

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	1

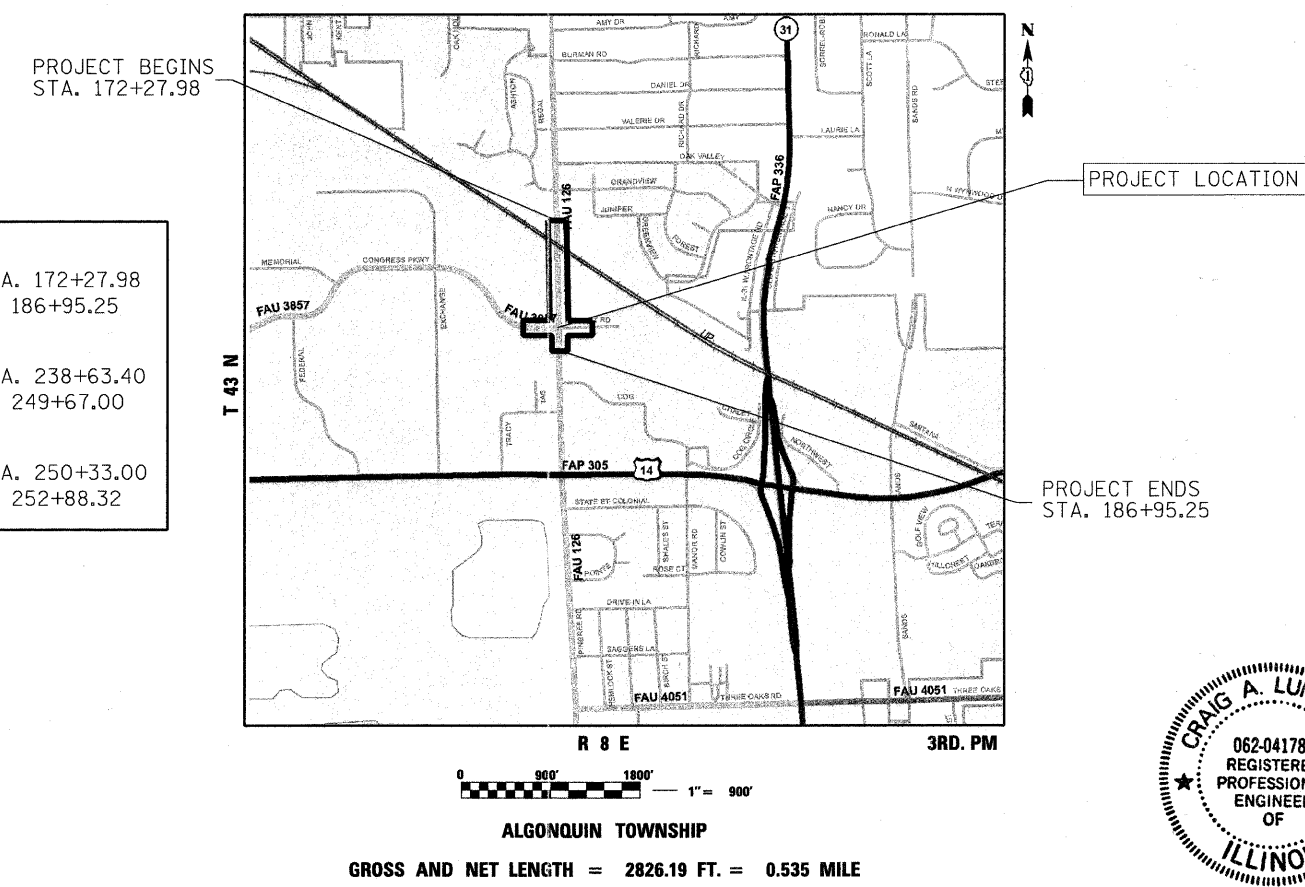
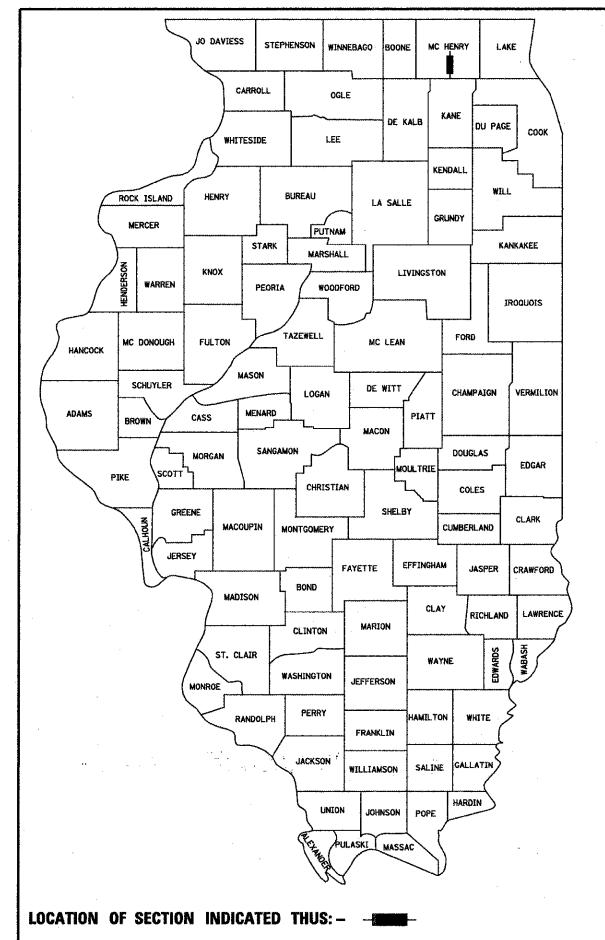
CONTRACT NO. 63519

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

PLANS FOR PROPOSED FEDERAL AID HIGHWAY

F.A.U. ROUTE 126 (PINGREE ROAD)
FROM U.P.R.R. TO CONGRESS PARKWAY
SECTION 95-00090-01-FP
PROJECT M-9003(661)
JOB C-91-647-10
ROAD RECONSTRUCTION
McHENRY COUNTY

FOR INDEX OF SHEETS, SEE SHEET NO. 2



PINGREE ROAD:
PROJECT BEGINS: STA. 172+27.98
PROJECT ENDS: STA. 186+95.25

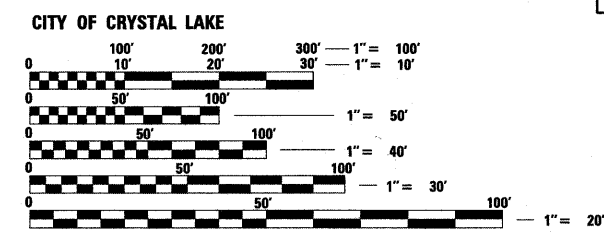
CONGRESS PARKWAY:
PROJECT BEGINS: STA. 238+63.40
PROJECT ENDS: STA. 249+67.00

RICKERT ROAD:
PROJECT BEGINS: STA. 250+33.00
PROJECT ENDS: STA. 252+88.32

DESIGN DESIGNATION

PINGREE ROAD - COLLECTOR
ADT PINGREE ROAD: 11,300 (2002)
ADT PINGREE ROAD: 18,500 (2025)
POSTED SPEED LIMIT PINGREE ROAD: 35 MPH
DESIGN SPEED LIMIT PINGREE ROAD: 35 MPH

PROJECT LOCATED IN:



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

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

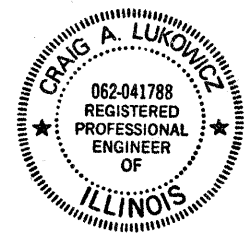
CONTRACT NO. 63519

CONSULTING ENGINEERS, SCIENTISTS & LAND SURVEYORS

B Bollinger, Lach & Associates, Inc.
333 PIERCE ROAD SUITE 200 ITASCA, IL 60143
P(630) 438 6400 F(630) 438 6444 www.bollingerlach.com
ITASCA * CHICAGO * ALGONQUIN * LAKE GENEVA * SOUTH BEND * INDIANAPOLIS

Craig A. Lukowicz
CRAIG A. LUKOWICZ
ILLINOIS REGISTERED PROFESSIONAL ENGINEER NO. 062-041788
MY LICENSE EXPIRES ON 11-30-11.

DATE 8/29/11



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

APPROVED Aug. 29 20 11
Gail D. Mearns
CITY OF CRYSTAL LAKE

PASSED SEPTEMBER 20 11
Christina M. O'Keefe
DISTRICT ONE ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
BASED ON LIMITED
REVIEW SEPTEMBER 13 20 11
Diana M. O'Keefe
DEPUTY DIRECTOR OF HIGHWAYS, REGION ONE ENGINEER

**PRINTED BY THE AUTHORITY
OF THE STATE OF ILLINOIS**

PROGRAM AND OFFICE ENGINEER: CHARLES F. RIDDLE, P.E. - (847)-705-4406 SCHAUMBURG, IL

SUMMARY OF QUANTITIES				CONSTRUCTION CODE				
				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	ROADWAY 0005 URBAN	SAFETY 0021 URBAN	LANDSCAPING 0031 URBAN	STRUCTURES 0040 URBAN
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	281	281				
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	98	98				
20200100	EARTH EXCAVATION	CU YD	4126	4126				
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	3951	3951				
20800150	TRENCH BACKFILL	CU YD	365	365				
21301060	EXPLORATION TRENCH 60" DEPTH	FOOT	300	300				
21101615	TOPSOIL FURNISH AND PLACE, 4"	SQ YD	7465				7465	
* 25000400	NITROGEN FERTILIZER NUTRIENT	POUND	93				93	
* 25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	93				93	
* 25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	93				93	
* 25200110	SODDING, SALT TOLERANT	SQ YD	7465				7465	
* 25200200	SUPPLEMENTAL WATERING	UNIT	75				75	
* 28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	155	155				
28000400	PERIMETER EROSION BARRIER	FOOT	4100	4100				
28000510	INLET FILTERS	EACH	26	26				
40600100	BITUMINOUS MATERIALS (PRIME COAT)	GALLON	4936	4936				
40600300	AGGREGATE (PRIME COAT)	TON	19	19				
40600625	LEVELING BINDER (MACHINE METHOD), N50	TON	200		200			
40600895	CONSTRUCTING TEST STRIP	EACH	3	3				
40600982	HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT	SQ YD	58		58			
40603085	HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70	TON	4510	4510				
40603340	HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70	TON	1453	1061	392			
42001300	PROTECTIVE COAT	SQ YD	1200	1200				
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	20200			20200		
42400400	PORTLAND CEMENT CONCRETE SIDEWALK 7 INCH	SQ FT	447			447		
42400800	DETECTABLE WARNINGS	SQ FT	40			40		
44000100	PAVEMENT REMOVAL	SQ YD	5225	5225				
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	3500		3500			
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	1098	1098				

SUMMARY OF QUANTITIES				CONSTRUCTION CODE				
				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	ROADWAY 0005 URBAN	SAFETY 0021 URBAN	STRUCTURES 0040 URBAN	TRAINEES 0042 URBAN
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	2922	2922				
44000600	SIDEWALK REMOVAL	SQ FT	5143			5143		
44201709	CLASS D PATCHES, TYPE III, 5 INCH	SQ YD	166		166			
44201807	CLASS D PATCHES, TYPE III, 13 INCH	SQ YD	535		535			
44300200	STRIP REFLECTIVE CRACK CONTROL TREATMENT	FOOT	6850	6850				
50200100	STRUCTURE EXCAVATION	CU YD	104				104	
50300225	CONCRETE STRUCTURES	CU YD	26.7				26.7	
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	2450				2450	
50901760	PIPE HANDRAIL	FOOT	75				75	
54213663	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 18"	EACH	1	1				
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	141	141				
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	477	477				
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	460	460				
55100500	STORM SEWER REMOVAL 12"	FOOT	111	111				
55100700	STORM SEWER REMOVAL 15"	FOOT	251	251				
55100900	STORM SEWER REMOVAL 18"	FOOT	317	317				
* 56400100	FIRE HYDRANTS TO BE MOVED	EACH	4	4				
* 56400400	FIRE HYDRANTS TO BE RELOCATED	EACH	1	1				
59100100	GEOCOMPOSITE WALL DRAIN	SQ YD	35	35				
60200105	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	8	8				
60200805	CATCH BASINS, TYPE A, 4'-DIAMETER, TYPE 8 GRATE	EACH	1	1				
60207605	CATCH BASINS, TYPE C, TYPE 8 GRATE	EACH	2	2				
60218300	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	5	5				
60218400	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	4	4				
60221000	MANHOLES, TYPE A, 5'-DIAMETER, TYPE 1 FRAME, OPEN LID	EACH	2	2				
60265700	VALVE VAULTS TO BE ADJUSTED	EACH	4	4				
60500040	REMOVING MANHOLES	EACH	1	1				
60500050	REMOVING CATCH BASINS	EACH	3	3				
60500060	REMOVING INLETS	EACH	16	16				
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	1746	1746				

* SPECIALTY ITEMS

FILE NAME =	USER NAME = cesario	DESIGNED - BD	REVISED -
FA\396-064 Pingree Road\CADD\Sheets\Ildo	Format\DI63519-aht-50Q.Ldgn	DRAWN - DC	REVISED -
	PLOT SCALE = 50.0000' / IN.	CHECKED - BD	REVISED -
	PLOT DATE = 9/14/2011	DATE - 08-29-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PINGREE ROAD RECONSTRUCTION
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 3 OF 92 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHEMRY	92	3
CONTRACT NO. 63519				
[ILLINOIS] FED. AID PROJECT				

SUMMARY OF QUANTITIES				CONSTRUCTION CODE				
				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	ROADWAY 0005 URBAN	SAFETY 0021 URBAN	STRUCTURES 0040 URBAN	TRAINEES 0042 URBAN
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	2344	2344				
60618800	CONCRETE MEDIAN, TYPE SB	SQ FT	2303	2303				
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	7	7				
67100100	MOBILIZATION	L SUM	1	1				
70102620	TRAFFIC CONTROL & PROTECTION, STANDARD 701501	L SUM	1			1		
70102635	TRAFFIC CONTROL & PROTECTION, STANDARD 701701	L SUM	1			1		
70106800	CHANGEABLE MESSAGE SIGN	CAL MO	6			6		
72000100	SIGN PANEL - TYPE 1	SQ FT	30			30		
72000200	SIGN PANEL - TYPE 2	SQ FT	22			22		
78000100	THERMOPLASTIC PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	433	433				
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	6705	6705				
78000400	THERMOPLASTIC PAVEMENT MARKING - LINE 6"	FOOT	2302	2302				
78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	1555	1555				
78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	163	163				
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	576			576		
81000700	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL	FOOT	113			113		
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	25			25		
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	121			121		
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	315			315		
81400100	HANDHOLE	EACH	5			5		
81400200	HEAVY-DUTY HANDHOLE	EACH	2			2		
81400300	DOUBLE HANDHOLE	EACH	2			2		
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	677			677		
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL	EACH	1			1		
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 2C	FOOT	411			411		
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 3C	FOOT	1300			1300		
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 5C	FOOT	2388			2388		
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14, 7C	FOOT	1267			1267		
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14, 1 PAIR	FOOT	1805			1805		

*** SPECIALTY ITEMS**

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PLOT DATE = 9/14/2011		DATE - 08-29-2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PINGREE ROAD RECONSTRUCTION
SUMMARY OF QUANTITIES**

SCALE: N.T.S. SHEET NO. 4 OF 92 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES				CONSTRUCTION CODE				
				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	ROADWAY 0005 URBAN	SAFETY 0021 URBAN	STRUCTURES 0040 URBAN	TRAINEES 0042 URBAN
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6, 2 C	FOOT	48			48		
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 14 FT.	EACH	1			1		
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 15 FT.	EACH	1			1		
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL, 16 FT.	EACH	2			2		
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1			1		
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1			1		
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1			1		
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1			1		
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16			16		
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4			4		
87800415	CONCRETE FOUNDATION, TYPE E, 36-INCH DIAMETER	FOOT	60			60		
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	7			7		
88030080	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	2			2		
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST-ARM MOUNTED	EACH	2			2		
88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1			1		
88030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1			1		
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1			1		
88030250	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1			1		
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2			2		
88102740	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	1			1		
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	11			11		
88500100	INDUCTIVE LOOP DETECTOR	EACH	9			9		
88600700	PREFORMED DETECTOR LOOP	FOOT	837			837		
88700200	LIGHT DETECTOR	EACH	3			3		
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1			1		
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4			4		

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	4
CONTRACT NO. 63519				
ILLINOIS FED. AID PROJECT				

SUMMARY OF QUANTITIES				CONSTRUCTION CODE				
				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	ROADWAY 0005 URBAN	SAFETY 0021 URBAN	LANDSCAPING 0031 URBAN	STRUCTURES 0040 URBAN
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1			1		
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1			1		
89502380	REMOVE EXISTING HANDHOLE	EACH	9			9		
* A2001024	TREE, ACER RUBRUM (RED MAPLE), 3" CALIPER, BALLED AND BURLAPPED	EACH	4				4	
* A2004614	TREE, GLEDITSIA TRIACANTHOS INERMIS PRINCETON (PRINCETON THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED	EACH	6				6	
* B0001716	TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	3				3	
* B2002916	TREE, MALUS BEVERLY (BEVERLY CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	14				14	
* B2005816	TREE, PYRUS CALLERYANA RED SPIRE (RED SPIRE CALLERY PEAR), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED	EACH	8				8	
X0322936	REMOVE EXISTING FLARED END SECTION	EACH	3	3				
X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	31	31				
X4022000	TEMPORARY ACCESS (COMMERCIAL ENTRANCE)	EACH	5	5				
X4023000	TEMPORARY ACCESS (ROAD)	EACH	2	2				
X6023204	INLETS, TYPE A, TYPE 1 FRAME, OPEN LID, SPECIAL	EACH	7	7				
X6026050	SANITARY MANHOLES TO BE ADJUSTED	EACH	9	9				
XX008438	TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR	EACH	1			1		
80500020	SERVICE INSTALLATION - POLE MOUNTED	EACH	1			1		
86200120	UNINTERRUPTIBLE POWER SUPPLY	EACH	1			1		
87301900	ELECTRIC CABLE IN CONDUITN EQUIPMENT GROUNDING CONDUCTOR, NO. 6, 1C	FOOT	754			754		
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED	FOOT	861			861		
Z0001050	AGGREGATE SUBGRADE 12"	SQ YD	10826	10826				
Z0013798	CONSTRUCTION LAYOUT	L SUM	1	1				
Z0030850	TEMPORARY INFORMATION SIGNING	SQ FT	77	77				

* SPECIALTY ITEMS

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PLOT DATE = 9/14/2011		DATE - 08-29-2011	REVISED -

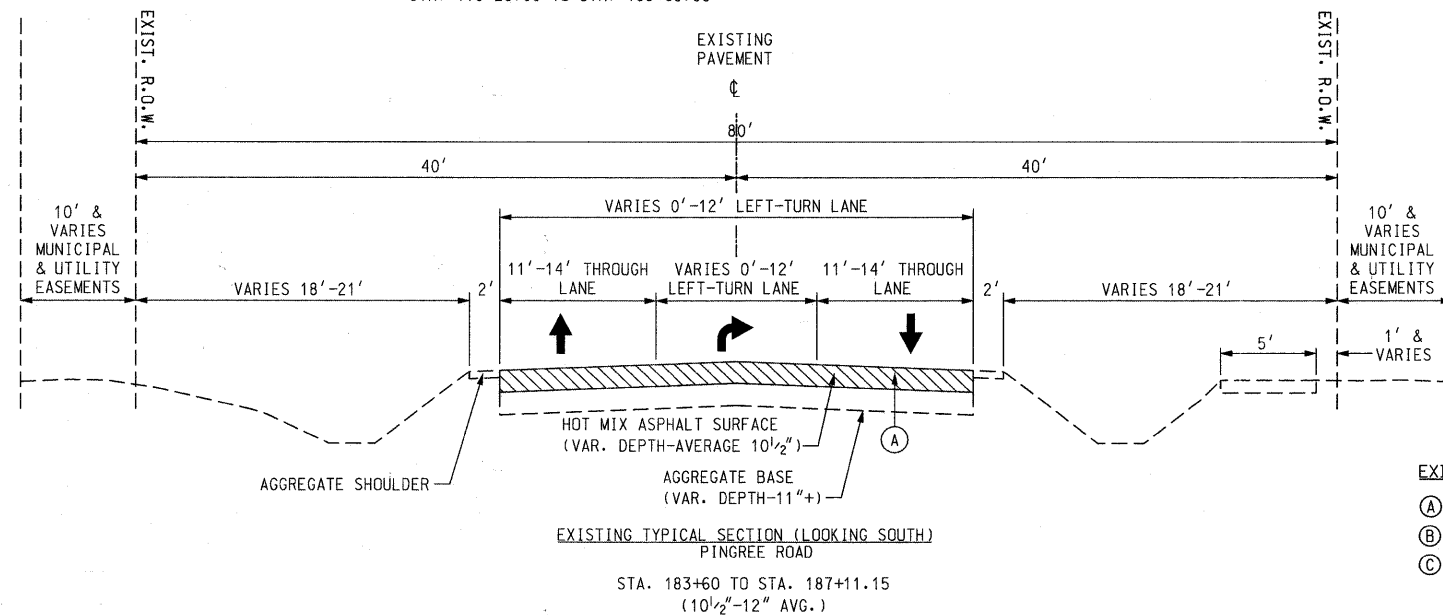
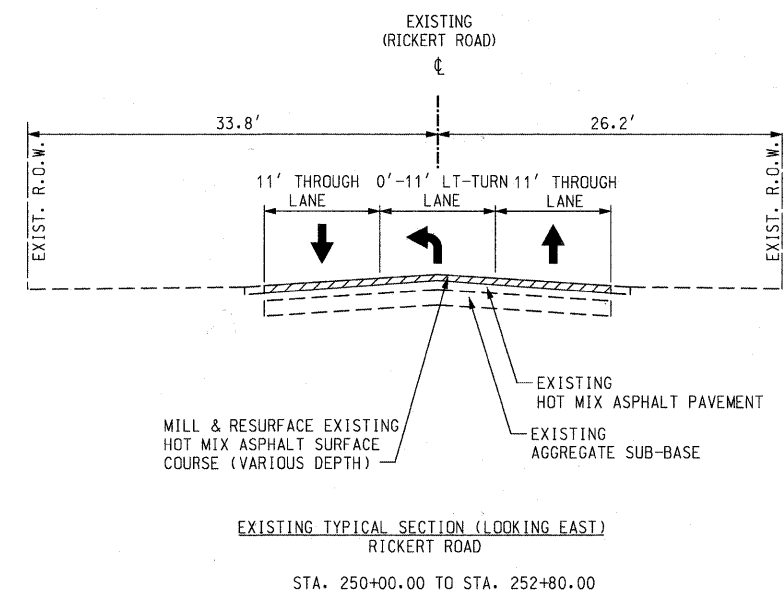
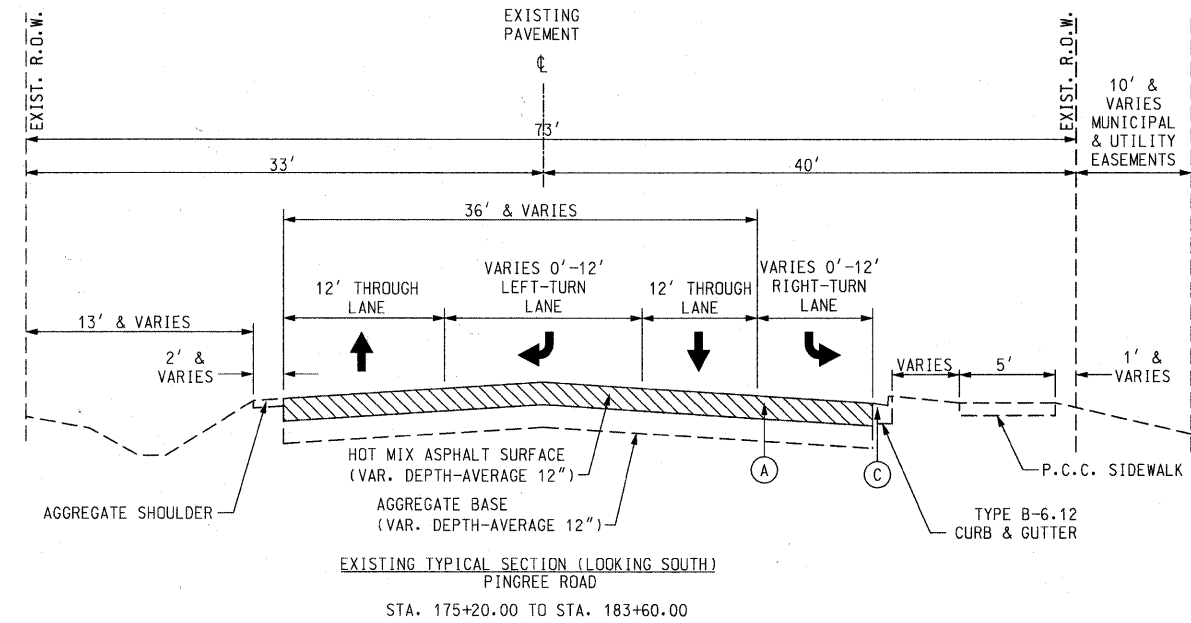
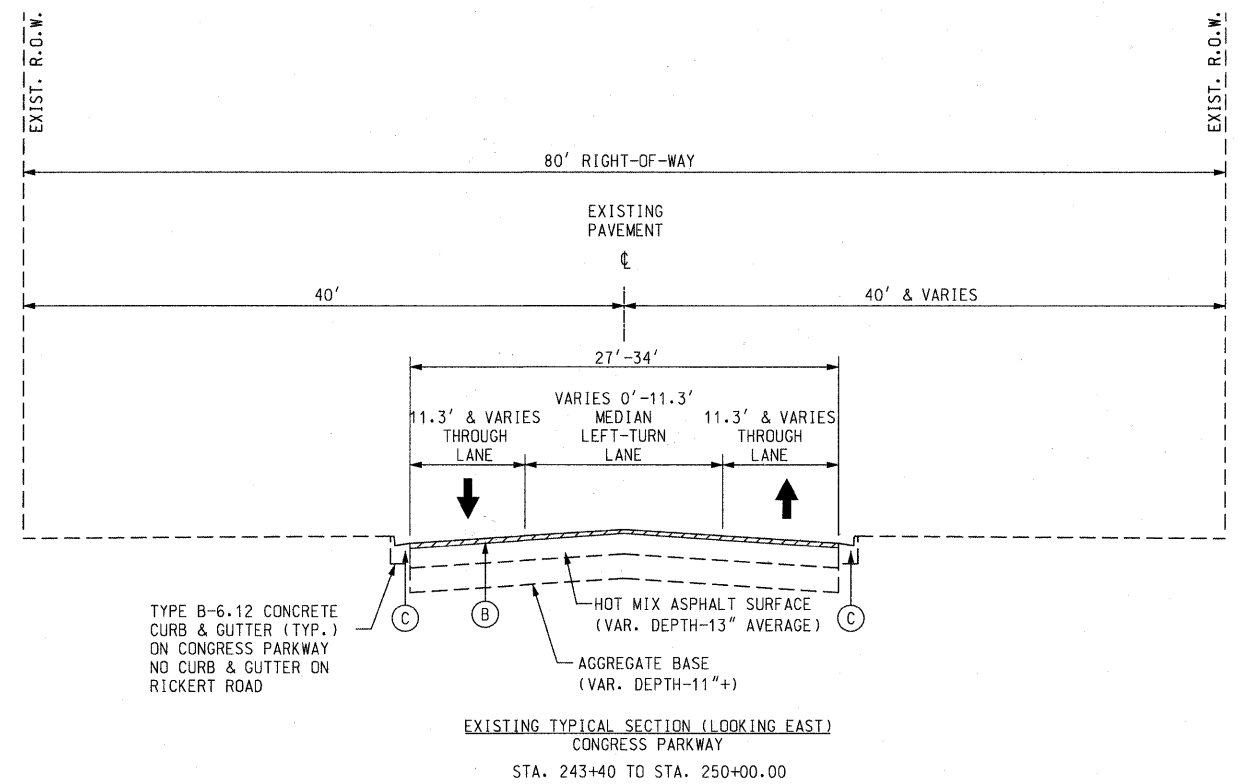
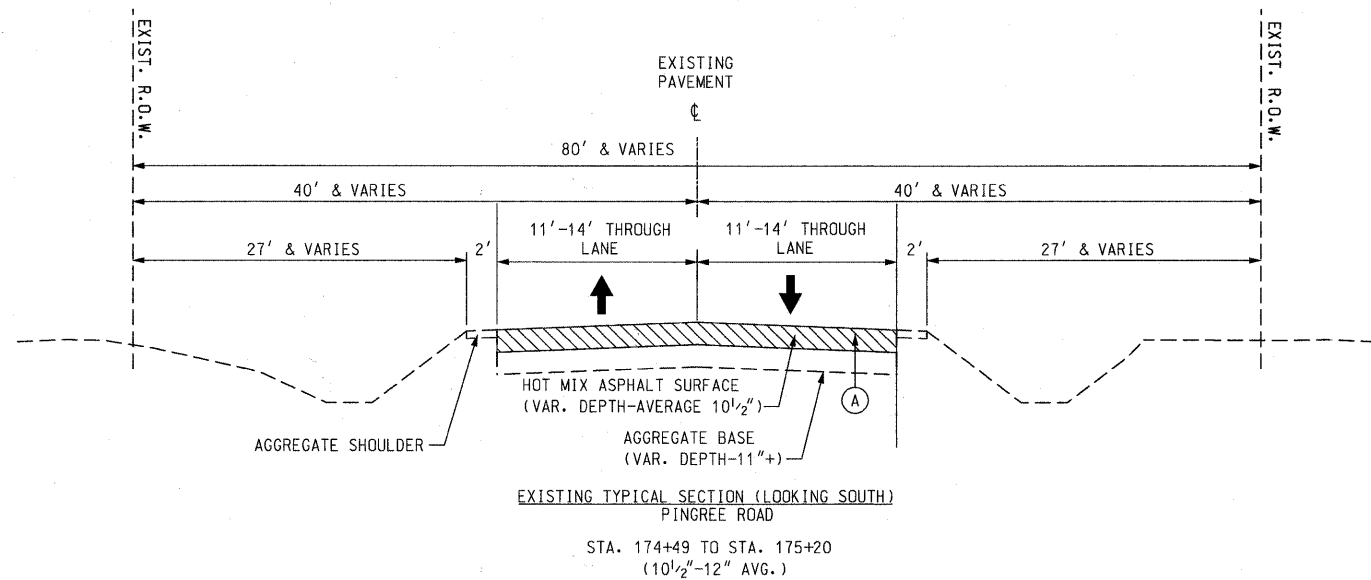
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PINGREE ROAD RECONSTRUCTION
SUMMARY OF QUANTITIES

SCALE: N.T.S. SHEET NO. 5 OF 92 SHEETS STA. TO STA.

SUMMARY OF QUANTITIES				CONSTRUCTION CODE				
				80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY	80% FED 20% CITY
CODE NO.	ITEM	UNIT	TOTAL QUANTITY	ROADWAY 0003 URBAN	ROADWAY 0005 URBAN	SAFETY 0021 URBAN	STRUCTURES 0040 URBAN	TRAINEES 0042 URBAN
Z0042002	POROUS GRANULAR EMBANKMENT, SUBGRADE	CU YD	1132	1132				
Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	76	76				
Z0048665	RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	1	1				
Z0050600	REMOVE AND RESET ORNAMENTAL FENCE	FOOT	405	405				
Z0056608	STORM SEWER (WATER MAIN REQUIREMENTS) 12 INCH	FOOT	169	169				
Z0056612	STORM SEWER (WATER MAIN REQUIREMENTS) 18 INCH	FOOT	73	73				
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1			1		
Z0076600	TRAINEES	HOURL	1500					1500
XX007562	SIGN REMOVAL, SPECIAL	L SUM	1	1				

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	5
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	



EXISTING:

- (A) PAVEMENT REMOVAL, FULL DEPTH: 11"AVG. (NOT EARTH EXCAVATION)
- (B) HMA SURFACE REMOVAL, VARIABLE DEPTH (2" AVERAGE)
- (C) COMBINATION CURB AND GUTTER REMOVAL
- PAVEMENT REMOVAL/HMA SURFACE REMOVAL

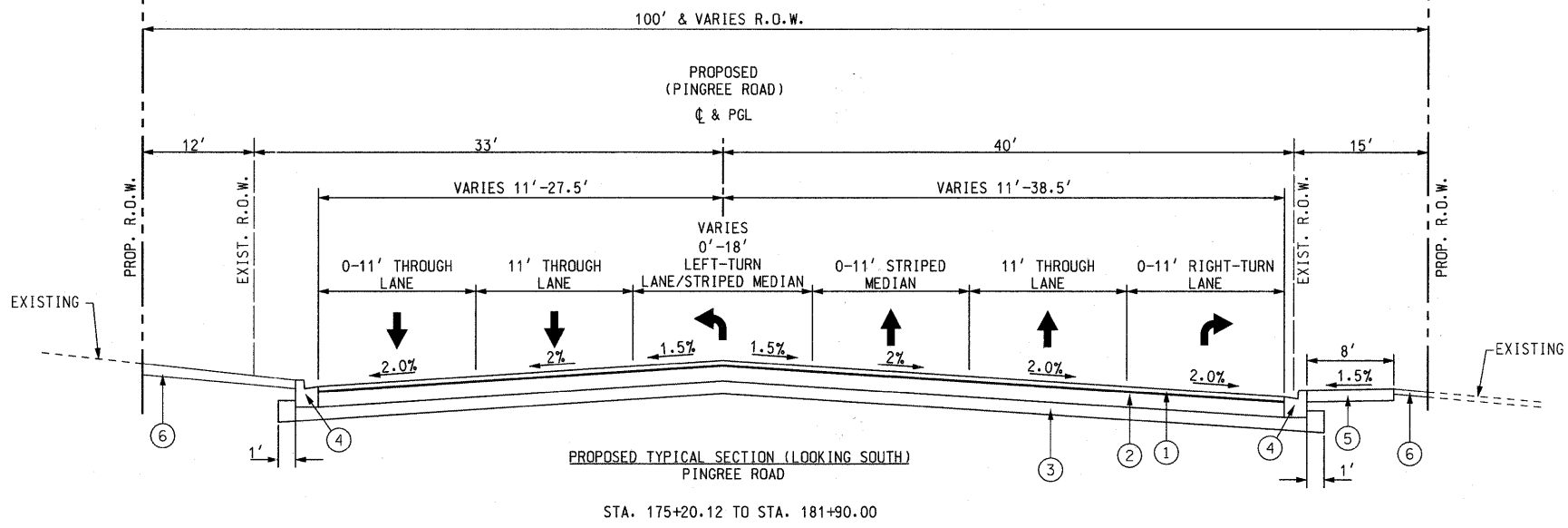
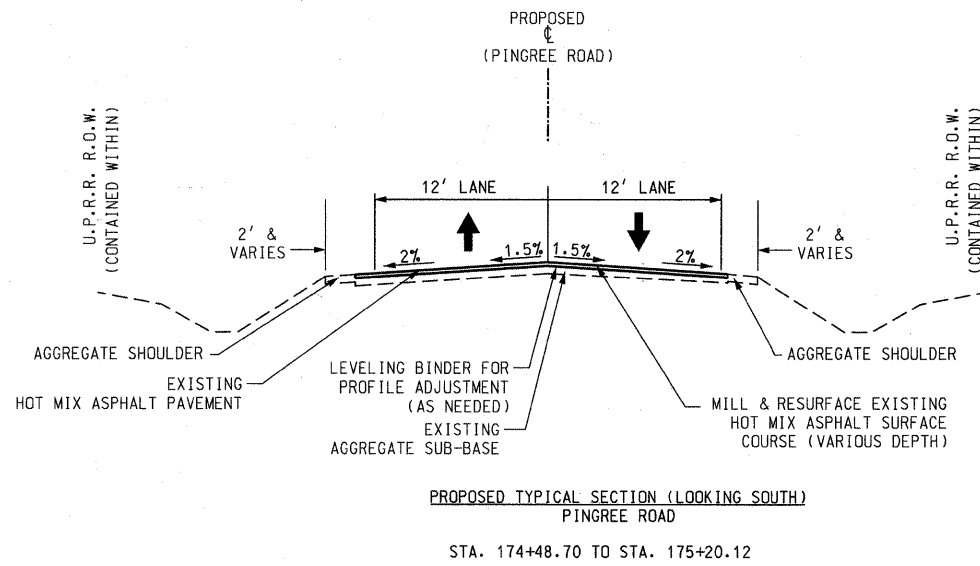
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PLOT SCALE = 50.0000' / IN.		CHECKED - BD	REVISED -
PLOT DATE = 9/14/2011		DATE - 08-29-2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PINGREE ROAD RECONSTRUCTION
EXISTING TYPICAL SECTIONS**

SCALE: N.T.S. SHEET NO. 6 OF 92 SHEETS STA. TO STA.

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHEMRY	92	6
CONTRACT NO. 63519				
ILLINOIS FED. AID PROJECT				



CONTRACTOR SHALL MILL SURFACE PRIOR TO PATCHING

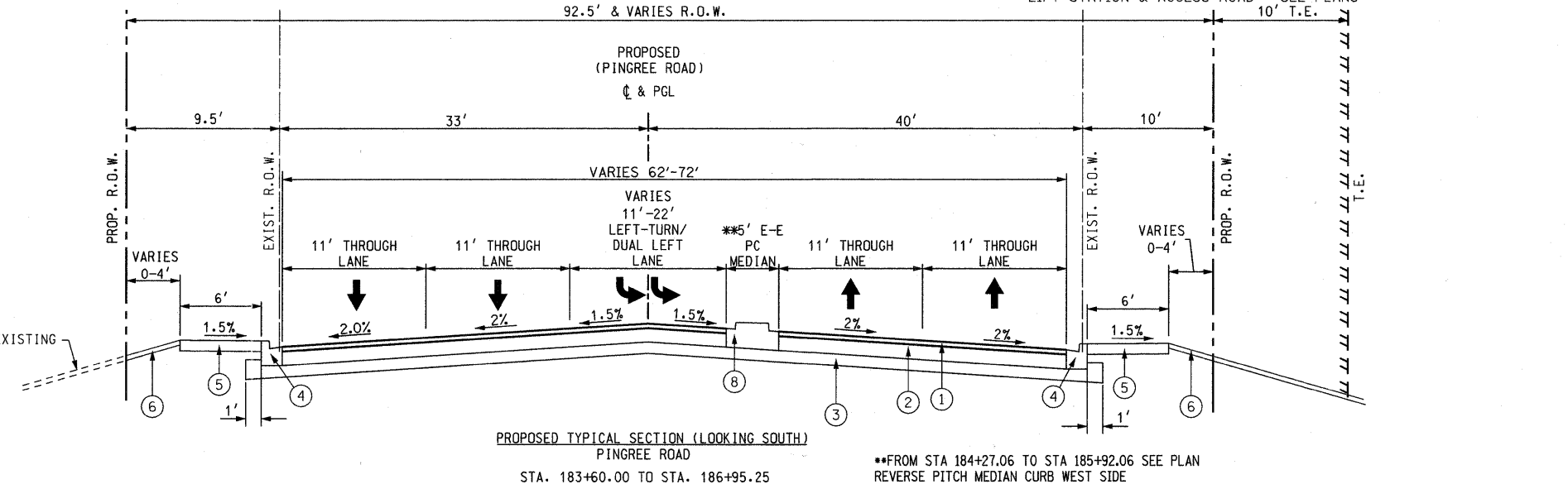
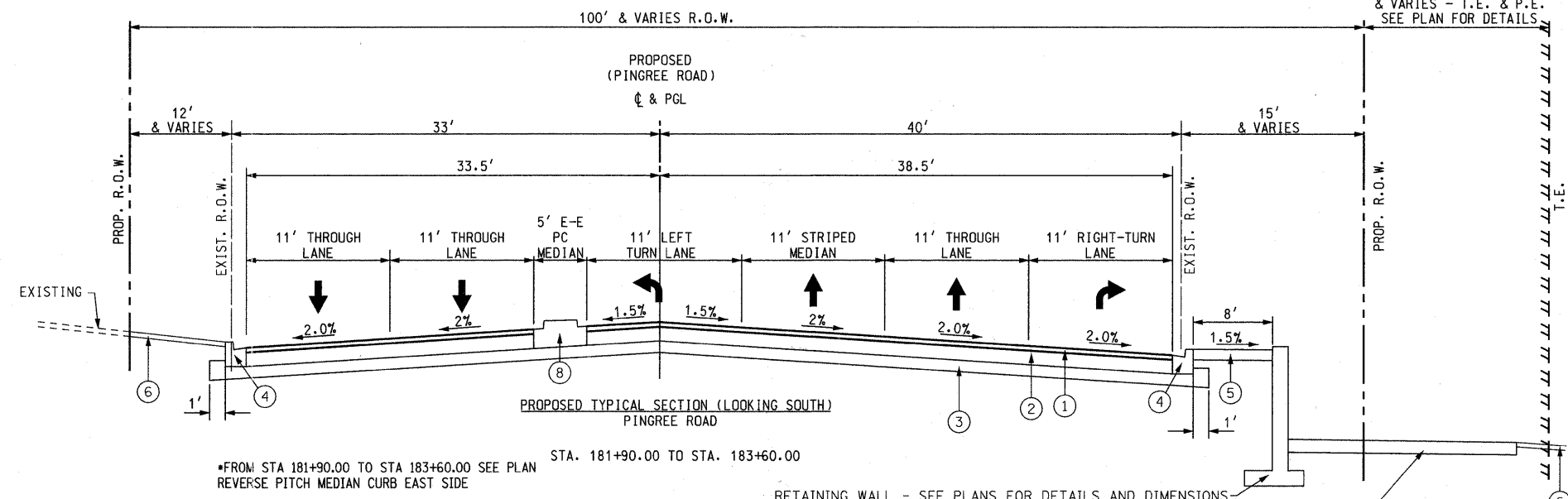
HMA MIXTURE REQUIREMENTS CHART		
MIXTURE TYPE	AIR VOIDS @ Ndes	THICKNESS
ROADWAY RESURFACING		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	4% @ 70 GYR.	2"
LEVELING BINDER (MACHINE METHOD), N50 (IL-9.5mm)	4% @ 50 GYR.	0-3/4"
ROADWAY WIDENING (RICKERT ROAD AND CONGRESS PARKWAY)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	4% @ 70 GYR.	2"
HOT-MIX ASPHALT BINDER COURSE, IL-19, N70	4% @ 70 GYR.	8 1/4" (IN 3 LIFTS)
ROADWAY RECONSTRUCTION (PINGREE ROAD)		
HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70 (IL-9.5mm)	4% @ 70 GYR.	2"
HOT-MIX ASPHALT BINDER COURSE, IL-19, N70	4% @ 70 GYR.	9 1/4" (IN 3 LIFTS)
DRIVEWAY PAVEMENT		
HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N50	4% @ 50 GYR.	2"
HOT-MIX ASPHALT BASE COURSE (HMA BINDER, IL-19mm)	4% @ 50 GYR.	8" (IN 4 LIFTS)
PAVEMENT PATCHING		
CLASS D PATCHES, TYPE III, 5 INCH HOT-MIX ASPHALT BASE COURSE (HMA BINDER, IL-19mm)	4% @ 70 GYR.	5"
CLASS D PATCHES, TYPE III, 13 INCH HOT-MIX ASPHALT BASE COURSE (HMA BINDER, IL-19mm)	4% @ 70 GYR.	13"

NOTES: THE UNIT WEIGHT USED TO CALCULATE ALL HOT MIX ASPHALT SURFACE MIXTURES IS 112 LBS/SQ YD/IN

THE "AC TYPE" FOR POLYMERIZED HMA MIXES SHALL BE "SBS/SBR PG 70-22" AND FOR NON-POLYMERIZED HMA THE "AC TYPE" SHALL BE "PG 64-22" UNLESS MODIFIED BY DISTRICT ONE SPECIAL PROVISIONS. FOR "PERCENT OF RAP" SEE DISTRICT ONE SPECIAL PROVISIONS.

PROPOSED TYPICAL SECTION LEGEND

- ① HOT-MIX ASPHALT SURFACE COURSE (IL-9.5mm) 2", MIX "D", N70
- ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, 9/4", N70
- ③ AGGREGATE SUBGRADE 12"
- ④ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑤ PORTLAND CEMENT CONCRETE SIDEWALK, 4", OR 7" ACROSS DRIVEWAYS (SEE PLANS FOR LOCATIONS)
- ⑥ TOP SOIL FURNISH AND PLACE, 4" AND SODDING, SALT TOLERANT SLOPES VARY FROM 3:1 AND FLATTER (TYP.)
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑧ CONCRETE MEDIAN, SB



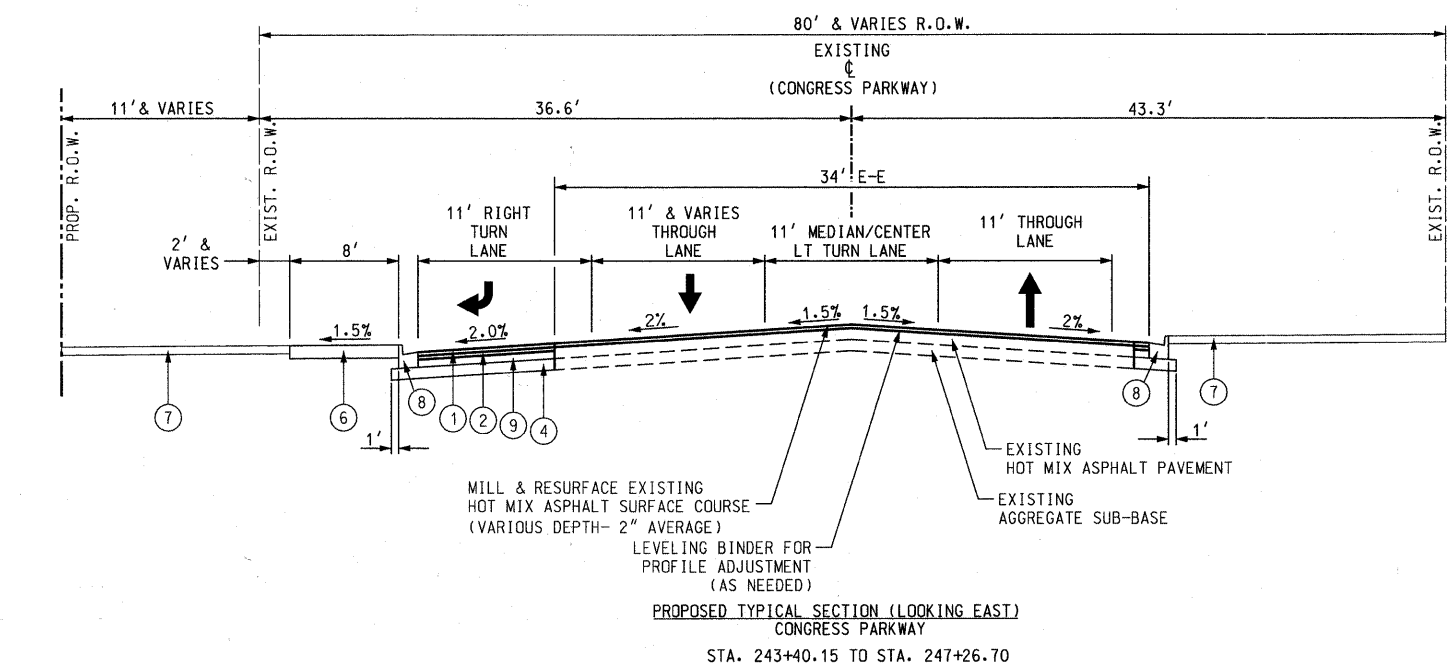
FILE NAME = F:\396-864 Pingree Road\CADD\Sheets\Itdos	USER NAME = cesario	DESIGNED - BD	REVISED -
Format\0163519-sht-typical-proposed.dgn		DRAWN - DC	REVISED -
PLOT SCALE = 50.0000' / IN.		CHECKED - BD	REVISED -
PLOT DATE = 9/14/2011		DATE - 08-29-2011	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

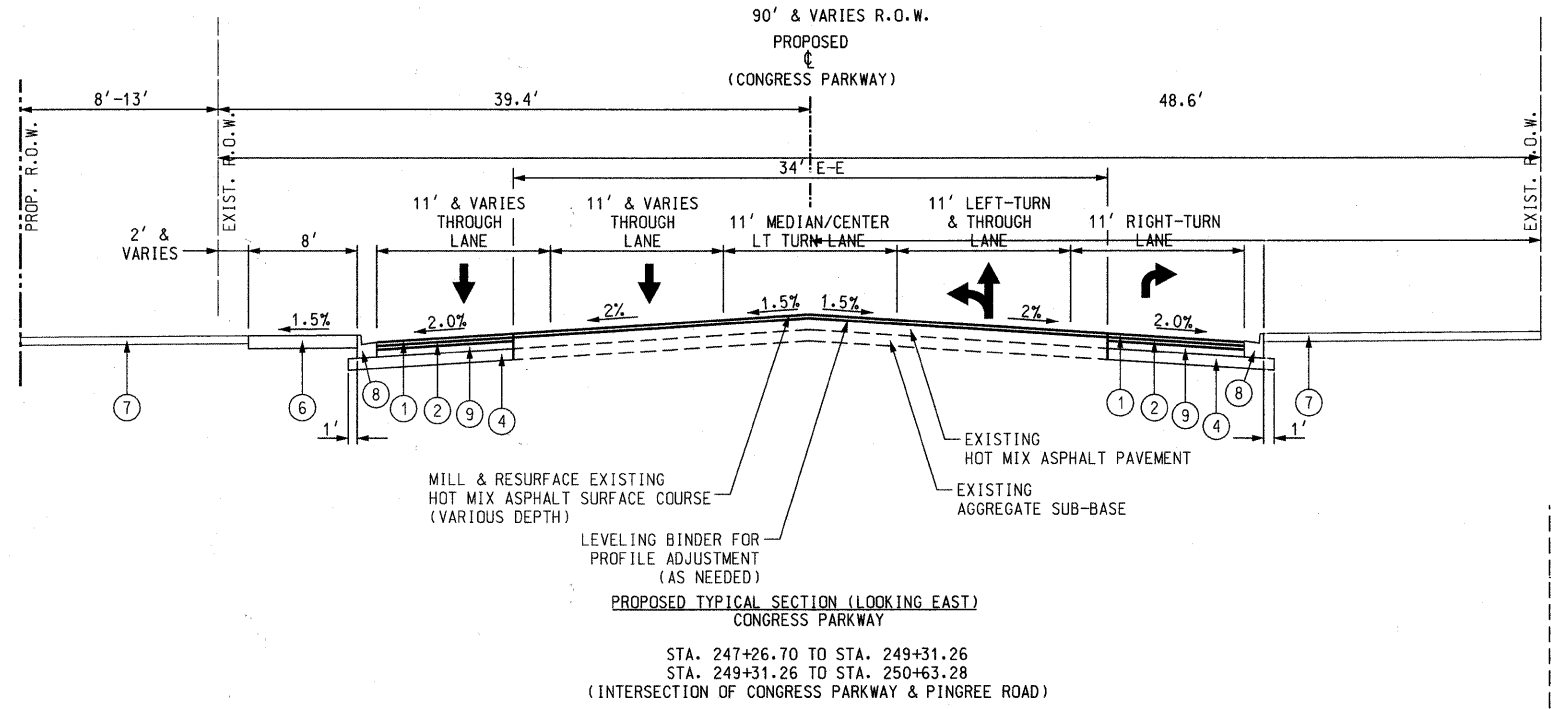
PINGREE ROAD RECONSTRUCTION
PROPOSED TYPICAL SECTIONS

SCALE: N.T.S. SHEET NO. 7 OF 92 SHEETS STA. TO STA.

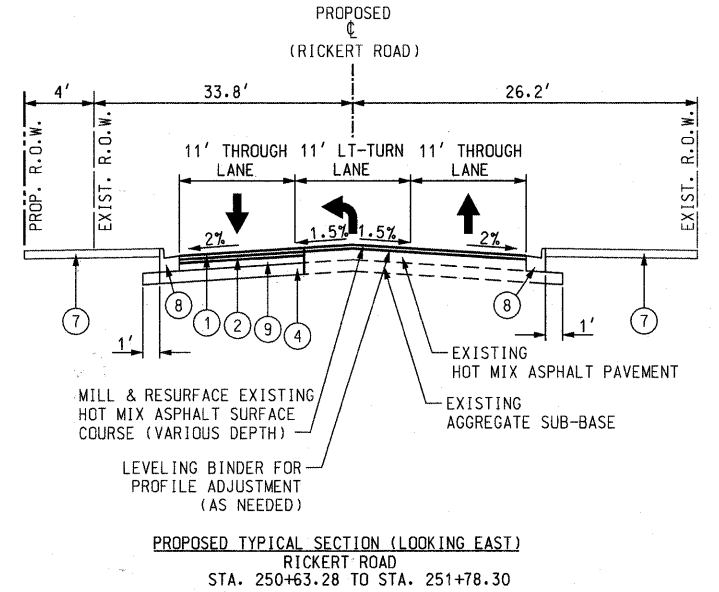
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	7
CONTRACT NO. 63519				
ILLINOIS FED. AID PROJECT				



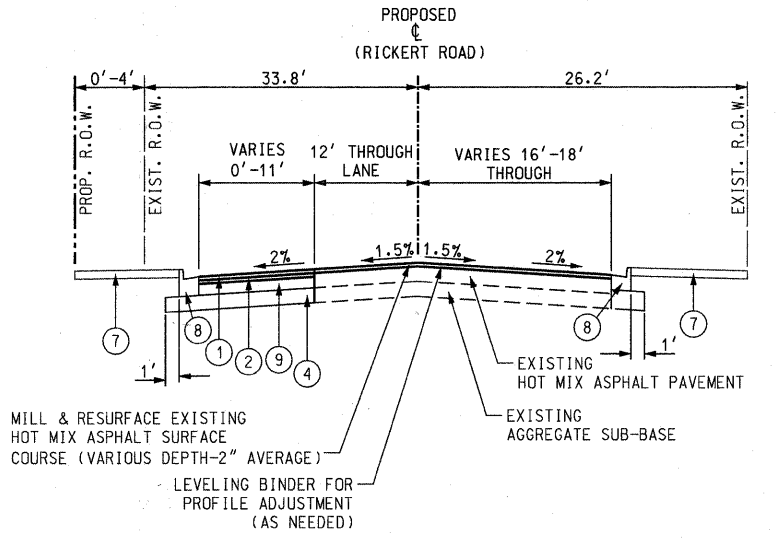
PROPOSED TYPICAL SECTION (LOOKING EAST)
CONGRESS PARKWAY
STA. 243+40.15 TO STA. 247+26.70



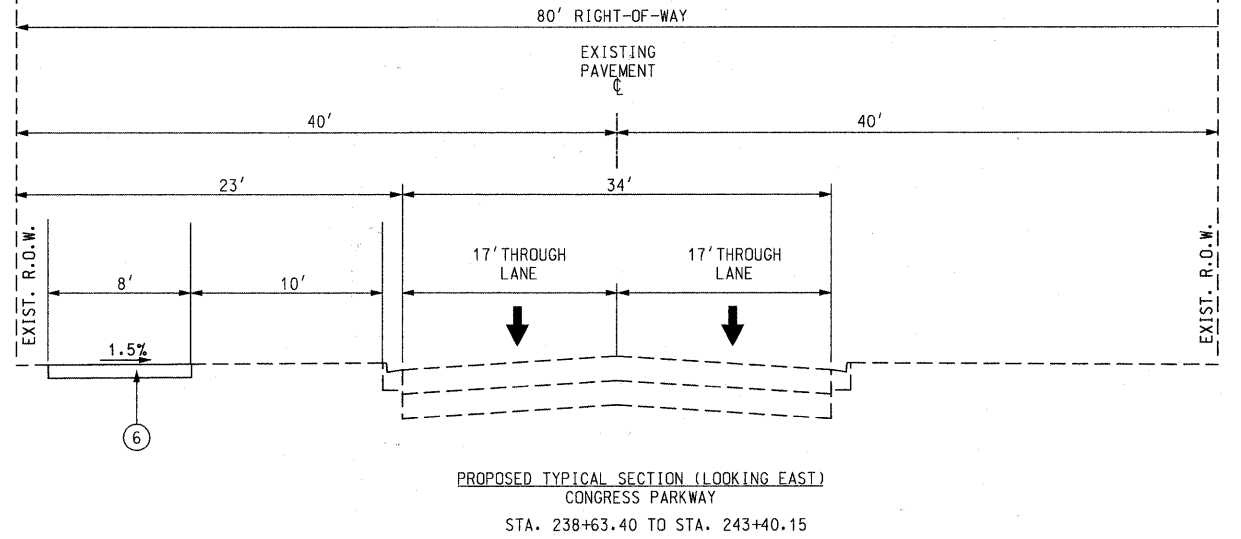
PROPOSED TYPICAL SECTION (LOOKING EAST)
CONGRESS PARKWAY
STA. 247+26.70 TO STA. 249+31.26
STA. 249+31.26 TO STA. 250+63.28
(INTERSECTION OF CONGRESS PARKWAY & PINGREE ROAD)



PROPOSED TYPICAL SECTION (LOOKING EAST)
RICKERT ROAD
STA. 250+63.28 TO STA. 251+78.30



PROPOSED TYPICAL SECTION (LOOKING EAST)
RICKERT ROAD
STA. 251+78.30 TO STA. 252+88.32



PROPOSED TYPICAL SECTION (LOOKING EAST)
CONGRESS PARKWAY
STA. 238+63.40 TO STA. 243+40.15

- PROPOSED TYPICAL SECTION LEGEND**
- ① HOT-MIX ASPHALT SURFACE COURSE (IL-9.5mm) 2", MIX "D", N70
 - ② HOT-MIX ASPHALT BINDER COURSE, IL-19.0, 2 1/4", N70
 - ④ AGGREGATE SUBGRADE 12"
 - ⑥ PORTLAND CEMENT CONCRETE SIDEWALK, 4"
 - ⑦ TOP SOIL FURNISH AND PLACE, SODDING, SALT TOLERANT
 - ⑧ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
 - ⑨ HOT-MIX ASPHALT BASE COURSE (HMA BINDER IL-19mm), 6"

FILE NAME =	USER NAME = dely	DESIGNED - BD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION PROPOSED TYPICAL SECTIONS	F.A.U. RTE. =	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\396-864 Pingree Road\CADD\Sheets\1dgn	Format\DI63519-ht-typical-proposed.2.dgn	DRAWN - DC	REVISED -			126	95-00090-01-FP	McHENRY	92	8
PLOT SCALE = 50.0000' / IN.		CHECKED - BD	REVISED -			CONTRACT NO. 63519				
PLOT DATE = 9/28/2011		DATE - 08-29-2011	REVISED -			ILLINOIS FED. AID PROJECT				

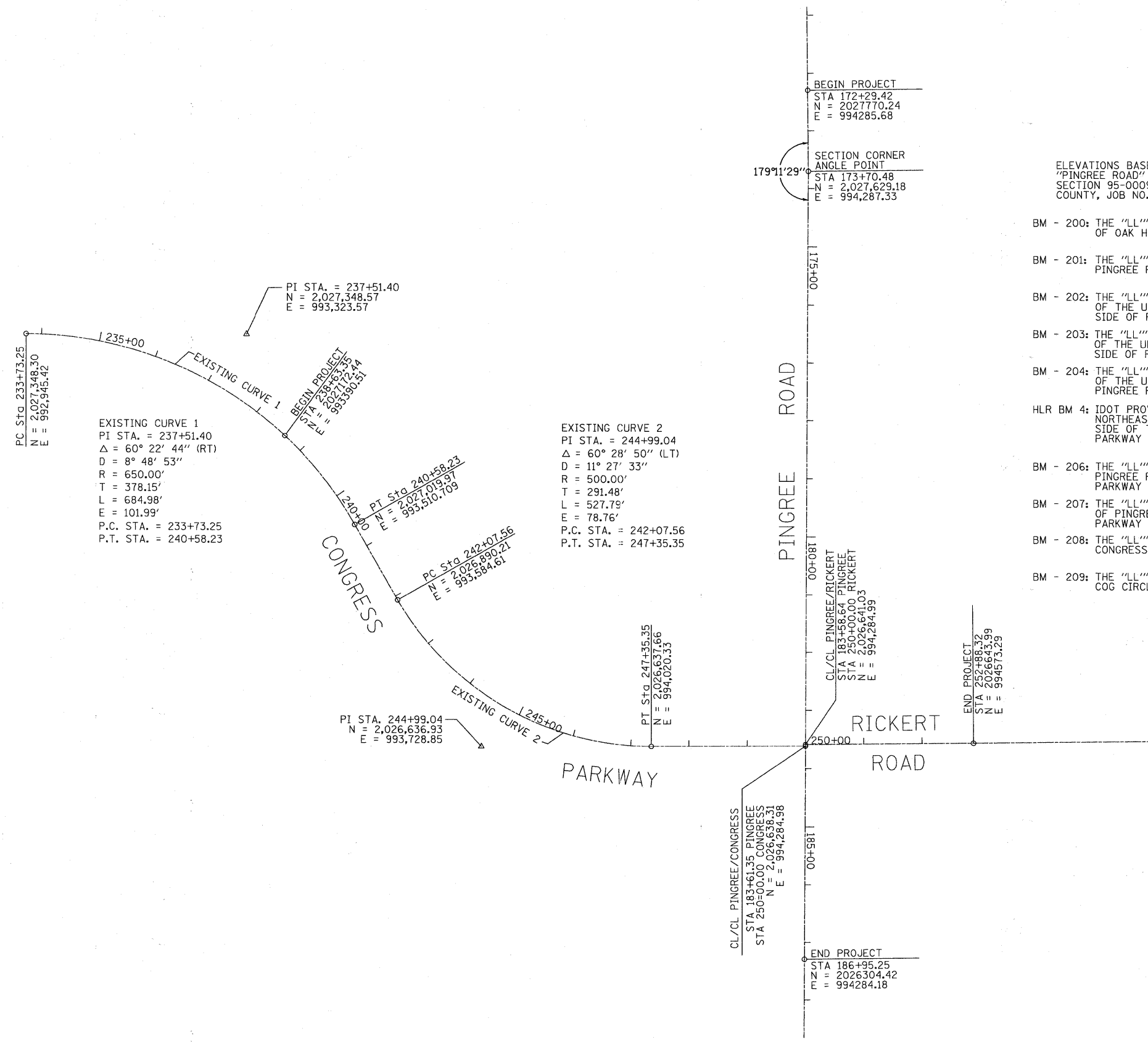
THERMOPLASTIC PAVEMENT MARKING-LINE 12"			
LOCATION STA.-STA.	LENGTH	PAINT LENGTH	UNIT
			FOOT
DIAGONALS @ 20' C-C			
175+67.00-181+90.00	VARIES	632	632
181+07.77-183+02.00	VARIES	100	100
186+92.65-189+18.06	8.48	68	68
186+91.78-189+17.67	VARIES	78	78
243+39.41-249+31.26	15.29	336	336
CROSS WALK DIAGONALS @ 3' C-C NO. LINES			
184+20.06	85.96	21	179
249+38.28	82.56	19	162
TOTAL:			1555

THERMOPLASTIC PAVEMENT MARKING-LINE 4"				
LOCATION STA.-STA.	OFFSET	LENGTH	PAINT LENGTH	UNIT
				FOOT
LANE LINE SKIP DASH (10' DASH 30' SKIP)				
181+37.00-183+02.00	RIGHT	165.00	41.25	41
184+27.06-189+21.06	LEFT	494.00	123.50	124
184+27.06-189+21.06	RIGHT	494.00	123.50	124
247+30.08-249+31.26	LEFT	201.18	50.30	50
DOUBLE YELLOW				
170+20.12-175+67.00	CL	47	94	94
175+67.00-177+37.00	LT/CL	170	340	340
175+67.00-180+06.41	RIGHT	440	880	880
180+06.41-181+90.00	RIGHT	184	368	368
177+37.00-181+90.00	LEFT	453	906	906
186+92.65-187+90.06	LEFT	98	196	196
187+90.06-189+18.06	LEFT	128	256	256
189+18.06-189+18.06	LEFT	10	20	20
186+93.31-187+90.40	RIGHT	98	196	196
187+90.40-189+18.06	RIGHT	128	256	256
189+18.06-189+06.00	RIGHT	10	20	20
243+39.56-245+78.87	LEFT	238	476	476
245+78.87-246+96.02	LEFT	117	234	234
246+96.02-247+30.08	LEFT	34	68	68
247+30.08-249+31.26	LEFT	204	408	408
243+39.29-245+78.61	RIGHT	243	486	486
245+78.61-246+96.01	RIGHT	120	240	240
246+96.01-247+30.08	RIGHT	35	70	70
247+30.08-249+31.26	RIGHT	201	402	402
250+63.28-251+78.28	RIGHT	115	230	230
251+78.28-252+88.28	RIGHT	110	220	220
TOTAL:			6705	

THERMOPLASTIC PAVEMENT MARKING-LINE 24"		
LOCATION STA.-STA.	LENGTH	UNIT FOOT
STOP BAR		
183+02.00	47.23	47
184+27.06	47.12	47
249+31.26	40.46	40
250+63.28	28.68	29
TOTAL:		163


THERMOPLASTIC PAVEMENT MARKING-LINE 6"				
LOCATION STA.-STA.	OFFSET	LENGTH	PAINT LENGTH	UNIT
				FOOT
SKIP DASH (2' DASH 6' SKIP)				
177+72.00-79+62.00		190.06	48	48
180+06.41-181+01.77		95.39	24	24
185+92.06-187+90.06		198.00	50	50
245+78.60-246+95.99		122.64	31	31
251+78.28-252+88.28		110.07	28	28
INTERSECTION		104	26	26
SOLID LINE				
179+62.00-183+02.00	RIGHT	340		340
184+27.06-185+92.06	LEFT	165		165
184+27.06-185+92.06	RIGHT	165		165
243+39.83-245+79.14	LEFT	233		233
245+79.14-247+30.08	LEFT	146		146
246+95.99-247+30.08	RIGHT	36		36
247+30.08-249+31.26	RIGHT	201		201
250+63.28-251+78.28	LEFT	115		115
243+40.11-245+79.04	LEFT	227		227
245+29.04-247+30.08	LEFT	144		144
CROSS WALK LINES				
184+20.06		82.82	166	166
249+38.43		78.41	157	157
TOTAL:			2302	

THERMOPLASTIC PAVEMENT MARKING-LETTERS & SYMBOLS				
LOCATION STA.	MARKING LINE	AREA	OFFSET	UNIT
				SQ FT
PINGREE ROAD				
177+83.50	RAILROAD CROSSING	111	8.05' LT	111
179+71.70	RIGHT TURN ONLY	21	28.79' RT	21
181+95.01	LEFT TURN ONLY	21	0.29' RT	21
182+62.75	LEFT TURN ONLY	21	0.34' RT	21
182+62.75	RIGHT TURN ONLY	21	34.09' RT	21
184+66.43	(2) LEFT TURN ONLY	41	6.67' LT & 4.95' RT	41
185+84.03	(2) LEFT TURN ONLY	41	5.94' LT & 5.67' RT	41
187+98.56	LEFT TURN ONLY	21	1.41' RT	21
188+81.66	LEFT TURN ONLY	21	1.27' RT	21
CONGRESS PARKWAY				
247+27.89	RIGHT TURN ONLY	21	27.89' RT	21
247+03.09	LEFT & THRU ARROW	15	14.27' RT	15
248+91.98	RIGHT TURN ONLY	21	27.85' RT	21
249+13.73	LEFT & THRU ARROW	15	14.38' RT	15
CONGRESS PARKWAY				
251+02.67	LEFT TURN ONLY	21	0.31' LT	21
251+70.17	LEFT TURN ONLY	21	0.95' LT	21
TOTAL:			433	



BENCHMARKS

- ELEVATIONS BASED ON PLANS PROVIDED BY IDOT - (FAU 0126 "PINGREE ROAD" AND FAP 305 "NORTHWEST HIGHWAY/US 14", SECTION 95-00090-01-FP, PROJECT M-8003(328), McHENRY COUNTY, JOB NO. C-91-647-10), CONTRACT NO. 63519
- BM - 200: THE "LL"'S IN MUELLER ON THE FIRST HYDRANT NORTH OF OAK HOLLOW ROAD ON THE WEST SIDE OF PINGREE ROAD
ELEVATION = 920.06
 - BM - 201: THE "LL"'S IN MUELLER ON THE FIRST HYDRANT WEST OF PINGREE ROAD ON THE NORTH SIDE OF OAK HOLLOW ROAD
ELEVATION = 918.05
 - BM - 202: THE "LL"'S IN MUELLER ON THE FIRST HYDRANT NORTH OF THE UNION PACIFIC RAILROAD TRACKS ON THE WEST SIDE OF PINGREE ROAD
ELEVATION = 914.62
 - BM - 203: THE "LL"'S IN MUELLER ON THE FIRST HYDRANT SOUTH OF THE UNION PACIFIC RAILROAD TRACKS ON THE EAST SIDE OF PINGREE ROAD
ELEVATION = 913.20
 - BM - 204: THE "LL"'S IN MUELLER ON THE SECOND HYDRANT SOUTH OF THE UNION PACIFIC RAILROAD ON THE EAST SIDE OF PINGREE ROAD
ELEVATION = 898.36
 - HLR BM 4: IDOT PROVIDED BENCHMARK - FOUND SQUARE CUT ON THE NORTHEAST CORNER OF THE CONCRETE SLAB ON THE NORTH SIDE OF THE PUMP HOUSE LOCATED JUST NORTH OF CONGRESS PARKWAY ON THE WEST SIDE OF PINGREE ROAD
ELEVATION = 896.30
 - BM - 206: THE "LL"'S IN MUELLER ON THE THIRD HYDRANT WEST OF PINGREE ROAD ON THE NORTHERLY SIDE OF CONGRESS PARKWAY
ELEVATION = 906.26
 - BM - 207: THE "LL"'S IN MUELLER ON THE SECOND HYDRANT WEST OF PINGREE ROAD ON THE NORTH SIDE OF CONGRESS PARKWAY
ELEVATION = 904.30
 - BM - 208: THE "LL"'S IN MUELLER ON THE FIRST HYDRANT SOUTH OF CONGRESS PARKWAY ON THE EAST SIDE OF PINGREE ROAD
ELEVATION = 903.82
 - BM - 209: THE "LL"'S IN MUELLER ON THE FIRST HYDRANT SOUTH OF COG CIRCLE ON THE EAST SIDE OF PINGREE ROAD
ELEVATION = 908.64



200 22ND Street, Suite 216, Lombard, IL 60148
630.785.0110 voice, 630.839.2566 fax
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MILLENNIA PROFESSIONAL SERVICES

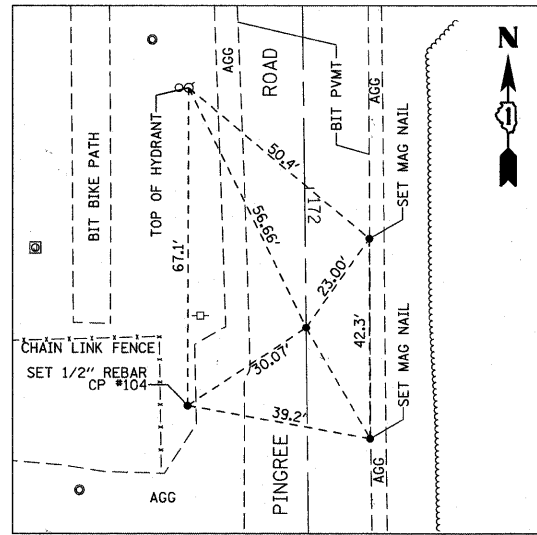
DESIGNED - CJD/TVN	REVISED -
DRAWN - CJD	REVISED -
CHECKED - TVN	REVISED -
DATE - 08-29-2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

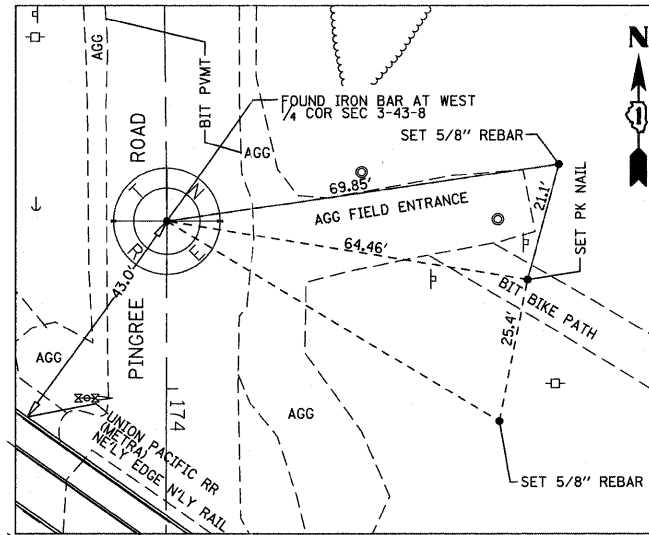
**PINGREE ROAD WIDENING
ALIGNMENT, TIES, AND BENCHMARKS**

SCALE: 1"=100' SHEET NO. 12 OF 89 SHEETS STA. TO STA.

