

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141/201	*	46	1

*OGLE/WINNEBAGO

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

**PROPOSED
FIBER OPTIC FACILITY**

ROUTE FAI 39 (I-39)
SECTION (141 /201) FIBER OPTICS
PROJECT
OGLE / WINNEBAGO COUNTIES
C-92-032-07

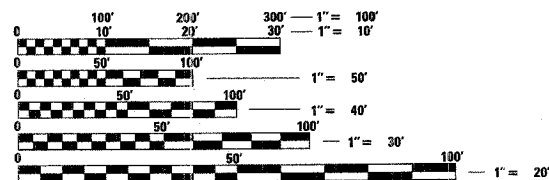
D-92-015-07



FOR INDEX OF SHEETS, SEE SHEET NO. 2
FOR LIST OF IDOT HIGHWAY STANDARDS, SEE SHEET NO. 2
FOR LIST OF IDOT DISTRICT-2 STANDARDS, SEE SHEET NO. 2

PROJECT ENGINEER: MASOOD AHMAD

WIGHT & COMPANY: CRAIG CHAMBERS (630) 969-7000
LIAISON ENGINEER: SAMEER ABDULLAH (815) 284-5935



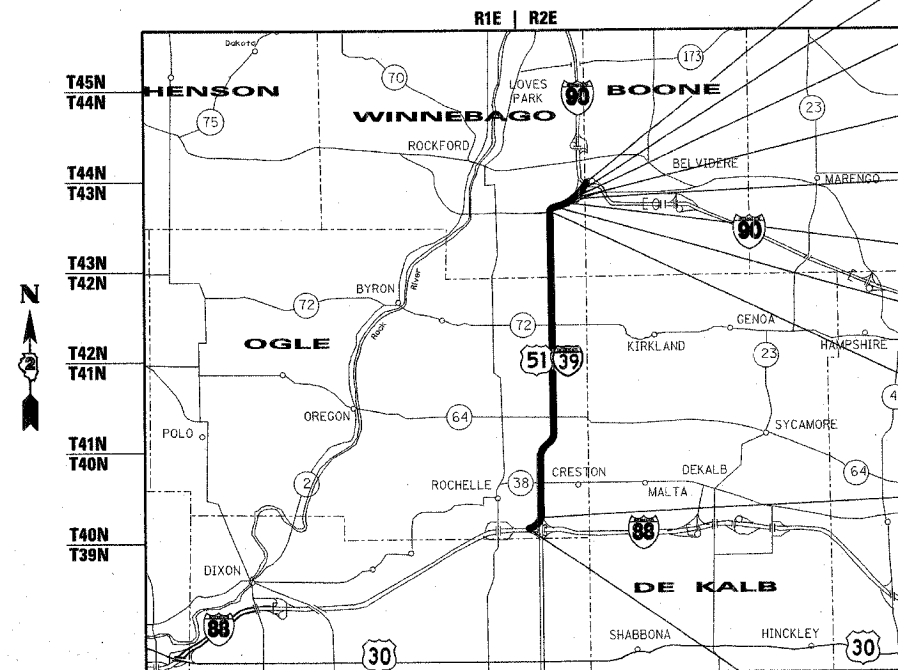
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS, THE ABOVE SCALES MAY BE USED.

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

CONTRACT NO. 64C83

OGLE COUNTY
TOWNSHIP (SECTION)
DEMENT (4, 5, 8, 9, 16, 17, 20, 21, 28, 29, 32)
LYNNVILLE (4, 5, 8, 9, 16, 17, 20, 21, 28, 29, 32, 33)
MONROE (5, 8, 17, 20, 29, 32)

WINNEBAGO COUNTY
TOWNSHIP (SECTION)
ROCKFORD SOUTHEAST PART (9, 16, 17, 20, 29, 32)
CHERRY VALLEY (2, 3, 9, 10)
ROCKFORD NORTHEAST PART (35)



- PROJECT ENDS
STA. 16+95 (I-90 SB ON RAMP)
- STATION EQUATION #8
STA. 19+40 (I-90 SPUR)
- STA. 0+00 (I-90 SB ON RAMP)
- STATION EQUATION #7
STA. 893+25.98 (U.S. ROUTE 20 /I-39)
- STA. 10+00 (I-90 SPUR)
- STATION EQUATION #6
STA. 29+41.22 (RAMP DB)
- STA. 891+55.86 (U.S. ROUTE 20 /I-39)
- STATION EQUATION #5
STA. 30+00 (RAMP AD)
- STA. 3+90 (RAMP DB)
- STATION EQUATION #4
STA. 855+55 (U.S. ROUTE 20 /I-39)
- STA. 0+00 (RAMP AD)
- STATION EQUATION #3
STA. 72+14.51 (RAMP DB)
- STA. 744+28.03 (U.S. ROUTE 20 /I-39)
- STATION EQUATION #2
STA. 2543+88.01 (I-39)
- STA. 31+00.00 (RAMP DB)
- STATION EQUATION #1
STA. 0+00 (RAMP H)
- STA. 1432+85.65 (I-39)

GROSS LENGTH OF IMPROVEMENT 138,930.18' = 26.31 MILES
NET LENGTH OF IMPROVEMENT 138,930.18' = 26.31 MILES

PROJECT BEGINS
STA. 42+30 (RAMP H)

Wight

Wight & Company
2200 North Flottage Road, Dixon, IL 60591
630.969.7000 630.969.7979 fax
Design Firm Registration 184-000451



Craig Chambers

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS

SUBMITTED *January 15* 20 06

Joseph S. Cannon
DEPUTY DIRECTOR OF HIGHWAYS, REGION ENGINEER

February 2 20 07
Eric E. Horn
ENGINEER OF DESIGN AND ENVIRONMENT

February 2 20 07
Milton R. Secor, P.E.
DIRECTOR OF HIGHWAYS, CHIEF ENGINEER

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OF THE STATE OF ILLINOIS

SECTION (141/201)
TOWNSHIPS 39N, 40N, 41N, 42N, 43N, 44N
RANGE 2 EAST

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	2
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*OGLE / WINNEBAGO				

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4	SCHEDULE OF QUANTITIES
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31-32	FIBER PLAN: I-39 (STA. 2510+00 - STA. 2543+88.01) RAMP DB (STA. 31+00 - STA. 72+14.51) U.S. ROUTE 20 / I-39 (STA. 744+28.03 - STA. 755+00)
33	FIBER PLAN: U.S. ROUTE 20 / I-39 (STA. 755+00 - STA. 836+00)
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36	FIBER PLAN: I-90 SPUR (STA. 10+00 - STA. 19+40) I-90 SB ON RAMP (STA. 0+00 - STA. 16+95)
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IDOT HIGHWAY STANDARDS

STD. NO.	TITLE
280001-03	TEMPORARY EROSION CONTROL SYSTEM
664001-01	CHAIN LINK FENCE
665001-01	WOVEN WIRE FENCE
701101-01	OFF-ROAD OPERATIONS, MULTILANE, 4.5m (15' TO 600mm (24") FROM PAVEMENT EDGE
701106-01	OFF-ROAD OPERATIONS, MULTILANE, MORE THAN 4.5m (15') AWAY
701400-02	APPROACH TO LANE CLOSURE FREEWAY/EXPRESSWAY
701406-04	LANE CLOSURE, FREEWAY/EXPRESSWAY, DAY OPERATING ONLY
701426-02	LANE CLOSURE, MULTILANE, INTERMITTENT OR MOVING OPERATION, FOR SPEEDS ≥ 45 MPH TO 55 MPH
702001-06	TRAFFIC CONTROL DEVICES
720011	METAL POSTS FOR SIGNS, MARKERS AND DELINEATORS
728001	TELESCOPING STEEL SIGN SUPPORT
729001	APPLICATIONS OF TYPES A AND B METAL POSTS (FOR SIGNS AND MARKERS)
000001-04	STANDARD SYMBOLS, ABBREVIATIONS AND PATTERNS

ISTHA STANDARDS

DWG. NO.	STD. NO.	TITLE
D5	SD 03-9A	SYMBOLS AND PATTERNS (SHEET 1 OF 5)
D6	SD 03-9A	SYMBOLS AND PATTERNS (SHEET 2 OF 5)
D7	SD 03-9A	SYMBOLS AND PATTERNS (SHEET 3 OF 5)
D8	SD 03-9A	SYMBOLS AND PATTERNS (SHEET 4 OF 5)
D9	SD 03-9A	SYMBOLS AND PATTERNS (SHEET 5 OF 5)
E4	SD 04-11B	CONSTRUCTION SIGNS II (SHEET 1 OF 2)
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E6	SD 04-11C	CONSTRUCTION SIGNS III
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K4	ESC-03-01	TEMPORARY EROSION AND SEDIMENT CONTROLS (SHEET 4 OF 12)
K5	ESC-03-01	TEMPORARY EROSION AND SEDIMENT CONTROLS (SHEET 5 OF 12)

IDOT DIST 2 STANDARD

STD. NO.	TITLE
2.1	STORM WATER POLLUTION PREVENTION PLAN EROSION CONTROL PLAN (DIST STD 2.1)

PLOT DATE = 12/14/2006
 FILE NAME = G:\ENVO\06-6796-13 IDOT\GIS\SHA\SHT002_Indx.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = P02014

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		INDEX OF SHEETS / LIST OF HIGHWAY STANDARDS SCALE: VERT. N/A HORIZ. N/A DATE: DECEMBER 15, 2006 DRAWN BY CKL CHECKED BY CAC

SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	4
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*0GL / WINNEBAGO				

AGRICULTURAL FIELD TILE REPAIR SCHEDULE

STATION	OFFSET	20800150	60100915	60100925	61100500
		TRENCH BACKFILL CU. YD.	PIPE DRAINS 6" FOOT	PIPE DRAINS 8" FOOT	EXPLORATION TRENCH, 52 IN. DEPTH FOOT
2238+35	160' LT	7.75		4	4
2245+35	170' LT	7.75	4		4
2247+35	160' LT	7.75	4		4
2262+35	170' LT	7.75	4		4
SUB-TOTAL		31.0	12	4	16

1-1/4" CONDUIT IN AREAS OF ROCK EXCAVATION SCHEDULE

STATION FROM	OFFSET	STATION TO	OFFSET	50200400	81017515	81900200
				ROCK EXCAVATION FOR STRUCTURES CU. YD.	CONDUIT IN TRENCH, 1-1/4" DIA. COILABLE NON-METALLIC CONDUIT FOOT	TRENCH AND BACKFILL FOR ELECTRICAL WORK FOOT
1560+00	LT	1567+00	LT	51.9	(3)(700) = 2100	700
1711+40	LT	1722+90	LT	85.2	(3)(1150) = 3450	1150
1788+00	LT	1793+10	LT	37.8	(3)(510) = 1530	510
1795+60	LT	1814+00	LT	136.8	(3)(1840) = 5520	1840
2203+60	LT	2218+00	LT	106.7	(3)(1440) = 4320	1440
2283+50	LT	2296+50	LT	96.3	(3)(1300) = 3900	1300
2352+00	LT	2380+00	LT	218.9	(3)(2955) = 8865	2955
2389+90	LT	2418+35	LT	210.7	(3)(2845) = 8535	2845
2480+00	RT	2510+00	RT	222.2	(3)(3000) = 9000	3000
2522+00	RT	2534+00	RT	92.6	(3)(1250) = 3750	1250
SUB-TOTAL				1259.1	50970 (SEE NOTE #1)	16990

NOTE #1: THREE 1-1/4" DIAMETER COILABLE NON-METALLIC CONDUITS PLACED WITHIN THE TRENCH AREAS

FIBER OPTIC HANDHOLE SCHEDULE

STATION	OFFSET	XX005765 FIBER OPTIC HANDHOLE EACH	STATION	OFFSET	XX005765 FIBER OPTIC HANDHOLE EACH	STATION	OFFSET	XX005765 FIBER OPTIC HANDHOLE EACH
10+15 (RAMP H)	115' LT	1	183+475	120' LT	1	2388+20	115' LT	1
1450+00	135' LT	1	1861+90	185' LT	1	2406+75	115' LT	1
1464+50	95' LT	1	1883+25	120' LT	1	2418+50	130' LT	1
1480+20	90' LT	1	1913+30	120' LT	1	2418+50	80' RT	1
1484+50	90' LT	1	1935+25	85' LT	1	2431+00	80' RT	1
1509+00	205' LT	1	1941+25	85' LT	1	2450+00	155' RT	1
1509+50	105' LT	1	1965+40	95' LT	1	2467+60	80' RT	1
1515+90	125' LT	1	1991+70	145' LT	1	2468+60	80' RT	1
1516+55	675' LT	1	2013+80	140' LT	1	2491+50	140' RT	1
1516+55	700' RT	1	2044+60	125' LT	1	2515+00	130' RT	1
1529+00	200' LT	1	2071+35	115' LT	1	2537+50	140' RT	1
1543+65	155' LT	1	2098+05	140' LT	1	47+46 (RAMP DB)	20' RT	1
1569+00	150' LT	1	2110+15	80' LT	1	49+00	20' RT	1
1596+70	170' LT	1	2112+25	80' LT	1	754+10 (U.S. 20)	100' RT	1
1624+00	210' LT	1	2123+70	200' LT	1	780+00	110' RT	1
1648+00	250' LT	1	2123+70	120' RT	1	795+20	55' RT	1
1663+00	130' LT	1	2150+50	180' LT	1	797+35	55' RT	1
1686+15	160' LT	1	2177+50	182' LT	1	814+20	130' RT	1
1703+85	120' LT	1	2193+00	150' LT	1	831+75	55' RT	1
1729+90	140' LT	1	2217+25	120' LT	1	834+60	55' RT	1
1756+35	155' LT	1	2230+50	120' LT	1	860+00	105' RT	1
1773+35	330' LT	1	2255+20	100' LT	1	30+00 (RAMP AD)	60' RT	1
1774+30	205' LT	1	2283+50	170' LT	1	3+90 (RAMP DB)	90' RT	1
1781+85	150' LT	1	2309+00	141' LT	1	16+00 (RAMP DB)	100' RT	1
1781+85	800' LT	1	2335+00	140' LT	1	14+00 (RAMP)	150' RT	1
1781+85	850' RT	1	2356+20	500' LT	1	16+65 (I-90)	100' RT	1
1809+00	170' LT	1	2369+00	460' LT	1			
SUB-TOTAL								80

4" CONDUIT ATTACHED TO BRIDGE SCHEDULE

STATION FROM	OFFSET	STATION TO	OFFSET	2001376*
1480+20	90' LT	1484+50	90' LT	430
1936+25	85' LT	1941+25	85' LT	500
2110+15	80' LT	2112+25	80' LT	210
2418+60	80' RT	2430+90	80' RT	1230
2467+60	80' RT	2468+60	80' RT	100
47+50 (RAMP DB)	20' RT	48+95 (RAMP DB)	20' RT	145
795+50 (U.S. 20)	55' RT	797+35 (U.S. 20)	55' RT	185
831+75 (U.S. 20)	55' RT	834+60 (U.S. 20)	55' RT	285
SUB-TOTAL				3085 (SEE NOTE #2)

NOTE #2: ONE 4" CONDUIT IS ATTACHED TO BRIDGE STRUCTURES FOUR 1-1/4" DIAMETER COILABLE NON-METALLIC CONDUITS ARE PLACED WITHIN THE 4" CONDUITS ATTACHED TO BRIDGE STRUCTURES. MATERIAL AND INSTALLATION OF COILABLE NON-METALLIC CONDUITS ARE INCIDENTAL TO THE 4" CONDUIT (2001376*)

1-1/4" CONDUIT, PLACED BY DIRECTIONAL BORING SCHEDULE

STATION FROM	OFFSET	STATION TO	OFFSET	81028040 CONDUIT, BORED AND PULLED, COILABLE NON-METALLIC CONDUIT, 1-1/4" FOOT
28+25 (RAMP H)	90' LT	27+50 (RAMP H)	90' LT	(4)(75) = 300
1427+00 (I-39)	200' LT	1429+50 (I-39)	180' LT	(4)(250) = 1000
1450+50	135' LT	1452+30	135' LT	(4)(180) = 720
1463+80	95' LT	1464+50	95' LT	(4)(70) = 280
1509+00	205' LT	1509+50	105' LT	(4)(120) = 480
1515+90	125' LT	1518+35	125' LT	(4)(245) = 980
1515+90	125' LT	1515+90	125' RT	(4)(250) = 1000
1516+45	580' RT	1515+55	700' RT	(4)(120) = 480
1516+45	575' LT	1516+55	675' LT	(4)(100) = 400
1525+00	150' LT	1526+50	185' LT	(4)(150) = 600
1569+00	150' LT	1571+00	150' LT	(4)(200) = 800
1621+50	210' LT	1623+70	210' LT	(4)(220) = 880
1648+00	250' LT	1650+00	180' LT	(4)(210) = 840
1655+50	140' LT	1656+50	140' LT	(4)(100) = 400
1683+10	165' LT	1686+10	160' LT	(4)(300) = 1200
1702+85	120' LT	1703+85	120' LT	(4)(100) = 400
1762+45	160' LT	1764+45	160' LT	(4)(200) = 800
1773+35	330' LT	1774+30	205' LT	(4)(150) = 600
1781+85	150' LT	1783+35	150' LT	(4)(150) = 600
1781+85	150' LT	1781+85	130' RT	(4)(280) = 1120
1781+85	700' LT	1781+85	800' LT	(4)(100) = 400
1781+85	750' RT	1781+85	850' RT	(4)(100) = 400
1793+10	120' RT	1795+60	100' LT	(4)(250) = 1000
1819+25	170' LT	1820+50	170' LT	(4)(150) = 600
1834+75	130' LT	1836+25	130' LT	(4)(150) = 600
1852+75	170' LT	1855+25	190' LT	(4)(250) = 1000
1913+30	120' LT	1915+20	115' LT	(4)(190) = 760
1966+40	95' LT	1968+40	95' LT	(4)(200) = 800
1983+25	140' LT	1984+75	140' LT	(4)(150) = 600
1991+70	145' LT	1992+70	130' LT	(4)(100) = 400
2044+60	125' LT	2045+70	125' LT	(4)(110) = 440
2064+25	150' LT	2065+75	150' LT	(4)(150) = 600
2079+50	140' LT	2080+50	140' LT	(4)(100) = 400
2123+70	200' LT	2125+70	200' LT	(4)(200) = 800
2123+70	200' LT	2123+70	115' RT	(4)(315) = 1260
2131+50	190' LT	2132+50	190' LT	(4)(100) = 400
2136+30	190' LT	2137+30	190' LT	(4)(200) = 800
2168+55	125' LT	2170+05	135' LT	(4)(150) = 600
2181+00	150' LT	2182+50	125' LT	(4)(150) = 600
2198+00	150' LT	2199+50	150' LT	(4)(150) = 600
2237+30	160' LT	2238+50	160' LT	(4)(150) = 600
2255+00	160' LT	2256+20	110' LT	(4)(150) = 600
2256+20	110' LT	2257+90	110' LT	(4)(170) = 680
2296+40	144' LT	2297+90	144' LT	(4)(150) = 600
2311+20	140' LT	2312+70	140' LT	(4)(150) = 600
2315+80	140' LT	2316+80	140' LT	(4)(100) = 400
2335+00	140' LT	2336+00	140' LT	(4)(100) = 400
2356+20	500' LT	2357+00	405' LT	(4)(100) = 400
2361+30	120' LT	2363+30	120' LT	(4)(200) = 800
2368+70	380' LT	2369+00	460' LT	(4)(100) = 400
2380+50	150' LT	2381+50	150' LT	(4)(100) = 400
2388+20	110' LT	2389+90	110' LT	(4)(170) = 680
2418+50	130' LT	2418+50	80' RT	(4)(210) = 840
2487+20	140' RT	2489+70	140' RT	(4)(50) = 200
46+20 (RAMP DB)	70' RT	46+46 (RAMP DB)	20' RT	(4)(140) = 560
749+20 (U.S. 20)	132' RT	750+00 (U.S. 20)	100' RT	(4)(90) = 360
753+90	100' RT	754+10	100' RT	(4)(120) = 480
811+00	130' RT	814+20	130' RT	(4)(320) = 1280
30+00 (RAMP AD)	60' RT	3+90 (RAMP AD)	90' RT	(4)(150) = 600
SUB-TOTAL				37820 (SEE NOTE #3)

NOTE #3: FOUR 1-1/4" DIAMETER COILABLE NON-METALLIC CONDUITS ARE PLACED IN AREAS OF DIRECTIONAL BORING

NOTE:

1. THE COILABLE NON-METALLIC CONDUIT (1-1/4") IS COMPRISED OF A HIGH DENSITY POLYETHYLENE (HDPE) AS DEFINED IN ARTICLE 1088.03(G) OF THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, ADOPTED JANUARY 1, 2007.

REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCHEDULE OF QUANTITIES
SCALE: VERT. N/A HORIZ. N/A	DATE: DECEMBER 15, 2006	DRAWN BY: CKL CHECKED BY: CAC

SCHEDULE OF QUANTITIES

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	5
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		

* OGLE / WINNEBAGO

GENERAL CONSTRUCTION NOTES

CONSTRUCTION NOTES

1. COIL 50 FEET FROM EACH CABLE REEL IN HANDHOLES.
2. SHORING OF BORE-PITS AND TRENCHES IN ACCORDANCE WITH OSHA REGULATIONS IS MANDATORY.
3. UNDERGROUND 1-1/4" DIAMETER HIGH DENSITY POLYETHYLENE (HDPE) CONDUITS SHALL BE PLACED AT 42" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS. UNDERGROUND 4" DIAMETER FIBERGLASS REINFORCED EPOXY (FRE) CONDUITS SHALL BE PLACED AT 36" MINIMUM COVER UNLESS OTHERWISE SPECIFIED.
4. ALL DIRECT BURIED CABLE SHALL BE PLACED AT 42" MINIMUM COVER UNLESS OTHERWISE SPECIFIED ON THE CONSTRUCTION DRAWINGS.
5. THE MINIMUM COVER UNDER A PUBLIC ROADWAY SHALL BE 42" OR SUCH GREATER DEPTH AS MAY BE REQUIRED TO CLEAR THE PAVEMENT STRUCTURE.
6. ALL CONDUITS SHALL BE EITHER HIGH DENSITY POLYETHYLENE (HDPE) OR FIBERGLASS REINFORCED (FRE) AND PLACED AS DIRECTED BY THE PLANS AND SPECIFICATIONS.
7. PLACEMENT OF WARNING TAPE AS SHOWN ON CONSTRUCTION DETAILS SHALL BE INCLUDED WITH THE INSTALLATION OF THE FIBER OPTIC CABLES AT NO ADDITIONAL COST.

GENERAL NOTES

1. ALL WORK TO BE PERFORMED IN STRICT ACCORDANCE WITH THE APPLICABLE CODES OR REQUIREMENTS OF ANY REGULATING GOVERNMENTAL AGENCY OR THE RIGHT-OF-WAY GRANTOR.
2. LOCATIONS OF SOME OF THE PHYSICAL FEATURES WERE OBTAINED FROM DATED OR OTHER DRAWINGS AND MAY NOT BE AS SHOWN OR DEPICTED ON THESE DRAWINGS.
3. ANY AND ALL IMPROVEMENTS, SUCH AS ASPHALT OR CONCRETE PAVEMENTS, CURBS, GUTTERS, WALKS, DRAINAGE, SODS, ETC., IF DAMAGED, SHALL BE RESTORED TO ORIGINAL OR BETTER CONDITION WITHIN 24 HOURS OR AS SOON AS PRACTICALLY POSSIBLE. TEMPORARY REPAIRS MAY BE REQUIRED AS DIRECTED BY ON SITE ENGINEER FOR SAFETY CONCERNS.
4. EQUIPMENT TYPES SPECIFIED HEREIN (I.E. "BACK HOE" "SWAMP PLOW" ETC.) ARE SUGGESTIONS ONLY AND ARE NOT INTENDED AS REQUIREMENTS. CONTRACTORS AND SUBCONTRACTORS WILL BE NOTIFIED AS TO EXCEPTIONS.
5. NOT ALL UTILITIES ARE SHOWN ON THE PRINTS. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO LOCATE ALL UTILITIES. A MINIMUM 12" SEPARATION BETWEEN CONDUIT AND OTHER UTILITIES WILL BE MAINTAINED UNLESS APPROVED BY ENGINEER ON SITE. MARKERS SHALL BE PLACED AT 1000' INTERVALS AND AT CHANGES IN CABLE LOCATION/DIRECTION OR TO MARK THE LOCATION OF HANDHOLES. THE CONTRACTOR SHALL ADJUST EXCAVATION AS NECESSARY TO AVOID HIDDEN OBSTACLES AND TO MAINTAIN MAXIMUM DISTANCE FROM THE EDGE OF PAVEMENT. ALL DEVIATIONS SHALL BE APPROVED BY THE ENGINEER.
6. TREE PRUNING: ANY TREE BRANCHES BROKEN OR DAMAGED DUE TO THE FIBER OPTIC CABLE INSTALLATIONS SHALL BE PRUNED BACK TO THE NEAREST BRANCH UNION ON SOUND WOOD AND SHALL BE INCLUDED WITH COST OF THE FIBER OPTIC CABLE INSTALLATION.
7. TREE REMOVAL: TREES AUTHORIZED FOR REMOVAL BY IDOT SHALL BE EITHER GRUBBED OUT COMPLETELY OR CUT OFF FLUSH WITH GROUND LEVEL. STUMPS REMAINING SHALL BE TREATED WITH TRICLOPYR TO PREVENT RESPROUTING. HERBICIDE TREATMENTS SHALL BE IN ACCORDANCE WITH LABEL DIRECTIONS AND ALL APPLICABLE STATE AND FEDERAL LAWS AND REGULATIONS.
8. ALL DEBRIS RESULTING FROM THE INSTALLATION OF THE CABLE, INCLUDING TRASH, TREE LIMBS, BRUSH, WASTE MATERIALS, ETC., SHALL BE REMOVED FROM THE RIGHT-OF-WAY AND LEGALLY DISPOSED OF BY THE CONTRACTOR.
9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION AND THE MAINTENANCE OF PUBLIC AND PRIVATE PROPERTIES. THE CONTRACTOR SHALL PROTECT, SHORE, BRACE, SUPPORT AND MAINTAIN ALL UTILITIES, ALL UNDERGROUND PIPES, CONDUITS DRAINS, FIELD TILES AND OTHER SUBSURFACE OBSTRUCTIONS UNCOVERED OR OTHERWISE AFFECTED BY THE CONSTRUCTION WORK ASSOCIATED WITH INSTALLATION OF THE PROPOSED FIBER OPTIC SYSTEM. APPARENT PIPELINES, SEWERS, CULVERTS, DRAINS, CABLES, AND OTHER EXISTING SUBSURFACE STRUCTURES ARE INDICATED ON THE DRAWINGS. IDOT DOES NOT GUARANTEE THE ACCURACY OF SUCH INFORMATION. OWNERS OF PIPES, CABLES, FIELD TILES AND OTHER BURIED UTILITIES SHALL BE NOTIFIED BY THE CONTRACTOR IN ADVANCE OF ANY EXCAVATION WORK AND REQUESTED TO LOCATE AND EXPOSE UTILITIES. THIS SHALL BE DONE BY CONTACTING JULIE *1-800-892-0123 AND INDIVIDUAL CONTACTS AS REQUIRED. ANY EXPENSE TO THE CONTRACTOR DUE TO ENCOUNTERING SUBSURFACE OBSTRUCTIONS NOT SHOWN, OR IN LOCATIONS DIFFERENT THEN THOSE INDICATED ON THE DRAWINGS SHALL NOT CONSTITUTE A CLAIM FOR PAYMENT. THE CONTRACTOR SHALL MAINTAIN A LOG OF ALL UTILITY CONTACTS MADE DURING THIS PROJECT AND TRANSMIT THE LOG BACK TO IDOT UPON COMPLETION OF THE PROJECT.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING ALL UTILITY PROPERTY DURING CONSTRUCTION OPERATIONS AS OUTLINED IN ARTICLE 107.31 OF THE STANDARD SPECIFICATIONS, EVEN THOUGH THEY MAY OR MAY NOT BE SHOWN ON THE PLANS. ANY DAMAGE CAUSED BY THE CONSTRUCTION OPERATIONS SHALL BE IMMEDIATELY REPAIRED OR REPLACED TO THE SATISFACTION OF THE ENGINEER OR OWNER. THIS WORK SHALL BE AT THE CONTRACTOR'S EXPENSE. THE J.U.L.I.E. TELEPHONE NUMBER IS (800)892-0123. A MINIMUM OF 48 HOURS ADVANCE NOTICE IS REQUIRED FOR ALL NON-EMERGENCY WORK. KNOWN UTILITIES LOCATED WITHIN THE PROJECT LIMITS OR IMMEDIATELY ADJACENT TO THE PROJECT CONSTRUCTION LIMITS ARE LISTED BELOW. UTILITIES WHICH ARE NOT MEMBERS OF J.U.L.I.E. SHOULD BE NOTIFIED INDIVIDUALLY BY THE CONTRACTOR.

- | | | |
|--|---|--|
| AT&T COMMUNICATIONS, INC.
866 ROCK CREEK ROAD
PLANO, IL 60545
(630)-552-4677 | LEVEL 3 COMMUNICATIONS/
(GENUITY TELECOMMUNICATIONS)
149 WEST HWY 174
VILLAGE GREEN SQUARE
REPUBLIC, MO 65378 | WEST SHORE PIPELINE COMPANY
3400 S. BADGER ROAD
ARLINGTON, IL 60005
(847)-439-0270 |
| COMMONWEALTH EDISON COMPANY
123 ENERGY AVE.
ROCKFORD, IL 61109
(630)-437-2129 | AT&T CABLE OF IOWA
3033 ASBURY ROAD
DUBUQUE, IA 52001-8459
(319)-556-6595 | AT&T
2404 EIGHTH AVE.
ROCKFORD, IL 61108
(815)-394-7276 |
| VERIZON
112 WEST ELM STREET
SYCAMORE, IL 60178
(815)-895-1515 | NORLIGHT TELECOMMUNICATIONS
13935 BISHOPS DRIVE
BROOKFIELD, WI 53005
(262)-792-7219 | INSIGHT COMMUNICATIONS OF ROCKFORD
4450 KISHWAUKEE STREET
ROCKFORD, IL 61109
(815)-395-8977 |
| AT&T
635 18TH STREET
ROCK ISLAND, IL 61201
(309)-793-4456 | MEDIACOM
2506-1/2 BLOOMINGTON
STREATOR, IL 61364
(815)-672-5071 | VILLAGE OF CHERRY VALLEY
806 E. STATE STREET
CHERRY VALLEY, IL 61016
(815)-332-3441 |
| NICOR GAS CO.
1844 FERRY ROAD
NAPERVILLE, IL 60563-9600
(630)-983-8676 | ROCHELLE CITY ENGINEER
P.O. BOX 456
3333 LINCOLN HIGHWAY
ROCHELLE, IL 61068
(815)-561-2059 | NATURAL GAS PIPE LINE
16648 IL HWY 82
GENESEO, IL 61254
(309)-944-4676 |
| ROCK RIVER WATER RECLAMATION DISTRICT
P.O. BOX 7480
3333 KISHWAUKEE
ROCKFORD, IL 61126-7480
(815)-387-8676 | UNDERGROUND TECHNOLOGIES INC.
3150 FOREST VIEW ROAD
ROCKFORD, IL 61109
(815)-394-8999 | IDOT-DIST. 2
819 DEPOT AVE.
DIXON, IL 61021
(815)-284-5469 |
| US SPRINT
5600 N. RIVER ROAD
ROSEMONT, IL 60018
(847)-318-3193 | AT&T
866 ROCK CREEK ROAD
PLANO, IL 60545-9571
(708)-572-6898 | ALDRIDGE ELECTRIC
24151 SOUTH NORTHERN ILLINOIS DRIVE
CHANNAHON, IL 60410
(815)-467-0428 |

10. IDOT LOCATES SHALL BE REQUESTED BY CONTACTING KYLE LORENZ (815/284-5469) A REQUEST SHALL BE ACCOMPANIED BY A PLAN SHEET MARKED WITH THE AREA TO BE LOCATED, OR APPROPRIATE MEETING SHALL BE HELD.
11. TEMPORARY EROSION CONTROL SHALL COMPLY WITH ILLINOIS DEPARTMENT OF TRANSPORTATION'S STANDARD SPECIFICATIONS, SECTION 280 AND STANDARD DRAWING 2080001-03 FOR ALL INSTANCES IN WHICH THE CONSTRUCTION RELATED TO THE INSTALLATION OF FIBER OPTIC CABLE SYSTEM DISTURBS THE EXISTING GROUND CONDITION.
12. ANY DAMAGE TO EXISTING FENCE RESULTING FROM THE INSTALLATION AND CONSTRUCTION OF THE FIBER OPTIC SYSTEM SHALL BE REPAIRED BY THE CONTRACTOR IN ACCORDANCE WITH THE APPROPRIATE STANDARDS AT THE CONTRACTOR'S COST. THESE REPAIRS SHALL BE APPROVED BY THE ENGINEER.
13. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC SYSTEM IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.
14. THE CONTRACTOR SHALL PERFORM ALL PROPOSED WORK IN A MANNER THAT DOES NOT REQUIRE ACCESS TO EXISTING RAILROAD PROPERTY AND IN A MANNER THAT IS SATISFACTORY TO THE RAILROAD ENGINEER. ARTICLE 107.12 OF THE STANDARD SPECIFICATIONS SHALL BE ADHERED TO DURING ALL PHASES OF CONSTRUCTION EXCEPT ACCESS TO RAILROAD RIGHT-OF-WAY WILL NOT BE ALLOWED. THE CONTRACTOR'S OPERATIONS MAY ENCR OACH OVER THE RAILROAD'S RIGHT-OF-WAY; HOWEVER, SERVICES OF A RAILROAD FLAGGER WILL BE REQUIRED AS DETERMINED BY THE RAILROAD ENGINEER DURING CONSTRUCTION OF THE PROPOSED FIBER OPTIC SYSTEMS THAT WILL BE ATTACHED TO STRUCTURES THAT PASS OVER RAILROAD RIGHT-OF-WAY. THE COST OF ALL RAILROAD COORDINATION AND REQUIRED FLAGGERS SHALL BE INCLUDED IN THE COST OF THE FIBER OPTIC INSTALLATION.
15. WHEN WORK IS BEING DONE ON TOLLWAY R.O.W. OR WHEN A LOCATE IS REQUIRED FOR TOLLWAY FACILITIES, THE CONTRACTOR SHALL CONTACT THE ILLINOIS STATE TOLL HIGHWAY AUTHORITY AND REQUEST THAT BY A PERMIT OR WHAT EVER IS REQUIRED BY THE TOLLWAY.

JURISDICTIONAL WETLAND PROCEDURES

THE AREAS DESIGNATED AS JURISDICTIONAL WETLANDS ARE INDICATED ON THE DESIGN PLANS. THESE AREAS ARE PROTECTED UNDER STATE AND FEDERAL REGULATIONS. NO TRAFFIC IS ALLOWED IN THESE PROTECTED AREAS, EXCEPT PLOWING EQUIPMENT AND PEDESTRIAN TRAFFIC ARE ALLOWED PROVIDED THE TRAFFIC IS KEPT TO A MINIMUM AND THE SITES ARE RESTORED TO PRE- EXISTING CONDITIONS. CONSTRUCTION ACTIVITY THAT WILL RESULT IN ANY DISCHARGE OR DISTURBANCE OF THE SURFACE TOPOGRAPHY WILL NOT BE ALLOWED. ANY WORK IN WETLAND MUST COMPLY WITH THE REQUIREMENT OF THE NATION WIDE PERMIT #12 OF SECTION 404 OF THE CLEAN WATER ACT.

CONTACT: DR. CASSANDRA RODGERS (815/284-5455)

THREATENED AND ENDANGERED SPECIES (PLANT) PROTECTION PROCEDURES

THE LOCATION OF THREATENED & ENDANGERED SPECIES WILL BE IDENTIFIED IN THE FIELD BY A REPRESENTATIVE OF THE ILLINOIS DEPARTMENT OF TRANSPORTATION. THESE AREAS SHALL BE COMPLETELY ENCLOSED AND PROTECTED BY ORANGE PLASTIC SNOW FENCE BY THE CONTRACTOR. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY THAT THESE AREAS HAVE BEEN IDENTIFIED PRIOR TO COMMENCING WORK. THREATENED & ENDANGERED SPECIES ARE PROTECTED UNDER STATE AND FEDERAL REGULATIONS. VEHICULAR TRAFFIC, PEDESTRIAN TRAFFIC AND CONSTRUCTION EQUIPMENT WILL NOT BE ALLOWED IN THESE PROTECTED AREAS. CONSTRUCTION ACTIVITY THAT WILL RESULT IN ANY DISCHARGE OR DISTURBANCE TO THE SURFACE TOPOGRAPHY INSIDE THE PROTECTED AREA WILL NOT BE ALLOWED.

