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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FINAL PLANS

PLANS FOR PROPOSED FEDERAL AID PROJECT

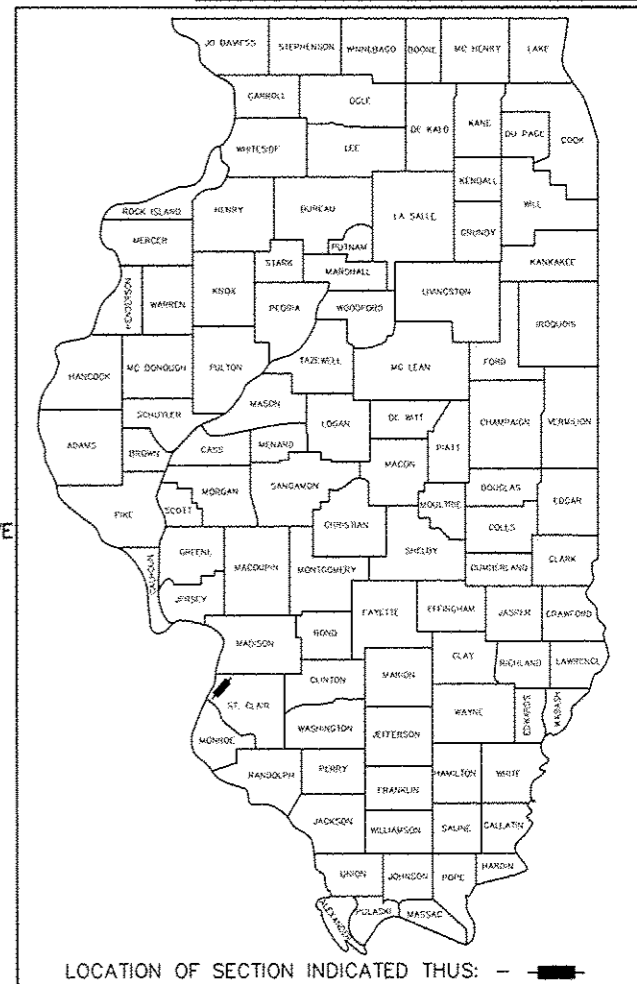
VILLAGE OF SAUGET, ILLINOIS
QUEENY AVENUE EXTENSION AND
MONSANTO AVE TO PITZMAN AVE IMPROVEMENTS

PROJECT NO. HPP-3581 (002)

SECTION 05-00012-00-PV

JOB NO. C-98-330-06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	05-00012-00-PV	ST. CLAIR	65	1
FEDERAL AID PROJECT		ILLINOIS	CONTRACT NO. 97485	

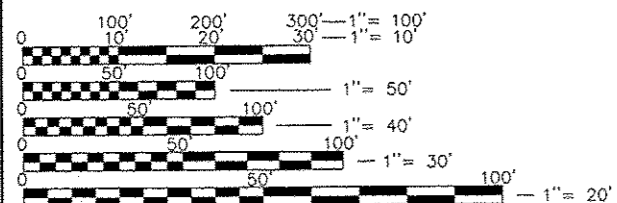
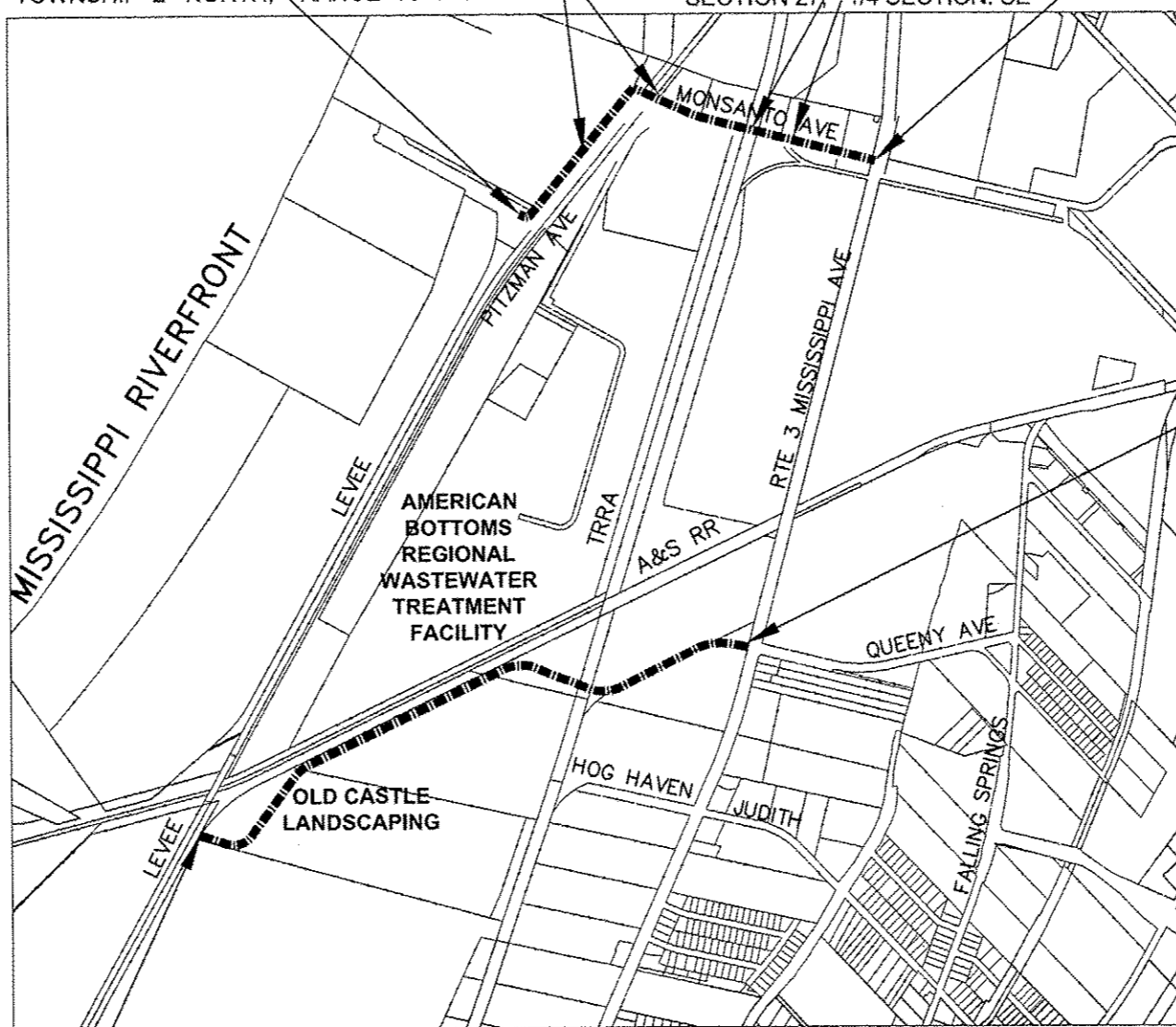


LOCATION OF SECTION INDICATED THUS: —

LIST OF STANDARDS

- 000001-06 STANDARD SYMBOLS, ABBREVIATIONS, & PATTERNS
- 280001-07 TEMPORARY EROSION CONTROL SYSTEMS
- 420701-02 PAVEMENT FABRIC
- 442201-03 CLASS "D" PATCHES
- 482001-02 HMA SHOULDER ADJACENT TO FLEXIBLE PAVEMENT
- 482006-03 HMA SHOULDER ADJACENT TO RIGID PAVEMENT
- 482011-03 HMA SHLD. STRIPS/SHLDS. WITH RESURFACING OR WIDENING AND RESURFACING PROJECTS
- 542301-03 PRECAST REINFORCED CONCRETE FLARED END SECTION
- 606001-05 CONCRETE CURB TYPE B AND COMBINATION CURB AND GUTTER
- 664001-02 CHAIN LINK FENCE
- 666001-01 RIGHT-OF-WAY MARKERS
- 667101-02 PERMANENT SURVEY MARKERS
- 701421-06 LANE CLOSURE, MULTILANE, DAY OPERATIONS ONLY, FOR SPEEDS > 45 MPH TO 55 MPH
- 701422-06 LANE CLOSURE, MULTILANE, FOR SPEEDS ≥ 45 MPH TO 55 MPH
- 701501-06 URBAN LANE CLOSURE 2L, 2W UNDIVIDED
- 701701-09 URBAN LANE CLOSURE, MULTILANE INTERSECTION
- 701901-03 TRAFFIC CONTROL DEVICES
- 720001-01 SIGN PANEL MOUNTING DETAILS
- 720006-04 SIGN PANEL ERECTION DETAILS
- 729001-01 APPLICATIONS OF TYPES A & B METAL POSTS (FOR SIGNS & MARKERS)
- 780001-04 TYPICAL PAVEMENT MARKINGS
- 873001-02 TRAFFIC SIGNAL GROUNDING & BONDING
- 886001-01 DETECTOR LOOP INSTALLATION
- 886006-01 TYPICAL LAYOUT FOR DETECTION LOOPS

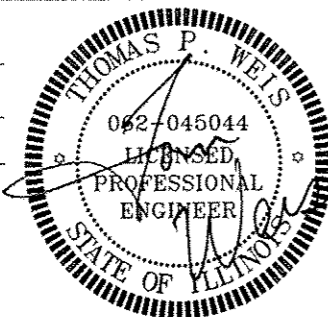
END PITZMAN AVE IMPROVEMENTS STA: 33+26.4
RR OMISSIONS STA: 18+60.9-18+69.3 STA: 28+27.7-29+74.1
RR OMISSION STA: 7+27.5-7+39.9 STA: 9+76.1-9+84.1
BEGIN MONSANTO AVE IMPROVEMENTS STA: -0+12.4



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

THOMAS P. WEIS
Name
10/17/13
Date
07/18/2014
License Expiration



END QUEENY AVE IMPROVEMENTS STA: 99+02.9

PROJECT LENGTH

MONSANTO PITZMAN AVE PAVEMENT PRESERVATION NET	QUEENY AVE NEW ALIGNMENT NET	TOTAL IMPROVEMENT NET
3,163.6 FT = 0.60 MI	4,802.9 FT = 0.91 MI	7,966.5 FT = 1.51 MI
GROSS 3,338.8 FT = 0.63 MI	GROSS 4,802.9 FT = 0.91 MI	GROSS 8,141.7 FT = 1.54 MI

BEGIN QUEENY AVE IMPROVEMENTS STA: 51+00

FUNCTIONAL CLASSIFICATION
CLASSIFICATION COLLECTOR
2012 ADT

QUEENY AVE EXTENSION	= 0
MONSANTO & PITZMAN AVE	= 3,561
DESIGN YEAR 2032 ADT	
QUEENY AVE EXTENSION	= 6,735
MONSANTO & PITZMAN AVE	= 4,329
DESIGN SPEED	
QUEENY AVE EXTENSION	= 25
MONSANTO & PITZMAN AVE	= 25
P.V. 92% S.U., M.U.	= 8%

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED 10-18 2013
[Signature]
Richard Sauget Jr. Mayor

PASSED 11-18 2013
[Signature]
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

11-18 2013 Releasing for Bid Based on Limited Review
[Signature]
DEPUTY DIRECTOR OF HIGHWAYS, REGION 5 ENGINEER

WDG PN: 7313-10-3

W **Weis Design Group**

1403 Nickell Dr
Sauget, IL 62206
(618) 874-0320
phwa@phweis.com

16296 Westwoods
Business Park Dr.
Ellisville, Mo. 63021
(636) 207-0832
f. (636) 207-0328

T:\Clients\SAUGET\7313-10-3A\dwg\BID_10_11_2013\7313-13-3rr COVER SHEET.dwg, COVER, 10/15/2013 3:24:18 PM, Adobe PDF

EXISTING	LEGEND	NEW
	Fire Hydrant	
	Manhole	
	Light Standard	
+680.5	Spot Elevation	+680.5
	Street Sign	
	RR Signal	
	Utility Marker	
	Water Meter	
	Gate Valve	
	Utility Meter	
	Utility Pole	
	Utility Pole With Light	
	Utility Valve	
	CIP	
	Fence	
	ROW	
	Property Line	
	Center Line	
	Easement	
	Curb & Gutter	
	Edge of Pavement	
	Edge of Bituminous Shoulder	
	Edge of Aggregate Shoulder	
	Grading Limits	
	Silt Fence	
	Clean Out Pressure Sewer (COPS)	
	Storm Sewer	
	Lift Station	
	Valve Vault	
	Overhead Electric	
	Natural Gas Service	
	Water Main	
	Fiber Optic Cable	
	Pressure Sewer	
	Sewer	

GENERAL NOTES:

- IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB.
- CONTRACTOR TO SEED ALL GRASS AREAS DISTURBED BY THIS CONSTRUCTION UNLESS OTHERWISE NOTED. CONTRACTOR TO MAINTAIN SEED FOR A 30 DAY PERIOD FROM SEEDING. BACKFILL, FINISH GRADE AND SEED BEHIND NEW ROADS AND SIDEWALK WITH CLEAN MATERIAL. PROVIDE SMOOTH TRANSITION WITH EXISTING GRADES.
- INTERIM STORMWATER DRAINAGE CONTROL (SEDIMENTATION RUNOFF CONTROL, SILTATION BASINS, ETC.) SHALL BE REQUIRED AS DIRECTED. SEDIMENTATION RUNOFF CONTROL DEVICES SHALL BE MAINTAINED BY THE CONTRACTOR DURING GRADING OPERATIONS AND UNTIL SUFFICIENT VEGETATION IS ESTABLISHED TO PREVENT EROSION. TEMPORARY SEDIMENTATION RUNOFF DEVICES SHALL BE REMOVED UPON COMPLETION OF RE-VEGETATION. A STORM WATER POLLUTION PREVENTION PLAN IS INCLUDED IN THE SPECIFICATIONS AND IS TO FOLLOWED IN DETAIL.
- EXISTING UTILITY LOCATIONS SHOWN ON THESE PLANS WERE COMPILED FROM THE BEST AVAILABLE RECORDS. CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO ESTABLISH EXACT LOCATIONS, DEPTHS, AND POSSIBLE RELOCATION OF THE MAINS PRIOR TO CONSTRUCTION.
- ALL UTILITIES, EITHER SHOWN OR NOT SHOWN, IN DIRECT CONFLICT WITH THIS CONSTRUCTION SHALL BE RELOCATED BY OTHERS (RESPECTIVE UTILITY COMPANY), OR AVOIDED. CONTRACTOR SHALL COORDINATE THE WORK WITH EACH UTILITY COMPANY AFFECTED. THE CONTRACTOR SHALL NOTIFY EACH AFFECTED PROPERTY OWNER A MINIMUM OF 48 HOURS PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION AND/OR GRADING.
- GAS, ELECTRIC, TELECOMMUNICATION, AND WATER LINES TO BE RELOCATED BY OTHERS. CONTRACTOR SHALL COORDINATE HIS EFFORTS WITH THE UTILITY COMPANIES. EXACT DISTANCES AND LOCATIONS OF UTILITIES TO BE RELOCATED HAVE NOT YET BEEN DETERMINED.

COMMITMENTS

ACCESS TO THE 60 ACRES WEST OF THE TERMINAL RAILROAD LINE IS TO BE MADE AVAILABLE AT THE EARLIEST OPPORTUNITY UPON WHICH A SAFE CROSSING IS POSSIBLE. CONTRACTOR SHALL CONTACT GARY PHILLIPS AT OLD CASTLE LANDSCAPE SUPPLY (618) 274-1222 TO COORDINATE ACCESS AND TIE-INS TO NEW ROADWAY. ADDITIONALLY, TERMINAL RAIL ROAD IS TO PROVIDE ASSISTANCE IN OPENING NEW CROSSING AT THE QUEENY EXTENSION AND TRRA REPRESENTATIVES ARE TO BE CONTACTED AT (618) 451-8438 TO COORDINATE AND COMPLETE AN EFFECTIVE CROSSING.

ABBREVIATIONS

ABO	ADJUST BY OTHERS	HGL	HYDRAULIC GRADE LINE
AI	AREA INLET	HPNG	HIGH PRESSURE NATURAL GAS
ATG	ADJUST TO GRADE	HW	HIGH WATER
BC	BACK OF CURB	ID	INTERIOR DIAMETER
BO	BY OTHERS	MIN	MINIMUM
BW	BOTTOM OF WALL	N/F	NOW OR FORMERLY
COND	CONDUIT	NIC	NOT IN CONTRACT
CA	CABLE TELEVISION	OE	OVERHEAD ELECTRIC
CFS	CUBIC FEET PER SECOND	OIP	OLD IRON PIPE
CHK	CHECK	OT	OVERHEAD TELEPHONE
CI	CURB INLET	PEDT	PEDESTRIAN TRAFFIC
CO	CLEANOUT	PVCP	POLYVINYL CHLORIDE PIPE
CPP	CORRUGATED PLASTIC PIPE	PVMT	PAVEMENT
DAI	DOUBLE AREA INLET	REQD	REQUIRED
DCI	DOUBLE CURB INLET	PW	POTABLE WATER
DIP	DUCTILE IRON PIPE	STA	STATION
DND	DO NOT DISTURB	TBA	TO BE ABANDONED
DS	DOWNSPOUT	TBRFR	TO BE REMOVED & REPLACED
DT	DRAIN TILE	TC	TOP OF CURB
EOP	EDGE OF PAVEMENT	TCE	TEMPORARY CONSTRUCTION EASEMENT
ESMT	EASEMENT	TSCL	TEMPORARY SLOPE & CONSTRUCTION LICENSE
FES	FINISHED END SECTION	TW	TOP OF WALL
FF	FINISHED FLOOR	UE	UNDERGROUND ELECTRIC
FM	FORCE MAIN	UIP	USE IN PLACE
FO	FIBER OPTIC	UP	UTILITY POLE
FRP	FIBERGLASS REINFORCED PIPE	UT	UNDERGROUND TELEPHONE
GI	GRATE INLET	VCP	VITRIFIED CLAY PIPE
GDRP	GRINDER PUMP		
HC	HANDICAPPED		
HDPE	HIGH DENSITY POLYETHYLENE		

MIXTURE REQUIREMENTS

ADT (Construction Yr):	5000
MU%:	8
SU%:	0
20 YR. ESAL'S:	2.08

MIXTURE USE	SURFACE	SURFACE	BASE CSE	PATCHING	INCIDENTAL SURF
AC/PG	PG 64-22	PG 64-22	PG 64-22	PG 64-22	PG 64-22
DESIGN AIR VOIDS	4.0% @ Ndes=90	4.0% @ Ndes=70	4.0% @ Ndes=90	4.0% @ Ndes=90	4.0% @ Ndes=70
MIX COMPOSITION					
(GRADATION MIXTURE)	IL 9.5	IL 9.5	IL 19.0 FG	IL 19.0 FG	
FRICTION AGG	MIXTURE "D"	MIXTURE "D"	MIXTURE "B"	MIXTURE "B"	MIXTURE "C"

MIXTURE USE	SHOULDERS ≥ 2.25"	SHOULDERS < 2.25"			
AC/PG	PG 64-22	PG 64-22			
DESIGN AIR VOIDS	**2.0% @ Ndes=30	**2.0% @ Ndes=30			
MIX COMPOSITION	NMAS 3/4"	NMAS 1/2"			
(GRADATION MIXTURE)					
FRICTION AGG					

** Top Lift Shoulders - Design this mix at 2.0% voids and add asphalt to reduce voids to 1.5%.

Plan quantities for Bituminous Concrete Surface Course items are calculated using a unit weight of 112 lb/sq yd/in (59.8 kg/sq m/25 mm thickness).

UTILITY INFORMATION

AMEREN IP (NATURAL GAS) 1050 WEST BOULEVARD P.O. BOX 428 BELLEVILLE, IL 62222-0428 (618) 236-4338	AMEREN IP (ELECTRIC) 500 EAST BROADWAY EAST ST. LOUIS, IL 62201 (618) 482-2213
LACLEDE GAS COMPANY (GAS MAIN AT TRACKS) BRUCE SHRAMA BSHRAMA@LACLEDEGAS.COM 4118 SHREWSBURY AVE. ST. LOUIS MO. 63119 (314) 788-7750	AT&T (PHONE) 203 GOETHE ST. COLLINSVILLE, IL 62234 (618) 346-8494
CENTER ETHANOL CO, LLC (NATURAL GAS PRIVATE) DENNY CROWN 231 MONSANTO AVE SAUGET, IL 62201 (618) 274-0912	VILLAGE OF SAUGET (SANITARY) MAINTENANCE DEPARTMENT 2550 FALLING SPRINGS RD SAUGET, IL 62206 (618) 337-4683
ILLINOIS-AMERICAN WATER CO (WATER) 300 N WATER WORKS DR BELLEVILLE, IL 62223 (618) 236-1180	VILLAGE OF CAHOKIA (SANITARY) 201 WEST 4TH ST. CAHOKIA, IL 62206 (618) 332-1222
COMMONFIELDS OF CAHOKIA (WATER) 2525 MOUSETTE LN. CAHOKIA, IL 62206 (618) 337-3302	AMERICAN BOTTOMS (WASTE TREATMENT PLANT) KELLY SMITH 1 AMERICAN BOTTOMS RD SAUGET, IL 62201 (618) 337-1710
	EXPLORER PIPELINE (LEGACY PETROLEUM PIPELINE) 1355 ROBBINS RD HARTFORD, IL 62048 (618) 251-0262 (LOCAL) (918) 493-5100 (NATIONAL)

FILE NAME =	USER NAME = jpg	DESIGNED -- JGP	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE EXTENSION GENERAL NOTES	SCALE: NTS	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Y:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP_L10_7313-10-3A\dwg\FINAL 12-08-2011	PLOT SCALE = NTS	DRAWN -- CRG	REVISED --							05-00012-00-PV	ST. CLAIR	65	2	
7313-10-3 COVER SHEET.dwg	PLOT DATE = Nov 08, 2012 - 10:03AM	CHECKED -- JPG	REVISED --							CONTRACT NO. 97485		ILLINOIS FEDERAL AID PROJECT		
		DATE -- 8-28-2012	REVISED --											

TREE REMOVAL				
STATION		TREE REMOV (6-15 UNITS DIAMETER)	STATION	TREE REMOVAL ACRES
		UNIT		ACRE
QUEENY AVE EXTENSION				
52+70 RT	+15	15		
57+70 LT, 58+30 LT	7.11	18		
61+10 LT, 61+30 LT	8.12	20		
			63+90	0.05
			64+50	0.13
TOTAL		53		0.18

EXCAVATION AND GRADING SCHEDULE						
EXCAVATION AND GRADING						
STATION	TO	STATION	EARTH EXCAVATION, SPECIAL	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE	EMBANKMENT	NON- SPECIAL WASTE DISPOSAL
			CU YD	CU YD	CU YD	CU YD
QUEENY AVE EXTENSION						
			0	0	0	0
51+00		54+75	1938	1569	801	768
54+75		61+00	1524	1235	2795	-1560
61+00	AT TRACK	64+00	1222	989	2822	-1832
64+00		71+00	4904	3972	2913	1060
71+00		77+00	4179	3385	169	3216
77+00		85+00	6554	5341	1227	4115
85+00		93+00	1623	1315	5596	-4281
93+00		99+00	2239	1814	1166	648
Shrinkage factor 19.00 %						
SUBTOTAL			24223	19620	17487	2134
Waste/excavation shall remain at the right of way. The RE is to direct placement of HAUL/non-special waste with the ROW. NON-SPECIAL WASTE REMOVAL PERMITTED ONLY AT THE DIRECTION OF THE RE.						
TOTAL			24,223	19,620	17,487	2,134

SUMMARY OF QUANTITIES			
CODE NO.	ITEM	UNIT	QUANTITY
20100110	TREE REMOV (6-15 UNITS DIAMETER)	UNIT	53
20100500	TREE REMOVAL ACRES	ACRE	0.18
20200100	EARTH EXCAVATION	CU YD	24,223
20600110	GRANULAR EMBANKMENT, SPECIAL	TON	8,842
20800150	TRENCH BACKFILL	CU YD	222
25000210 *	SEEDING, CLASS 2A	ACRE	8.5
25000400 *	NITROGEN FERTILIZER NUTRIENT	POUND	765
25000500 *	PHOSPHATE FERTILIZER NUTRIENT	POUND	765
25000600 *	POTASSIUM FERTILIZER NUTRIENT	POUND	765
25100115 *	MULCH, METHOD 2	ACRE	4.7
25100125 *	MULCH METHOD 3	ACRE	3.8
28000250 *	TEMPORARY EROSION CONTROL SEEDING	POUND	1,700
28000400	PERIMETER EROSION BARRIER	FOOT	2,190
28100725	STONE DUMPED RIPRAP CLASS B3	SQ YD	326
28200200	FILTER FABRIC	SQ YD	326
35101400	AGGREGATE BASE COURSE, TYPE B	TON	301
35501318	HOT-MIX ASPHALT BASE COURSE 6 1/2"	SQ YD	18,337
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	300
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GAL	2,497
40600300	AGGREGATE (PRIME COAT)	TON	233
40600895	CONSTRUCTING TEST STRIP	EACH	2
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	1,275
40600990	TEMPORARY RAMP	SQ YD	230
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	837
40603345	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N90	TON	1,996
40600050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	642
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	195
44000300	CURB REMOVAL	FOOT	55
44201821	CLASS D PATCHES TYPE IV, 14 INCHES	SQ YD	27
44300100 *	AREA REFLECTIVE CRACK CONTROL TREATMENT	SQ YD	9,962
48101200	AGGREGATE SHOULDERS, TYPE B	TON	1,291
48101800	AGGREGATE SHOULDER, TYPE B 8"	SQ YD	4,269
48203029	HOT-MIX ASPHALT SHOULDERS, 8"	SQ YD	4,483
542A0223	PIPE CULVERTS, CLASS A, TYPE 1 18"	FOOT	446
542A0229	PIPE CULVERTS, CLASS A, TYPE 1 24"	FOOT	420
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	12
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	12
60255500	MANHOLE TO BE ADJUSTED	EACH	1
60600605	CONCRETE CURB, TYPE B	FOOT	135
66600105	FURNISHING AND ERECTING RIGHT-OF-WAY MARKERS	EACH	31
66700205	PERMANENT SURVEY MARKERS, TYPE 1	EACH	10
66900200 *	NON-SPECIAL WASTE DISPOSAL	CU YD	2,134
66900450 *	SPECIAL WASTE PLANS AND REPORTS	L SUM	1
66900530 *	SOIL DISPOSAL ANALYSIS	EACH	4
67100100	MOBILIZATION	L SUM	1
70102635	TRAFFIC CONTROL AND PROTECTION, STANDARD 701701	L SUM	1
70106900	CHANGEABLE MESSAGE SIGN	CAL MON	8
70300100	SHORT TERM PAVEMENT MARKING	FOOT	364
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	17,215
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	451
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	6,496
72000100	SIGN PANEL - TYPE 1	SQ FT	329
72000100	METAL POST - TYPE A	FOOT	671
78000100 *	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	728
78000200 *	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	34,429
78000500 *	THERMOPLASTIC PAVEMENT MARKING - LINE 8"	FOOT	225
78000650 *	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	451
88600100 *	DETECTOR LOOPS, TYPE 1	FOOT	1,344
X3112900	SUBBASE GRANULAR MATERIAL (SPECIAL)	CU YD	4,753
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH	SQ YD	2,897
X6540302	CHAIN LINK FENCE REMOVAL (SPECIAL)	FOOT	1,985
X6640560 *	CHAINLINK FENCE 6' (SPECIAL)	FOOT	2837
X7010216 *	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
X0811100 *	RAILROAD CROSSING	L SUM	1
20013798	CONSTRUCTION LAYOUT	L SUM	1
20048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1
20076600	TRAINEES	HOURS	1,000
20076604	TRAINEES TRAINING PROGRAM GRADUATE	HOURS	1,000
	* SPECIALTY ITEM		

EROSION SCHEDULE			
STATION	STATION	PERIMETER EROSION BARRIER	
		FOOT	
QUEENY AVE EXTENSION			
50+30	54+75	105	
54+75	61+00	150	
61+00	71+00	650	
71+00	77+00	445	
77+00	85+00	135	
85+00	93+00	365	
93+00	99+00	340	
MONSANTO AND PITZMAN AVE			
-0+12.4	8+50		
8+50	17+50		
17+50	27+00		
27+00	33+27		
TOTAL		2190	
SEE SEEDING SCHEDULE FOR TEMPORARY EROSION SEEDING			

SEEDING SCHEDULE									
STATION	STATION	ACRE	SEEDING, CLASS 2A	TEMPORARY EROSION CONTROL SEEDING	NITROGEN FERTILIZER NUTRIENT	PHOSPHATE FERTILIZER NUTRIENT	POTASSIUM FERTILIZER NUTRIENT	MULCH METHOD 2	MULCH METHOD 3
			ACRE	POUND	POUND	POUND	POUND	ACRE	ACRE
QUEENY AVE EXTENSION									
50+30	51+00	0.20	40	18	18	18	0.1	0.1	
51+00	54+75	0.50	100	45	45	45	0.4	0.1	
54+75	61+00	0.70	140	63	63	63	0.5	0.2	
61+00	71+00	1.90	380	171	171	171	1.0	0.9	
71+00	77+00	1.00	200	90	90	90	0.6	0.4	
77+00	85+00	1.60	320	144	144	144	0.6	1.0	
85+00	93+00	1.70	340	153	153	153	1.1	0.6	
93+00	99+00	1.10	220	99	99	99	0.5	0.6	
MONSANTO AND PITZMAN AVE									
-0+12.4	8+50	0.00	0	0	0	0	0.0	0.0	
8+50	17+50	0.00	0	0	0	0	0.0	0.0	
17+50	27+00	0.00	0	0	0	0	0.0	0.0	
27+00	33+27	0.00	0	0	0	0	0.0	0.0	
TOTAL		8.5	1700	765	765	765	4.7	3.8	
TEMPORARY SEEDING PROVIDED AS 100 LB/ACRES, AREA BASED UPON 2 X ACRES FOR SEEDING CLASS 2A. QUANTITY IS TO BE INSTALLED AT THE DISCRETION OF RESIDENT ENGINEER AND MAY BE REDUCED, DEPENDING ON GROWING CONDITIONS.									

FILE NAME =	USER NAME = jpp	DESIGNED = JGP	REVISED = 6-21-2013
T:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STPA_L02_7313-10-3A\dwg\BD_10_11_2013	STPA_L02_7313-10-3A\dwg\BD_10_11_2013	DRAWN = CRO	REVISED = 10-11-2013
	PLOT SCALE = NTS	CHECKED = JPG	REVISED = 11-25-2013
	PLOT DATE = Dec 09, 2013 - 11:10AM	DATE = 6-28-2012	REVISED = 11-26-2013, 12-9-2013

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SUMMARY OF QUANTITIES	
QUEENY AVE EXTENSION, ROUTE 3, MONSANTO AND PITZMAN AVE	
SCALE: NTS	SHEET NO. 1 OF 1 SHEETS
STA.	TO STA.

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-09012-00-PV	ST. CLAIR	65	3
CONTRACT NO. 97485			ILLINOIS FEDERAL AID PROJECT	

I:\Clients\GAUGET\7313-10-3A Hwy Hollow - Loop 51\PA_ID_7313-10-3A.dwg\BID_10_11_2013\SUMMARY OF QUANTITIES.dwg - SCHEM1_12/9/2013 11:07:57 AM

PAVEMENT SCHEDULE																			
STATION	STATION	GRANULAR EMBANKMENT, SPECIAL	SUB-BASE GRANULAR MATERIAL, SPECIAL	HOT-MIX ASPHALT BASE COURSE 8 1/2"	BITUMINOUS MATERIALS (PRIME COAT)	AGGREGATE (PRIME COAT)	HOT-MIX ASPHALT SURFACE COURSE 1 1/2" (D. N90)	TEMPORARY RAMP	HOT-MIX ASPHALT SHOULDERS 8"	AGGREGATE SHOULDER TYPE B 8"	SUB-BASE GRANULAR MATERIAL TYPE C	HOT-MIX ASPHALT SURFACE REMOVAL VARIABLE DEPTH	AREA REFLECTIVE CRAK CONTROL TREATMENT	HOT-MIX ASPHALT SURFACE COURSE MK "D" N70	CURB REMOVAL	CONCRETE CURB TYPE B	AGGREGATE SHOULDERS TYPE B	CLASS D PATCHES TYPE V, 14 INCHES	
		TON	CU YD	SQ YD	GAL	TON	TON	SQ YD	SQ YD	SQ YD	TON	SQ YD	SQ YD	SQ YD	TON	FOOT	FOOT	TON	SQ YD
QUEENY AVE EXTENSION																			
50+30.0	51+00							230			54								
51+00	64+15	2679	1435	5818	582	72.7	633		1228	1169	99								
64+15	99+03	6172	2316	12519	1252	156	1363		3256	3100	264							80.0	
99+03		0																	
		0																	
SUB-TOTAL		8842	4753	18337	1834	229	1996	230	4483	4269	407	0	0	0	0	0	80	0	0
MONSANTO AND PITZMAN AVE																			
00+12	1+50											793	340	1133					95.2
1+50	7+27.53											62	501	1814					160.8
2+50	2+50												17						
7+40	9+76.09											102	167	630					52.9
9+30	9+61																		0.0
9+76	10+80																		273.8
9+84.13	18+61																		0.0
11+10	14+35																		311.3
12+49	12+40																		0.0
15+85	18+60																		444.6
18+70	19+38																		0.0
19+41.55	28+77.61											88	34	189					15.9
25+50	26+05											58	791	2658					223.3
26+05	33+16																		0.0
												90		1002					84.2
																			0.0
SUBTOTAL		0	0	0	0	0	0	0	0	0	0	1275	2897	9962	836.8	55	55	1291	27
DRIVEWAY (FROM DRIVEWAY SCHEDULE)					662.9	3.5													
TOTAL		8842	4753	18337	2497	233	1996	230	4483	4269	407	1276	2897	9962	837	55	135	1291	27
QUANTITY		tons calc	8842	8597	8573	233	1996	76	4483	4269	407	1276	2897	9962	837	55	135	1291	27
		based on 135 lb CU FT compacted				233	1996	76	4483	4269	407				837				12
THESE QUANTITIES ARE TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER																		SURFACE	
110 LB/SQ YD IN																		AGGREGATE	
0.10 GAL/SQ YD																		112 LB/SQ YD IN	

HOT MIX ASPHALT TABLE MIXTURES						
MIXTURE USE	BASE COURSE	SURFACE	SURFACE	PATCH	SHOULDER	INCIDENTAL
AC/PE						
RAP % (MAX)						
DESIGN AIR VOID		N90	N70			
MIX COMPOSITION						
FRICITION AGG.		MIX D	MIX D			

PIPE CULVERT SCHEDULE												
STATION	OFFSET	STATION	OFFSET	PIPE CULVERTS, CLASS A, TYPE 1 18"	PIPE CULVERTS, CLASS A, TYPE 1 24"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	na	na	TRENCH BACKFILL	STONE DUMPED RIPRAP CLASS B3	FILTER FABRIC
				FOOT	FOOT	EACH	EACH	an	na	CU YD	SQ YD	SQ YD
QUEENY AVE EXTENSION												
54+50.00	43.5 LT	54+50.00	46.5 RT	90		2		2		10	28	28
57+50.00	40.3 LT	57+50.00	36.7 RT	77		2		2		8	28	28
60+63.00	40.9 RT	61+12.00	42.5 LT	49		2		2		5	22	22
63+00.00	52.0 LT	63+00.00	47.0 RT	99		2		2		11	28	28
67+50.00	33.4 LT	68+00.00	38.6 RT		72		2	2	2	30	33	33
68+32.10	59.0 LT	68+32.10	60.0 RT		60		2	2	2	25	22	22
71+00.00	30.4 LT	71+00.00	39.6 RT		70		2	2	2	29	22	22
71+81.90	41.1 LT	72+67.10	41.1 LT		85	2		2		9	22	22
76+84.40	41.1 LT	77+32.60	41.1 LT		48	2		2		5	22	22
79+50.00	32.3 LT	79+50.00	37.7 RT		70		2	2	2	29	33	33
86+00.00	36.6 LT	86+00.00	39.4 RT		76		2	2	2	31	33	33
92+50.00	34.7 LT	92+50.00	37.3 RT		72		2	2	2	30	33	33
TOTAL				445	420	12	12	na	na	222	326	326

DRIVEWAY SCHEDULE										
OFFSET	STATION	ENTRANCE TYPE	ENTRANCE WIDTH	EXISTING SURFACE TYPE	AGGREGATE BASE COURSE, TYPE B	PVMT DRIVEWAY INFORMATION ONLY	AGGREGATE (PRIME COAT) BID WITHIN PVMT SCHEDULE	BITUMINOUS MATERIALS (PRIME COAT)	INCIDENTAL HOT-MIX ASPHALT SURFACING	DRIVEWAY PAVEMENT REMOVAL
					TON	SQ YD	TON	GAL	TON	SQ YD
QUEENY AVE EXTENSION										
RT	51+00	CE	24'	CONC		195.0				195.0
LT	56+00	CE	35'	N/A	44.8	280.0		98.0	94.1	
RT	60+88	CE	35'	N/A	48.0	300.0		105.0	103.8	
LT	69+37	CE	35'	N/A	51.2	320.0		112.0	107.5	
LT	72+25.67	CE	60 (24', 24', 12')	N/A	57.6	360.0		126.0	121.0	
LT	76+88.35	CE	24'	N/A	36.8	230.0		80.5	77.3	
LT	96+50	CE	24'	AGGR	62.2	388.6		0.0	0.0	
SUBTOTAL					300.6	1878.6	0.0	521.5	500.6	195.0
MONSANTO AVE & PITZMAN AVE										
LT	4+00	CE	500'	BIT	0.0	573	1.4	57.3	57.3	
RT	1+90	CE	40'	N/A	0.0	47	0.1	4.7	4.7	
RT	3+89	CE	60'	N/A	0.0	82	0.2	8.2	8.2	
RT	5+22	CE	30'	N/A	0.0	43	0.1	4.3	4.3	
LT	8+71	CE	110'	N/A	0.0	137	0.3	13.7	13.7	
LT	10+92	CE	26'	N/A	0.0	48.0	0.1	4.8	4.8	
RT	11+40	CE	120'	N/A	0.0	144	0.4	14.4	14.4	
LT	15+12	CE	140'	N/A	0.0	194.0	0.5	19.4	19.4	
RT	18+77	CE	20'	N/A	0.0	34.0	0.1	3.4	3.4	
LT	19+03	CE	20'	N/A	0.0	34.0	0.1	3.4	3.4	
RT	19+77	CE	23'	N/A	0.0	26.0	0.1	2.6	2.6	
RT	28+73	CE	40'	N/A	0.0	25.0	0.1	2.5	2.5	
RT	33+16	CE	24'	N/A	0.0	27.0	0.1	2.7	2.7	
SUBTOTAL					0.0	1414.0	3.5	141.4	141.4	0.0
TOTAL					300.6	3292.6	3.5	662.9	642.0	195.0
PRIME COATS AT THE DISCRETION OF THE RESIDENT ENGINEER					AGGREGATE 0.0325 TONS/SQ YD	0.35 GAL/SQ YD PRIME COAT AGG				
THE RE					HOT MIX ASPHALT 112 LB/SQ YD	0.10 GAL/SQ YD PRIME COAT HMA OR CONC				

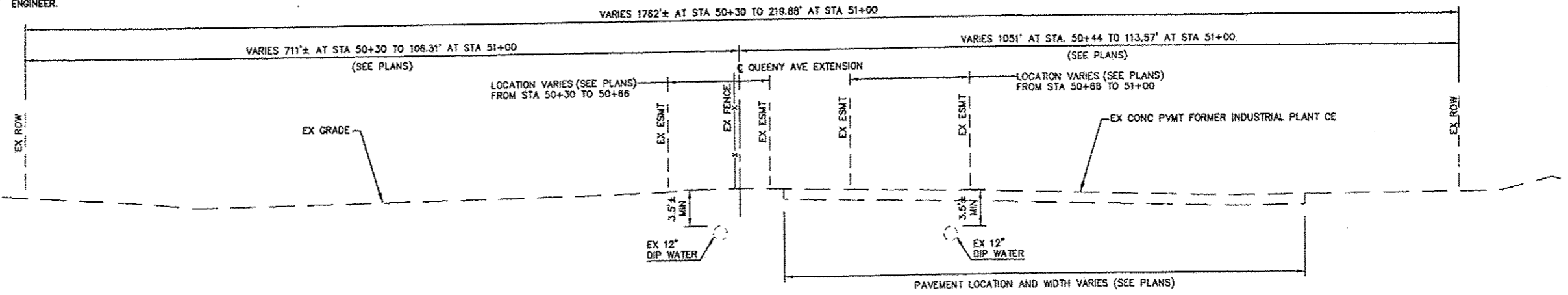
SIGN PANEL - TYPE 1
TRAFFIC CONTROL DEVICES SCHEDULE

STATION	OFFSET	SPEED LIMIT SIGN (R2-1) 20 MPH	STOP SIGN (R1-1)	YIELD (R2-1)	RIGHT LANE MUST TURN RIGHT SIGN (R3-7R)	BEGIN RIGHT TURN LANE (R3-20R)	GRADE CROSSING (CROSSBUCK) SIGN (R15-1)	HORIZONTAL ALIGNMENT (W1-1R)	HORIZONTAL ALIGNMENT (W1-1L)	CURVE SIGN (W1-2)	STOP AHEAD (W3-1)	YIELD AHEAD (W3-2)	SIGNAL AHEAD (W3-3)	PAVEMENT ENDS (W8-3)	GRADE CROSSING ADVANCE WARNING (W10-1)	ADVISORY SPEED (PLAQUE) (W13-1)	U.S. ROUTE SIGN (1 OR 2 DIGITS) (M1-4)	STATE ROUTE SIGN (1 OR 2 DIGITS) (M1-5)	CARDINAL DIRECTION NORTH SIGN (M3-1)	CARDINAL DIRECTION EAST SIGN (M3-2)	CARDINAL DIRECTION SOUTH SIGN (M3-3)	CARDINAL DIRECTION WEST SIGN (M3-4)	DIRECTIONAL ARROW SIGN (M6-1)	CHEVRON WARNING SIGN (W1-8)		
	SQ FT	9.00	10.00	7.50	6.25	6.00	6.00	10.00	10.00	8.00	10.00	10.00	10.00	10.00	4.91	6.00	4.00	4.00	2.00	2.00	2.00	2.00	2.19	3.00		
QUEENY AVE EXTENSION																										
50+62	LT			1																						
50+65	RT			1																						
51+00	LT																1	2	1	1	1	1	3			
51+50	RT	1																								
54+25	LT												1													
57+30	LT/RT	2																								
59+80	RT														1											
61+80	RT/LT									1															5	
64+09	RT			1																						
64+31	LT			1																						
66+25	LT																									
67+25	LT/RT									1					1										6	
69+00	LT/RT	2																								
80+75	LT/RT	2																								
97+50	RT													1											6	
98+00	LT/RT	1								1																
SUB-TOTAL		8	0	4	0	0	0	0	0	3	0	0	1	1	2	0	1	2	1	1	1	1	3	17		
TOTAL SIGNS		46																								
MONSANTO AND PITZMAN AVE																										
3+40	RT														1											
4+40	RT																									
8+15	RT																									
9+30	LT																									
12+00	LT																									
13+00	LT														1											
19+05	RT															1										
20+50	LT							1																		
25+45	RT														1											
26+45	RT																									
29+15	RT						1																			
29+50	LT						1																			
31+15	RT							1																		
31+75	LT																									
32+70	LT														1											
33+30	LT															1										
SUB-TOTAL		0	0	0	0	0	2	2	2	0	0	0	0	0	4	4	0	0	0	0	0	0	0	0	0	
TOTAL SIGNS		14																								
TOTAL (SQ FT)		72	0	30	0	0	12	20	20	24	0	0	10	10	29	24	4	8	2	2	2	2	7	51		
TOTAL (SQ FT)		329																								
METAL POST - TYPE A																										
POST = SIGN HUND +1 DOUBBLE POST-12 SIGN																										
SIGN POST 11 FT SIGN X 11 FT																										
FOOT																										
61																										
671																										

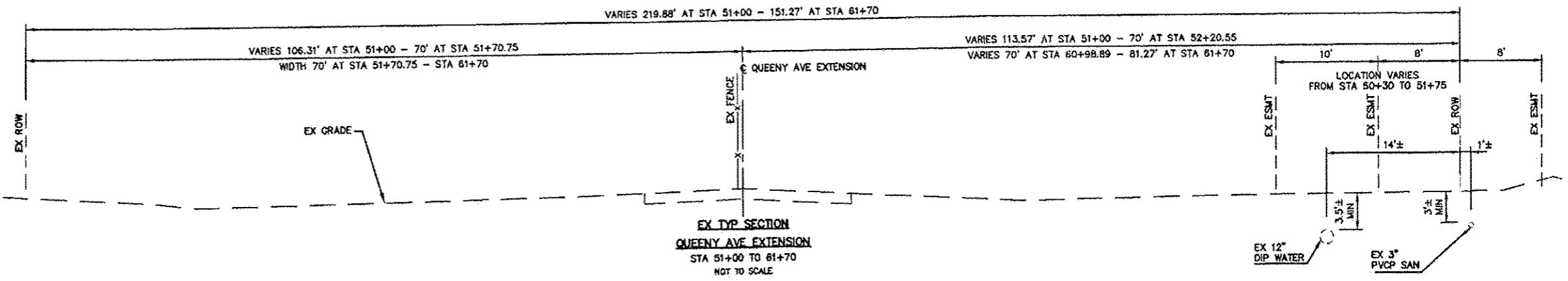
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- NOTES:
- EX DEPTH BASED ONLY UPON RECORDED DRAWINGS.
 - AGGREGATE (PRIME COAT) AND BITUMINOUS MATERIALS (PRIME COAT) TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

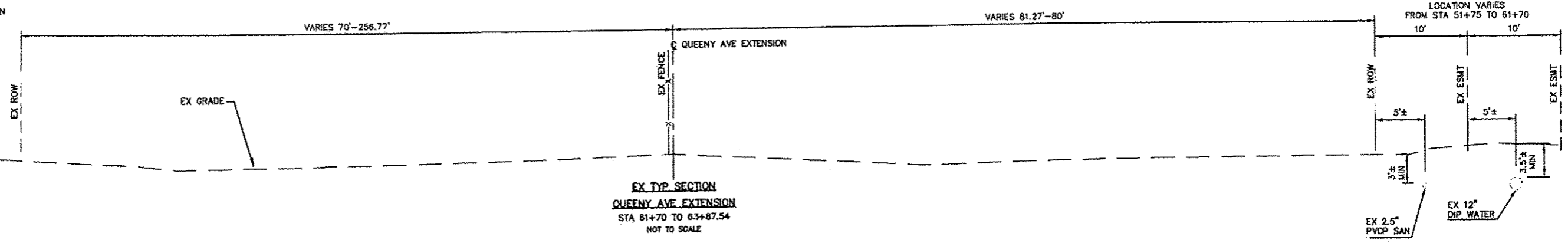
- EX 6" VERTICAL CONC CURB TO REMAIN
- EX CONC PVMT W HMA OVERLAY
- EX ASPH WEDGE TO BE REMOVED
- EX LEVELING BINDER (MACHINE METHOD) MIXTURE C, TYPE 2
- EX BIT CONC SURF CSE, MIX D, CLASS 1, TYPE 2
- EX HMA MATL (PRM CT)
- EX HMA SURF REM (COLD MILL) NOT USED
- EX HMA SHLD, (STOCKPILE EXCAVATED MATL FOR ITEM 9)
- EX GRADING AND SHAPING SHLD
- EX HMA SURF REM TO CONC BASE
- EX BINDER (MACH METH) MIX B, TYPE 2 (SEE SECTIONS)
- EX HMA SURF TREATMENT (COVER AND SEAL COATS), EX 9.5' W ASPH WALK
- EX AGG SHLD
- EX HMA SHLD
- EX HMA SURF CSE
- EX HMA BASE CSE
- PR HMA SURF REM VARIABLE DEPTH
- PR 1 1/2" HMA SURF COURSE, MIX "D" N70
- PR 2" HMA SURF COURSE, MIX "D" N90
- PR HMA BASE COURSE B 1/2"
- GRANULAR EMBANKMENT SPECIAL
- SUBBASE GRANULAR MATERIAL B 8 INCHES (SPECIAL)
- PR HMA SHLD, 8"
- PR AGG SHLD, TYPE B 8"
- PR AGG SHLD, TYPE B
- PR SUB-BASE GRAN MATERIAL, TYPE C (AGG WEDGE)
- PR AREA REFLECTIVE CRACK CONTROL TREATMENT
- PR AGG (PRIME COAT).BIT(PRIME COAT)APPLIED AT THE DISCRETION OF THE RE



EX TYP SECTION
QUEENY AVE EXTENSION
STA 50+30 TO 51+00
NOT TO SCALE



EX TYP SECTION
QUEENY AVE EXTENSION
STA 51+00 TO 61+70
NOT TO SCALE

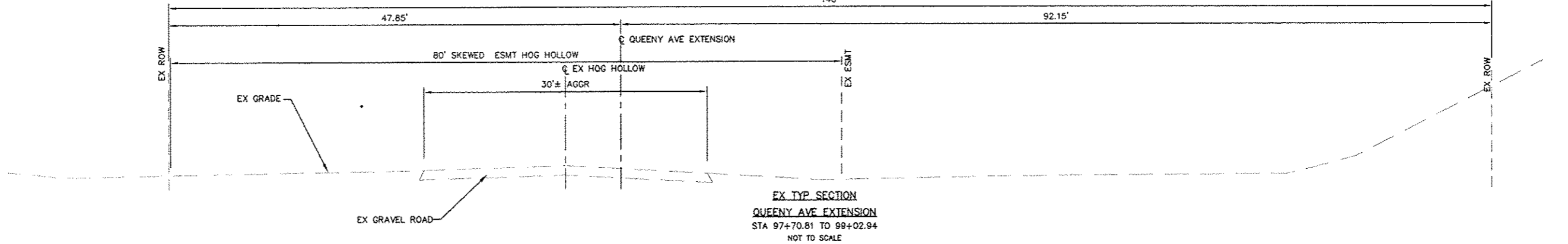
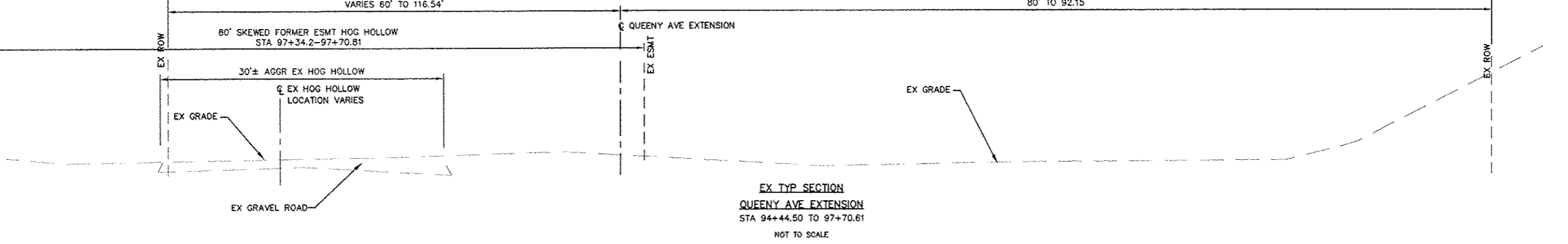
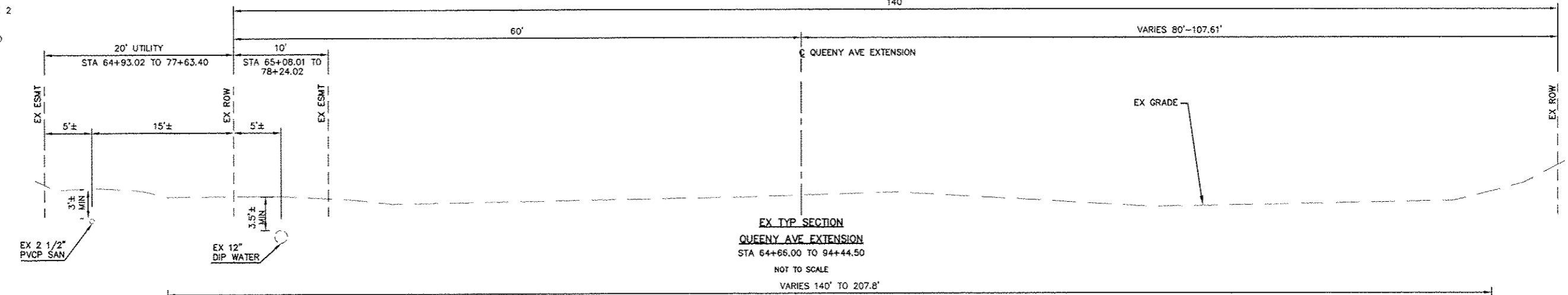
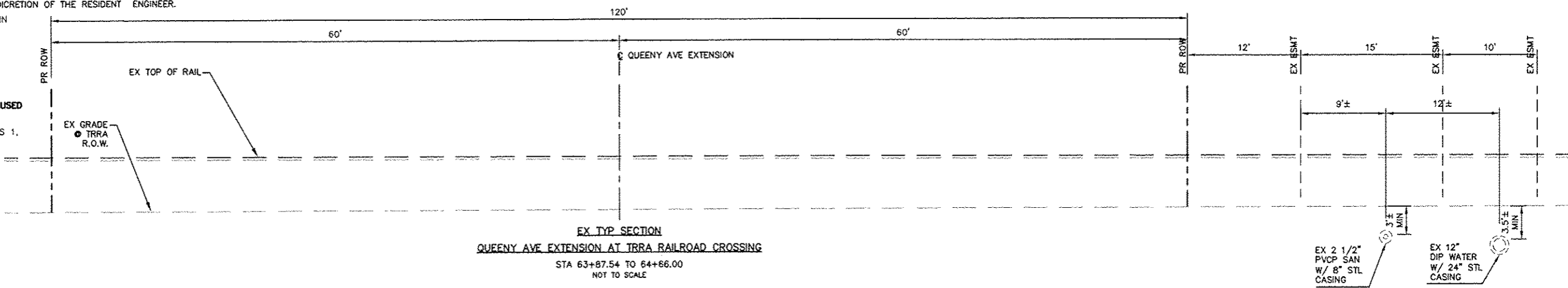


EX TYP SECTION
QUEENY AVE EXTENSION
STA 61+70 TO 63+87.54
NOT TO SCALE

FILE NAME =	USER NAME = jpg	DESIGNED -- JPG	REVISED --	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE EXISTING TYPICAL SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
DRAWN -- CRO					SCALE: N/A	SHEET NO. 1 OF 9 SHEETS	STA.	TO STA.	05-00012-00-PV	ST. CLAIR	65	7
CHECKED -- JPG								CONTRACT NO. 97485				
PLOT DATE = Nov 08, 2012 - 10:54AM								ILLINOIS FEDERAL AID PROJECT				

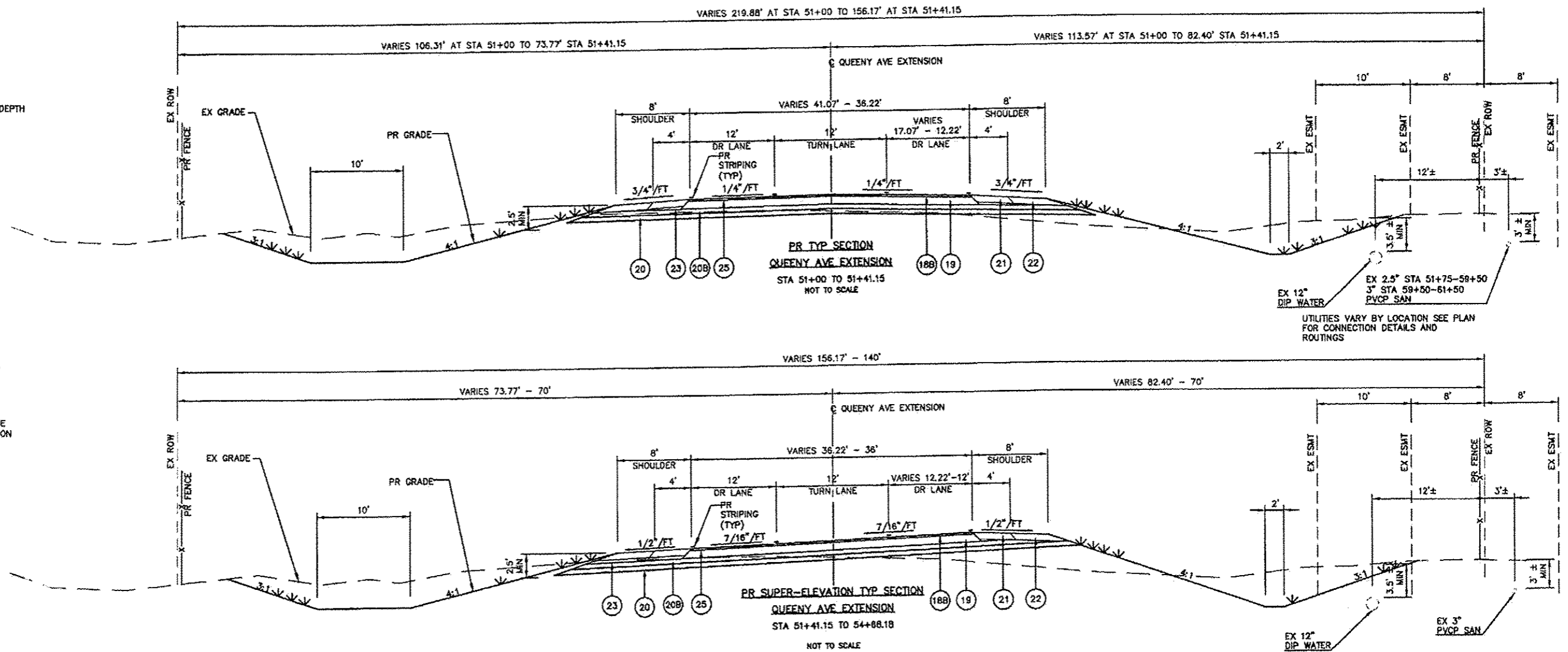
T:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP\LOD_7313-10-3A\dwg\810_11_2013\7313-10-3ex TYPICAL SECTIONS 6-27-2012.dwg QUEENY EX TYP SHEET 2 10/8/2013 9:59:01 AM Adobe PDF

- NOTES:**
 1. EX DEPTH BASED ONLY UPON RECORDED DRAWINGS.
 2. AGGREGATE (PRIME COAT) AND BITUMINOUS MATERIALS (PRIME COAT) TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.
- 1 EX 6" VERTICAL CONC CURB TO REMAIN
 - 2 EX CONC PVMT W HMA OVERLAY
 - 3 EX ASPH WEDGE TO BE REMOVED
 - 4 EX HMA SURF REM (COLD MILL) **NOT USED**
 - 5 EX BIT CONC SURF CSE, MIX D, CLASS 1, TYPE 2
 - 6 EX HMA MATL (PRM CT)
 - 7
 - 8 EX HMA SHLD, (STOCKPILE EXCAVATED MATL FOR ITEM 9)
 - 9 EX GRADING AND SHAPING SHLD
 - 10 EX HMA SURF REM TO CONC BASE
 - 11 EX BINDER (MACH METH) MIX B, TYPE 2 (SEE SECTIONS)
 - 12 EX HMA SURF TREATMENT (COVER AND SEAL COATS), EX 9.5' W ASPH WALK)
 - 13 EX AGG SHLD
 - 14 EX HMA SHLD
 - 15 EX HMA SURF CSE
 - 16 EX HMA BASE CSE
 - 17 PR HMA SURF REM VARIABLE DEPTH
 - 18 PR 1 1/2" HMA SURF COURSE, MIX "D" N70
 - 18B PR 2" HMA SURF COURSE, MIX "D" N90
 - 19 PR HMA BASE COURSE B 1/2"
 - 20 GRANULAR EMBANKMENT SPECIAL 6"
 - 20B SUBBASE GRANULAR MATERIAL (SPECIAL) 6"
 - 21 PR HMA SHLD, 8"
 - 22 PR AGG SHLD, TYPE B 8"
 - 22B PR AGG SHLD, TYPE B
 - 23 PR SUB-BASE GRAN MATERIAL, TYPE C (AGG WEDGE)
 - 24 PR AREA REFLECTIVE CRACK CONTROL TREATMENT
 - 25 PR AGG (PRIME COAT), BIT (PRIME COAT) APPLIED AT THE DISCRETION OF THE RE



FILE NAME =	USER NAME = jpq	DESIGNED = JPG	REVISED - 07-15-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE EXISTING TYPICAL SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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PLOT SCALE =	CHECKED = JPG	REVISED =	CONTRACT NO. 97485		ILLINOIS FEDERAL AID PROJECT							
PLOT DATE = Oct 08, 2013 - 9:59AM	DATE = 6-28-2012	REVISED =	SCALE: N/A		SHEET NO. 2 OF 9 SHEETS	STA.	TO STA.					

