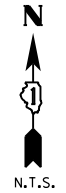
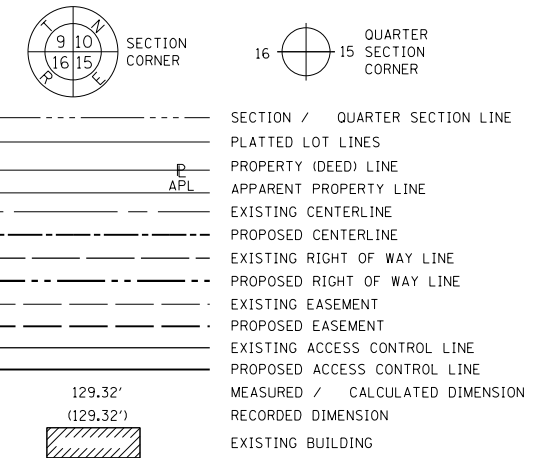
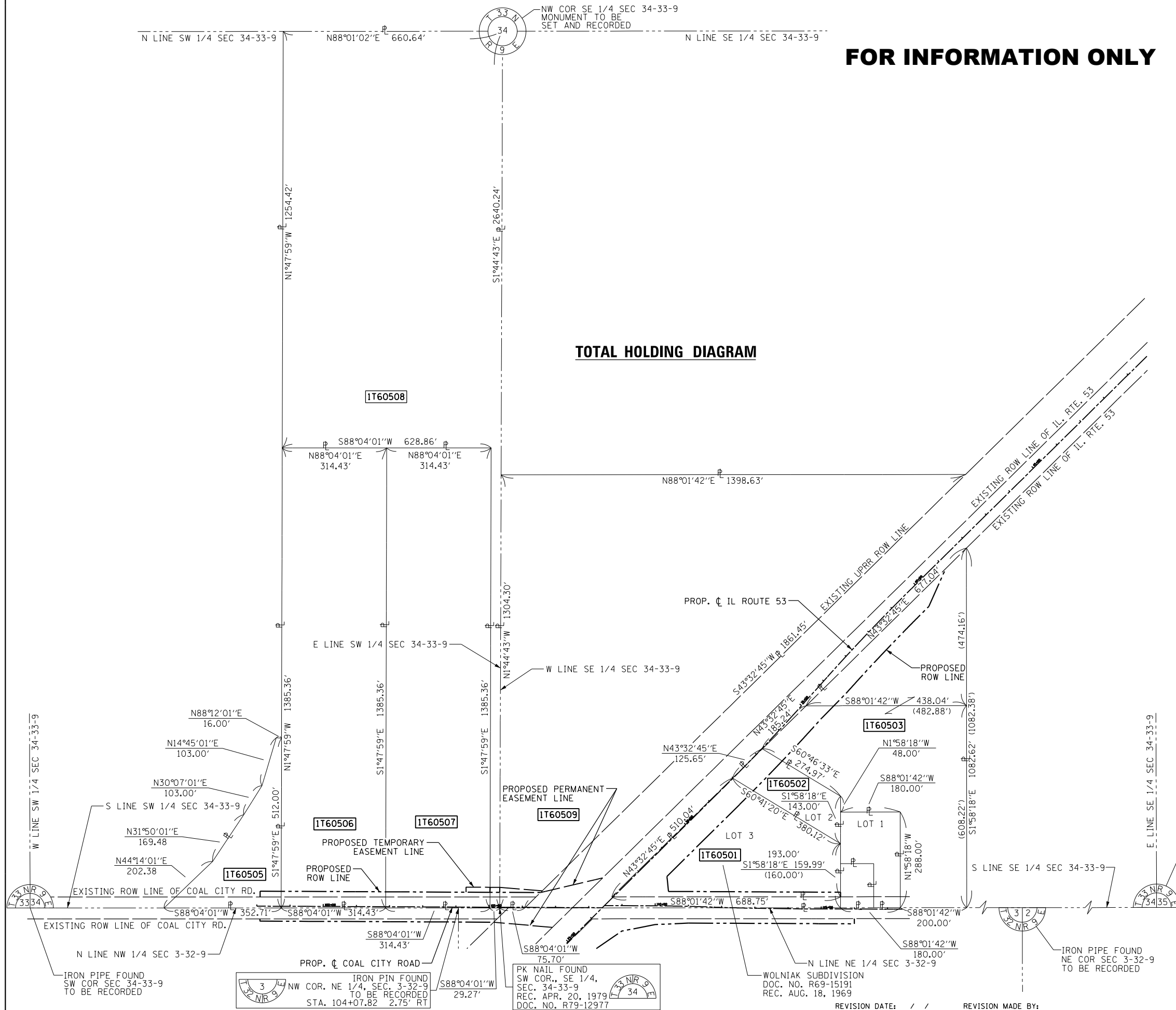


LEGEND



FOR INFORMATION ONLY

TOTAL HOLDING DIAGRAM



- IRON PIPE OR ROD FOUND ⊕ *MAG' NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
- STAKING OF PROPOSED RIGHT OF WAY, SET DIVISION OF HIGHWAYS SURVEY MARKER TO MONUMENT THE POSITION SHOWN, IDENTIFIED BY INSCRIPTION DATA AND SURVEYORS REGISTRATION NUMBER.
- M STAKING OF PROPOSED RIGHT OF WAY IN CULTIVATED AREAS, BURIED 5/8 INCH METAL ROD 20 INCHES BELOW GROUND TO MARK FUTURE SURVEY MARKER POSITION IDENTIFIED BY COLORED PLASTIC CAP BEARING SURVEYORS REGISTRATION NUMBER.
- ⊙ PERMANENT SURVEY MARKER, I.D.O.T. STANDARD 2135 (TO BE SET BY OTHERS)
- RIGHT OF WAY STAKING PROPOSED TO BE SET

NOTES:
ALL DIMENSIONS ARE MEASURED UNLESS OTHERWISE SPECIFIED.

BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

ALL MEASURED AND CALCULATED DISTANCES ARE "GRID" NOT "GROUND". TO OBTAIN GROUND DISTANCES, DIVIDE GRID DISTANCES BY THE COMBINATION FACTOR OF 0.99995522, REFERENCED N.G.S. MONUMENT PID-AE2536

STATE OF ILLINOIS)
)SS
COUNTY OF)

THIS IS TO CERTIFY THAT I, MARK E. CARTER, AN ILLINOIS PROFESSIONAL LAND SURVEYOR, (WE, _____ AN ILLINOIS PROFESSIONAL DESIGN FIRM LAND SURVEYING CORPORATION, NUMBER _____) HAVE SURVEYED THE PLAT OF HIGHWAYS SHOWN HEREON IN SECTION 3, TOWNSHIP 32 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN AND SECTION 34, TOWNSHIP 33 NORTH, RANGE 9 EAST OF THE THIRD PRINCIPAL MERIDIAN, WILL COUNTY, THAT THE SURVEY IS TRUE AND COMPLETE AS SHOWN TO THE BEST OF MY KNOWLEDGE AND BELIEF, THAT THE PLAT CORRECTLY REPRESENTS SAID SURVEY, THAT ALL MONUMENTS FOUND AND ESTABLISHED ARE OF PERMANENT QUALITY AND OCCUPY THE POSITIONS SHOWN THEREON AND THAT THE MONUMENTS ARE SUFFICIENT TO ENABLE THE SURVEY TO BE RETRACED, MADE FOR THE DEPARTMENT OF TRANSPORTATION, STATE OF ILLINOIS.

DATED AT _____, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3614
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



AECOM AECOM
345 EAST ASH AVENUE, SUITE B
DECATUR, ILLINOIS 62526
PH. 217-875-4800

PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL RTE 53 & COAL CITY ROAD

IDOT USE ONLY
LIMITS: SECTION: 01 H5RR COUNTY: WILL
STA. 98+00.00 TO STA. 117+00.00 JOB NO.: R-91-014-14
SCALE: N.T.S. SHEET 7 OF 9 SHEETS

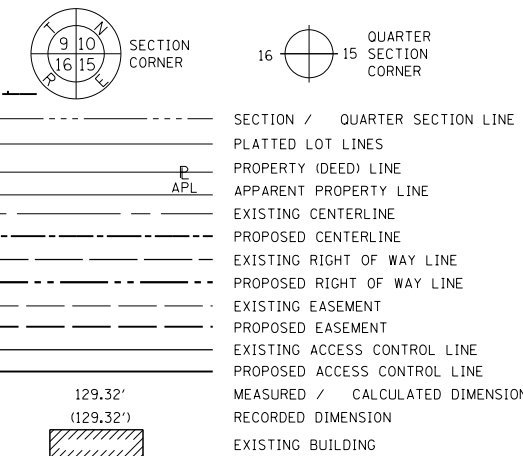
BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196

REVISION DATE: / / REVISION MADE BY:

IRON PIPE FOUND SW COR SEC 34-33-9 TO BE RECORDED
IRON PIN FOUND NW COR. NE 1/4, SEC. 3-32-9 TO BE RECORDED STA. 104+07.82 2.75' RT
PK NAIL FOUND SW COR., SE 1/4, SEC. 34-33-9 REC. APR. 20, 1979 DOC. NO. R79-12977
WOLNIAK SUBDIVISION DOC. NO. R69-15191 REC. AUG. 18, 1969

PART OF SECTION 3, T32N, R9E AND A PART OF SECTION 34, T33N, R9E OF THE 3RD. P.M., IN WILL COUNTY, ILLINOIS.

LEGEND



- IRON PIPE OR ROD FOUND ⊕ *MAG' NAIL SET
- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
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STATE OF ILLINOIS)
) SSS
 COUNTY OF)

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DATED AT _____, ILLINOIS THIS ___ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3614
 LICENSE EXPIRATION DATE: NOVEMBER 30, 2016

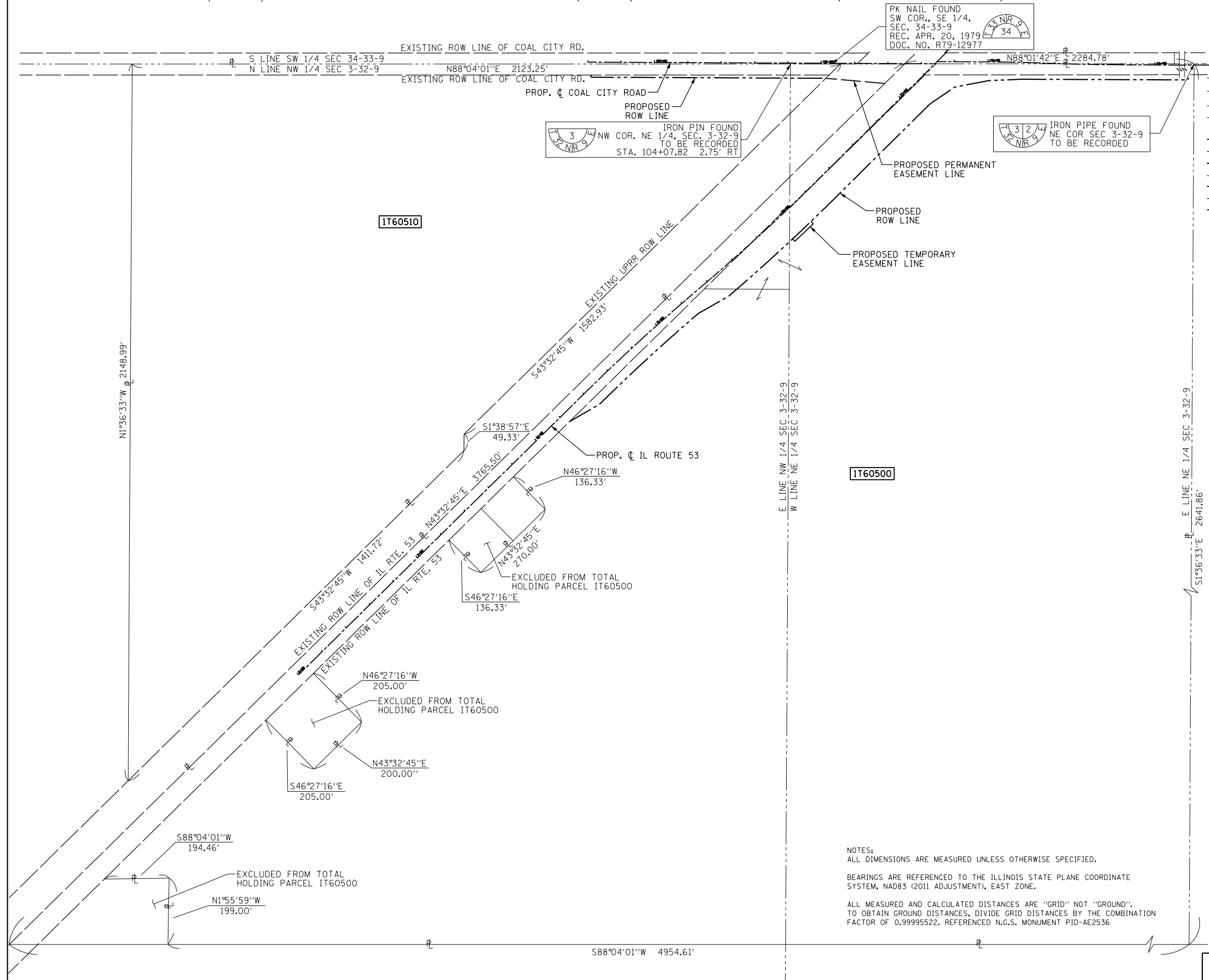
THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PLAT OF HIGHWAYS
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION
IL RTE 53 & COAL CITY ROAD

LIMITS: COUNTY: WILL
 SECTION: 01 H5RR JOB NO.: R-91-014-14
 STA. 98+00.00 TO STA. 117+00.00
 SCALE: N.T.S. SHEET 8 OF 9 SHEETS

BUREAU OF LAND ACQUISITION
 201 WEST CENTER COURT
 SCHAUMBURG, ILLINOIS 60196



NOTES:
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BEARINGS ARE REFERENCED TO THE ILLINOIS STATE PLANE COORDINATE SYSTEM, NAD83 (2011 ADJUSTMENT), EAST ZONE.

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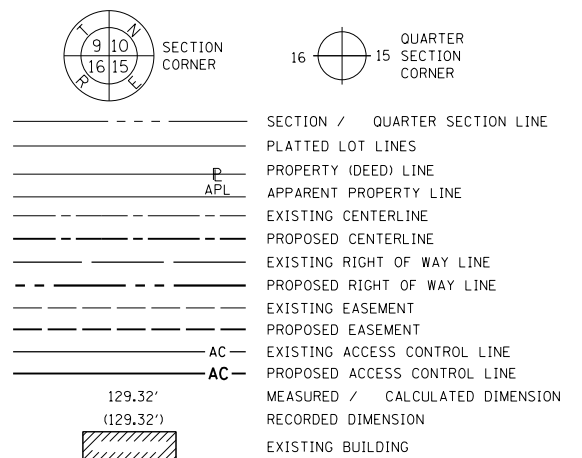
FOR INFORMATION ONLY

TOTAL HOLDING DIAGRAM

REVISION DATE: / / REVISION MADE BY:

PROJECT COORDINATES ARE ILLINOIS STATE PLANE, EAST ZONE NAD 83 (2011)

LEGEND



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- + CUT CROSS FOUND OR SET ● 5 / 8" REBAR SET
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DATED AT _____, ILLINOIS THIS ____ DAY OF _____ 20__ A.D.

ILLINOIS PROFESSIONAL LAND SURVEYOR NO. 3614
LICENSE EXPIRATION DATE: NOVEMBER 30, 2016



THIS PROFESSIONAL SERVICE CONFORMS TO THE CURRENT ILLINOIS MINIMUM STANDARDS FOR A BOUNDARY SURVEY.



PROPOSED CENTERLINE CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
IL. ROUTE 53				
POT	10+00.00	0.00' RT	1682780.929	1025624.936
BEGIN	11+12.18	0.00' RT	1682862.280	1025702.178
PC	12+12.18	0.00' RT	1682934.796	1025771.033
PT	16+17.17	0.00' RT	1683218.779	1026059.673
PC	17+21.24	0.00' RT	1683289.196	1026136.295
PT	21+45.54	0.00' RT	1683587.201	1026438.206
POI	26+45.54	0.00' RT	1683950.907	1026781.307
PC	31+57.57	0.00' RT	1684323.361	1027132.662
PT	35+12.91	0.00' RT	1684588.966	1027368.637
PC	36+16.91	0.00' RT	1684668.742	1027435.359
PT	39+83.62	0.00' RT	1684942.610	1027679.145
END	40+83.62	0.00' RT	1685015.216	1027747.901
POT	51+81.22	0.00' RT	1685812.181	1028502.599
COAL CITY ROAD				
POT	98+00.00	0.00' RT	1683920.576	1025740.865
BEGIN	103+24.55	0.00' RT	1683935.861	1026265.192
POI	108+40.88	0.00' RT	1683950.907	1026781.307
POI	108+47.38	0.00' RT	1683957.593	1026787.615
PC	109+80.38	0.00' RT	1683961.468	1026720.550
PRC	111+75.93	0.00' RT	1683963.981	1027116.082
PT	113+07.48	0.00' RT	1683964.969	1027247.624
END	113+57.48	0.00' RT	1683965.893	1027297.615
PI	114+17.80	0.00' RT	1683967.007	1027357.926
POT	117+46.06	0.00' RT	1683977.280	1027686.019

PROPOSED ROW CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
102	11+10.00	28.95' RT	1682840.767	1025721.670
99	12+12.18	55.00' RT	1682896.928	1025810.919
90	16+17.17	55.00' RT	1683178.283	1026096.890
89	17+21.24	75.00' RT	1683233.975	1026187.045
88	21+45.54	75.00' RT	1683535.736	1026492.762
87	25+50.00	75.00' RT	1683829.942	1026770.301
86	109+00.00	76.50' RT	1683882.659	1026842.438
85	110+00.19	56.47' RT	1683905.564	1026941.812
84	111+01.02	50.30' RT	1683913.476	1027041.624
66	110+39.57	43.79' LT	1684006.687	1026978.881
64	28+50.00	70.00' RT	1684051.597	1026972.525
137	105+14.13	45.00' RT	1683896.404	1026456.007
110	106+54.50	45.00' LT	1683990.456	1026593.689
63	31+57.57	70.00' RT	1684275.326	1027183.580
79	32+15.79	70.00' RT	1684318.369	1027223.788
80	33+39.37	70.00' RT	1684411.034	1027307.737
58	35+12.91	70.00' RT	1684544.057	1027422.332
57	36+16.91	75.00' RT	1684620.622	1027492.888
56	39+83.62	75.00' RT	1684891.040	1027733.602
131	41+00.00	29.42' RT	1685006.879	1027780.527
48	98+10.00	38.50' RT	1683882.383	1025751.983
45	98+10.00	45.00' RT	1683875.886	1025752.172
44	98+10.00	45.00' LT	1683965.848	1025749.549
47	98+10.00	27.50' LT	1683948.356	1025750.059
49	98+73.54	45.00' LT	1683967.700	1025813.067
50	101+87.98	45.00' LT	1683976.862	1026127.364
82	115+99.98	44.68' RT	1683928.046	1027541.412
81	116+00.01	29.12' RT	1683943.608	1027540.958
109	115+58.15	36.75' LT	1684008.135	1027497.053
70	115+58.11	50.41' LT	1684021.779	1027496.584

EXISTING ROW CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
138	11+10.00	31.05' LT	1682882.080	1025678.159
29	18+67.31	179.78' RT	1683655.553	1026793.112
95	20+50.00	1.29' RT	1683517.332	1026373.013
27	26+47.73	2.77' RT	1683950.597	1026784.824
128	25+80.78	63.48' LT	1683947.356	1026690.688
24	26+41.64	3.25' LT	1683950.302	1026776.266
26	26+88.74	3.07' LT	1683984.439	1026808.713
15	106+07.49	1.66' RT	1683942.446	1026548.056
133	105+57.54	1.92' RT	1683940.727	1026498.135
136	105+23.99	35.22' RT	1683906.466	1026465.570
13	106+40.71	31.32' LT	1683976.376	1026580.306
37	31+98.78	1.01' LT	1684354.128	1027160.097
39	33+24.40	1.66' RT	1684445.202	1027246.661
107	41+87.37	29.58' RT	1685070.204	1027840.716
46	98+10.00	5.50' RT	1683915.370	1025751.021
23	98+73.58	27.79' LT	1683950.501	1025813.607
8	98+73.66	5.21' RT	1683917.517	1025814.644
43	101+88.01	29.24' LT	1683961.106	1026127.859
41	101+88.09	3.76' RT	1683928.122	1026128.896
10	105+02.51	2.22' RT	1683938.824	1026443.144
22	105+02.44	30.68' LT	1683971.712	1026442.111
21	105+31.74	30.82' LT	1683972.700	1026471.396
74	116+00.08	3.88' LT	1683976.594	1027539.997
35	115+58.25	3.75' LT	1683975.155	1027498.189
25	26+00.64	2.59' RT	1683916.460	1026752.378
857	NE COR SEC 3		1684025.965	1028974.112
4	NW COR SE 1/4 SEC 34		1686578.852	1026391.985
135	SW COR SEC 34		1683850.921	1023841.377
856	SE COR SEC 34		1684030.652	1029119.452
141	SW COR SE 1/4 SEC 10		1673338.661	1026646.179
858	S 1/4 COR SEC 34		1683939.841	1026472.397
140	NW COR NE 1/4 SEC 3		1683935.534	1026348.504

PROPOSED TEMPORARY EASEMENT CONTROL

POINT	STATION	OFFSET	NORTHING	EASTING
94	19+75.00	75.00' RT	1683411.832	1026372.476
93	19+75.00	85.00' RT	1683404.765	1026379.550
92	20+50.00	85.00' RT	1683458.919	1026432.975
91	20+50.00	75.00' RT	1683465.897	1026425.812
118	106+59.54	50.00' LT	1683995.601	1026598.579
115	104+30.00	45.00' LT	1683983.915	1026369.286
114	104+30.00	60.00' LT	1683998.908	1026368.849
111	105+02.41	45.00' LT	1683986.024	1026441.661
116	105+02.37	60.00' LT	1684001.017	1026441.190
117	105+31.70	60.00' LT	1684001.872	1026470.507
112	105+31.72	45.00' LT	1683986.879	1026470.964

PROPOSED PERMANENT EASEMENT CONTROL

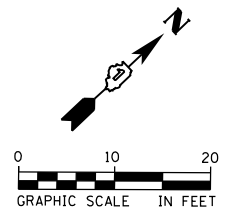
POINT	STATION	OFFSET	NORTHING	EASTING
119	27+09.83	63.00' LT	1684040.895	1026779.595
120	106+90.66	60.00' RT	1683886.555	1026632.897

FOR INFORMATION ONLY

IDOT USE ONLY

LIMITS: COUNTY: WILL
SECTION: D1 HSRR JOB NO.: R-91-014-14
STA. TO STA.
SCALE: SHEET 9 OF 9 SHEETS

**BUREAU OF LAND ACQUISITION
201 WEST CENTER COURT
SCHAMBURG, ILLINOIS 60196**



COMB CC&G TB6.12

COMB CC&G TM6.12 (FROM CROSSING TO RADIUS)

FUTURE MAIN TRK 2

MAIN TRK 1

COMB CC&G TM6.12

COMB CC&G TB6.12

STA. 26+45.54 @ IL ROUTE 53 =
STA 108+40.88 @ COAL CITY RD

STA. 26+54.74 @ IL ROUTE 53 =
STA 108+47.38 @ COAL CITY RD

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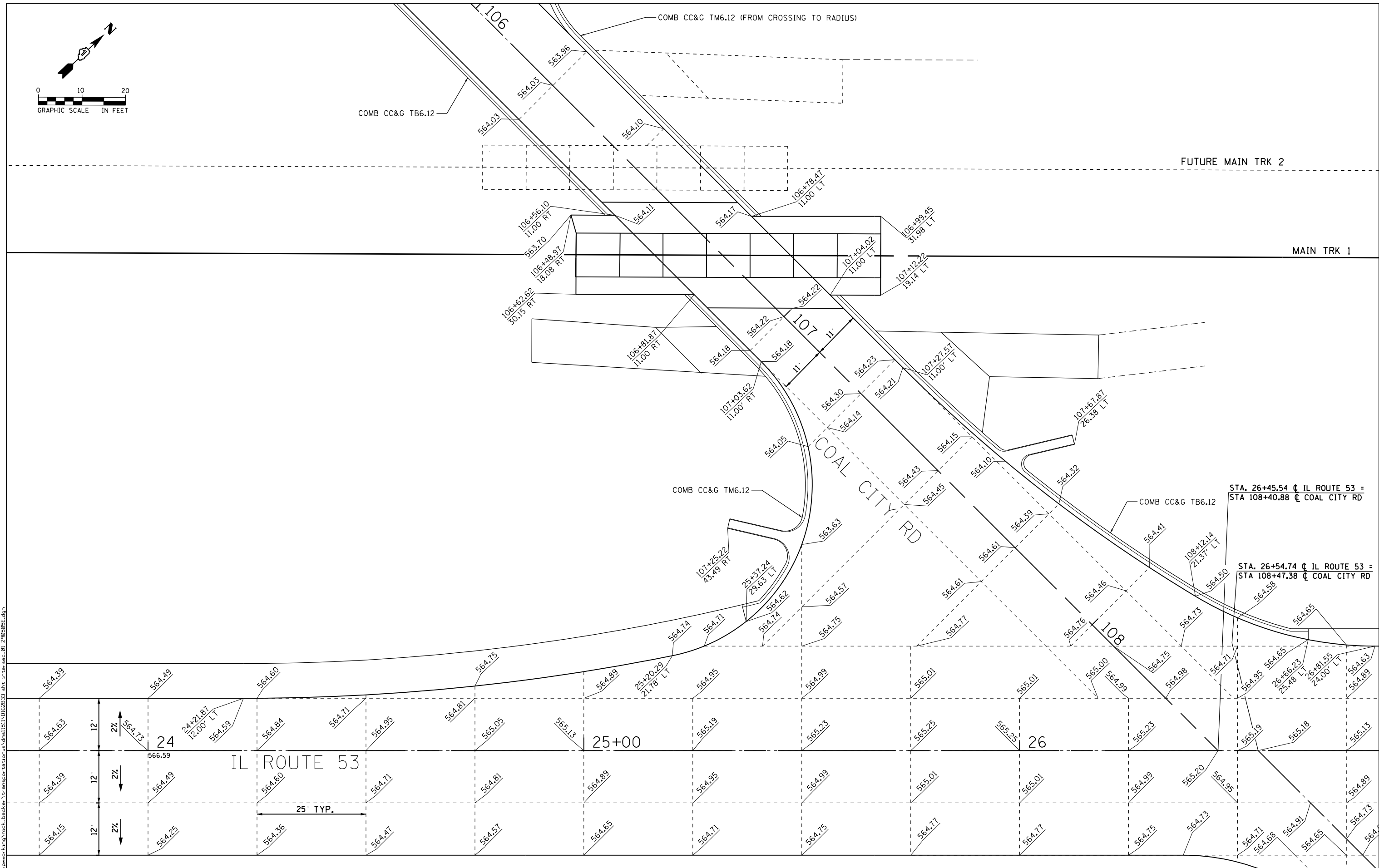
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DRAWN - BWL, EKS	REVISED -	
PLOT SCALE = 20.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

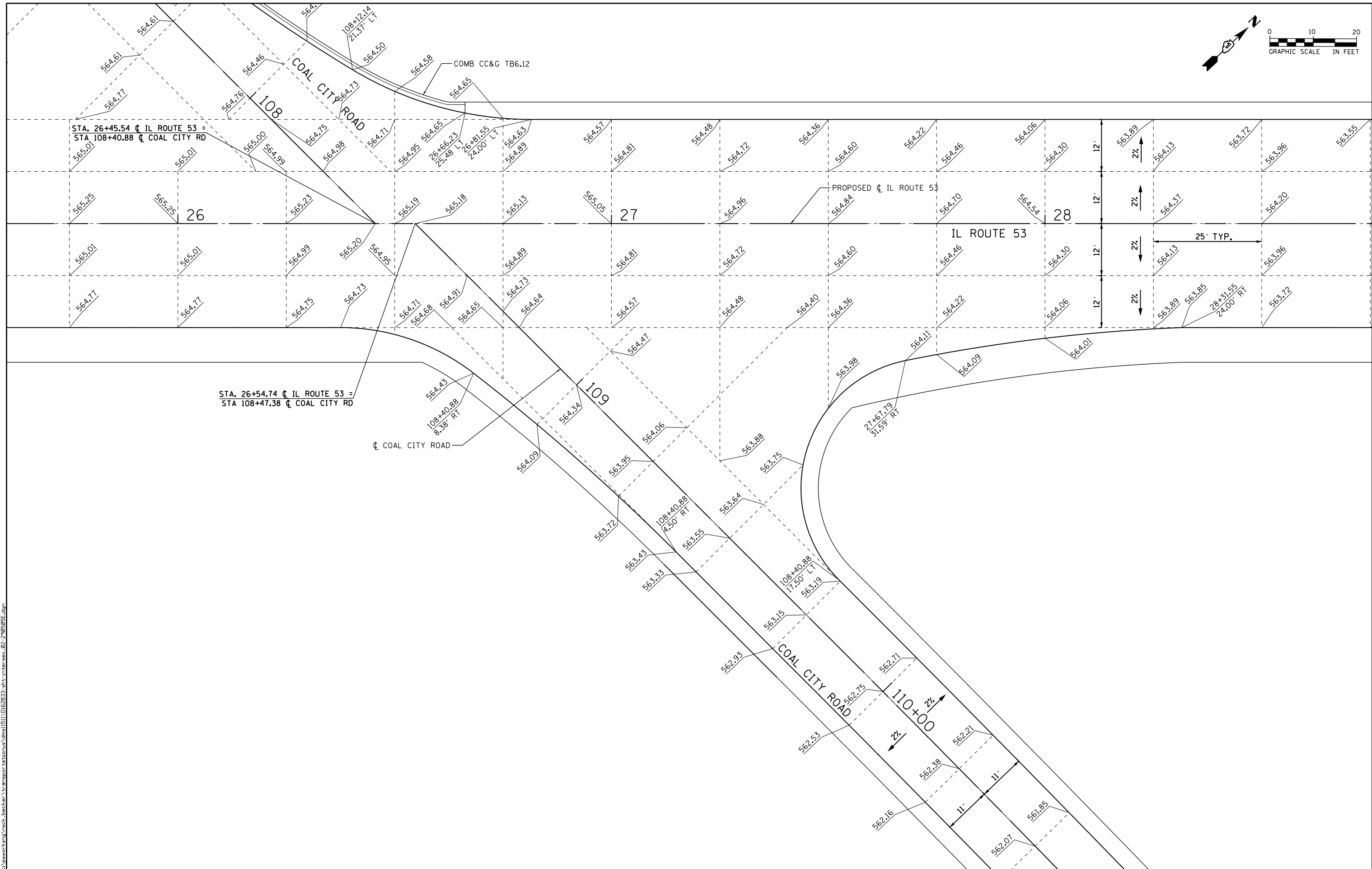
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**INTERSECTION PAVING DETAILS
ILLINOIS ROUTE 53**

SCALE: 1" = 10' SHEET 1 OF 2 SHEETS STA. 23+70.00 TO STA. 26+80.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	304
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	





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USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 20.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

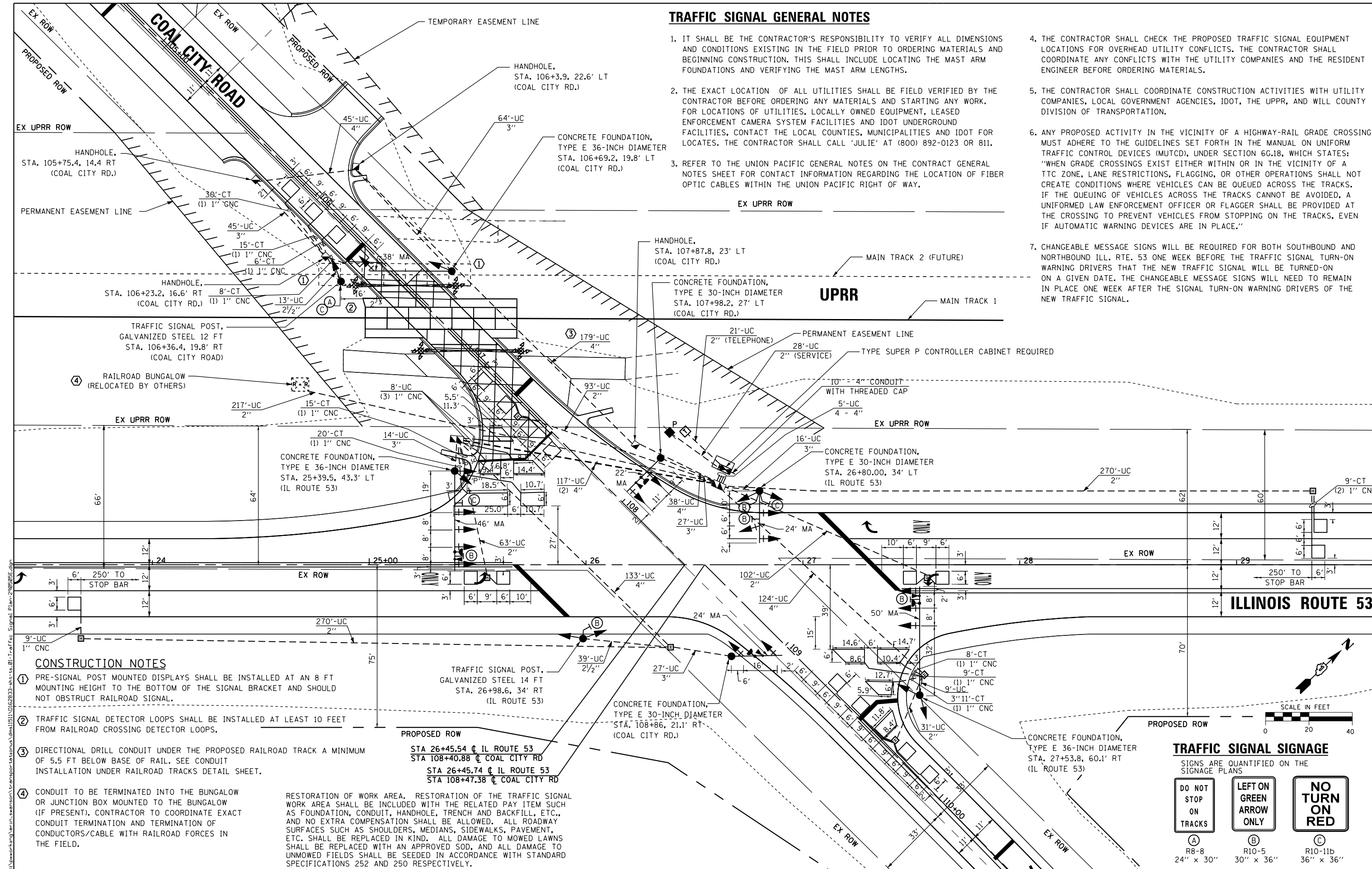
**INTERSECTION PAVING DETAILS
ILLINOIS ROUTE 53**

SCALE: 1" = 10' SHEET 2 OF 2 SHEETS STA. 25+60.00 TO STA. 28+70.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	305
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

TRAFFIC SIGNAL GENERAL NOTES

- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY ALL DIMENSIONS AND CONDITIONS EXISTING IN THE FIELD PRIOR TO ORDERING MATERIALS AND BEGINNING CONSTRUCTION. THIS SHALL INCLUDE LOCATING THE MAST ARM FOUNDATIONS AND VERIFYING THE MAST ARM LENGTHS.
- THE EXACT LOCATION OF ALL UTILITIES SHALL BE FIELD VERIFIED BY THE CONTRACTOR BEFORE ORDERING ANY MATERIALS AND STARTING ANY WORK. FOR LOCATIONS OF UTILITIES, LOCALLY OWNED EQUIPMENT, LEASED ENFORCEMENT CAMERA SYSTEM FACILITIES AND IDOT UNDERGROUND FACILITIES, CONTACT THE LOCAL COUNTIES, MUNICIPALITIES AND IDOT FOR LOCATES. THE CONTRACTOR SHALL CALL 'JULIE' AT (800) 892-0123 OR 811.
- REFER TO THE UNION PACIFIC GENERAL NOTES ON THE CONTRACT GENERAL NOTES SHEET FOR CONTACT INFORMATION REGARDING THE LOCATION OF FIBER OPTIC CABLES WITHIN THE UNION PACIFIC RIGHT OF WAY.
- THE CONTRACTOR SHALL CHECK THE PROPOSED TRAFFIC SIGNAL EQUIPMENT LOCATIONS FOR OVERHEAD UTILITY CONFLICTS. THE CONTRACTOR SHALL COORDINATE ANY CONFLICTS WITH THE UTILITY COMPANIES AND THE RESIDENT ENGINEER BEFORE ORDERING MATERIALS.
- THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH UTILITY COMPANIES, LOCAL GOVERNMENT AGENCIES, IDOT, THE UPRR, AND WILL COUNTY DIVISION OF TRANSPORTATION.
- ANY PROPOSED ACTIVITY IN THE VICINITY OF A HIGHWAY-RAIL GRADE CROSSING MUST ADHERE TO THE GUIDELINES SET FORTH IN THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), UNDER SECTION 6G.18, WHICH STATES: "WHEN GRADE CROSSINGS EXIST EITHER WITHIN OR IN THE VICINITY OF A TTC ZONE, LANE RESTRICTIONS, FLAGGING, OR OTHER OPERATIONS SHALL NOT CREATE CONDITIONS WHERE VEHICLES CAN BE QUEUED ACROSS THE TRACKS. IF THE QUEUING OF VEHICLES ACROSS THE TRACKS CANNOT BE AVOIDED, A UNIFORMED LAW ENFORCEMENT OFFICER OR FLAGGER SHALL BE PROVIDED AT THE CROSSING TO PREVENT VEHICLES FROM STOPPING ON THE TRACKS, EVEN IF AUTOMATIC WARNING DEVICES ARE IN PLACE."
- CHANGEABLE MESSAGE SIGNS WILL BE REQUIRED FOR BOTH SOUTHBOUND AND NORTHBOUND ILL. RTE. 53 ONE WEEK BEFORE THE TRAFFIC SIGNAL TURN-ON WARNING DRIVERS THAT THE NEW TRAFFIC SIGNAL WILL BE TURNED-ON ON A GIVEN DATE. THE CHANGEABLE MESSAGE SIGNS WILL NEED TO REMAIN IN PLACE ONE WEEK AFTER THE SIGNAL TURN-ON WARNING DRIVERS OF THE NEW TRAFFIC SIGNAL.



FILE NAME: c:\pwworking\erin.swanson\transportation\151110162833-akt-tb-01-Traffic Signal Plan-200605.dwg
 USER: erin.swanson
 PLOT SCALE: 40.0000 ft / in.
 PLOT DATE: 4/18/2016

CONSTRUCTION NOTES

- PRE-SIGNAL POST MOUNTED DISPLAYS SHALL BE INSTALLED AT AN 8 FT MOUNTING HEIGHT TO THE BOTTOM OF THE SIGNAL BRACKET AND SHOULD NOT OBSTRUCT RAILROAD SIGNAL.
- TRAFFIC SIGNAL DETECTOR LOOPS SHALL BE INSTALLED AT LEAST 10 FEET FROM RAILROAD CROSSING DETECTOR LOOPS.
- DIRECTIONAL DRILL CONDUIT UNDER THE PROPOSED RAILROAD TRACK A MINIMUM OF 5.5 FT BELOW BASE OF RAIL. SEE CONDUIT INSTALLATION UNDER RAILROAD TRACKS DETAIL SHEET.
- CONDUIT TO BE TERMINATED INTO THE BUNGALOW OR JUNCTION BOX MOUNTED TO THE BUNGALOW (IF PRESENT). CONTRACTOR TO COORDINATE EXACT CONDUIT TERMINATION AND TERMINATION OF CONDUCTORS/CABLE WITH RAILROAD FORCES IN THE FIELD.