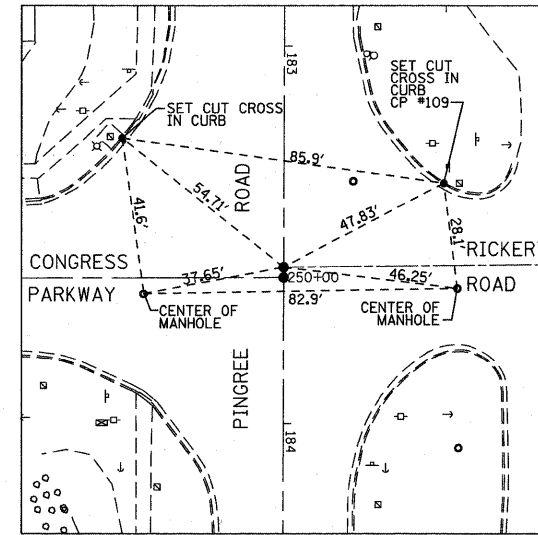
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	12
CONTRACT NO. 63519			[ILLINOIS] FED. AID PROJECT	



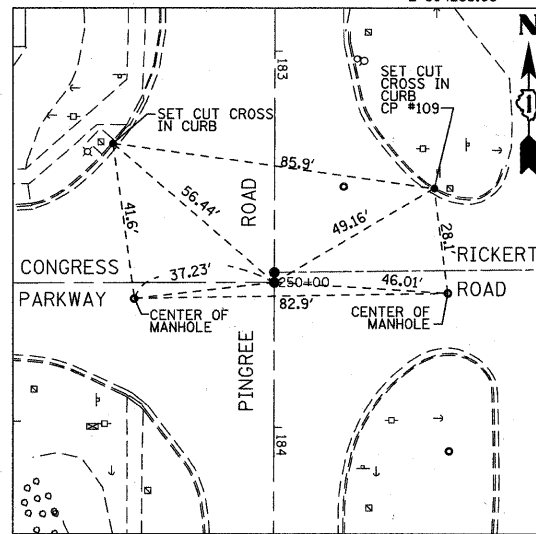
BEGIN PROJECT - SET MAG NAIL
STATION 172+29.42 PINGREE
N-2027770.24
E-994285.68



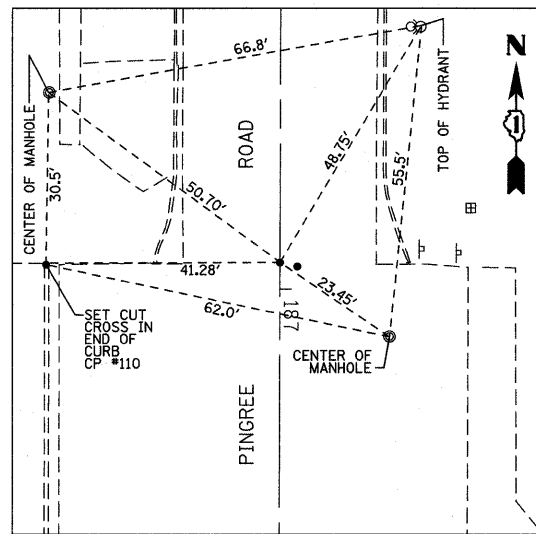
SECTION CORNER - ANGLE POINT - FOUND IRON BAR
MONUMENT RECORD 2009R0003481
STATION 173+70.48 PINGREE
N-2027629.18
E-994287.34



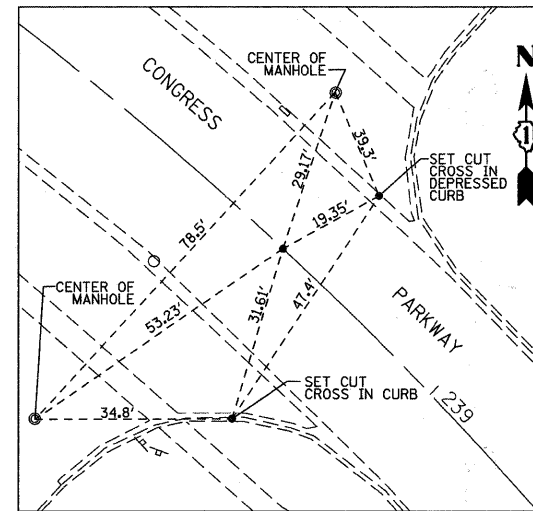
CL/CL - PINGREE/RICKERT - SET MAG NAIL
STATION 183+58.64 PINGREE
STATION 250+00.00 RICKERT
N-2026641.03
E-994284.99



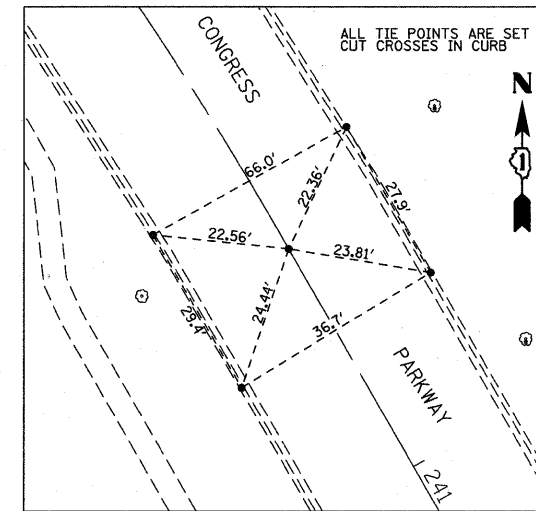
CL/CL - PINGREE/CONGRESS - SET MAG NAIL
STATION 183+61.35 PINGREE
STATION 250+00.00 CONGRESS
N-2026638.31
E-994284.98



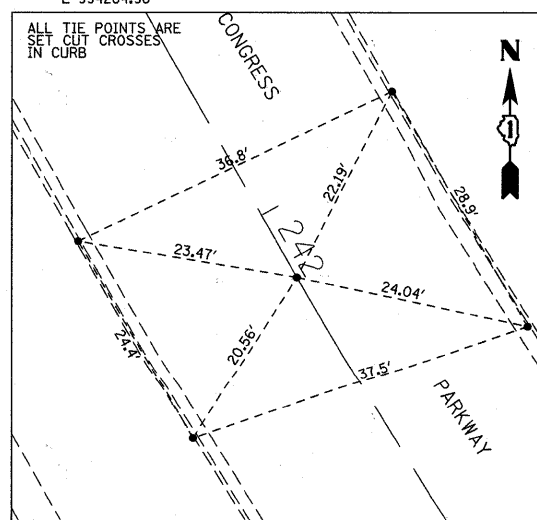
END PROJECT - SET MAG NAIL
STATION 186+95.25 PINGREE
N-2026304.42
E-994284.18



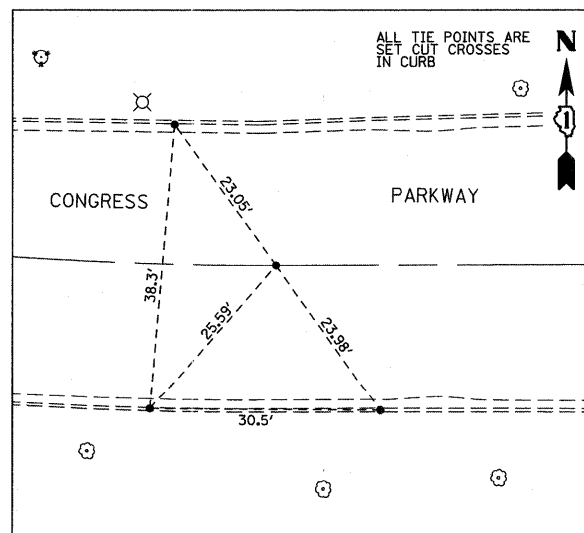
BEGIN PROJECT - POC - SET MAG NAIL
STATION 238+63.35 CONGRESS
N-2027172.44
E-993390.51



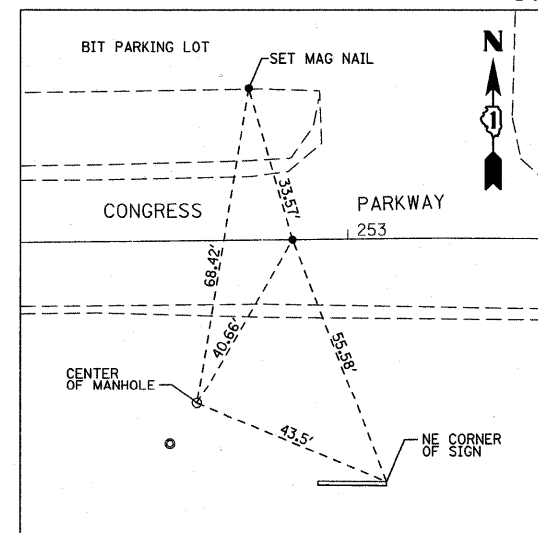
PT - CURVE 1 - SET MAG NAIL
STATION 240+58.23 CONGRESS
N-2027019.98
E-993510.71



PC - CURVE 2 - SET MAG NAIL
STATION 242+07.56 CONGRESS
N-2026890.21
E-993584.61



PT - CURVE 2 - SET MAG NAIL
STATION 247+35.35 CONGRESS
N-2026637.66
E-994020.33



END PROJECT - SET MAG NAIL
STATION 252+88.32 CONGRESS
N-2026643.99
E-994573.29

FILE NAME = #ETL#
PLOT SCALE = 5/8" = 1' IN.
USER NAME = #USER#



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DESIGNED - CJD/TVN
DRAWN - CJD
CHECKED - TVN
DATE - 08-29-2011

REVISED -
REVISED -
REVISED -
REVISED -

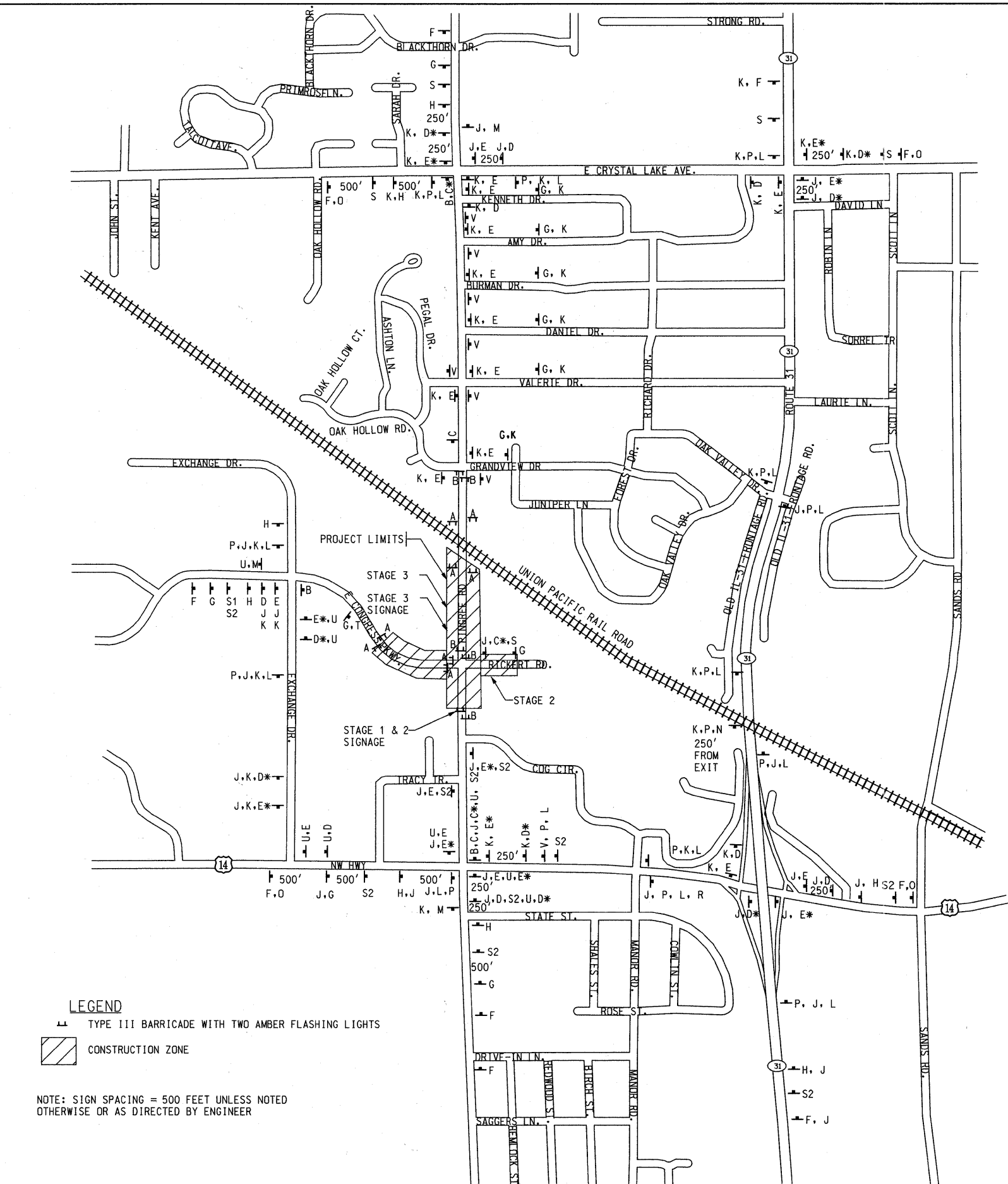
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

PINGREE ROAD WIDENING
ALIGNMENT, TIES, AND BENCHMARKS

SCALE: NTS SHEET NO. 13 OF 92 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	13
CONTRACT NO. 63519			[ILLINOIS] FED. AID PROJECT	

#FILE#



PROPOSED DETOUR PLAN LEGEND

A TO K	SIGN	DESCRIPTION (SEE BELOW)	L TO V	SIGN	DESCRIPTION (SEE BELOW)
A	ROAD CLOSED	R11-2 48" x 30"	L	↑	M6-3 21" x 15"
B	ROAD CLOSED TO THRU TRAFFIC	R11-4 60" x 30"	M	END DETOUR	M4-8a 24" x 18"
C, C*	DETOUR	M4-10(R&L) 48" x 18"	N	↗	M6-2 15" x 21"
D, D*	DETOUR	M4-9(R&L) 30" x 30"	O	PINGREE RD	M6-2 15" x 21"
E, E*	DETOUR	M4-9(R&L) 30" x 24"	P	DETOUR	M4-8 24" x 12"
F	ROAD CONSTRUCTION AHEAD	W20-1 48" x 48" WITH HIGH INTENSITY LIGHT & 18" x 18" ORANGE FLAG	Q	TAKE RAMP TO WEST BOUND US HWY	R11-3a 60" x 30"
G	ROAD CLOSED AHEAD	W20-3 48" x 48" WITH HIGH INTENSITY LIGHT & 18" x 18" ORANGE FLAG	R	TAKE RAMP TO NORTH BOUND IL ROUTE 31	R11-3a 60" x 30"
H	DETOUR AHEAD	W20-2 48" x 48" WITH HIGH INTENSITY LIGHT & 18" x 18" ORANGE FLAG	S	PINGREE ROAD CLOSED AT UPRR TRACKS	R11-4 60" x 30"
J	PINGREE RD. NORTH	D3 30" x 24"	S1	CONGRESS PKWY CLOSED AT METRA STA. ENTRANCE	R11-4 60" x 30"
K	PINGREE RD. SOUTH	D3 30" x 24"	S2	PINGREE ROAD CLOSED AT COG CIRCLE	R11-4 60" x 30"
			T	CONGRESS PKWY EAST	D3 30" x 24"
			U	CONGRESS PKWY WEST	D3 30" x 24"
			V	LOCAL TRAFFIC ONLY	24" x 24"

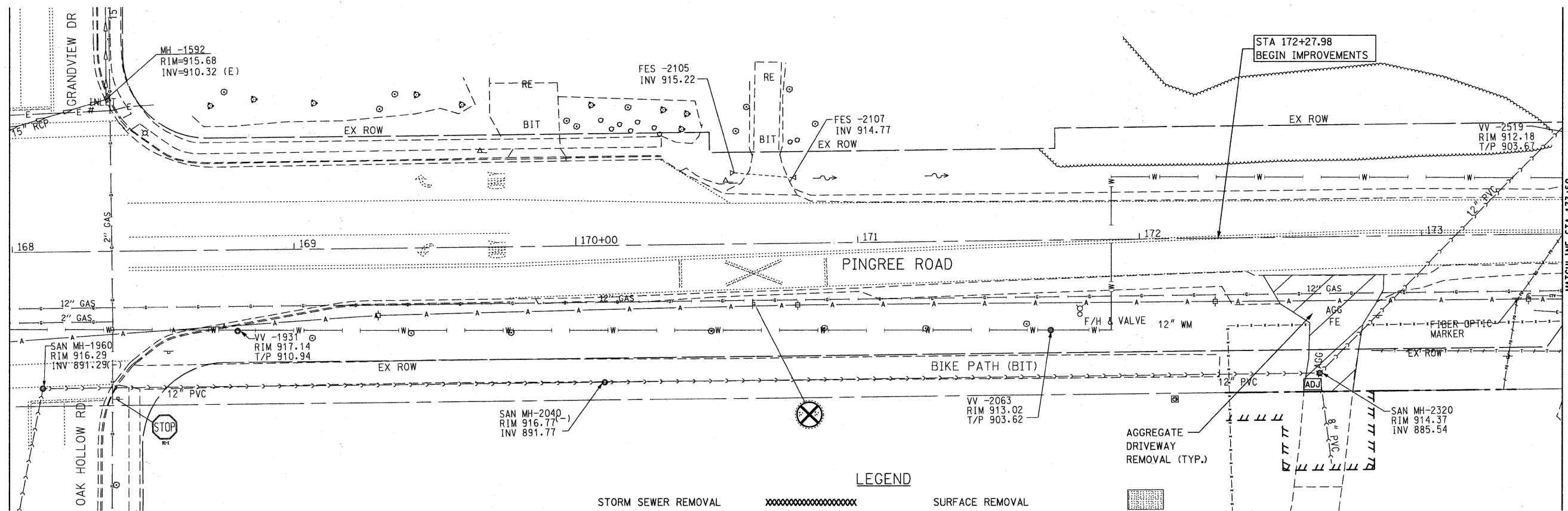
SIGNS C, D & E POINT TO THE RIGHT UNLESS NOTED WITH AN "*" = LEFT



LEGEND
 Type III Barricade with two Amber Flashing Lights
 Construction Zone
 NOTE: SIGN SPACING = 500 FEET UNLESS NOTED OTHERWISE OR AS DIRECTED BY ENGINEER

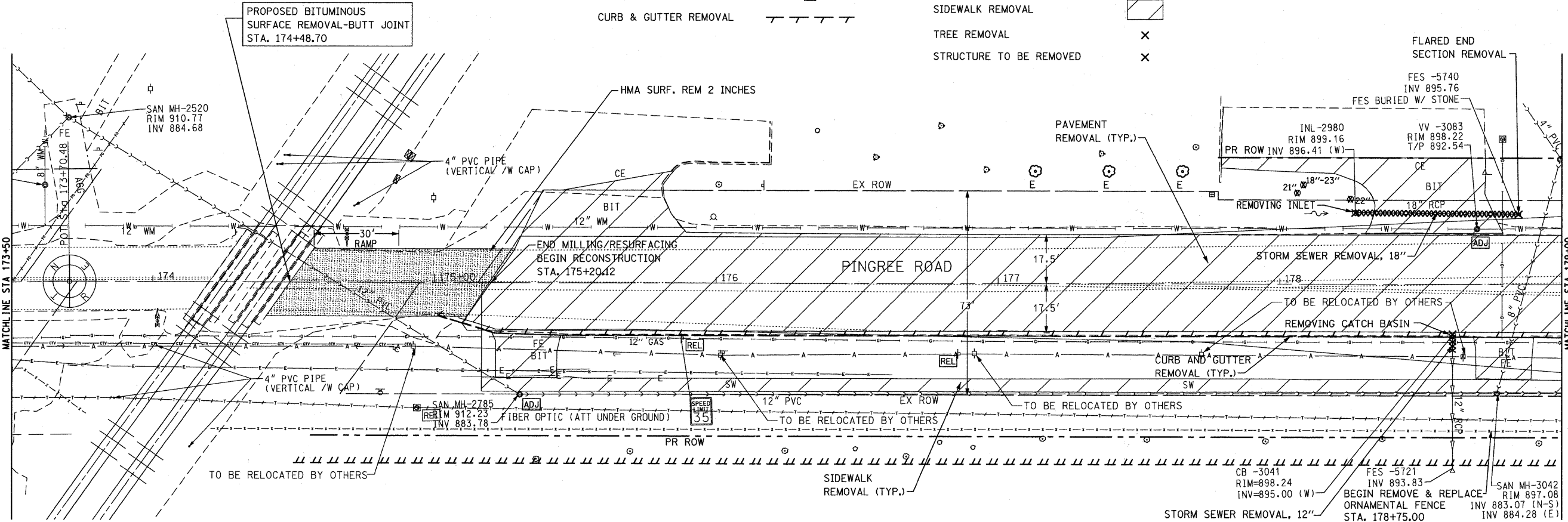
TRAFFIC CONTROL AND PROTECTION GENERAL NOTES

- TRAFFIC CONTROL AND PROTECTION SHALL BE IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS, CONTRACT SPECIAL PROVISIONS AND DETOUR PLANS, AND AS DIRECTED BY THE ENGINEER. TRAFFIC CONTROL SHOWN IN THE DETOUR PLAN REPRESENTS A GUIDE FOR THE SAFE MANAGEMENT OF TRAFFIC DURING THE PROSECUTION OF THE WORK. MODIFICATIONS MAY BE NECESSARY DUE TO LOCAL CONDITIONS AT THE TIME OF CONSTRUCTION. ANY PROPOSED CHANGES BY THE CONTRACTORS TO THESE TRAFFIC CONTROL DETOUR PLANS SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING IMPLEMENTED. ANY MODIFICATIONS OR ADDITIONS REQUIRED BY THE ENGINEER WILL BE INCLUDED IN THE COST OF THE TRAFFIC CONTROL AND PROTECTION FOR TEMPORARY DETOUR, UNLESS A SEPARATE PAY ITEM HAS BEEN ESTABLISHED FOR THE WORK.
- ANY EXISTING OR TEMPORARY PAVEMENT MARKINGS WHICH CONFLICT WITH MARKINGS REQUIRED FOR THE DETOUR SHALL BE REMOVED ACCORDING TO SECTION 783 OF THE STANDARD SPECIFICATIONS.
- ACCESS TO ADJACENT PROPERTIES AND SIDE STREETS SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS NOTED HEREIN OR APPROVED BY THE ENGINEER.
- CONTRACTOR SHALL MAKE PROVISIONS FOR DAYTIME LANE CLOSURES FOR MILLING AND RESURFACING. NO LANE SHALL REMAIN UNUSABLE OVERNIGHT.
- STAGING FOR THE DETOUR AND TRAFFIC CONTROL SHALL BE AS FOLLOWS:
 STAGE 1:
 CONSTRUCT DETOUR PLAN SIGNAGE AS SHOWN ON THE PLAN. BARRICADES SHALL BE POSITIONED ON THE SOUTH LEG OF THE INTERSECTION TO PREVENT NON-LOCAL TRAFFIC FROM ENTERING THE INTERSECTION. THE INTERSECTION AND LEG SOUTH SHALL BE CONSTRUCTED FIRST WHILE MAINTAINING LOCAL TRAFFIC TO RICKERT ROAD AND THE NORTH EAST CORNER OF THE INTERSECTION. INTERSECTION WORK INCLUDES TRAFFIC SIGNAL INSTALLATION.
 STAGE 2:
 WIDEN AND MILL CONGRESS PARKWAY, MILL RICKERT ROAD. SURFACE COURSE ON INTERSECTION, PINGREE ROAD SOUTH, RICKERT ROAD AND CONGRESS PARKWAY IN ONE OPERATION. PERMANENT STRIPING INSTALLED IN STAGE 1 AND 2 LIMITS. TEMPORARY TRAFFIC SIGNALS TO BE OPERATIONAL AND APPROVED AT END OF STAGE 2. THE INTENT IS TO OPEN THE INTERSECTION UP TO FULL TRAFFIC EXCEPT NORTHBOUND THROUGH TRAFFIC. LOCAL TRAFFIC ONLY UNTIL PROJECT IS FINISHED.
 STAGE 3:
 WITH TEMPORARY TRAFFIC SIGNALS ON AND BARRICADES MOVED TO NORTH LEG OF INTERSECTION, RECONSTRUCT PINGREE ROAD FROM THE INTERSECTION TO THE NORTH LIMITS WHILE MAINTAINING ACCESS TO LOCAL COMMERCIAL ENTRANCES.
 NOTE:
 THE ONLY DETOUR SIGNAGE THAT CHANGES IN THESE STAGES IS THE BARRICADES MOVING FROM PINGREE ROAD SOUTH OF THE INTERSECTION TO NORTH OF THE INTERSECTION ONCE THE TRAFFIC SIGNAL IS OPERATIONAL AND THE LANES ARE PERMANENTLY STRIPED

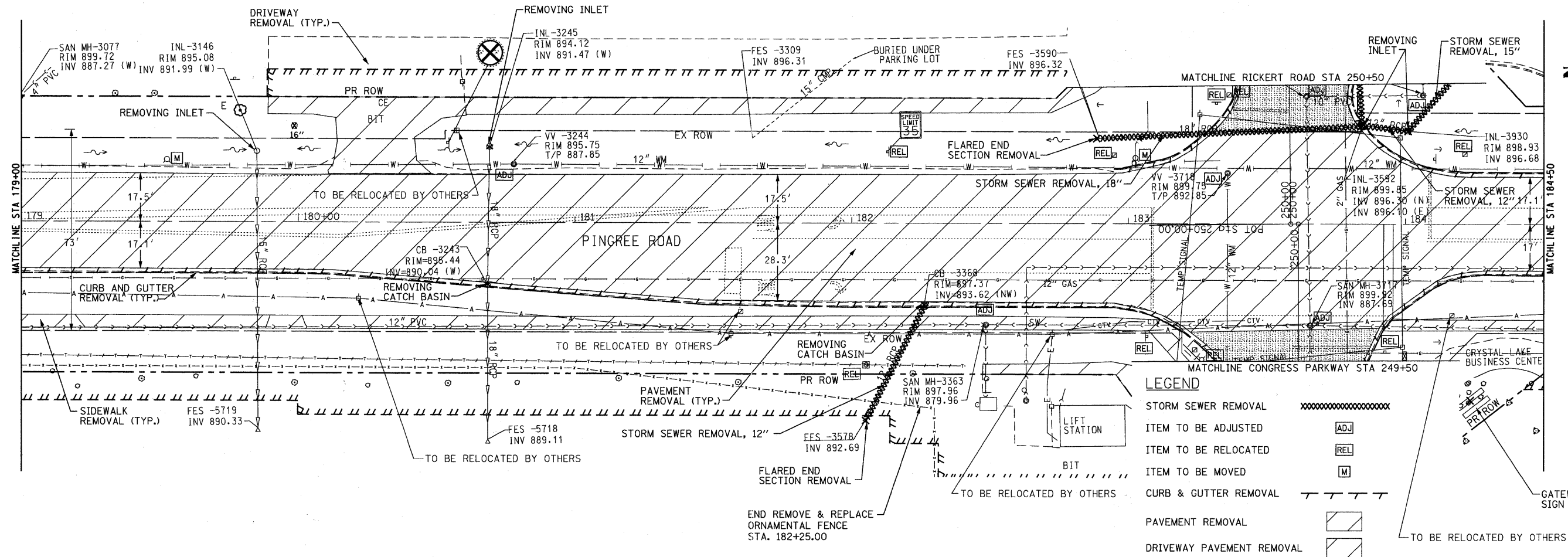


LEGEND

STORM SEWER REMOVAL	XXXXXXXXXXXXXXXXXXXXXXXXXXXX	SURFACE REMOVAL	[Hatched Box]
ITEM TO BE ADJUSTED	[ADJ]	PAVEMENT REMOVAL	[Diagonal Lines Box]
ITEM TO BE RELOCATED	[REL]	DRIVEWAY PAVEMENT REMOVAL	[Diagonal Lines Box]
ITEM TO BE MOVED	[M]	SIDEWALK REMOVAL	[Diagonal Lines Box]
CURB & GUTTER REMOVAL		TREE REMOVAL	X
		STRUCTURE TO BE REMOVED	X

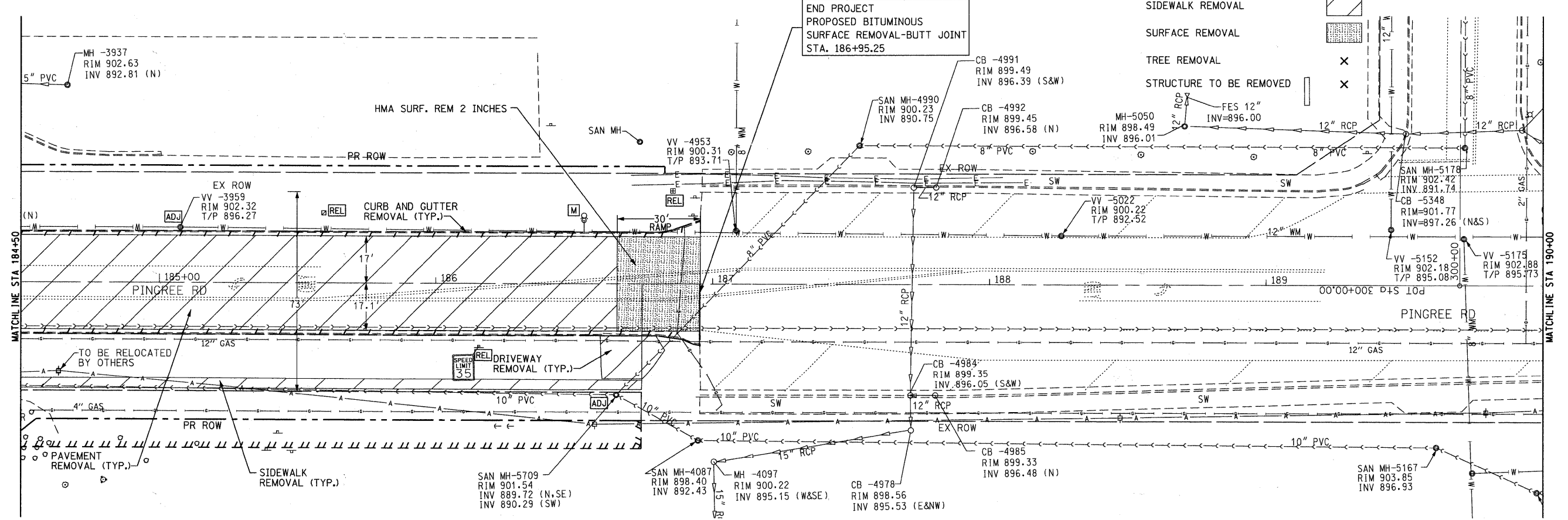


FILE NAME =	USER NAME = delj	DESIGNED - BD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION REMOVAL PLAN	SCALE: 1"=20'	SHEET NO. 15 OF 92 SHEETS	STA. 168+00 TO STA. 179+00	F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 15		
F:\396-064 Pingree Road\CADD\Sheets\1dgn	Format\DI63519-shr-rem.Ldgn	DRAWN - DC	REVISED -			ILLINOIS FED. AID PROJECT				CONTRACT NO. 63519					
PLOT SCALE = 28,000' / IN.		CHECKED - BD	REVISED -												
PLOT DATE = 8/26/2011		DATE - 08-29-2011	REVISED -												



LEGEND

- STORM SEWER REMOVAL
- ITEM TO BE ADJUSTED ADJ
- ITEM TO BE RELOCATED REL
- ITEM TO BE MOVED M
- CURB & GUTTER REMOVAL
- PAVEMENT REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- SIDEWALK REMOVAL
- SURFACE REMOVAL
- TREE REMOVAL X
- STRUCTURE TO BE REMOVED X



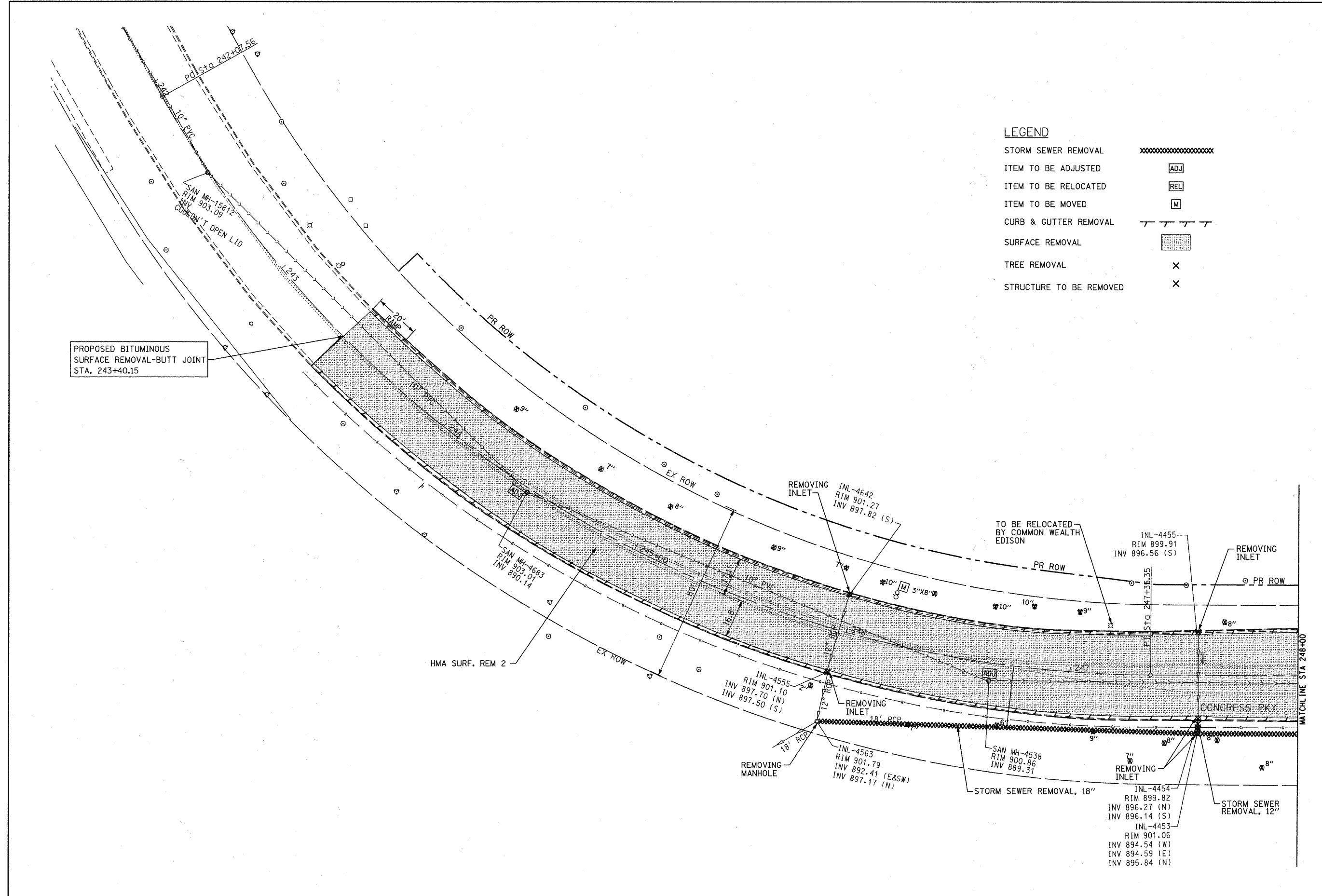
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PLOT SCALE = 20,000' / IN.	FORMAT = D:\63519-shr-rem_2.dgn	DRAWN - DC	REVISED -			SCALE: 1"=20'	SHEET NO. 16 OF 92 SHEETS	STA. 179+00 TO STA. 190+00	CONTRACT NO. 63519			
PLOT DATE = 8/26/2011		CHECKED - BD	REVISED -			ILLINOIS FED. AID PROJECT						
		DATE - 08-29-2011	REVISED -									



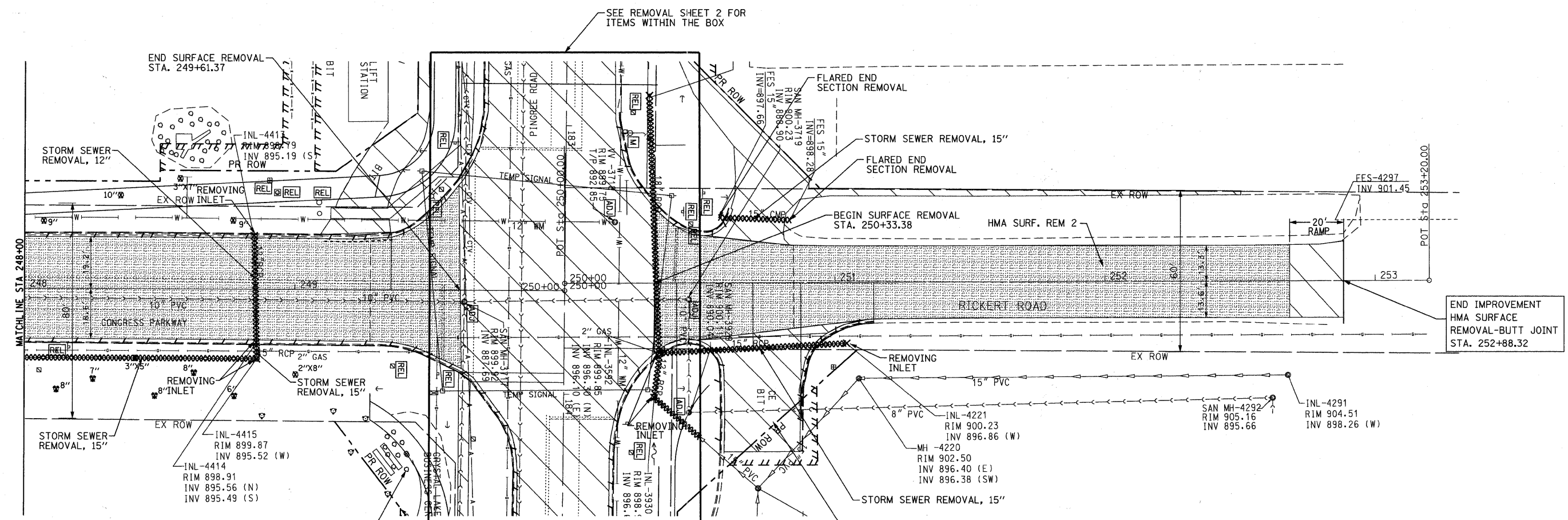
LEGEND

- STORM SEWER REMOVAL
- ITEM TO BE ADJUSTED ADJ
- ITEM TO BE RELOCATED REL
- ITEM TO BE MOVED M
- CURB & GUTTER REMOVAL
- SURFACE REMOVAL
- TREE REMOVAL x
- STRUCTURE TO BE REMOVED x

PROPOSED BITUMINOUS SURFACE REMOVAL-BUTT JOINT STA. 243+40.15



FILE NAME = F:\396-064 Pingree Road\CAAD_Sheets\1dca	USER NAME = cesario	DESIGNED - BD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION REMOVAL PLAN			F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 17
	Format\DI63519-shtrem.3.dgn	DRAWN - DC	REVISED -		SCALE: 1"=20' SHEET NO. 17 OF 92 SHEETS STA. 242+00 TO STA. 248+00			CONTRACT NO. 63519				
	PLOT SCALE = 20,000' / IN.	CHECKED - BD	REVISED -		ILLINOIS FED. AID PROJECT							
	PLOT DATE = 9/14/2011	DATE - 08-29-2011	REVISED -									

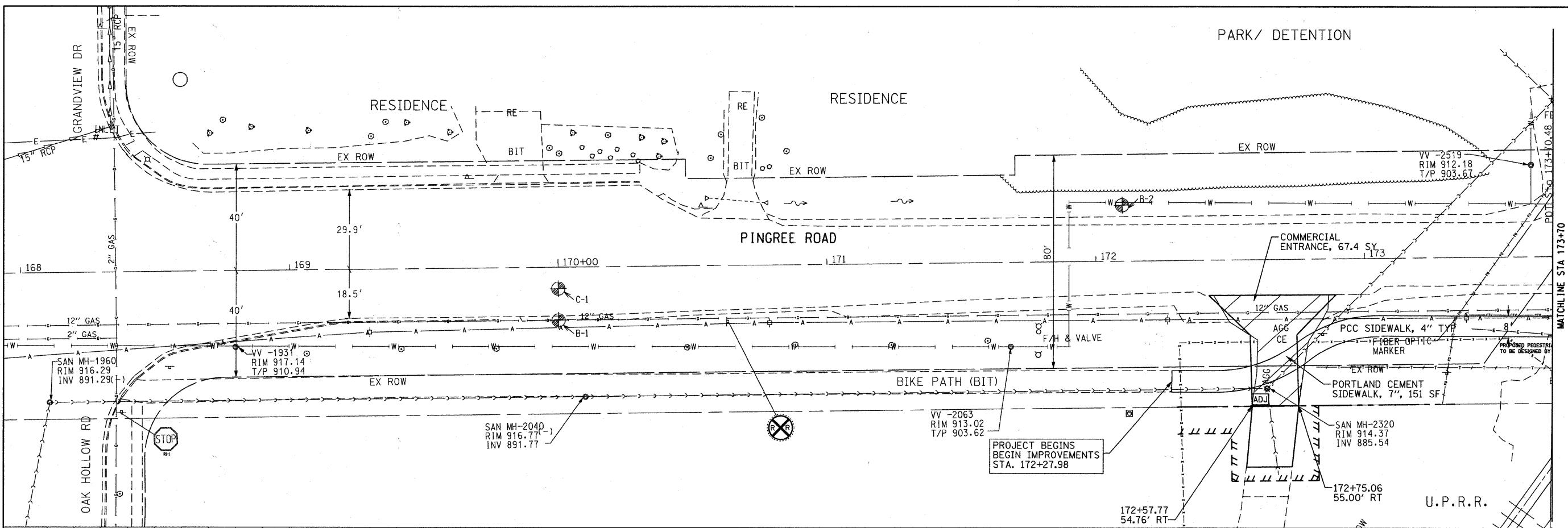


"CRYSTAL LAKE BUSINESS CENTER" MONUMENT SIGN TO BE RELOCATED BY OTHERS.

LEGEND

STORM SEWER REMOVAL	XXXXXXXXXXXXXXXXXXXX
ITEM TO BE ADJUSTED	[ADJ]
ITEM TO BE RELOCATED	[REL]
ITEM TO BE MOVED	[M]
CURB & GUTTER REMOVAL	-----
DRIVEWAY PAVEMENT REMOVAL	[Diagonal Hatching]
PAVEMENT REMOVAL	[Diagonal Hatching]
SIDEWALK REMOVAL	[Diagonal Hatching]
HMA SURFACE REMOVAL, 2"	[Stippled Hatching]
TREE REMOVAL	X
STRUCTURE TO BE REMOVED	X

FILE NAME = F:\396-064 Pingree Road\CADD\Sheets\1d	USER NAME = daly	DESIGNED - BD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION REMOVAL PLAN			F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 18
Format\DI63519-sht-rem_4.dgn		DRAWN - DC	REVISED -		SCALE: 1"=20'	SHEET NO. 18 OF 92 SHEETS	STA. 248+00 TO STA. 253+00	CONTRACT NO. 63519				
PLOT SCALE = 20,000' / IN.		CHECKED - BD	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT DATE = 8/26/2011		DATE - 08-29-2011	REVISED -									

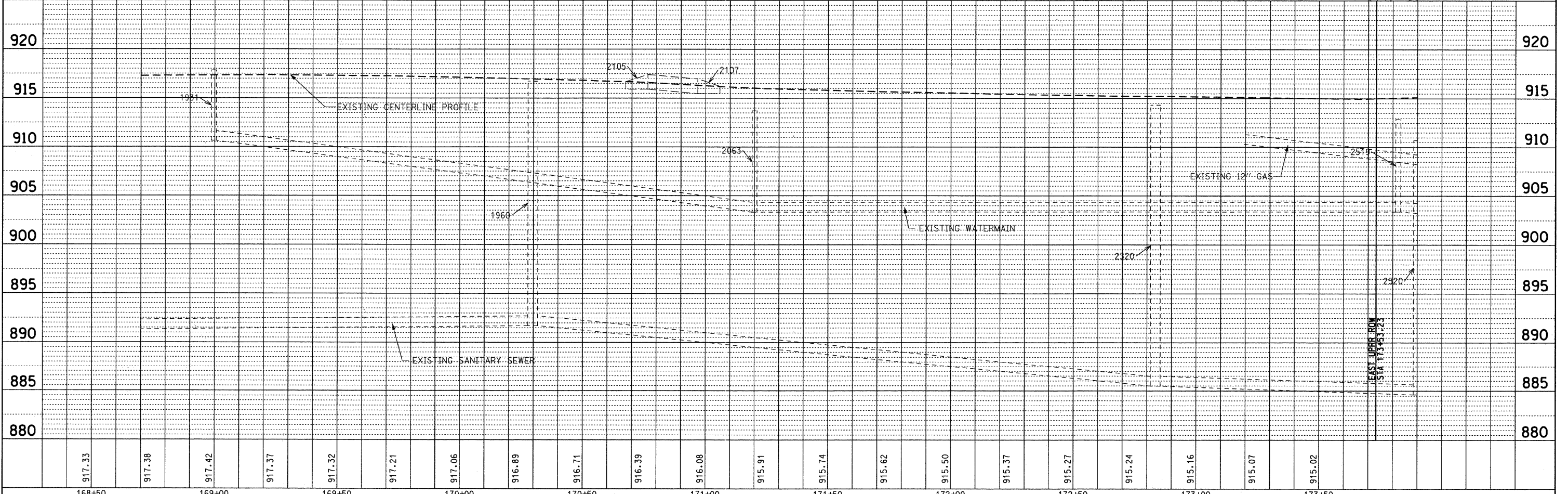


DATE	BY

SURVEYED	BY
ALIGNED	BY
CHECKED	BY
NOTE BOOK	NO.

DATE	BY

REVIEWED	BY
GRADES CHECKED	BY
NOTE BOOK	NO.



FILE NAME =	USER NAME = cesario	DESIGNED -	BD	REVISED -	
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		CHECKED -	BD	REVISED -	
		DATE -	08-29-2011	REVISED -	

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		PINGREE ROAD RECONSTRUCTION PLAN AND PROFILE / PINGREE ROAD		
HORIZ. 1"=20'		SCALE: VERT. 1"=5'		
SHEET NO. 19 OF 92 SHEETS		STA. 170+00 TO STA. 173+70		

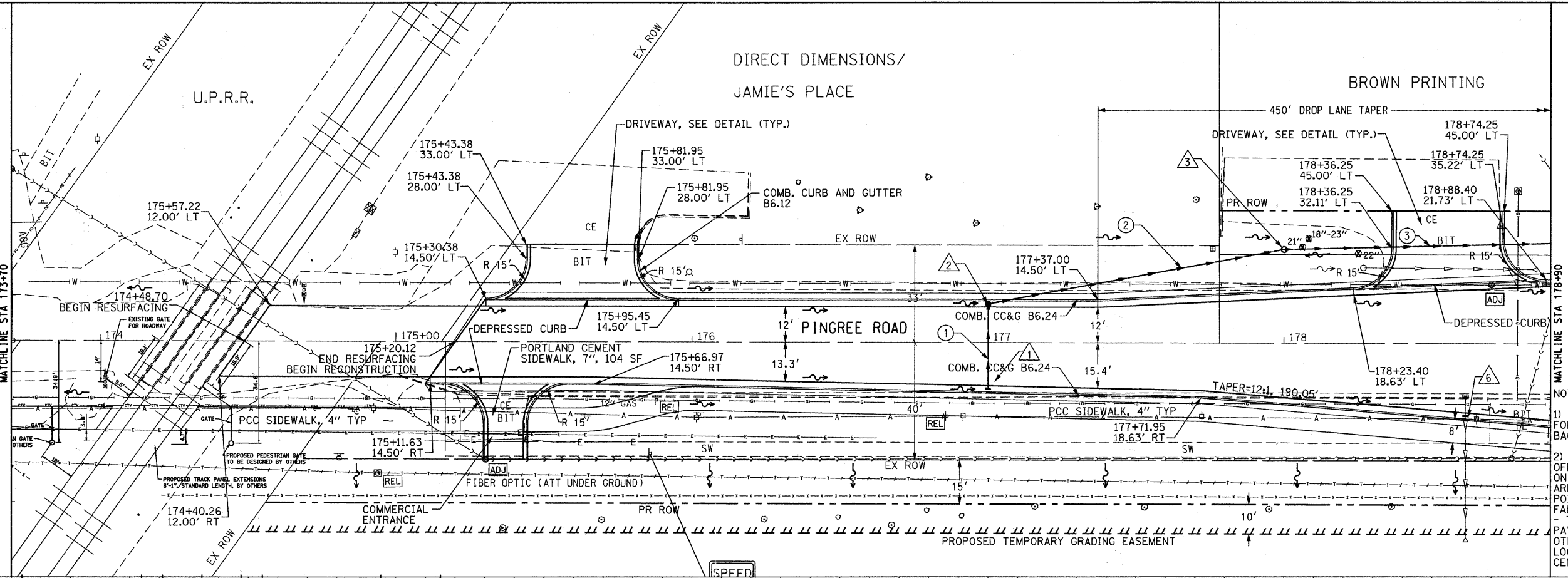
F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	19
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

- 1 INLET, TYPE A
F/L=908.37
177+00.00, 15.68'RT
INV:904.30, 12"E
- 2 CB, TYPE A
F/L=908.41
177+00.00, 13.00'LT
INV:904.00, 12"W
INV:904.00, 12"S
- 3 MH, TYPE A, 4'Ø
F/L=901.19
178+00, 32.75'LT
INV:896.50, 12"N
INV:896.50, 15"S
- 6 INLET, TYPE A
F/L=901.03
178+61.34, 23.54'RT
INV:894.84, 12"E

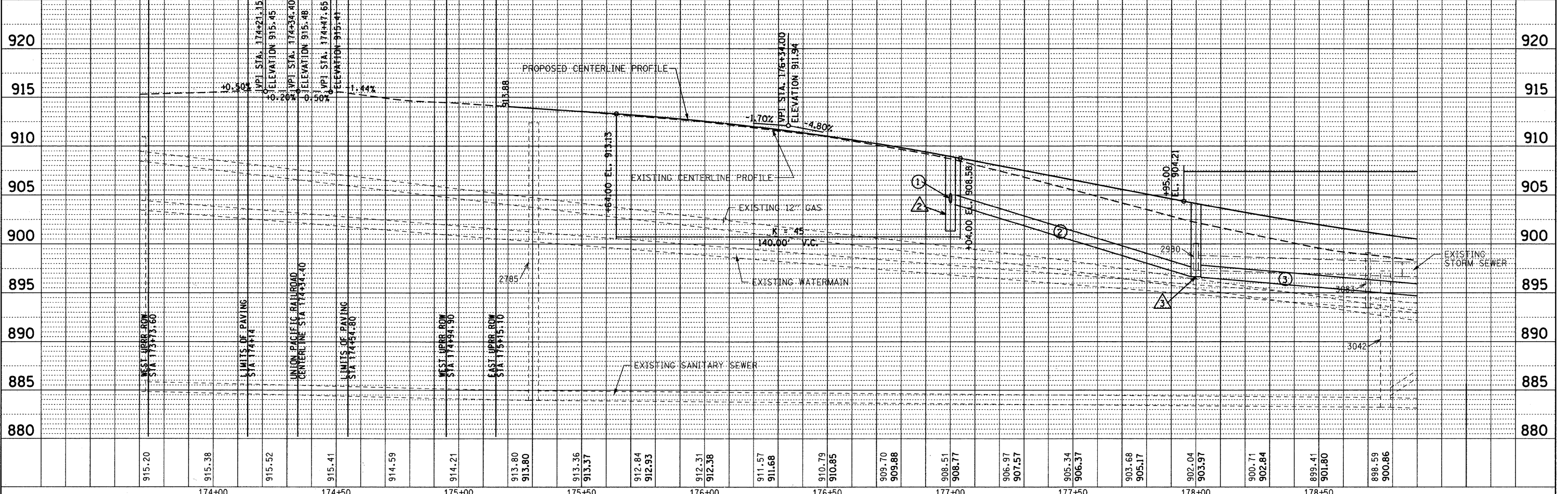
- 1 29LF STORM SEW
CL A 2 12 @ 1.00%
- 2 102LF STORM SEWER
(WATER MAIN
REQUIREMENTS) 12"
@ 7.35%
- 3 185LF STORM SEW
CL A 2 15 @ 2.16%

PLAN	DATE
BY	
REVISIONS	
NO.	

PROFILE	DATE
BY	
REVISIONS	
NO.	



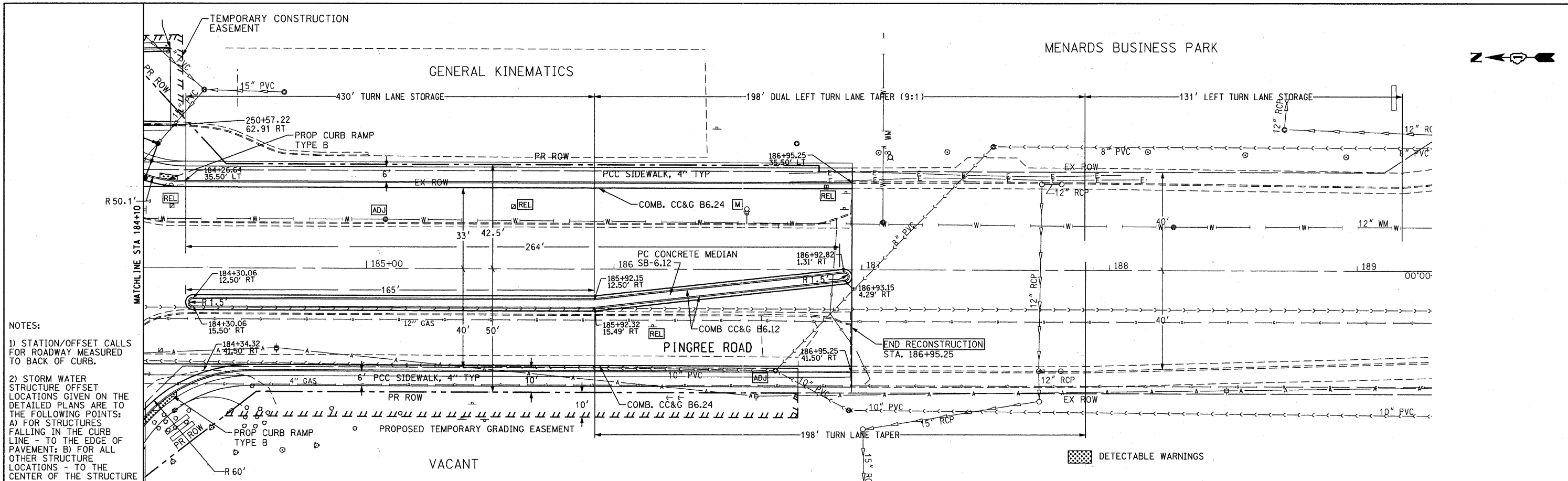
- NOTES:
- STATION/OFFSET CALLS FOR ROADWAY MEASURED TO BACK OF CURB.
 - STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS: A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE



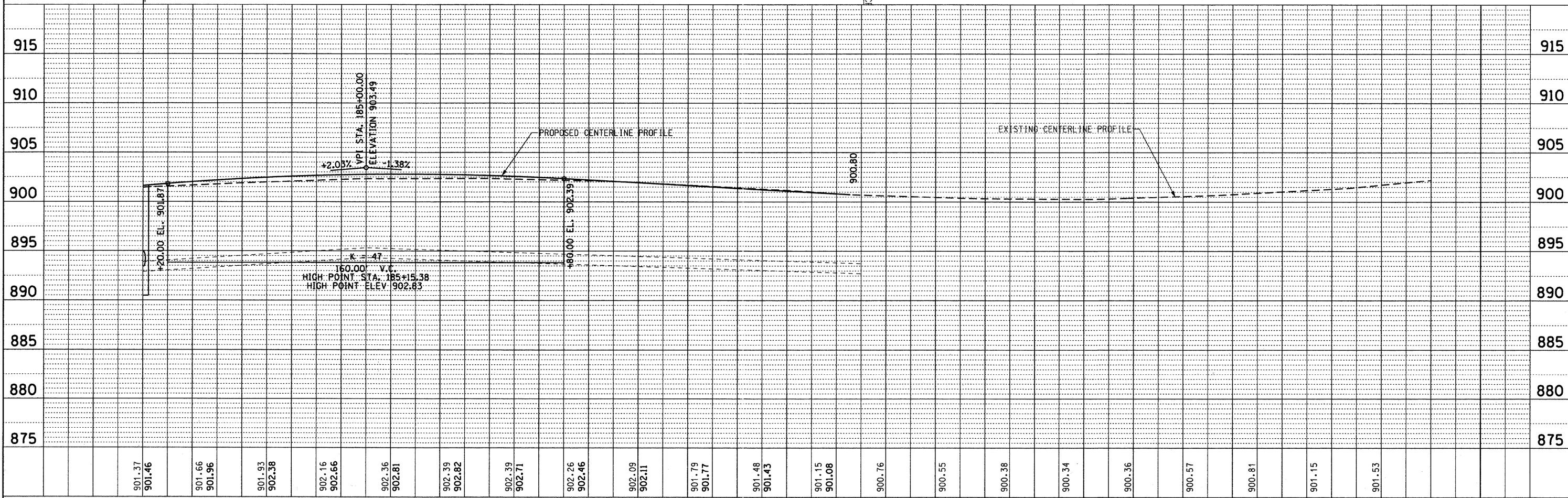
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F:\396-864 Pingree Road\CADD\Sheets\ldot	Format\163519-eh-pirpf_2.dgn	DRAWN - DC	REVISED -			126	95-00090-01-FP	McHENRY	92	20	
PLOT SCALE = 20,000' / IN.		CHECKED - BD	REVISED -			CONTRACT NO. 63519					
PLOT DATE = 9/14/2011		DATE - 08-29-2011	REVISED -			ILLINOIS FED. AID PROJECT					

PLAN	REVISIONS	DATE
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	

PROFILE	REVISIONS	DATE
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	
NO.	NO.	