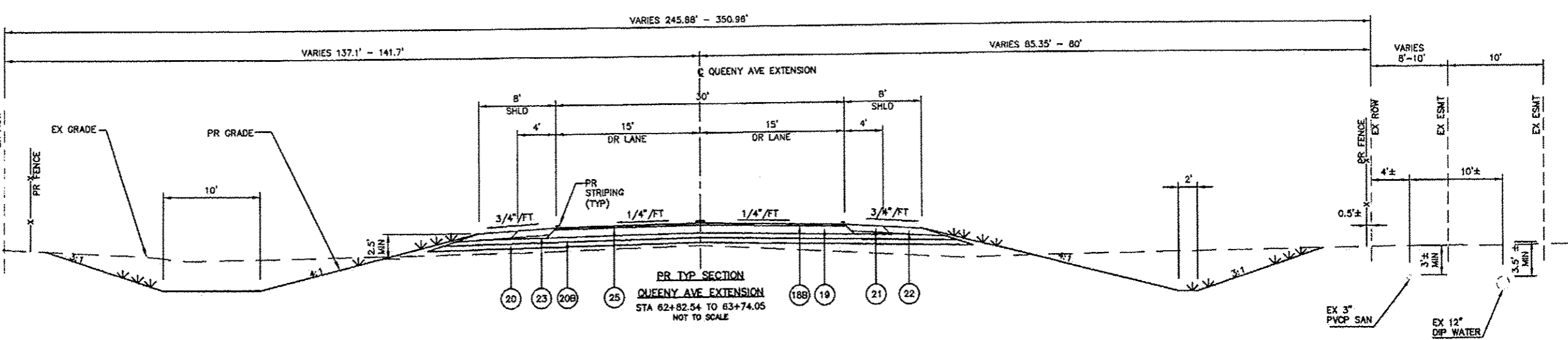
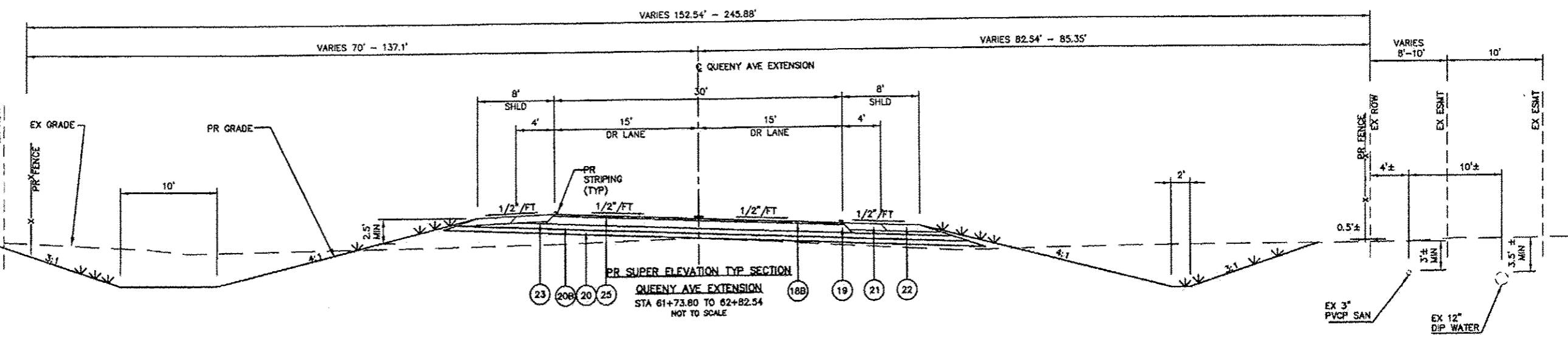
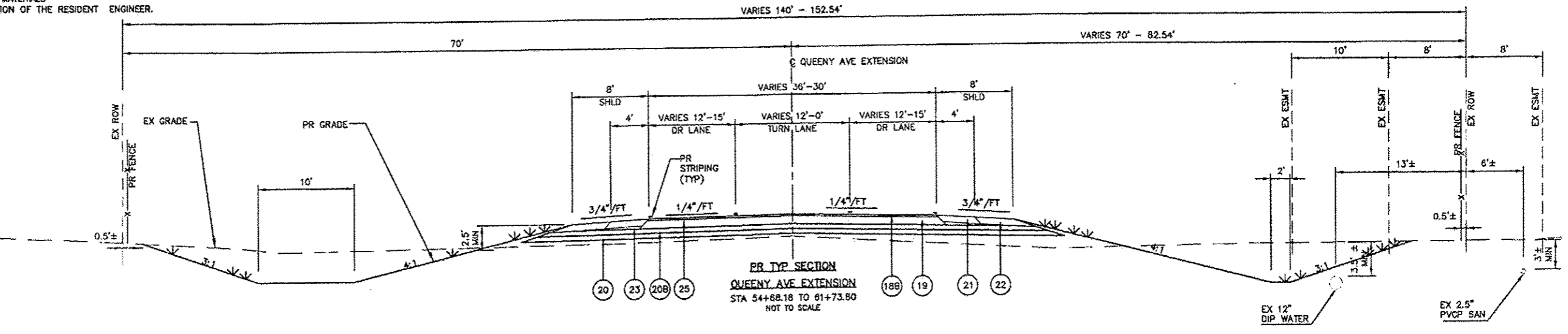
- NOTES:
1. EX DEPTH BASED ONLY UPON RECORDED DRAWINGS.
 2. AGGREGATE (PRIME COAT) AND BITUMINOUS MATERIALS (PRIME COAT) TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.
- 1 EX 6" VERTICAL CONC CURB TO REMAIN
 - 2 EX CONC PVMT W HMA OVERLAY
 - 3 EX ASPH WEDGE TO BE REMOVED
 - 4 EX LEVELING BINDER (MACHINE METHOD) MIXTURE C, TYPE 2
 - 5 EX BIT CONC SURF CSE, MIX D, CLASS 1, TYPE 2
 - 6 EX HMA MATL (PRM CT)
 - 7 EX HMA SURF REM (COLD MILL) NOT USED
 - 8 EX HMA SHLD, (STOCKPILE EXCAVATED MATL FOR ITEM 9)
 - 9 EX GRADING AND SHAPING SHLD
 - 10 EX HMA SURF REM TO CONC BASE
 - 11 EX BINDER (MACH METH) MIX B, TYPE 2 (SEE SECTIONS)
 - 12 EX HMA SURF TREATMENT (COVER AND SEAL COATS), EX 9.5' W ASPH WALK
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 - 14 EX HMA SHLD
 - 15 EX HMA SURF CSE
 - 16 EX HMA BASE CSE
 - 17 PR HMA SURF REM VARIABLE DEPTH
 - 18 PR 1 1/2" HMA SURF COURSE, MIX "D" N70
 - 18B PR 2" HMA SURF COURSE, MIX "D" N90
 - 19 PR HMA BASE COURSE 8 1/2"
 - 20 GRANULAR EMBANKMENT SPECIAL
 - 20B SUBBASE GRANULAR MATERIAL 6 INCHES (SPECIAL)
 - 21 PR HMA SHLD, 8"
 - 22 PR AGG SHLD, TYPE B 8"
 - 22B PR AGG SHLD, TYPE B
 - 23 PR SUB-BASE GRAN MATERIAL, TYPE C (AGG WEDGE)
 - 24 PR AREA REFLECTIVE CRACK CONTROL TREATMENT
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FILE NAME =	USER NAME = jrg	DESIGNED - JRG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE PR TYPICAL SECTIONS			RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T:\Client\SAUGET\7313-10-3A Hog Hollow Loop STP\LD0_7313-10-3A\dwg\FINAL 12-06-2012.dwg	7313-10-3 TYPICAL SECTIONS 6-27-2012.dwg	DRAWN - CRO	REVISED -		SCALE: N/A	SHEET NO. 3 OF 9 SHEETS	STA. 51+00 TO STA. 54+68.18	05-00012-00-PV	ST. CLAIR	65	9	
		CHECKED - JRG	REVISED -					CONTRACT NO. 97485				
		DATE - 6-28-2012	REVISED -					ILLINOIS FEDERAL AID PROJECT				

- NOTES:
- EX DEPTH BASED ONLY UPON RECORDED DRAWINGS.
 - AGGREGATE (PRIME COAT) AND BITUMINOUS MATERIALS (PRIME COAT) TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.

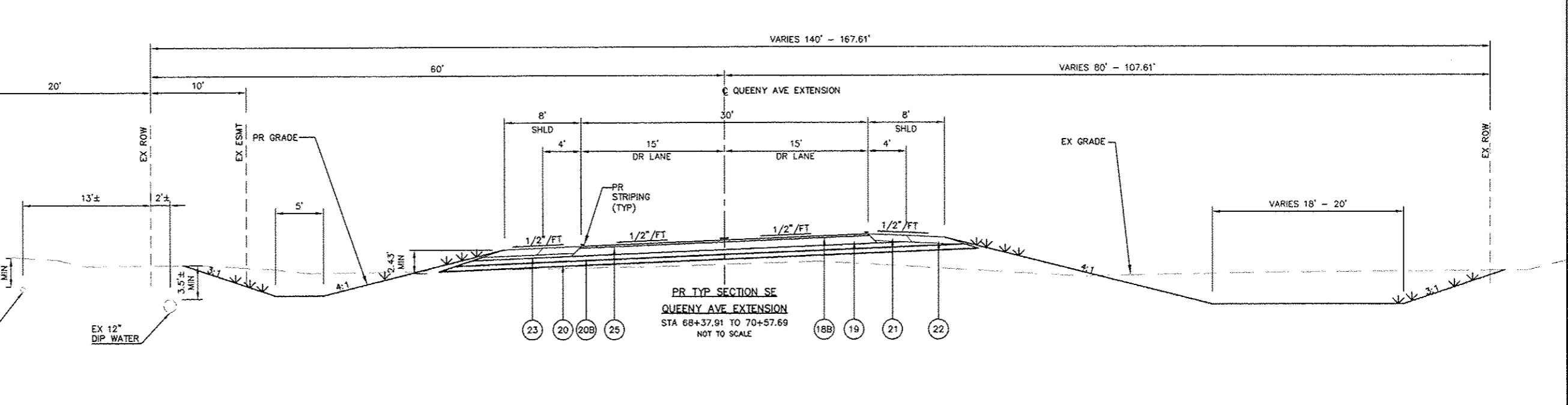
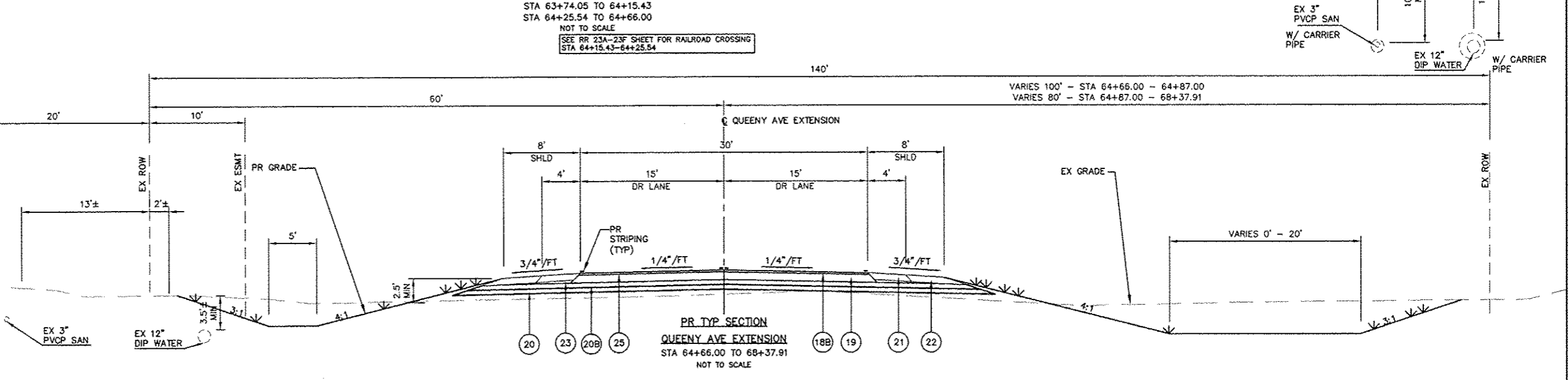
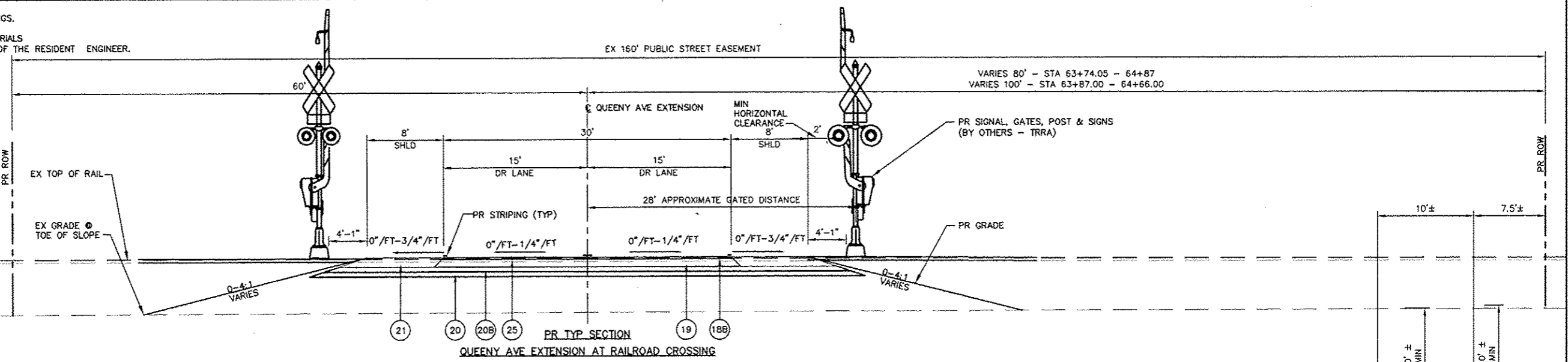
- EX 6" VERTICAL CONC CURB TO REMAIN
- EX CONC PVMT W HMA OVERLAY
- EX ASPH WEDGE TO BE REMOVED
- EX LEVELING BINDER (MACHINE METHOD) MIXTURE C, TYPE 2
- EX BIT CONC SURF CSE. MIX D, CLASS 1, TYPE 2
- EX HMA MATL (PRM CT)
- EX HMA SURF REM (COLD MILL) NOT USED
- EX HMA SHLD, (STOCKPILE EXCAVATED MATL FOR ITEM 9)
- EX GRADING AND SHAPING SHLD
- EX HMA SURF REM TO CONC BASE
- EX BINDER (MACH METH) MIX B, TYPE 2 (SEE SECTIONS)
- EX HMA SURF TREATMENT (COVER AND SEAL COATS), EX 9.5" W ASPH WALK
- EX AGG SHLD
- EX HMA SHLD
- EX HMA SURF CSE
- EX HMA BASE CSE
- PR HMA SURF REM VARIABLE DEPTH
- PR 1 1/2" HMA SURF COURSE, MIX "D" N70
- PR 2" HMA SURF COURSE, MIX "D" N80
- PR HMA BASE COURSE 8 1/2"
- GRANULAR EMBANKMENT SPECIAL
- SUBBASE GRANULAR MATERIAL 6 INCHES (SPECIAL)
- PR HMA SHLD, 8"
- PR AGG SHLD, TYPE B 8"
- PR AGG SHLD, TYPE B
- PR SUB-BASE GRAN MATERIAL, TYPE C (AGG WEDGE)
- PR AREA REFLECTIVE CRACK CONTROL TREATMENT
- PR AGG (PRIME COAT), BIT (PRIME COAT) APPLIED AT THE DISCRETION OF THE RE



FILE NAME =	USER NAME = Jpq	DESIGNED = JPG	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE PR TYPICAL SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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7313-10-3 TYPICAL SECTIONS 8-27-2012.dwg	PLLOT DATE = Nov 08, 2012 - 11:10AM	CHECKED = Jpq	REVISED =					CONTRACT NO. 97485				
		DATE = 8-28-2012	REVISED =					ILLINOIS FEDERAL AID PROJECT				

T:\Clients\SAUGE\7313-10-3A Hog Hollow Loop STP_LDD_7313-10-3A\dwg\810_11_2013\7313-10-3ex TYPICAL SECTIONS 6-27-2012.dwg, QUEENY PR TYP SHEET 5, 10/8/2013 3:49:26 PM, Adobe PDF

- NOTES:**
 1. EX DEPTH BASED ONLY UPON RECORDED DRAWINGS.
 2. AGGREGATE (PRIME COAT) AND BITUMINOUS MATERIALS (PRIME COAT) TO BE USED AT THE DISCRETION OF THE RESIDENT ENGINEER.
- 1 EX 6" VERTICAL CONC CURB TO REMAIN
 - 2 EX CONC PVMT W HMA OVERLAY
 - 3 EX ASPH WEDGE TO BE REMOVED
 - 4 EX LEVELING BINDER (MACHINE METHOD) MIXTURE C, TYPE 2
 - 5 EX BIT CONC SURF CSE, MIX D, CLASS 1, TYPE 2
 - 6 EX HMA MATL (PRM CT)
 - 7 EX HMA SURF REM (COLD MILL) **NOT USED**
 - 8 EX HMA SHLD, (STOCKPILE EXCAVATED MATL FOR ITEM 9)
 - 9 EX GRADING AND SHAPING SHLD
 - 10 EX HMA SURF REM TO CONC BASE
 - 11 EX BINDER (MACH METH) MIX B, TYPE 2 (SEE SECTIONS)
 - 12 EX HMA SURF TREATMENT (COVER AND SEAL COATS), EX 9.5' W ASPH WALK)
 - 13 EX AGG SHLD
 - 14 EX HMA SHLD
 - 15 EX HMA SURF CSE
 - 16 EX HMA BASE CSE
 - 17 PR HMA SURF REM VARIABLE DEPTH
 - 18 PR 1 1/2" HMA SURF COURSE, MIX "D" N70
 - 18B) PR 2" HMA SURF COURSE, MIX "D" N90
 - 19 PR HMA BASE COURSE 8 1/2"
 - 20 GRANULAR EMBANKMENT SPECIAL
 - 20B) SUBBASE GRANULAR MATERIAL B 6 INCHES (SPECIAL)
 - 21 PR HMA SHLD, 8"
 - 22 PR AGG SHLD, TYPE B 8"
 - 22B) PR AGG SHLD, TYPE B
 - 23 PR SUB-BASE GRAN MATERIAL, TYPE C (AGG WEDGE)
 - 24 PR AREA REFLECTIVE CRACK CONTROL TREATMENT
 - 25 PR AGG (PRIME COAT), BIT (PRIME COAT) APPLIED AT THE DISCRETION OF THE RE

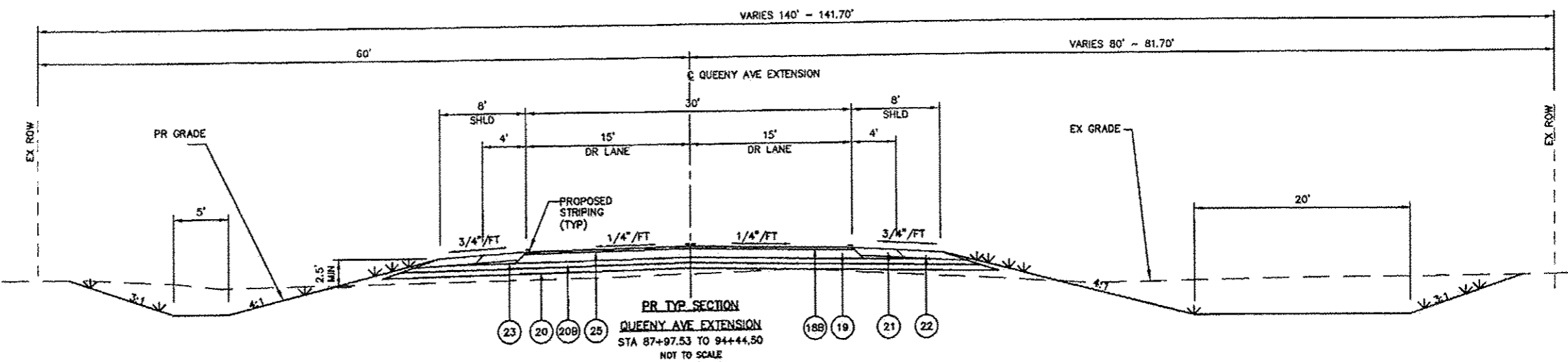
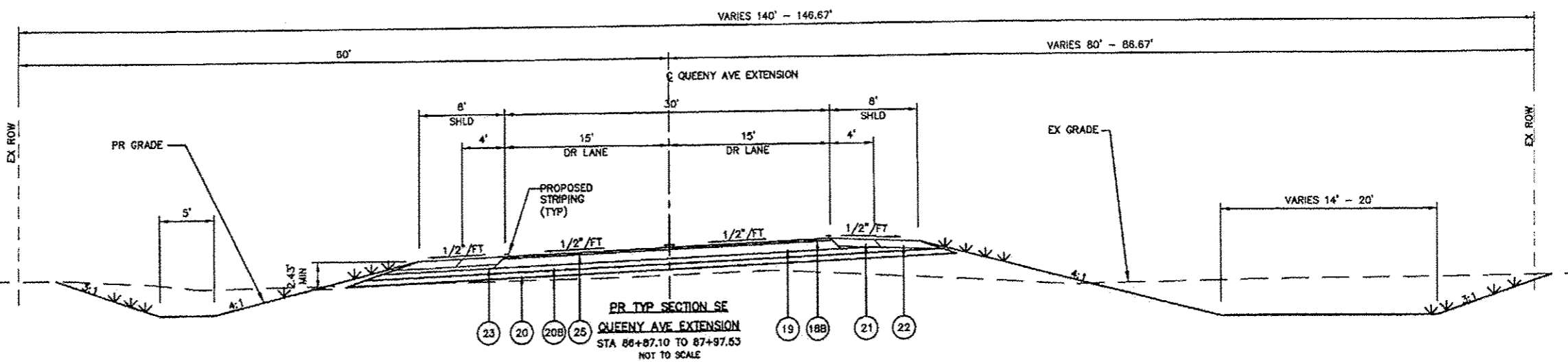
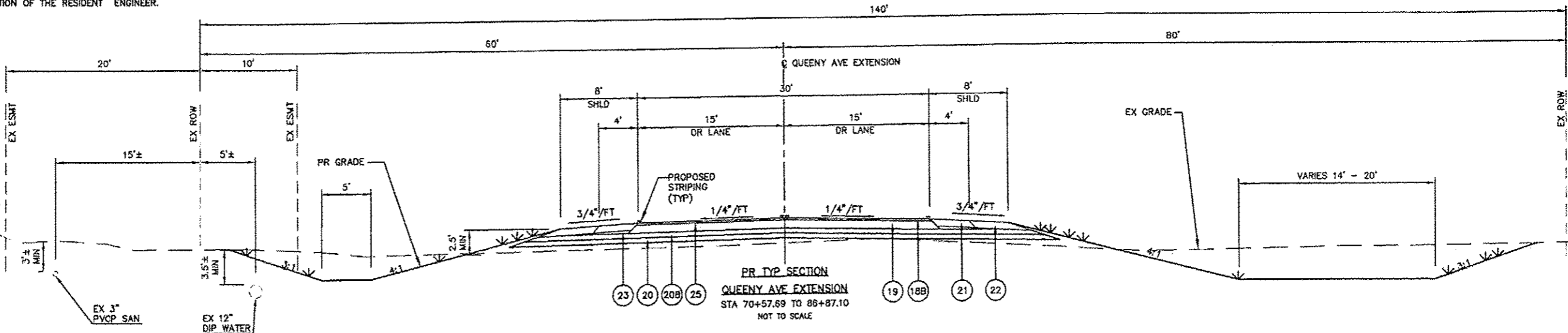


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PLOT DATE = Oct 08, 2013 3:49PM	DATE = 6-28-2012	CHECKED = JPG	REVISED =		CONTRACT NO. 97485						
		DATE = 6-28-2012	REVISED =		ILLINOIS FEDERAL AID PROJECT						

SCALE: N/A SHEET NO. 5 OF 9 SHEETS STA. 63+74.05 TO STA. 70+57.69

- NOTES:
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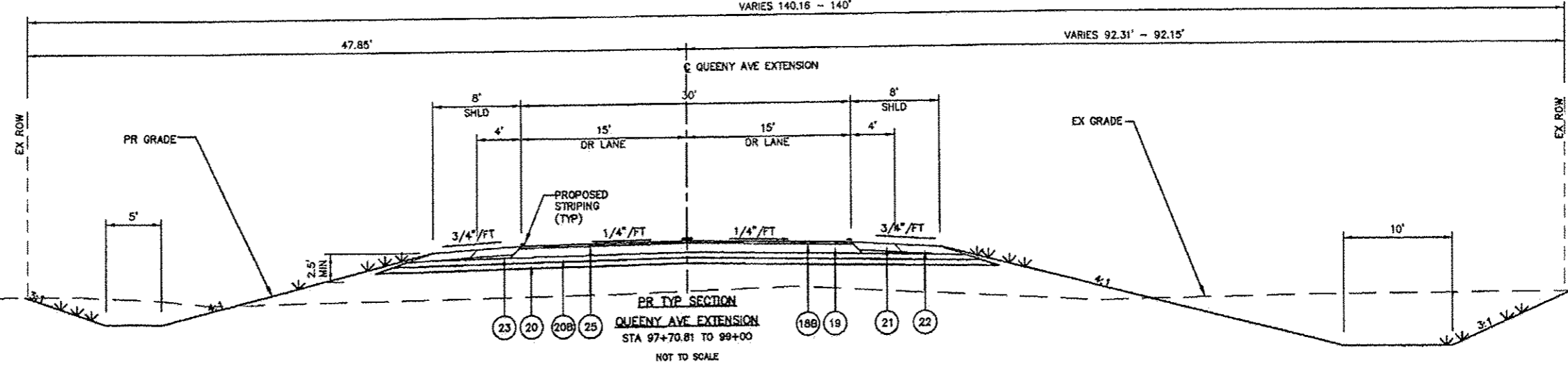
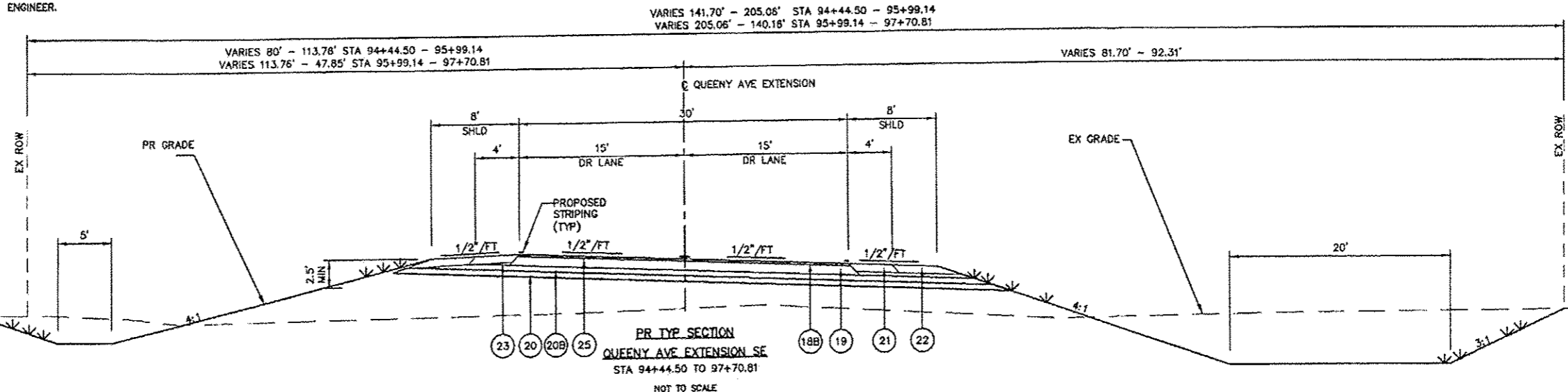
- 1 EX 6" VERTICAL CONC CURB TO REMAIN
- 2 EX CONC PVMT W HMA OVERLAY
- 3 EX ASPH WEDGE TO BE REMOVED
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- 5 EX BIT CONC SURF CSE, MIX D, CLASS 1, TYPE 2
- 6 EX HMA MATL (PRM CT)
- 7 EX HMA SURF REM (COLD MILL) NOT USED
- 8 EX HMA SHLD, (STOCKPILE EXCAVATED MATL FOR ITEM 9)
- 9 EX GRADING AND SHAPING SHLD
- 10 EX HMA SURF REM TO CONC BASE
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- 13 EX AGG SHLD
- 14 EX HMA SHLD
- 15 EX HMA SURF CSE
- 16 EX HMA BASE CSE
- 17 PR HMA SURF REM VARIABLE DEPTH
- 18 PR 1 1/2" HMA SURF COURSE, MIX "D" N70
- 18B PR 2" HMA SURF COURSE, MIX "D" N90
- 19 PR HMA BASE COURSE 8 1/2"
- 20 GRANULAR EMBANKMENT SPECIAL
- 20B SUBBASE GRANULAR MATERIAL 6 INCHES (SPECIAL)
- 21 PR HMA SHLD, 8"
- 22 PR AGG SHLD, TYPE B 8"
- 22B PR AGG SHLD, TYPE B
- 23 PR SUB-BASE GRAN MATERIAL, TYPE C (AGG WEDGE)
- 24 PR AREA REFLECTIVE CRACK CONTROL TREATMENT
- 25 PR AGG (PRIME COAT), BIT (PRIME COAT) APPLIED AT THE DISCRETION OF THE RE



FILE NAME =	USER NAME = jpy	DESIGNED - JPG	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE PR TYPICAL SECTIONS		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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7313-10-3 TYPICAL SECTIONS 8-27-2012.dwg					CHECKED - JPG	CONTRACT NO. 97485		ILLINOIS FEDERAL AID PROJECT			
PLOT SCALE =					DATE - 8-28-2012	SCALE: N/A	SHEET NO. 6 OF 9 SHEETS	STA. 70+57.69 TO STA. 94+44.50			

NOTES:

1. EX DEPTH BASED ONLY UPON RECORDED DRAWINGS.
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- 14 EX HMA SHLD
- 15 EX HMA SURF CSE
- 16 EX HMA BASE CSE
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FILE NAME =	USER NAME = jpg	DESIGNED = JPG	REVISED =
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7313-10-3 TYPICAL SECTIONS 6-27-2012.dwg		CHECKED = JPG	REVISED =
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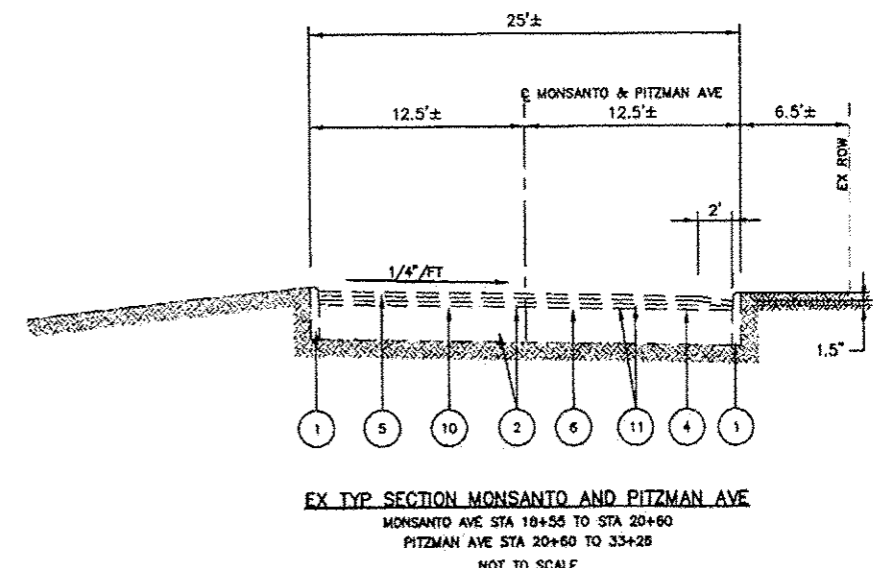
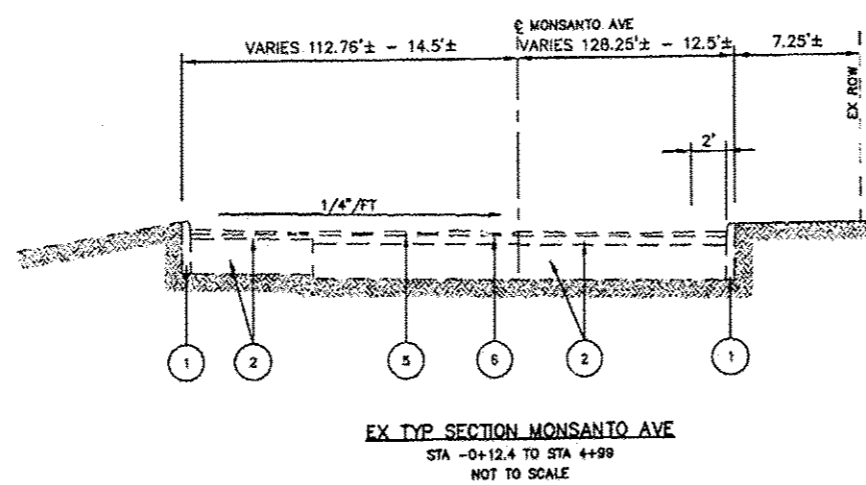
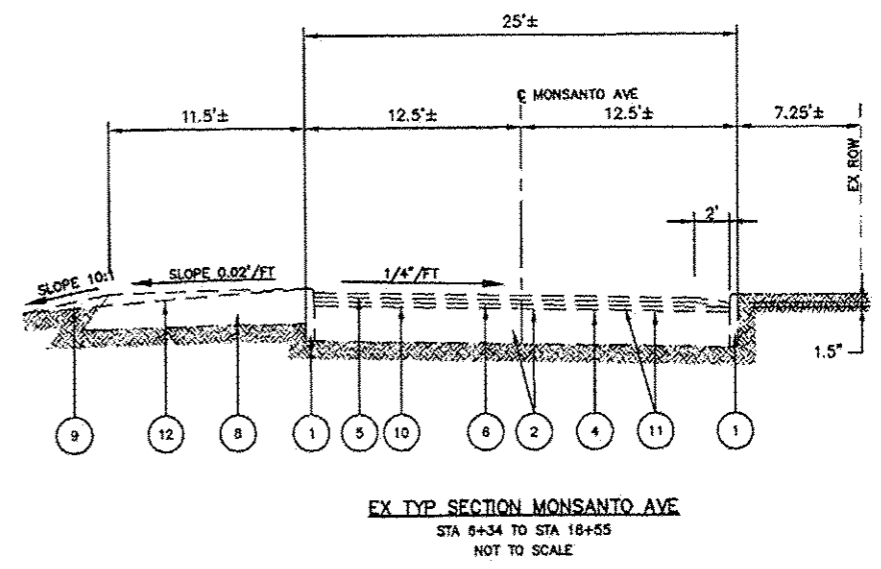
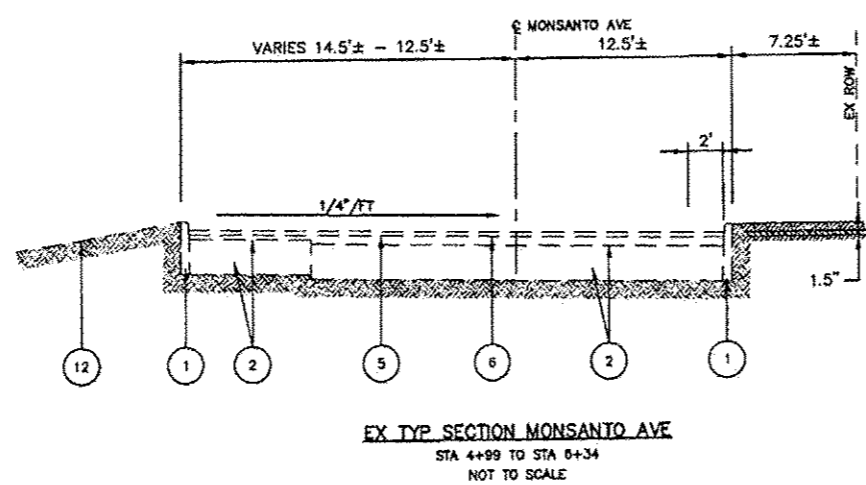
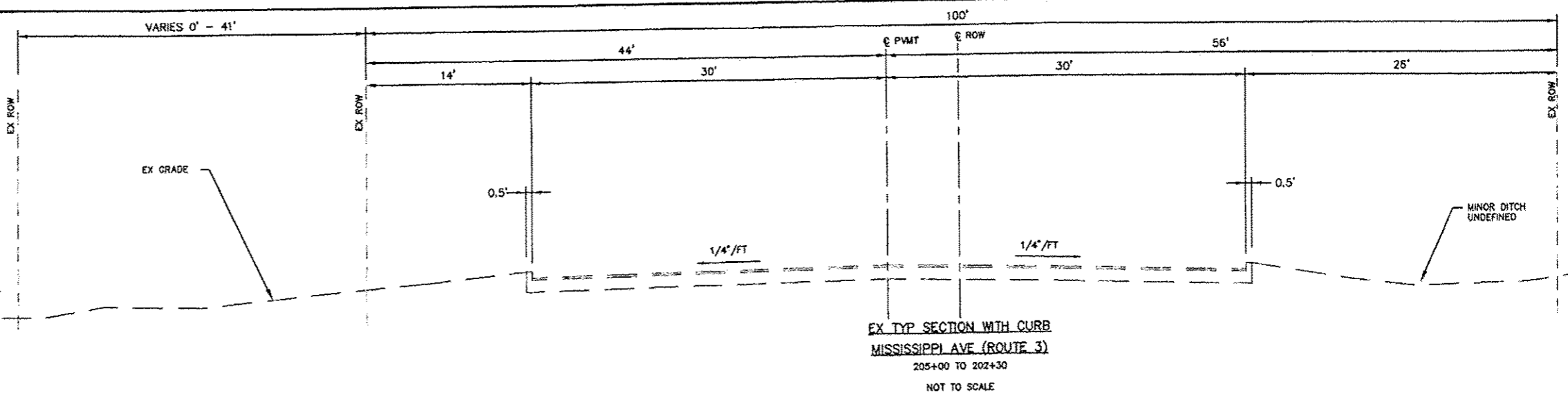
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE PR TYPICAL SECTIONS	
SCALE: N/A	SHEET NO. 7 OF 9 SHEETS
STA. 94+44.50	TO STA. 154+00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	13
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

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- 17 PR HMA SURF REM VARIABLE DEPTH
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- 18B PR 2" HMA SURF COURSE, MIX "D" N90
- 19 PR HMA BASE COURSE @ 1/2"
- 20 GRANULAR EMBANKMENT SPECIAL
- 20B SUBBASE GRANULAR MATERIAL @ 6 INCHES (SPECIAL)
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		DATE - 6-28-2012	REVISED -

DESIGNED - JPG	REVISED -
DRAWN - CRO	REVISED -
CHECKED - JPG	REVISED -
DATE - 6-28-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MONSANTO AVE AND PITZMAN AVE
EXISTING TYPICAL SECTIONS**

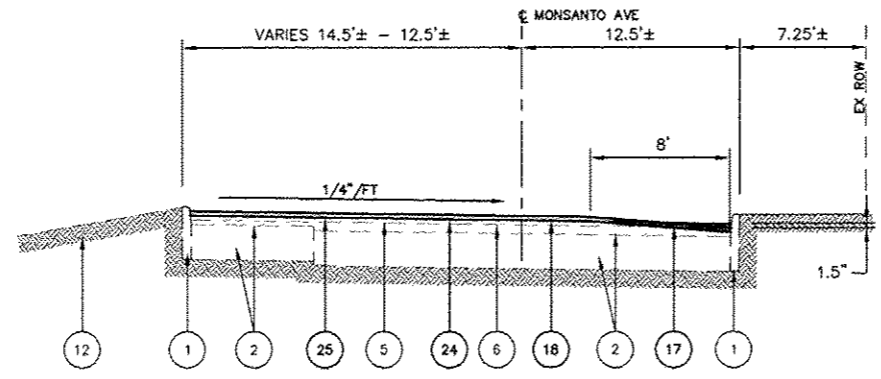
SCALE: N/A SHEET NO. 8 OF 9 SHEETS STA. 0+00 TO STA. 33+26

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

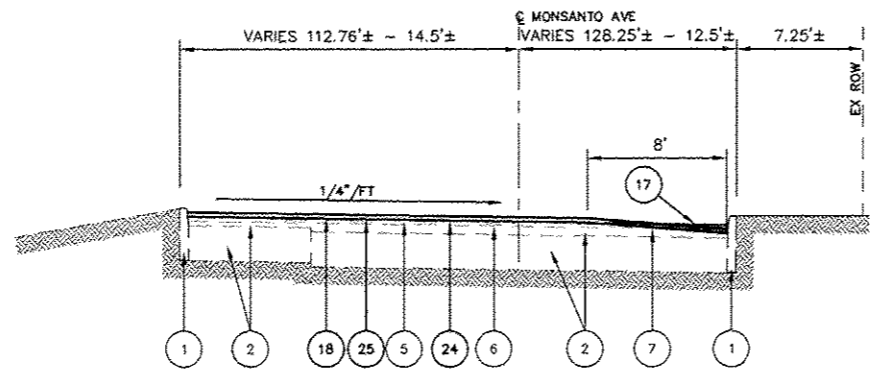
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- NOTES:**
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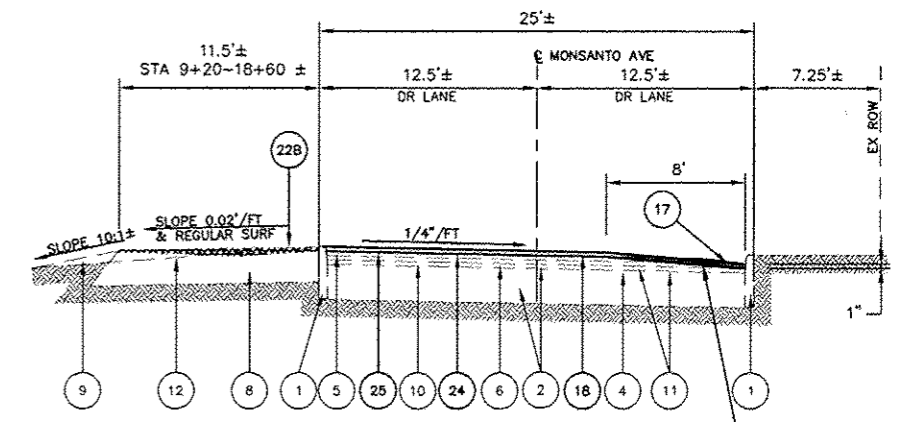
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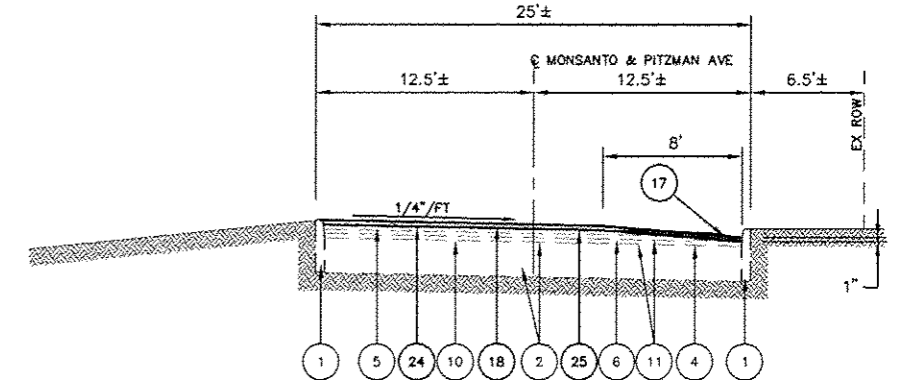
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 STA 4+99 TO STA 6+34
 NOT TO SCALE



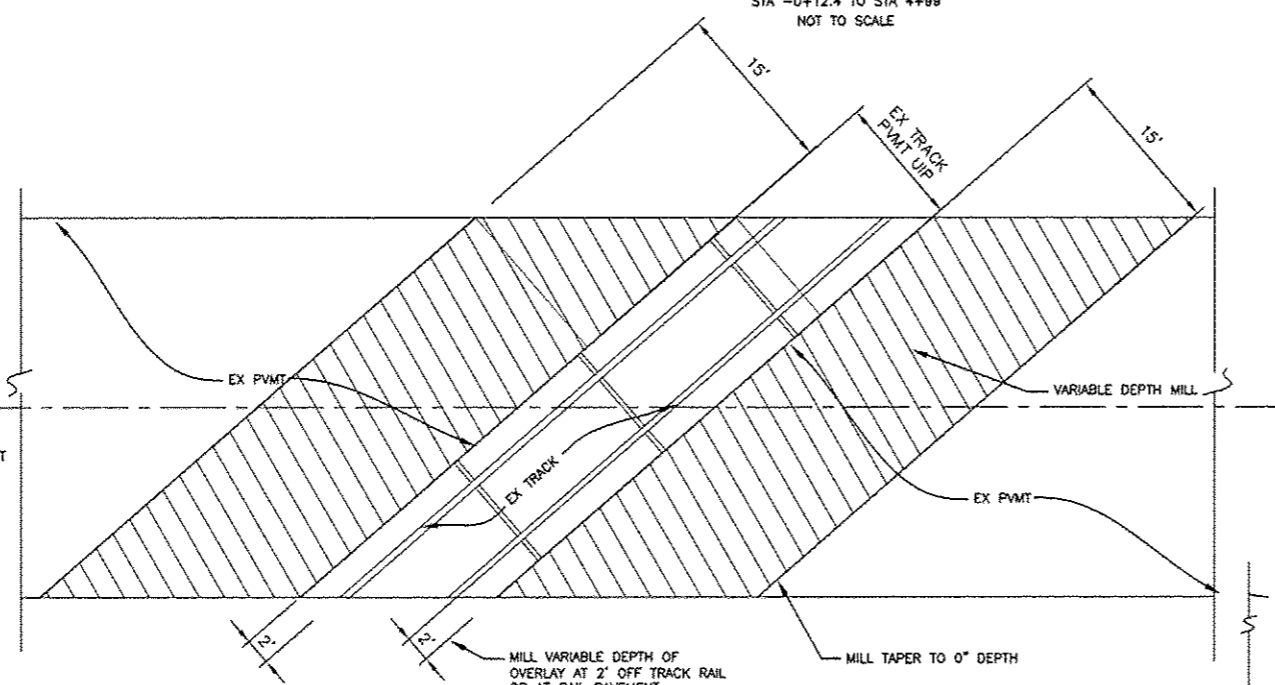
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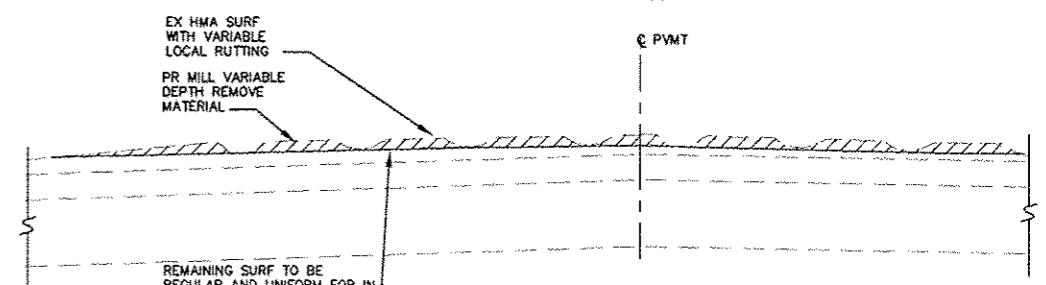
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 STA 6+34 TO STA 18+55
 NOT TO SCALE



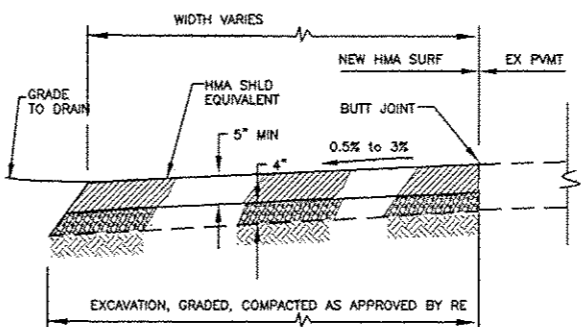
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 MONSANTO AVE STA 18+55 TO STA 20+60
 PITZMAN AVE STA 20+60 TO STA 33+26
 NOT TO SCALE



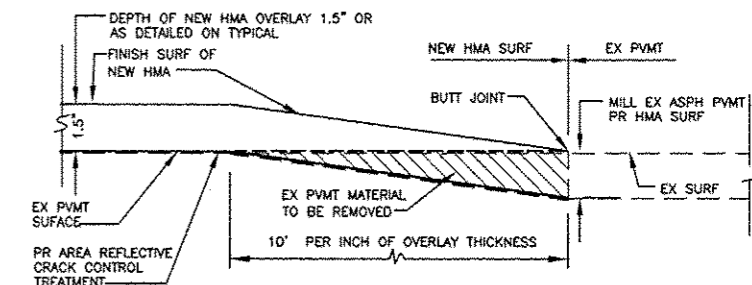
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 STA 7+39.9 TO STA 7+63.2
 STA 9+61 TO STA 9+76.1
 STA 9+84.1 TO STA 9+99.2
 STA 18+45.3 TO STA 18+60.9
 STA 18+69.3 TO STA 18+84.8
 STA 28+77.6 TO STA 29+89.1
 NOT TO SCALE