RESTORATION OF WORK AREA. RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

STA 26+45.54 C IL ROUTE 53
 STA 108+40.88 C COAL CITY RD
 STA 26+45.74 C IL ROUTE 53
 STA 108+47.38 C COAL CITY RD



USER NAME = Erin.Swanson	DESIGNED - KMO	REVISED -
	DRAWN - KMO	REVISED -
	CHECKED - MJL	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

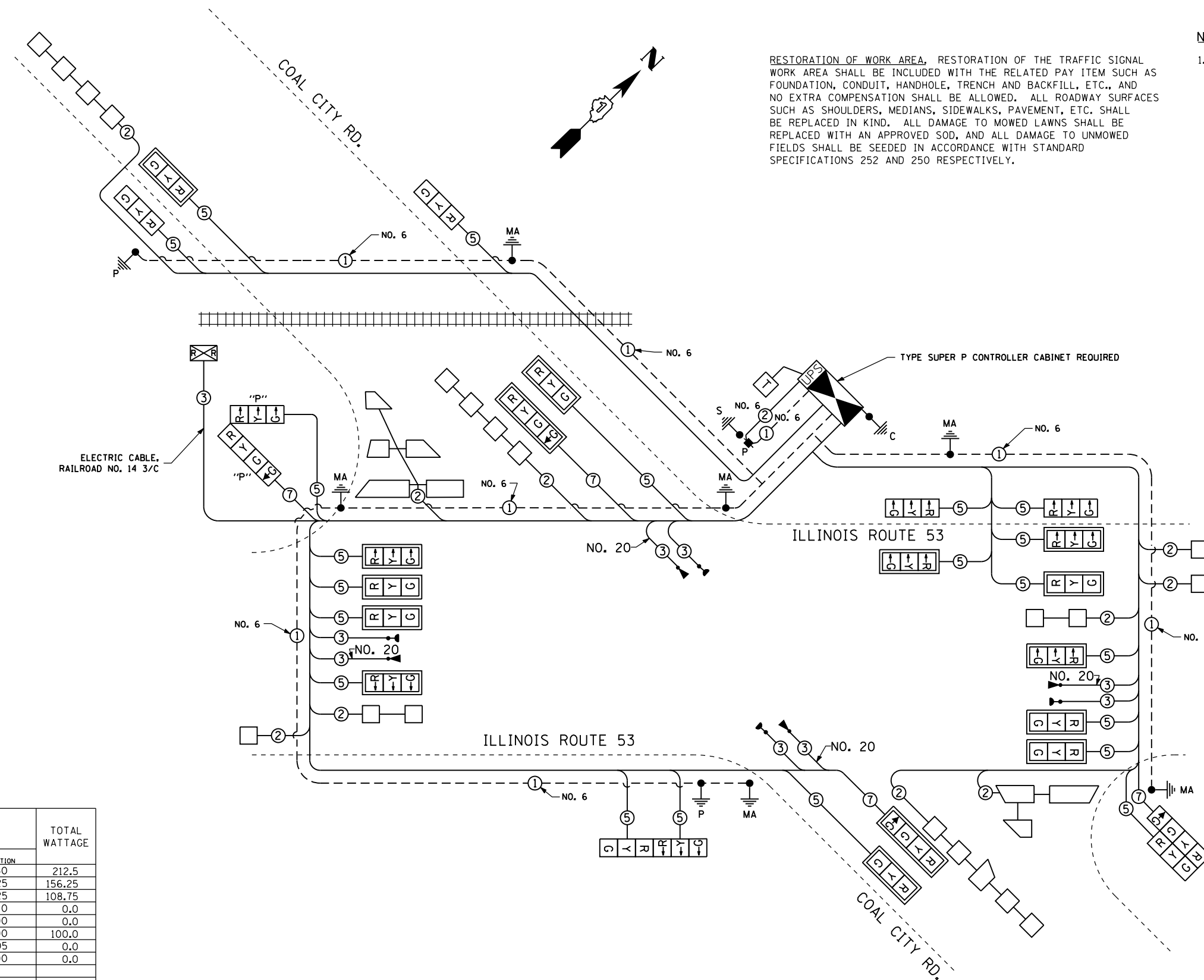
PROPOSED TRAFFIC SIGNAL INSTALLATION PLAN
 ILLINOIS ROUTE 53 AND COAL CITY ROAD
 SCALE: 1" = 20' SHEET 1 OF 7 SHEETS STA. TO STA.

TRAFFIC SIGNAL SIGNAGE

SIGNS ARE QUANTIFIED ON THE SIGNAGE PLANS

DO NOT STOP ON TRACKS	LEFT ON GREEN ARROW ONLY	NO TURN ON RED
(A)	(B)	(C)
R8-8 24" x 30"	R10-5 30" x 36"	R10-11b 36" x 36"

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	306
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



RESTORATION OF WORK AREA, RESTORATION OF THE TRAFFIC SIGNAL WORK AREA SHALL BE INCLUDED WITH THE RELATED PAY ITEM SUCH AS FOUNDATION, CONDUIT, HANDHOLE, TRENCH AND BACKFILL, ETC., AND NO EXTRA COMPENSATION SHALL BE ALLOWED. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.

- NOTE:**
1. THE TRAFFIC SIGNAL CONTROLLER SHALL HAVE REMOTE MONITORING CAPABILITES INCLUDING ALL NECESSARY PERIPHERAL HARDWARE SUCH AS A PHONE MODEM, INTERSECTION MONITOR, ETC. TO ALLOW FOR BOTH REMOTE DIAL-IN ACCESS AND AUTOMATIC CONTROLLER DIAL-OUT REPORTING OF ALARMS. THE COST OF THE NECESSARY ADDITIONAL HARDWARE SHALL BE INCLUDED IN THE UNIT PRICE FOR "RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET."

CABLE PLAN

I.D.O.T. TRAFFIC SIGNAL INSTALLATION ELECTRICAL SERVICE REQUIREMENTS						TOTAL WATTAGE
TYPE	NO. OF LAMPS	WATTAGE INCAND.	LED	% OPERATION		
SIGNAL (RED)	25	17		0.50	212.5	
(YELLOW)	25	25		0.25	156.25	
(GREEN)	29	15		0.25	108.75	
ARROW	0	12		0.10	0.0	
PED. SIGNAL	--	25		1.00	0.0	
CONTROLLER	1	100		1.00	100.0	
ILLUM. SIGN	--	25		0.05	0.0	
VIDEO SYSTEM	--	150		1.00	0.0	
FLASHER		25		0.50		
ENERGY COST TO:				TOTAL=	577.5	

CITY OF WILMINGTON
 1165 S. WATER STREET
 WILMINGTON, ILLINOIS 60481

ENERGY SUPPLY: CONTACT: TONY COX
 PHONE: 815-724-5100
 COMPANY: COMMONWEALTH EDISON

FILE NAME: c:\ywork\cwg\erin.swanson\transportation\Illinois\DI62B33-akt-ta-02-Cable_Plan-290505E.dgn



USER NAME = Erin.Swanson	DESIGNED - KMO	REVISED -
	DRAWN - KMO	REVISED -
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PLOT DATE = 4/12/2016	DATE - 02/05/2016	REVISED -

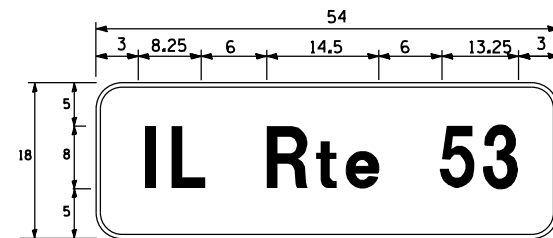
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

TRAFFIC SIGNAL CABLE PLAN
 ILLINOIS ROUTE 53 AND COAL CITY ROAD

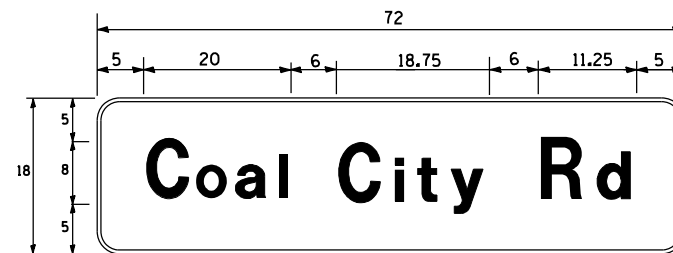
SCALE: N.T.S. SHEET 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	307
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	6.75	1	ZZ	2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D	9	1	ZZ	2

SCHEDULE OF QUANTITIES

ITEM	UNIT	TOTAL
SIGN PANEL - TYPE 1	SQ FT	32
SERVICE INSTALLATION - POLE MOUNTED	EACH	1
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2" DIA.	FOOT	1,095
UNDERGROUND CONDUIT, GALVANIZED STEEL, 2 1/2" DIA.	FOOT	52
UNDERGROUND CONDUIT, GALVANIZED STEEL, 3" DIA.	FOOT	202
UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA.	FOOT	783
HANDHOLE	EACH	4
HEAVY-DUTY HANDHOLE	EACH	8
DOUBLE HANDHOLE	EACH	2
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 3C	FOOT	914
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 5C	FOOT	4,517
ELECTRIC CABLE IN CONDUIT, SIGNAL NO. 14 7C	FOOT	825
ELECTRIC CABLE IN CONDUIT, LEAD-IN, NO. 14 1 PAIR	FOOT	2,444
ELECTRIC CABLE IN CONDUIT, RAILROAD, NO. 14 3C	FOOT	231
ELECTRIC CABLE IN CONDUIT, SERVICE, NO. 6 2 C	FOOT	46
ELECTRIC CABLE IN CONDUIT, EQUIPMENT GROUNDING CONDUCTOR, NO. 6 1C	FOOT	1,153
TRAFFIC SIGNAL POST, GALVANIZED STEEL 12 FT.	EACH	1
TRAFFIC SIGNAL POST, GALVANIZED STEEL 14 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 22 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 24 FT.	EACH	2
STEEL MAST ARM ASSEMBLY AND POLE, 38 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 46 FT.	EACH	1
STEEL MAST ARM ASSEMBLY AND POLE, 50 FT.	EACH	1
CONCRETE FOUNDATION, TYPE A	FOOT	8
CONCRETE FOUNDATION, TYPE C	FOOT	4
CONCRETE FOUNDATION, TYPE E 30-INCH DIAMETER	FOOT	30
CONCRETE FOUNDATION, TYPE E 36-INCH DIAMETER	FOOT	39
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, MAST-ARM MOUNTED	EACH	13
SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	7
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
SIGNAL HEAD, LED, 1-FACE, 4-SECTION, MAST-ARM MOUNTED	EACH	2
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 3-SECTION, BRACKET MOUNTED	EACH	1
OPTICALLY PROGRAMMED SIGNAL HEAD, LED, 1-FACE, 4-SECTION, BRACKET MOUNTED	EACH	1
TRAFFIC SIGNAL BACKPLATE, LOUVERED, FORMED PLASTIC	EACH	15
INDUCTIVE LOOP DETECTOR	EACH	10
DETECTOR LOOP, TYPE I	FOOT	1,147
LIGHT DETECTOR	EACH	4
LIGHT DETECTOR AMPLIFIER	EACH	1
EMERGENCY VEHICLE PRIORITY SYSTEM LINE SENSOR CABLE, NO. 20 3/C	FOOT	914
RAILROAD, FULL-ACTUATED CONTROLLER AND TYPE SUPER P CABINET (SPECIAL)	EACH	1
UNINTERRUPTIBLE POWER SUPPLY, SPECIAL	EACH	1
RAILROAD PROTECTIVE LIABILITY INSURANCE	L SUM	0.5

FILE NAME = c:\ywork\king\erin.swanson\transportation\1511\1511\022823-akt-ts-03-500-Street-Name-Sign-Design-210205.dgn



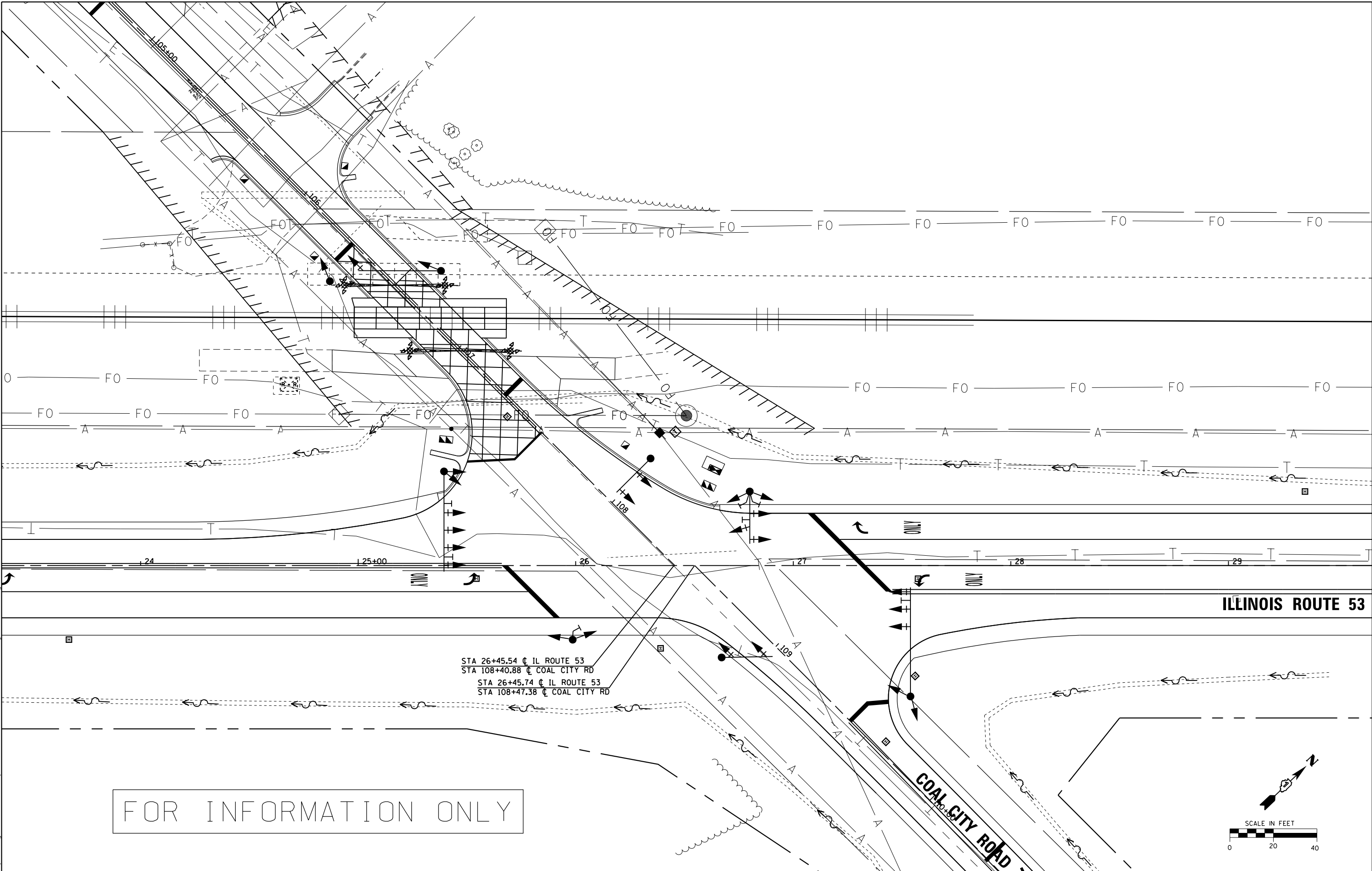
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	DRAWN - KMO	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

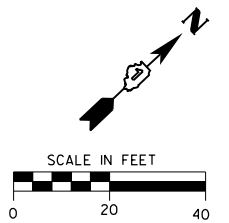
**MAST ARM MOUNTED STREET NAME SIGNS
AND SCHEDULE OF QUANTITIES
ILLINOIS ROUTE 53 AND COAL CITY ROAD**

SCALE: N.T.S. SHEET 3 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	308
			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				



FOR INFORMATION ONLY



FILE NAME = c:\yewerking\erin.swanson\transportation\1151\1151\1151\0162833-akt-ts_04-Utility_Plan-20160505.dwg



USER NAME = Erin.Swanson	DESIGNED - KMO	REVISED -
DRAWN - KMO	REVISIONS -	
PLOT SCALE = 40.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**UTILITY PLAN
ILLINOIS ROUTE 53 AND COAL CITY ROAD**

SCALE: 1" = 20' SHEET 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	309
				CONTRACT NO. 62B33
<small>ILLINOIS FED. AID PROJECT</small>				

SEQUENCE OF OPERATION

MOVEMENT																									FLASH												
	1 + 5						1 + 6			2 + 5			2 + 6						3			4															
PHASE																																					
INTERVAL	1	2A	2B	3A	3B	4A	4B	5	6A	6B	7	8A	8B	9	10A	10B	11A	11B	12A	12B	13A	13B	14A	14B	15	16A	16B	17	18A	18B	18C	18D	19A	19B	19C	19D	
CHANGE TO			1 + 6		2 + 5		2 + 6		2 + 6			2 + 6			1 + 5			1 + 6			2 + 5		3		4		4, 1 + 5 2 + 5 1 + 6 2 + 6			1 + 5 2 + 5			1 + 6 2 + 6				
ILLINOIS ROUTE 53 FAR LEFT AND LEFT MAST ARM SIGNALS S/B	←G	←G	←G	←Y	←R	←Y	←R	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
ILLINOIS ROUTE 53 CENTER LEFT AND CENTER RIGHT MAST ARM AND LEFT NEAR REVERSE MAST ARM SIGNALS S/B	R	R	R	R	R	R	R	G	G	G	R	R	R	G	Y	R	G	G	Y	R	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS S/B	→R	→R	→R	→R	→R	→R	→R	→G	→G	→G	→R	→R	→R	→G	→Y	→R	→G	→G	→Y	→R	→Y	→R	→G	→G	→R	→R	→R	→G	→G	→G	→Y	→R	→G	→G	→G	→G	→R
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS N/B	←G	←Y	←R	←G	←G	←Y	←R	←R	←R	←R	←G	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS N/B	R	R	R	R	R	R	R	R	R	R	G	G	G	G	Y	R	Y	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R
COAL CITY ROAD FAR LEFT AND LEFT MAST ARM SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	Y	R	R	R	R	R	R	R	R	R	R	R
COAL CITY ROAD RIGHT MAST ARM AND NEAR RIGHT SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	R	R	R	R	R	R	R	R
COAL CITY ROAD (PRE-SIGNAL) ALL SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	Y	R	R	R	Y	R	R	R	R
COAL CITY ROAD (EAST OF TRACKS) FAR LEFT AND LEFT MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	←G	←G	←G	Y	R	←G	←G	Y	R	R
COAL CITY ROAD (EAST OF TRACKS) RIGHT MAST ARM SIGNAL E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	G	G	G	Y	R	G	G	Y	R	R

PHASES 2 AND 6 SHALL BE PLACED ON RECALL.

FILE NAME = c:\ywork\hug\nick.becker\transportation\dm11511\022833-111-1-05-Sequence of Operation-201605.dgn



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DRAWN - KMO	REVISIONS -	
PLOT SCALE = 40.0000 ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**TRAFFIC SIGNAL SEQUENCE OF OPERATION
ILLINOIS ROUTE 53 AND COAL CITY ROAD**

SCALE: 1" = 20' SHEET 5 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	310
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER	1		1		1		5		5		7		7		9		9		9		15		15		17		17		17		PREEMPTOR 3	PREEMPTOR 4	PREEMPTOR 5	PREEMPTOR 6	CLEAR TO NORMAL SEQUENCE
	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	1W	1X	1Y	1Z	1AA	1BB	1CC	1C	2	3	4	5			
CHANGE TO EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	3 OR 5	1F	4	1H	2, 3 OR 5	4	2	1M	3, 4 OR 5	1P	2	1R	3 OR 5	1T	4	1V	2, 3 OR 4	5	1Y	2 OR 5	1AA	3	1CC	4								
ILLINOIS ROUTE 53 FAR LEFT AND LEFT MAST ARM SIGNALS S/B	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	◇	
ILLINOIS ROUTE 53 CENTER LEFT AND CENTER RIGHT MAST ARM AND LEFT NEAR REVERSE MAST ARM SIGNALS S/B	R	R	R	R	R	R	Y	R	G	R	R	R	Y	R	Y	R	G	G	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◇	
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS S/B	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	→	◇	
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS N/B	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	←	◇	
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS N/B	R	R	R	R	R	R	R	R	R	G	Y	R	G	G	Y	R	Y	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	◇	
COAL CITY ROAD FAR LEFT AND LEFT MAST ARM SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	←G	R	R	R	R	R	R	R	R	R	R	R	R	←G	◇
COAL CITY ROAD RIGHT MAST ARM AND NEAR RIGHT SIGNALS W/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	R	R	R	R	R	R	R	R	R	R	R	R	G	◇
COAL CITY ROAD (PRE-SIGNAL) ALL SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	G	Y	R	R	R	R	R	R	R	◇
COAL CITY ROAD (EAST OF TRACKS) FAR LEFT AND LEFT MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	←G	←G	Y	R	R	←G	R	R	R	R	◇	
COAL CITY ROAD (EAST OF TRACKS) RIGHT MAST ARM SIGNAL E/B	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	R	Y	R	G	G	Y	R	R	R	R	R	R	R	◇	

◇ EMERGENCY VEHICLE PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY A DIFFERENT EMERGENCY VEHICLE INTERVAL AFTER EMERGENCY VEHICLE INTERVAL 2, 3, 4, OR 5 IS TERMINATED.

FILE NAME: c:\ywork\hunting\nick.becker\transportation\dm1\11\0162B33-111-1-06-FVP_Sequence-201605E.dgn



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DRAWN - KMO	REVISIONS -	
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PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION
ILLINOIS ROUTE 53 AND COAL CITY ROAD**

SCALE: SHEET 6 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 311
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

RAILROAD PREEMPTION SEQUENCE OF OPERATION

CHANGE FROM NORMAL SEQUENCE OF OPERATION INTERVAL NUMBER																		PREEMPTOR NUMBER 3	PREEMPTOR NUMBER 4	PREEMPTOR NUMBER 5	PREEMPTOR NUMBER 6	PREEMPTOR NUMBER 2										
	1	5	7	9	15	17																										
CHANGE FROM EMERGENCY VEHICLE PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER																		2	3	4	5											
RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1A	1B	1C	1D	1E	1F	1G	1H	1J	1K	1L	1M	1N	1P	1Q	1R	1S	1T	1U	1V	2	3	4	5	CLEAR TO NORMAL SEQUENCE							
CHANGE TO RAILROAD PREEMPTION SEQUENCE OF OPERATION INTERVAL NUMBER	1B	2	1D	2	1F	2	1H	2	1K	2	1M	2	1P	2	1R	2	1T	2	1V	2	3	4	5									
ILLINOIS ROUTE 53 FAR LEFT AND LEFT MAST ARM SIGNALS S/B	←Y	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	△							
ILLINOIS ROUTE 53 CENTER LEFT AND CENTER RIGHT MAST ARM AND LEFT NEAR REVERSE MAST ARM SIGNALS S/B	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	G	△							
ILLINOIS ROUTE 53 RIGHT MAST ARM, FAR RIGHT, RIGHT NEAR REVERSE MAST ARM, AND NEAR RIGHT SIGNALS S/B	→R	→R	→Y	→R	→R	→R	→Y	→R	→R	→R	→Y	→R	→R	→R	→R	→R	→Y	→R	→R	→R	→R	→R	→R	→R	△							
ILLINOIS ROUTE 53 FAR LEFT, FAR LEFT REVERSE MAST ARM, AND LEFT MAST ARM SIGNALS N/B	←Y	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←Y	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	←R	△							
ILLINOIS ROUTE 53 CENTER AND RIGHT MAST ARM AND NEAR RIGHT SIGNALS N/B	R	R	R	R	Y	R	Y	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	R	G	△							
COAL CITY ROAD FAR LEFT AND LEFT MAST ARM SIGNALS W/B	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	△							
COAL CITY ROAD RIGHT MAST ARM AND NEAR RIGHT SIGNALS W/B	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	R	R	R	R	Y	R	R	R	R	R	△							
COAL CITY ROAD (PRE-SIGNAL) ALL SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	Y	R	R	R	Y	R	R	R	R	R	R	R	R	R	△							
COAL CITY ROAD (EAST OF TRACKS) FAR LEFT AND LEFT MAST ARM SIGNALS E/B	R	R	R	R	R	R	R	R	R	R	←G	←G	R	R	←G	←G	R	R	R	R	←G	Y	R	R	△							
COAL CITY ROAD (EAST OF TRACKS) RIGHT MAST ARM SIGNAL E/B	R	R	R	R	R	R	R	R	R	R	G	G	R	R	G	G	R	R	R	R	G	Y	R	R	△							

HOLD

△ RAILROAD PREEMPTION SEQUENCE SHALL PROVIDE THE PROPER CLEARANCE INTERVAL TO RESUME THE NORMAL SEQUENCE OF OPERATION OR PROPER CLEARANCE INTERVAL TO DISPLAY AN EMERGENCY VEHICLE INTERVAL (IF APPLICABLE) AFTER RAILROAD INTERVAL 5 IS TERMINATED.

FILE NAME = c:\ywork\ch\mick.becker\transportation\dm1151\0162833-111-t.s.07-RR Sequence of Operation-200505.dgn



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	DRAWN - KMO	REVISED -
PLOT SCALE = 40.0000 Ft / in.	CHECKED - MJL	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**RAILROAD PREEMPTION SEQUENCE OF OPERATION
ILLINOIS ROUTE 53 AND COAL CITY ROAD**

SCALE: 1" = 20' SHEET 7 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	312
CONTRACT NO. 62B33				
ILLINOIS FED. AID PROJECT				

TRAFFIC SIGNAL LEGEND

ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED	ITEM	REMOVAL	EXISTING	PROPOSED
CONTROLLER CABINET				EMERGENCY VEHICLE LIGHT DETECTOR				ELECTRIC CABLE IN CONDUIT, TRACER, NO. 14 1/C, UNLESS NOTED OTHERWISE			
RAILROAD CONTROL CABINET				CONFIRMATION BEACON				COAXIAL CABLE			
COMMUNICATIONS CABINET				HANDHOLE				VENDOR CABLE FOR CAMERA			
MASTER CONTROLLER				HEAVY DUTY HANDHOLE				COPPER INTERCONNECT CABLE, NO. 18 3 PAIR TWISTED, SHIELDED			
MASTER MASTER CONTROLLER				DOUBLE HANDHOLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F			
UNINTERRUPTABLE POWER SUPPLY				JUNCTION BOX				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM12F			
SERVICE INSTALLATION, (P) POLE OR (G) GROUND MOUNT				UNDERGROUND CONDUIT, GALVANIZED STEEL (UC)				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
TELEPHONE CONNECTION (P) POLE OR (G) GROUND MOUNT				TEMPORARY SPAN WIRE, TETHER WIRE, AND CABLE				FIBER OPTIC CABLE NO. 62.5/125, MM12F SM24F			
STEEL MAST ARM ASSEMBLY AND POLE				COMMON TRENCH				GROUND ROD AT (C) CONTROLLER, (H) HANDHOLE, (P) POST, (M) MAST ARM, OR (S) SERVICE			
ALUMINUM MAST ARM ASSEMBLY AND POLE				COILABLE NONMETALLIC CONDUIT (EMPTY)				CONTROLLER CABINET AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE				SYSTEM ITEM				STEEL MAST ARM POLE AND FOUNDATION TO BE REMOVED			
STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH PTZ CAMERA				INTERSECTION ITEM				ALUMINUM MAST ARM POLE AND FOUNDATION TO BE REMOVED			
SIGNAL POST				REMOVE ITEM				STEEL COMBINATION MAST ARM ASSEMBLY AND POLE WITH LUMINAIRE AND FOUNDATION TO BE REMOVED			
TEMPORARY WOOD POLE (CLASS 5 OR BETTER) 45 FOOT (13.7m) MINIMUM				RELOCATE ITEM				SIGNAL POST AND FOUNDATION TO BE REMOVED			
GUY WIRE				ABANDON ITEM				INTERSECTION & SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD				12" (300mm) TRAFFIC SIGNAL SECTION				SAMPLING (SYSTEM) DETECTOR			
SIGNAL HEAD CONSTRUCTION STAGES (NUMBERS INDICATE THE CONSTRUCTION STAGE)				12" (300mm) RED WITH 8" (200mm) YELLOW AND GREEN TRAFFIC SIGNAL FACE				QUEUE DETECTOR			
SIGNAL HEAD WITH BACKPLATE				SIGNAL FACE				PERFORMED QUEUE DETECTOR			
SIGNAL HEAD OPTICALLY PROGRAMMED				SIGNAL FACE WITH BACKPLATE, "P" INDICATES PROGRAMMED HEAD				PERFORMED INTERSECTION AND SAMPLING (SYSTEM) DETECTOR			
FLASHER INSTALLATION (S DENOTES SOLAR POWER)				"RB" INDICATES REFLECTIVE BACKPLATE				PERFORMED SAMPLING (SYSTEM) DETECTOR			
PEDESTRIAN SIGNAL HEAD				12" (300mm) PEDESTRIAN SIGNAL HEAD WALK/DON'T WALK SYMBOL							
PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, OUTLINED							
ACCESSIBLE PEDESTRIAN PUSHBUTTON DETECTOR				12" (300mm) PEDESTRIAN SIGNAL HEAD INTERNATIONAL SYMBOL, SOLID							
ILLUMINATED SIGN "NO LEFT TURN"				PEDESTRIAN SIGNAL HEAD, INTERNATIONAL SYMBOL, WITH COUNTDOWN TIMER							
ILLUMINATED SIGN "NO RIGHT TURN"				RADIO INTERCONNECT							
DETECTOR LOOP, TYPE I				RADIO REPEATER							
PERFORMED DETECTOR LOOP				DENOTES NUMBER OF CONDUCTORS, ELECTRIC CABLE NO. 14, UNLESS NOTED OTHERWISE, ALL DETECTOR LOOP CABLE TO BE SHIELDED							
MICROWAVE VEHICLE SENSOR				GROUND CABLE IN CONDUIT NO. 6 SOLID COPPER (GREEN)							
VIDEO DETECTION CAMERA											
VIDEO DETECTION ZONE											
PAN, TILT, ZOOM CAMERA											
WIRELESS DETECTOR SENSOR											
WIRELESS ACCESS POINT											

RAILROAD SYMBOLS

	EXISTING	PROPOSED
RAILROAD CONTROL CABINET		
RAILROAD CANTILEVER MAST ARM		
FLASHING SIGNAL		
CROSSING GATE		
CROSSBUCK		

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 USER NAME = footemj
 DESIGNED - DAG/BCK
 DRAWN - BCK
 CHECKED - DAD
 DATE - 10-28-09
 PLOT SCALE = 50.0000' / 1"



DESIGNED - DAG/BCK	REVISED - DAG 1-1-14
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CHECKED - DAD	REVISED -
DATE - 10-28-09	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

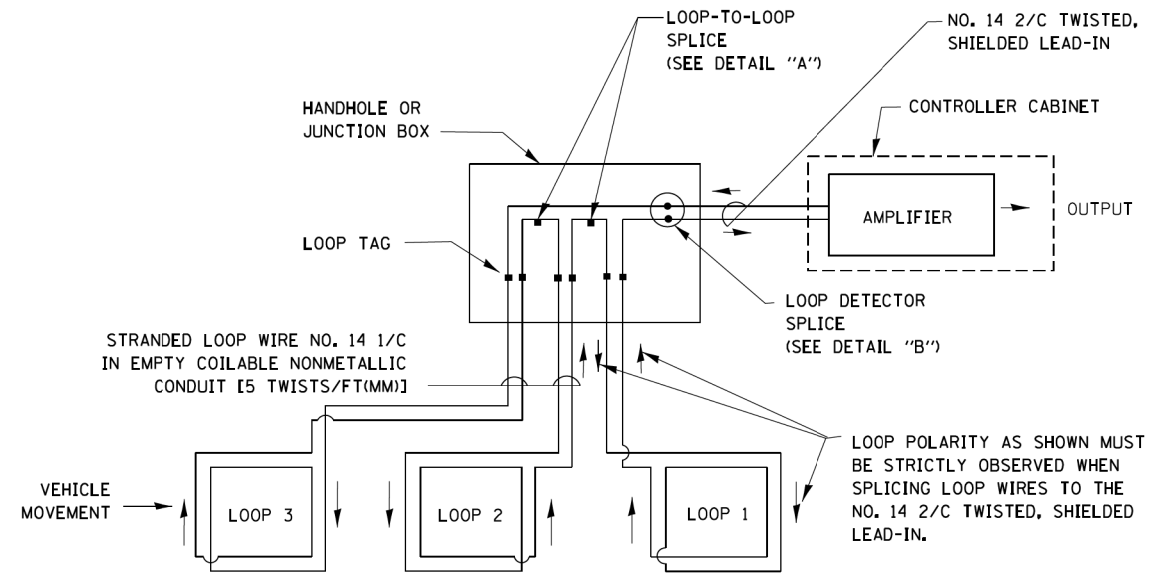
DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 313
TS-05			CONTRACT NO. 62B33	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SCALE: NONE SHEET NO. 1 OF 7 SHEETS STA. TO STA.

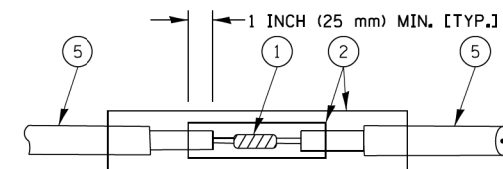
LOOP DETECTOR NOTES

1. EACH PAIR OF LOOP WIRES SHALL BE PLACED IN A SEPARATE EMPTY COILABLE NONMETALLIC CONDUIT FROM THE EDGE OF PAVEMENT TO THE HANDHOLE. SPACING BETWEEN THE HOLES DRILLED IN THE PAVEMENT SHALL NOT BE LESS THAN 6" (150 mm). EMPTY COILABLE NONMETALLIC CONDUIT SHALL BE INCLUDED IN THE COST OF THE LOOP WIRE.
2. THE NUMBER OF LOOP TURNS SHALL BE AS RECOMMENDED BY THE AMPLIFIER MANUFACTURER. ALL ADJACENT SIDES OF THE LOOPS SHALL BE INSTALLED IN SUCH A WAY THAT THE CURRENT FLOW IS IN THE SAME DIRECTION TO REINFORCE ITS MAGNETIC FIELDS FOR SMALL VEHICLE DETECTION.
3. EACH LOOP LEAD-IN SHALL BE IDENTIFIED AND PERMANENTLY TAGGED IN THE HANDHOLE. EACH LEAD-IN CABLE TAG SHALL INDICATE THE LOCATION OF THE LOOP, LOOP ROTATION (CLOCKWISE/COUNTERCLOCKWISE), LOOP LEAD-IN DIRECTION (IN OR OUT), LOOP CABLE NUMBER AND LOCATION IN CABINET, AND NUMBER OF TURNS IN THE DETECTOR LOOPS IN WATER PROOF INK AS INDICATED ON THE DISTRICT 1 STANDARD TRAFFIC SIGNAL DESIGN DETAIL. THE CONTRACTOR SHALL MARK LOOP LOCATIONS ON RECORD DRAWINGS AND PRESENT TO THE ENGINEER AFTER FINAL INSPECTION. LOOPS SHALL BE MARKED BY LANE AND LOOP NUMBER. SEE DETAIL BELOW.
4. ALL LOOP CABLE SHALL BE FASTENED WITH PLASTIC TIE WRAP TO THE HANDHOLE HOOKS.
5. IN ASPHALT PAVEMENT, LOOPS SHOULD BE PLACED IN THE BINDER AND DIVEHOLES MARKED AT THE CURB WITH A SAW-CUT. THE SAW-CUT SHALL BE CUT IN ACCORDANCE WITH LOCAL AND E.P.A. DUST CONTROL REQUIREMENTS. DETECTOR LOOP(S) SHALL NOT BE INSTALLED IN WET CONDITIONS AND THE SAW-CUTS MUST BE FREE OF DEBRIS AND RESIDUE SUCH AS DUST AND WATER WHICH IS TO BE ACHIEVED BY THE USE OF COMPRESSED AIR, WIRE BRUSHING AND HEAT DRYING ACCORDING TO SEALANT MANUFACTURER REQUIREMENTS. THE DETECTOR WIRE SHALL BE HELD IN PLACE BY THE USE OF FORM WEDGES. WEDGES SHALL BE SPACED NO MORE THAN 18" (450 mm) APART.
6. LOOP SPLICES SHALL BE SOLDERED USING A SOLDERING IRON. BLOW TORCHES OR OTHER DEVICES WHICH OXIDIZE COPPER CABLE SHALL NOT BE ALLOWED FOR SOLDERING OPERATIONS. SEE DETAIL BELOW RIGHT.
7. PREFORMED DETECTOR LOOPS SHALL BE USED, AS SHOWN ON THE PLANS, WHERE NEW CONCRETE PAVEMENT IS PROPOSED. THE INSTALLATION OF PREFORMED LOOPS SHALL BE IN ACCORDANCE WITH THE DISTRICT 1 SPECIFICATIONS OR AS DIRECTED BY THE ENGINEER.

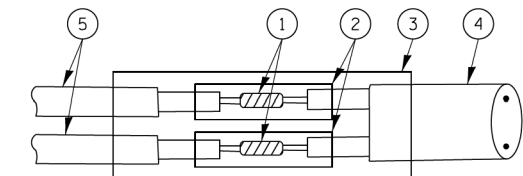


DETECTOR LOOP WIRING SCHEMATIC

- LOOPS SHALL BE SPLICED IN SERIES.
- SAW-CUTS SHALL BE A MINIMUM WIDTH OF 5/16" (8 mm).
- SAW-CUT DEPTHS SHALL BE 3" (75 mm). IF IN CONCRETE, THE SAW-CUT DEPTH SHALL BE TO THE TOP OF THE REINFORCEMENT.
- LOOP CORNERS SHALL BE DRILLED WITH A 2" (50 mm) DIAMETER CORE.

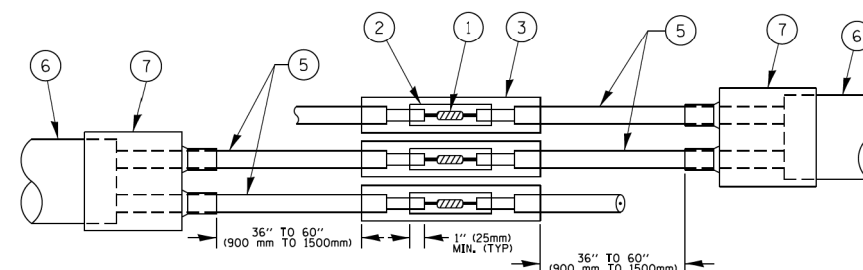


DETAIL "A"
LOOP-TO-LOOP SPLICE

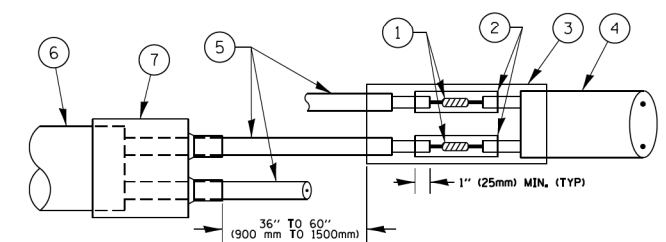


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

TYPE I LOOP



DETAIL "A"
LOOP-TO-LOOP SPLICE

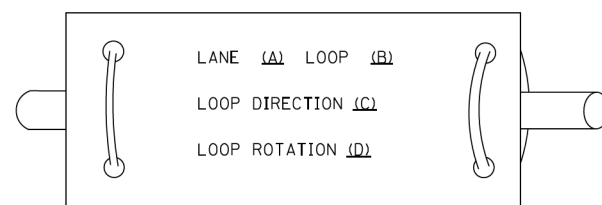


DETAIL "B"
LOOP-TO-CONTROLLER SPLICE

PREFORMED LOOP

LOOP DETECTOR SPLICE

LOOP LEAD-IN CABLE TAG



- A. LANE 1 IS THE LANE CLOSEST TO THE CENTERLINE OF THE ROADWAY
- B. LOOP #1 IS THE LOOP IN THE LANE CLOSEST TO THE INTERSECTION.
- C. LABEL LOOP CABLE "IN" OR LOOP CABLE "OUT".
- D. LABEL LOOP CABLE CLOCKWISE OR LOOP CABLE COUNTERCLOCKWISE.

- ① WESTERN UNION SPLICE SOLDERED WITH ROSIN CORE FLUX. ALL EXPOSED SURFACES OF THE SOLDER SHALL BE SMOOTH. THE WESTERN UNION SPLICES SHALL BE STAGGERED.
- ② WCSMW 30/100 HEAT SHRINK TUBE, MINIMUM LENGTH 3" (75 mm), UNDERWATER GRADE.
- ③ WCS 200/750 HEAT SHRINK TUBE, MINIMUM LENGTH 6" (150 mm), UNDERWATER GRADE.
- ④ NO. 14 2/C TWISTED, SHIELDED CABLE.