NOTES:
 1) STATION/OFFSET CALLS FOR ROADWAY MEASURED TO BACK OF CURB.
 2) STORM WATER STRUCTURE OFFSET LOCATIONS GIVEN ON THE DETAILED PLANS ARE TO THE FOLLOWING POINTS:
 A) FOR STRUCTURES FALLING IN THE CURB LINE - TO THE EDGE OF PAVEMENT; B) FOR ALL OTHER STRUCTURE LOCATIONS - TO THE CENTER OF THE STRUCTURE



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PLOT SCALE = 28.000' / IN.		CHECKED - BD	REVISED -
PLOT DATE = 8/26/2011		DATE - 08-29-2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

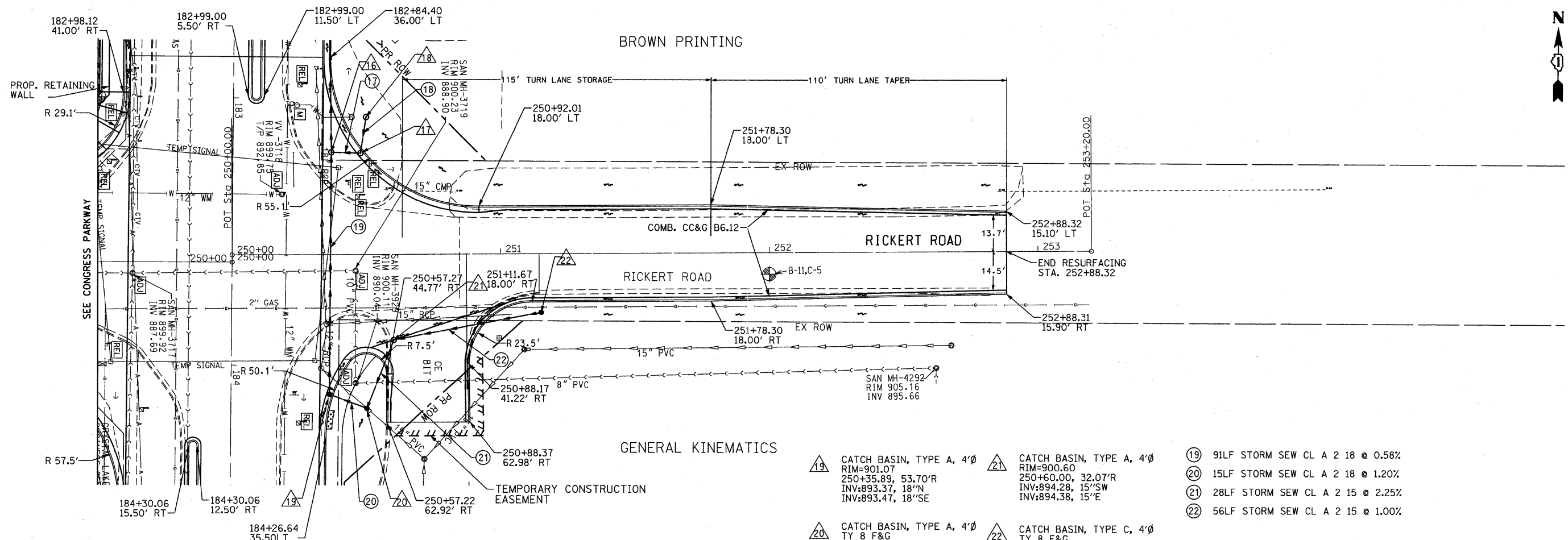
**PINGREE ROAD RECONSTRUCTION
PLAN AND PROFILE / PINGREE ROAD**

HORIZ. 1"=20'
SCALE: VERT. 1"=5' SHEET NO. 22 OF 92 SHEETS STA. 184+10 TO STA. 189+30

F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 22
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

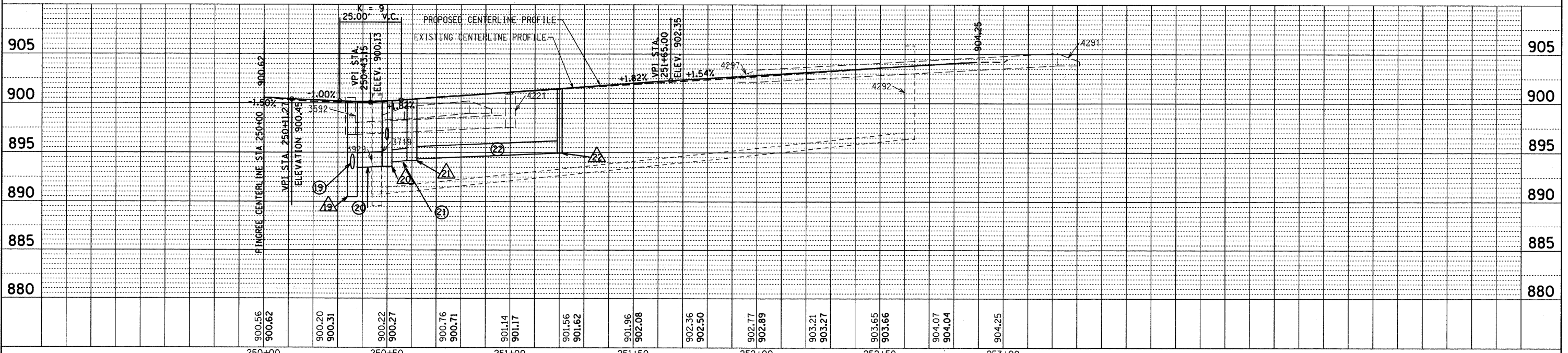
DATE	
BY	
REVISIONS	
PLANNED	
ALIGNED	
CHECKED	
NO. FILE NAME	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
REVISIONS	
GRADES CHECKED	
STRUCTURE NOTATIONS CHVD	
PROFILE	
NOTE BOOK	
NO.	



GENERAL KINEMATICS

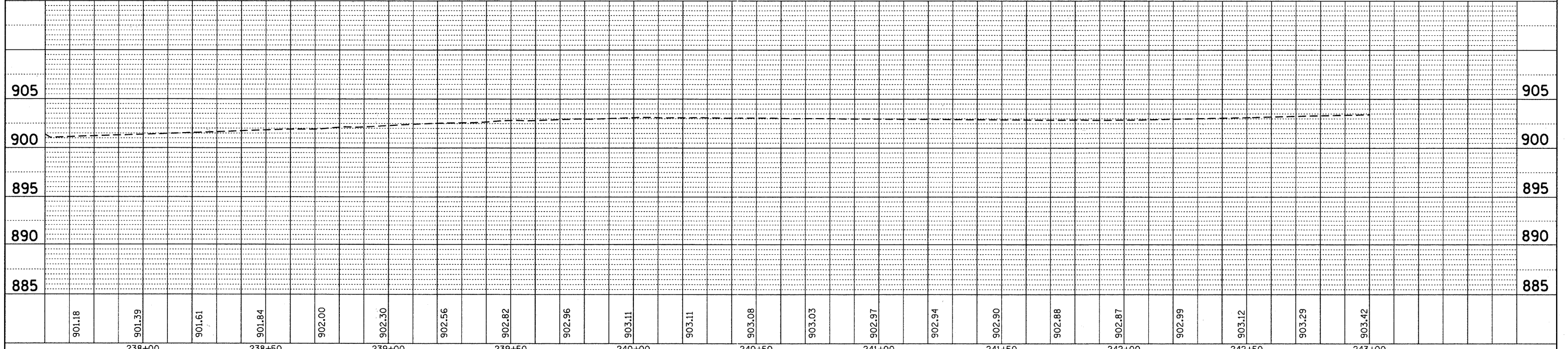
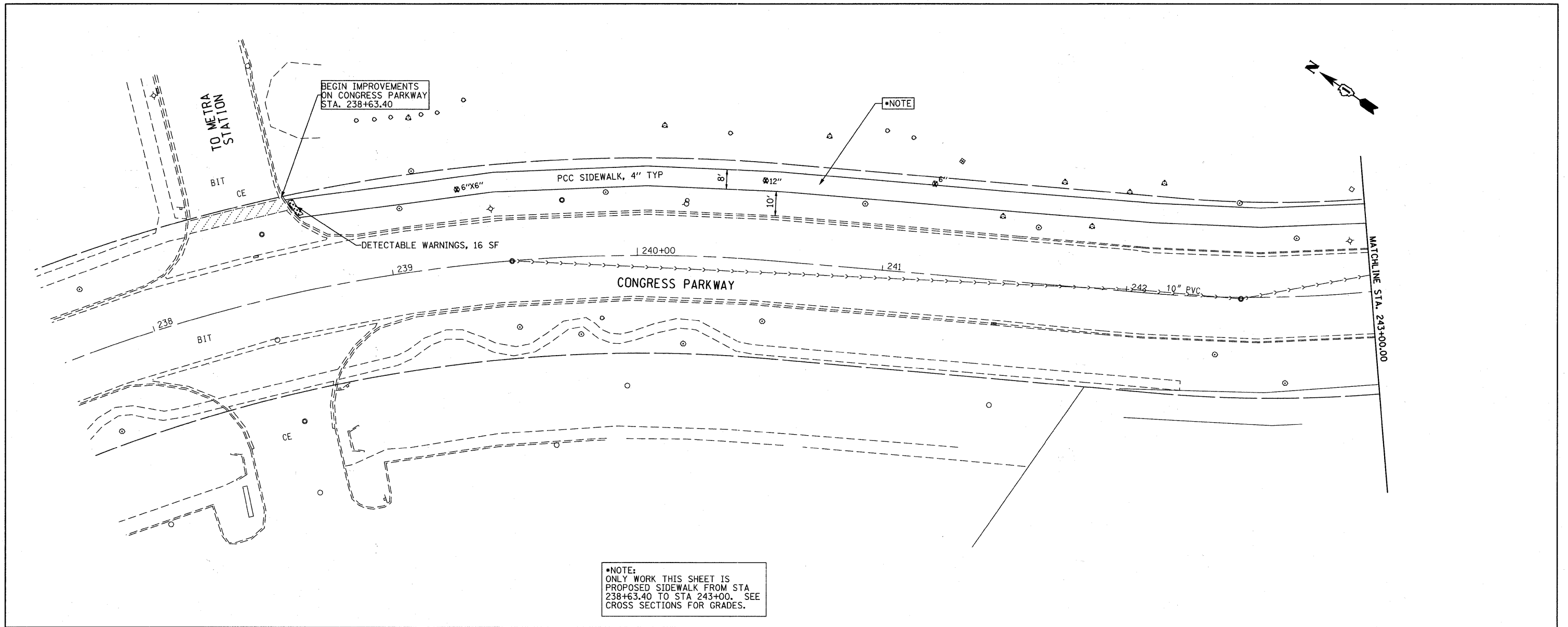
- 19 CATCH BASIN, TYPE A, 4'Ø
RIM=901.07
250+35.89, 53.70'R
INV:893.37, 18"N
INV:893.47, 18"SE
- 20 CATCH BASIN, TYPE A, 4'Ø
TY 8 F&G
RIM=900.92
250+49.90, 57.71'R
INV:896.32, 15"SE
INV:894.00, 15"NE
INV:893.65, 18"NW
- 21 CATCH BASIN, TYPE A, 4'Ø
RIM=900.60
250+60.00, 32.07'R
INV:894.28, 15"SW
INV:894.38, 15"E
- 22 CATCH BASIN, TYPE C, 4'Ø
TY 8 F&G
F/L:900.78
251+15.08, 21.93'R
INV:895.00, 15"W
- 19 91LF STORM SEW CL A 2 18 @ 0.58%
- 20 15LF STORM SEW CL A 2 18 @ 1.20%
- 21 28LF STORM SEW CL A 2 15 @ 2.25%
- 22 56LF STORM SEW CL A 2 15 @ 1.00%
- DETECTABLE WARNINGS



FILE NAME = F:\396-864 Pingree Road\CADD_Sheets\1dot	USER NAME = daly	DESIGNED - BD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION PLAN AND PROFILE - RICKERT ROAD	F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 23	
FORMET\DI63619\shp\plnprf.5.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - DC	REVISED -			HORIZ. 1"=20'		SHEET NO. 23 OF 92 SHEETS		CONTRACT NO. 63519	
PLOT DATE = 8/26/2011	DATE = 08-29-2011	CHECKED - BD	REVISED -			SCALE: VERT. 1"=5'		STA. 250+00 TO STA. 253+20		ILLINOIS FED. AID PROJECT	
		DATE = 08-29-2011	REVISED -								

PLAN	REVISIONS	DATE
NO.	PLOTTED	
	ALIGNMENT CHECKED	
	FILE NAME	
	NO.	

PROFILE	REVISIONS	DATE
NO.	GRADES CHECKED	
	STRUCTURE NOTATIONS CHKD	
	NO.	



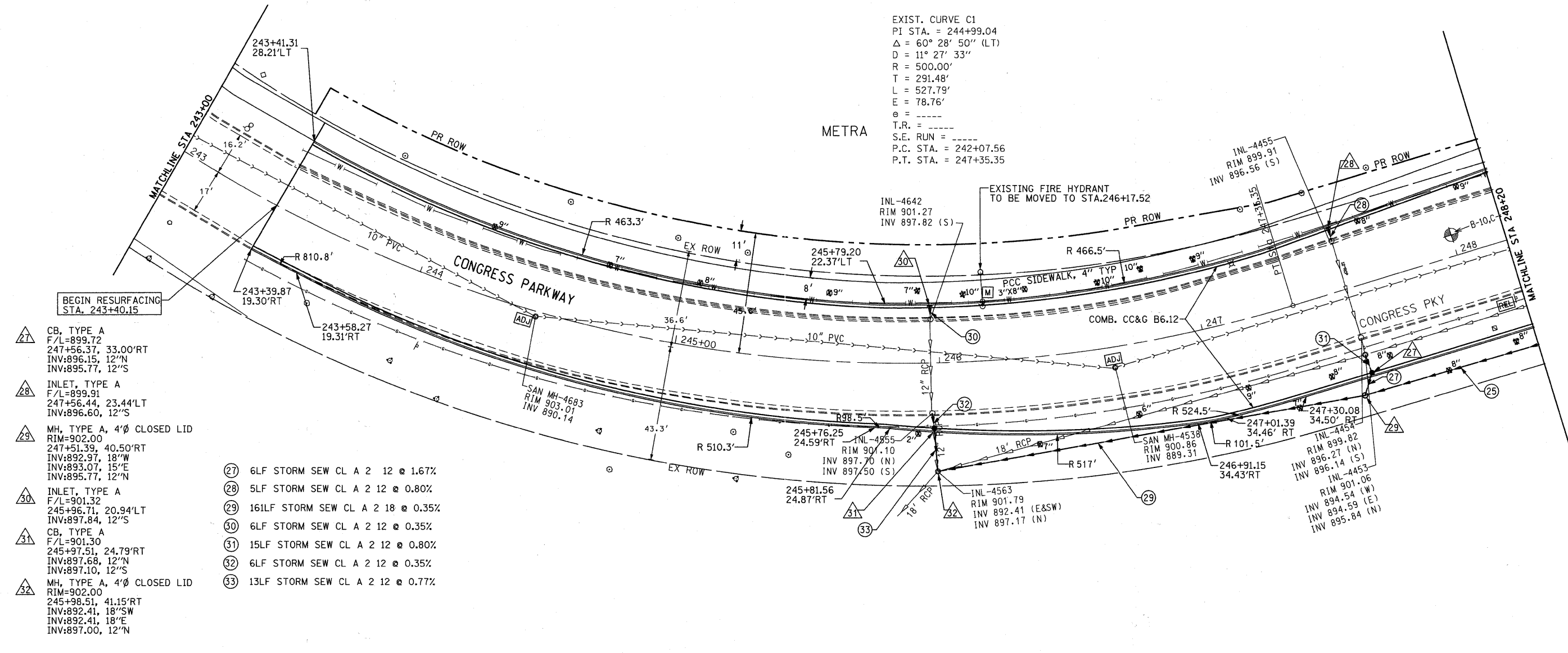
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	PLOT DATE = 8/26/2011	DATE - 08-29-2011	REVISED -			HORIZ. 1"=20'					

DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	

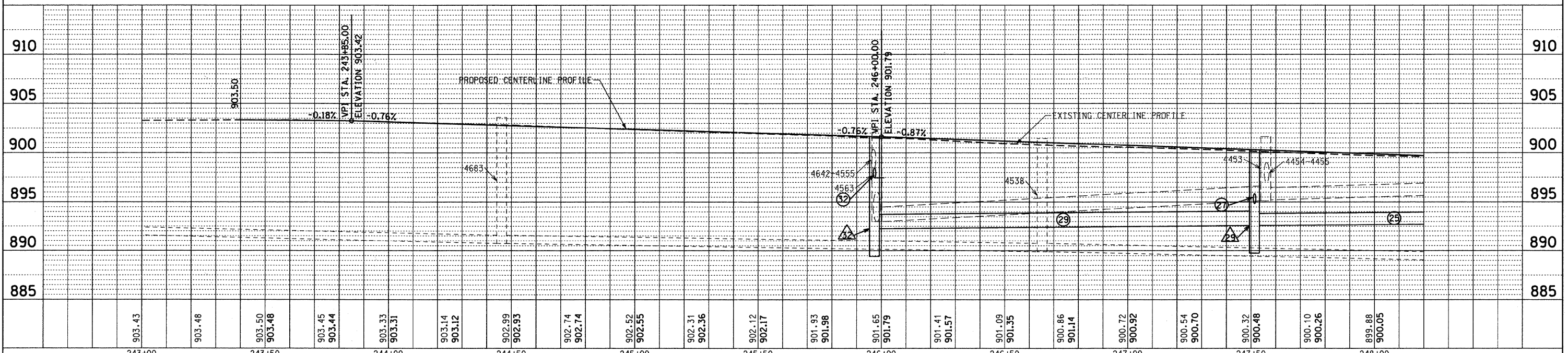
DATE	
BY	
REVISIONS	
NO.	
DESCRIPTION	
DATE	
BY	

EXIST. CURVE C1
 PI STA. = 244+99.04
 $\Delta = 60^\circ 28' 50''$ (LT)
 $D = 11^\circ 27' 33''$
 $R = 500.00'$
 $T = 291.48'$
 $L = 527.79'$
 $E = 78.76'$
 $e = \text{---}$
 $T.R. = \text{---}$
 $S.E. RUN = \text{---}$
 $P.C. STA. = 242+07.56$
 $P.T. STA. = 247+35.35$

METRA



- △27 CB, TYPE A
F/L=899.72
247+56.37, 33.00'RT
INV:896.15, 12"N
INV:895.77, 12"S
- △28 INLET, TYPE A
F/L=899.91
247+56.44, 23.44'LT
INV:896.60, 12"S
- △29 MH, TYPE A, 4'Ø CLOSED LID
RIM=902.00
247+51.39, 40.50'RT
INV:892.97, 18"W
INV:893.07, 15"E
INV:895.77, 12"N
- △30 INLET, TYPE A
F/L=901.32
245+96.71, 20.94'LT
INV:897.84, 12"S
- △31 CB, TYPE A
F/L=901.30
245+97.51, 24.79'RT
INV:897.68, 12"N
INV:897.10, 12"S
- △32 MH, TYPE A, 4'Ø CLOSED LID
RIM=902.00
245+98.51, 41.15'RT
INV:892.41, 18"SW
INV:892.41, 18"E
INV:897.00, 12"N
- 27 6LF STORM SEW CL A 2 12 @ 1.67%
- 28 5LF STORM SEW CL A 2 12 @ 0.80%
- 29 16ILF STORM SEW CL A 2 18 @ 0.35%
- 30 6LF STORM SEW CL A 2 12 @ 0.35%
- 31 15LF STORM SEW CL A 2 12 @ 0.80%
- 32 6LF STORM SEW CL A 2 12 @ 0.35%
- 33 13LF STORM SEW CL A 2 12 @ 0.77%



FILE NAME = F:\396-064 Pingree Road\CADD\Sheets\1dot	USER NAME = dely	DESIGNED - BD	REVISED -
FORMAT=D163519-sht-plnprf_7.dgn		DRAWN - DC	REVISED -
PLOT SCALE = 20.000' / IN.		CHECKED - BD	REVISED -
PLOT DATE = 8/26/2011		DATE - 08-29-2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

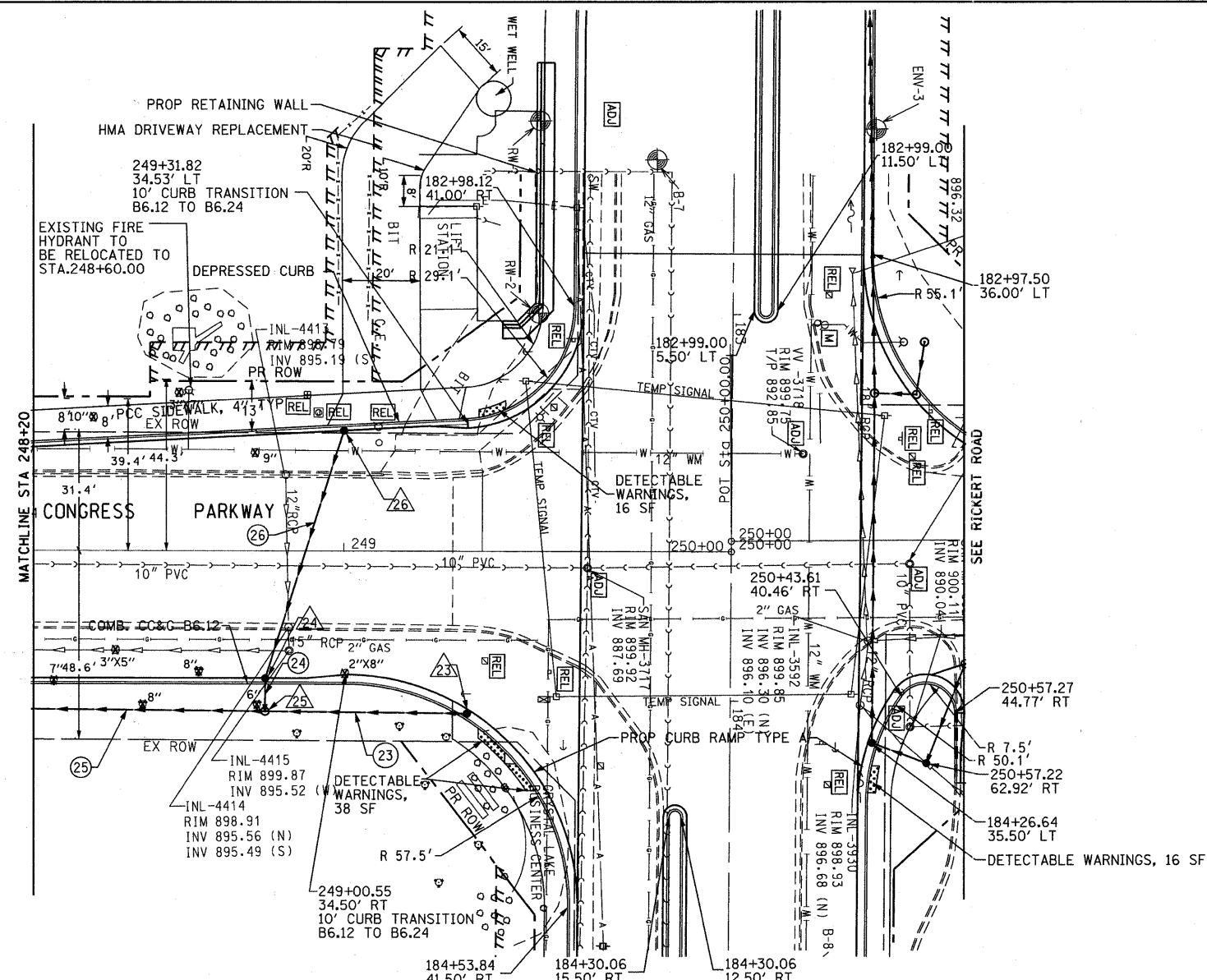
**PINGREE ROAD RECONSTRUCTION
PLAN AND PROFILE - CONGRESS PARKWAY**

HORIZ. 1"=20'
 SCALE: VERT. 1"=5' SHEET NO. 25 OF 92 SHEETS STA. 243+00 TO STA. 248+20

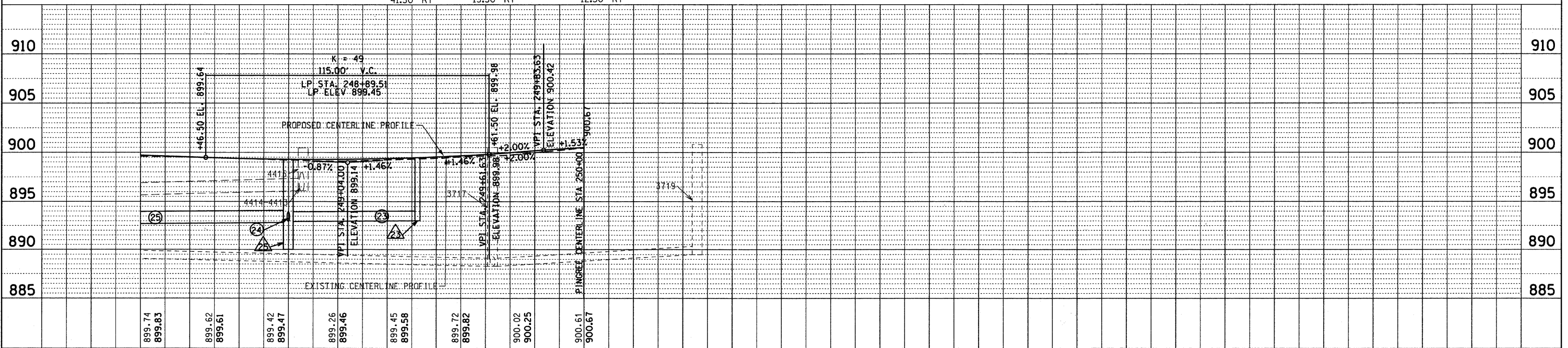
F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 25
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

DATE	
BY	
REVISIONS	
1	ALIGNED, CHECKED
2	NOTE BOOK
3	NO. OF SHEETS
4	CADD FILE NAME
5	NO.
PLAN	

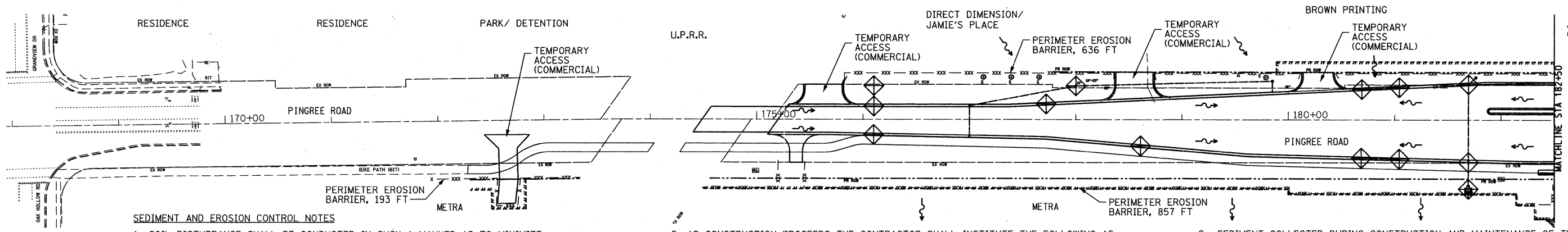
DATE	
BY	
REVISIONS	
1	GRADES CHECKED
2	NOTATIONS CHKD
3	STRUCTURE
4	NO.
PROFILE	



- 23 CB, TYPE A, 4'Ø
F/L=898.78
249+31.8, 42.0'RT
INV:893.81, 12'W
- 24 CB, TYPE A, 4'Ø
F/L=898.73
248+80, 33.00'RT
INV:893.73, 12'N
INV:893.63, 12'S
- 25 MH, TYPE A, 4'Ø CLOSED LID
RIM=899.50
248+80.00, 41.50'RT
INV:893.48, 15'W
INV:893.58, 12'N
INV:893.58, 12'E
- 26 INLET, TYPE A
F/L=900.52
249+00, 31.00'LT
INV:895.43, 12'S
- 23 52LF STORM SEW CL A 2 12 @ 0.44%
- 24 9LF STORM SEW CL A 2 12 @ 0.50%
- 25 128LF STORM SEW CL A 2 15 @ 0.32%
- 26 67LF STORM SEWER (WM REQ) 12 INCH @ 2.54%
- DETECTABLE WARNINGS



FILE NAME = F:\396-064 Pingree Road\CADD_Sheets\1dot	USER NAME = dalj	DESIGNED - BD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION PLAN AND PROFILE - CONGRESS PARKWAY		F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 26	
FORMAT=D163519-ht-pln-pr-f-8.dgn	PLOT SCALE = 20,000' / IN.	DRAWN - DC	REVISED -		HORIZ. 1"=20'	SCALE: VERT. 1"=5'	SHEET NO. 26 OF 92 SHEETS	STA. 248+20 TO STA. 250+00	CONTRACT NO. 63519			
PLOT DATE = 8/26/2011	DATE = 08-29-2011	CHECKED - BD	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE = 08-29-2011	REVISED -									

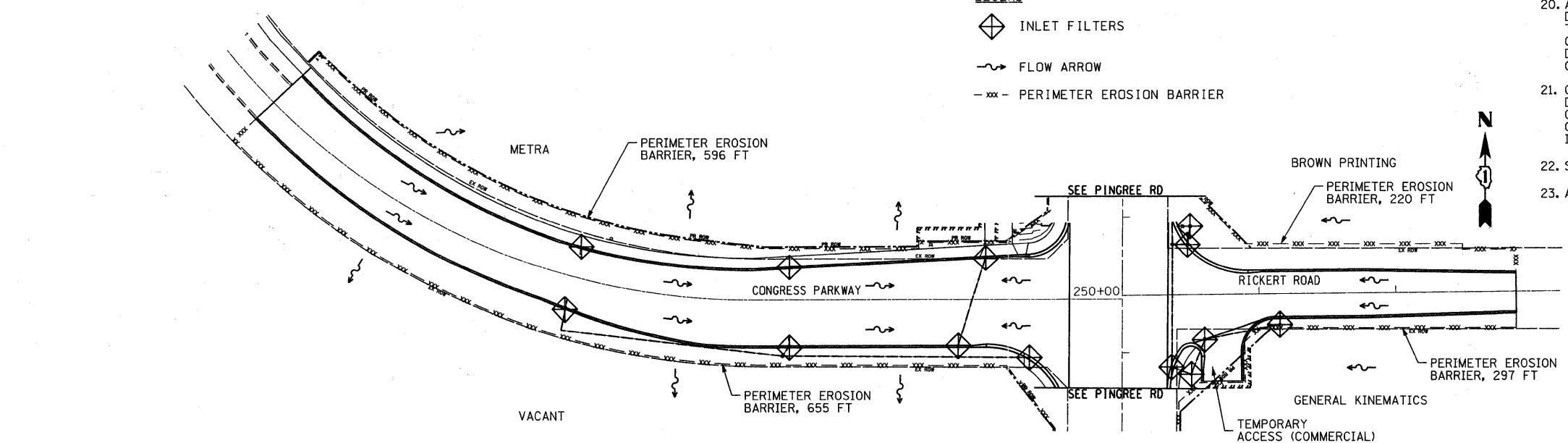
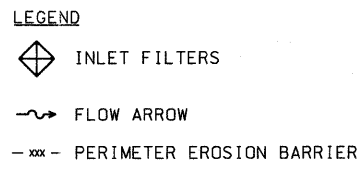
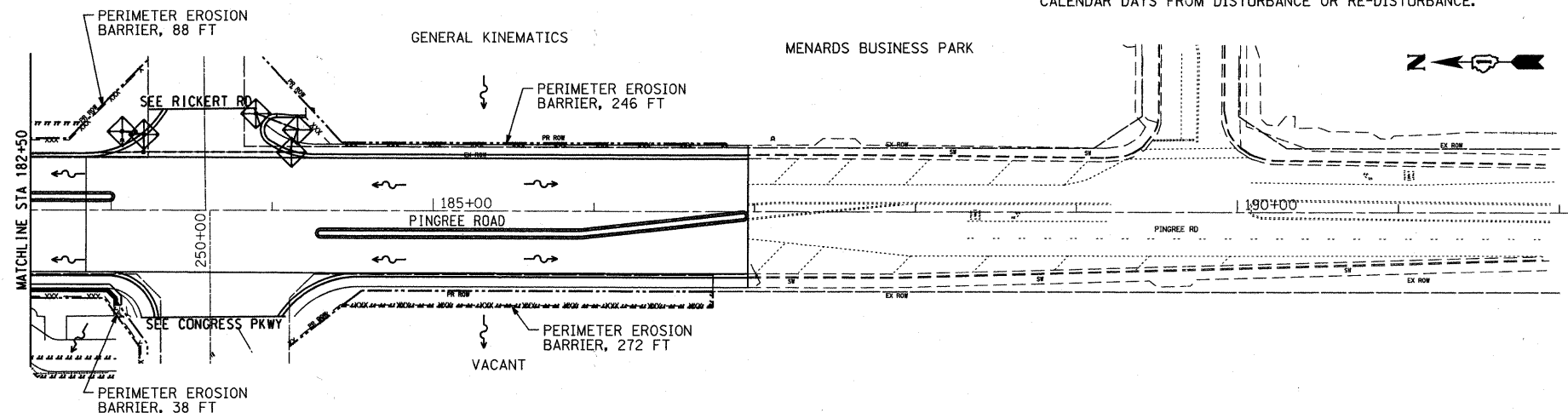


SEDIMENT AND EROSION CONTROL NOTES

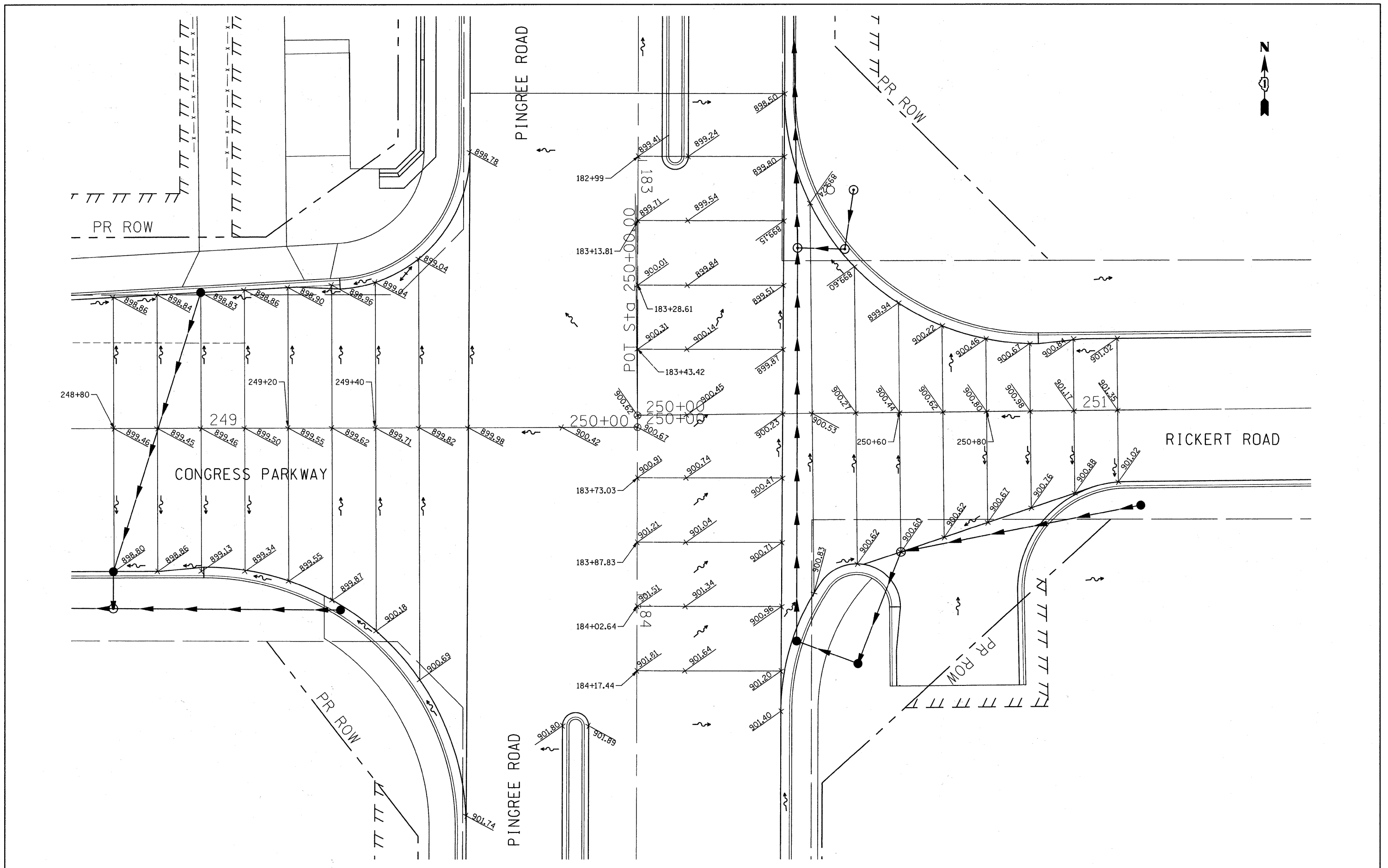
1. SOIL DISTURBANCE SHALL BE CONDUCTED IN SUCH A MANNER AS TO MINIMIZE EROSION. SOIL STABILIZATION MEASURES SHOWN SHALL CONSIDER THE TIME OF YEAR, SITE CONDITIONS, AND THE USE OF TEMPORARY OR PERMANENT MEASURES. SOIL EROSION AND SEDIMENT CONTROL FEATURES SHALL BE CONSTRUCTED PRIOR TO THE COMMENCEMENT OF SOIL DISTURBANCE.
2. THE CONSTRUCTION LIMITS WILL BE STAKED BY THE ENGINEER PRIOR TO COMMENCING CONSTRUCTION. THE CONSTRUCTION LIMITS MAY BE ADJUSTED BY THE ENGINEER TO PRESERVE TREES AND NO ADDITIONAL COMPENSATION WILL BE PAID TO THE CONTRACTOR FOR CHANGED CONSTRUCTION LIMITS.
3. EARTH STOCKPILES SHALL BE TEMPORARILY SEEDED IF THEY ARE TO REMAIN UNUSED FOR MORE THAN FOURTEEN DAYS. PERIMETER EROSION BARRIER SHALL SURROUND THE STOCKPILE.
4. PERIMETER EROSION BARRIER SHALL BE ERECTED ADJACENT TO THE CONSTRUCTION LIMITS. THE RESIDENT ENGINEER SHALL HAVE FINAL DETERMINATION OF THE PLACEMENT AND LOCATION OF THE PERIMETER EROSION BARRIER.

5. AS CONSTRUCTION PROCEEDS THE CONTRACTOR SHALL INSTITUTE THE FOLLOWING AS DIRECTED BY THE ENGINEER:
 PLACE TEMPORARY EROSION CONTROL FACILITIES AT LOCATIONS SHOWN ON THE PLANS AND AT LOCATIONS DIRECTED BY THE ENGINEER.
 TEMPORARILY SEED ERODIBLE BARE EARTH ON A WEEKLY BASIS TO MINIMIZE THE AMOUNT OF ERODIBLE SURFACE AREA WITHIN THE CONTRACT LIMITS.
 BUILD NECESSARY EMBANKMENT AT CULVERT LOCATIONS AND THEN EXCAVATE AND PLACE CULVERT. CONTINUE BUILDING UP THE EMBANKMENT TO THE PROPOSED GRADE WHILE AT THE SAME TIME PLACING PERMANENT EROSION CONTROL SUCH AS RIPRAP, DITCH LINING AND CONDUCT FINAL SHAPING TO THE SLOPES.
6. WITHIN THE CONSTRUCTION LIMITS, AREAS OF WHICH MAY BE SUSCEPTIBLE TO EROSION AS DETERMINED BY THE ENGINEER SHALL REMAIN UNDISTURBED UNTIL FULL SCALE CONSTRUCTION IS UNDERWAY.
7. DITCH CHECK INSTALLATION SHALL OCCUR IMMEDIATELY UPON DITCHES BEING DISTURBED AND SHALL NOT BE PROLONGED UNTIL DITCHES ARE FINAL GRADED.
8. DISTURBED AREAS SHALL BE PERMANENTLY SEEDED OR SODDED IMMEDIATELY AFTER GRADING. IF NOT, THEY SHALL BE TEMPORARILY SEEDED WITHIN 14 CALENDAR DAYS FROM DISTURBANCE OR RE-DISTURBANCE.

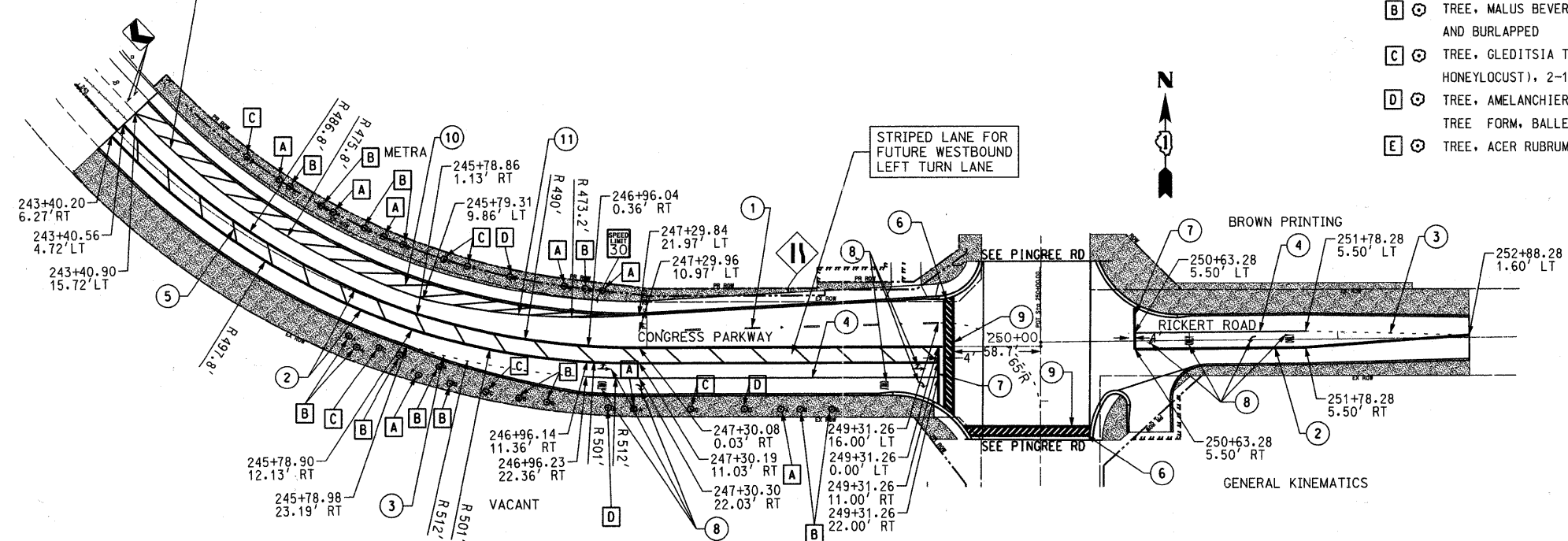
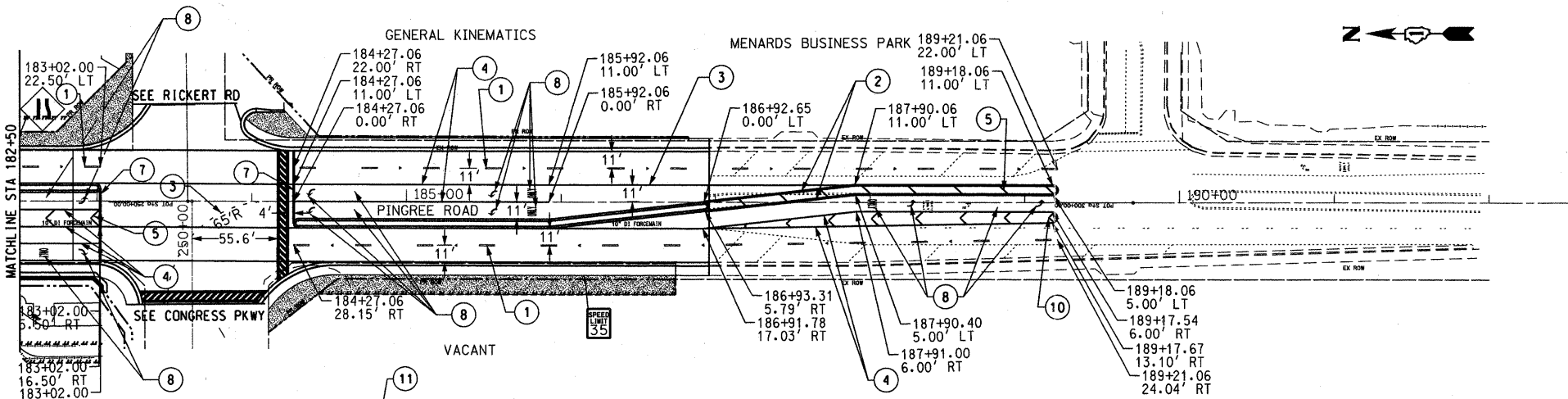
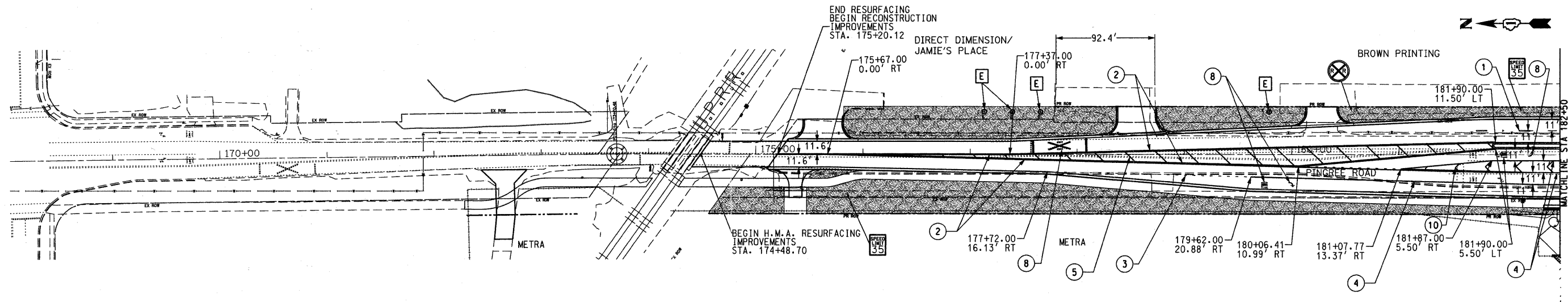
9. SEDIMENT COLLECTED DURING CONSTRUCTION AND MAINTENANCE OF THE VARIOUS TEMPORARY EROSION CONTROL SYSTEMS SHALL BE DISPOSED OF ON SITE ON A REGULAR BASIS AS DIRECTED BY THE ENGINEER. THIS COST SHALL BE INCLUDED IN THE COST OF THE EROSION CONTROL PAY ITEM.
10. SEDIMENT OR SOIL REACHING AN IMPROVED PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA SHALL BE REMOVED BY SCRAPING OR STREET CLEANING AS ACCUMULATIONS WARRANT AND TRANSPORTED TO A CONTROLLED SEDIMENT DISPOSAL AREA ON SITE. THIS COST SHALL NOT BE PAID FOR SEPARATELY.
11. DURING DE-WATERING OPERATIONS, DISCHARGES SHALL BE PUMPED INTO SEDIMENT BASINS OR SILT TRAPS. DE-WATERING DIRECTLY INTO FIELD TILES OR STORMWATER STRUCTURES IS PROHIBITED.
12. TEMPORARY EROSION CONTROL SEEDING SHALL BE APPLIED AT A RATE OF 100LBS/ACRE.
13. THE TEMPORARY EROSION CONTROL SYSTEM SHALL BE REMOVED WITHIN 30 DAYS AFTER FINAL STABILIZATION OR AS DIRECTED BY THE ENGINEER. THE COST OF REMOVAL SHALL BE INCLUDED IN THE COST OF THE ITEM.
14. ALL EROSION CONTROL ITEMS SHALL FOLLOW THE STORMWATER POLLUTION PREVENTION PLAN AND BE CONSTRUCTED AS SHOWN ON THE PLANS, STANDARDS, AS DESCRIBED IN THE SPECIAL PROVISIONS AND AS DIRECTED BY THE ENGINEER.
15. THE EROSION CONTROL PRODUCTS FURNISHED SHALL BE SPECIFICALLY RECOMMENDED BY THE MANUFACTURER FOR THE USE SPECIFIED IN THE EROSION CONTROL PLAN. PRIOR TO APPROVAL AND USE, THE CONTRACTOR SHALL SUBMIT TO THE ENGINEER CERTIFICATION BY THE PRODUCER STATING THE INTENDED USE OF THE PRODUCT AND THAT THE PHYSICAL PROPERTIES REQUIRED FOR THIS APPLICATION ARE MET OR EXCEEDED. THE CONTRACTOR SHALL PROVIDE MANUFACTURER INSTALLATION PROCEDURES TO THE ENGINEER.
16. AREAS OR EMBANKMENTS HAVING SLOPES GREATER THAN OR EQUAL TO 3H: 1V SHALL BE STABILIZED WITH SOD, MAT, OR BLANKET IN COMBINATION WITH SEEDING.
17. ALL STORM SEWERS THAT ARE OR WILL BE FUNCTIONING DURING CONSTRUCTION SHALL BE PROTECTED BY AN APPROPRIATE SEDIMENT CONTROL MEASURE (INLET AND PIPE PROTECTION).
18. A STABILIZED MAT OF AGGREGATE UNDERLAIN WITH FILTER CLOTH OR OTHER APPROPRIATE MEASURE SHALL BE LOCATED AT ANY POINT WHERE TRAFFIC WILL BE ENTERING OR LEAVING A CONSTRUCTION SITE TO OR FROM A PUBLIC RIGHT-OF-WAY, STREET, ALLEY OR PARKING AREA.
19. THE EROSION CONTROL MEASURES INDICATED ON THE PLANS ARE THE MINIMUM REQUIREMENTS. ADDITIONAL MEASURES MAY BE REQUIRED, AS DIRECTED BY THE ENGINEER OR GOVERNING AGENCY.
20. ALL ITEMS SHALL BE CONSTRUCTED AS SHOWN ON STANDARD 280001, THE PLAN DETAILS, AND AS DIRECTED BY THE ENGINEER. MAINTENANCE AND CLEANING OF THE EROSION CONTROL ITEMS SHALL BE INCLUDED IN THE RESPECTIVE EROSION CONTROL PAY ITEM. FAILURE TO MAINTAIN ANY EROSION CONTROL PAY ITEM AS DIRECTED BY THE ENGINEER WILL REQUIRE THE ENGINEER TO FILE AN INCIDENT OF NON-COMPLIANCE (ION) WITH THE ILLINOIS EPA.
21. CONSTRUCTION EQUIPMENT SHALL BE STORED, FUELED AND WASHED ONLY AT DESIGNATED LOCATIONS. ALL NECESSARY MEASURES SHALL BE TAKEN TO CONTAIN ANY FUEL AND OTHER POLLUTANT IN ACCORDANCE WITH EPA WATER QUALITY REGULATIONS. LEAKING EQUIPMENT OR SUPPLIES SHALL BE IMMEDIATELY REPAIRED OR REMOVED FROM THE SITE.
22. SEE CROSS SECTIONS FOR GRADING, SEEDING, AND SODDING LIMITS.
23. AREA OF DISTURBANCE FOR ENTIRE PROJECT = 5.6 ac.



FILE NAME =	USER NAME = daly	DESIGNED - BD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION EROSION AND SEDIMENT CONTROL			F.A.U. RTE. 126	SECTION 95-00090-01-PP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 27
F:\396-064 Pingree Road\CADD\Sheets\126	Format\0163519-sht-eros.dgn	DRAWN - DC	REVISED -		SCALE: 1"=50'	SHEET NO. 27 OF 92 SHEETS	STA.	TO STA.	CONTRACT NO. 63519			
PLOT SCALE = 50,000 / IN.	CHECKED - BD	REVISOR -	REVISED -		ILLINOIS FED. AID PROJECT							
PLOT DATE = 8/26/2011	DATE - 08-29-2011	REVISOR -	REVISED -									



FILE NAME = F:\396-064 Pingree Road\CADD\Sheets\ldo	USER NAME = daly	DESIGNED - BD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION INTERSECTION DETAIL			F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 28
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	PLOT DATE = 9/26/2011	CHECKED - BD	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 08-29-2011	REVISED -									



- LEGEND**
- ① THERMOPLASTIC PAVEMENT MARKING - 4" WHITE LANE LINE 10' DASH 30' SKIP
 - ② THERMOPLASTIC PAVEMENT MARKING - 4" DOUBLE YELLOW CENTERLINE @ 11" C-C
 - ③ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE LANE LINE 2' DASH 6' SKIP
 - ④ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE LANE LINE
 - ⑤ THERMOPLASTIC PAVEMENT MARKING - 12" YELLOW DIAGONAL LINE @ 20' C-C, 45 DEGREES
 - ⑥ THERMOPLASTIC PAVEMENT MARKING - 12" WHITE CROSS WALK LINE @ 3' C-C
 - ⑦ THERMOPLASTIC PAVEMENT MARKING - 24" WHITE STOP LINE
 - ⑧ THERMOPLASTIC PAVEMENT MARKING - WHITE LETTERS AND SYMBOLS
 - ⑨ THERMOPLASTIC PAVEMENT MARKING - 6" WHITE CROSS WALK LINE @ 6' C-C
 - ⑩ THERMOPLASTIC PAVEMENT MARKING - 12" WHITE DIAGONAL LINE @ 20' C-C, 45 DEGREES
 - ⑪ THERMOPLASTIC PAVEMENT MARKING - 4" WHITE LANE LINE

- SODDING, SALT TOLERANT
- A ⊕ TREE, PYRUS CALLERYANA RED SPIRE (RED SPIRE CALLERY PEAR), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- B ⊕ TREE, MALUS BEVERLY (BEVERLY CRABAPPLE), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- C ⊕ TREE, GLEDITSIA TRIACANTHOS INERMIS PRINCETON (PRINCETON THORNLESS COMMON HONEYLOCUST), 2-1/2" CALIPER, BALLED AND BURLAPPED
- D ⊕ TREE, AMELANCHIER X GRANDIFLORA APPLE, (APPLE SERVICEBERRY), 2" CALIPER, TREE FORM, BALLED AND BURLAPPED
- E ⊕ TREE, ACER RUBRUM (RED MAPLE), 3" CALIPER, BALLED AND BURLAPPED

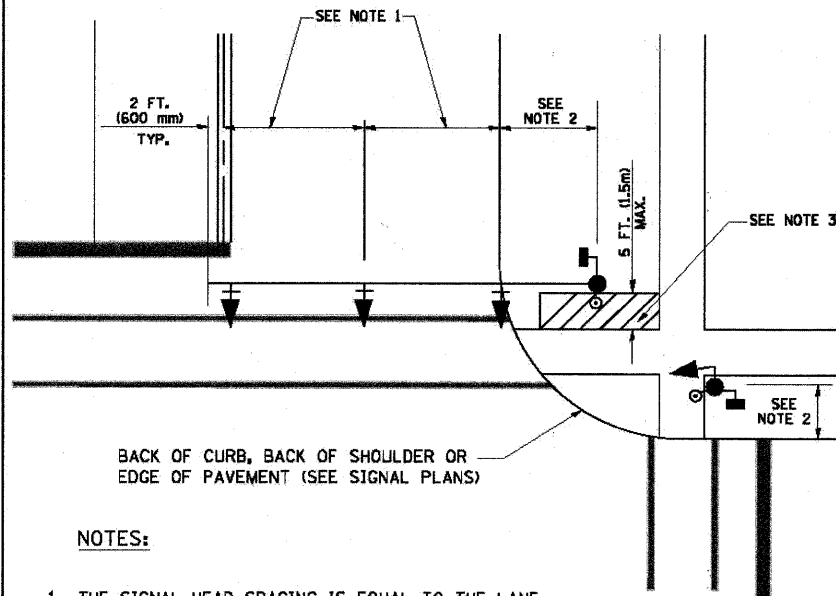
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PLOT SCALE = 50.000' / IN.		CHECKED - BD	REVISED -		SCALE: 1"=50'	SHEET NO. 29 OF 92 SHEETS	STA. TO STA.	CONTRACT NO. 63519				
PLOT DATE = 8/26/2011		DATE - 08-29-2011	REVISED -		ILLINOIS FED. AID PROJECT							

SUMMARY OF TRAFFIC SIGNAL QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
72000100	SIGN PANEL - TYPE 1	SQ FT	30
72000200	SIGN PANEL - TYPE 2	SQ FT	22.5
81000600	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL	FOOT	576
81000700	CONDUIT IN TRENCH, 2½" DIA., GALVANIZED STEEL	FOOT	113
81001000	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL	FOOT	25
81018500	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL	FOOT	121
81018900	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL	FOOT	315
81400100	HANDHOLE	EACH	5
81400200	HEAVY-DUTY HANDHOLE	EACH	2
81400300	DOUBLE HANDHOLE	EACH	2
81900200	TRENCH AND BACKFILL FOR ELECTRICAL WORK	FOOT	677
85700205	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET	EACH	1
87301215	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C	FOOT	411
87301225	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	1083
87301245	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	2388
87301255	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	1267
87301305	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	1805
87301805	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C	FOOT	48
87502480	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
87502490	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.	EACH	1
87502500	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.	EACH	2
87700220	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.	EACH	1
87700240	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.	EACH	1
87700260	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.	EACH	1
87700310	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.	EACH	1
87800100	CONCRETE FOUNDATION, TYPE A	FOOT	16
87800150	CONCRETE FOUNDATION, TYPE C	FOOT	4
87800415	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	60
88030020	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED	EACH	7
88030060	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED	EACH	2
88030110	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED	EACH	2
88030210	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
88030230	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED	EACH	1
88030240	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1

SUMMARY OF TRAFFIC SIGNAL QUANTITIES			
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
88030250	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED	EACH	1
88102710	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED	EACH	2
88102740	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED	EACH	1
88200100	TRAFFIC SIGNAL BACKPLATE	EACH	11
88500100	INDUCTIVE LOOP DETECTOR	EACH	9
88700200	LIGHT DETECTOR	EACH	3
88700300	LIGHT DETECTOR AMPLIFIER	EACH	1
88800100	PEDESTRIAN PUSH-BUTTON	EACH	4
89000100	TEMPORARY TRAFFIC SIGNAL INSTALLATION	EACH	1
89502375	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT	EACH	1
89502380	REMOVE EXISTING HANDHOLE	EACH	9
X8050015	SERVICE INSTALLATION - POLE MOUNTED	EACH	1
X8620020	UNINTERRUPTIBLE POWER SUPPLY	EACH	1
X8730027	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C	FOOT	754
X8730250	ELECTRIC CABLE IN CONDUIT NO. 20 3C, TWISTED, SHIELDED	FOOT	645
Z0033060	PREFORMED DETECTOR LOOP	FOOT	887
Z0073510	TEMPORARY TRAFFIC SIGNAL TIMING	EACH	1

TRAFFIC SIGNAL MAST ARM AND SIGNAL POST

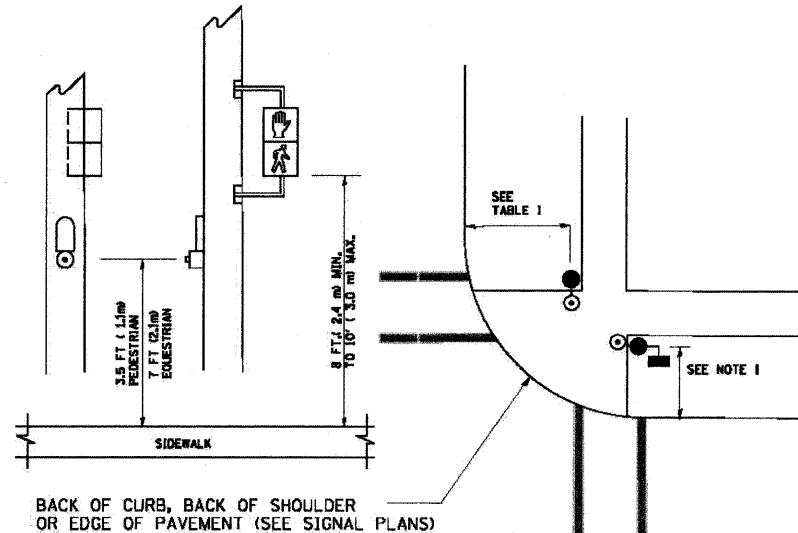
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.



NOTES:

1. THE SIGNAL HEAD SPACING IS EQUAL TO THE LANE WIDTH OR AS SHOWN ON THE TRAFFIC SIGNAL PLAN.
2. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
3. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE MAST ARM SHAFT OR THE SIGNAL POST.
4. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
5. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

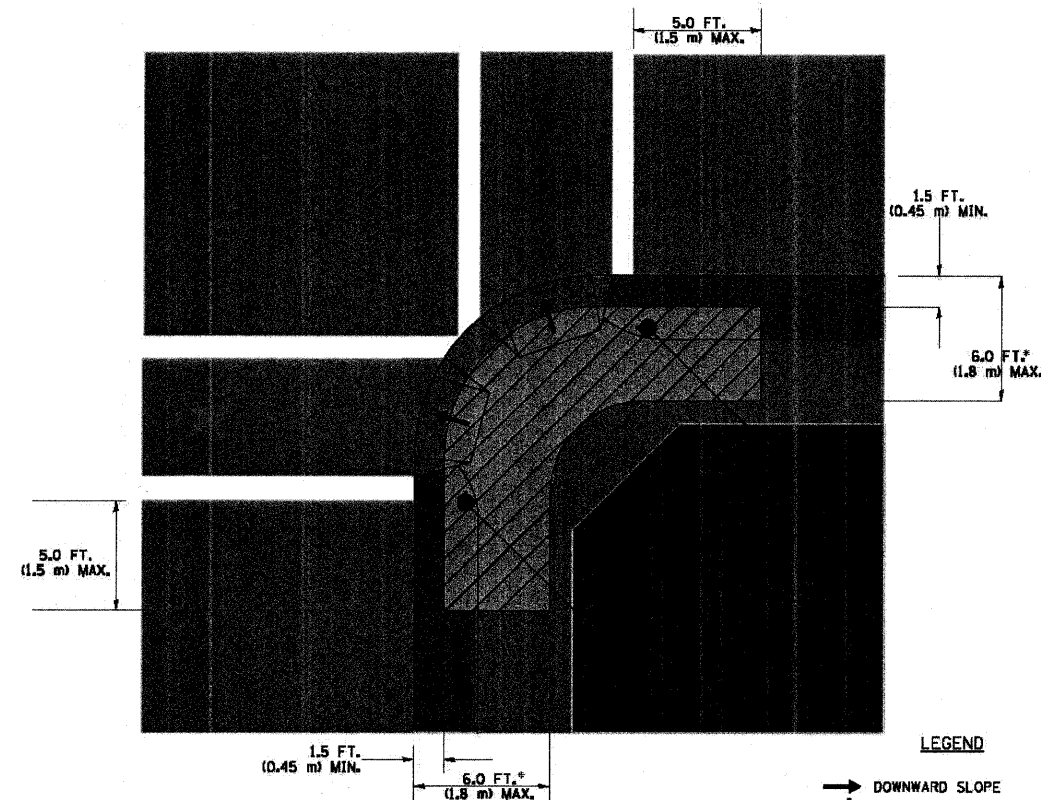
PEDESTRIAN SIGNAL POST AND PEDESTRIAN PUSH BUTTON POST



NOTES:

1. REFER TO THE TRAFFIC SIGNAL EQUIPMENT OFFSET TABLE.
2. PROVIDE A LEVEL ALL-WEATHER SURFACE (CONCRETE SIDEWALK, ASPHALT BICYCLE PATH SURFACE OR MATCHING MATERIAL TO THE ADJACENT SURFACE) UP TO THE PEDESTRIAN SIGNAL POST OR THE PEDESTRIAN PUSH BUTTON POST.
3. THE FACE OF THE PEDESTRIAN PUSHBUTTON SHALL BE PARALLEL TO THE CROSSWALK TO BE USED.
4. THE LOCATIONS AND INSTALLATION OF PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS SHALL MEET THE REQUIREMENTS OF THE MUTCD AND INFORMATION FOUND IN THE "AMERICANS WITH DISABILITIES ACT ACCESSIBILITY GUIDELINES FOR BUILDINGS AND FACILITIES."

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- RECOMMENDED PUSHBUTTON LOCATIONS

- WHERE THERE ARE CONSTRAINTS THAT MAKE IT IMPRACTICAL TO PLACE THE PEDESTRIAN PUSHBUTTON BETWEEN 1.5 FT (0.45 m) AND 6 FT (1.8 m) FROM THE EDGE OF THE CURB, SHOULDER, OR PAVEMENT, IT SHOULD NOT BE FURTHER THAN 10 FT (3 m) FROM THE EDGE OF CURB, SHOULDER, OR PAVEMENT.
- WHERE THERE ARE CONSTRAINTS ON A PARTICULAR CORNER THAT MAKE IT IMPRACTICAL TO PROVIDE THE 10 FT (3 m) SEPARATION BETWEEN THE TWO PEDESTRIAN PUSHBUTTONS, THE PUSHBUTTONS MAY BE PLACED CLOSER TOGETHER OR ON THE SAME POLE.

NOTES:

1. PEDESTRIAN SIGNAL HEADS SHALL BE MOUNTED WITH THE BOTTOM OF THE SIGNAL HOUSING INCLUDING BRACKETS NOT LESS THAN 8 FT (2.4 m) OR MORE THAN 10 FT (3 m) ABOVE SIDEWALK LEVEL, AND SHALL BE POSITIONED AND ADJUSTED TO PROVIDE MAXIMUM VISIBILITY AT THE BEGINNING OF THE CONTROLLED CROSSWALK.
2. THE BOTTOM OF THE SIGNAL HOUSING (INCLUDING BRACKETS) OF A VEHICULAR SIGNAL FACE THAT IS NOT LOCATED OVER A HIGHWAY SHALL BE AT LEAST 8 FT (2.4 m) BUT NOT MORE THAN 19 FT (5.8 m) ABOVE THE SIDEWALK OR, IF THERE IS NO SIDEWALK, ABOVE THE PAVEMENT GRADE AT THE CENTER OF THE ROADWAY.
3. THE BOTTOM OF THE SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARDS 877001, 877002, 877006, 877011 AND 877012 WITH A MINIMUM OF 16 FT (5.0 m) AND A MAXIMUM OF 18 FT. (5.5 m) FROM THE HIGHEST POINT OF PAVEMENT.
4. THE BOTTOM OF THE TEMPORARY SPAN WIRE MOUNTED SIGNAL HOUSING AND ANY RELATED ATTACHMENTS TO A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL BE ACCORDING TO CURRENT STATE STANDARD 880001 WITH A MINIMUM OF 17 FT (5.18 m) FROM THE HIGHEST POINT OF PAVEMENT.
5. THE TOP OF THE SIGNAL HOUSING OF A SIGNAL FACE LOCATED OVER ANY PORTION OF A HIGHWAY SHALL NOT BE MORE THAN 25.6 FT (7.8 m) ABOVE THE PAVEMENT.

TRAFFIC SIGNAL EQUIPMENT OFFSET

TRAFFIC SIGNAL EQUIPMENT	COMBINATION CONCRETE CURB AND GUTTER (MINIMUM DISTANCE FROM BACK OF CURB TO CENTERLINE OF FOUNDATION)	SHOULDER/NON-CURBED AREA (MINIMUM DISTANCE FROM EDGE OF PAVEMENT TO CENTERLINE OF FOUNDATION)
TRAFFIC SIGNAL MAST ARM POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TRAFFIC SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN SIGNAL POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
PEDESTRIAN PUSHBUTTON POST	4 FT (1.2m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
TEMPORARY WOOD POLE	6 FT (1.8m)	SHOULDER WIDTH + 2 FT (0.6m), MINIMUM 10 FT (3.0m)
CONTROLLER CABINET	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.
SERVICE INSTALLATION, GROUND MOUNT	6 FT (1.8m) MINIMUM DISTANCE SEE NOTE 2	SHOULDER WIDTH + 6 FT (1.8m), MINIMUM 16 FT (4.9m) SEE NOTE 3.