PR MILLING DETAIL - MONSANTO AVE
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 NOT TO SCALE



TEMPORARY HMA RAMP
 NOT TO SCALE



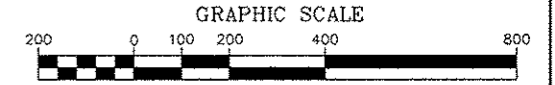
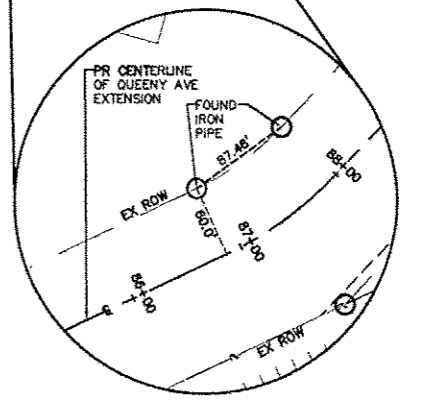
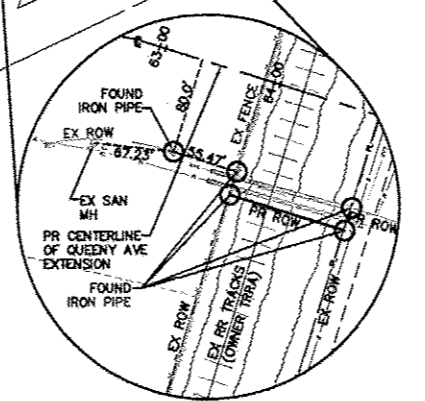
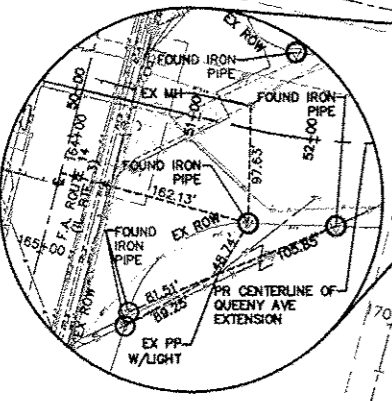
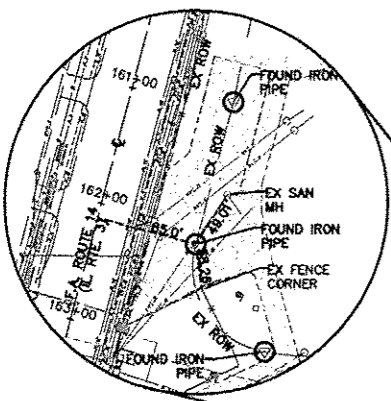
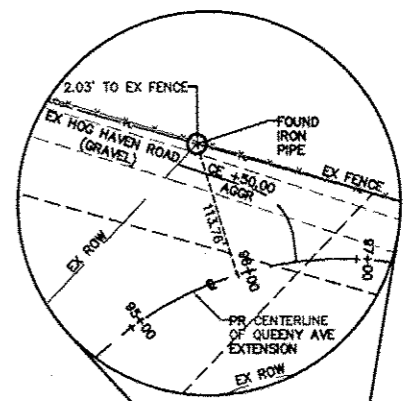
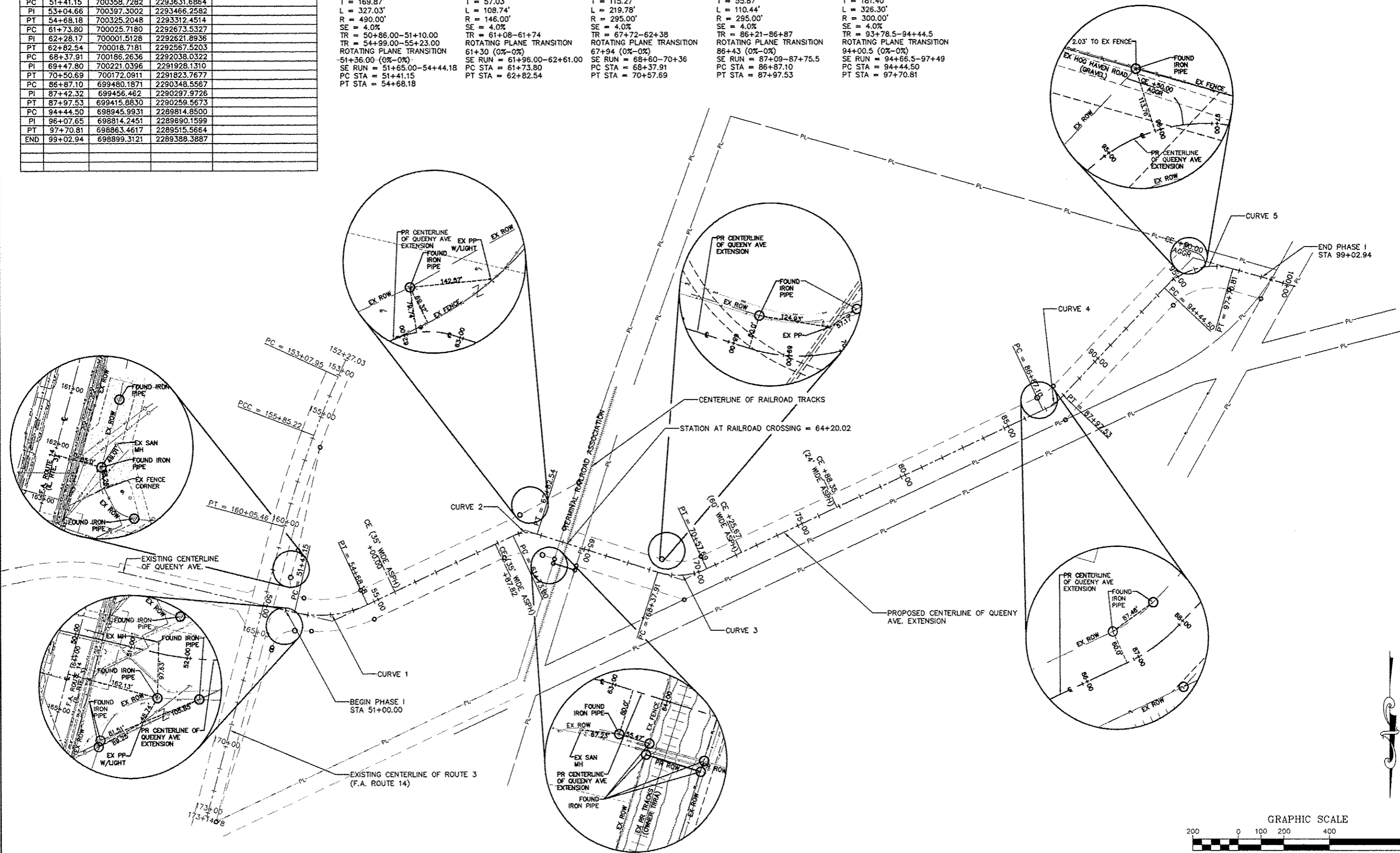
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 STA -0+12.4 TO STA 0+2.6
 STA 14+39.8 TO STA 1+50
 STA 7+04.3 TO STA 7+27.5
 STA 7+39.9 TO STA 7+63.2
 STA 9+61 TO STA 9+76.1
 STA 18+45.3 TO STA 18+60.9
 STA 18+69.3 TO STA 18+84.8
 STA 19+22.1 TO STA 19+58.9
 STA 28+77.6 TO STA 28+92.7
 STA 29+74.1 TO STA 29+89.1
 STA 9+84.1 TO STA 9+99.2
 NOT TO SCALE

FILE NAME =	USER NAME = jpg	DESIGNED - JPG	REVISED - 10-11-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MONSANTO AVE AND PITZMAN AVE PR TYPICAL SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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	PLOT SCALE =	CHECKED - JPG	REVISED -					CONTRACT NO. 97485				
	PLOT DATE = Oct 08, 2013 - 10:03AM	DATE - 6-28-2012	REVISED -					ILLINOIS FEDERAL AID PROJECT				

T:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP_LDD_7313-10-3A\dwg\10-11_2013\7313-10-3 HORIZONTAL CONTROL PLAN.dwg, HORIZONTAL CONTROL PLAN, 10/16/2013 3:50:55 PM, Adobe PDF

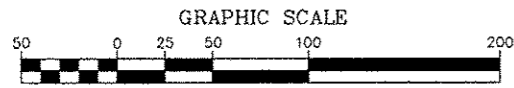
PROPOSED QUEENY AVE. EXTENSION CENTERLINE COORDINATES			
STATION	NORTHING	EASTING	
BEGIN	50+00.00	700326.6766	2293769.1500
PC	51+41.15	700358.7282	2293631.6864
PI	53+04.66	700397.3002	2293466.2582
PT	54+68.18	700325.2048	2293312.4514
PC	61+73.80	700025.7180	2292673.5327
PI	62+28.17	700001.5128	2292621.8936
PT	62+82.54	700018.7181	2292567.5203
PC	68+37.91	700186.2636	2292038.0322
PI	69+47.80	700221.0396	2291928.1310
PT	70+50.69	700172.0911	2291823.7677
PC	86+87.10	699480.1871	2290348.5567
PI	87+42.32	699456.462	2290297.9726
PT	87+97.53	699415.8830	2290259.5673
PC	94+44.50	698945.9931	2289814.8500
PI	96+07.65	698814.2451	2289690.1599
PT	97+70.81	698863.4617	2289515.5664
END	99+02.94	698899.3121	2289388.3887

CURVE 1	CURVE 2	CURVE 3	CURVE 4	CURVE 5
PI 53+04.66	PI 62+28.17	PI 69+47.80	PI 87+42.32	PI 96+07.65
PC 51+41.15	PC 61+73.80	PC 68+37.91	PC 86+87.10	PC 94+44.50
PT 54+68.18	PT 62+82.54	PT 70+57.69	PT 87+97.53	PT 97+70.81
$\Delta = 38^{\circ}14'21''$	$\Delta = 42^{\circ}40'24''$	$\Delta = 42^{\circ}41'11''$	$\Delta = 21^{\circ}26'56''$	$\Delta = 62^{\circ}19'09''$
T = 169.87'	T = 57.03'	T = 115.27'	T = 55.87'	T = 181.40'
L = 327.03'	L = 108.74'	L = 219.78'	L = 110.44'	L = 326.30'
R = 490.00'	R = 146.00'	R = 295.00'	R = 295.00'	R = 300.00'
SE = 4.0%	SE = 4.0%	SE = 4.0%	SE = 4.0%	SE = 4.0%
TR = 50+86.00-51+10.00	TR = 61+08-61+74	TR = 67+72-62+38	TR = 86+21-86+87	TR = 93+78.5-94+44.5
TR = 54+99.00-55+23.00	TR = 61+30 (0%-0%)	TR = 67+94 (0%-0%)	TR = 86+43 (0%-0%)	TR = 94+00.5 (0%-0%)
ROTATING PLANE TRANSITION	ROTATING PLANE TRANSITION	ROTATING PLANE TRANSITION	ROTATING PLANE TRANSITION	ROTATING PLANE TRANSITION
SE RUN = 51+65.00-54+44.18	SE RUN = 61+96.00-62+61.00	SE RUN = 68+60-70+36	SE RUN = 87+09-87+75.5	SE RUN = 94+66.5-97+49
PC STA = 51+41.15	PC STA = 61+73.80	PC STA = 68+37.91	PC STA = 86+87.10	PC STA = 94+44.50
PT STA = 54+68.18	PT STA = 62+82.54	PT STA = 70+57.69	PT STA = 87+97.53	PT STA = 97+70.81



FILE NAME = T:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP_LDD_7313-10-3A\dwg\10-11_2013\7313-10-3 HORIZONTAL CONTROL PLAN.dwg	USER NAME = jpg	DESIGNED = JCP	REVISED =	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ROUTE 3 & QUEENY AVE EXTENSION HORIZONTAL CONTROL & 3-POINT TIE PLAN			
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PLOT DATE = Oct 16, 2013 - 3:50PM	DATE = 6-28-2012	REVISED =						
ILLINOIS FEDERAL AID PROJECT								

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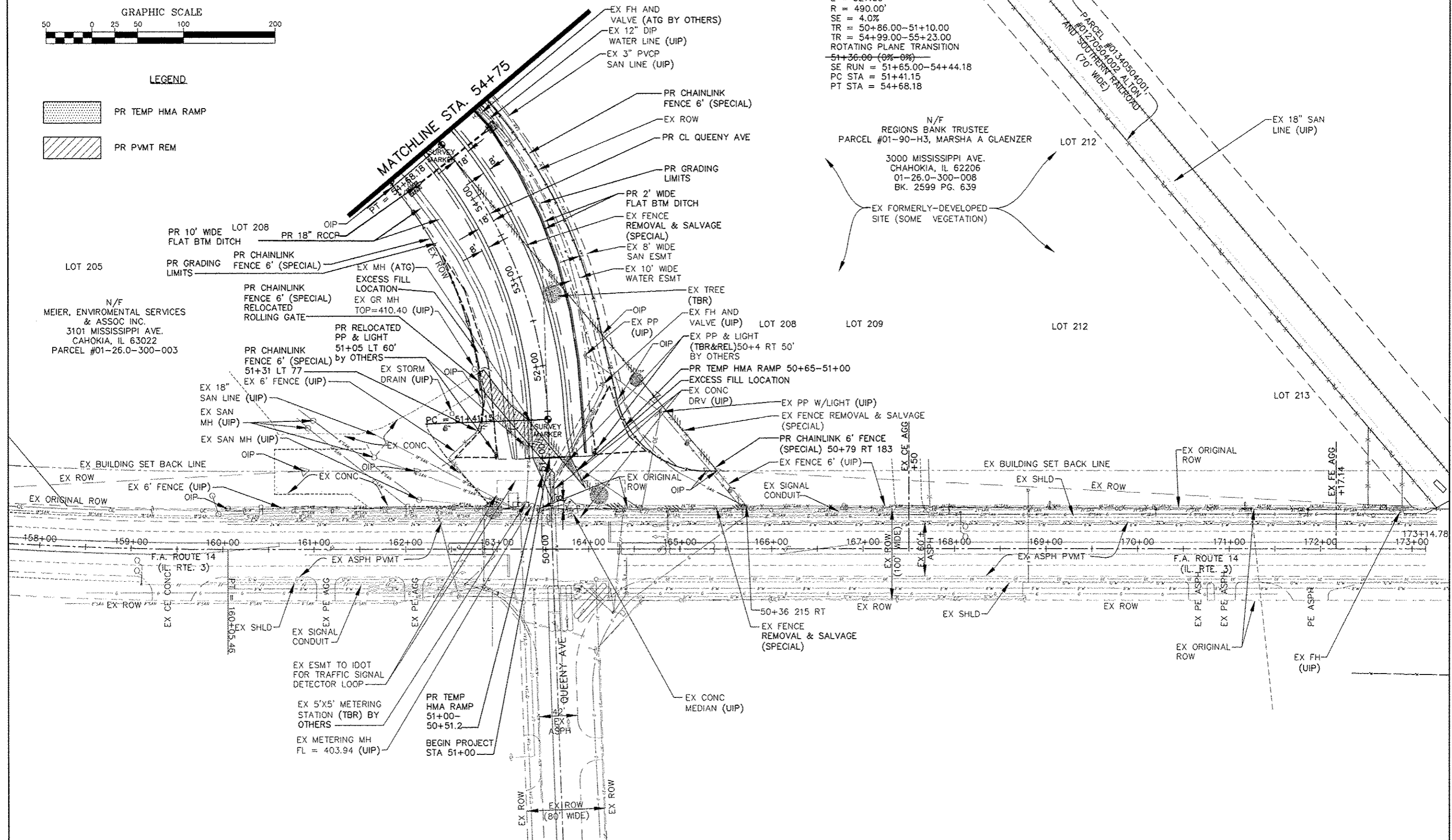


LEGEND

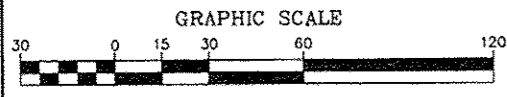
- PR TEMP HMA RAMP
- PR PVMT REM

EXCESS FILL IS TO REMAIN WITHIN THE RIGHT OF WAY. RE IS TO DIRECT PLACEMENT OF FILL IN NEAR AREAS. PLANS NOTE AREA WHERE FILL MAY BE OF USE.

CURVE 1
 PI 53+04.66
 PC 51+41.15
 PT 54+68.18
 $\Delta = 38^{\circ}14'21''$
 T = 169.87'
 L = 327.03'
 R = 490.00'
 SE = 4.0%
 TR = 50+86.00-51+10.00
 TR = 54+99.00-55+23.00
 ROTATING PLANE TRANSITION
 51+36.00 (0% - 0%)
 SE RUN = 51+65.00-54+44.18
 PC STA = 51+41.15
 PT STA = 54+68.18

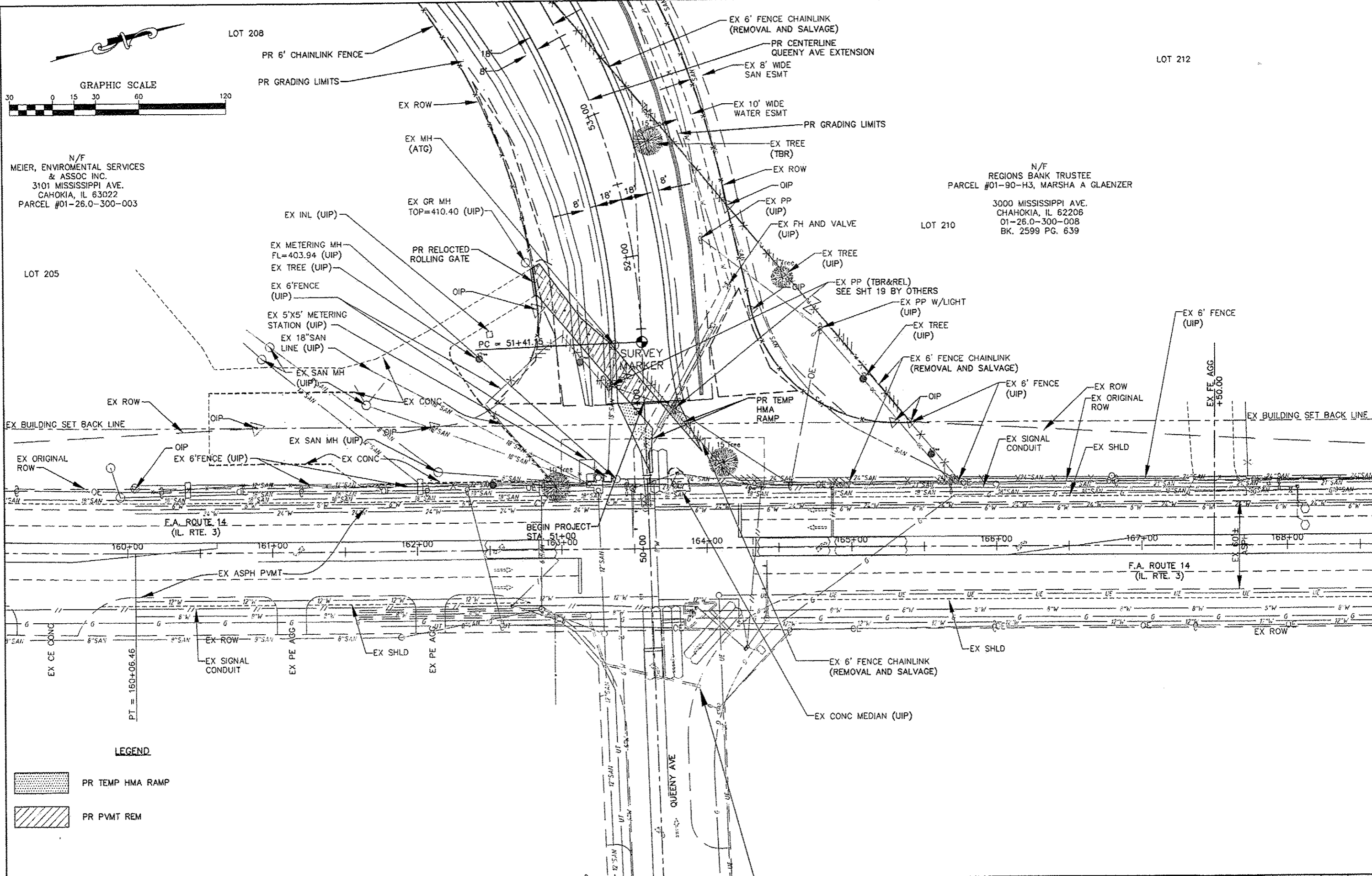


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PLOT DATE = Oct 08, 2013 - 10:11AM		DATE - 6-28-2012	REVISED -			ILLINOIS FEDERAL AID PROJECT					
SCALE: 1" = 50' SHEET NO. 1 OF 10 SHEETS STA. 158+00 TO STA. 173+14.78											



N/F
MEIER, ENVIRONMENTAL SERVICES
& ASSOC INC.
3101 MISSISSIPPI AVE.
CHAMOKIA, IL 62022
PARCEL #01-26.0-300-003

N/F
REGIONS BANK TRUSTEE
PARCEL #01-90-H3, MARSHA A GLAENZER
3000 MISSISSIPPI AVE.
CHAMOKIA, IL 62208
01-26.0-300-008
BK. 2599 PG. 639



LEGEND

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	PR PVMT REM

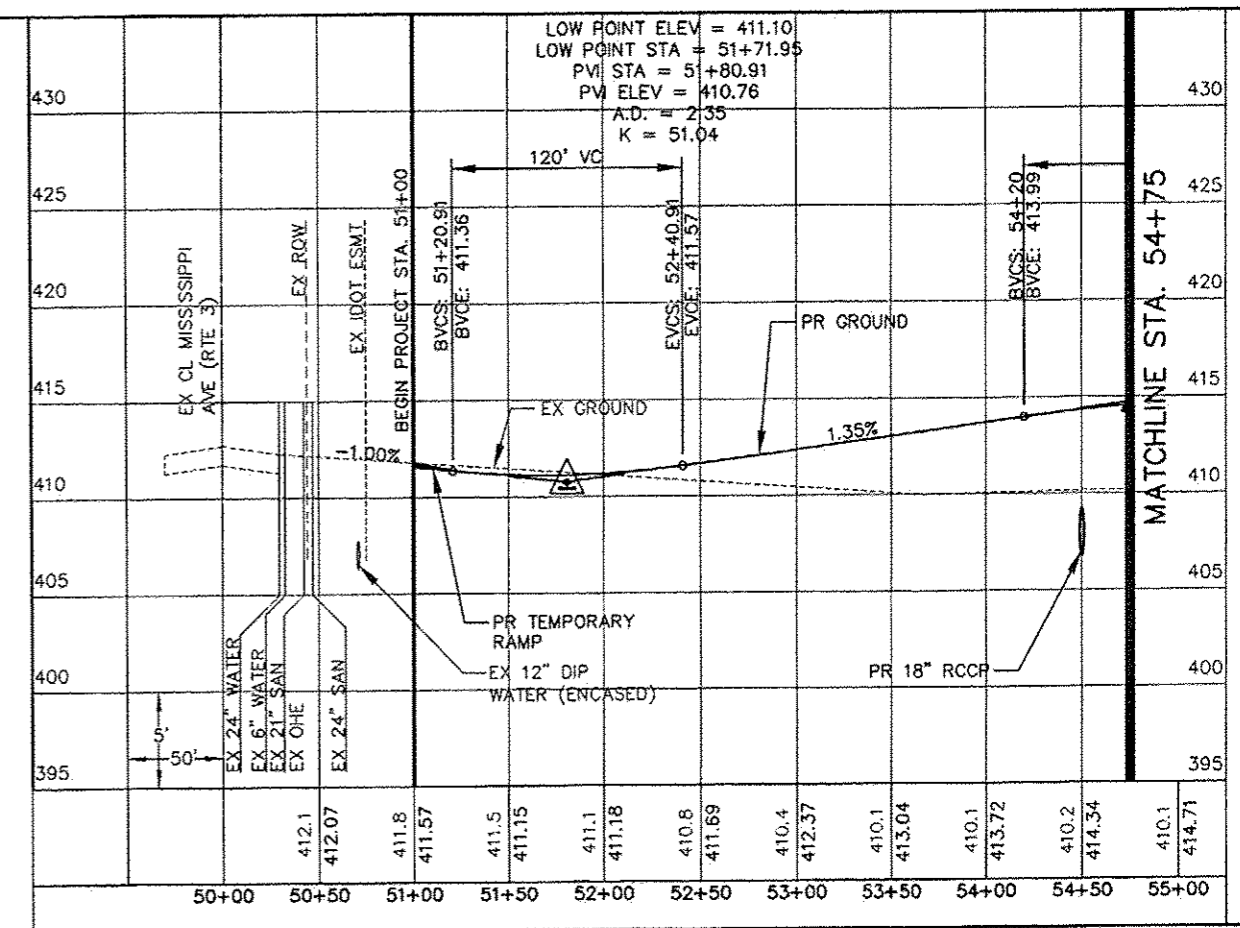
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		CHECKED -- JPG	REVISED --
		DATE -- 6-28-2012	REVISED --

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE EXTENSION PLAN -- ENLARGED PLAN

SCALE: 1" = 30' SHEET NO. 2 OF 10 SHEETS STA. 158+00 TO STA. 173+14.78

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	20
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				



NOTE:
 BEGIN PROJECT - STA. 51+00.00

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PLOT DATE = Jun 21, 2013 - 3:28PM			

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

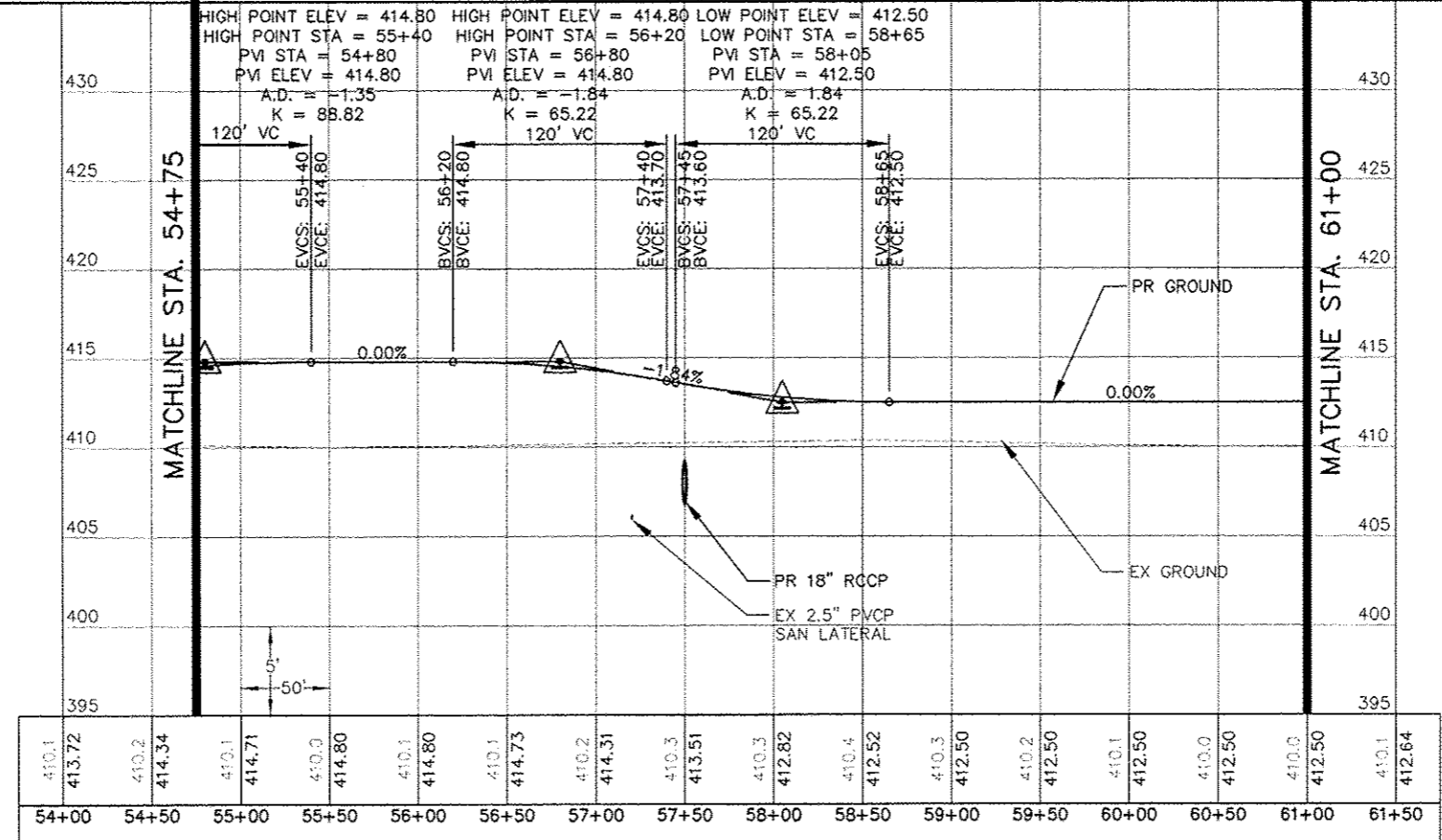
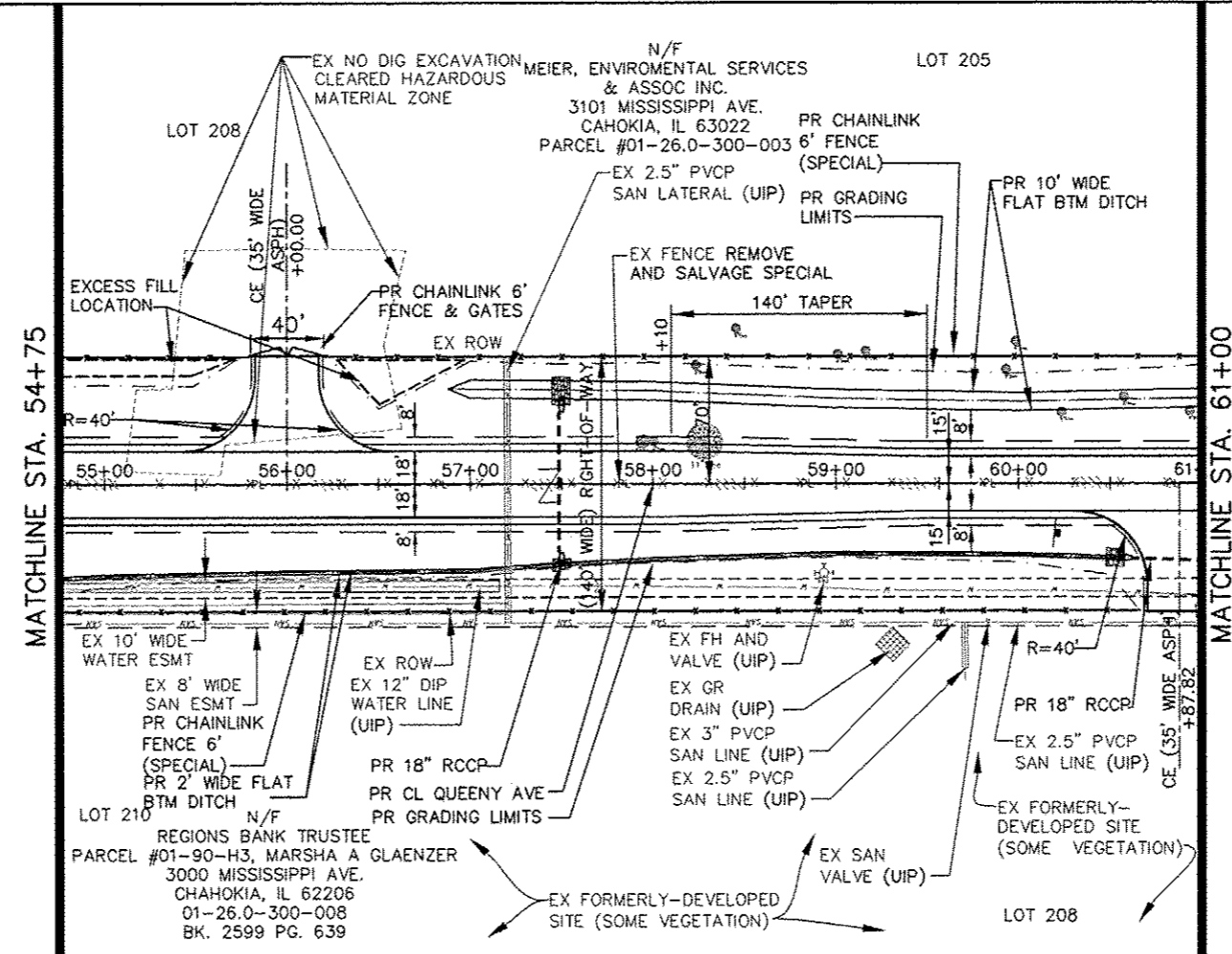
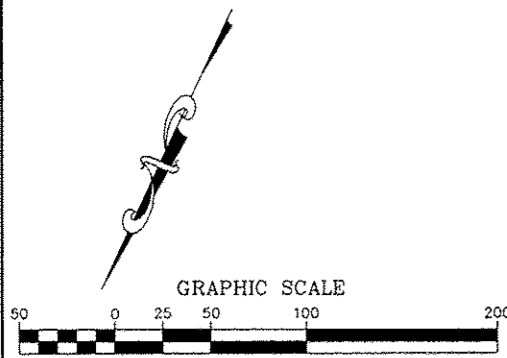
QUEENY AVE EXTENSION PROFILE

SCALE: 1" = 50' SHEET NO. 3 OF 10 SHEETS STA. 158+50 TO STA. 173+14.78

RTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

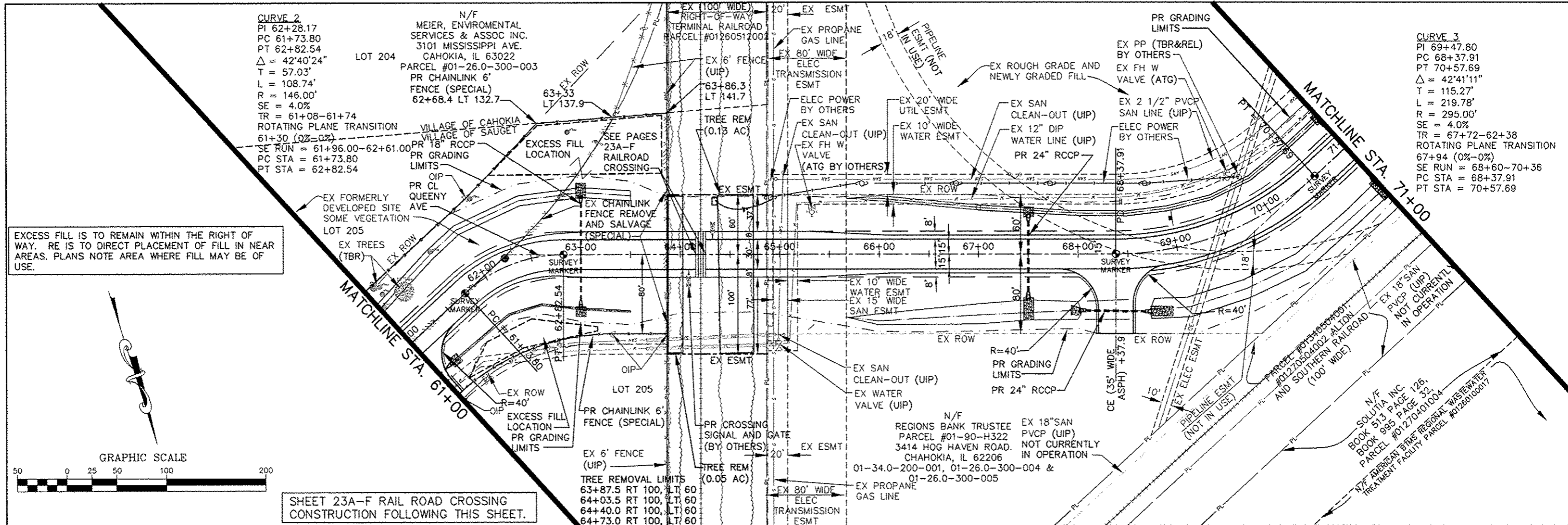
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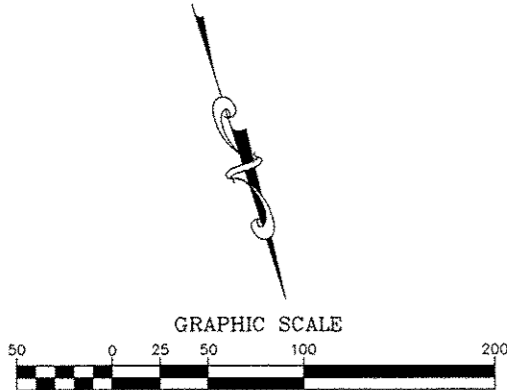


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		CHECKED -- JPG	REVISED --		SHEET NO. 4 OF 10 SHEETS			CONTRACT NO. 97485		ILLINOIS FEDERAL AID PROJECT		
		DATE -- 6-28-2012	REVISED --		STA. 54+75 TO STA. 61+00							

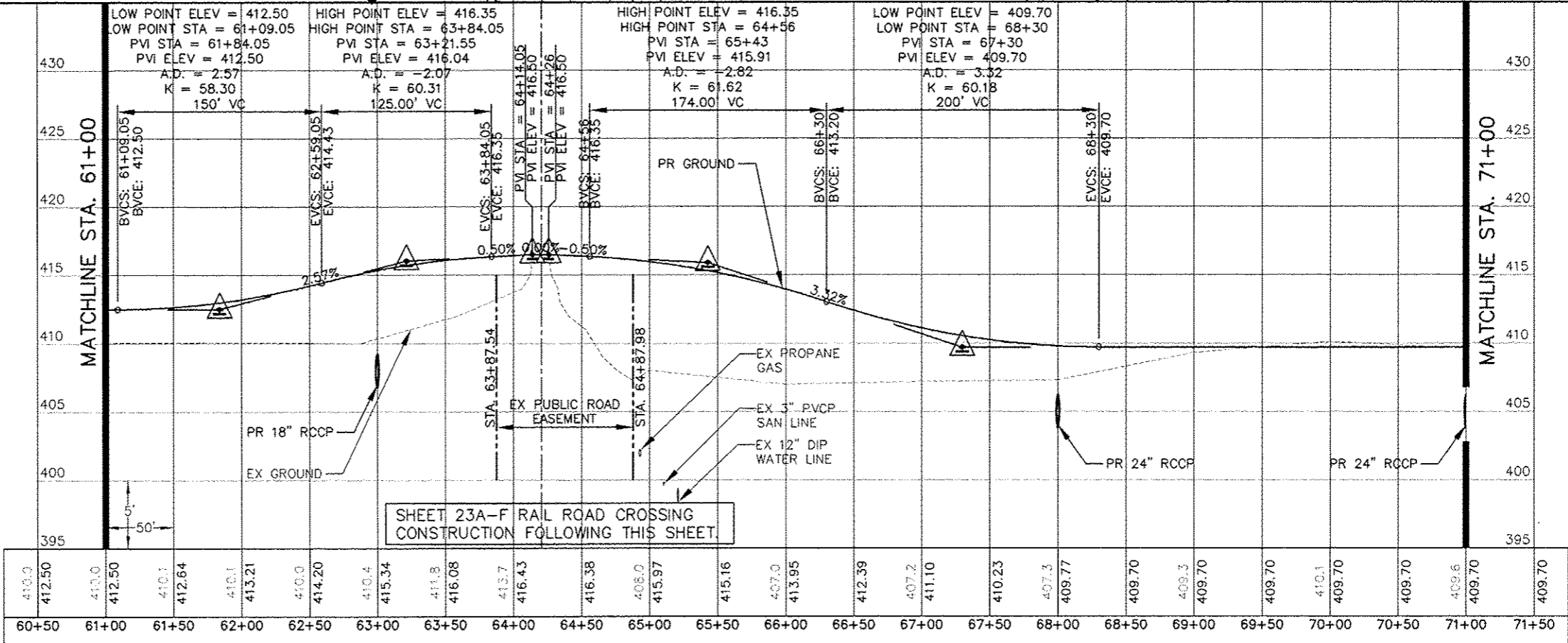
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EXCESS FILL IS TO REMAIN WITHIN THE RIGHT OF WAY. RE IS TO DIRECT PLACEMENT OF FILL IN NEAR AREAS. PLANS NOTE AREA WHERE FILL MAY BE OF USE.



SHEET 23A-F RAIL ROAD CROSSING CONSTRUCTION FOLLOWING THIS SHEET.



SHEET 23A-F RAIL ROAD CROSSING CONSTRUCTION FOLLOWING THIS SHEET.

FILE NAME =	USER NAME = jgp	DESIGNED - JGP	REVISED - 6-21-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE EXTENSION PLAN AND PROFILE				RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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											CONTRACT NO. 97485		
											ILLINOIS FEDERAL AID PROJECT		

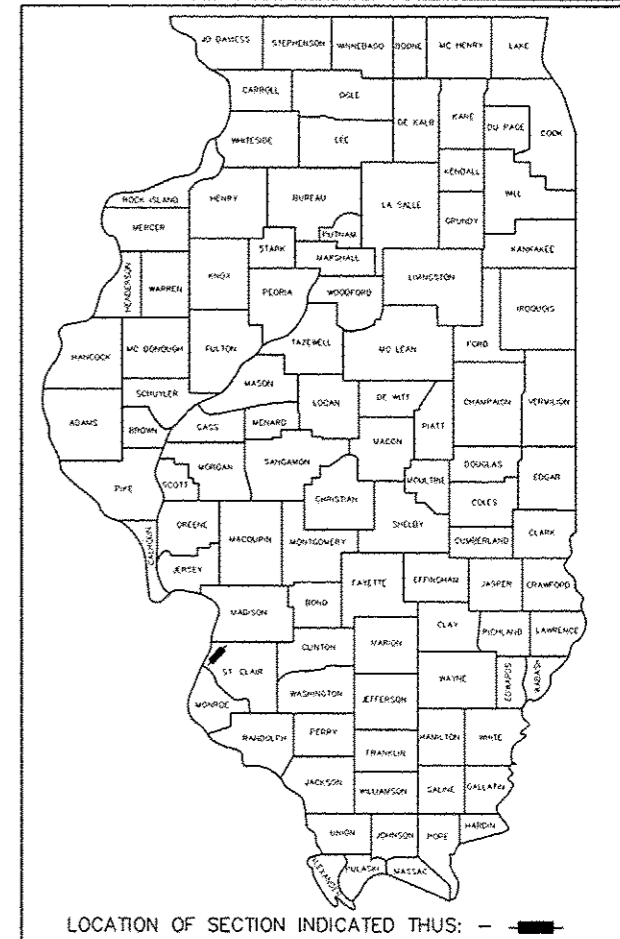
INDEX OF SHEETS

SHEET NO	TITLE
23A	COVER SHEET
23B	SECTIONS, DETAILS, NOTES
23 C-D	PLAN AND PROFILES
23 E-I	RAIL STANDARDS

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
FINAL PLANS
PLAN CROSSING REPLACEMENT
WITH SIGNAL
 VILLAGE OF SAUGET, ILLINOIS
 QUEENY AVENUE EXTENSION AND
 MONSANTO AVE TO PITZMAN AVE IMPROVEMENTS
 PROJECT NO. HPP-3581 (002)
 SECTION 05-00012-00-PV
 JOB NO. C-98-330-06

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
-	05-00012-00-PV	ST. CLAIR	65	23A

FEDERAL AID PROJECT ILLINOIS CONTRACT NO. 97485



LOCATION OF SECTION INDICATED THIS: —

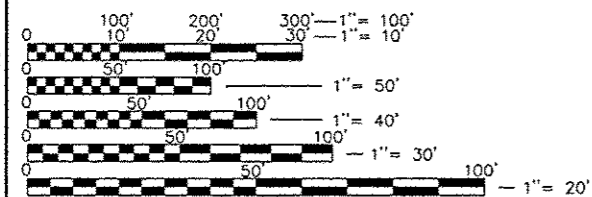
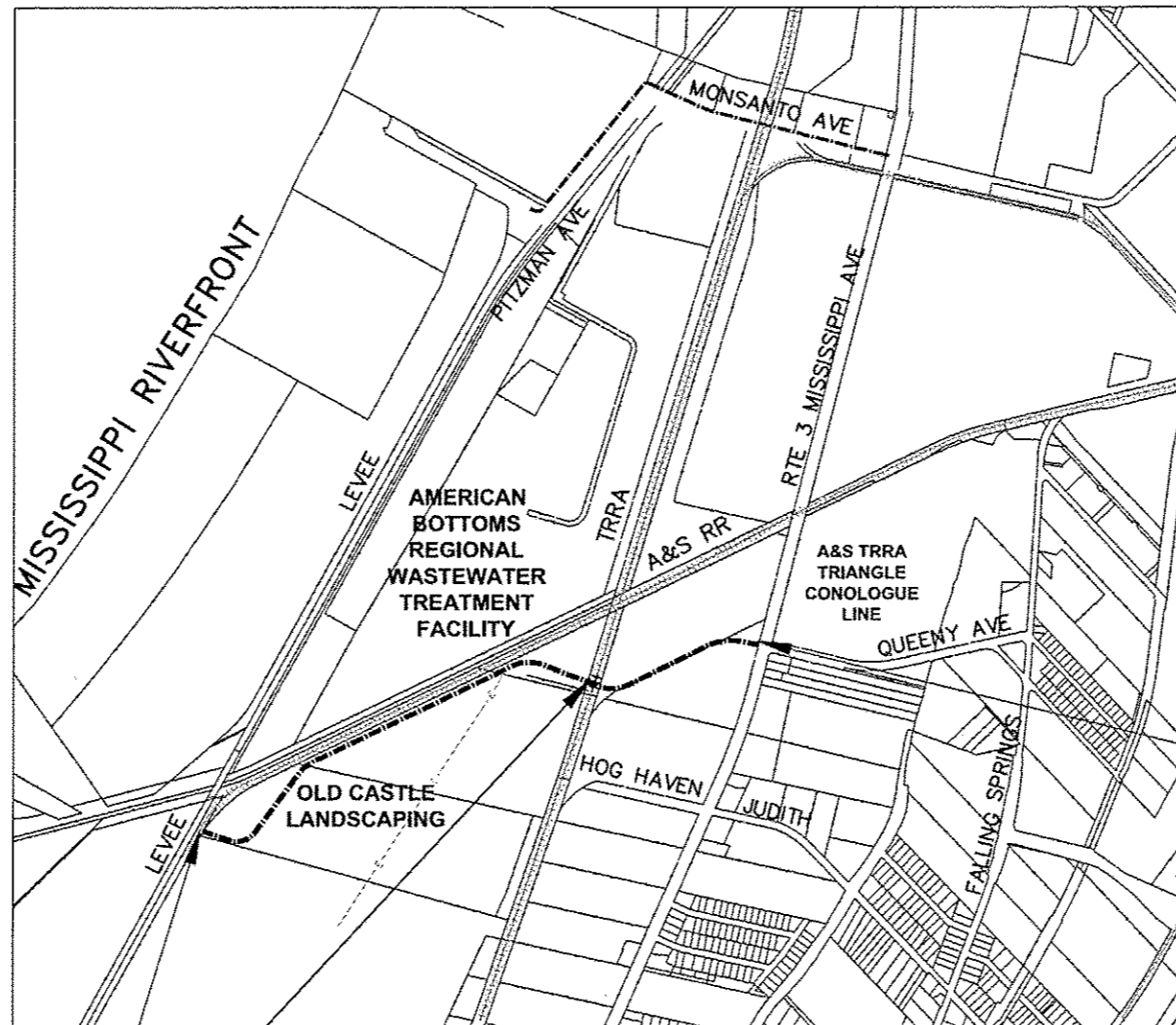
FUNCTIONAL CLASSIFICATION
 CLASSIFICATION COLLECTOR
 2012 ADT
 QUEENY AVE EXTENSION = 0

DESIGN YEAR 2032 ADT
 QUEENY AVE EXTENSION = 6,735

DESIGN SPEED
 QUEENY AVE EXTENSION = 25

P.V. 92% S.U., M.U. = 8%

TOWNSHIP 2 NORTH, RANGE 10 WEST SECTION 27, 1/4 SECTION: SE



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.

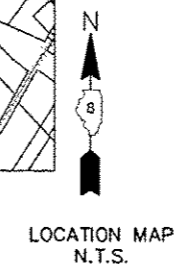
J.U.L.I.E.
 JOINT UTILITY LOCATION INFORMATION FOR EXCAVATION
 1-800-892-0123
 OR 811

END QUEENY AVE IMPROVEMENTS
 STA: 99+02.9
 RR IMPROVEMENT
 STA: 64+15.43-64+25.54

PROJECT LENGTH = 10.11 FT

TRRA NEW TRACK AT CROSSING
 NET
 78 FT

BEGIN QUEENY AVE IMPROVEMENTS
 STA: 51+00



AGGREEMENT WITH DESIGN

APPROVED November 8 2013

SIGNATURE (RAIL COMPANY REPRESENTATIVE)

Eric Fields, Chief Engineer

PRINTED (NAME AND TITLE)

WG Weis Design Group

1403 Nickell Dr
 Sauget, IL 62206
 (618) 874-0320
 phwa@phweis.com

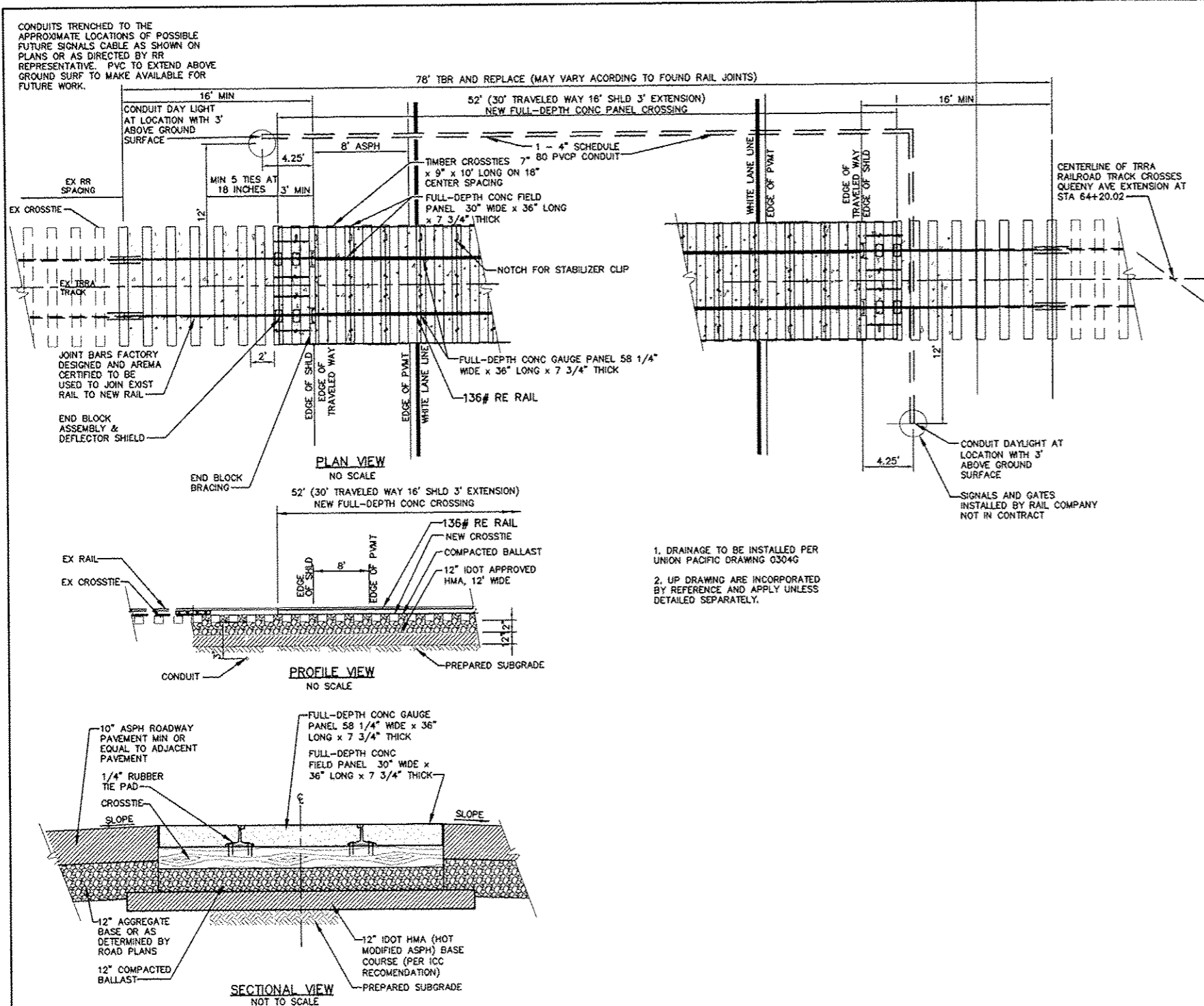
16296 Westwoods
 Business Park Dr.
 Ellisville, Mo. 63021
 (636) 207-0832
 f. (636) 207-0328

10/18/2013
 WDG PN: 7513-10-3

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RAILROAD CROSSING

The new crossing at Station 64+20 as to be constructed, and all work is to be approved by the railroad company, as such the following rail road contractors are considered pre-approved by the rail company. Upon the agreement of the general contractor and railroad, other contractors may be approved.

The pre-approved contractors are below:

- R J Corman Derailment Services LLC
8136 Bunkum Road
Caseyville, IL 62232
(618) 397-2810; 859-361-8176 Contact: Eddie Hickman
- MUSSELMAN & HALL CONTRACTORS, LLC
St. Louis Railroad Division
801 Westwood Industrial Park Dr. Weldon Spring, MO 63304 (314) 400-2246
- Iron Horse, Inc.
P. O. Box 152, Baldwin, IL 62217(618) 785-2221 FX (618) 785-2371
Contact D. Scott Jenkel, Vice President of Operations
- Rail Works Track Services.
4301 Bridgeton Industrial Drive, Bridgeton, MO 63044
(314) 291-2233 fx 291-2266 Contact Robert Rolf, P.E. Area Manager
- Chester Cross Construction,
P.O. Box 430, Hannibal, MO 63401, (573) 221-5958 fx (573)-221-1892
Contact Jim Donato. Local number (618) 451-8788

The rail at the crossing

MATERIAL, METHODS, AND WORKMANSHIP TO BE APPROVED BY RAIL OWNER AND MAINTAIN AS A MINIMUM AS AREMA (American Railway Engineering and Maintenance of Way Association) STANDARDS.

Replace rail at and adjacent to replace section of rail line are to 136# RE rail of US Manufacturer. The following rail suppliers are furnished for your information.

- A & K Railroad Materials, Inc., Contact Bob Radinsky at 636-812-1212.
- L. B. Foster Co., Contact Jay Roach at 800-253-5050 Ext. 118.
- Progress Rail Services, Contact Mike Burrous at 800-233-7816 Ext.16 .

3. The TRRA will require new creo. cross ties 7"x9"x10'-0"-Grade 5 In the track beneath the crossing on centers. In addition, five (5) new 7"x 9"x10'-0" creo. cross ties shall be installed on eighteen (18) inch centers in the track beyond each end of the as required per concrete crossing manufacturers.

11	Compaction testing reports for backfill at new rail crossing.	4	Must meet 95% maximum dry density, Modified Proctor ASTM D1557
9	Welding Procedures and Welder Certification	4	AWS requirements

10.00 - TRACK MATERIAL (ADAPTED FROM UNION PACIFIC STANDARD)
Union Pacific website may be used as a source for materials and details refered to below. <http://www.uprr.com/aboutup/operations/specs/track/index.shtml>
This is provide as a guide and subject to the approval of Terminal Railroad. AREMA are to be met or exceeded for all materials and workmanship.