- ⑤ LOOP CONDUCTOR WITH FLEXIBLE PLASTIC TUBE.
- ⑥ PREFORMED LOOP
- ⑦ XL POLYOLEFIN 2 CONDUCTOR BREAKOUT SEALS, TYCO CBR-2 OR APPROVED EQUAL

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USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
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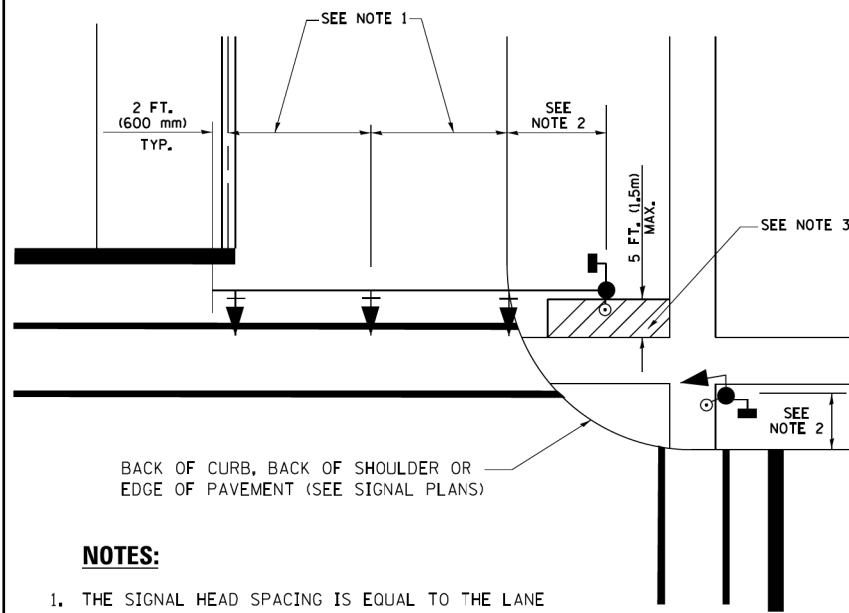
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 2 OF 7 SHEETS STA. TO STA.

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 314
TS-05		CONTRACT NO. 62B33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

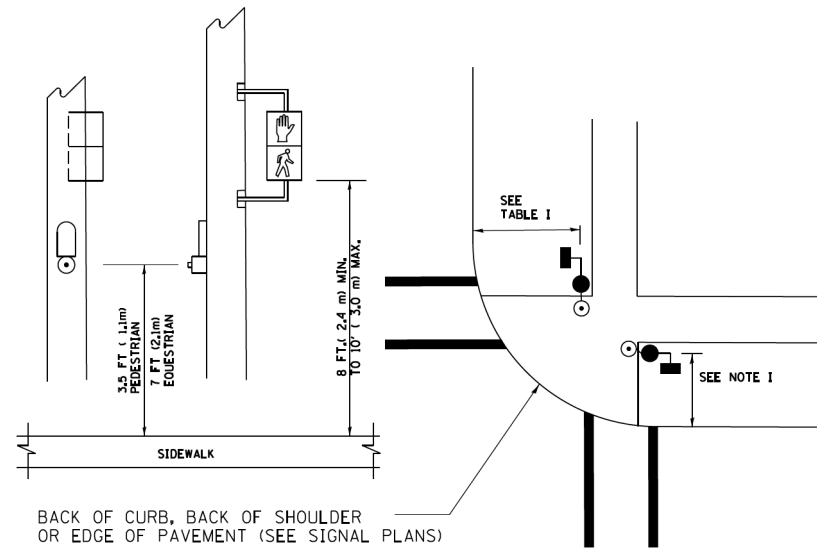
**TRAFFIC SIGNAL MAST ARM AND SIGNAL POST
MAST ARM MOUNTED SIGNALS IN EXISTING, PROPOSED OR
FUTURE SIDEWALK/BICYCLE PATH AREA. INTERSECTION SHOWN
WITH PEDESTRIAN SIGNALS AND PEDESTRIAN PUSHBUTTON DETECTORS.**



NOTES:

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

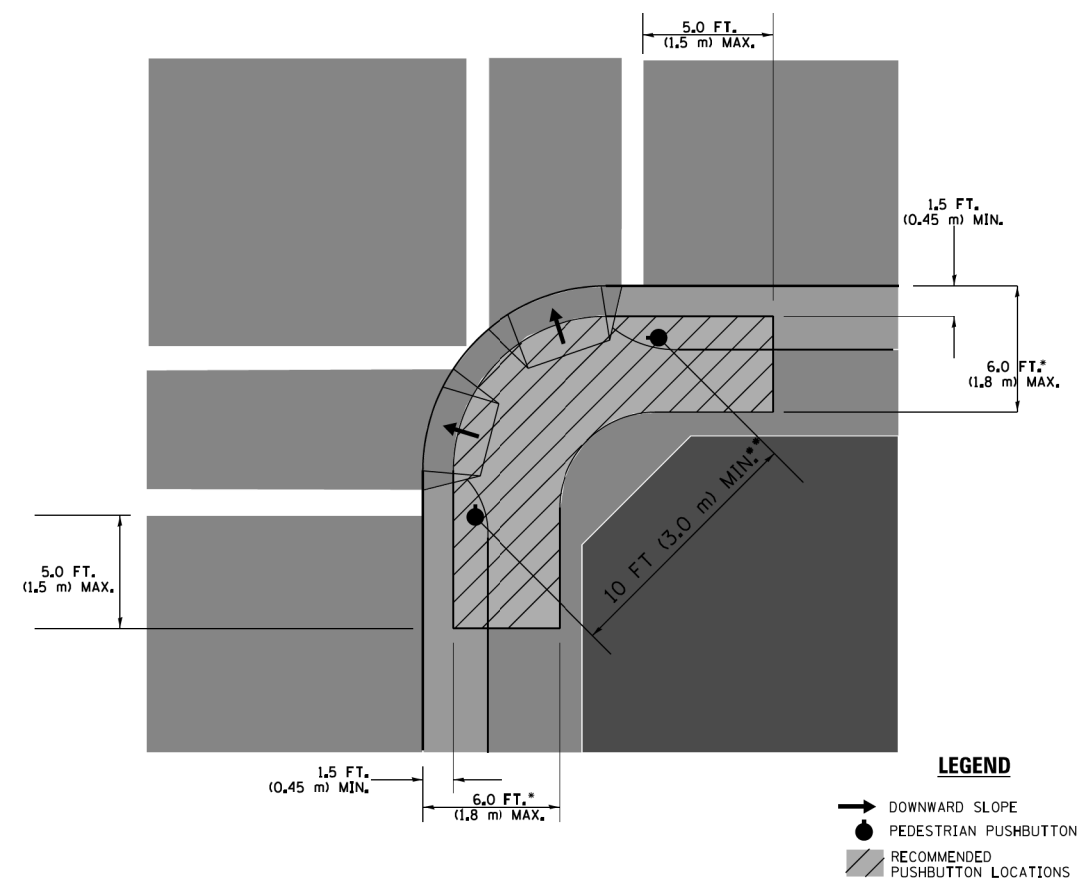
**PEDESTRIAN SIGNAL POST
AND
PEDESTRIAN PUSH BUTTON POST**



NOTES:

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

RECOMMENDED PUSHBUTTON LOCATIONS



LEGEND

- DOWNWARD SLOPE
- PEDESTRIAN PUSHBUTTON
- ▨ RECOMMENDED PUSHBUTTON LOCATIONS

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

NOTES:

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

TRAFFIC SIGNAL EQUIPMENT OFFSET

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

NOTES:

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

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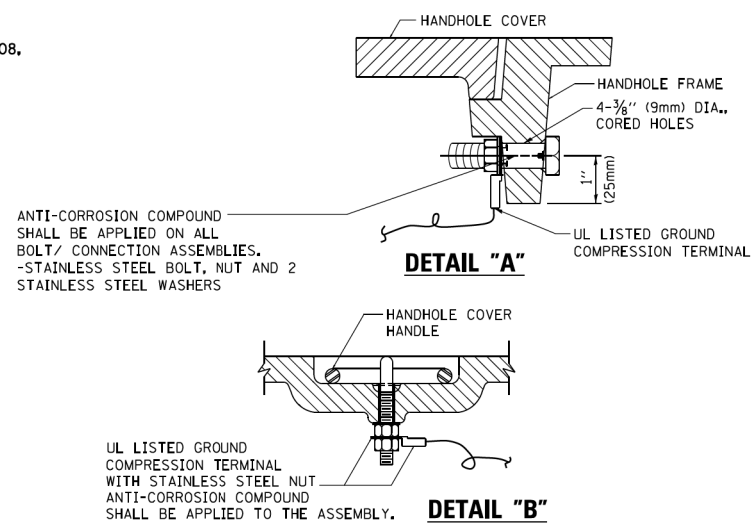
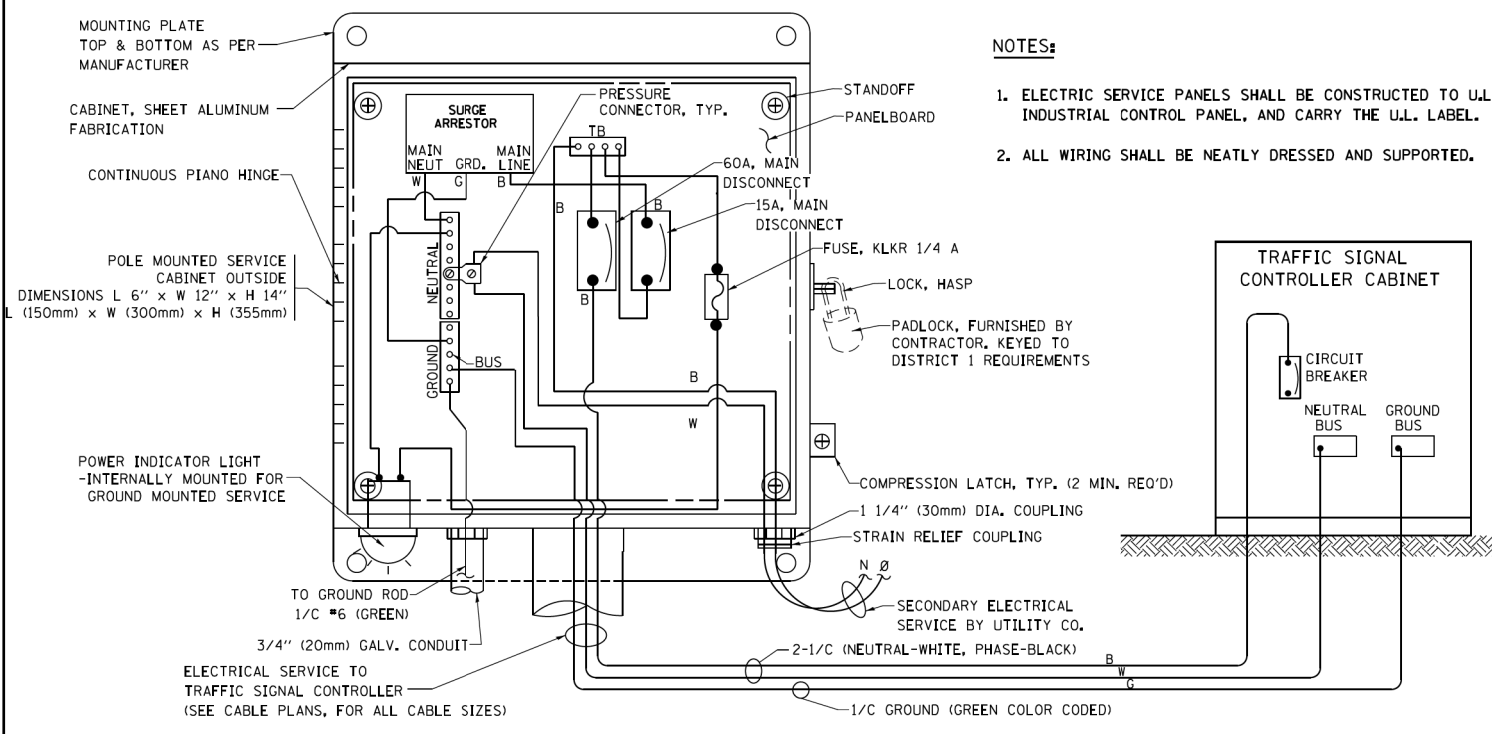


USER NAME = footemj	DESIGNED - DAD	REVISED - DAG 1-1-14
PLOT SCALE = 50.0000' / 1"	CHECKED - DAD	REVISED -
PLOT DATE = 1/13/2014	DATE - 10-28-09	REVISED -

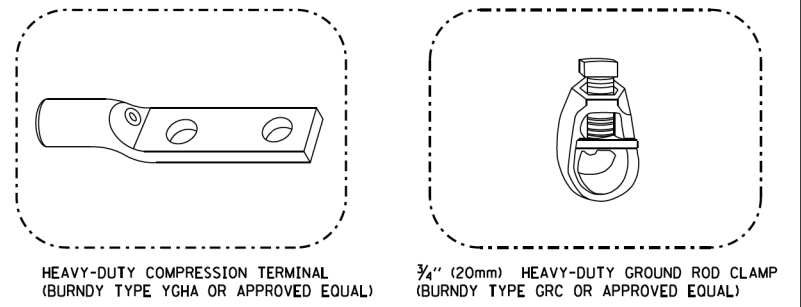
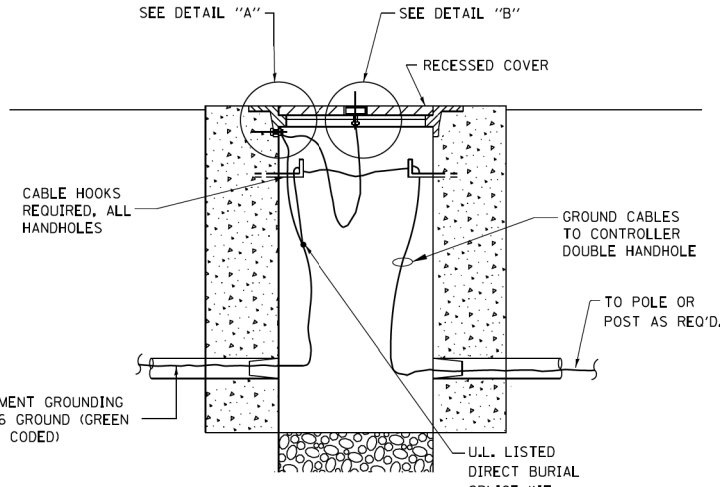
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 3 OF 7 SHEETS STA. TO STA.

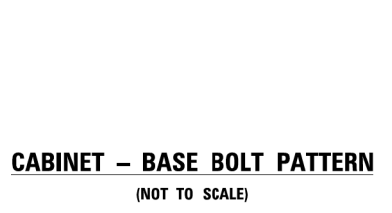
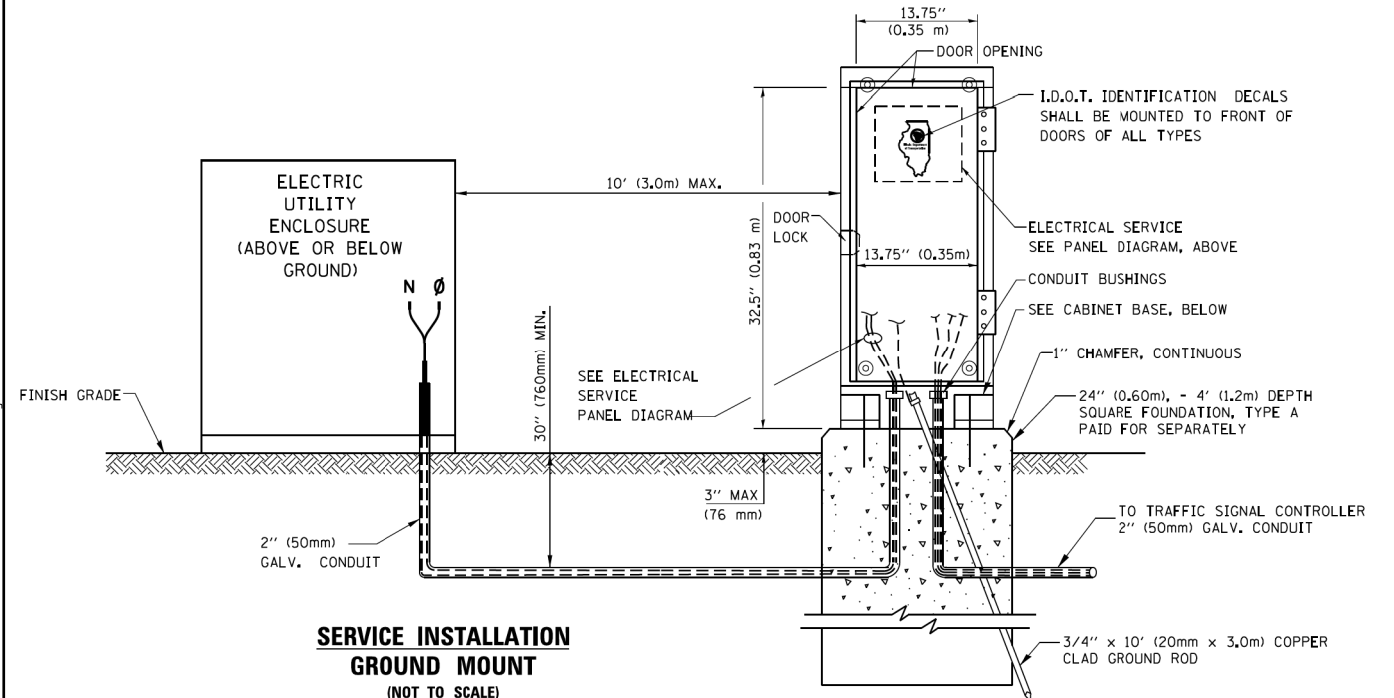
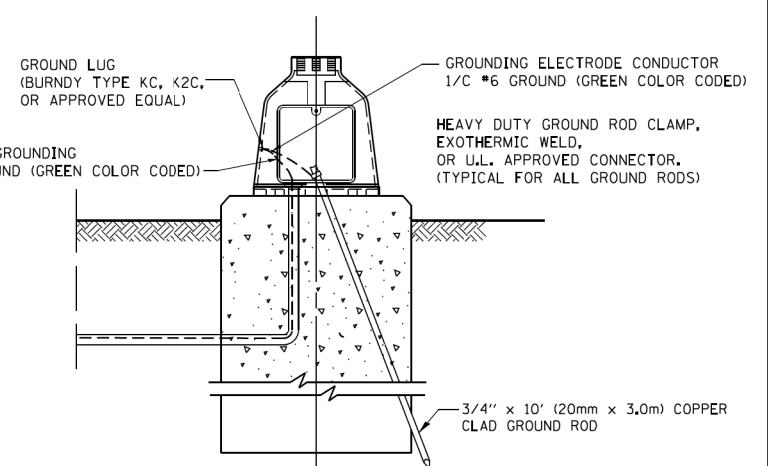
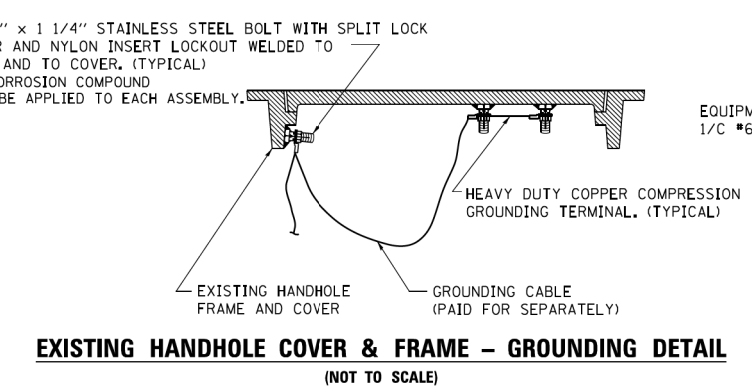
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	315
TS-05		CONTRACT NO. 62B33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



- NOTES:**
- GROUNDING SYSTEM**
- THE GROUNDING SYSTEM SHALL CONSIST OF AN INSULATED CONDUCTOR TYPE XLP, NO. 6 A.W.G., STRANDED COPPER TO BE INSTALLED IN RACEWAYS. THE GROUNDING CABLE SHALL BE INSTALLED IN A CONTINUOUS MANNER AS SHOWN ON THE CABLE PLAN ENCLOSED. ALL GROUNDING CONDUCTORS SHALL BE BONDED TO METAL ENCLOSURE (HANDHOLE, POST, MAST ARM, CONTROLLER, ETC.). GROUND ROD SHALL BE 3/4" DIA. x 10'-0" (20mm x 3.0m) LONG, COPPER CLAD, ONE GROUND ROD SHALL BE INSTALLED AT ALL POST FOUNDATIONS, POLE FOUNDATIONS, CONTROLLER CABINET FOUNDATION AND ELECTRICAL SERVICE INSTALLATION AS INDICATED ON THE CABLE PLAN. IF THERE ARE ANY SPECIAL CONDITIONS SUCH AS SUB-SURFACE CONDITIONS OR INSTALLATION PROBLEMS, THE RESIDENT ENGINEER SHALL BE NOTIFIED OR CONTACT THE BUREAU OF TRAFFIC, ILLINOIS DEPARTMENT OF TRANSPORTATION DISTRICT ONE AT (847) 705-4139.
 - THE NEUTRAL CONDUCTOR AND THE GROUND CONDUCTOR SHALL BE CONNECTED IN THE SERVICE INSTALLATION. AT NO OTHER POINT IN THE TRAFFIC SIGNAL SYSTEM SHALL THE NEUTRAL AND GROUND CONDUCTORS BE CONNECTED.
 - ALL EQUIPMENT GROUNDING CONDUCTORS SHALL TERMINATE AT THE GROUND BUS IN THE CONTROLLER CABINET.
 - THE CONTRACTOR SHALL PROVIDE A GROUND CABLE WITH CONNECTORS BETWEEN THE HANDHOLE COVER AND HANDHOLE FRAME.



- NOTES:**
- ALL CLAMPS SHALL BE BRONZE OR COPPER, UL APPROVED.
 - GROUND CABLE SHALL BE LOOPED OVER HOOKS IN THE HANDHOLES. 6.5' (2.0m) SLACK SHALL BE PROVIDED IN SINGLE HANDHOLES. 13' (4.0m) OF SLACK SHALL BE PROVIDED IN DOUBLE HANDHOLES. 5' (1.4m) OF SLACK SHALL BE PROVIDED BETWEEN FRAME AND COVER.



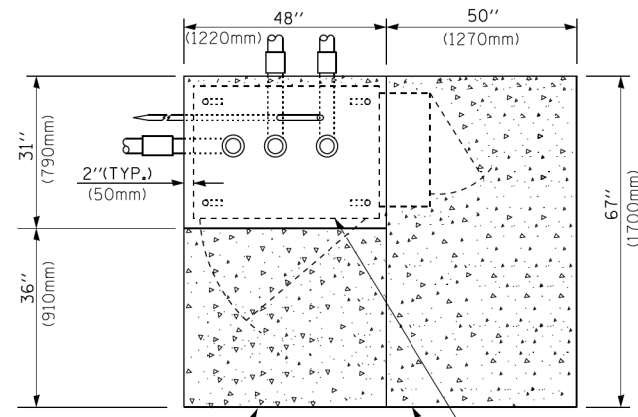
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**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

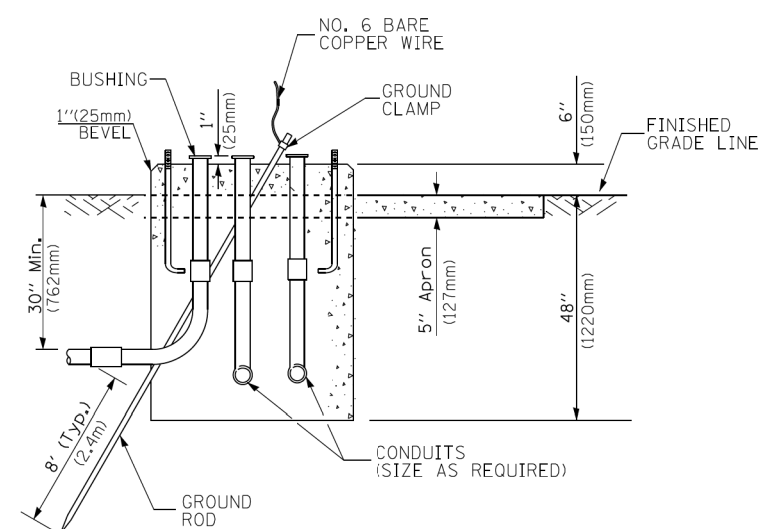
**DISTRICT ONE
 STANDARD TRAFFIC SIGNAL DESIGN DETAILS**

SCALE: NONE SHEET NO. 4 OF 7 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHRR2016-02&03	WILL	580	316
TS-05		CONTRACT NO. 62B33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



TOP VIEW



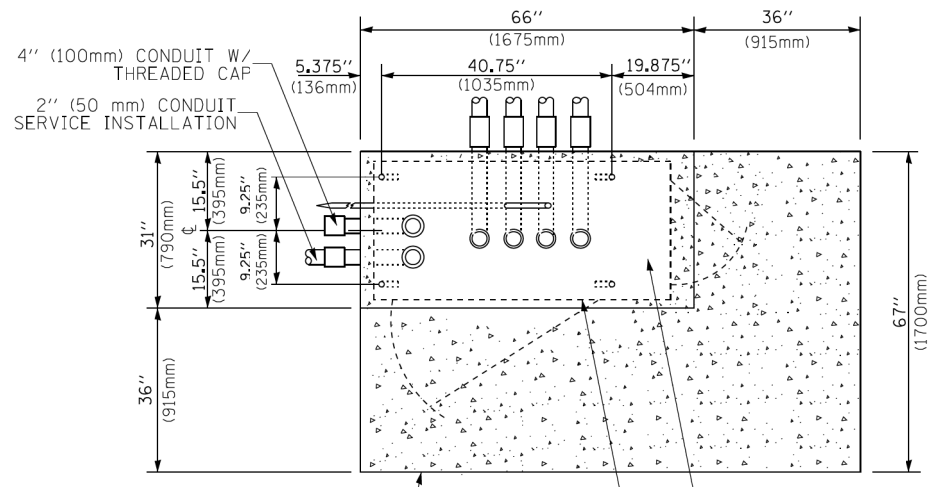
**TYPE D
FOR GROUND MOUNTED
CONTROLLER CABINET
AND UPS BATTERY CABINET**

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

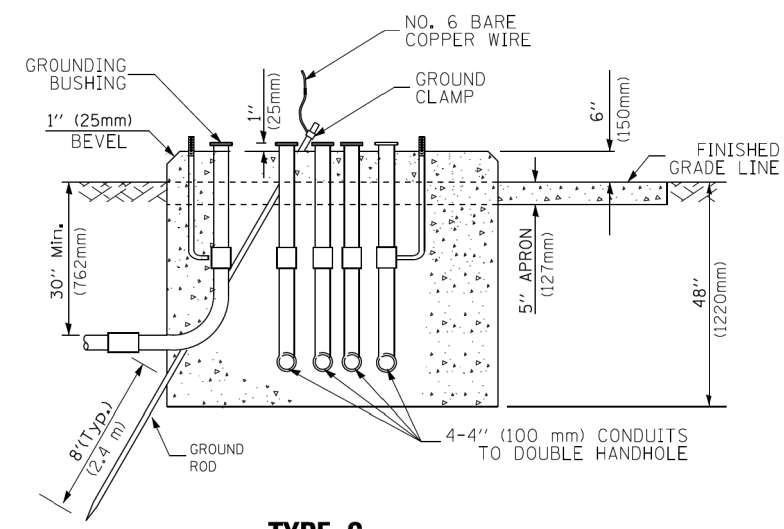
CABLE SLACK

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

VERTICAL CABLE LENGTH



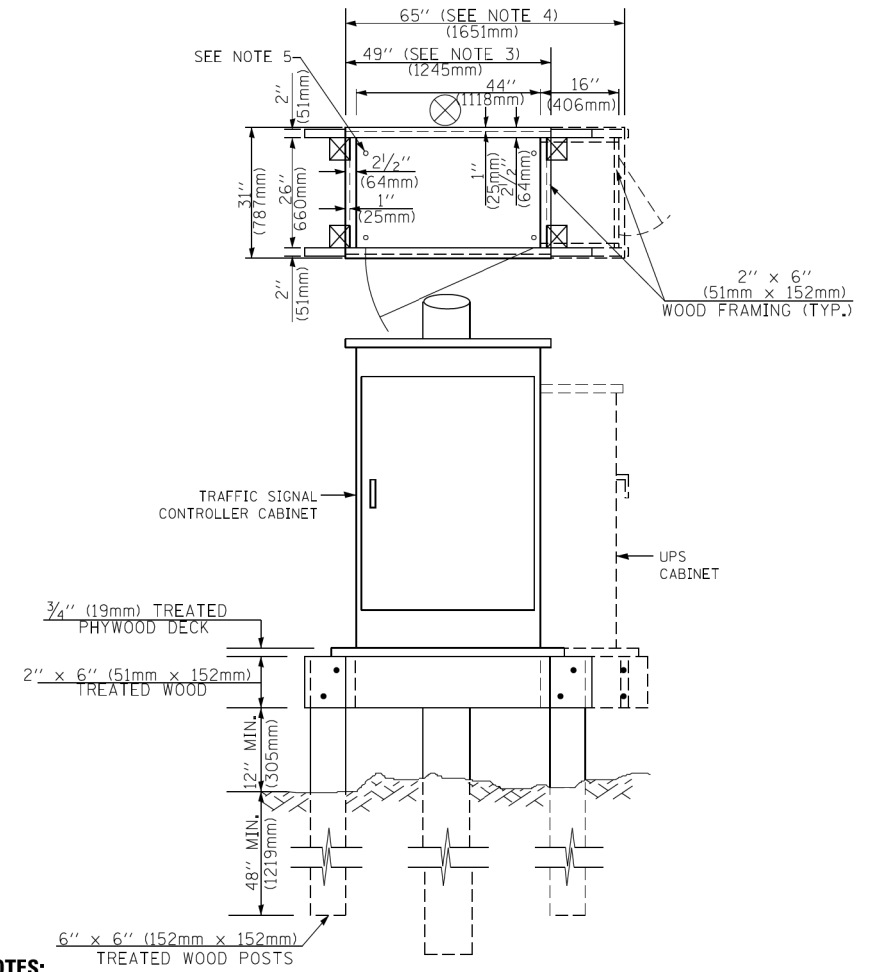
TOP VIEW



**TYPE C
FOR GROUND MOUNTED
SUPER P (TYPE IV) AND SUPER R (TYPE V)
CONTROLLER CABINETS**

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

DEPTH OF FOUNDATION



NOTES:

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

**TEMPORARY SIGNAL CONTROLLER
WOOD SUPPORT PLATFORM**

MAST ARM LENGTH	① FOUNDATION DEPTH	FOUNDATION DIAMETER	SPIRAL DIAMETER	QUANTITY OF REBARS	SIZE OF REBARS
Less than 30' (9.1 m)	10'-0" (3.0 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 30' (9.1 m) and less than 40' (12.2 m)	13'-6" (4.1 m)	30" (750mm)	24" (600mm)	8	6(19)
Greater than or equal to 40' (12.2 m) and less than 50' (15.2 m)	11'-0" (3.4 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 50' (15.2 m) and up to 55' (16.8 m)	13'-0" (4.0 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 55' (16.8 m) and less than 65' (19.8 m)	15'-0" (4.6 m)	36" (900mm)	30" (750mm)	12	7(22)
Greater than or equal to 65' (19.8 m) and less than 75' (22.9 m)	21'-0" (6.4 m)	42" (1060mm)	36" (900mm)	16	8(25)
Greater than or equal to 75' (22.9 m)	25'-0" (7.6 m)	42" (1060mm)	36" (900mm)	16	8(25)

NOTES:

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

DEPTH OF MAST ARM FOUNDATIONS, TYPE E

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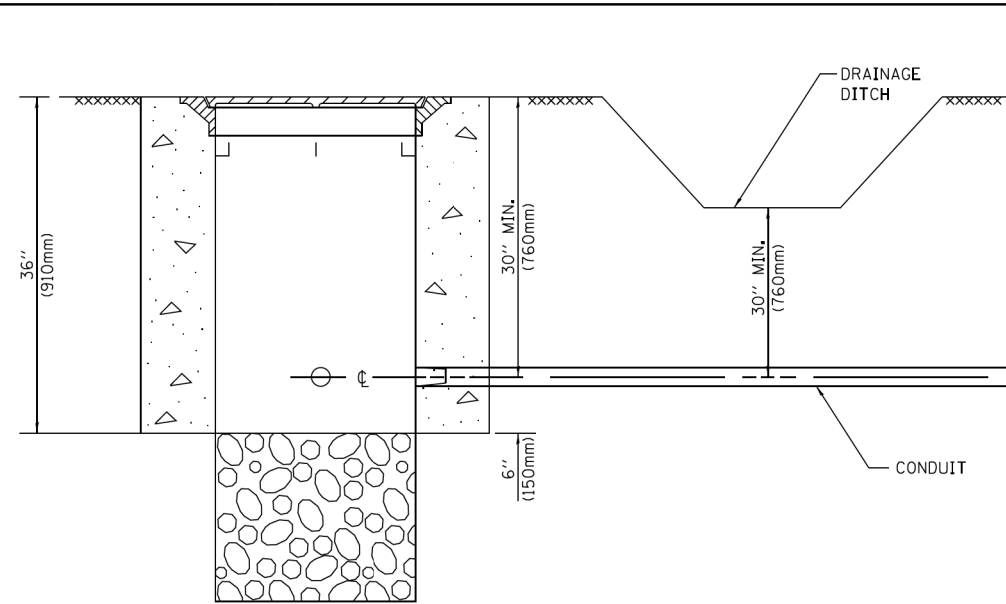


DESIGNED - DAG	REVISIONS - DAG 1-1-14
DRAWN - BCK	REVISIONS -
CHECKED - DAD	REVISIONS -
DATE - 10-28-09	REVISIONS -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE	
STANDARD TRAFFIC SIGNAL DESIGN DETAILS	
SCALE: NONE	SHEET NO. 5 OF 7 SHEETS STA. TO STA.

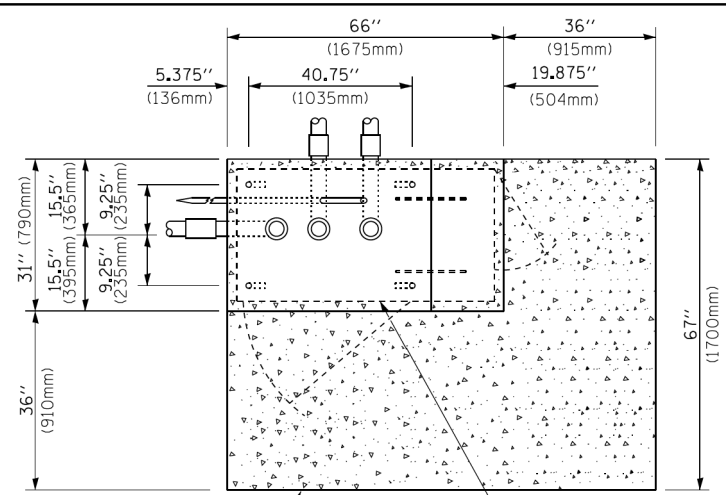
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TS-05		CONTRACT NO. 62B33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



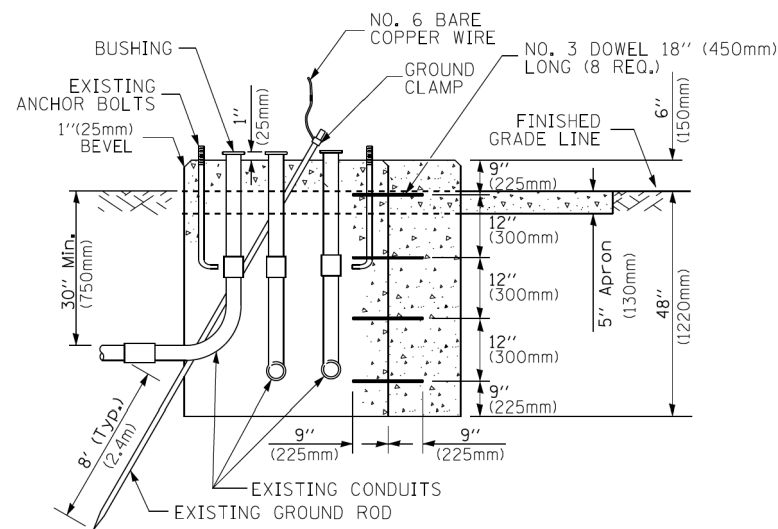
NOTES:

1. CONDUIT DEPTH SHALL BE A MINIMUM OF 30" (760mm) BELOW THE BOTTOM OF THE DRAINAGE DITCH OR ANY SLOPING GROUND
2. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL CONDUIT PLACED UNDER ROADWAY PAVEMENT, MULTI-USE PATHS, SIDEWALKS AND SOIL SURFACES.
3. THE MINIMUM CONDUIT DEPTH APPLIES TO ALL HANDHOLES, HEAVY DUTY HANDHOLES AND DOUBLE HANDHOLES.

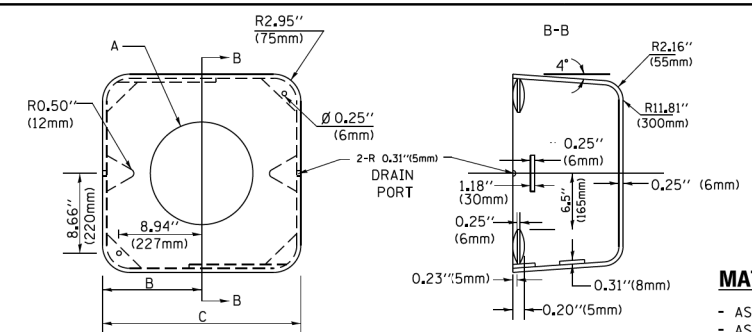
HANDHOLE WITH MINIMUM CONDUIT DEPTH
(NOT TO SCALE)



TOP VIEW
(NOT TO SCALE)



MODIFY EXISTING TYPE "D" FOUNDATION TO TYPE "C" FOUNDATION
(NOT TO SCALE)



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

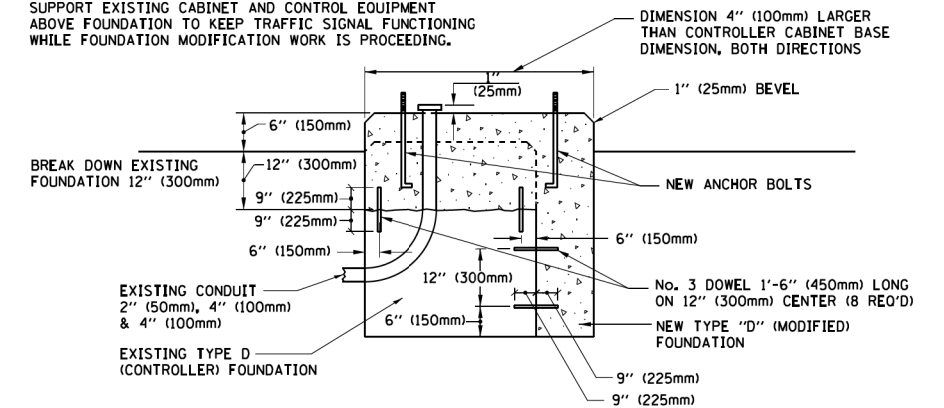
SHROUD

NOTES:

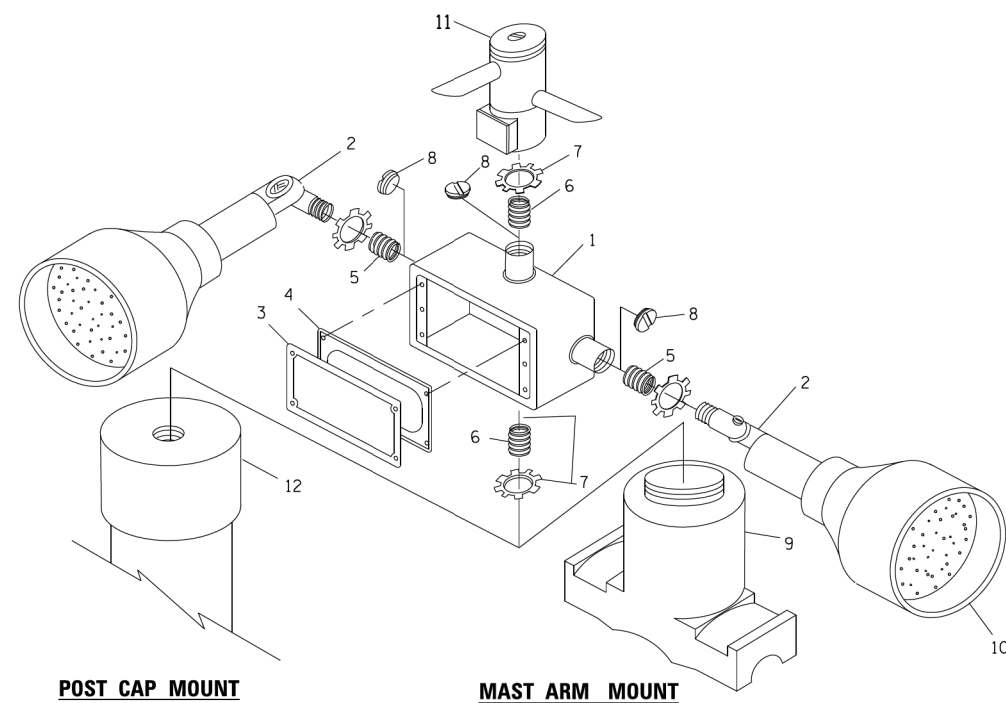
1. DIMENSION "A" IS EQUAL TO THE DIAMETER OF THE MAST ARM POLE AT THE TOP OF THE SHROUD. THE SHROUD SHALL BE TIGHT TO THE MAST ARM POLE.
2. THE SUPPLIER SHALL VERIFY THE ABOVE DIMENSIONS BASED ON MAST ARM REQUIREMENTS.
3. THE HEIGHT OF THE SHROUD SHALL COVER THE ANCHOR BOLTS, NUTS AND MAST ARM POLE BASE.