NOTES:

1. CONTACT THE "AREA TRAFFIC SIGNAL MAINTENANCE AND OPERATIONS ENGINEER" FOR ASSISTANCE IN LOCATING THE TRAFFIC SIGNAL EQUIPMENT WHEN THERE ARE CONFLICTS WITH DITCHES OR THE MINIMUM OFFSET DISTANCES CANNOT BE MET.
2. MINIMUM DISTANCE FROM THE BACK OF CURB TO THE ROADWAY SIDE OF THE FOUNDATION.
3. MINIMUM DISTANCE FROM THE EDGE OF PAVEMENT TO THE ROADWAY SIDE OF THE FOUNDATION.
4. ANY CHANGES TO THE OFFSETS OF THE FOUNDATIONS, FROM THE MINIMUM DISTANCES LISTED IN THE "TRAFFIC SIGNAL EQUIPMENT OFFSET" CHART AND THE TRAFFIC SIGNAL INSTALLATION PLAN, COULD AFFECT THE PLACEMENT OF THE SIGNAL HEADS, PEDESTRIAN SIGNAL HEADS AND THE PEDESTRIAN PUSHBUTTONS. THE SIGNAL HEAD PLACEMENT ON THE MAST ARMS SHALL REMAIN AS PER THE TRAFFIC SIGNAL INSTALLATION PLAN AND THE "TRAFFIC SIGNAL MAST ARM AND SIGNAL POST" DETAIL ABOVE. THE PROPOSED MAST ARM LENGTHS MAY NEED TO BE REVISED TO MEET THE ABOVE REQUIREMENTS. THE PEDESTRIAN SIGNAL HEADS AND PEDESTRIAN PUSHBUTTONS MUST MEET THE REQUIREMENTS UNDER THE DETAILS ON THIS SHEET.

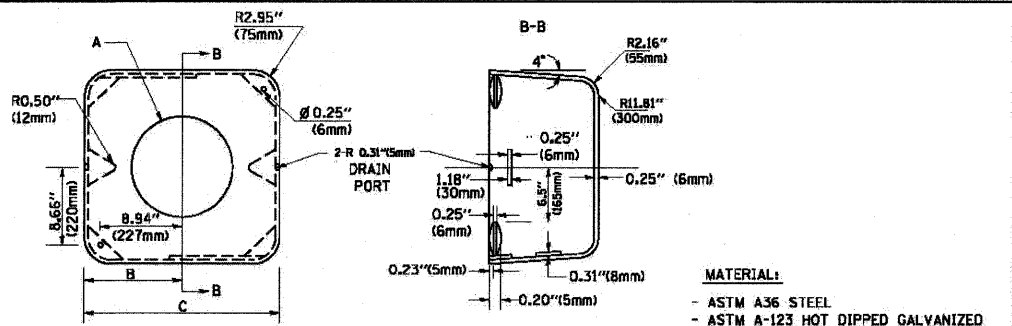
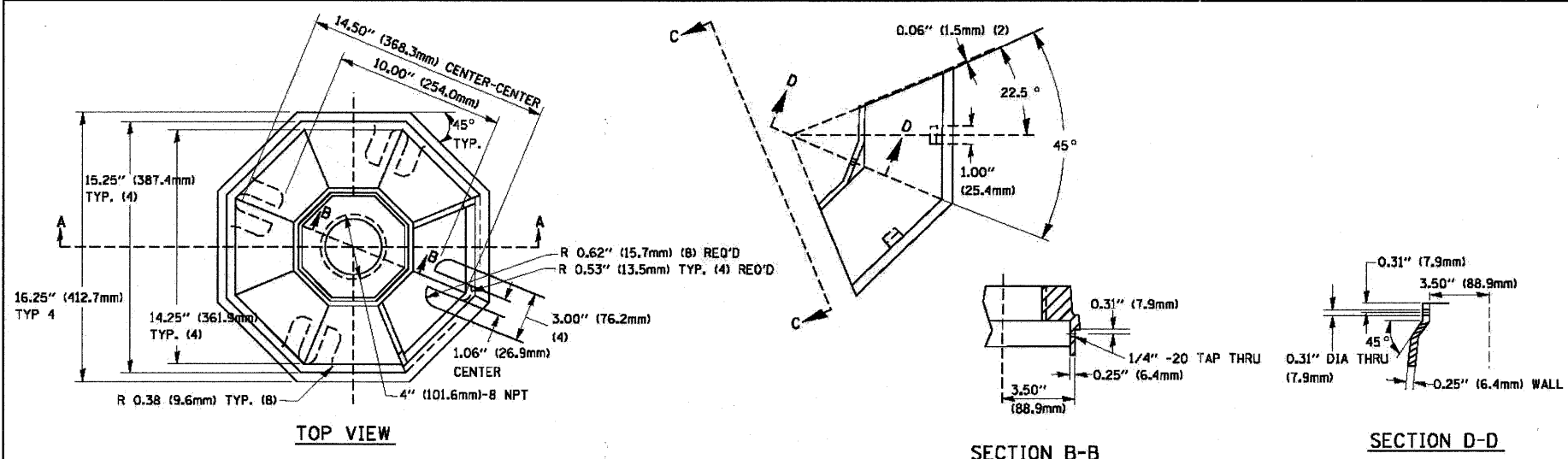
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**PINGREE ROAD RECONSTRUCTION
TRAFFIC SIGNAL PLANS AND DETAILS**

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	32
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

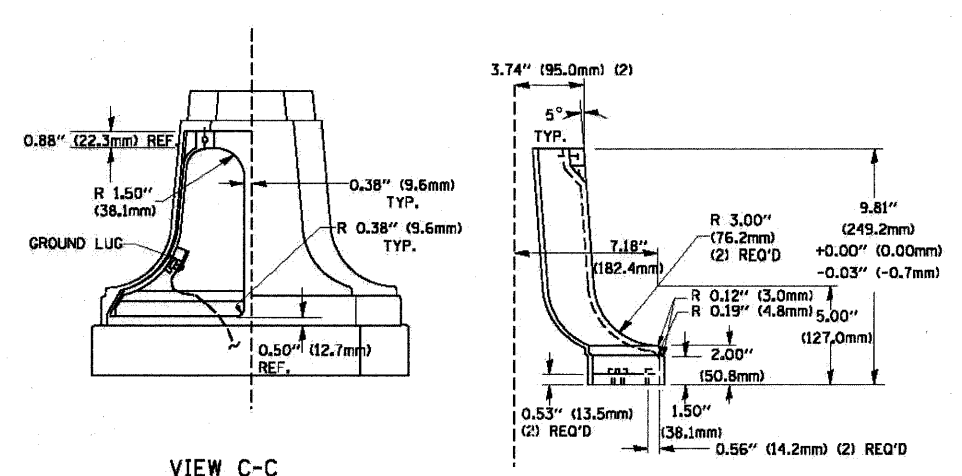
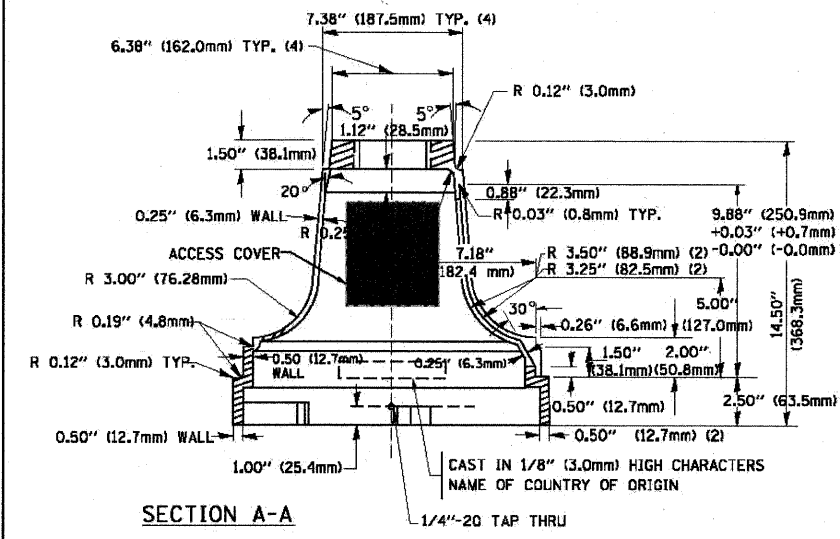
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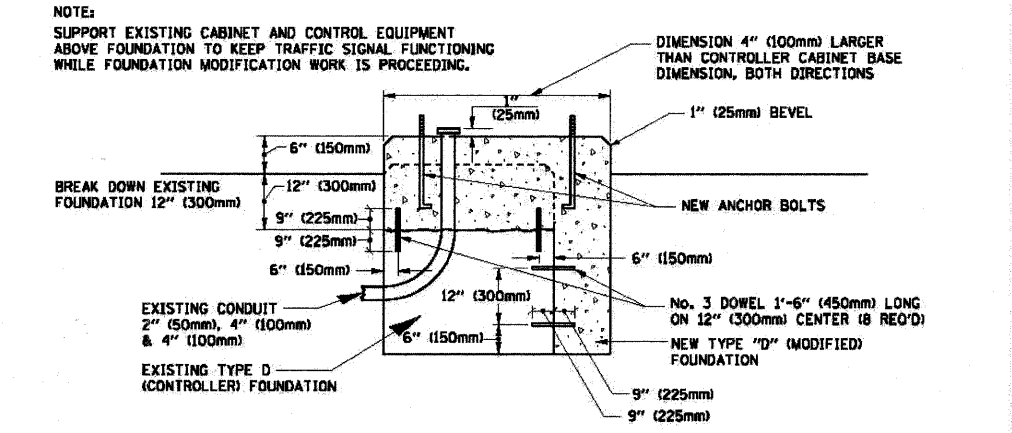
	A	B	C	HEIGHT	WEIGHT
VARIES	9.5\"(241mm)	19\"(483mm)	7\"(178mm) - 12\"(300mm)	53 lbs (24kg)	
VARIES	10.75\"(273mm)	21.5\"(546mm)	7\"(178mm) - 12\"(300mm)	68 lbs (31 kg)	
VARIES	13.0\"(330mm)	26\"(660mm)	7\"(178mm) - 12\"(300mm)	81 lbs (37 kg)	
VARIES	18.5\"(470mm)	37\"(940mm)	7\"(178mm) - 12\"(300mm)	126 lbs (57 kg)	

NOTES:

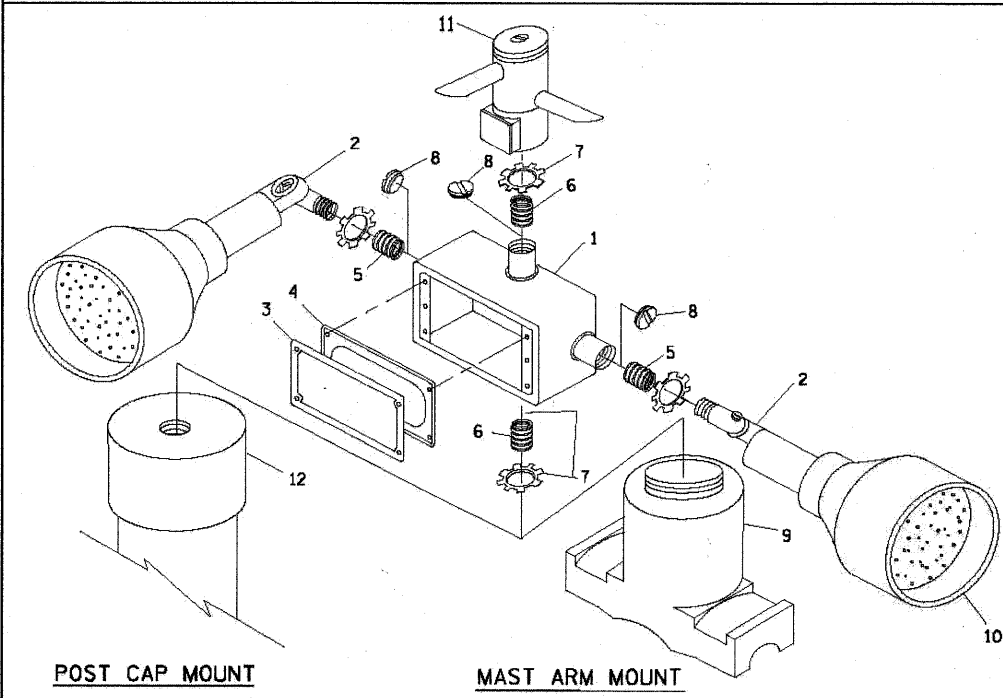
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFIED THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.



TRAFFIC SIGNAL POST - MOUNTING BASE - TYPE A



MODIFY EXISTING TYPE "D" FOUNDATION

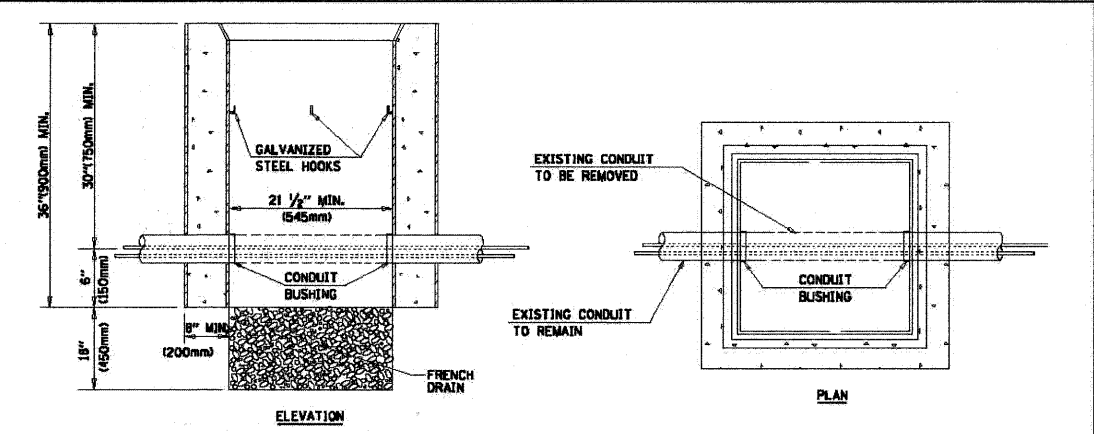


EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- CALV, 21 CU.IN. (0.000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4\"(19 mm) CLOSE NIPPLE
7	3/4\"(19 mm) LOCKNUT
8	3/4\"(19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 36 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

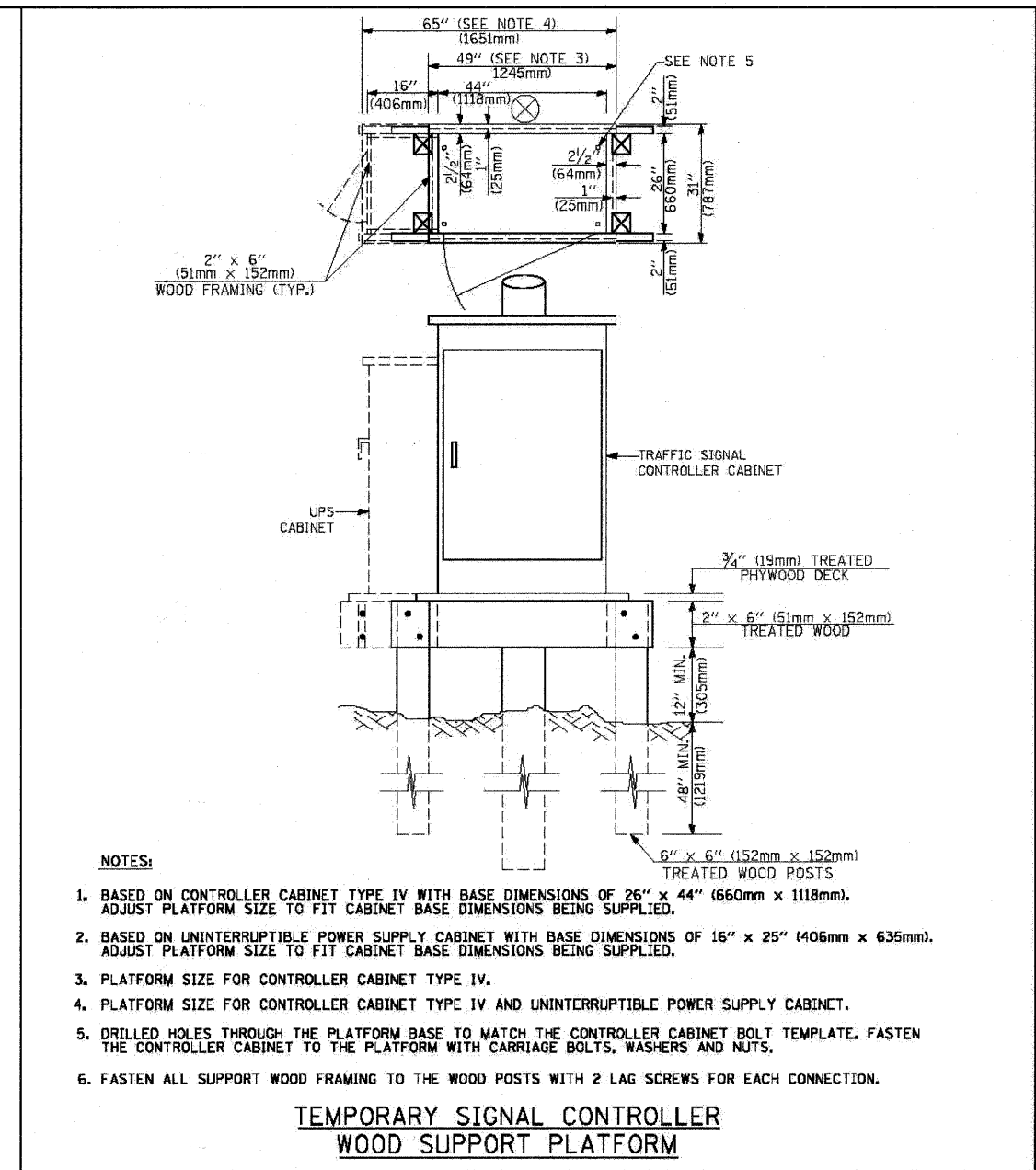
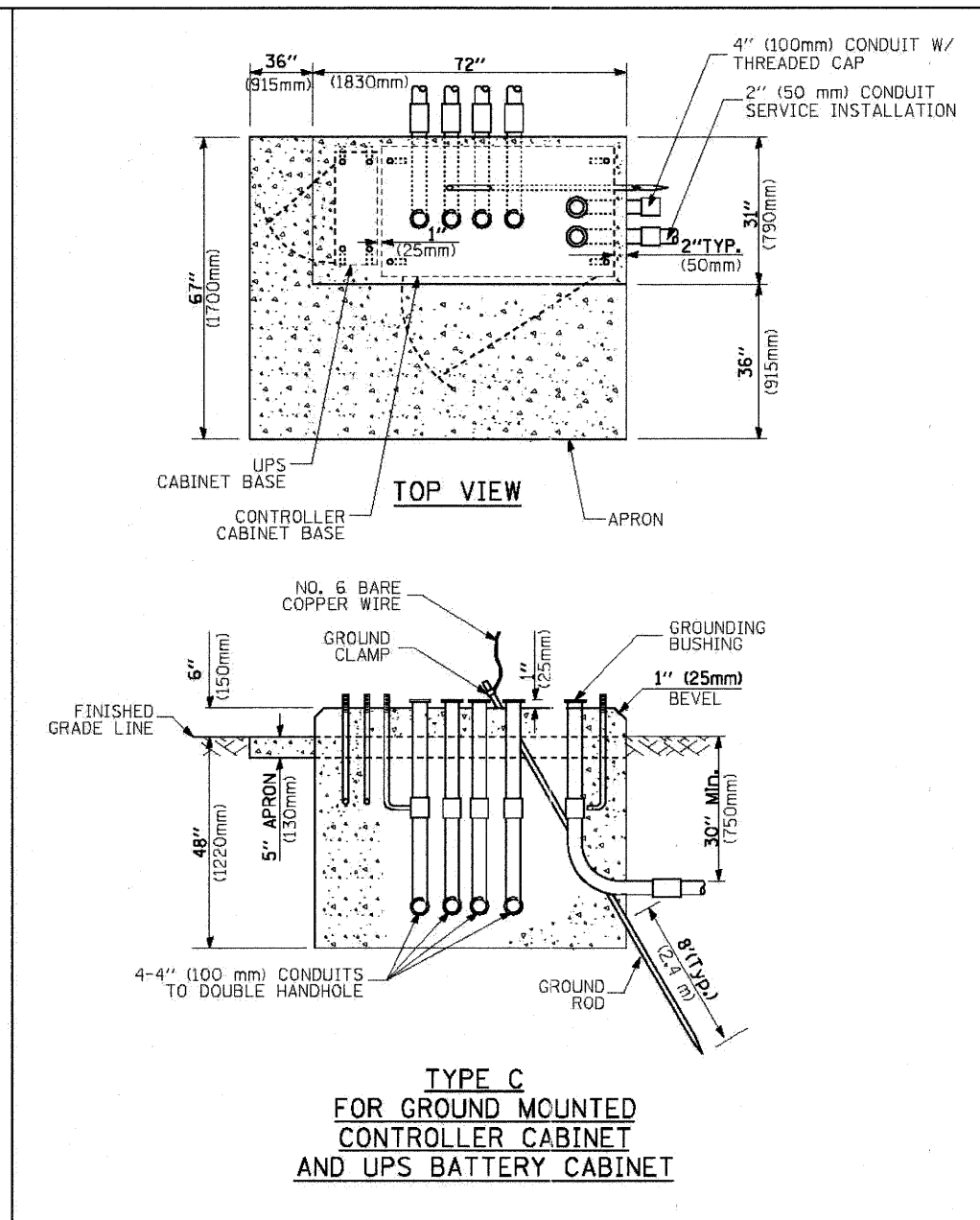
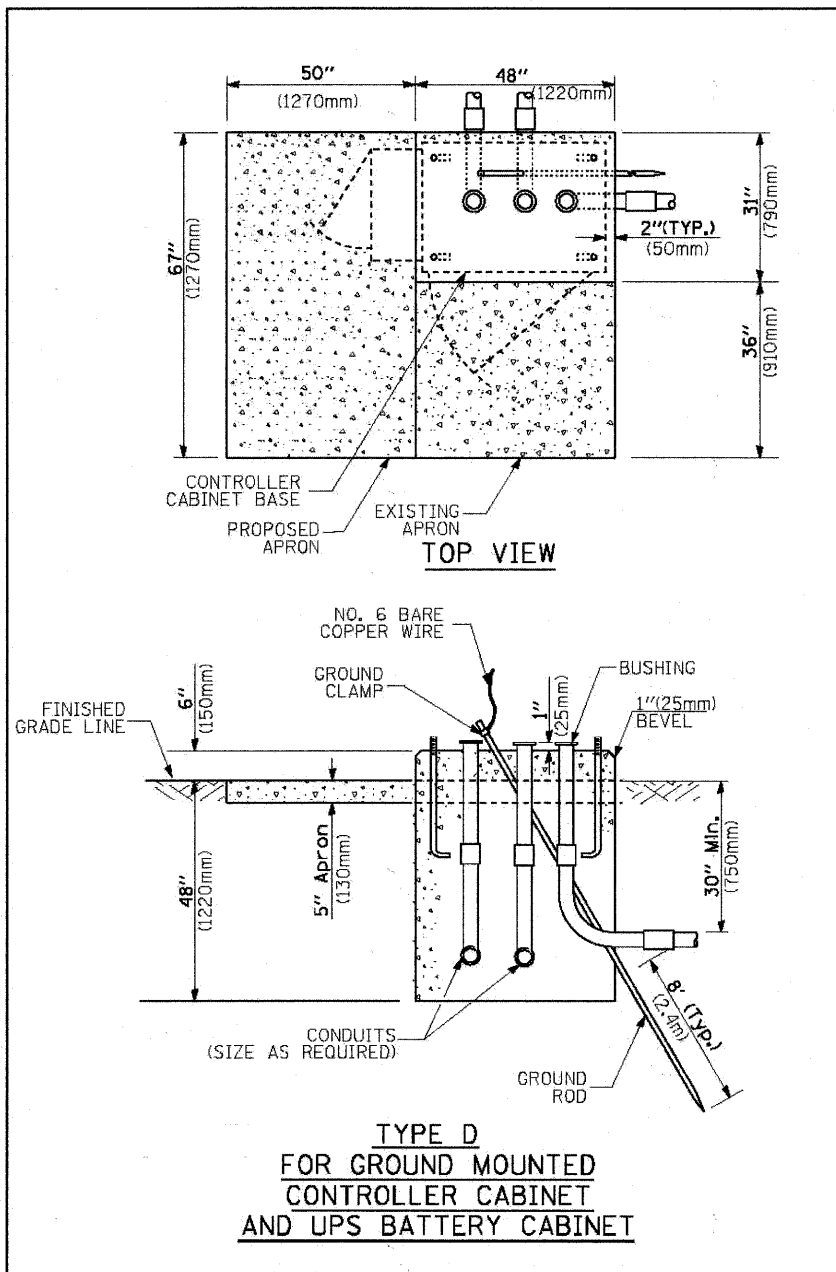
1. ALL ELECTRICAL ITEMS, EXCEPT ITEMS *2 AND *11 SHALL BE ALUMINUM OR GALVANIZED
2. ITEM *1- OZ/GEDNEY FSX-1-50 OR EQUIVALENT
ITEM *2- MULBERRY CON-O-SHADE LAMP SHIELD OR EQUIVALENT
ITEM *9- "BAND-IT" SADDLE BRACKET OR EQUIVALENT
3. WHEN POST MOUNTING IS SPECIFIED, ITEM *9 SHALL NOT BE REQUIRED. THE DETECTION UNIT SHALL BE MOUNTED DIRECTLY ON TOP OF THE CAP BY DRILLING AND TAPPING A 3/4\"(19 mm) HOLE WITH PIPE THREADS. THE POST CAP SHALL EITHER BE SCREWED TO THE TOP OF THE POST OR A MINIMUM OF 3 TIGHTENING SCREWS SHALL BE REQUIRED ON EACH CAP.



NOTES:

1. HANDHOLE CONSTRUCTED PER STATE STANDARD 814001.
2. REMOVAL OF THE EXISTING CONDUIT FROM THE HANDHOLE AND THE INSTALLATION OF THE CONDUIT BUSHINGS SHALL BE INCIDENTAL TO THE HANDHOLE.

HANDHOLE TO INTERCEPT EXISTING CONDUIT



- NOTES:**
1. BASED ON CONTROLLER CABINET TYPE IV WITH BASE DIMENSIONS OF 26" x 44" (660mm x 1118mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 2. BASED ON UNINTERRUPTIBLE POWER SUPPLY CABINET WITH BASE DIMENSIONS OF 16" x 25" (406mm x 635mm). ADJUST PLATFORM SIZE TO FIT CABINET BASE DIMENSIONS BEING SUPPLIED.
 3. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV.
 4. PLATFORM SIZE FOR CONTROLLER CABINET TYPE IV AND UNINTERRUPTIBLE POWER SUPPLY CABINET.
 5. DRILLED HOLES THROUGH THE PLATFORM BASE TO MATCH THE CONTROLLER CABINET BOLT TEMPLATE. FASTEN THE CONTROLLER CABINET TO THE PLATFORM WITH CARRIAGE BOLTS, WASHERS AND NUTS.
 6. FASTEN ALL SUPPORT WOOD FRAMING TO THE WOOD POSTS WITH 2 LAG SCREWS FOR EACH CONNECTION.

CABLE SLACK LENGTH	FEET	METER
HANDHOLE	6.5	2.0
DOUBLE HANDHOLE	13.0	4.0
SIGNAL POST	2.0	0.6
MAST ARM	2.0	0.6
CONTROLLER CABINET	1.5	0.5
FIBER OPTIC AT CABINET	13.0	4.0
ELECTRIC SERVICE AT (CABINET OR SERVICE LOCATION)	1.5	0.5
GROUND CABLE (SIGNAL POST, MAST ARM, CABINET)	1.5	0.5
GROUND CABLE (BETWEEN FRAME AND COVER)	5.0	1.6

VERTICAL CABLE LENGTH	FEET	METER
MAST ARM POLE (MAST ARM MOUNTED SIGNAL HEAD) (L = MAST ARM LENGTH - DISTANCE TO SIGNAL HEAD FROM END OF ARM)	20.0+L	6.0+L
BRACKET MOUNTED (MAST ARM POLE OR SIGNAL POLE)	13.0	4.0
PEDESTRIAN PUSH BUTTON	6.0	2.0
SERVICE INSTALLATION POLE MOUNT TO SERVICE DROP	13.5	4.1
SERVICE INSTALLATION POLE MOUNT TO GROUND	13.5	4.1
SERVICE INSTALLATION GROUND MOUNT	6.0	2.0
FOUNDATION (SIGNAL POST, MAST ARM POLE, CONTROLLER CABINET, SERVICE-GROUND MOUNT)	3.0	1.0

FOUNDATION	DEPTH
TYPE A - Signal Post	4'-0" (1.2m)
TYPE C - CONTROLLER W/ UPS	4'-0" (1.2m)
TYPE D - CONTROLLER	4'-0" (1.2m)
SERVICE INSTALLATION, GROUND MOUNT, TYPE A - SQUARE	4'-0" (1.2m)

Mast Arm Length	① Foundation Depth	Foundation Diameter	Spiral Diameter	Quantity of Rebars	Size of Rebars
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and up to 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

- NOTES:**
1. These foundation depths are for sites which have cohesive soils (clayey silt, sandy clay, etc.) along the length of the shaft, with an average Unconfined Compressive Strength (q_u) > 1.0 tsf (100 kpa). This strength shall be verified by boring data prior to construction or with testing by the Engineer during foundation drilling. The Bureau of Bridges & Structures should be contacted for a revised design if other conditions are encountered.
 2. Combination mast arm assemblies under 55 feet (16.8 m) shall use 36" (900 mm) diameter foundations.
 3. Combination mast arm assemblies under 56 feet (16.8 m) through 75 feet (22.9 m) shall use 42" (1060 mm) diameter foundations.
 4. For mast arm assemblies with dual arms refer to state standard 878001.

CABLE SLACK

VERTICAL CABLE LENGTH

DEPTH OF FOUNDATION

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRICAL CABLE IN CONDUIT, TRACER, NO. 14 1/C. UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTIBLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				GALVANIZED STEEL CONDUIT IN TRENCH (T) OR PUSHED (P)				FIBER OPTIC CABLE NO. 62.5/125, MM12F NO. 24F			
TELEPHONE CONNECTION (P) POLE OF (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F (NUMBER OF FIBERS & TYPE TO BE NOTED ON PLANS)			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVE			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVE			
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVE			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				ABANDON ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVE			
GUY WIRE				12" (300mm) TRAFFIC SIGNAL SECTION				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				SAMPLING SYSTEM DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				SIGNAL FACE				EXISTING INTERSECTION LOOP DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE WITH BACKPLATE. "P" INDICATES PROGRAMMED HEAD				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL				EXISTING PREFORMED INTERSECTION LOOP DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED				PROPOSED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID				PREFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN PUSHBUTTON DETECTOR				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER				PREFORMED SAMPLING (SYSTEM) DETECTOR			
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				RADIO INTERCONNECT				<h2 style="margin: 0;">RAILROAD SYMBOLS</h2>			
ILLUMINATED SIGN "NO LEFT TURN"				RADIO REPEATER							
ILLUMINATED SIGN "NO RIGHT TURN"				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
DETECTOR LOOP, TYPE I				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
PREFORMED DETECTOR LOOP											
MICROWAVE VEHICLE SENSOR											
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

NOTES FOR TEMPORARY TRAFFIC SIGNALS

1. ALL CONTROL EQUIPMENT INCLUDING EMERGENCY PRE-EMPTION AND COMMUNICATION DEVICES FOR THE TEMPORARY TRAFFIC SIGNAL(S) SHALL BE FURNISHED BY THE CONTRACTOR.
2. ONLY CONTROLLERS SUPPLIED BY ONE OF THE DISTRICT APPROVED CLOSED LOOP EQUIPMENT MANUFACTURERS WILL BE APPROVED FOR USE AT TEMPORARY SIGNAL LOCATIONS. ALL CONTROLLERS USED FOR TEMPORARY TRAFFIC SIGNALS SHALL BE FULLY ACTUATED NEMA MICROPROCESSOR BASED WITH RS232 DATA ENTRY PORTS COMPATIBLE WITH EXISTING MONITORING SOFTWARE APPROVED BY IDOT DISTRICT 1, INSTALLED IN A NEMA TS2 CABINET. ONLY ONE BRAND OF CONTROLLER WILL BE ACCEPTED FOR ANY ONE CONTRACT.
3. ALL TRAFFIC SIGNAL SECTIONS AND PEDESTRIAN SIGNAL SECTIONS SHALL BE LED AND 12" (300mm) DIAMETER. HEADS SHALL BE PLACED AS INDICATED ON THE TEMPORARY TRAFFIC SIGNAL PLAN OR AS DIRECTED BY THE ENGINEER. PEDESTRIAN SIGNALS SHALL INCLUDE SOLID INTERNATIONAL SYMBOLS. PEDESTRIAN SIGNALS WITH COUNTDOWN TIMERS SHALL BE USED WHEN THE EXISTING INSTALLATION UTILIZES COUNTDOWN TYPE OR AS DIRECTED BY THE ENGINEER. COUNTDOWN TYPE PEDESTRIAN SIGNALS ARE NOT TO BE INSTALLED AT A RAILROAD INTERSECTION. THE CONTRACTOR SHALL FURNISH ENOUGH CABLE SLACK TO RELOCATE HEADS TO ANY POSITION ON THE SPAN WIRE OR AT LOCATIONS ILLUSTRATED ON THE PLANS FOR CONSTRUCTION STAGING. THE TEMPORARY TRAFFIC SIGNAL SHALL REMAIN IN OPERATION DURING ALL SIGNAL HEAD RELOCATIONS. EACH TEMPORARY TRAFFIC SIGNAL HEAD SHALL HAVE ITS OWN CABLE FROM THE CONTROLLER CABINET TO THE SIGNAL HEAD.
4. ALL EXISTING STREET NAME AND INTERSECTION REGULATORY SIGNS SHALL BE REMOVED FROM EXISTING POLES, RELOCATED AND SECURELY FASTENED TO THE SPAN WIRE OR WOOD POLE AS DIRECTED BY THE ENGINEER.
5. ANY TEMPORARY SIGNAL WITHIN AN EXISTING CLOSED LOOP TRAFFIC SIGNAL SYSTEM SHALL BE INTERCONNECTED TO THAT SYSTEM USING SIMILAR BRAND CONTROL EQUIPMENT.
6. THE TEMPORARY TRAFFIC SIGNAL SHALL HAVE THE SIGNAL HEAD DISPLAYS, SIGNAL HEAD PLACEMENTS AND CONTROLLER PHASING MATCH THE EXISTING TRAFFIC SIGNAL, AT THE TIME OF THE TURN ON, IF NO TRAFFIC STAGING IS IN PLACE OR WILL NOT BE STAGED ON THE DAY OF THE TURN ON.
7. UNINTERRUPTIBLE POWER SUPPLY (UPS) SYSTEMS SHALL BE INSTALLED AND MADE OPERATIONAL AT TEMPORARY TRAFFIC SIGNAL INSTALLATIONS WHERE UPS IS INSTALLED AT THE EXISTING TRAFFIC SIGNAL, TEMPORARY TRAFFIC SIGNALS AT RAILROAD INTERSECTIONS, AND TEMPORARY TRAFFIC SIGNALS AT INTERSECTIONS WITH FIRE STATION ACTUATED EMERGENCY VEHICLE PRE-EMPTION, OR WHEN INDICATED ON THE PLANS.
8. TRAFFIC SIGNAL MANAGEMENT SYSTEMS SHALL BE MAINTAINED IN OPERATION AS INDICATED ON THE PLANS OR AS DIRECTED BY THE ENGINEER. REQUIRED EQUIPMENT SHALL BE AS SHOWN ON THE PLANS AND THE CONTRACTOR SHALL PLACE THE EQUIPMENT IN OPERATION TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE TRAFFIC SIGNAL MANAGEMENT SYSTEM.
9. DETECTION AT TEMPORARY TRAFFIC SIGNALS SHALL BE INCLUDED FOR ALL APPROACHES OF THE INTERSECTION UNLESS INDICATED OTHERWISE ON THE PLANS. THE DETECTION SYSTEM MUST MEET THE SPECIFICATIONS OF DISTRICT 1 AND THE CONTRACTOR SHALL PLACE THE DETECTORS INTO OPERATION TO THE SATISFACTION OF THE ENGINEER.
10. WHEN PAN, TILT, ZOOM CAMERAS ARE INSTALLED AT THE EXISTING INTERSECTION OR ARE CALLED FOR IN THE PLANS, THE CONTRACTOR SHALL BE RESPONSIBLE FOR INSTALLING AND MAINTAINING THE CAMERAS TO THE SATISFACTION OF THE ENGINEER AND THE AGENCY RESPONSIBLE FOR THE CAMERAS.

THE FOLLOWING ITEMS SHALL BE REMOVED BY THE CONTRACTOR AND SHALL BE DISPOSED OF BY THEM OUTSIDE THE RIGHT-OF-WAY AT THEIR EXPENSE. THE SALVAGE VALUE OF THE REMOVED EQUIPMENT SHALL BE REFLECTED IN THE CONTRACTOR'S BID PRICE.

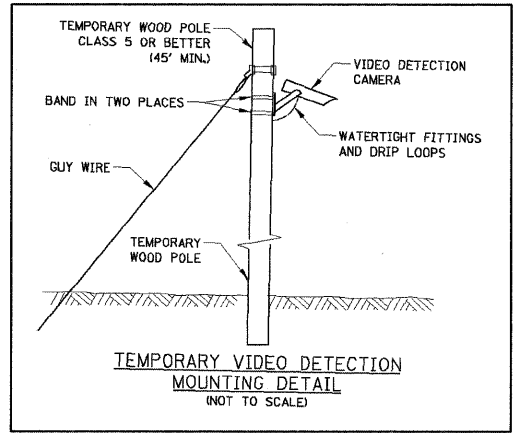
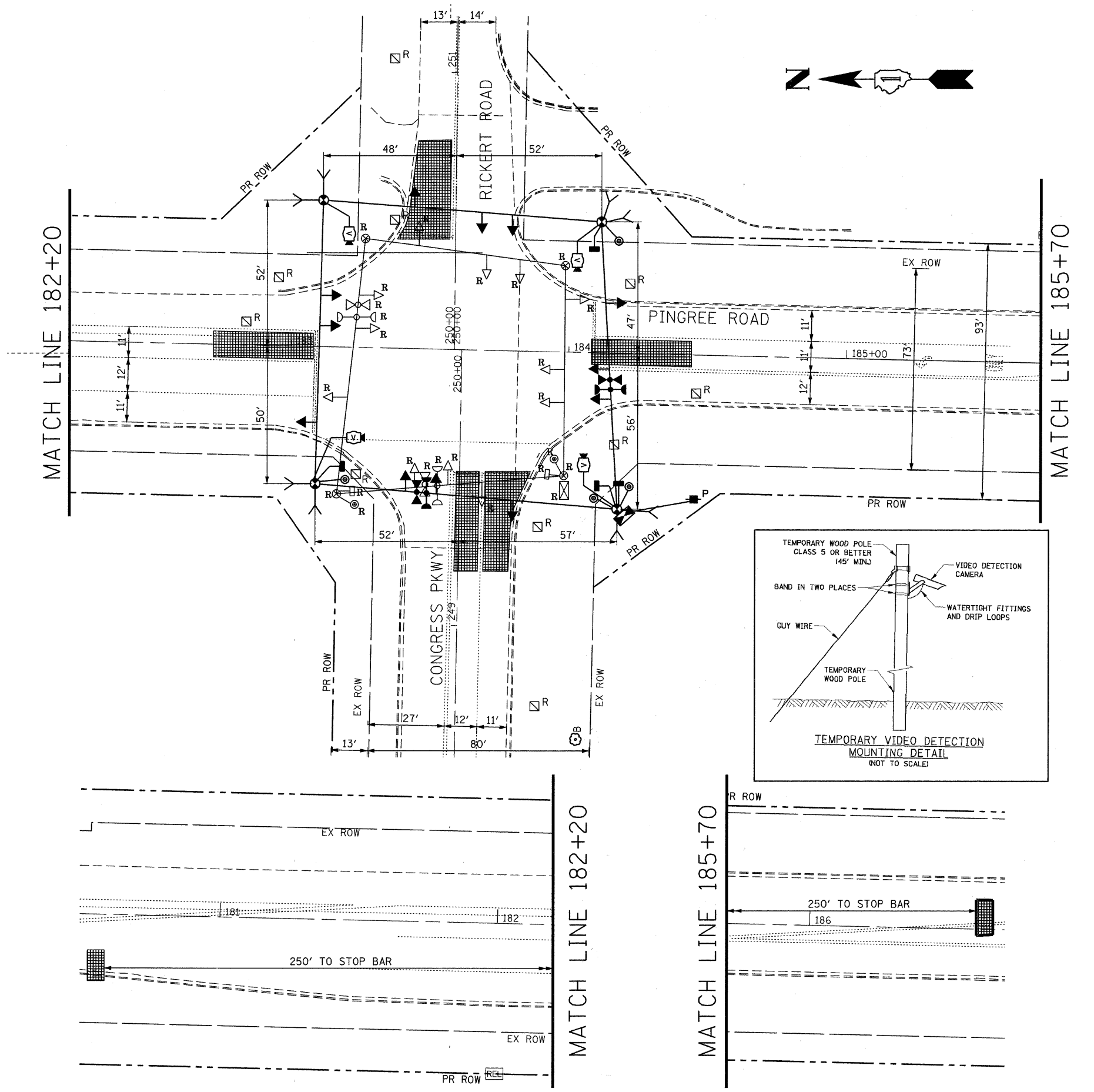
8	EACH	SIGNAL HEAD, 1-FACE 3-SECTION, SPAN WIRE MOUNTED
4	EACH	SIGNAL HEAD, 1-FACE 5-SECTION, SPAN WIRE MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, 2-FACE, BRACKET MOUNTED
12	EACH	TRAFFIC SIGNAL BACKPLATE, LOUVERED
1	EACH	FULL ACTUATED CONTROLLER AND TYPE IV CABINET, SPECIAL
7	EACH	INDUCTIVE LOOP DETECTOR
1	EACH	SERVICE INSTALLATION, POLE MOUNT
351	FOOT	SPAN WIRE
351	FOOT	TETHER WIRE
4	EACH	TRAFFIC SIGNAL WOOD POLE, 45', CLASS 5
2	EACH	PEDESTRIAN PUSH-BUTTON

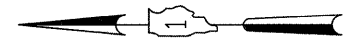
THE FOLLOWING EXISTING TRAFFIC SIGNAL EQUIPMENT SHALL BE REMOVED BY THE CONTRACTOR, SHALL REMAIN THE PROPERTY OF THE AGENCY LISTED BELOW. THE CONTRACTOR SHALL SAFELY STORE AND ARRANGE FOR PICK UP OF ALL EQUIPMENT TO BE RETURNED TO THE LISTED AGENCY AS PER THE TRAFFIC SIGNAL SPECIFICATIONS.

AGENCY: CITY OF CRYSTAL LAKE

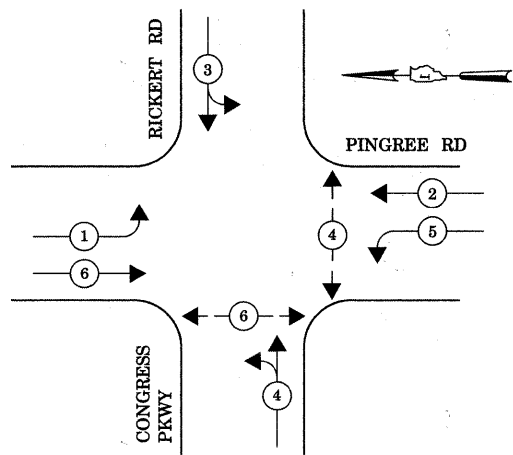
CONTACT INFORMATION:
 MARK STONIKAS
 CITY OF CRYSTAL LAKE
 ENGINEERING DEPARTMENT
 PHONE: 815-356-3700
 EX 4025

2	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER





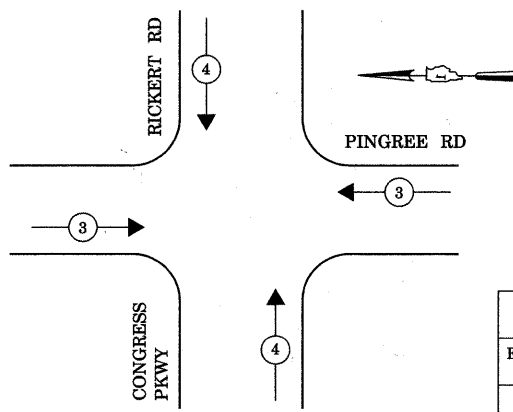
CONTROLLER SEQUENCE



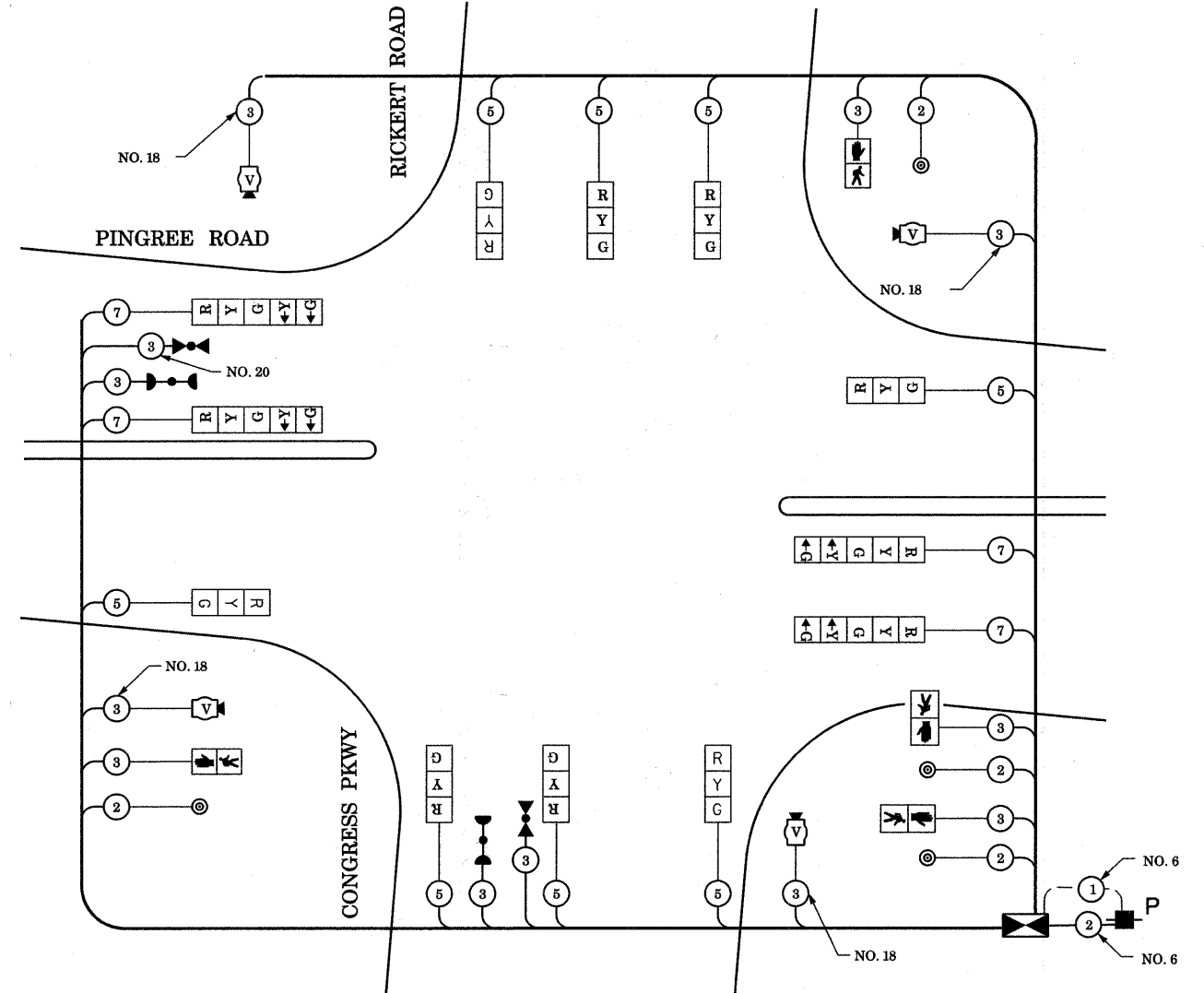
- LEGEND**
- ← * → DUAL ENTRY PHASE
 - ← * → SINGLE ENTRY PHASE
 - ◊ O.L. OVERLAP
 - ← * → PEDESTRIAN PHASE
 - * NUMBER REFERS TO ASSOCIATED PHASE

TEMPORARY PHASE DESIGNATION DIAGRAM

EMERGENCY VEHICLE PREEMPTION SEQUENCE



PROPOSED EMERGENCY VEHICLE PREEMPTORS		
EMERGENCY VEHICLE PREEMPTOR	3	4
MOVEMENT	← →	↑ ↓

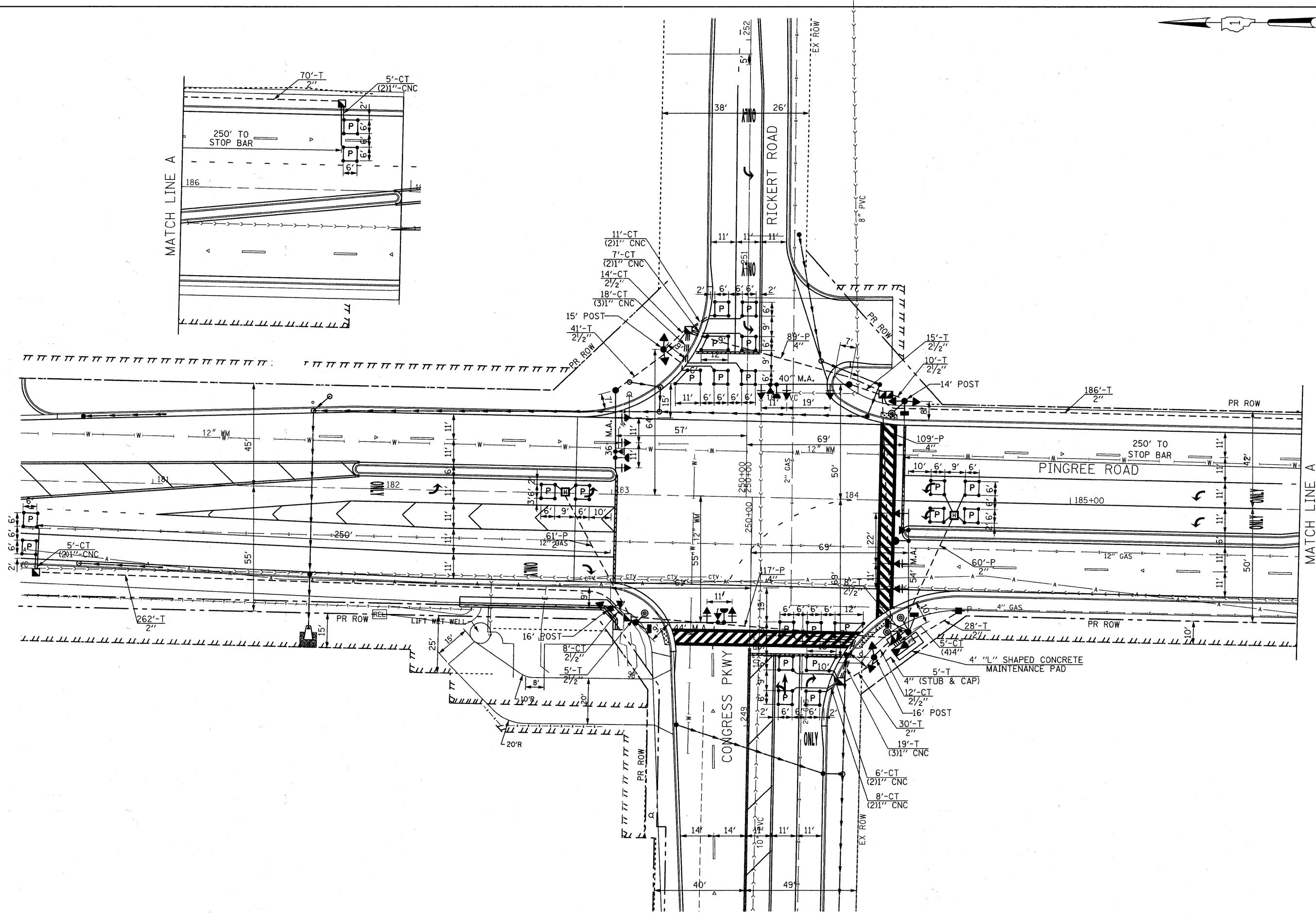


TEMPORARY CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		% OPERATION	
SIGNAL (RED)	12	135	17	0.50	102
(YELLOW)	12	135	25	0.25	75
(GREEN)	12	135	15	0.25	45
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER	1	100	100	1.00	100
ILLUM. SIGN				0.05	
FLASHER				0.50	
ENERGY COSTS TO:					TOTAL = 431.6

ILLINOIS DEPARTMENT OF TRANSPORTATION
201 WEST CENTER COURT
SCHAUMBURG, ILLINOIS 60196-1096

ENERGY SUPPLY CONTACT: LISA COOK
PHONE: (815) 477-5204
COMPANY: COMMONWEALTH EDISON



FILE NAME = F:\396-064 Pingree Road\CADD\Sheets\1do
 USER NAME = dsly
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 PLOT SCALE = 28.0000' / IN.
 PLOT DATE = 8/26/2011

DESIGNED - BD
 DRAWN - DC
 CHECKED - BD
 DATE - 08-29-2011

REVISED -
 REVISED -
 REVISED -
 REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

**PINGREE ROAD RECONSTRUCTION
 TRAFFIC SIGNAL INSTALLATION CONGRESS PARKWAY / PINGREE ROAD**

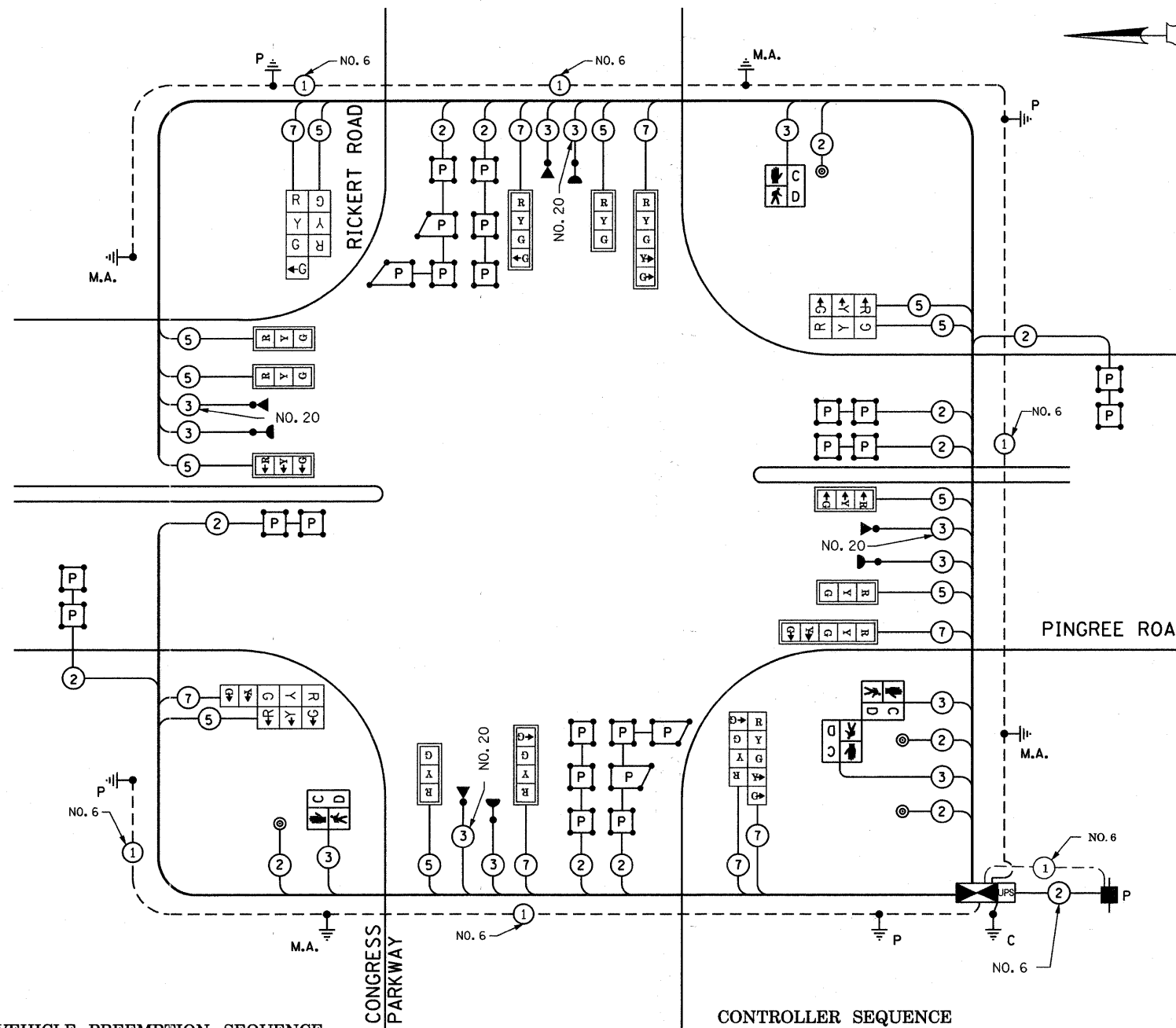
SCALE: N.T.S. SHEET NO. 39 OF 92 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	39
				CONTRACT NO. 63519
ILLINOIS FED. AID PROJECT				

SCHEDULE OF QUANTITIES

QUANTITY	UNIT	ITEM
30	SQ FT	SIGN PANEL - TYPE 1
22.5	SQ FT	SIGN PANEL - TYPE 2
576	FOOT	CONDUIT IN TRENCH, 2" DIA., GALVANIZED STEEL
113	FOOT	CONDUIT IN TRENCH, 2 1/2" DIA., GALVANIZED STEEL
25	FOOT	CONDUIT IN TRENCH, 4" DIA., GALVANIZED STEEL
121	FOOT	CONDUIT PUSHED, 2" DIA., GALVANIZED STEEL
315	FOOT	CONDUIT PUSHED, 4" DIA., GALVANIZED STEEL
5	EACH	HANDHOLE
2	EACH	HEAVY-DUTY HANDHOLE
2	EACH	DOUBLE HANDHOLE
677	FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK
1	EACH	FULL-ACTUATED CONTROLLER AND TYPE IV CABINET
411	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 2C
1300	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C
2388	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C
1267	FOOT	ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C
1805	FOOT	ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR
48	FOOT	ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2C
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.
1	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 15 FT.
2	EACH	TRAFFIC SIGNAL POST, GALVANIZED STEEL 16 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 36 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 40 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 44 FT.
1	EACH	STEEL MAST ARM ASSEMBLY AND POLE, 54 FT.
16	FOOT	CONCRETE FOUNDATION, TYPE A
4	FOOT	CONCRETE FOUNDATION, TYPE C
60	FOOT	CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER
7	EACH	SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST ARM MOUNTED
2	EACH	SIGNAL HEAD, LED, 1-FACE, 5-SECTION, MAST ARM MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 3-SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-4 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-3 SECTION, 1-5 SECTION, BRACKET MOUNTED
1	EACH	SIGNAL HEAD, LED, 2-FACE, 1-4 SECTION, 1-5 SECTION, BRACKET MOUNTED
2	EACH	PEDESTRIAN SIGNAL HEAD, LED, 1-FACE, BRACKET MOUNTED
1	EACH	PEDESTRIAN SIGNAL HEAD, LED, 2-FACE, BRACKET MOUNTED
11	EACH	TRAFFIC SIGNAL BACKPLATE
9	EACH	INDUCTIVE LOOP DETECTOR
4	EACH	LIGHT DETECTOR
1	EACH	LIGHT DETECTOR AMPLIFIER
4	EACH	PEDESTRIAN PUSH-BUTTON
1	EACH	TEMPORARY TRAFFIC SIGNAL INSTALLATION
1	EACH	REMOVE EXISTING TRAFFIC SIGNAL EQUIPMENT
9	EACH	REMOVE EXISTING HANDHOLE
837	FOOT	PREFORMED DETECTOR LOOP
1	EACH	TEMPORARY TRAFFIC SIGNAL TIMING
1	EACH	SERVICE INSTALLATION - POLE MOUNTED
1	EACH	UNINTERRUPTIBLE POWER SUPPLY
754	FOOT	ELECTRIC CABLE IN CONDUIT, GROUNDING, NO. 6 1C
861	FOOT	ELECTRIC CABLE IN CONDUIT NO. 20 3/C, TWISTED, SHIELDED

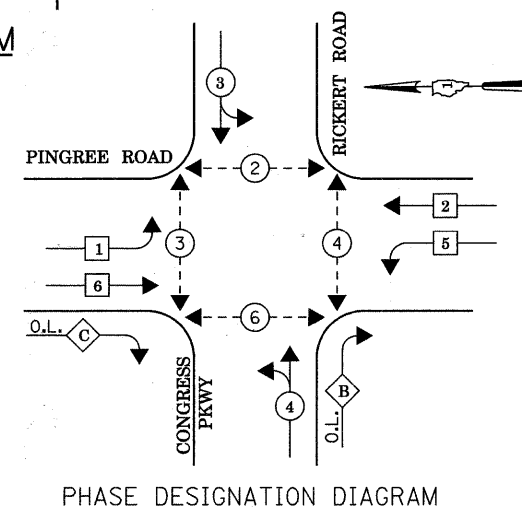
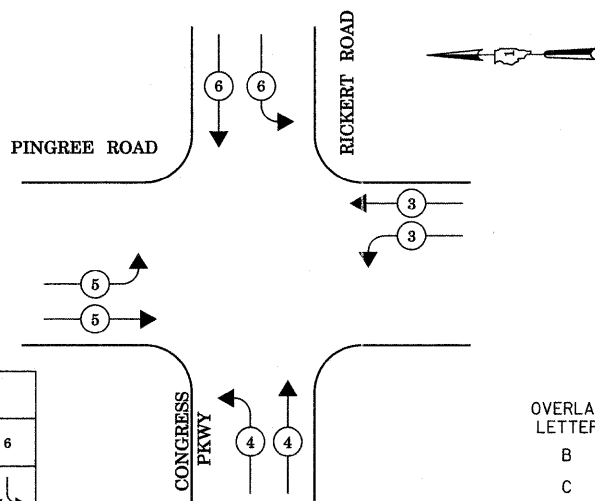
• 100% COST TO CITY OF CRYSTAL LAKE



EMERGENCY VEHICLE PREEMPTION SEQUENCE

CABLE DIAGRAM

CONTROLLER SEQUENCE



LEGEND

- ⊕ DUAL ENTRY PHASE
- ⊙ SINGLE ENTRY PHASE
- ◊ O.L. OVERLAP
- ⊛ PEDESTRIAN PHASE
- * NUMBER REFERS TO ASSOCIATED PHASE

OVERLAP LETTER PERMISSIVE PHASE PROTECTED PHASE
 B = 4 + 5
 C = 6 + 4

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS					TOTAL WATTAGE
TYPE	NO LAMPS	WATTAGE		OPERATION	
		INCAND.	LED		
SIGNAL (RED)	19	135	17	0.50	161.5
(YELLOW)	19	135	25	0.25	118.75
(GREEN)	14	135	15	0.25	52.5
ARROW	8	135	12	0.10	9.6
PED. SIGNAL	4	90	25	1.00	100
CONTROLLER ILLUM. SIGN	1	100	100	1.00	100
				0.05	
FLASHER				0.50	
ENERGY COSTS TO:				TOTAL =	542.35

ILLINOIS DEPARTMENT OF TRANSPORTATION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196-1096
 ENERGY SUPPLY CONTACT: LISA COOK
 PHONE: (815) 477-5204
 COMPANY: COMMONWEALTH EDISON

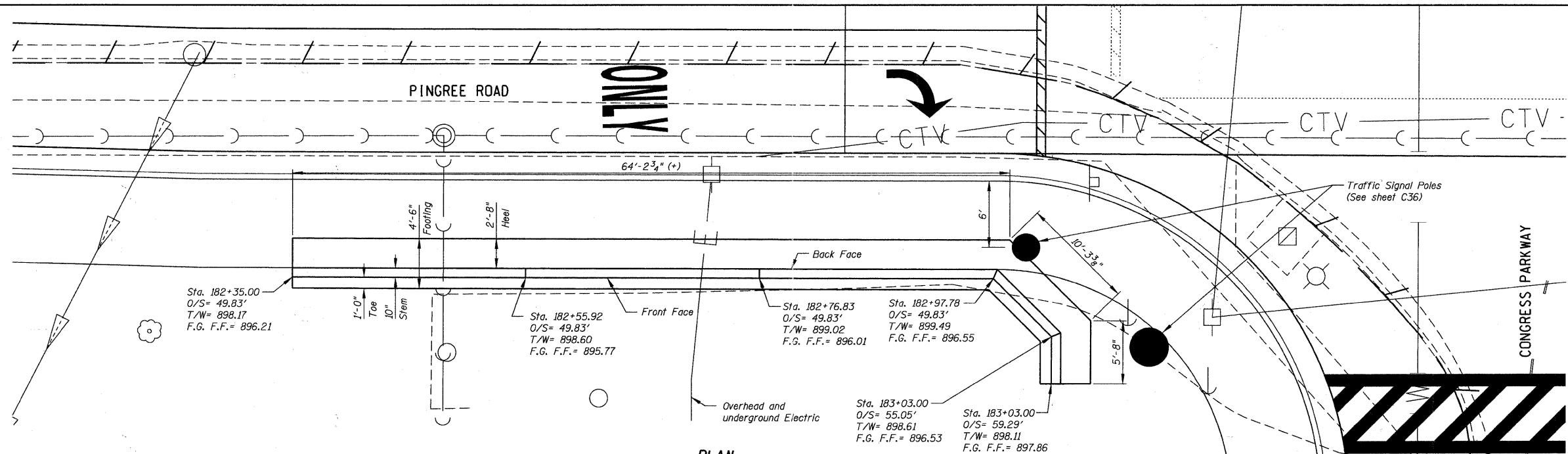
PROPOSED EMERGENCY VEHICLE PREEMPTORS				
EMERGENCY VEHICLE PREEMPTOR	3	4	5	6
MOVEMENT	←	↑	→	↓

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION

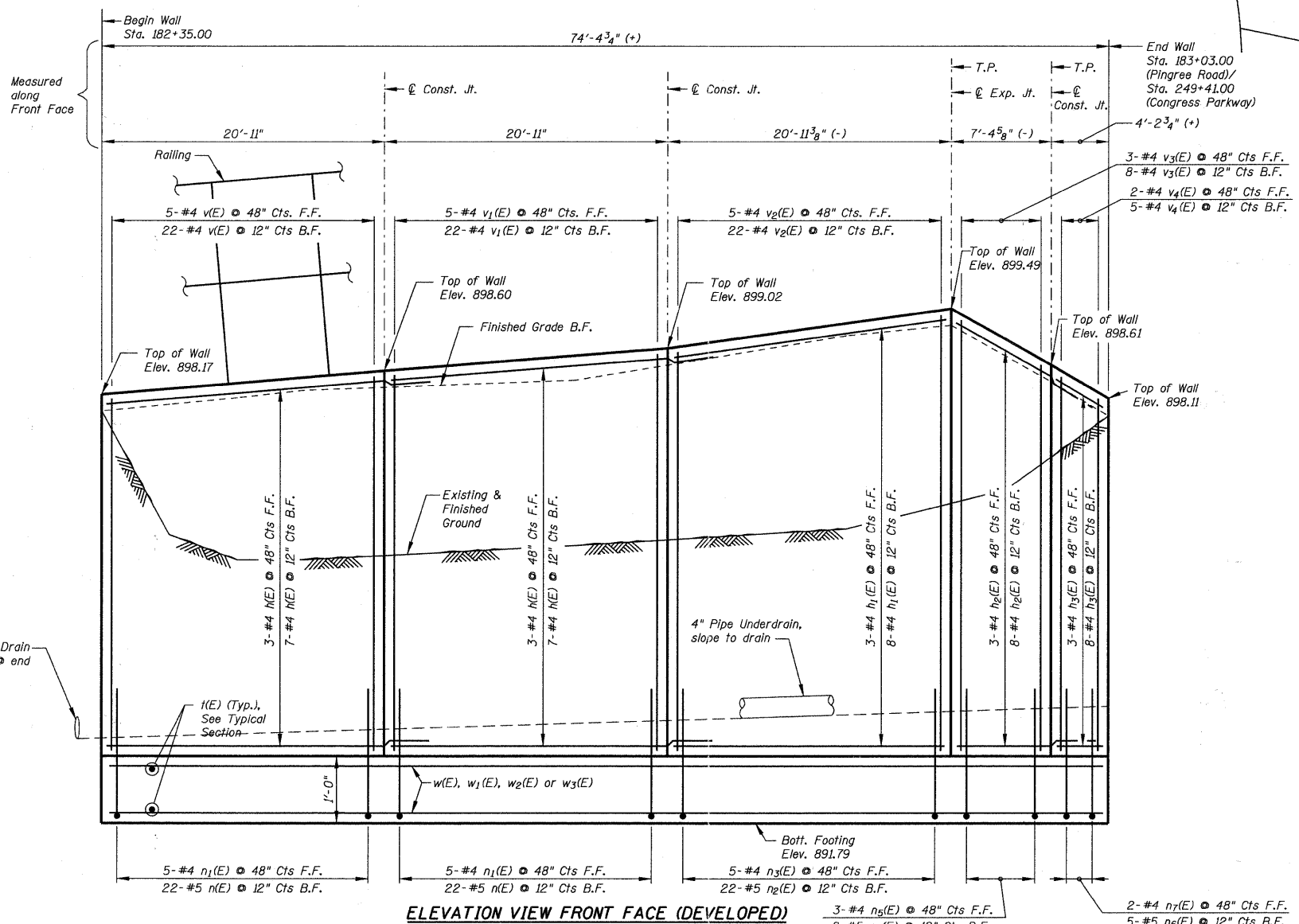
PINGREE ROAD RECONSTRUCTION CABLE PLAN, PHASE DESIGNATION DIAGRAM, EVP SEQUENCE AND SOO PARKWAY AND PINGREE ROAD
 SCALE: N.T.S. SHEET NO. 40 OF 92 SHEETS STA. TO STA.

