECKED -	REVISED -
DATE - 7/9/2010	REVISED -

**STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION**

<b>PAVEMENT MARKING, SIGNING AND LANDSCAPING PLAN</b>			
SCALE: 1" = 20'	SHEET NO. 1 OF 3 SHEETS	STA. 133+00 TO STA. 138+00	

F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 37
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT			CONTRACT NO. 76D15	





FILE NAME = 0876015-sh1-pmk3.dgn

USER NAME = dwozniarski  
 PLOT SCALE = 48.00' / IN.  
 PLOT DATE = 9/14/2010

DESIGNED -  
 DRAWN - DMW  
 CHECKED -  
 DATE - 7/9/2010

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**STATE OF ILLINOIS  
 DEPARTMENT OF TRANSPORTATION**

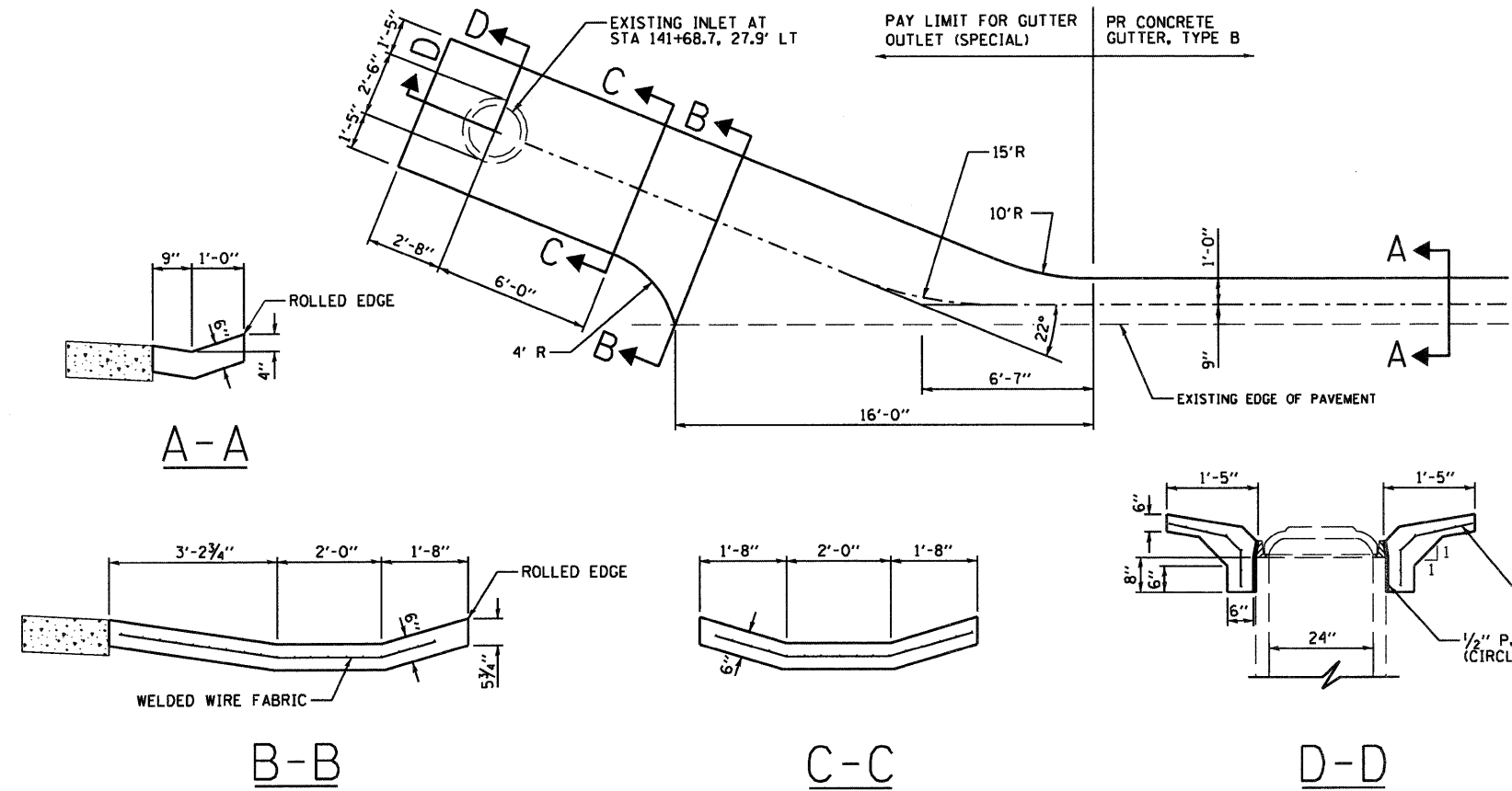
**PAVEMENT MARKING, SIGNING  
 AND LANDSCAPING PLAN**

SCALE: 1" = 20' SHEET NO. 3 OF 3 SHEETS STA. 144+00 TO STA. 146+00

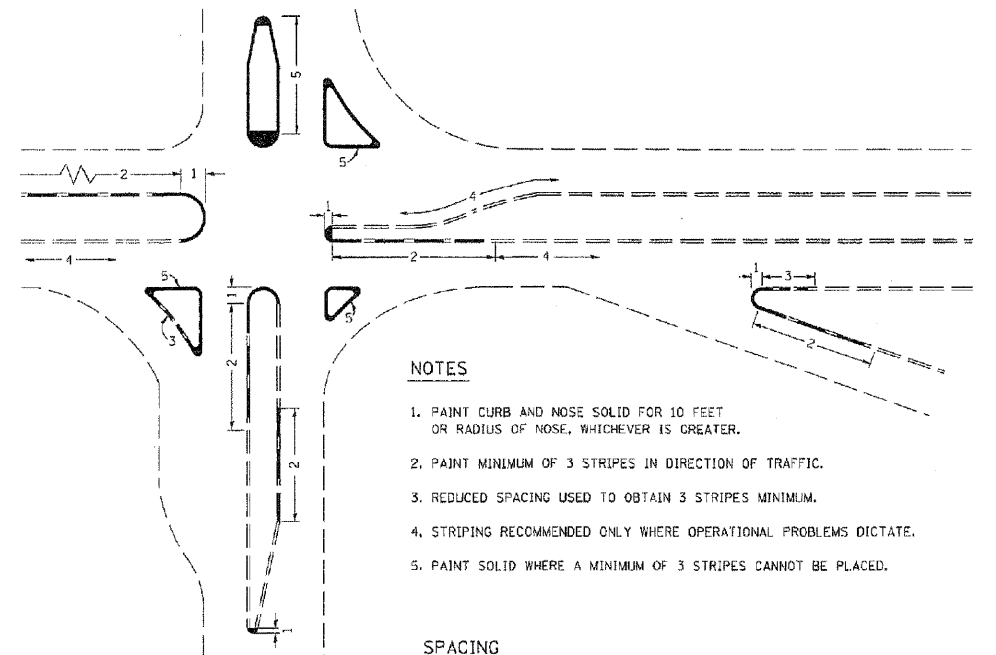
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
103	27-1-N	ST. CLAIR	50	39

CONTRACT NO. 76015  
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT

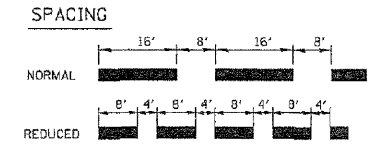




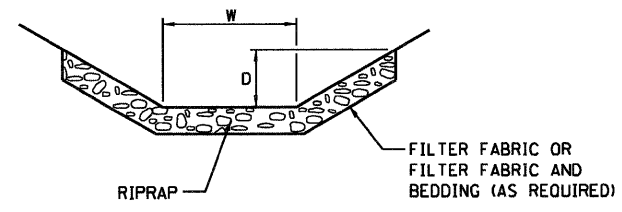
GUTTER OUTLET (SPECIAL) DETAIL  
NTS



- NOTES
1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
  2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC.
  3. REDUCED SPACING USED TO OBTAIN 3 STRIPES MINIMUM.
  4. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL PROBLEMS DICTATE.
  5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.