10.01 Rail - 136 lb. New rail is required. Rail must meet or exceed AREMA Class I Specifications if greater than three hundred (300) per year are anticipated. If less than three hundred (300) cars per year are anticipated Class II rail can be used.

10.02 Fastenings:

- a) Angle or Joint Bars, new or certified, to match rail section used. Industry to provide compromise joint bars or compromise welds to match Union Pacific's (UP) rail section at 13-foot clearance point or location designated by UP representative (See UP Standard Drawing No. 0904 and 0948).
- b) Tie Plates, new and double shouldered plates no smaller than 2 times the base of the rail. Track to be fully plated. The use of single shoulder tie plates is prohibited.
- c) Track Bolts, new appropriately sized for the boltholes in the rail section with length sufficient for a full nut and heavy-duty spring washers (new) (See UP Standard Drawing No. 0438, 0439, 0440, 0441 & 0442).
- d) Track Spikes, new 5/8" x 6" or 5/8" x 6 1/4" installed per UP Standard Drawing No. 130005 and 0453.
- e) Rail Anchors, new box anchored every other tie. All switch ties will be completely box anchored.

f) Compromise Joint Bars or Compromise Field Welds shall be utilized when rails of dissimilar rail sections are connected. Turnouts will use the same rail section on the running rail, closure rails, and turnout components through the body of the turnout. It is the industry's responsibility to furnish, install and maintain compromise joint bars connecting to UP owned track. All rail joints and welds should be kept out of grade crossings, where possible (See UP Standard Drawing No. 0948).

Class 1			
Rail Weight	Max. Vert. Wear	Max. Hor. Wear	
136	1/4"	1/8"	
Corrugation up to .010 allowed			

g) Field Welding will be done in accordance with current UPRR or AREMA procedures (See Section 16.00).

10.03 Timber Ties (See UP Standard Drawing No. 0210):

Heavy Traffic	>2000 cars per year	7" x 9" x 10'-0" Ties @ 24 Ties per 39 on center)
---------------	---------------------	---

- a) New creosoted Oak ties only for new construction.
- b) Only new creosoted Oak switch ties will be used to accommodate turnout pattern.

Ballast shall be Granite conforming to IDOT Gradation "CA-1".

Conduit to be installed as a portion of the lump sum for RAILROAD CROSSING and includes a 4" Conduits as depicted on the plans to provide power to the rail crossing signal as described as Schedule 80 PVC and as describe in the special provisions section 810.01 and as 810.02 Coilable Nonmetallic Conduit.

This work will be paid for at the contract unit price per Lump Sum for RAILROAD CROSSING as described within the plans and this special provisions.

- GENERAL NOTES:**
- CROSSING PANELS AND END ANCHORS SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S SPECIFICATIONS, AND AS APPROVED BY THE ENGINEER.
 - NEW CROSSTIES CONFORMING TO A.R.E.M.A. SPECIFICATIONS SHALL BE 7" x 9" x 10", SHALL BE USED UNDER THE ENTIRE LENGTH OF THE CROSSING, AND SHALL BE ACCURATELY SPACED THROUGHOUT THE CROSSING TO ACCOMMODATE SELECTED PANELS.
 - BALLAST CONFORMING TO A.R.E.M.A. SPECIFICATIONS SHALL BE CLEAN, 1"x3" GRANITE
 - CONTINUOUS WELDED RAILS SHALL BE USED THROUGHOUT THE CROSSING AND SHALL EXTEND A MINIMUM OF 6' BEYOND THE ENDS OF THE PANEL SECTIONS. RAILS SHALL BE SPIKED TO LINE AND GRADE. W/Joint Bars.
 - THE 1/4" RUBBER TIE PAD IS REQUIRED ON EACH CROSSTIE THAT SUPPORTS A TIE PLATE.
 - SUBGRADE PREPARATION AND STREET CONSTRUCTION/REHABILITATION SHALL CONFORM WITH THE PLANS AND SPECIFICATIONS.
 - CROSSINGS SHALL BE INSTALLED TO THE GRADE DETERMINED BY THE ENGINEER. ELEVATION VARIATIONS WILL REQUIRE SURF WEDGING WITH A TRANSITION LENGTH DESIGNATED BY THE ENGINEER.
 - RAILROAD SIGNALS, GATES, POSTS, AND POST-MOUNTED SIGNALS SHALL BE FURNISHED AND INSTALLED BY OTHERS (TRRA) PAID FOR BY THE BY SEPARTE FUNDING AGREEMENT OUTSIDE OF THE CONTRACTORS CONTRACT..

- DRAINAGE TO BE INSTALLED PER UNION PACIFIC DRAWING Q304G
- UP DRAWING ARE INCORPORATED BY REFERENCE AND APPLY UNLESS DETAILED SEPARATELY.

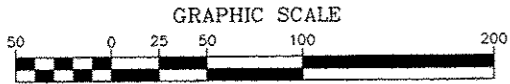
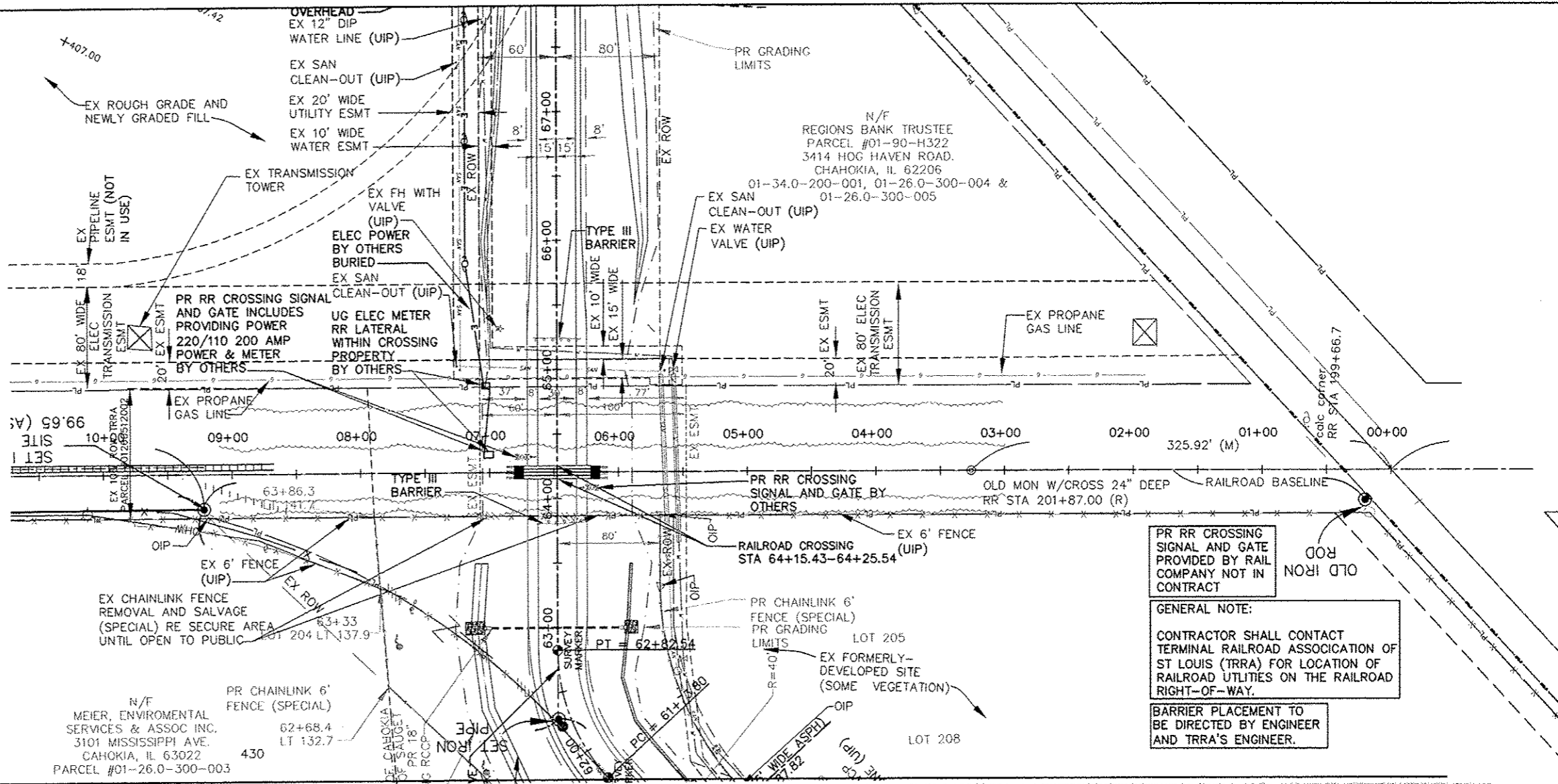
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T:\Clients\SAUGET\7313-13-3_QUEENY\TRRA_Conologue_Rail_Crossing\LD_7313-13-3.dwg		DRAWN = JPG	REVISED = 10-11-2013
	PLOT SCALE =	CHECKED = TPW	REVISED =
	PLOT DATE = Oct 17, 2013 - 11:30AM	DATE = 8-28-2012	REVISED =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

SECTION, DETAILS, NOTES			
SCALE: N/A	SHEET NO. 2 OF 9 SHEETS	STA.	TO STA.

RTI.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-0012-00-PV	St. Clair	65	238
			CONTRACT NO. 97485	
ILLINOIS				

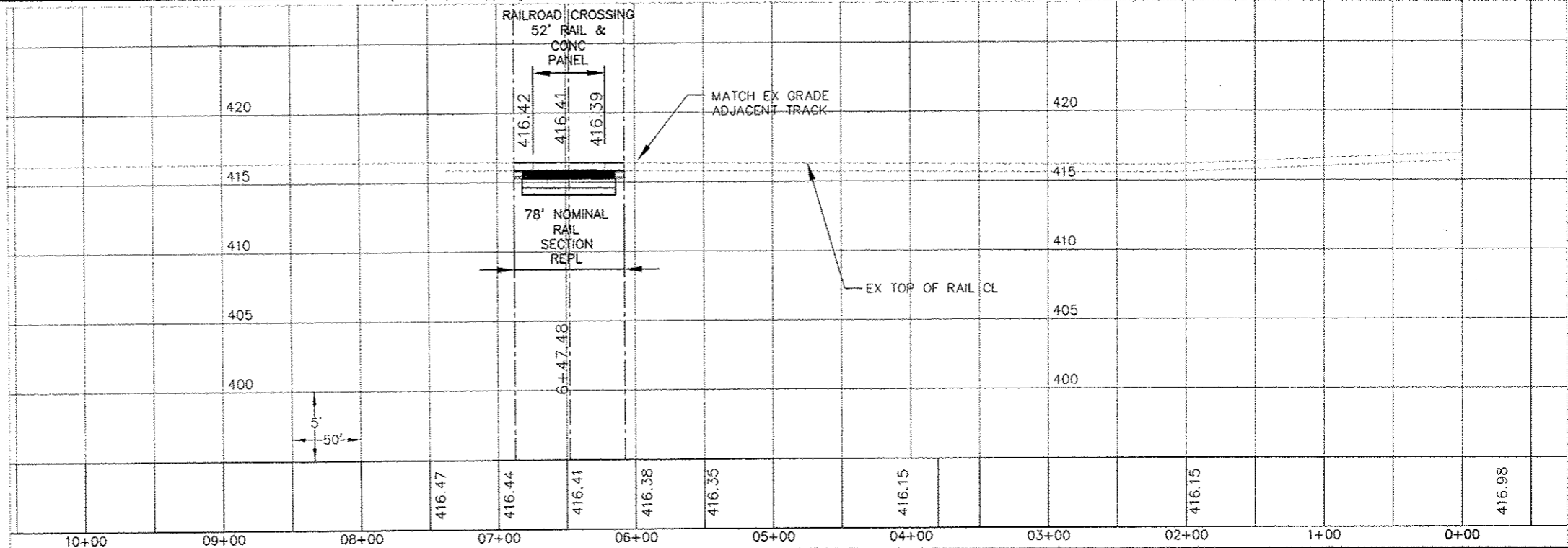
T:\Clients\SAUGET\7313-13-3_Queuey_TRRA_Conologue_Rail_Crossing_LDD_7313-13-3.dwg\Plan and Profile.dwg_03-pl_pnf rail rr_10/17/2013 12:17:04 PM



PR RR CROSSING SIGNAL AND GATE PROVIDED BY RAIL COMPANY NOT IN CONTRACT

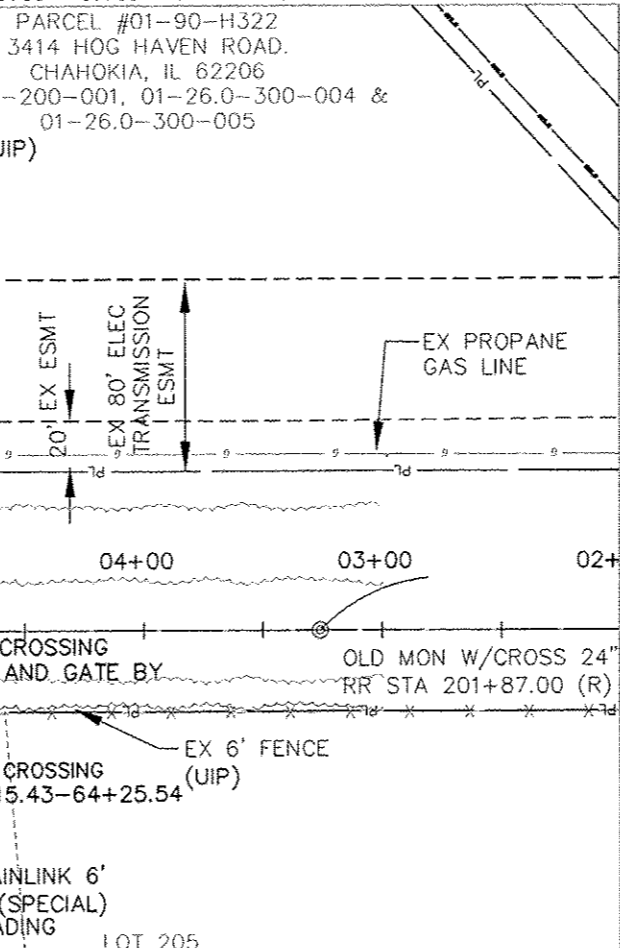
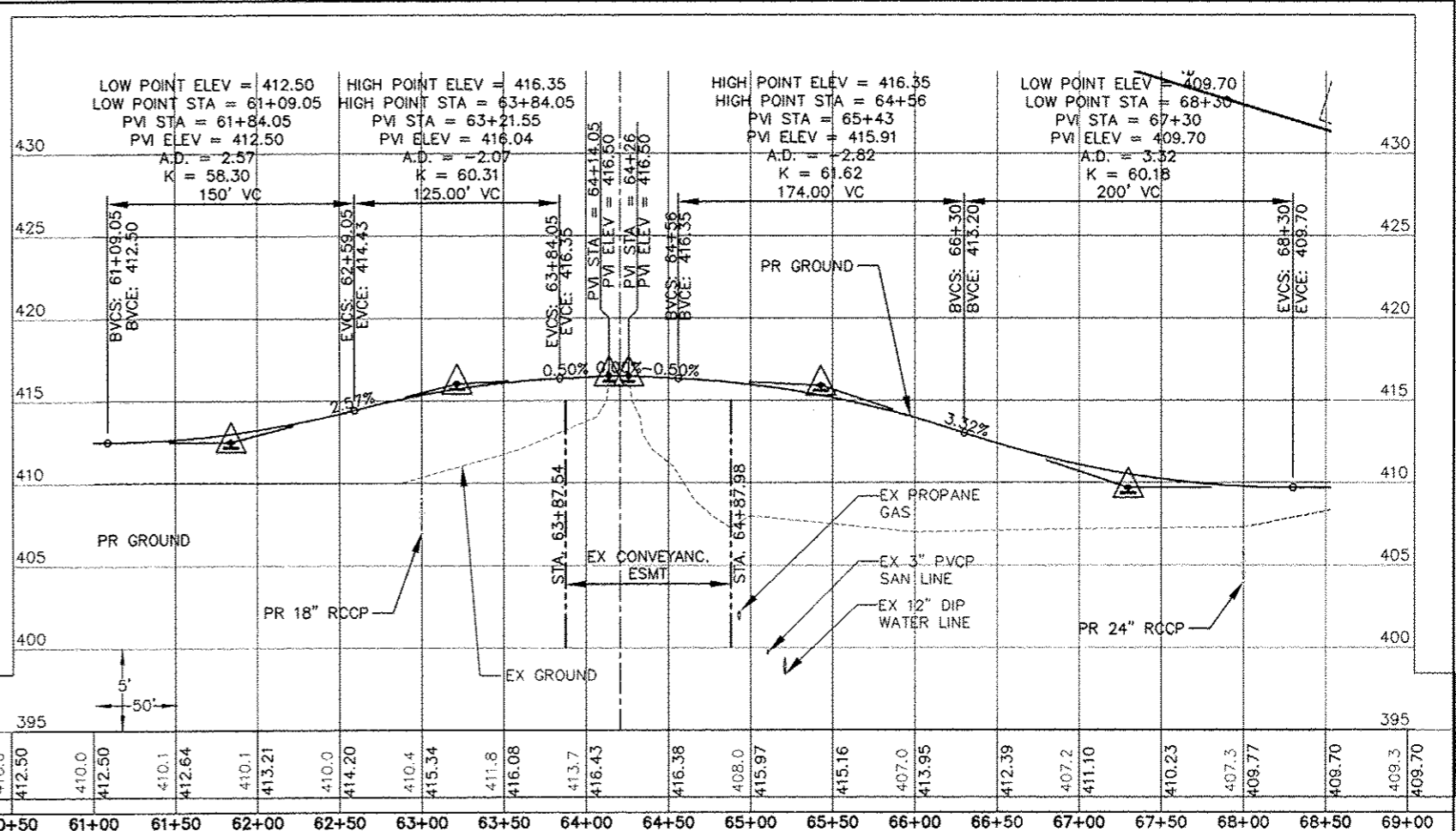
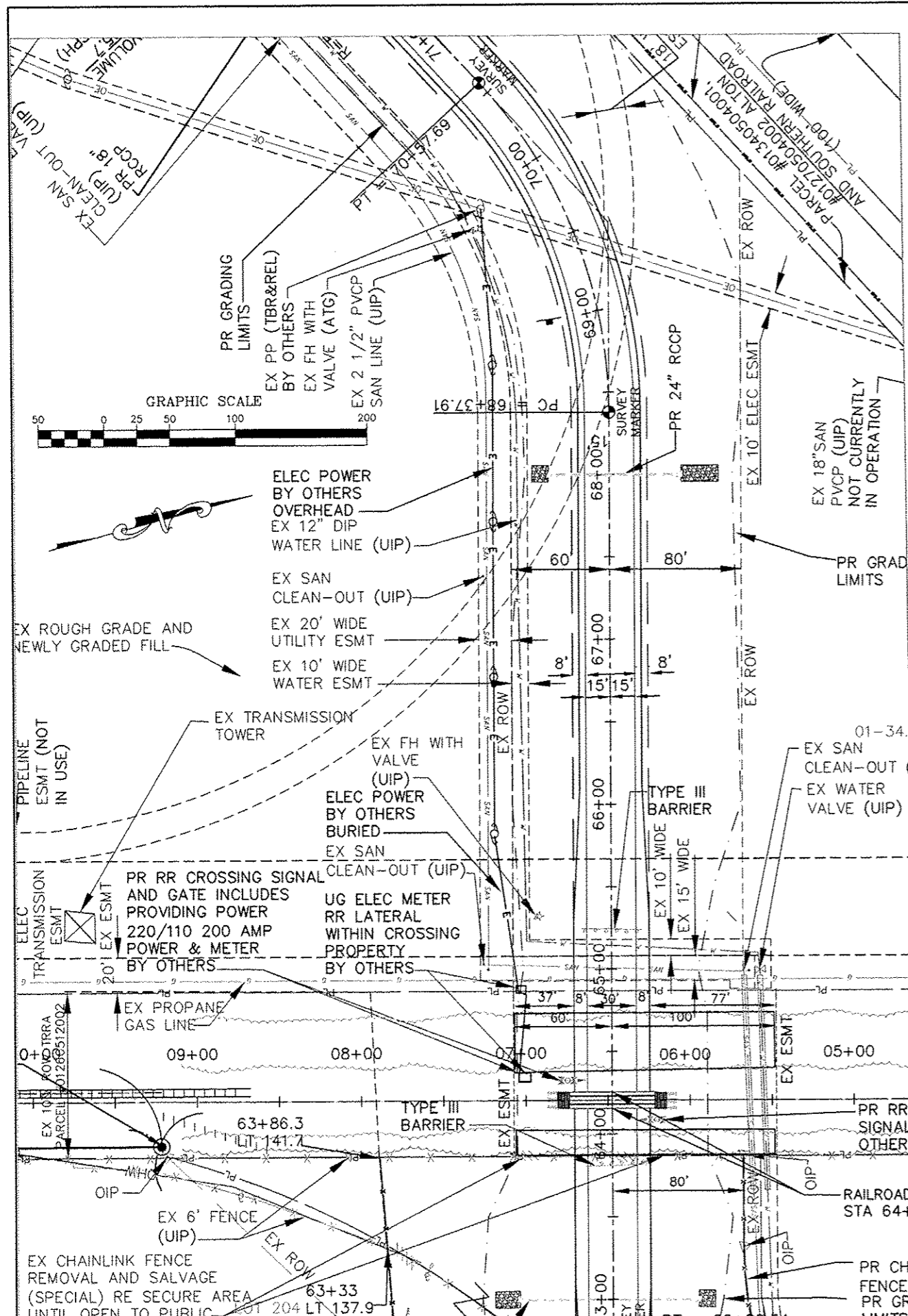
GENERAL NOTE:
CONTRACTOR SHALL CONTACT TERMINAL RAILROAD ASSOCIATION OF ST LOUIS (TRRA) FOR LOCATION OF RAILROAD UTILITIES ON THE RAILROAD RIGHT-OF-WAY.

BARRIER PLACEMENT TO BE DIRECTED BY ENGINEER AND TRRA'S ENGINEER.



FILE NAME =	USER NAME = jgp	DESIGNED - JGP	REVISED - 08-30-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PLAN AND PROFILE		RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
T:\Clients\SAUGET\7313-13-3_Queuey_TRRA_Conologue_Rail_Crossing_LDD_7313-13-3.dwg\Plan and Profile.dwg		DRAWN - JGP	REVISED - 09-05-2013		05-00012-00-PV	ST. CLAIR	65	23C			
PLOT SCALE = 1" = 50'		CHECKED - TPW	REVISED - 10-11-2013		SCALE: 1" = 50' SHEET NO. 3 OF 6 SHEETS STA. TO STA.			ILLINOIS FEDERAL AID PROJECT			
PLOT DATE = Oct 17, 2013 - 12:17PM		DATE - 6-28-2012	REVISED -		CONTRACT NO. 97485						

T:\Clients\SAUGET\7313-13-3_Queuey_TRRA_Conologue_Rail_Crossing_LDD_7313-13-3.dwg Final\tra_13-03_PLAN AND PROFILE.dwg_04_pl_prof road rr_10/17/2013 12:15:43 PM



FILE NAME =	USER NAME = jpg	DESIGNED - JGP	REVISED - 8-30-2013
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PLT SCALE = 1" = 50'		CHECKED - JPG	REVISED -
PLT DATE = Oct 17, 2013 - 12:15PM		DATE = 6-28-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

PLAN AND PROFILE

SCALE: 1" = 50' SHEET NO. 4 OF 6 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	230
CONTRACT NO. 97485			ILLINOIS FEDERAL AID PROJECT	

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RAIL SIZE	PANEL HEIGHT	GAGE PANEL WEIGHT	FIELD PANEL WEIGHT
115	7 1/8"	2850 LBS.	1550 LBS.
133-141	7 7/8"	3125 LBS.	1875 LBS.

COMMON STANDARDS

LAYOUT FOR CONCRETE PANELS ON 10'-0" LONG WOOD TIES (10W)

FILE OWNER: UPRR DATE: APRIL 24, 2001
REV. NO.: 0 DWG NO: 200100

CROSS SECTION - FIELD PANEL

CROSS SECTION - GAGE PANEL

COMMON STANDARDS

PRECAST CONCRETE PANELS FOR 10'-0" LONG WOOD TIES (10W)

FILE OWNER: UPRR DATE: APRIL 24, 2001
REV. NO.: 0 DWG NO: 200102

CROSS SECTION - GAGE PANEL

CROSS SECTION - FIELD PANEL

FIELD PANEL

GAGE PANEL

COMMON STANDARDS

PRESTRESSED CONCRETE PANELS FOR 10'-0" LONG WOOD TIES (10W)

FILE OWNER: UPRR DATE: APRIL 24, 2001
REV. NO.: 0 DWG NO: 200101

TOP RADII DETAIL

PAINT DETAIL

VIEW A

SECTION B

NOTES:

- PAINT WEB OF RAIL 10" CENTERED ON RAIL, SOLID WHITE ON BOTH SIDES. USING 2" BLOCK STENCIL AND BLACK PAINT. ADDITIONALLY, ON ONE SIDE ONLY, PERMANENTLY AFFIX MANUFACTURER'S I.D. TAG IN PAINTED AREA.
- STENCIL THE FOLLOWING RAIL HEIGHT DIMENSIONS AT THE APPROPRIATE LOCATIONS ON THE RAIL: 6 7/16", 6 9/16", 6 11/16", 6 13/16", AND 6 10/16".
- LIFT POINT & FINISH WT. TO BE CLEARLY MARKED ON TOP OF RAIL.
- TRANSITION RAIL TO BE MANUFACTURED FROM HEAD HARDENED RAIL.
- MACHINED TRANSITION SURFACES MUST BE FREE OF SEAMS & RIDGES.

UNION PACIFIC RAILROAD ENGINEERING STANDARDS

TRANSITION RAIL 136 LB. TO 132 LB. WORN

ITEM NO. 652-4395
APPROVED: MAY 12, 2008
REVISION: FILE NO. DWG

STD DWG 0945

Details have been provided at the request of Terminal Railroad via the Union Pacific website. Should revision of the details occur before the time of construction, the contractor is to construct in accordance with latest published detail. Application for adjustment to the installed cost in materials or labor is the responsibility of the contractor.

FILE NAME =	USER NAME = jpg	DESIGNED -- JPG	REVISED -- 8-30-2013
T:\Clients\SAUGET\7313-13-3_Quency_TRRA_Conologue_Rail_Crossing_LDO_7313-13-3.dwg		DRAWN -- JPG	REVISED -- 9-05-2013
7313-13-3 TYPRR SECalter.dwg		CHECKED -- TPW	REVISED -- 10-11-2013
PLOT DATE = Oct 17, 2013 - 11:41AM		DATE = 6-28-2012	REVISED --

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		RAILROAD STANDARDS	
SCALE: N/A	SHEET NO. 5 OF 9 SHEETS	STA. TO STA.	
RTE.	SECTION 05-00012-00-PV	COUNTY ST. CLAIR	TOTAL SHEETS 23E
			CONTRACT NO. 97485
			ILLINOIS FEDERAL AID PROJECT

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STANDARD ELECTRICAL TEST

8 VOLT BATTERY
NEGATIVE TERMINAL
TO SIDE A OF SLAB

LEAD "A"
LEAD "B"

METER WITH BUILT-IN VOLTMETER

GRIND OR FILE TESTING SURFACE TO BARE METAL

ELECTRICAL TEST STEPS:

- BATTERY SHALL BE 6.0 (FIVE) AMPS OR GREATER.
- SLABS ARE READY FOR TESTING WHEN 72 HOURS HAVE ELAPSED FROM CASTING OF CONCRETE.
- MUST BE LESS THAN 2.0 (TWO) AMPS TO PASS THE TEST. RE-TEST AFTER TWO (2) DAYS IF GREATER THAN 2.0 (TWO) AMPS. REJECT IF AMPERAGE REMAINS ABOVE 2.0 (TWO) AMPS.
- 0.3-0.4 AMPS IS A NORMAL READING. 2.0 (TWO) AMPS OR LESS PASS THE TEST.

COMMON STANDARDS

SHUNT RESISTANCE TEST FOR CONCRETE PANELS

FILE OWNER: UPRR DATE: APRIL 24, 2001
REV. NO.: 0 DWG NO.: 200903

TYPICAL SHUNT SPACER DETAIL (ALL PANELS)

END FRAME DETAIL (ALL PANELS)

LAG HOLE DETAIL (9W & 10W)

FIELD PANEL (9W, 10W, & 10C)

GAUGE PANEL (9W, 10W, & 10C)

TYPICAL LIFTING DEVICE AND BLOCKOUT (ALL PANELS)

COMMON STANDARDS

TYPICAL DETAILS FOR CONCRETE PANELS

FILE OWNER: UPRR DATE: APRIL 30, 2003
REV. NO.: 3 DWG NO.: 200900

UNION PACIFIC RAILROAD ENGINEERING STANDARDS

DOUBLE SHOULDER 6-HOLE TIE PLATE FOR 6" BASE RAIL

ITEM NOS. USE A B C D E
854-6968 2ND HAND ONLY 6" 1 3/4" 1 3/4" 1 3/4" 1 3/2"
854-3230 NEW 7 3/4" 2" 1 7/8" 1 1/2" 2 3/4"

MANUFACTURER NAME, YEAR, AND DIMENSION 6" TO BE ROLLED IN RAISED LETTERS AND FIGURES ON THE OUTSIDE SHOULDER.

HOLE TO BE PUNCHED "E" INTO RAIL SEAT

3/4" (9" PLATE) 23/32" (7 3/4" PLATE) SQUARE HOLE WITH 1/16" RADI (TYP.)

RAIL SEAT EDGE

DETAIL "A"

NOTES:
SPECIFICATIONS AND WORKMANSHIP TO BE IN ACCORDANCE WITH CURRENT AREMA MANUAL REQUIREMENTS FOR HOT-WORKED, HIGH CARBON STEEL TIE PLATES.

ADOPTED MARCH 11, 1998
REVISED APRIL 22, 2002
FILE NO.: 5098A

STD DWG
0439A

Details have been provided at the request of Terminal Railroad via the Union Pacific website. Should revision of the details occur before the time of construction, the contractor is to construct in accordance with latest published detail. Application for adjustment to the installed cost in materials or labor is the responsibility of the contractor.

MATERIAL SPECIFICATIONS:

- STRUCTURAL STEEL SHALL CONFORM TO ASTM A-36 SPECIFICATIONS. WELDING TO BE PER AREMA CODE.
- ALL EXPOSED STEEL TO RECEIVE ONE COAT PRIMER.
- END ANGLES FOR GAGE PANEL SHOULD HAVE 3" GAP MINIMUM TO IMPROVE SHUNT RESISTANCE. REINFORCING MATERIAL AND CLADDING TO BE CONSTRUCTED TO MEET SHUNTING REQUIREMENT. A NON-CONDUCTIVE BRACKET TO BE ATTACHED TO GAGE FRAME.
- CLADDING ON ENDS OF PANELS SHOULD EXTEND BEYOND CONCRETE 18" (1 1/2" - 0') TO IMPROVE MATCH WITH ADJACENT PANELS.
- REINFORCING STEEL SHALL CONFORM TO CURRENT ASTM SPECIFICATIONS. GRADE 60. ANY YIELDING OF REINFORCEMENT STEEL IS REQUIRED. MATERIAL SHALL CONFORM TO ASTM A606 SPECIFICATION, GRADE 60.
- CONCRETE MATERIAL MIXING, PLACING AND CURING TO BE IN ACCORDANCE WITH PROVISIONS FOR QUALITY CONTROL, PRECAST AND PRESTRESSED CONCRETE, MANUAL 118, EDITION 4. GEMENT SHALL HAVE NO MORE THAN 8% TOTAL ALKALI CONTENT. MAXIMUM WATER/CEMENT RATIO=0.44 (BY WEIGHT) AIR ENTRAINMENT=0%+1% IN PLASTIC CONCRETE. USE 9" MAXIMUM.
- CORES OF THE CONCRETE DESIGN MAY BE SUBMITTED TO RAILROAD FOR INSPECTION PRIOR TO THE START OF THE CASTING OPERATION.
- TOP SURFACE SHALL BE NON-CRACK DESIGN AND IS TO BE SEALED TO PREVENT ION MIGRATION DUE TO SALTING.
- CURING SHALL FOLLOW THE RECOMMENDATIONS AND PROCEDURES OF PCI IN 4TH EDITION DIVISION 4.
- 3/16" WIRE INSPECTION HOLES SHALL BE PLACED EVERY 3-FT. MIN. ALONG THE TOP OF THE STEEL FRAME ALONG ALL 90° CORNERS.
- FLANGWAY FILLER TO BE PERMANENTLY PREATTACHED AND HAVE THE FOLLOWING PROPERTIES:
 • TENSILE STRENGTH (ASTM D412) 800PSI MIN.
 • ULTIMATE ELONGATION (ASTM D412) 400% MIN.
 • TEAR STRENGTH (ASTM D240) 75+40% SHORE A.
 • HARDNESS (ASTM D240) 75+40% SHORE A.
 • COMPRESSION SET (ASTM D395 METHOD B) 00 DEGREES CELSIUS FOR 24 HOURS 45% MAX.
 • ACCELERATED AGING TEST (ASTM D270) 70 HOURS AT 100 DEGREES CELSIUS MUST NOT EXHIBIT A REDUCTION IN PROPERTIES BY GREATER THAN 20%.
 • OZONE RESISTANCE TEST (ASTM D518) MUST HAVE NO CRACKING AFTER EXPOSURE TO 60-PPHM OZONE FOR 96 HOURS AT 40 DEGREES CELSIUS.
 • VOLUME RESISTIVITY = 0.17² OHM-CM OR GREATER (ASTM D257), BUT USING 99% HUMIDITY. CO. ITCR IN PLACE OF DISTILLED WATER FOR 168 HOURS AT 25 DEGREES CELSIUS AND TESTED AT 500 VDC.
 • ELECTRICAL RESISTANCE: MINIMUM RESISTANCE 12 MEGA OHMS MEASURED AT 500 VDC.
 • LOW TEMPERATURE BRITTLENESS (ASTM D217) AT -40 DEGREES CELSIUS.
 • A SAMPLE SECTION OF THE FLANGWAY MATERIAL SHALL BE PHYSICALLY TESTED BY APPLYING A LATERAL FORCE OF 10 LBS AT 90 DEGREES CELSIUS. THE MAXIMUM LATERAL DISPLACEMENT OF THE TEST IS NOT TO EXCEED 1/4" CORROSION TYPE 100 ONLY. TEST RESULTS MUST BE SUBMITTED FOR RAILROAD APPROVAL.
 • MANUFACTURER TO DESIGN THE PREATTACHED FLANGWAY FILLER TO ALLOW FOR REMOVAL OF PANELS FOR MAINTENANCE WITHOUT DAMAGING TIE OR FLANGWAY FILLER OR ANY OTHER COMPONENTS DESIGNED TO HOLD IT TOGETHER.

TOLERANCES:

- OUT OF SQUARE 3/16" (MEASURED ALONG THE DIAGONAL)
- LENGTH WIDTH, AND THICKNESS: +/-1/16"
- THE BOTTOM SURFACE WHICH WILL BE IN CONTACT WITH THE TIE, SHALL NOT UNDULATE IN ANY DIRECTION MORE THAN 0.02". SEE SPECIAL TESTING NOTES BELOW.
- REINFORCEMENT PLACEMENT SHALL BE +/-3/16" HORIZONTAL +/-1/16" VERTICAL.

FINISH:

- ALL RECESSES AND MINOR CONCRETE SPALLS ARE TO BE FILLED AND FINISHED TO THE PANEL DRAMATIONS USING THE PROPER BONDING AGENT AND REPAIR MATERIAL. SURFACE OF THE REPAIR AREA IS TO MATCH THE COLOR AND TEXTURE OF THE SURROUNDING AREAS.
- THE DRYING PROCESS IS TO HAVE A LIGHT BROOM FINISH OR AS APPROVED BY RAILROAD. THE ADDITION OF WATER TO THE CONCRETE SURFACE DURING CASTING IS NOT PERMITTED.

SPECIAL TESTING:

- TWICE ANNUALLY VERIFICATION SHALL SUBMIT (VIA AN INDEPENDENT TESTING LABORATORY TO THE RAILROAD) THE FOLLOWING TEST ON THE APPROVED MIXED DESIGN WITH 50% FREEZE/THAW:
 • ASTM C277 MORTAR BAR METHOD
 • ASTM C1260 AT TOTAL ALKALI BURDEN = 0.00%
 • ASTM C1260 AT TOTAL ALKALI BURDEN = 0.00%
- GAUGE PANELS SHALL BE DESIGNED WITH SHUNT RESISTANT FEATURES IN ORDER TO PROVIDE A MINIMUM ELECTRICAL RESISTANCE IN ACCORDANCE WITH THE STANDARD ELECTRICAL TEST (DWG 6000).
- A REPRESENTATIVE SAMPLE OF PANELS SHALL BE CHECKED PERIODICALLY FOR BOTTOM FLATNESS BY USING A STRAIGHT EDGE CALIBRATED TO WITHIN +/-0.02" AND A TAPER GAGE AS FOLLOWS:
 • 3 POSITIONS OF FLATBAR (---) CHECK FLATNESS AT EACH POSITION USING TAPER GAGE.

GENERAL:

- THE MANUFACTURER SHALL BE ISO 9000 OR AAT 14000 CERTIFIED. ALL TESTING PERSONNEL SHALL BE A MINIMUM OF A LEVEL 1 CERTIFIED.
- THE FABRICATOR SHALL BE RESPONSIBLE FOR LOADING AND PROPERLY SECURING ALL PRECAST CONCRETE MEMBERS FOR SHIPMENT.
- THE MANUFACTURER SHALL WARRANTY PRODUCT FOR A MINIMUM OF TEN YEARS AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.
- MANUFACTURER TO PERMANENTLY MARK EACH PANEL WITH A CONCRETE IMPRINT FOR SIZE OF PANEL, WEIGHT OF PANEL, MANUFACTURER'S I.D., MONTH/YEAR OF MANUFACTURE, AND CROSSING TYPE. END OF EACH PANEL TO BE STENCILED PAINTED WITH SIZE OF RAIL, WEIGHT OF PANEL AND CROSSING TYPE.

COMMON STANDARDS

GENERAL SPECIFICATIONS FOR ROAD CROSSINGS WITH CONCRETE PANELS

FILE OWNER: UPRR DATE: MARCH 21, 2003
REV. NO.: 1 DWG NO.: 200901

T:\Clients\AUGETV1313-13-3_Queuey_TRRA_Conologue_Rail_Crossing_LDD_7313-13-3\dwg\Final\7313-13-3_TYPRR_SECalter.dwg, up std det 07, 10/17/2013 12:05:10 PM, Adobe PDF

**UNION PACIFIC RAILROAD
ENGINEERING STANDARDS**

**DOUBLE SHOULDER TIE
PLATE FOR 6" BASE RAIL
1:40 CANT**

STD DWG
0442C
PAGE 1 OF 2

ITEM NO.
654-3240

ADOPTED: DEC. 6, 1981
REVISED: JUNE 3, 2004
FILE NO.: 0442C

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**UNION PACIFIC RAILROAD
ENGINEERING STANDARDS**

**DOUBLE SHOULDER TIE
PLATE FOR 6" BASE RAIL
1:30 CANT**

STD DWG
0442C
PAGE 2 OF 2

ITEM NO.
654-3240

ADOPTED: DEC. 6, 1981
REVISED: JUNE 3, 2004
FILE NO.: 0442C

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**UNION PACIFIC RAILROAD
ENGINEERING STANDARDS**

**INSTALLATION OF ROAD
CROSSINGS W/ PRECAST
CONCRETE PANELS**

STD DWG
0304G
PAGE 1 OF 2

NOTE: SEE PAGE 2 FOR NOTES AND MORE DETAILS.

ADOPTED: DEC. 19, 1987
REVISED: FEB. 20, 2007
FILE NO.: 0304G

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**UNION PACIFIC RAILROAD
ENGINEERING STANDARDS**

**INSTALLATION OF ROAD
CROSSINGS W/ PRECAST
CONCRETE PANELS**

STD DWG
0304G
PAGE 2 OF 2

NOTE: GEOTEXTILE & PIPE TO BE INSTALLED ONLY AT LOCATIONS WHERE REQUIRED BY STATE OR LOCAL AGENCIES OR WHERE DESIGNATED BY CHIEF ENGINEER.

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Details have been provided at the request of Terminal Railroad via the Union Pacific website. Should revision of the details occur before the time of construction, the contractor is to construct in accordance with latest published detail. Application for adjustment to the installed cost in materials or labor is the responsibility of the contractor.

FILE NAME =	USER NAME = jgg	DESIGNED = JPG	REVISED = 8-30-2013
T:\Clients\SAUGET\7313-13-3_Queuey_TRRA_Conologue_Rail_Crossing_LDD_7313-13-3\dwg\Final\7313-13-3_TYPRR_SECalter.dwg		DRAWN = JPG	REVISED = 9-05-2013
	PLOT SCALE =	CHECKED = TPW	REVISED = 10-18-2013
	PLOT DATE = Oct 17, 2013 - 12:05PM	DATE = 6-28-2012	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILROAD STANDARDS

SCALE: N/A SHEET NO. 7 OF 9 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	236
ILLINOIS FEDERAL AID PROJECT			CONTRACT NO. 97485	

T:\Clients\SAUGET\7313-13-3_Queuey_TRRR_Conologue_Rail_Crossing_LDD_7313-13-3.dwg Final\7313-13-3_TYPRR_SEColler.dwg, up std det 08_10/17/2013 12:07:19 PM, Adobe PDF

MISCELLANEOUS JOINT BARS

NOTE:
1. SEE PAGE 2 FOR THE REST OF THIS DWG.

ADOPTED: MARCH 1, 1999
REVISED: MAY 18, 2004
FILE NO.: 0904F

STD DWG
0904F
PAGE 1 OF 2

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STANDARD JOINT BAR	ITEM NO.	HOLE PATTERN	A	C	D	E	F	G	H	J	K	L
110 LB. 24" S.P. PUNCH	562-7300	2	24"	3 3/4"	5 1/2"	5 1/2"	2 5/8"	2 11/16"	1 1/4"	1 1/2"	1 5/32"	1 7/16"
112 LB. 24" U.P. PUNCH	562-7354	1	24"	2 15/16"	5 1/2"	5 1/8"	2 7/8"	2 1/2"	1 1/8"	1 9/16"	1 3/16"	1 3/16"
112 LB. 36" U.P. PUNCH	562-7385	4	36"	3"	5 1/2"	5"	2 7/8"	2 15/16"	1 1/8"	1 9/16"	1 3/8"	1 1/8"
113 LB. 28" S.P. PUNCH	562-7400	2	28"	4 15/16"	5 1/2"	5 1/8"	2 7/8"	2 1/2"	1 1/4"	1 9/16"	1 7/32"	1 3/16"
115 LB. 24" DRGW PUNCH	562-7408	1	24"	5"	5"	5"	2 7/8"	2 15/16"	1 1/8"	1 9/16"	1 3/16"	1 3/16"
116 LB. 28" S.P. PUNCH	562-7430	2	28"	4 15/16"	5 1/2"	5 1/8"	2 7/8"	2 1/2"	1 1/4"	1 9/16"	1 7/32"	1 3/16"
116, 119 LB. 36" U.P. PUNCH	562-7447	3	36"	2 7/16"	5"	7 1/8"	2 7/8"	3 1/2"	1 1/8"	1 13/32"	1 1/16"	1 1/16"
119 LB. 28" S.P. PUNCH	562-7500	2	28"	4 15/16"	5 1/2"	5 1/8"	2 7/8"	2 1/2"	1 1/4"	1 1/2"	1 7/32"	1 3/16"
119 LB. 36" DRGW PUNCH	562-7900	3	36"	3"	5"	5"	2 7/8"	2 15/16"	1 1/8"	1 9/16"	1 3/16"	1 3/16"
131 LB. 24" U.P. PUNCH	562-7670	1	24"	2 15/16"	5 1/2"	5 1/8"	3 3/32"	2 1/2"	1 1/8"	1 9/16"	1 3/16"	1 3/16"
131 LB. 36" U.P. PUNCH	562-7801	4	36"	2 15/16"	5 1/2"	5"	3 3/32"	2 15/16"	1 3/16"	1 1/2"	1 1/8"	1 1/8"
132 LB. 28" S.P. PUNCH	562-7615	2	28"	4 15/16"	5 1/2"	5 1/8"	3 3/32"	2 1/2"	1 5/16"	1 9/16"	1 7/32"	1 3/16"
132 LB. 36" U.P. PUNCH	562-7652	3	36"	2 7/16"	5"	7 1/8"	3 3/32"	3 1/2"	1 1/8"	1 13/32"	1 1/16"	1 13/32"
133 LB. 36" U.P. PUNCH	562-7893	4	36"	2 7/16"	5"	7 1/8"	3"	3 1/2"	1 1/8"	1 1/2"	1 1/8"	1 1/8"
136 LB. 36" U.P. PUNCH	562-7652	3	36"	2 7/16"	5"	7 1/8"	3 3/32"	3 1/2"	1 1/8"	1 13/32"	1 1/16"	1 1/16"
136 LB. 28" S.P. PUNCH	562-7700	2	28"	4 15/16"	5 1/2"	5 1/8"	3 3/32"	2 1/2"	1 3/16"	1 9/16"	1 7/32"	1 3/16"
136 LB. 36" S.P. PUNCH	562-9175	3	36"	2 7/16"	5 1/2"	5 1/8"	3 3/32"	2 1/2"	1 3/16"	1 9/16"	1 7/32"	1 3/16"
136 LB. 36" DRGW PUNCH	562-7631	4	36"	3"	5"	5"	3 3/32"	2 15/16"	1 1/8"	1 9/16"	1 3/16"	1 3/16"
132-141 LB. 36" UP PUNCH	562-7650	3	36"	2 7/16"	5"	7 1/8"	3 3/32"	3 1/2"	1 1/4"	1 1/2"	1 3/16"	1 3/16"

HIGH RELIEF JOINT BAR	ITEM NO.	HOLE PATTERN	A	C	D	E	F	G	H	J	K	L
116, 119 LB. 36" U.P. PUNCH	562-7478	3	36"	2 7/16"	5"	7 1/8"	2 7/8"	3 1/2"	1 1/8"	1 13/32"	1 1/16"	1 1/16"
133 LB. 36" U.P. PUNCH	562-7694	4	36"	2 7/16"	5"	7 1/8"	3"	3 1/2"	1 1/8"	1 1/2"	1 1/8"	1 1/8"
132-141 LB. 36" UP PUNCH	562-7650	3	36"	2 7/16"	5"	7 1/8"	3 3/32"	3 1/2"	1 1/4"	1 1/2"	1 3/16"	1 3/16"

RAIL DRILLING

NOTES:
1. STAGGERED JOINTS: RAIL MUST BE LAID WITH STAGGERED JOINTS IN MAIN TRACKS, EXCEPT WHERE BALANCING THE JOINTS FOR SWITCH LEADS, ROAD CROSSINGS, BRIDGE ENDS AND SIGNAL CIRCUITS, AND IN SECONDARY TRACKS EXCEPT WHERE USE OF PREFABRICATED TRACK PANELS IS AUTHORIZED.
2. RAIL JOINT LOCATION: WHEN LAYING RAIL, JOINTS MUST NOT BE LOCATED IN ROAD CROSSINGS, BRIDGE DECKS, OR ON THE ENDS OF BRIDGES.
3. FOR RAIL DETAILS, SEE STD DWGS. (700 SERIES) FOR HARDWARE. SEE STD DWG 0950. SEE PAGE 1 FOR THE REST OF THIS DWG.

ADOPTED: MARCH 1, 1999
REVISED: MAY 18, 2004
FILE NO.: 0904F

STD DWG
0904F
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COMPROMISE JOINTS

NOTE:
1. AT PERMANENT CONNECTIONS OF DIFFERENT RAIL SECTIONS, COMPROMISE JOINTS OR COMPROMISE WELDS SHALL BE INSTALLED IN ACCORDANCE WITH CHIEF ENGINEER'S INSTRUCTIONS AND WHERE PRACTICABLE, THEY SHALL NOT BE LOCATED IN MAIN TRACK CURVE OR OPEN DECK BRIDGES, OR IN TURNOUTS.
2. STD DRAWINGS SHOULD BE REFERENCED FOR MANUFACTURING PURPOSE AND TO IDENTIFY THE ROUND AND OVAL HOLE PATTERNS.
3. SEE PAGE 2 FOR DIMENSION CHART & DETAILS FOR TRACK BOLTS. SEE STD DWG 0950.