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	40

CONTRACT NO. 63519
 ILLINOIS FED. AID PROJECT



Note:
All Stations and Offsets are to the Front Face of the wall.



DATE SIGNED: 9-18-11
EXP. DATE: 11-30-12

DESIGN STRESSES

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

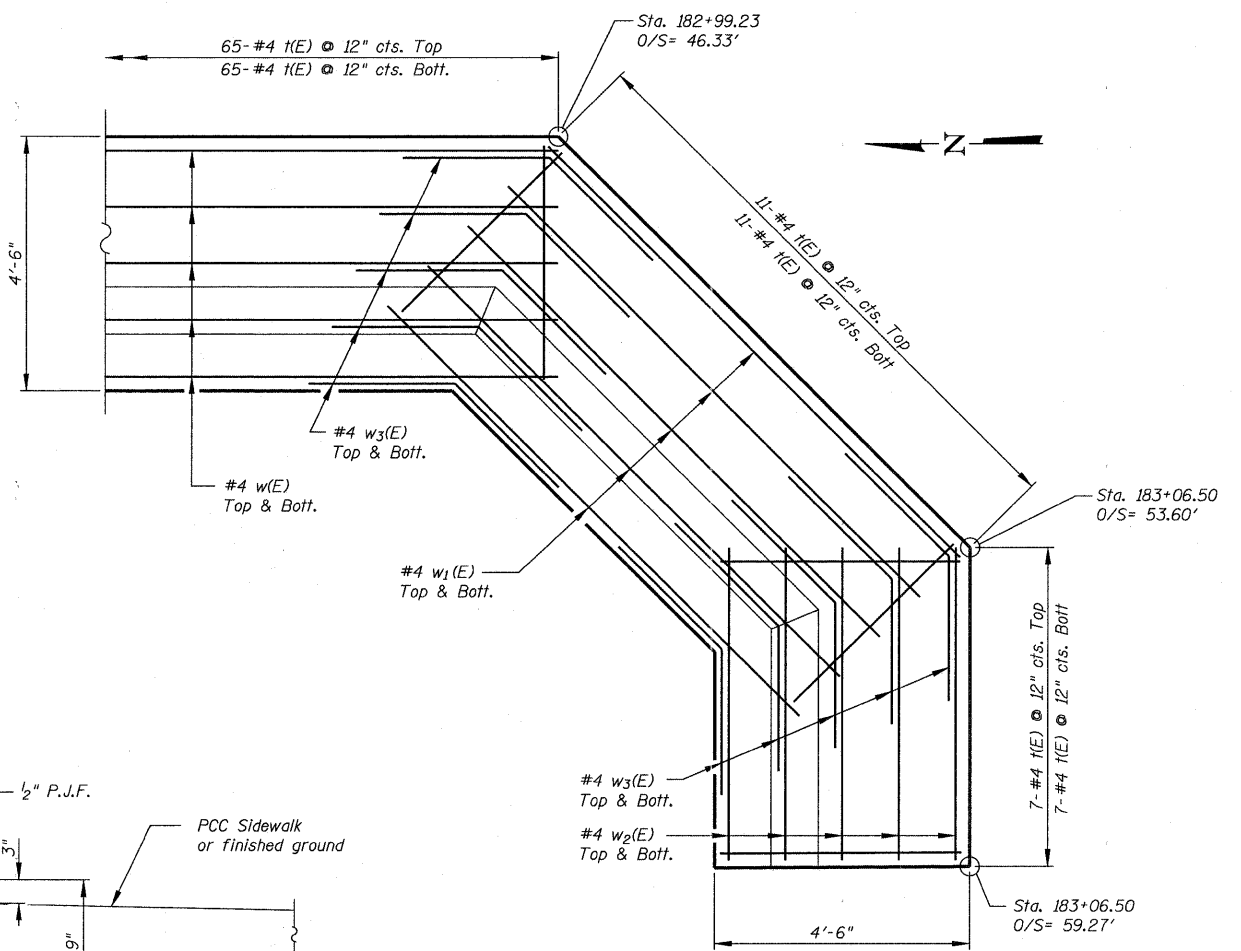
SPREAD FOOTING DATA

Maximum Soil Bearing Pressure = 3,000 psf
Maximum Applied Soil Bearing Pressure = 1,900 psf

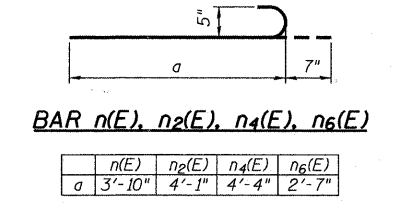
LEGEND:

- F.F. Front Face
- B.F. Back Face
- E.E. Each Face
- T/W Top of Wall
- B/W Bottom of Wall
- O/S Offset
- T.P. Turning Point
- F.G. Finished Grade

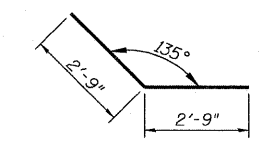
FILE NAME = F:\396-864 Pingree Road\CADD\Sheets\Idea	USER NAME = cesario	DESIGNED - ST	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION RETAINING WALL PLAN AND DETAILS		F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 42	
PLOT SCALE = 5/6,666667' = 1" IN.	FORMSET: D:\63519-shr-retwall.Ldgn	DRAWN - GM	REVISED -		SCALE: N.T.S.	SHEET NO. 42 OF 92 SHEETS	STA. TO STA.	CONTRACT NO. 63519				
PLOT DATE = 9/14/2011		CHECKED - ST	REVISED -		ILLINOIS FED. AID PROJECT							
		DATE - 08-29-2011	REVISED -									



Notes:
 Reinforcement Bars designated (E) shall be epoxy coated.
 Reinforcement Bars shall conform to the requirements of ASTM A 706 Gr 60. See Special Provisions.
 Exposed edges of wall shall have 3/4" chamfers unless otherwise noted.



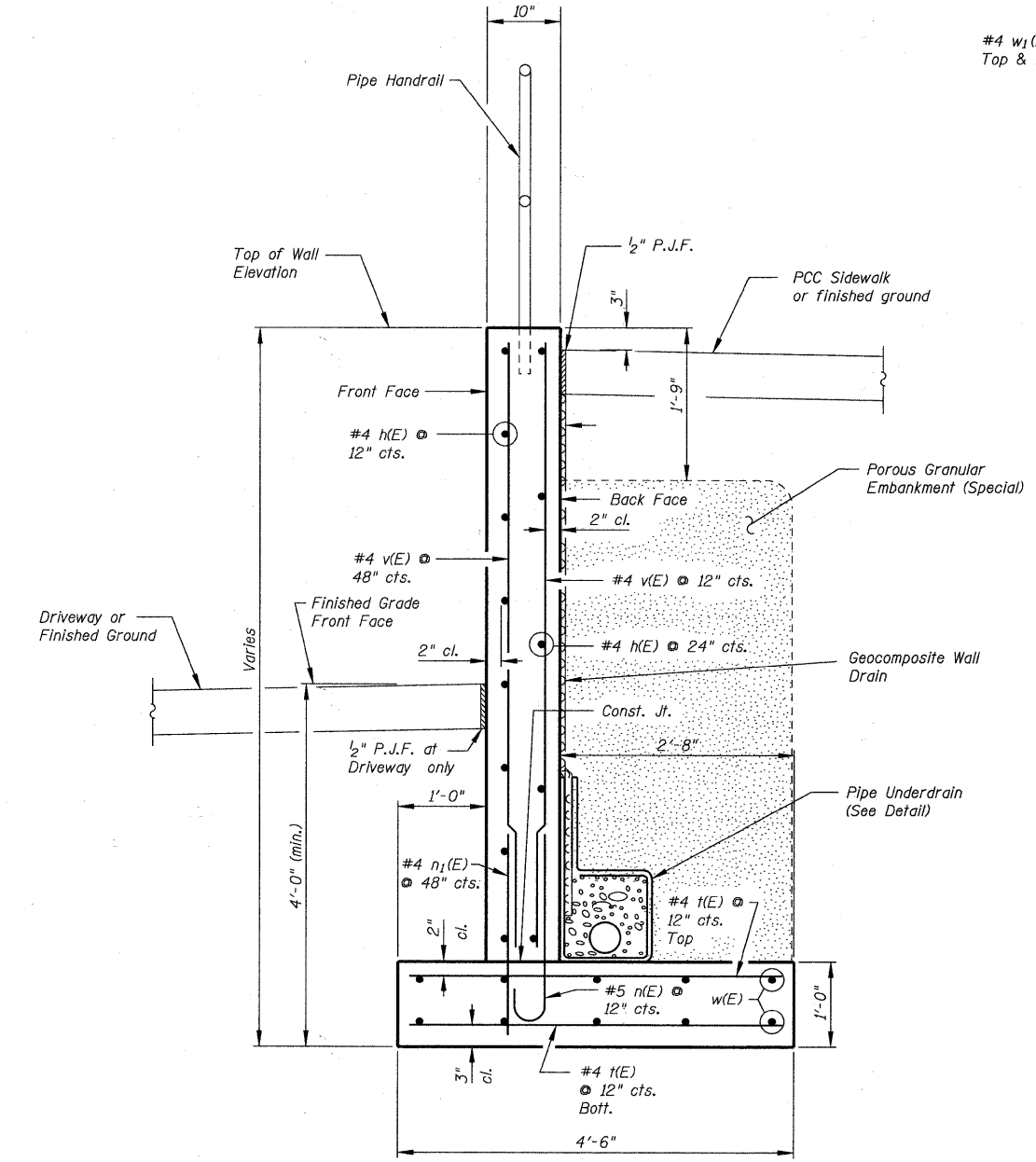
BAR n(E), n2(E), n4(E), n6(E)



BAR w3(E)

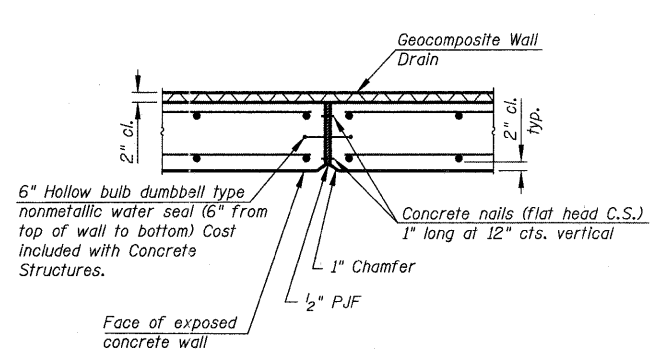
BILL OF MATERIAL

Bar	No.	Size	Length	Shape
h(E)	20	4	23'-5"	
n1(E)	11	4	20'-8"	
n2(E)	11	4	9'-11"	
n3(E)	11	4	3'-11"	
n(E)	44	5	4'-5"	
n1(E)	10	4	3'-10"	
n2(E)	22	5	4'-8"	
n3(E)	5	4	4'-1"	
n4(E)	8	5	4'-11"	
n5(E)	3	4	4'-4"	
n6(E)	5	5	4'-6"	
n7(E)	2	4	3'-11"	
v(E)	166	4	4'-3"	
v1(E)	27	4	5'-1"	
v2(E)	27	4	5'-5"	
v3(E)	11	4	5'-9"	
v4(E)	7	4	5'-0"	
w(E)	20	4	33'-5"	
w1(E)	10	4	10'-0"	
w2(E)	10	4	5'-3"	
w3(E)	20	4	5'-6"	
Reinforcement Bars, Epoxy Coated	Pound		2450	
Structure Excavation	Cu. Yd.		104	
Concrete Structures	Cu. Yd.		26.7	
Pipe Underdrains for Structures, 4"	Foot		76	
Porous Granular Embankment (Special)	Cu. Yd.		31	
Pipe Handrail	Lin. Ft.		75	
Geocomposite Wall Drain	Sq. Yd.		35	
Protective Coat	Sq. Yd.		31	

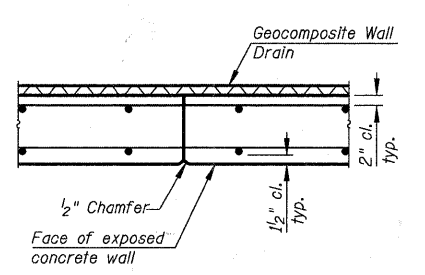


TYPICAL SECTION

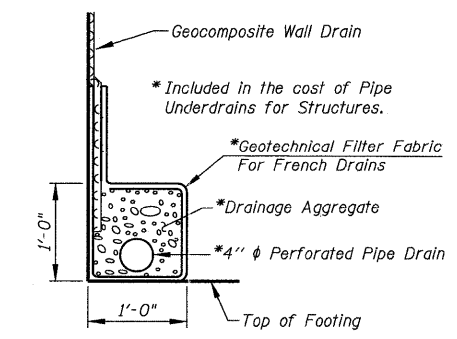
PARTIAL FOOTING PLAN



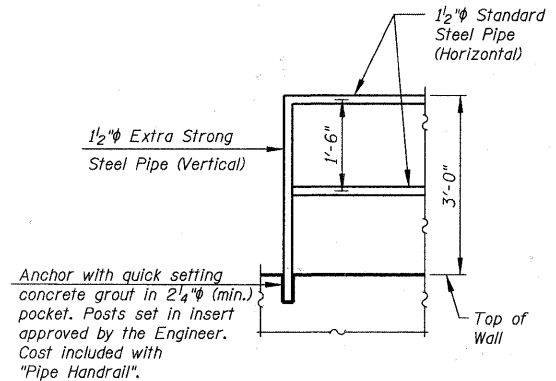
EXPANSION JOINT



CONSTRUCTION JOINT



PIPE UNDERDRAIN DETAIL

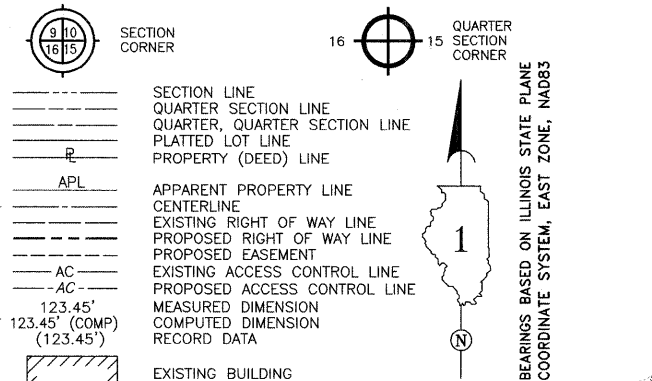


RAILING DETAIL

Notes:
 Handrail shall conform to the requirements of Section 509 of the Standard Specifications.
 The Pipe Handrail shall be painted in accordance with Section 506 of the Standard Specifications. The finish coat shall be black.
 All steel pipe to be ASTM A53.
 Profile of railing shall follow the profile of the top of the wall.
 The unit cost per lineal foot for Pipe Handrail shall include furnishing and installing the posts, sleeves, fittings, grout, pipe, primer and paint.

PART OF THE NE 1/4 SECTION 4 IN TOWNSHIP 43 NORTH, RANGE 8 EAST OF THE 3rd PM, ALGONQUIN TOWNSHIP, MCHENRY COUNTY, ILLINOIS.

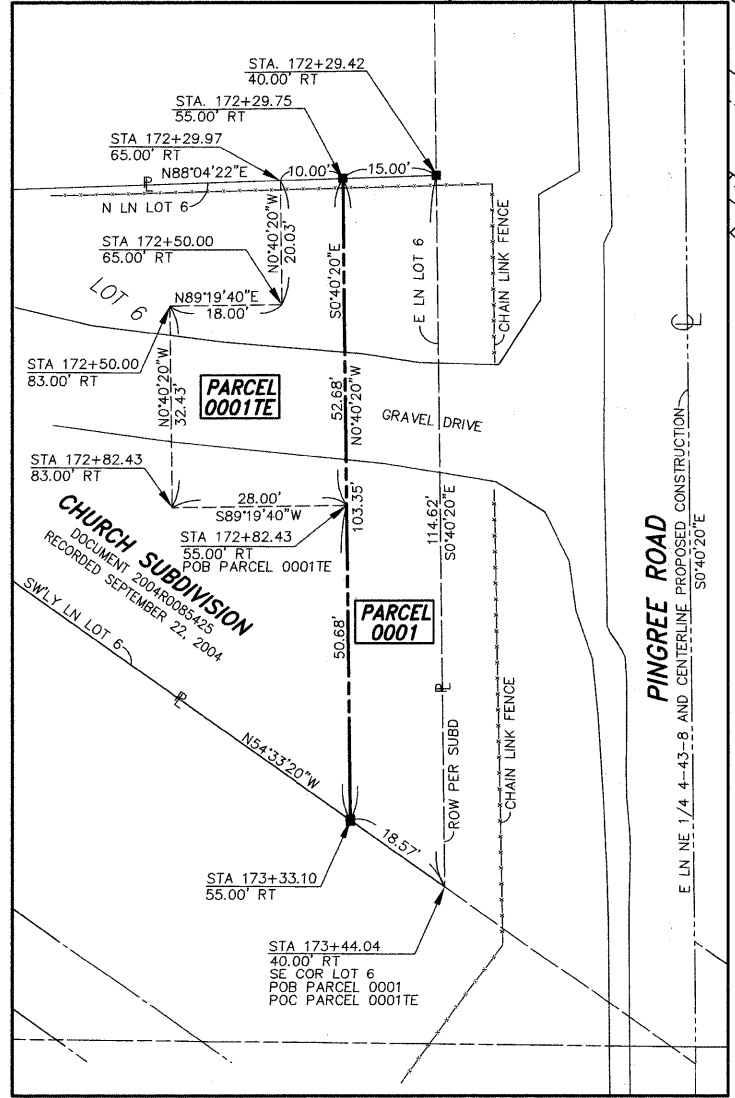
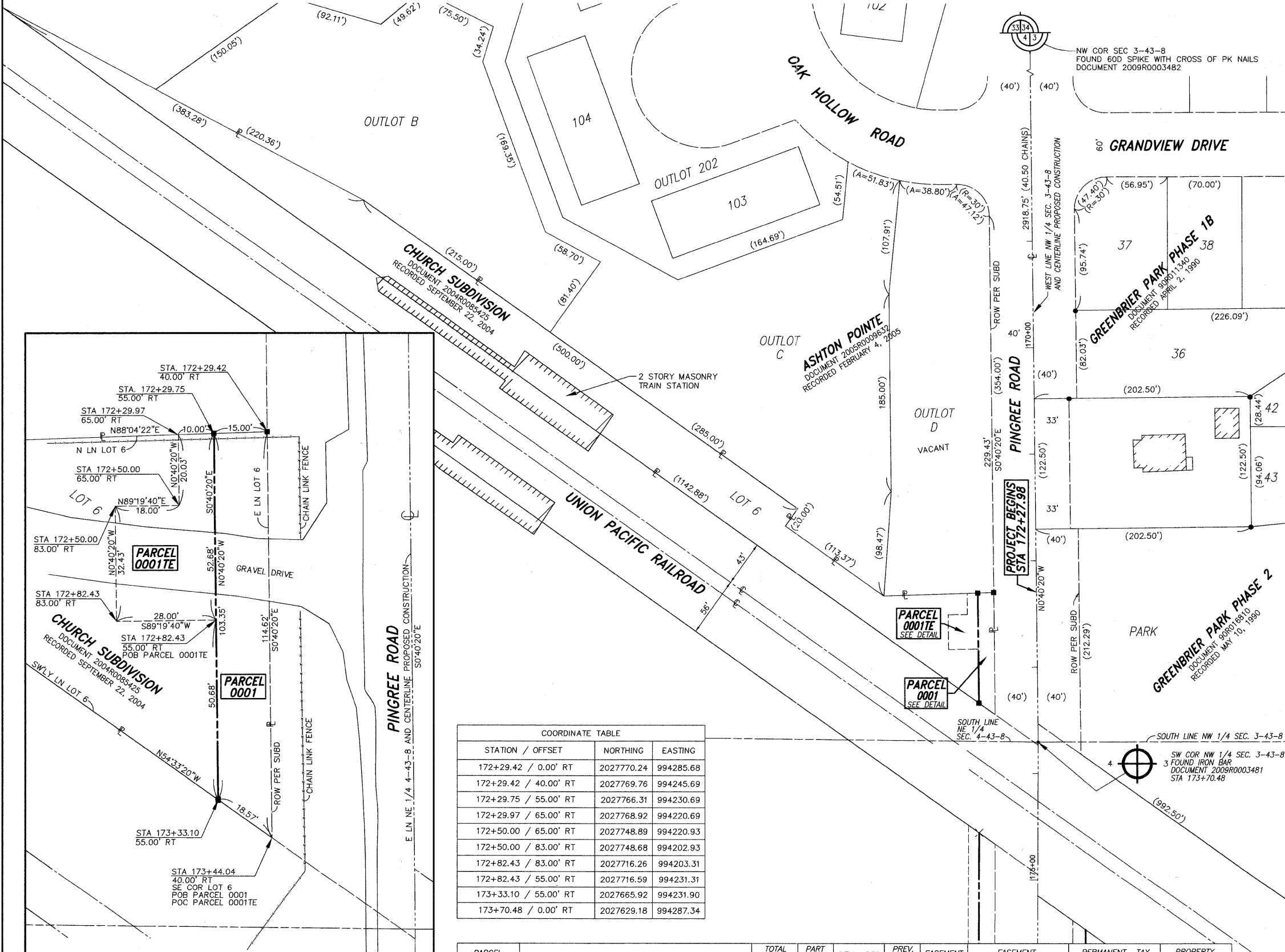
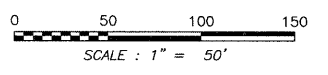
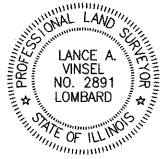
LEGEND



- IRON PIPE OR ROD FOUND ○ SET 5/8" x 30" REBAR
- + CUT CROSS FOUND OR SET ● PK FOUND PK NAIL ○ PK SET PK NAIL
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED
- T3 BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY.
- SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN.
- IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
- BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY
- MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS
- PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- TREE DECIDUOUS
- TREE CONIFEROUS

STATE OF ILLINOIS } SS
 COUNTY OF DUPAGE }
 THIS IS TO CERTIFY THAT I, LANCE A. VINSEL, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 43 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, MCHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND CORRECT AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 26th DAY OF AUGUST 2011 A.D.
 Lance A. Vinsel
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2891
 LICENSE EXPIRATION DATE NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

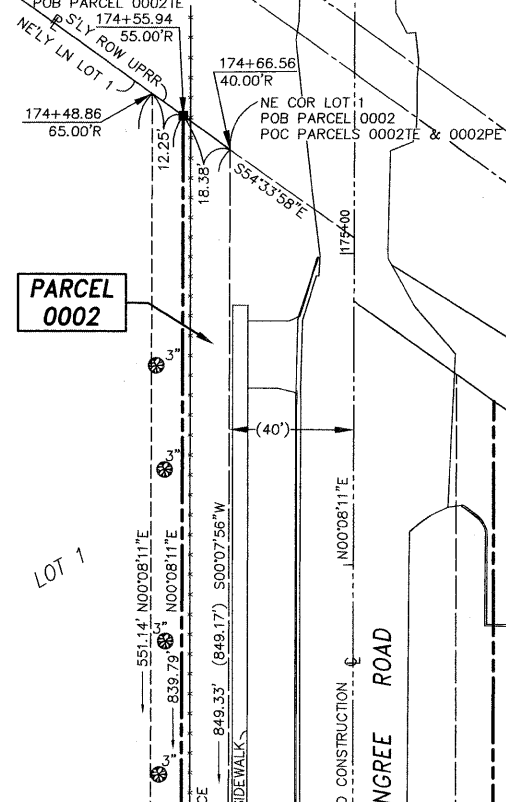
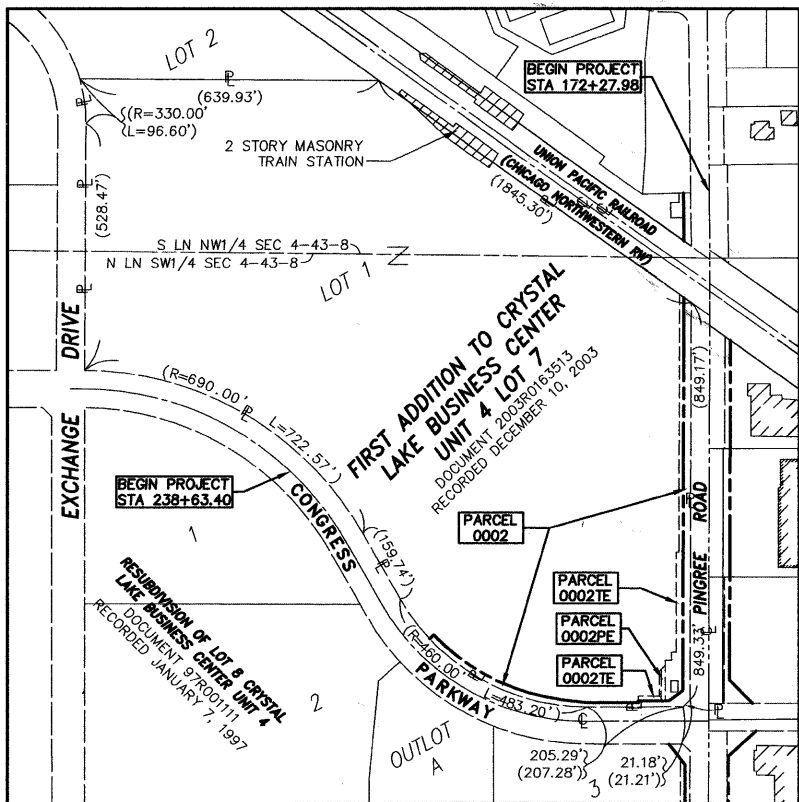


DETAIL PARCEL 0001 & 0001TE
 SCALE: 1" = 15'

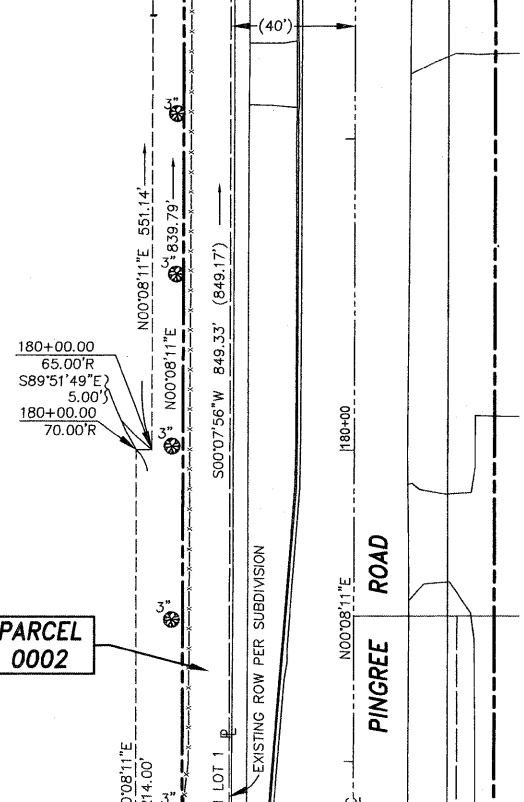
COORDINATE TABLE		
STATION / OFFSET	NORTHING	EASTING
172+29.42 / 0.00' RT	2027770.24	994285.68
172+29.42 / 40.00' RT	2027769.76	994245.69
172+29.75 / 55.00' RT	2027766.31	994230.69
172+29.97 / 65.00' RT	2027768.92	994220.69
172+50.00 / 65.00' RT	2027748.89	994220.93
172+50.00 / 83.00' RT	2027748.68	994202.93
172+82.43 / 83.00' RT	2027716.26	994203.31
172+82.43 / 55.00' RT	2027716.59	994231.31
173+33.10 / 55.00' RT	2027665.92	994231.90
173+70.48 / 0.00' RT	2027629.18	994287.34

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. USED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
PARCEL 0001	COMMUTER RAIL DIVISION OF THE REGIONAL TRANSPORTATION AUTHORITY	1.057	0.037	1.020		0.025	DRIVEWAY RECONSTRUCTION	19-04-276-028	
PARCEL 0001TE									

PART OF THE E 1/2 SECTION 4 IN TOWNSHIP 43 NORTH, RANGE 8 EAST OF THE 3rd PM, ALGONQUIN TOWNSHIP, McHENRY COUNTY, ILLINOIS.

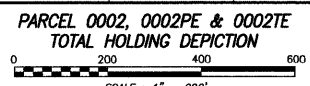


STATION / OFFSET	NORTHING	EASTING
173+70.48 / 0.00' LT	2027629.18	994287.34
174+55.97 / 55.00' RT	2027543.86	994232.14
174+48.86 / 65.00' RT	2027550.96	994222.15
180+00.00 / 65.00' RT	2026999.82	994220.84
180+00.00 / 70.00' RT	2026999.83	994215.84
182+14.00 / 70.00' RT	2026785.83	994215.33
182+14.00 / 80.00' RT	2026785.86	994205.33
182+31.48 / 80.00' RT	2026768.30	994205.29
182+31.56 / 93.00' RT	2026768.33	994192.29
182+42.81 / 93.00' RT	2026757.08	994192.26
182+51.31 / 101.50' RT	2026748.60	994183.74
182+54.81 / 105.00' RT	2026745.11	994180.23
182+95.73 / 55.00' RT	2026704.07	994230.14
183+61.35 / 0.00' LT	2026638.31	994284.98
243+35.00 / 37.48' LT	2026813.79	993688.83
243+35.00 / 50.00' LT	2026821.61	993697.13
246+32.00 / 44.00' LT	2026683.67	993971.16
247+38.00 / 40.00' LT	2026677.57	994022.79
248+50.00 / 40.00' LT	2026677.94	994134.88
248+50.00 / 44.00' LT	2026681.94	994134.87
248+50.00 / 54.00' LT	2026691.94	994134.84
248+95.26 / 54.00' LT	2026692.05	994180.11
248+98.71 / 44.00' LT	2026682.06	994183.58
249+07.21 / 44.00' LT	2026682.08	994192.08
249+15.00 / 44.00' LT	2026682.10	994199.87



LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO TIE FOUND IRON STAKE, IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- T3 BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO TIE FOUND IRON STAKE.
- BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY. SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS. BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION, IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- PERMANENT SURVEY MARKER, IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- TREE DECIDUOUS
- TREE CONIFEROUS
- STATE OF ILLINOIS } SS
- COUNTY OF DUPAGE } SS



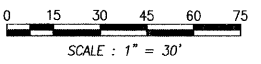
CENTERLINE PROPOSED CONSTRUCTION
 CURVE DATA
 Δ = 60°28'50"
 R = 500.00
 L = 527.79
 T = 291.48
 C = 503.63
 CB = S59°54'07"E
 PC STA 242+07.56
 N = 2026890.21
 E = 993584.61
 PI STA 244+99.04
 N = 2026636.93
 E = 993728.86
 PT STA 247+35.35
 N = 2026637.66
 E = 994020.33

FIRST ADDITION TO CRYSTAL LAKE BUSINESS CENTER UNIT & LOT 7
 DOCUMENT 2005R0163513
 RECORDED DECEMBER 10, 2003

FIRST ADDITION TO CRYSTAL LAKE BUSINESS CENTER UNIT & LOT 7
 DOCUMENT 2005R0163513
 RECORDED DECEMBER 10, 2003

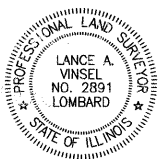
LINE NAME	BEARING	DISTANCE
A	S44°53'07"W	21.18' (21.21')
B	N54°01'52"E	37.40'
C	N45°08'11"E	16.97'
D	N00°08'11"E	11.25'
E	S89°51'49"E	13.00'
F	N00°08'11"E	17.56'
G	S89°51'27"W	7.78'
H	S89°51'27"W	8.50'
J	N00°08'11"E	66.54'
K	N45°08'11"E	12.02'
L	S00°08'11"W	75.00'
M	N00°08'11"E	53.06'

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. USED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
PARCEL 0002		26.639	0.463	26.176					
PARCEL 0002PE	THE COMMUTER RAIL DIVISION OF THE REGIONAL TRANSPORTATION AUTHORITY					0.014	INGRESS, EGRESS AND MAINTENANCE TO BENEFIT SEWER EASEMENT DOC 971354	19-04-426-002	
PARCEL 0002TE						0.306	CONSTRUCTION		



THIS IS TO CERTIFY THAT I, LANCE A. VINSEL, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 43 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, ILLINOIS; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT LOMBARD, ILLINOIS THIS 20th DAY OF AUGUST 2011 A.D.



LANCE A. VINSEL
 ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2891
 LICENSE EXPIRATION DATE NOVEMBER 30, 2012
 THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

MILLENNIA PROFESSIONAL SERVICES
 200 WEST 22ND STREET, SUITE 216
 LOMBARD, ILLINOIS 60148

PLAT OF HIGHWAYS
 STATE OF ILLINOIS
 McHENRY COUNTY
 CITY OF CRYSTAL LAKE
 PINGREE ROAD

SECTION: 95-0090-01-FP McHENRY COUNTY
 PROJECT: M-9003(661) JOB NO.: R-55-001-97
 STATION 174+48.86 TO STATION 183+61.35
 SCALE: 1"=30' SHEET 2 OF 5

PART OF THE SW 1/4 SECTION 3 IN TOWNSHIP 43 NORTH, RANGE 8 EAST OF THE 3rd PM, ALGONQUIN TOWNSHIP, McHENRY COUNTY, ILLINOIS.



PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. USED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
PARCEL 0004 PARCEL 0004TE	G&S VENTURE, LLC, AN ILLINOIS LIMITED LIABILITY COMPANY	5.278	0.216	5.062	0.019	0.067	CONSTRUCTION	19-03-301-007 19-03-301-008	

LEGEND

SECTION CORNER 9 10 16 15

QUARTER SECTION CORNER 16 15

SECTION LINE
QUARTER SECTION LINE
QUARTER, QUARTER SECTION LINE
PLATTED LOT LINE
PROPERTY (DEED) LINE

APL
APPARENT PROPERTY LINE
CENTERLINE
EXISTING RIGHT OF WAY LINE
PROPOSED RIGHT OF WAY LINE
PROPOSED EASEMENT
EXISTING ACCESS CONTROL LINE
PROPOSED ACCESS CONTROL LINE
MEASURED DIMENSION
COMPUTED DIMENSION
RECORD DATA

123.45'
123.45' (COMP)
(123.45')

EXISTING BUILDING

IRON PIPE OR ROD FOUND
CUT CROSS FOUND OR SET

SET 5/8" x 30" REBAR
FOUND PK NAIL
SET PK NAIL

T1 THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
T2 SET 5/8 INCH REBAR FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
T3 BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.

BT1 THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
BT2 BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE.
BT3 IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

STAKING OF PROPOSED RIGHT OF WAY.
SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN. IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS PROFESSIONAL NUMBER.

M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS.
BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.

PERMANENT SURVEY MARKER. DOT STD. 2135 (TO BE SET BY OTHERS)
RIGHT OF WAY STAKING PROPOSED TO BE SET.
TREE DECIDUOUS
TREE CONIFEROUS

STATE OF ILLINOIS }
COUNTY OF DUPAGE } SS

THIS IS TO CERTIFY THAT I, LANCE A. VINSEL, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 43 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND CORRECT AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

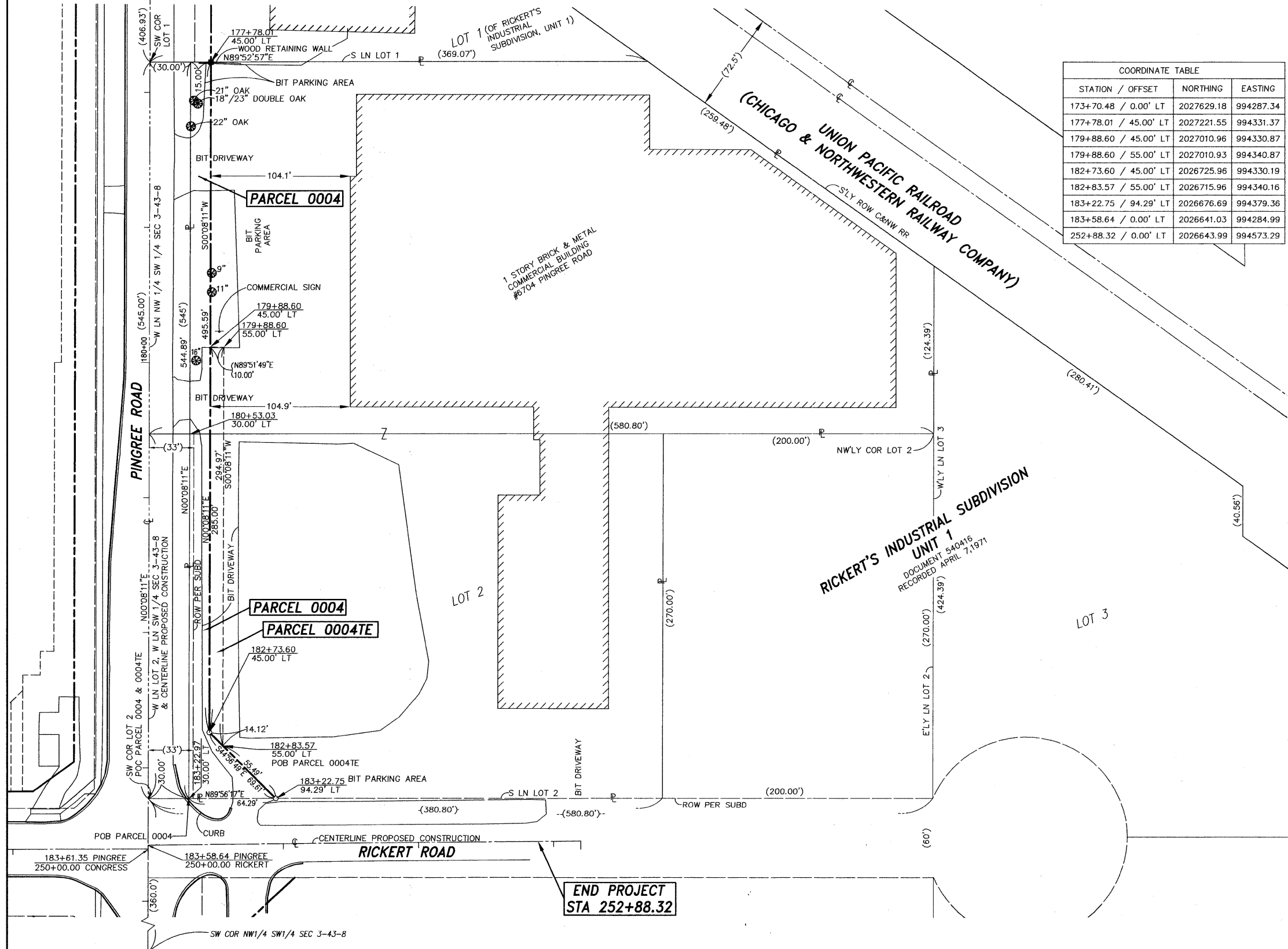
DATED AT LOMBARD, ILLINOIS THIS 20th DAY OF AUGUST 2011 A.D.

Lance A. Vinsel
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2891
LICENSE EXPIRATION DATE NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.

0 20 40 60 80 100
SCALE: 1" = 40'

COORDINATE TABLE

STATION / OFFSET	NORTHING	EASTING
173+70.48 / 0.00' LT	2027629.18	994287.34
177+78.01 / 45.00' LT	2027221.55	994331.37
179+88.60 / 45.00' LT	2027010.96	994330.87
179+88.60 / 55.00' LT	2027010.93	994340.87
182+73.60 / 45.00' LT	2026725.96	994330.19
182+83.57 / 55.00' LT	2026715.96	994340.16
183+22.75 / 94.29' LT	2026676.69	994379.36
183+58.64 / 0.00' LT	2026641.03	994284.99
252+88.32 / 0.00' LT	2026643.99	994573.29



FILE NAME = sheet2_rev3	USER NAME = lvinsel	DESIGNED - LV	REVISED - ---	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD RECONSTRUCTION PLAT OF HIGHWAYS	F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 46	
	PLOT SCALE = 1:1	DRAWN - LV	REVISED - ---			SCALE: -----	SHEET NO. 46 OF 92 SHEETS	STA. ----- TO STA. -----	FED. ROAD DIST. NO. - [ILLINOIS] FED. AID PROJECT		
	PLOT DATE = 08/26/11	CHECKED - CB	REVISED - ---								
		DATE - -----	REVISED - ---								

MILLENNIA PROFESSIONAL SERVICES
200 WEST 22ND STREET, SUITE 216
LOMBARD, ILLINOIS 60148

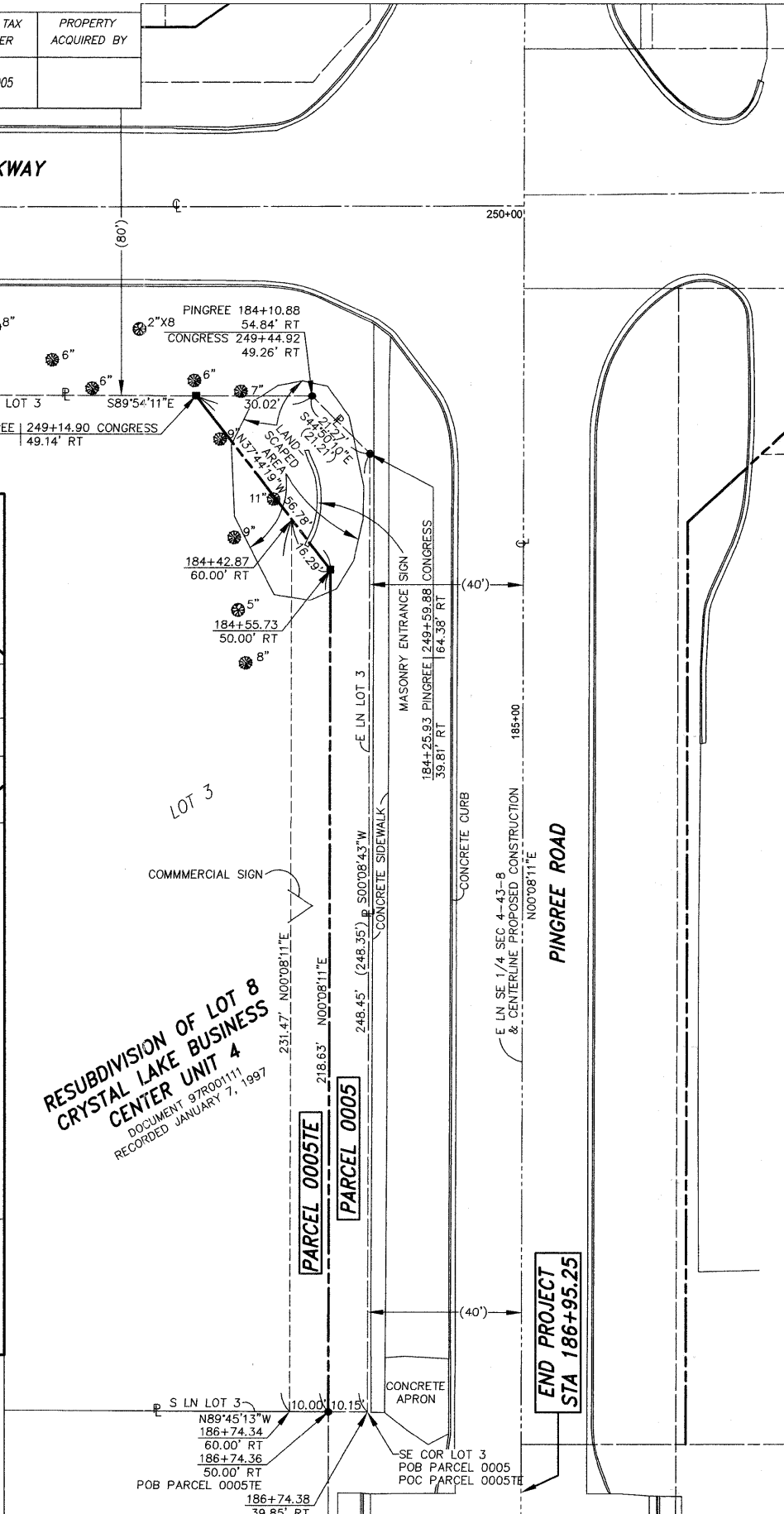
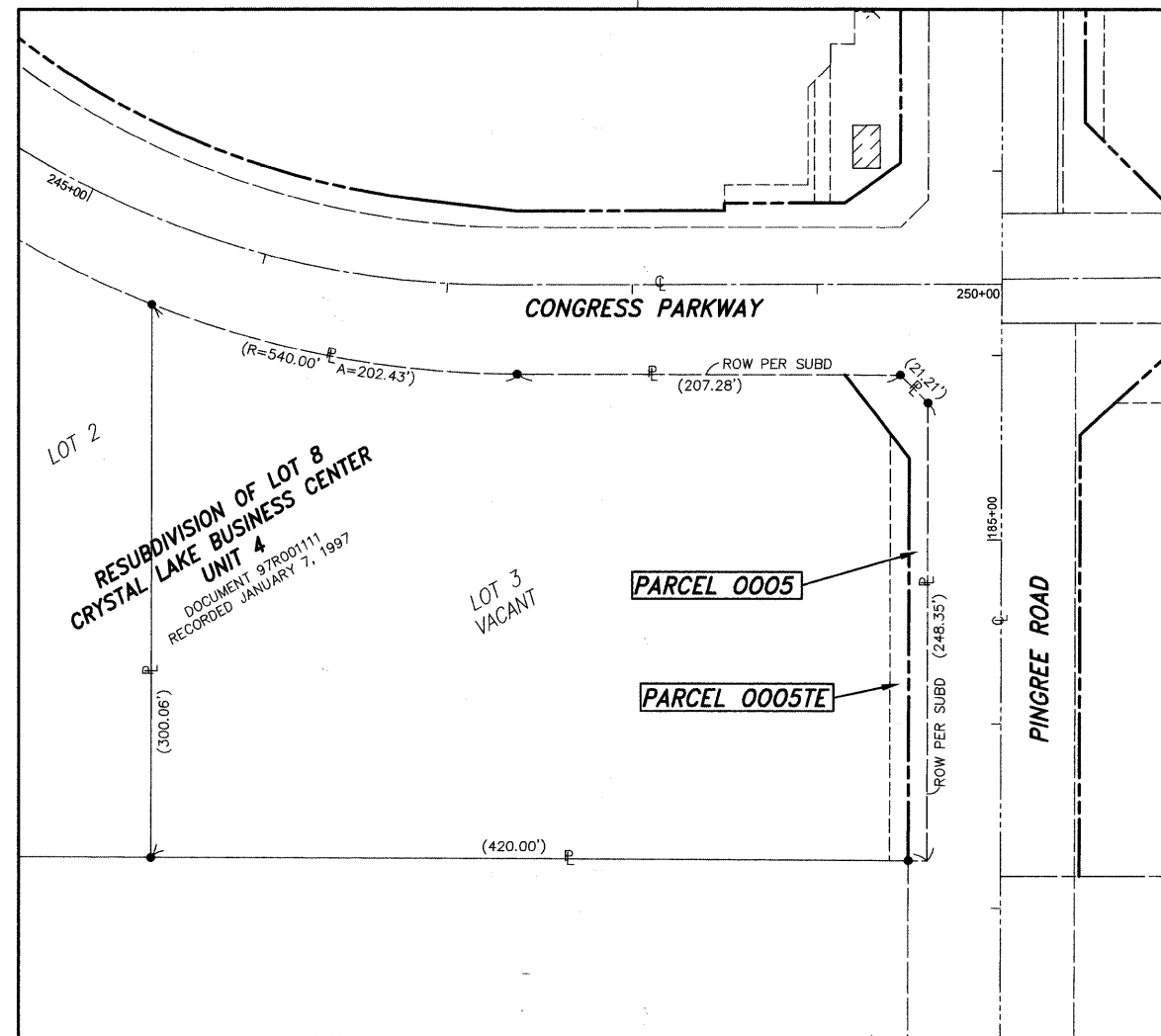
PLAT OF HIGHWAYS
STATE OF ILLINOIS
McHENRY COUNTY
CITY OF CRYSTAL LAKE
PINGREE ROAD

SECTION: 95-0090-01-FP McHENRY COUNTY
PROJECT: M-9003(661) JOB NO.: R-55-001-97
STATION 177+78.01 TO STATION 183+58.64
SCALE: 1" = 40' SHEET 3 OF 5

PART OF THE SE 1/4 SECTION 4 IN TOWNSHIP 43 NORTH, RANGE 8 EAST OF THE 3rd PM, ALGONQUIN TOWNSHIP, McHENRY COUNTY, ILLINOIS.

PARCEL NUMBER	OWNER	TOTAL HOLDING ACRES	PART TAKEN ACRES	REMAINDER ACRES	PREV. USED ACRES	EASEMENT ACRES	EASEMENT PURPOSE	PERMANENT TAX INDEX NUMBER	PROPERTY ACQUIRED BY
PARCEL 0005 & 0005TE	KLUTIM ALMOVSKI AND NIKAIL HALIMI, IN JOINT TENANCY	2.590	0.077	2.513	0.019	0.052	CONSTRUCTION	19-04-427-005	

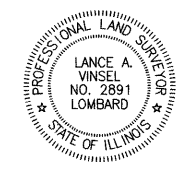
COORDINATE TABLE		
STATION / OFFSET	NORTHING	EASTING
184+10.91 / 84.86' RT	2026588.96	994200.00
184+42.87 / 60.00' RT	2026556.94	994224.79
184+55.73 / 50.00' RT	2026544.06	994234.75
186+74.34 / 60.00' RT	2026325.47	994224.23
186+74.36 / 50.00' RT	2026325.43	994234.28



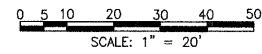
LEGEND

- SECTION CORNER
- QUARTER SECTION CORNER
- SECTION LINE
- QUARTER SECTION LINE
- QUARTER, QUARTER SECTION LINE
- PLATTED LOT LINE
- PROPERTY (DEED) LINE
- APL
- APPARENT PROPERTY LINE
- CENTERLINE
- EXISTING RIGHT OF WAY LINE
- PROPOSED RIGHT OF WAY LINE
- PROPOSED EASEMENT
- EXISTING ACCESS CONTROL LINE
- PROPOSED ACCESS CONTROL LINE
- MEASURED DIMENSION
- COMPUTED DIMENSION
- RECORD DATA
- EXISTING BUILDING
- IRON PIPE OR ROD FOUND
- CUT CROSS FOUND OR SET
- SET 5/8" x 30" REBAR
- FOUND PK NAIL
- SET PK NAIL
- THESE STAKES REFERENCE FOUND OR SET MONUMENTATION.
- SET 5/8 INCH REBAR FLUSH WITH GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP AND BEARING SURVEYORS PROFESSIONAL NUMBER.
- THESE STAKES, IN CULTIVATED AREAS, REFERENCE FOUND OR SET MONUMENTATION.
- BURIED 5/8 INCH REBAR 20 INCHES BELOW GROUND TO THE FOUND IRON STAKE. IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS PROFESSIONAL NUMBER.
- STAKING OF PROPOSED RIGHT OF WAY.
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- PERMANENT SURVEY MARKER. IDOT STD. 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET.
- TREE DECIDUOUS
- TREE CONIFEROUS

- STATE OF ILLINOIS } SS
- COUNTY OF DUPAGE }
- THIS IS TO CERTIFY THAT I, LANCE A. VINSEL, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTIONS 3 AND 4, TOWNSHIP 43 NORTH, RANGE 8 EAST OF THE THIRD PRINCIPAL MERIDIAN, McHENRY COUNTY, ILLINOIS; THAT THE SURVEY IS TRUE AND CORRECT AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF; THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY; THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED. MADE FOR THE ILLINOIS DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.
- DATED AT LOMBARD, ILLINOIS THIS 26th DAY OF August 2011 A.D.



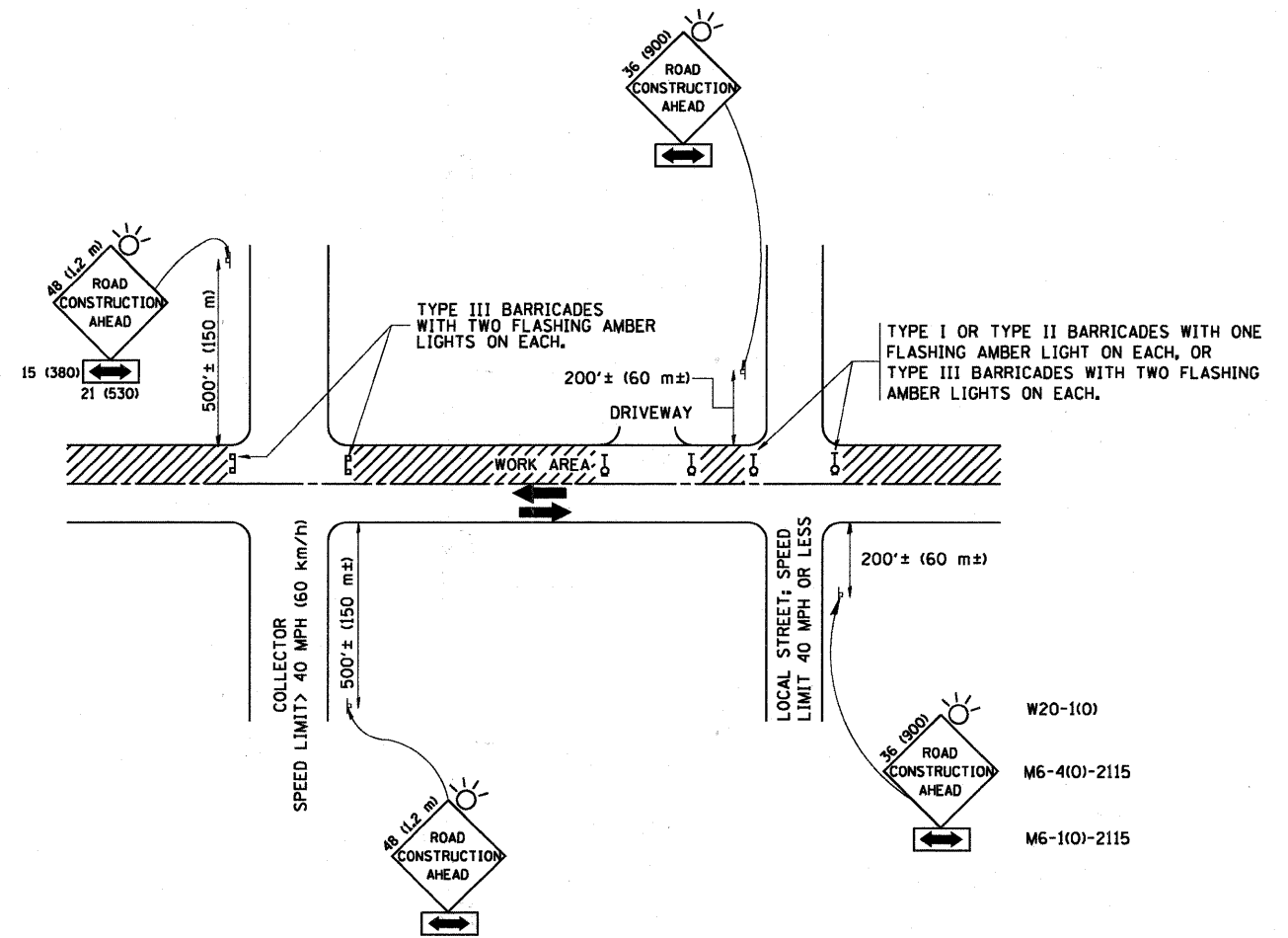
LANCE A. VINSEL
ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 2891
LICENSE EXPIRATION DATE NOVEMBER 30, 2012
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



MILLENNIA PROFESSIONAL SERVICES
200 WEST 22ND STREET, SUITE 216
LOMBARD, ILLINOIS 60148

PLAT OF HIGHWAYS
STATE OF ILLINOIS
McHENRY COUNTY
CITY OF CRYSTAL LAKE
PINGREE ROAD

SECTION: 95-0090-01-FP McHENRY COUNTY
PROJECT: M-9003(661) JOB NO.: R-55-001-97
STATION 184+10.91 TO STATION 186+95.25
SCALE: 1"=20' SHEET 4 OF 5



TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

NOTES:

A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS

1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.

2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:

a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.

b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.

3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).

B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:

USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.

C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.

D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

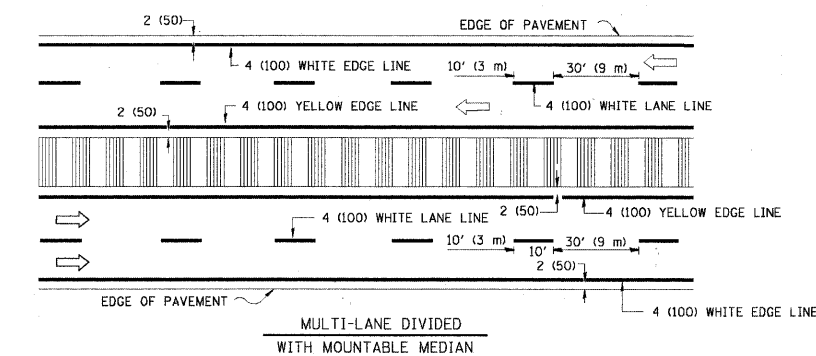
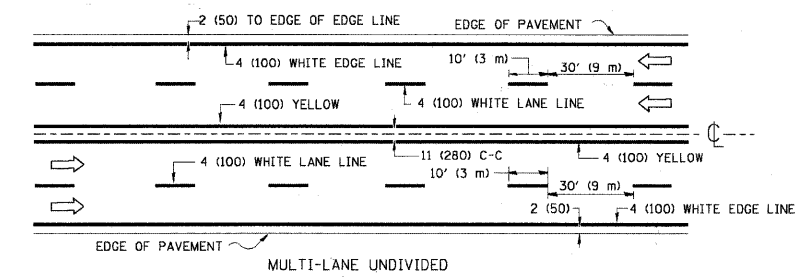
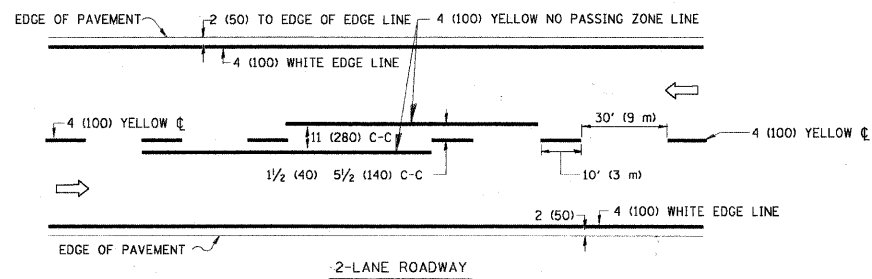
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		DRAWN -	REVISED - A. HOUSEH 03-06-96
	PLOT SCALE = 50,000' / IN.	CHECKED -	REVISED - A. HOUSEH 10-15-96
	PLOT DATE = 1/4/2008	DATE - 08-29-2011	REVISED - T. RAMMACHER 01-06-00

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL AND PROTECTION FOR
SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS

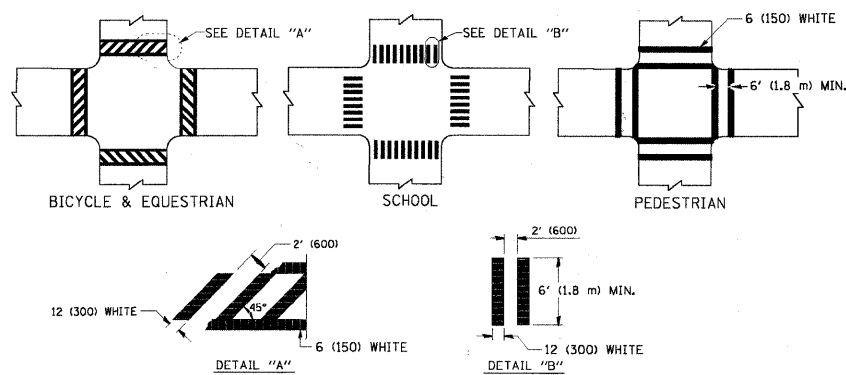
F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	McHENRY	92	49
TC-10			CONTRACT NO. 63519	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.