CONTACT: DR. CASSANDRA RODGERS (815/284-5455)

LOCATION OF CROSSING UTILITIES FOR REFERENCE ONLY, PLEASE CALL ALL APPLICABLE UTILITY LOCATORS FOR EXACT LOCATION PRIOR TO DIGGING OR TRENCHING.

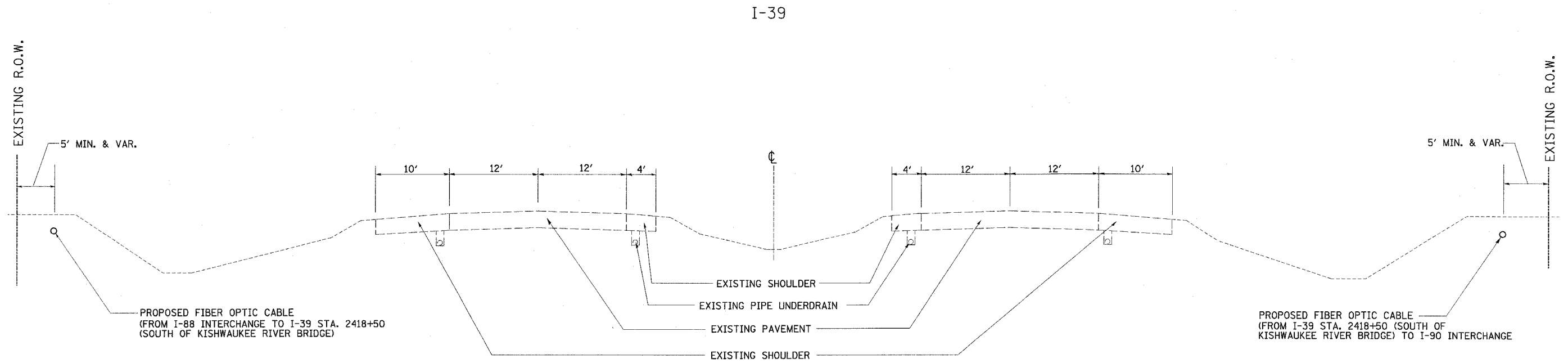
REVISIONS		ILLINOIS DEPARTMENT OF TRANSPORTATION
NAME	DATE	
		SCALE: VERT. HORIZ. DATE

DRAWN BY
CHECKED BY

PLOT DATE = Thu Dec 21 09:53:38 2006
 FILE NAME = PAT-39 Fiber Optic SH1005.Notes.B1.dgn
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 USER = candermeas

TYPICAL SECTIONS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	6
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*OGLE / WINNEBAGO				



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REVISIONS	
NAME	DATE

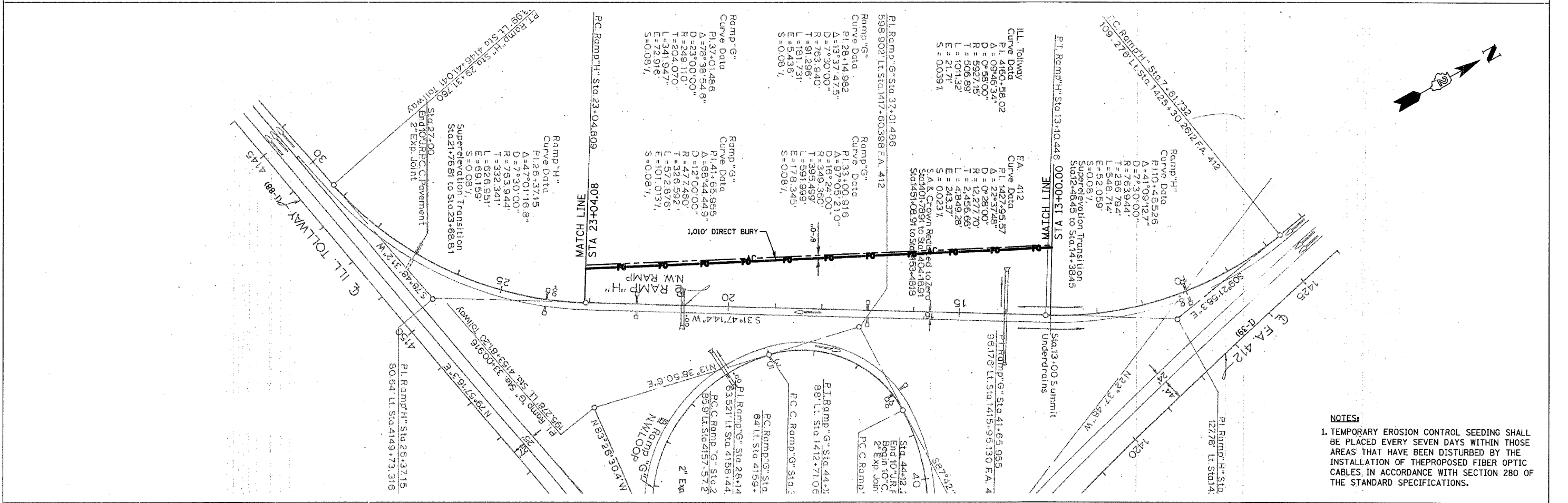
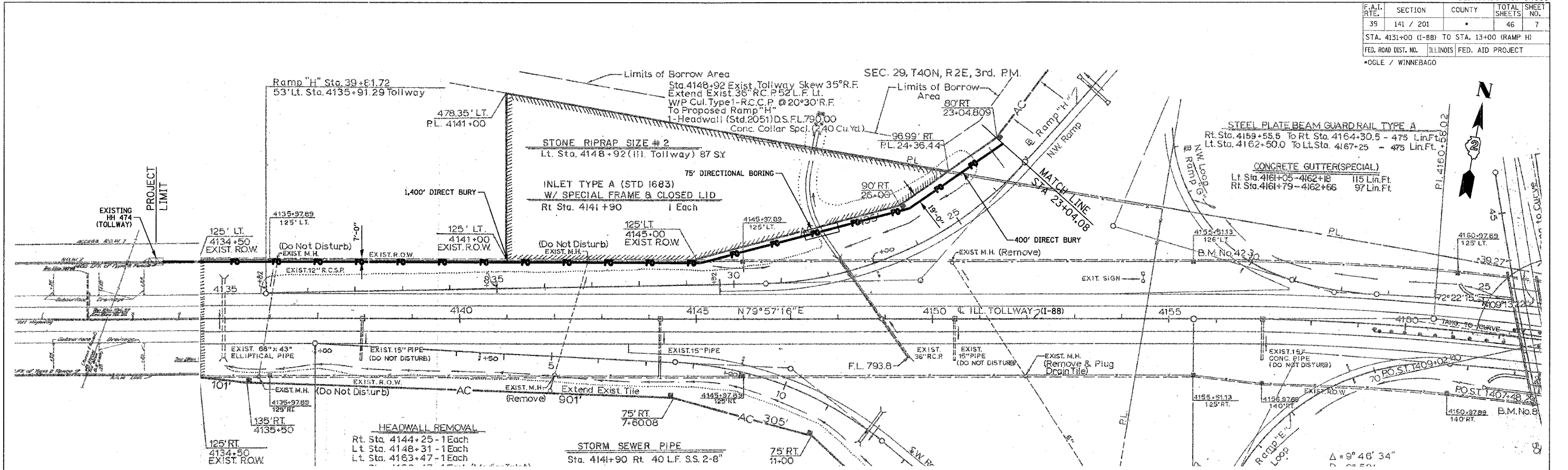
ILLINOIS DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

SCALE: VERT. N/A
 HORIZ. N/A
 DATE: DECEMBER 15, 2006

DRAWN BY CKL
 CHECKED BY CAC

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	7
STA. 4131+00 (I-88) TO STA. 13+00 (RAMP HI)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*OGLE / WINNEBAGO				



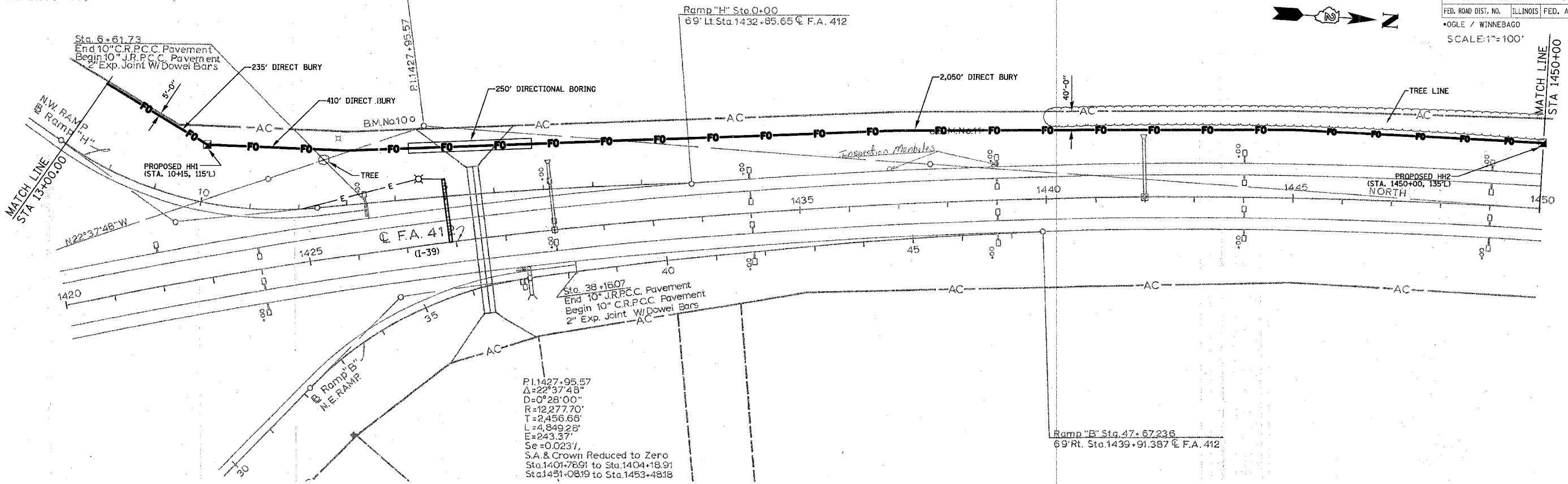
NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	8
STA. 13+00 (RAMP H) TO STA. 1480+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*OGLE / WINNEBAGO				

U.S.G.S. DATUM
5th G.A. (1929)

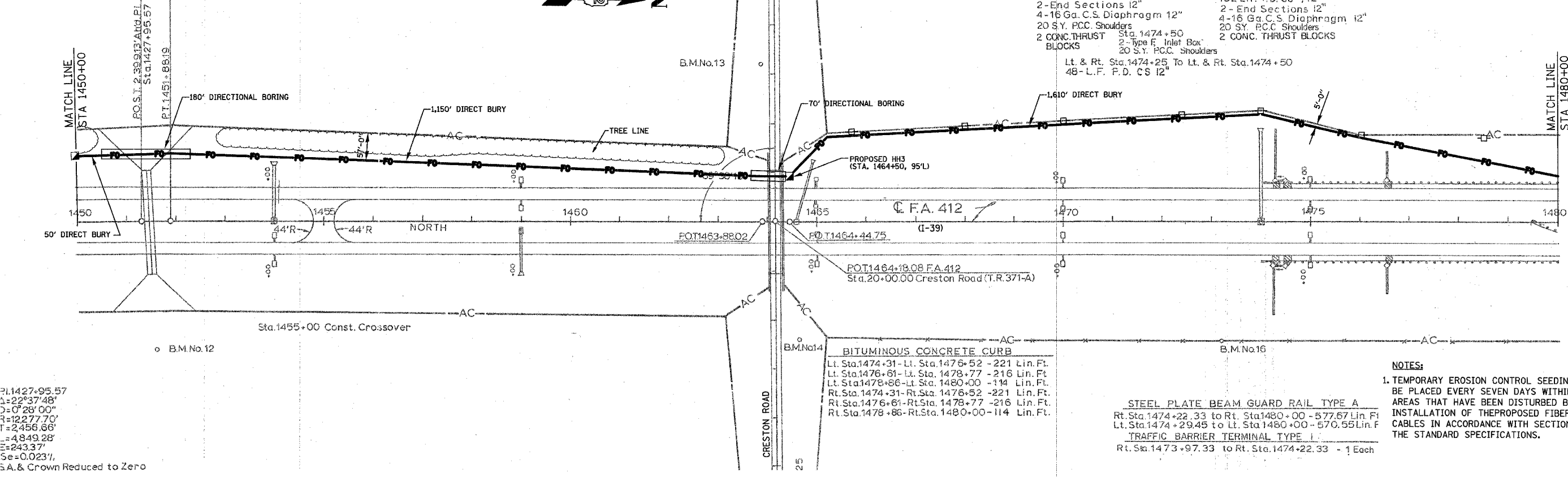
SEC. 29, T40N, R2E, 3rd PM.



5th G.A. (1929)

SEC. 29, T40N, R2E, 3rd PM.

SEC. 20, T40N, R2E, 3rd PM.



P.I. 1427+95.57
 $\Delta = 22^\circ 37' 48''$
 $D = 0^\circ 28' 00''$
 $R = 12,277.70'$
 $T = 2,456.66'$
 $L = 4,849.28'$
 $E = 243.37'$
 $Se = 0.023\%$
 S.A. & Crown Reduced to Zero

BITUMINOUS CONCRETE CURB
 Lt. Sta. 1474+31 - Lt. Sta. 1476+52 - 221 Lin. Ft.
 Lt. Sta. 1476+61 - Lt. Sta. 1478+77 - 216 Lin. Ft.
 Lt. Sta. 1478+86 - Lt. Sta. 1480+00 - 114 Lin. Ft.
 Rt. Sta. 1474+31 - Rt. Sta. 1476+52 - 221 Lin. Ft.
 Rt. Sta. 1476+61 - Rt. Sta. 1478+77 - 216 Lin. Ft.
 Rt. Sta. 1478+86 - Rt. Sta. 1480+00 - 114 Lin. Ft.

STEEL PLATE BEAM GUARD RAIL TYPE A
 Rt. Sta. 1474+22.33 to Rt. Sta. 1480+00 - 577.67 Lin. Ft.
 Lt. Sta. 1474+29.45 to Lt. Sta. 1480+00 - 570.55 Lin. Ft.
TRAFFIC BARRIER TERMINAL TYPE I
 Rt. Sta. 1473+97.33 to Rt. Sta. 1474+22.33 - 1 Each

NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLOT DATE = 12/14/2006
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 USER = RUSBY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	•	46	9
STA. 1480+00		TO STA. 1510+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
•OGLE / WINNEBAGO				

U.S.G.S. DATUM
5th G.A. (1929)

Lt. Sta. 1480+19.46 C.F.A. 412
End 10" C.R.P.C.C. Pavement
Begin Bridge Appr. Slab Pavement
2" Exp. Joint W/ Dowel Bars

Limits of Bridge Approach
Slab Pavement (Std. 2353)

Lt. Sta. 1484+50.21 C.F.A. 412
End Bridge Appr. Slab Pavement
Begin 10" C.R.P.C.C. Pavement
2" Exp. Joint W/ Dowel Bars

Sta. 1487+75
2-Type F. Inlet Box
118-L.F. P.D. CS 12"
2-End Sections
4-16 Ga. C.S. Diaphragms-12"
20 S.Y. P.C.C. Shoulders
2 CONC. THRUST BLOCKS

Sta. 1489+55
2-Type F. Inlet Box
20 S.Y. P.C.C. Shoulders

Sta. 1489+80
2-Type F. Inlet Box
174-L.F. P.D. CS 12"
2-End Sections
4-16 Ga. C.S. Diaphragms-12"
20 S.Y. P.C.C. Shoulders
2 CONC. THRUST BLOCKS

SEC. 20, T40N, R2E, 3rd P.M.

Sta. 14+60.72 B Ramp "D"
End 10" J.R.P.C.C. Pavement
Begin 10" C.R.P.C.C.

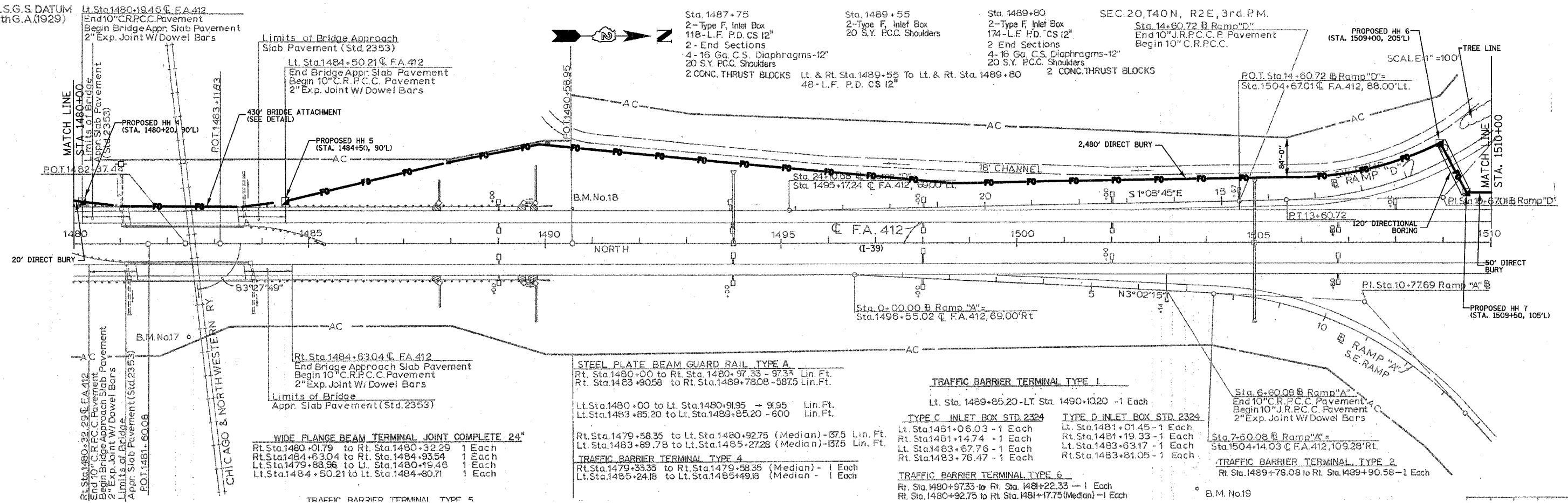
PROPOSED HH 6
(STA. 1509+00, 205'L)

P.O.T. Sta. 14+60.72 B Ramp "D"
Sta. 1504+67.01 C.F.A. 412, 88.00' LT.

SCALE 1" = 100'

TREE LINE

MATCH LINE
STA. 1510+00



WIDE FLANGE BEAM TERMINAL JOINT COMPLETE 24"

Rt. Sta. 1480+01.79	to Rt. Sta. 1480+32.29	1 Each
Rt. Sta. 1484+63.04	to Rt. Sta. 1484+93.54	1 Each
Lt. Sta. 1479+88.96	to Lt. Sta. 1480+19.46	1 Each
Lt. Sta. 1484+50.21	to Lt. Sta. 1484+80.71	1 Each

STEEL PLATE BEAM GUARD RAIL TYPE A
Rt. Sta. 1480+00 to Rt. Sta. 1480+97.33 - 97.33 Lin. Ft.
Rt. Sta. 1483+90.58 to Rt. Sta. 1489+78.08 - 587.5 Lin. Ft.

Lt. Sta. 1480+00 to Lt. Sta. 1480+91.95 - 91.95 Lin. Ft.
Lt. Sta. 1483+85.20 to Lt. Sta. 1489+85.20 - 600 Lin. Ft.

Rt. Sta. 1479+58.35 to Lt. Sta. 1480+92.75 (Median) - 137.5 Lin. Ft.
Lt. Sta. 1483+69.78 to Lt. Sta. 1485+27.28 (Median) - 137.5 Lin. Ft.

TRAFFIC BARRIER TERMINAL TYPE 4
Rt. Sta. 1479+33.35 to Rt. Sta. 1479+58.35 (Median) - 1 Each
Lt. Sta. 1485+24.18 to Lt. Sta. 1485+49.18 (Median) - 1 Each

TRAFFIC BARRIER TERMINAL TYPE 1

Lt. Sta. 1489+85.20 - Lt. Sta. 1490+1020 - 1 Each

TYPE C INLET BOX STD. 2324	TYPE D INLET BOX STD. 2324
Lt. Sta. 1481+06.03 - 1 Each	Lt. Sta. 1481+01.45 - 1 Each
Rt. Sta. 1481+14.74 - 1 Each	Rt. Sta. 1481+19.33 - 1 Each
Lt. Sta. 1483+67.76 - 1 Each	Lt. Sta. 1483+63.17 - 1 Each
Rt. Sta. 1483+76.47 - 1 Each	Rt. Sta. 1483+81.05 - 1 Each

Sta. 6+60.08 B Ramp "A"
End 10" C.R.P.C.C. Pavement
Begin 10" J.R.P.C.C. Pavement
2" Exp. Joint W/ Dowel Bars

Sta. 7+60.08 B Ramp "A"
Sta. 1504+14.03 C.F.A. 412, 109.28' RT.

TRAFFIC BARRIER TERMINAL TYPE 2
Rt. Sta. 1489+78.08 to Rt. Sta. 1489+90.58 - 1 Each

B.M. No. 19

NOTES:
1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLOT DATE = 12/14/2006
 PLOT SCALE = 1" = 100'
 PLOT USER = JUSERR

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	10
STA. 1510+00		TO STA. 1523+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				

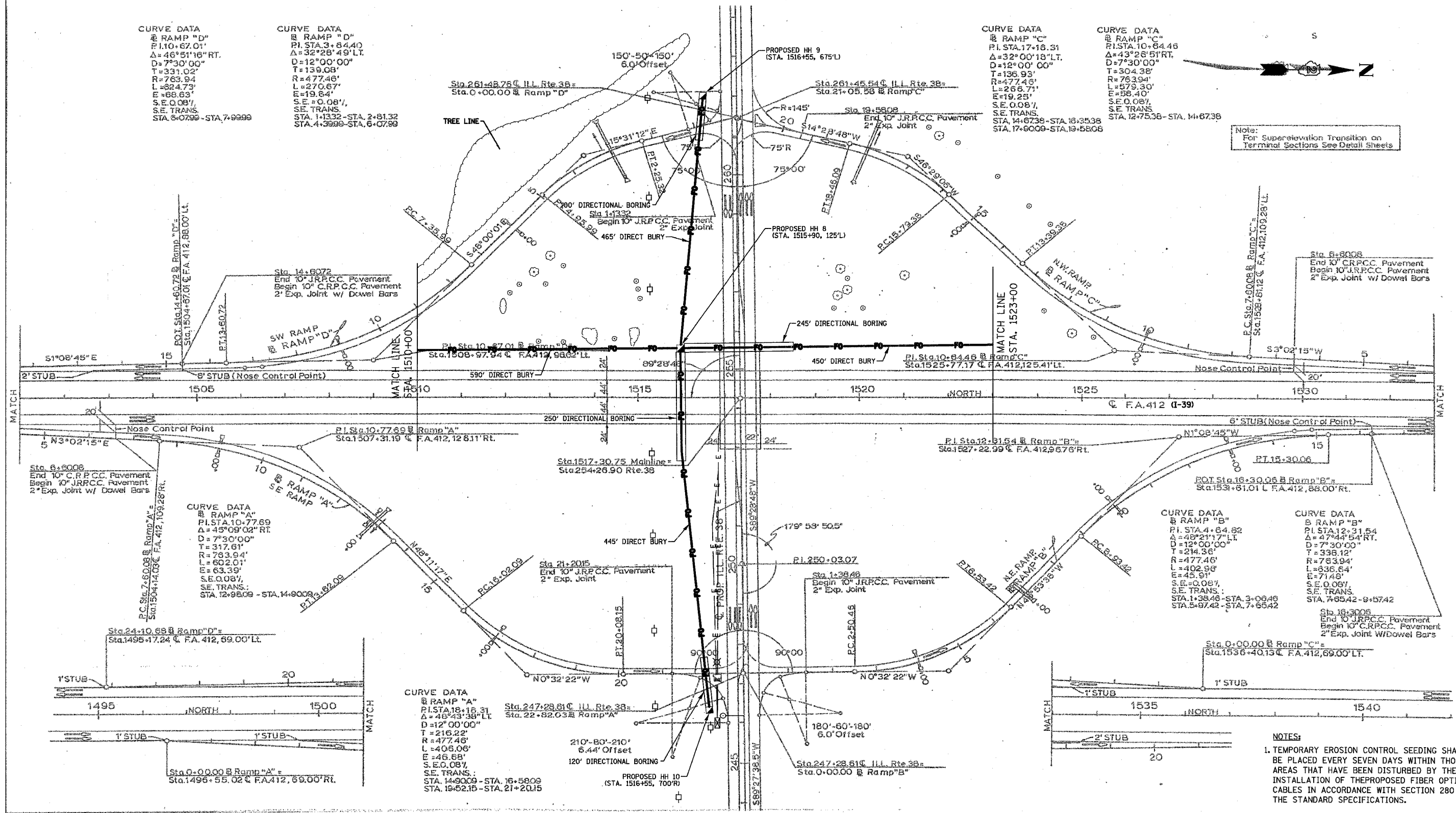
CURVE DATA
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 P.I. STA. 3+84.40
 Δ = 46°51'16" RT.
 D = 7°30'00"
 T = 331.02'
 R = 763.94'
 L = 824.73'
 E = 68.63'
 S.E. = 0.08%
 S.E. TRANS. STA. 5+0799 - STA. 7+9999

CURVE DATA
 @ RAMP "D"
 P.I. STA. 3+84.40
 Δ = 32°28'49" LT.
 D = 12°00'00"
 T = 139.08'
 R = 477.46'
 L = 270.67'
 E = 19.64'
 S.E. = 0.08%
 S.E. TRANS. STA. 1+1332 - STA. 2+8132
 STA. 4+3999 - STA. 6+0799

CURVE DATA
 @ RAMP "C"
 P.I. STA. 17+16.31
 Δ = 32°00'18" LT.
 D = 12°00'00"
 T = 136.93'
 R = 774.63'
 L = 265.73'
 E = 19.25'
 S.E. = 0.08%
 S.E. TRANS. STA. 14+6738 - STA. 16+3538
 STA. 17+6009 - STA. 19+5808

CURVE DATA
 @ RAMP "C"
 P.I. STA. 10+84.46
 Δ = 43°28'51" RT.
 D = 7°30'00"
 T = 304.38'
 R = 763.94'
 L = 579.30'
 E = 58.40'
 S.E. = 0.08%
 S.E. TRANS. STA. 12+7536 - STA. 14+6738

Note:
 For Superelevation Transition on Terminal Sections See Detail Sheets



CURVE DATA
 @ RAMP "A"
 P.I. STA. 10+77.69
 Δ = 45°09'02" RT.
 D = 7°30'00"
 T = 317.61'
 R = 763.94'
 L = 602.01'
 E = 63.39'
 S.E. = 0.08%
 S.E. TRANS. STA. 12+9809 - STA. 14+9009

CURVE DATA
 @ RAMP "B"
 P.I. STA. 4+64.82
 Δ = 48°21'17" LT.
 D = 12°00'00"
 T = 214.56'
 R = 477.46'
 L = 402.50'
 E = 45.91'
 S.E. = 0.08%
 S.E. TRANS. STA. 1+3846 - STA. 3+0046
 STA. 5+9742 - STA. 7+6542

CURVE DATA
 @ RAMP "B"
 P.I. STA. 12+31.54
 Δ = 47°44'54" RT.
 D = 7°30'00"
 T = 338.12'
 R = 763.94'
 L = 836.64'
 E = 71.48'
 S.E. = 0.08%
 S.E. TRANS. STA. 7+6542 - 9+5742

CURVE DATA
 @ RAMP "A"
 P.I. STA. 18+15.31
 Δ = 46°43'38" LT.
 D = 12°00'00"
 T = 216.22'
 R = 477.46'
 L = 408.06'
 E = 46.68'
 S.E. = 0.08%
 S.E. TRANS. STA. 14+9009 - STA. 16+5809
 STA. 19+5215 - STA. 21+2015

NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

12/14/2006
 G:\ENR\66-5799-13\DOT\Civil\SHR\1016.FD.Plt_84.dgn
 USER: JRS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	11

STA. 1523+00 TO STA. 1570+00

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

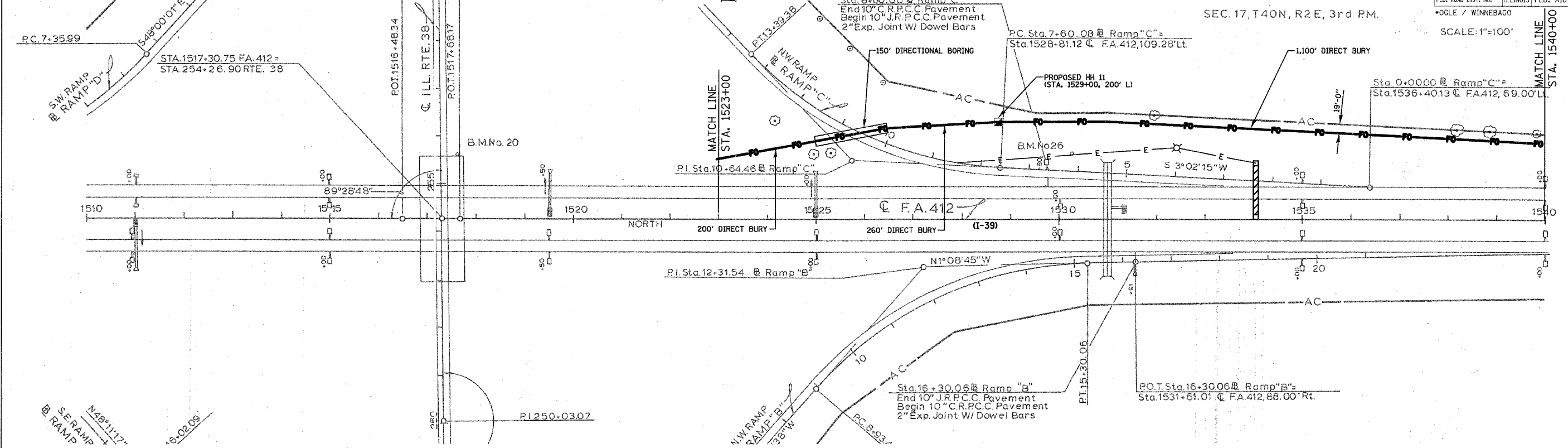
*OGLE / WINNEBAGO

SCALE: 1"=100'

U.S.G.S. DATUM
5th G.A. (1929)

SEC. 20, T40N, R2E, 3rd.PM.

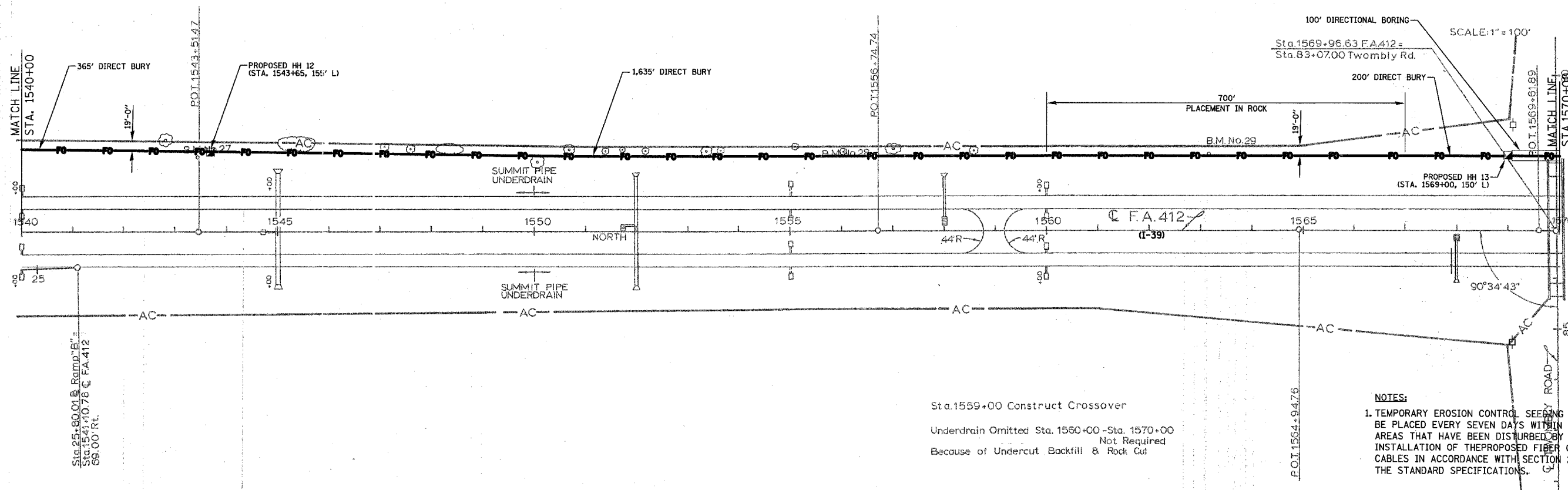
SEC. 17, T40N, R2E, 3rd.PM.



SE RAMP
RAMP
N28°11'17"
16+02.09

U.S.G.S. DATUM
5th G.A. (1929)

SEC. 17, T40N, R2E, 3rd.PM.



Sta.1559+00 Construct Crossover
Underdrain Omitted Sta. 1560+00 -Sta. 1570+00
Not Required
Because of Undercut Backfill & Rock Cut

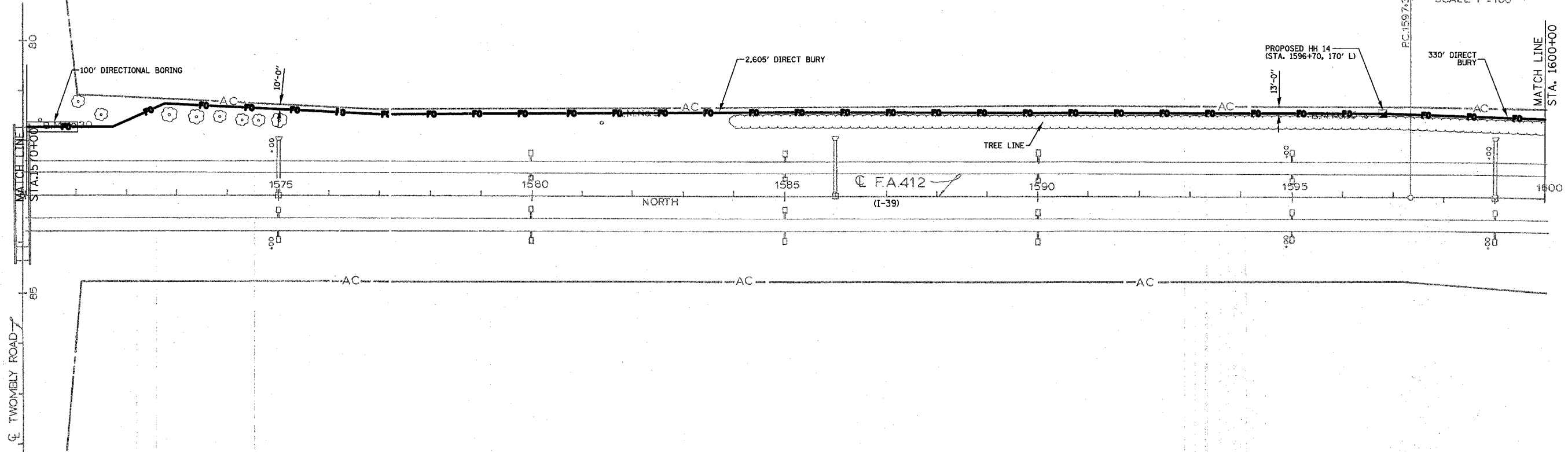
NOTES:
1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLOT DATE = 12/14/2006
FILE NAME = G:\ENGIN\68-6798-13\DOT\G:\ASHA\SHR\11_PLOT_05.dgn
USER NAME = ASHER

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	•	46	12
STA. 1570+00		TO STA. 1630+00		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
• OGLE / WINNEBAGO				
SCALE 1" = 100'				

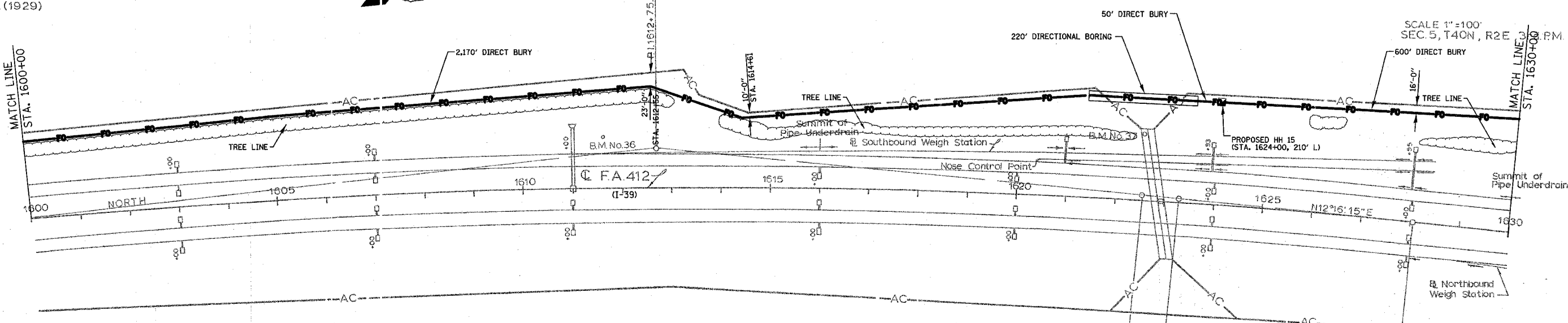
I.S.G.S. DATUM
(th G.A. 1929)

SEC. 8 T40N, R2E, 3rd. P.M.