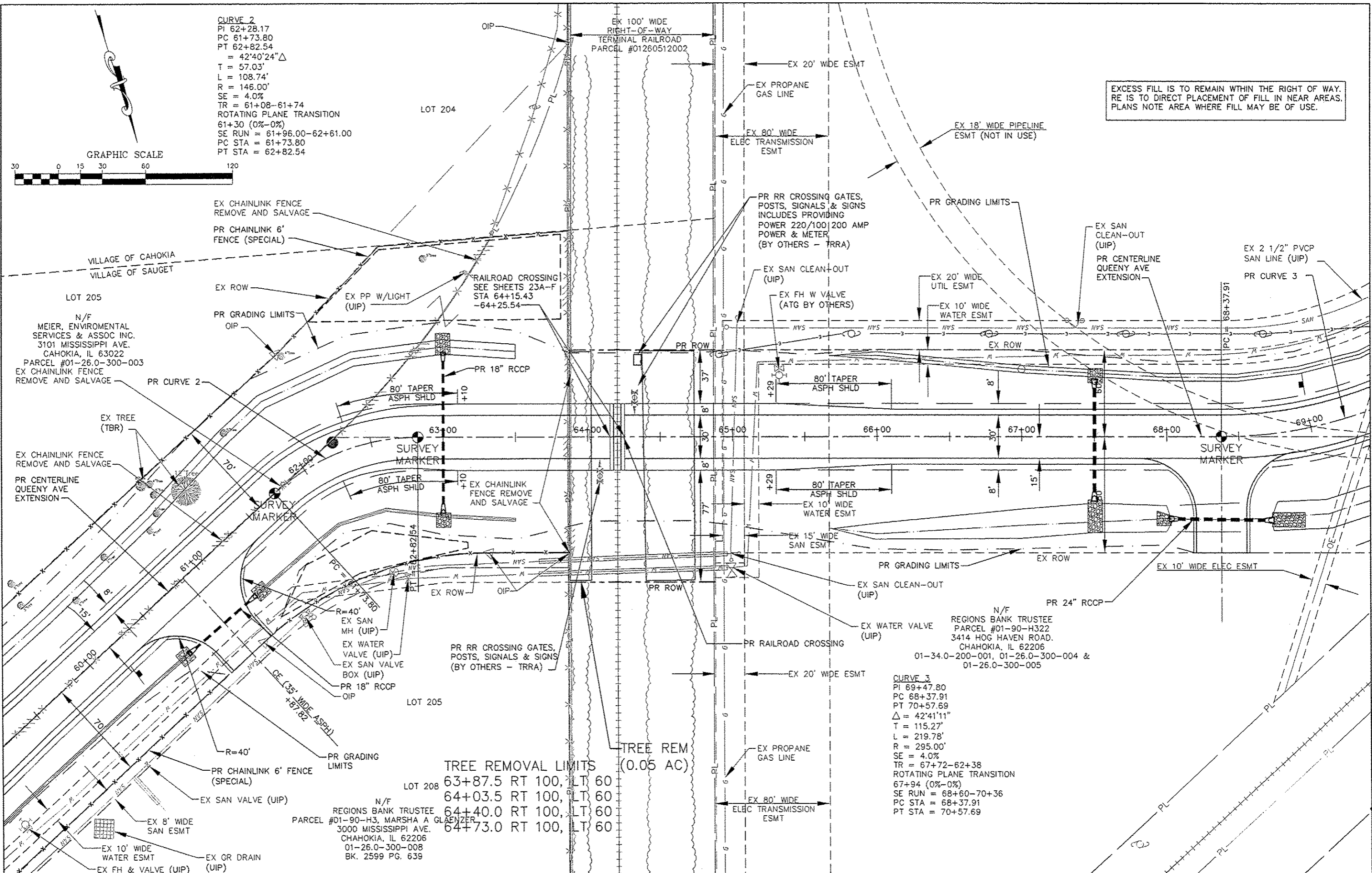
ADOPTED: DEC. 31, 1999
REVISED: JUNE 9, 2004
FILE NO.: 0948B

STD DWG
0948B
PAGE 1 OF 2

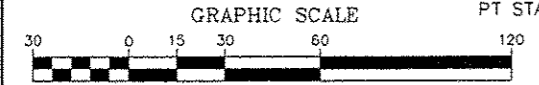
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RAIL TO RAIL	RH ITEM	LH ITEM	BAR TYPE	A (NEW)	B (NEW)	C (NEW)	D (NEW)	E (NEW)	F (NEW)	G (NEW)	H (NEW)	J (NEW)	K (NEW)	L (NEW)	M (NEW)	N (NEW)	O (NEW)	P (NEW)	Q (NEW)	R (NEW)	C.E. DIM. NO.
130RE - 130RE	562-4070	562-4070	6 HOLE	7 5/8"	7"	3 3/32"	3"	2"	2"	3 3/8"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09080
130RE - 130RE	562-4309	562-4309	6 HOLE	7 5/8"	7"	3 3/32"	3 3/32"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09017
130RE - 110RE	562-4180	562-4180	6 HOLE	7 5/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09059
SP130RE - 110RE	562-6306	562-6306	6 HOLE	7 5/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09022
DRGW130RE - 110RE	562-4187	562-4188	6 HOLE	7 5/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 110RE	562-4124	562-4095	6 HOLE	7 5/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09062
130RE - 110RE	562-4095	562-4030	6 HOLE	7 5/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09062
SP130RE - SP110RE	562-6306	562-6305	4 HOLE	7 5/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
SP130RE - SP110RE	562-6378	562-6380	4 HOLE	7 5/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 130RE	562-3936	562-3936	6 HOLE	7 1/8"	7"	3 3/32"	3"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 130RE	562-3938	562-3938	6 HOLE	7 1/8"	7"	3 3/32"	3"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 110RE	562-3678	562-3647	6 HOLE	7 1/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 110RE	562-3916	562-3786	6 HOLE	7 1/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 110RE	562-3964	562-3964	6 HOLE	7 1/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 110RE	562-3652	562-3657	6 HOLE	7 1/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 100RE	562-3570	562-3659	6 HOLE	7 1/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 80RA	562-3306	562-3478	6 HOLE	7 1/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 110RE	562-3447	562-3416	6 HOLE	7 1/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
130RE - 110RE	562-3396	562-3066	6 HOLE	7 1/8"	7"	3 3/32"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	3 1/2"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09038
110RE - 110RE	562-3979	562-3979	6 HOLE	6 1/8"	6 1/8"	5 1/2"	6 3/8"	2 7/8"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09054
110RE - 110RE	562-2407	562-2407	6 HOLE	6 5/8"	6 5/8"	5 1/2"	6 3/8"	2 7/8"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09054
110RE - 100RE	562-2271	562-2297	6 HOLE	6 5/8"	6 1/2"	5 1/2"	6 3/8"	2 7/8"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09016
110RE - 100RE	562-2370	562-2350	6 HOLE	6 5/8"	6 1/2"	5 1/2"	6 3/8"	2 7/8"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09016
110RE - 100RE	562-2308	562-2270	4 HOLE	6 5/8"	6 1/2"	5 1/2"	6 3/8"	2 7/8"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09016
112RE - 10000	562-1867	562-1867	4 HOLE	6 5/8"	6 1/2"	5 1/2"	6 3/8"	2 7/8"	2 7/8"	2 7/8"	2 7/8"	3 1/2"	5"	1 1/8"	1 5/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	1 1/8" x 1 1/2"	09025

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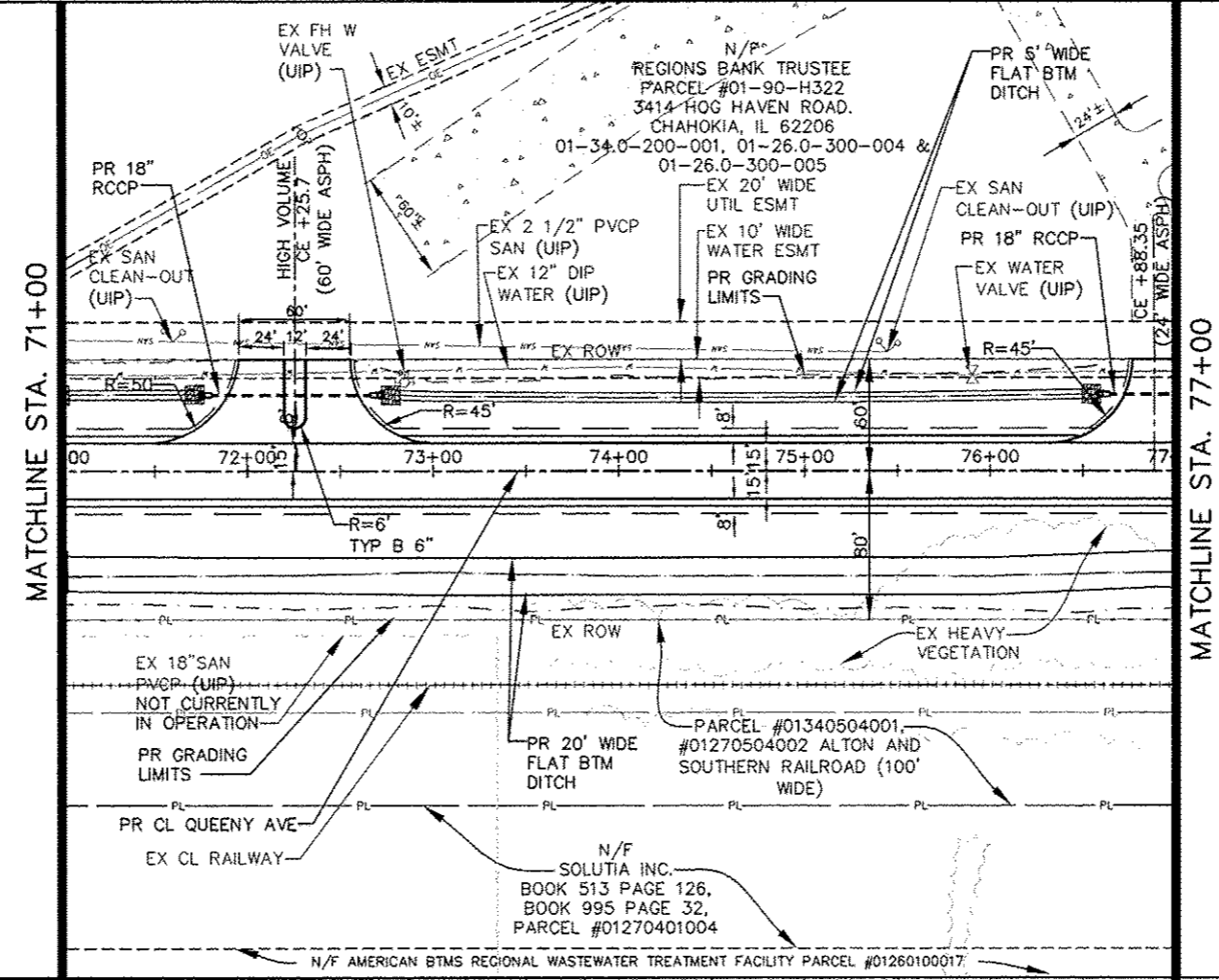
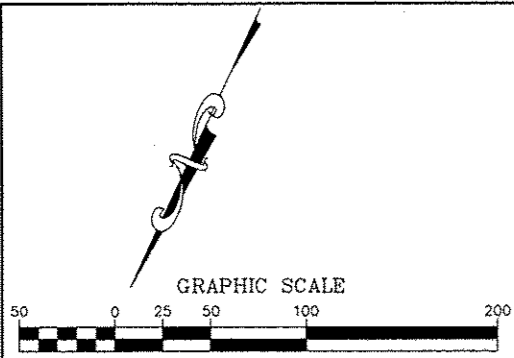


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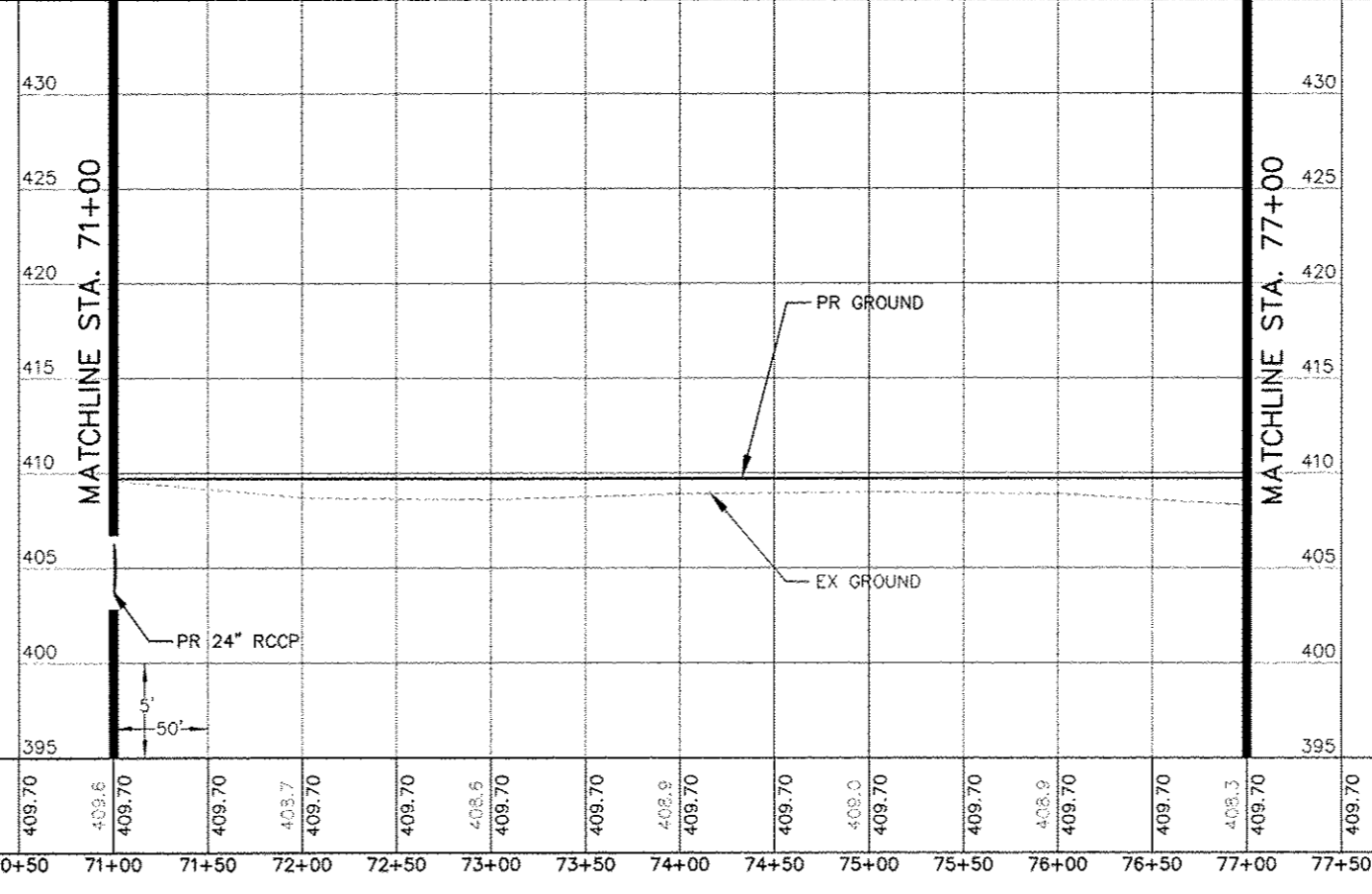
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

QUEENY AVE EXTENSION PLAN - ENLARGED PLAN
 SCALE: 1" = 50' SHEET NO. 6 OF 10 SHEETS STA. 61+00 TO STA. 71+00

RT.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	24
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				



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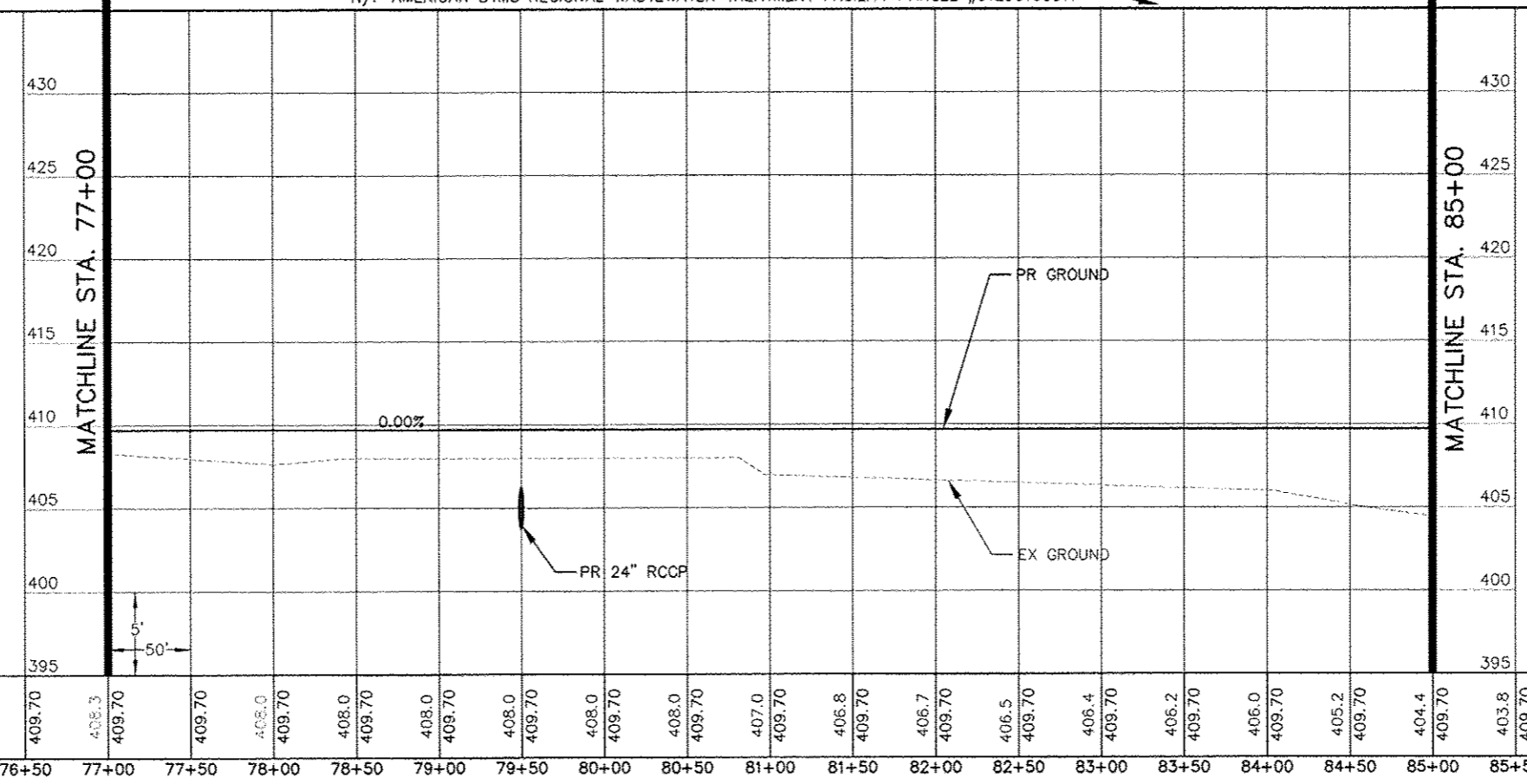
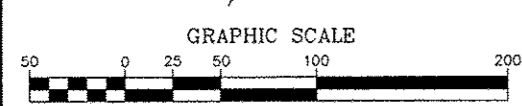
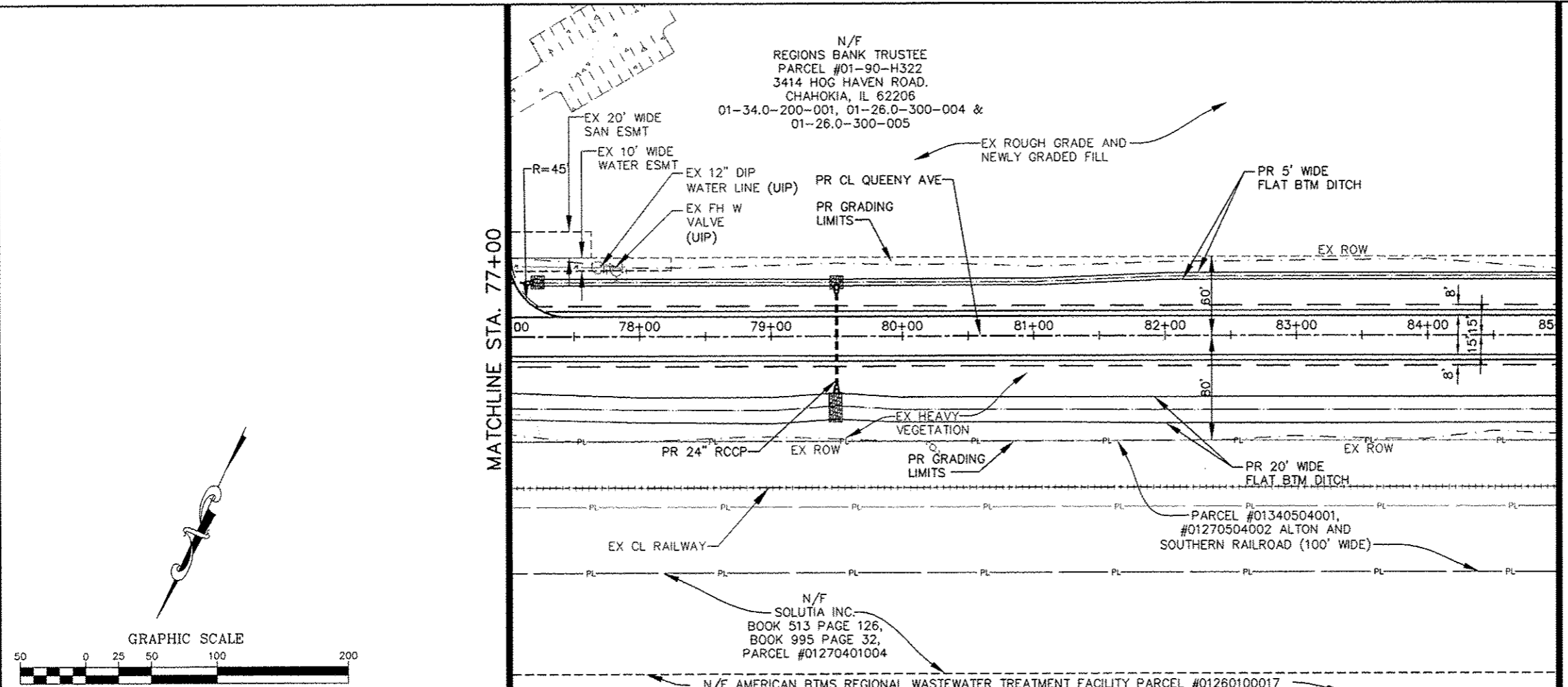


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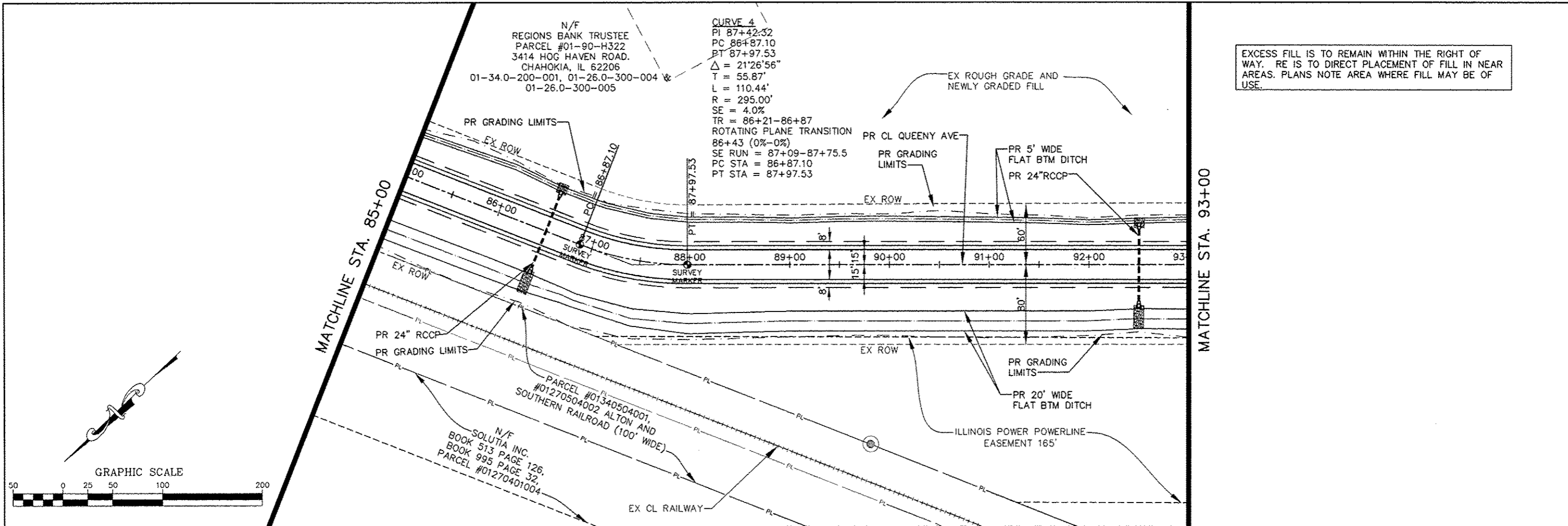
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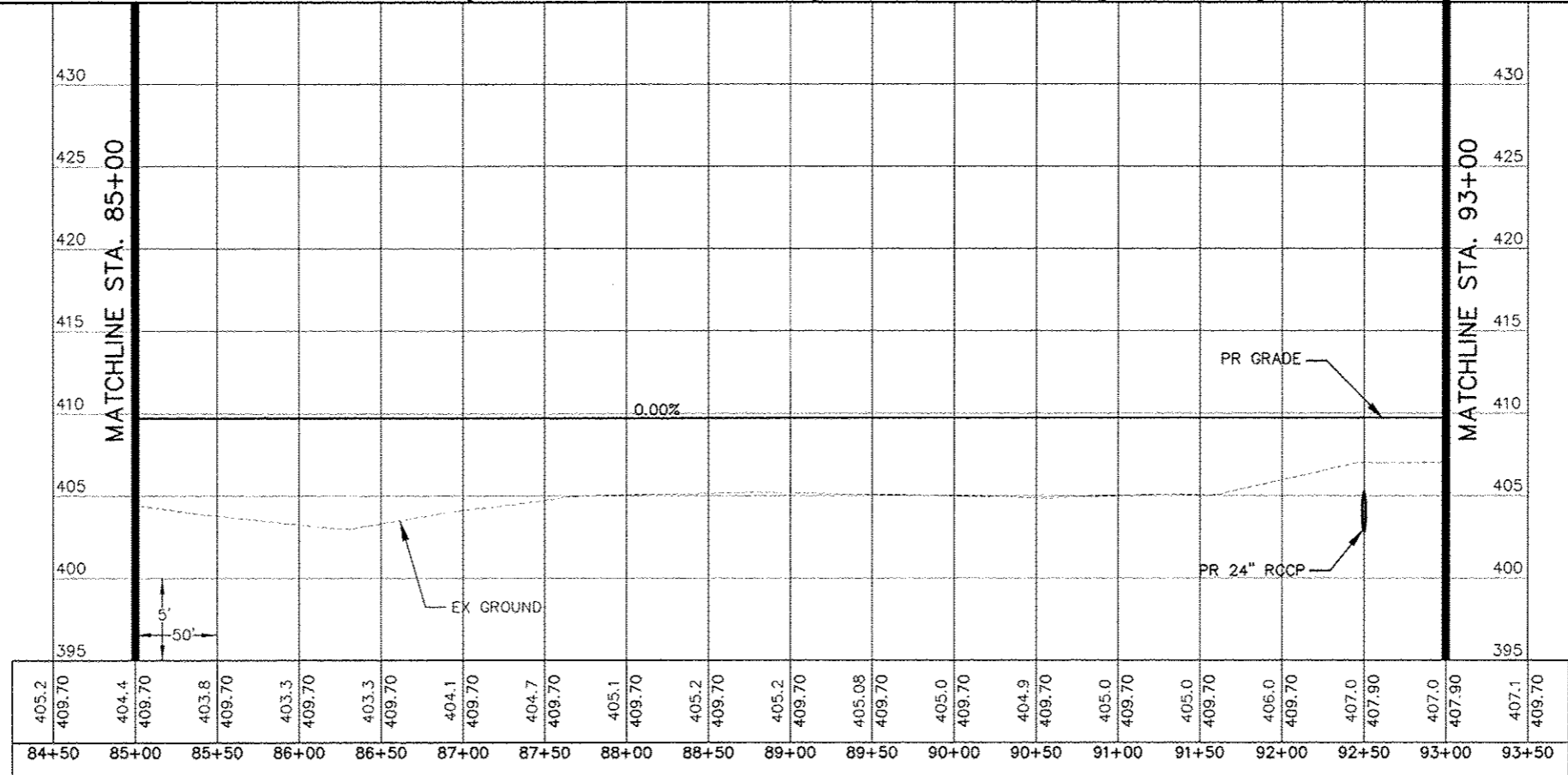
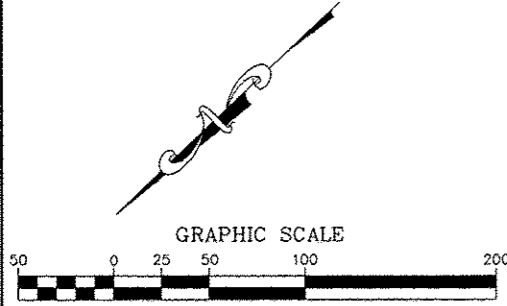
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76+50	77+00	77+50	78+00	78+50	79+00	79+50	80+00	80+50	81+00	81+50	82+00	82+50	83+00	83+50	84+00	84+50	85+00	85+50													

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		CHECKED -- JPC	REVISED --					CONTRACT NO. 97485				
		DATE -- 6-28-2012	REVISED --					ILLINOIS FEDERAL AID PROJECT				
PLOT SCALE = 1" = 50'		PLOT DATE = Oct 08, 2013 - 10:27AM		SCALE: 1" = 50'			SHEET NO. 8 OF 10 SHEETS		STA. 77+00 TO STA. 85+00			

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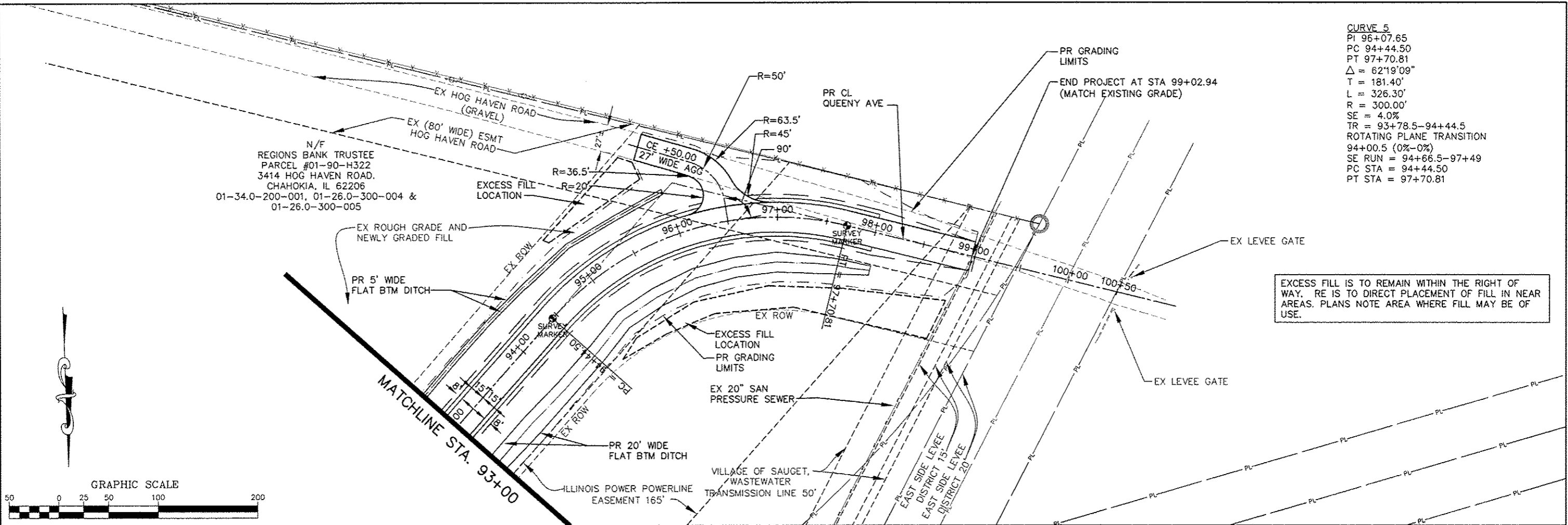


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84+50	85+00	85+50	86+00	86+50	87+00	87+50	88+00	88+50	89+00	89+50	90+00	90+50	91+00	91+50	92+00	92+50	93+00	93+50																			

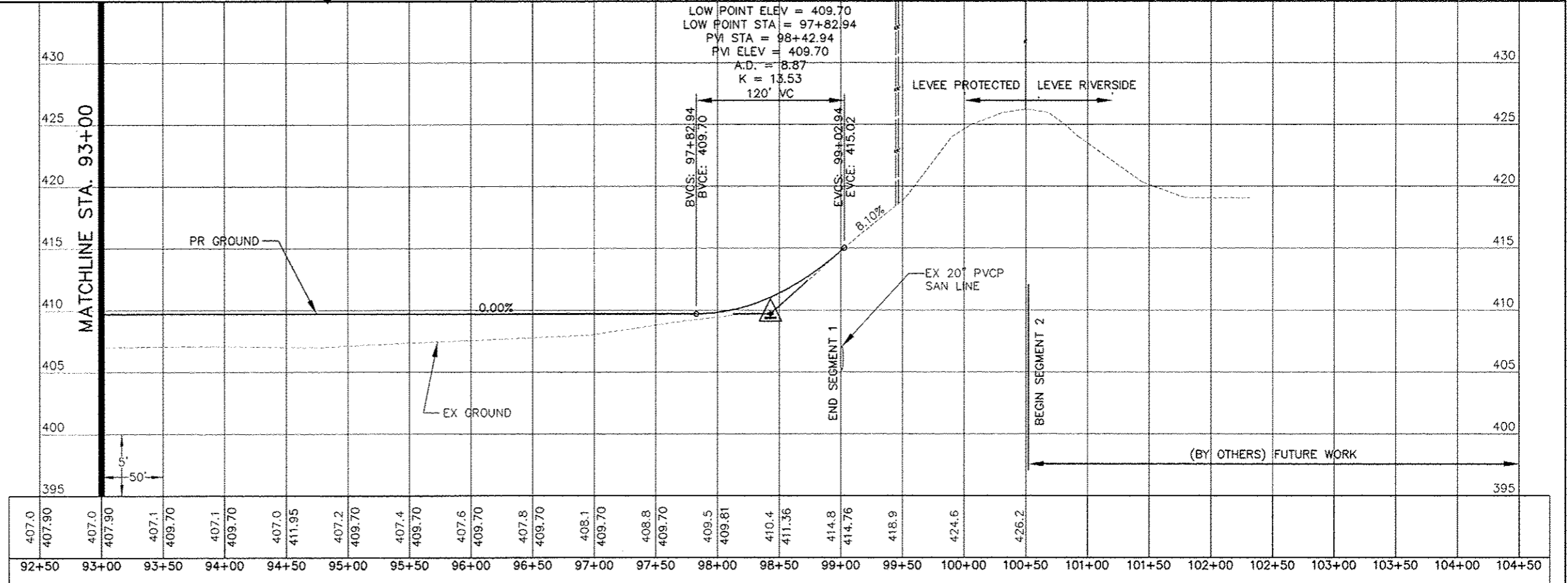
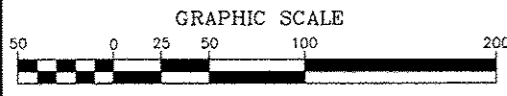
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		DATE = 6-28-2012	REVISED -		ILLINOIS FEDERAL AID PROJECT							
				SCALE: 1" = 50'		SHEET NO. 9 OF 10 SHEETS		STA. 85+00 TO STA. 93+00				

T:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP_LDD_7313-10-3A\dwg\8ID_10_11_2013\7313-10-3 Pln_prf_bid.dwg, PLAN & PROFILE SHEET 8, 10/08/2013 10:29:28 AM, Adobe PDF

CURVE 5
 PI 96+07.65
 PC 94+44.50
 PT 97+70.81
 $\Delta = 62^{\circ}19'09''$
 T = 181.40'
 L = 326.30'
 R = 300.00'
 SE = 4.0%
 TR = 93+78.5-94+44.5
 ROTATING PLANE TRANSITION
 94+00.5 (0%-0%)
 SE RUN = 94+66.5-97+49
 PC STA = 94+44.50
 PT STA = 97+70.81

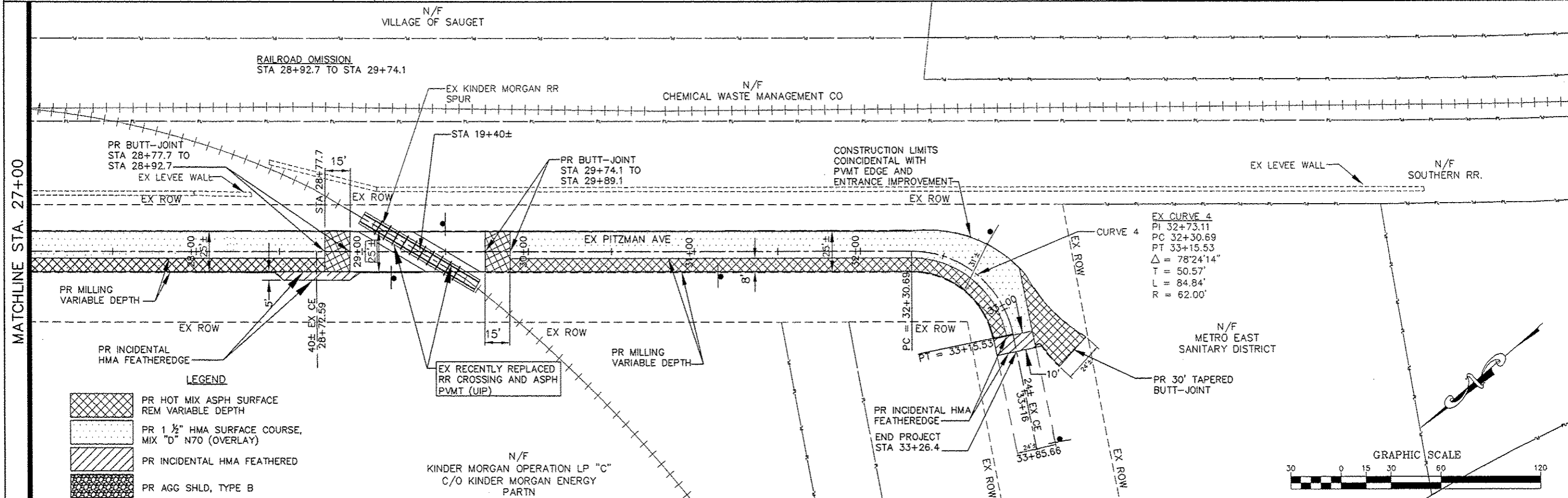
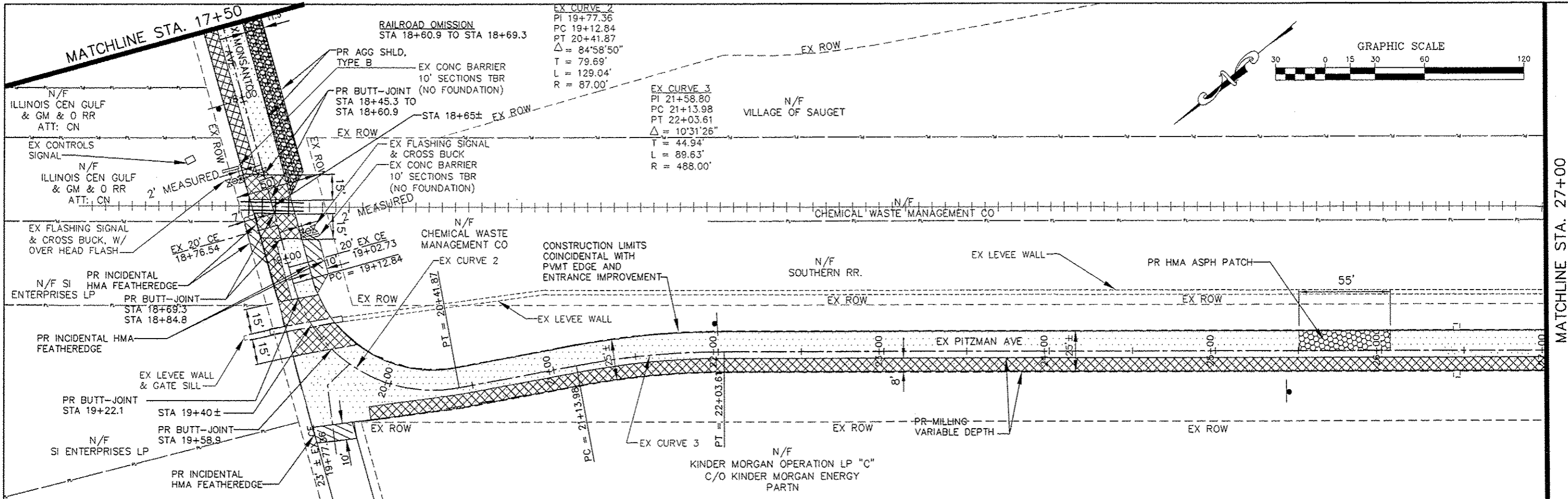


EXCESS FILL IS TO REMAIN WITHIN THE RIGHT OF WAY. RE IS TO DIRECT PLACEMENT OF FILL IN NEAR AREAS. PLANS NOTE AREA WHERE FILL MAY BE OF USE.



FILE NAME =	USER NAME = jpg	DESIGNED - JGP	REVISED - 6-21-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE EXTENSION PLAN AND PROFILE	RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
T:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP_LDD_7313-10-3A\dwg\8ID_10_11_2013\7313-10-3 Pln_prf_bid.dwg		DRAWN - CRO	REVISED - 10-11-2013			05-00012-00-PV	ST. CLAIR	65	28		
PLOT SCALE = 1" = 50'		CHECKED - JGP	REVISED -			CONTRACT NO. 97485					
PLOT DATE = Oct 08, 2013 - 10:29AM		DATE - 6-28-2012	REVISED -			ILLINOIS FEDERAL AID PROJECT					
					SCALE: 1" = 50'	SHEET NO. 10 OF 10 SHEETS	STA. 93+00	TO STA. 101+00			

T:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP_LDD_7313-10-3A\dwg\BID_10_11_2013\7313-09-6 Monsanto & Pitzman Plan.dwg, OVERLAY 2.1 - 2.2, 10/16/2013 2:47:54 PM, Adobe PDF



LEGEND

	PR HOT MIX ASPH SURFACE REM VARIABLE DEPTH
	PR 1 1/2" HMA SURFACE COURSE, MIX "D" N70 (OVERLAY)
	PR INCIDENTAL HMA FEATHERED
	PR AGG SHLD, TYPE B

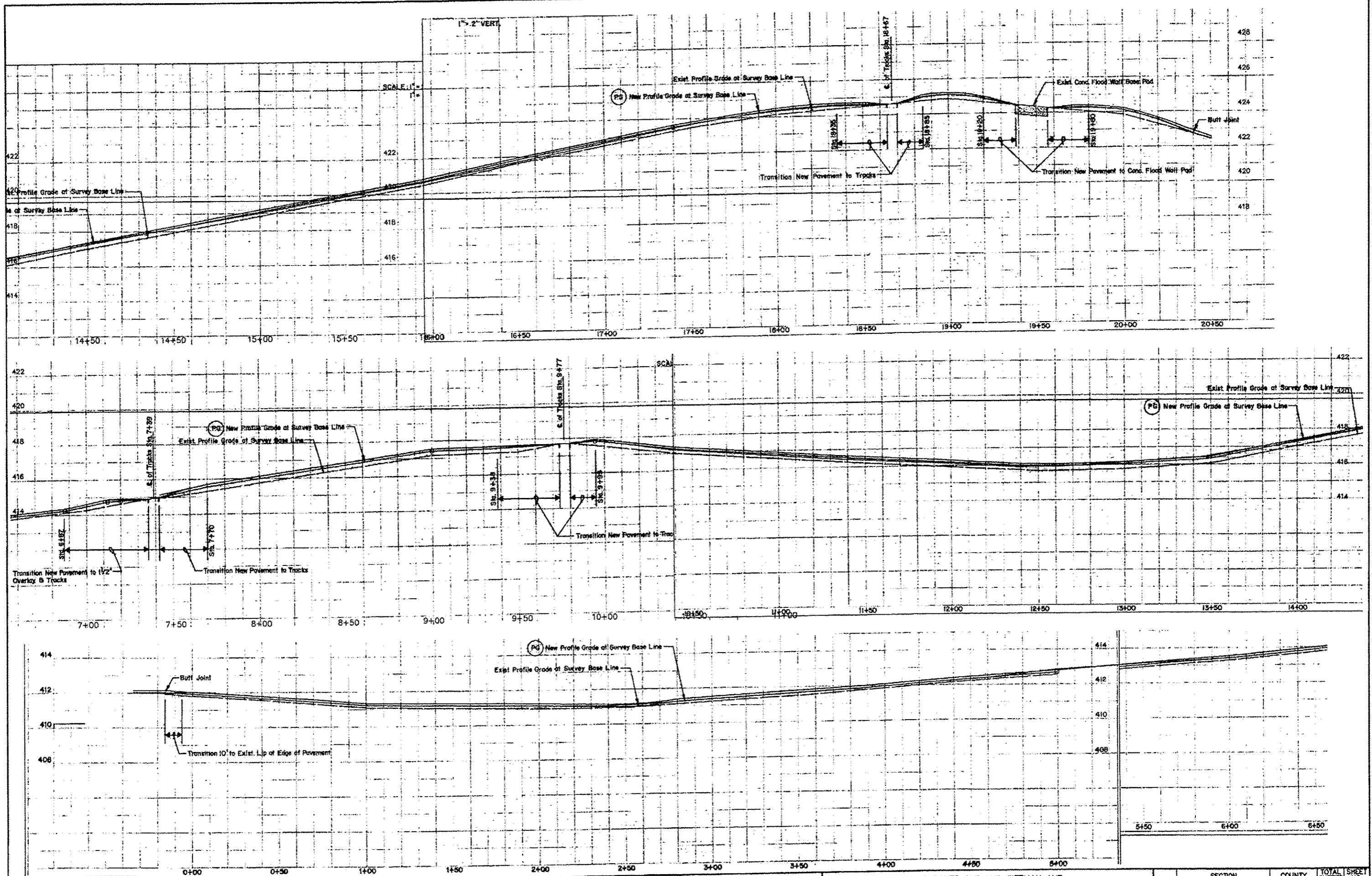
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	PLOT SCALE = 1" = 30'	CHECKED - JFG	REVISED -
	PLOT DATE = Oct 16, 2013 - 2:47PM	DATE - 6-28-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**MONSANTO AVE AND PITZMAN AVE
OVERLAY**

SCALE: 1"=30' SHEET NO. 2 OF 3 SHEETS STA. 17+50 TO STA. 33+50

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-FV	ST. CLAIR	65	30
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				



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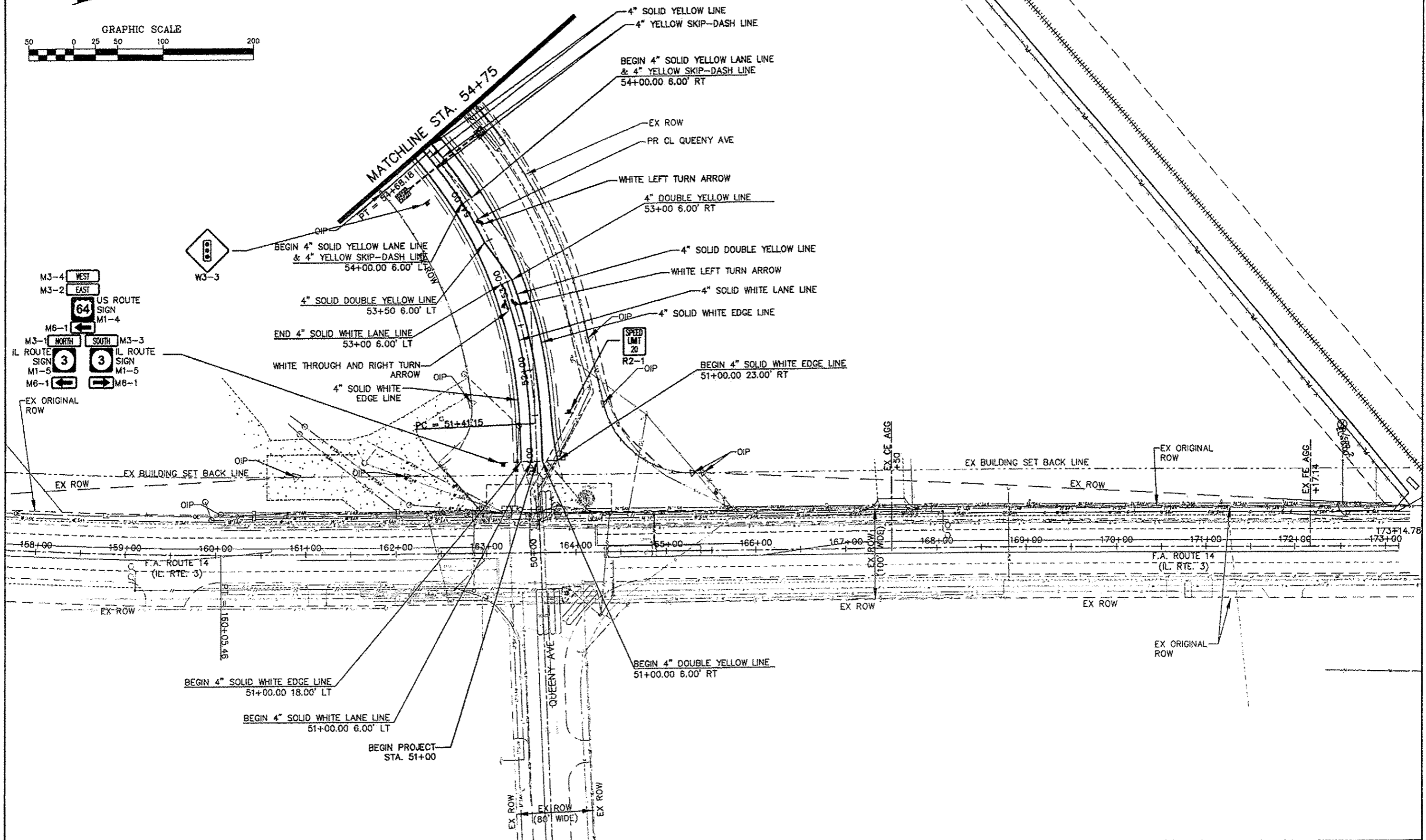
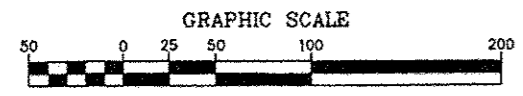
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REVISIONS:
 REVISION NO. | DATE | BY | DESCRIPTION

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

MONSANTO AVE AND PITZMAN AVE
 OVERLAY
 SCALE: 1"=25' | SHEET NO. 3 OF 3 SHEETS | STA. 00+00 TO STA. 20+50

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00D12-00-PV	ST. CLAIR	85	31
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				



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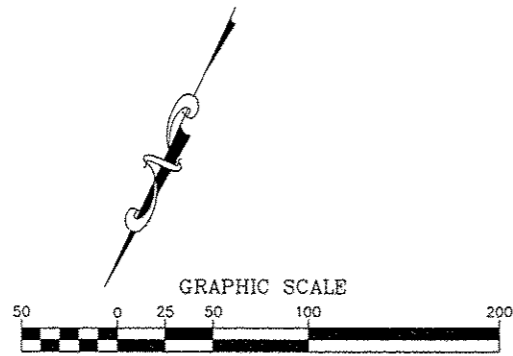
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

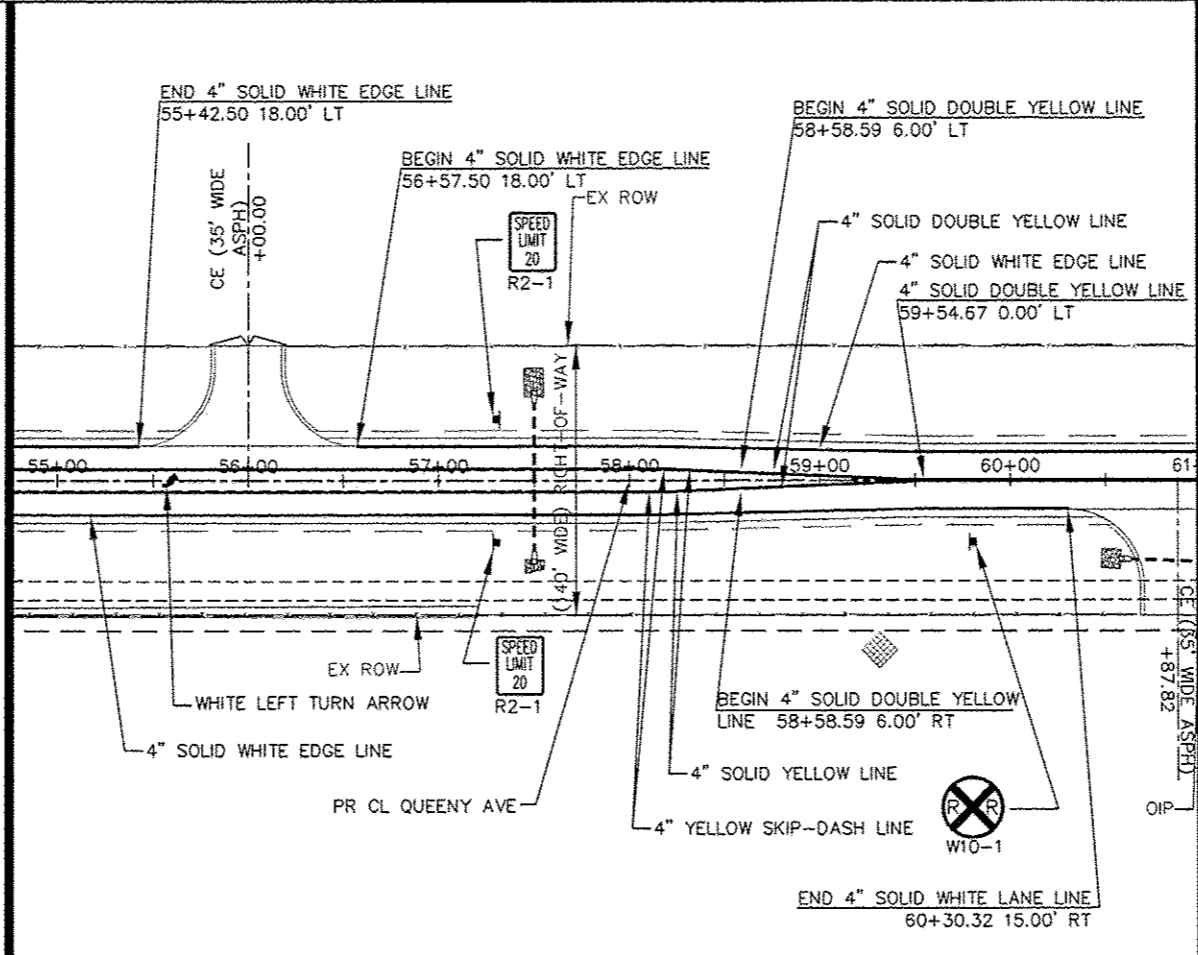
QUEENY AVE EXTENSION STRIPING AND SIGNING PLAN
 SCALE: 1" = 50' | SHEET NO. 1 OF 4 SHEETS | STA. 158+00 TO STA. 173+14.78

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
05	05-00012-00-PV	ST. CLAIR	85	32
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

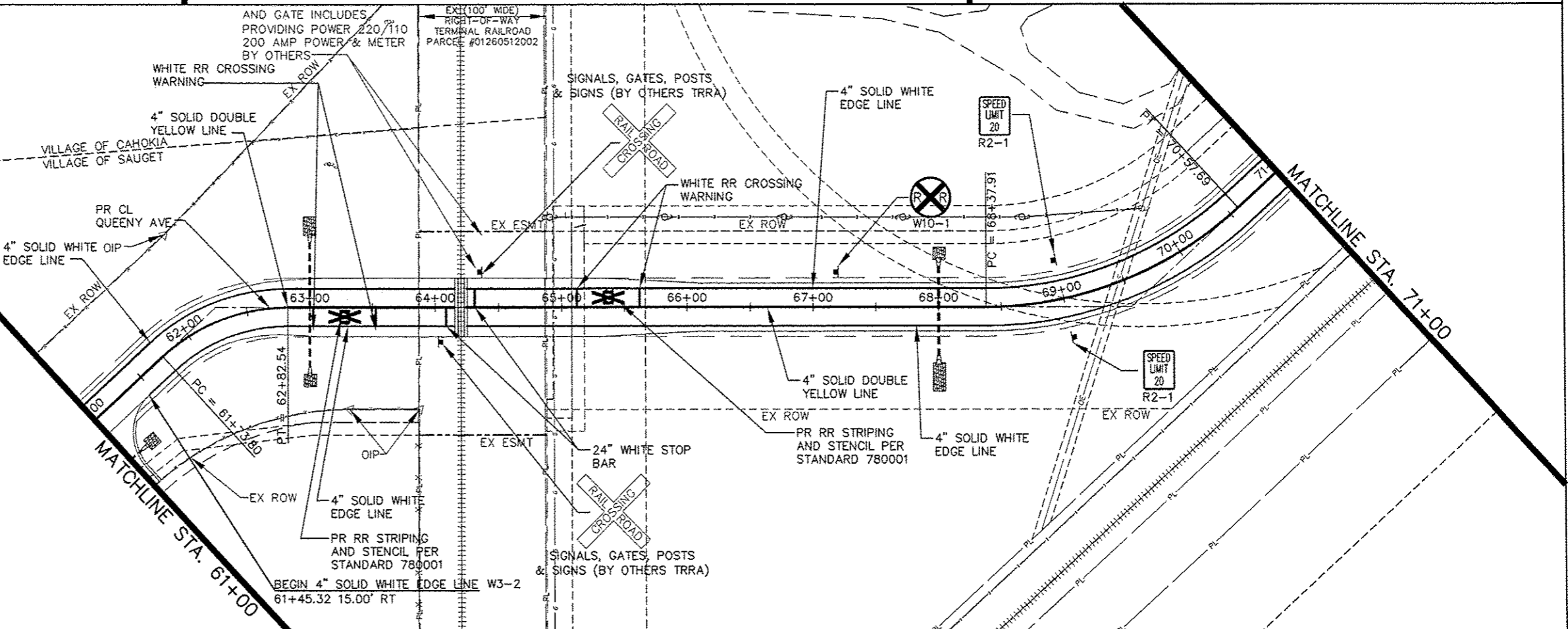
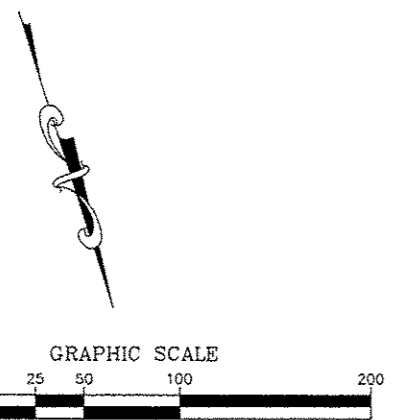
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MATCHLINE STA. 54+75