NOTE:

SUPPORT EXISTING CABINET AND CONTROL EQUIPMENT ABOVE FOUNDATION TO KEEP TRAFFIC SIGNAL FUNCTIONING WHILE FOUNDATION MODIFICATION WORK IS PROCEEDING.



MODIFY EXISTING TYPE "D" FOUNDATION

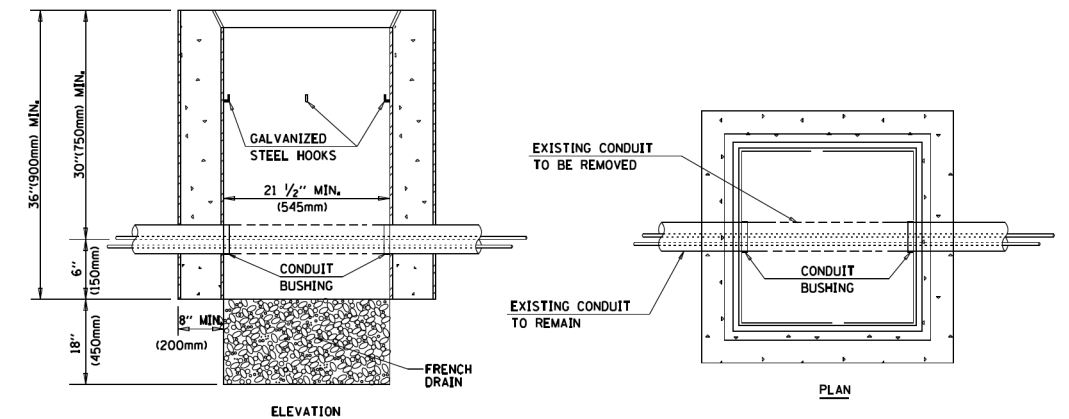


POST CAP MOUNT **MAST ARM MOUNT**
EMERGENCY VEHICLE DETECTOR WITH CONFIRMATION BEACON MOUNTING DETAIL

ITEM NO.	IDENTIFICATION
1	OUTLET BOX- GALV. 21 CU.IN. (0,000344 CU-M)
2	LAMP HOLDER AND COVER
3	OUTLET BOX COVER
4	RUBBER COVER GASKET
5	REDUCING BUSHING
6	3/4" (19 mm) CLOSE NIPPLE
7	3/4" (19 mm) LOCKNUT
8	3/4" (19 mm) HOLE PLUG
9	SADDLE BRACKET - GALV.
10	6 WATT PAR 38 LED FLOOD LAMP
11	DETECTOR UNIT
12	POST CAP [18 FT. (5.4 m) POST MIN.]

NOTES:

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



NOTES:

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

HANDHOLE TO INTERCEPT EXISTING CONDUIT



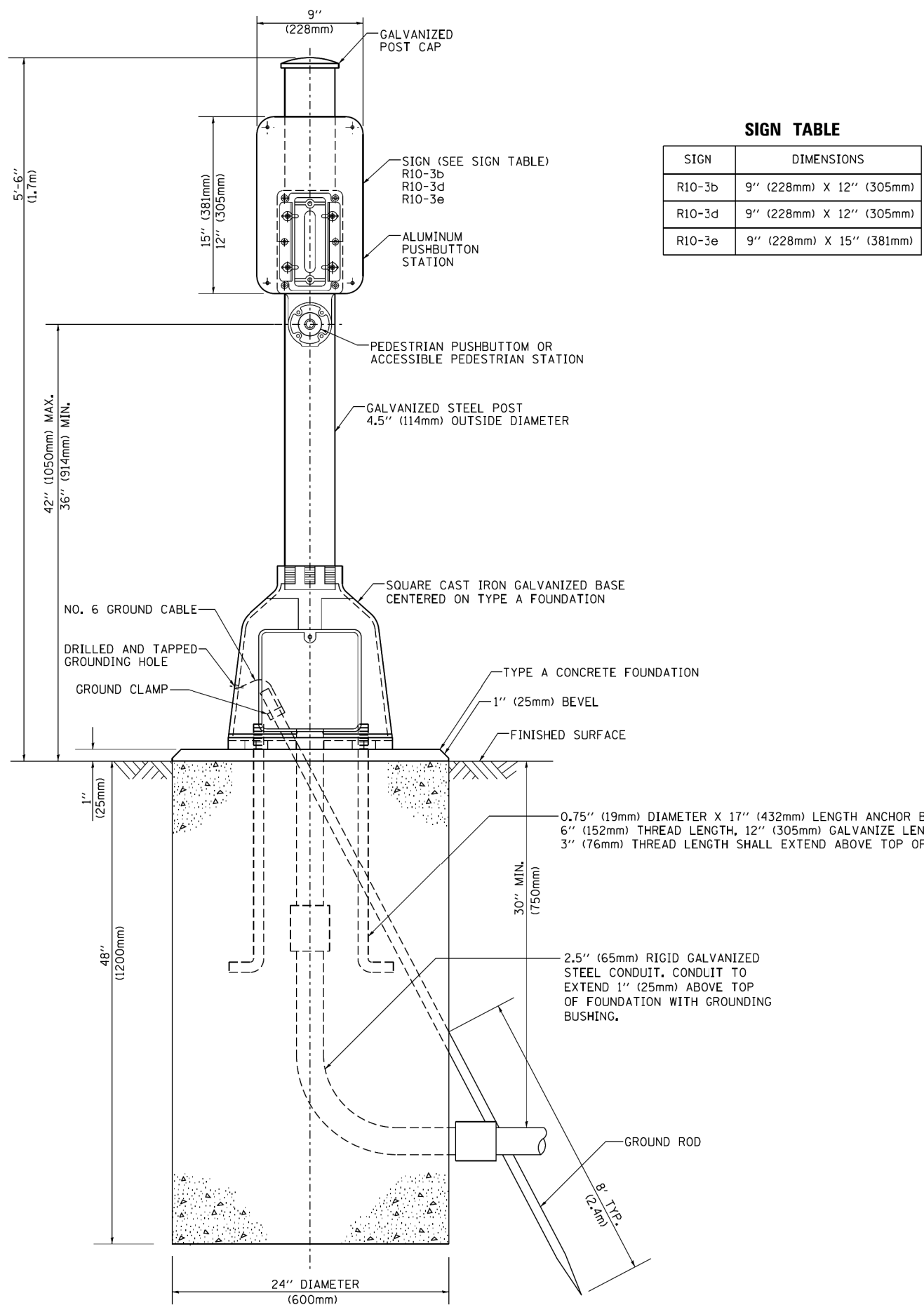
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DATE = 1/13/2014	PLOT SCALE = 50.0000' / 1"	DRAWN - BCK	REVISED -
		CHECKED - DAD	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE
STANDARD TRAFFIC SIGNAL DESIGN DETAILS

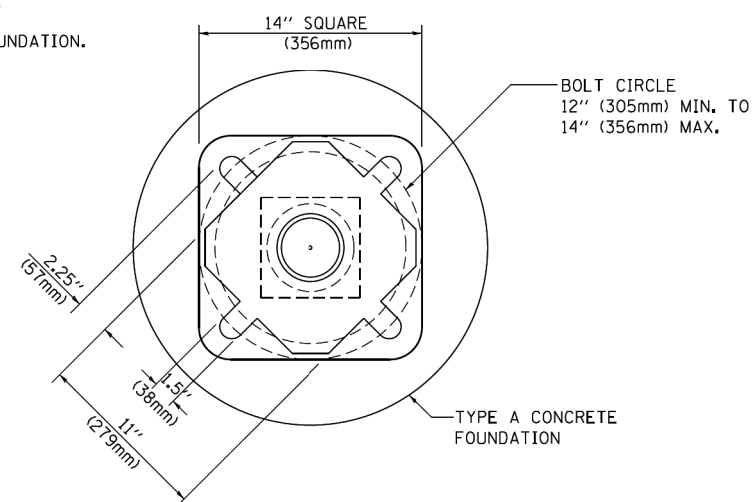
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	318
TS-05		CONTRACT NO. 62B33		
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



SIGN TABLE

SIGN	DIMENSIONS
R10-3b	9" (228mm) X 12" (305mm)
R10-3d	9" (228mm) X 12" (305mm)
R10-3e	9" (228mm) X 15" (381mm)



BOLT PATTERN

PEDESTRIAN PUSH BUTTON POST, TYPE A

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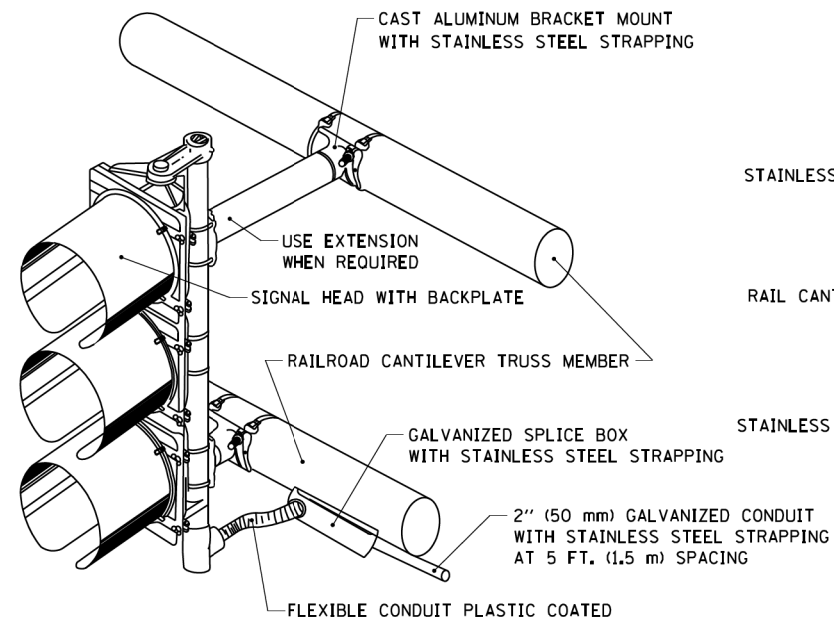


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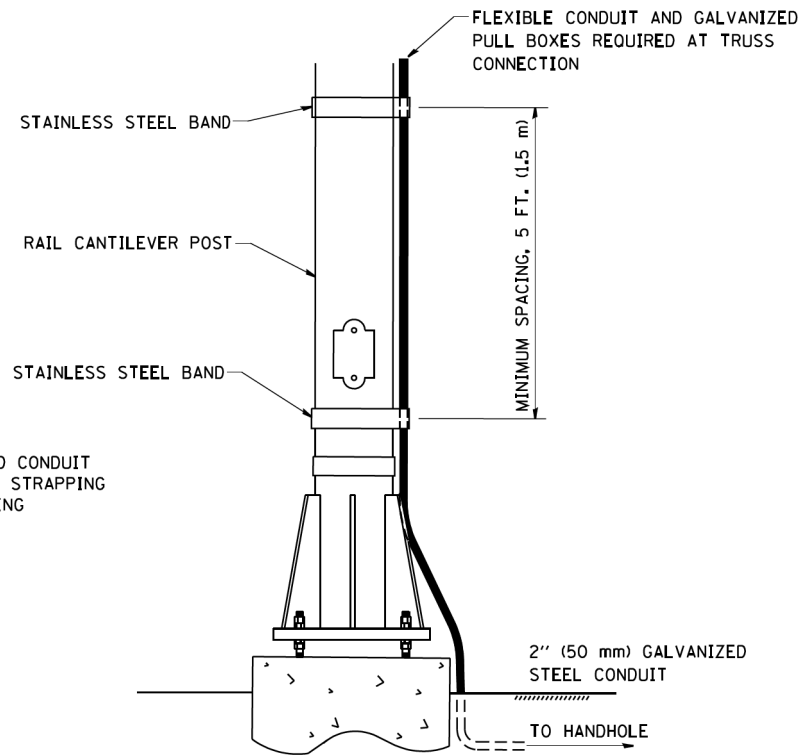
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

DISTRICT ONE			
STANDARD TRAFFIC SIGNAL DESIGN DETAILS			
SCALE: NONE	SHEET NO. 7 OF 7 SHEETS	STA.	TO STA.

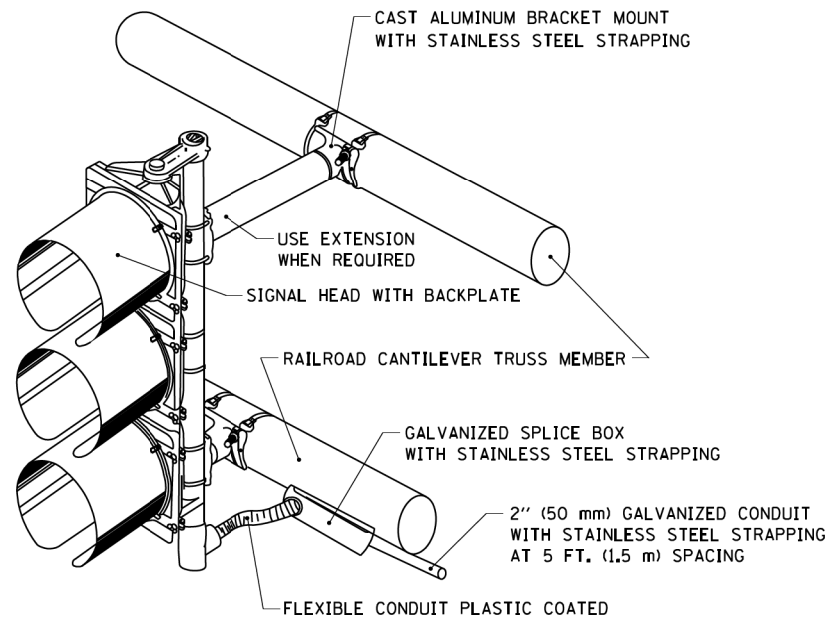
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846	DIHSRR2016-02&03	WILL	580	319
TS-05			CONTRACT NO. 62B33	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				



RAILROAD CANTILEVER SIGNAL HEAD MOUNTING

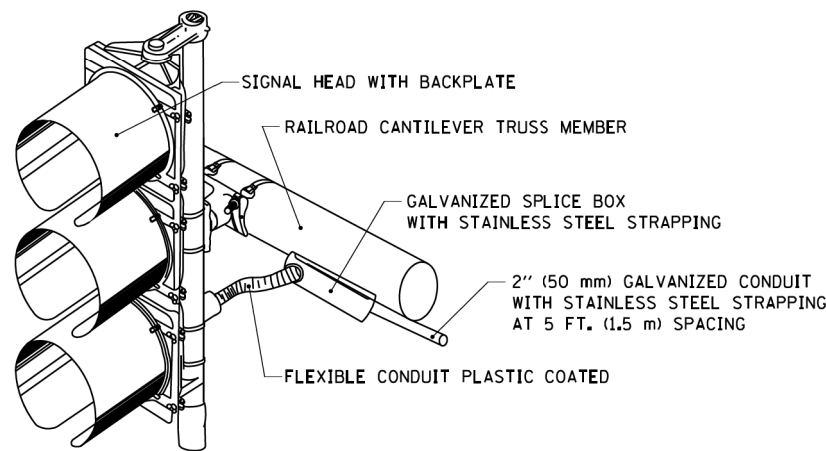


SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL



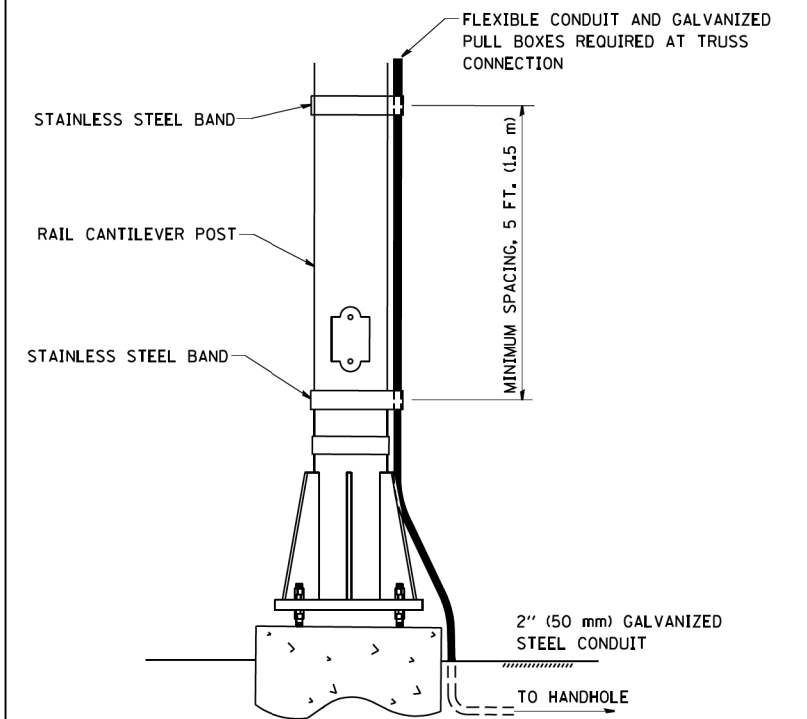
NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

RAILROAD CANTILEVER SIGNAL HEAD MOUNTING



NOTE: USE NONCONDUCTIVE SPACERS BETWEEN THE TRAFFIC SIGNAL EQUIPMENT AND THE RAILROAD CANTILEVER TO PREVENT DISSIMILAR METAL CORRSION.

SIGNAL CONDUIT CONNECTION TO RAIL CANTILEVER DETAIL

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 PLOT SCALE = 50.0000 / IN.
 PLOT DATE = 1/4/2008



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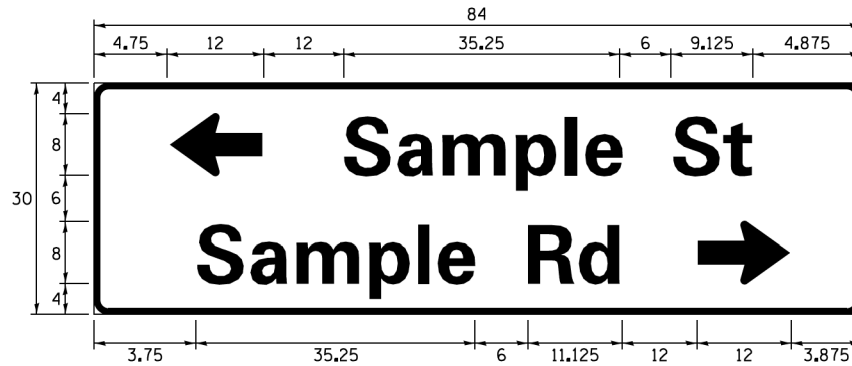
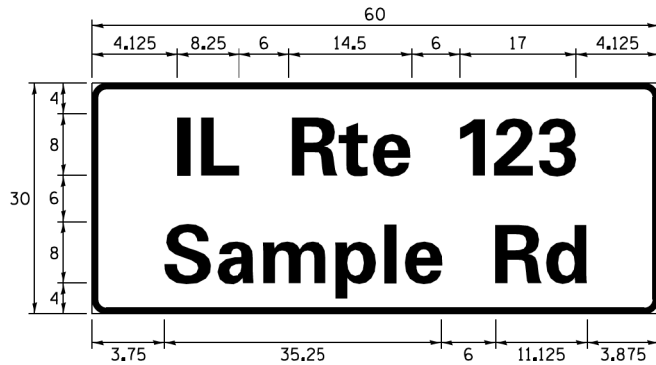
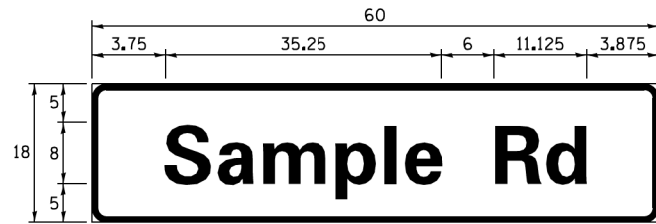
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RAILROAD CANTILEVER
SIGNAL HEAD MOUNTING DETAIL

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

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	320
TS-06			CONTRACT NO. 62B33	
FED. ROAD DIST. NO. 1 ILLINOIS FED. AID PROJECT				

SIGN PANEL – TYPE 1 OR TYPE 2



DESIGN SERIES	AREA (SQ FT)	SIGN PANEL TYPE	SHEETING TYPE	QTY. REQUIRED
D OR C	-	1 OR 2	ZZ	-

COMMON STREET NAME ABBREVIATIONS AND WIDTHS

NAME	ABBREVIATION	WIDTH (INCH)	
		SERIES "C"	SERIES "D"
AVENUE	Ave	15.000	18.250
BOULEVARD	Blvd	17.125	20.000
CIRCLE	Clr	11.125	13.000
COURT	Ct	8.250	9.625
DRIVE	Dr	8.625	10.125
HIGHWAY	Hwy	18.375	22.000
ILLINOIS	IL	7.000	8.250
LANE	Ln	9.125	10.750
PARKWAY	Pkwy	23.375	27.375
PLACE	Pl	7.125	7.750
ROAD	Rd	9.625	11.125
ROUTE	Rte	12.625	14.500
STREET	St	8.000	9.125
TERRACE	Ter	12.625	14.625
TRAIL	Tr	7.750	9.125
UNITED STATES	US	10.375	12.250

GENERAL NOTES

- WHERE MAST ARM MOUNTED STREET NAME SIGNS ARE SPECIFIED, THE MAST ARM ASSEMBLY AND POLES SHALL BE DESIGNED TO SUPPORT THE LOADINGS CALLED FOR ON STANDARDS 877001, 877002, 877006, 877011 AND 877012, AS APPLICABLE, PLUS TWO (2) SIGN PANELS 2'-6" X 8'-0" MOUNTED AS SHOWN. THE DESIGN SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE CURRENT "STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES, AND TRAFFIC SIGNALS" AS PUBLISHED BY THE AMERICAN ASSOCIATION OF STATE HIGHWAY AND TRANSPORTATION OFFICIALS FOR 80 M.P.H. WIND VELOCITY.
- ALL SIGNS SHALL CONSIST OF A WHITE LEGEND AND BORDER (TYPE ZZ SHEETING) ON A GREEN BACKGROUND (TYPE ZZ SHEETING)
- THE SIGN LENGTH SHALL BE IN 6-INCH INCREMENTS, BUT THE OVERALL LENGTH SHALL NOT EXCEED 8'-0". ALL BORDERS SHALL BE 3/4" WIDE. CORNER RADIUS SHALL BE 1-7/8". THE SPACING BETWEEN THE WORDS SHOULD BE 6", IF POSSIBLE, BUT MAY BE REDUCED TO 5" WHEN SPACING IS CRITICAL. A MINIMUM OF 2-1/2" SHALL BE INCLUDED BETWEEN THE WORD AND THE RIGHT AND LEFT EDGES OF THE SIGN.
- A PREFERRED METHOD FOR THE SIGN DESIGN IS TO USE SERIES "D" LETTER ON A ONE-LINE SIGN 18" IN HEIGHT AND A MAXIMUM OF 8'-0" IN WIDTH. IF SERIES "D" DOES NOT FIT ON A 8'-0" SIGN, THEN SERIES "C" SHOULD BE TRIED. IF SERIES "C" DOES NOT FIT ON A 8'-0" SIGN, A 30" HIGH TWO-LINE SIGN CAN BE USED. THE CROSSROAD DESIGNATION AS TO STREET, AVENUE, ETC. SHOULD BE SPELLED OUT ON THE SECOND LINE, IF THERE IS SPACE AVAILABLE.
- LED ILLUMINATED STREET NAME SIGNS CAN BE USED IN PLACE OF REGULAR SIGN PANELS BUT ANY SPECIAL WORDING AND SYMBOLOGY MUST BE APPROVED BY THE DEPARTMENT. GENERAL DESIGN REQUIREMENT AS LISTED ABOVE (COLOR, FONT, SIZE, ETC.) MUST BE FOLLOWED.
- SIGNFIX ALUMINUM CHANNEL FRAMING SYSTEM SHALL BE USED FOR ALL SIGNS ATTACHED TO SIGNAL POLES AND POSTS.

LOCAL SUPPLIERS:

- J.O. HERBERT COMPANY, INC
MIDLOTHIAN, VA
- WESTERN REMAC, INC.
WOODRIDGE, IL

PARTS LISTING:

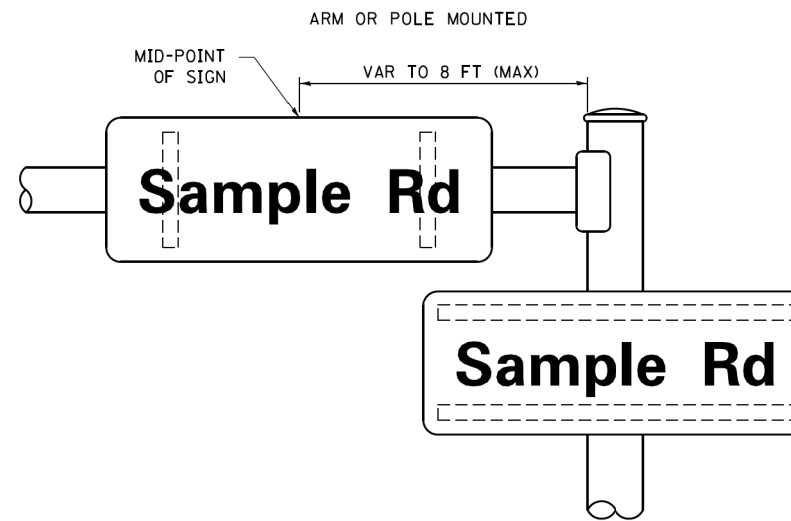
- SIGN CHANNEL PART #HPN053 (MED. CHANNEL)
SIGN SCREWS 1/4" x 14 x 1" H.W.H. #3
SELF TAPPING WITH NEOPRENE WASHER
- BRACKETS PART #HPN034 (UNIVERSAL)
CHANNEL CLAMPS WITH STAINLESS STEEL STRAPPING

OTHER BRANDS OF MOUNTING HARDWARE ARE ACCEPTABLE, BASED UPON THE DEPARTMENT'S APPROVAL AND COMPATIBILITY WITH THE CHANNEL/BACKET OF THE ABOVE PRODUCT.

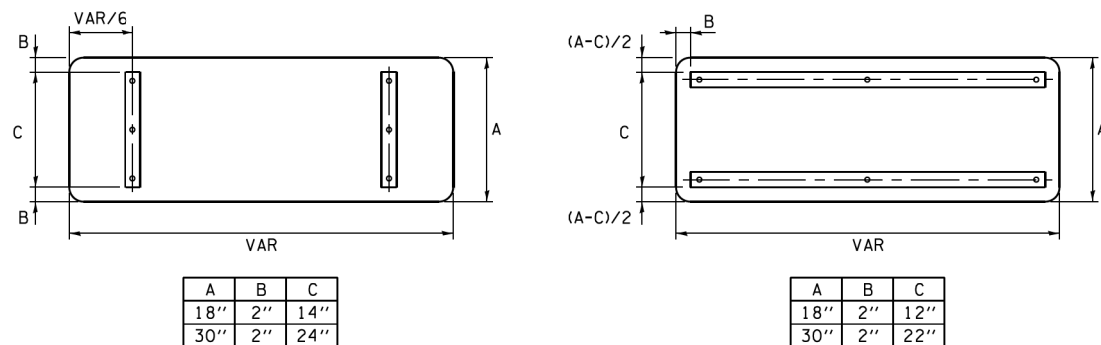
STANDARD ALPHABETS SPACING CHART
(8") UPPER CASE AND (6") LOWER CASE

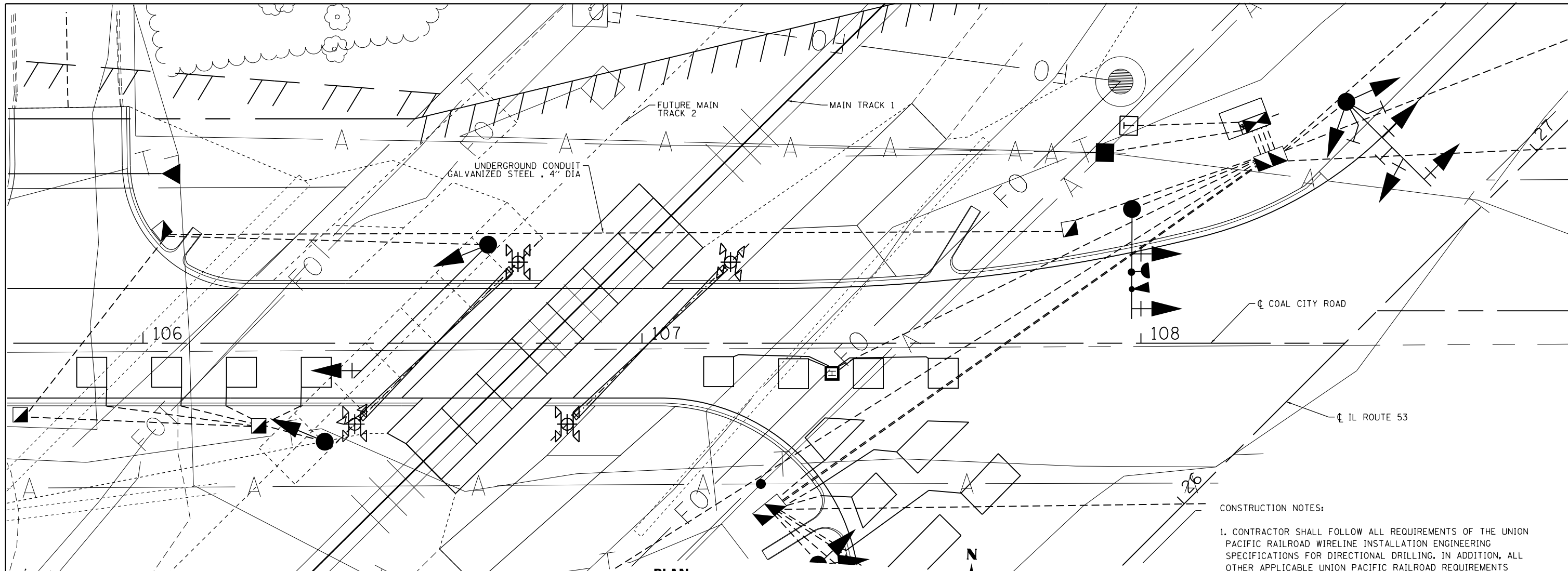
FHWA SERIES "C"				FHWA SERIES "D"			
CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)	CHARACTER	LEFT SPACING (INCH)	WIDTH (INCH)	RIGHT SPACING (INCH)
A	0.240	5.122	0.240	A	0.240	6.804	0.240
B	0.880	4.482	0.480	B	0.960	5.446	0.400
C	0.720	4.482	0.720	C	0.800	5.446	0.800
D	0.880	4.482	0.720	D	0.960	5.446	0.800
E	0.880	4.082	0.480	E	0.960	4.962	0.400
F	0.880	4.082	0.240	F	0.960	4.962	0.240
G	0.720	4.482	0.720	G	0.800	5.446	0.800
H	0.880	4.482	0.880	H	0.960	5.446	0.960
I	0.880	1.120	0.880	I	0.960	1.280	0.960
J	0.240	4.082	0.880	J	0.240	5.122	0.960
K	0.880	4.482	0.480	K	0.960	5.604	0.400
L	0.880	4.082	0.240	L	0.960	4.962	0.240
M	0.880	5.284	0.880	M	0.960	6.244	0.960
N	0.880	4.482	0.880	N	0.960	5.446	0.960
O	0.720	4.722	0.720	O	0.800	5.684	0.800
P	0.880	4.482	0.720	P	0.960	5.446	0.240
Q	0.720	4.722	0.720	Q	0.800	5.684	0.800
R	0.880	4.482	0.480	R	0.960	5.446	0.400
S	0.480	4.482	0.480	S	0.400	5.446	0.400
T	0.240	4.082	0.240	T	0.240	4.962	0.240
U	0.880	4.482	0.880	U	0.960	5.446	0.960
V	0.240	4.962	0.240	V	0.240	6.084	0.240
W	0.240	6.084	0.240	W	0.240	7.124	0.240
X	0.240	4.722	0.240	X	0.400	5.446	0.400
Y	0.240	5.122	0.240	Y	0.240	6.884	0.240
Z	0.480	4.482	0.480	Z	0.400	5.446	0.400
a	0.320	3.842	0.640	a	0.400	4.562	0.720
b	0.720	4.082	0.480	b	0.800	4.802	0.480
c	0.480	4.002	0.240	c	0.480	4.722	0.240
d	0.480	4.082	0.720	d	0.480	4.802	0.800
e	0.480	4.082	0.320	e	0.480	4.722	0.320
f	0.320	2.480	0.160	f	0.320	2.882	0.160
g	0.480	4.082	0.720	g	0.480	4.802	0.800
h	0.720	4.082	0.640	h	0.800	4.722	0.720
i	0.720	1.120	0.720	i	0.800	1.280	0.800
j	0.000	2.320	0.720	j	0.000	2.642	0.800
k	0.720	4.322	0.160	k	0.800	5.122	0.160
l	0.720	1.120	0.720	l	0.800	1.280	0.800
m	0.720	6.724	0.640	m	0.800	7.926	0.720
n	0.720	4.082	0.640	n	0.800	4.722	0.720
o	0.480	4.082	0.480	o	0.480	4.882	0.480
p	0.720	4.082	0.480	p	0.800	4.802	0.480
q	0.480	4.082	0.720	q	0.480	4.802	0.800
r	0.720	2.642	0.160	r	0.800	3.042	0.160
s	0.320	3.362	0.240	s	0.320	3.762	0.240
t	0.080	2.882	0.080	t	0.080	3.202	0.080
u	0.640	4.082	0.720	u	0.720	4.722	0.800
v	0.160	4.722	0.160	v	0.160	5.684	0.160
w	0.160	7.524	0.160	w	0.160	9.046	0.160
x	0.000	5.202	0.000	x	0.000	6.244	0.000
y	0.160	4.962	0.160	y	0.160	6.004	0.160
z	0.240	3.362	0.240	z	0.240	4.002	0.240
1	0.720	1.680	0.880	1	0.800	2.000	0.960
2	0.480	4.482	0.480	2	0.800	5.446	0.800
3	0.480	4.482	0.480	3	1.440	5.446	0.800
4	0.240	4.962	0.720	4	0.160	6.004	0.960
5	0.480	4.482	0.480	5	0.800	5.446	0.800
6	0.720	4.482	0.720	6	0.800	5.446	0.800
7	0.240	4.482	0.720	7	0.560	5.446	0.560
8	0.480	4.482	0.480	8	0.800	5.446	0.800
9	0.480	4.482	0.480	9	0.800	5.446	0.800
0	0.720	4.722	0.720	0	0.800	5.684	0.800
-	0.240	2.802	0.240	-	0.240	2.802	0.240

MOUNTING LOCATION



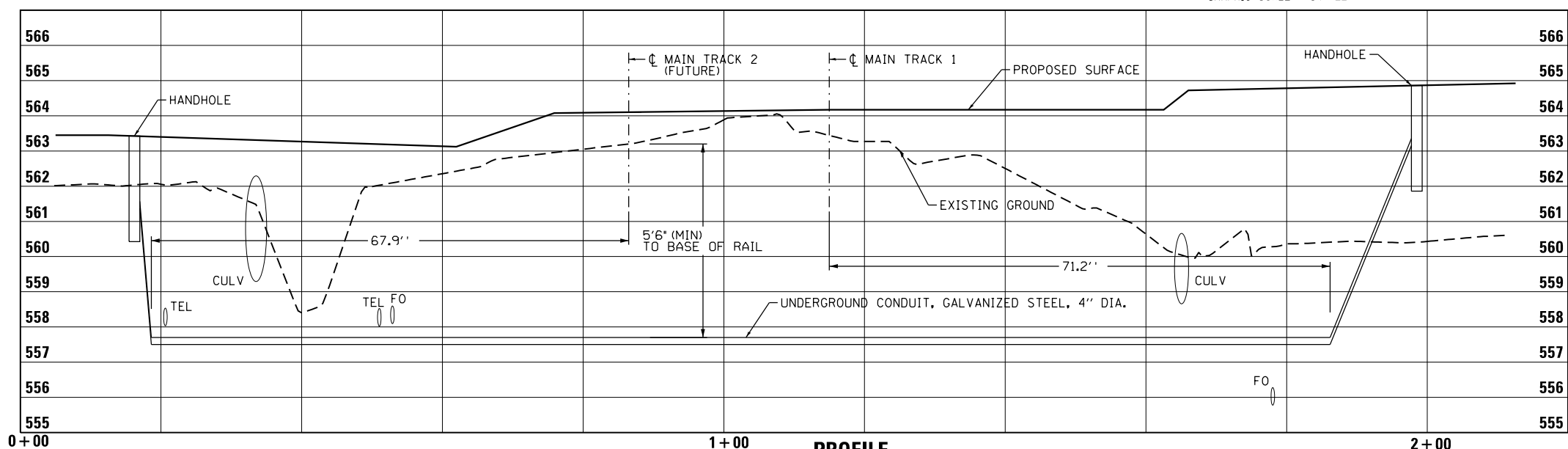
SUPPORTING CHANNELS





PLAN
1" = 10'

- CONSTRUCTION NOTES:**
1. CONTRACTOR SHALL FOLLOW ALL REQUIREMENTS OF THE UNION PACIFIC RAILROAD WIRELINE INSTALLATION ENGINEERING SPECIFICATIONS FOR DIRECTIONAL DRILLING. IN ADDITION, ALL OTHER APPLICABLE UNION PACIFIC RAILROAD REQUIREMENTS SHALL BE MET.
 2. REFER TO THE UNION PACIFIC GENERAL NOTES ON THE CONTRACT GENERAL NOTES SHEET FOR INFORMATION REGARDING WORK ON AND NEAR UNION PACIFIC RAILROAD RIGHT OF WAY.
 3. RAILROAD COORDINATION SHALL BE IN ACCORDANCE WITH THE SPECIAL PROVISIONS.
 4. EXISTING UTILITIES ARE SHOWN ON THE PLANS ACCORDING TO INFORMATION OBTAINED FROM THE LOCAL AGENCIES, OWNERS, AND FIELD SURVEYS. THE ACCURACY AND COMPLETENESS OF SAID INFORMATION IS NOT GUARANTEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE EXISTENCE, NATURE AND EXACT LOCATIONS OF ALL UTILITY LINES AND APPETENCES WITHIN THE LIMITS OF THE IMPROVEMENTS.
 5. REFER TO THE UNION PACIFIC GENERAL NOTES ON THE CONTRACT GENERAL NOTES SHEET FOR CONTACT INFORMATION REGARDING THE LOCATION OF FIBER OPTIC CABLES WITHIN THE UNION PACIFIC RIGHT OF WAY.
 6. RESTORATION OF DISTURBED AREAS SHALL BE INCLUDED IN THE PAY ITEM UNDERGROUND CONDUIT, GALVANIZED STEEL, 4" DIA. DISTURBED AREAS SHALL BE RETURNED TO EXISTING GRADE. ALL ROADWAY SURFACES SUCH AS SHOULDERS, MEDIANS, SIDEWALKS, PAVEMENT, ETC. SHALL BE REPLACED IN KIND. ALL DAMAGE TO MOWED LAWNS SHALL BE REPLACED WITH AN APPROVED SOD, AND ALL DAMAGE TO UNMOWED FIELDS SHALL BE SEEDED IN ACCORDANCE WITH STANDARD SPECIFICATIONS 252 AND 250 RESPECTIVELY.