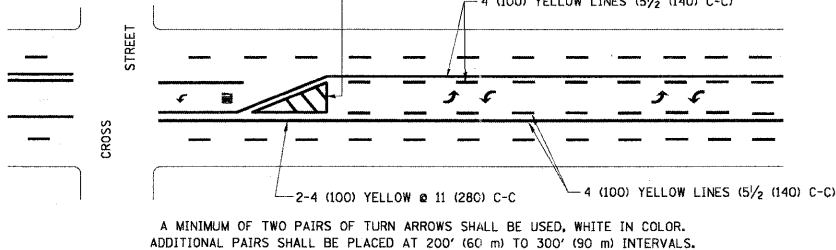
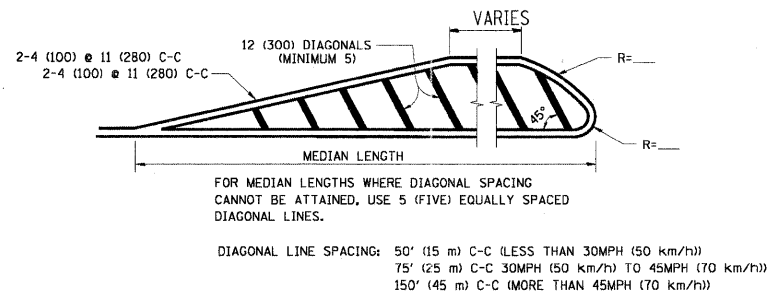
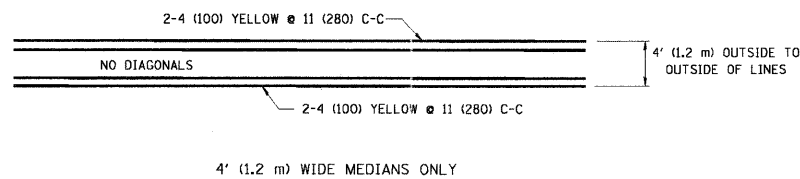


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING



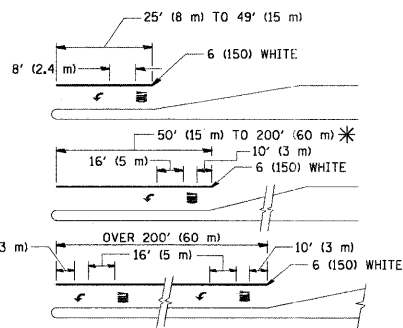
TYPICAL CROSSWALK MARKING



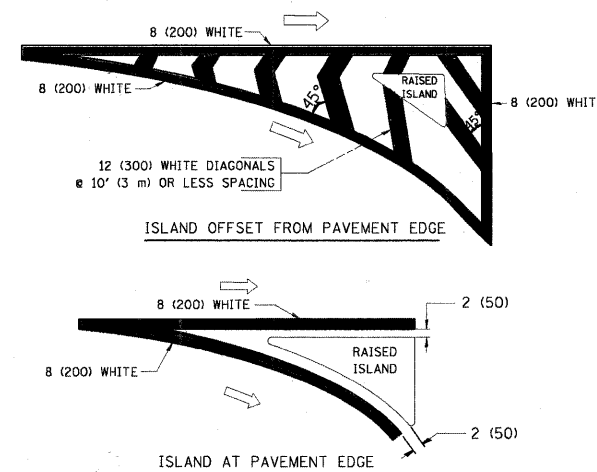
TYPICAL PAINTED MEDIAN MARKING



TYPICAL PAINTED MEDIAN MARKING



TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

TYPE OF MARKING	WIDTH OF LINE	PATTERN	COLOR	SPACING / REMARKS
CENTERLINE ON 2 LANE PAVEMENT	4 (100)	SKIP-DASH	YELLOW	10' (3 m) LINE WITH 30' (9 m) SPACE
CENTERLINE ON MULTI-LANE UNDIVIDED PAVEMENT	2 @ 4 (100)	SOLID	YELLOW	11 (280) C-C
NO PASSING ZONE LINES: FOR ONE DIRECTION FOR BOTH DIRECTIONS	4 (100) 2 @ 4 (100)	SOLID SOLID	YELLOW YELLOW	5 1/2 (140) C-C FROM SKIP-DASH CENTERLINE 11 (280) C-C OMIT SKIP-DASH CENTERLINE BETWEEN
LANE LINES	4 (100) 5 (125) ON FREEWAYS	SKIP-DASH SKIP-DASH	WHITE WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE
DOTTED LINES (EXTENSIONS OF CENTER, LANE OR TURN LANE MARKINGS)	SAME AS LINE BEING EXTENDED	SKIP-DASH	SAME AS LINE BEING EXTENDED	2' (600) LINE WITH 6' (1.8 m) SPACE
EDGE LINES	4 (100)	SOLID	YELLOW-LEFT WHITE-RIGHT	OUTLINE MOUNTABLE MEDIANS IN YELLOW; EDGE LINES ARE NOT USED NEXT TO BARRIER CURB
TURN LANE MARKINGS	6 (150) LINE; FULL SIZE LETTERS & SYMBOLS (8' (2.4m))	SOLID	WHITE	SEE TYPICAL TURN LANE MARKING DETAIL
TWO WAY LEFT TURN MARKING	2 @ 4 (100) EACH DIRECTION 8' (2.4m) LEFT ARROW	SKIP-DASH AND SOLID IN PAIRS	YELLOW WHITE	10' (3 m) LINE WITH 30' (9 m) SPACE FOR SKIP-DASH; 5 1/2 (140) C-C BETWEEN SOLID LINE AND SKIP-DASH LINE SEE TYPICAL TWO-WAY LEFT TURN MARKING DETAIL
CROSSWALK LINES (PEDESTRIAN) A. DIAGONALS (BIKE & EQUESTRIAN) B. LONGITUDINAL BARS (SCHOOL)	2 @ 6 (150) 12 (300) @ 45° 12 (300) @ 90°	SOLID SOLID SOLID	WHITE WHITE WHITE	NOT LESS THAN 6' (1.8 m) APART 2' (600) APART SEE TYPICAL CROSSWALK MARKING DETAILS.
STOP LINES	24 (600)	SOLID	WHITE	PLACE 4' (1.2 m) IN ADVANCE OF AND PARALLEL TO CROSSWALK, IF PRESENT; OTHERWISE, PLACE AT DESIRED STOPPING POINT. PARALLEL TO CROSSROAD CENTERLINE, WHERE POSSIBLE
PAINTED MEDIANS	2 @ 4 (100) WITH 12 (300) DIAGONALS @ 45° NO DIAGONALS USED FOR 4' (1.2 m) WIDE MEDIANS	SOLID	YELLOW: TWO WAY TRAFFIC WHITE: ONE WAY TRAFFIC	11 (280) C-C FOR THE DOUBLE LINE SEE TYPICAL PAINTED MEDIAN MARKING.
GORE MARKING AND CHANNELIZING LINES	8 (200) WITH 12 (300) DIAGONALS @ 45°	SOLID	WHITE	DIAGONALS: 15' (4.5 m) C-C (LESS THAN 30MPH (50 km/h)) 20' (6 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h) 30' (9 m) C-C (OVER 45MPH (70 km/h))
RAILROAD CROSSING	24 (600) TRANSVERSE LINES; "RR" 15 6' (1.8 m) LETTERS; 16 (400) LINE FOR "X"	SOLID	WHITE	SEE STATE STANDARD 780001 AREA OF: "R"=3.6 SQ. FT. (0.33 m ²) EACH "X"=54.0 SQ. FT. (5.0 m ²)
SHOULDER DIAGONALS	12 (300) @ 45°	SOLID	WHITE - RIGHT YELLOW - LEFT	50' (15 m) C-C (LESS THAN 30MPH (50 km/h)) 75' (25 m) C-C (30 MPH (50 km/h) TO 45MPH (70 km/h)) 150' (45 m) C-C (OVER 45MPH (70 km/h))

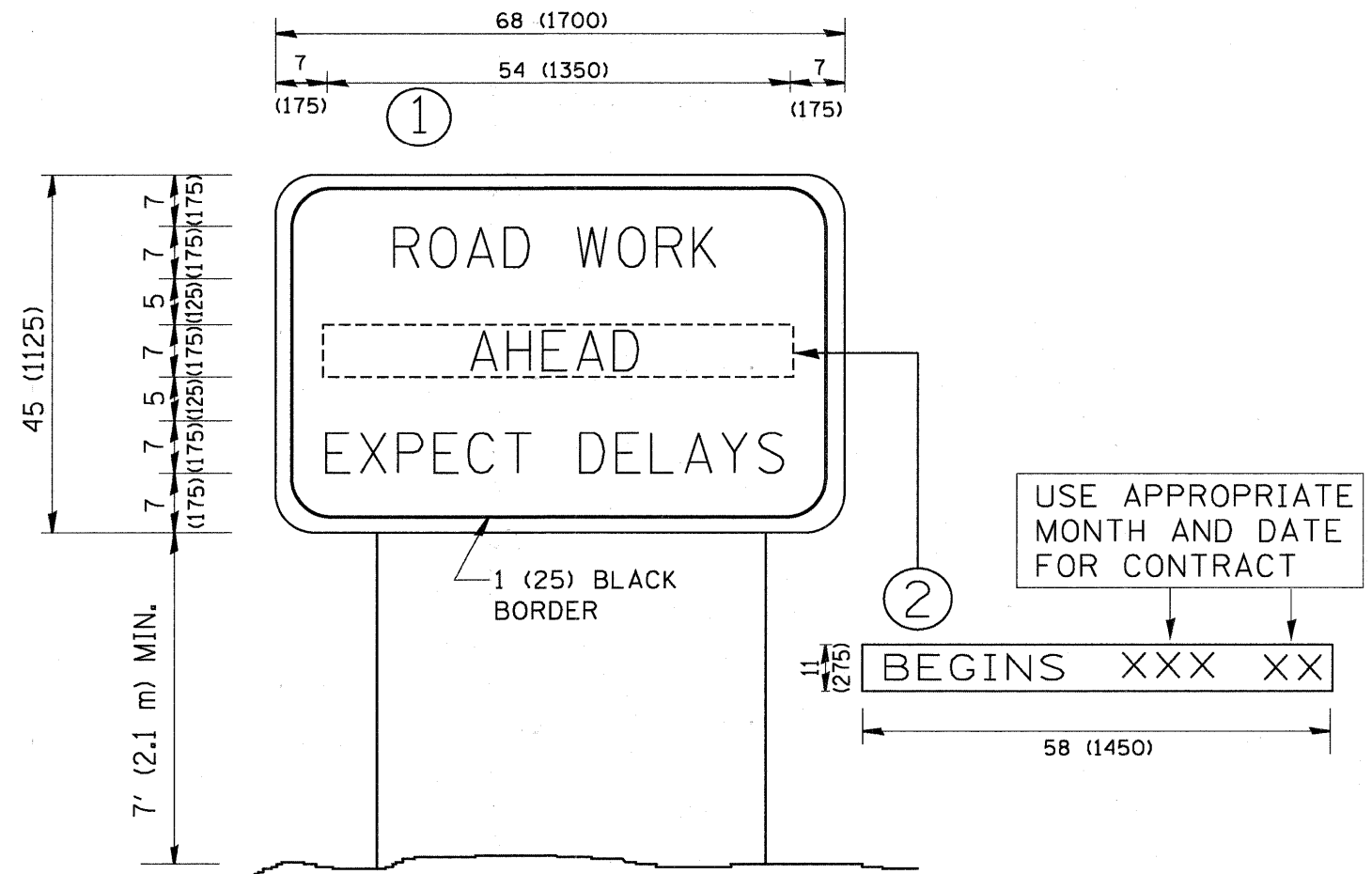
FOR FURTHER DETAILS ON PAVEMENT MARKING REFER TO STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION AND STATE STANDARD 780001.

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

FILE NAME =	USER NAME = drsvakosgn	DESIGNED - EVERS	REVISED -T. RAMMACHER 10-27-94
ei:\pwwork\pwwork\drsvakosgn\0108315\td	3.dgn	DRAWN -	REVISED -C. JUCCIUS 09-09-09
	PLOT SCALE = 50.000 1 / IN.	CHECKED -	REVISED -
	PLOT DATE = 9/9/2009	DATE - 08-29-2011	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE		F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
TYPICAL PAVEMENT MARKINGS		126	95-00090-01-FP	McHENRY	92	50
SCALE: NONE		SHEET NO. 1 OF 1 SHEETS		STA. TO STA.	CONTRACT NO. 63519	
FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT						

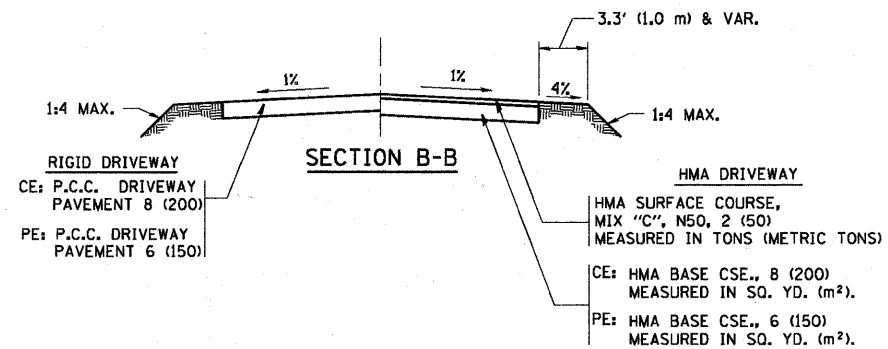
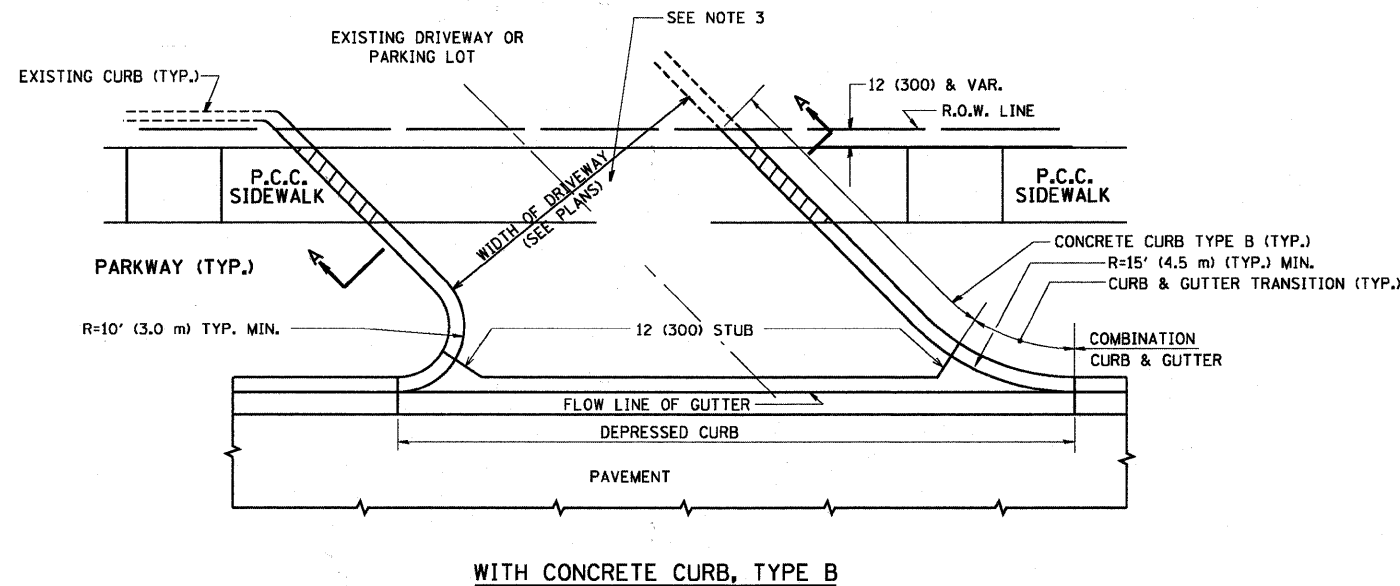
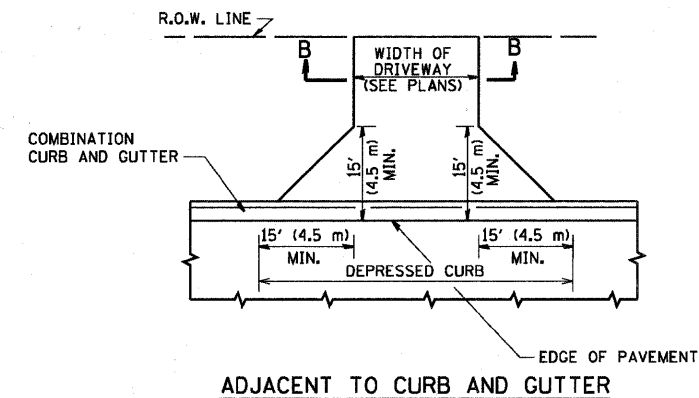
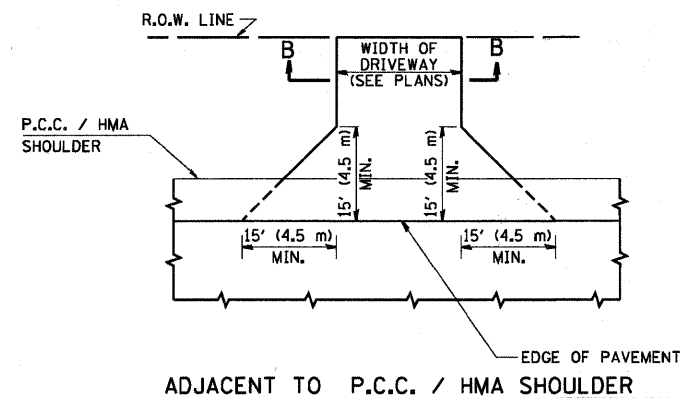
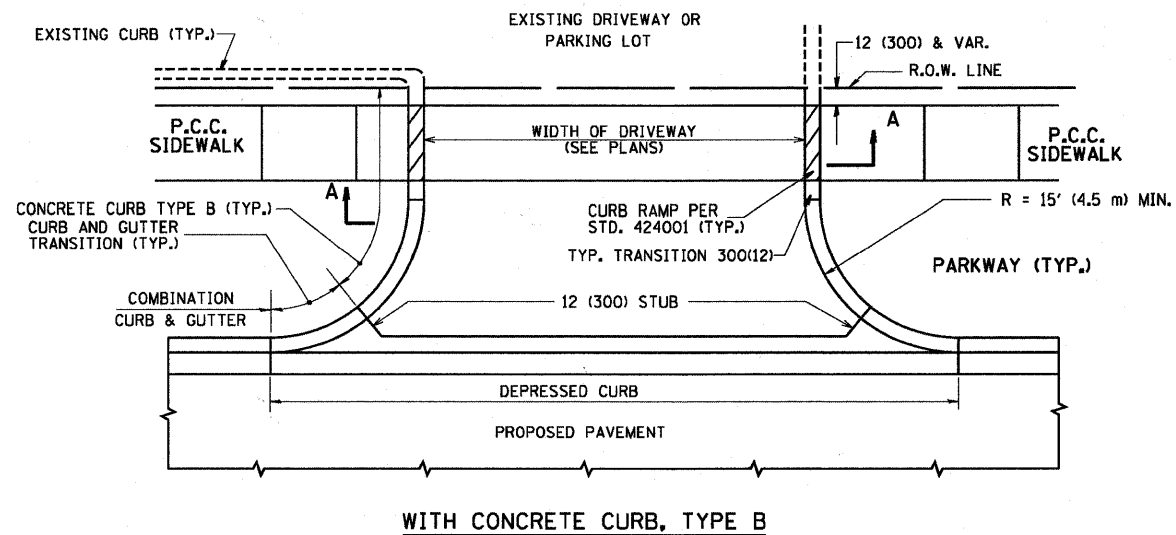


NOTES:

1. USE BLACK LETTERING ON ORANGE BACKGROUND.
2. ERECT SIGNS IN ADVANCE OF THE LOCATION FOR THE "ROAD CONSTRUCTION AHEAD" SIGN AT LOCATIONS AS DIRECTED BY THE ENGINEER.
3. ERECT SIGN ① WITH INSTALLED PANEL ② ONE WEEK PRIOR TO THE START OF CONSTRUCTION.
4. REMOVE PANEL ② SOON AFTER THE START OF CONSTRUCTION.
5. SEE SPECIAL PROVISION FOR "TEMPORARY INFORMATION SIGNING" FOR ADDITIONAL INFORMATION.
6. ONE SIGN ASSEMBLY EQUALS 25.70 SQ. FT. (2.3 SQ. M.)
7. SHALL BE PAID FOR AS TEMPORARY INFORMATION SIGNING.

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

FILE NAME = W:\distatd\22x34\to22.dgn	USER NAME = geglionobt	DESIGNED -	REVISED - R. MIRS 09-15-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	ARTERIAL ROAD INFORMATION SIGN			F.A.J. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 51
	PLOT SCALE = 50,000 ' / IN.	DRAWN -	REVISED - R. MIRS 12-11-97		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	TC-22	CONTRACT NO. 63519	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT	
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - T. RAMMACHER 02-02-99									
		DATE - 08-29-2011	REVISED - C. JUCIUS 01-31-07									



GENERAL NOTES:

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATIONS IN THE PERMIT HANDBOOK. DRIVEWAYS SHALL BE REPLACED IN KIND, UNLESS OTHERWISE NOTED ON THE PLANS.

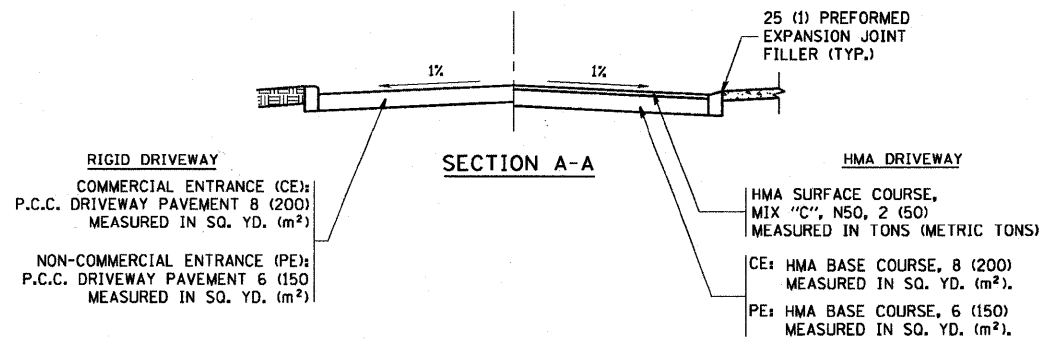
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

THE RESIDENT ENGINEER SHALL CONTACT THE TRAFFIC PERMIT OFFICE AT 847/ 705-4131 FOR ANY QUESTIONS ON DRIVEWAYS SHOWN IN THE PLANS; SPECIFICALLY IN REFERENCE TO ADDITIONAL AND/OR RELOCATION/REMOVAL OF A DRIVEWAY.

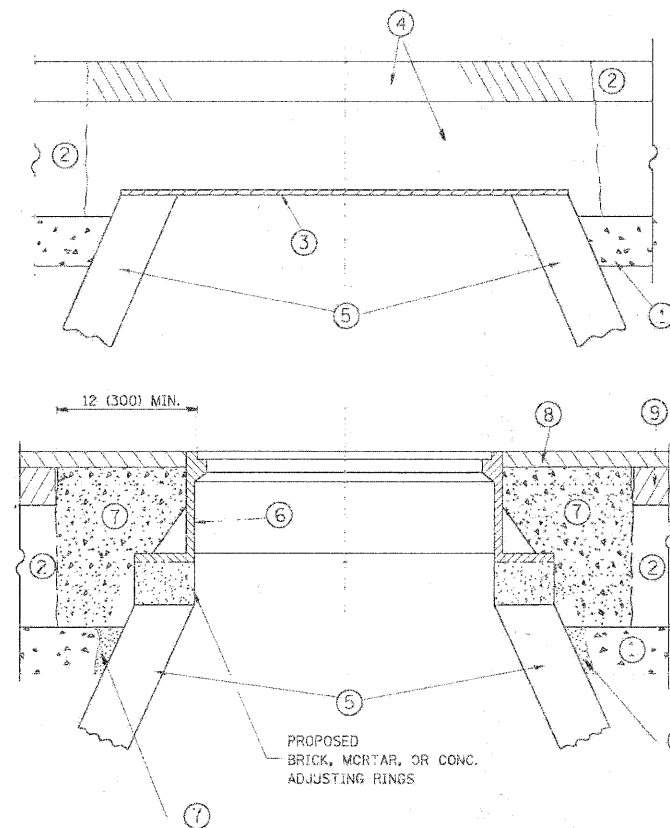
COMBINATION CONCRETE CURB & GUTTER SHALL BE MEASURED STRAIGHT ACROSS THE DRIVEWAY. NO ADDITIONAL COMPENSATION WILL BE ALLOWED FOR THE CURB & GUTTER TRANSITION.

1 (25) PREFORMED EXPANSION JOINT FILLER WILL NOT BE PAID SEPARATELY, BUT SHALL BE CONSIDERED INCLUDED IN THE COST OF THE P.C.C. DRIVEWAY PAVEMENT OR P.C.C. SIDEWALK.

WHEN THE P.C.C. SIDEWALK EXTENDS THROUGH THE DRIVEWAY, THE THICKNESS OF THE SIDEWALK IN THE DRIVEWAY AREA SHALL BE THE SAME AS THE DRIVEWAY THICKNESS. SIDEWALK WILL BE PAID FOR AS P.C.C. SIDEWALK OF THE THICKNESS SPECIFIED. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.



FILE NAME = c:\pro\jects\dststd22x34\bd01.dgn	USER NAME = beuerdl	DESIGNED - R. SHAH	REVISED - M. GOMEZ 04-06-01	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)		F.A.J. RTE. 126	SECTION 95-00090-01-FP	COUNTY McHENRY	TOTAL SHEETS 92	SHEET NO. 52
	PLOT SCALE = 49,9999' / IN.	CHECKED -	REVISED - P. LaFLUER 04-15-03		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	BD0156-07 (BD-01)		CONTRACT NO. 63519
	PLOT DATE = 6/12/2008	DATE - 08-29-2011	REVISED - R. BORO 01-01-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT						
			REVISED - R. BORO 06-11-08								



CONSTRUCTION PROCEDURES

STAGE 1 (BEFORE PAVEMENT MILLING)

- A) REMOVE A MINIMUM OF 12 (300) OF THE PAVEMENT FROM AROUND THE STRUCTURE.
- B) REMOVE THE EXISTING FRAME AND LID FROM THE STRUCTURE.
- C) COVER THE STRUCTURE OPENING WITH A 36 (900) DIAMETER METAL PLATE.
- D) BACKFILL WITH CRUSHED STONE AND A MINIMUM 1/2 (40) THICK HMA SURFACE MIX APPROVED BY THE ENGINEER.

STAGE 2 (AFTER PAVEMENT MILLING)

- A) REMOVE THE HMA SURFACE MIX AND CRUSHED STONE.
- B) INSTALL THE FRAME AND LID; ADJUST THE FRAME TO ITS FINAL SURFACE ELEVATION.
- C) THE SURROUNDING SPACE SHALL BE FILLED WITH CLASS PP-1* CONCRETE TO THE ELEVATION OF THE SURFACE OF THE EXISTING BASE COURSE OR THE BINDER COURSE.

* UNLESS OTHERWISE SPECIFIED IN THE PLANS.

THE PROCEDURE EXPLAINED ABOVE SHALL CONFORM TO THE APPLICABLE PORTIONS OF SECTIONS 353, 406, 602, AND 603 OF THE STANDARD SPECIFICATIONS.

LEGEND

- ① SUB-BASE GRANULAR MATERIAL
- ② EXISTING PAVEMENT
- ③ 36 (900) DIAMETER METAL PLATE
- ④ PROPOSED CRUSHED STONE AND HMA SURFACE MIX
- ⑤ EXISTING STRUCTURE
- ⑥ FRAME AND LID (SEE NOTES)
- ⑦ CLASS PP-1* CONCRETE
- ⑧ PROPOSED HMA SURFACE COURSE
- ⑨ PROPOSED HMA BINDER COURSE

LOCATION OF STRUCTURES:

THE CONTRACTOR WILL BE REQUIRED TO KEEP A RECORD OF THE LOCATIONS OF THE BURIED STRUCTURES ACCORDING TO THE STATION AND DISTANCE LEFT OR RIGHT OF THE CENTERLINE OF PAVEMENT. UPON COMPLETION OF THE WORK, THE CONTRACTOR WILL DELIVER THE RECORD TO THE ENGINEER.

BASIS OF PAYMENT: THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH FOR "FRAMES AND LIDS TO BE ADJUSTED, SPECIAL" NEW FRAMES AND LIDS, WHEN SPECIFIED, WILL BE PAID FOR SEPARATELY.

NOTES:

EXISTING BROKEN FRAMES AND LIDS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AND SHALL BE REPLACED AS DIRECTED BY THE ENGINEER. REPLACEMENT FRAMES AND LIDS WILL BE PAID FOR IN ACCORDANCE WITH ARTIC. F 109.04 OF THE STANDARD SPECIFICATIONS UNLESS A SEPARATE PAY ITEM HAS BEEN PROVIDED.

IF THE EXISTING LIDS ARE OPEN, THE FRAME WILL BE ADJUSTED TO THE ELEVATION OF THE MILLED PAVEMENT SURFACE PRIOR TO THE MILLING OPERATION. THE FRAME WILL NOT BE REMOVED AND COVERED BY THE METAL PLATE.

CITY OF CHICAGO CASTINGS ARE THE PROPERTY OF THE CITY AND THE CONTRACTOR SHALL NOTIFY THE CITY FOR REMOVAL AND DISPOSITION OF THE CASTINGS.

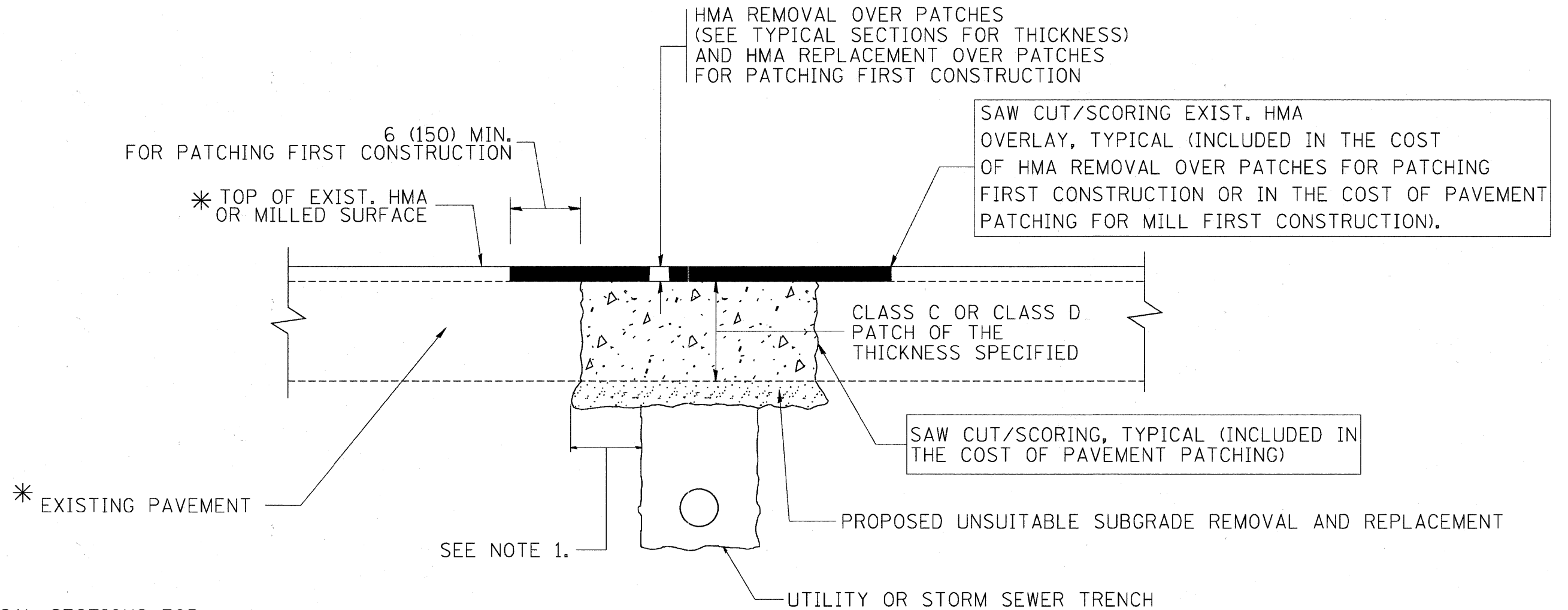
THE METAL PLATE USED TO COVER THE STRUCTURE SHALL REMAIN THE PROPERTY OF THE CONTRACTOR.

WHEN STRUCTURES ARE TO BE ADJUSTED OR RECONSTRUCTED, THE LOWERING AND RAISING OF THE FRAMES AND LIDS WILL NOT BE PAID FOR SEPARATELY BUT WILL BE INCLUDED IN THE COST OF THE CORRESPONDING PAY ITEM.

DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING

ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN

FILE NAME: \\pwwork\pwwork\1\egsa\10002316\ncg8\ldg	USER NAME: 1egsa	DESIGNED: R. SHAH	REVISED: A. ABBAS 03-21-97	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	DETAILS FOR FRAMES AND LIDS ADJUSTMENT WITH MILLING	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS STA. TO STA.	F.A.U. R.F.E.	SECTION	COUNTY	TOTAL SHEET NO.
	ELET SCALE: 1/4" = 1'-0"	DATE: 08-29-2011	REVISIONS: R. WIEDEMAN 05-14-04 R. BORO 01-01-07 R. BORO 03-09-11			126		95-00090-01-FP	McHENRY	92 53	
								B0600-03 (3D-8)		CONTRACT NO. 63519	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT											



* SEE TYPICAL SECTIONS FOR THICKNESS AND MATERIALS

NOTES:

1. THE WIDTH OF THE FULL DEPTH PATCH OVER A TRENCH SHALL BE 12 (300) WIDER ON EACH SIDE OF THE TRENCH.
2. FOR METHOD OF MEASUREMENT AND BASIS OF PAYMENT, SEE RECURRING SPECIAL PROVISION "PATCHING WITH HOT-MIX ASPHALT OVERLAY REMOVAL".

SEQUENCE OF CONSTRUCTION (PATCHING FIRST)

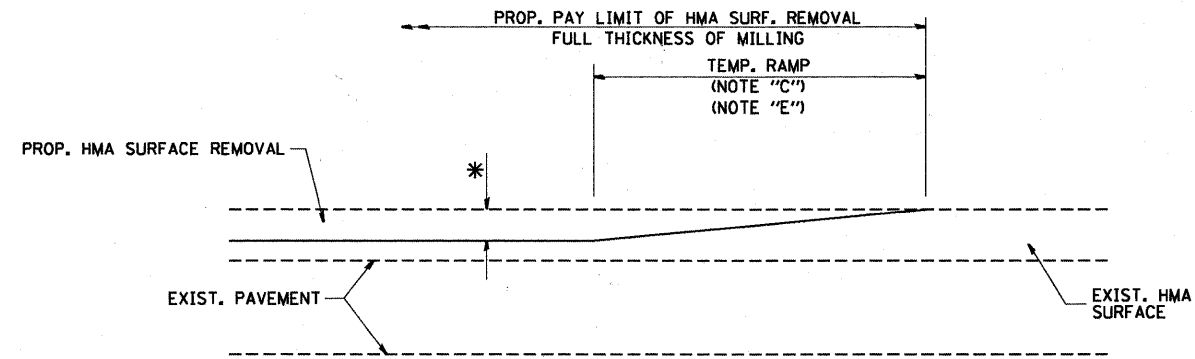
1. REMOVE THE EXISTING HMA MATERIAL OVER THE AREA TO BE PATCHED.
2. REMOVE AND REPLACE WITH CLASS C OR D PATCH.
3. REPLACE HMA MATERIAL OVER THE AREA TO BE PATCHED.

SEQUENCE OF CONSTRUCTION (MILLING FIRST)

1. MILL HMA FIRST IF THERE IS AT LEAST 4 1/2 INCHES OR MORE OF HMA MATERIAL ON TOP OF THE EXISTING PAVEMENT OR IF THE PAVEMENT IS FULL DEPTH HMA. A MINIMUM OF 2 INCHES OF HMA MATERIAL SHALL BE IN PLACE AFTER MILLING.
2. REMOVE AND REPLACE WITH FULL DEPTH CLASS D PATCHES TO TOP OF MILLED SURFACE.

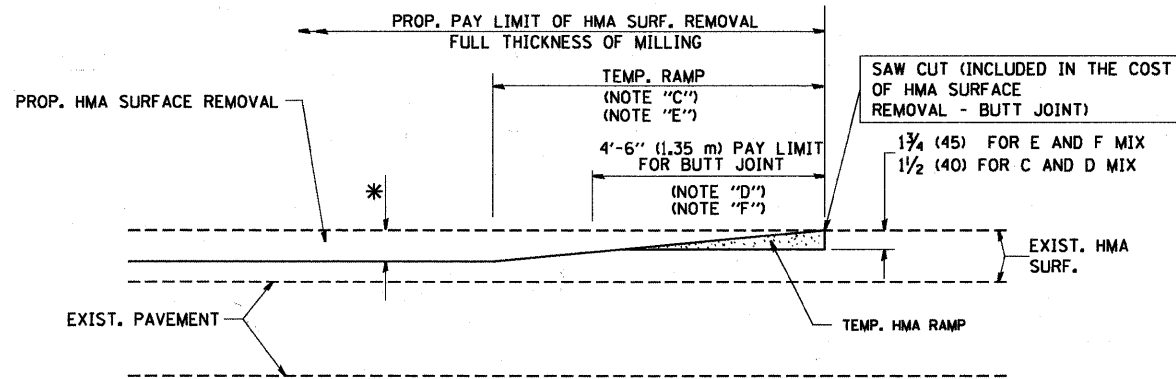
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.

FILE NAME = c:\projects\distatd22x34\bd22.dgn	USER NAME = beuerdl	DESIGNED - R. SHAH	REVISED - A. ABBAS 04-27-98	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PAVEMENT PATCHING FOR HMA SURFACED PAVEMENT			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50,000' / IN.	DRAWN -	REVISED - R. BORO 01-01-07		126	95-00090-01-FP	McHENRY	92	54			
	PLOT DATE = 10/27/2008	CHECKED -	REVISED - R. BORO 09-04-07		BD400-04 (BD-22)			CONTRACT NO. 63519				
		DATE - 08-29-2011	REVISED - K. ENG 10-27-08		SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA. TO STA.	FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



MILLED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

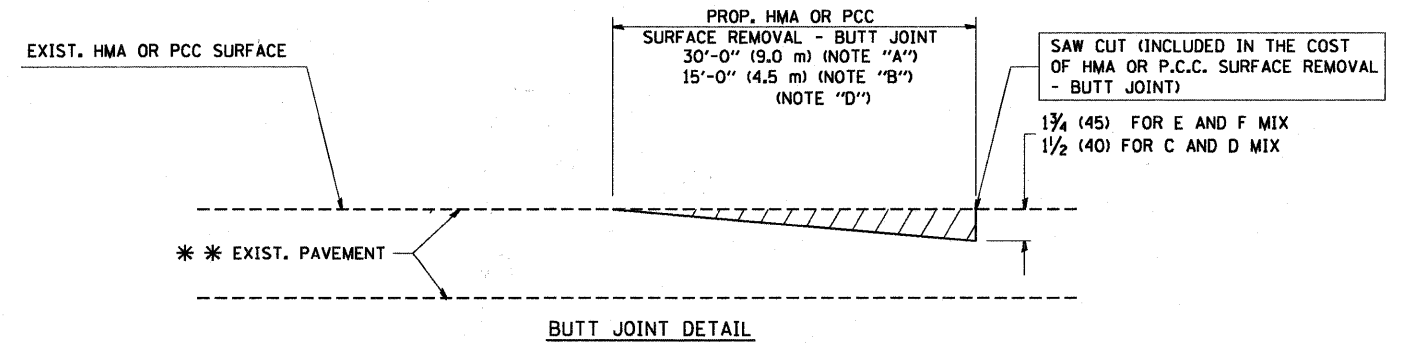
OPTION 1



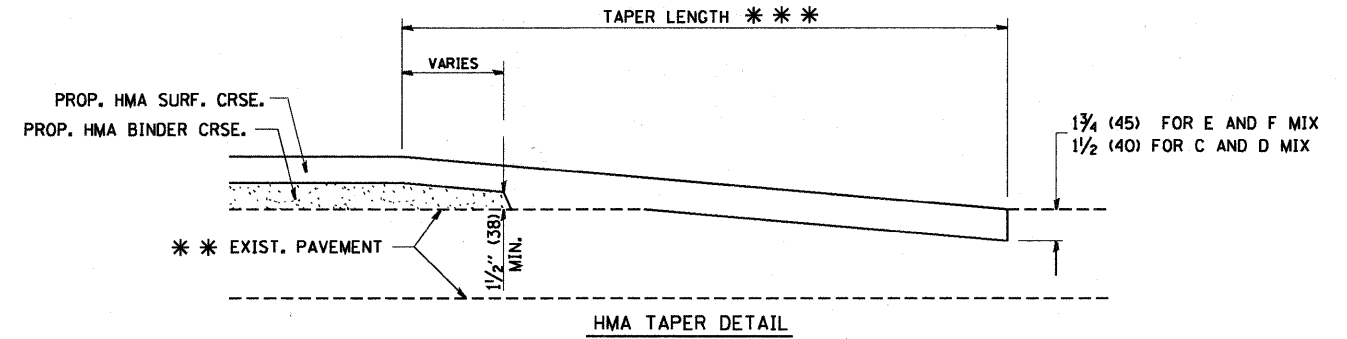
HMA CONSTRUCTED TEMPORARY RAMP
(FOR BUTT JOINT AND HMA TAPER SEE DETAIL BELOW)

OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

*** PC CONCRETE, HMA OR HMA RESURFACED PAVEMENT.

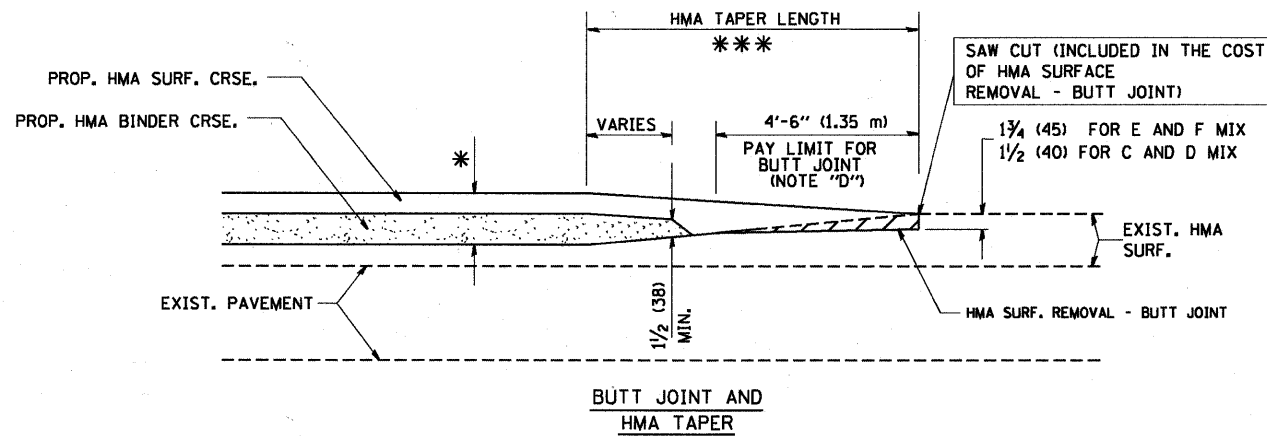
NOTES

- A: MAINLINE ROADWAYS AND MAJOR SIDE ROADS.
 - B: MINOR SIDE ROADS.
 - C: THE TEMP. RAMP SHALL BE CONSTRUCTED IMMEDIATELY UPON REMOVAL OF THE EXISTING HMA SURFACE.
 - D: THE BUTT JOINT SHALL BE CONSTRUCTED IMMEDIATELY PRIOR TO PLACING THE PROPOSED HMA COURSES.
 - E: TAPER THE TEMP. RAMP AT A RATE OF 3'-0" (900 mm) PER 1 INCH (25 mm) OF MILLING THICKNESS.
 - F: INSTALLATION AND REMOVAL OF THE 4'-6" (1.35 m) TEMP. RAMP IS INCLUDED IN COST OF HMA SURFACE REMOVAL - BUTT JOINT
 - G: SEE ARTICLE 406.08 AND 406.14 OF THE STANDARD SPECIFICATIONS FOR "HMA AND/OR PCC SURFACE REMOVAL, BUTT JOINT".
- * SEE TYPICAL SECTIONS FOR MILLING THICKNESS.
- *** 20'-0" (6.1 m) PER 1 (25) RESURFACING (NOTE "A")
10'-0" (3.0 m) PER 1 (25) RESURFACING (NOTE "B")

BASIS OF PAYMENT:

THE BUTT JOINT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER SQUARE YARD (SQUARE METER) FOR "HOT-MIX ASPHALT SURFACE REMOVAL - BUTT JOINT" OR FOR "PORTLAND CEMENT CONCRETE SURFACE REMOVAL - BUTT JOINT".

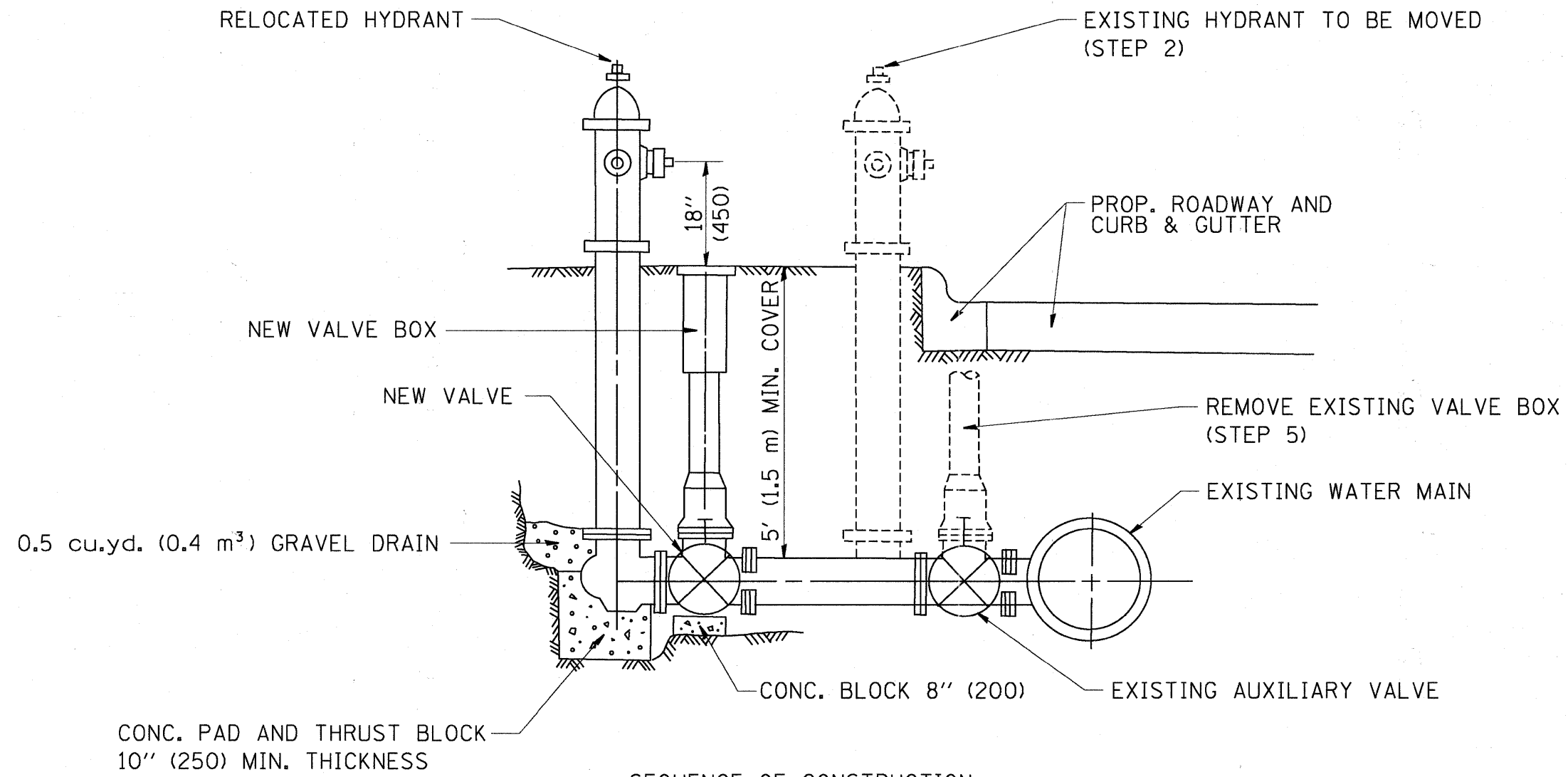
ALL DIMENSIONS ARE IN INCHES (MILLIMETERS) UNLESS OTHERWISE SHOWN.



BUTT JOINT AND HMA TAPER

TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

FILE NAME = W:\diststd\22x34\bd32.dgn	USER NAME = geglennobt	DESIGNED - M. DE YONG	REVISED - R. SHAH 10-25-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	BUTT JOINT AND HMA TAPER DETAILS			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - A. ABBAS 03-21-97		126	95-00090-01-FP	McHENRY	92	55			
	PLOT DATE = 1/4/2008	CHECKED -	REVISED - M. GOMEZ 04-06-01		SCALE: NONE SHEET NO. 1 OF 1 SHEETS STA. TO STA.			BD400-05 BD32 CONTRACT NO. 63519				
		DATE - 08-29-2011	REVISED - R. BORO 01-01-07		FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT							



SEQUENCE OF CONSTRUCTION:

1. CLOSE EXISTING VALVE.
2. REMOVE EXISTING HYDRANT.
3. INSTALL HYDRANT EXTENSION AND NEW VALVE.
4. RELOCATE EXISTING HYDRANT.
5. OPEN EXISTING VALVE, REMOVE BOX.
6. BACKFILL.
7. FLUSH AND TEST FOR CHLORIDE RESIDUAL AND PROVIDE TEST.

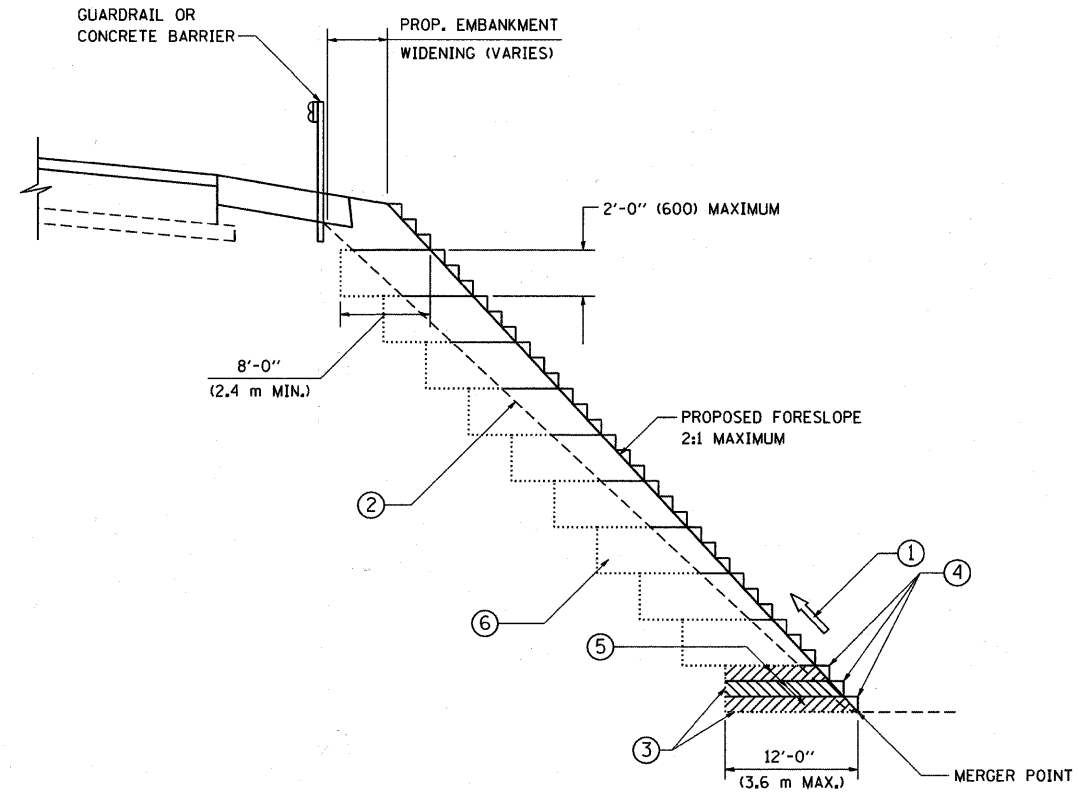
ALL WORK TO BE DONE IN ACCORDANCE WITH ARTICLE 564 OF THE STANDARD SPECIFICATIONS. NEW VALVE AND BOX SHALL BE SAME MAKE AND MODEL AS EXISTING.

FIRE HYDRANT TO BE MOVED

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

FILE NAME = M:\d\stata\22x34\bd36.dgn	USER NAME = geglienobt	DESIGNED -	REVISED - R. SHAH 09-09-94	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	FIRE HYDRANT TO BE MOVED			F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	PLOT SCALE = 50.0000' / IN.	DRAWN -	REVISED - R. SHAH 10-25-94		126	95-00090-01-FP	McHENRY	92	56			
	PLOT DATE = 1/4/2008	CHECKED -	REVISED -		BD-36		CONTRACT NO. 63519					
		DATE - 08-29-2011	REVISED -	SCALE: NONE	SHEET NO. 1 OF 1 SHEETS	STA.	TO STA.	FED. ROAD DIST. NO. 1 (ILLINOIS) FED. AID PROJECT				

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	95-00090-01-FP	McHENRY	92	57
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		



TYPICAL BENCHING DETAIL
FOR EMBANKMENT

NOTES:

- ① CONSTRUCT SUCCEEDING BENCH CUTS AND EMBANKMENT PLACEMENT AND COMPACTION FROM BOTTOM TO TOP IN STAIRSTEP FASHION.
- ② EXISTING FORESLOPE PREPARED IN ACCORDANCE WITH ARTICLE 205.03 OF THE STANDARD SPECIFICATIONS.
- ③ BENCH CUT EXISTING SLOPE TYPICAL FOR EACH STEP.
- ④ TRIM TO FINAL SLOPE.
- ⑤ EQUAL 8-INCH (200) LIFTS OF EMBANKMENT COMPACTED IN ACCORDANCE WITH ARTICLE 205.05 OF THE STANDARD SPECIFICATIONS.
- ⑥ EXCAVATION OF BENCH CUTS WITHIN EXISTING EMBANKMENT WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER CUBIC METER OR CUBIC YARD FOR "EARTH EXCAVATION". THIS PRICE WILL INCLUDE ALL LABOR AND MATERIAL, NO ADDITIONAL COMPENSATION WILL BE ALLOWED.
- ⑦ SLOPES SHALL BE BENCHED ACCORDING TO THIS DETAIL WHEN THE SLOPE IS STEEPER THAN 4:1 AND THE HEIGHT IS GREATER THAN 5' (1.5 m).

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

REVISIONS	
NAME	DATE
	06/16/04

ILLINOIS DEPARTMENT OF TRANSPORTATION

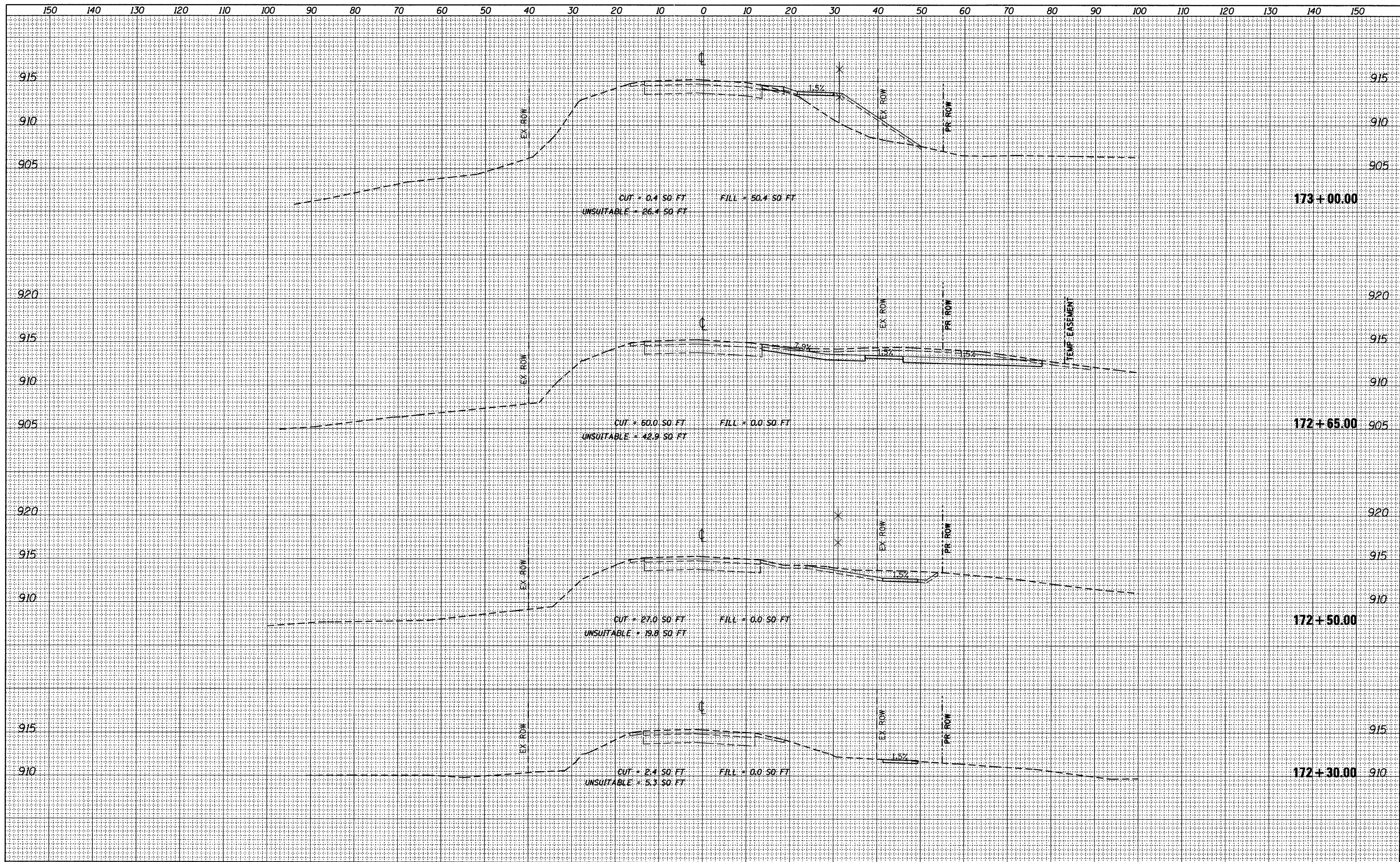
BENCHING DETAIL
FOR EMBANKMENT
WIDENING

SCALE: VERT. NONE
HORIZ.