MATCHLINE STA. 61+00



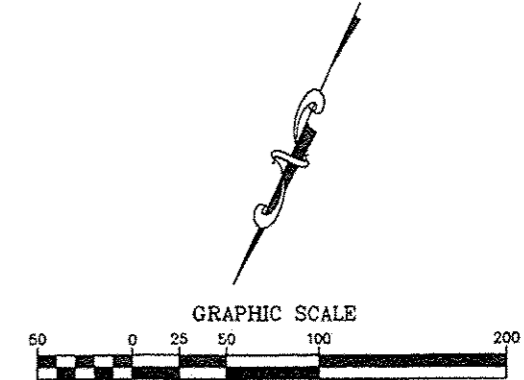
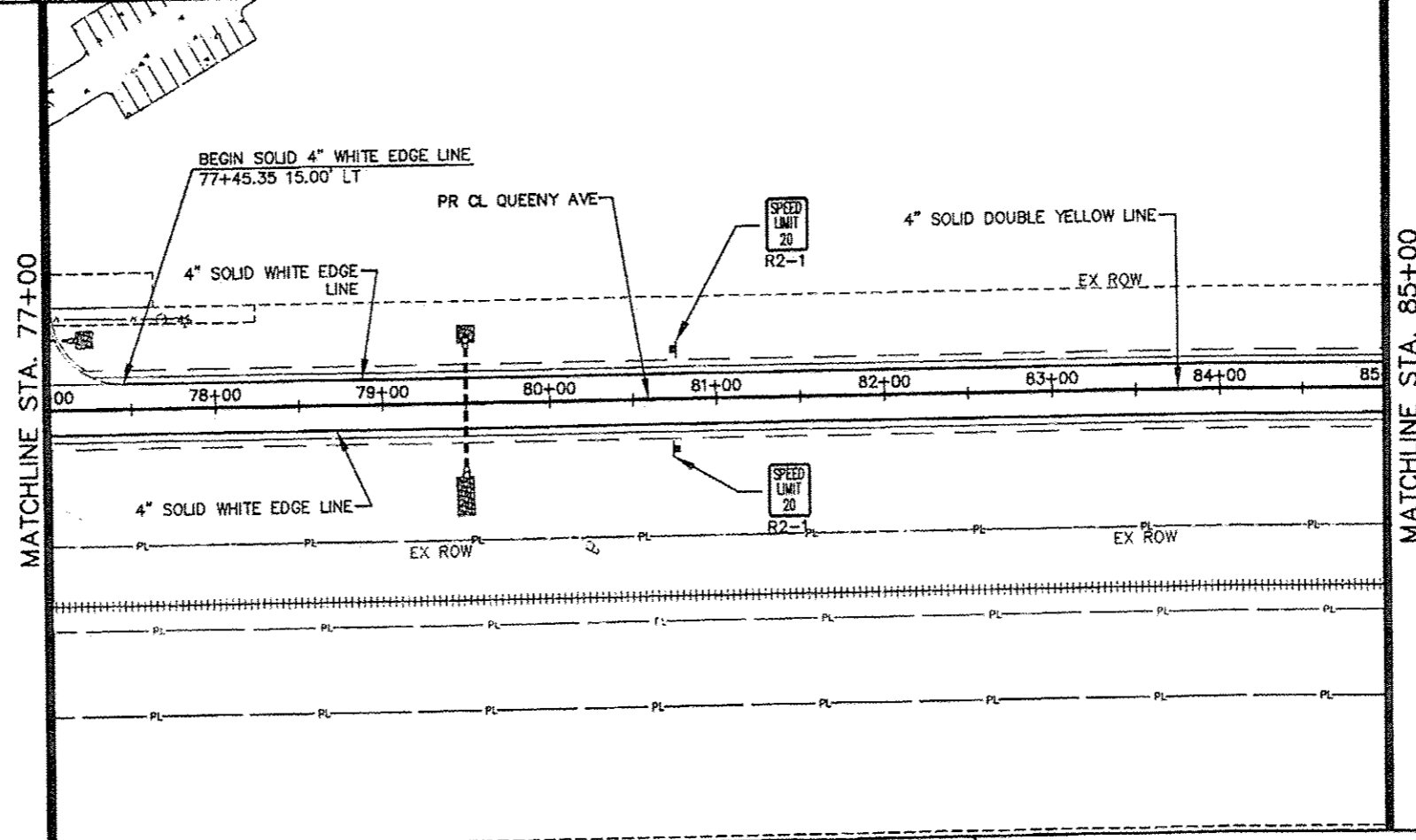
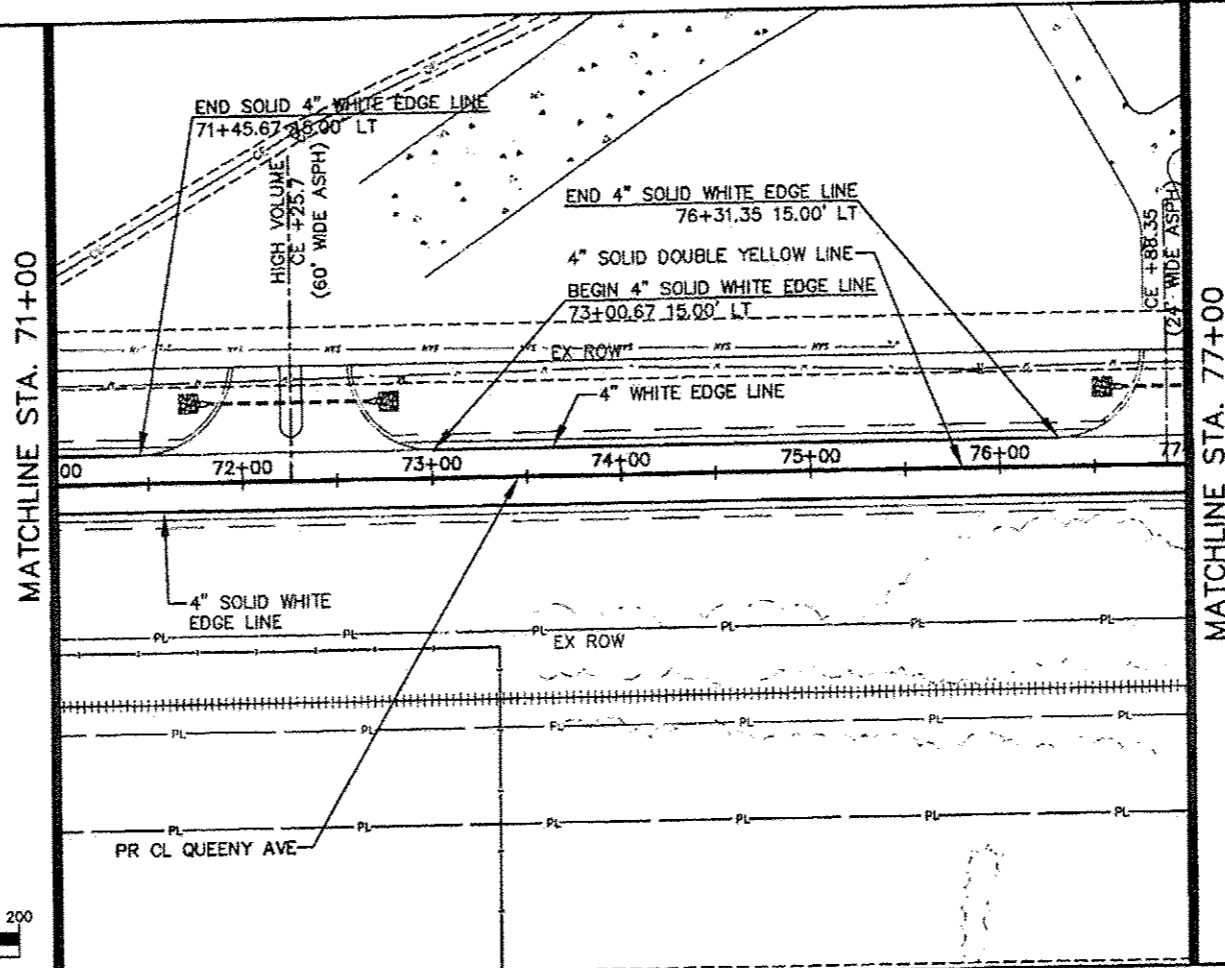
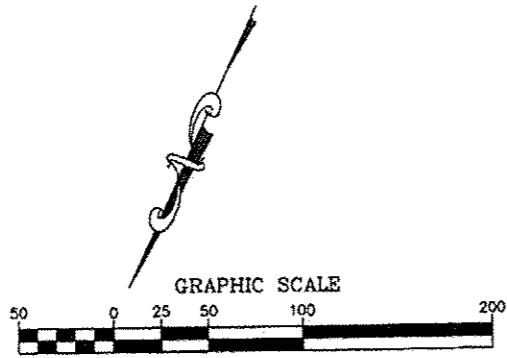
MATCHLINE STA. 71+00

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	PLOT DATE = Oct 15, 2013 - 3:47PM	DATE = 6-28-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE EXTENSION STRIPING AND SIGNING PLAN
SCALE: 1" = 50' SHEET NO. 2 OF 4 SHEETS STA. 54+75 TO STA. 71+00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	33
CONTRACT NO. 97485			ILLINOIS FEDERAL AID PROJECT	



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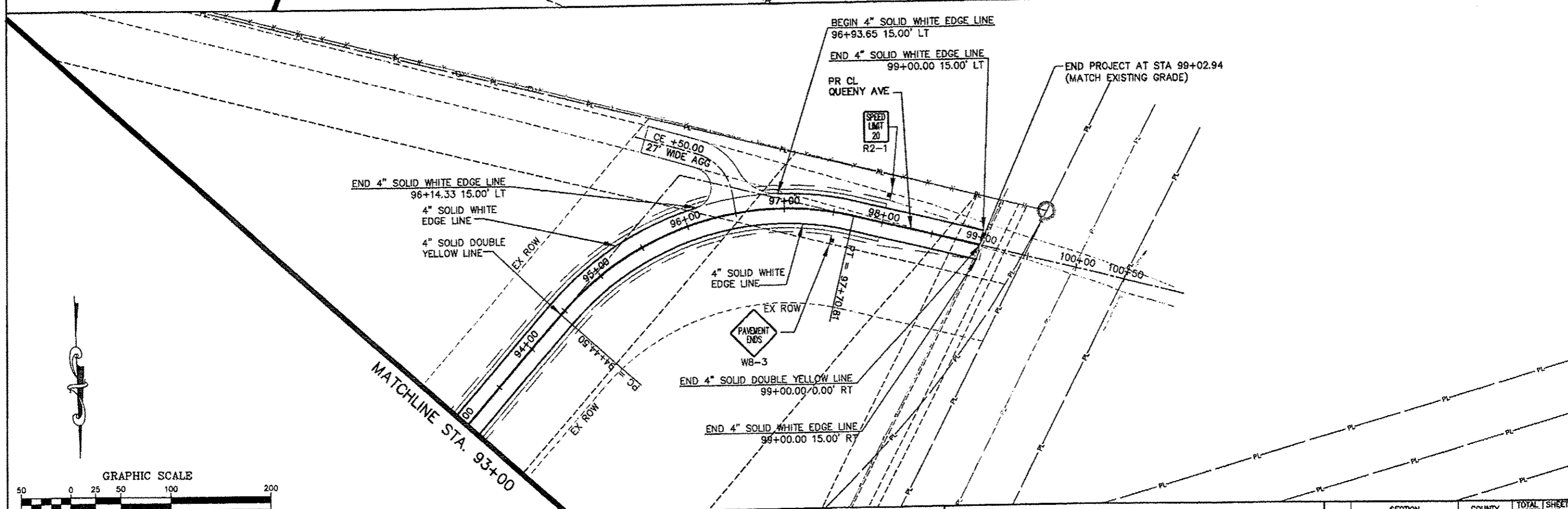
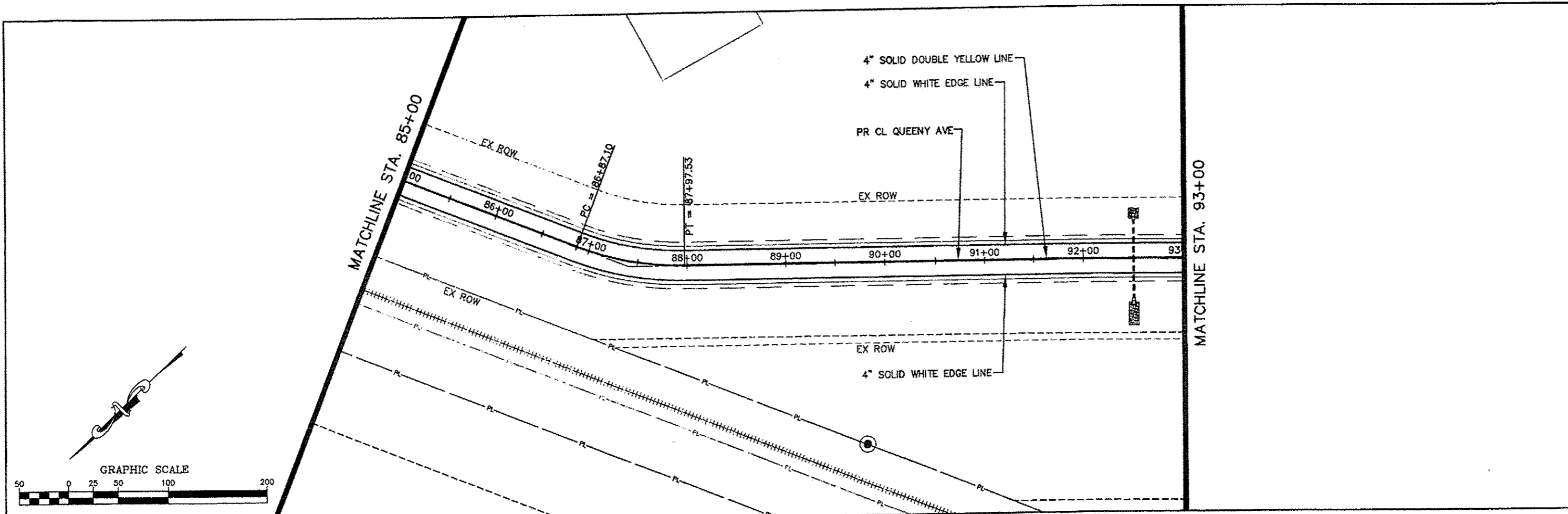
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

QUEENY AVE EXTENSION STRIPING AND SIGNING PLAN
 SCALE: 1" = 50' | SHEET NO. 3 OF 4 SHEETS | STA. 71+00 TO STA. 85+00

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	34
				CONTRACT NO. 97485

ILLINOIS FEDERAL AID PROJECT



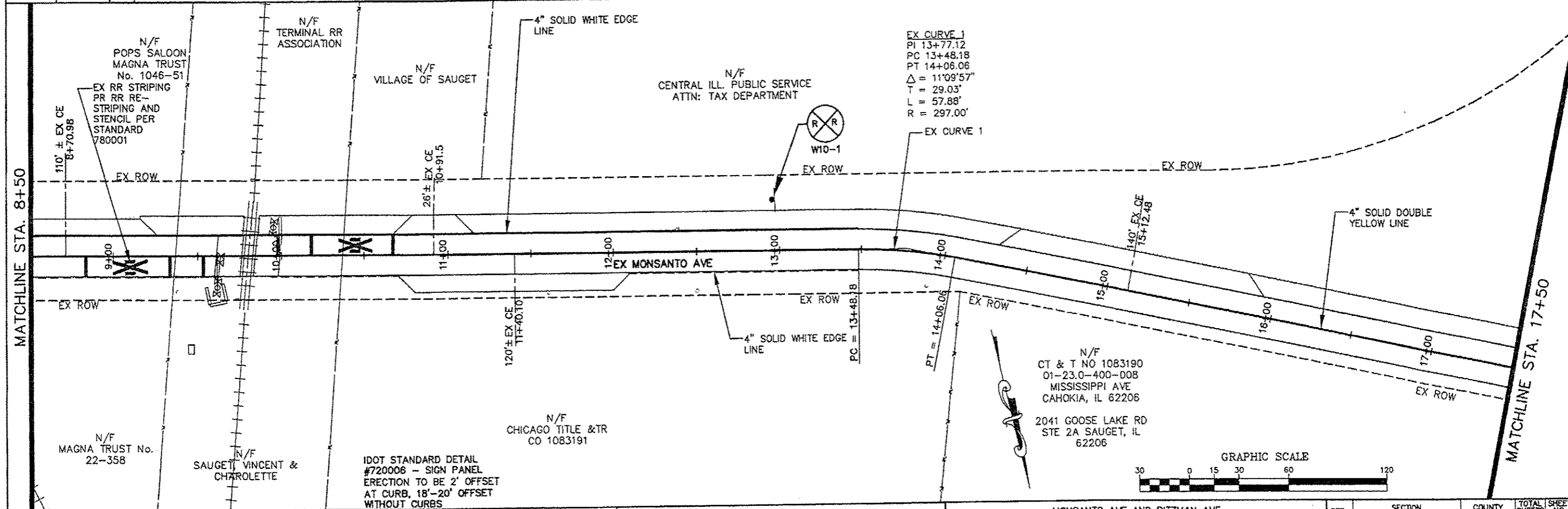
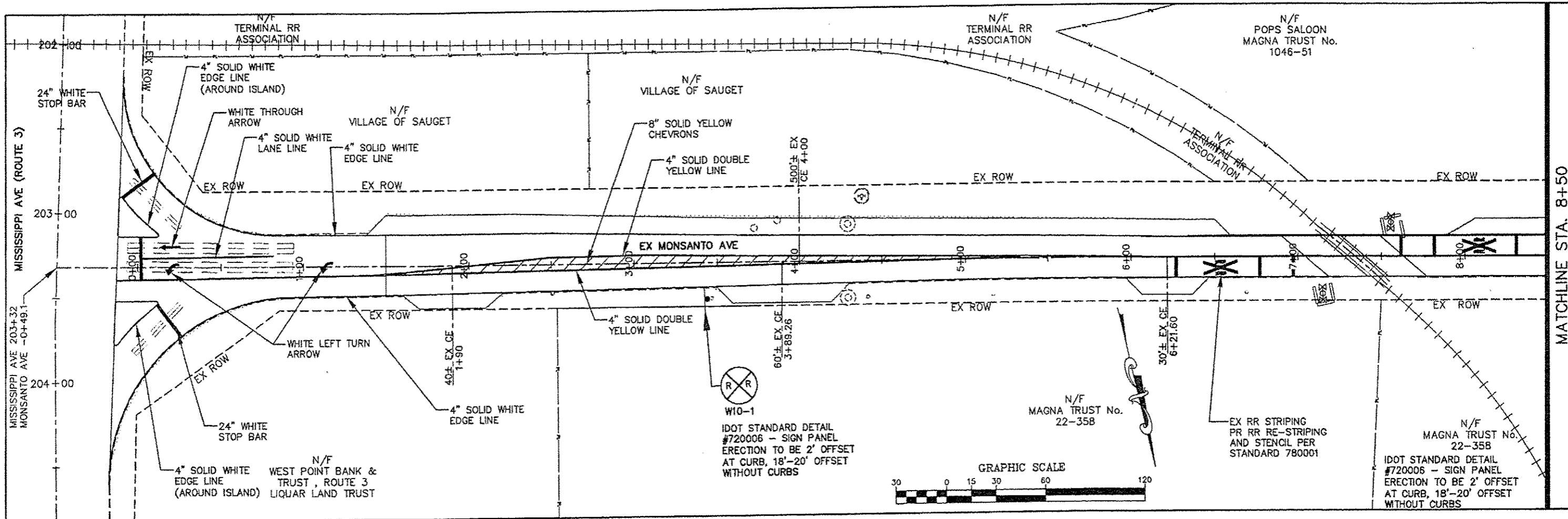
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7313-10-3 STRIPING PLAN.dwg		CHECKED = JPC	REVISED =
DATE = Nov 04 2012 2:18PM		DATE = 6-28-2012	REVISION =

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE EXTENSION STRIPING AND SIGNING PLAN

SCALE: 1" = 50' | SHEET NO. 4 OF 4 SHEETS | STA. 85+00 TO STA. 100+50

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	35
CONTRACT NO. 97485			ILLINOIS FEDERAL AID PROJECT	



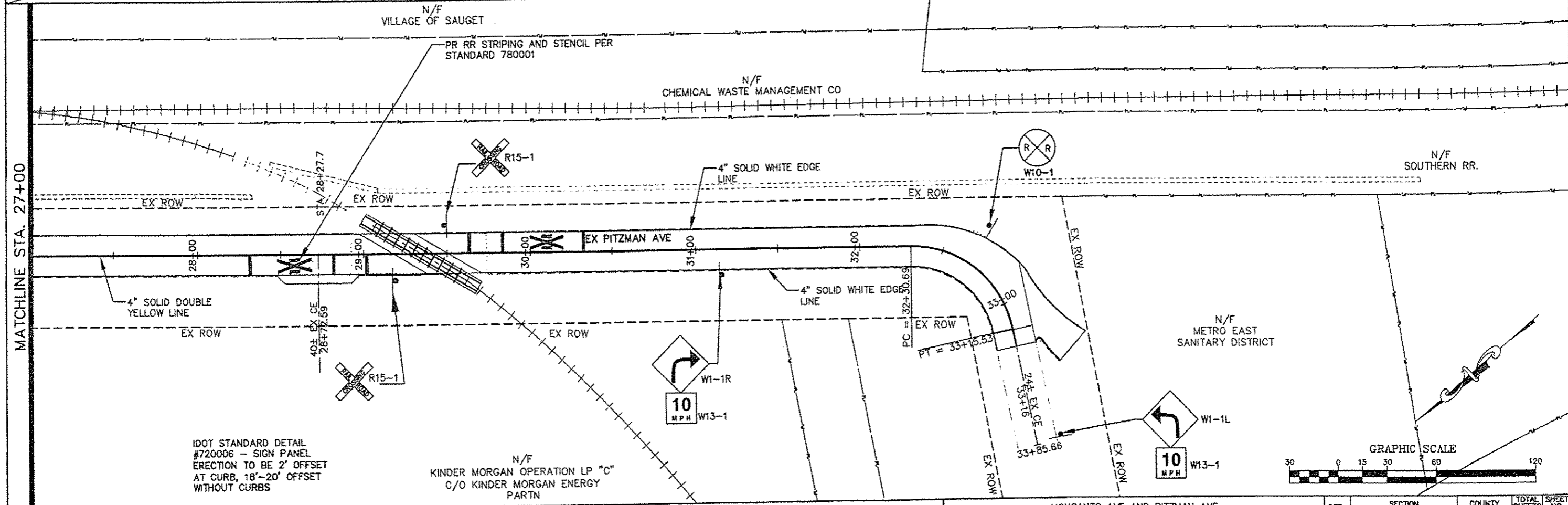
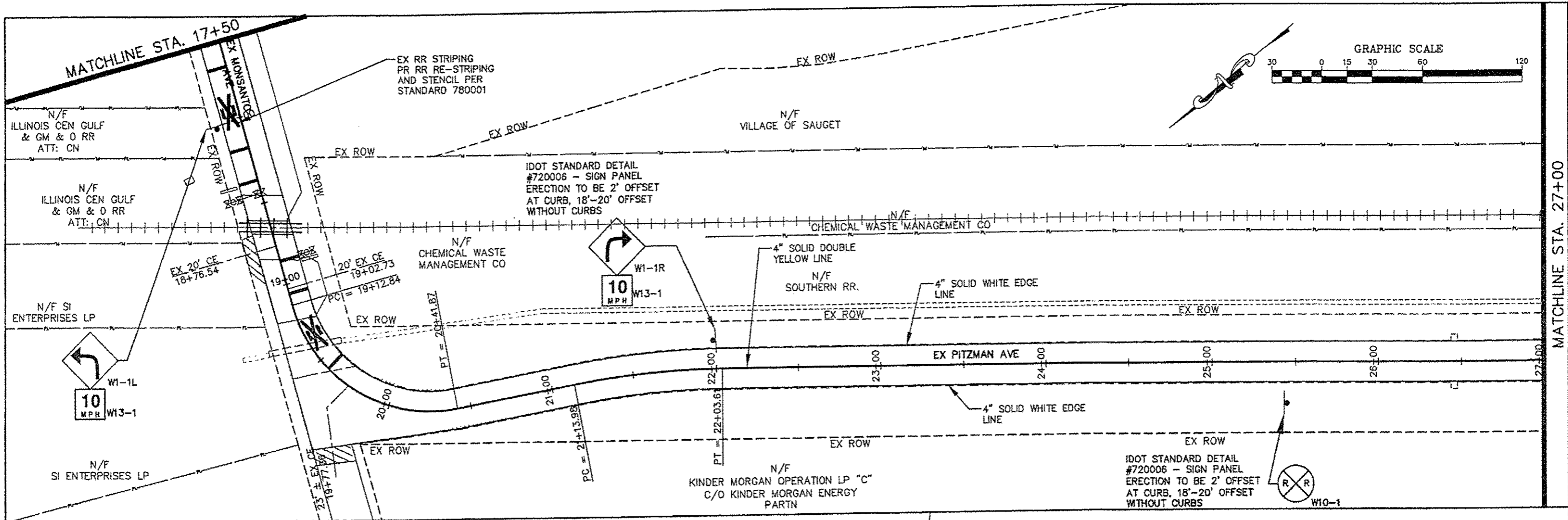
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7313-09-5 Monsanto & Pitzman Striping & Signing	DATE = 6-28-2012		REVISED -
PLOT DATE = Nov 06, 2012 - 5:19PM			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MONSANTO AVE AND PITZMAN AVE
SIGNING & STRIPING PLAN

SCALE: 1"=30' SHEET NO. 1 OF 2 SHEETS STA. 0+00 TO STA. 17+50

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	36
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				



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7313-09-8 Monsanto & Pitzman Striping & Signing Plan.dwg		CHECKED - JFG	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

MONSANTO AVE AND PITZMAN AVE
SIGNING & STRIPING PLAN

SCALE: 1"=30' | SHEET NO. 2 OF 2 SHEETS | STA. 17+50 TO STA. 33+50

ROUTE	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	85	37

CONTRACT NO. 97485
ILLINOIS FEDERAL AID PROJECT

PHASE I
STAGE 1
MONSANTO PITZMAN:
CONSTRUCTION SIGNAGE - CHANGEABLE MESSAGE BOARDS.

RR - APPROACH SIGNAGE INSTALL, AS WELL AS OTHER SIGNAGE.
MILL RTE 3 MONSANTO INTERSECTION, GUTTER MILL,
COORDINATE RR AND MILL BUTT JOINTS.
PAVEMENT REMOVAL AND REPLACEMENT IF NECESSARY.
REFLECTIVE CRACK CONTROL.
HMA RESURFACING (OVERLAY).

QUEENY EXTENSION

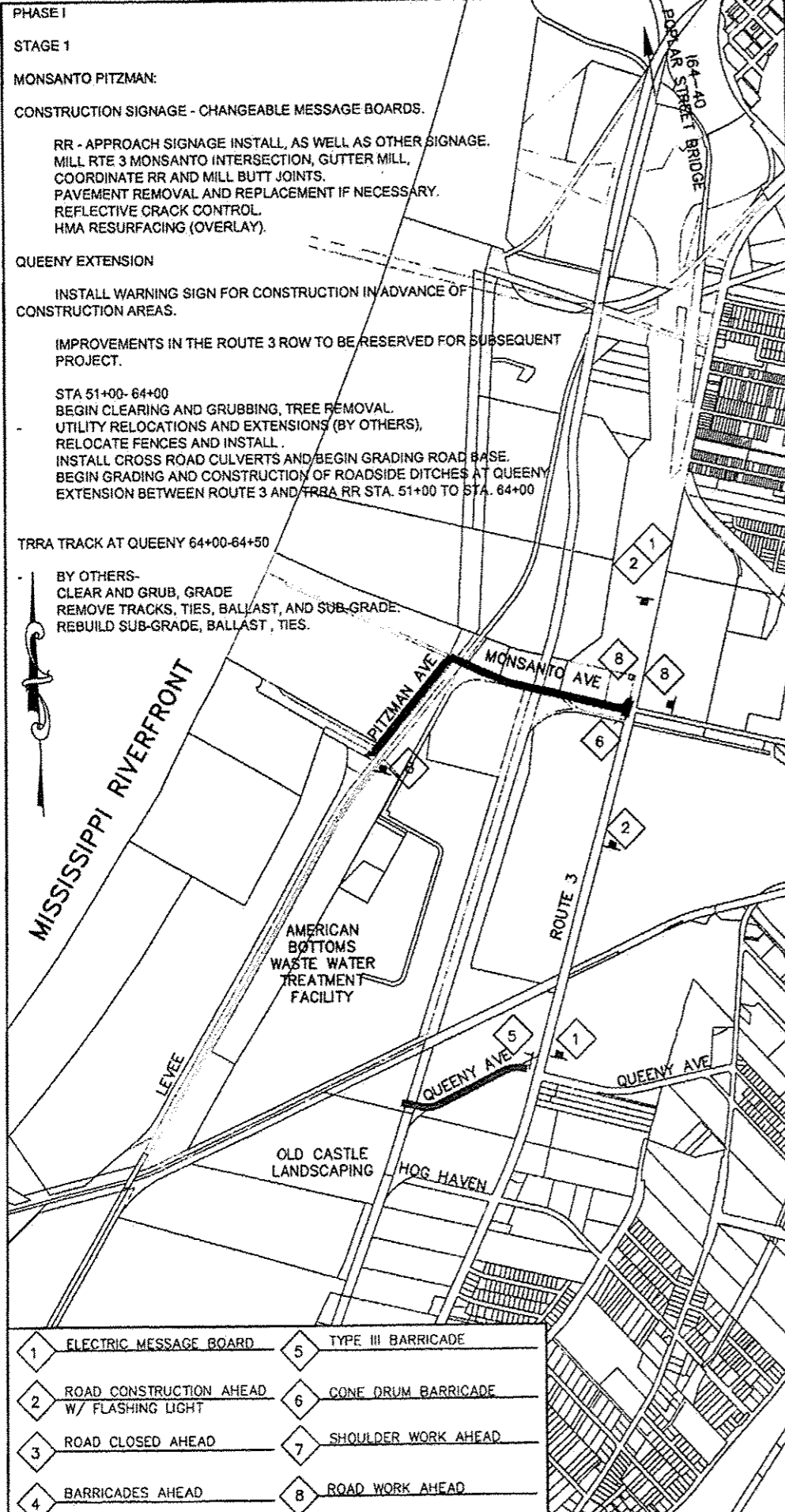
INSTALL WARNING SIGN FOR CONSTRUCTION IN ADVANCE OF
CONSTRUCTION AREAS.

IMPROVEMENTS IN THE ROUTE 3 ROW TO BE RESERVED FOR SUBSEQUENT
PROJECT.

STA 51+00- 64+00
BEGIN CLEARING AND GRUBBING, TREE REMOVAL,
UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS),
RELOCATE FENCES AND INSTALL.
INSTALL CROSS ROAD CULVERTS AND BEGIN GRADING ROAD BASE.
BEGIN GRADING AND CONSTRUCTION OF ROADSIDE DITCHES AT QUEENY
EXTENSION BETWEEN ROUTE 3 AND TRRA RR STA. 51+00 TO STA. 64+00

TRRA TRACK AT QUEENY 64+00-64+50

BY OTHERS-
CLEAR AND GRUB, GRADE
REMOVE TRACKS, TIES, BALLAST, AND SUB-GRADE.
REBUILD SUB-GRADE, BALLAST, TIES.



PHASE I - STAGE 2

MONSANTO PITZMAN:

ADJUST DRIVES AND SHOULDERS ADJACENT TO PAVEMENT, INSTALL MATERIAL,
RE-STRIPE TRAFFIC LANES.
REMOVE CONSTRUCTION SIGNAGE AND DEMOBILIZE.

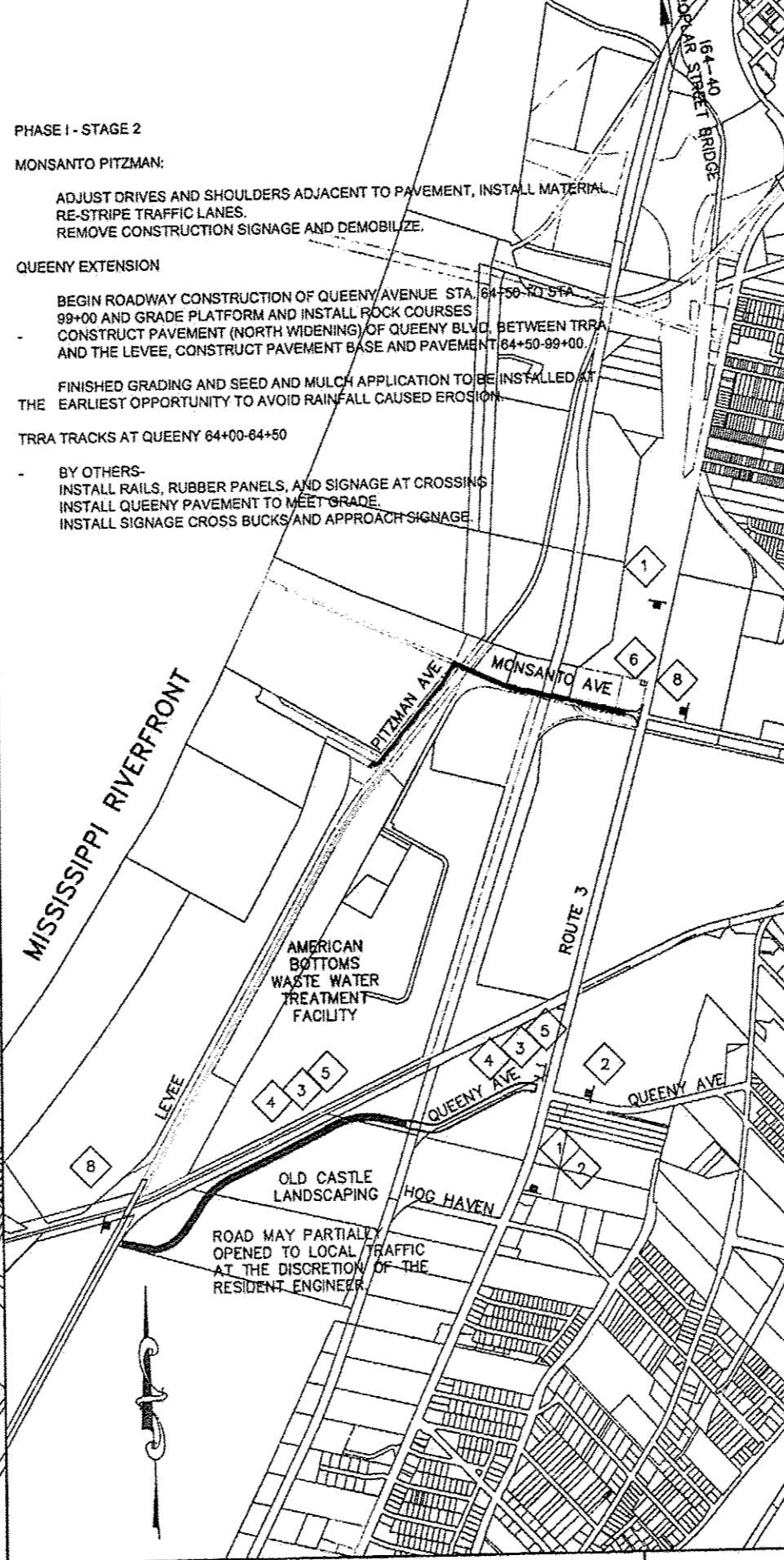
QUEENY EXTENSION

BEGIN ROADWAY CONSTRUCTION OF QUEENY AVENUE STA. 64+50 TO STA.
99+00 AND GRADE PLATFORM AND INSTALL ROCK COURSES
CONSTRUCT PAVEMENT (NORTH WIDENING) OF QUEENY BLVD. BETWEEN TRRA
AND THE LEVEE, CONSTRUCT PAVEMENT BASE AND PAVEMENT 64+50-99+00.

FINISHED GRADING AND SEED AND MULCH APPLICATION TO BE INSTALLED AT
THE EARLIEST OPPORTUNITY TO AVOID RAINFALL CAUSED EROSION.

TRRA TRACKS AT QUEENY 64+00-64+50

BY OTHERS-
INSTALL RAILS, RUBBER PANELS, AND SIGNAGE AT CROSSING
INSTALL QUEENY PAVEMENT TO MEET GRADE.
INSTALL SIGNAGE CROSS BUCKS AND APPROACH SIGNAGE.



PHASE I STAGE 3

MONSANTO PITZMAN

COMPLETED FINAL WALK THROUGH.

QUEENY EXTENSION

INSTALL CONSTRUCTION PAVEMENTS TO CONNECT EXISTING DRIVE
51+00 TO BASE COURSE ROADWAY. SIGN FOR LOCAL TRAFFIC ONLY TO
BE INSTALLED, AND COORDINATE EXISTING SIGNAL WITH THE VILLAGE.
COMPLETE DRIVE TO PROPERTIES AT 72+00 AND 77+00

OPEN TO LOCAL TRAFFIC AT EARLIEST OPPORTUNITY WITH THE FOLLOWING
CONDITIONS.

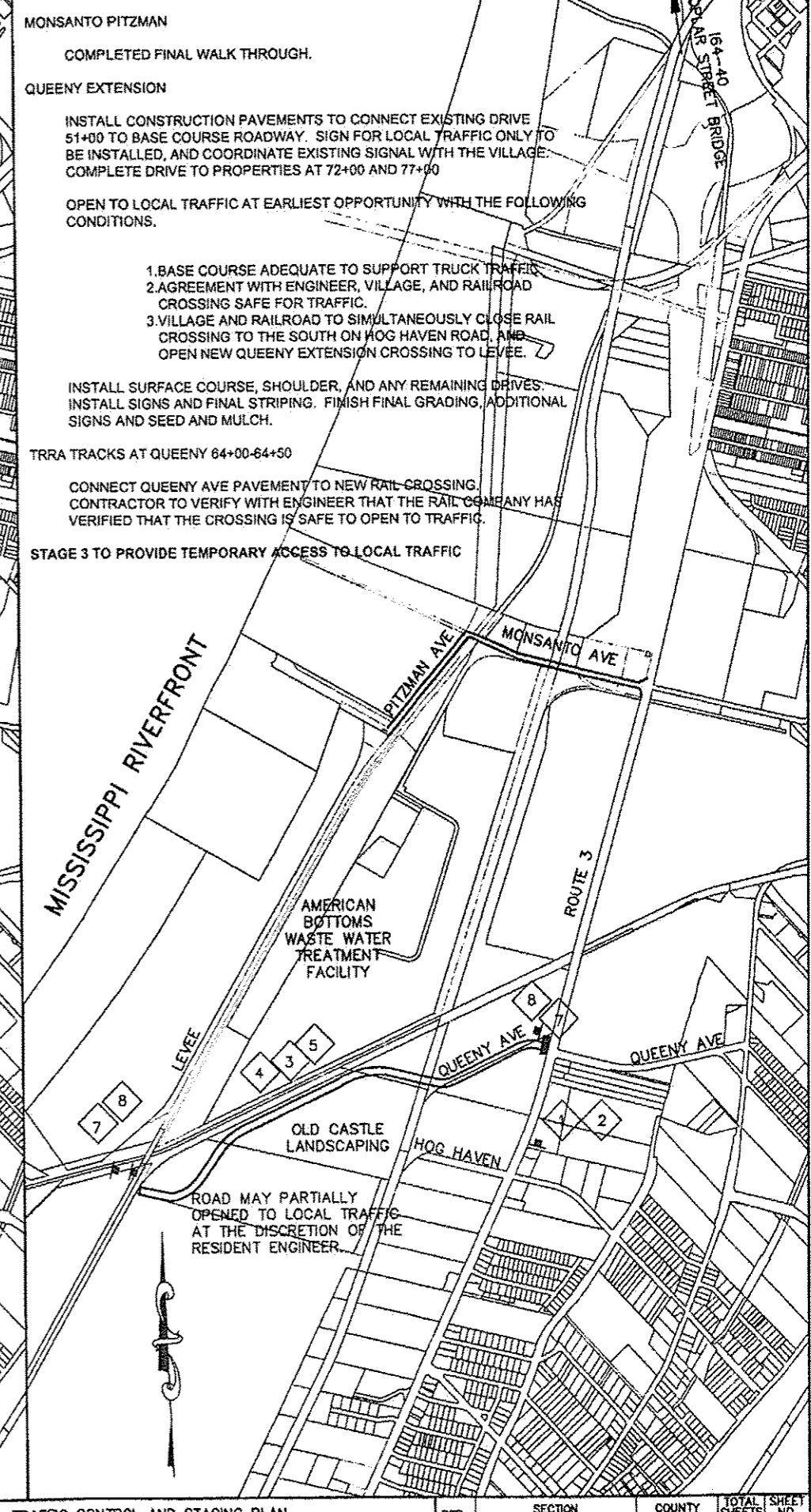
1. BASE COURSE ADEQUATE TO SUPPORT TRUCK TRAFFIC.
2. AGREEMENT WITH ENGINEER, VILLAGE, AND RAILROAD
CROSSING SAFE FOR TRAFFIC.
3. VILLAGE AND RAILROAD TO SIMULTANEOUSLY CLOSE RAIL
CROSSING TO THE SOUTH ON HOG HAVEN ROAD, AND
OPEN NEW QUEENY EXTENSION CROSSING TO LEVEE.

INSTALL SURFACE COURSE, SHOULDER, AND ANY REMAINING DRIVES.
INSTALL SIGNS AND FINAL STRIPING. FINISH FINAL GRADING, ADDITIONAL
SIGNS AND SEED AND MULCH.

TRRA TRACKS AT QUEENY 64+00-64+50

CONNECT QUEENY AVE PAVEMENT TO NEW RAIL CROSSING.
CONTRACTOR TO VERIFY WITH ENGINEER THAT THE RAIL COMPANY HAS
VERIFIED THAT THE CROSSING IS SAFE TO OPEN TO TRAFFIC.

STAGE 3 TO PROVIDE TEMPORARY ACCESS TO LOCAL TRAFFIC



1	ELECTRIC MESSAGE BOARD	5	TYPE III BARRICADE
2	ROAD CONSTRUCTION AHEAD W/ FLASHING LIGHT	6	CONE DRUM BARRICADE
3	ROAD CLOSED AHEAD	7	SHOULDER WORK AHEAD
4	BARRICADES AHEAD	8	ROAD WORK AHEAD

FILE NAME =	USER NAME = jpb	DESIGNED = JPG	REVISED =
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7313-08-5 const signing.dwg		CHECKED = JPG	REVISED =
		DATE = 8-28-2012	REVISED =

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

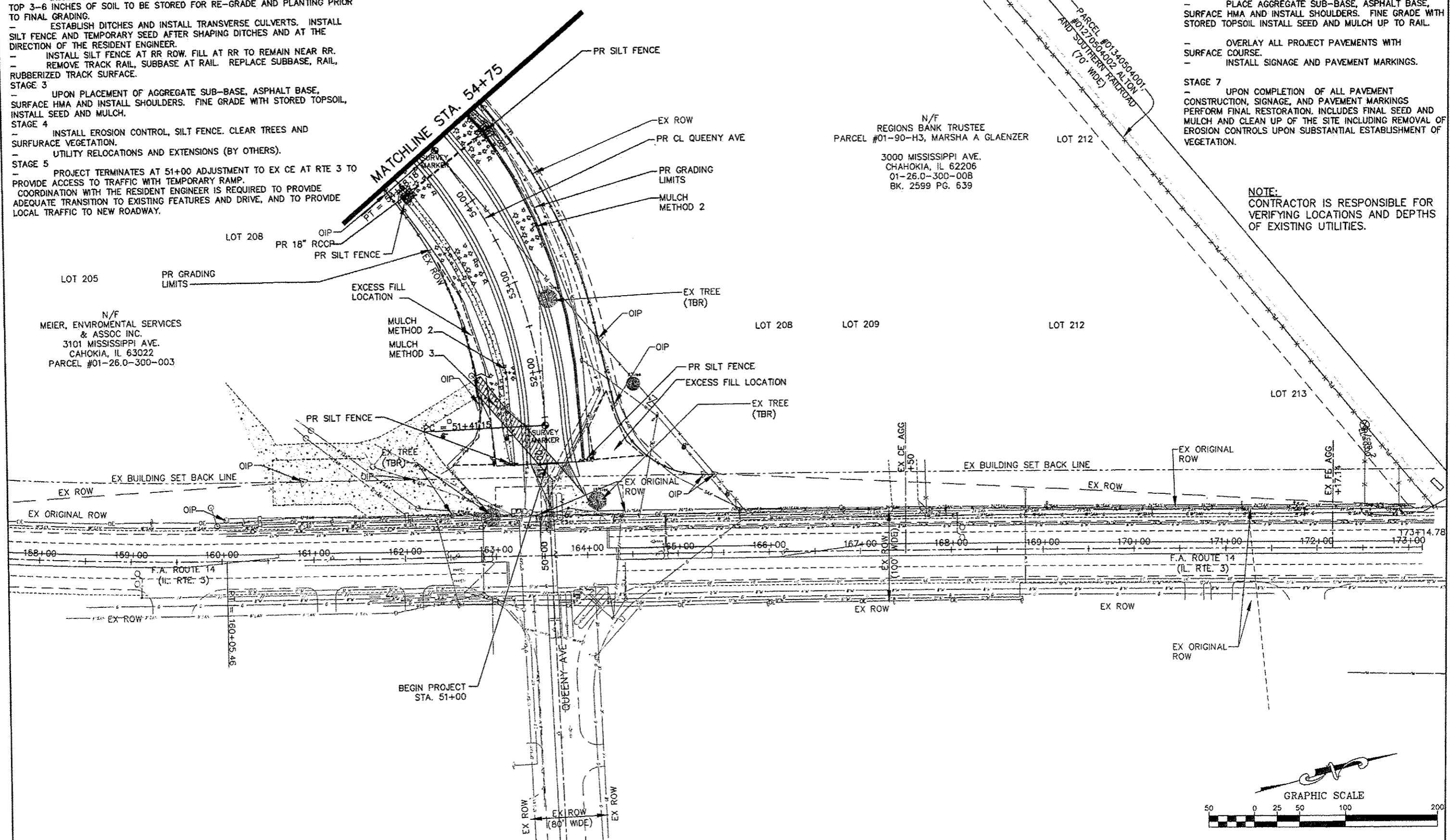
TRAFFIC CONTROL AND STAGING PLAN
QUEENY, MONSANTO AND PITZMAN AVE
SCALE: 1"=30' SHEET NO. 1 OF 1 SHEETS STA. TO STA.

RT#	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	38
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

- STAGE 1
 - INSTALL EROSION CONTROL, SILT FENCE. CLEAR TREES AND SURFACE VEGETATION.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
- STAGE 2
 - BEGIN ROAD GRADING AND PROGRESS AWAY FROM ROUTE 3.
 - TOP 3-6 INCHES OF SOIL TO BE STORED FOR RE-GRADE AND PLANTING PRIOR TO FINAL GRADING.
 - ESTABLISH DITCHES AND INSTALL TRANSVERSE CULVERTS. INSTALL SILT FENCE AND TEMPORARY SEED AFTER SHAPING DITCHES AND AT THE DIRECTION OF THE RESIDENT ENGINEER.
 - INSTALL SILT FENCE AT RR ROW. FILL AT RR TO REMAIN NEAR RR.
 - REMOVE TRACK RAIL, SUBBASE AT RAIL. REPLACE SUBBASE, RAIL, RUBBERIZED TRACK SURFACE.
- STAGE 3
 - UPON PLACEMENT OF AGGREGATE SUB-BASE, ASPHALT BASE, SURFACE HMA AND INSTALL SHOULDERS. FINE GRADE WITH STORED TOPSOIL, INSTALL SEED AND MULCH.
- STAGE 4
 - INSTALL EROSION CONTROL, SILT FENCE. CLEAR TREES AND SURFACE VEGETATION.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
- STAGE 5
 - PROJECT TERMINATES AT 51+00 ADJUSTMENT TO EX CE AT RTE 3 TO PROVIDE ACCESS TO TRAFFIC WITH TEMPORARY RAMP.
 - COORDINATION WITH THE RESIDENT ENGINEER IS REQUIRED TO PROVIDE ADEQUATE TRANSITION TO EXISTING FEATURES AND DRIVE, AND TO PROVIDE LOCAL TRAFFIC TO NEW ROADWAY.

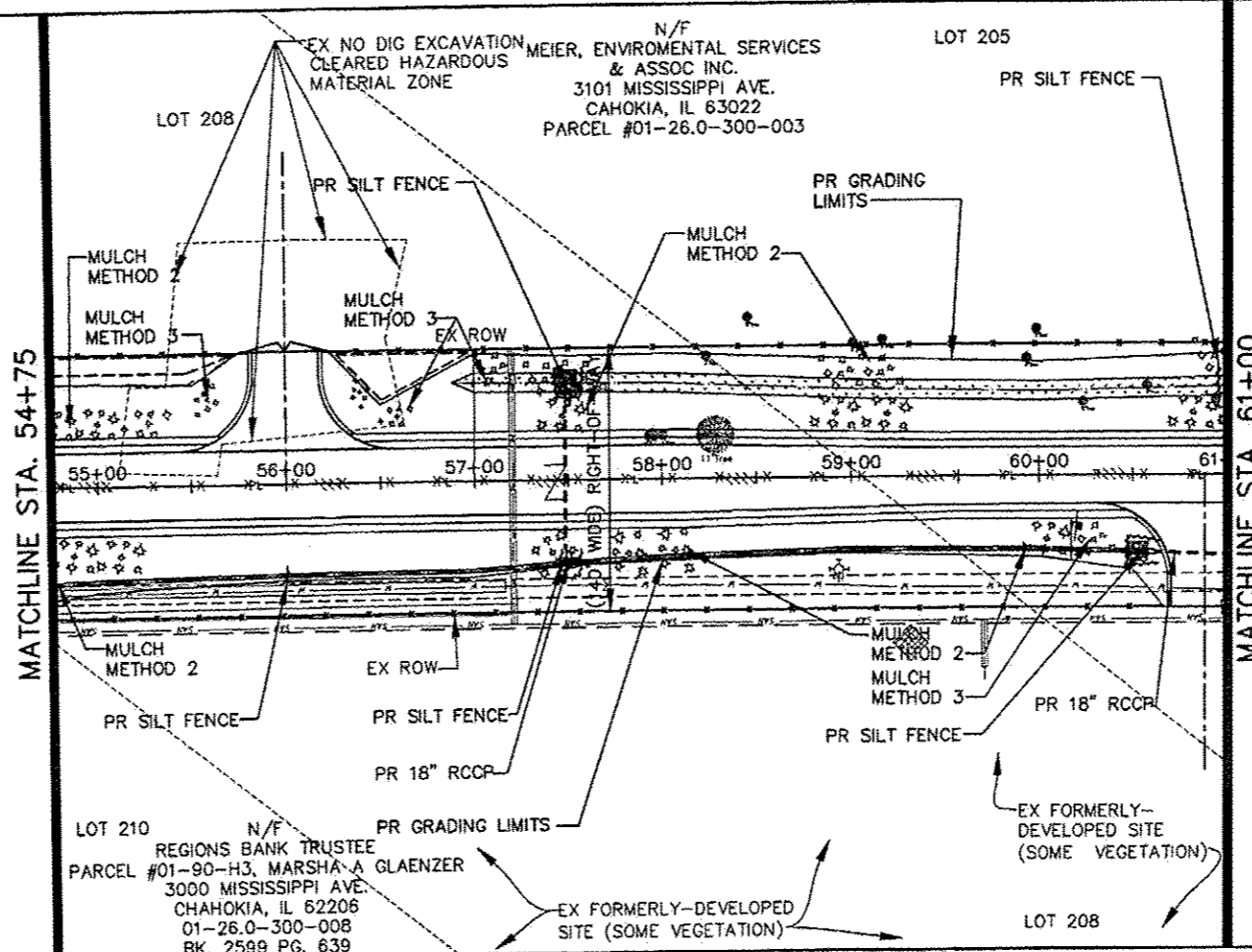
- BEGIN ROAD GRADING AND AWAY FROM RAIL TRACKS. TOP 3-6 INCHES OF SOIL TO BE STORED FOR RE-GRADE AND PLANTING PRIOR TO FINAL GRADING.
 - BEGIN/CREATE DITCHES AT TRANSVERSE CULVERTS. INSTALL SILT FENCE, INSTALL TEMPORARY SEED ONCE INITIAL GRADING IS UNDERWAY.
- STAGE 6
- PLACE AGGREGATE SUB-BASE, ASPHALT BASE, SURFACE HMA AND INSTALL SHOULDERS. FINE GRADE WITH STORED TOPSOIL. INSTALL SEED AND MULCH UP TO RAIL.
 - OVERLAY ALL PROJECT PAVEMENTS WITH SURFACE COURSE.
 - INSTALL SIGNAGE AND PAVEMENT MARKINGS.
- STAGE 7
- UPON COMPLETION OF ALL PAVEMENT CONSTRUCTION, SIGNAGE, AND PAVEMENT MARKINGS PERFORM FINAL RESTORATION. INCLUDES FINAL SEED AND MULCH AND CLEAN UP OF THE SITE INCLUDING REMOVAL OF EROSION CONTROLS UPON SUBSTANTIAL ESTABLISHMENT OF VEGETATION.

NOTE:
CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS AND DEPTHS OF EXISTING UTILITIES.

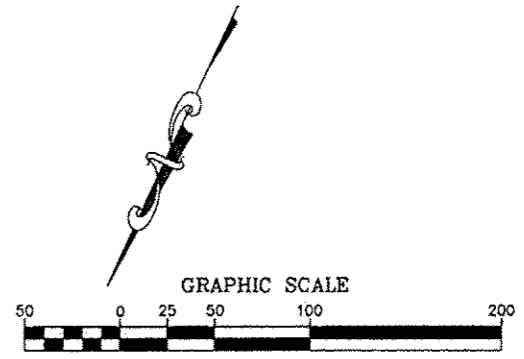


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7313-10-3 EROSION CNTRL PLAN.DWG		CHECKED - JPG	REVISED -		STA. 158+00 TO STA. 173+14.78	CONTRACT NO. 97485				
PLOT DATE = Jun 21, 2013 - 4:08PM		DATE - 6-28-2012	REVISED -		ILLINOIS FEDERAL AID PROJECT					

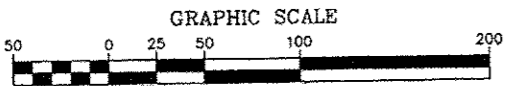
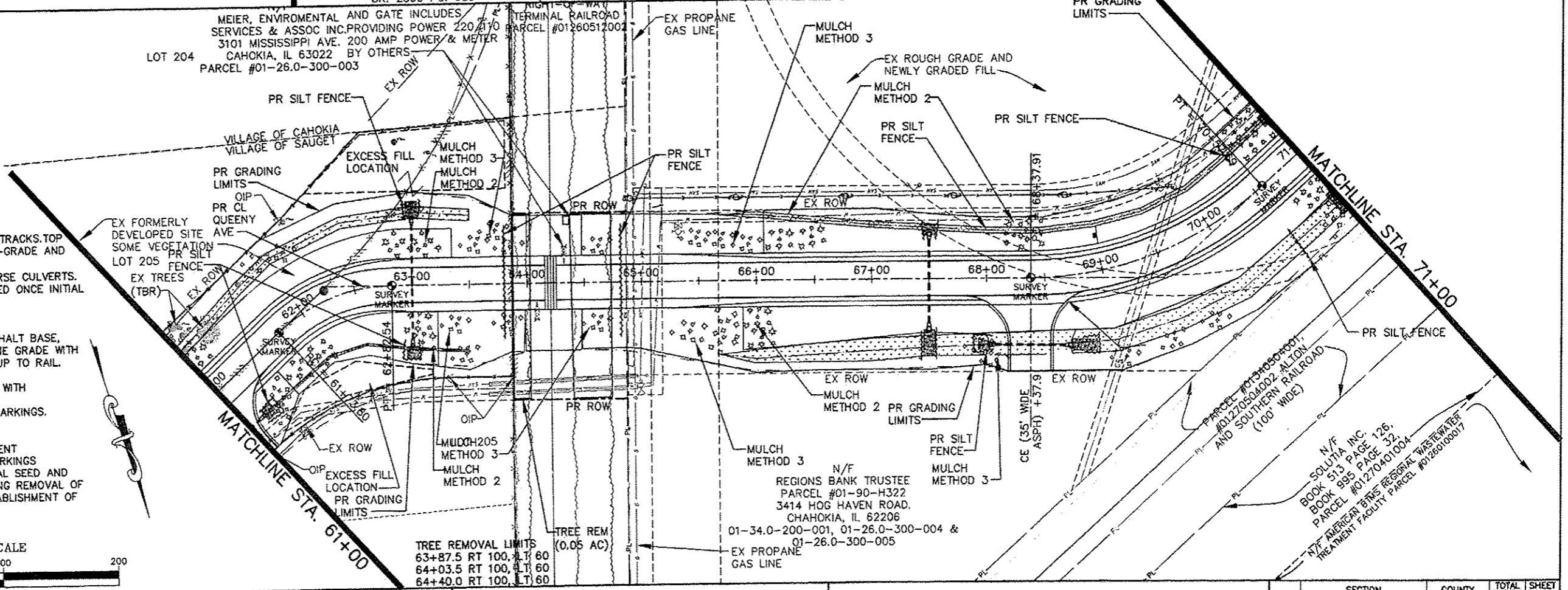
- STAGE 1**
 - INSTALL EROSION CONTROL, SILT FENCE. CLEAR TREES AND SURFACE VEGETATION.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
- STAGE 2**
 - BEGIN ROAD GRADING AND PROGRESS AWAY FROM ROUTE 3.
 - TOP 3-6 INCHES OF SOIL TO BE STORED FOR RE-GRADE AND PLANTING PRIOR TO FINAL GRADING.
 - ESTABLISH DITCHES AND INSTALL TRANSVERSE CULVERTS. INSTALL SILT FENCE AND TEMPORARY SEED AFTER SHAPING DITCHES AND AT THE DIRECTION OF THE RESIDENT ENGINEER.
 - INSTALL SILT FENCE AT RR ROW. FILL AT RR TO REMAIN NEAR RR.
 - REMOVE TRACK RAIL, SUBBASE AT RAIL. REPLACE SUBBASE, RAIL, RUBBERIZED TRACK SURFACE.
- STAGE 3**
 - UPON PLACEMENT OF AGGREGATE SUB-BASE, ASPHALT BASE, SURFACE HMA AND INSTALL SHOULDERS. FINE GRADE WITH STORED TOPSOIL, INSTALL SEED AND MULCH.
- STAGE 4**
 - INSTALL EROSION CONTROL, SILT FENCE. CLEAR TREES AND SURFACE VEGETATION.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
- STAGE 5**
 - PROJECT TERMINATES AT 51+00. ADJUSTMENT TO EX CE AT RTE 3 TO PROVIDE ACCESS TO TRAFFIC WITH TEMPORARY RAMP.
 - COORDINATION WITH THE RESIDENT ENGINEER IS REQUIRED TO PROVIDE ADEQUATE TRANSITION TO EXISTING FEATURES AND DRIVE, AND TO PROVIDE LOCAL TRAFFIC TO NEW ROADWAY.