SEC. 8, T40N, R2E, 3rd. P.M.

I.S.G.S. DATUM
(th G.A. 1929)



P.I. 1612+75.94
 $\Delta = 12^\circ 16' 15''$
 $D = 0^\circ 24' 00''$
 $R = 14,323.90'$
 $T = 1,539.74'$
 $L = 3,067.71'$
 $E = 62.52'$
 $Se = 0.020\%$
 S.A. & Crown Reduced to Zero
 Sta. 1595+76.20 to Sta. 1598+1620
 Sta. 1627+2391 to Sta. 1629+63.91

NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

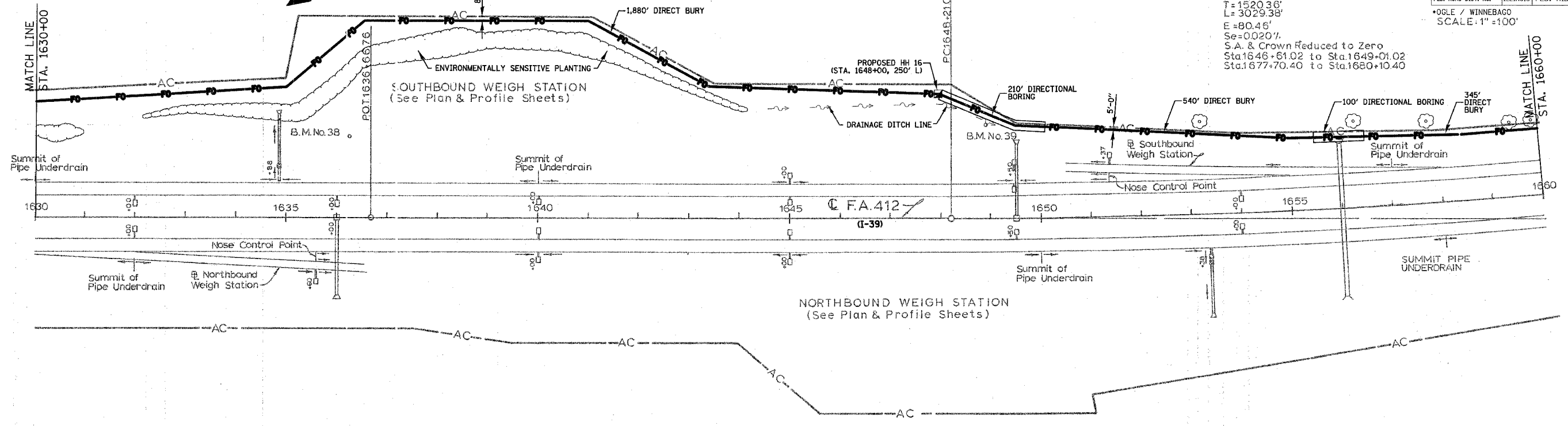
PLOT DATE = 12/11/2006
 FILE NAME = D:\ENGIN\0798-13\DOT\CA\SHA\SHR102.FCP\p1n_06.dgn
 PLOT SCALE = 1/8"=1'-0"
 USER NAME = JUSEN8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	13

STA. 1630+00 TO STA. 1680+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 *OGLE / WINNEBAGO
 SCALE: 1"=100'

5th G.A. (1929)

$\Delta = 12^{\circ}07'03''$
 $D = 0^{\circ}24'00''$
 $R = 14,323.90'$
 $T = 1520.36'$
 $L = 3029.38'$
 $E = 80.46'$
 $Se = 0.020\%$
 S.A. & Crown Reduced to Zero
 Sta. 1646+61.02 to Sta. 1649+01.02
 Sta. 1677+70.40 to Sta. 1680+10.40

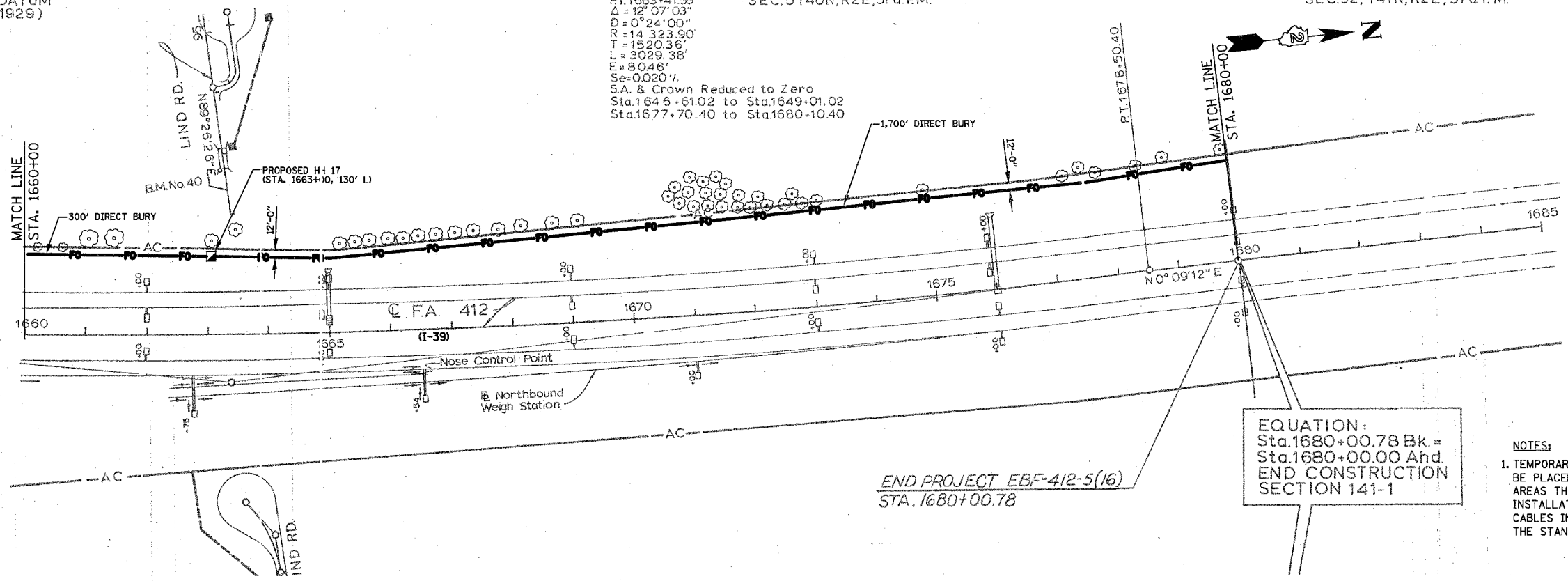


U.S.G.S. DATUM
 5th G.A. (1929)

P1.1663+41.33
 $\Delta = 12^{\circ}07'03''$
 $D = 0^{\circ}24'00''$
 $R = 14,323.90'$
 $T = 1520.36'$
 $L = 3029.38'$
 $E = 80.46'$
 $Se = 0.020\%$
 S.A. & Crown Reduced to Zero
 Sta. 1646+61.02 to Sta. 1649+01.02
 Sta. 1677+70.40 to Sta. 1680+10.40

SEC. 32, T41N, R2E, 3rd. PM.

SCALE: 1"=11'



EQUATION:
 Sta. 1680+00.78 Bk. =
 Sta. 1680+00.00 Ahd.
 END CONSTRUCTION
 SECTION 141-1

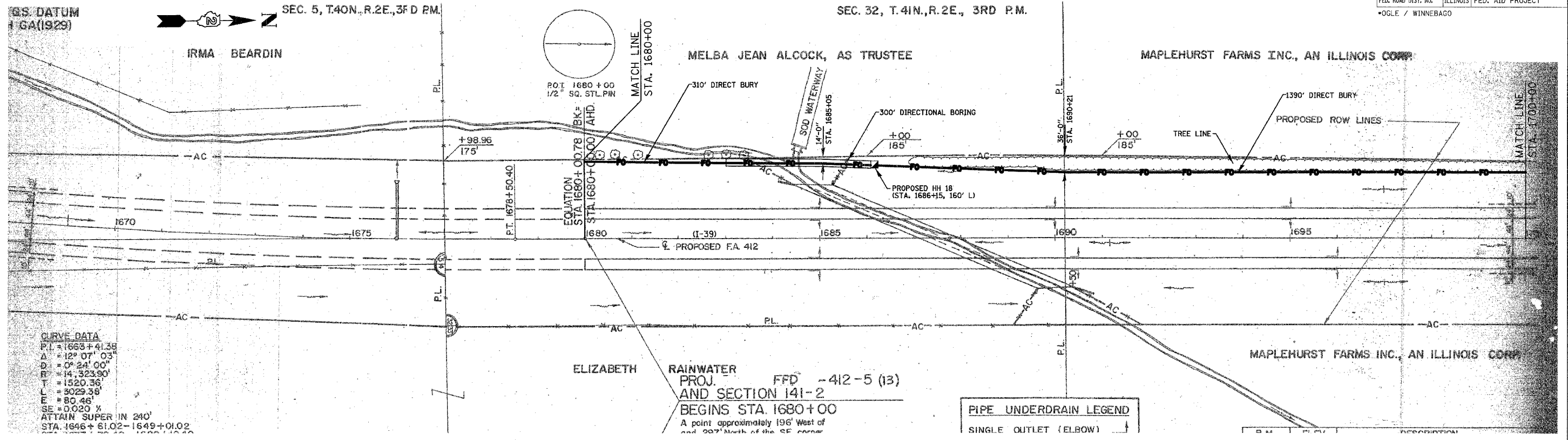
END PROJECT EBF-412-5(16)
 STA. 1680+00.78

- NOTES:
- TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

DATE: 12/14/2006
 TIME: 10:00 AM
 PLOT SCALE: 1"=100'
 USER NAME: JUSERS

DATE	BY	DESCRIPTION

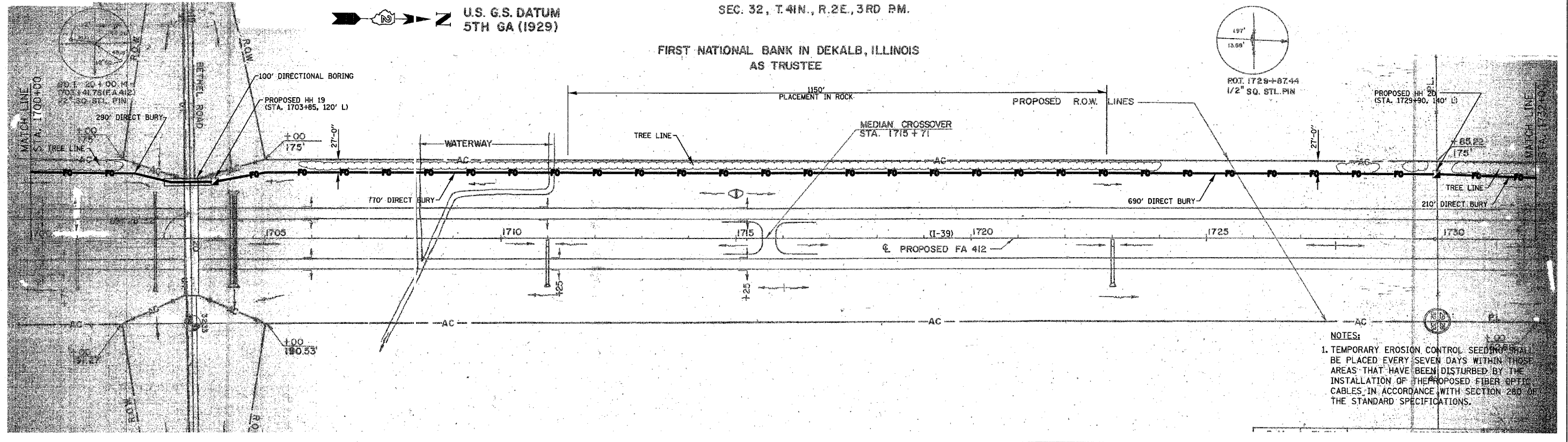
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	14
STA. 1680+00		TO STA. 1732+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				



CURVE DATA
 P.I. = 1683+41.38
 Δ = 12° 07' 03"
 D = 0° 24' 00"
 R = 14,323.90'
 L = 1520.36'
 E = 80.46'
 SE = 0.020 %
 ATTAIN SUPER IN 240'
 STA. 1646+61.02 - 1649+01.02

RAINWATER PROJ. FFD - 412-5 (13) AND SECTION 141-2 BEGINS STA. 1680+00
 A point approximately 196' West of and 92' North of the SE corner

PIPE UNDERDRAIN LEGEND
 SINGLE OUTLET (ELBOW)



NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

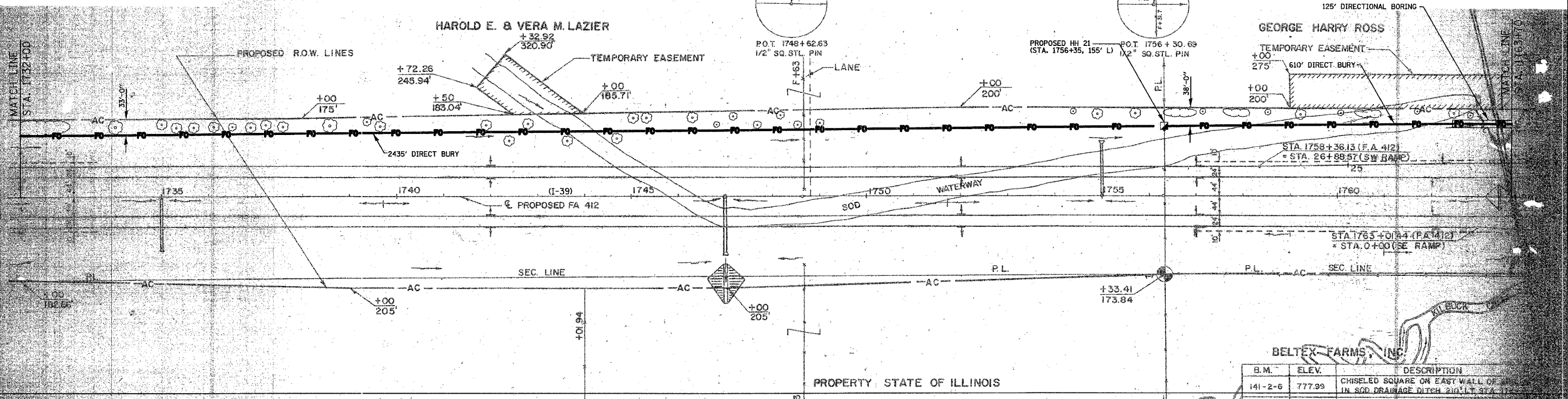
PLOT DATE = 12/14/2006
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 USER = USER14

F.A.T. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	15
STA. 1732+00		TO STA. 1775+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				



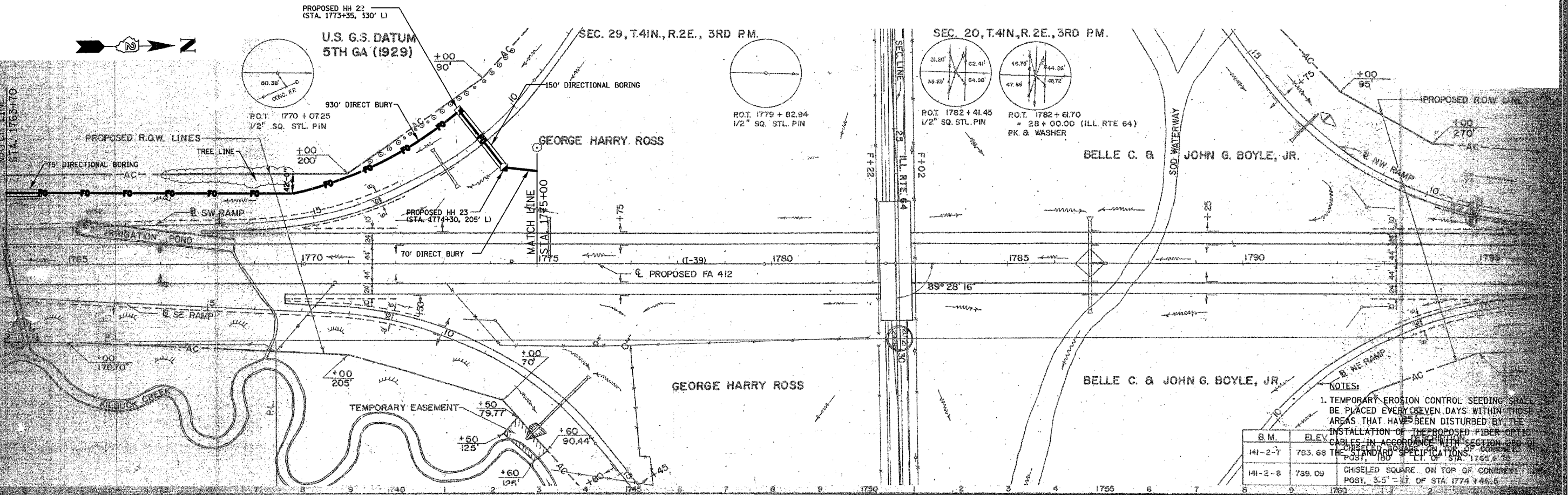
U.S. G.S. DATUM
5TH GA (1929)

SEC. 29, T.41N., R.2E., 3RD PM.



U.S. G.S. DATUM
5TH GA (1929)

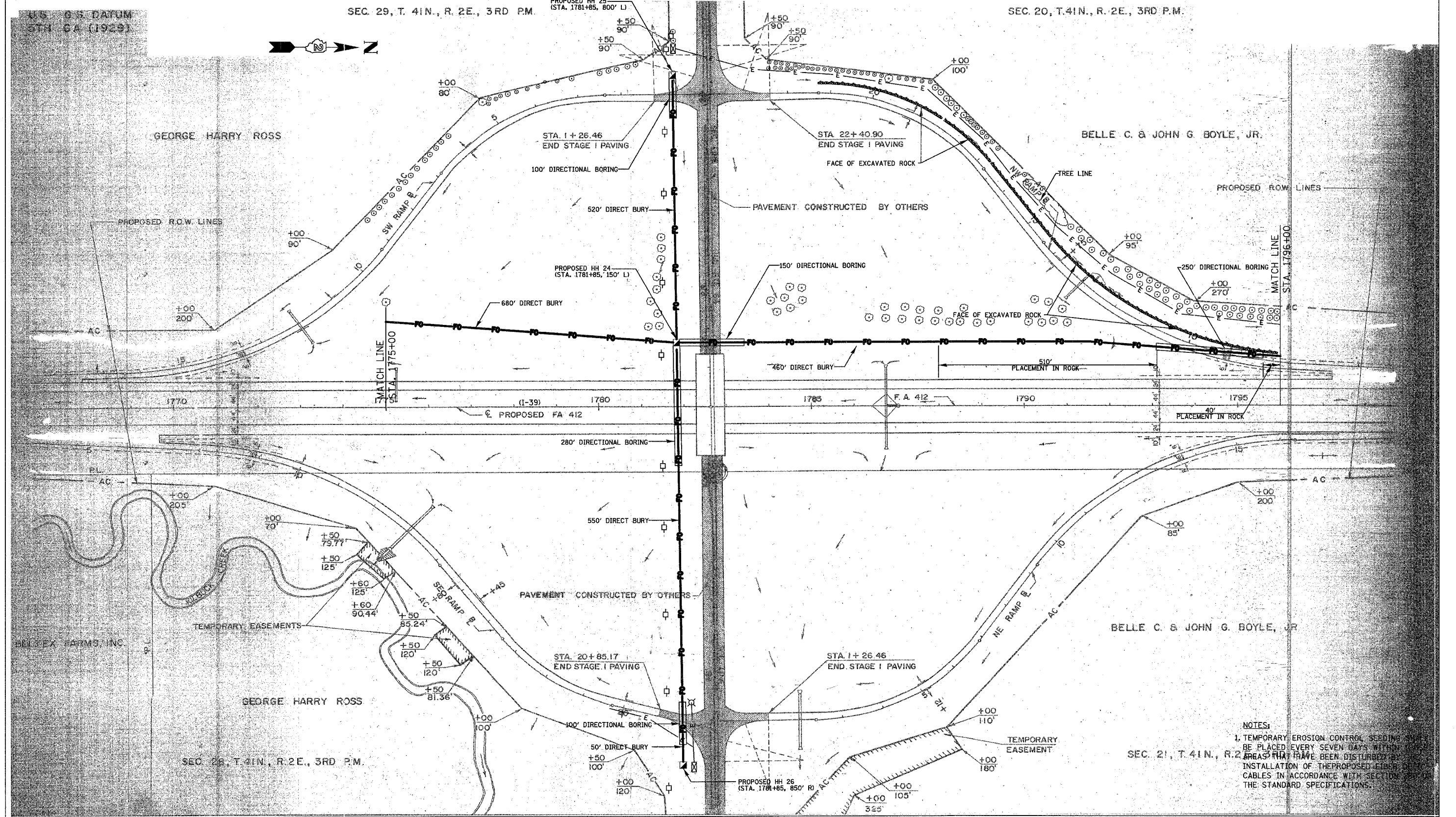
SEC. 29, T.41N., R.2E., 3RD PM.



PLOT DATE = 12/14/2006
 FILE NAME = G:\ENR\68-6798-13\DOT\CADD\SHR215.FD.P1.dwg
 USER = USER8

NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 980 OF THE STANDARD SPECIFICATIONS OF CONCRETE AND REINFORCING STEEL, 1765 & 22.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	16
STA. 1775+00 TO STA. 1796+00				
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	
*OCLE / WINNEBAGO				



NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN AREAS THAT HAVE BEEN DISTURBED BY INSTALLATION OF THE PROPOSED FIBER CABLES IN ACCORDANCE WITH SECTION THE STANDARD SPECIFICATIONS.

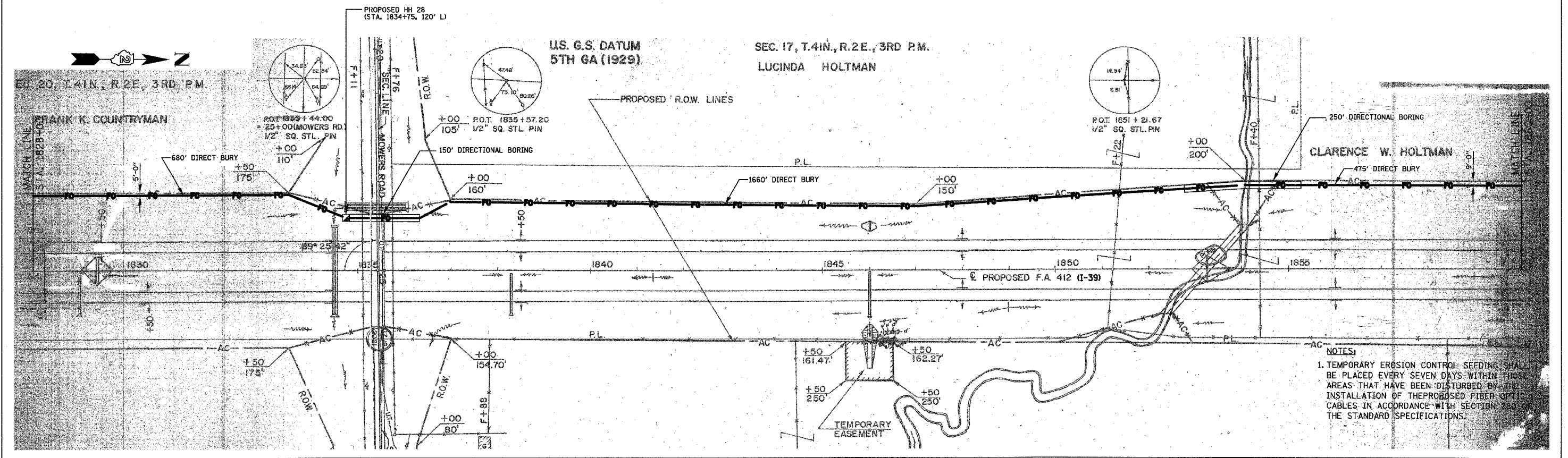
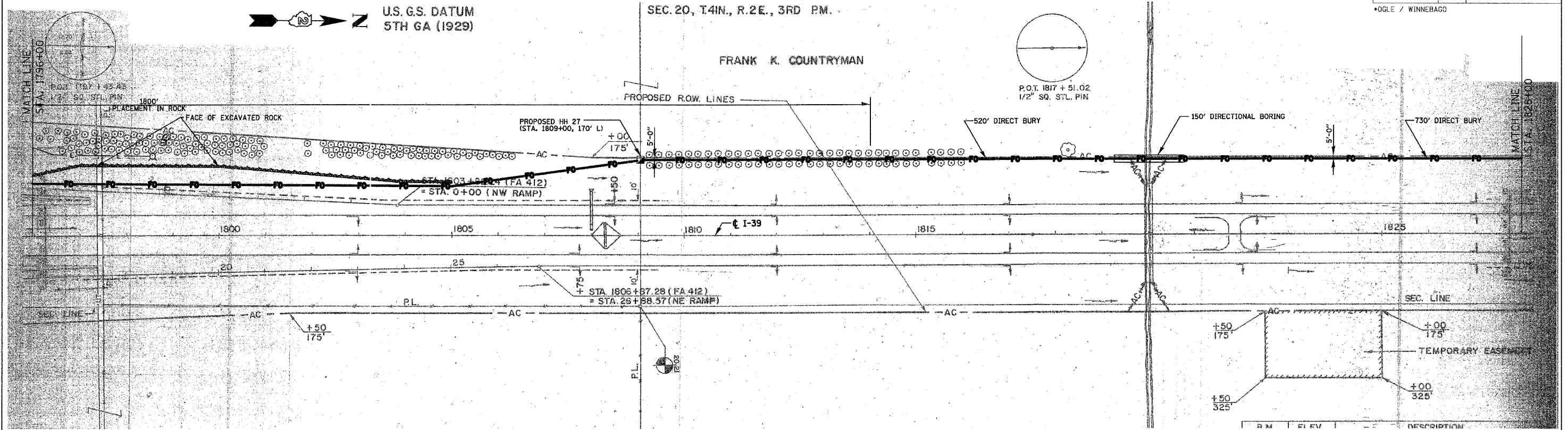
PLOT DATE = 12/14/2008
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 USER = JLS
 USER NAME = JLS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	•	46	17

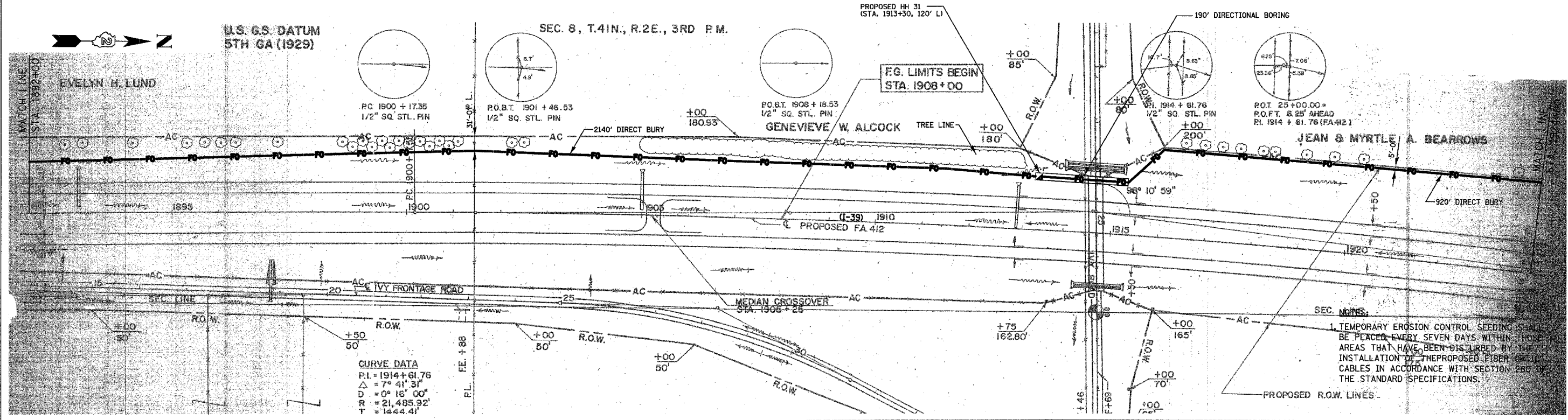
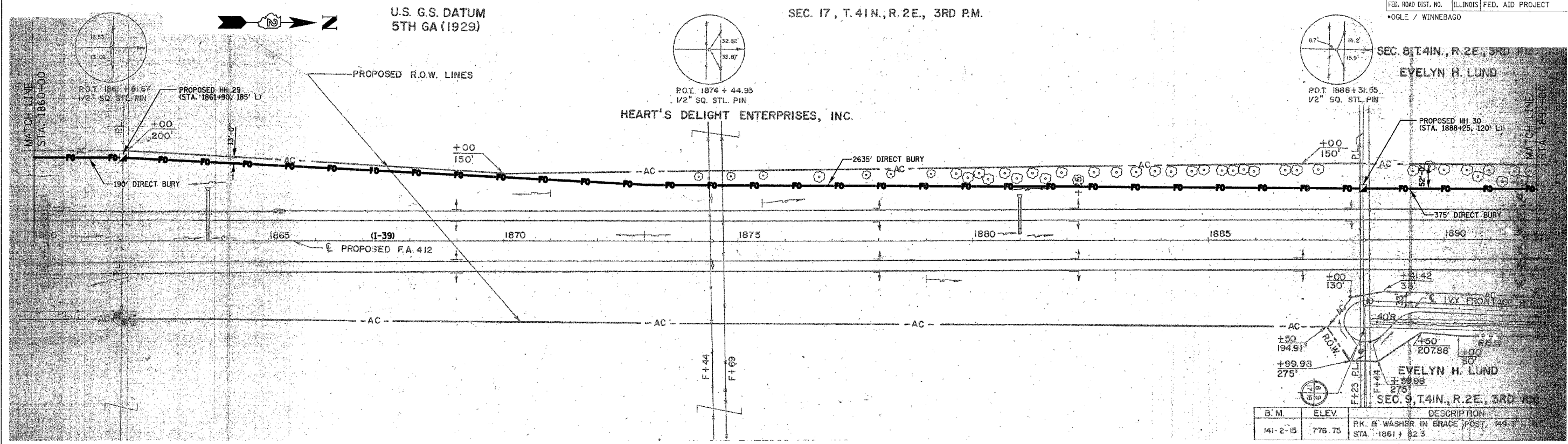
STA. 1796+00 TO STA. 1860+00

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

• OGLE / WINNEBAGO

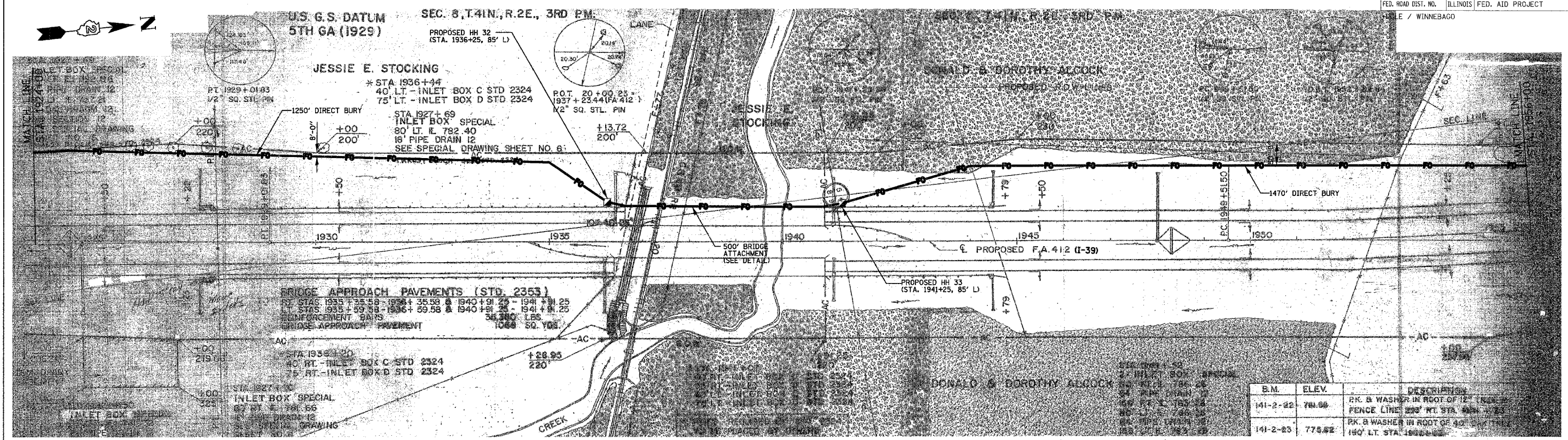


F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEET NO.	SHEET NO.
39	141 / 201	*	46	18
STA. 1860+00 TO STA. 1924+00				
FED. ROAD DIST. NO. ILLINOIS			FED. AID PROJECT	
*OGLE / WINNEBAGO				



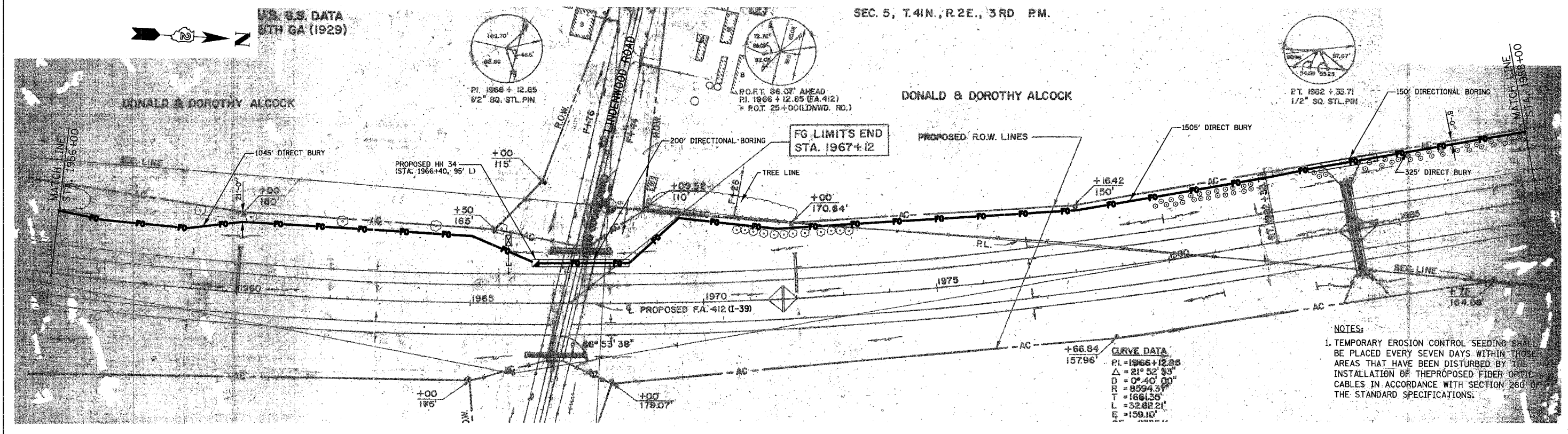
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 USER NAME = AUSER8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	•	46	19
STA. 1924+00		TO STA. 1988+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
WILLIAMS / WINNEBAGO				