DRAWN BY: CADD
CHECKED BY: S.E.B.
BD-51

DATE	
BY	
FINISHED	
FLIPPED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL	
SURVEY	
TEMPLATE	
NOTE BOOK	
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 DESIGNED BPD
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 PLOT DATE = 8/26/2011

DESIGNED BPD
 DRAWN JPS
 CHECKED BPD
 DATE 08-29-2011

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

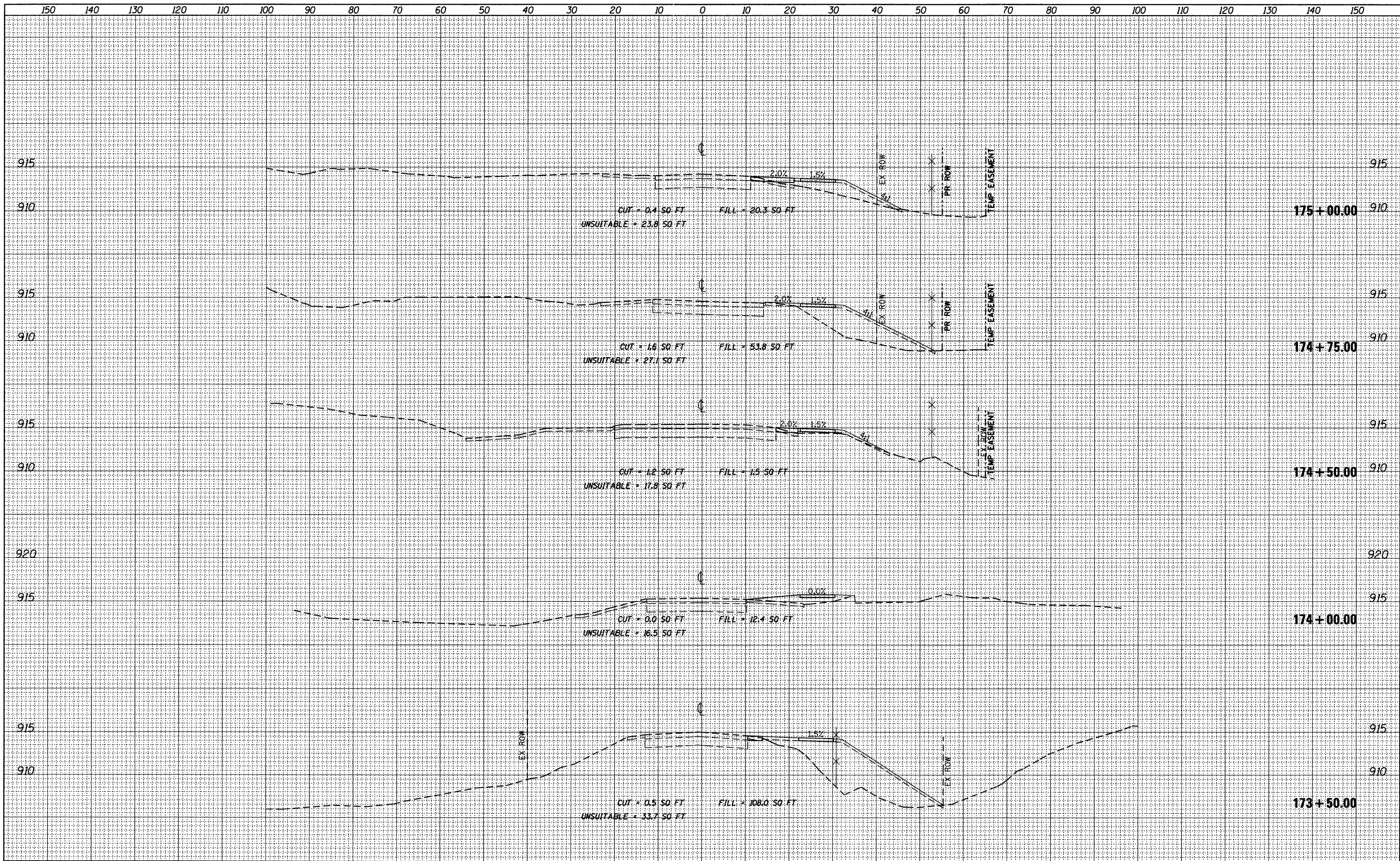
PINGREE CROSS SECTIONS - NORTH OF RAILROAD TRACKS

1"=10' HORIZ.
 SCALE: 1"=5' VERT. SHEET NO. 58 OF 92 SHEETS STA. 172+30.00 TO STA. 173+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	58
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

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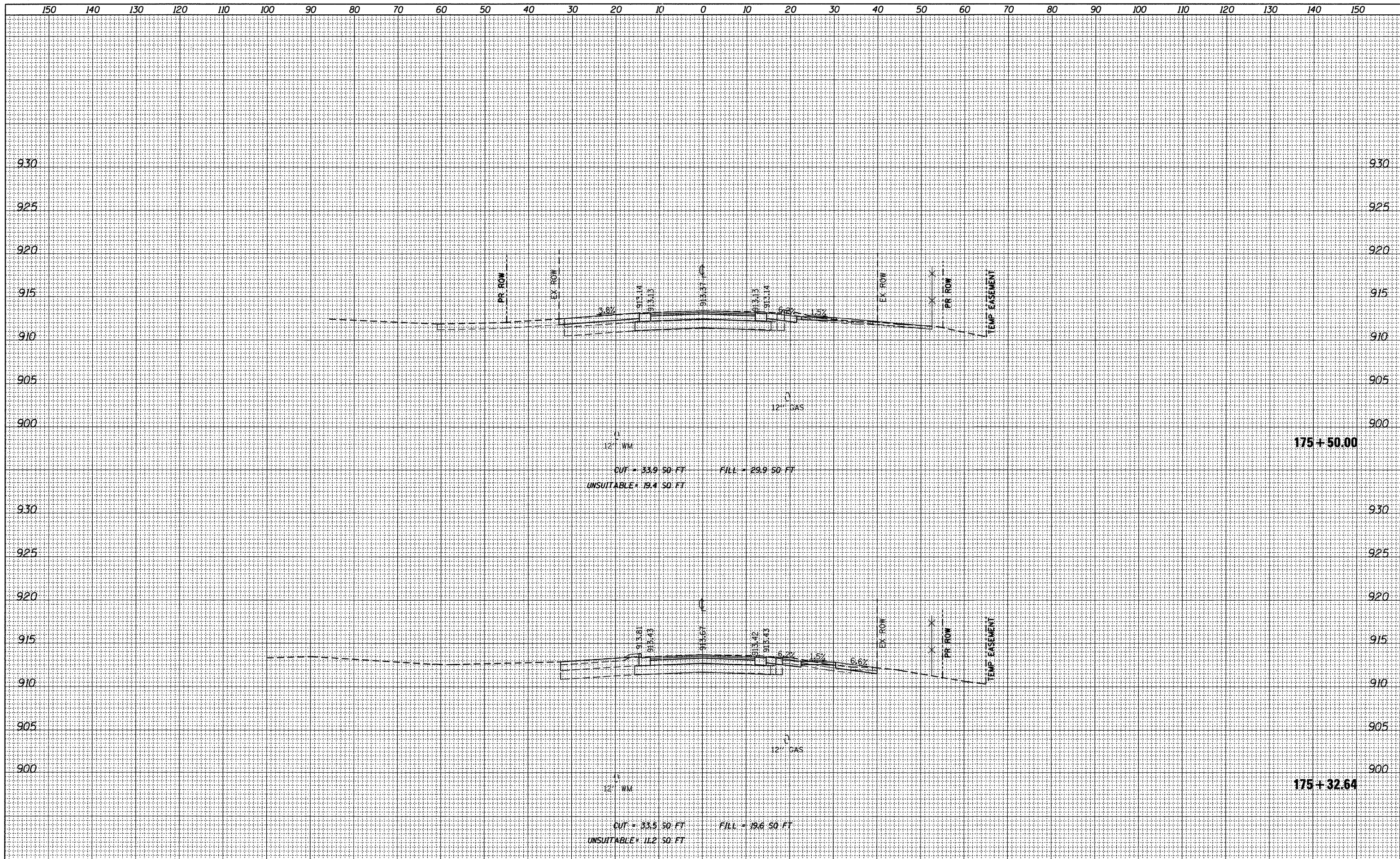
DATE	
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NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



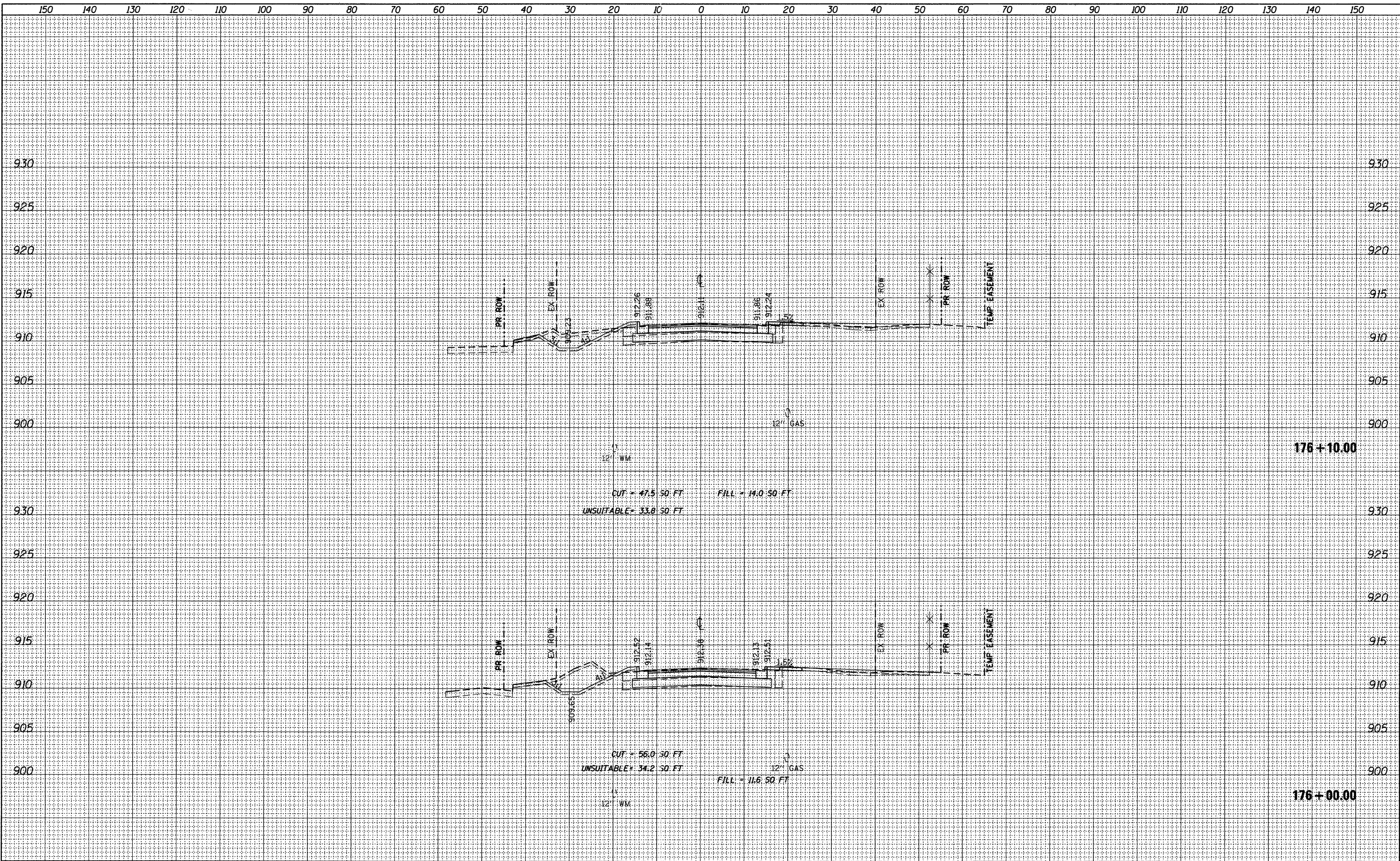
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	\DI63519_Path.dgn	DRAWN JPS	REVISED -		1"=10' HORIZ. SCALE: 1"=5' VERT. SHEET NO. 59 OF 92 SHEETS STA. 173+50.00 TO STA. 175+00.00		CONTRACT NO. 63519		ILLINOIS FED. AID PROJECT			
	PLOT SCALE = 10.0000' / IN.	CHECKED BPD	REVISED -									
	PLOT DATE = 8/26/2011	DATE 08-29-2011	REVISED -									

DATE	
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NOTE BOOK	
AREAS CHECKED	
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PLOT SCALE = 10.0000' / IN.	CHECKED BPD	DRAWN JPS	REVISED -			CONTRACT NO. 63519				
PLOT DATE = 9/14/2011	DATE 08-29-2011	CHECKED BPD	REVISED -			ILLINOIS FED. AID PROJECT				
		DATE 08-29-2011	REVISED -							



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

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

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 PLOT SCALE = 10.0000' / IN.
 PLOT DATE = 9/14/2011

DESIGNED *BPD*
 DRAWN *JPS*
 CHECKED *BPD*
 DATE *08-29-2011*

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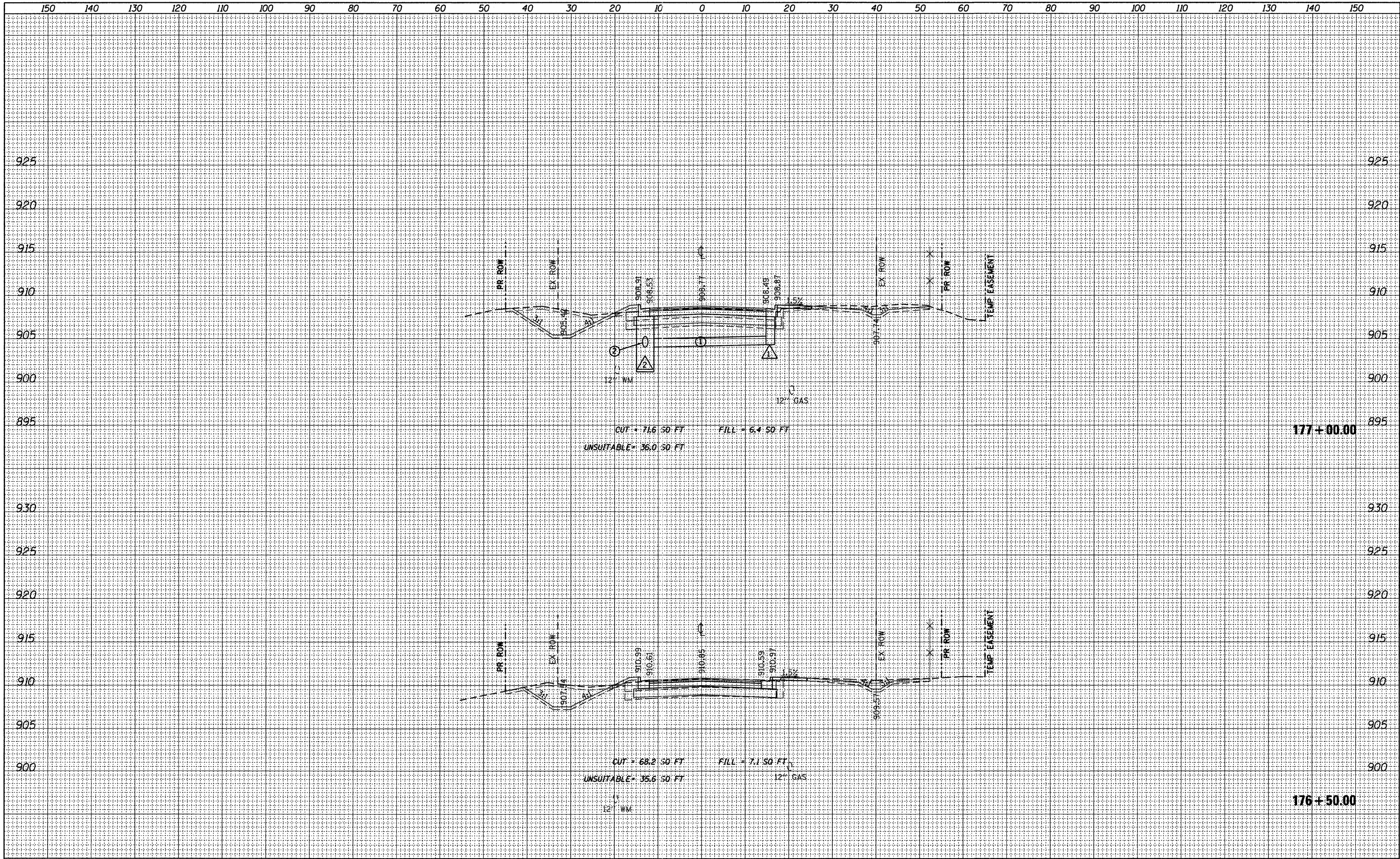
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PINGREE ROAD CROSS SECTIONS
 1"=10' HORIZ.
 SCALE: 1"=5' VERT. SHEET NO. 61 OF 92 SHEETS STA. 176+00.00 TO STA. 176+10.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	61
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

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

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



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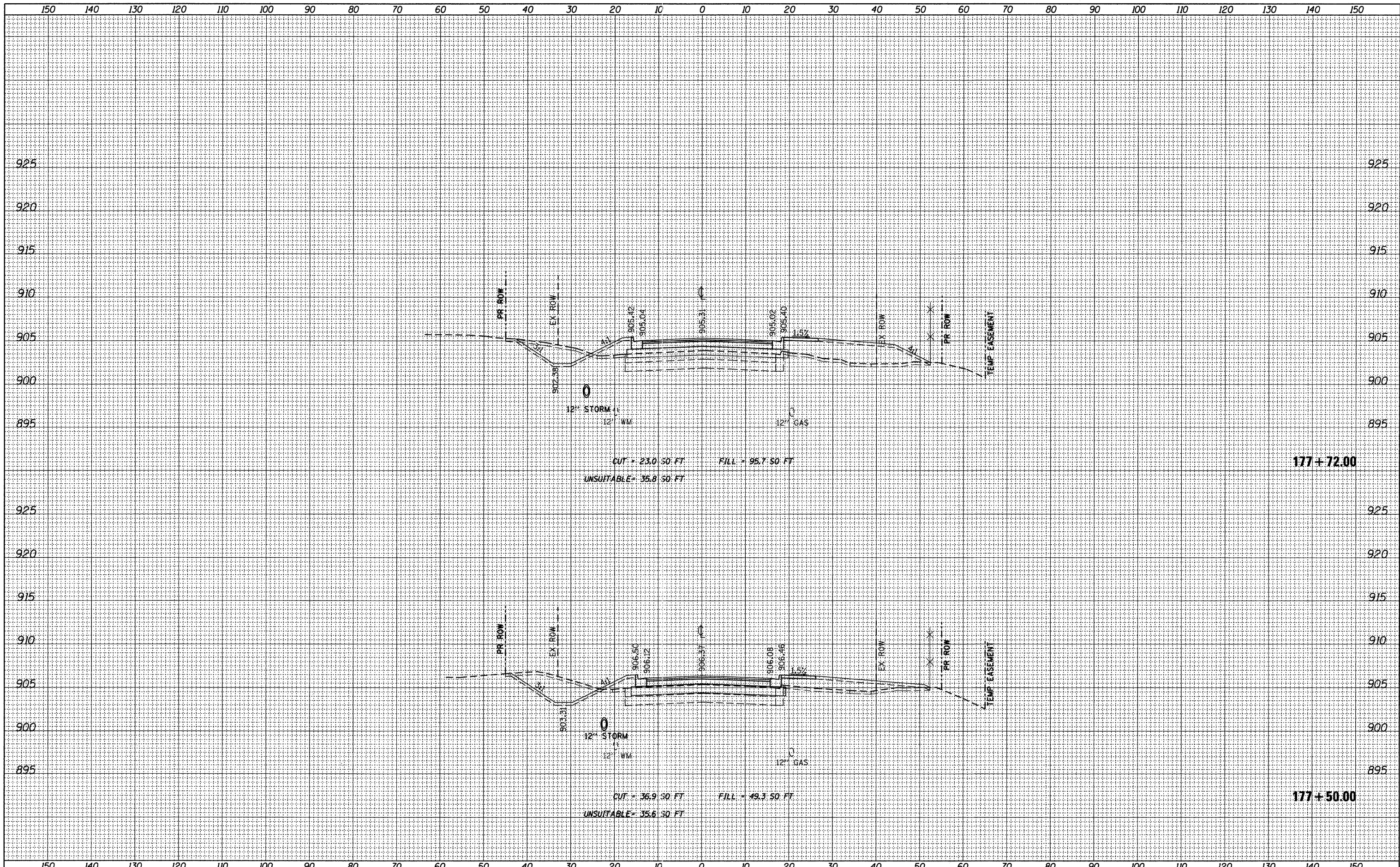
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PINGREE ROAD CROSS SECTIONS
 1"=10' HORIZ.
 SCALE: 1"=5' VERT. SHEET NO. 62 OF 92 SHEETS STA. 176+50.00 TO STA. 177+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	62
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

FINAL	SURVEYED	DATE
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NO.	NO.	

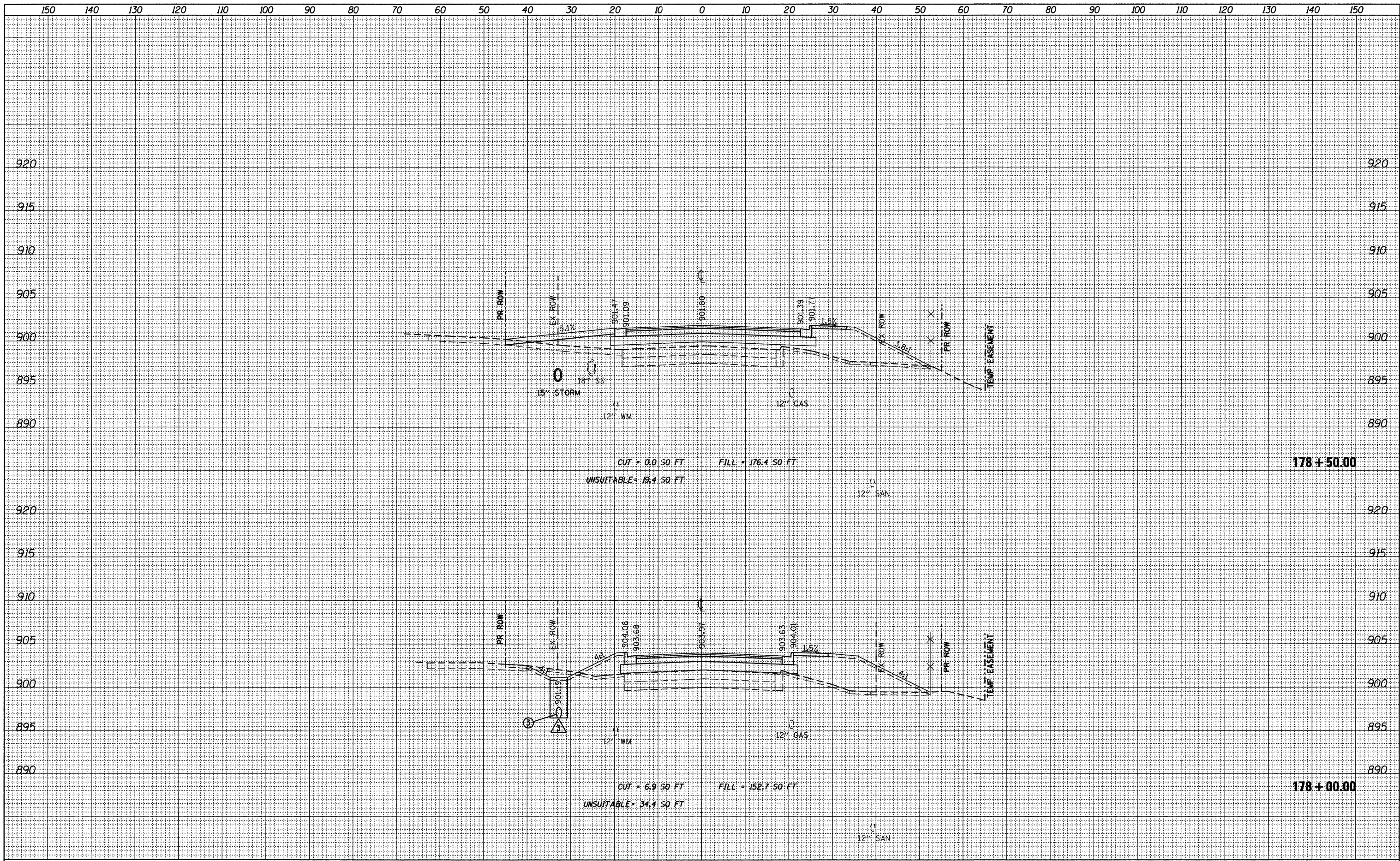
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NO.	NO.	



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PLOT SCALE = 10.0000' / IN.	CHECKED BPD	REVISIED -	CONTRACT NO. 63519							
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISIED -	ILLINOIS FED. AID PROJECT							

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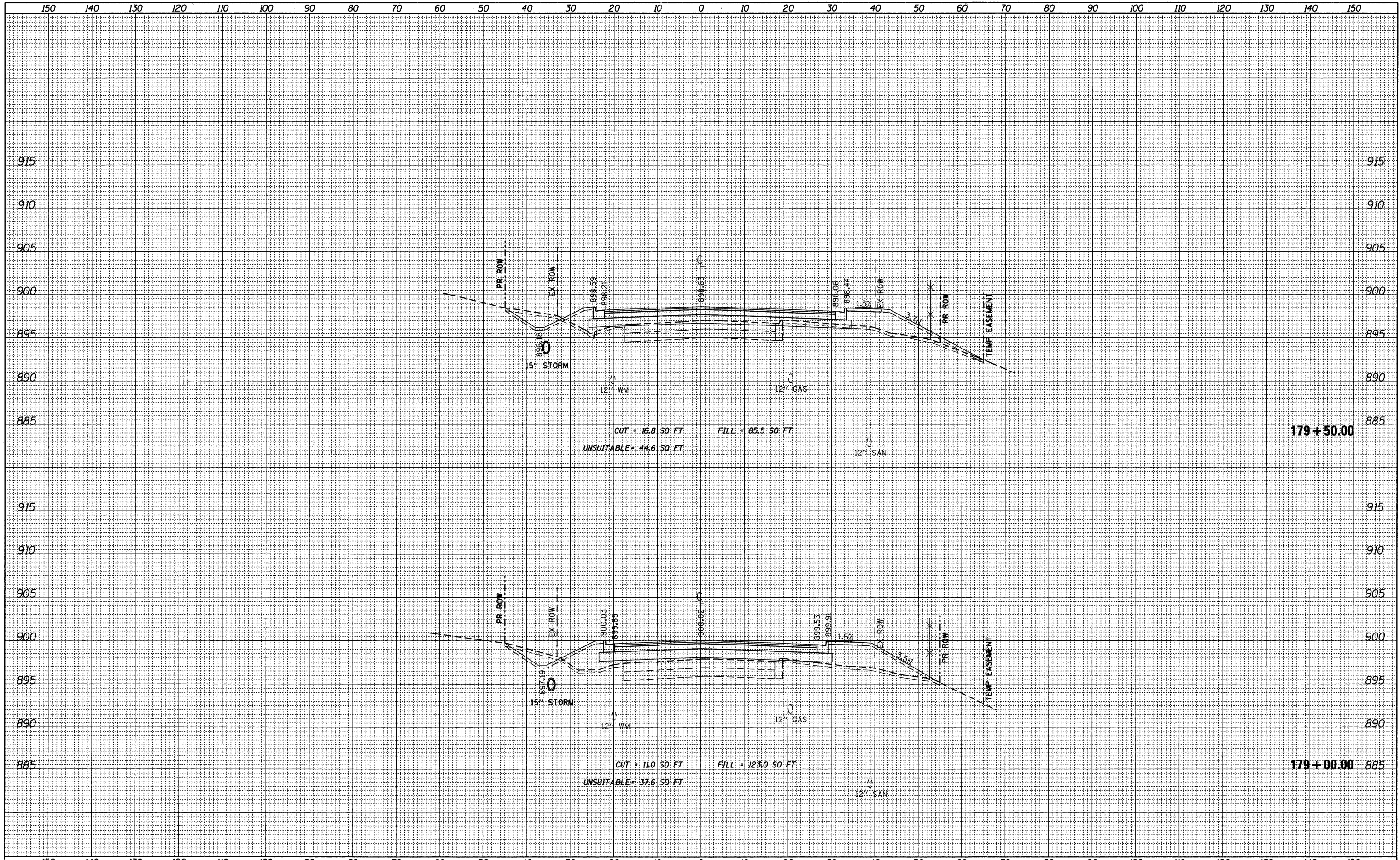
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NOTE BOOK	TEMPLATE	BY
NO.	AREAS CHECKED	



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PLOT SCALE = 10,0000' / IN.	CHECKED BPD	DATE 08-29-2011	REVISED -			CONTRACT NO. 63519		ILLINOIS FED. AID PROJECT				
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -										

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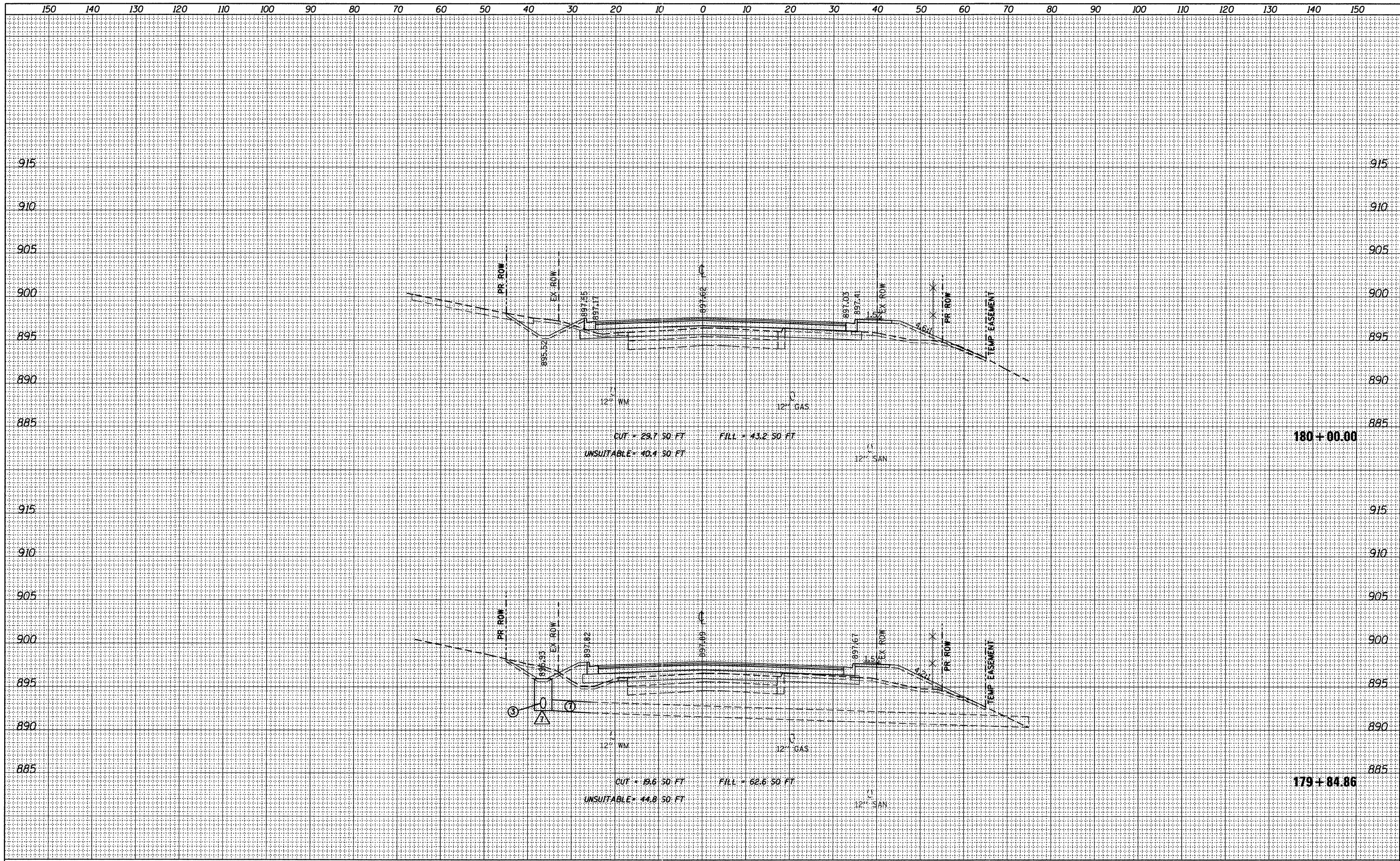
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NOTE BOOK	BY	
NO.		
AREAS CHECKED		
AREAS CHECKED		



FILE NAME = F:\396-064 Pingree Road\CADD\Sheets\ldot Form\163519_Pingree.dgn	USER NAME = cesario	DESIGNED BPD	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD CROSS SECTIONS		F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY MCHENRY	TOTAL SHEETS 92	SHEET NO. 65	
PLOT SCALE = 10,0000' / IN.	CHECKED BPD	DRAWN JPS	REVISED -		1"=10' HORIZ. SCALE: 1"=5' VERT.		SHEET NO. 65 OF 92 SHEETS		STA. 179+00.00 TO STA. 179+50.00		CONTRACT NO. 63519	
PLOT DATE = 9/14/2011	DATE 08-29-2011		REVISED -		ILLINOIS FED. AID PROJECT							

FINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
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AREAS CHECKED	

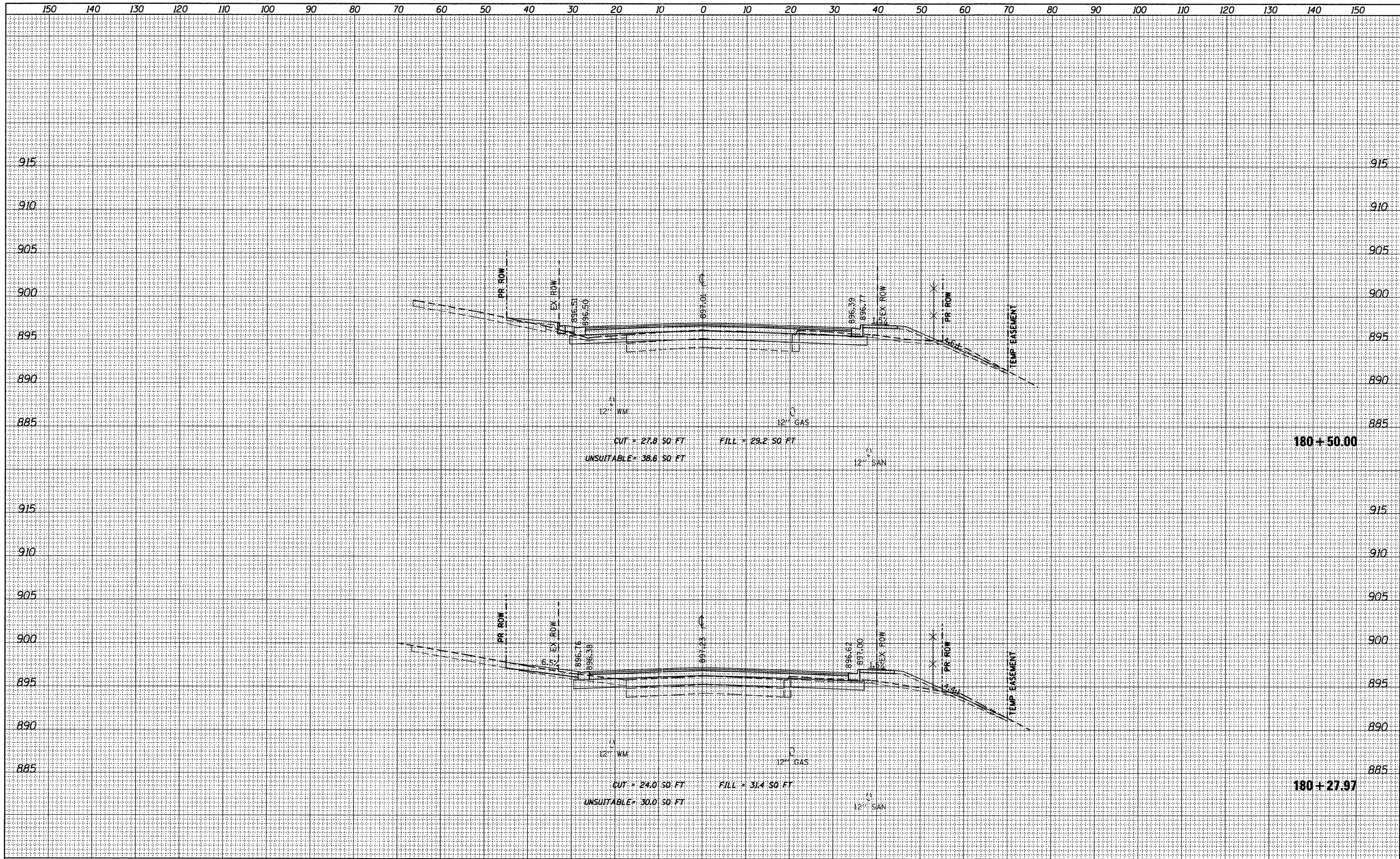
ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
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TEMPLATE	
AREAS CHECKED	



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PLOT SCALE = 10,0000 ' / IN.	CHECKED BPD	REVISED -	CONTRACT NO. 63519							
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -	ILLINOIS FED. AID PROJECT							

DATE	
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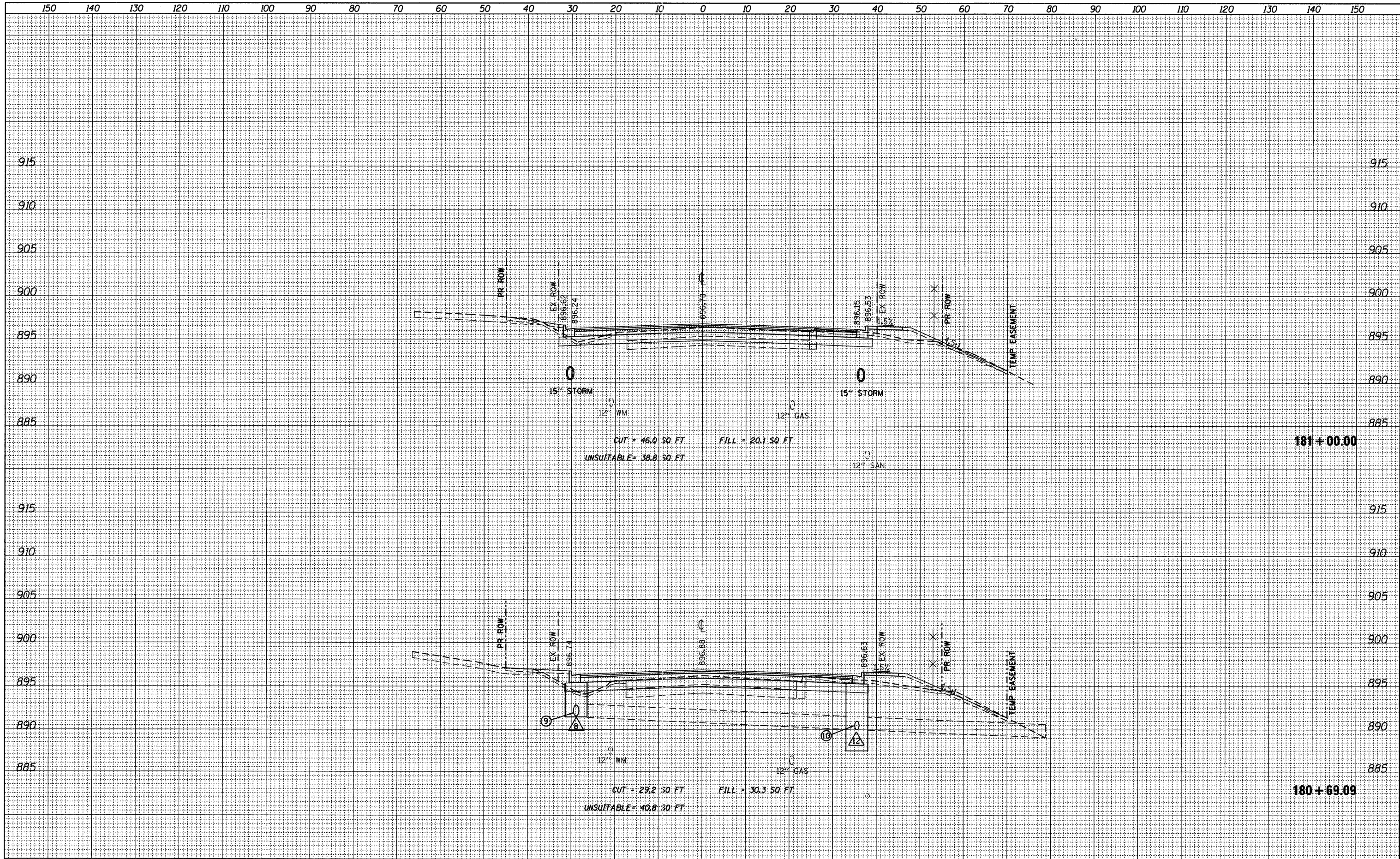
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BY	
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NOTE BOOK	
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AREAS CHECKED	



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PLOT SCALE = 10,0000 ' / IN.	CHECKED BPD	DRAWN JPS	REVISED -		CONTRACT NO. 63519		ILLINOIS FED. AID PROJECT		
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISIONS	REVISIONS						

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	NO.	
TEMPLATE	AREAS CHECKED	

ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	NO.	
TEMPLATE	AREAS CHECKED	



FILE NAME = F:\396-064 Pingree Road\CADD\Sheets\1dot Form\163519_Pingree.dgn
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 PLOT SCALE = 10,0000 ' / IN.
 PLOT DATE = 9/14/2011

DESIGNED BPD
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 CHECKED BPD
 DATE 08-29-2011

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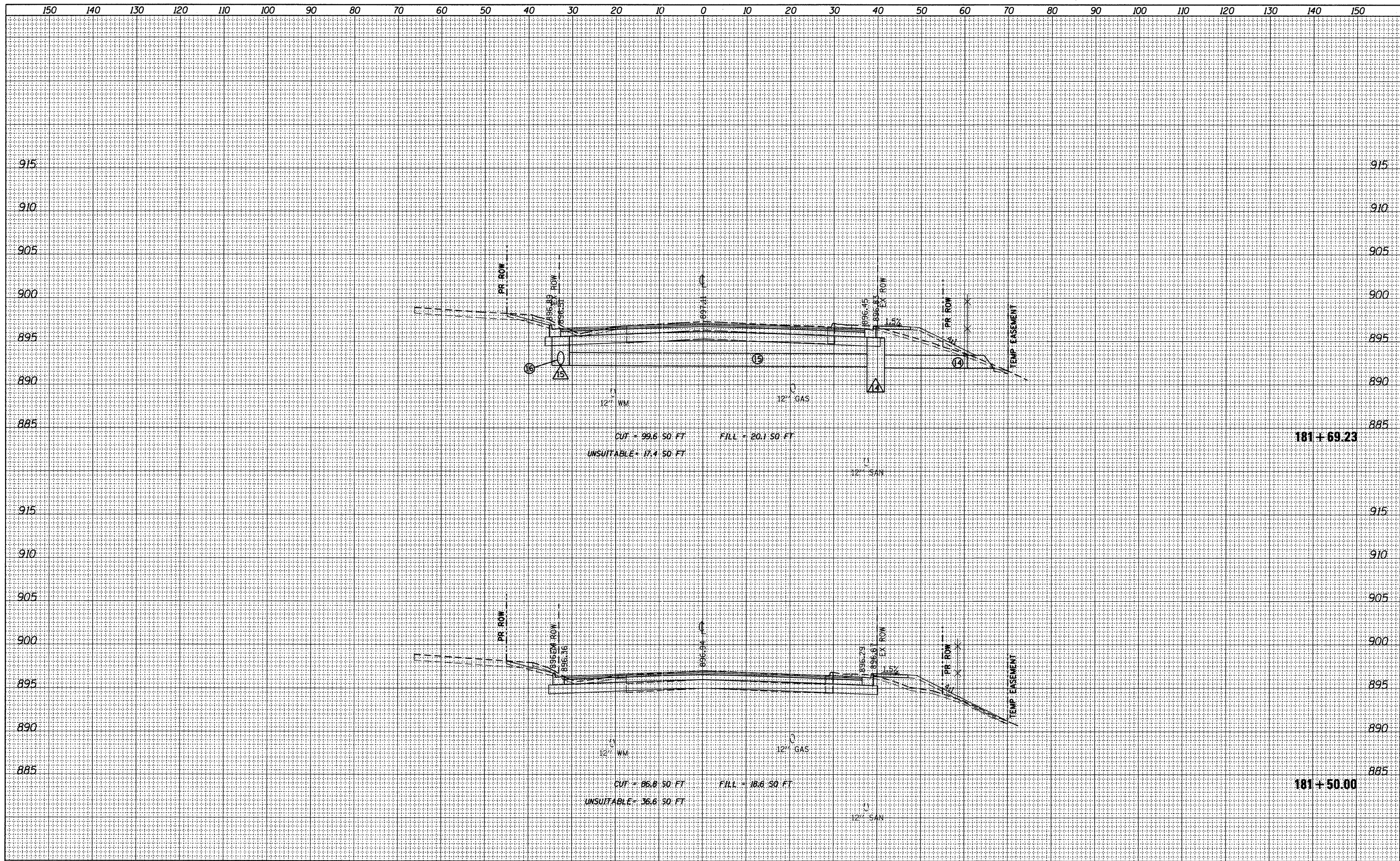
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

PINGREE ROAD CROSS SECTIONS
 1"=10' HORIZ.
 SCALE: 1"=5' VERT. SHEET NO. 68 OF 92 SHEETS STA. 180+69.09 TO STA. 181+00.00

F.A.J. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	68
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

FINAL SURVEY NO.	DATE
SURVEYED	BY
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NOTE BOOK	
AREAS CHECKED	

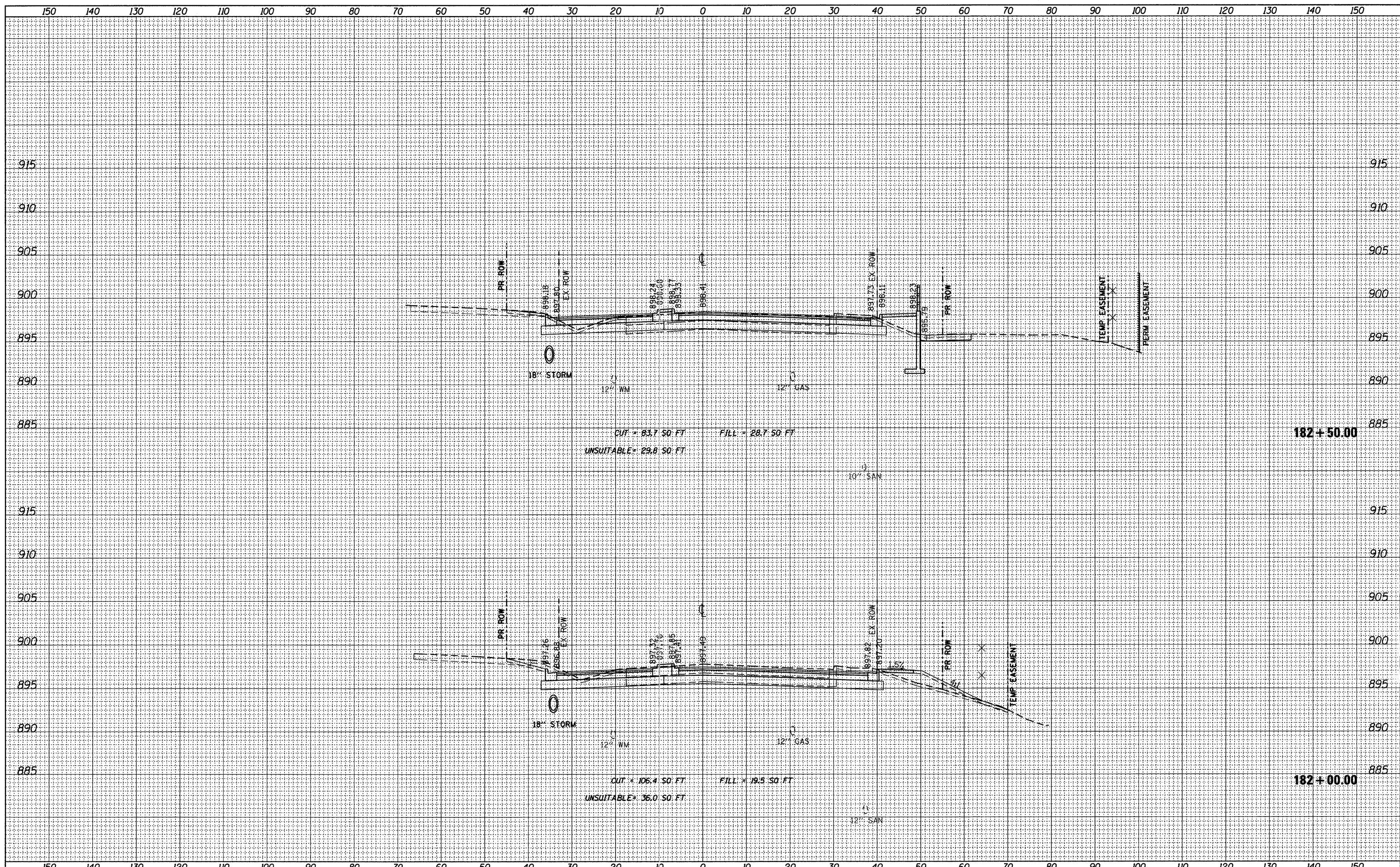
ORIGINAL SURVEY NO.	DATE
SURVEYED	BY
PLANTED	
NOTE BOOK	
AREAS CHECKED	



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PLOT SCALE = 10.0000 ' / IN.	CHECKED BPD	DRAWN JPS	REVISED -			CONTRACT NO. 63519				
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISOR	REVISED -			ILLINOIS FED. AID PROJECT				

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TEMPLATE	
NOTE BOOK	
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AREAS CHECKED	

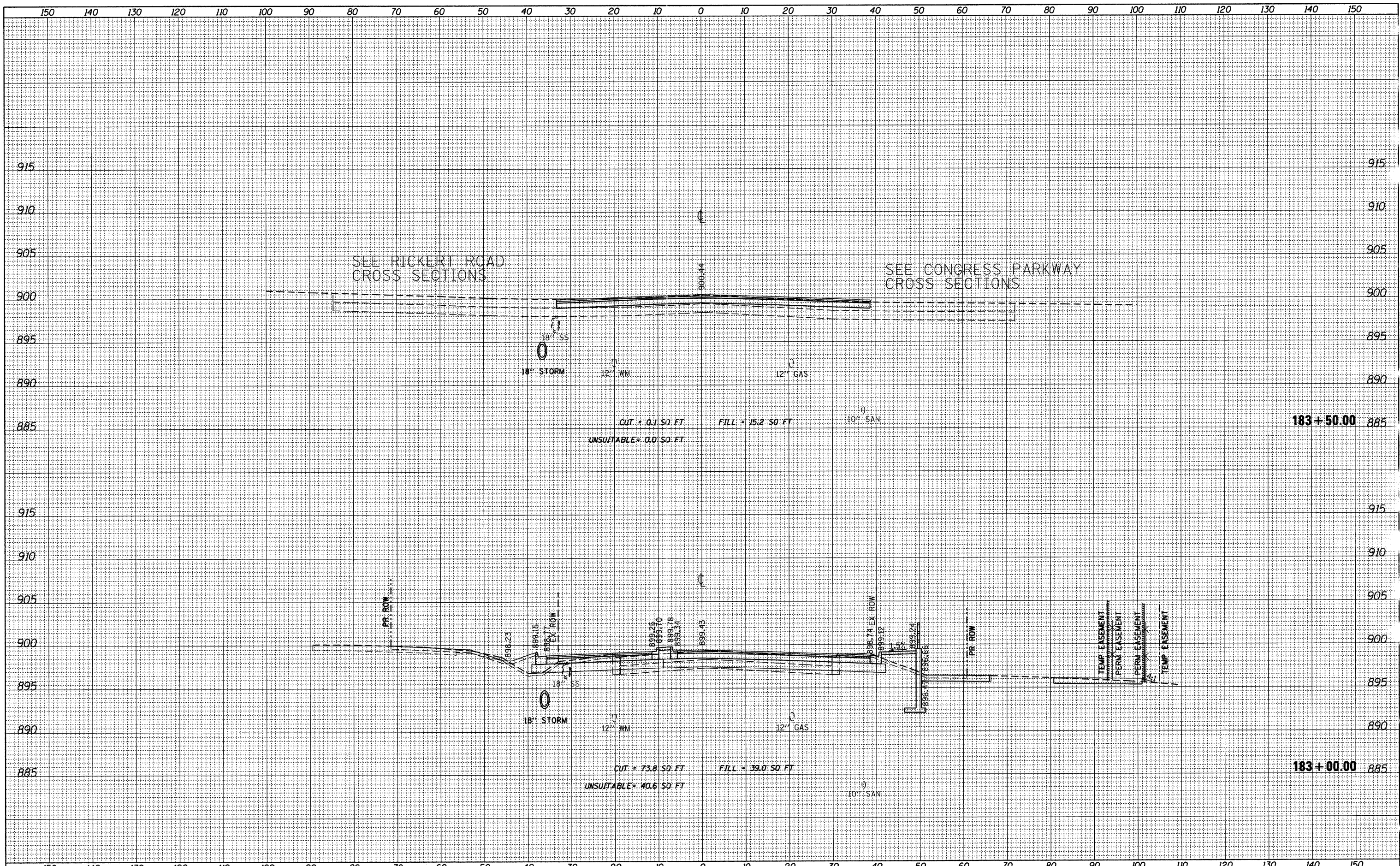
DATE	
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SURVEYED	
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TEMPLATE	
NOTE BOOK	
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AREAS CHECKED	



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PLOT SCALE = 10.0005' / IN.	CHECKED BPD	REVISED -	SCALE: 1"=5' VERT.			SHEET NO. 70 OF 92 SHEETS	STA. 182+00.00 TO STA. 182+50.00	CONTRACT NO. 63519		[ILLINOIS] FED. AID PROJECT	
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -									

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

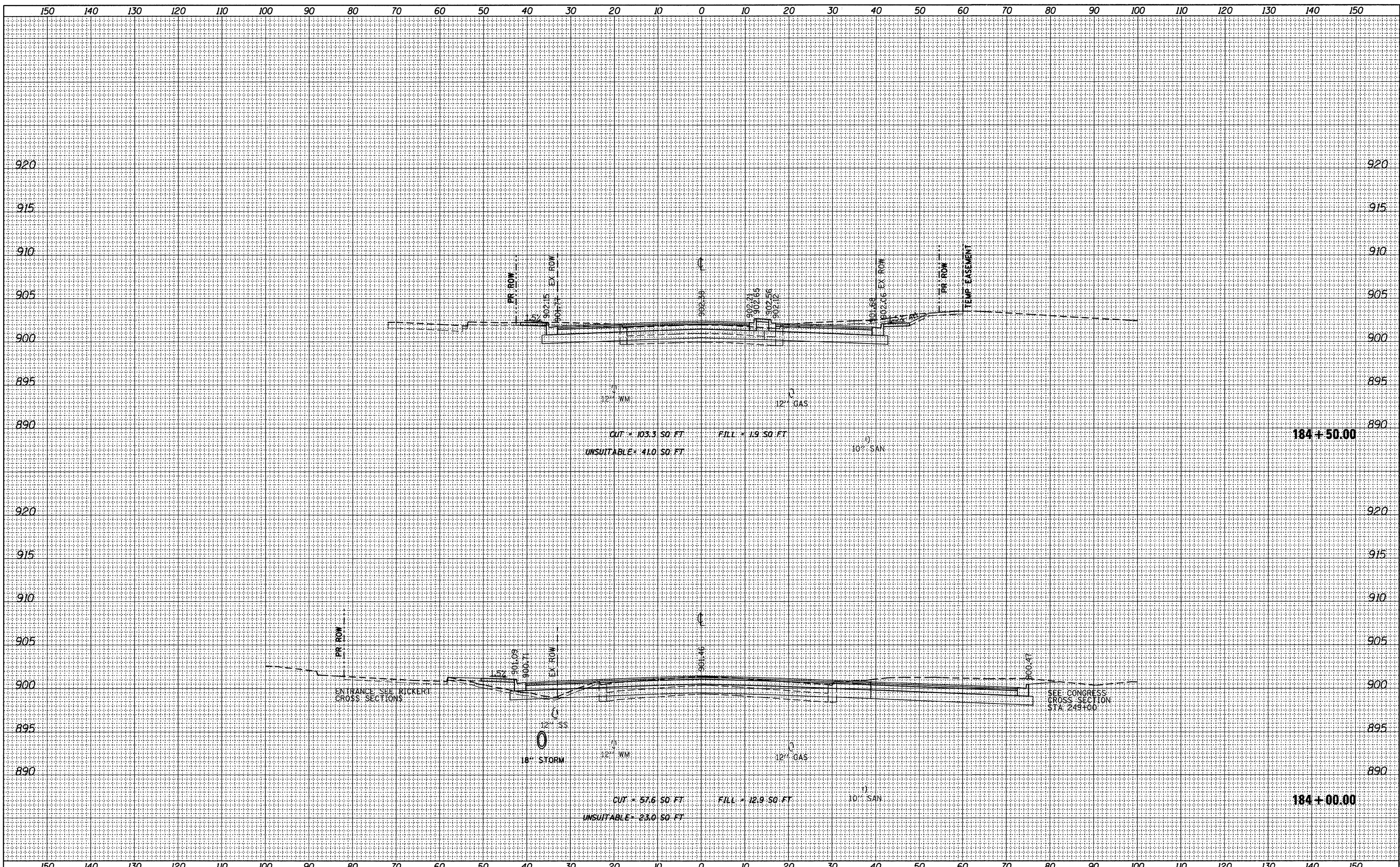
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	AREAS CHECKED	



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PLOT SCALE = 10.0005' / IN.	DRAWN JPS	CHECKED BPD	REVISED -			CONTRACT NO. 63519				
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -	REVISED -			[ILLINOIS] FED. AID PROJECT				

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

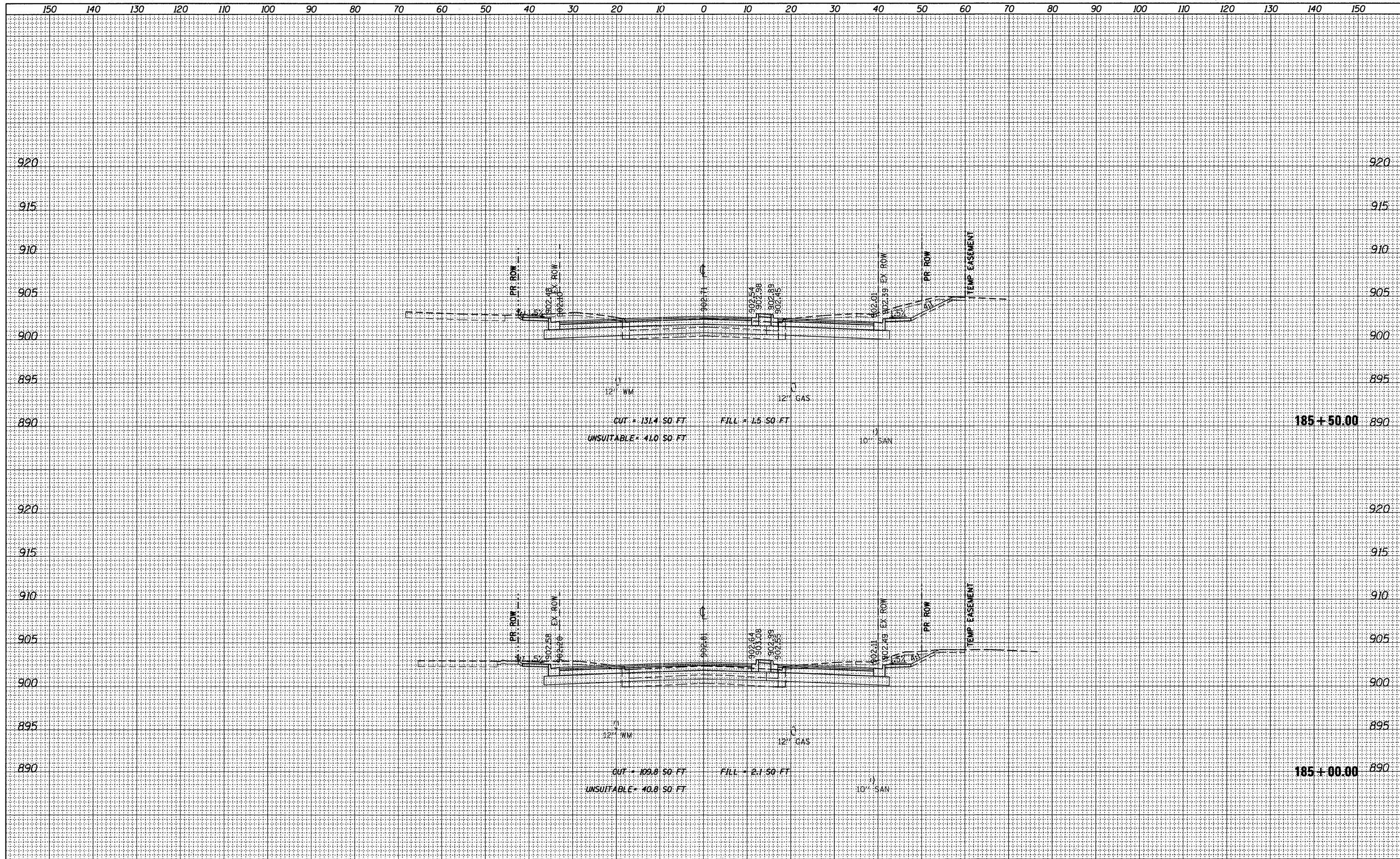
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	DATE	
	AREAS CHECKED	



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PLOT SCALE = 10.0000' / IN.	CHECKED BPD	REVISED -	SCALE: 1"=5' VERT. SHEET NO. 72 OF 92 SHEETS			STA. 184+00.00 TO STA. 184+50.00	CONTRACT NO. 63519		ILLINOIS FED. AID PROJECT		
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -									

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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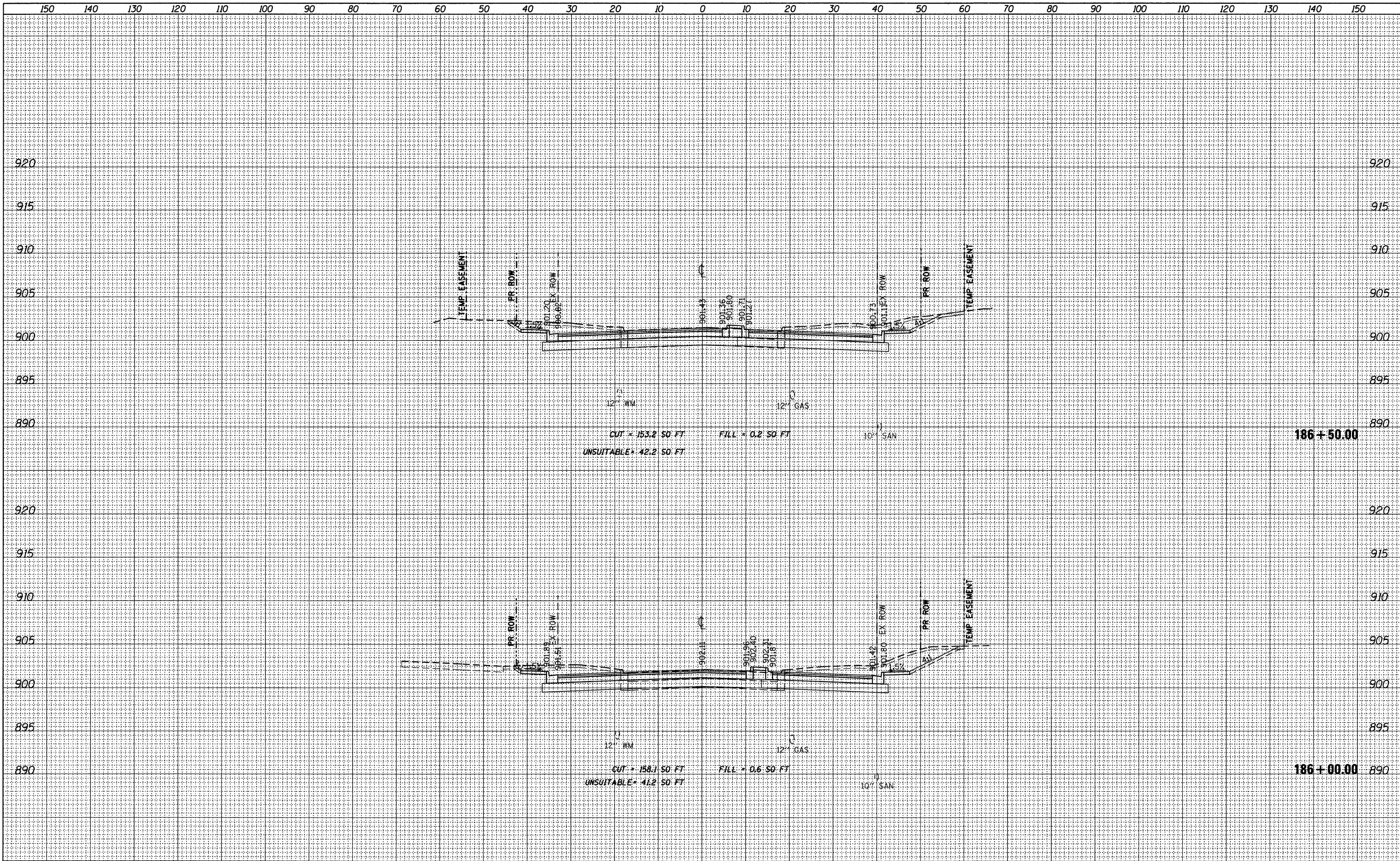
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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	AREAS CHECKED	



FILE NAME = F:\396-064 Pingree Road\CADD\Sheets\ldot Format\0163519_Pingree.dgn	USER NAME = cesario	DESIGNED <i>BPD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PINGREE ROAD CROSS SECTIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
PLOT SCALE = 10.0000' / IN.	CHECKED <i>BPD</i>	DRAWN <i>JPS</i>	REVISED -			126	95-00090-01-FP	MCHENRY	92	73	
PLOT DATE = 9/14/2011	DATE <i>08-29-2011</i>	CHECKED <i>BPD</i>	REVISED -			SCALE: 1"=5' VERT. SHEET NO. 73 OF 92 SHEETS STA. 185+00.00 TO STA. 185+50.00			CONTRACT NO. 63519		
		DATE <i>08-29-2011</i>	REVISED -			ILLINOIS FED. AID PROJECT					

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	DATE	
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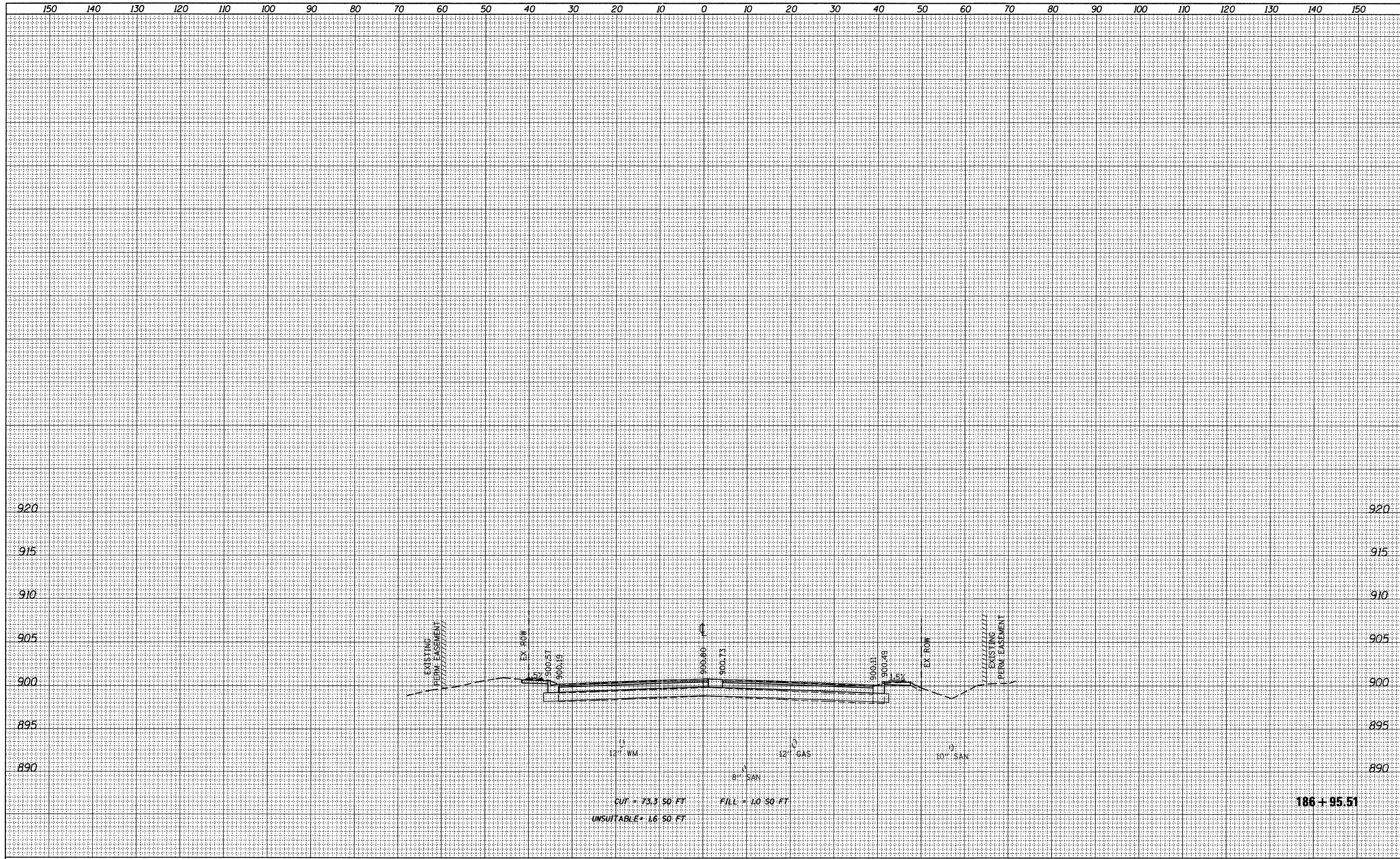
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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PLOT SCALE = 10.0000' / IN.	CHECKED BPD	DRAWN JPS	REVISED -			CONTRACT NO. 63519				
PLOT DATE = 9/14/2011	DATE 08-29-2011	CHECKED BPD	REVISED -			ILLINOIS FED. AID PROJECT				
		DATE 08-29-2011	REVISED -							

FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
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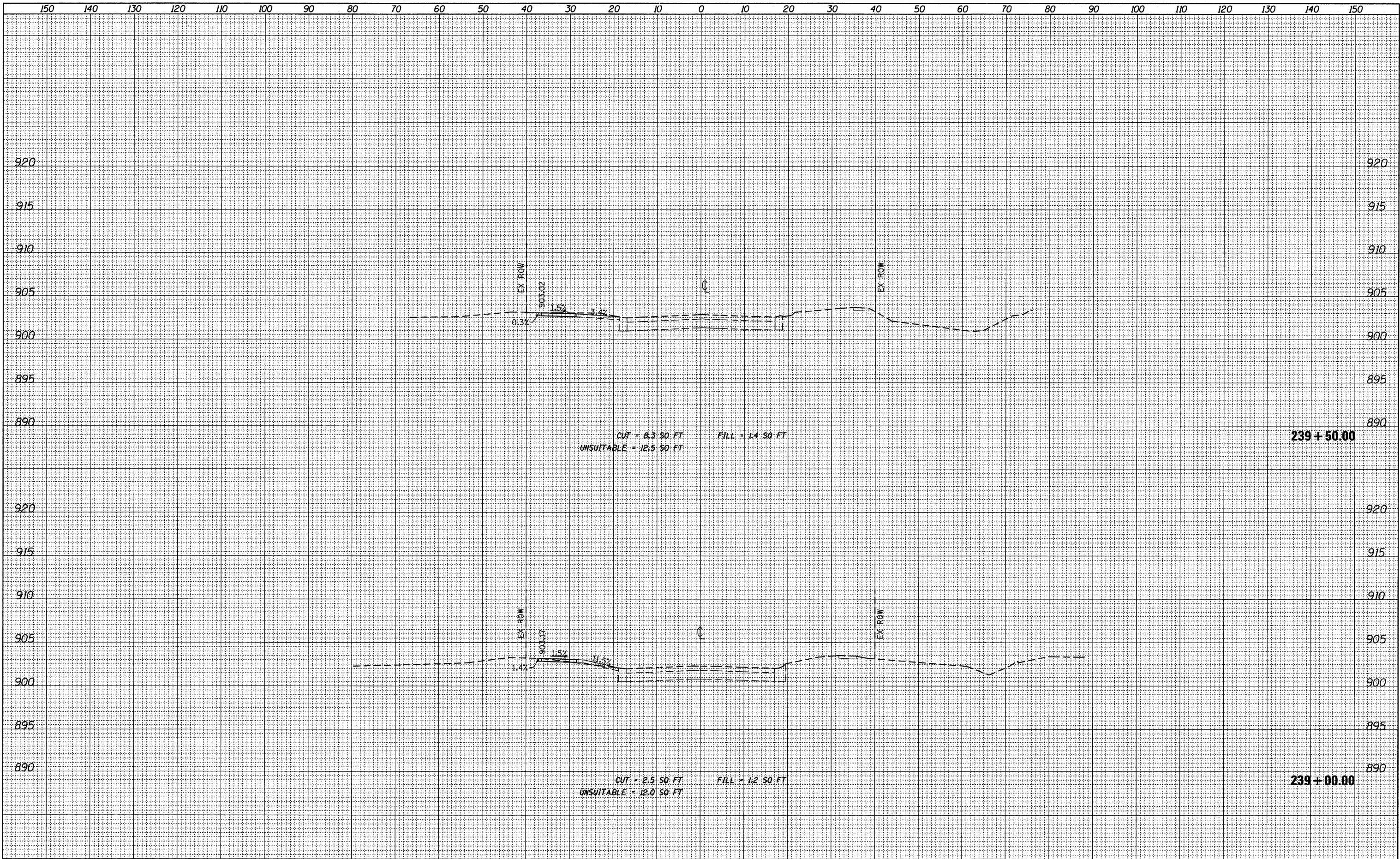
ORIGINAL SURVEY	SURVEYED	BY	DATE
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PLOT SCALE = 10.0005' / IN.	CHECKED <i>BPD</i>	DATE 08-29-2011	REVISED -			CONTRACT NO. 63519					
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -	ILLINOIS FED. AID PROJECT								