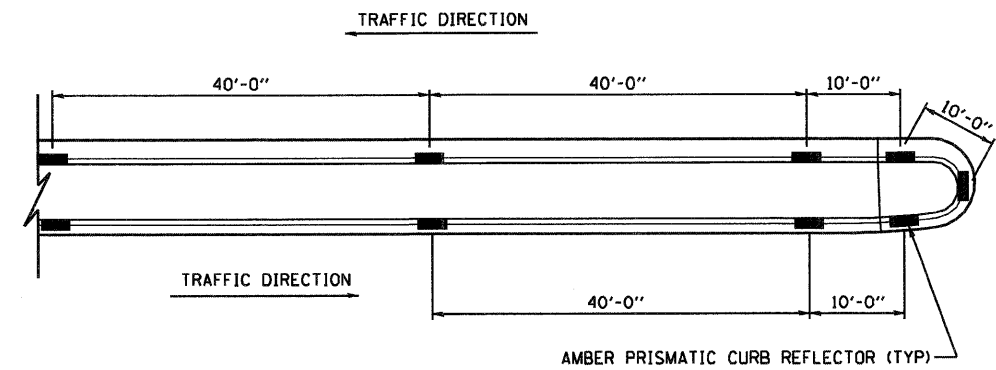
CURB MARKING DETAIL  
NTS



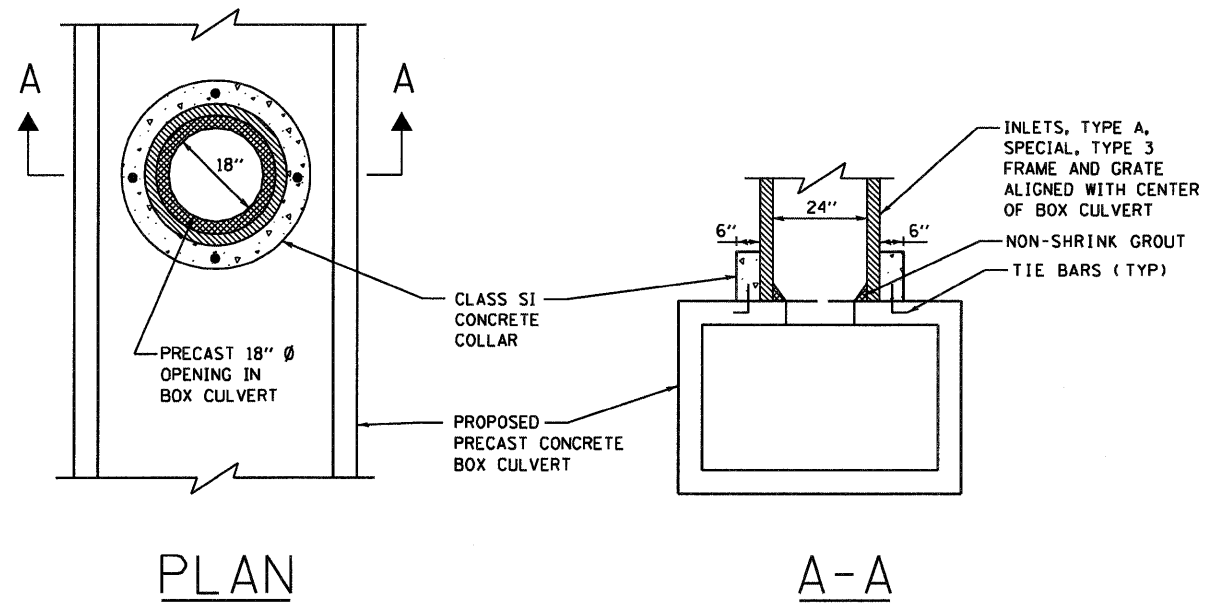
STATION TO STATION	LENGTH (FT)	W* (FT)	D (FT)	FORESLOPE	BACKSLOPE	RIP RAP A3 (SQ YD)	FILTER FABRIC (SQ YD)
136+90 LT TO 139+41 LT	251.0	2 to 6	3	1:3	1:3	672.3	672.3
140+33 LT TO 140+84 LT	51.0	2 to 6	3	1:3	1:3	127.9	127.9
					TOTAL	800.2	800.2

\* SEE CROSS SECTIONS

STONE RIPRAP DITCH LINING DETAIL  
NTS



PRISMATIC CURB REFLECTOR DETAIL  
NTS

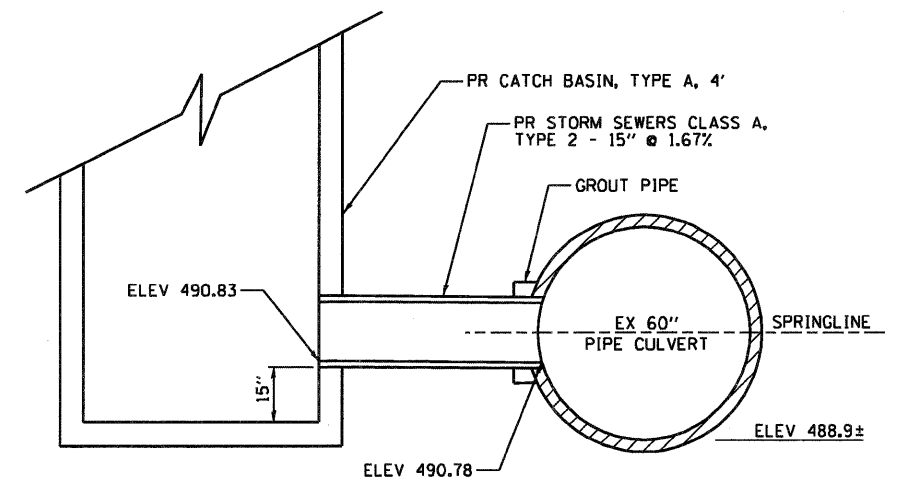


PLAN

A-A

1. A PRECAST OPENING IN BOX CULVERT IS REQUIRED. FIELD CUTTING OF BOX CULVERT IS NOT ALLOWED. CONTRACTOR SHALL FURNISH SHOP DRAWINGS FROM THE PRECAST CONCRETE BOX CULVERT MANUFACTURER DETAILING ALL REINFORCING AND TIE BARS AT OPENING.
2. INLETS, TYPE A, SPECIAL SHALL MEET ALL REQUIREMENTS OF STANDARD 602301 WITH THE EXCEPTION THAT THERE IS NO BOTTOM SLAB.