NOTE:
 CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS AND DEPTHS OF EXISTING UTILITIES.



- BEGIN ROAD GRADING AND AWAY FROM RAIL TRACKS. TOP 3-6 INCHES OF SOIL TO BE STORED FOR RE-GRADE AND PLANTING PRIOR TO FINAL GRADING.**
 - BEGIN/CREATE DITCHES AT TRANSVERSE CULVERTS.
 - INSTALL SILT FENCE, INSTALL TEMPORARY SEED ONCE INITIAL SHAPINGS IS UNDERWAY.
- STAGE 6**
 - PLACE AGGREGATE SUB-BASE, ASPHALT BASE, SURFACE HMA AND INSTALL SHOULDERS. FINE GRADE WITH STORED TOPSOIL INSTALL SEED AND MULCH UP TO RAIL.
 - OVERLAY ALL PROJECT PAVEMENTS WITH SURFACE COURSE.
 - INSTALL SIGNAGE AND PAVEMENT MARKINGS.
- STAGE 7**
 - UPON COMPLETION OF ALL PAVEMENT CONSTRUCTION, SIGNAGE, AND PAVEMENT MARKINGS PERFORM FINAL RESTORATION. INCLUDES FINAL SEED AND MULCH AND CLEAN UP OF THE SITE INCLUDING REMOVAL OF EROSION CONTROLS UPON SUBSTANTIAL ESTABLISHMENT OF VEGETATION.



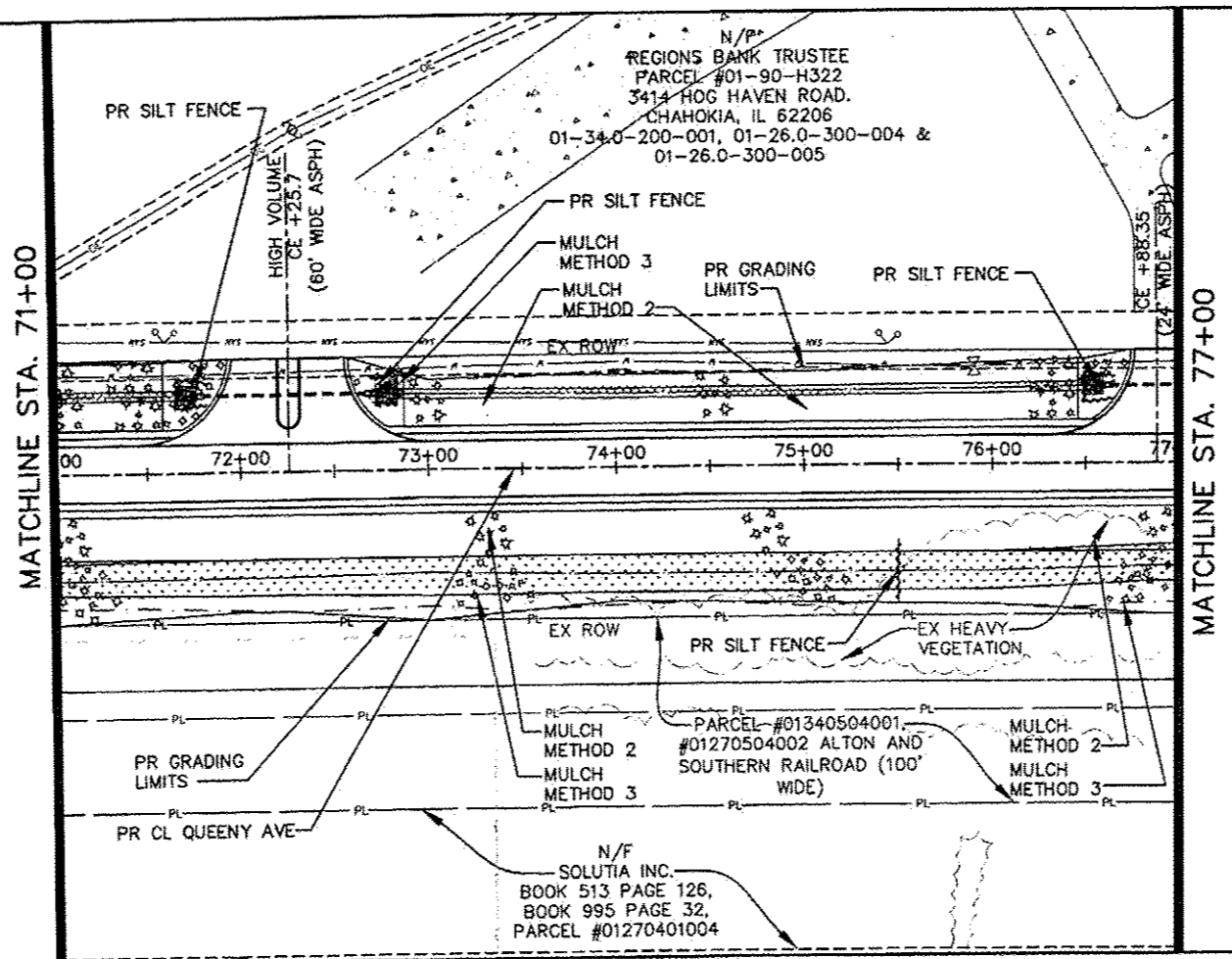
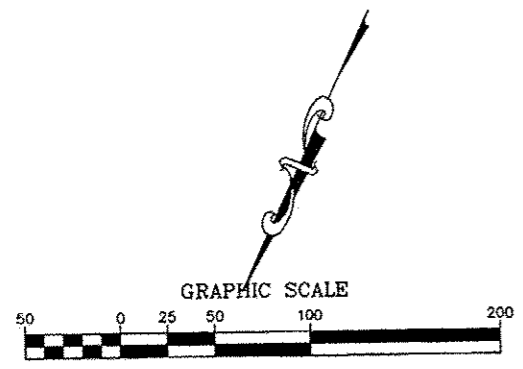
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7313-10-3 EROSION CNTRL PLANBID.dwg		CHECKED - JGP	REVISED -
		DATE - 6-28-2012	REVISED -

SCALE = 1" = 50'	SHEET NO. 2 OF 4 SHEETS	STA. 54+75 TO STA. 71+00
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

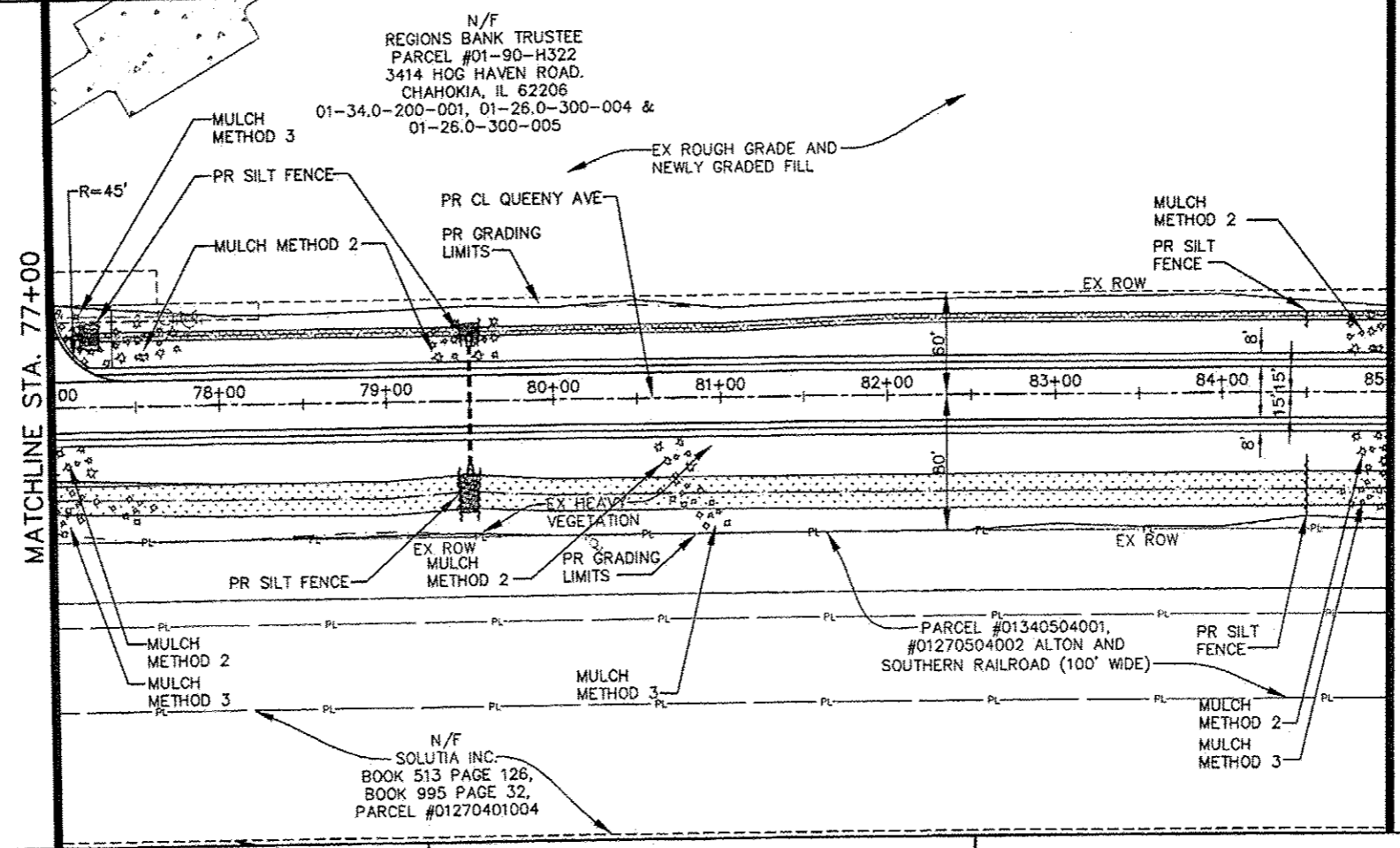
QUEENY AVE EXTENSION EROSION CONTROL PLAN

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	40
			CONTRACT NO. 97485	
ILLINOIS FEDERAL AID PROJECT				



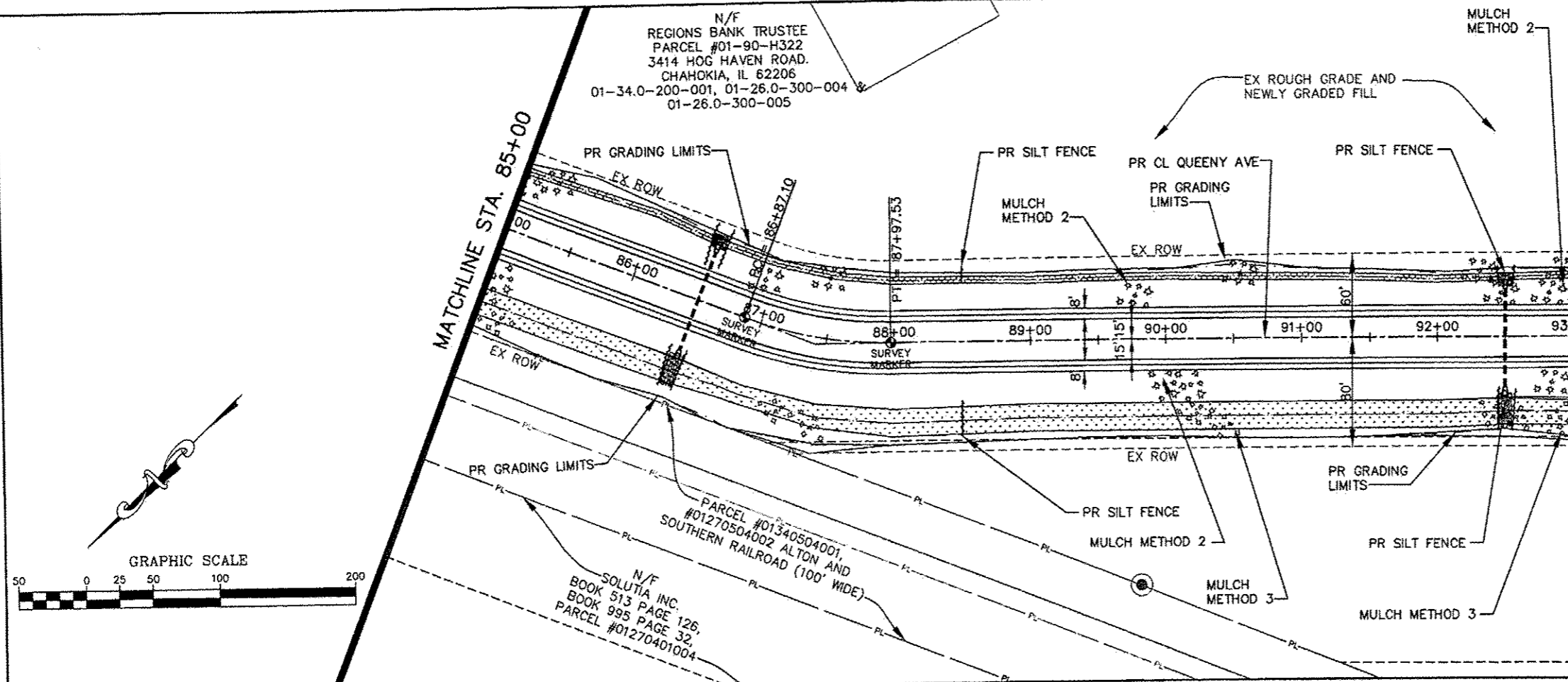
- STAGE 1
 - INSTALL EROSION CONTROL, SILT FENCE. CLEAR TREES AND SURFACE VEGETATION.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
- STAGE 2
 - BEGIN ROAD GRADING AND PROGRESS AWAY FROM ROUTE 3. TOP 3-6 INCHES OF SOIL TO BE STORED FOR RE-GRADE AND PLANTING PRIOR TO FINAL GRADING.
 - ESTABLISH DITCHES AND INSTALL TRANSVERSE CULVERTS. INSTALL SILT FENCE AND TEMPORARY SEED AFTER SHAPING DITCHES AND AT THE DIRECTION OF THE RESIDENT ENGINEER.
 - INSTALL SILT FENCE AT RR ROW. FILL AT RR TO REMAIN NEAR RR. REMOVE TRACK RAIL, SUBBASE AT RAIL. REPLACE SUBBASE, RAIL, RUBBERIZED TRACK SURFACE.
- STAGE 3
 - UPON PLACEMENT OF AGGREGATE SUB-BASE, ASPHALT BASE, SURFACE HMA AND INSTALL SHOULDERS. FINE GRADE WITH STORED TOPSOIL, INSTALL SEED AND MULCH.
- STAGE 4
 - INSTALL EROSION CONTROL, SILT FENCE. CLEAR TREES AND SURFACE VEGETATION.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
- STAGE 5
 - PROJECT TERMINATES AT 51+00. ADJUSTMENT TO EX CE AT RTE 3 TO PROVIDE ACCESS TO TRAFFIC WITH TEMPORARY RAMP. COORDINATION WITH THE RESIDENT ENGINEER IS REQUIRED TO PROVIDE ADEQUATE TRANSITION TO EXISTING FEATURES AND DRIVE, AND TO PROVIDE LOCAL TRAFFIC TO NEW ROADWAY.

- BEGIN ROAD GRADING AND AWAY FROM RAIL TRACKS. TOP 3-6 INCHES OF SOIL TO BE STORED FOR RE-GRADE AND PLANTING PRIOR TO FINAL GRADING.
- BEGIN/CREATE DITCHES AT TRANSVERSE CULVERTS. INSTALL SILT FENCE, INSTALL TEMPORARY SEED ONCE INITIAL GRADING IS UNDERWAY.
- STAGE 6
 - PLACE AGGREGATE SUB-BASE, ASPHALT BASE, SURFACE HMA AND INSTALL SHOULDERS. FINE GRADE WITH STORED TOPSOIL INSTALL SEED AND MULCH UP TO RAIL.
 - OVERLAY ALL PROJECT PAVEMENTS WITH SURFACE COURSE.
 - INSTALL SIGNAGE AND PAVEMENT MARKINGS.
- STAGE 7
 - UPON COMPLETION OF ALL PAVEMENT CONSTRUCTION, SIGNAGE, AND PAVEMENT MARKINGS PERFORM FINAL RESTORATION. INCLUDES FINAL SEED AND MULCH AND CLEAN UP OF THE SITE INCLUDING REMOVAL OF EROSION CONTROLS UPON SUBSTANTIAL ESTABLISHMENT OF VEGETATION.



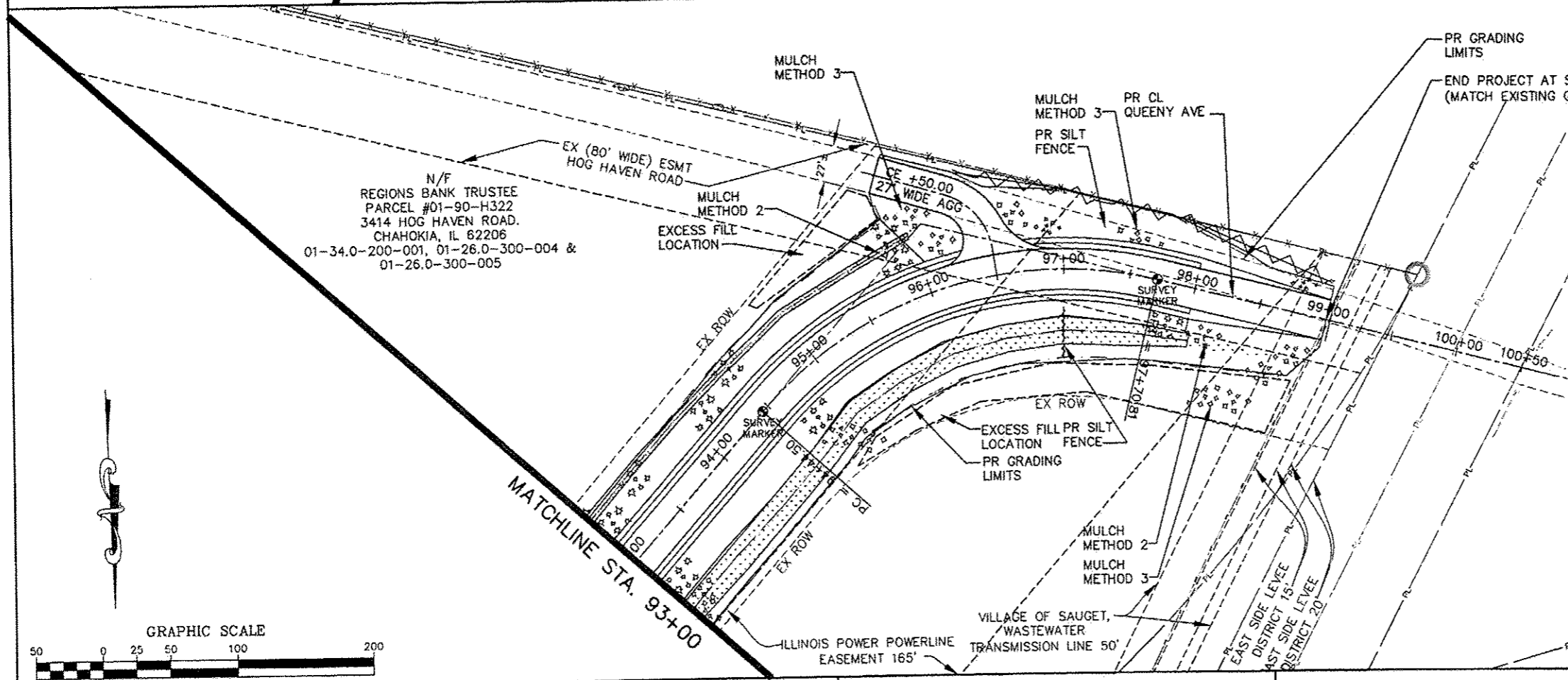
NOTE:
CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS AND DEPTHS OF EXISTING UTILITIES.

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7313-10-3 EROSION CNTRL PLAN0.dwg	PLOT SCALE = 1" = 50'	CHECKED - JPG	REVISED -		CONTRACT NO. 97485							
PLOT DATE = Jun 21, 2013 - 4:08PM	DATE = 6-28-2012	REVISED -			ILLINOIS FEDERAL AID PROJECT							



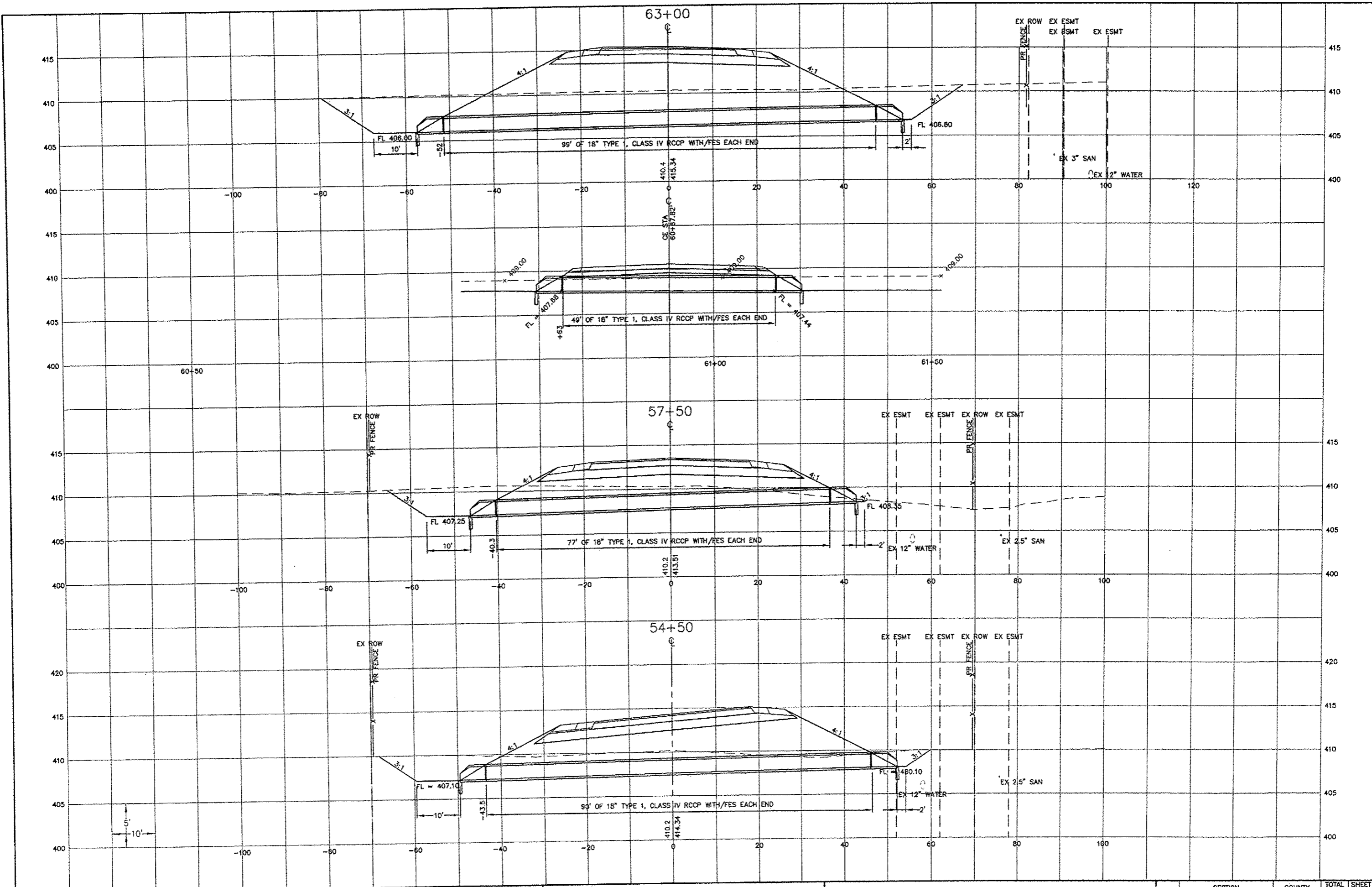
MATCHLINE STA. 93+00

- STAGE 1
- INSTALL EROSION CONTROL, SILT FENCE. CLEAR TREES AND SURFACE VEGETATION.
 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
- STAGE 2
- BEGIN ROAD GRADING AND PROGRESS AWAY FROM ROUTE 3. TOP 3-6 INCHES OF SOIL TO BE STORED FOR RE-GRADE AND PLANTING PRIOR TO FINAL GRADING.
 - ESTABLISH DITCHES AND INSTALL TRANSVERSE CULVERTS. INSTALL SILT FENCE AND TEMPORARY SEED AFTER SHAPING DITCHES AND AT THE DIRECTION OF THE RESIDENT ENGINEER.
 - INSTALL SILT FENCE AT RR ROW. FILL AT RR TO REMAIN NEAR RR.
 - REMOVE TRACK RAIL, SUBBASE AT RAIL. REPLACE SUBBASE, RAIL, RUBBERIZED TRACK SURFACE.
- STAGE 3
- UPON PLACEMENT OF AGGREGATE SUB-BASE, ASPHALT BASE, SURFACE HMA AND INSTALL SHOULDERS. FINE GRADE WITH STORED TOPSOIL, INSTALL SEED AND MULCH.
- STAGE 4
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 - UTILITY RELOCATIONS AND EXTENSIONS (BY OTHERS).
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- PROJECT TERMINATES AT 51+00. ADJUSTMENT TO EX CE AT RTE 3 TO PROVIDE ACCESS TO TRAFFIC WITH TEMPORARY RAMP. COORDINATION WITH THE RESIDENT ENGINEER IS REQUIRED TO PROVIDE ADEQUATE TRANSITION TO EXISTING FEATURES AND DRIVE, AND TO PROVIDE LOCAL TRAFFIC TO NEW ROADWAY.
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- STAGE 6
- PLACE AGGREGATE SUB-BASE, ASPHALT BASE, SURFACE HMA AND INSTALL SHOULDERS. FINE GRADE WITH STORED TOPSOIL INSTALL SEED AND MULCH UP TO RAIL.
 - OVERLAY ALL PROJECT PAVEMENTS WITH SURFACE COURSE.
- STAGE 6
- INSTALL SIGNAGE AND PAVEMENT MARKINGS.
- STAGE 7
- UPON COMPLETION OF ALL PAVEMENT CONSTRUCTION, SIGNAGE, AND PAVEMENT MARKINGS PERFORM FINAL RESTORATION. INCLUDES FINAL SEED AND MULCH AND CLEAN UP OF THE SITE INCLUDING REMOVAL OF EROSION CONTROLS UPON SUBSTANTIAL ESTABLISHMENT OF VEGETATION.



NOTE:
CONTRACTOR IS RESPONSIBLE FOR VERIFYING LOCATIONS AND DEPTHS OF EXISTING UTILITIES.

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	PLOT SCALE = 1" = 50'	CHECKED - JPG	REVISED -		CONTRACT NO. 97485							
	PLOT DATE = Jun 21, 2013 - 4:08PM	DATE - 6-28-2012	REVISED -		ILLINOIS FEDERAL AID PROJECT							



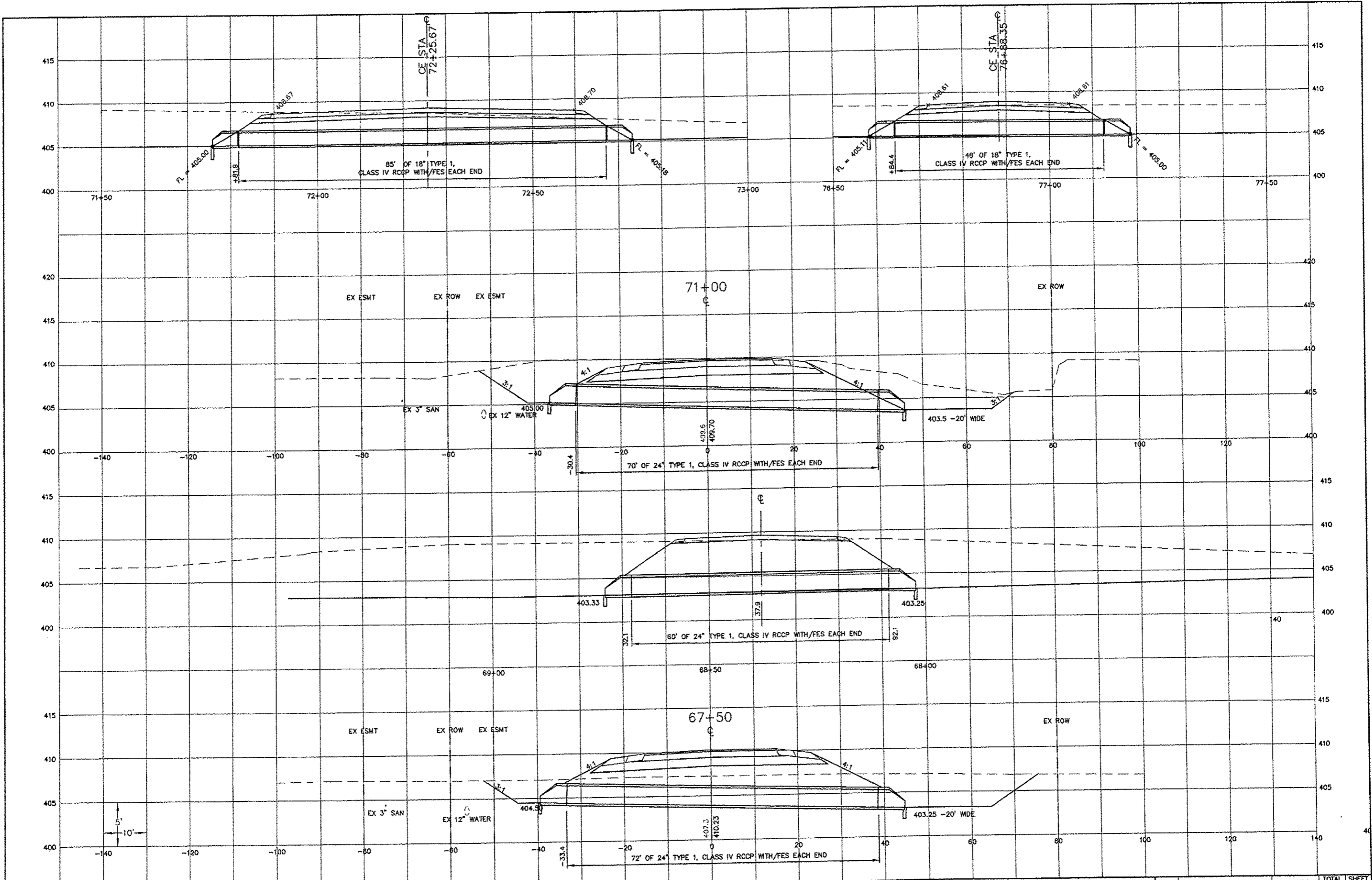
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 DESIGNED - JGP
 DRAWN - CRO
 CHECKED - JPG
 PLOT DATE = Jun 21, 2013 - 3:59PM

REVISIONS
 REVISED - 6-21-2013
 REVISED -
 REVISED -
 REVISED -
 REVISED -
 DATE - 6-28-2012

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. EXTENSION CULVERT SECTIONS
 SCALE: N/A
 SHEET NO. 1 OF 3 SHEETS
 STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				



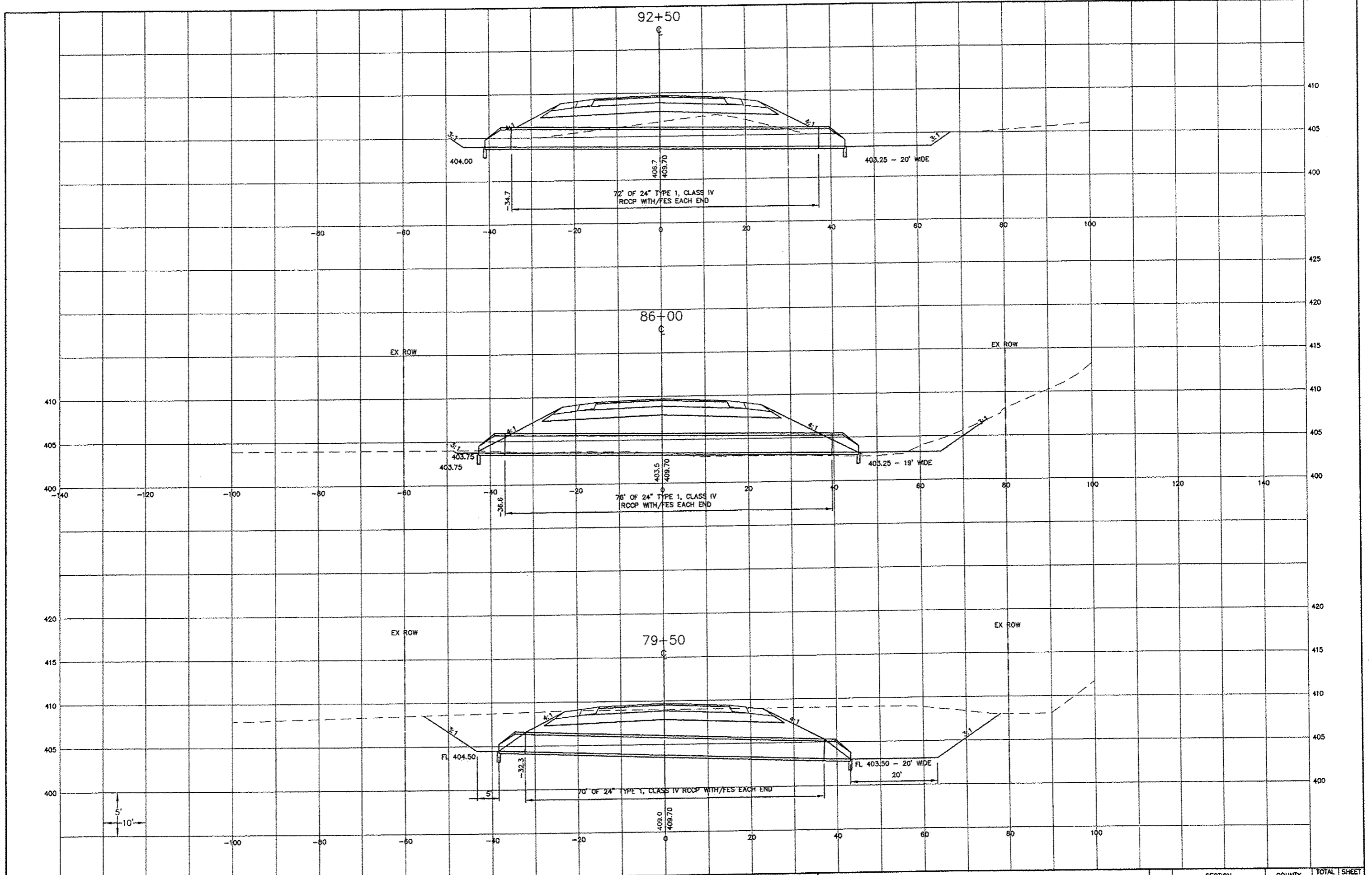
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7313-10-3 CULV_SECTbid.dwg	PLOT SCALE =	CHECKED - JGP	REVISED -
	PLOT DATE = Jun 21, 2013 - 3:59PM	DATE - 6-28-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. EXTENSION CULVERT SECTIONS

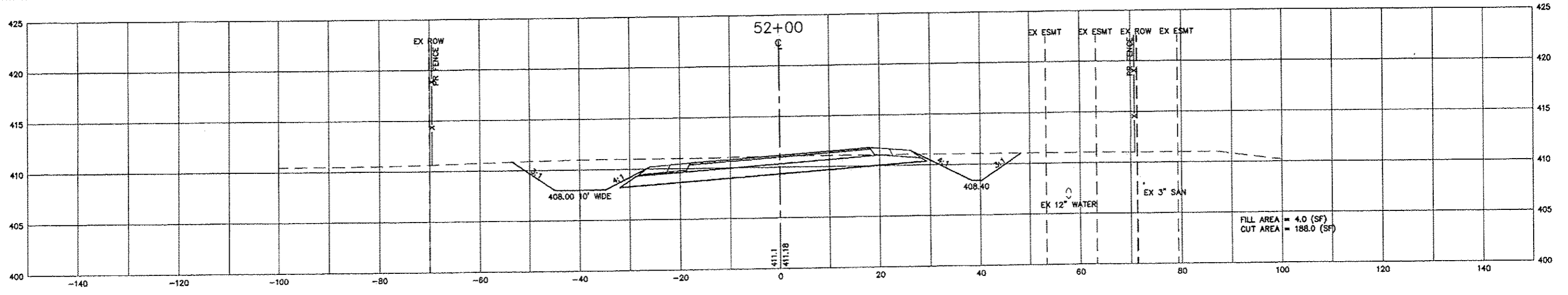
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RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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CONTRACT NO. 97485			ILLINOIS FEDERAL AID PROJECT	

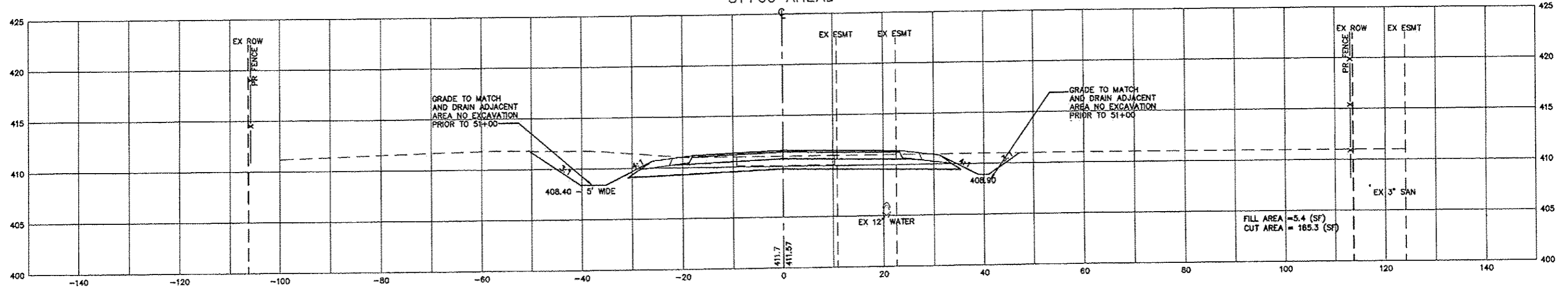


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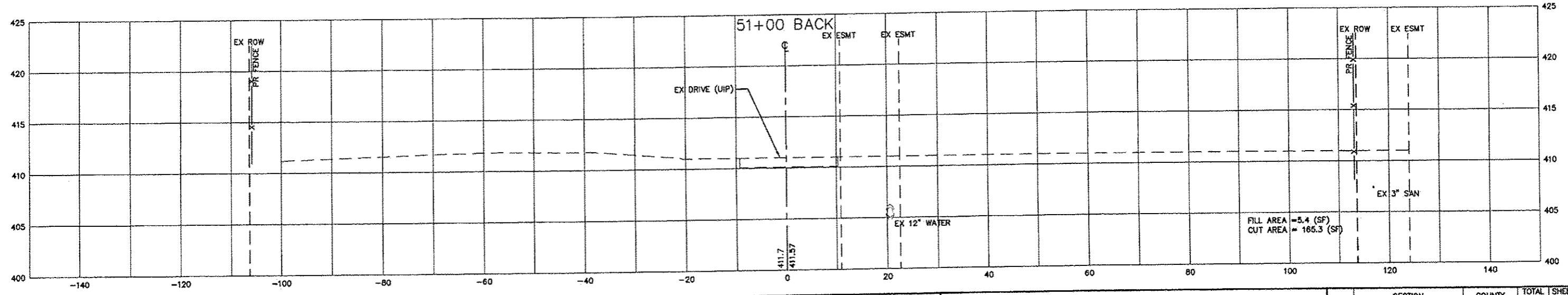
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 Plot Date: Jun 21, 2013 3:59 PM
 User: jpp
 Scale: N/A
 Sheet: 3 of 3



BEGIN PROJECT
51+00 AHEAD



51+00 BACK



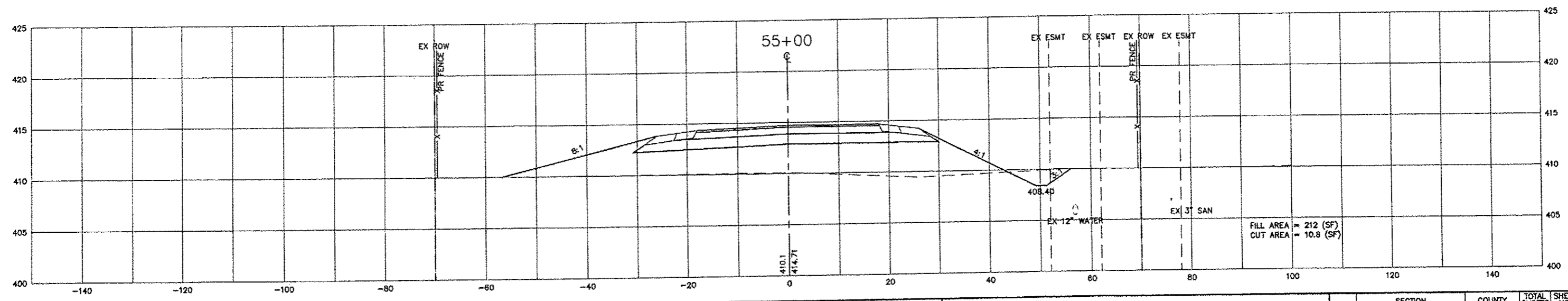
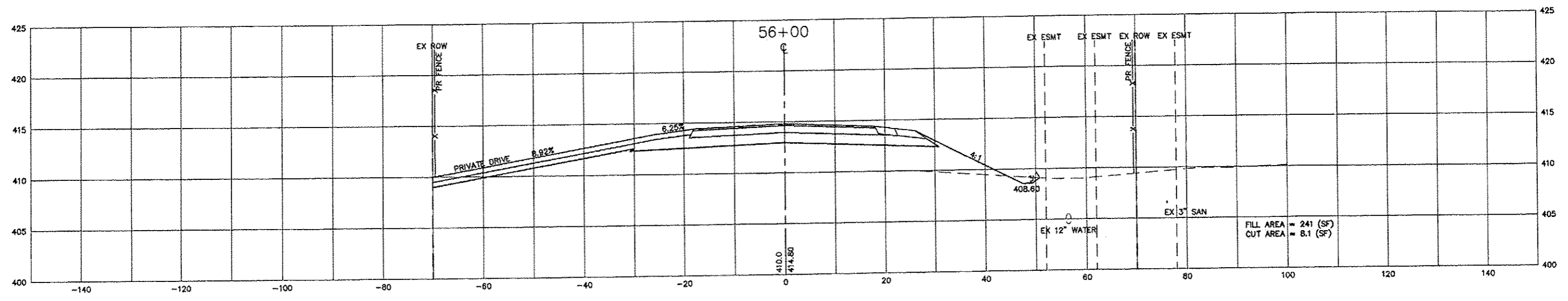
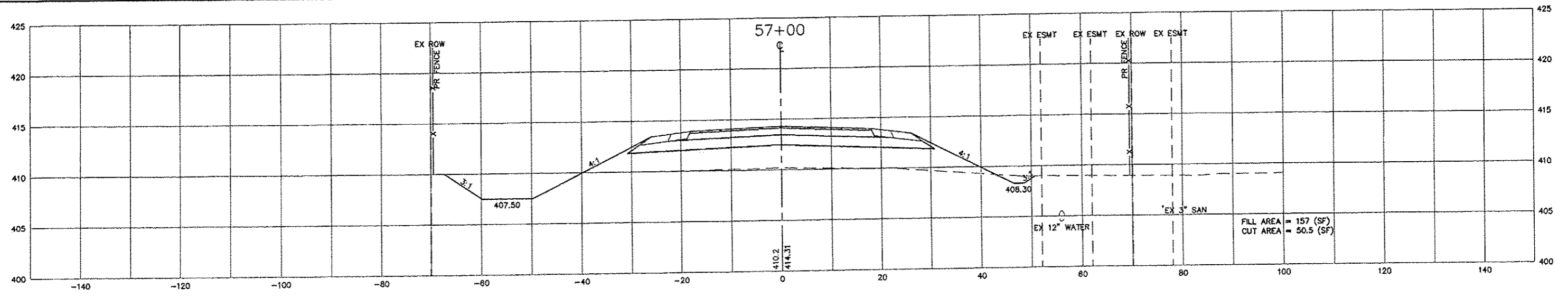
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		CHECKED - JGP	REVISED -
		DATE - 8-28-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. CROSS-SECTIONS	
SCALE: 1" = 10'	SHEET NO. 1 OF 20 SHEETS
STA.	TO STA.

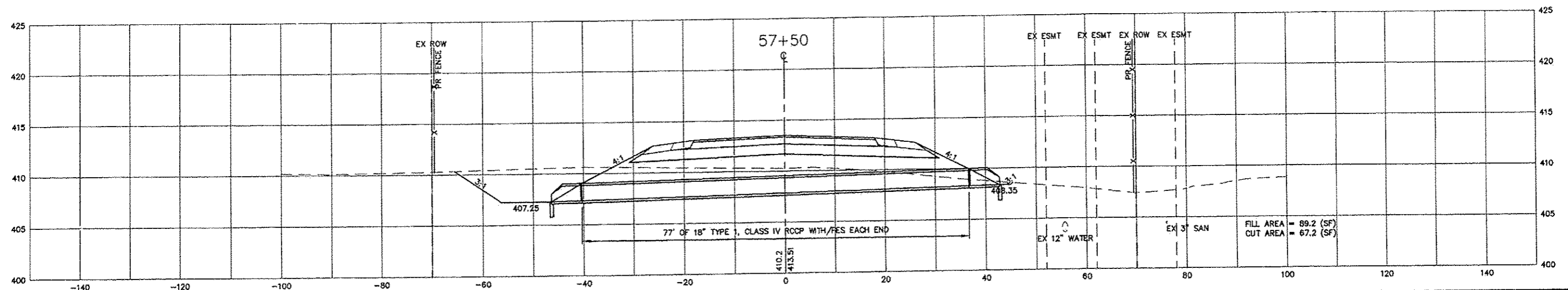
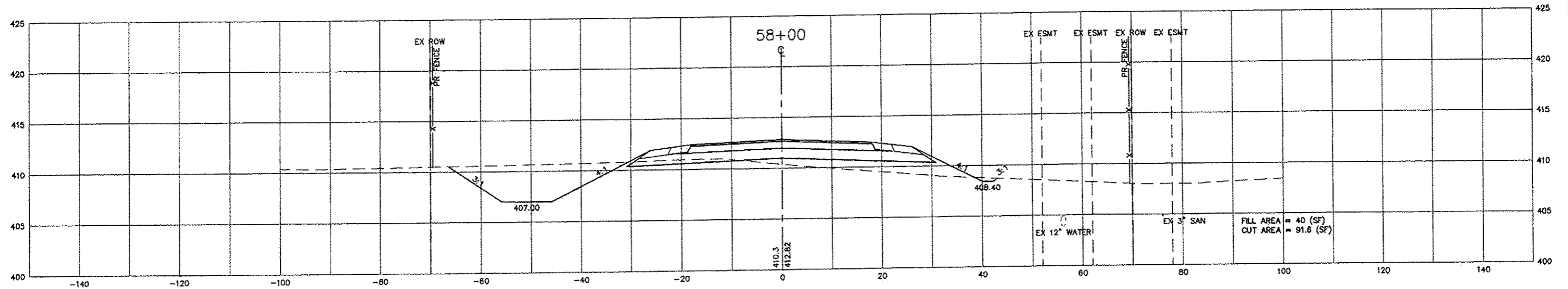
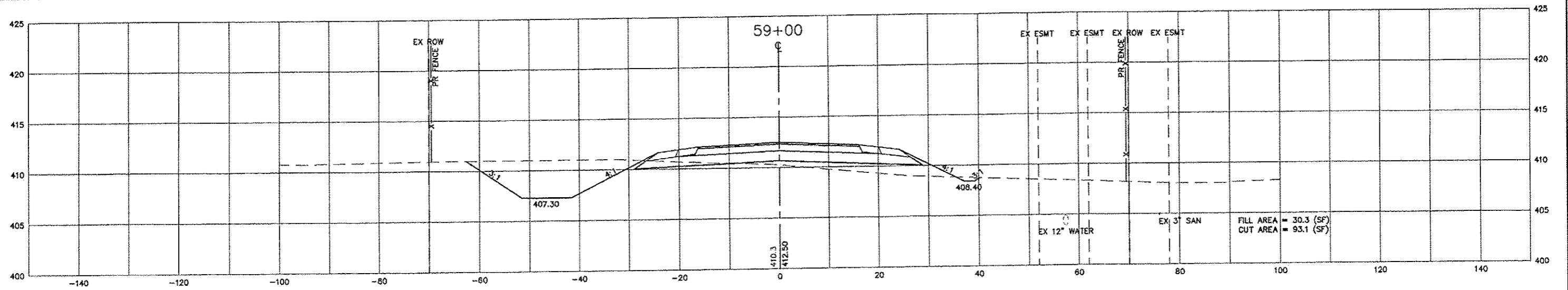
RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	48
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

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 8/28/2012 3:53 PM



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PLOT DATE = Jun 21, 2013 - 3:53PM					DATE -- 6-28-2012	REVISED --	STA.	TO STA.			

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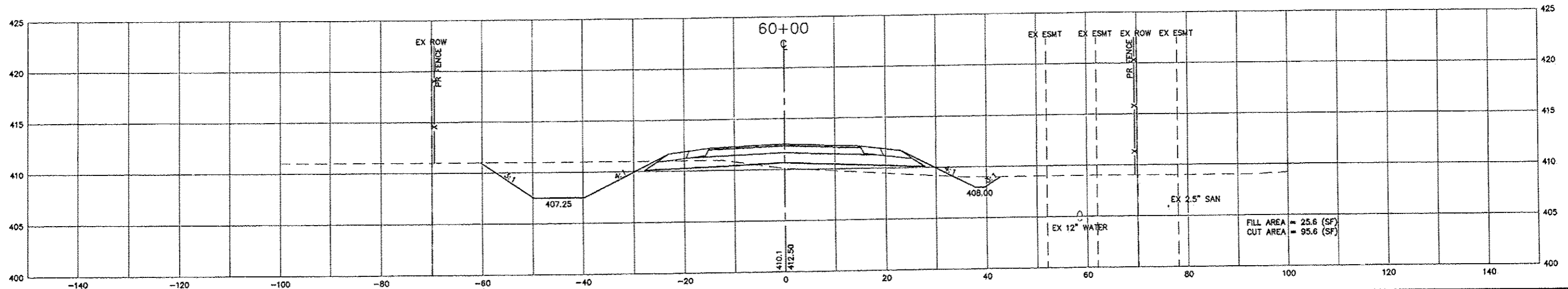
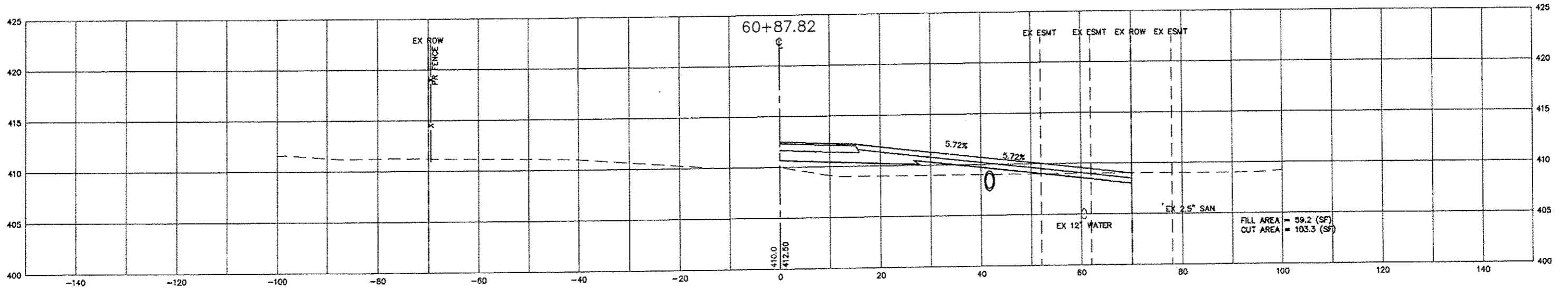
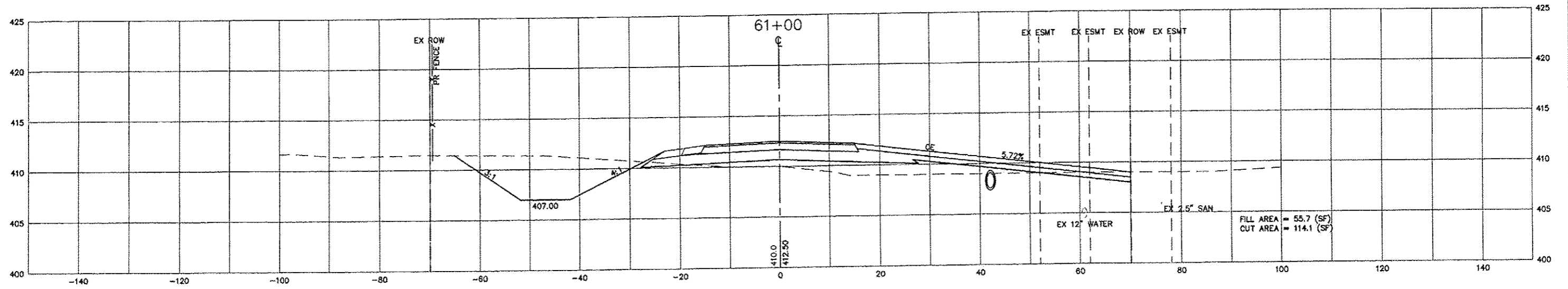


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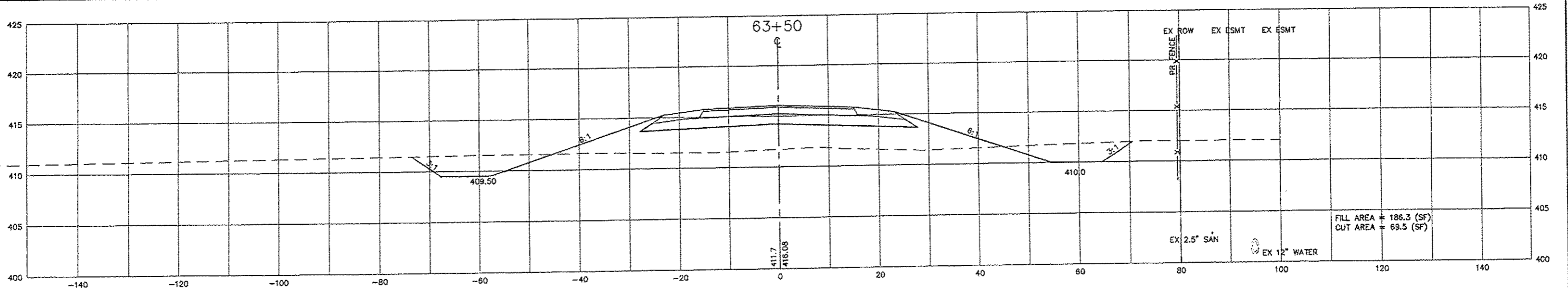
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

6-21-2013
QUEENY AVE. CROSS-SECTIONS
SCALE: 1" = 10' SHEET NO. 4 OF 20 SHEETS STA. TO STA.