B.M.	ELEV.	DESCRIPTION
141-2-22	784.00	PK. & WASHER IN ROOT OF 12" TREE
141-2-23	775.62	PK. & WASHER IN ROOT OF 40" TREE

PLOT DATE = 12/11/2006
 PLOT SCALE = 850/1100
 USER NAME = JUSER8



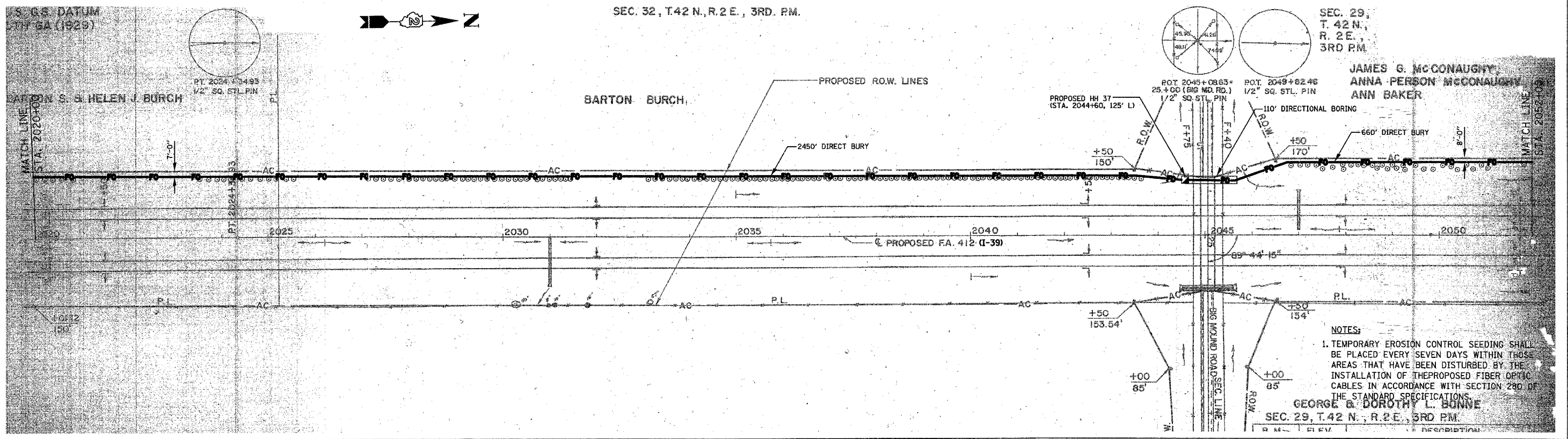
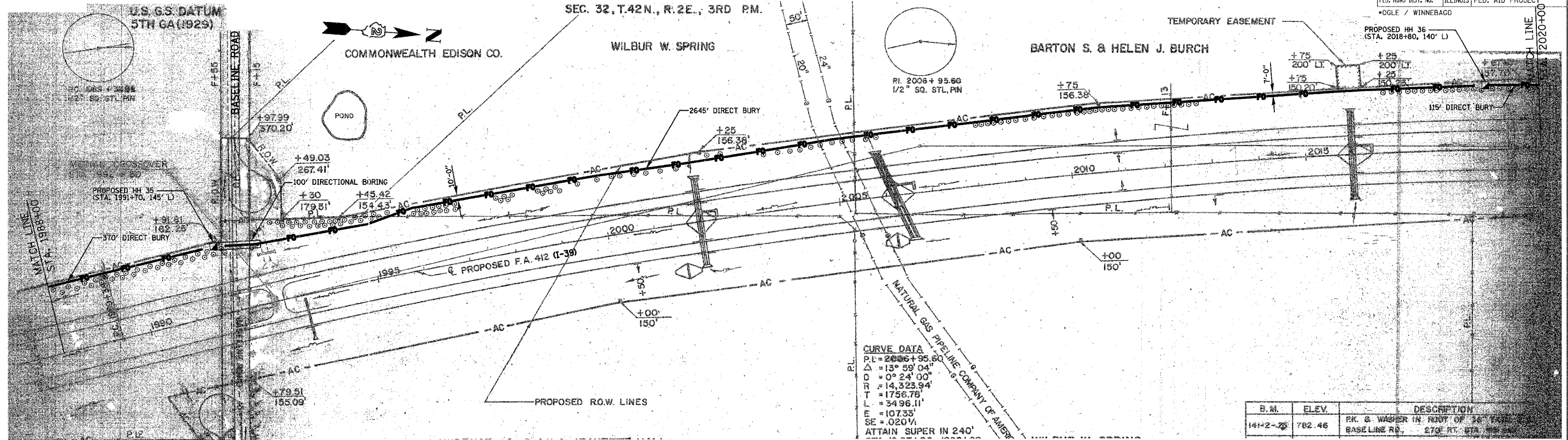
CURVE DATA

PI = 1966+12.85
Δ = 21° 52' 53"
D = 0° 40' 00"
R = 8594.3'
T = 1661.35'
L = 32.8221'
E = 159.10'

NOTES:

- TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	•	46	20
STA. 1988+00 TO STA. 2052+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
• OGLE / WINNEBAGO				



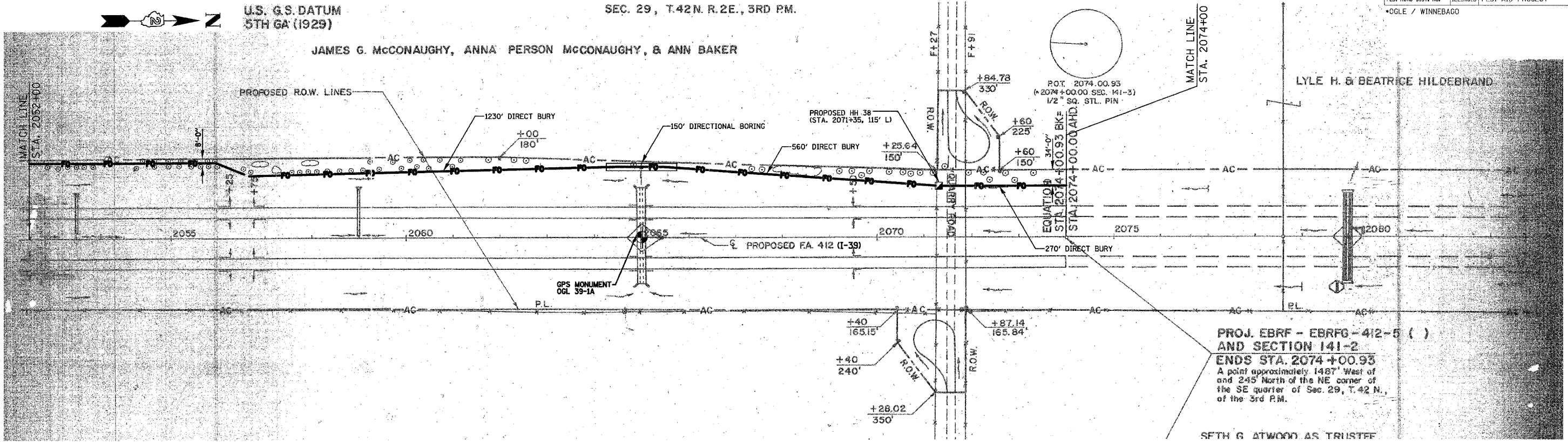
PLOT DATE = 12/14/2006
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 USER = JMB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	21
STA. 2052+00		TO STA. 2090+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				

U.S. G.S. DATUM
5TH GA (1929)

SEC. 29, T.42N. R.2E., 3RD PM.

JAMES G. MCCONAUGHY, ANNA PERSON MCCONAUGHY, & ANN BAKER



PROJ. EBRF - EBRFG-412-5 ()
AND SECTION 141-2
ENDS STA. 2074+00.93
A point approximately 1487' West of
and 245' North of the NE corner of
the SE quarter of Sec. 29, T.42 N.,
of the 3rd P.M.

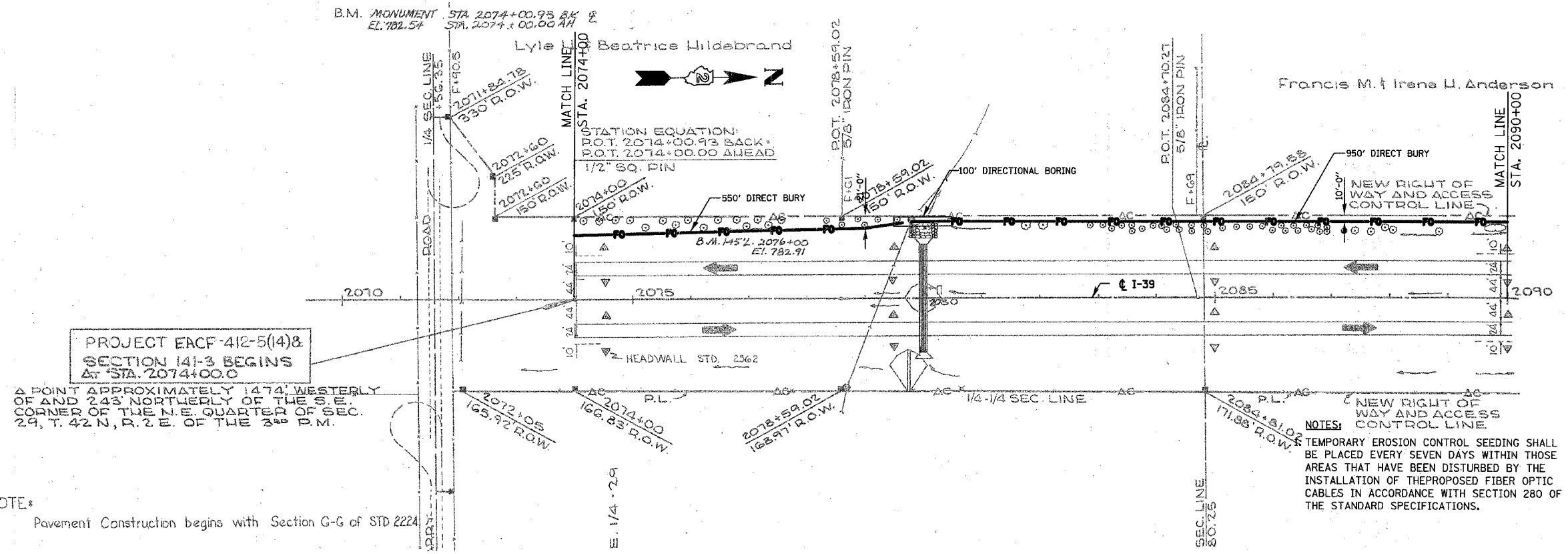
SFTH G ATWOOD AS TRUSTEE

U.S. G.S. DATUM
5TH GA (1929)

B.M. MONUMENT STA. 2074+00.93 BK E
EL. 782.54 STA. 2074+00.00 AH

Lyle & Beatrice Hildebrand

Francis M. & Irena U. Anderson



PROJECT EACF-412-5(14) &
SECTION 141-3 BEGINS
At STA. 2074+00.0

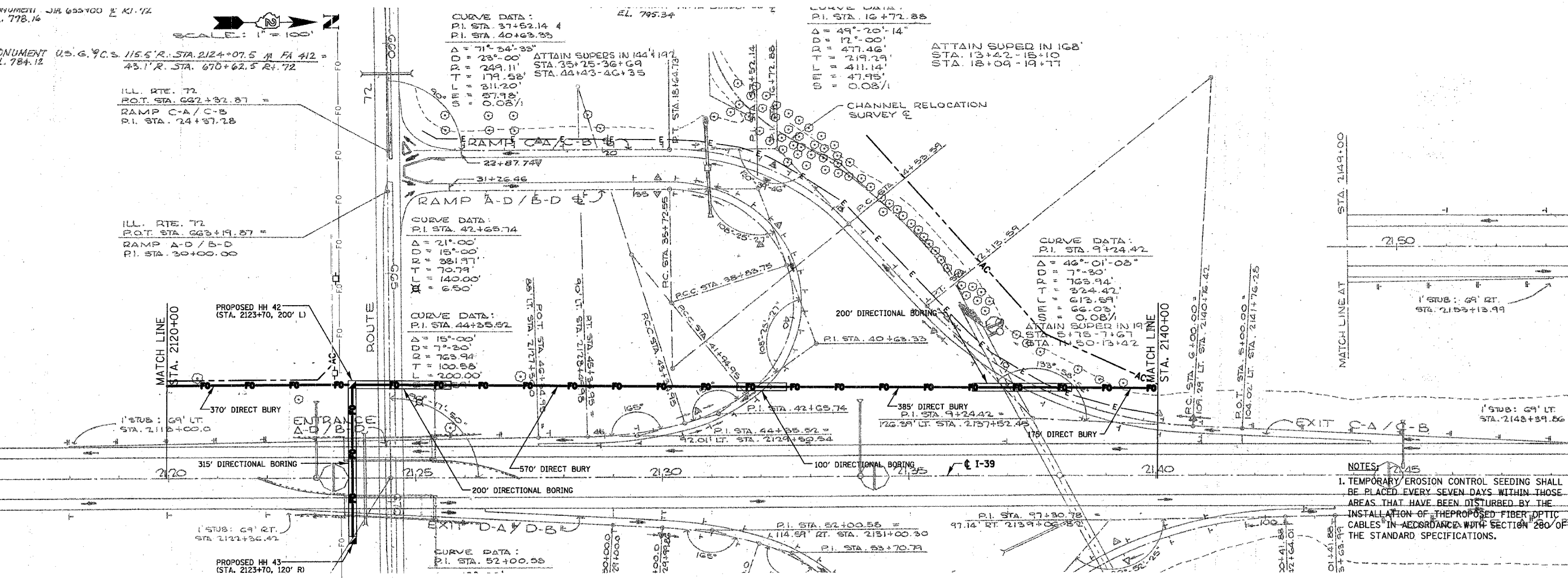
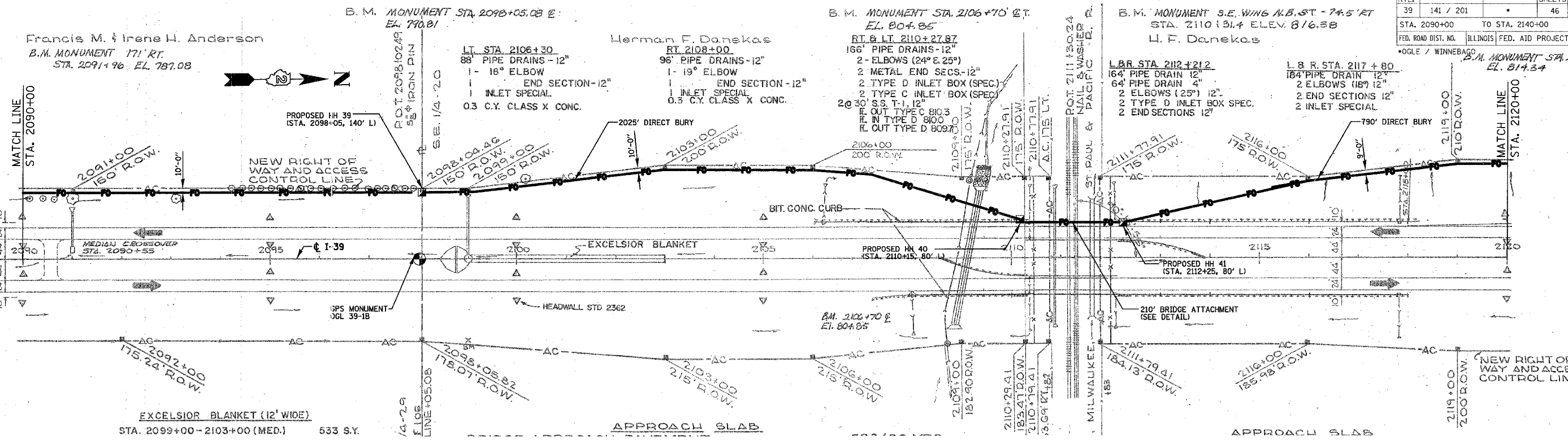
A POINT APPROXIMATELY 1474' WESTERLY
OF AND 243' NORTHERLY OF THE S.E.
CORNER OF THE N.E. QUARTER OF SEC.
29, T. 42 N., R. 2 E. OF THE 3RD P.M.

NOTE:
Pavement Construction begins with Section G-G of STD 2224

NOTES:
TEMPORARY EROSION CONTROL SEEDING SHALL
BE PLACED EVERY SEVEN DAYS WITHIN THE
AREAS THAT HAVE BEEN DISTURBED BY THE
INSTALLATION OF THE PROPOSED FIBER OPTIC
CABLES IN ACCORDANCE WITH SECTION 280 OF
THE STANDARD SPECIFICATIONS.

PLOT DATE = 12/14/2006
FILE NAME = G:\ENGIN\6-6796-13 100T\GIS\SM\SH1922\FD.Plot.dwg
USER = JUSER

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	22

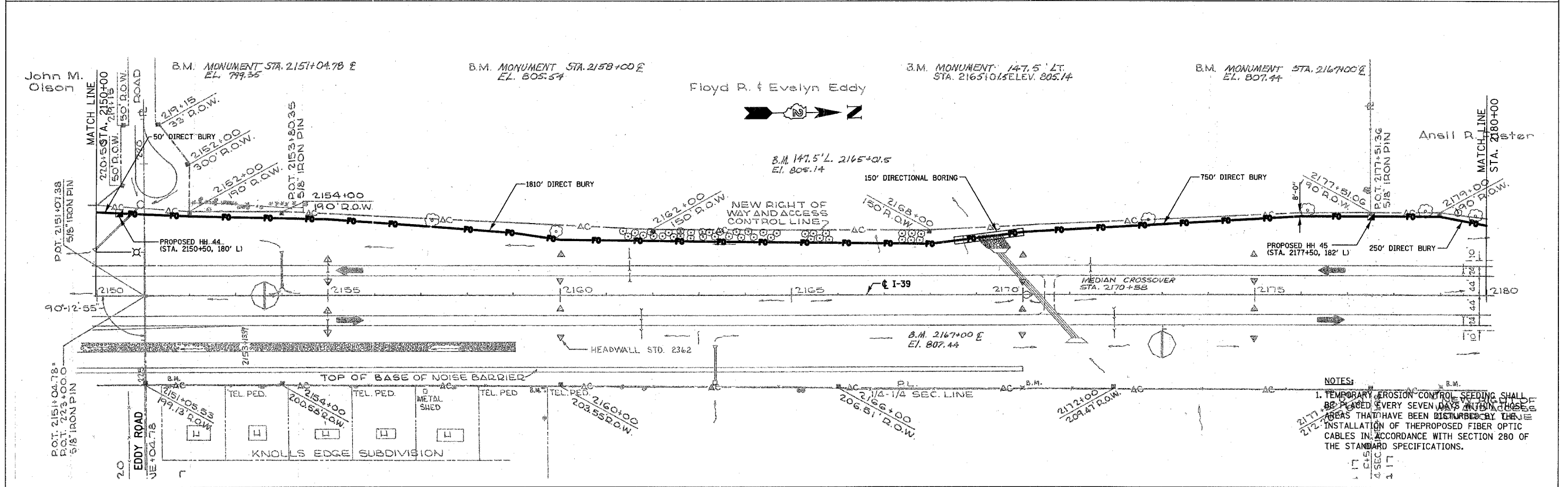
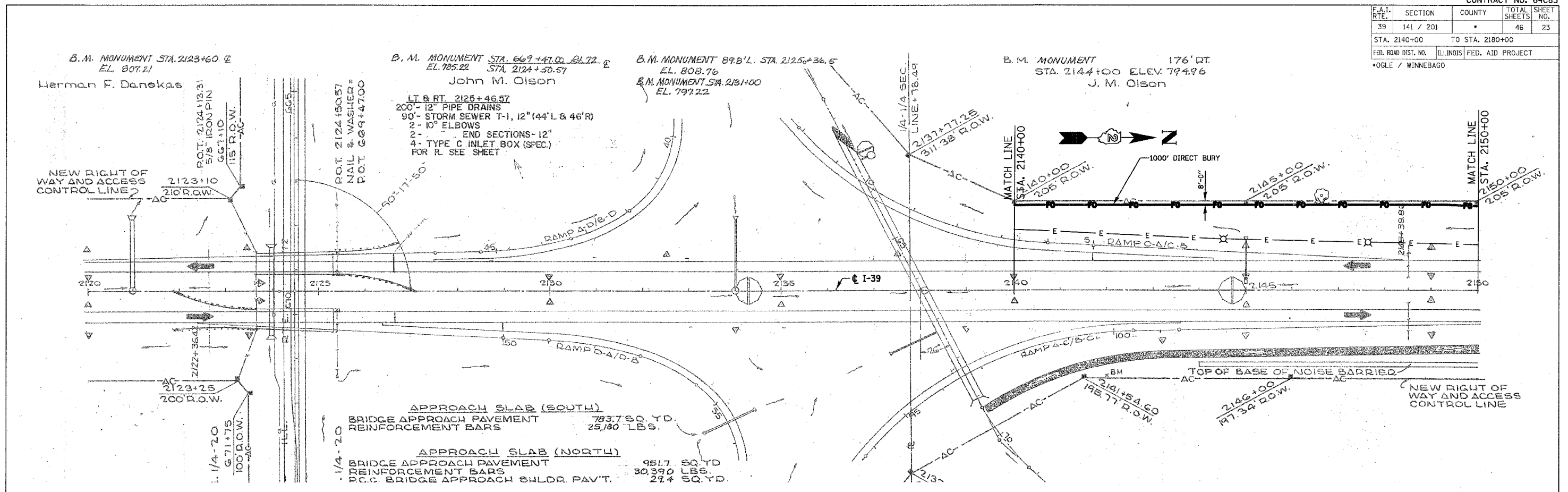


NOTES:

- TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLOT DATE = 12/14/2006
 PLOT SCALE = 1" = 100'
 USER NAME = BJSER4

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	23
STA. 2140+00		TO STA. 2180+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				



NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLOT DATE = 12/14/2006
 FILE NAME = I:\PROJECTS\64C83\100T.C\AS\41\G1023.PLOT\17.dgn
 USER NAME = JUSER8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	24
STA. 2180+00		TO STA. 2240+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*OGLE / WINNEBAGO				

B.M. MONUMENT 2/3 RT.
STA. 2184+00 ELEV. 809.51
Ansil R. Foster

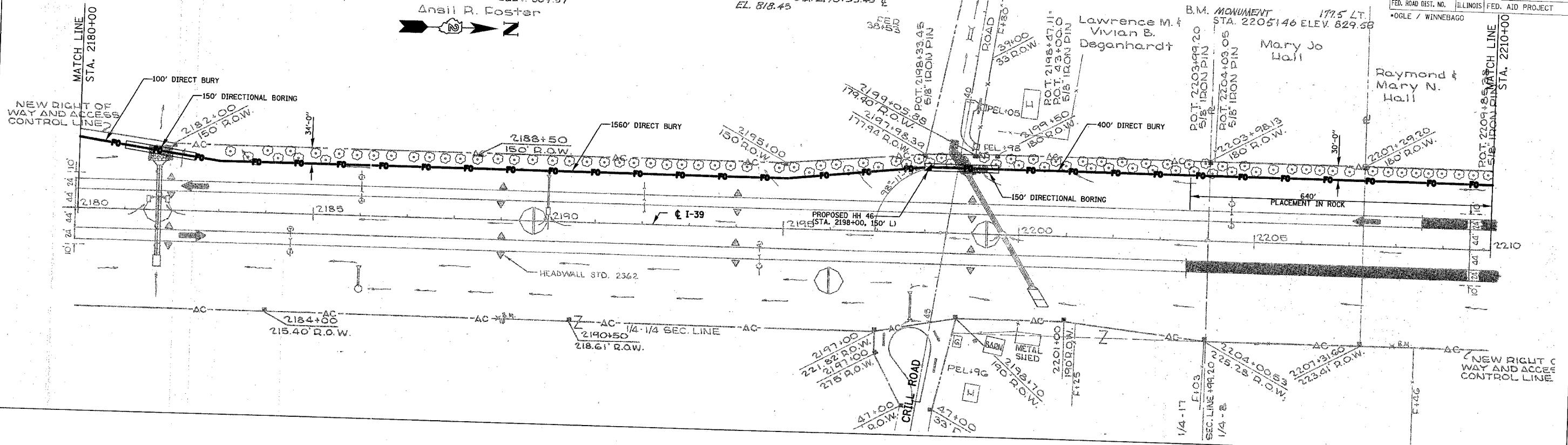
B.M. MONUMENT STA. 2198+33.45
EL. 818.43

B.M. MONUMENT 1775 LT.
STA. 2205+46 ELEV. 829.58

Lawrence M. & Vivian B. Deganhardt

Mary Jo Hall

Raymond & Mary N. Hall

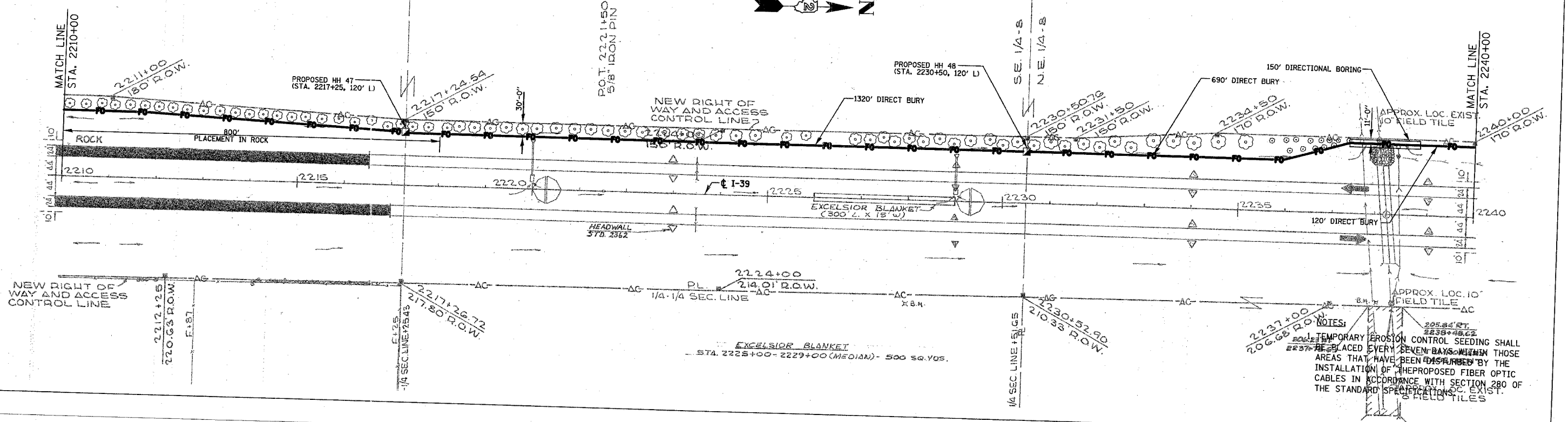


B.M. MONUMENT STA. 2210+00
EL. 828.16

B.M. MONUMENT STA. 2223+80
EL. 815.81

B.M. MONUMENT 1465 LT.
STA. 2223+96 ELEV. 813.16
Raymond & Mary N. Hall

B.M. MONUMENT STA. 2235+00
EL. 796.94



NOTES:
1. TEMPORARY EROSION CONTROL SEEDING SHALL BE REPLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS, C. EXIST. 10\"/>

PLOT DATE = 12/14/2006
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PLOT SCALE = #SCALE#
USER NAME = #USER#

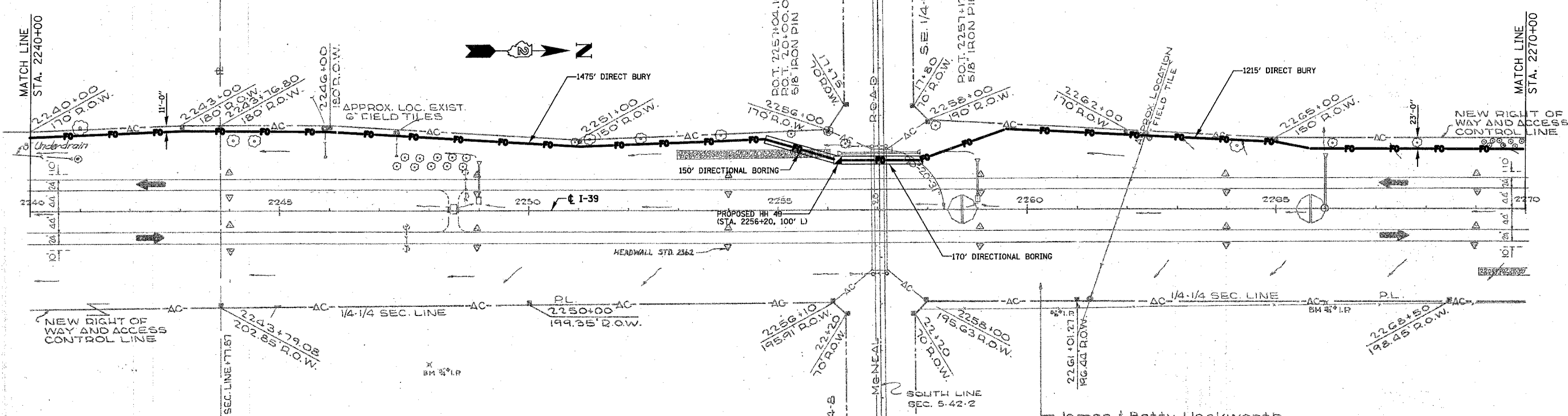
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	25
STA. 2240+00		TO STA. 2300+00		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				

Raymond & Mary N. Hall

B.M. MONUMENT 201' RT.
STA. 2243+79 ELEV. 807.11
Eddie Clankie

B.M. MONUMENT STA. 2255+00 @
EL. 811.41

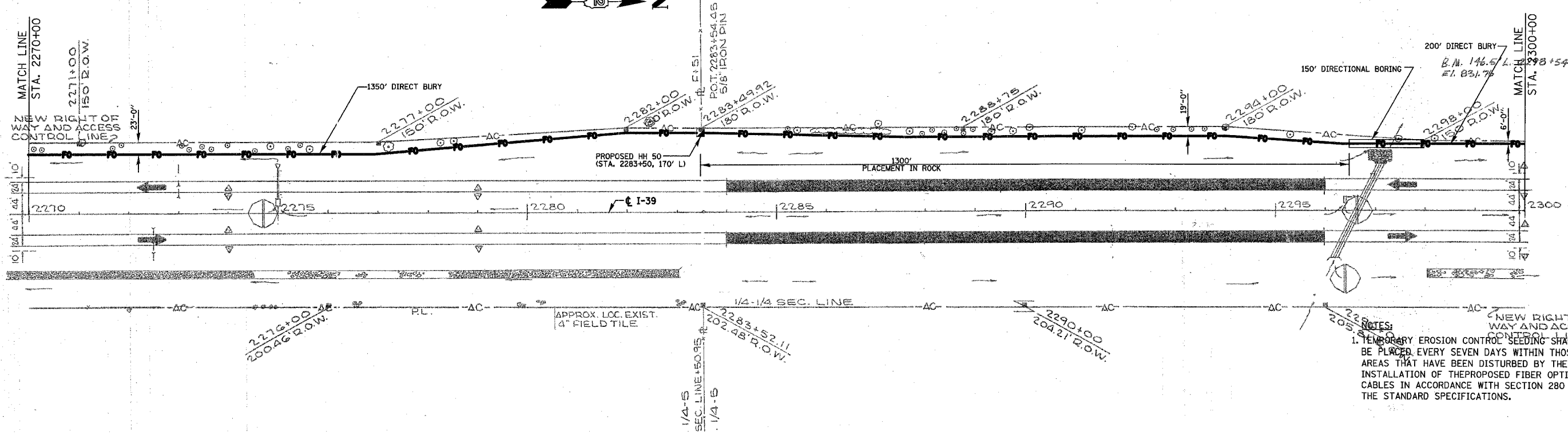
B.M. MONUMENT 2257+04 @
CENTER CRASHWALL EL. 816.36
Maynard W. Troxell



B.M. MONUMENT
147' LT. STA. 2275+00 ELEV. 843.83
Maynard W. Troxell

B.M. MONUMENT STA. 2283+54.45 @
ELEV. 846.35

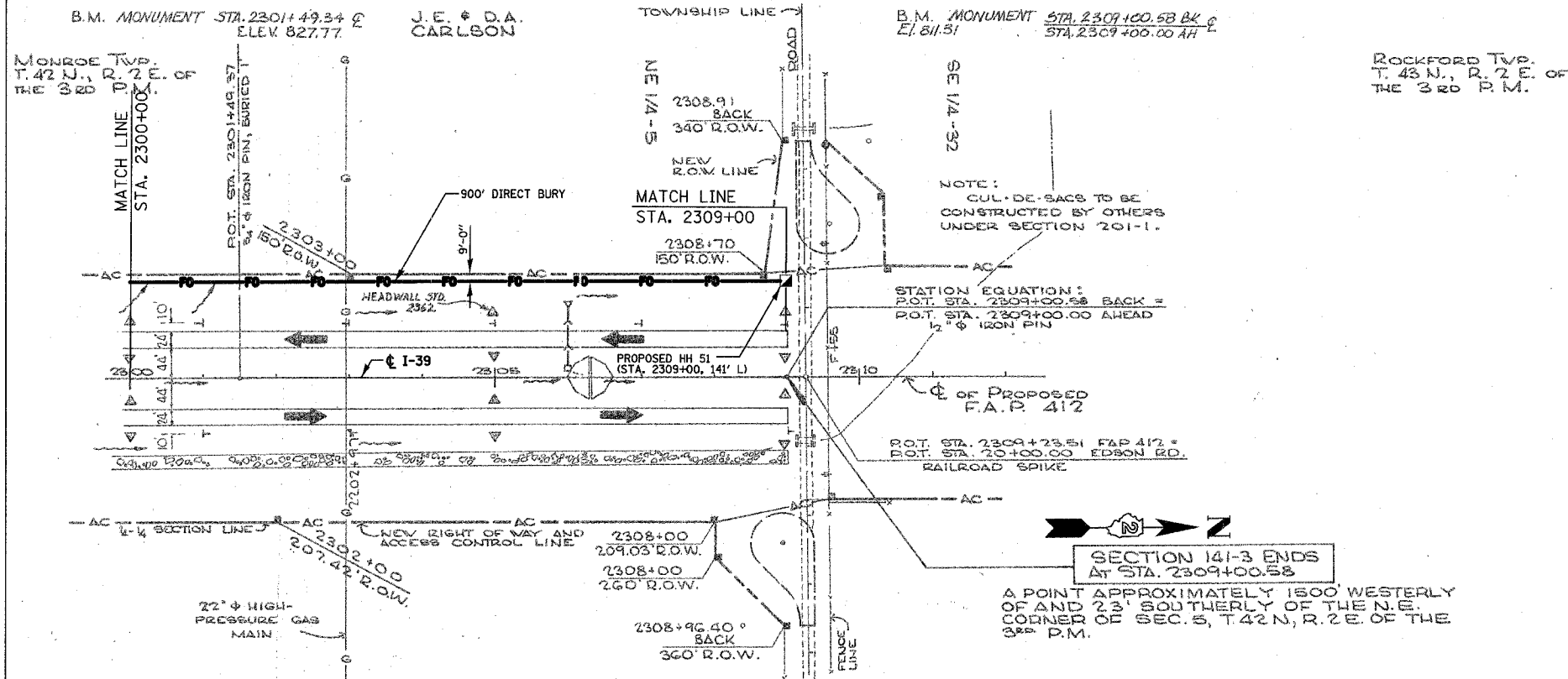
John E. & Dorothy Carlson



NOTES:
1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

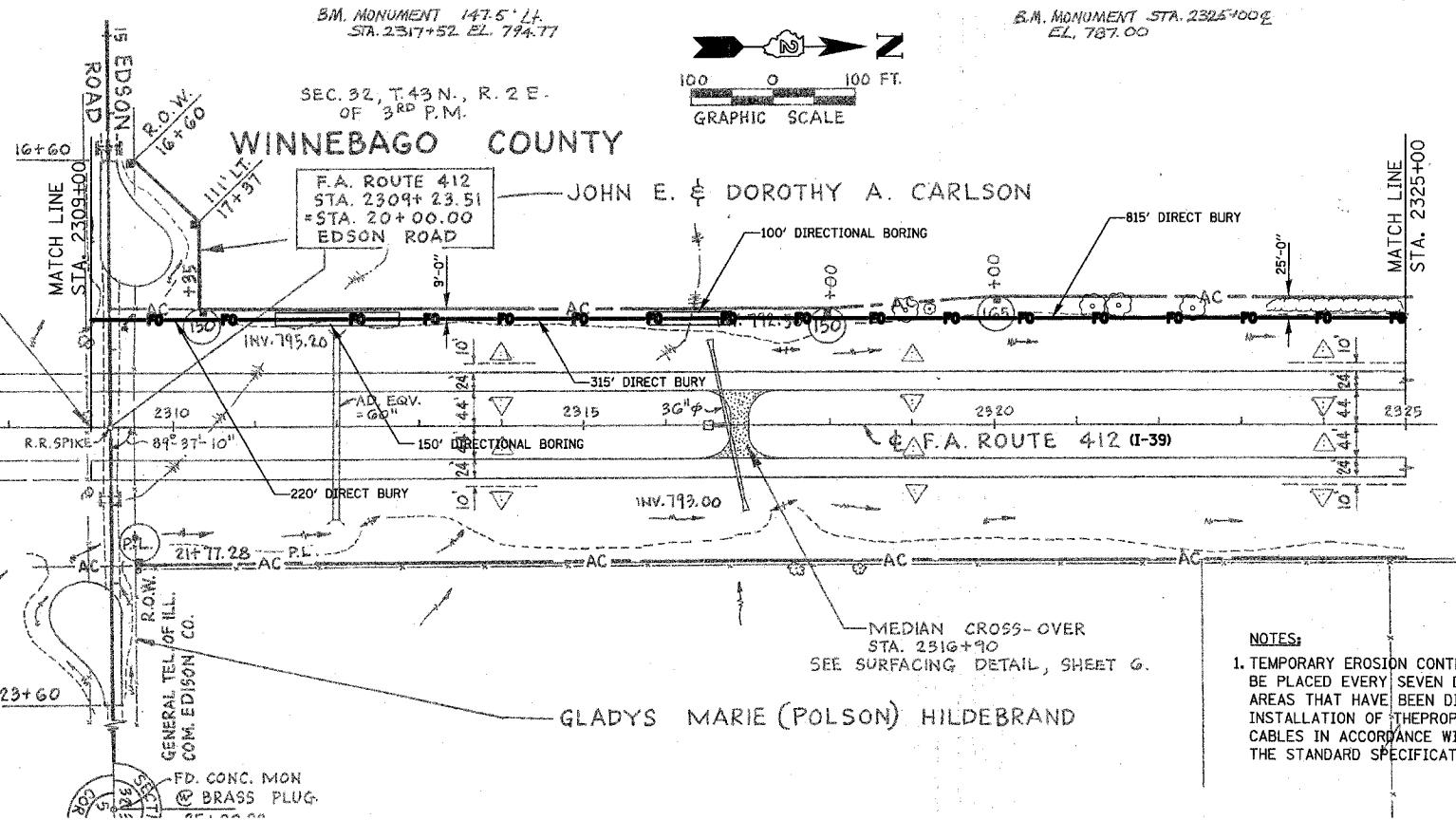
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USER NAME = JHEBER

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	26
STA. 2300+00 TO STA. 2325+00				
FED. ROAD DIST. NO.			ILLINOIS FED. AID PROJECT	
*OGLE / WINNEBAGO				



J.S.C. & G.S. DATUM
 SEA LEVEL 1929
 SEC. 5 T. 42 N. R. 2 E.
 OF 3RD P.M.
 OGLE COUNTY

F.A. PROJECT
 SECTION 201-1-1 BEGINS
 STA. 2309+00.00 AHD.
 = STA. 2309+00.58 BK.
 A POINT 1500.93 FEET WEST AND 23.51 FEET SOUTH OF THE S.E. CORNER OF SECTION 32, T. 43 N., R. 2 E. OF THE 3RD P.M.



NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

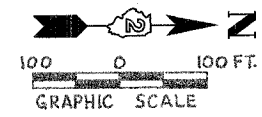
PLOT DATE = 12/14/2008
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 PLOT SCALE = 1"=50'
 USER NAME = 405084

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	27

B.M. MONUMENT 169 RT.
STA. 2329+98 EL. 787.82

JOHN E. & DOROTHY A. CARLSON

B.M. MONUMENT STA. 2340+00.2
EL. 791.50

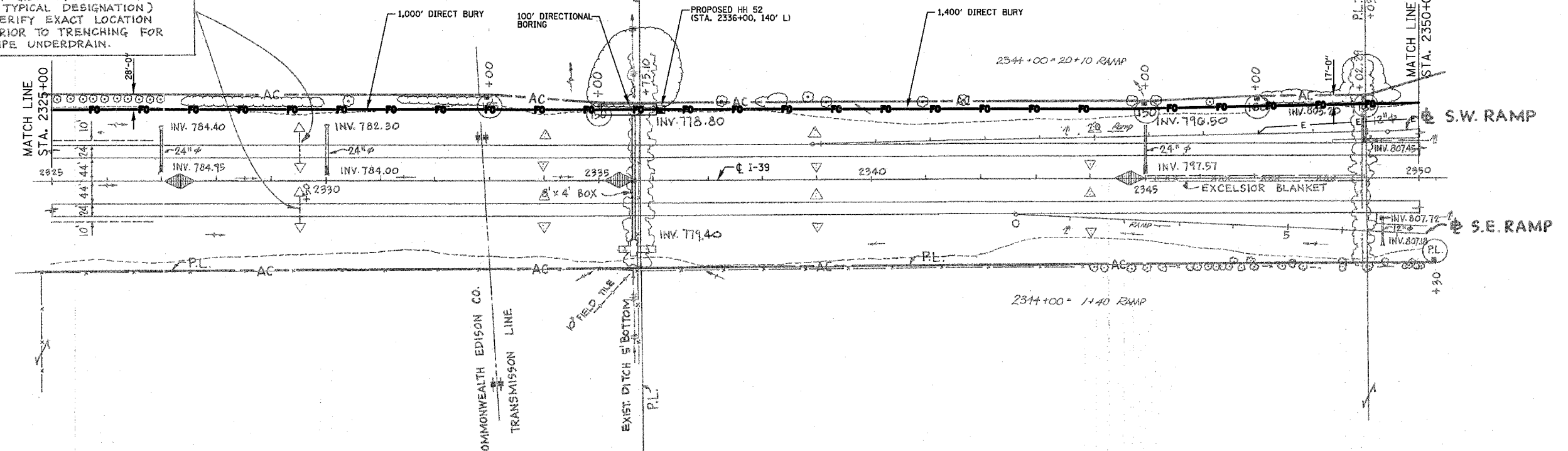


STA. 2325+00 TO STA. 13+00 (NW RAMP)
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
*00LE / WINNEBAGO

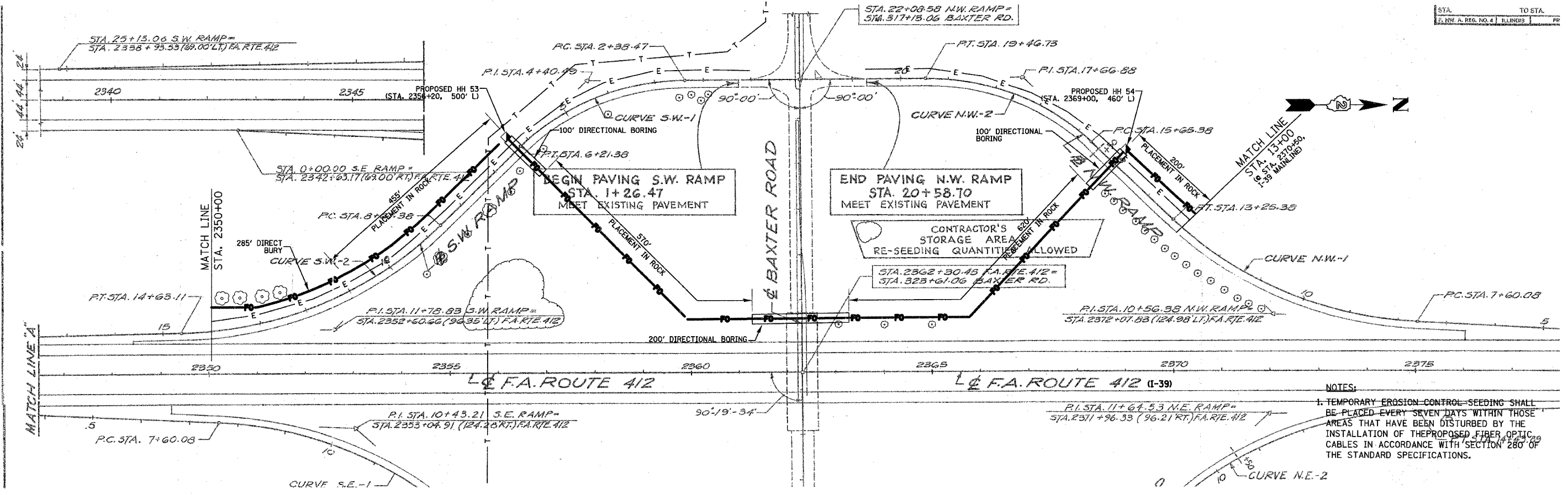
ARVID W. SEAGREN

EMERY J. & LINDA RUTH WATSON

PIPE UNDERDRAIN, SPECIAL BY GRADING CONTRACTOR (TYPICAL DESIGNATION) VERIFY EXACT LOCATION PRIOR TO TRENCHING FOR PIPE UNDERDRAIN.



STA.	TO STA.
F. INV. A. REG. NO. 4	ILLINOIS

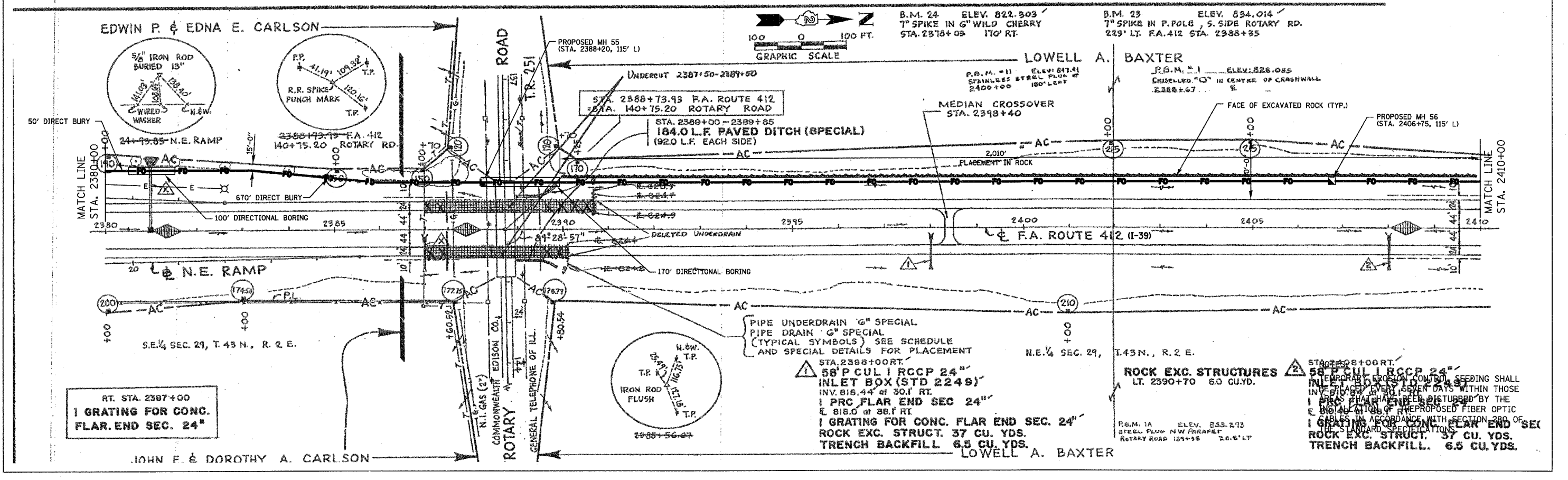
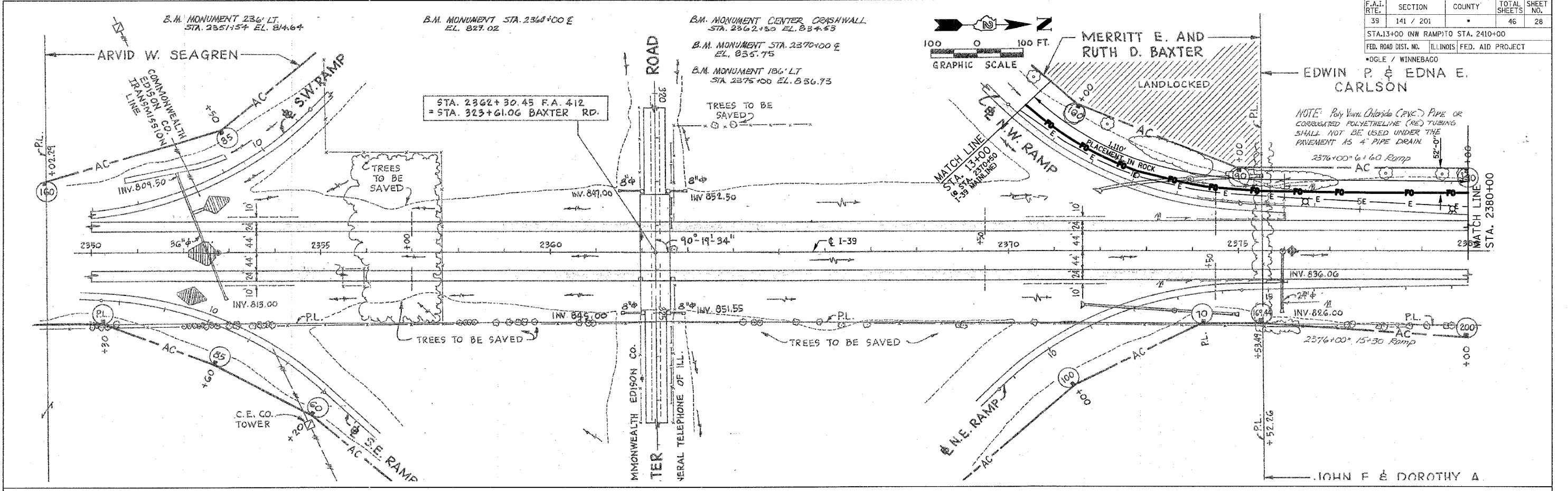


NOTES:
1. TEMPORARY EROSION CONTROL-SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

DATE = 12/14/2006
FILE NAME = 64C83-141-201-27.dwg
PLOT SCALE = 1"=40'
USER NAME = MUSER8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	28

STA. 13+00 (NW RAMP) TO STA. 2410+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 *OGLE / WINNEBAGO

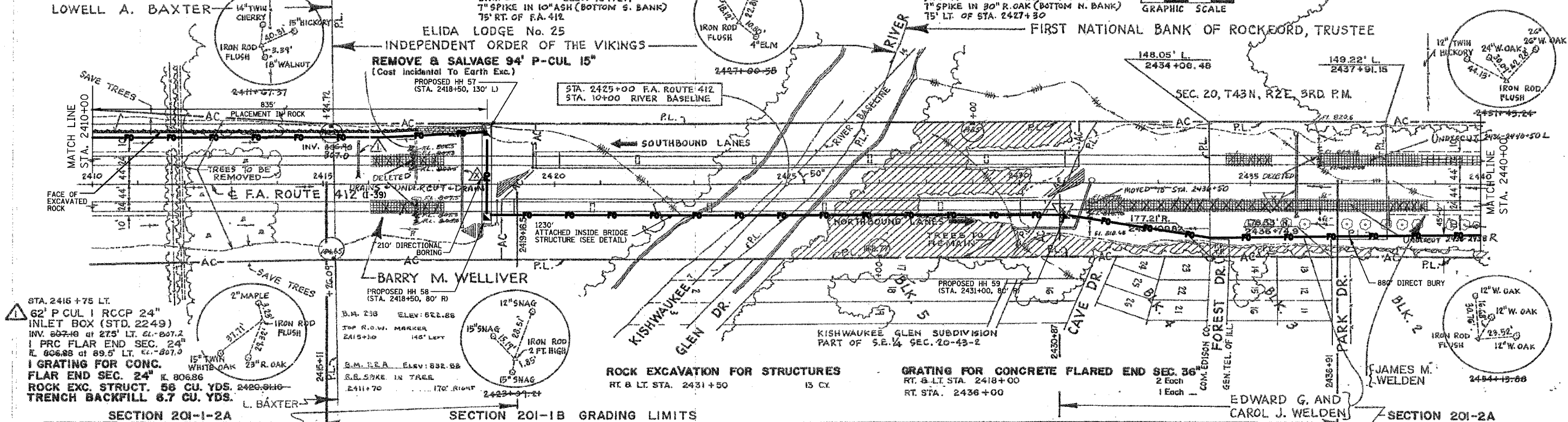


PLOT DATE = 12/14/2005
 PLOT SCALE = 1"=40'
 USER NAME = MUSEN

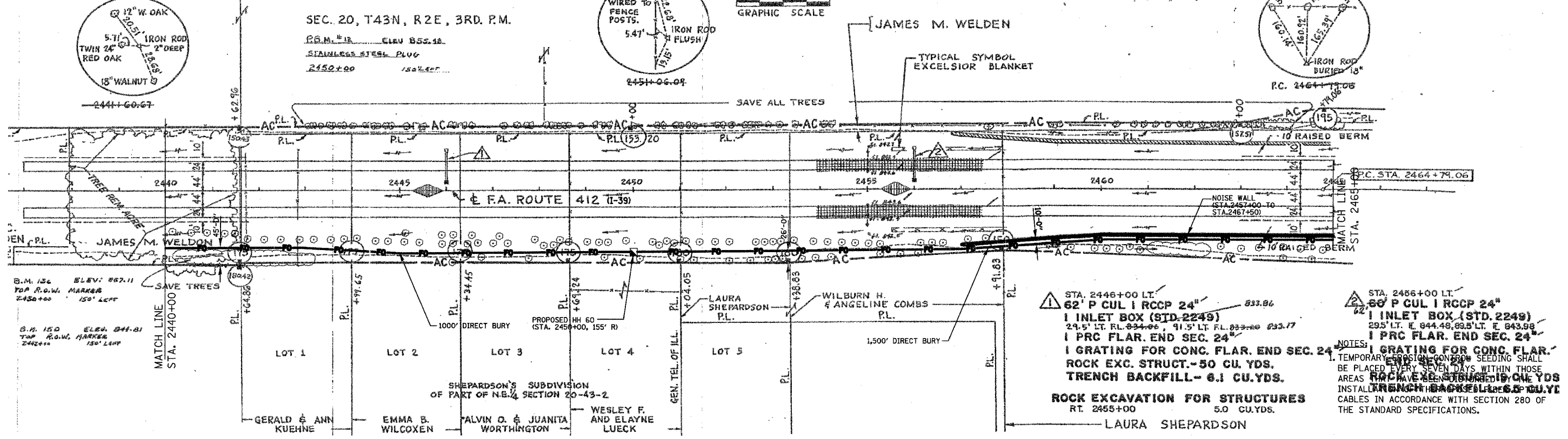
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	29

STA. 2410+00 TO STA. 2465+00
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 *OGLE / WINNEBAGO

U.S.G.S. DATUM
5TH GA (1929)



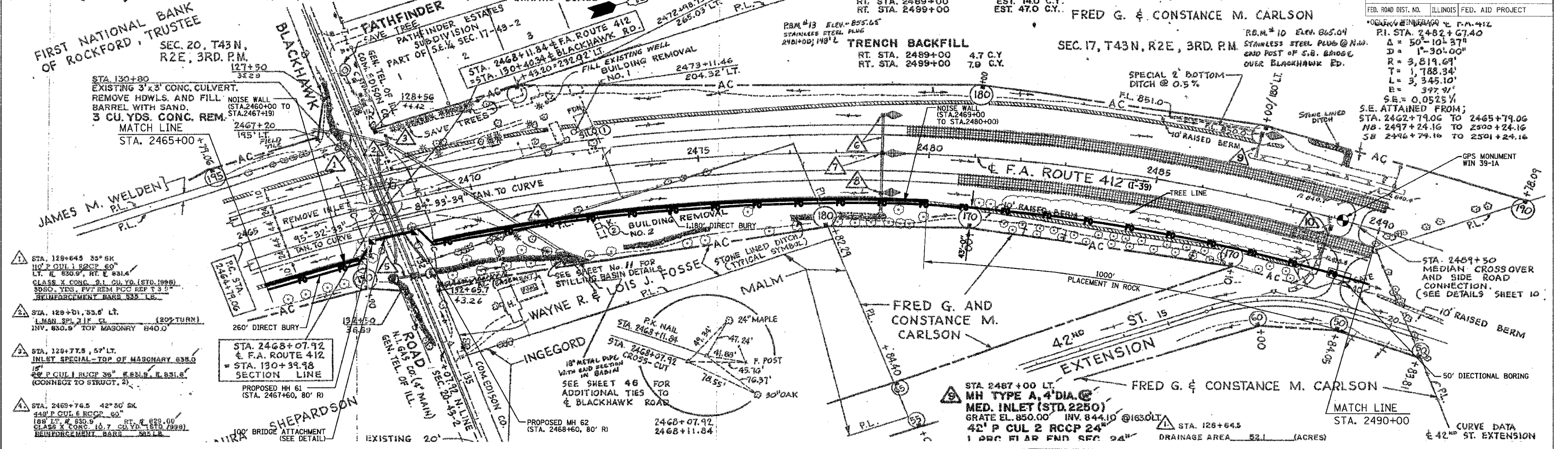
U.S. DATUM FIRST NATIONAL BANK OF ROCKFORD, TRUSTEE
GA(1929)



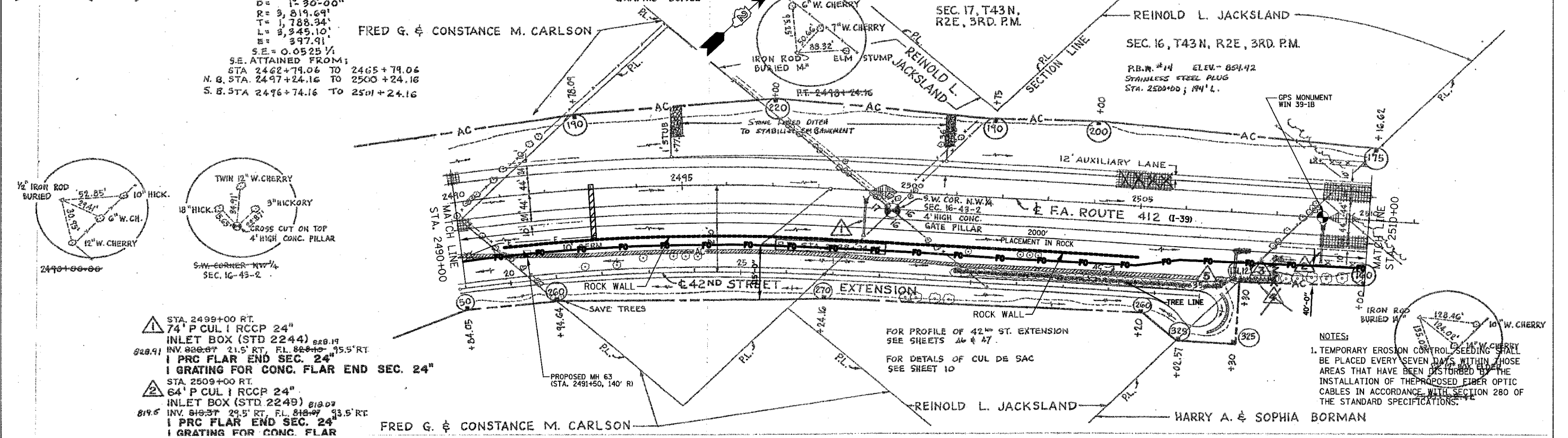
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 USER NAME = JWB

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	30

U.S.G.S. DATUM
5TH GA (1929)



U.S.G.S. DATUM
5TH GA (1929)

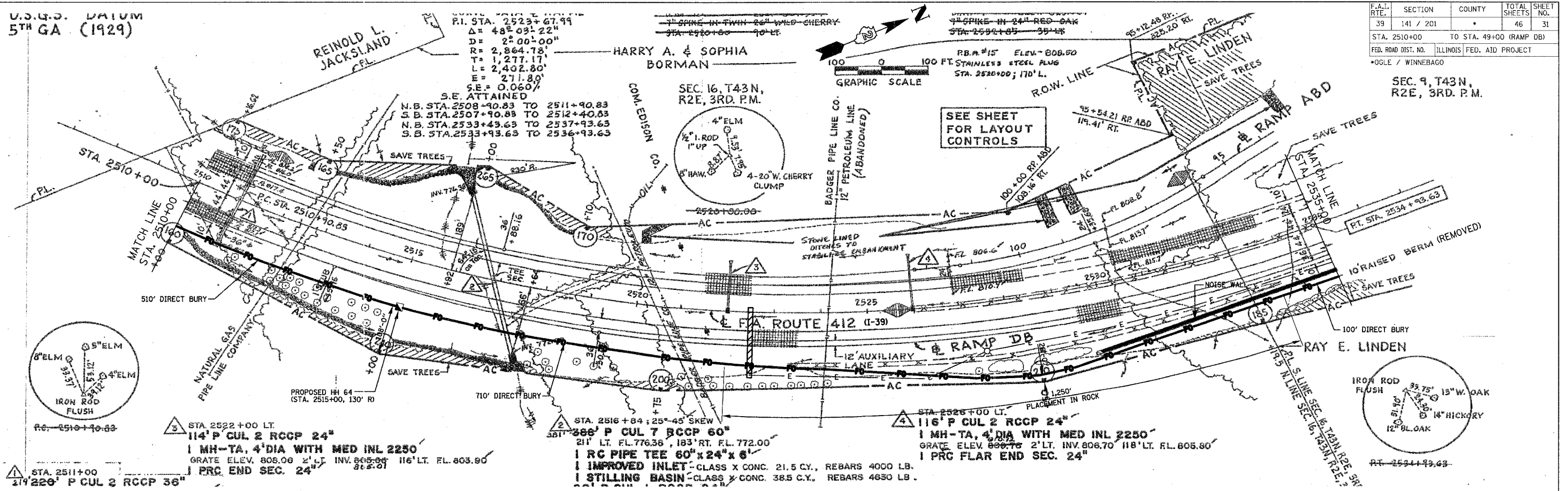


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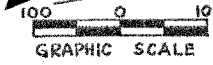
F.A.L. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	31

STA. 2510+00 TO STA. 49+00 (RAMP DB)
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 *OGLE / WINNEBAGO

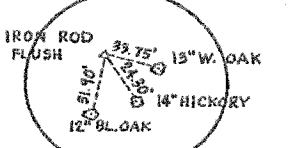
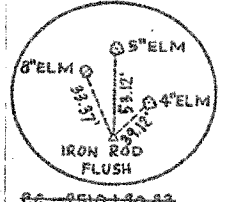
U.S.G.S. DATUM
5TH GA. (1929)



P.I. STA. 2523+67.99
 $\Delta = 48^{\circ} 03' 22''$
 $D = 2^{\circ} 00' 00''$
 $R = 2,864.78'$
 $T = 1,277.17'$
 $L = 2,402.80'$
 $E = 271.80'$
 $S.E. = 0.06\%$
 S.E. ATTAINED
 N.B. STA. 2508+40.83 TO 2511+40.83
 S.B. STA. 2507+40.83 TO 2512+40.83
 N.B. STA. 2533+43.63 TO 2537+43.63
 S.B. STA. 2533+43.63 TO 2536+43.63



SEE SHEET FOR LAYOUT CONTROLS



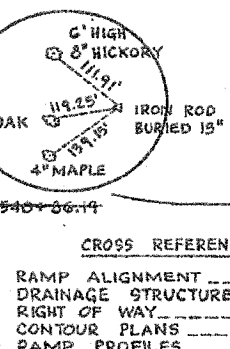
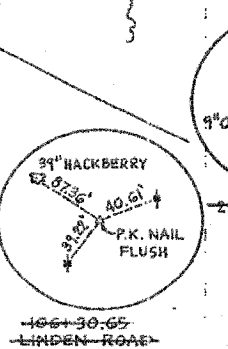
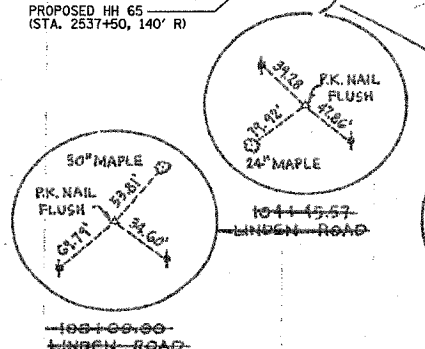
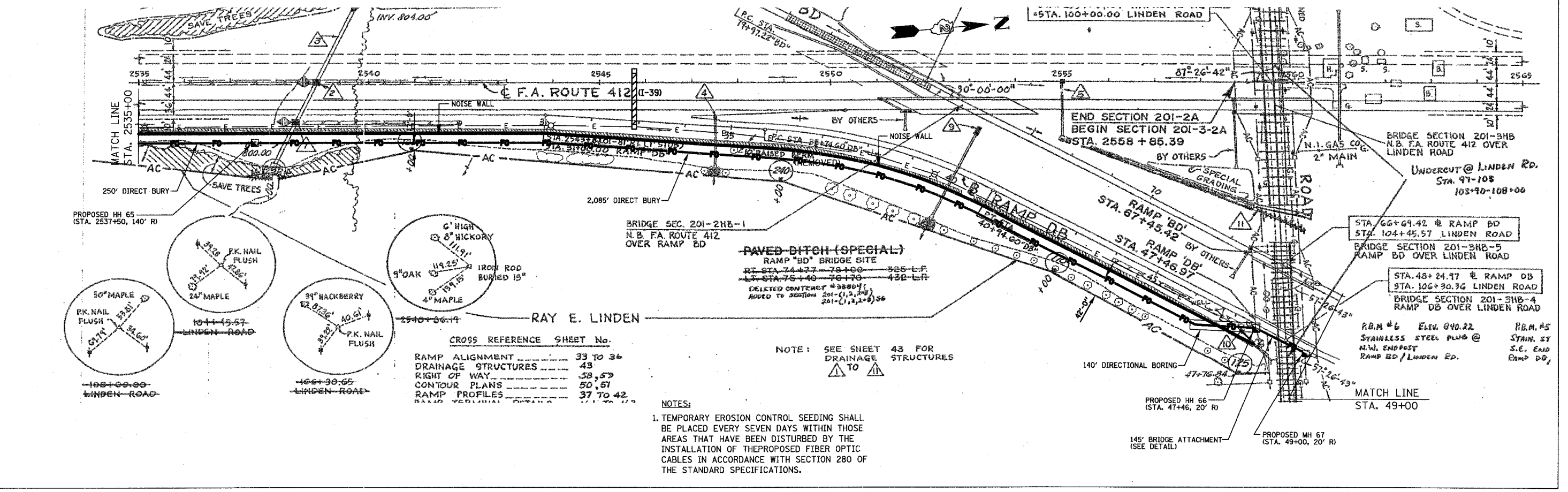
STA. 2511+00
 21\"/>

STA. 2522+00 LT.
 114\"/>

STA. 2526+00 LT.
 116\"/>

STA. 2528+00 LT.
 116\"/>

STA. 2535+00
 21\"/>



CROSS REFERENCE SHEET No.