BOX CULVERT CONNECTION DETAIL  
NTS



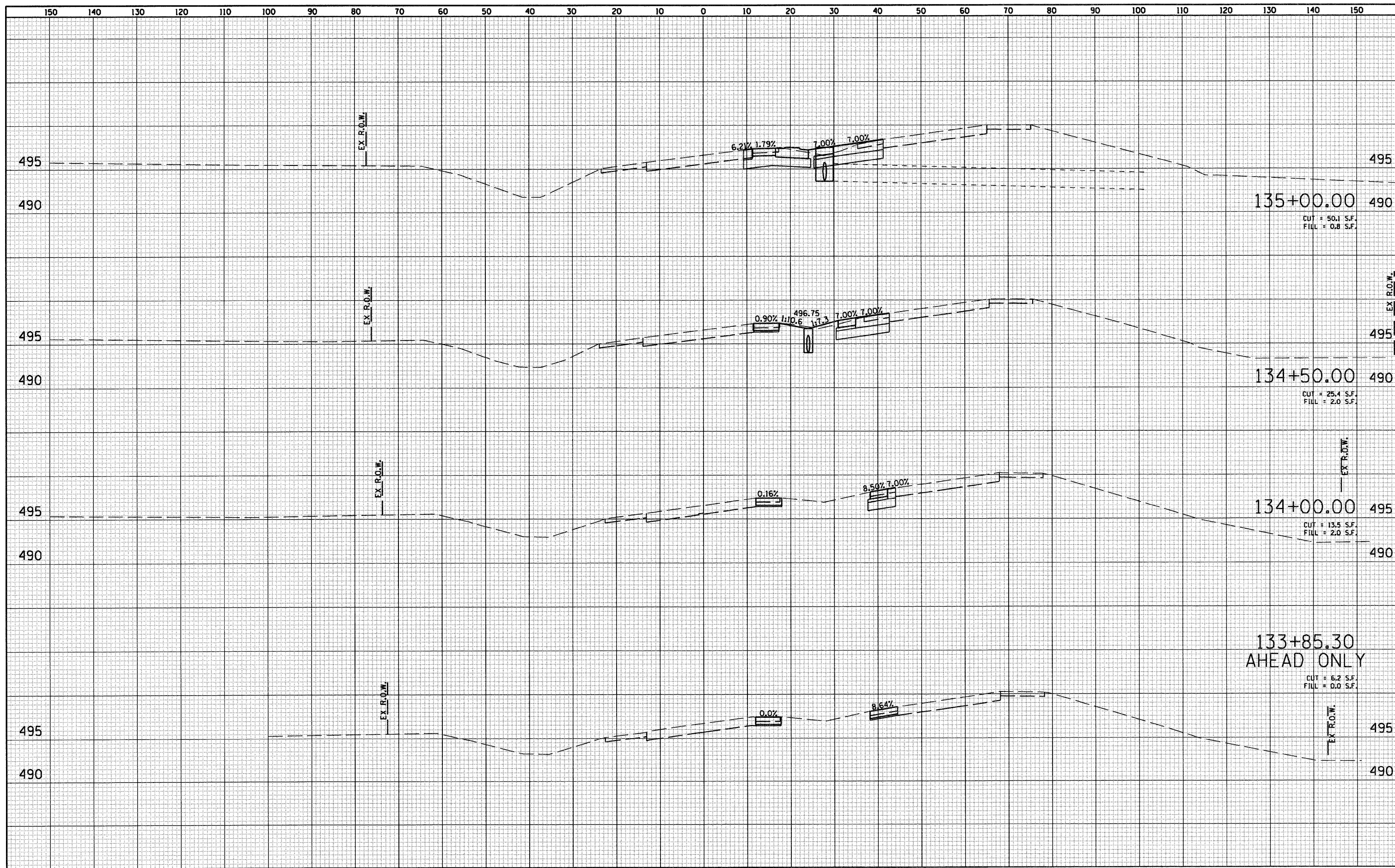
THE CONNECTION TO THE EXISTING CULVERT WILL BE INCLUDED IN THE UNIT PRICE FOR THE PROPOSED PIPE INSTALLED. THE UNIT PRICE SHALL INCLUDE CORE DRILLING THE EXISTING CULVERT WALL, GROUTING THE PROPOSED PIPE IN PLACE AND ALL OTHER RELATED WORK AS DETAILED HEREIN.

STA 136+92.7, 22.76' RT  
EXISTING CULVERT CONNECTION DETAIL  
NTS

FILE NAME = 0876015-sht-details2.dgn	USER NAME = dwoznarski	DESIGNED -	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>MISCELLANEOUS DETAILS</b>			F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 40.00' / IN.	DRAWN - DMW	REVISED -					103	27-1-N	ST. CLAIR	50	41
PLOT DATE = 9/15/2010	CHECKED -	REVISED -	SCALE: NA		SHEET NO. 2 OF 2 SHEETS	STA.	TO STA.	CONTRACT NO. 76015				
	DATE - 7/9/2010	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT									

DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_

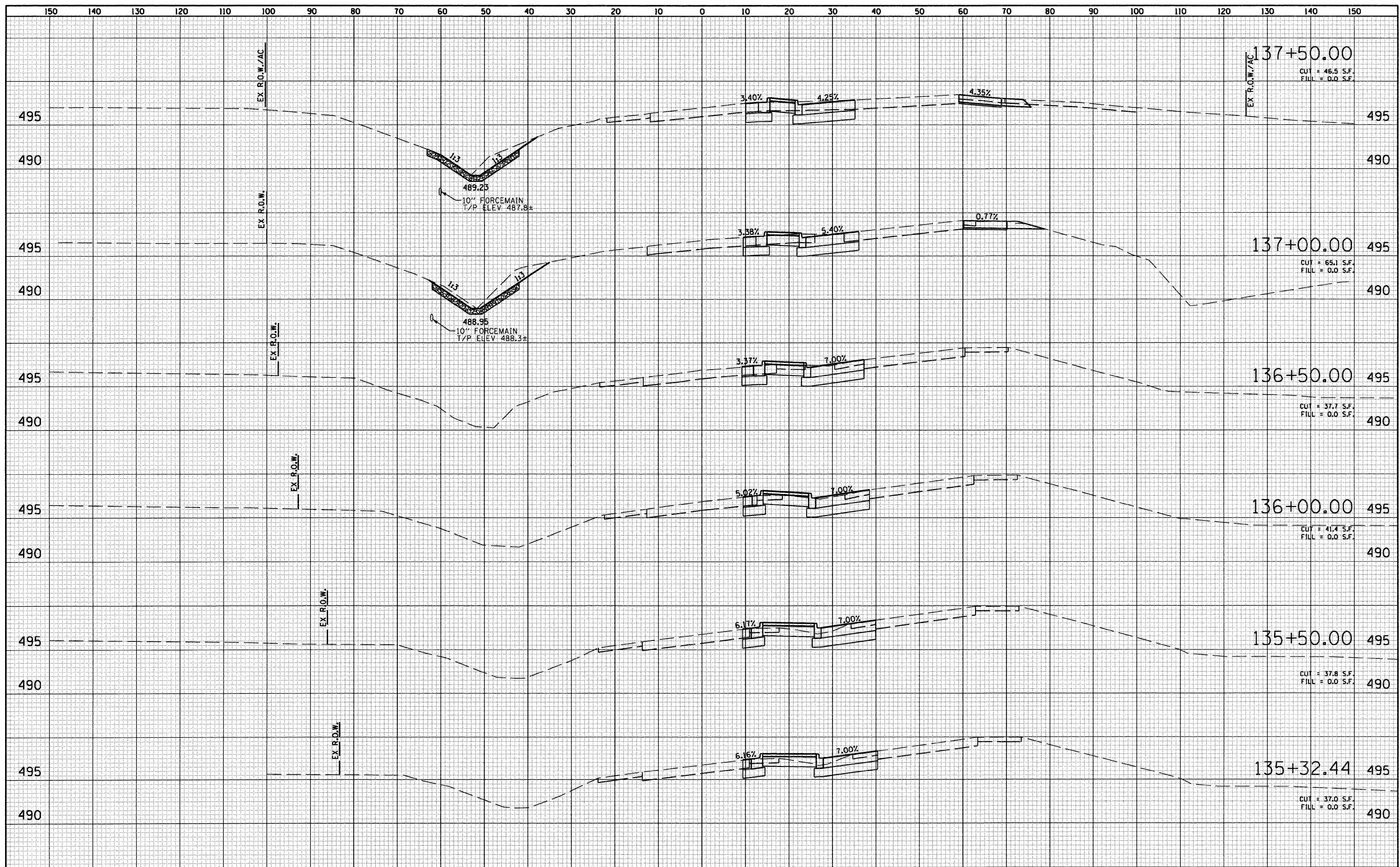
DATE \_\_\_\_\_  
 BY \_\_\_\_\_  
 SURVEYED \_\_\_\_\_  
 PLOTTED \_\_\_\_\_  
 TEMPLATE \_\_\_\_\_  
 NOTE BOOK \_\_\_\_\_  
 AREAS CHECKED \_\_\_\_\_  
 NO. \_\_\_\_\_



FILE NAME = 0876015-sht-xssht1.dgn	USER NAME = dwoznarski	DESIGNED - DJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 1315 CROSS SECTIONS</b>		F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 42	
PLOT SCALE = 20,0000' / 1"	CHECKED -	REVISIED -	REVISIED -		SCALE: 1"=10' HORIZ	SCALE: 1"=5' VERT	SHEET NO. 1 OF 5 SHEETS		STA. 133+50.00 TO STA. 135+00.00	CONTRACT NO. 76015		
PLOT DATE = 9/14/2010	DATE -	REVISIED -	REVISIED -		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT							

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

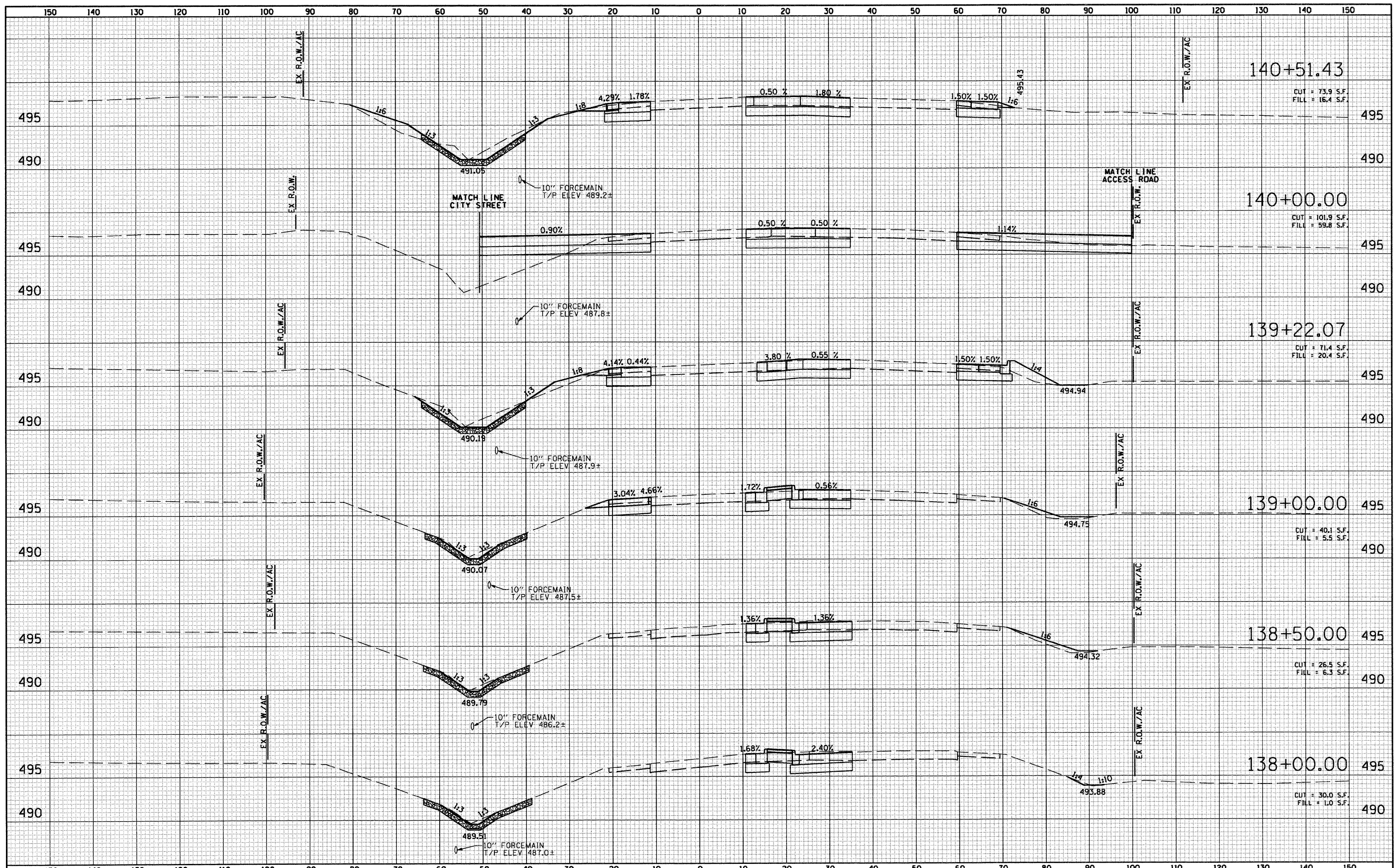
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BY	
ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME = 0876015-sh1-xssht2.dgn	USER NAME = dwoznarski	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b> SCALE: 1"=10' HORIZ SCALE: 1"=5' VERT SHEET NO. 2 OF 5 SHEETS STA. 135+32.44 TO STA. 137+50.00	<b>IL 1315</b> <b>CROSS SECTIONS</b> F.A.P. RTE. 103 SECTION 27-1-N COUNTY ST. CLAIR TOTAL SHEETS 50 SHEET NO. 43 CONTRACT NO. 76D15 FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT
	PLOT SCALE = 20.0000' / IN.	DRAWN - DMW	REVISED -		
	PLOT DATE = 9/14/2010	CHECKED -	REVISED -		
		DATE -	REVISED -		