PROFILE

FILE NAME: c:\neworking\erin.swanson\transportation\62B33-akt-ts-17-Conduit Detail Under RR-290505E.dgn



USER NAME = Erin.Swanson	DESIGNED - NB	REVISED -
DRAWN - NB	REVISED -	
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PLOT DATE = 4/18/2016	DATE - 02/05/2016	REVISED -

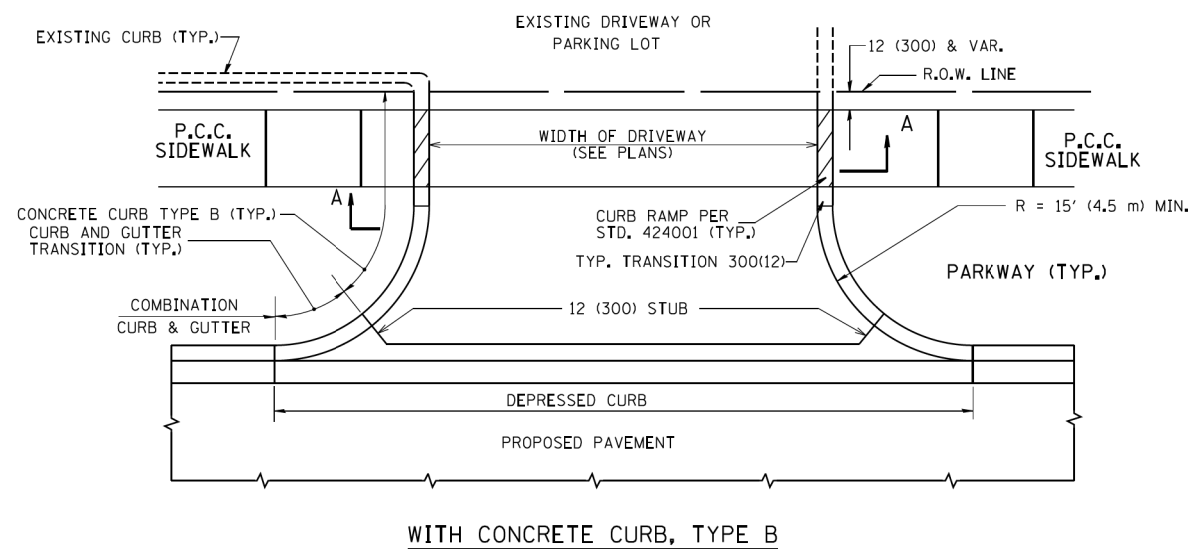
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

CONDUIT INSTALLATION UNDER RAILROAD TRACKS DETAIL

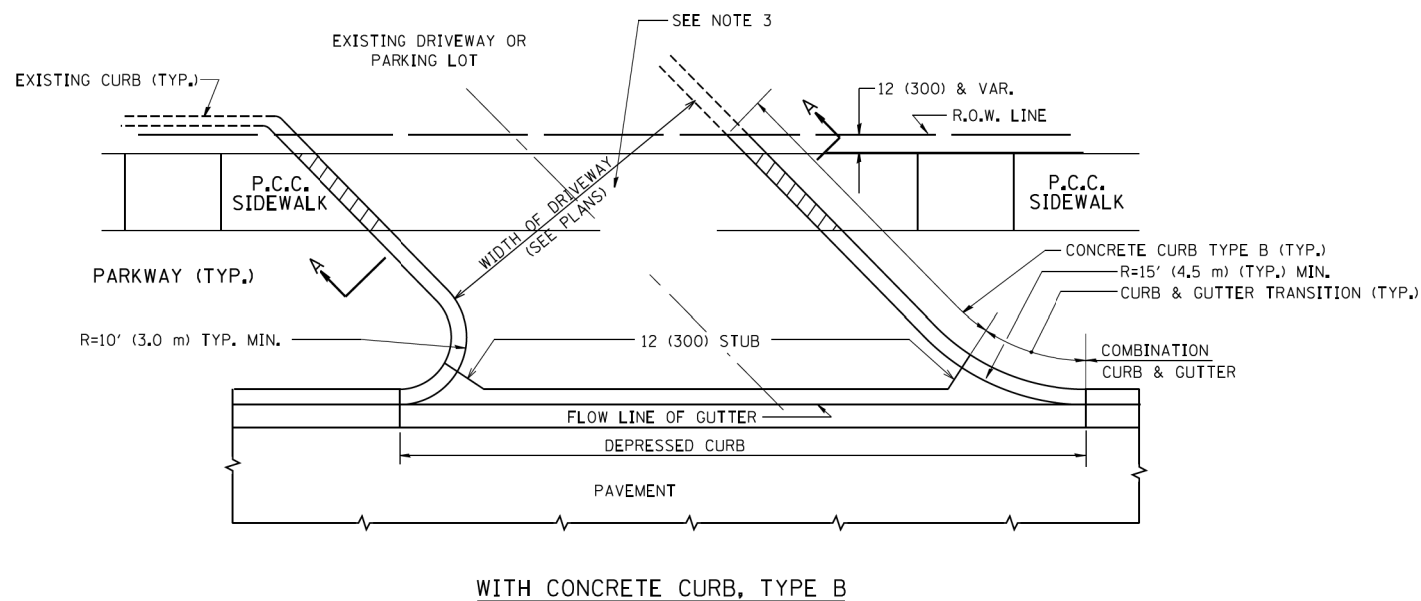
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F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	322
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

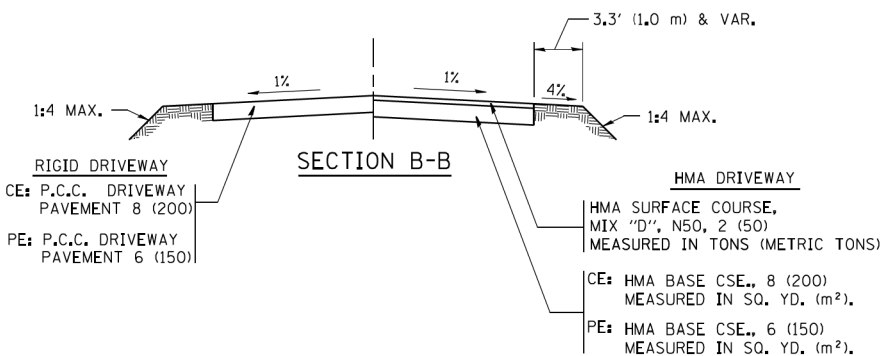
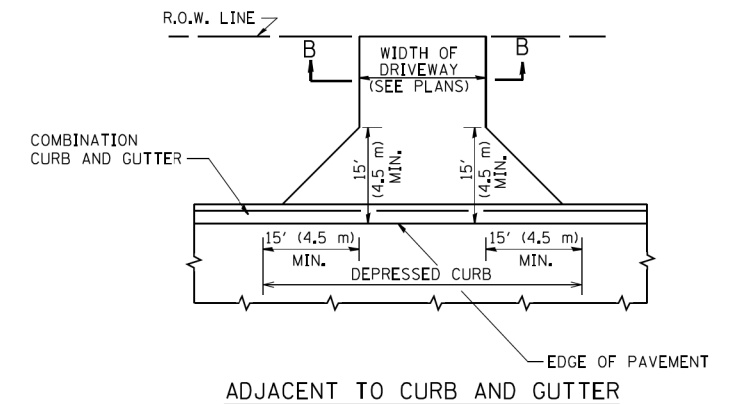
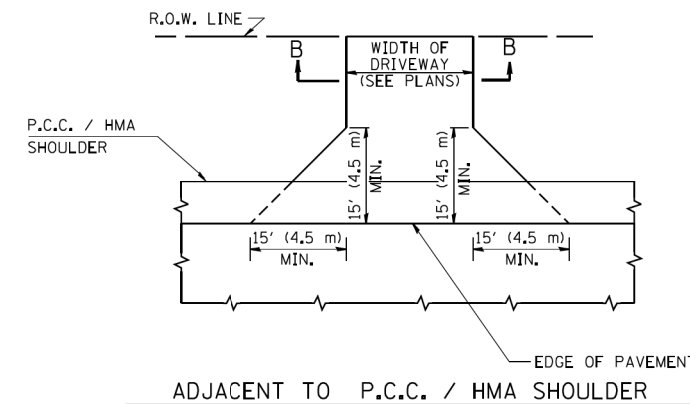
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WITH CONCRETE CURB, TYPE B



WITH CONCRETE CURB, TYPE B



RURAL FIELD ENTRANCE (FE)

HMA SURFACE COURSE, MIX 'D', N50, 2 (50) MEASURED IN TONS (METRIC TONS)

AGGREGATE BASE CSE., TYPE B, 8 (200) MEASURED IN SQ. YD. (m²)

GENERAL NOTES:

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

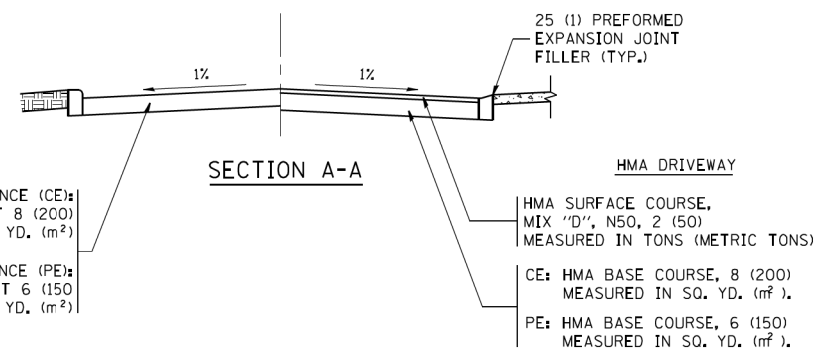
COMMERCIAL DRIVEWAYS SHALL BE CONSTRUCTED WITH CONCRETE CURB, TYPE B RETURNS EXCEPT WHEN THE SIDEWALK EDGE IS 4 FEET (1.2 METERS) OR LESS FROM THE BACK OF CURB, CONSTRUCT A FLARE DRIVEWAY WITHOUT CURB.

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

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

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

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

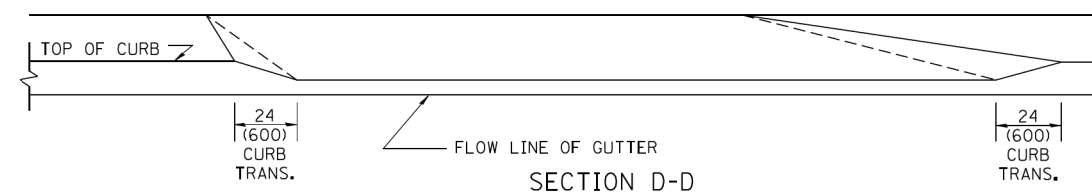
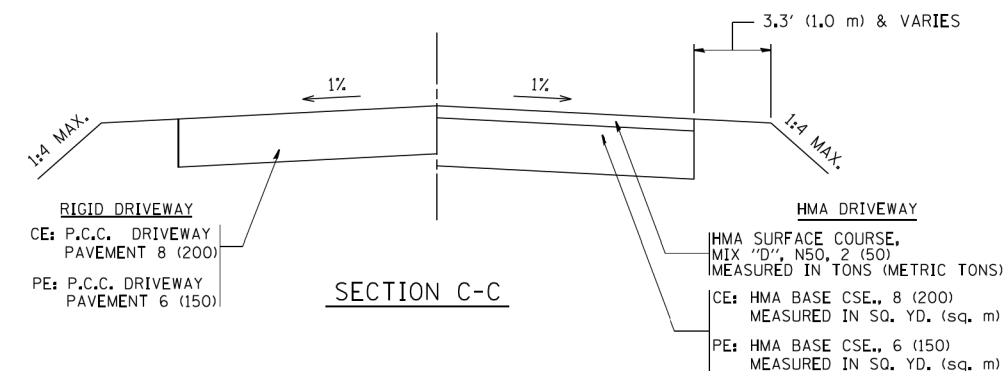
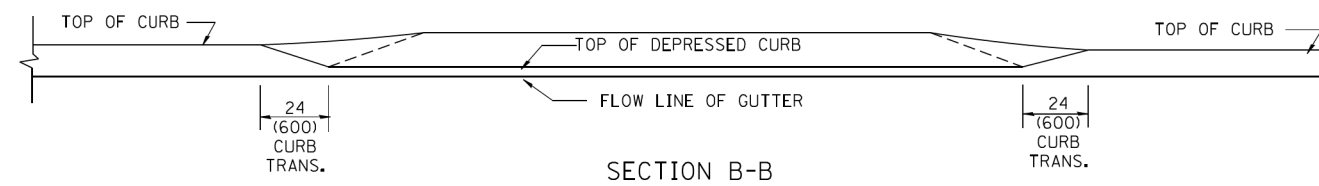
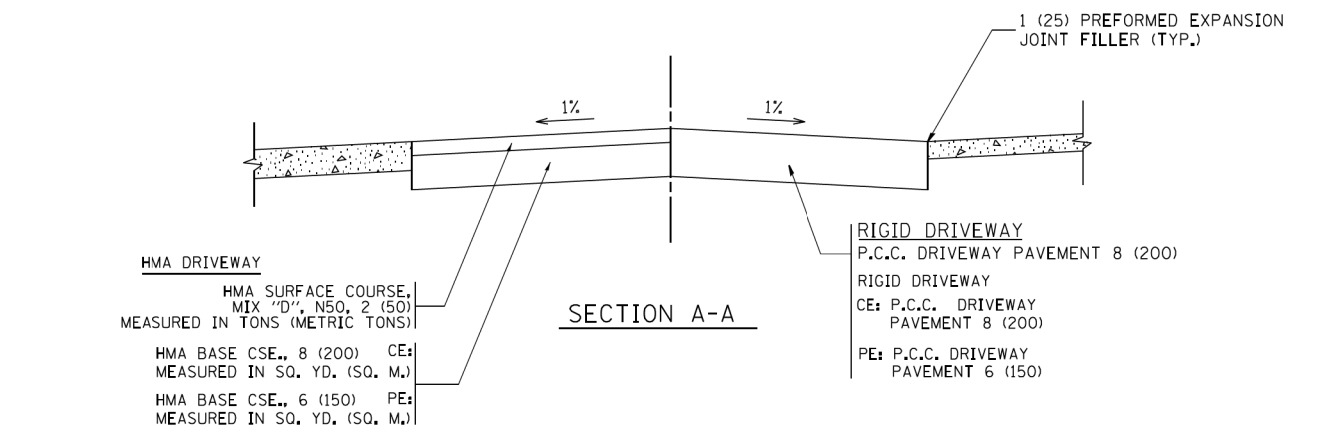
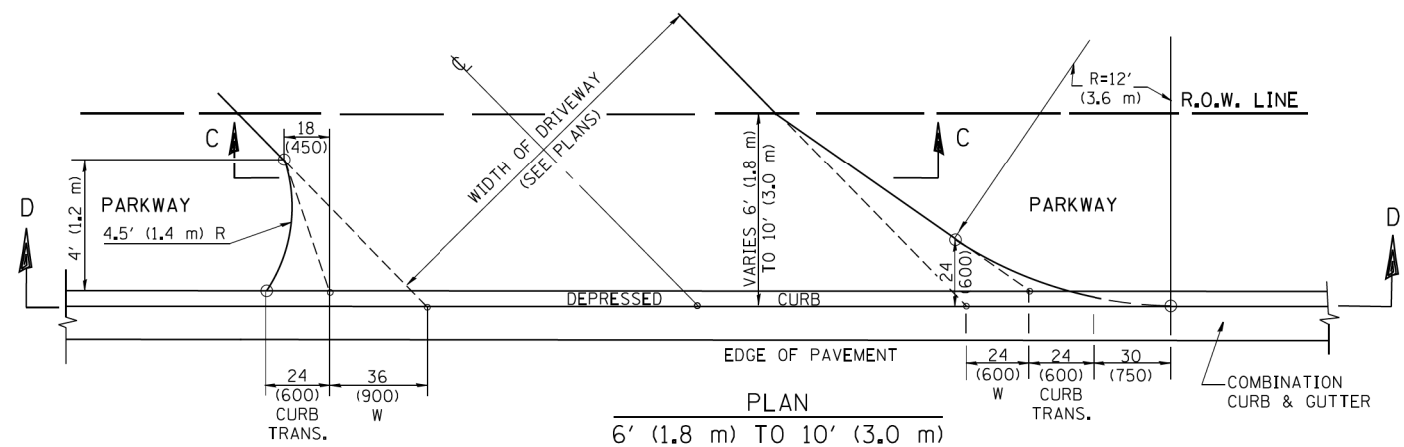
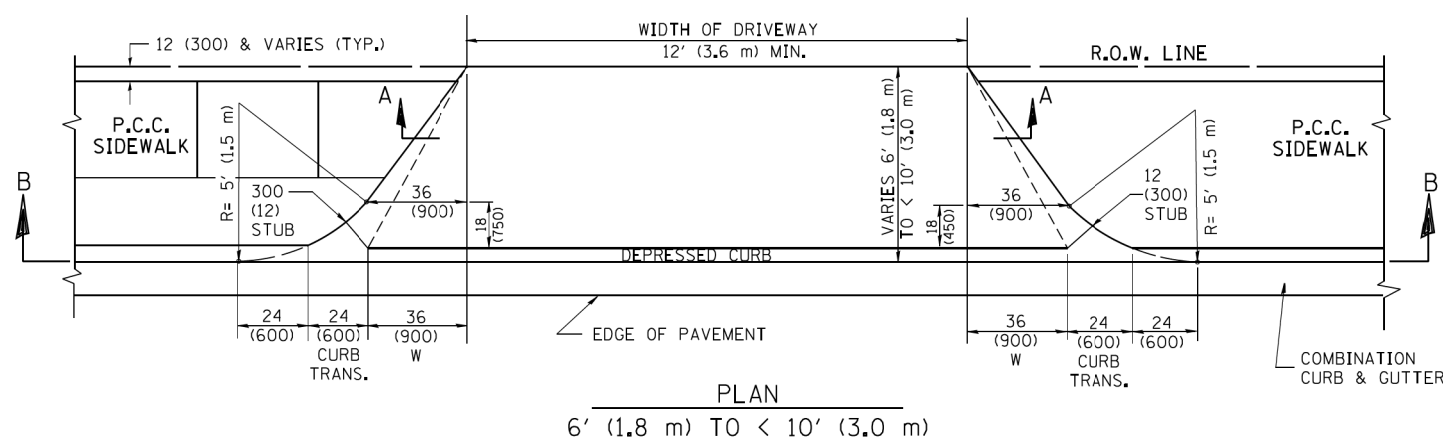
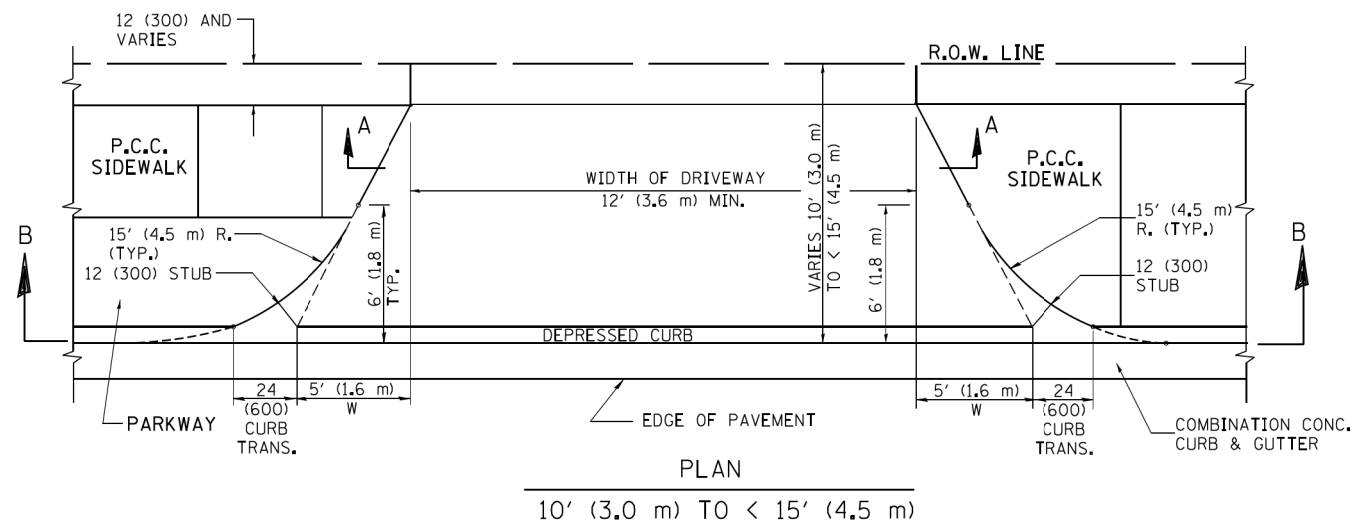


USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DRIVEWAY DETAILS - DISTANCE BETWEEN R.O.W. AND FACE OF CURB & EDGE OF SHOULDER >= 15' (4.5 m)		
SCALE: NTS	SHEET 1 OF 14 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	323
BD0156-07 (BD-01)			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				



GENERAL NOTES

DRIVEWAY SLOPES, LOCATIONS, & GEOMETRIC LAYOUT SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE "HANDBOOK FOR POLICY ON PERMITS FOR ACCESS DRIVEWAYS TO STATE HIGHWAYS". FOR FURTHER LAYOUT REQUIREMENTS, REFER TO ILLUSTRATION 10 IN THE PERMIT HANDBOOK. WHERE SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED WITH RIGID PAVEMENT. WHERE NO SIDEWALKS EXIST, DRIVEWAYS SHALL BE REPLACED IN KIND. SIDEWALK CROSS SLOPE THRU DRIVEWAY AREA TO BE A MAXIMUM OF 1:50.

WHEN THE DISTANCE BETWEEN R.O.W. AND THE BACK OF CURB IS EQUAL TO OR LESS THAN 8' (2.4 m), THE P.C.C. SIDEWALK SHALL EXTEND TO THE BACK OF CURB.

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

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

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

"W" VARIES FROM 36 (900) TO 5' (1.5 m) PROPORTIONAL TO THE LENGTH (L), FROM 6' (1.8 m) TO 10' (3 m).

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

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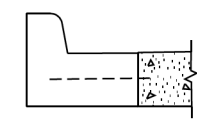
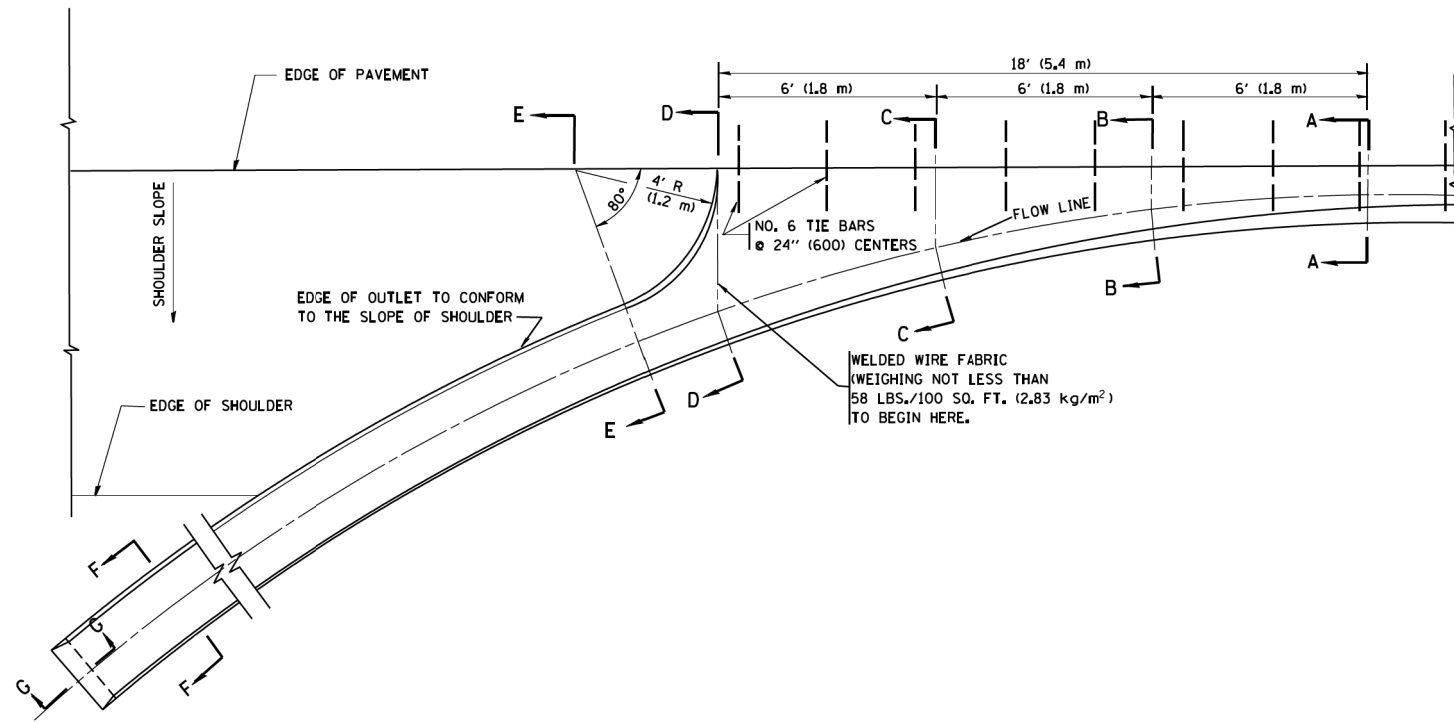


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PLOT SCALE = 48.0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

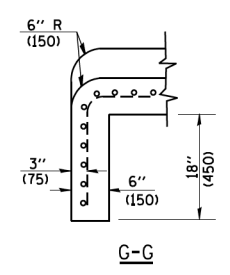
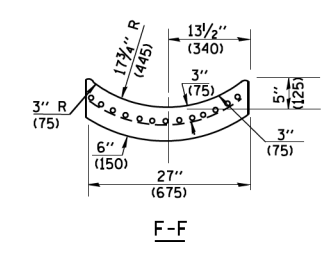
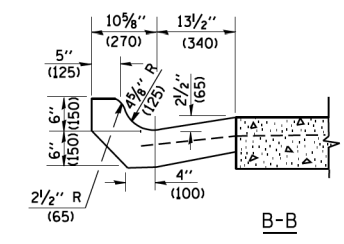
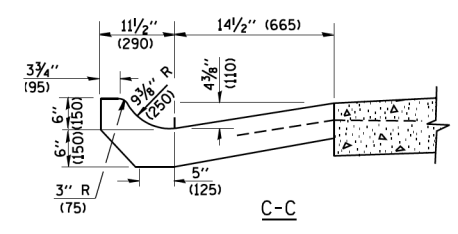
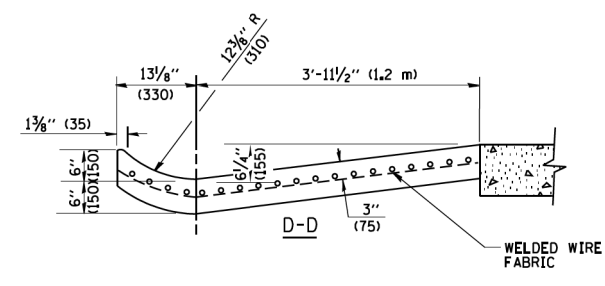
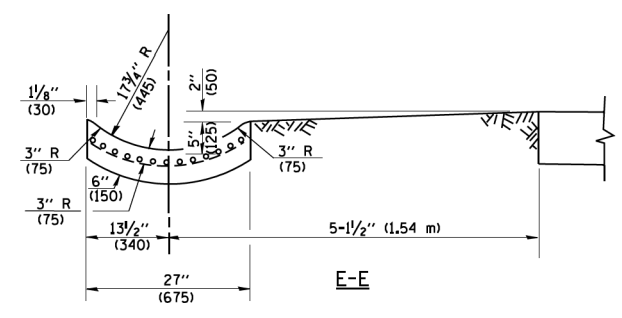
DRIVEWAY DETAILS			
DISTANCE BETWEEN ROW AND FACE OF CURB < 15' (4.5 m)			
SCALE: NTS	SHEET 2	OF 14 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	324
BD400-02 (BD-02)			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				



A-A *

* DIMENSIONS OF THE CURB & GUTTER AT SECTION A-A ARE SHOWN ON STATE STANDARD 606001. FOR DETAILS OF OUTLET FOR CONCRETE CURB & GUTTER, TYPE B-6.24 (B-15.60) SEE STATE STANDARD 606006.



GENERAL NOTES

GUTTER OUTLET SHALL BE TIED TO THE PAVEMENT IN ACCORDANCE WITH DETAILS FOR LONGITUDINAL CONSTRUCTION JOINT SHOWN ON STANDARD 420001.

TIE BARS SHALL BE NO. 20 (NO.6) AT 24\"/>

IF THE AVERAGE GRADE OF PAVEMENT FOR THE DISTANCE FROM SECTION A-A TO D-D EXCEEDS 2%, THIS DISTANCE SHALL BE INCREASED 6' (1.8 m) FOR EACH 1% INCREASE IN GRADE.

QUANTITIES

FOR SECTION A-A TO E-E AND CURTAIN WALL =
 1.25 CU. YDS. (0.96 m³) CLASS SI CONCRETE (OUTLET) FOR 9\"/>

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

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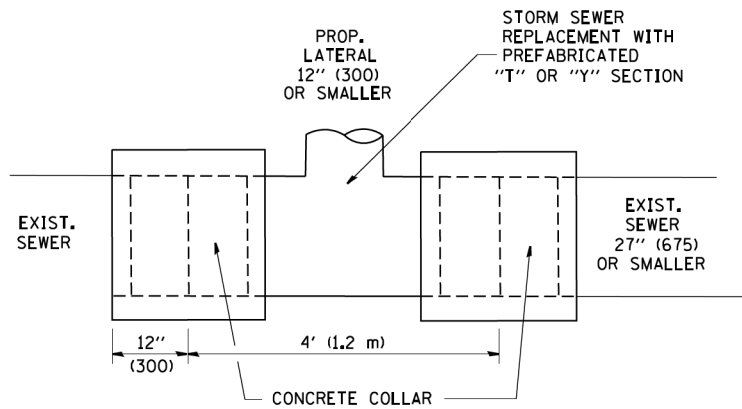
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PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**OUTLET FOR CONCRETE
CURB AND GUTTER**

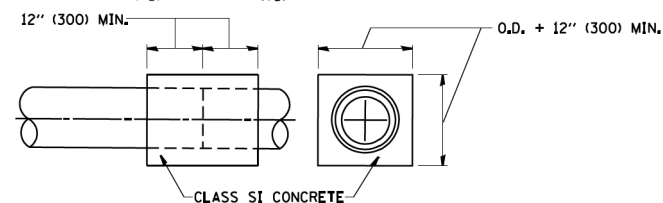
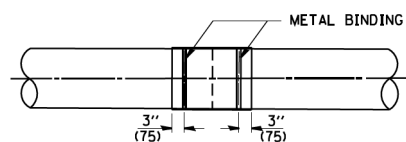
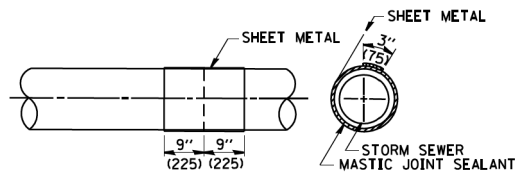
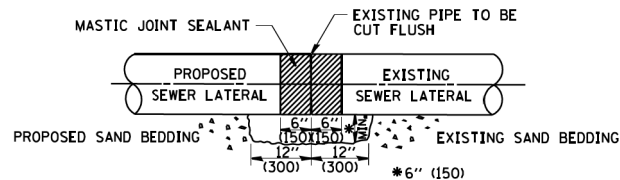
SCALE: NTS SHEET 3 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	325
BD600-01 (BD-03)		CONTRACT NO. 62B33		
ILLINOIS FED. AID PROJECT				



DETAIL "A"

LATERAL CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER

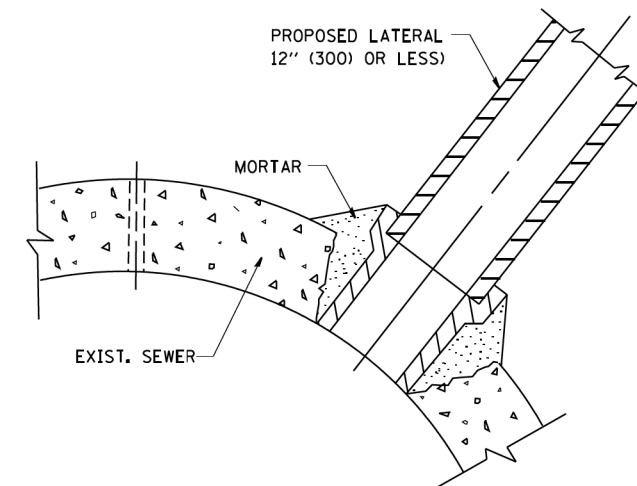


DETAIL "B"

CLASS SI CONCRETE COLLAR

CONSTRUCTION SEQUENCE

1. CUT THE EXISTING END OF THE PIPE SO AS TO PRESENT A FLUSH BUTT JOINT. BRUSH AND CLEAN ALL PIPES.
2. APPLY THE MASTIC JOINT SEALANT TO THE FIRST 6" (150) OF EACH PIPE.
3. BUTT THE PIPES TOGETHER LEAVING A MINIMUM OF 12' x 6' (300 x 150) DEEP EXCAVATION UNDER AND AROUND EACH PIPE END.
4. CUT A PIECE OF SHEET METAL GAGE NO. 19 1.1 (0.0418) 18" (450) WIDE BY THE OUTSIDE CIRCUMFERENCE OF THE PIPE PLUS 3" (75) LONG.
5. WRAP THE SHEET METAL AROUND THE PIPES, 9" (225) ON EACH SIDE OF THE JOINT, STARTING AT THE TOP OF THE PIPE.
6. LAP THE SHEET METAL AT LEAST 3" (75) AT THE TOP OF THE PIPE AND PLACE THE MASTIC JOINT SEALANT BETWEEN THE LAP.
7. PLACE TWO METAL BANDS AROUND THE SHEET METAL AND TIGHTEN.
8. WIPE OFF ANY EXCESS MASTIC JOINT SEALANT THAT OZZES OUT FROM BETWEEN THE SHEET METAL AND THE PIPES.
9. PLACE CLASS SI CONCRETE AROUND THE JOINT.



DETAIL "C"

PROPOSED LATERAL CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER

NOTES

MATERIAL

MATERIAL USED FOR THE TEE OR WYE SECTION SHALL BE COMPATIBLE WITH THE EXISTING STORM SEWER OR THE PROPOSED STORM SEWER.

CONSTRUCTION METHODS

- THIS WORK SHALL BE CONSTRUCTED IN CONFORMANCE WITH THE APPLICABLE PORTIONS OF SECTION 550 OF THE STANDARD SPECIFICATIONS.
- CONNECTION TO AN EXISTING STORM SEWER SHALL BE BY EITHER OF THE FOLLOWING METHODS:
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 27" (675) OR SMALLER SEE DETAIL "A" AND "B".
 - PROPOSED STORM SEWER CONNECTION TO EXISTING SEWER OF 30" (750) OR LARGER SEE DETAIL "C".

IF THE EXISTING SEWER PIPE IS CRACKED, BROKEN OR OTHERWISE DAMAGED BY THE CONTRACTOR IN MAKING THE CIRCULAR OPENING, THE CONTRACTOR SHALL REPLACE THAT SECTION OF PIPE WITH PIPE EQUAL AND SIMILAR IN ALL RESPECTS TO THE PIPE IN THE EXISTING SEWER, IN A CAREFUL WORKMANLIKE MANNER, WITHOUT EXTRA COMPENSATION.

GENERAL

CARE MUST BE TAKEN TO PREVENT DEBRIS FROM ENTERING THE SEWER. ALL DEBRIS WHICH ENTERS THE SEWER MUST BE REMOVED. THE SEWER MUST BE LEFT CLEAN AND UNOBSTRUCTED UPON COMPLETION OF THE CONTRACT.

CARE MUST BE TAKEN TO PREVENT ANY PART OF THE NEW PIPE CONNECTION FROM PROJECTING INTO THE EXISTING SEWER.

BASIS OF PAYMENT

TEE OR WYE CONNECTIONS SHALL BE PAID FOR AT THE CONTRACT UNIT PRICE EACH FOR STORM SEWER TEE OR WYE OF THE TYPE AND SIZE SPECIFIED IN THE PLANS. THIS PRICE SHALL INCLUDE ALL EXCAVATION OF THE TRENCH, REMOVAL OF THE EXISTING STORM SEWER, FURNISHING AND INSTALLING THE SPECIFIED TEE OR WYE SECTION, FURNISHING AND INSTALLING THE REQUIRED CONCRETE COLLAR, AND ALL OTHER MATERIAL NECESSARY TO COMPLETE THIS WORK AS SHOWN AND SPECIFIED.

REMOVAL AND REINSTALLATION OF EXISTING STORM SEWER ADJACENT TO THE PROPOSED TEE OR WYE SECTION, FOR THE PURPOSE OF FACILITATING THE INSTALLATION OF THE TEE OR WYE SECTION, WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THE WORK.

TRENCH BACKFILL, EXCAVATION IN ROCK AND REMOVAL AND REPLACEMENT OF UNSUITABLE MATERIAL BELOW PLAN BEDDING GRADE WILL BE PAID FOR SEPARATELY.

CONCRETE COLLAR FOR CONNECTING A PROPOSED STORM SEWER TO AN EXISTING STORM SEWER WILL NOT BE PAID FOR SEPARATELY BUT SHALL BE INCLUDED IN THE COST OF THE PROPOSED STORM SEWER.

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

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USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DETAIL OF STORM SEWER
CONNECTION TO EXISTING SEWER

SCALE: NTS SHEET 4 OF 14 SHEETS STA. N/A TO STA. N/A

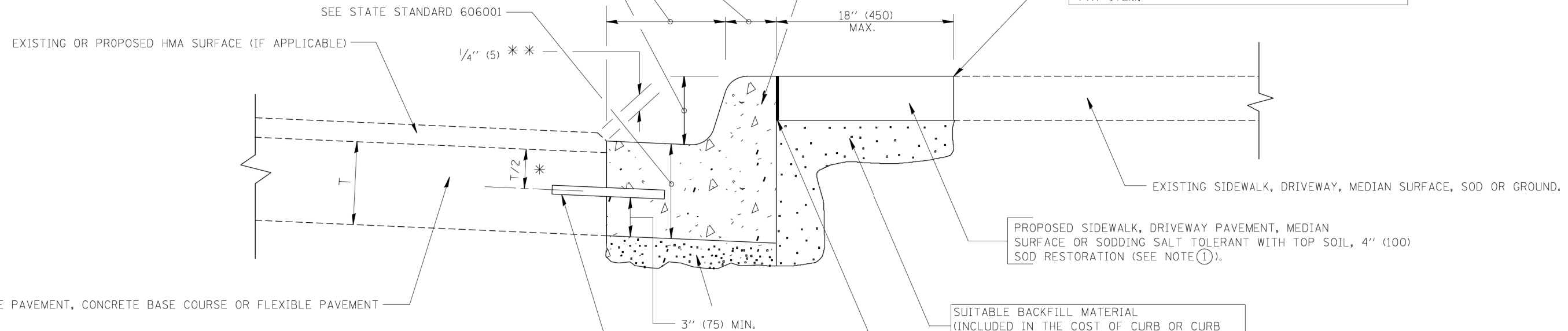
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	326
BD500-01 (BD-7)			CONTRACT NO. 62B33	

ILLINOIS FED. AID PROJECT

VARIABLE - TO MEET EXISTING DIMENSIONS AND FIELD CONDITIONS (SEE NOTE ②)

PROP. CONC. CURB OR CURB AND GUTTER REPLACEMENT IN ACCORDANCE WITH STATE STANDARD 606001. (SEE NOTE ②)

SAW CUT FULL DEPTH - INCLUDED IN THE COST OF SIDEWALK, DRIVEWAY OR MEDIAN SURFACE REMOVAL PAY ITEM.



* 3" (75) MINIMUM FROM TOP AND BOTTOM OF THE CONCRETE PAVEMENT OR BASE COURSE.

** IF THE FINAL SURFACE OF THE PAVEMENT IS CONCRETE, THE GUTTER IS TO BE FLUSH WITH THE PAVEMENT.

NOTE: ① SIDEWALK, DRIVEWAY PAVEMENT OR MEDIAN SURFACE SHALL BE SIMILAR TO THE MATERIAL BEING REMOVED AND WILL BE PAID FOR SEPARATELY. SODDING, SALT TOLERANT AND TOP SOIL, FURNISH AND PLACE 4" WILL BE PAID FOR SEPARATELY,

② FERTILIZER FOR THE PLACEMENT OF THE SOD IS NOT REQUIRED

③ CURB OR CURB AND GUTTER REPLACEMENT SHALL MATCH THE SHAPE OF THE EXISTING CURB OR CURB AND GUTTER UNLESS OTHERWISE SPECIFIED.

④ FOR CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT ADJACENT TO FLEXIBLE PAVEMENT DELETE EPOXY COATED TIE BARS.

⑤ LONGITUDINAL BARS, IF ENCOUNTERED IN THE EXISTING CURB OR CURB AND GUTTER, ARE NOT TO BE REPLACED. CUTTING AND REMOVING LONGITUDINAL BARS SHALL BE INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑥ THE COST OF HMA SURFACE REMOVAL IN THE EXISTING GUTTER FLAG SHALL BE INCLUDED IN THE COST OF THE CURB AND GUTTER REMOVAL AND REPLACEMENT.

⑦ THE REMOVAL AND REPLACEMENT OF THE EXISTING CURB OR CURB AND GUTTER SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PORTIONS OF SECTION 440 AND 606 OF THE STANDARD SPECIFICATIONS.