RAMP ALIGNMENT	33 TO 36
DRAINAGE STRUCTURES	43
RIGHT OF WAY	58, 59
CONTOUR PLANS	50, 51
RAMP PROFILES	37 TO 42

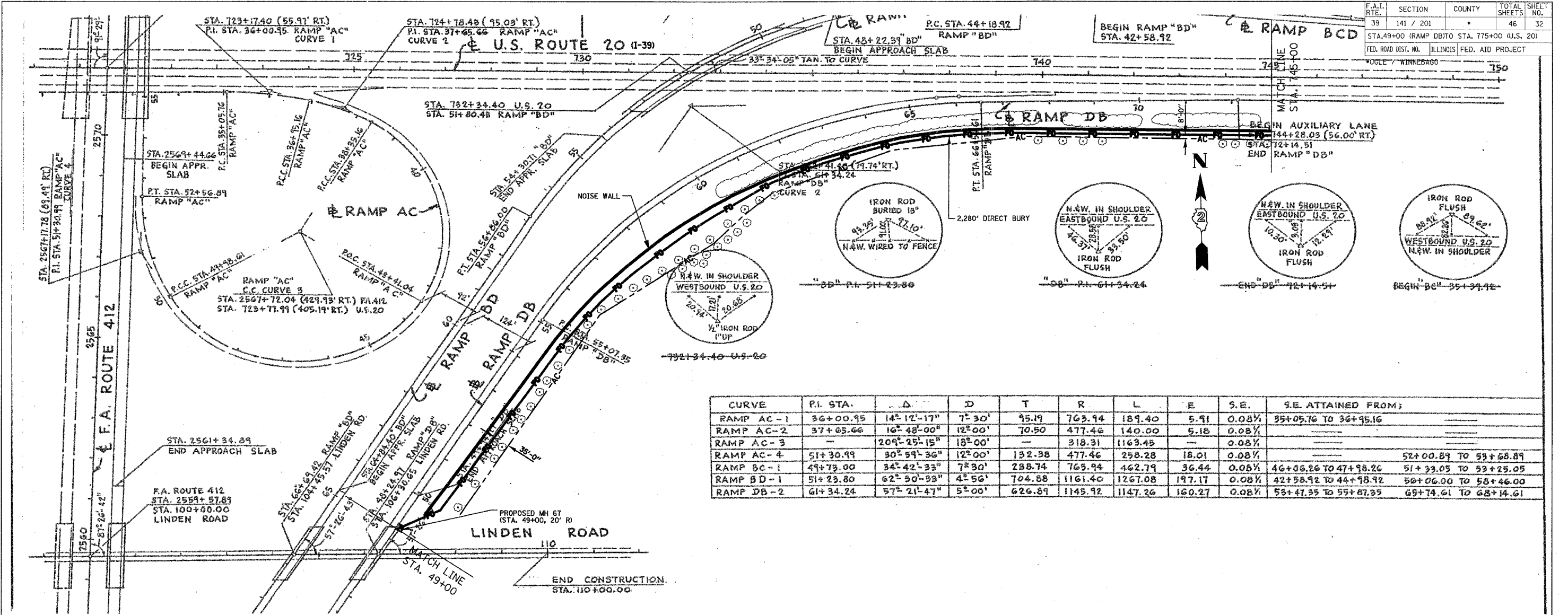
NOTE: SEE SHEET 43 FOR DRAINAGE STRUCTURES TO

NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

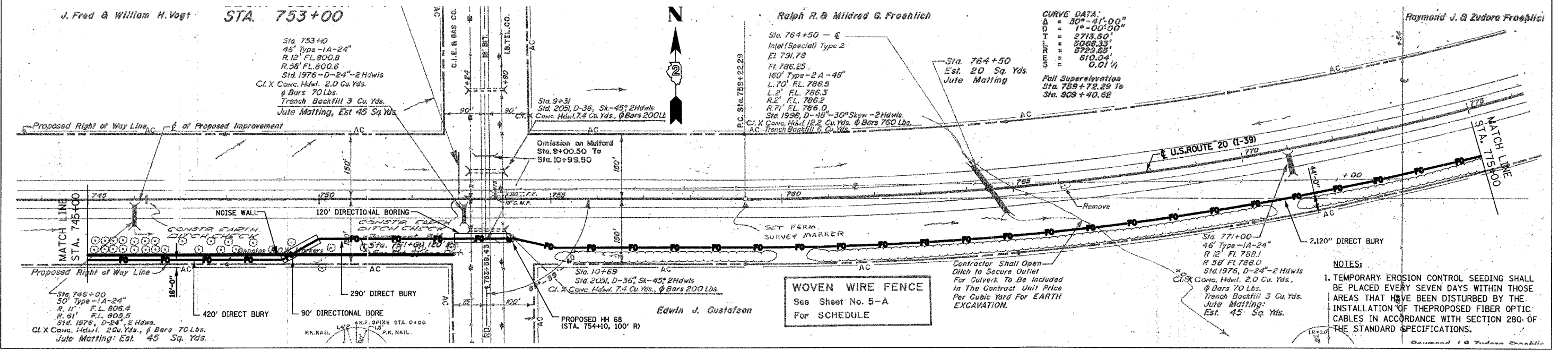
PLOT DATE = 12/14/2006
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 USER NAME = RUSBERG

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	32

STA. 49+00 (RAMP DB) TO STA. 775+00 (U.S. 20)
 FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT
 *OGLE / WINNEBAGO



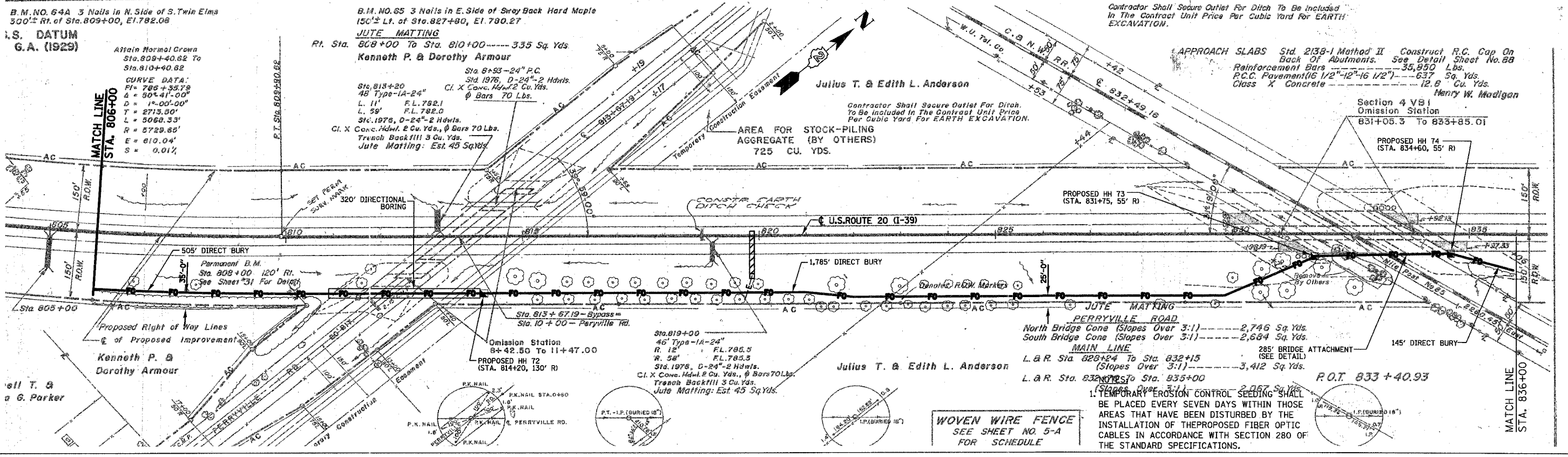
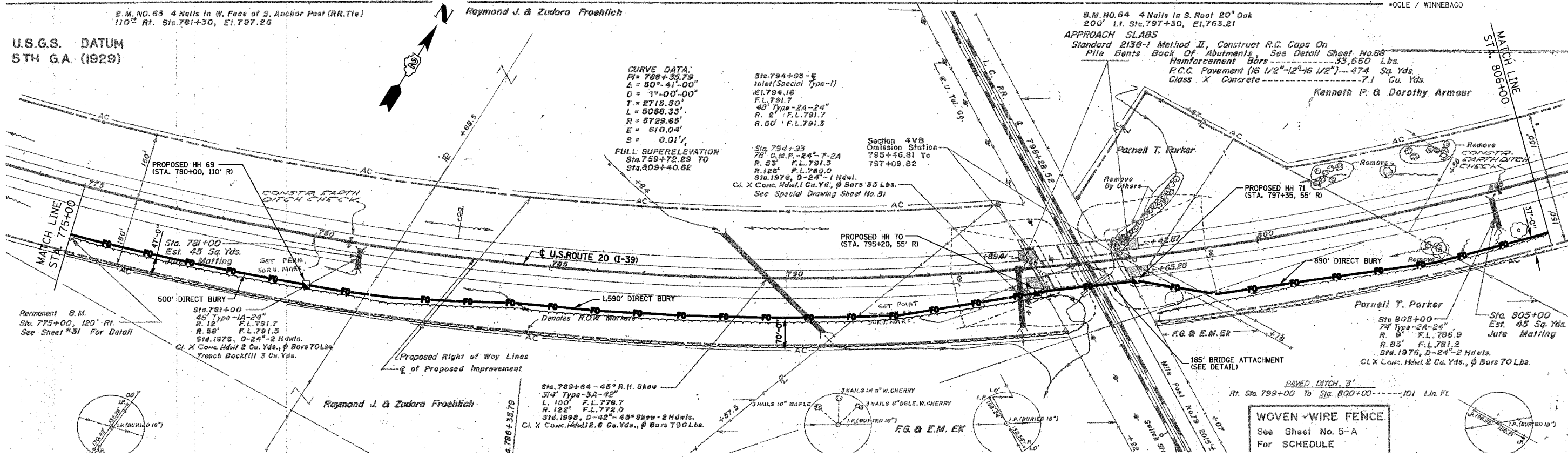
CURVE	P.I. STA.	Δ	D	T	R	L	E	S.E.	S.E. ATTAINED FROM:
RAMP AC-1	36+00.95	14° 12'-17"	7° 30'	95.19	763.94	189.40	5.91	0.08%	35+05.76 TO 36+95.16
RAMP AC-2	37+65.66	16° 48'-00"	12° 00'	70.50	477.46	140.00	5.18	0.08%	
RAMP AC-3		20° 25'-15"	18° 00'		318.31	1163.45		0.08%	
RAMP AC-4	51+30.99	30° 59'-36"	12° 00'	132.38	477.46	258.28	15.01	0.08%	52+00.89 TO 53+68.89
RAMP BD-1	49+73.00	34° 42'-33"	7° 30'	238.74	763.94	462.79	36.44	0.08%	46+06.26 TO 47+98.26 51+33.05 TO 53+23.05
RAMP BD-2	51+23.80	62° 30'-33"	4° 56'	704.88	1161.40	1267.08	197.17	0.08%	42+58.92 TO 44+98.92 50+06.00 TO 58+46.00
RAMP DB-1	61+34.24	57° 21'-47"	5° 00'	626.89	1145.92	1147.26	160.27	0.08%	53+47.95 TO 55+87.95 65+74.61 TO 68+14.61



PLOT DATE = 12/14/2006
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 USER NAME = AUBURN

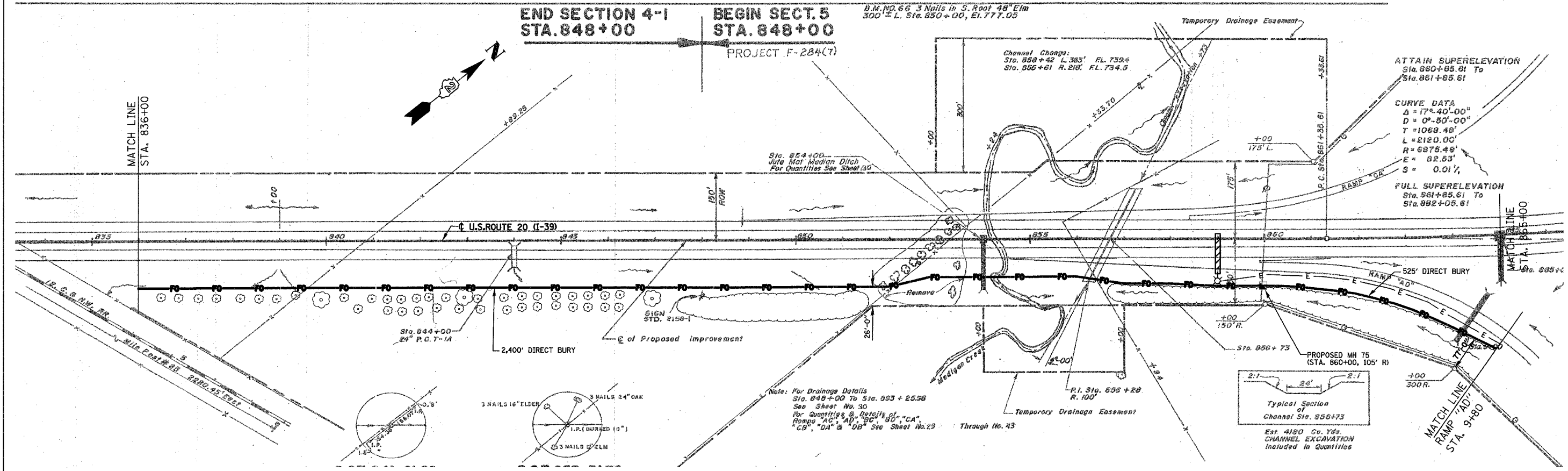
NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS NO.	SHEET NO.
39	141 / 201		46	33
STA. 775+00 TO STA. 836+00				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*OCLE / WINNEBAGO				



PLOT DATE = 12/14/2006
 PLOT SCALE = 1"=40'
 PLOT NAME = 64C83-141-201-33
 USER NAME = MURPHY

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	34
STA. 836+00		TO STA. 9+80 (RAMP AD)		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*OGLE / WINNEBAGO				

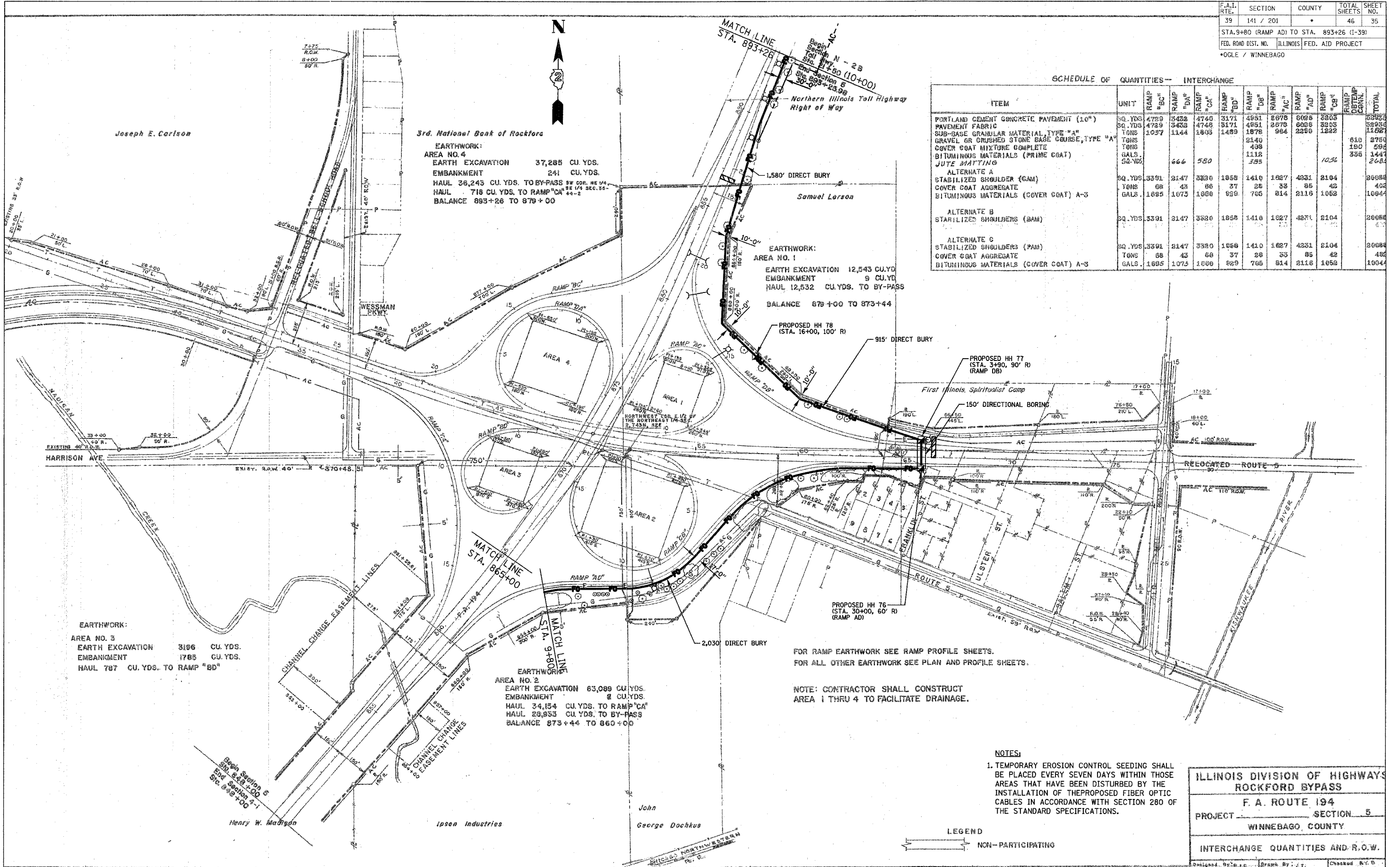


NOTES:

- TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

PLOT DATE = 12/14/2006
 PLOT SCALE = 1"=50'
 USER NAME = #USER#

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	35
STA. 9+80 (RAMP AD) TO STA. 893+26 (I-39)				
FED. ROAD DIST. NO. ILLINOIS FED. AID PROJECT				
*OGLE / WINNEBAGO				



SCHEDULE OF QUANTITIES - INTERCHANGE

ITEM	UNIT	INTERCHANGE												TOTAL	
		RAMP "BC"	RAMP "DA"	RAMP "CA"	RAMP "BD"	RAMP "DB"	RAMP "AC"	RAMP "AD"	RAMP "CB"	RAMP "DB"	RAMP "CB"	RAMP "DB"	RAMP "CB"		
PORTLAND CEMENT CONCRETE PAVEMENT (10")	SQ. YDS.	4729	3432	4740	3171	4951	2078	6028	2853						33993
PAVEMENT FABRIC	SQ. YDS.	4729	3432	4740	3171	4951	2078	6028	2853						33993
SUB-BASE GRANULAR MATERIAL, TYPE "A"	TONS	1097	1144	1803	1489	1878	964	2280	1322						11227
GRAVEL OR CRUSHED STONE BASE COURSE, TYPE "A"	TONS					2140									612
COVER COAT MIXTURE COMPLETE	TONS					498									190
BITUMINOUS MATERIALS (PRIME COAT)	GALS.					1112									482
JUTE MATTING	SQ. YDS.		664	580		385						1036			2482
ALTERNATE A															
STABILIZED SHOULDER (SAM)	SQ. YDS.	3391	2147	3320	1858	1410	1627	4831	2104						20088
COVER COAT AGGREGATE	TONS	68	43	66	37	28	33	85	42						482
BITUMINOUS MATERIALS (COVER COAT) A-3	GALS.	1695	1073	1660	829	705	814	2116	1052						10044
ALTERNATE B															
STABILIZED SHOULDER (SAM)	SQ. YDS.	3391	2147	3320	1858	1410	1627	4831	2104						20088
COVER COAT AGGREGATE	TONS	68	43	66	37	28	33	85	42						482
BITUMINOUS MATERIALS (COVER COAT) A-3	GALS.	1695	1073	1660	829	705	814	2116	1052						10044

EARTHWORK:
AREA NO. 4
 EARTH EXCAVATION 37,285 CU. YDS.
 EMBANKMENT 241 CU. YDS.
 HAUL 36,243 CU. YDS. TO BY-PASS SW COR. NE 1/4 SE 1/4 SEC. 35-
 HAUL 718 CU. YDS. TO RAMP "CA"
 BALANCE 893+26 TO 879+00

EARTHWORK:
AREA NO. 1
 EARTH EXCAVATION 12,543 CU. YD.
 EMBANKMENT 9 CU. YD.
 HAUL 12,532 CU. YDS. TO BY-PASS
 BALANCE 879+00 TO 873+44

EARTHWORK:
AREA NO. 3
 EARTH EXCAVATION 3196 CU. YDS.
 EMBANKMENT 1785 CU. YDS.
 HAUL 787 CU. YDS. TO RAMP "BD"

EARTHWORK:
AREA NO. 2
 EARTH EXCAVATION 63,089 CU. YDS.
 EMBANKMENT 2 CU. YDS.
 HAUL 34,154 CU. YDS. TO RAMP "CA"
 HAUL 28,933 CU. YDS. TO BY-PASS
 BALANCE 873+44 TO 860+00

FOR RAMP EARTHWORK SEE RAMP PROFILE SHEETS.
 FOR ALL OTHER EARTHWORK SEE PLAN AND PROFILE SHEETS.

NOTE: CONTRACTOR SHALL CONSTRUCT AREA 1 THRU 4 TO FACILITATE DRAINAGE.

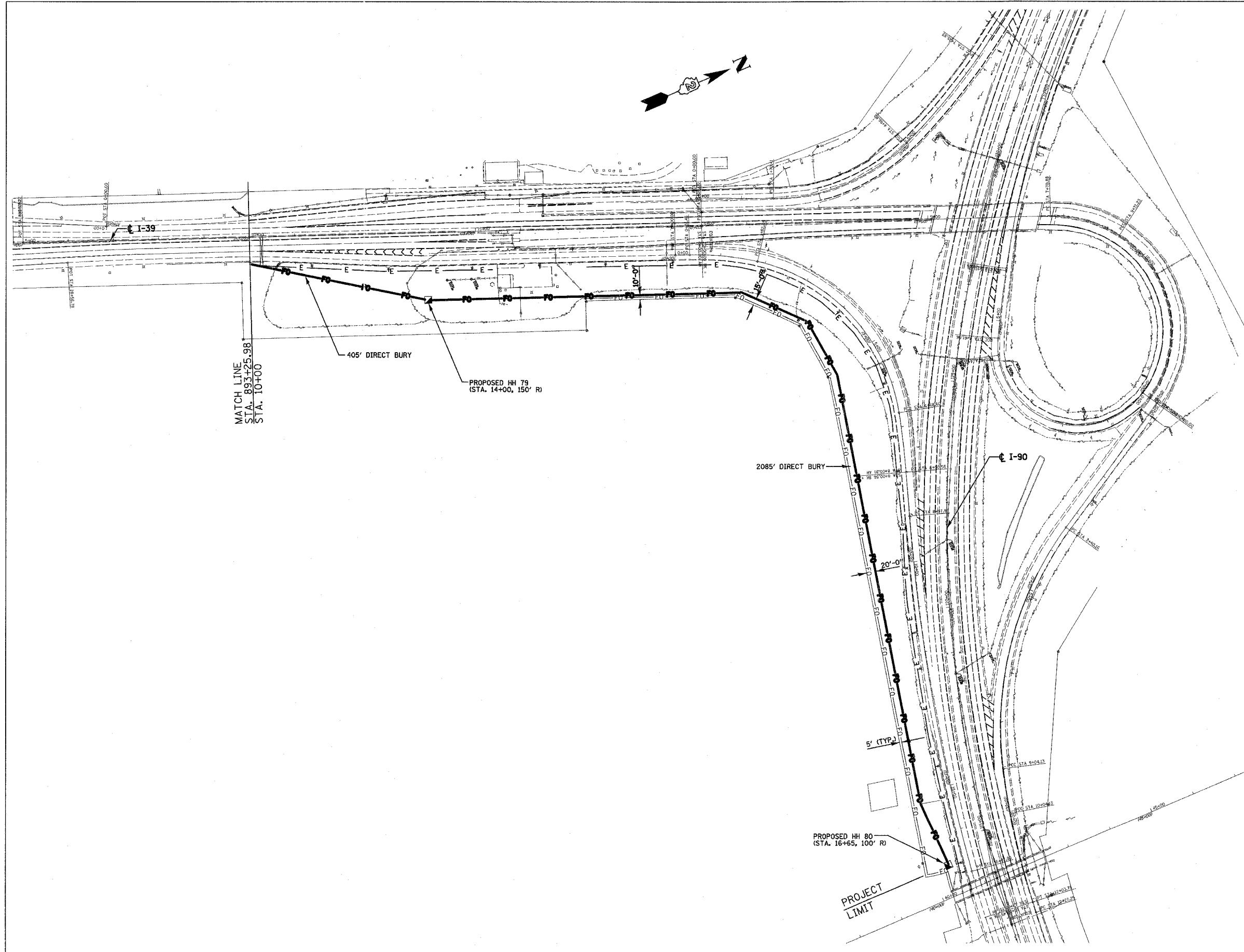
- NOTES:**
- TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

LEGEND
 [Symbol] NON-PARTICIPATING

ILLINOIS DIVISION OF HIGHWAYS
ROCKFORD BYPASS
 F. A. ROUTE 194
 PROJECT _____ SECTION 5
 WINNEBAGO, COUNTY
 INTERCHANGE QUANTITIES AND R.O.W.

PLOT DATE = 12/14/2006
 FILE NAME = G:\ENGIN\68-6799-13\DDT\C:\AS\1\B10255_F01_P1_25.dgn
 USER NAME = JUSER8

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	36
STA. 893+26 (I-39) TO STA. 114+50 (I-90)				
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				

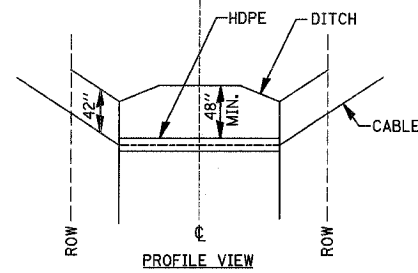
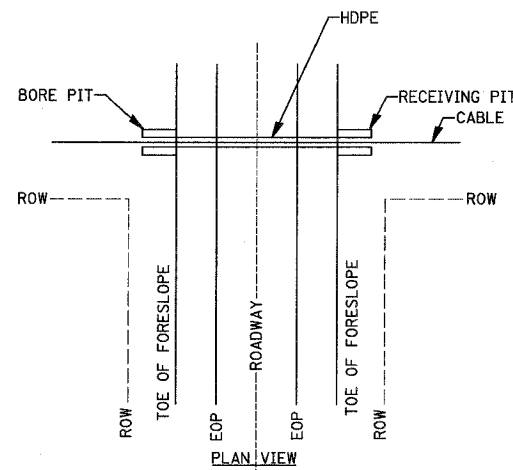


NOTES:
 1. TEMPORARY EROSION CONTROL SEEDING SHALL BE PLACED EVERY SEVEN DAYS WITHIN THOSE AREAS THAT HAVE BEEN DISTURBED BY THE INSTALLATION OF THE PROPOSED FIBER OPTIC CABLES IN ACCORDANCE WITH SECTION 280 OF THE STANDARD SPECIFICATIONS.

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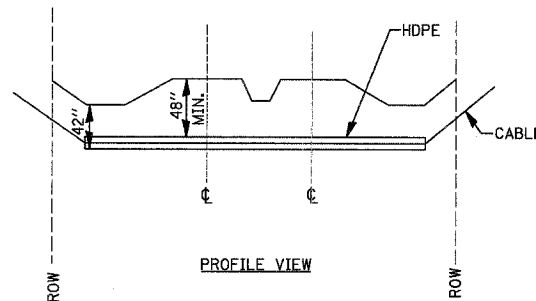
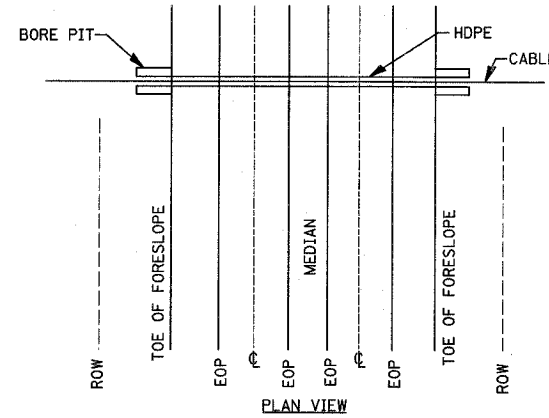
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	37
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*OGLE / WINNEBAGO				

TYPICAL PRIMARY STATE HIGHWAY TOLLWAY OR RAMP



1. HDPE CONDUITS SHALL EXTEND FROM TOE OF SLOPE TO TOE OF SLOPE
2. BORE AND RECEIVING PITS SHALL BE AT A DISTANCE OF TEN FEET PLUS THE DEPTH OF THE PIT WITHOUT SHORING ON CONVENTIONAL HIGHWAYS, IF SHORING IS USED, THE PIT SHALL BE LOCATED A MINIMUM OF TEN FEET FROM THE EDGE OF THE TRAVELED WAY (PAVED SHOULDER) PAVEMENT.
3. CONDUITS MUST BE A MINIMUM OF 42" BELOW THE DESIGNED DITCH GRADES.
4. ENDS OF ALL CONDUITS MUST BE FOAM PLUGGED. (ARNCO HYDRA-SEAL S-60 OR AUTHORITY APPROVED EQUAL)
5. ALL OPERATIONS MUST MEET REGULATING AGENCY REQUIREMENTS.

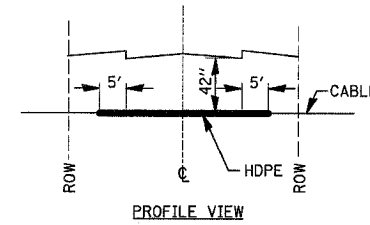
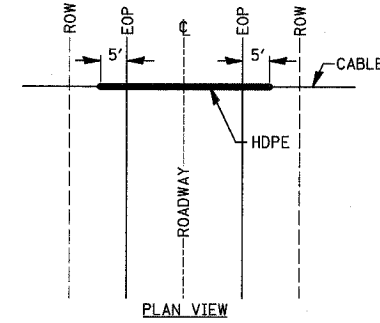
TYPICAL PRIMARY STATE HIGHWAY OR TOLLWAY



1. HDPE CONDUITS SHALL EXTEND FROM TOE OF BACKSLOPE TO TOE OF BACKSLOPE UNLESS OTHERWISE APPROVED.
2. BORE AND RECEIVING PITS SHALL BE A MINIMUM OF 30 FEET FROM THE EDGE OF PAVEMENT ON FULLY ACCESS-CONTROLLED HIGHWAYS UNLESS OTHERWISE APPROVED.
3. CONDUITS MUST BE A MINIMUM OF 42" BELOW THE DESIGNED DITCH GRADES ON EACH SIDE OF HIGHWAY.
4. ENDS OF ALL CONDUITS MUST BE FOAM PLUGGED. (ARNCO HYDRA-SEAL S-60 OR IDOT APPROVED EQUAL)
5. ALL OPERATIONS MUST MEET REGULATING AGENCY REQUIREMENTS.
6. PITS FOR BORING ARE NOT PERMITTED IN THE HIGHWAY MEDIAN.

TYPICAL ROAD CROSSING

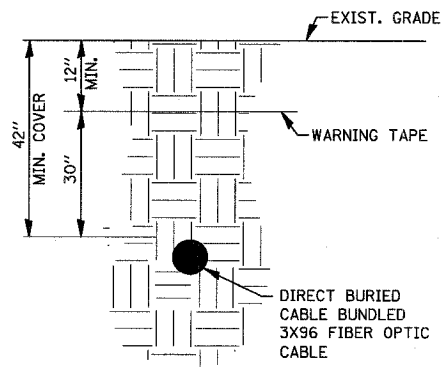
TYPICAL BORE OR JACK



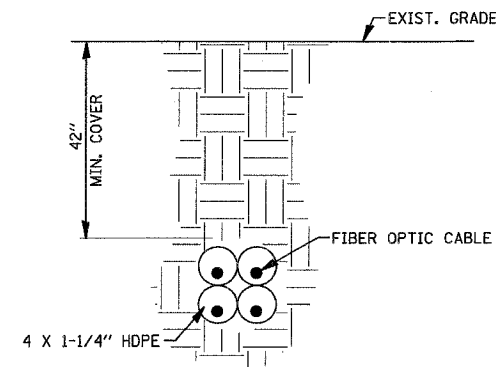
1. CONDUITS MUST EXTEND 5FT. EACH SIDE OF EOP / BACK OF CURB
2. BORE AND RECEIVING PITS SHALL NOT BE EXCAVATED WITHIN 5FT OF EOP / BACK OF CURB.
3. ENDS OF ALL CONDUITS MUST BE FOAM PLUGGED (ARNCO HYDRA-SEAL S-60 OR IDOT APPROVED EQUAL)
4. CONDUITS MUST BE A MINIMUM OF 42" BELOW E.O.P.
5. ALL OPERATIONS MUST MEET REGULATING AGENCY REQUIREMENTS.

TYPICAL BORES

DIRECT BURIED CABLE



BORED CONDUIT WITH FIBER OPTIC CABLE AND MULTIPLE INNERDUCTS



TYPES OF BURY CABLE AND INNERDUCT

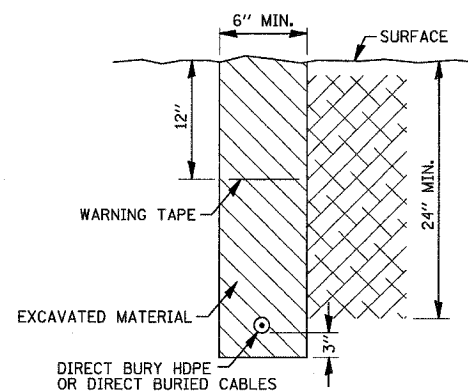
LOCATION OF CROSSING UTILITIES FOR REFERENCE ONLY, PLEASE CALL ALL APPLICABLE UTILITY LOCATORS FOR EXACT LOCATION PRIOR TO DIGGING OR TRENCHING.

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 USER NAME = #USER#

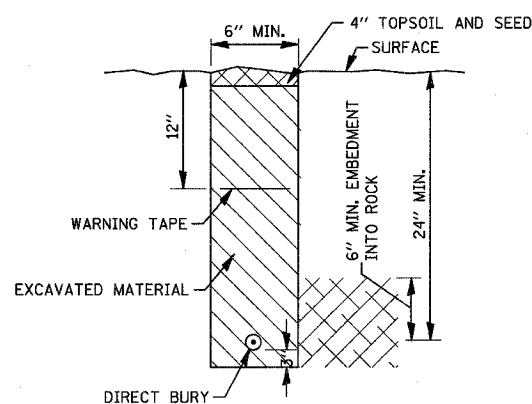
- NOTES
1. PLACEMENT OF WARNING TAPE SHALL BE INCLUDED WITH INSTALLATION OF FIBER OPTIC CABLES AND CONDUITS AT NO ADDITIONAL COST

F.A.T. R.T.E.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201		46	38
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				

SURFACE ROCK



BELOW SURFACE ROCK



1. MINIMUM COVER REQUIREMENT IN ROCK IS 24" OF COVER FROM THE TOP OF THE CABLE OR DUCT.
2. COMPACT BACK FILL MATERIAL TO THE SATISFACTION OF THE ENGINEER.
3. NOTIFY IDOT IF BLASTING IS REQUIRED.
4. PLACEMENT OF WARNING TAPE SHALL BE INCLUDED WITH INSTALLATION OF FIBER OPTIC CABLES AND CONDUITS AT NO ADDITIONAL COST.

TYPICAL ROCK SAW PROFILE

FIG. 1

PLOWING WITH NO DISTURBANCE OF DRAINAGE DITCH BANKS

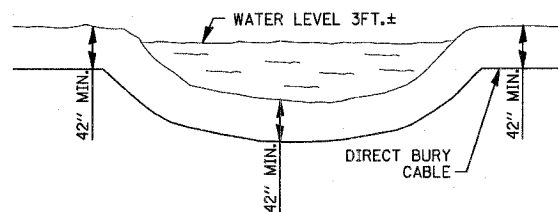


FIG. 2

REMOVE AND REPLACE BANKS IF NEEDED TO ALLOW PLOWING OF CABLE WITHOUT ADVERSE ANGLE CHANGE

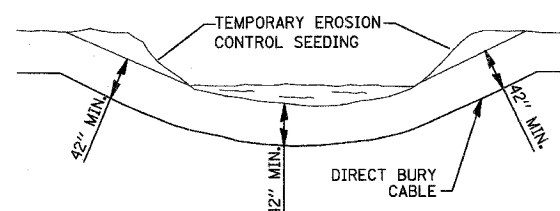


FIG. 3

SAME AS FIGURE #2 BUT DRAINAGE DITCH BANKS ARE MORE VERTICAL AND MAY REQUIRE TEMPORARY EROSION CONTROL SEEDING.

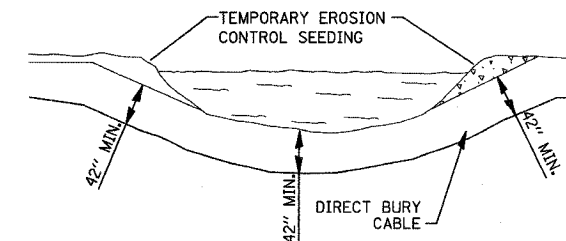
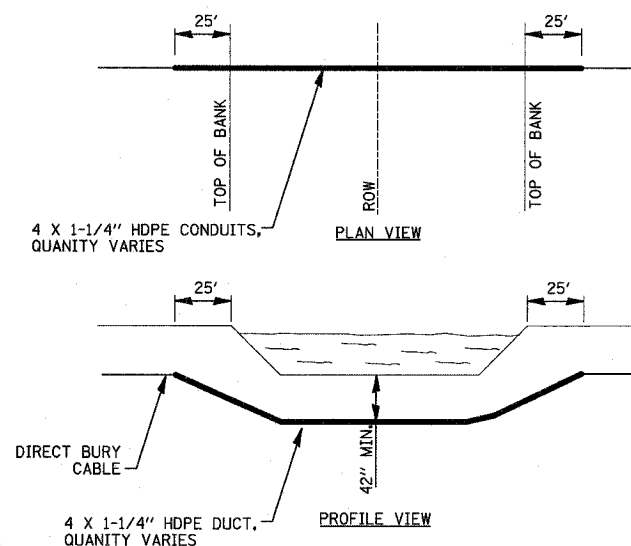


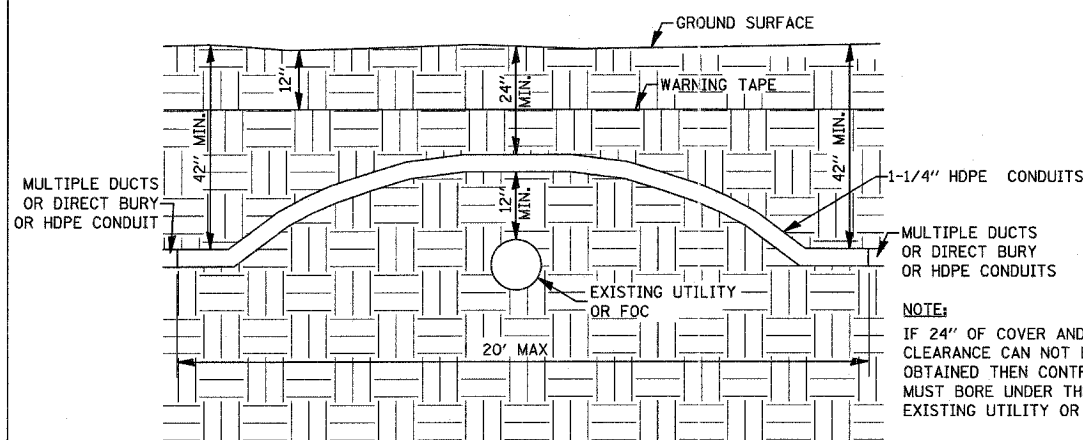
FIG. 4

TYPICAL DIRECTIONAL BORE



1. THE CONSTRUCTION OF THE CABLE MUST NOT RESULT IN ANY INCREASE IN EXISTING GROUND ELEVATIONS.
2. NORMAL CONSTRUCTION TECHNIQUE IS TO PLOW THE CABLE AT A MINIMUM DEPTH OF 42 INCHES.
3. TBON = FIBER OPTIC CABLE
4. BORE PITS SHALL NOT BE EXCAVATED CLOSER THEN 25 FEET FROM THE TOP OF THE DITCH BANKS.
5. CONDUITS MUST BE A MINIMUM OF 42" BELOW LOWEST POINT OF THE DRAINAGE DITCH.
6. CONDUIT ENDS MUST BE PLUGGED. (ARNCO HYDRA-SEAL S-60 OR IDOT APPROVED EQUAL)
7. ALL OPERATIONS MUST MEET REGULATING REQUIREMENTS.
8. RESTORATION SHALL CONFORM TO THE REQUIREMENTS OF GENERAL NOTE 11 OF THE "GENERAL CONSTRUCTION NOTES".
9. CONSTRUCTION SHALL NOT DISTURB OR RESTRICT STREAM OR DITCH FLOW AS PER IDNR PERMITS.