DATE	
BY	
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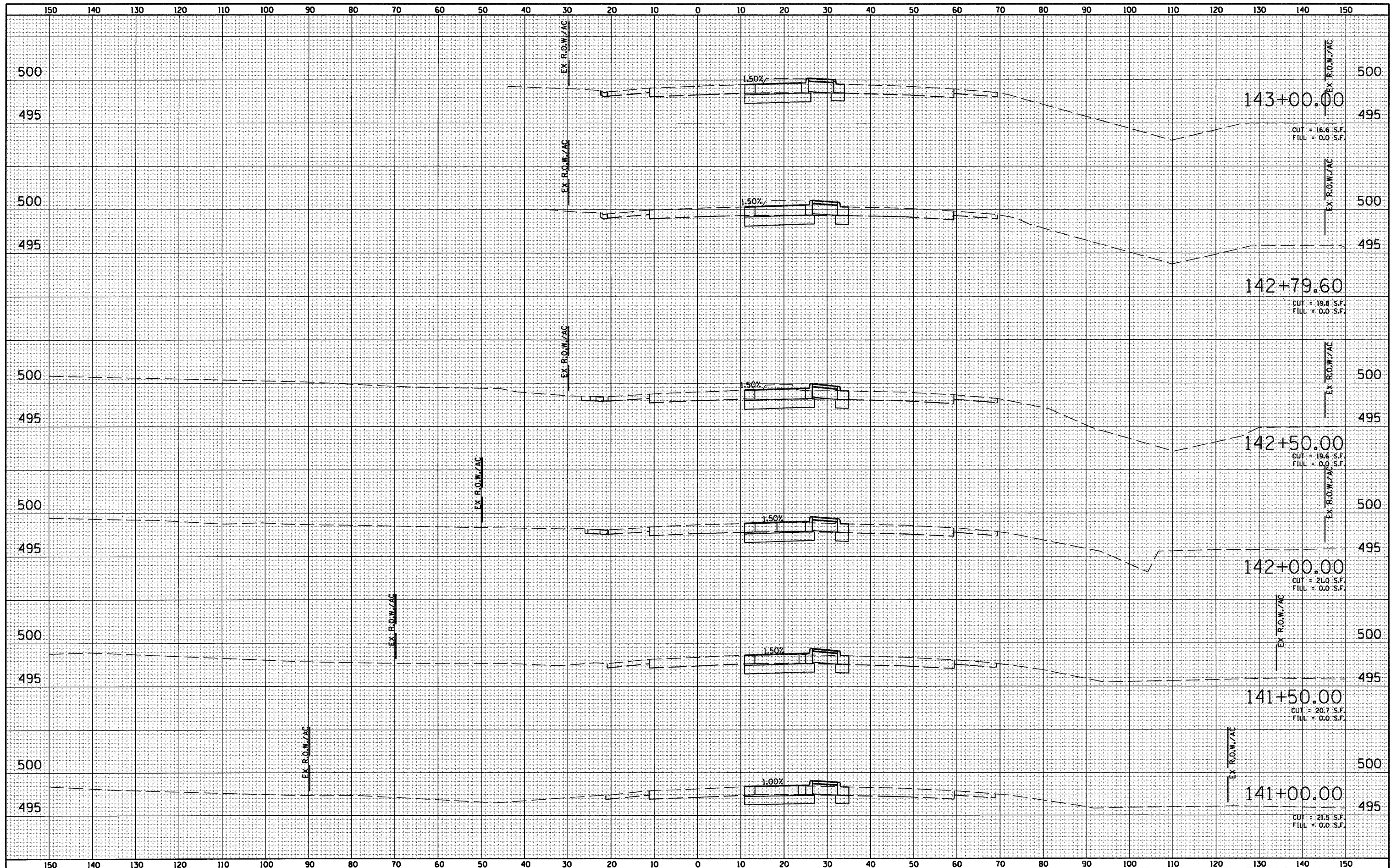
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FILE NAME = DB76015-sh1-xssht3.dgn	USER NAME = dwozharaki	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 1315 CROSS SECTIONS</b>	F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 44		
PLLOT SCALE = 20,0000' / IN.	CHECKED -	DRAWN - DMW	REVISED -			SCALE: 1"=10' HORIZ	SCALE: 1"=5' VERT	SHEET NO. 3 OF 5 SHEETS	STA. 138+00.00 TO STA. 140+51.43	CONTRACT NO. 76015		
PLLOT DATE = 9/14/2010	DATE -	DATE -	REVISED -			FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT						

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

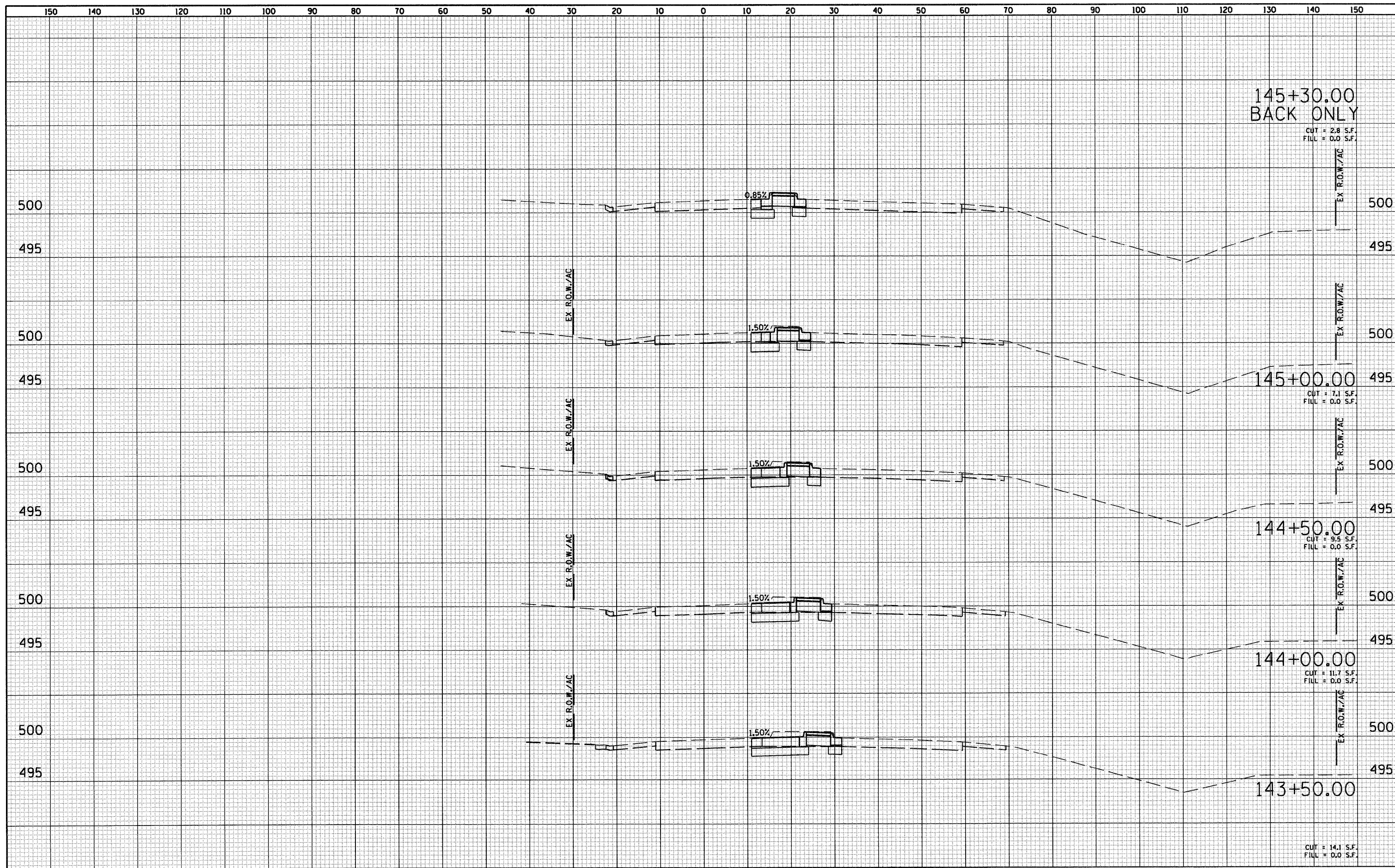
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS
	CHECKED