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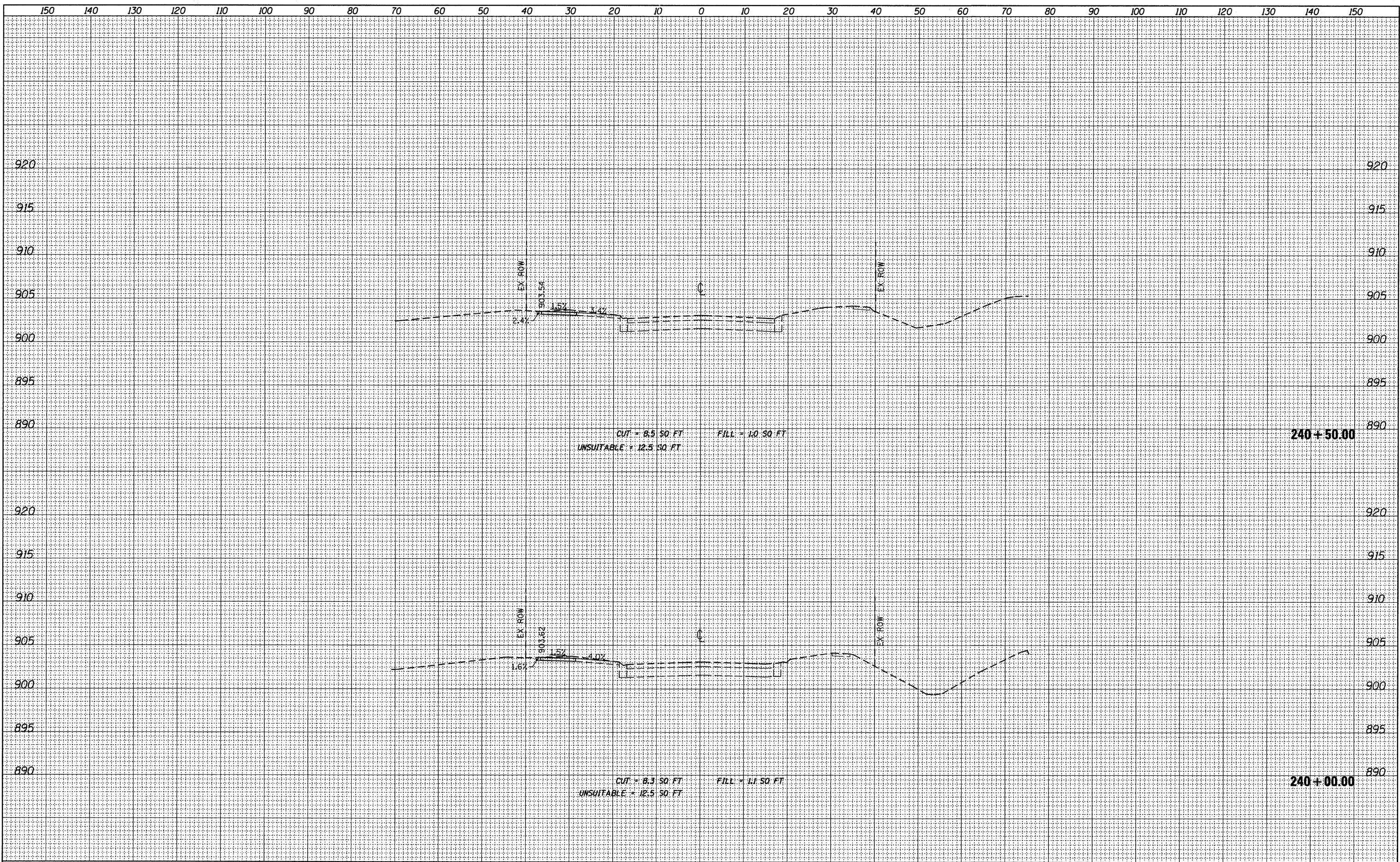
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PLOTTED	BY
NOTE BOOK	NO.
AREAS CHECKED	



FILE NAME =	USER NAME = cesario	DESIGNED <i>BD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONGRESS PARKWAY CROSS SECTIONS 1"=10' HORIZ. SCALE: 1"=5' VERT. SHEET NO. 76 OF 92 SHEETS STA. 239+00.00 TO STA. 239+50.00	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
F:\396-064 Pingree Road\CADD\Sheets\ldot Form\16163519_Congress.dgn	PLOT SCALE = 10.0000' / IN.	DRAWN <i>JPS</i>	REVISED -			126	95-00090-01-FP	MCHENRY	92	76
PLOT DATE = 9/14/2011	DATE <i>08-29-2011</i>	CHECKED <i>BD</i>	REVISED -			CONTRACT NO. 63519				
		REVISOR	REVISED -			ILLINOIS FED. AID PROJECT				

FINAL SURVEY	DATE
SURVEYED	BY
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ORIGINAL SURVEY	DATE
SURVEYED	BY
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AREAS CHECKED	



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USER NAME = cesario
 DESIGNED *BD*
 DRAWN *JPS*
 CHECKED *BD*
 PLOT DATE = 9/14/2011

DESIGNED *BD*
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 DATE *08-29-2011*

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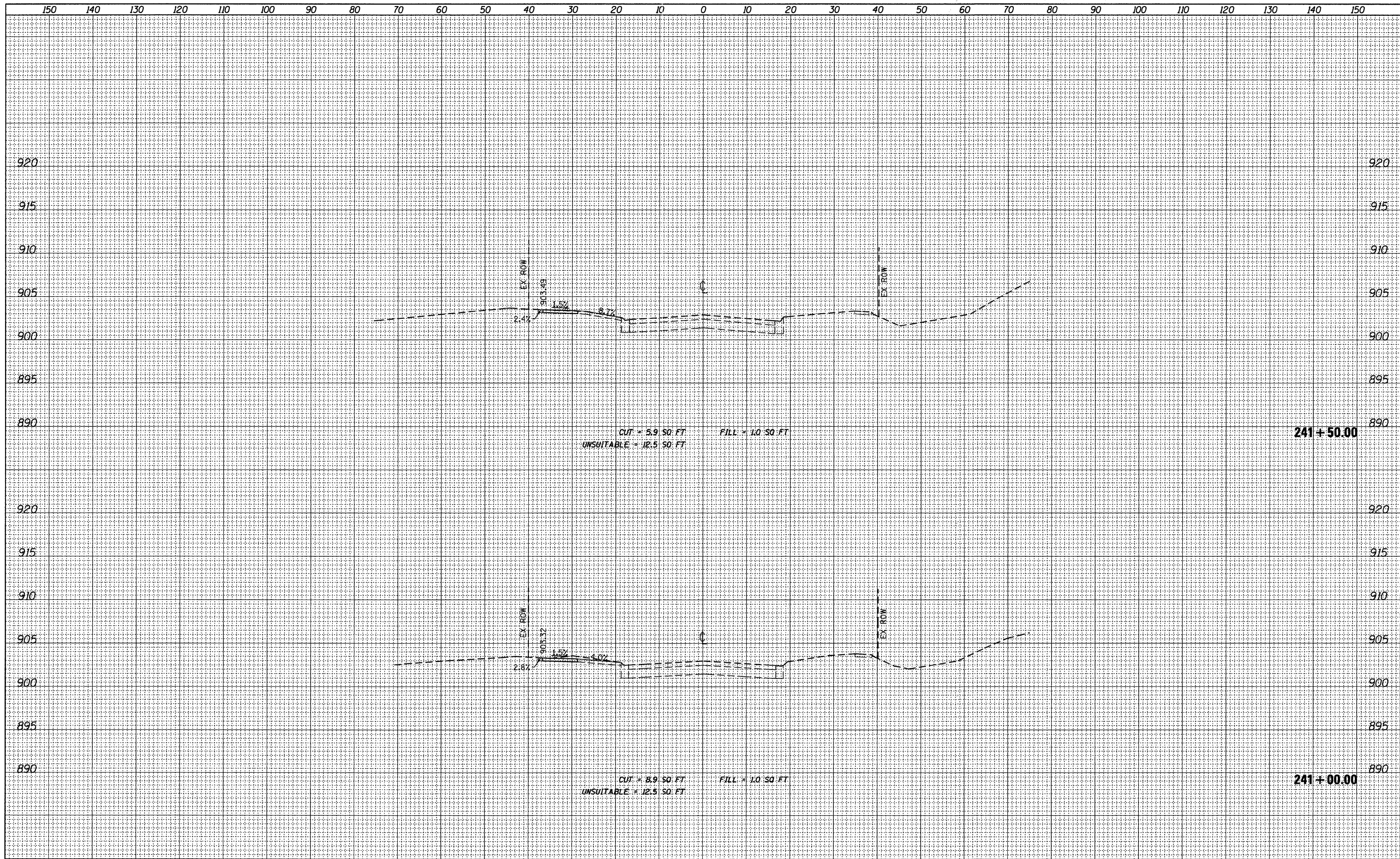
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CONGRESS PARKWAY CROSS SECTIONS
 1"=10' HORIZ.
 SCALE: 1"=5' VERT. SHEET NO. 77 OF 92 SHEETS STA. 240+00.00 TO STA. 240+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	77
				CONTRACT NO. 63519
ILLINOIS FED. AID PROJECT				

DATE	
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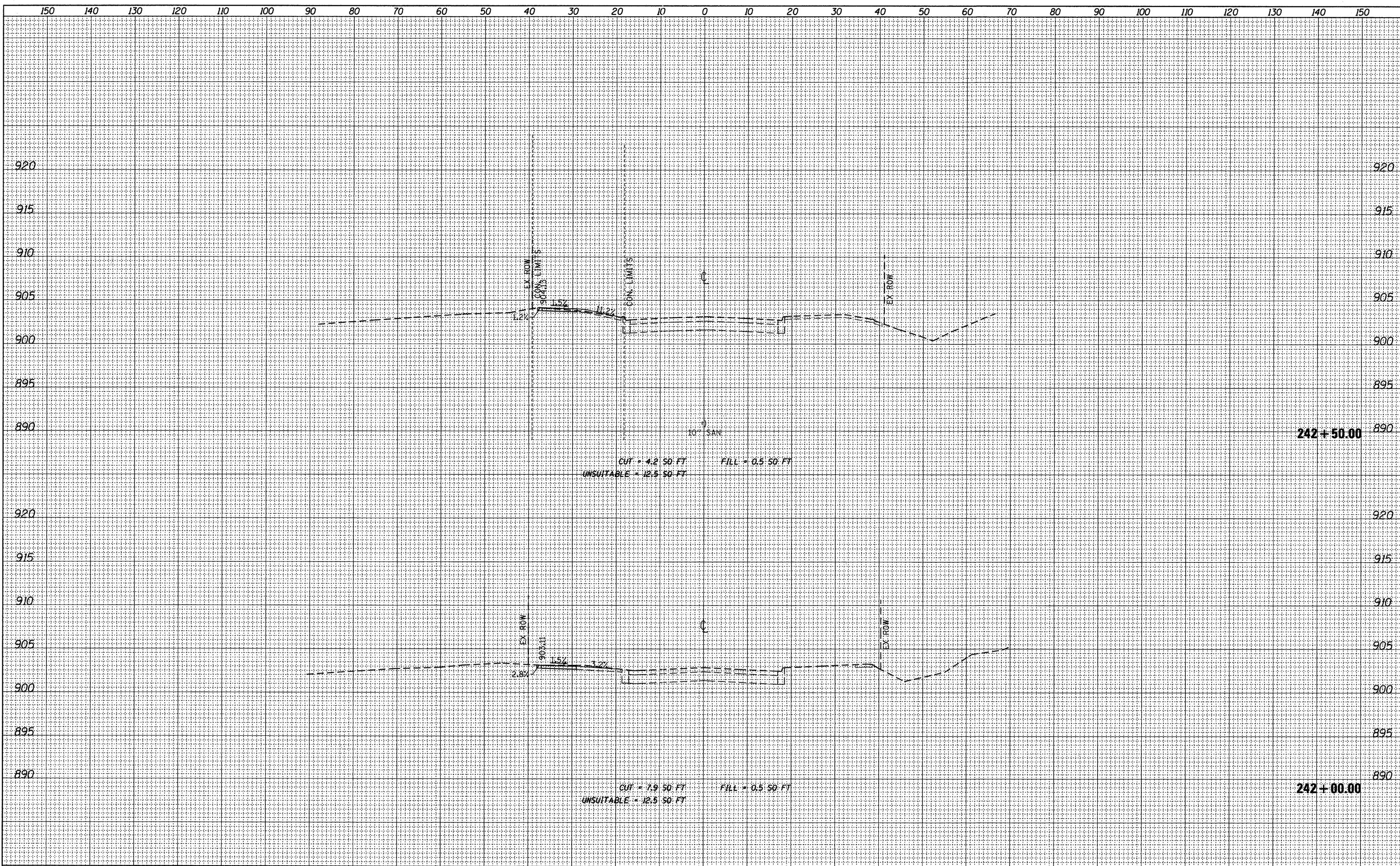
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FILE NAME = F:\396-064 Pingree Road\CADD_Sheets\ldot Form\163519_Congress.dgn	USER NAME = cesario	DESIGNED <i>BD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONGRESS PARKWAY CROSS SECTIONS	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
PLOT SCALE = 10.0000' / IN.	CHECKED <i>BD</i>	DATE <i>08-29-2011</i>	REVISED -			126	95-00090-01-FP	MCHENRY	92	78
PLOT DATE = 9/14/2011	DATE <i>08-29-2011</i>	REVISED -	SCALE: 1"=5' VERT. SHEET NO. 78 OF 92 SHEETS STA. 241+00.00 TO STA. 241+50.00			CONTRACT NO. 63519				
ILLINOIS FED. AID PROJECT										

FINAL SURVEY	DATE
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ORIGINAL SURVEY	DATE
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FILE NAME = F:\396-064 Pingree Road\CADD_Sheets\ldot Form\163519_Congress.dgn
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 DESIGNED *BD*
 DRAWN *JPS*
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 PLOT DATE = 9/14/2011

DESIGNED *BD*
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 DATE *08-29-2011*

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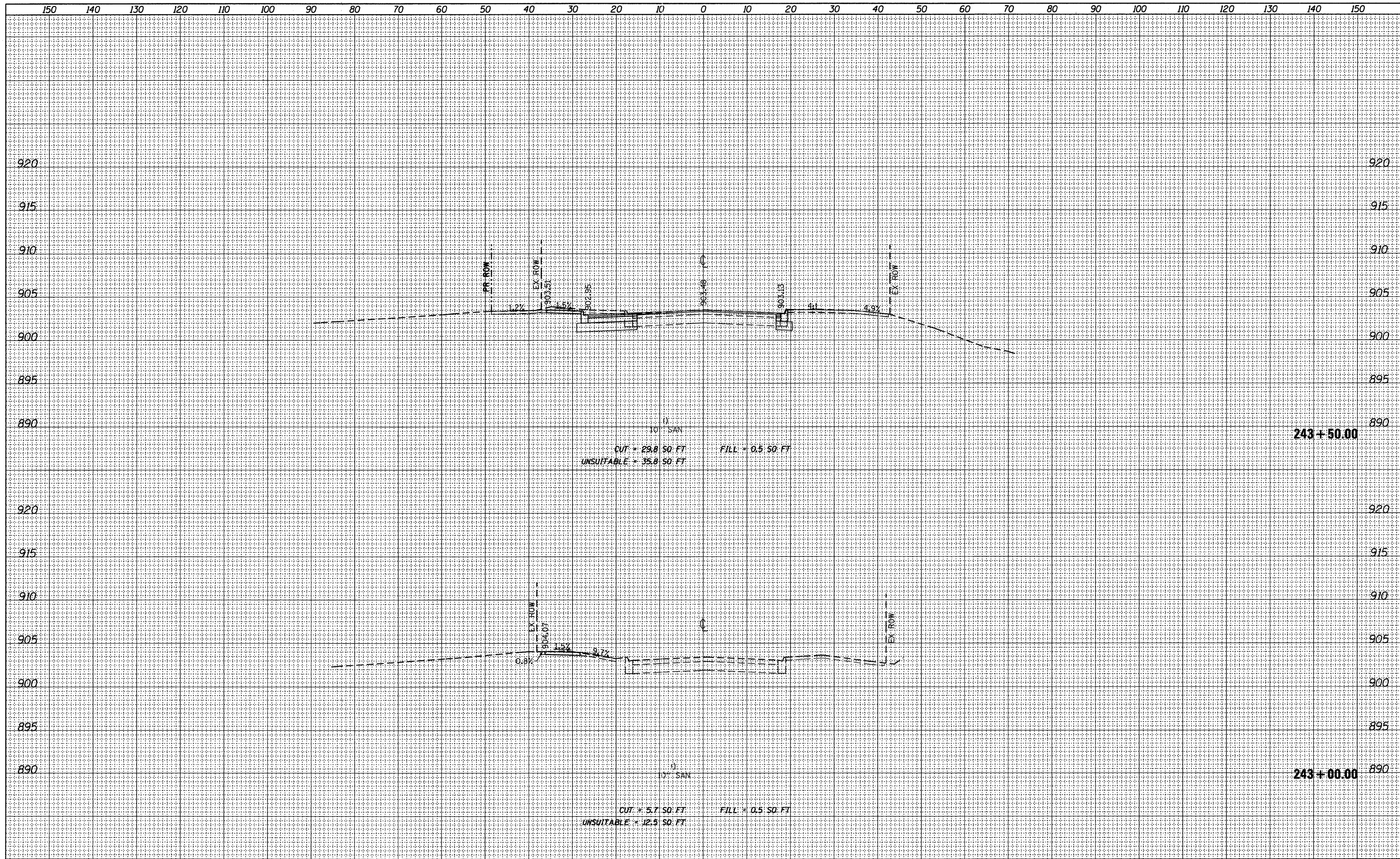
**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

CONGRESS PARKWAY CROSS SECTIONS
 1"=10' HORIZ.
 SCALE: 1"=5' VERT. SHEET NO. 79 OF 92 SHEETS STA. 242+00.00 TO STA. 242+50.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	79
				CONTRACT NO. 63519
ILLINOIS FED. AID PROJECT				

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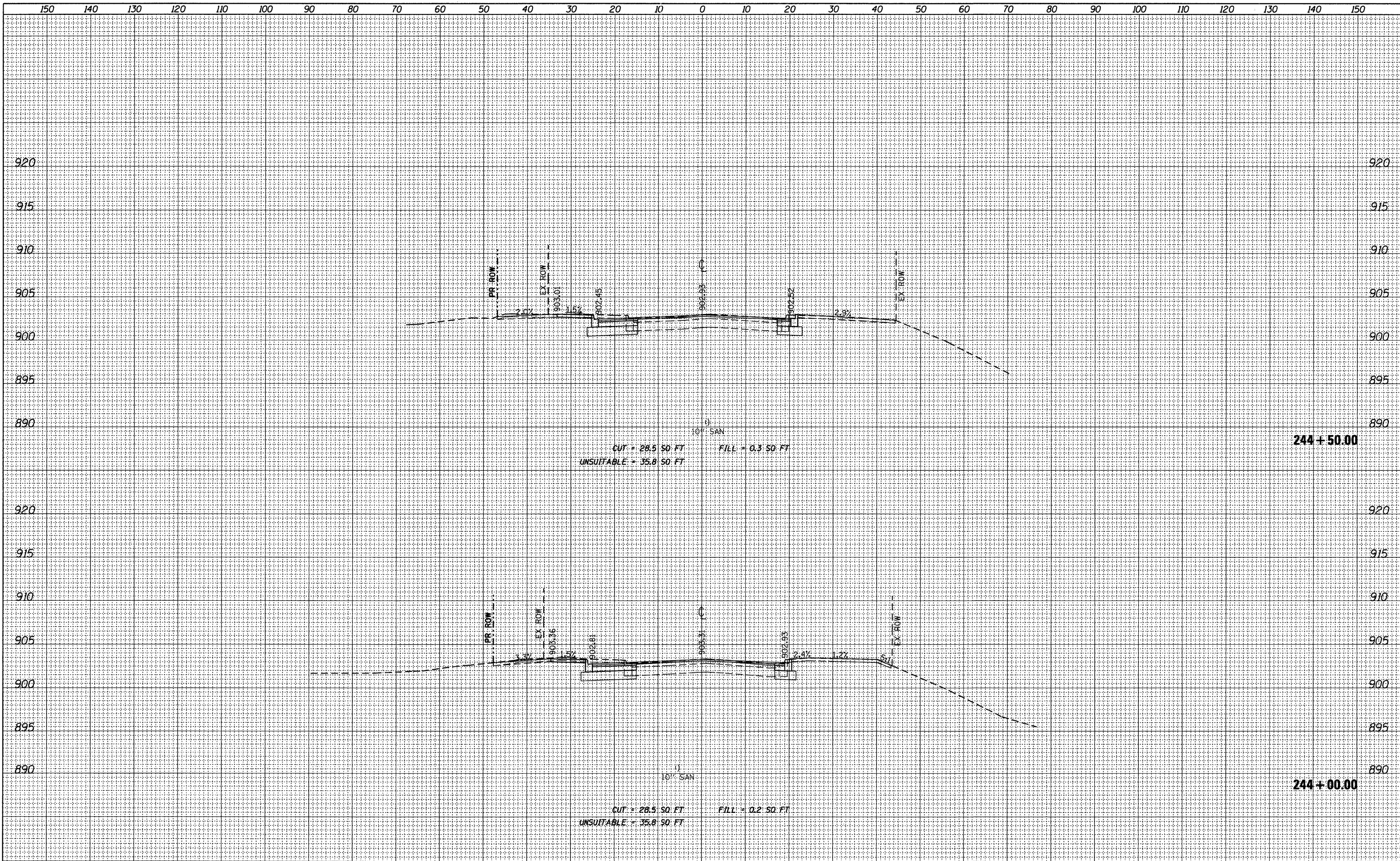
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	PLATE	
	AREAS CHECKED	



FILE NAME = F:\396-064 Pingree Road\CADD_Sheets\ldot Format\163519_Congress.dgn	USER NAME = cesario	DESIGNED <i>BD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONGRESS PARKWAY CROSS SECTIONS 1"=10' HORIZ. SCALE: 1"=5' VERT. SHEET NO. 80 OF 92 SHEETS STA. 243+00.00 TO STA. 243+50.00	F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY MCHENRY	TOTAL SHEETS 92	SHEET NO. 80
PLOT SCALE = 10.0000' / IN.	CHECKED <i>BD</i>	DATE 08-29-2011	REVISED -			CONTRACT NO. 63519				
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -	ILLINOIS FED. AID PROJECT							

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



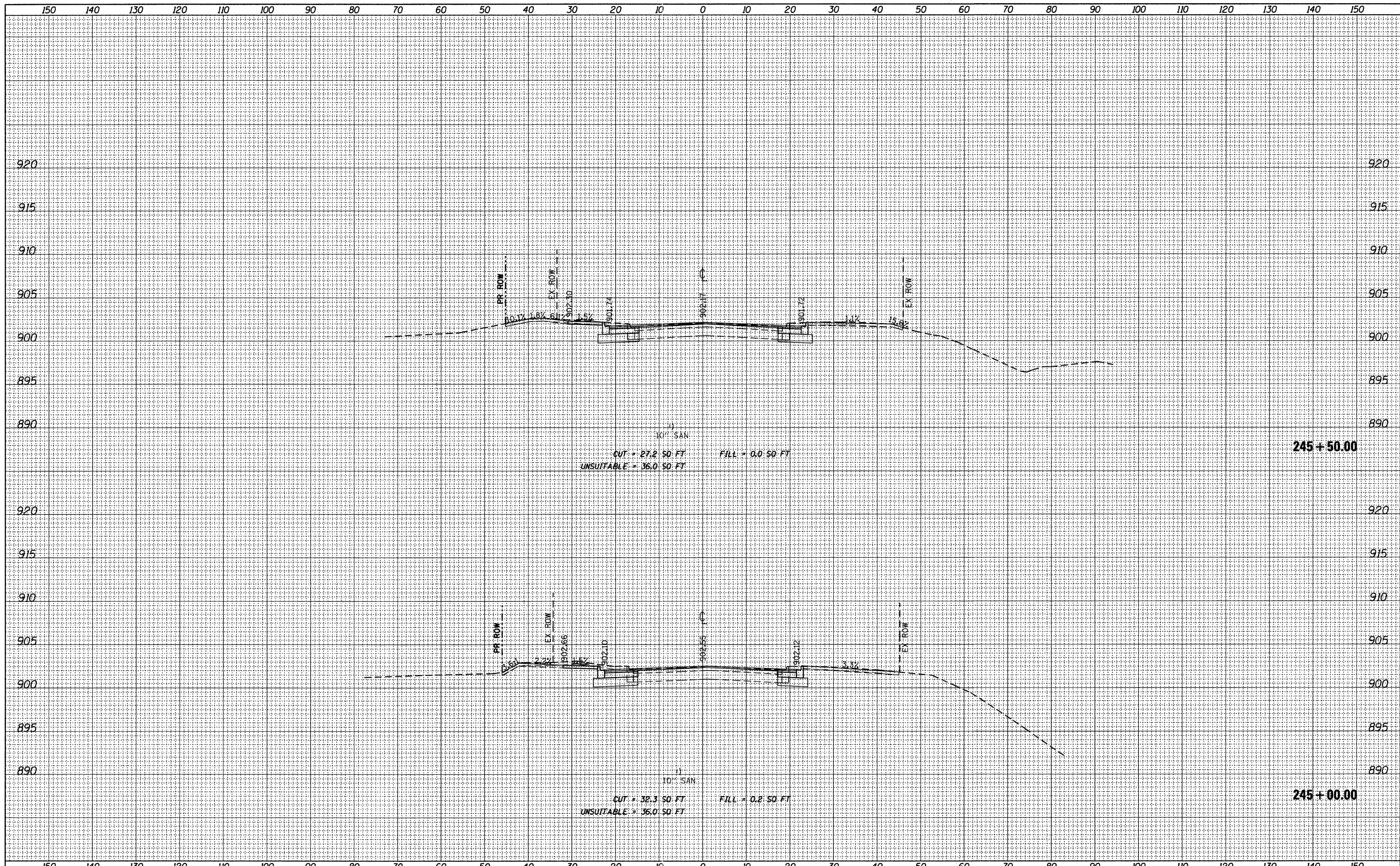
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 UNSUITABLE = 35.8 SQ. FT.

CUT = 28.5 SQ. FT. FILL = 0.2 SQ. FT.
 UNSUITABLE = 35.8 SQ. FT.

FILE NAME = F:\396-064 Pungree Road\CADD\Sheets\ldot Form\163519_Congress.dgn	USER NAME = cesario	DESIGNED <i>BD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONGRESS PARKWAY CROSS SECTIONS 1"=10' HORIZ. SCALE: 1"=5' VERT. SHEET NO. 81 OF 92 SHEETS STA. 244+00.00 TO STA. 244+50.00		F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY MCHENRY	TOTAL SHEETS 92	SHEET NO. 81
PLOT SCALE = 10.0000' / IN.	DRAWN <i>JPS</i>	CHECKED <i>BD</i>	REVISED -		CONTRACT NO. 63519		ILLINOIS FED. AID PROJECT				
PLOT DATE = 9/14/2011	DATE <i>08-29-2011</i>		REVISED -								

FINAL SURVEY	DATE
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AREAS CHECKED	

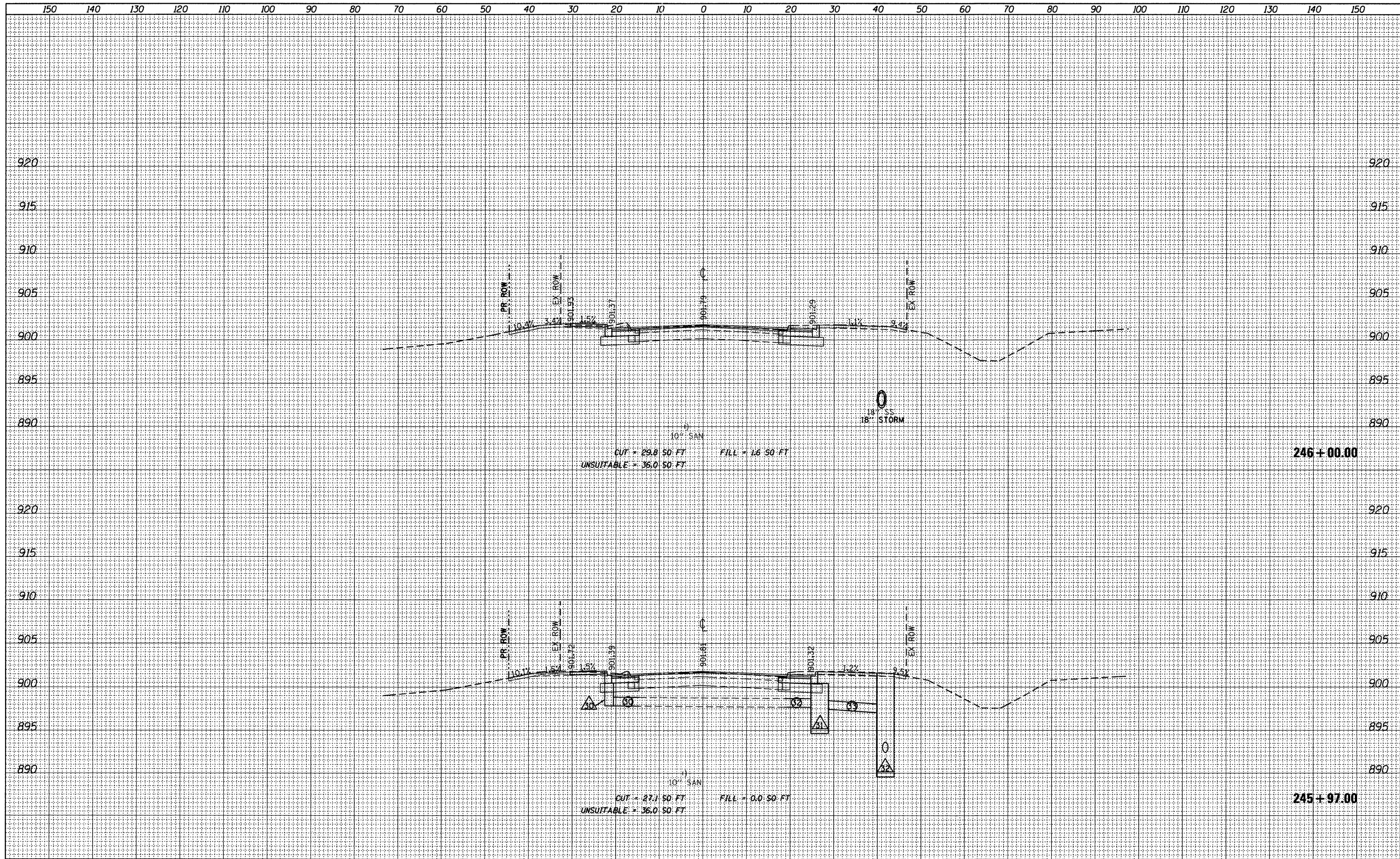
ORIGINAL SURVEY	DATE
SURVEYED	BY
NOTE BOOK	
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TEMPLATE	
AREAS CHECKED	



FILE NAME = F:\398-264 Pingree Road\CADD_Sheets\1dot Form\163519_Congress.dgn	USER NAME = cesario	DESIGNED <i>BD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONGRESS PARKWAY CROSS SECTIONS 1"=10' HORIZ. SCALE: 1"=5' VERT. SHEET NO. 82 OF 92 SHEETS STA. 245+00.00 TO STA. 245+50.00	F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY MCHENRY	TOTAL SHEETS 92	SHEET NO. 82
PLOT SCALE = 10.0000' / IN.	CHECKED <i>BD</i>	DATE 08-29-2011	REVISED -			CONTRACT NO. 63519				
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -	ILLINOIS FED. AID PROJECT							

FINAL SURVEY	DATE
SURVEYED	BY
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NOTE BOOK	
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ORIGINAL SURVEY	DATE
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PLOTTED	
NOTE BOOK	
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FILE NAME = F:\396-064 Pingree Road\CADD_Sheets\ldot Format\163519_Congress.dgn

USER NAME = cesario
 DESIGNED *BD*
 DRAWN *JPS*
 CHECKED *BD*
 PLOT DATE = 9/14/2011

DESIGNED *BD*
 DRAWN *JPS*
 CHECKED *BD*
 DATE *08-29-2011*

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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

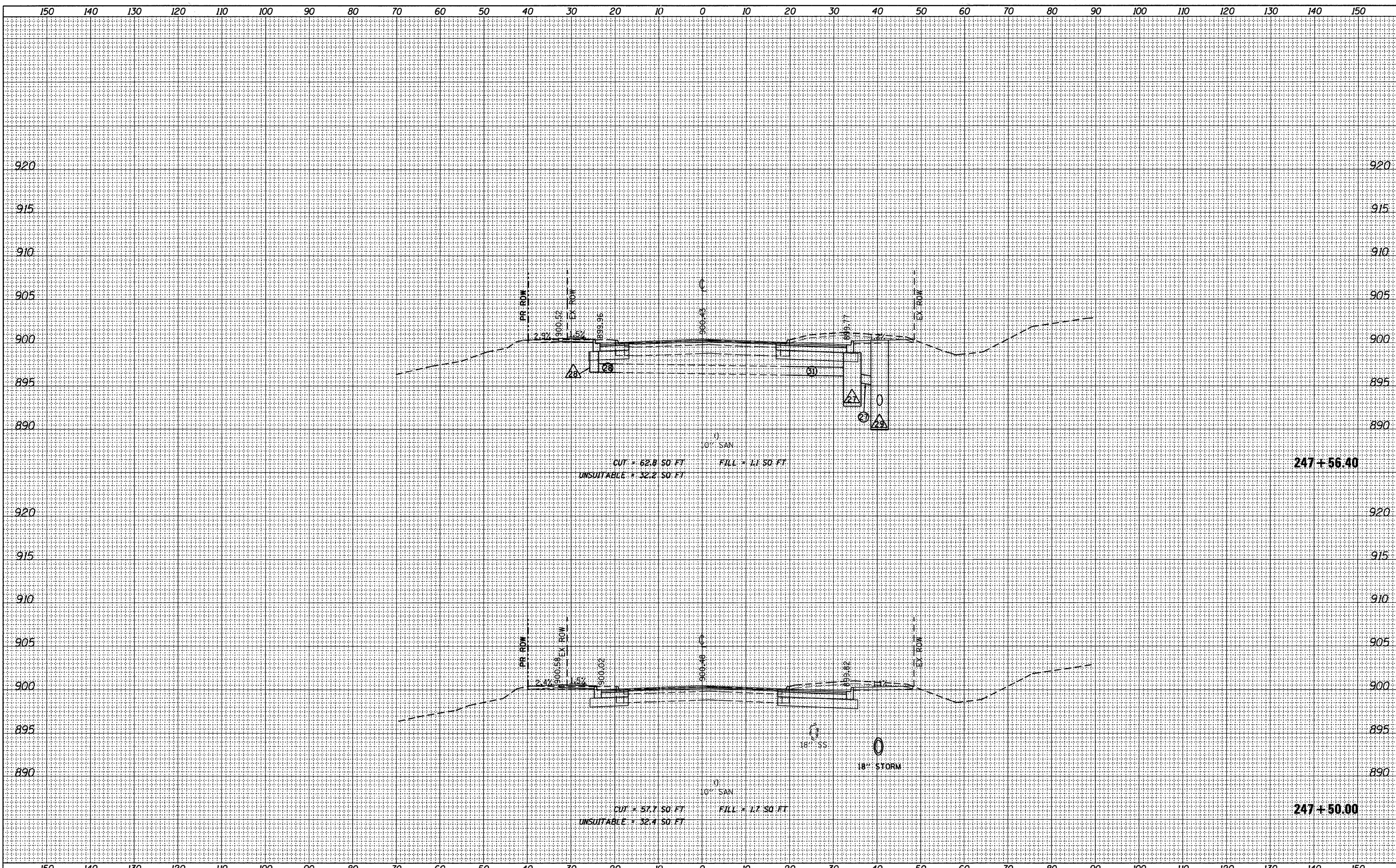
CONGRESS PARKWAY CROSS SECTIONS

1"=10' HORIZ.
 SCALE: 1"=5' VERT. SHEET NO. 83 OF 92 SHEETS STA. 245+97.00 TO STA. 246+00.00

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	83
CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

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

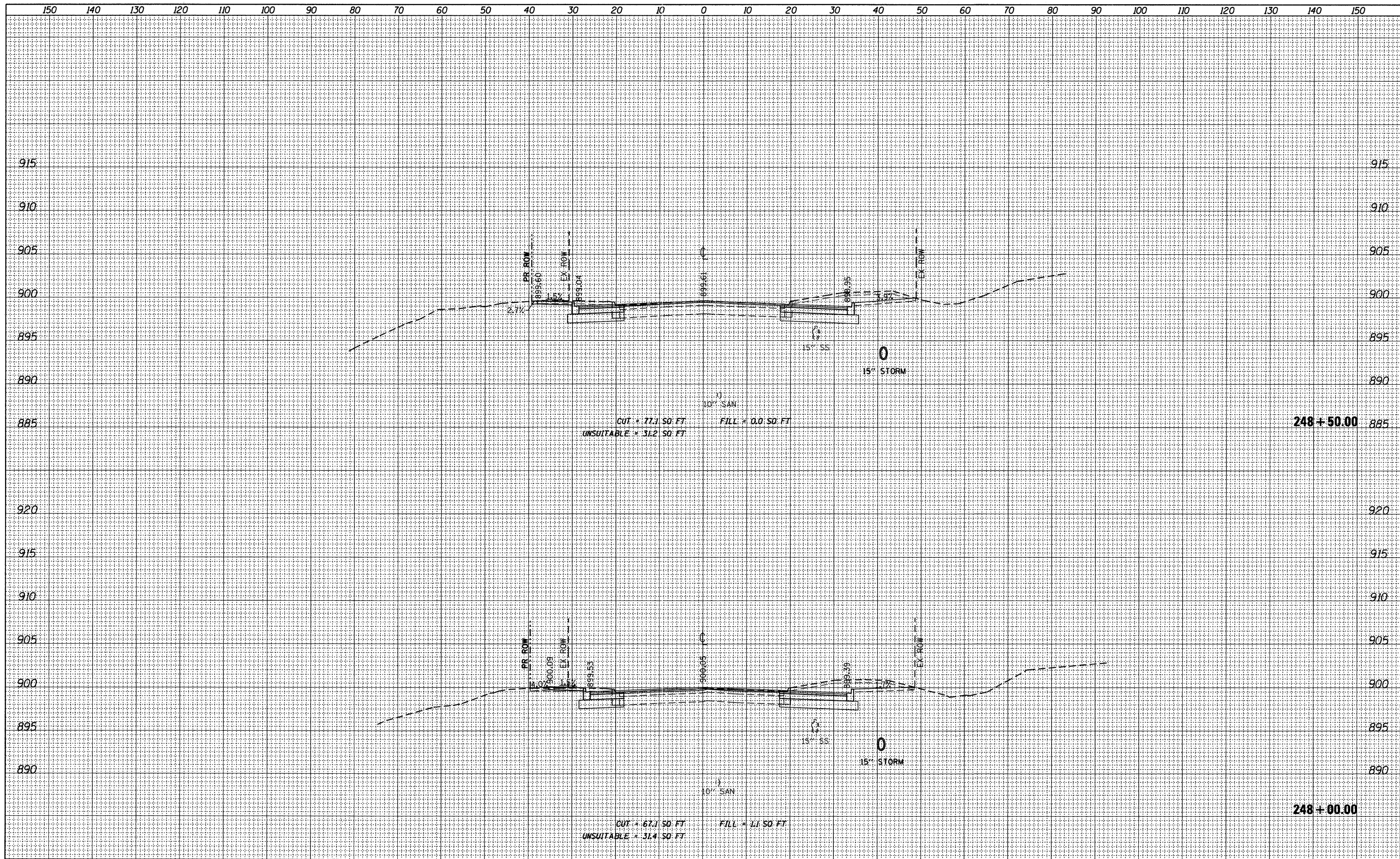
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NOTE BOOK	PLOTTED	BY
NO.	DATE	
	AREAS	CHECKED



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	PLOT SCALE = 10.0000' / IN.	DRAWN <i>JPS</i>	REVISED -			SHEET NO. 85 OF 92 SHEETS	STA. 247+50.00 TO STA. 247+56.40	CONTRACT NO. 63519		ILLINOIS FED. AID PROJECT	
	PLOT DATE = 9/14/2011	CHECKED <i>BD</i>	REVISED -								
		DATE <i>08-29-2011</i>	REVISED -								

FINAL SURVEY	DATE
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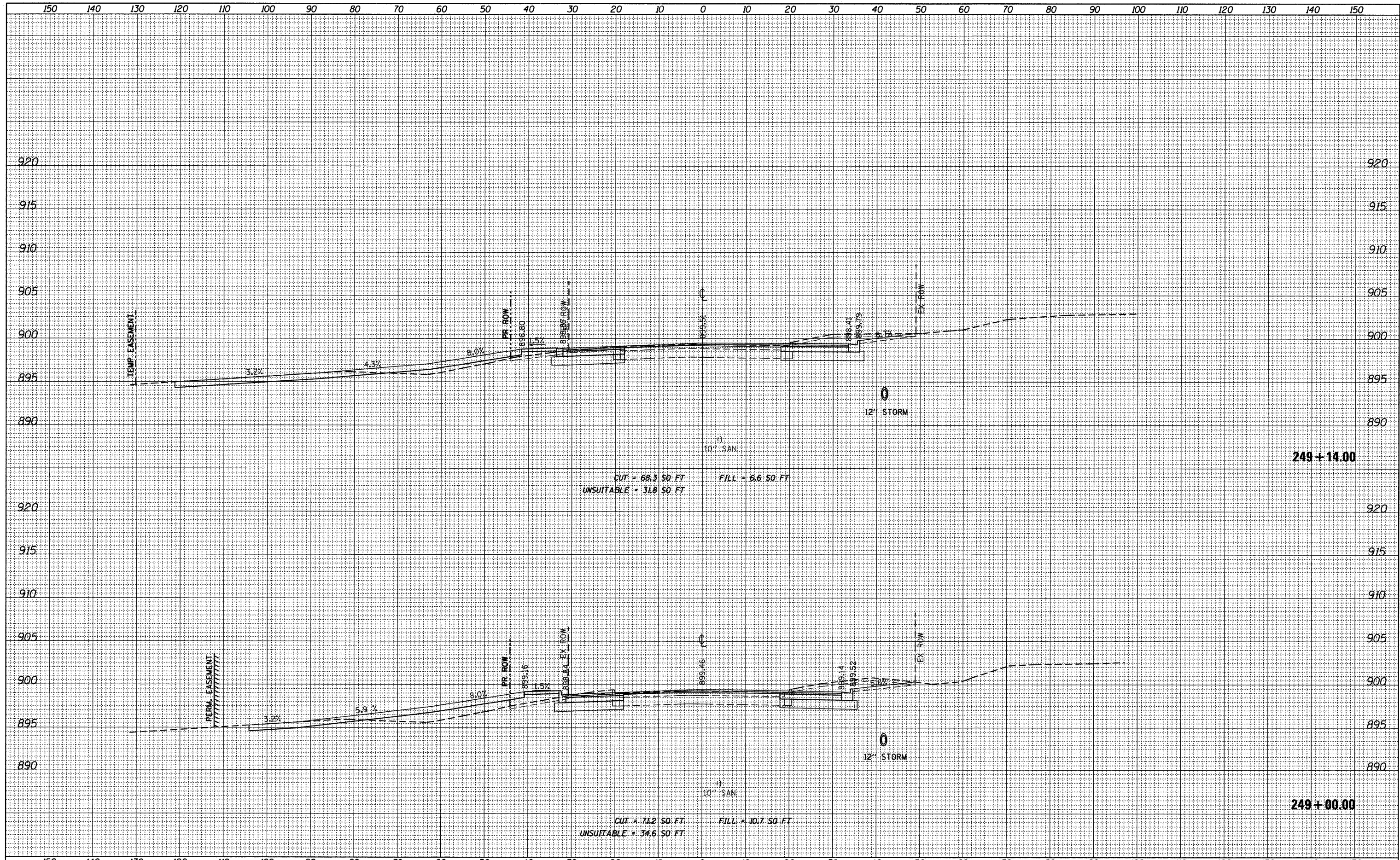
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SURVEYED	BY
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PLOT SCALE = 10.0000' / IN.	CHECKED <i>BD</i>	DATE <i>08-29-2011</i>	REVISED -					126	95-00090-01-FP	MCHENRY	92	86
PLOT DATE = 9/14/2011			REVISED -					CONTRACT NO. 63519			ILLINOIS FED. AID PROJECT	

FINAL SURVEY	DATE
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NOTE BOOK	
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ORIGINAL SURVEY	DATE
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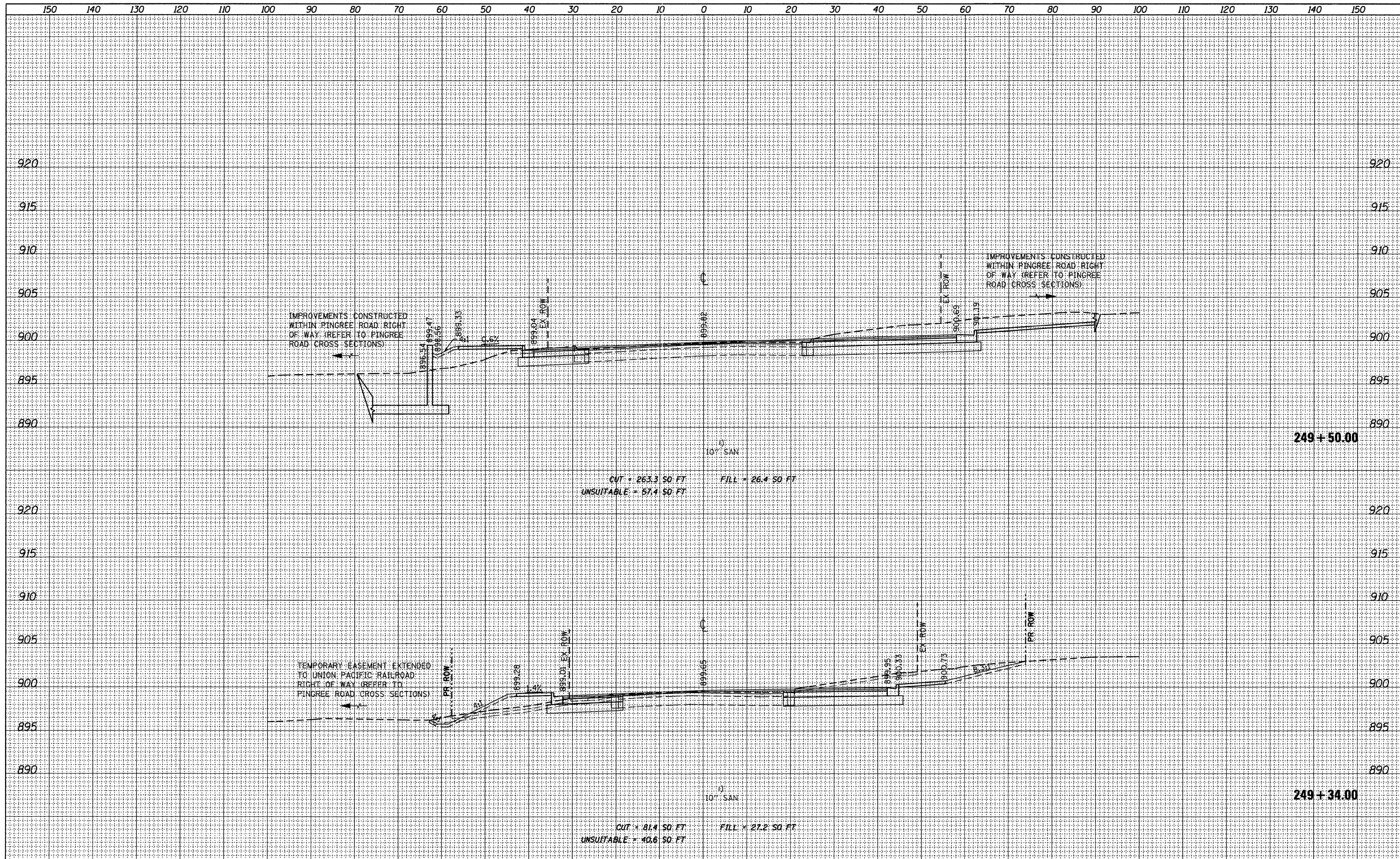
CUT = 68.3 SO. FT
 FILL = 6.6 SO. FT
 UNSUITABLE = 31.8 SO. FT

CUT = 71.2 SO. FT
 FILL = 10.7 SO. FT
 UNSUITABLE = 34.6 SO. FT

FILE NAME =	USER NAME = cesario	DESIGNED <i>BD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	CONGRESS PARKWAY CROSS SECTIONS 1"=10' HORIZ. SCALE: 1"=5' VERT. SHEET NO. 87 OF 92 SHEETS STA. 249+00.00 TO STA. 249+14.00	F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.	
F:\396-064 Pingree Road\CADD\Sheets\ldot Form\163519_Congress.dgn	PLLOT SCALE = 10.0000' / IN.	DRAWN <i>JPS</i>	REVISED -			126	95-00090-01-FP	MCHENRY	92	87	
PLLOT DATE = 9/14/2011	DATE <i>08-29-2011</i>	CHECKED <i>BD</i>	REVISED -			CONTRACT NO. 63519					
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FINAL SURVEY	DATE
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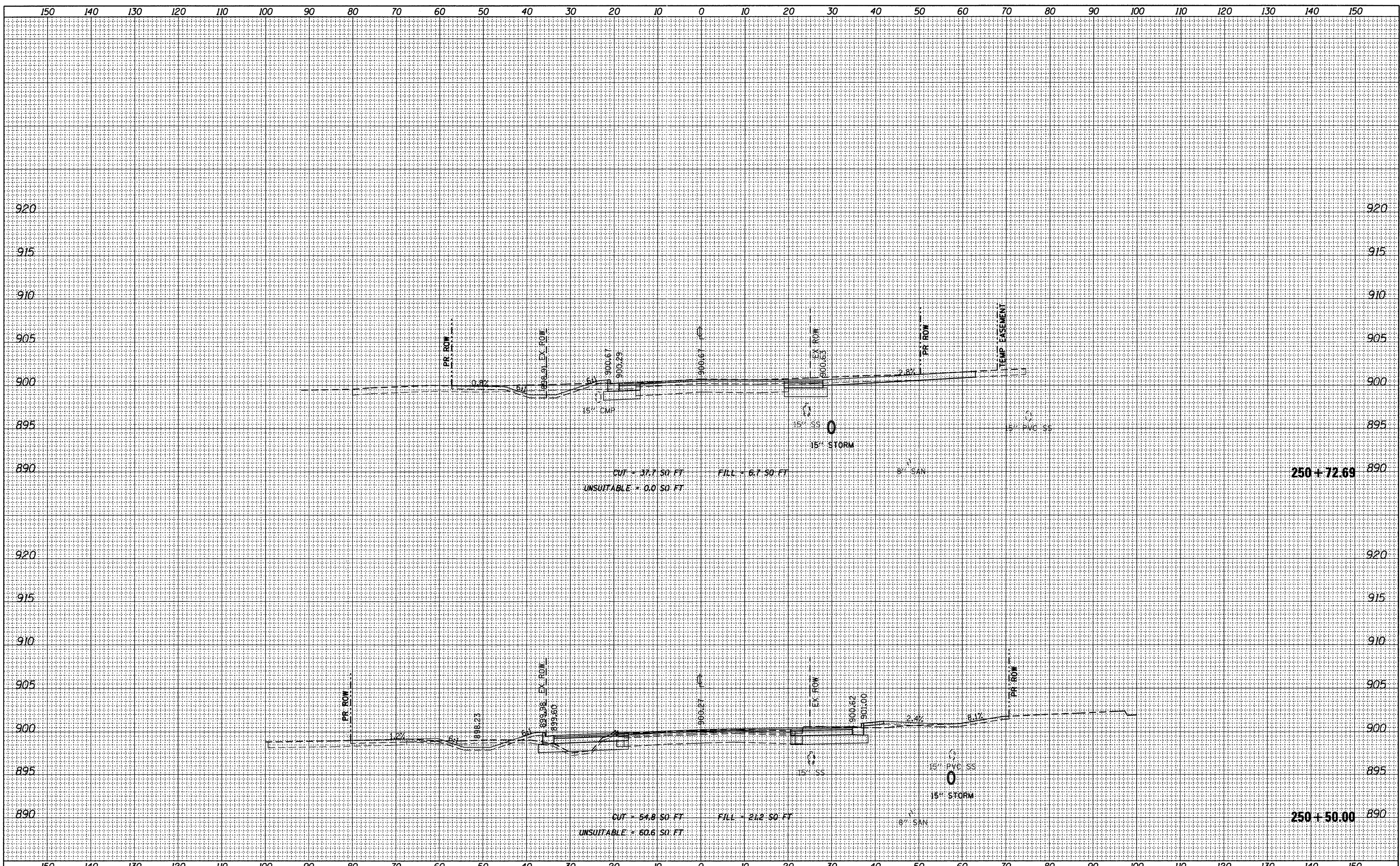
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SURVEYED	BY
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NOTE BOOK	
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PLOT SCALE = 10.0000' / IN.	CHECKED <i>BD</i>	DATE 08-29-2011	REVISED -			SCALE: 1"=10' HORIZ. SCALE: 1"=5' VERT. SHEET NO. 88 OF 92 SHEETS STA. 249+34.00 TO STA. 249+50.00		CONTRACT NO. 63519		ILLINOIS FED. AID PROJECT	
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISED -	REVISED -								

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FILE NAME = F:\396-064 P\rgree Road\CADD\Sheets\ldot Form\10163519_Rickert.dgn

USER NAME = cesario
 DESIGNED *BD*
 DRAWN *JPS*
 CHECKED *BD*
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

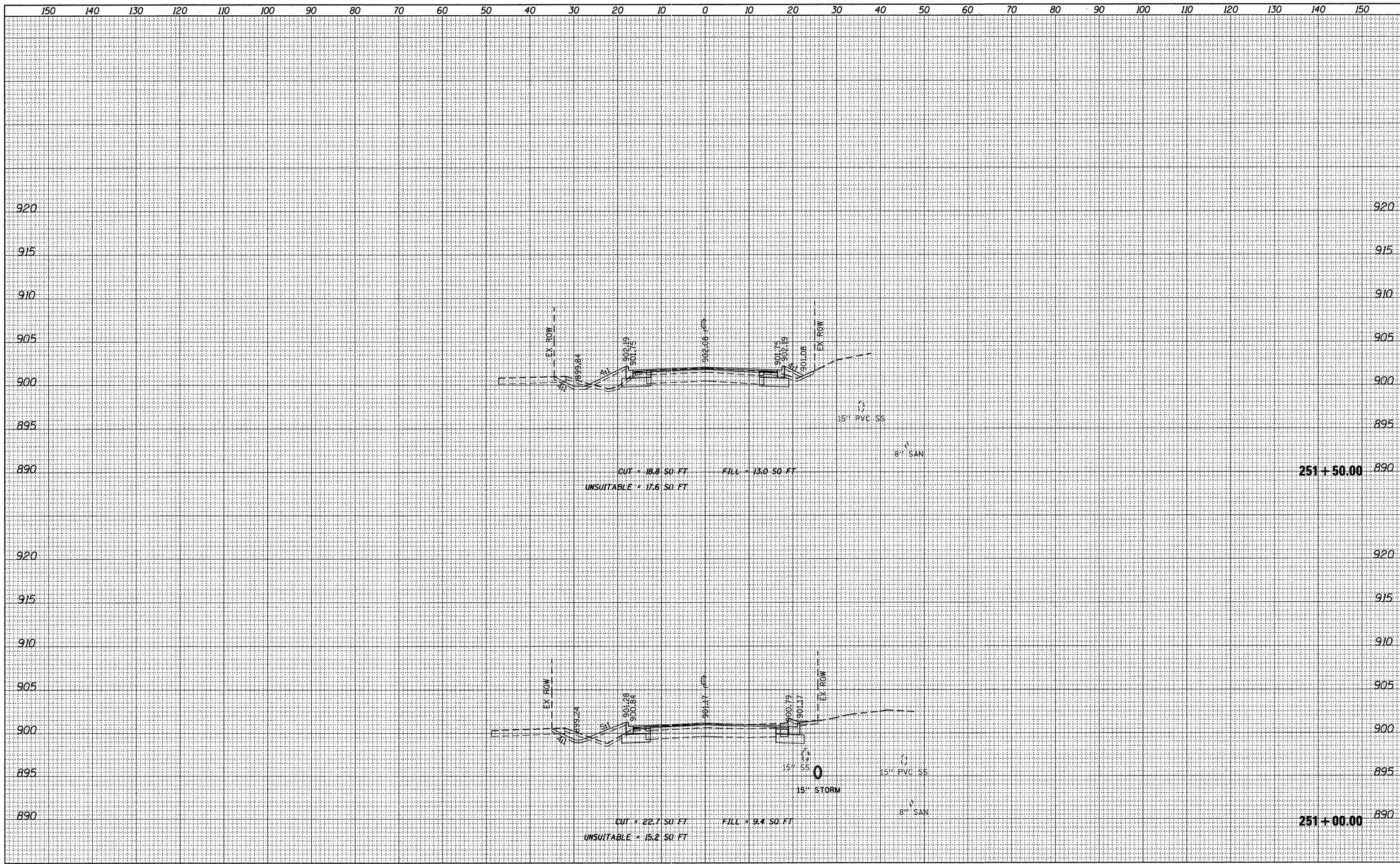
RICKERT ROAD CROSS SECTIONS
 1"=10' HORIZ.
 SCALE: 1"=5' VERT. SHEET NO. 89 OF 92 SHEETS STA. 250+50.00 TO STA. 250+72.69

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
126	95-00090-01-FP	MCHENRY	92	89
CONTRACT NO. 63519				

ILLINOIS FED. AID PROJECT

FINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
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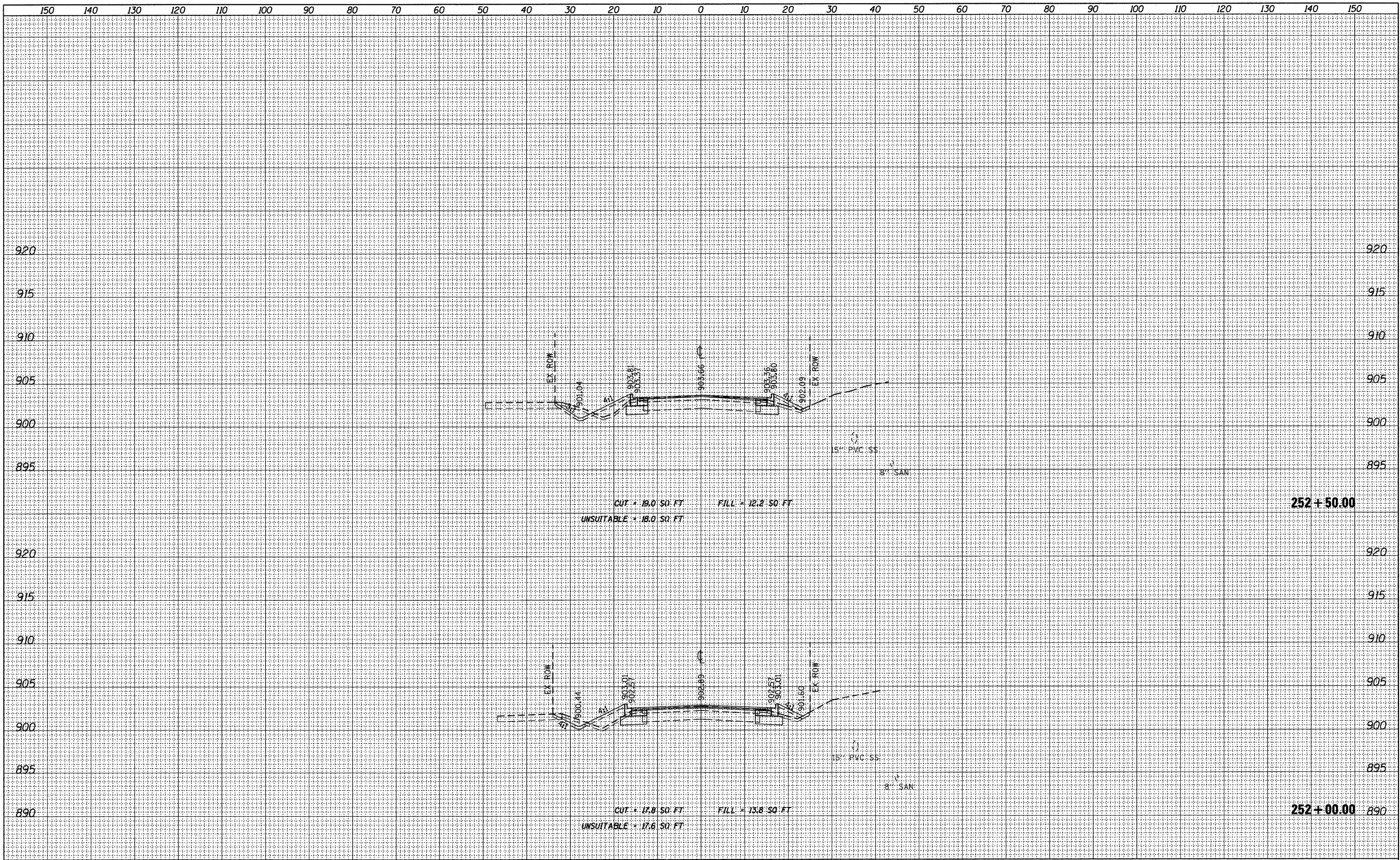
ORIGINAL SURVEY	SURVEYED	DATE
NOTE BOOK	PLOTTED	BY
NO.	AREAS	CHECKED
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PLOT SCALE = 10.0000' / IN.	CHECKED <i>BD</i>	REVISIED -	REVISIED -			SHEET NO. 90 OF 92 SHEETS		CONTRACT NO. 63519		ILLINOIS FED. AID PROJECT	
PLOT DATE = 9/14/2011	DATE 08-29-2011	REVISIED -	REVISIED -			SCALE: 1"=5' VERT. STA. 251+00.00 TO STA. 251+50.00					

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

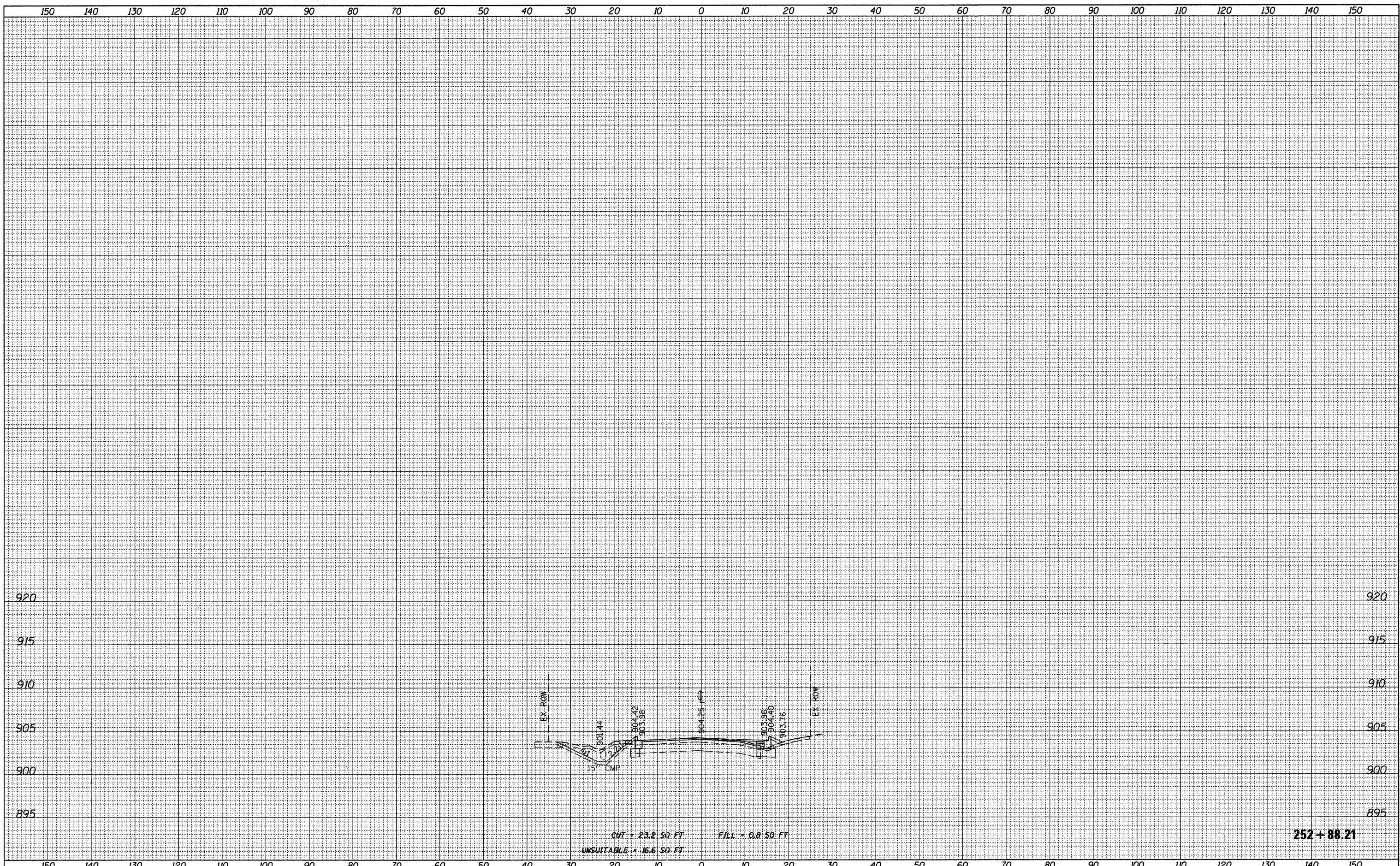
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NOTE BOOK	PLOTTED	BY
NO.	DATE	
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	\D183519_Rickert.dgn	DRAWN <i>JPS</i>	REVISED -			SCALE: 1"=10' HORIZ. SCALE: 1"=5' VERT.	SHEET NO. 91 OF 92 SHEETS	STA. 252+00.00 TO STA. 252+50.00	CONTRACT NO. 63519			
	PLOT SCALE = 10,0000 ' / IN.	CHECKED <i>BD</i>	REVISED -			[ILLINOIS] FED. AID PROJECT						
	PLOT DATE = 9/14/2011	DATE <i>08-29-2011</i>	REVISED -									

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

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



FILE NAME = F:\396-064 P\ngree Road\CADD\Sheets\1dot Form	USER NAME = cesario	DESIGNED <i>BD</i>	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	RICKERT ROAD CROSS SECTIONS	F.A.U. RTE. 126	SECTION 95-00090-01-FP	COUNTY MCHENRY	TOTAL SHEETS 92	SHEET NO. 92		
	\D163519_Rickert.dgn	DRAWN <i>JPS</i>	REVISED -			SCALE: 1"=10' HORIZ. SCALE: 1"=5' VERT.	SHEET NO. 92 OF 92 SHEETS	STA. 252+88.21 TO STA. 252+88.21	CONTRACT NO. 63519			
	PLOT SCALE = 10.0000' / IN.	CHECKED <i>BD</i>	REVISED -			ILLINOIS FED. AID PROJECT						
	PLOT DATE = 9/14/2011	DATE <i>08-29-2011</i>	REVISED -									