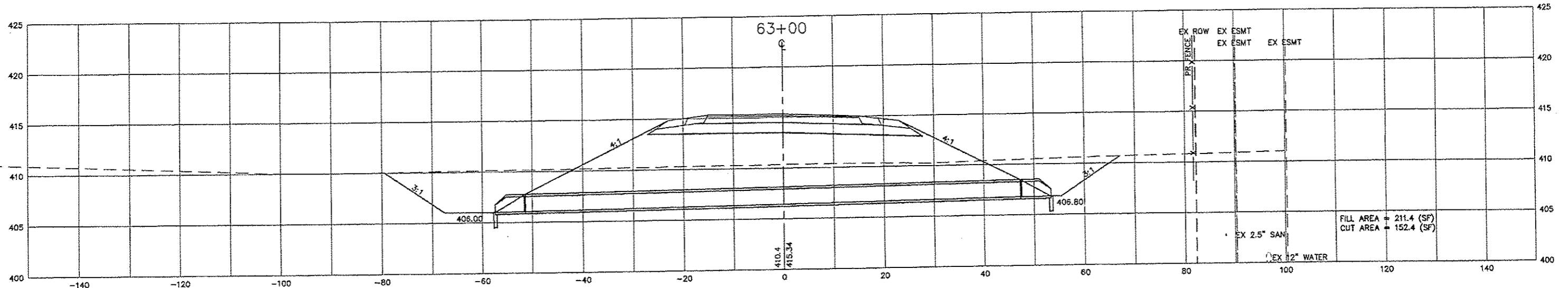
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CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				



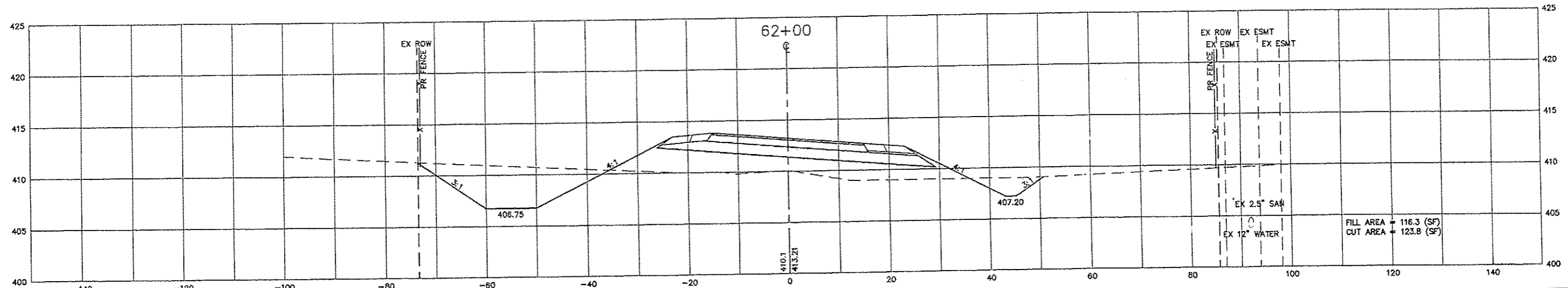
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							SCALE: 1" = 10'	SHEET NO. 5 OF 20 SHEETS	STA. TO STA.		



FILL AREA = 186.3 (SF)
CUT AREA = 69.5 (SF)



FILL AREA = 211.4 (SF)
CUT AREA = 152.4 (SF)



FILL AREA = 116.3 (SF)
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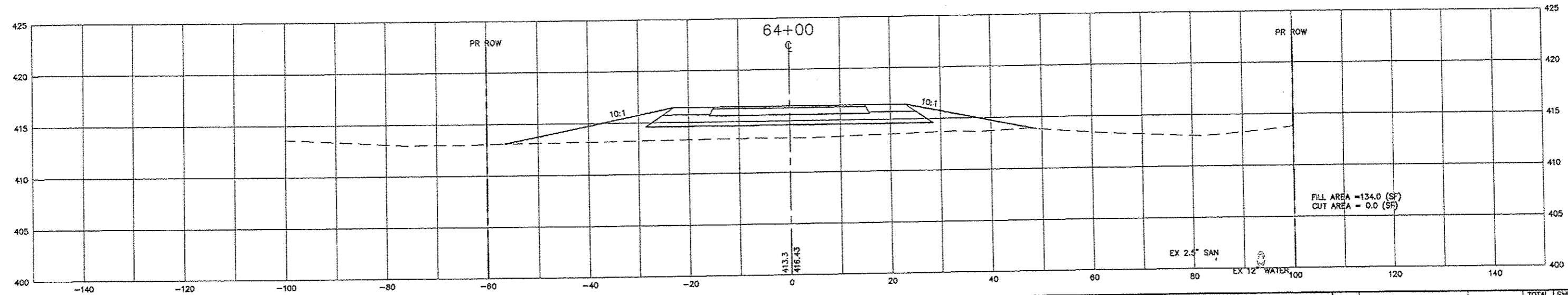
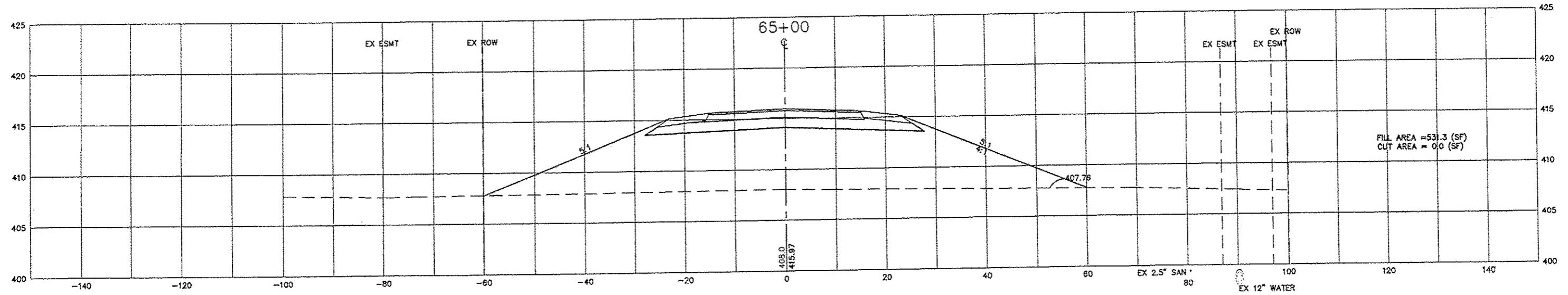
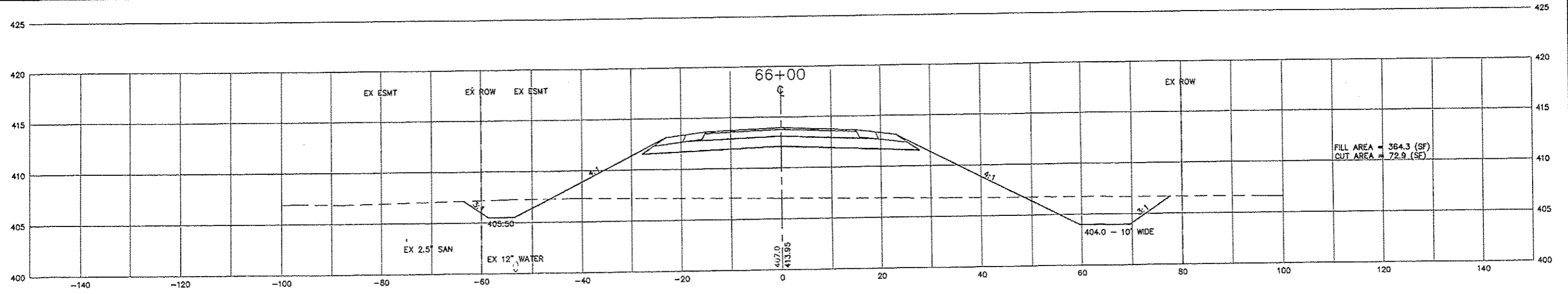
REVISIONS
REVISED -- 6-21-2013
REVISED --
REVISED --
REVISED --
DATE -- 6-28-2012

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

QUEENY AVE. CROSS-SECTIONS
SCALE: 1" = 10'
SHEET NO. 6 OF 20 SHEETS
STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	51
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

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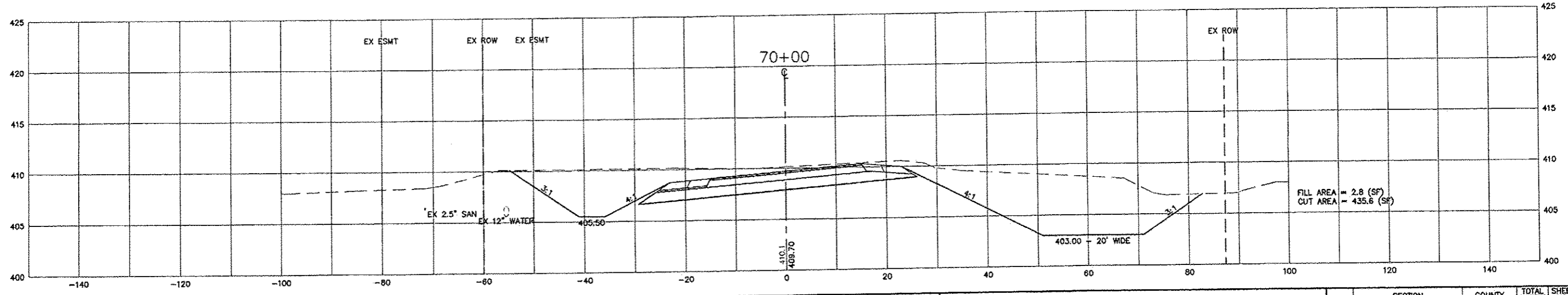
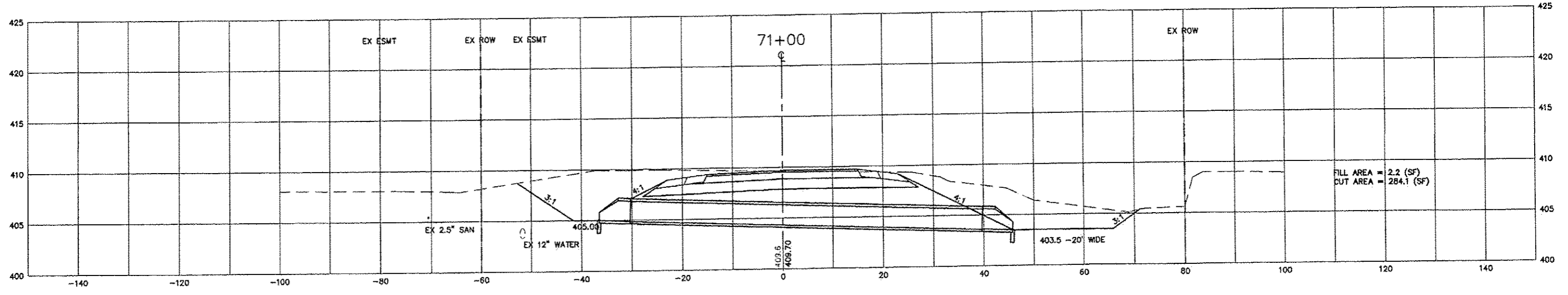
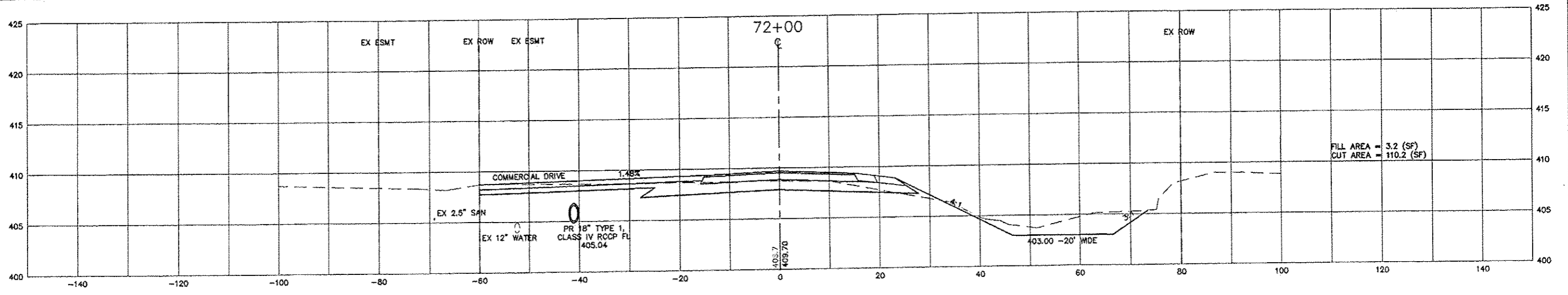
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. CROSS-SECTIONS

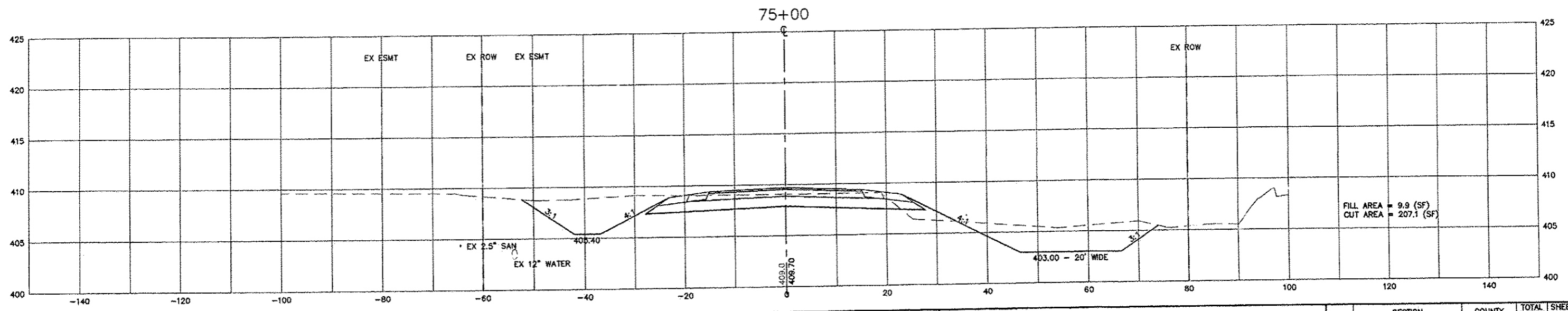
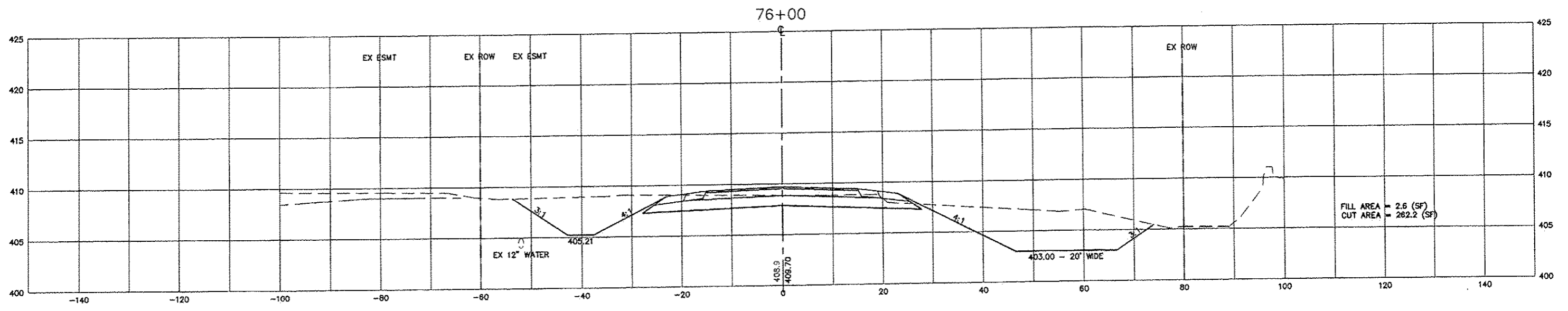
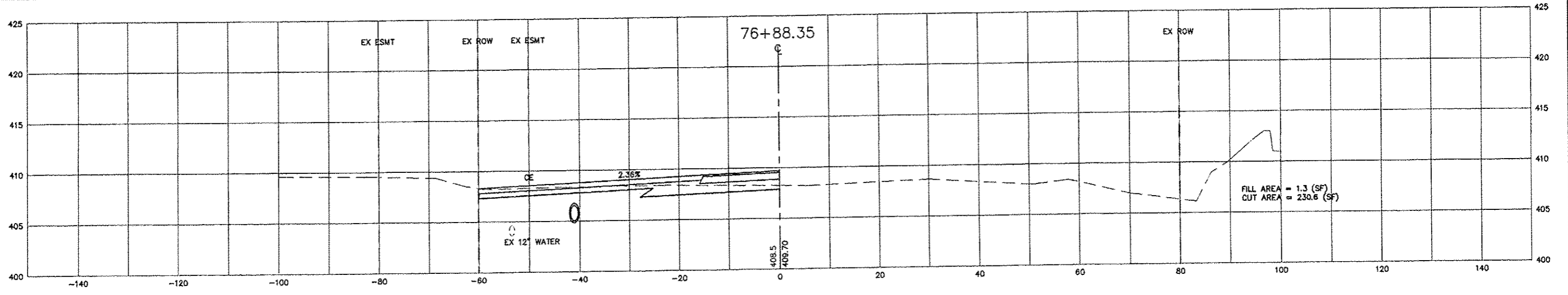
SCALE: 1" = 10' SHEET NO. 7 OF 20 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	52
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

I:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP\LD0_7313-10-3A\dwg\bid_6_03_2013.dwg

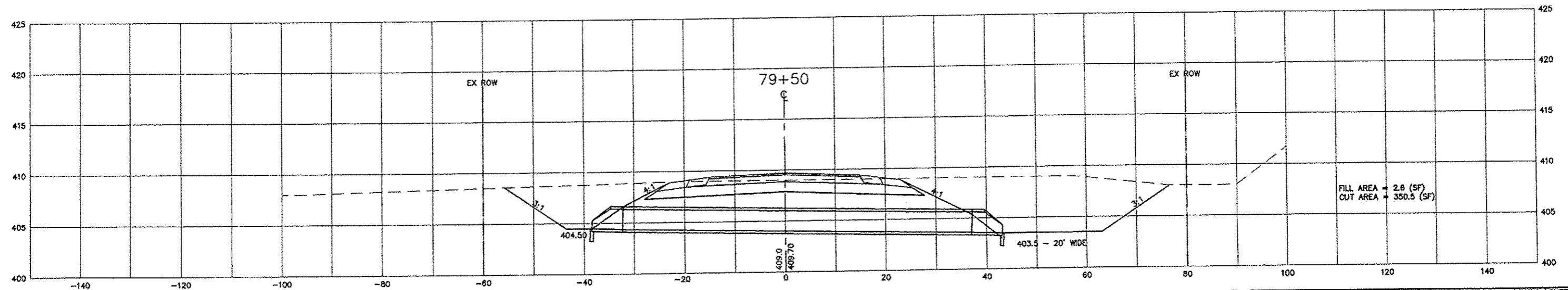
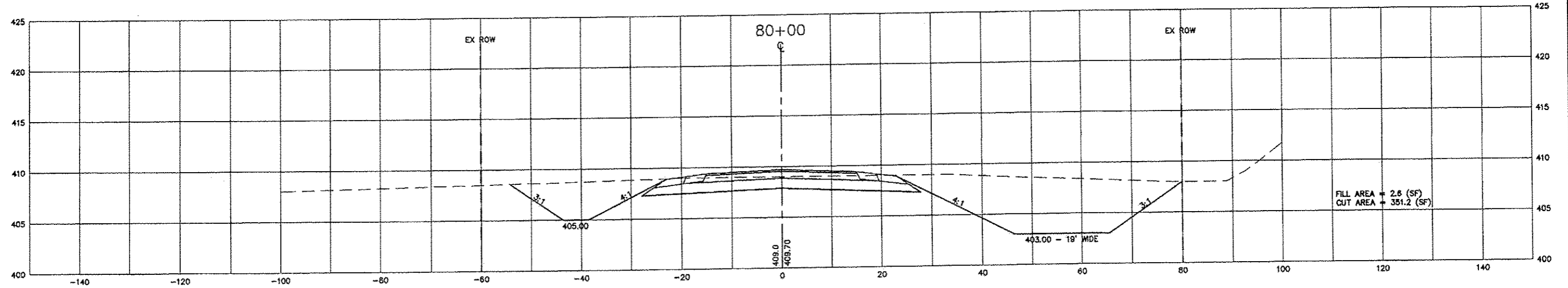
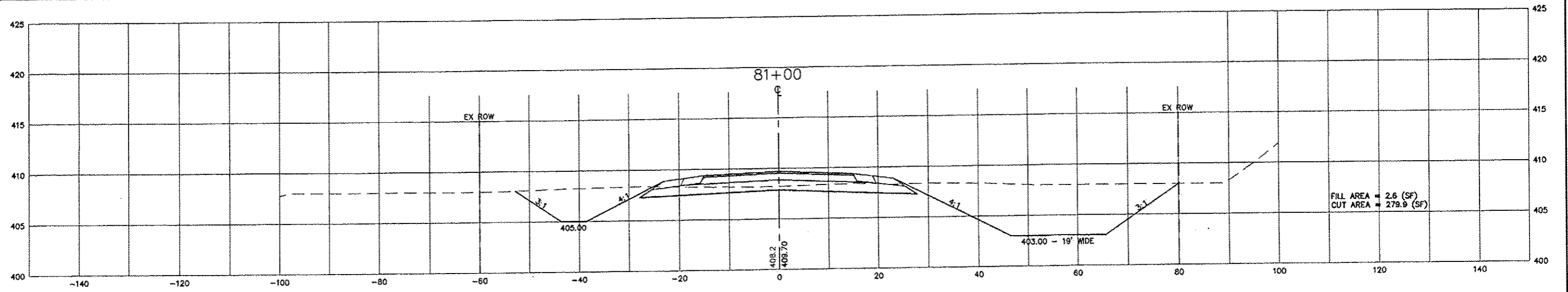


FILE NAME = T:\Client\SAUGET\7313-10-3A Hog Hollow Loop STP\LD0_7313-10-3A\dwg\bid_6_03_2013\7313-10-3 CR-SECTbid.dwg	USER NAME = jrg	DESIGNED - JGP	REVISED - 8-21-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE. CROSS-SECTIONS SCALE: 1" = 10' SHEET NO. 9 OF 20 SHEETS STA. TO STA.			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	DRAWN - CRO	REVISED -					05-00012-00-PV	ST. CLAIR	65	54	
	PLOT DATE = Jun 21, 2013 - 3:54PM	CHECKED - JPG	REVISED -					CONTRACT NO. 97485				
	DATE - 6-28-2012	REVISED -	ILLINOIS FEDERAL AID PROJECT									



FILE NAME = T:\Clients\SAUCET\7313-10-3A Hog Hollow Loop STP\LD0_7313-10-3A\dwg\bid_6_03_2013\7313-10-3 CR-SECTbid.dwg	USER NAME = jdg	DESIGNED - JGP	REVISED -- 8-21-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE. CROSS-SECTIONS			RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE =	CHECKED - JPC	REVISED --		SCALE: 1" = 10'	SHEET NO. 11 OF 20 SHEETS	STA.	TO STA.	05-00012-00-PV	ST. CLAIR	65	56
	PLOT DATE = Jun 21, 2013 - 3:54PM	DATE - 6-28-2012	REVISED --					CONTRACT NO. 97485			ILLINOIS FEDERAL AID PROJECT	

I:\Clients\SAUCET\7313-10-3A Hog Hollow Loop STP\LD0_7313-10-3A\dwg\bid_6_03_2013\7313-10-3 CR-SECTbid.dwg



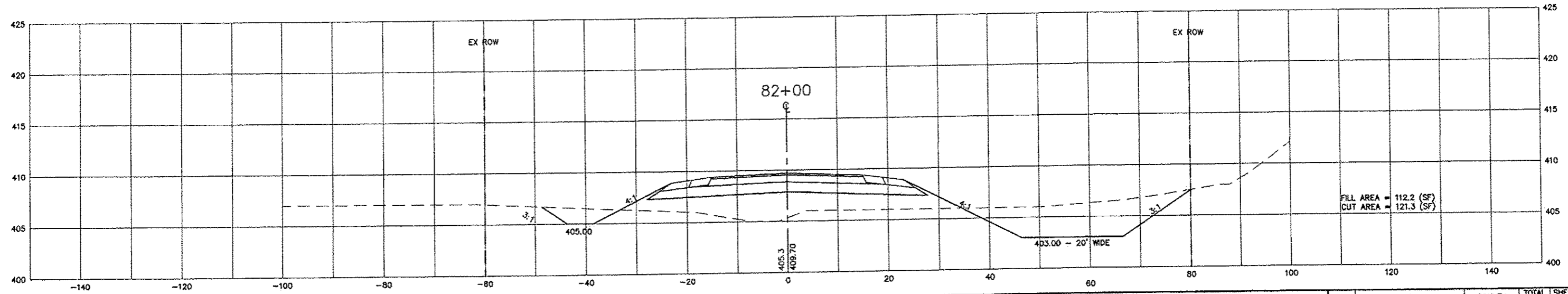
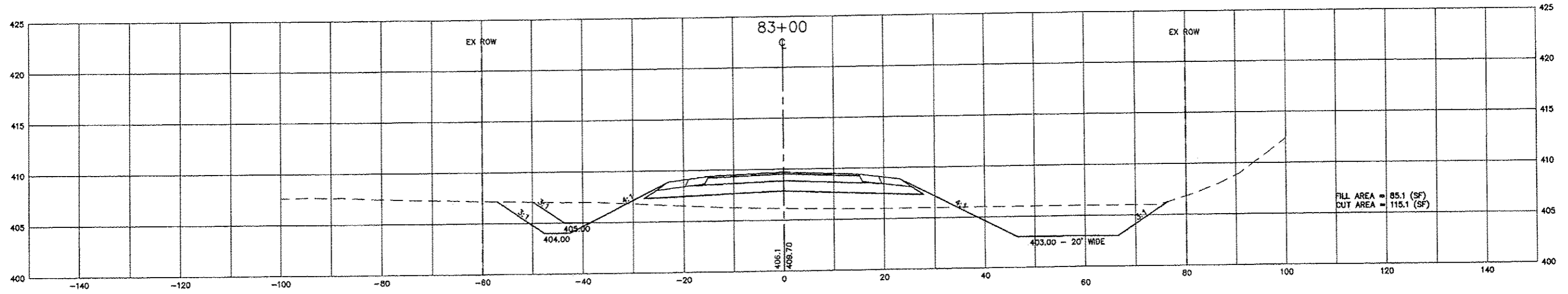
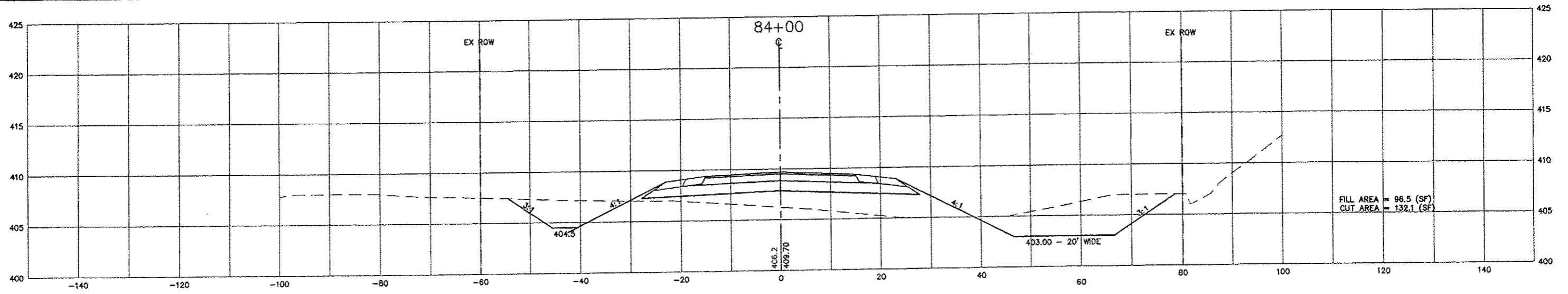
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	PLOT SCALE =	CHECKED - JPG	REVISED -
	PLOT DATE = Jun 21, 2013 - 3:54PM	DATE - 6-28-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. CROSS-SECTIONS
SCALE: 1" = 10' SHEET NO. 13 OF 20 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	58
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

P:\Clients\SAUGEY\7313-10-3A Hog Hollow Loop STP_LBO_7313-10-3A\dwg\bid_6_03_2013\7313-10-3 CR-SECTbid.dwg



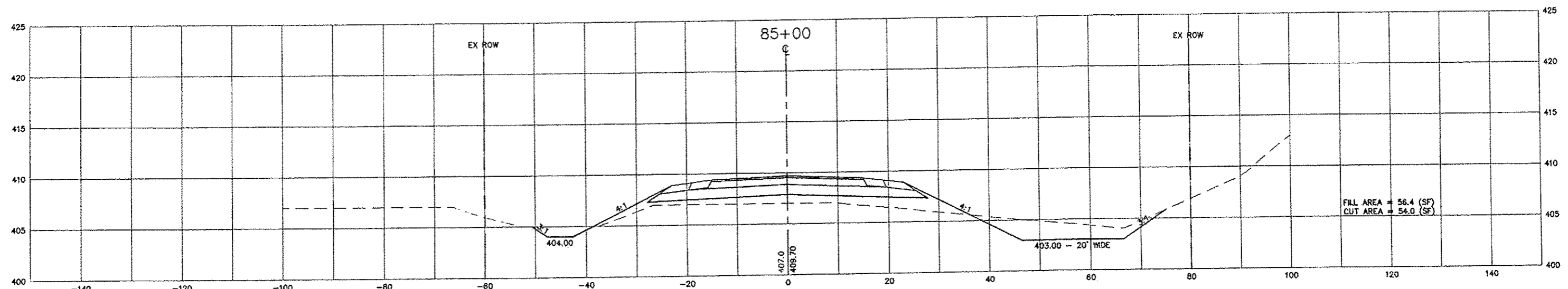
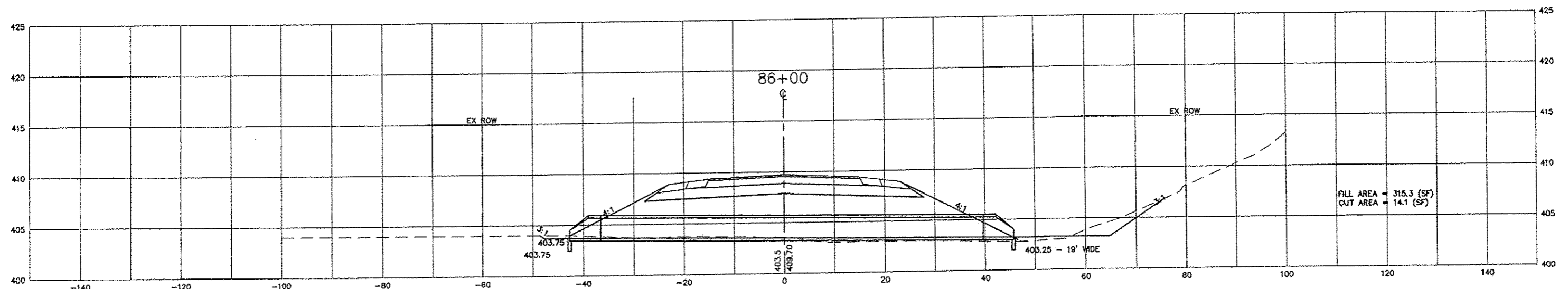
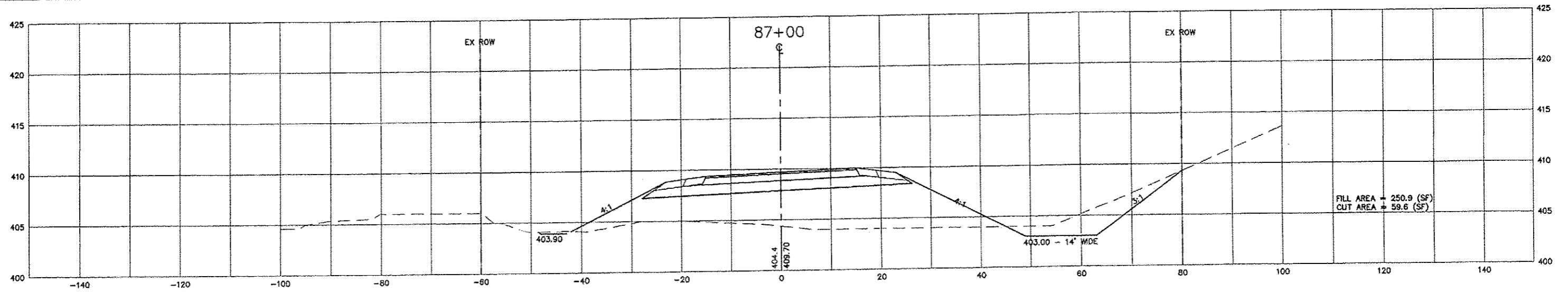
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PLOT SCALE =	CHECKED - JPG	CHECKED - JGP	REVISED -
PLOT DATE = Jun 21, 2013 - 3:54PM	DATE - 6-28-2012	DATE - 6-28-2012	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. CROSS-SECTIONS
SCALE: 1" = 10' SHEET NO. 14 OF 20 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	59
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

C:\Users\jsg\Documents\7313-10-3 CR-SECTbid.dwg



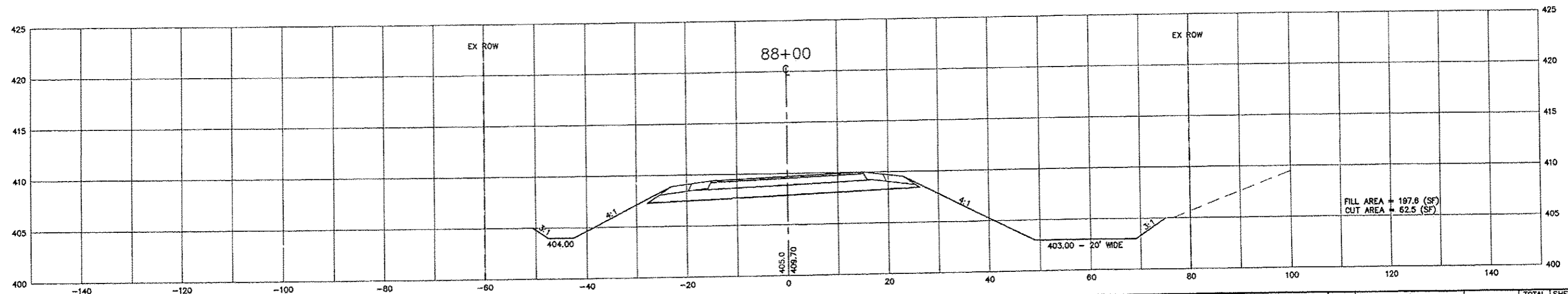
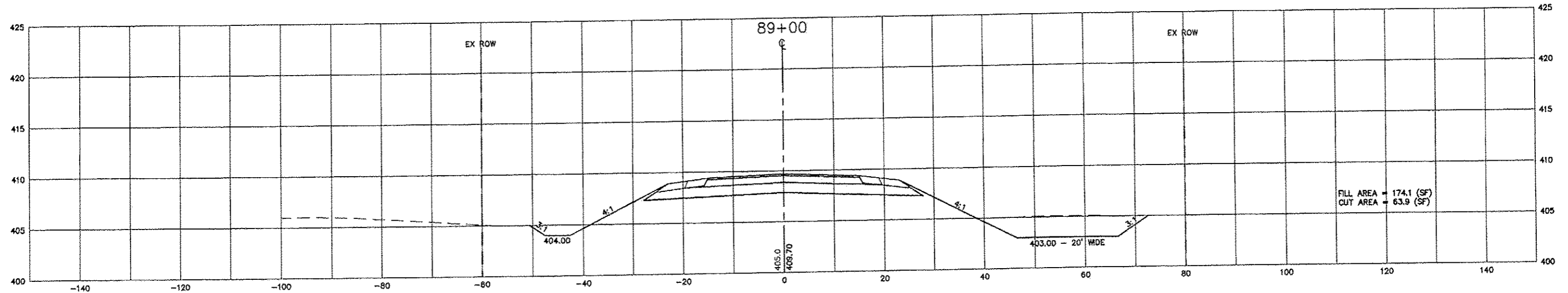
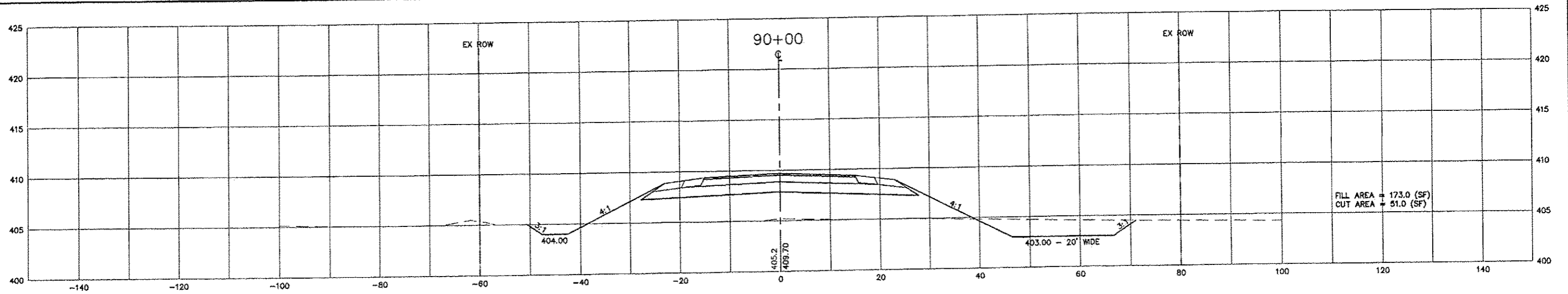
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7313-10-3 CR-SECTbid.dwg		CHECKED -- JPG	REVISED --
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PLOT DATE = Jun 21, 2013 - 3:54PM			

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

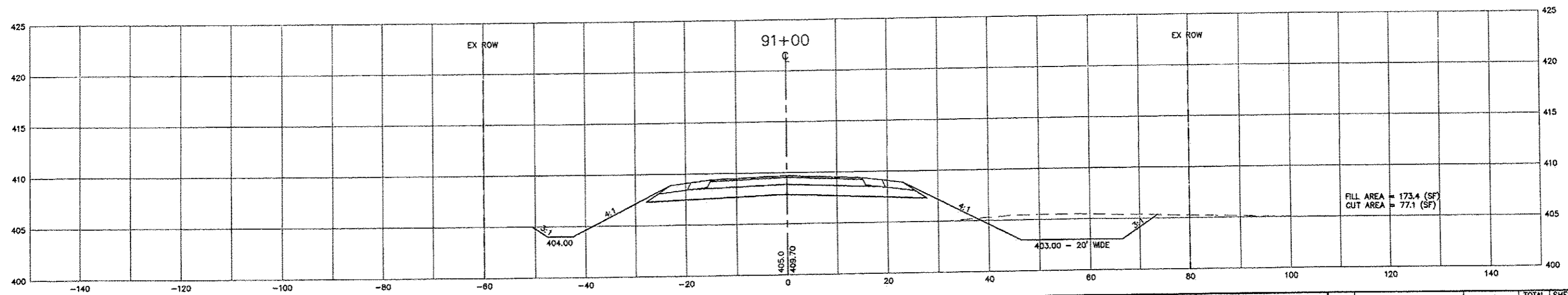
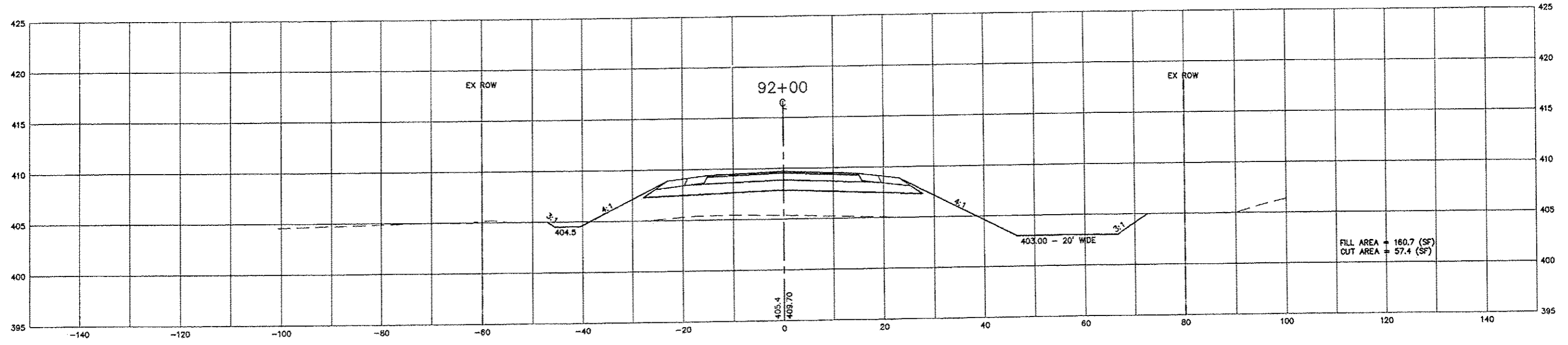
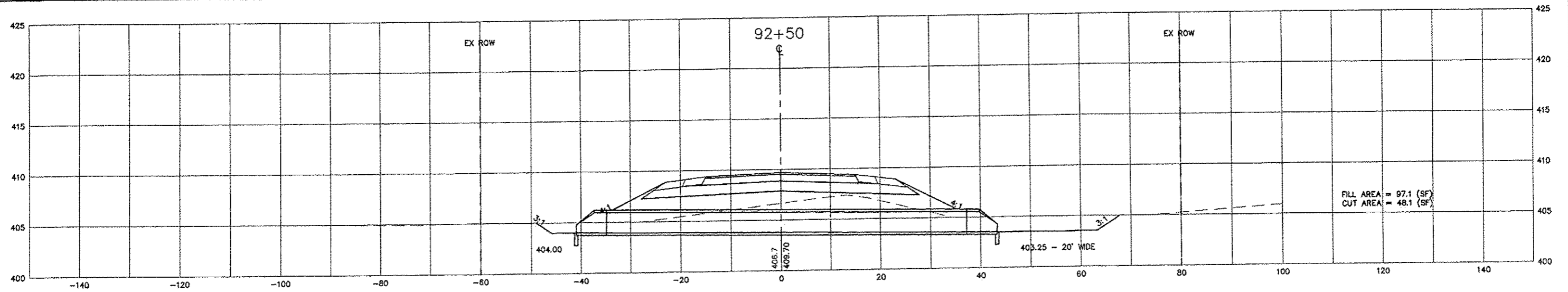
QUEENY AVE. CROSS-SECTIONS

SCALE: 1" = 10' SHEET NO. 15 OF 20 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	60
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				



FILE NAME = T:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP\LOD_7313-10-3A\dwg\bid_6_03_2013\7313-10-3_CR-SECT18.dwg	USER NAME = jpq	DESIGNED -- JGP	REVISED -- 6-21-2013	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	QUEENY AVE. CROSS-SECTIONS		RTE.	SECTION 05-00012-00-PV	COUNTY ST. CLAIR	TOTAL SHEETS 65	SHEET NO. 61
	PLOT SCALE =	CHECKED -- JGP	DATE -- 6-28-2012		SCALE: 1" = 10'	SHEET NO. 18 OF 20 SHEETS	STA.	TO STA.	CONTRACT NO. 97485		ILLINOIS FEDERAL AID PROJECT



FILE NAME =	USER NAME = jpg	DESIGNED - JGP	REVISED - 6-21-2013
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7313-10-3 CR-SECTbid.dwg		CHECKED - JPC	REVISED -
	PLOT DATE = Jun 21, 2013 - 3:55PM	DATE - 6-28-2012	REVISED -

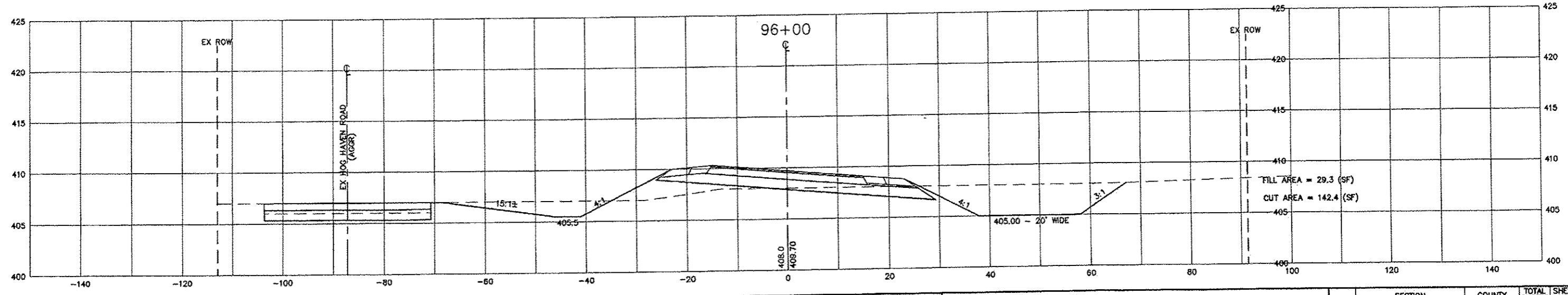
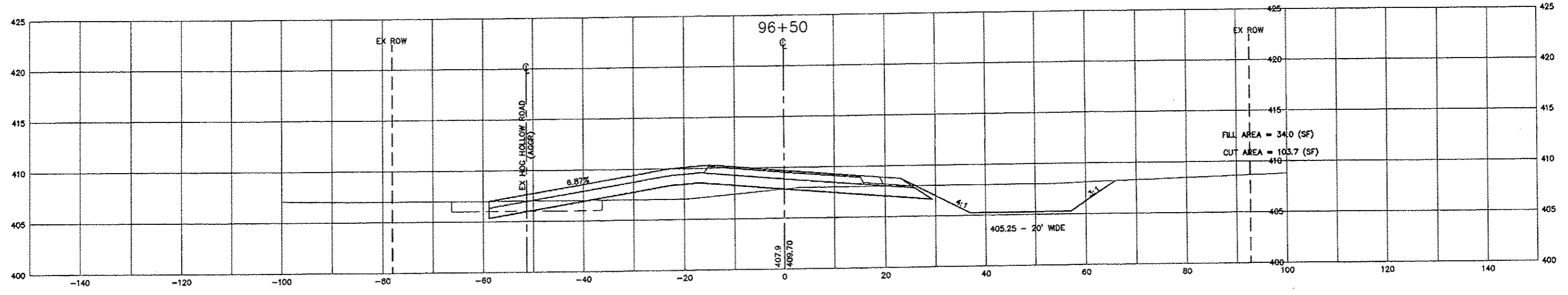
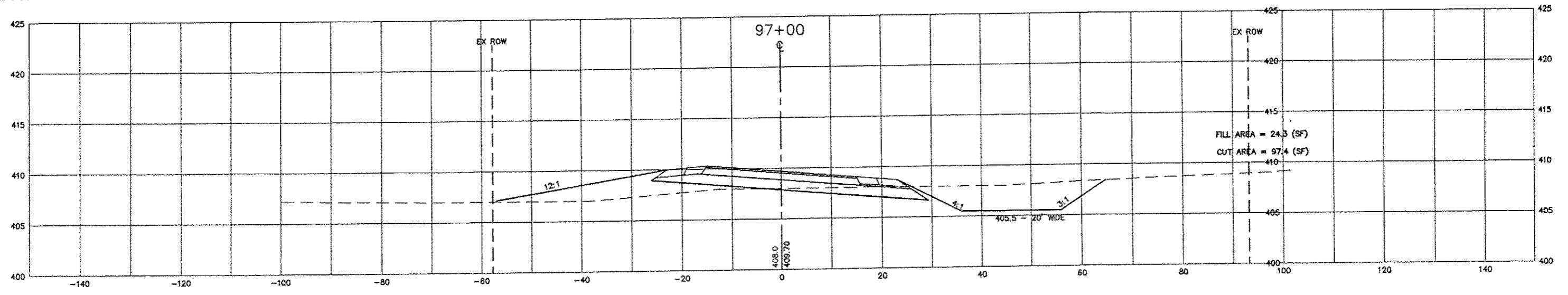
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. CROSS-SECTIONS

SCALE: 1" = 10' SHEET NO. 17 OF 20 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	65	62
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

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FILE NAME **	USER NAME = jpo	DESIGNED -- JGP	REVISED -- 6-21-2013
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	PLOT SCALE **	CHECKED -- JGP	REVISED --
	PLOT DATE = Jun 21, 2013 - 3:59PM	DATE -- 6-28-2012	REVISED --

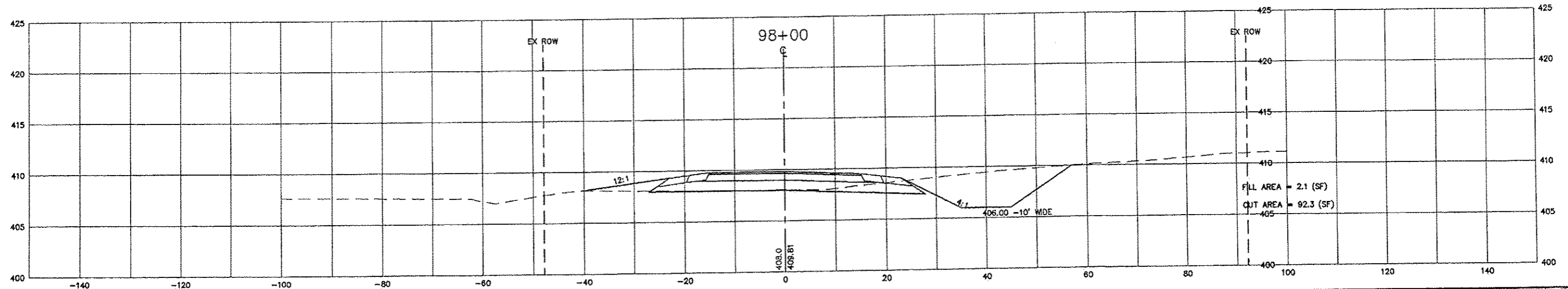
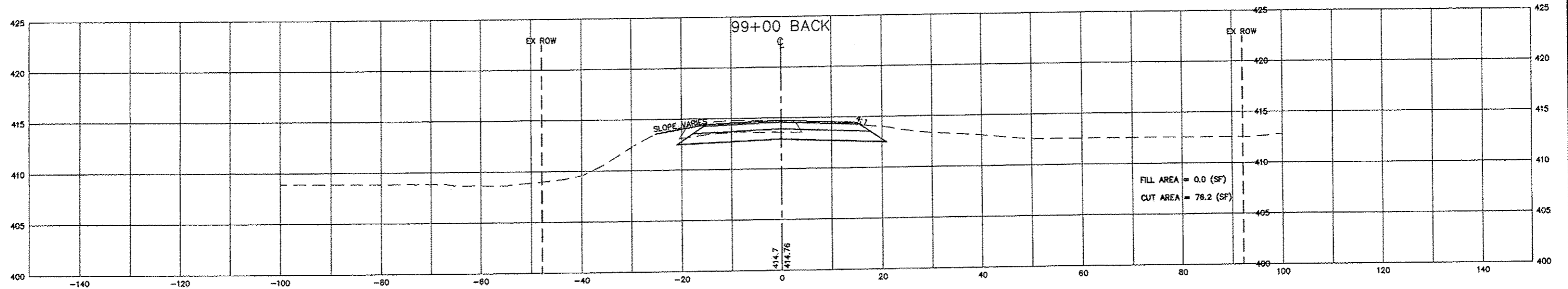
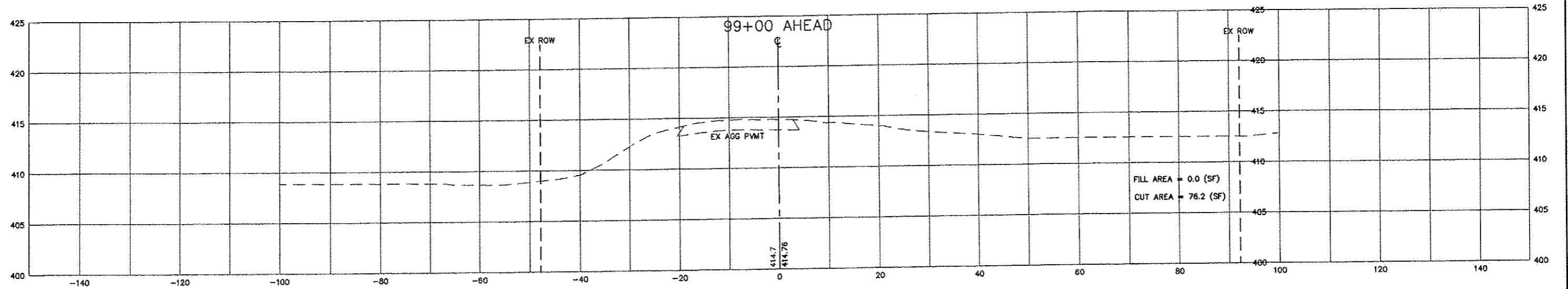
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. CROSS-SECTIONS

SCALE: 1" = 10' SHEET NO. 19 OF 20 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	85	64
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

I:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP\LOD_7313-10-3A\dwg\bid_6_03_2013\7313-10-3 CR-SECTbid.dwg



FILE NAME =	USER NAME = jpd	DESIGNED = JGP	REVISED = 6-21-2013
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7313-10-3 CR-SECTbid.dwg	PLOT SCALE =	DATE = 6-28-2012	REVISED =
	PLOT DATE = Jun 21, 2013 - 3:55PM		

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

QUEENY AVE. CROSS-SECTIONS

SCALE: 1" = 10' SHEET NO. 20 OF 20 SHEETS STA. TO STA.

RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	05-00012-00-PV	ST. CLAIR	85	65
CONTRACT NO. 97485				
ILLINOIS FEDERAL AID PROJECT				

I:\Clients\SAUGET\7313-10-3A Hog Hollow Loop STP\100_7313-10-3A\dwg\bid_6_03_2013.dwg
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 6/21/2013 3:55 PM