⑧ THE LOCATIONS OF REMOVAL AND REPLACEMENT OF EXISTING CURB OR CURB AND GUTTER SHALL BE DETERMINED BY THE RESIDENT ENGINEER AT THE TIME OF CONSTRUCTION.

SUITABLE BACKFILL MATERIAL (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT)

PROPOSED 3/4" (20) PREFORMED EXPANSION JOINT AT CONCRETE SIDEWALKS, DRIVEWAYS, AND MEDIANS. (INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.)

UNSUITABLE SUB-BASE MATERIAL TO BE REMOVED, IF DIRECTED BY THE ENGINEER, SHALL BE REPLACED WITH EITHER SUB-BASE GRANULAR MATERIAL, TYPE B OR ADDITIONAL THICKNESS OF CONCRETE.

REMOVAL AND REPLACEMENT 4" (100) OR LESS IS INCLUDED IN THE COST OF CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT.

REMOVAL AND REPLACEMENT IN EXCESS OF 4" (100) WILL BE PAID FOR IN ACCORDANCE WITH ARTICLE 109.04 OF THE STANDARD SPECIFICATIONS.

PROPOSED #6 (20) EPOXY COATED TIE BARS 24" (600) LONG AT 24" (600) CENTERS WILL NOT BE PAID FOR SEPARATELY. DELETE EPOXY COATED TIE BARS IF EXISTING TIE BARS ARE USABLE AS DETERMINED BY THE ENGINEER. (SEE NOTE ③).

BASIS OF PAYMENT:
THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER FOOT (METER) FOR "CURB REMOVAL AND REPLACEMENT" OR "COMBINATION CONCRETE CURB AND GUTTER REMOVAL AND REPLACEMENT".

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT

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

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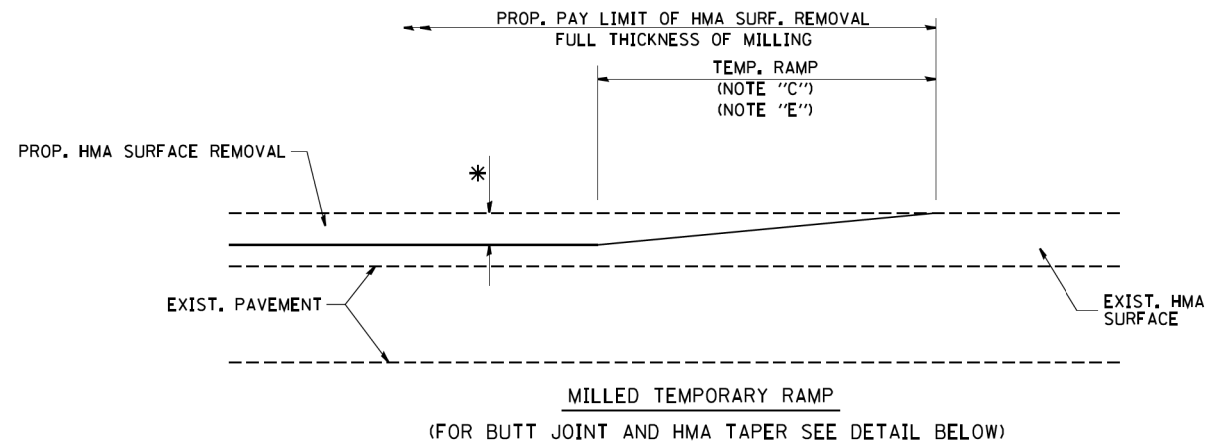


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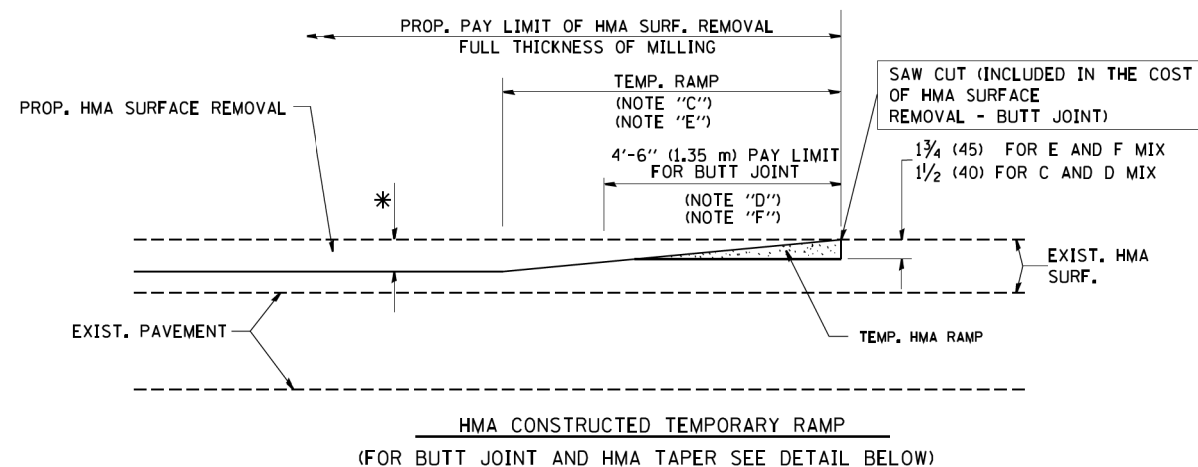
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CURB OR CURB AND GUTTER REMOVAL AND REPLACEMENT			
SCALE: NTS	SHEET 5	OF 14 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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BD600-06 (BD-24)			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				

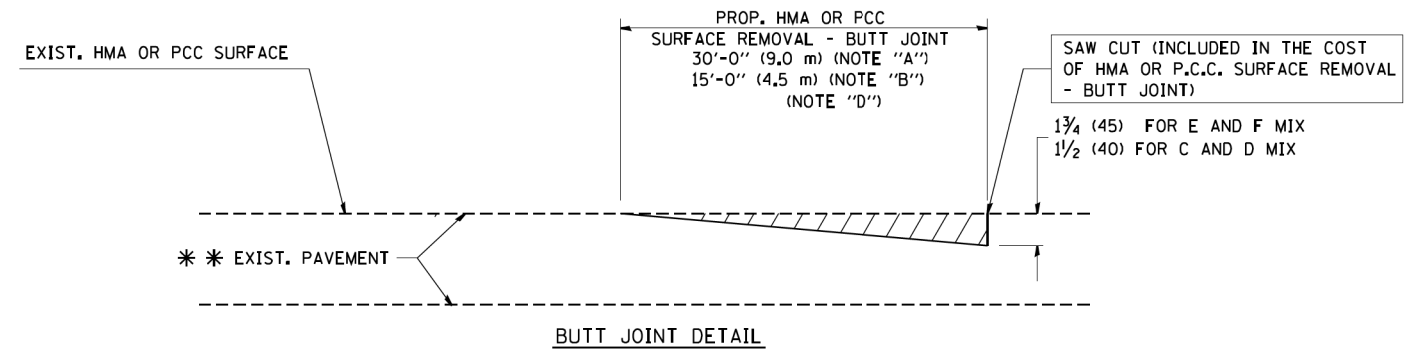


OPTION 1

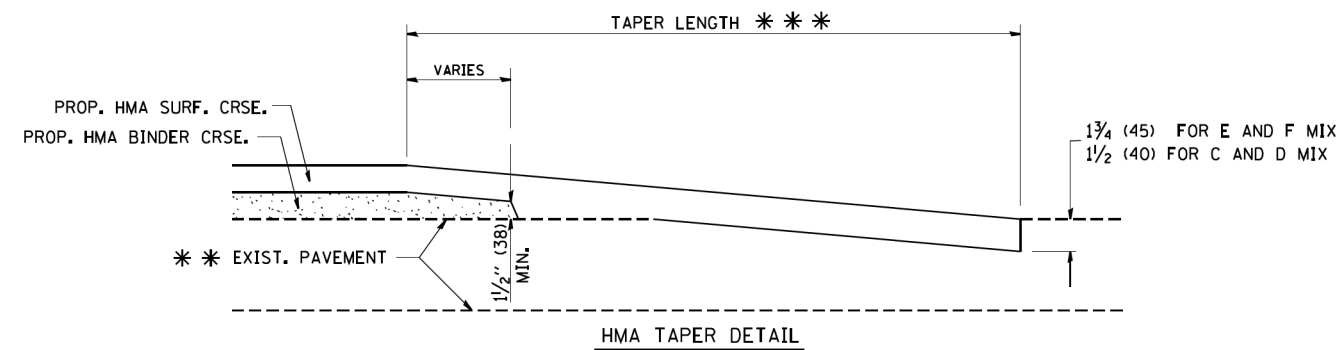


OPTION 2

TYPICAL TEMPORARY RAMP



BUTT JOINT DETAIL



HMA TAPER DETAIL

TYPICAL BUTT JOINT AND HMA TAPER FOR RESURFACING ONLY

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

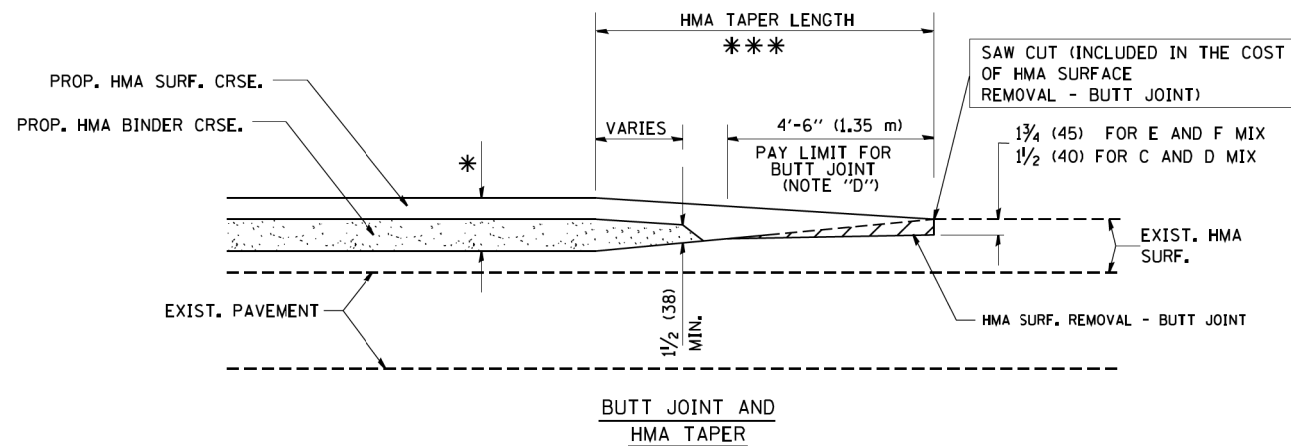
NOTES

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

BASIS OF PAYMENT:

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

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



TYPICAL BUTT JOINT AND HMA TAPER FOR MILLING AND RESURFACING

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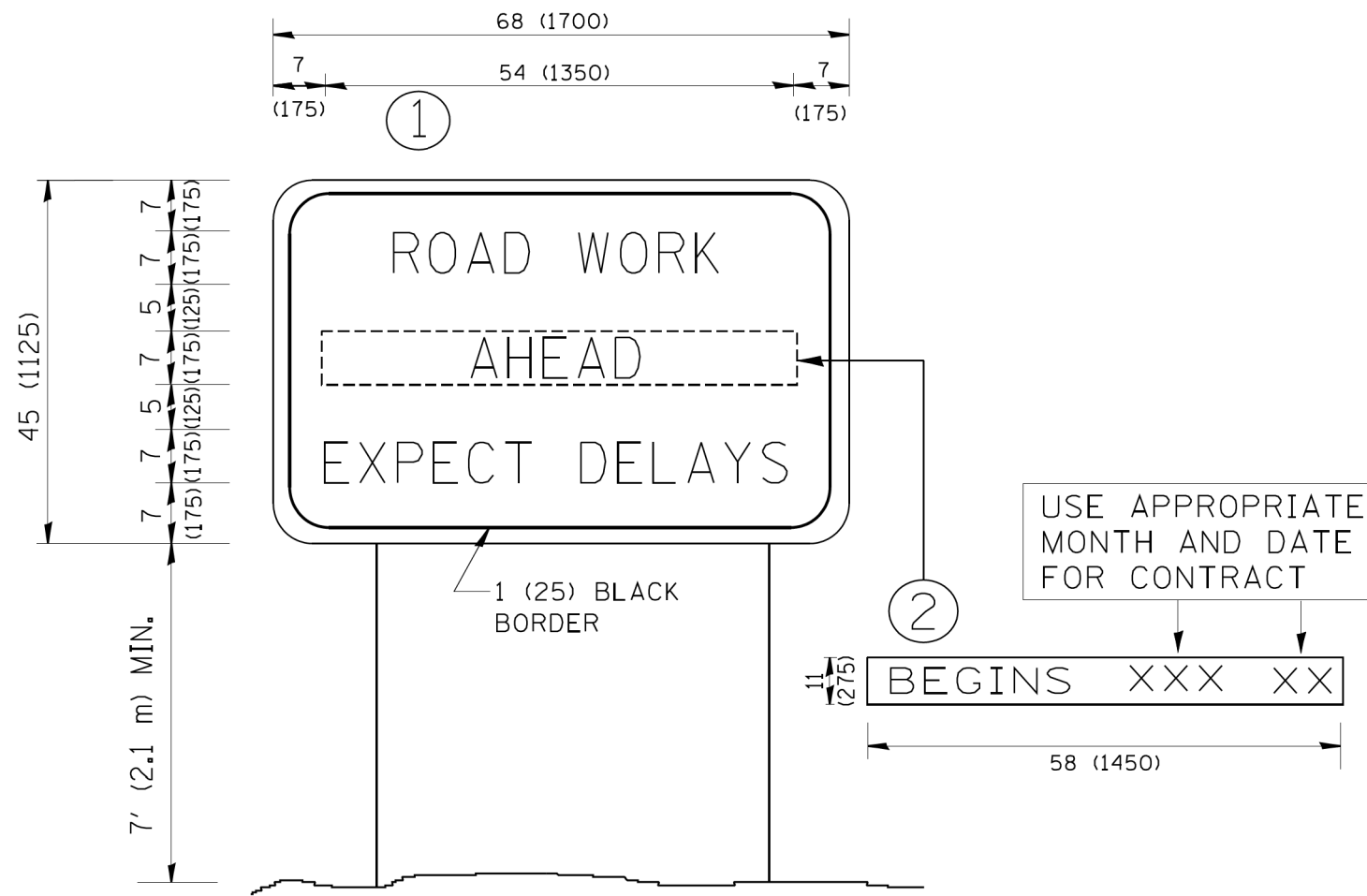


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PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
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**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

BUTT JOINT AND HMA TAPER DETAILS			
SCALE: NTS	SHEET 6	OF 14 SHEETS	STA. N/A TO STA. N/A

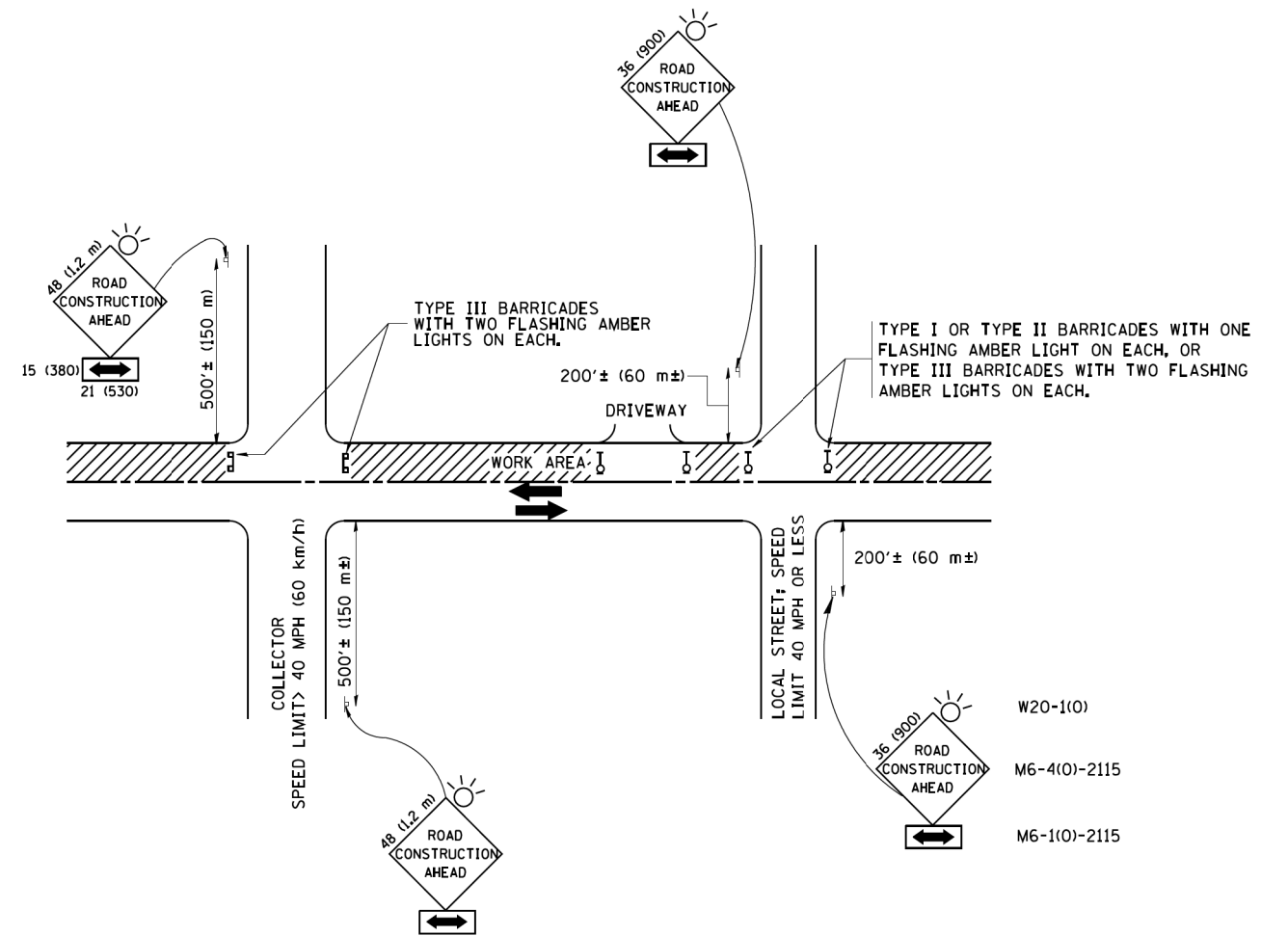
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	328
BD400-05 BD32			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				



NOTES:

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

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



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

NOTES:

- A. FOR NO LANE RESTRICTION ON THE SIDE ROAD OR DRIVEWAYS**
1. SIDE ROAD WITH A SPEED LIMIT OF 40 MPH (60 km/h) OR LESS AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 36 x 36 (900x900) WITH A FLASHER AND FLAG MOUNTED ON IT APPROXIMATELY 200' (60 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE I, TYPE II OR TYPE III BARRICADES, 1/3 OF THE CROSS SECTION OF THE CLOSED PORTION.
 2. SIDE ROAD WITH A SPEED LIMIT GREATER THAN 40 MPH (60 km/h) AS SHOWN ON THE DRAWING AND AS DIRECTED BY THE ENGINEER:
 - a) ONE ROAD CONSTRUCTION AHEAD SIGN 48 x 48 (1.2 m x 1.2 m) WITH A FLASHER MOUNTED ON IT APPROXIMATELY 500' (150 m) IN ADVANCE OF THE MAIN ROUTE.
 - b) THE CLOSED PORTION OF THE MAIN ROUTE SHALL BE PROTECTED BY BLOCKING WITH TYPE III BARRICADES, 1/2 OF THE CROSS SECTION OF THE CLOSED PORTION.
 3. WHEN THE SIDE ROAD LIES BETWEEN THE BEGINNING OF THE MAINLINE SIGNING AND THE WORK ZONE, A SINGLE HEADED ARROW (M6-1) SHALL BE USED IN LIEU OF THE DOUBLE HEADED ARROW (M6-4).
- B. FOR A LANE CLOSURE ON A SIDE ROAD OR DRIVEWAY:**
- USE APPLICABLE PORTIONS OF THE TYPICAL APPLICATION OF TRAFFIC CONTROL DEVICES (STD. 701501, STD. 701606 OR THE APPROPRIATE STANDARD). THE SPACING OF SIGNS AND BARRICADES SHALL BE ADJUSTED FOR FIELD CONDITIONS AS DIRECTED BY THE ENGINEER. THE DIRECTIONAL ARROW SHALL BE COVERED OR REMOVED WHEN NO LONGER CONSISTENT WITH THE SIDE ROAD LANE CLOSURE.
- C. ADVANCE WARNING SIGNS ARE TO BE OMITTED ON DRIVEWAY UNLESS OTHERWISE NOTED.
- D. THE TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS SHALL BE INCIDENTAL TO THE COST OF SPECIFIED TRAFFIC CONTROL STANDARDS OR ITEMS.

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

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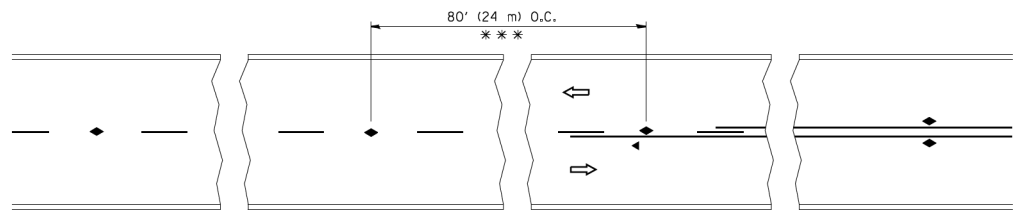


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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

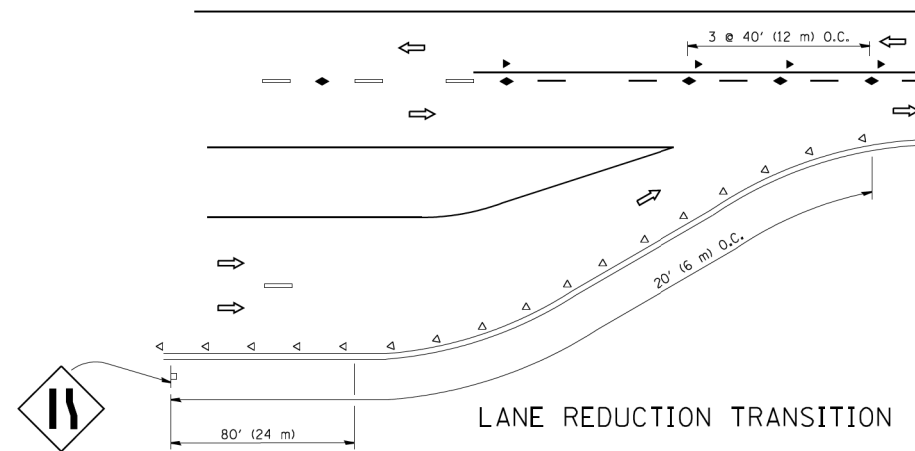
TRAFFIC CONTROL AND PROTECTION FOR SIDE ROADS, INTERSECTIONS, AND DRIVEWAYS			
SCALE: NTS	SHEET 7 OF 14 SHEETS	STA. N/A TO STA. N/A	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-10			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				

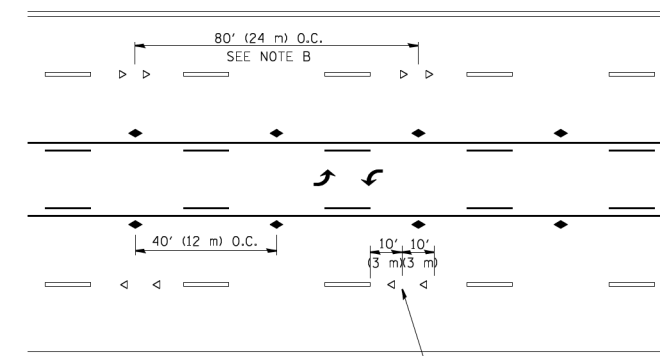


*** REDUCE TO 40' (12 m) O.C. ON CURVES WITH POSTED OR ADVISORY SPEED 45 M.P.H. (70 km/h) OR LESS.

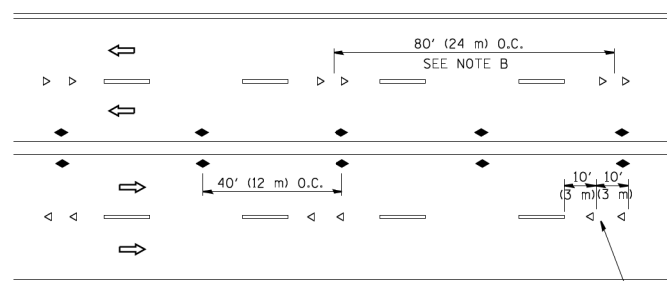
TWO-LANE/TWO-WAY



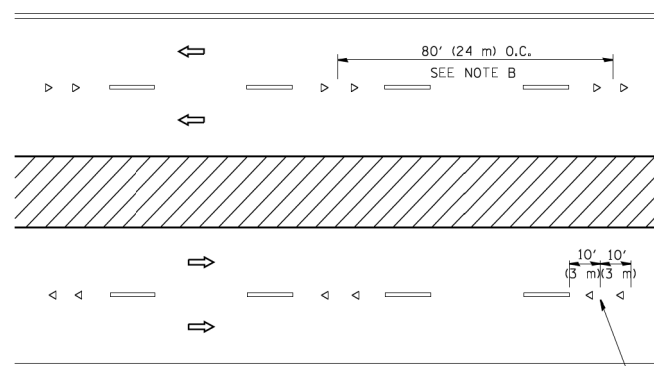
LANE REDUCTION TRANSITION



TWO-WAY LEFT TURN



MULTI-LANE/UNDIVIDED



MULTI-LANE/DIVIDED

GENERAL NOTES

1. MARKERS USED WITH DASHED LINES SHALL BE CENTERED IN THE GAP BETWEEN SEGMENTS.
2. MARKERS USED ADJACENT TO SOLID LINES SHALL BE OFFSET 2 TO 3 (50 TO 75) TOWARD TRAFFIC AS SHOWN.
3. MARKERS THROUGH TANGENTS LESS THAN 500' (150 m) IN LENGTH BETWEEN CURVES SHALL BE INSTALLED AT THE LESSER OF THE TWO CURVE SPACINGS.

SYMBOLS

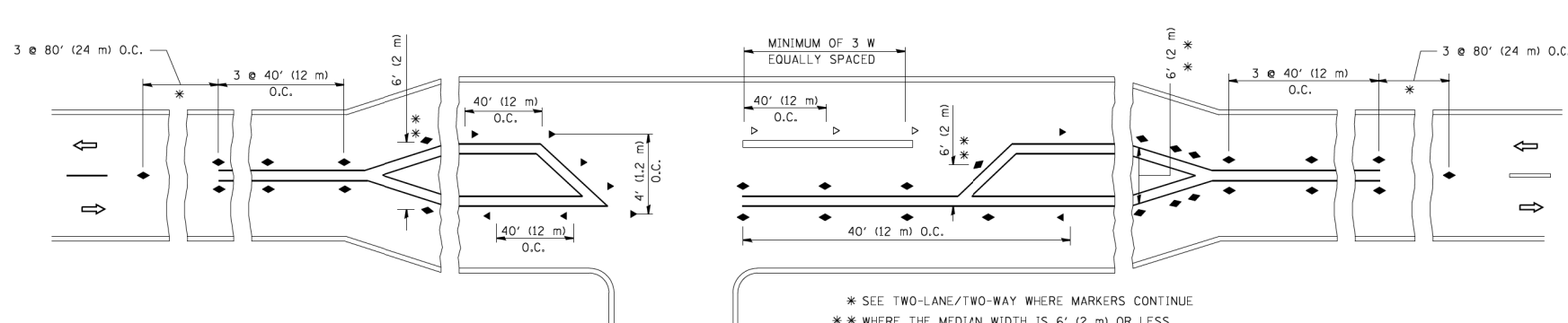
- YELLOW STRIPE
- WHITE STRIPE
- ◀ ONE-WAY AMBER MARKER
- < ONE-WAY CRYSTAL MARKER (W/O)
- ◆ TWO-WAY AMBER MARKER

LANE MARKER NOTES

- A. USE DOUBLE LANE LINE MARKERS SPACED AS SHOWN.
- B. REDUCE TO 40' (12 m) O.C. ON CURVES WHERE ADVISORY SPEEDS ARE 10 M.P.H. (20 km/h) LOWER THAN POSTED SPEEDS.

DESIGN NOTES

1. DOUBLE LANE LINE MARKERS SHALL BE USED UNLESS SPECIFIED OTHERWISE.
2. EXCEPT AS SHOWN ON THE LANE REDUCTION TRANSITION AND FREEWAY EXIT RAMP DETAIL, MARKERS ARE NOT TO BE SPECIFIED ON RIGHT EDGE LINES.
3. THE EXACT MARKER LIMITS, SPACING, AND COLOR SHALL BE INCLUDED IN THE PLANS WHEN STANDARD SPECIFICATIONS ARE NOT BEING USED.
4. MARKERS SHOULD NOT BE USED ALONGSIDE CURBS EXCEPT FOR EXTREMELY SHORT SECTIONS OF CURBS WHERE NOT MORE THAN TWO MARKERS WOULD BE INVOLVED.



LEFT TURN

* SEE TWO-LANE/TWO-WAY WHERE MARKERS CONTINUE
 ** WHERE THE MEDIAN WIDTH IS 6' (2 m) OR LESS USE TWO-WAY MARKERS.

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

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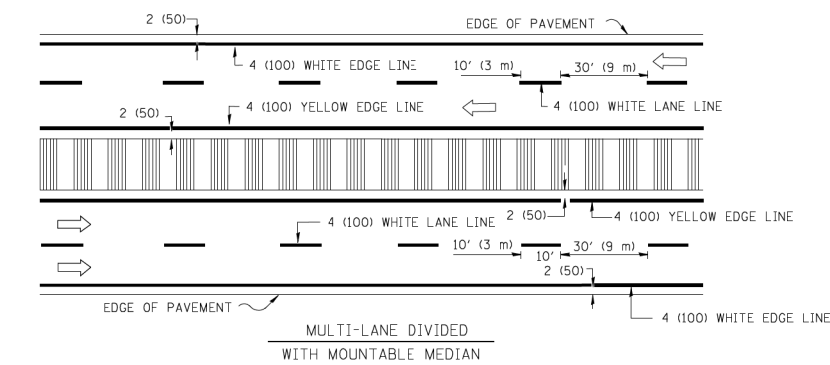
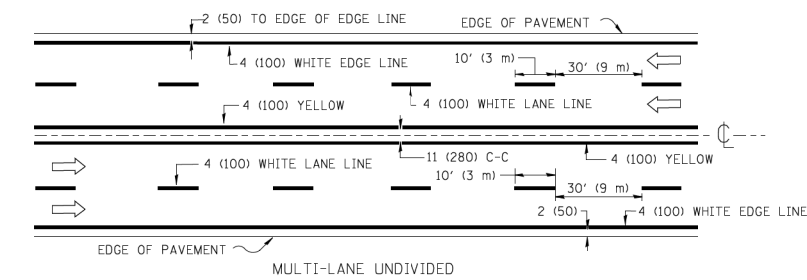
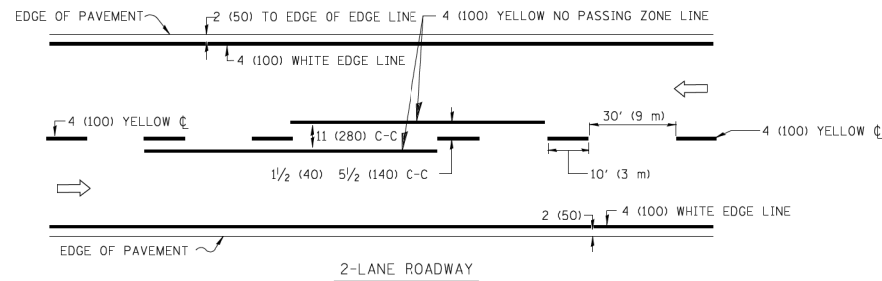


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STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

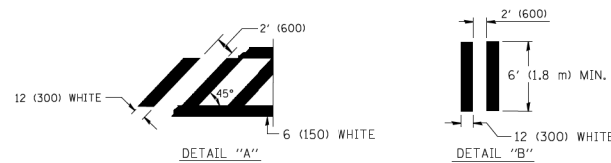
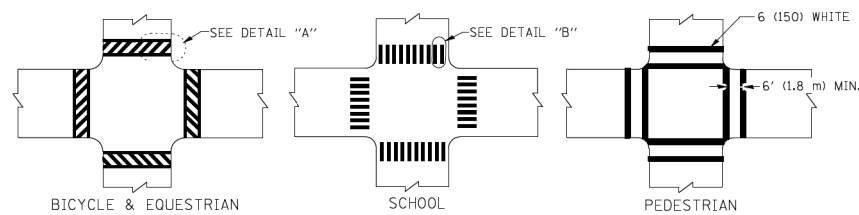
TYPICAL APPLICATIONS		
RAISED REFLECTIVE PAVEMENT MARKERS (SNOW-PLOW RESISTANT)		
SCALE: NTS	SHEET 8 OF 14 SHEETS	STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	330
TC-11		CONTRACT NO. 62B33		
ILLINOIS FED. AID PROJECT				

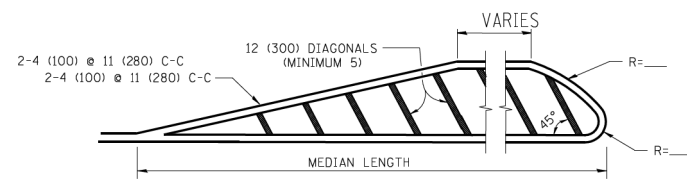
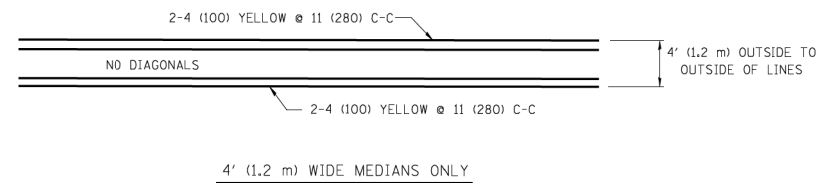


NOTE: MEDIANS WITH BARRIER CURB DO NOT REQUIRE AN EDGE LINE

TYPICAL LANE AND EDGE LINE MARKING

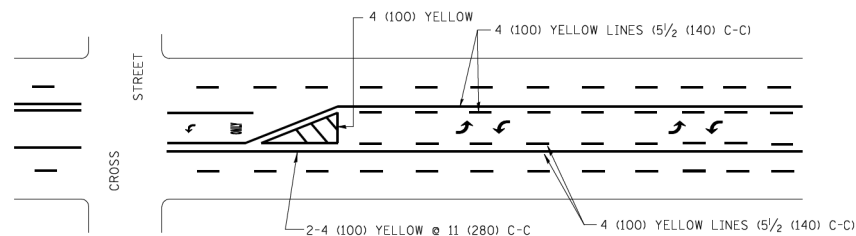


TYPICAL CROSSWALK MARKING

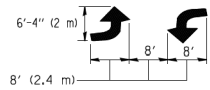


FOR MEDIAN LENGTHS WHERE DIAGONAL SPACING CANNOT BE ATTAINED, USE 5 (FIVE) EQUALLY SPACED DIAGONAL LINES.
 DIAGONAL LINE SPACING: 50' (15 m) C-C (LESS THAN 30MPH (50 km/h))
 75' (25 m) C-C 30MPH (50 km/h) TO 45MPH (70 km/h)
 150' (45 m) C-C (MORE THAN 45MPH (70 km/h))

MEDIANS OVER 4' (1.2 m) WIDE

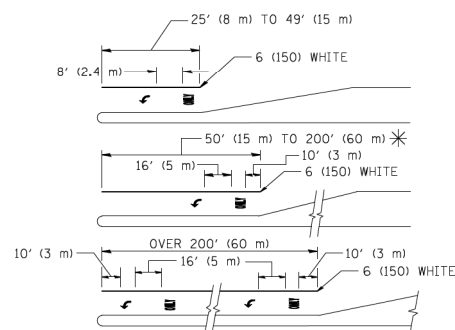


A MINIMUM OF TWO PAIRS OF TURN ARROWS SHALL BE USED, WHITE IN COLOR. ADDITIONAL PAIRS SHALL BE PLACED AT 200' (60 m) TO 300' (90 m) INTERVALS.



MEDIAN WITH TWO-WAY LEFT TURN LANE

TYPICAL PAINTED MEDIAN MARKING

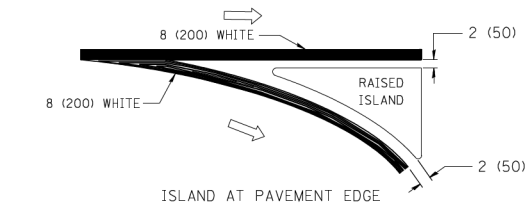
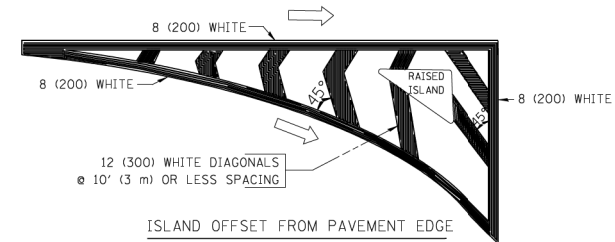


FULL SIZE LETTERS 8' (2.4 m) AND ARROWS SHALL BE USED.
 AREA = 15.6 SQ. FT. (1.5 m²) ONLY AREA = 20.8 SQ. FT. (1.9 m²)

* TURN LANES IN EXCESS OF 400' (120 m) IN LENGTH MAY HAVE AN ADDITIONAL SET OF ARROW - "ONLY" INSTALLED MIDWAY BETWEEN THE OTHER TWO SETS OF ARROW - "ONLY".