FILE NAME = 0876015-sht-xssht4.dgn	USER NAME = dwozniarski	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 1315 CROSS SECTIONS</b>	F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 45
PLOT SCALE = 20.0000' / IN.	CHECKED -	REVISOR -	SCALE: 1"=10' HORIZ			SHEET NO. 4 OF 5 SHEETS	CONTRACT NO. 76015			
PLOT DATE = 9/14/2010	DATE -	REVISOR -	SCALE: 1"=5' VERT			STA. 141+00.00 TO STA. 143+00.00	FED. ROAD DIST. NO.	ILLINOIS FED. AID PROJECT		

DATE	
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SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
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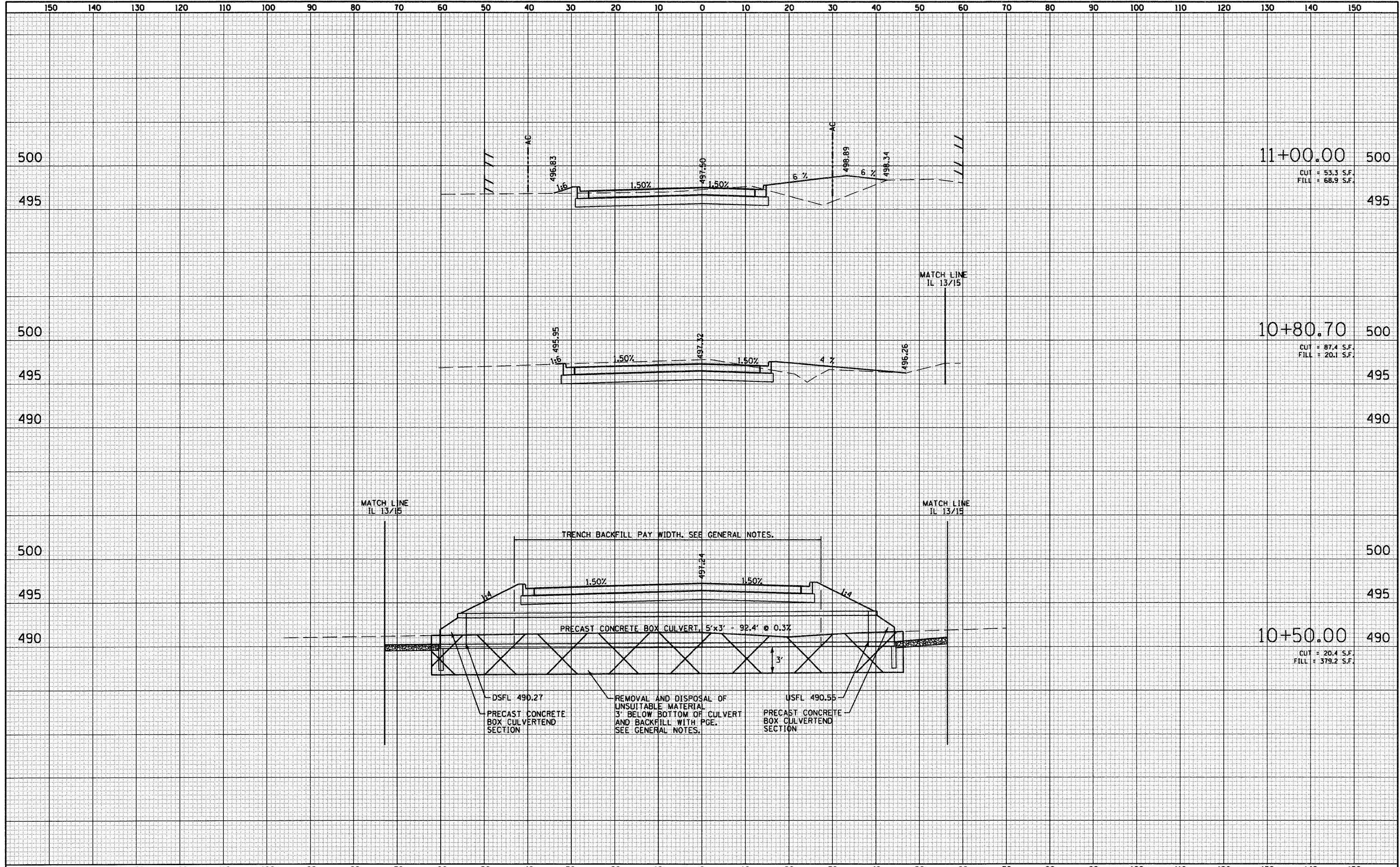
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FILE NAME = 0876015-sht-xssht5.dgn	USER NAME = dwoznierski	DESIGNED - DJJ	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>IL 1315 CROSS SECTIONS</b>	F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 46	
PLOT SCALE = 20,0000' / IN.	CHECKED -	REVISED -	SCALE: 1"=10' HORIZ			SCALE: 1"=5' VERT	SHEET NO. 5 OF 5 SHEETS	STA. 143+50.00 TO STA. 145+50.00	CONTRACT NO. 76015		
PLOT DATE = 9/14/2010	DATE -	REVISED -	FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT								

DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	

DATE	
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PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
AREAS CHECKED	



11+00.00 500  
 CUT = 53.3 S.F.  
 FILL = 68.9 S.F.

10+80.70 500  
 CUT = 87.4 S.F.  
 FILL = 20.1 S.F.