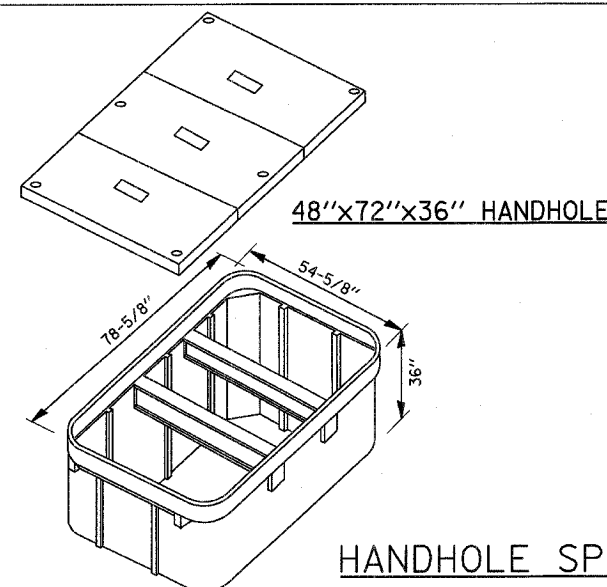
TYPICAL DRAINAGE DITCH CROSSING



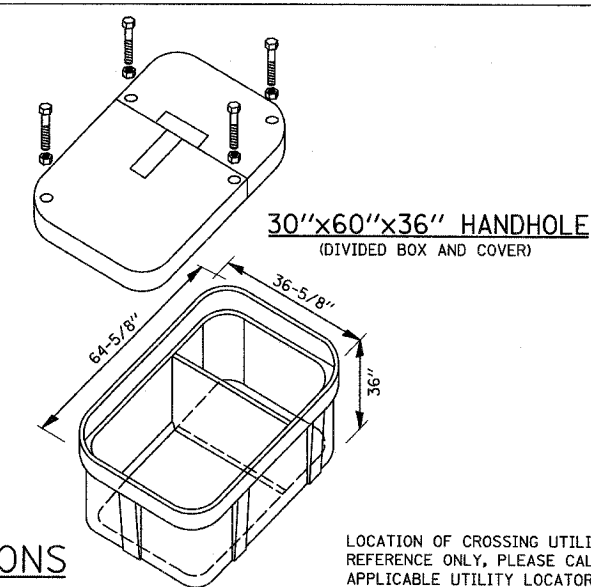
UTILITY AVOIDANCE DETAIL

NOTE:
IF 24" OF COVER AND 12" CLEARANCE CAN NOT BE OBTAINED THEN CONTRACTOR MUST BORE UNDER THE EXISTING UTILITY OR FOC.

IF CONTRACTOR BORES UNDER EXISTING UTILITY OR FOC 48" MIN. SEPARATION MUST BE MAINTAINED. IF CROSSING WITH OPEN EXCAVATION 12" SEPARATION.



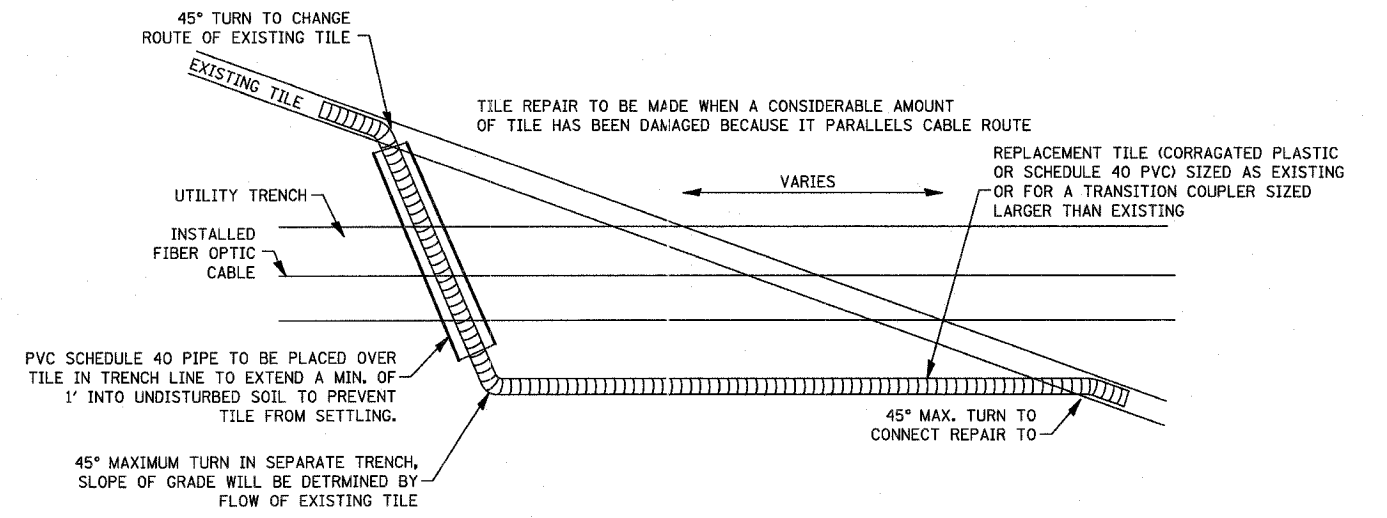
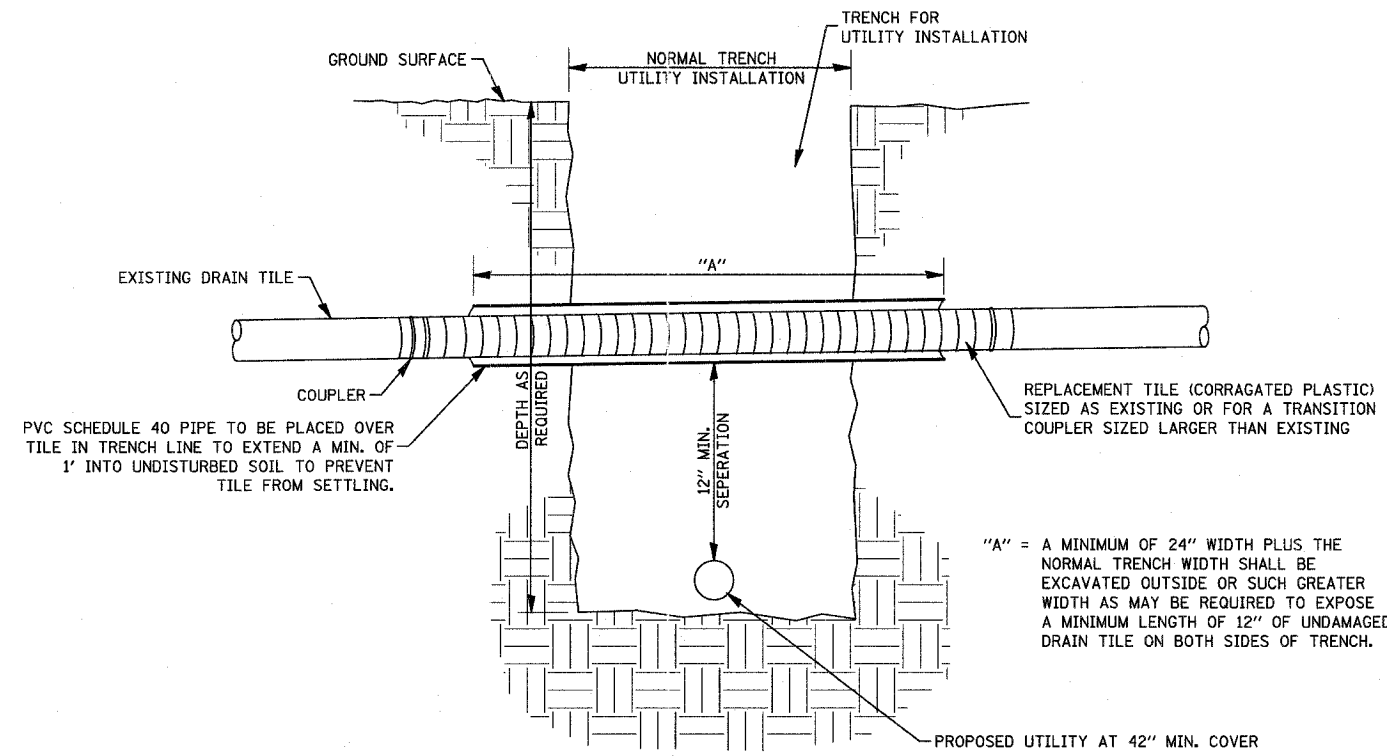
HANDHOLE SPECIFICATIONS



LOCATION OF CROSSING UTILITIES FOR REFERENCE ONLY, PLEASE CALL ALL APPLICABLE UTILITY LOCATORS FOR EXACT LOCATION PRIOR TO DIGGING OR TRENCHING.

DETAILS

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	39
STA. 141+00		TO STA. 141+00		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*OGLE / WINNEBAGO				



NOTES

CONTRACTOR SHALL LOG ALL BREAKS & SUBMIT TO IDOT.

REPLACEMENT OF DRAINAGE TILE SHALL BE ACCOMPLISHED SO AS TO CAUSE THE MINIMUM OF DISTURBANCE TO EXISTING FIELD TILE. THE REPAIRED DRAINAGE TILE SHALL BE LEFT IN A FUNCTIONAL CONDITION WITH SPECIAL EMPHASIS PLACED ON MAINTAINING EXISTING FLOW LINE ELEVATIONS.

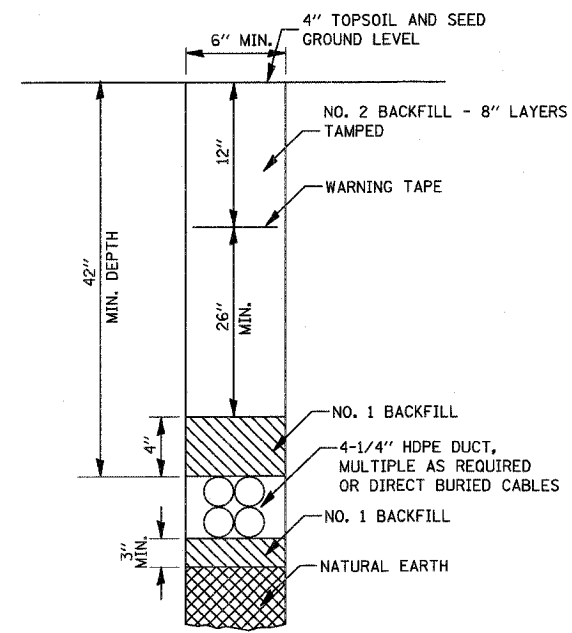
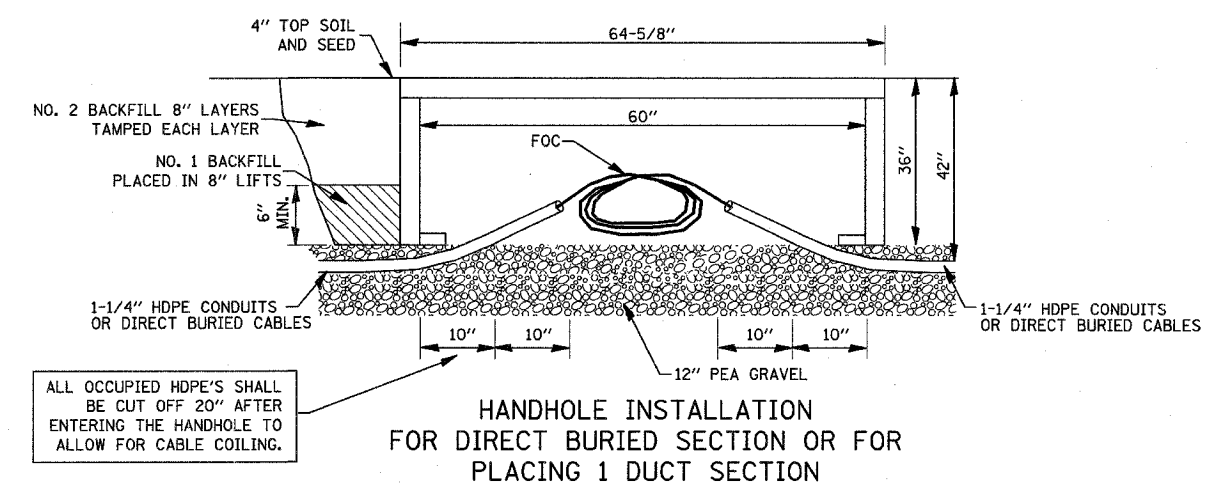
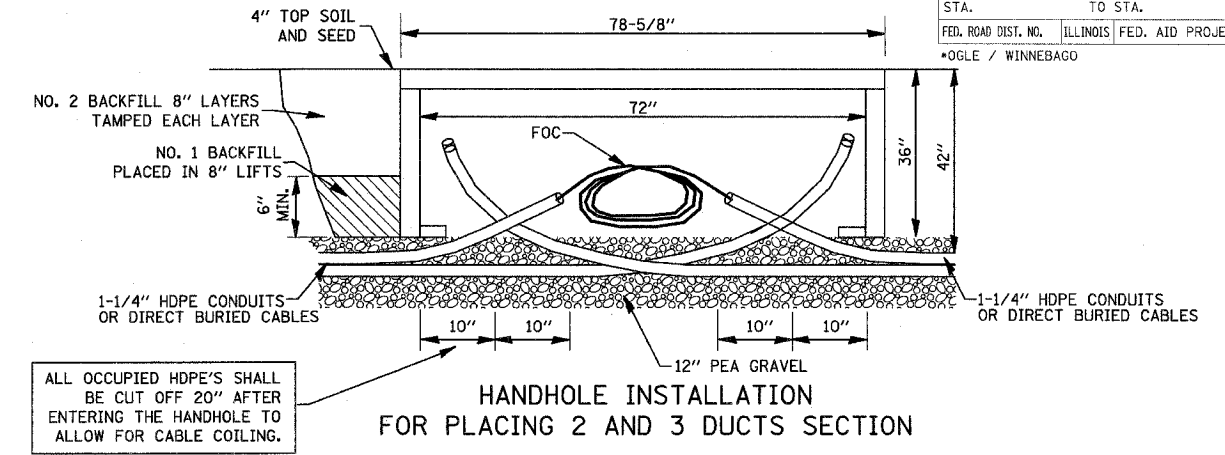
REPAIRED WITH CORRAGATED PLASTIC DRAIN TILE SIZED TO MATCH THE EXISTING, USING A CONNECTING DEVICE OF A FERNOCO PLAIN AND FLEXIBLE PIPE COUPLING OR EQUAL. SCHEDULE 40 PVC PIPE SHALL BE PLACED OVER REPAIRED TILE AND EXTEND A MIN. OF 1' INTO UNDISTURBED SOIL. (REPLACEMENT TILE CAN BE SIZED LARGER THAN EXISTING IF TRANSITION COUPLER IS USED FOR PROPER CONNECTION.)

WHEN REPAIRING TILE IN SOIL WITH A HIGH CONTENT OF SAND WHERE FILTER MATERIAL HAS BEEN PLACED OVER TILE TO PREVENT SAND FROM ENTERING TILE THE FILTER MATERIAL MUST BE REPLACED AS WELL OR WHERE TILE REPAIR IS MADE WITH PLASTIC TILE TO REPLACE CLAY TILE FOR A CONSIDERABLE DISTANCE IN SANDY SOIL THE FILTER MATERIAL WILL BE PLACED TO PREVENT SAND FROM ENTERING TILE.

TILE LINES DISTURBED (WITHIN THE IDOT ROW) SHALL BE REPLACED AS FOLLOWS:

- ① CONCRETE COLLAR TO BE PLACED AROUND JOINT WHERE EXISTING TILE LINE AND CORRUGATED ALUMINIZED METAL PIPE CONNECT.
- ② MINIMUM LENGTH OF CORRUGATED METAL PIPE SHALL BE 4 FEET. MINIMUM LENGTH OF 2 FEET ON EACH SIDE OF TILE LINE BREAK LOCATION.
- ③ TRENCH SHALL BE BACKFILLED IN 8 INCHES LOOSE LIFTS, EACH COMPACTED TO THE SATISFACTION OF THE ENGINEER.
 - A. BACKFILL AND COMPACT AREA AROUND DRAIN TILE TO BE COMPLETED BY HAND UNTIL NEW TILE IS COMPLETELY COVERED. REMAINDER OF THE TRENCH SHALL BE BACKFILLED BY ACCEPTABLE METHODS.
- ④ MAINTAIN DRAINAGE OF TILE DURING REROUTING.
- ⑤ THIS TYPE OF REPAIR SHALL BE LIMITED TO DRAIN TILES WITH DIAMETER OF LESS THAN 6". DRAIN TILES WITH A DIAMETER OF 6" AND LARGER SHOULD BE REPAIRED IN KIND.

DRAINAGE LINE REPAIR



NOTES

1. NO. 2 BACKFILL WILL BE EARTH WHICH IS FREE FROM DEBRIS, CINDERS AND ROCKS MEASURING 2 INCHES, OR GREATER ACROSS THEIR LARGEST DIMENSION.
2. A WATERPROOF SEALING SIMPLEX DUCT PLUG WILL BE AROUND THE FIBER OPTIC CABLE TO SEAL THE OPENING IN THE CONDUIT. FOR CABLES 188 FIBER AND LARGER, USE ARNCO HYDRA-SEAL S-60 OR APPROVED EQUAL.
3. A WATER PROOF SEALING PLUG WILL BE INSTALLED IN ALL VACANT CONDUITS.
4. A MINIMUM OF 6" OF NO.1 BACKFILL SHALL COVER THE CONDUIT IN THE AREAS OF HANDHOLE EXCAVATION. THIS COVER WILL TRANSITION TO 4" AROUND TRENCHING EXCAVATION. MATERIAL AND COMPACTION SHALL BE TO THE SATISFACTION OF THE ENGINEER.
5. BACKFILL SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.
6. NO.1 BACKFILL WILL BE CLEAN NATURAL SAND WHICH IS FREE OF DEBRIS AND HAS BEEN SIEVED THROUGH A NO. 16 SIEVE, PULVERIZED CLAY WILL NOT BE USED.
7. THE ENDS OF OCCUPIED CONDUITS SHALL BE SEALED WITH SPLIT CONDUIT PLUGS. THE ENDS OF EMPTY CONDUITS SHALL BE SEALED WITH CONDUIT PLUGS.

TRENCHING DETAIL AND HANDHOLE INSTALLATION

LOCATION OF CROSSING UTILITIES FOR REFERENCE ONLY, PLEASE CALL ALL APPLICABLE UTILITY LOCATORS FOR EXACT LOCATION PRIOR TO DIGGING OR TRENCHING.

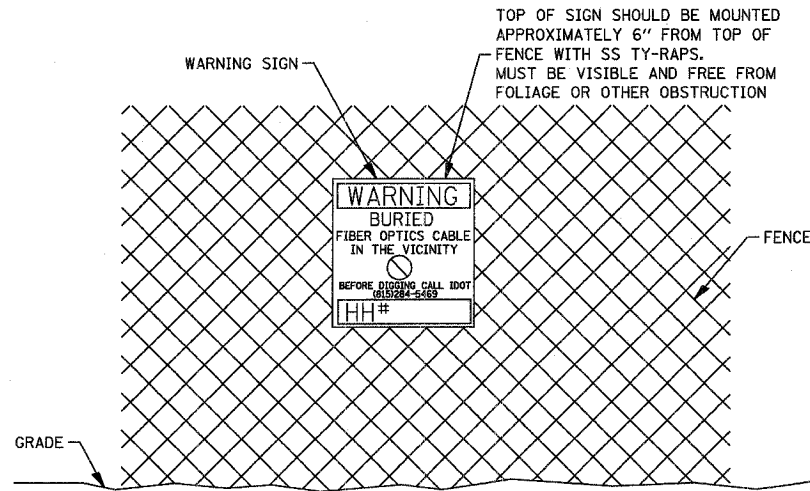
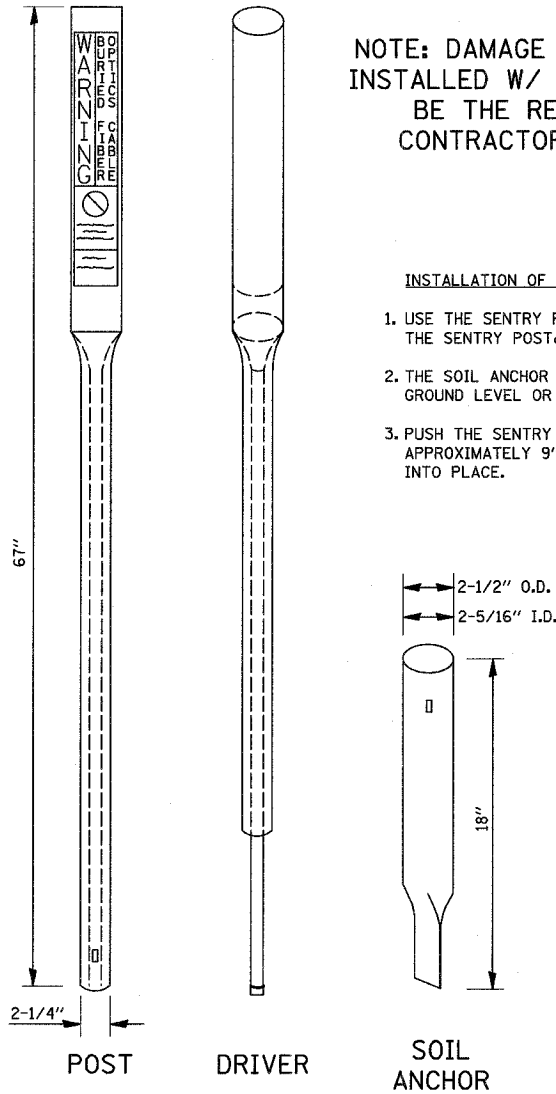
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F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	40
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				

NOTE: DAMAGE TO SOIL ANCHORS NOT INSTALLED W/ APPROVED DRIVER WILL BE THE RESPONSIBILITY OF CONTRACTOR FOR REPLACEMENT

INSTALLATION OF WARNING POST

1. USE THE SENTRY POST• DRIVER TO RAPIDLY INSTALL THE SENTRY POST• IN MOST SOIL CONDITIONS.
2. THE SOIL ANCHOR IS DRIVEN UNTIL FLUSH WITH GROUND LEVEL OR SLIGHTLY BELOW THE SURFACE.
3. PUSH THE SENTRY POST• DOWN INTO THE ANCHOR APPROXIMATELY 9", THEN PULL UP UNTIL IT LOCKS INTO PLACE.

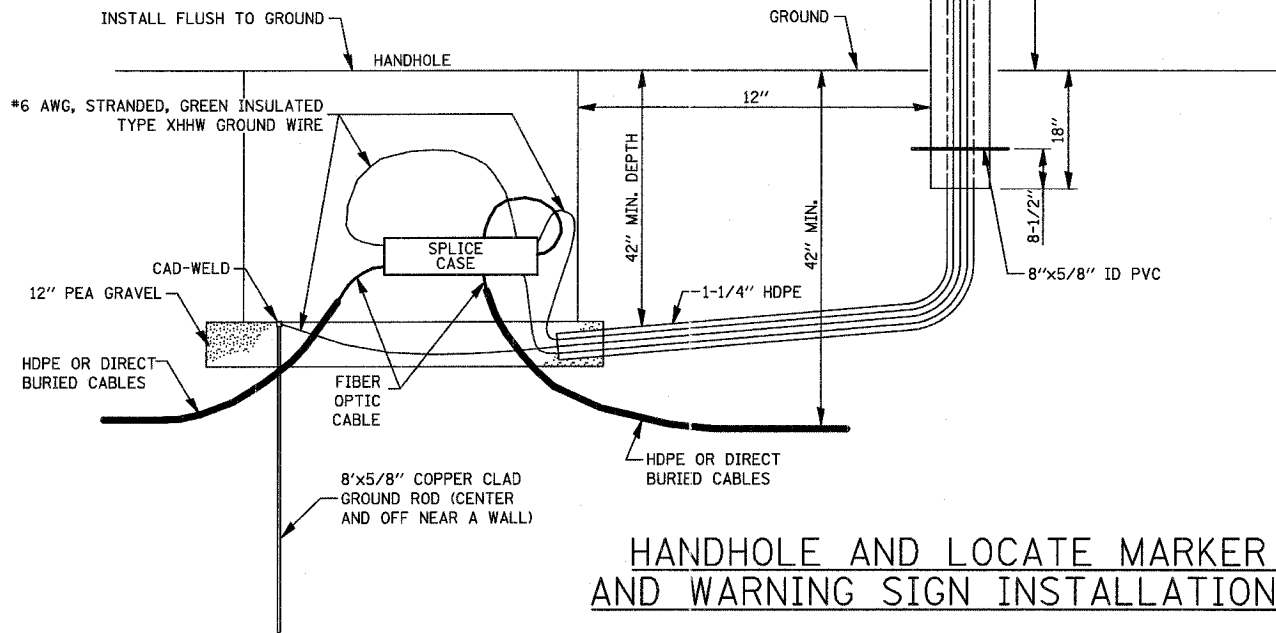


FENCE MOUNTED WARNING SIGN NOTES

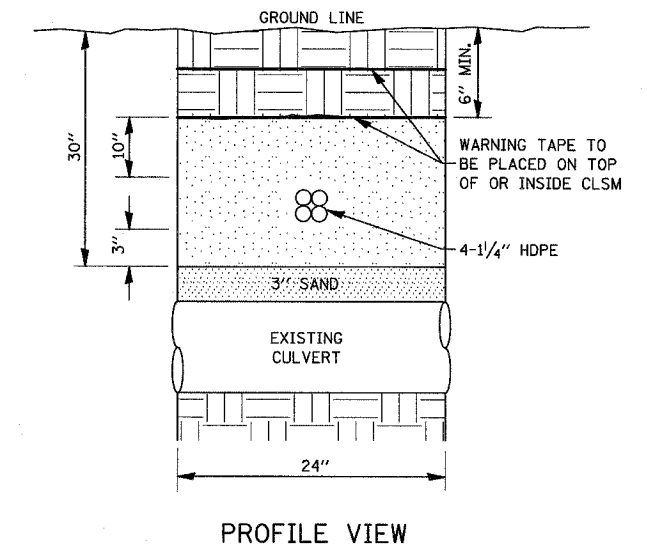
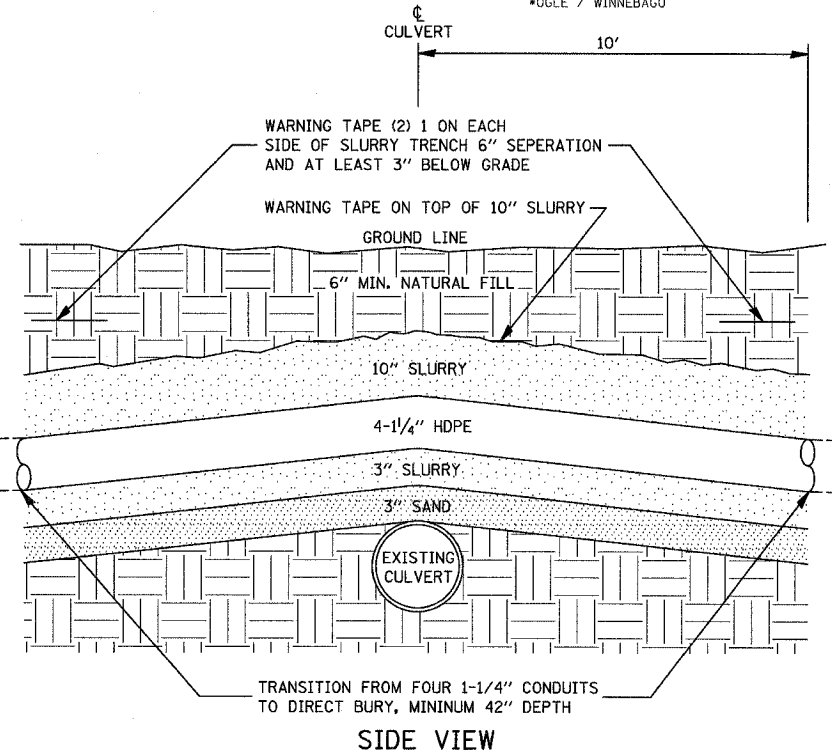
1. ROUTE MARKER TO BE PLACED 1 FOOT FROM HANDHOLE OR AT FENCE LINE IF POSSIBLE.
2. HANDHOLES SHALL BE BACKFILLED ONLY TO THE TOP OF THE BOX. FLUSH TO GROUND.
3. COIL FIBER CABLE IN HANDHOLE ENSURING THAT THE BEND RADIUS DOES NOT EXCEED VALUES IN TABLE "A".
4. INSTALL GROUND ROD & CAD-WELD AS PER MANUFACTURE'S INSTRUCTIONS. PLACE THE #6 GROUND WIRE (TYPE XHHW, STRANDED, GREEN INSULATED) THAT HAS BEEN ATTACHED TO THE GROUND ROD ON THE CENTER LUG OF THE WARNING SIGN. GROUND RODS AND GROUND WIRES INCLUDED IN THE COST OF HANDHOLE INSTALLATION.
5. BACKFILL MATERIAL SHALL BE COMPACTED TO THE SATISFACTION OF THE ENGINEER.
6. GROUND WIRE SHALL BE BONDED TO BOTH SHEATHS OF ARMORED FIBER OPTIC CABLE IN THE SPLICE ENCLOSURE USING #6 GROUND WIRE. EACH GROUND SHALL BE ISOLATED WITHIN THE ENCLOSURE.
7. INSTALL 1-1/4" HDPE CONDUIT FROM HANDHOLE TO WARNING SIGN TO ALLOW GROUNDING CABLE TO BE INSTALLED.
8. REFERENCE TYPICAL DRAWING FOR HANDHOLE INSTALLATION
9. PLACE 1-1/4" HDPE OVER FIBER OPTIC CABLE TO PROVIDE CRUSH PROTECTION, EXTEND HDPE 1' INSIDE HANDHOLE.
10. NO HANDHOLES WILL BE ALLOWED IN PAVED ROADWAYS OR SHOULDERS.
11. THE TOPS OF ALL HANDHOLES SHALL BE FLUSH WITH THE ADJACENT SLOPES.
12. A WARNING SIGN/LOCATE SIGN IS REQUIRED AT ALL HANDHOLES, AND IS INCLUDED IN COST OF HANDHOLE INSTALLATION.
13. FOR ALL SPLICE AND HANDHOLES, NUMBER DECALS WILL BE APPLIED AFTER INSTALLATION IS COMPLETED AND AT THE DIRECTION OF THE ENGINEER.

TABLE "A"

FIBER COUNT	MINIMUM BEND RADIUS (AT REST)
24F	6"
48F	6"
72F	8"
96F	8"
144F	10"
188F	10"
288F	10"
432F	10"
864F	11"



HANDHOLE AND LOCATE MARKER LOCATION AND WARNING SIGN INSTALLATION PROCEDURE

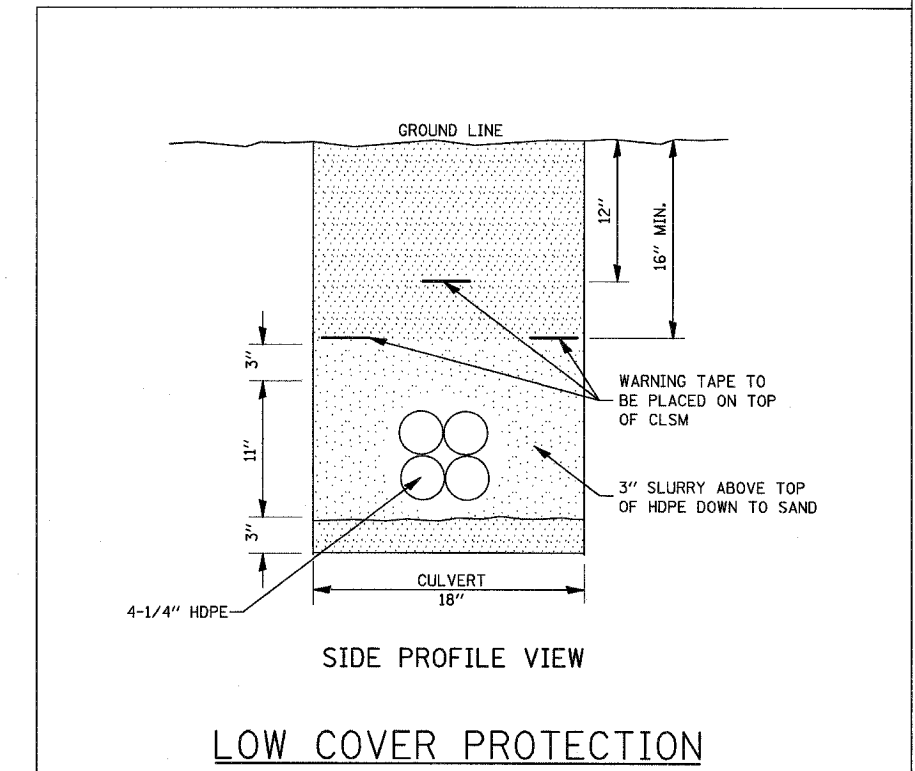
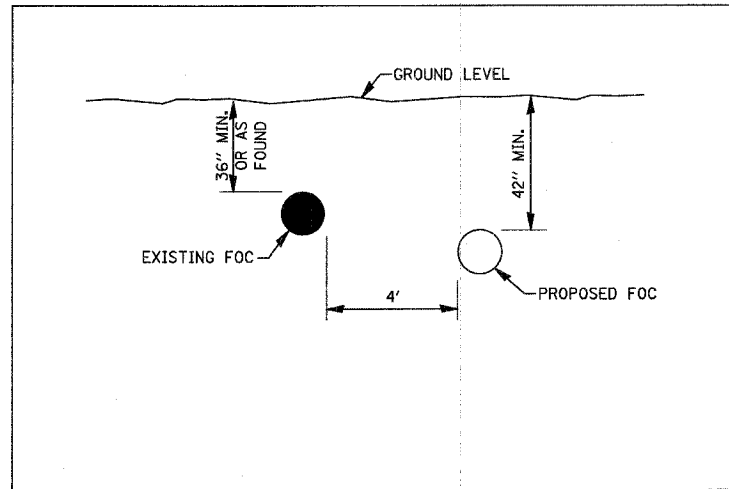
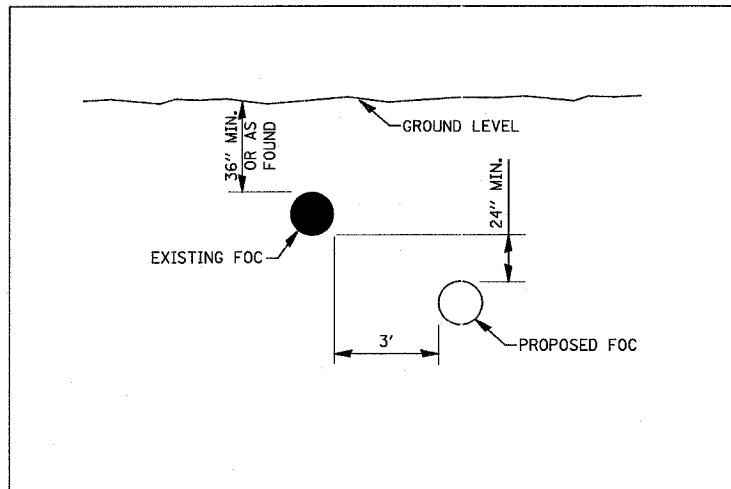
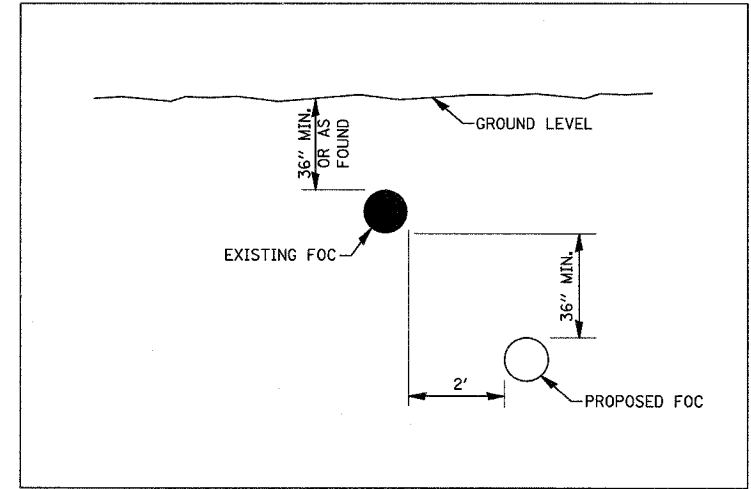
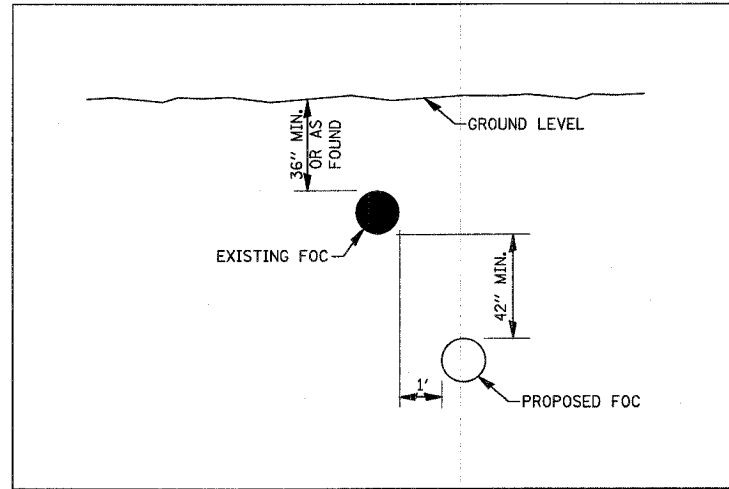
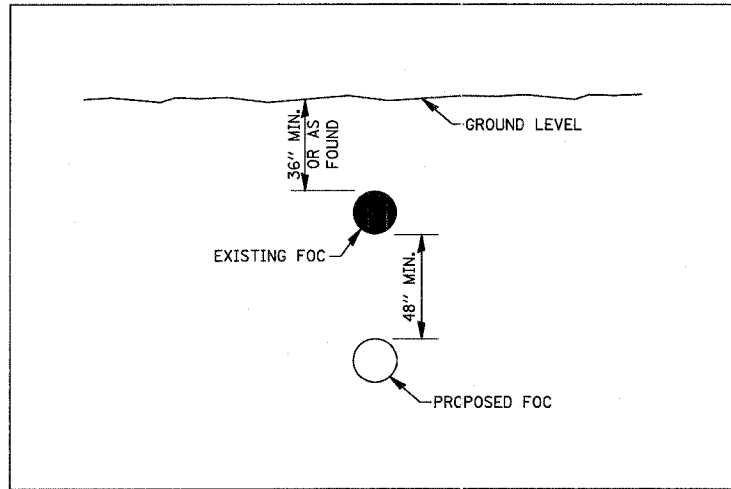


EXISTING CULVERT CROSSING

LOCATION OF CROSSING UTILITIES FOR REFERENCE ONLY, PLEASE CALL ALL APPLICABLE UTILITY LOCATORS FOR EXACT LOCATION PRIOR TO DIGGING OR TRENCHING.