TYPICAL LEFT (OR RIGHT) TURN LANE

TYPICAL TURN LANE MARKING



TYPICAL ISLAND MARKING

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

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

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

FILE NAME: c:\ywork\hwy\mck_becker\transportation\dm1\BID\62B33-wk-draft\1-2009\09E.dgn

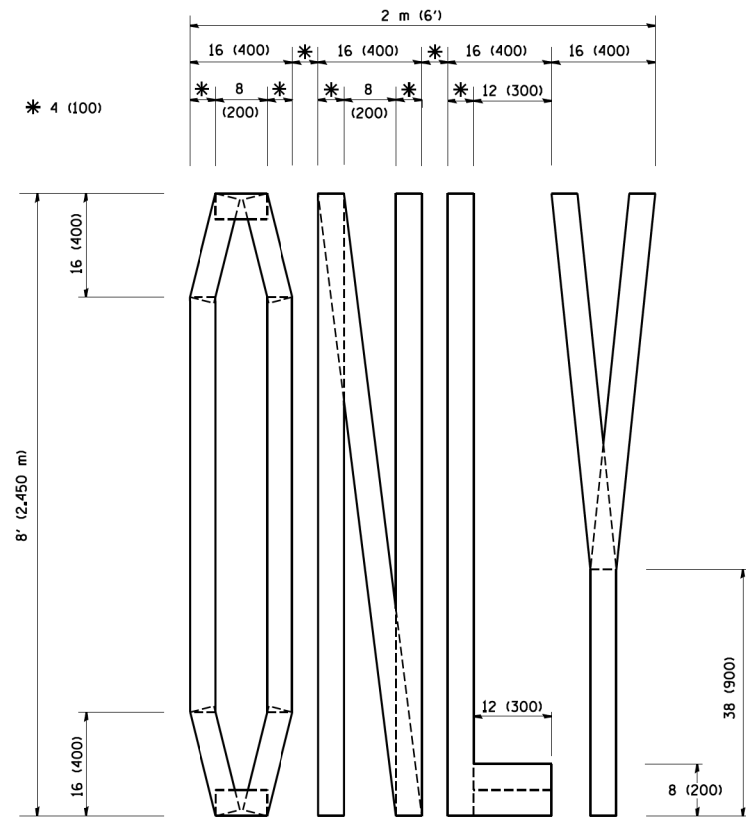


USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

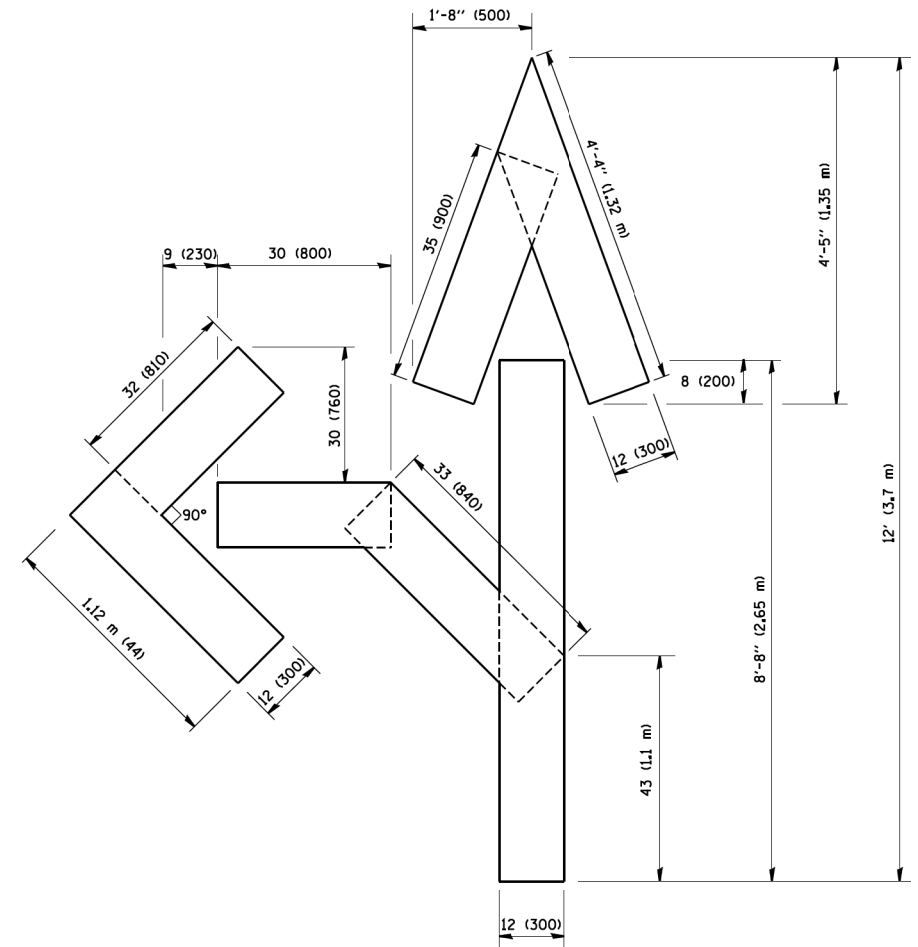
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

DISTRICT ONE			
TYPICAL PAVEMENT MARKINGS			
SCALE: NTS	SHEET 9 OF 14 SHEETS	STA. N/A TO STA. N/A	

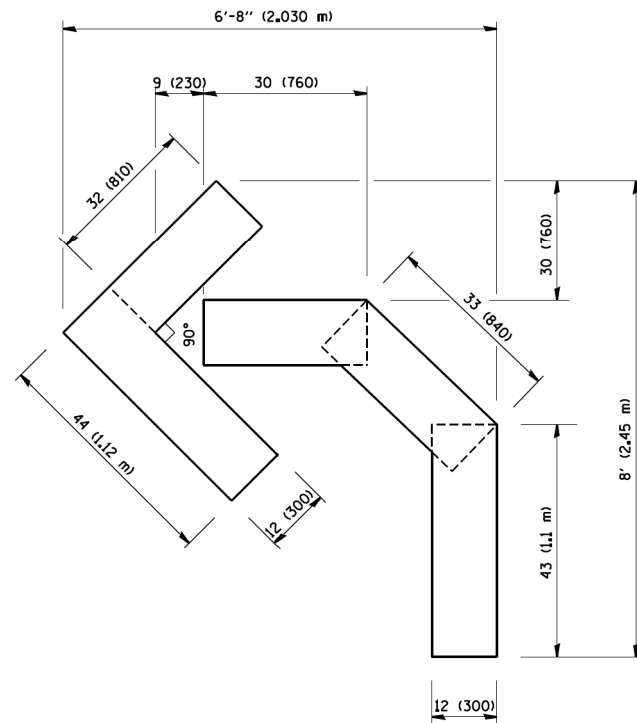
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	331
TC-13		CONTRACT NO. 62B33		
ILLINOIS FED. AID PROJECT				



QUANTITY
 4 (100) LINE = 64.1 ft. (19.7 m)
 21.1 sq. ft. (1.97 sq. m)



QUANTITY
 4 (100) LINE = 82.5 ft. (25.3 m)
 27.5 sq. ft. (2.53 sq. m)



QUANTITY
 4 (100) LINE = 45.5 ft. (13.9 m)
 15.2 sq. ft. (1.39 sq. m)

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

FILE NAME = c:\ywork\chking\nick_becker\transportation\dm1\B1\0162B33-111-df-ds11-2\06050E.dgn



USER NAME = nick_becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 48.0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION


PAVEMENT MARKING LETTERS AND SYMBOLS
 FOR TRAFFIC STAGING


SCALE: NTS SHEET 10 OF 14 SHEETS STA. N/A TO STA. N/A


F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	332
TC-16			62B33	
ILLINOIS FED. AID PROJECT				

FILE NAME = c:\ywork\ch\ng\nick_becker\transportation\dm11511062833-111-df-ds-11-200505E.dgn






ROUTE MARKERS

 FOR U.S. ROUTES
M1-40-2424






 FOR ILLINOIS ROUTES
M1-50-2424

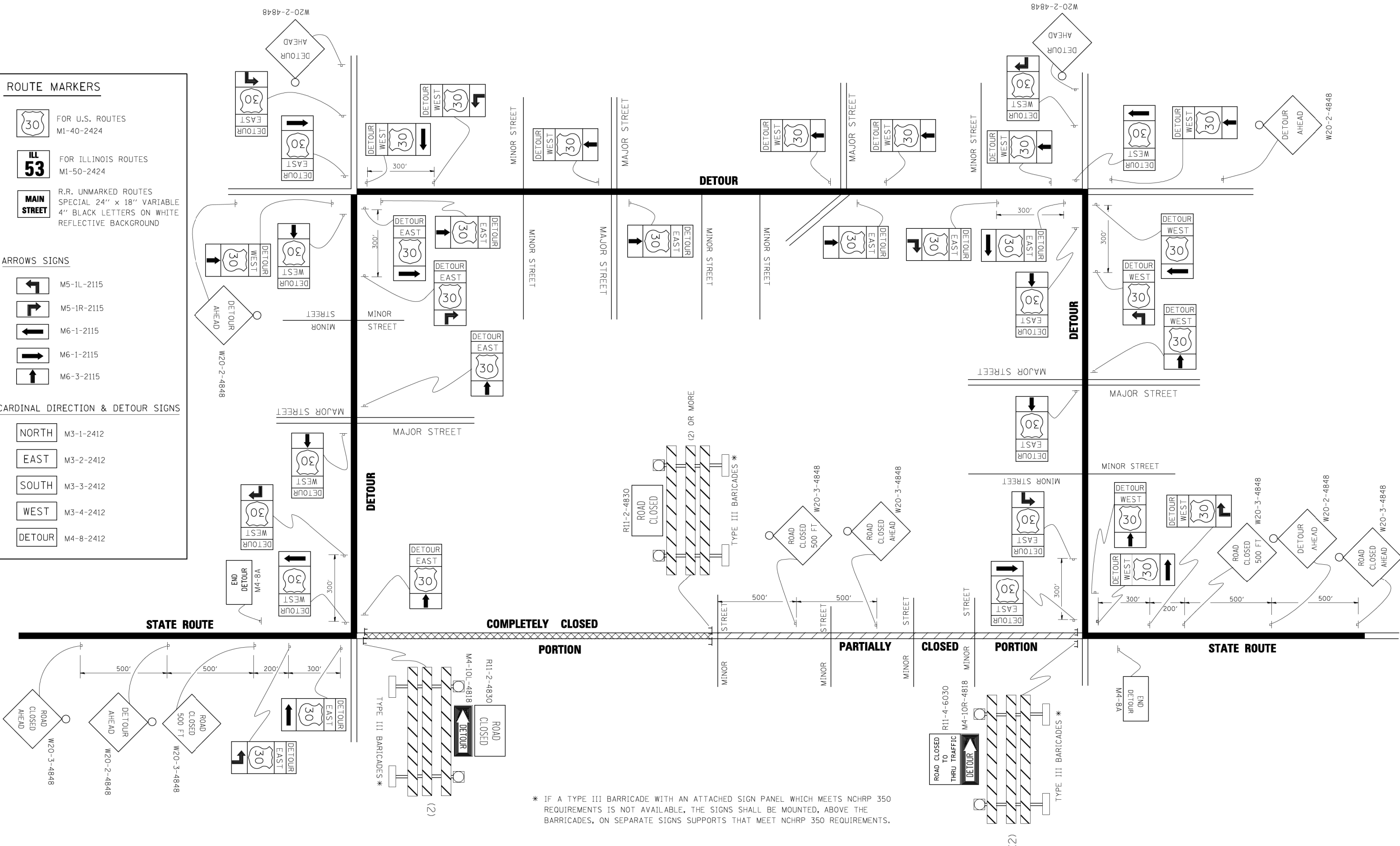
 R.R. UNMARKED ROUTES
SPECIAL 24" x 18" VARIABLE
4" BLACK LETTERS ON WHITE
REFLECTIVE BACKGROUND

ARROWS SIGNS

-  M5-1L-2115
-  M5-1R-2115
-  M6-1-2115
-  M6-1-2115
-  M6-3-2115

CARDINAL DIRECTION & DETOUR SIGNS

-  NORTH M3-1-2412
-  EAST M3-2-2412
-  SOUTH M3-3-2412
-  WEST M3-4-2412
-  DETOUR M4-8-2412



* IF A TYPE III BARRICADE WITH AN ATTACHED SIGN PANEL WHICH MEETS NCHRP 350 REQUIREMENTS IS NOT AVAILABLE, THE SIGNS SHALL BE MOUNTED, ABOVE THE BARRICADES, ON SEPARATE SIGNS SUPPORTS THAT MEET NCHRP 350 REQUIREMENTS.



USER NAME = nick_becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISED -	
PLOT SCALE = 48.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

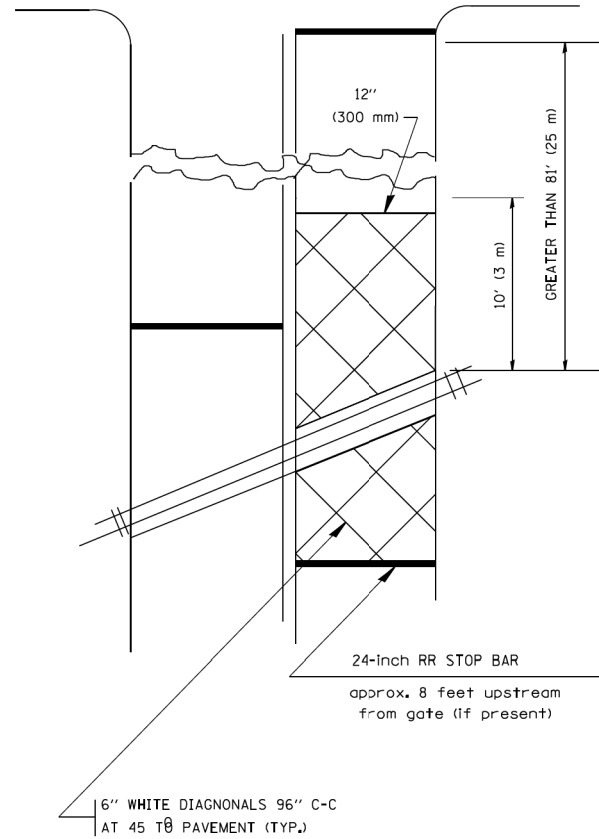
**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**DETOUR SIGNING
FOR CLOSING STATE HIGHWAYS**

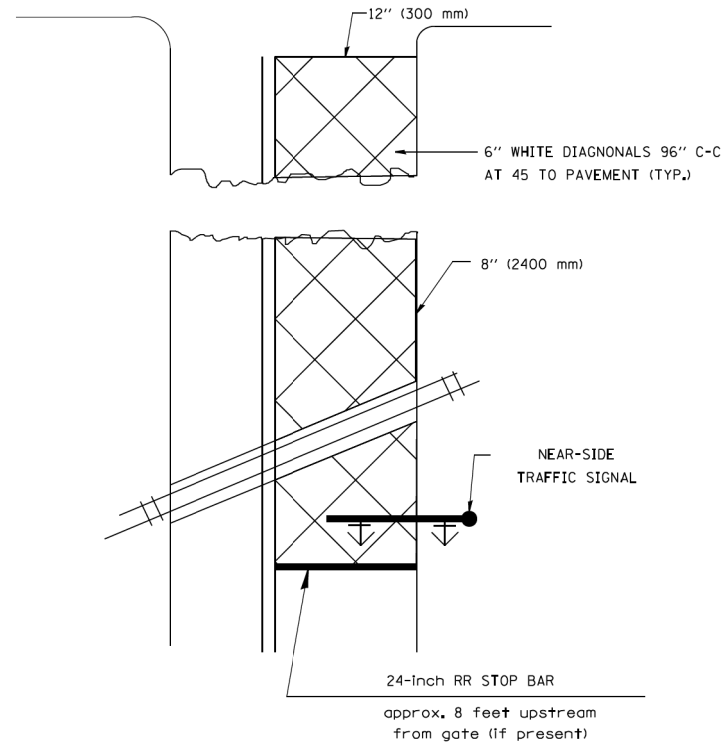
SCALE: NTS SHEET 11 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
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TC-21			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				

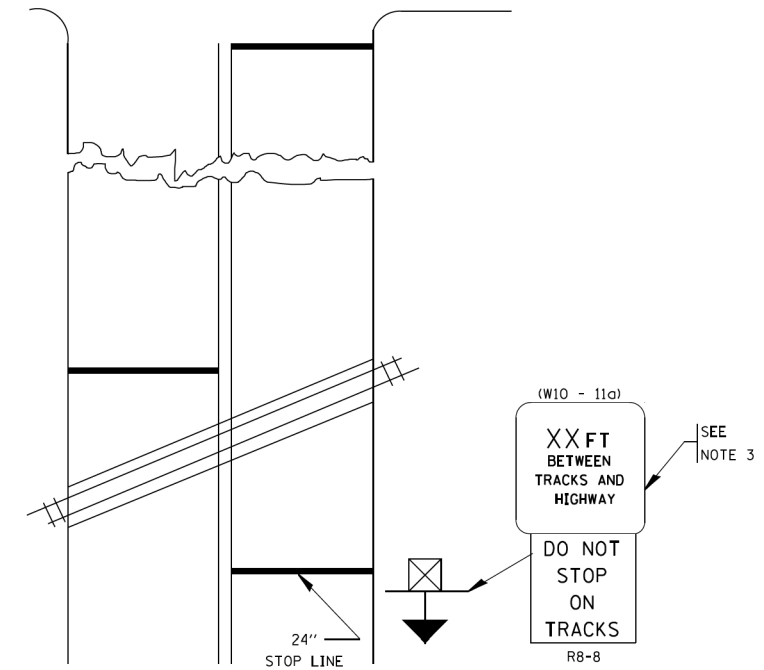
WITH INTERSECTION TRAFFIC SIGNALS
(SEE NOTE 1)



WITH NEAR-SIDE TRAFFIC SIGNALS
(SEE NOTE 1 & 2)



WITH NONSIGNALIZED INTERSECTION
81' (25 m) OR LESS TO CLOSEST RAIL



PLAN
N. T. S.

PLAN
N. T. S.

NOTES:

- PAVEMENT MARKINGS TO BE INSTALLED ON APPROACHES TO INTERSECTIONS CONTROLLED BY TRAFFIC SIGNALS WHICH ARE INTERCONNECTED WITH THE RAILROAD WARNING SIGNALS.
- WHERE NEAR-SIDE TRAFFIC SIGNALS ARE USED, THE PAVEMENT MARKINGS EXTENDS TO THE INTERSECTION.
- DISTANCE TO BE SHOWN ON SIGN MEASURED FROM A POINT 6 FEET (1.8 m) FROM THE RAIL CLOSEST TO THE INTERSECTION TO THE STOP LINE OR CROSSWALK, WHICHEVER IS CLOSEST, ROUNDED DOWN TO THE NEAREST 5 FEET (1.5 m). WHERE THERE IS NO STOP LINE, MEASURE TO POINT WHERE THE DRIVER HAS A VIEW OF APPROACHING TRAFFIC.
THE CLEARANCE SIGN IS ALSO TO BE USED AS AN INTERIM MEASURE AT LOCATIONS WITH INTERCONNECTED INTERSECTION TRAFFIC SIGNALS WHERE IT IS PLANNED TO CHANGE THEM TO NEAR-SIDE SIGNALS AT A FUTURE TIME. IN THIS CASE, THE DISTANCE TO BE SHOWN ON THE SIGN IS MEASURED FROM THE EDGE OF THE STRIPED-OUT AREA INSTEAD OF 6-FEET FROM THE RAIL. THE SIGN IS TO BE REMOVED WHEN THE NEAR-SIDE SIGNALS ARE INSTALLED AND THE PAVEMENT MARKINGS EXTEND TO THE INTERSECTION.

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

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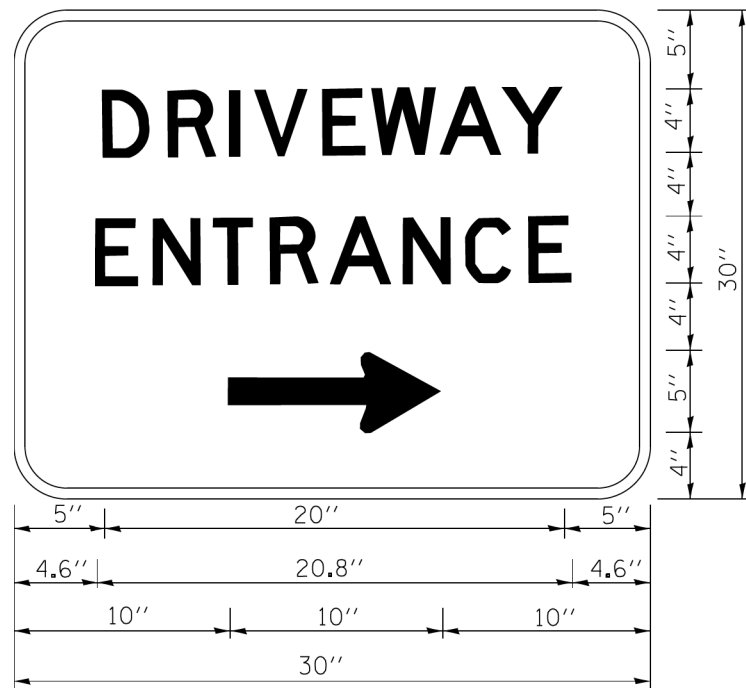


USER NAME = nick_becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 40.0000' / in.	DRAWN - BWL, EKS	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

TYPICAL SUPPLEMENTAL SIGNING AND PAVEMENT MARKING TREATMENT FOR RAILROAD CROSSINGS			
SCALE: NTS	SHEET 12 OF 14 SHEETS	STA. N/A TO STA. N/A	

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	334
TC-23			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				



3.0" RADIUS, 0.5" BORDER, WHITE ON GREEN; REFLECTORIZED
 "DRIVEWAY" D; "ENTRANCE" D; STANDARD ARROW CUSTOM 12.0" x 5.0"

NOTES:

1. HALF OF THE SIGNS WILL REQUIRE A LEFT HAND FACING ARROW.
2. TWO SIGNS SHALL BE USED AT EACH COMMERCIAL ENTRANCE
 PLACED BACK-TO-BACK; ONE WITH A RIGHT HAND ARROW (SHOWN)
 SHALL BE PLACED ON THE NEAR RIGHT SIDE THE DRIVEWAY
 AND ONE WITH A LEFT HAND ARROW SHALL BE PLACED ON THE
 FAR LEFT SIDE OF THE DRIVEWAY.
3. SIGNS TO BE PAID FOR AS ITEM "TEMPORARY INFORMATION SIGNING".

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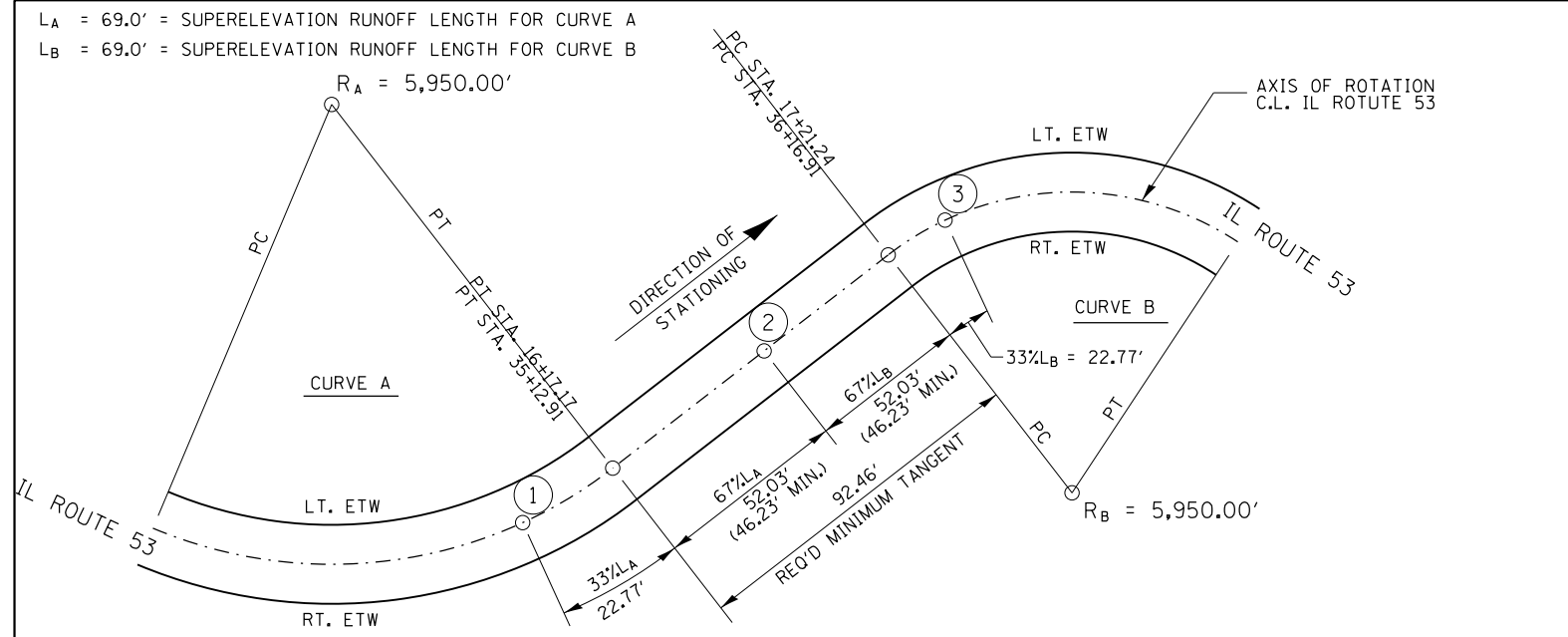
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PLOT SCALE = 48.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

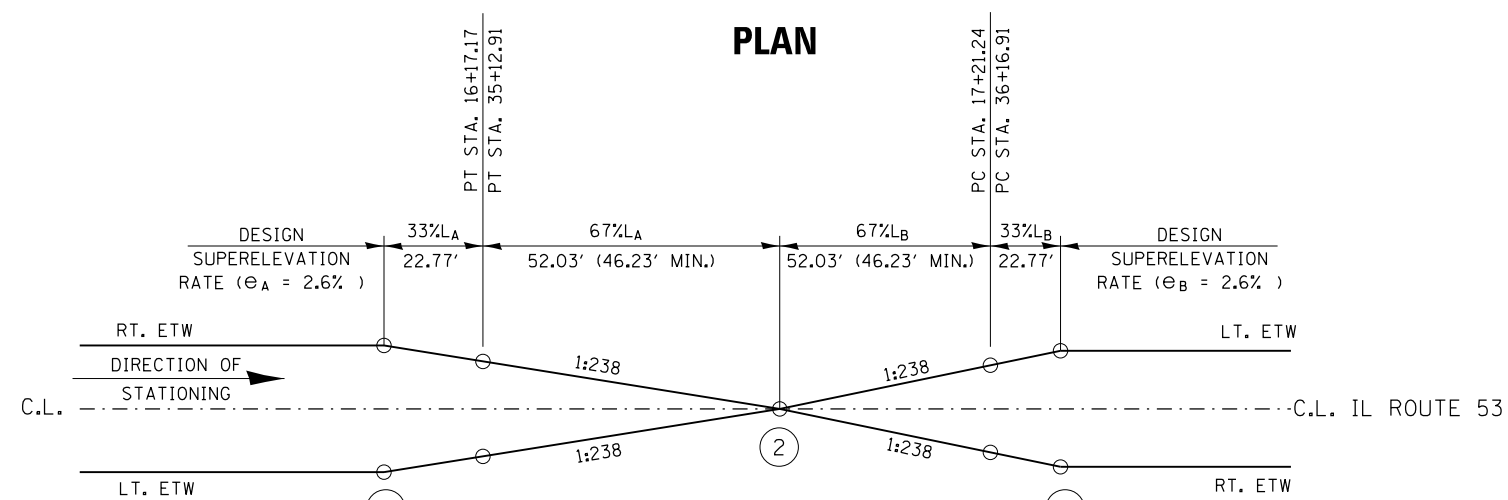
DRIVEWAY ENTRANCE SIGNING

SCALE: NTS SHEET 13 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	335
TC-26			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				



PLAN

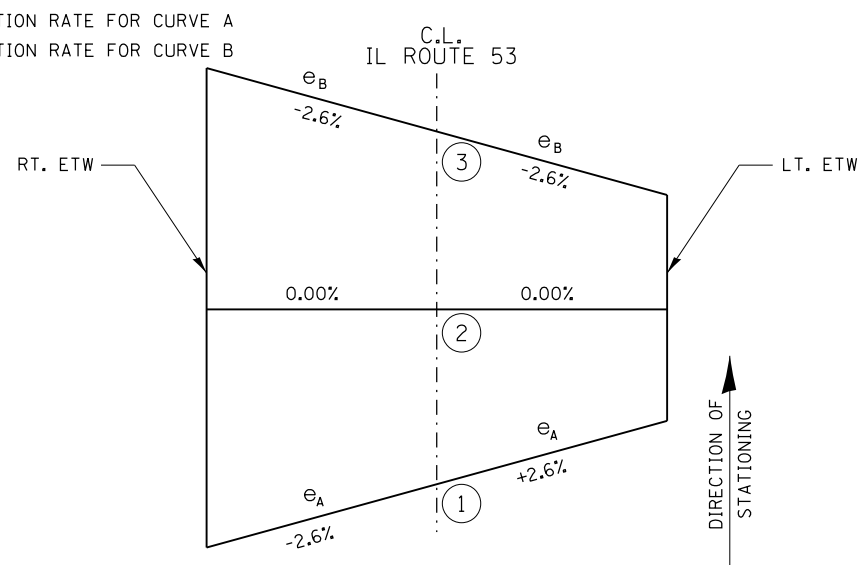


PROFILE

CURVE A

$e_A = 2.6\%$ = DESIGN SUPERELEVATION RATE FOR CURVE A

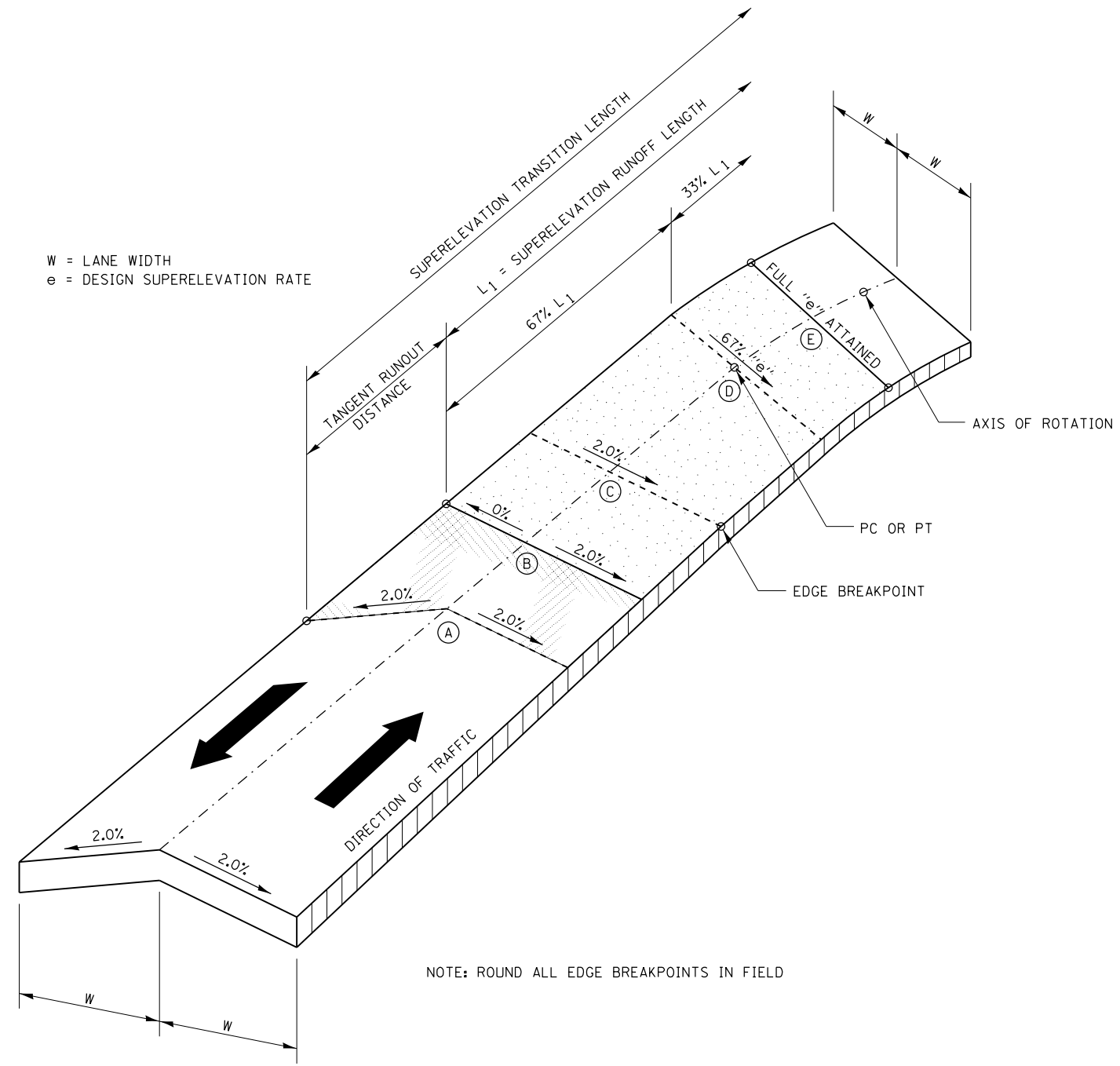
$e_B = 2.6\%$ = DESIGN SUPERELEVATION RATE FOR CURVE B



CROSS SECTIONS

SUPERELEVATION TRANSITIONS ON REVERSE CURVES

W = LANE WIDTH
 e = DESIGN SUPERELEVATION RATE



NOTE: ROUND ALL EDGE BREAKPOINTS IN FIELD

TRANSITION CURVE TABLE

CURVE PI STA.	SUPERELEVATION "e"	W	SUPERELEVATION TRANSITION LENGTH	TANGENT RUNOUT DISTANCE	SUPERELEVATION RUNOUT LENGTH
14+14.75	2.6%	12.00'	122.00'	53.00'	69.00'
19+33.48	2.6%	12.00'	122.00'	53.00'	69.00'
33+35.29	2.6%	12.00'	122.00'	53.00'	69.00'
38+00.33	2.6%	12.00'	122.00'	53.00'	69.00'

SUPERELEVATION TRANSITION ON TWO-LANE HIGHWAY

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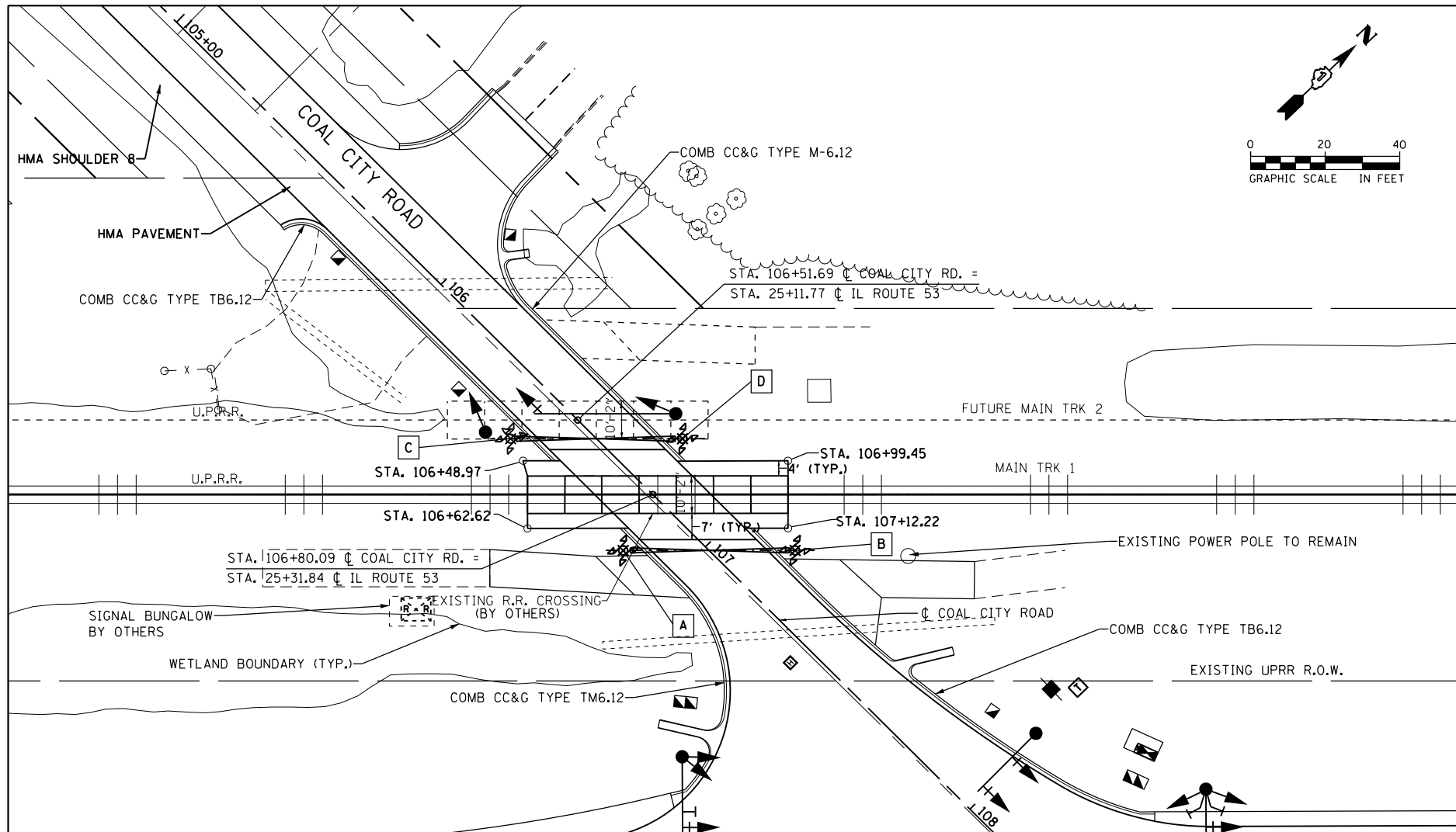


USER NAME = nick.becker	DESIGNED - JLM	REVISED -
DRAWN - BWL, EKS	REVISED -	
PLOT SCALE = 40.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

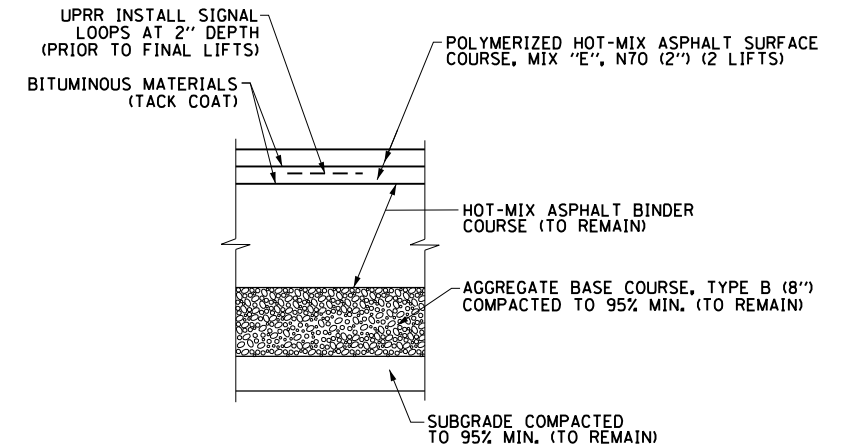
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: NTS SHEET 14 OF 14 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE. 846	SECTION DIHSRR2016-02&03	COUNTY WILL	TOTAL SHEETS 580	SHEET NO. 336
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

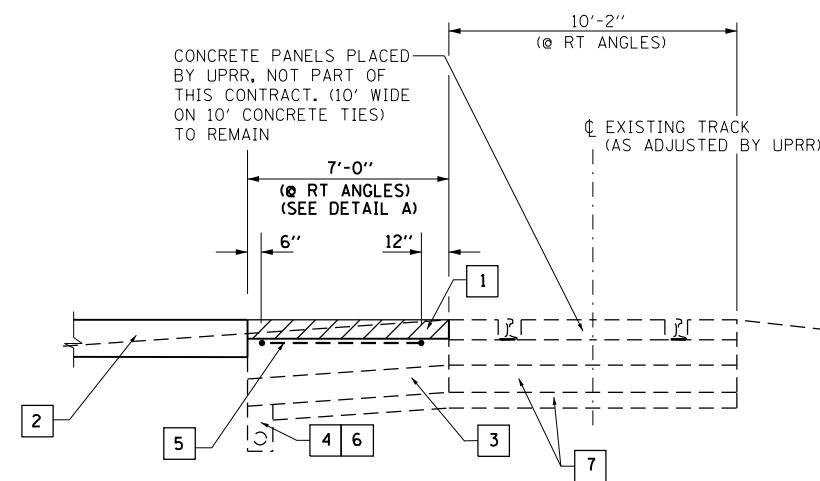


- A STA. 106+85.01, 16.25 RT. (N 1683930.1212, E 1026625.9692)
- B STA. 107+17.75, 16.25' LT. (N 1683963.5616, E 1026657.7544)
- C STA. 106+42.42, 16.25' RT. (N 1683928.8803, E 1026583.3999)
- D STA. 106+75.17, 16.25' LT. (N 1683962.3207, E 1026615.1851)

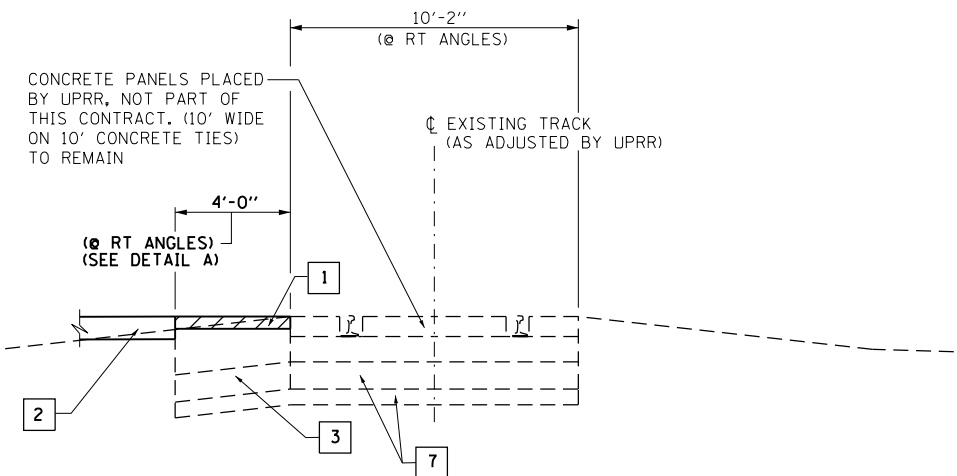


DETAIL A
TYPICAL PAVEMENT STRUCTURE AT RAIL CROSSING

GRADE CROSSING DETAIL



PAVEMENT AT RAIL CROSSING DETAIL



SHOULDER AT RAIL CROSSING DETAIL

- 1 CONTRACTOR TO MILL PAVEMENT TO 4" BELOW PROPOSED ROADWAY PGL. PLACE 4" HMA SURFACE COURSE.
- 2 SEE PAVEMENT SECTION SHOWN ON ROADWAY TYPICAL SECTION SHEET.
- 3 AGGREGATE BASE COURSE, TYPE B. (8") (TO REMAIN)
- 4 POROUS GRANULAR BACKFILL WITH PIPE UNDERDRAIN 6". (TO REMAIN)
- 5 CONTRACTOR TO COORDINATE WITH UPRR SIGNAL REGARDING PLACEMENT OF DETECTOR LOOPS.
- 6 GEOTECHNICAL FABRIC AND UNDERDRAIN. (TO REMAIN)
- 7 BALLAST AND SUBBALLAST. (TO REMAIN)

FILE NAME = c:\neworking\nick.becker\transportation\dm1151\0162833-111-df-dt-11-RR-01-2-050905.dgn



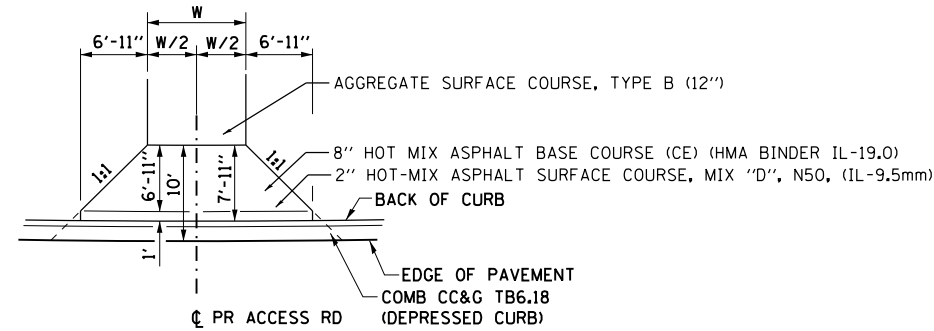
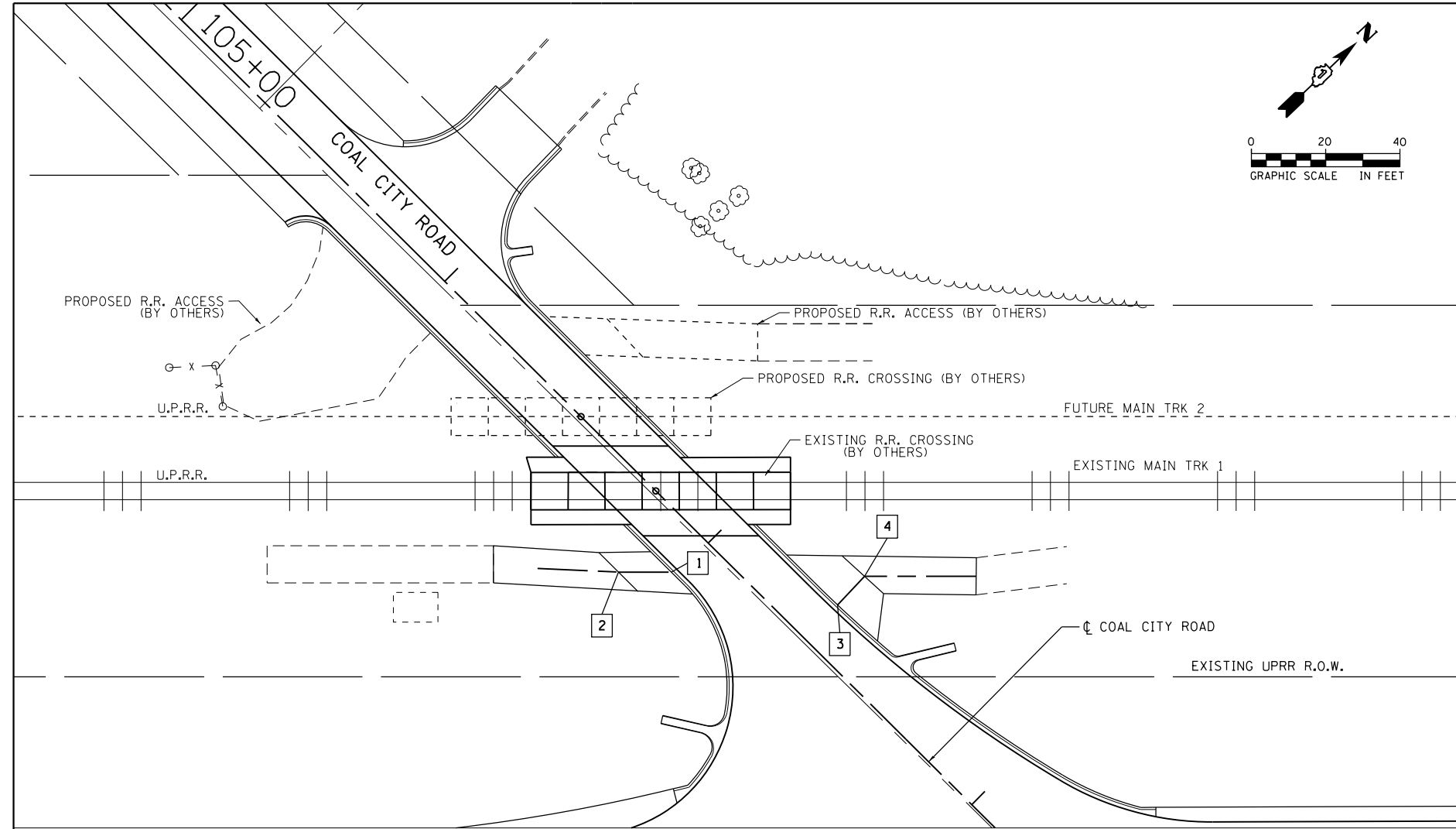
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	DRAWN - BWL, EKS	REVISED -
PLOT SCALE = 40.0000 Ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

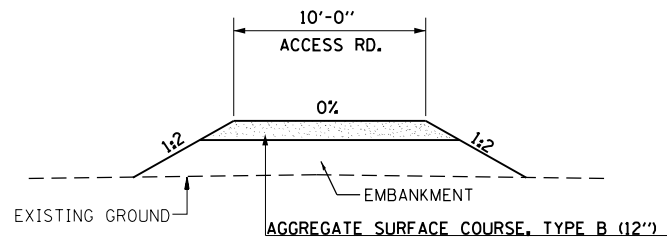
CONSTRUCTION DETAILS
RAILROAD CROSSING - COAL CITY ROAD

SCALE: 1" = 20' SHEET 1 OF 2 SHEETS STA. TO STA.