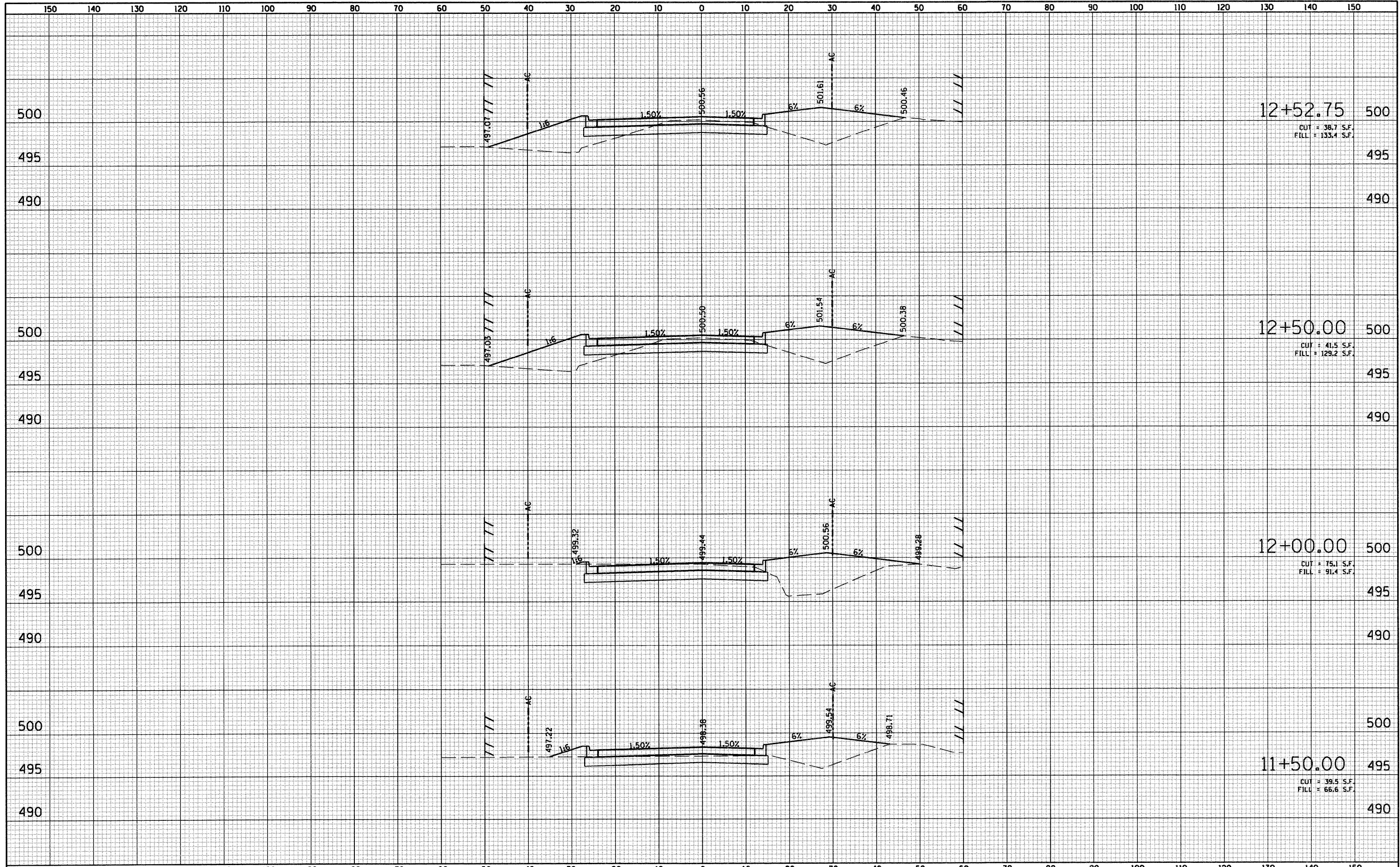
10+50.00 490  
 CUT = 20.4 S.F.  
 FILL = 379.2 S.F.

FILE NAME = 0876015-sh1-xssht6.dgn	USER NAME = dwozniarski	DESIGNED - DJO	REVISOR -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	<b>CITY STREET</b> <b>CROSS SECTIONS</b>		F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 47
	PLOT SCALE = 20,000' / IN.	DRAWN - DMW	REVISOR -		SCALE: 1"=10' HORIZ	SHEET NO. 1 OF 2 SHEETS	STA. 10+11.10 TO STA. 11+00.00	CONTRACT NO. 76015		FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT	
	PLOT DATE = 9/14/2010	CHECKED -	REVISOR -		SCALE: 1"=5' VERT						
		DATE -	REVISOR -								



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

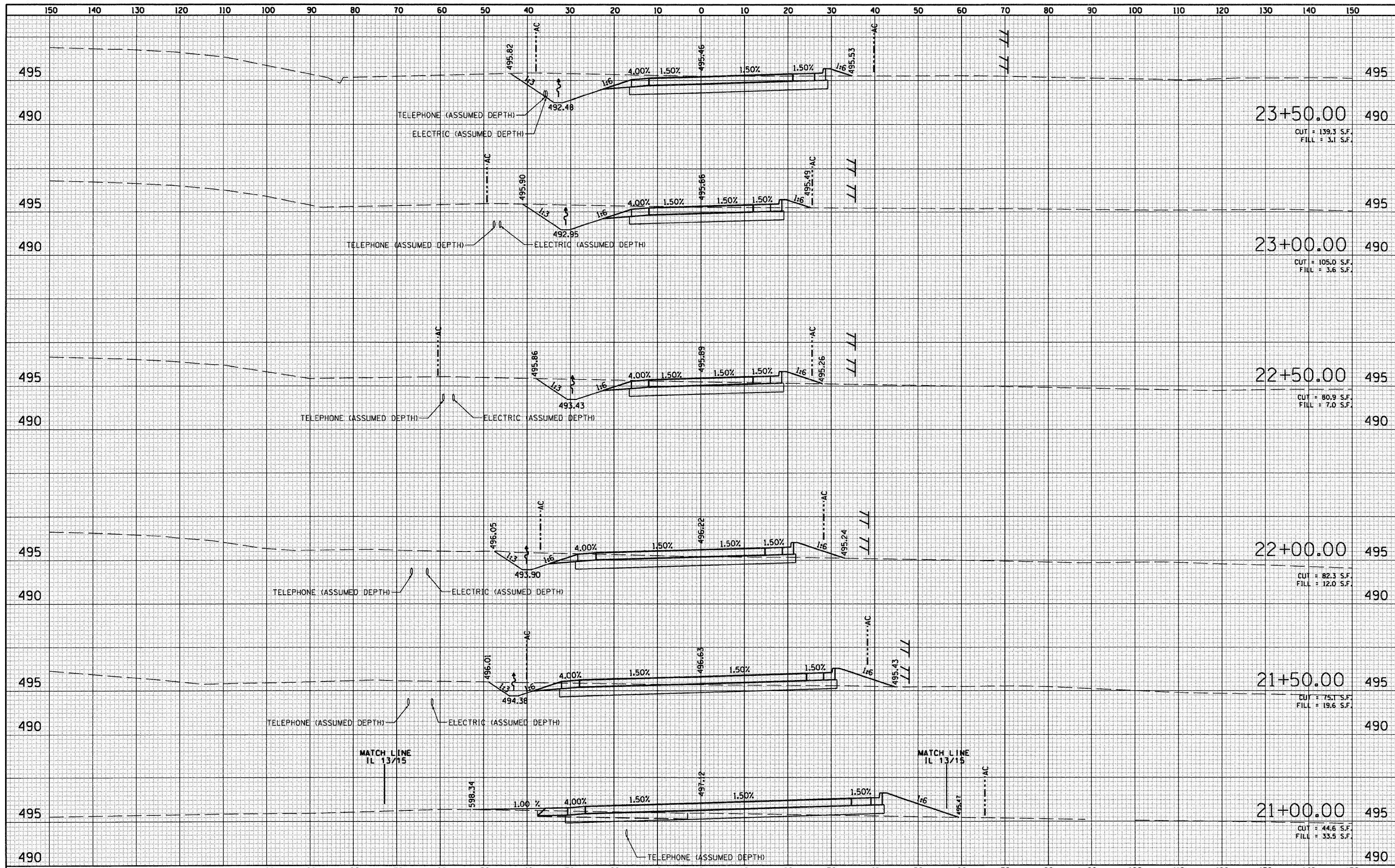
DATE	
BY	
ORIGINAL SURVEY	
NOTE BOOK NO.	
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PLOTTED TEMPLATE	
AREAS CHECKED	