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	41
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS FED. AID PROJECT		
*OGLE / WINNEBAGO				

TYPICAL FOR PARALLELING EXISTING FIBER



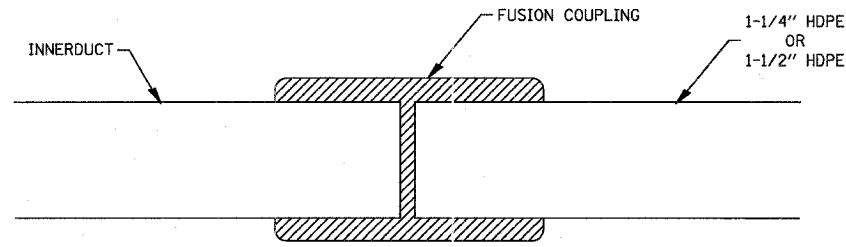
LOW COVER PROTECTION

LOCATION OF CROSSING UTILITIES FOR REFERENCE ONLY, PLEASE CALL ALL APPLICABLE UTILITY LOCATORS FOR EXACT LOCATION PRIOR TO DIGGING OR TRENCHING.

DETAILS

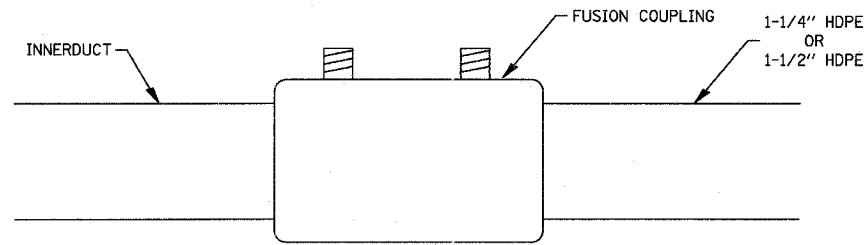
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39	141 / 201	•	46	42
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
•OGLE / WINNEBAGO				



NOTE:
 IN A PROPER ELECTROFUSION JOINT, MOLTEN MATERIAL FLOWS TO THE COLD ZONE WHERE IT SOLIDIFIES AND FREEZES OFF THE ESCAPE PATH. WITH THE MOLTEN MATERIAL CONTAINED, MELT PENETRATION WILL BUILD INTERFACE PRESSURE. WIRE WINDINGS WILL FLOW IN A DESIGNED AND CONTROLLED PATTERN AND A PROPER BONDING OF MATERIALS CAN BE OBTAINED.

PROPER FUSION DETAIL



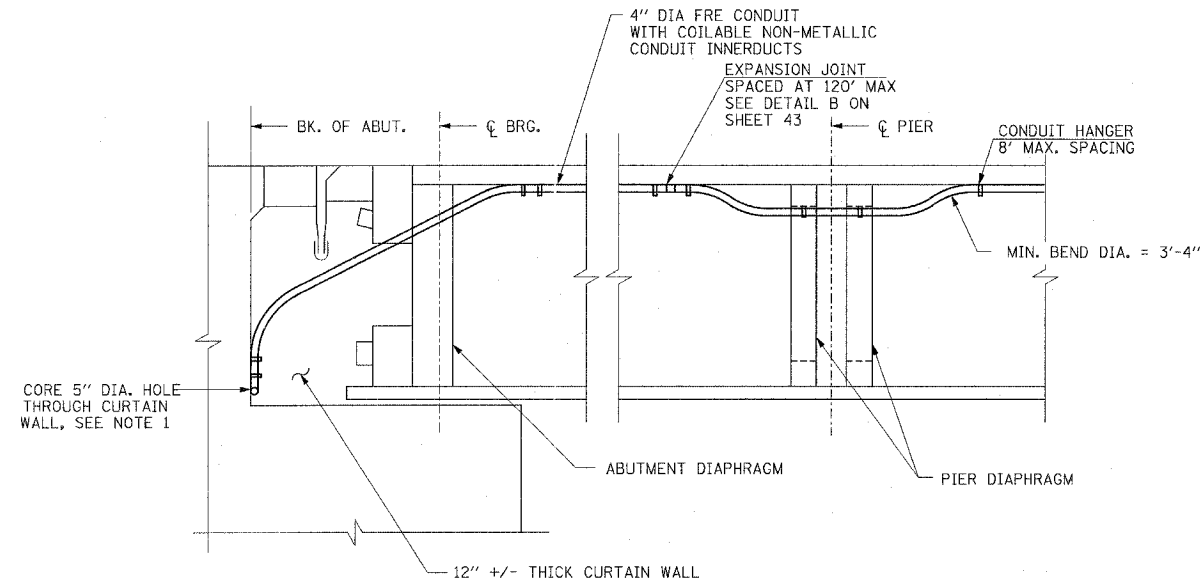
STANDARD JOINING PROCEDURES

1. THE PIPE MUST HAVE A SQUARE EVEN CUT.
2. REMOVE ANY BURRS OR SHAVINGS FROM THE PIPE ENDS THAT MAY HAVE DEVELOPED DURING THE CUTTING PROCESS.
3. CLEAN PIPE ENDS INSIDE AND OUT WITH A CLEAN CLOTH TO REMOVE ANY DIRT OR CONTAMINATES.
PIPE PREPARATION AND CONTAMINATION ARE VERY IMPORTANT CONSIDERATIONS IN THE ELECTROFUSION PROCESS. THEREFORE, CAREFULL ATTENTION SHOULD BE GIVEN TO PROPER SCRAPING AND CLEANING PROCEDURES.
4. SCRAPE PIPE ENDS TO REMOVE ANY OXIDATION OR SURFACE CONTAMINATION. FOR BEST RESULTS, SECURE TOOL ON PIPE AND MAKE TWO REVOLUTIONS.
5. REMOVE SCRAPING TOOLS AND CLEAN BLADE AREA WITH A CLEAN, DRY CLOTH. REPEAT THIS PROCEDURE SEVERAL TIMES DURING THE SCRAPING OPERATION TO REMOVE BUILD-UP OF MATERIAL.
6. CONTINUE SCRAPING UNTIL ONLY A VIRGIN SURFACE REMAINS.
CAUTION: AVOID ALL POSSIBLE RECONTAMINATION OF THE PREPARED SURFACE. DO NOT TOUCH INSIDE OF FITTING OR SCRAPED PIPE SURFACES WITH YOUR HANDS AS PERSPIRATION AND BODY OILS COULD CONTAMINATE JOINTING AREAS AND AFFECT JOINT PERFORMANCE.
7. TO DETERMINE STAB DEPTH, MEASURE HALF THE LENGTH OF THE COUPLING AND MARK THE PIPE ENDS AN EQUIVALENT LENGTH. FOR EASE OF INSTALLATION, A STAB DEPTH INDICATOR AND INTERNAL FITTING STOPS ARE A MOLDED PART OF CENTRAL ELECTROFUSION COUPLINGS AND REDUCERS.
8. SLIDE FITTING ONTO PIPE UNTIL PIPE ENDS MEET WITH THE STOPS IN THE I.D. OF THE FITTING. CHECK MEASUREMENT MARK FOR PROPER STAB DEPTH.
9. MAINTAINING STAB DEPTH, PLACE INTO THE PROPER CLAMPING TOOL TO SECURE THE PIPE FROM MOVEMENT DURING THE FUSION CYCLE. FOR BEST RESULTS, ALIGNMENT CLAMPS SHOULD BE PLACED AS CLOSE TO THE FITTING AS POSSIBLE.
10. THE SEQUENCE PROCESSOR SHOULD BE CONNECTED TO AN ADEQUATE AC POWER SOURCE (110 VOLT).
NOTE: IF UTILIZING A GENERATOR, THE GENERATOR SHOULD BE ENGAGED BEFORE PLUGGING THE SEQUENCE PROCESSOR IN.
11. THE SEQUENCE PROCESSOR WILL AUTOMATICALLY RUN A QUICK DIAGNOSTIC CHECK OF ITS OPERATIONAL FUNCTIONS (VOLTAGE INPUT/OUTPUT, ETC.) WHEN DIAGNOSTIC CHECK IS COMPLETE "ATTACH FITTING" WILL APPEAR ON THE VISUAL DISPLAY.
12. ATTACH LEADS FROM THE SEQUENCE PROCESSOR TO THE FITTING TERMINALS WHEN PROPER CONNECTION IS MADE, THE REQUIRED "FUSION CYCLE TIME" WILL APPEAR ON THE VISUAL DISPLAY.
13. PRESS START BUTTON TO BEGIN FUSION CYCLE. FUSION CYCLE TIME WILL COUNTDOWN ON THE VISUAL DISPLAY. PROPER VOLTAGE READ OUT SHOULD REMAIN BETWEEN 39.8 AND 40.2 VOLTS.
14. WHEN THE FUSION CYCLE IS COMPLETE, "FUSION COMPLETE AND RECOMMENDED COOLING TIME" WILL APPEAR ON THE VISUAL DISPLAY.
15. DISCONNECT LEADS FROM FITTING. CLAMPING DEVICE SHOULD REMAIN IN PLACE TO SECURE PIPE AND FITTING DURING THE RECOMMENDED COOLING TIME. AFTER REMOVING CLAMP, ADDITIONAL COOLING TIME SHOULD BE ALLOWED BEFORE SUBJECTING THE JOINT TO BENDING, BURYING, PRESSURE TESTING, OR SIMILAR HANDLING AND BACKFILL STRESS.
NOTE: IN THE EVENT OF OUT-OF-ROUND PIPE, IT IS IMPORTANT TO ASSURE AN ADEQUATE AND EVEN SCRAPE IS ACHIEVED AROUND THE ENTIRE CIRCUMFERENCE OF THE PIPE. A RUBBER PIPE STOPPER CAN BE PLACED IN THE END OF THE PIPE TO AID IN ROUNDING THE AREA TO BE SCRAPED.
16. MULTIPLE DUCTS FUSION ARE TO BE STAGGERED AND AFTER COMPLETION TO BE BOUND TOGETHER WITH TY-STRAPS (AT 5' SPACING) SO TO OCCUPY MINIMUM POSSIBLE SPACE AND THEN BACKFILLED.

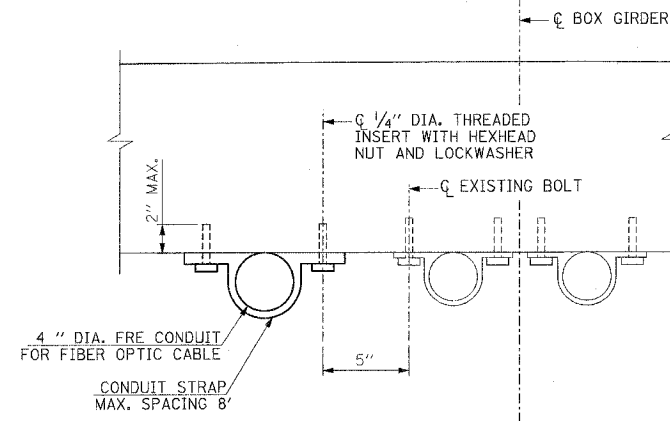
FUSION COUPLINGS DETAIL

LOCATION OF CROSSING UTILITIES FOR REFERENCE ONLY, PLEASE CALL ALL APPLICABLE UTILITY LOCATORS FOR EXACT LOCATION PRIOR TO DIGGING OR TRENCHING.

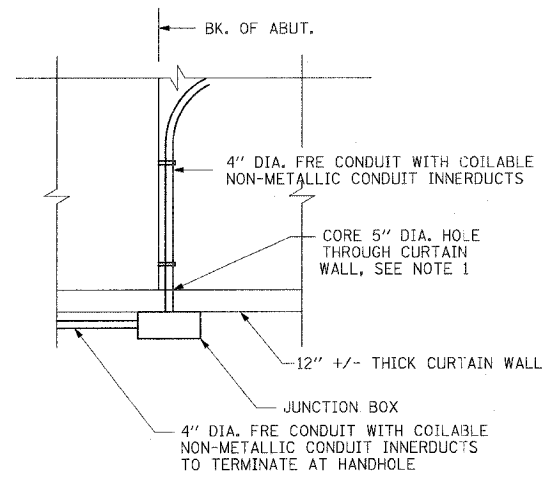
F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
• OGLE / WINNEBAGO				



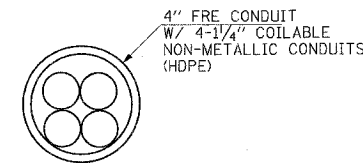
ELEVATION-CONDUIT LAYOUT DETAIL
 TYPICAL AT EACH END OF BRIDGE



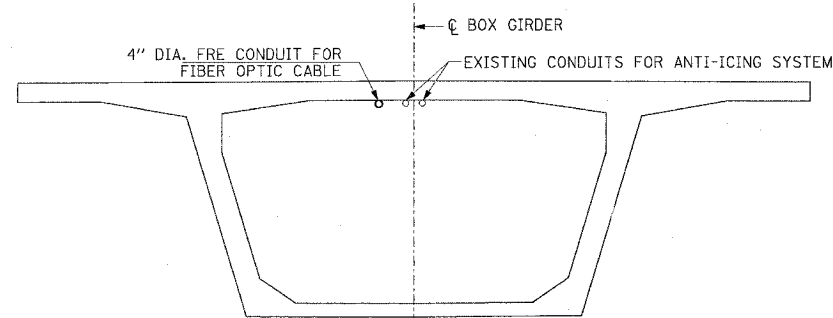
CONDUIT HANGER DETAIL



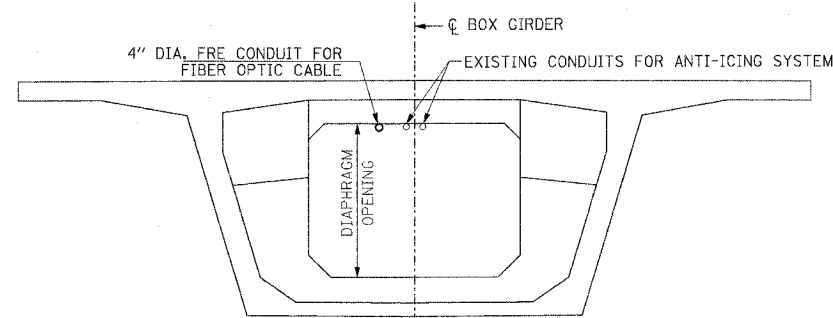
PLAN-CONDUIT LAYOUT DETAIL
 TYPICAL AT EACH END OF BRIDGE



TYPICAL CONDUIT DETAIL



BOX GIRDER BETWEEN PIERS
 (LOOKING NORTH)



BOX GIRDER AT PIERS
 (LOOKING NORTH)

NOTES:

- 4" DIA. FRE CONDUIT SHALL PASS THRU THE CURTAIN WALL AND TERMINATE INTO A JUNCTION BOX ATTACHED TO THE EXTERIOR FACE OF THE CURTAIN WALL. THE HOLE SHALL BE SEALED WITH A COMMERCIAL GRADE SILICONE SEALANT.
- NO DRILLING IS PERMITTED WITHOUT THE APPROVAL OF THE ENGINEER.
- ALL MATERIAL INCLUDING BUT NOT LIMITED TO CONDUIT, 4" DIA. FRE CONDUIT, 1-1/4" COILABLE NON-METALLIC CONDUITS, JUNCTION BOXES, HANGERS, STRAPS, CORING, EXPANSION JOINTS AND INSERTS NECESSARY TO INSTALL THE CONDUIT TO THE STRUCTURE AS SHOWN ON THIS DRAWING ARE INCLUDED IN PAY ITEM: "CONDUIT ATTACHED TO BRIDGE STRUCTURE, 4", FIBERGLASS REINFORCED EPOXY. SPECIAL".
- SEE "BRIDGE ATTACHMENT DETAILS" (SHEET NO.44) FOR FIBER OPTIC CONDUIT ATTACHMENTS TO ALL OTHER BRIDGE STRUCTURES.
- THE 4" FRE CONDUIT SHALL BE BULLET RESISTANT.
- STEEL NUTS, BOLTS AND WASHERS SHALL BE ACCORDING TO ASTM A307.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION

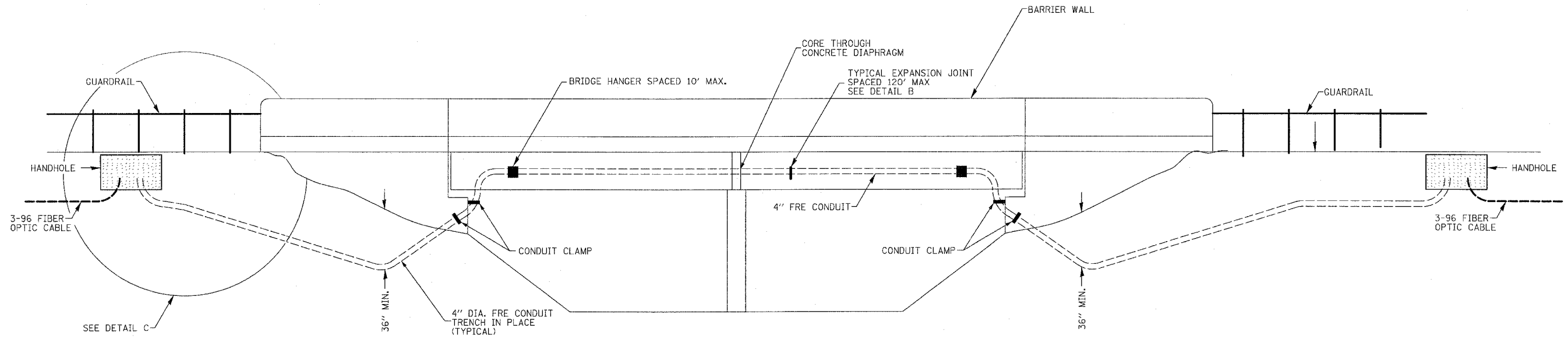
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 ATTACHMENT DETAILS**

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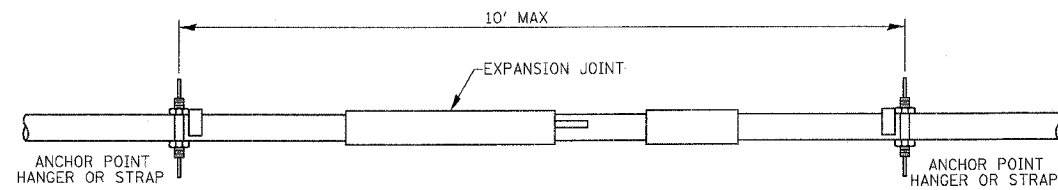
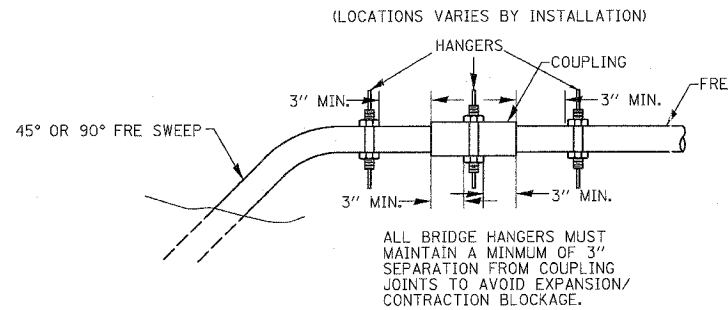
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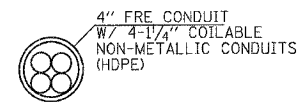
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STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
*OGLE / WINNEBAGO				



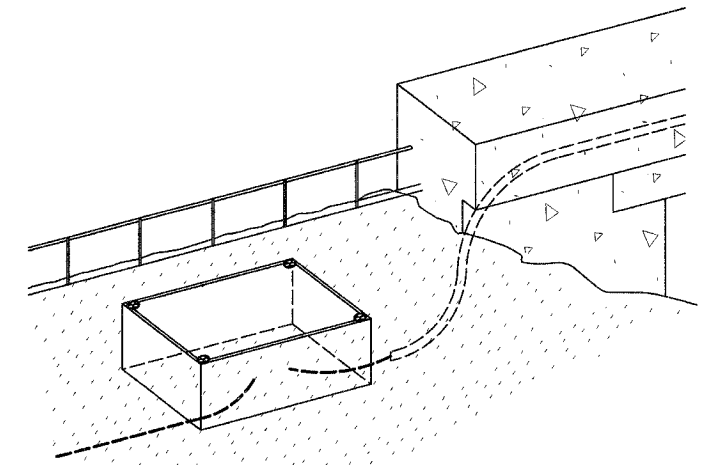
TYPICAL BRIDGE ATTACHMENT DETAIL
NTS



DETAIL B



TYPICAL CONDUIT DETAIL



DETAIL C
NTS

NOTES:

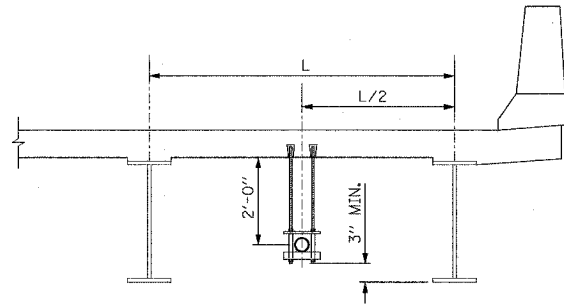
1. ALL MATERIAL INCLUDING BUT NOT LIMITED TO CONDUIT, 4" DIA. FRE CONDUIT, 1-1/4" COILABLE NON-METALLIC CONDUITS, HANGERS, STRAPS, CORING, EXPANSION JOINTS AND INSERTS NECESSARY TO INSTALL THE CONDUIT AND CABLE TO THE STRUCTURE AS SHOWN ON THIS DRAWING IS INCLUDED IN PAY ITEM: "CONDUIT ATTACHED TO BRIDGE STRUCTURE, 4", FIBERGLASS REINFORCED EPOXY. SPECIAL".
2. SEE "KISHWAUKEE RIVER BRIDGE ATTACHMENT DETAILS" (SHEET NO. 43) FOR FIBER OPTIC CONDUIT ATTACHMENT TO THE KISHWAUKEE RIVER BRIDGE STRUCTURE.
3. THE 4" FIBERGLASS REINFORCED EPOXY CONDUIT PLACED IN SOIL CONDITIONS SHALL BE TRENCHED IN PLACE AT A MINIMUM DEPTH OF 36".
4. THE 4" FRE CONDUIT SHALL BE BULLET RESISTENT.

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
BRIDGE ATTACHMENT DETAILS

SCALE: VERT. N/A
HORIZ. N/A
DATE: DECEMBER 15, 2006
DRAWN BY: CKL
CHECKED BY: CAC

F.A.I. DIST.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	•	46	45
STA.		TO STA.		
FED. ROAD DIST. NO.	ILLINOIS	FED. AID PROJECT		
•OGLE / WINNEBAGO				

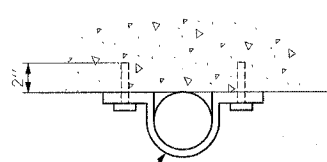


TYPICAL SECTION

DETAILS FOR PPC BEAMS SIMILAR
SEE NOTE 5

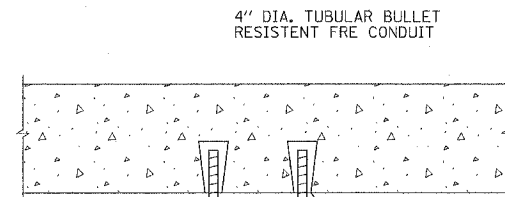
NOTES:

1. ALL HARDWARE (INCLUDING INSERTS) SHALL BE ASTM A307 AND BE HOT DIP GALVANIZED IN ACCORDANCE WITH ASTM A123.
2. ALL-THREAD ROD TO BE CUT FROM 12'-0" HOT DIP GALVANIZED STOCK AND ENDS TO BE COLD GALVANIZED AFTER SIZING AND DRESSING OPERATION (A307).
3. INSERT TO BE STAINLESS STEEL WEDGE ANCHOR TO BE INSTALLED IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS.
4. LOW POINT OF HANGER MUST BE ABOVE BOTTOM FLANGE OF GIRDER.
5. FOR THE PPC BEAM STRUCTURES, IT WILL BE NECESSARY TO CORE A 5" DIAMETER HOLE THROUGH THE PIER DIAPHRAGMS. THE APPROXIMATE DIAPHRAGM THICKNESS IS 2'-0".
6. ALL MATERIAL INCLUDING BUT NOT LIMITED TO CONDUIT, 4" DIA. FRE CONDUIT, 1-1/4" COILABLE NON-METALLIC CONDUITS, HANGERS, STRAPS, CORING, EXPANSION JOINTS AND INSERTS NECESSARY TO INSTALL THE CONDUIT AND CABLE TO THE STRUCTURE AS SHOWN ON THIS DRAWING IS INCLUDED IN PAY ITEM: "CONDUIT ATTACHED TO BRIDGE STRUCTURE, 4", FIBERGLASS REINFORCED EPOXY, SPECIAL".
7. THE 4" FRE CONDUIT SHALL BE BULLET RESISTANT.

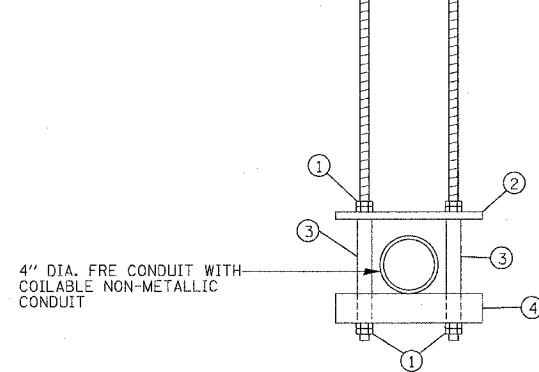


FRE CONDUIT STRAP FOR
4" DIA. FRE CONDUIT WITH
COILABLE NON-METALLIC
CONDUIT

CONDUIT STRAP



4" DIA. TUBULAR BULLET
RESISTANT FRE CONDUIT



4" DIA. FRE CONDUIT WITH
COILABLE NON-METALLIC
CONDUIT

CONDUIT HANGER DETAIL

- 1 5/8" DIA. ALL-THREAD ROD WITH TWO HEX NUTS, ONE FLAT AND ONE LOCK WASHER - H.D.G. (TYP.) AND ONE 1/4" NYLON VIBRATION DAMPING WASHER.
- 2 1/2" X 2" FIBERGLASS FLAT BAR
- 3 1" O.D. FIBERGLASS ROUND TUBE (TYP.)
- 4 2" X 2" X 1/4" FIBERGLASS SQUARE TUBE
- 5 EXPANSION ANCHORS - 3" MINIMUM EMBEDMENT

REVISIONS	
NAME	DATE

ILLINOIS DEPARTMENT OF TRANSPORTATION
**MISCELLANEOUS BRIDGE
ATTACHMENT DETAILS**

SCALE: VERT. N/A
HORIZ. N/A
DATE: DECEMBER 15, 2006

DRAWN BY CKL
CHECKED BY CAC

STORM WATER POLLUTION PREVENTION PLAN

EROSION CONTROL PLAN

CONTRACT NO. 64C83

F.A.I. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
39	141 / 201	*	46	46
STA.		TO STA.		
FED. ROAD DIST. NO.		ILLINOIS	FED. AID PROJECT	
*OGLE / WINNEBAGO				

THE FOLLOWING PLAN WAS ESTABLISHED AND INCLUDED IN THESE PLANS TO DIRECT THE CONTRACTOR IN THE PLACEMENT OF TEMPORARY EROSION CONTROL SYSTEMS AND TO PROVIDE A STORM WATER POLLUTION PREVENTION PLAN FOR COMPLIANCE UNDER NPDES.

THE PURPOSE OF THIS PLAN IS TO MINIMIZE SILTATION WITHIN THE CONSTRUCTION ZONE AND TO ELIMINATE SEDIMENTS FROM ENTERING AND LEAVING THE CONSTRUCTION ZONE BY UTILIZING PROPER TEMPORARY EROSION CONTROL SYSTEMS AND PROVIDING GROUND COVER WITHIN A REASONABLE AMOUNT OF TIME.

CERTAIN ITEMS, AS SHOWN IN THIS PLAN AND REFERENCED BY THE LEGEND, SHALL BE PLACED BY THE CONTRACTOR AT THE BEGINNING OF CONSTRUCTION. OTHER ITEMS SHALL BE PLACED BY THE CONTRACTOR AS DIRECTED BY THE ENGINEER ON A CASE BY CASE SITUATION RESULTING FROM THE CONTRACTOR'S SEQUENCE OF ACTIVITIES, TIME OF YEAR, AND EXPECTED WEATHER CONDITIONS.

THE CONTRACTOR SHALL PLACE PERMANENT EROSION CONTROL SYSTEMS AND SEEDING WITHIN A REASONABLE AMOUNT OF TIME; THEREFORE, REDUCING THE AMOUNT OF AREA BEING OPEN TO THE POSSIBILITY OF EROSION AND REDUCING THE AMOUNT OF TEMPORARY SEEDING. THE RESIDENT ENGINEER WILL DETERMINE IF TEMPORARY EROSION CONTROL SYSTEMS SHOWN IN THE PLAN CAN BE DELETED, THE SIZE OF THE PROPOSED DITCH CHECKS, THE PROPER METHOD OF INSTALLATION, AND IF ANY ADDITIONAL TEMPORARY EROSION CONTROL SYSTEMS SHALL BE ADDED WHICH ARE NOT INCLUDED IN THE PLANS. THE CONTRACTOR SHALL PERFORM ALL WORK AS DIRECTED BY THE ENGINEER AND AS SHOWN IN STANDARD 280001 OF THE PLANS,

SITE DESCRIPTION

DESCRIPTION OF CONSTRUCTION ACTIVITY: CONSTRUCTION OF FIBER OPTIC SYSTEM WITHIN I-39 R.O.W. EXTENDING FROM I-88 TO I-90. CONSTRUCTION BY DIRECT BURIAL, DIRECTIONAL BORING, ROCK EXCAVATION, AND ATTACHMENT TO BRIDGE STRUCTURES THAT CARRY I-39 OVER OTHER FEATURES. WORK INCLUDES HANDHOLE PLACEMENTS, AGRICULTURAL DRAINAGE TILE REPAIR DAMAGED BY FIBER CONSTRUCTION ACTIVITIES, AND SEEDING AND FERTILIZER PLACEMENT.

DESCRIPTION OF INTENDED SEQUENCE OF ACTIVITIES:

THE SEQUENCE OF EVENTS ARE AS FOLLOW: CLEARING, EMBANKMENT, EXCAVATION, GRADING AND PAVING. THIS PROJECT WILL BE CONSTRUCTED IN SEGMENTS AS SHOWN IN THE "STAGING PLANS".

TOTAL CONSTRUCTION SITE (CONSTRUCTION LIMIT TO CONSTRUCTION LIMIT) 28.3 ACRES

PROPOSED R.O.W. (TOTAL PARCEL AREA) 0.0 ACRES

DISTURBED BY EXCAVATION (E.O.P. TO CONSTRUCTION LIMIT) 5.67 ACRES

SUPPORTING REPORTS AND PLANS

THE FOLLOWING ASSISTED IN DEVELOPING THE EROSION CONTROL PLAN AS REFERENCED DOCUMENTS:

SOIL PROFILE SHEETS, SOILS REPORTS, BORING LOGS
USGS DRAINAGE MAPS, PROJECT PLAN DOCUMENTS

DRAINAGE TRIBUTARIES RECEIVING WATER FROM CONSTRUCTION SITE
KILBUCK CREEK; KISHWAUKEE RIVER; MADIGAN CREEK

EROSIONS CONTROLS AND SEDIMENT CONTROL PROCEDURES

STABILIZATION PRACTICES AT THE BEGINNING OF CONSTRUCTION:

PERIMETER EROSION CONTROL SHALL BE PLACED PRIOR TO BEGINNING EARTHWORK.

STABILIZATION PRACTICES DURING CONSTRUCTION:

AS EARTH EXCAVATION AND EMBANKMENT ARE BEING COMPLETED THE CONTRACTOR SHALL PLACE DITCH CHECKS, INLET AND PIPE PROTECTION, EROSION CONTROL BLANKET, AND SEEDING AS STAGES OF THE PROJECT ARE COMPLETED. PERIMETER EROSION BARRIER WILL BE INSTALLED AT ADDITIONAL LOCATIONS AS THE PROJECT PROGRESSES. SEEDING SHALL BE COMPLETED AS SPECIFIED IN THE EROSION CONTROL/ SEEDING MOBILIZATION AND TEMPORARY SEEDING SPECIAL PROVISION.

MAINTENANCE AFTER FINAL GRADING

TEMPORARY EROSION CONTROL SYSTEMS SHALL BE LEFT IN PLACE WITH PROPER MAINTENANCE UNTIL PERMANENT EROSION CONTROL IS IN PLACE AND WORKING PROPERLY AND ALL PROPOSED TURF AREAS SEEDED AND ESTABLISHED WITH THE PROPER STAND. ONCE PERMANENT EROSION CONTROL SYSTEMS AS PROPOSED IN THE PLANS ARE FUNCTIONAL AND ESTABLISHED, TEMPORARY ITEMS SHALL BE REMOVED, CLEANED UP AND DISTURBED TURF RESEEDED.

PLOT DATE = 12/14/2006
PLOT SCALE = 8000:1
PLOT USER = RUSSETT
PLOT USER = RUSSETT