FILE NAME =	USER NAME = dwoznarski	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	SCALE: 1"=10' HORIZ SCALE: 1"=5' VERT	<b>CITY STREET CROSS SECTIONS</b>		F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
D876D15-ah-ssht7.dgn	PLLOT SCALE = 20.0000' / IN.	DRAWN - DMW	REVISED -			103	27-1-N	ST. CLAIR	50	48		
PLLOT DATE = 9/14/2018	DATE -	CHECKED -	REVISED -			CONTRACT NO. 76D15						
		DATE -	REVISED -			SHEET NO. 2 OF 2 SHEETS STA. 11+50.00 TO STA. 12+52.75						

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	

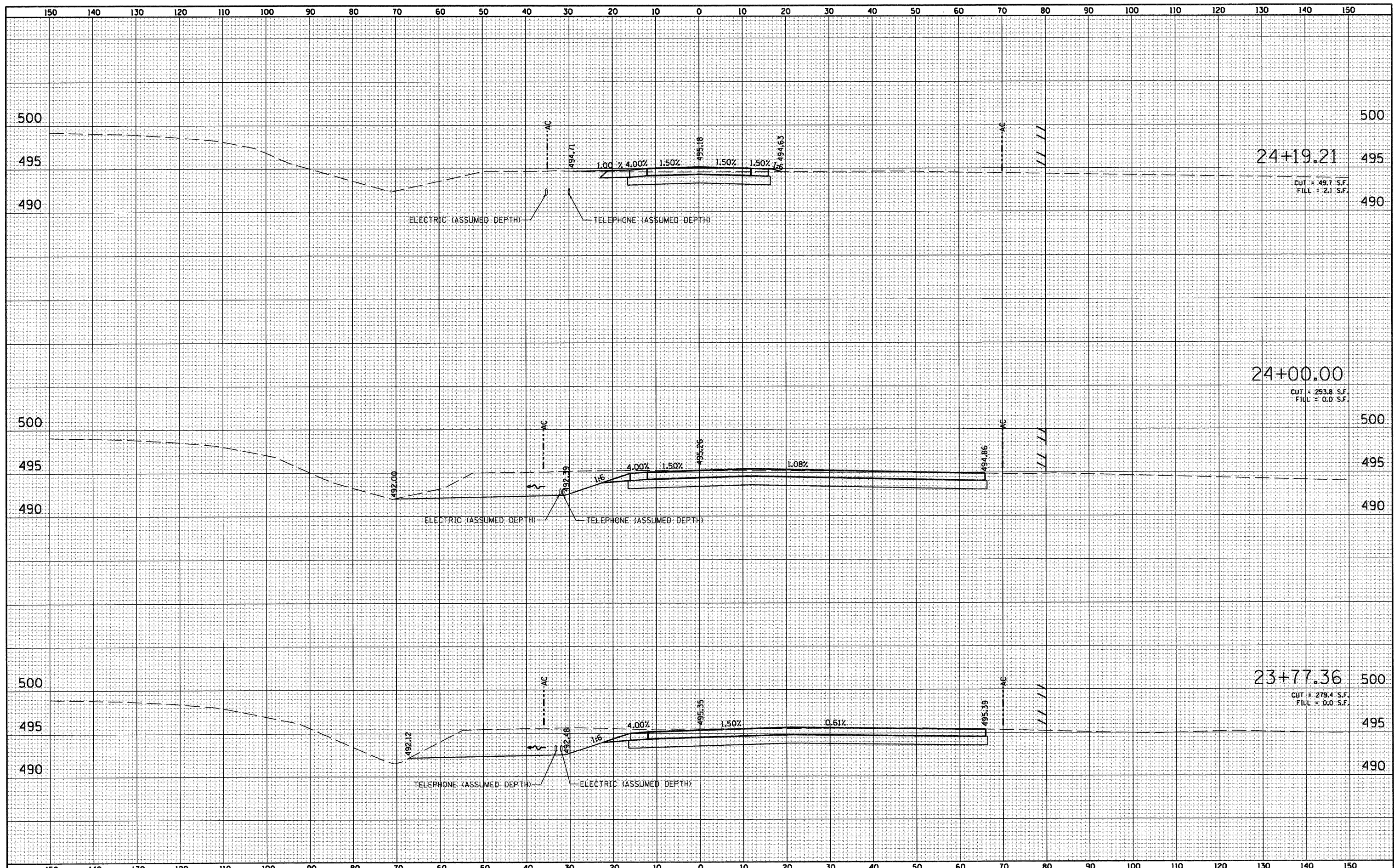
DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	
NO.	



FILE NAME = DB76015-sh1-xssht8.dgn	USER NAME = dwozniarski	DESIGNED - DJO	REVISOR -	<b>STATE OF ILLINOIS</b> <b>DEPARTMENT OF TRANSPORTATION</b>	ACCESS ROAD CROSS SECTIONS		F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 49
	PLOT SCALE = 20.0000' / IN.	DRAWN - DMW	REVISOR -		SCALE: 1"=10' HORIZ	SHEET NO. 1 OF 2 SHEETS		CONTRACT NO. 76015		FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT	
	PLOT DATE = 9/14/2010	CHECKED -	REVISOR -		SCALE: 1"=5' VERT	STA. 21+00.00 TO STA. 23+50.00					
		DATE -	REVISOR -								

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

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



FILE NAME = 0876015-sht-xssht9.dgn	USER NAME = dwozniarski	DESIGNED - DJO	REVISED -	<b>STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION</b>	<b>ACCESS ROAD CROSS SECTIONS</b>			F.A.P. RTE. 103	SECTION 27-1-N	COUNTY ST. CLAIR	TOTAL SHEETS 50	SHEET NO. 50
	PLOT SCALE = 20,0000' / IN.	DRAWN - DMW	REVISED -		SCALE: 1"=10' HORIZ	SHEET NO. 2 OF 2 SHEETS	STA. 23+77.36 TO STA. 24+19.21	FED. ROAD DIST. NO. [ILLINOIS] FED. AID PROJECT				
	PLOT DATE = 9/14/2010	CHECKED -	REVISED -		SCALE: 1"=5' VERT							
		DATE -	REVISED -									