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	337
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	



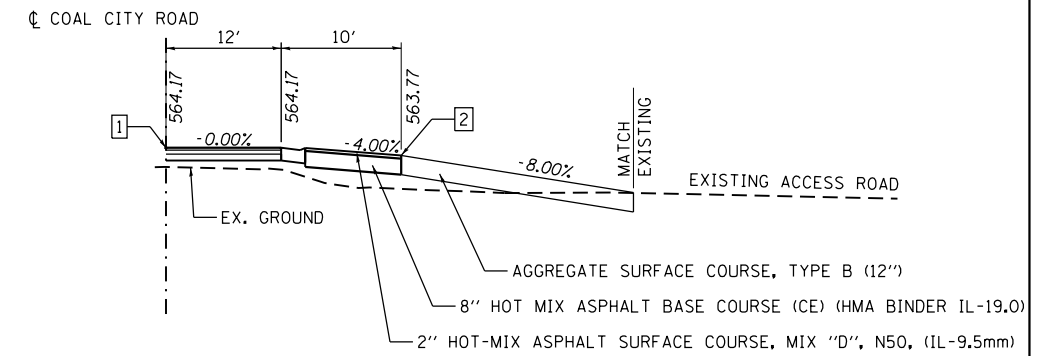
ACCESS ROAD APRON DETAIL
N.T.S



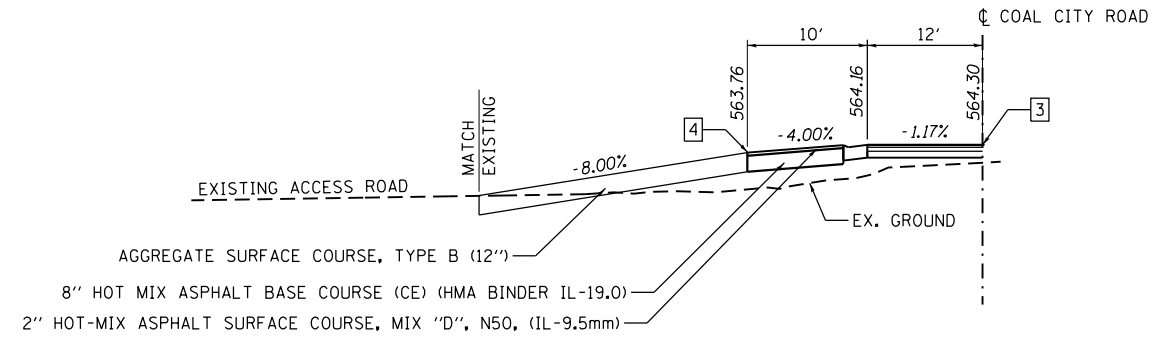
ACCESS ROAD TYPICAL SECTION
N.T.S

DETAIL OF ACCESS ROADS
(COAL CITY ROAD)

- 1 STA. 106+98.43, 12.58' RT. (N 1683934.1777, E 1026639.2760)
- 2 STA. 106+88.35, 22.58' RT. (N 1683923.8884, E 1026629.4960)
- 3 STA. 107+36.48, 12.70' LT. (N 1683960.5557, E 1026676.5748)
- 4 STA. 107+36.21, 23.31' LT. (N 1683971.1527, E 1026675.9943)



PROFILE
STA. 106+98.43 (RT)



PROFILE
STA. 107+36.48 (LT)

FILE NAME: c:\ywork\working\nick.becker\transportation\dm1151\062833-akt-detailed-RR_02-200605.dgn



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	DRAWN - ATB	REVISED -
PLOT SCALE = 40.0000 ft / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

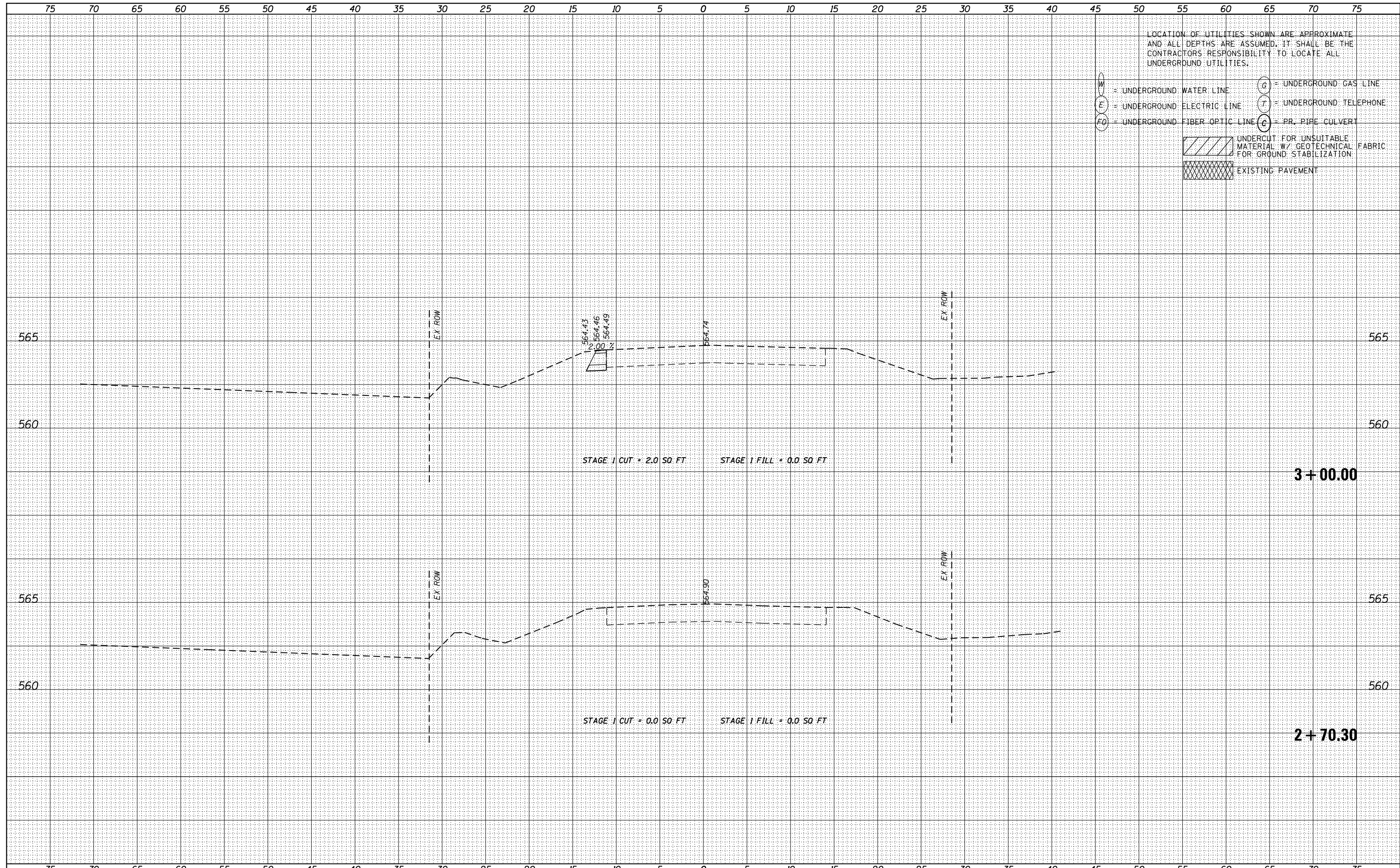
CONSTRUCTION DETAILS
ACCESS ROAD - COAL CITY ROAD

SCALE: 1" = 20' SHEET 2 OF 2 SHEETS STA. N/A TO STA. N/A

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	338
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
NO.	



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

- W = UNDERGROUND WATER LINE
- E = UNDERGROUND ELECTRIC LINE
- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

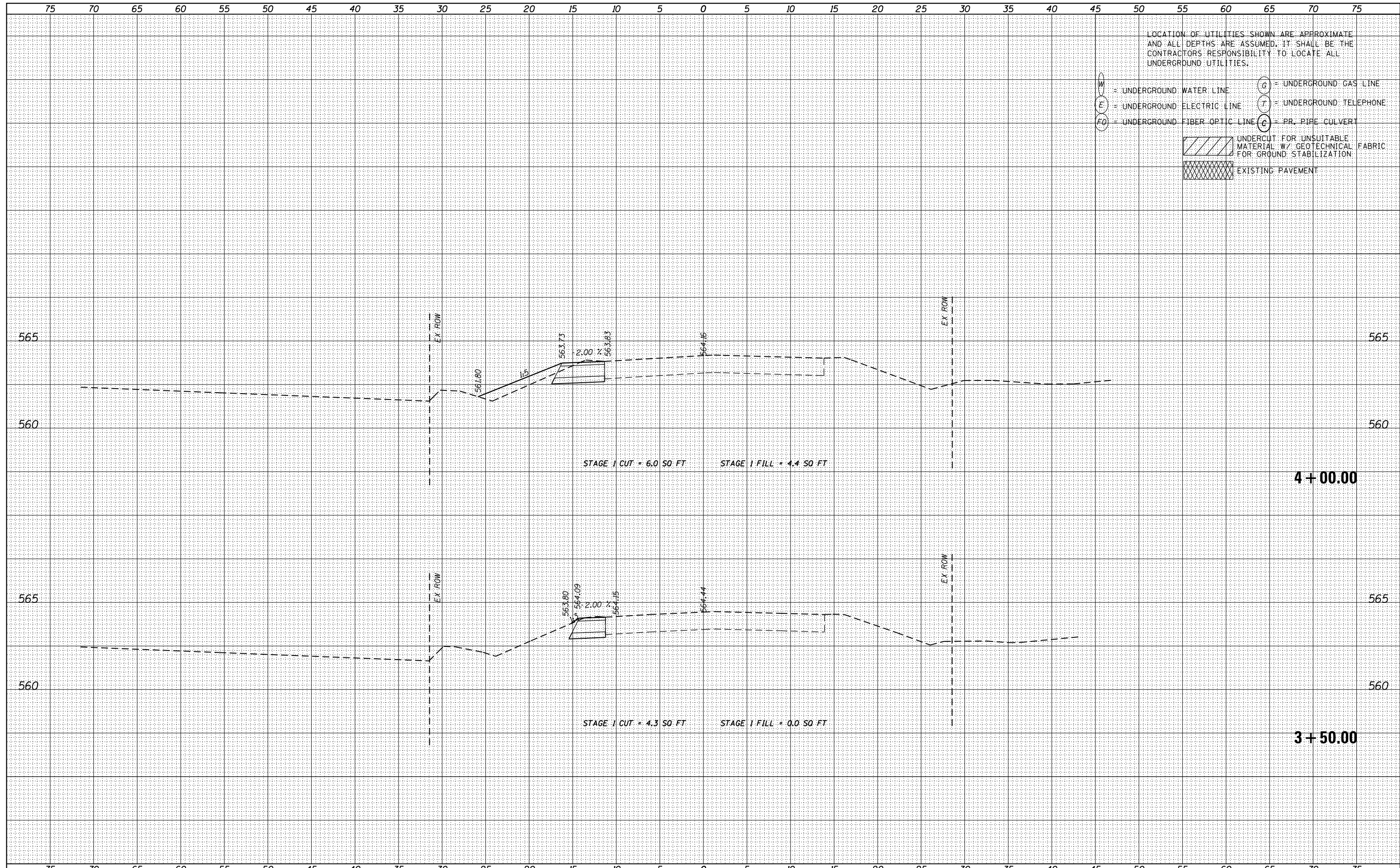
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'4,2.5'V SHEET 1 OF 55 SHEETS STA. 2+70.30 TO STA. 3+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	339
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE - 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE - 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

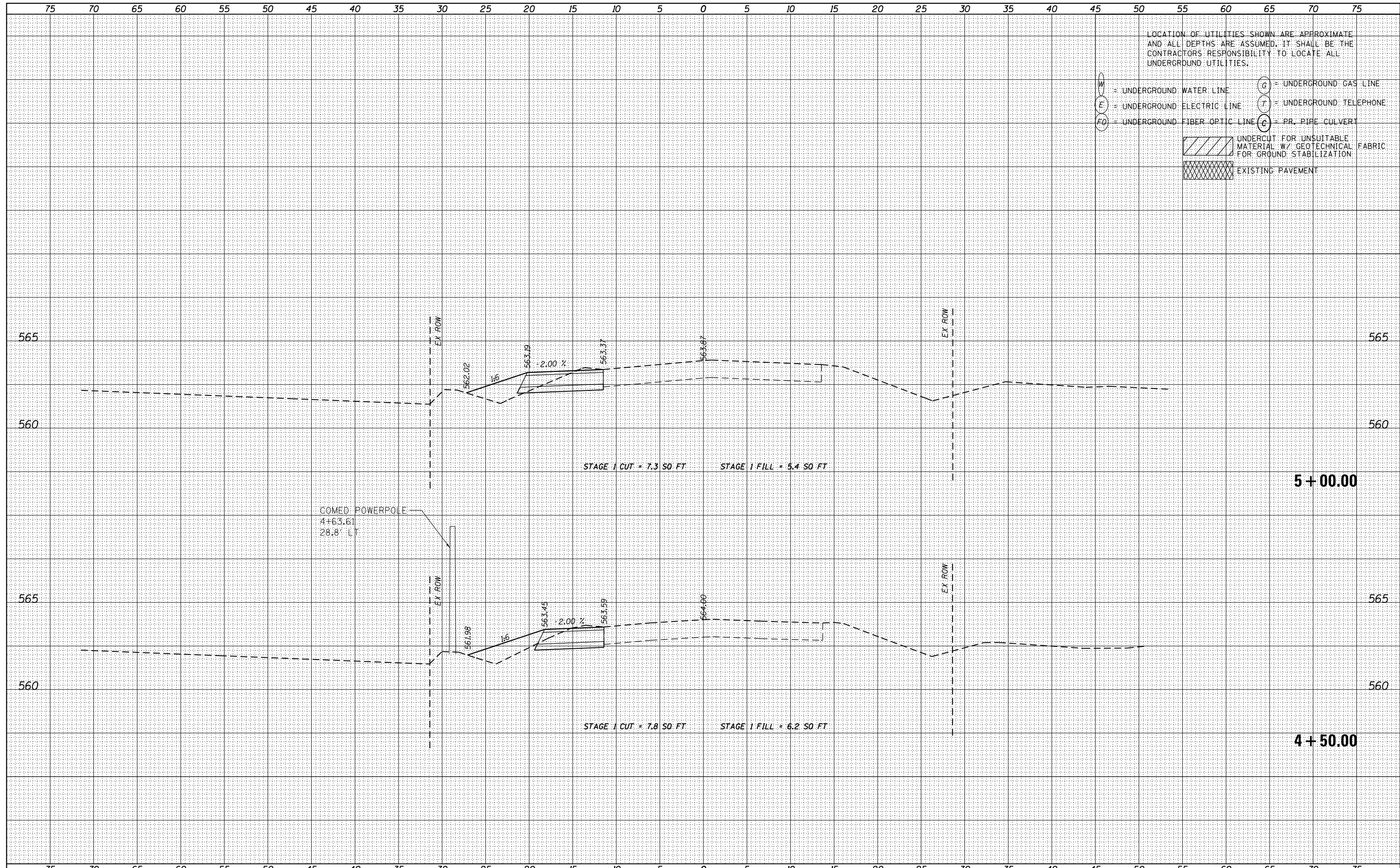
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 2 OF 55 SHEETS STA. 3+50.00 TO STA. 4+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	340
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

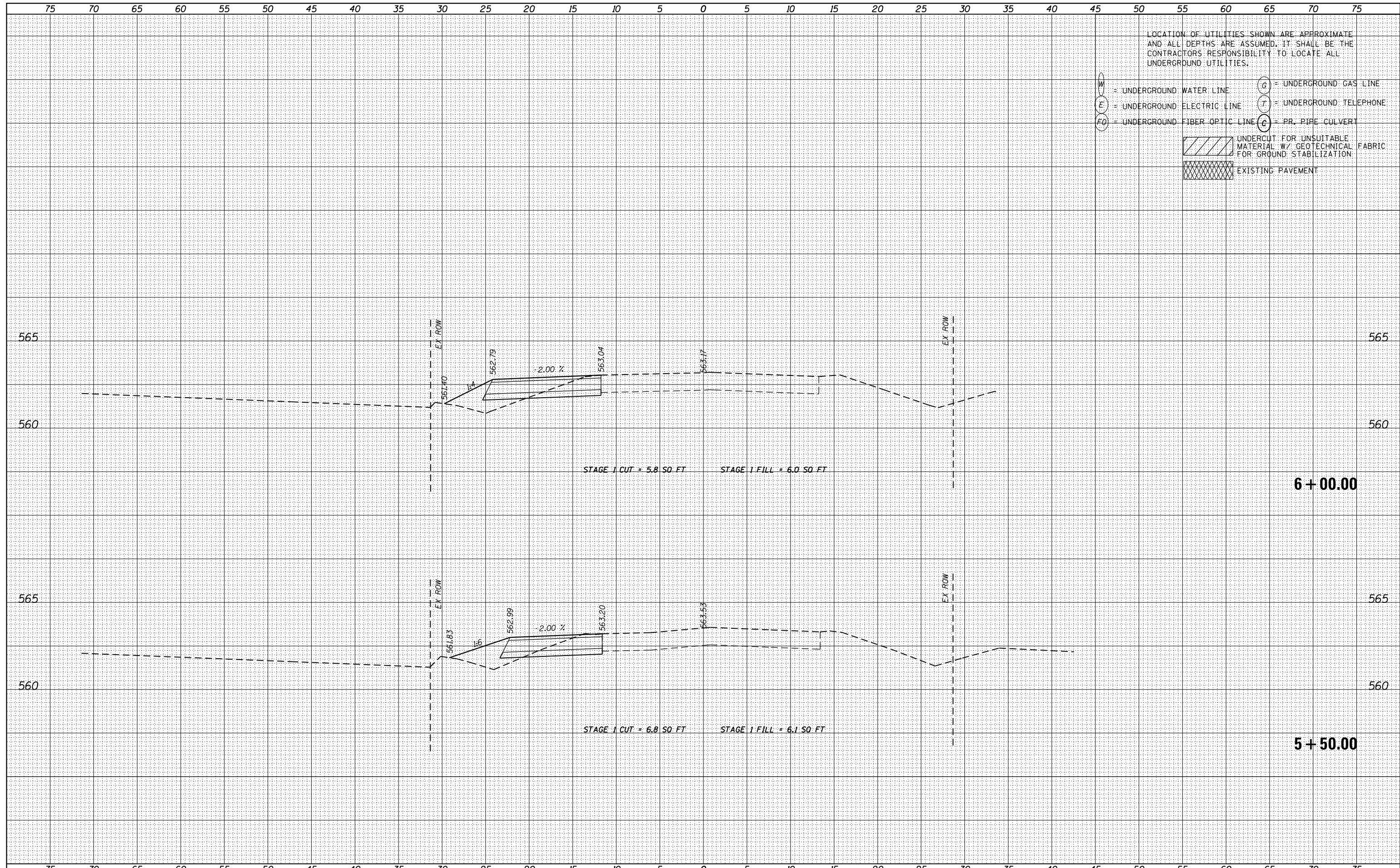
**CROSS SECTIONS
IL 53 - STAGE 1**

SCALE: 1"=5'H, 2.5'V SHEET 3 OF 55 SHEETS STA. 4+50.00 TO STA. 5+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	341
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

- W = UNDERGROUND WATER LINE
- E = UNDERGROUND ELECTRIC LINE
- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
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PLOT SCALE - 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE - 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

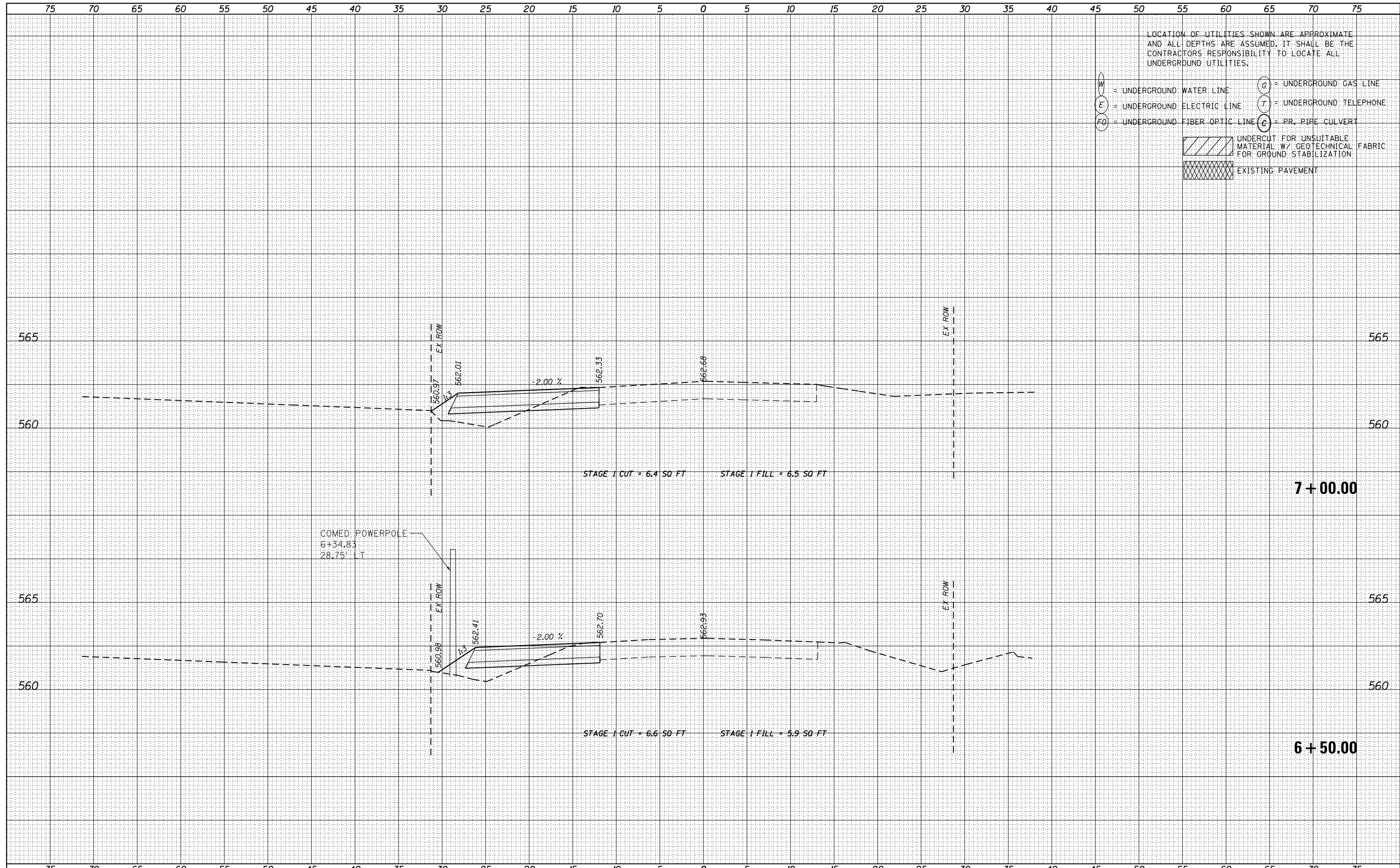
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 4 OF 55 SHEETS STA. 5+50.00 TO STA. 6+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	342
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
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- EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
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	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

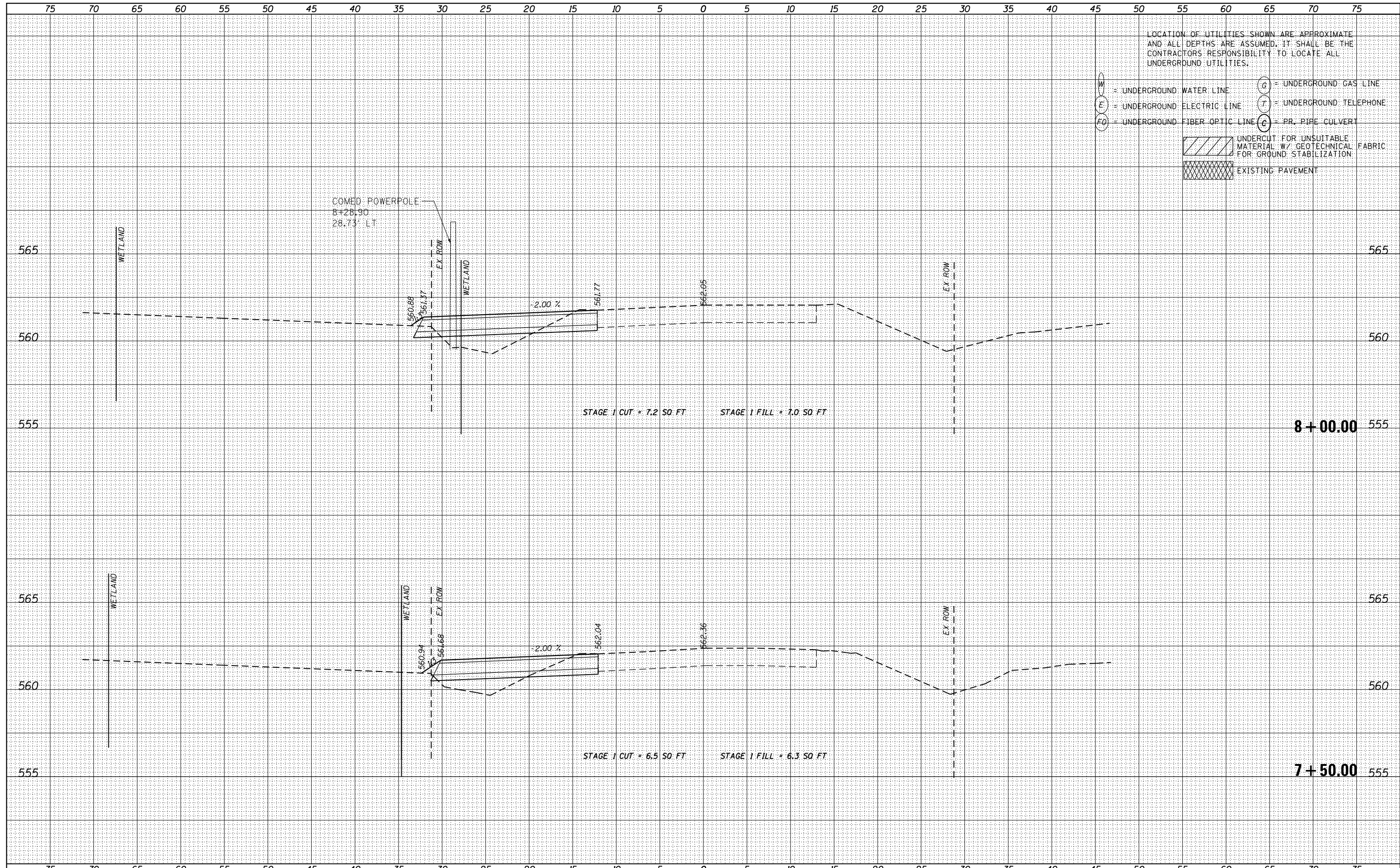
SCALE: 1"=5'H, 2.5'V SHEET 5 OF 55 SHEETS STA. 6+50.00 TO STA. 7+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	343
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

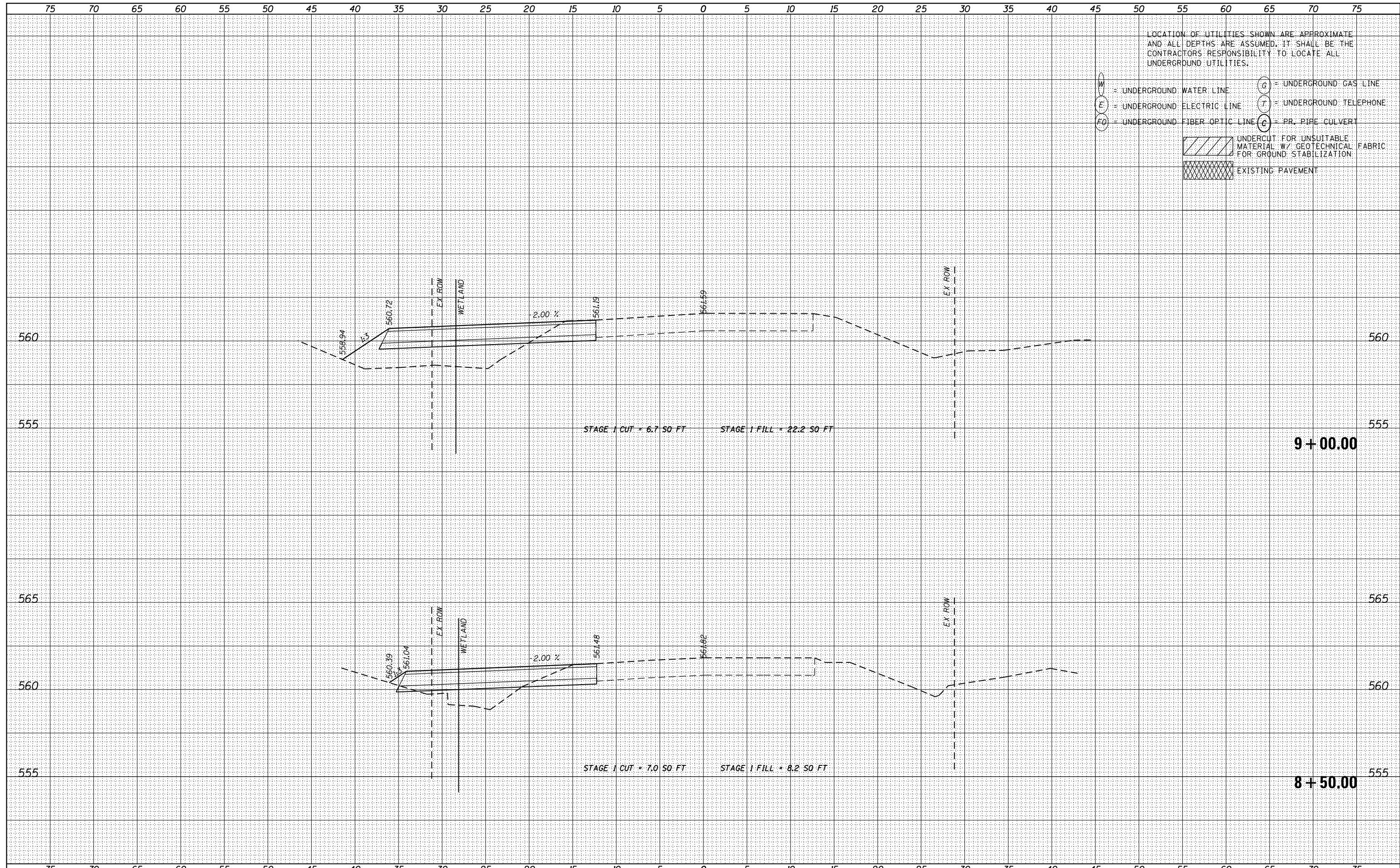
SCALE: 1"=5'H, 2.5' V SHEET 6 OF 55 SHEETS STA. 7+50.00 TO STA. 8+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHRR2016-02&03	WILL	580	344
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

DATE	
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FINAL SURVEY	SURVEYED
NOTE BOOK NO.	PLOTTED
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	AREAS CHECKED

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- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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STATE OF ILLINOIS
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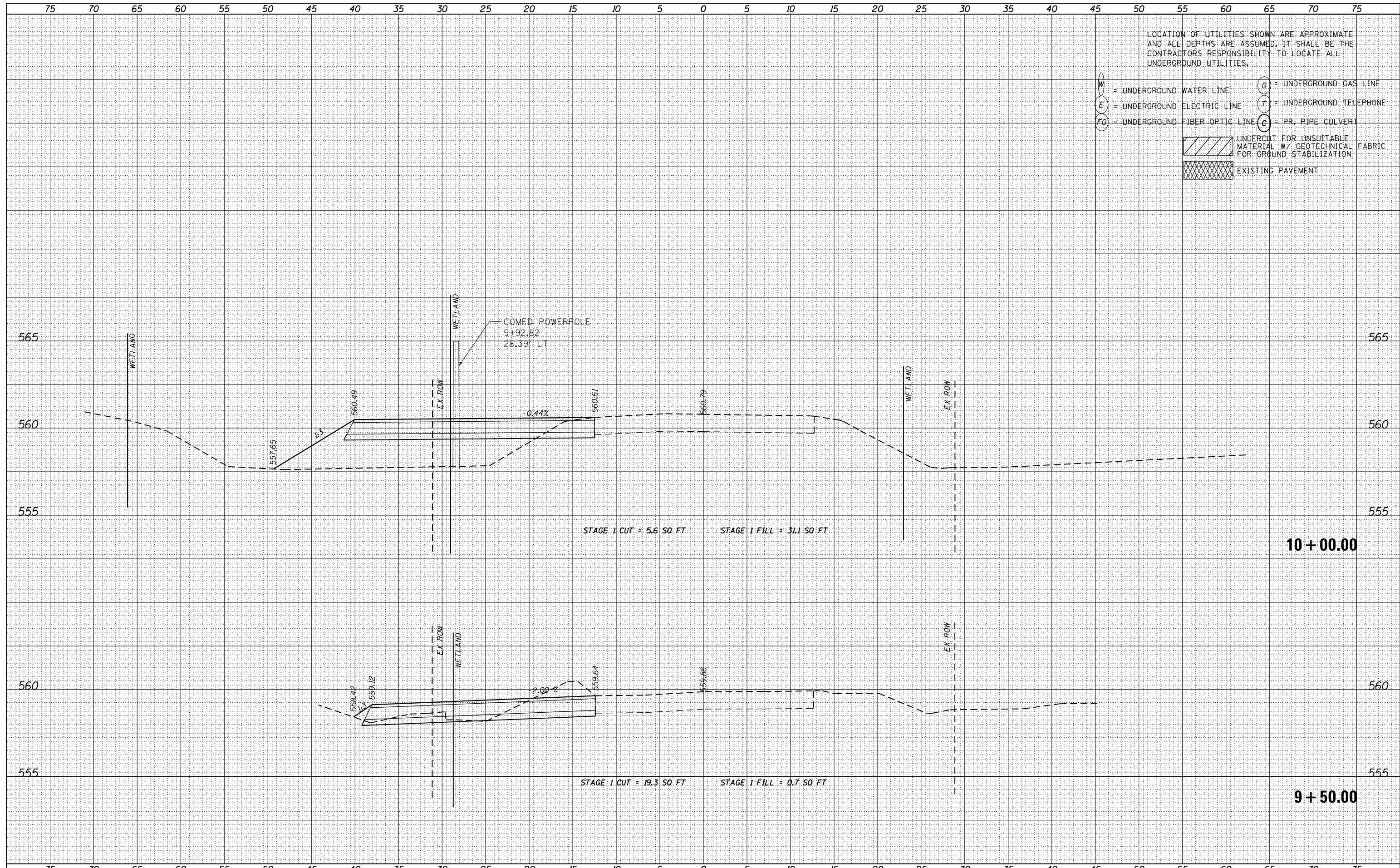
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 7 OF 55 SHEETS STA. 8+50.00 TO STA. 9+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	345
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 8 OF 55 SHEETS STA. 9+50.00 TO STA. 10+00.00

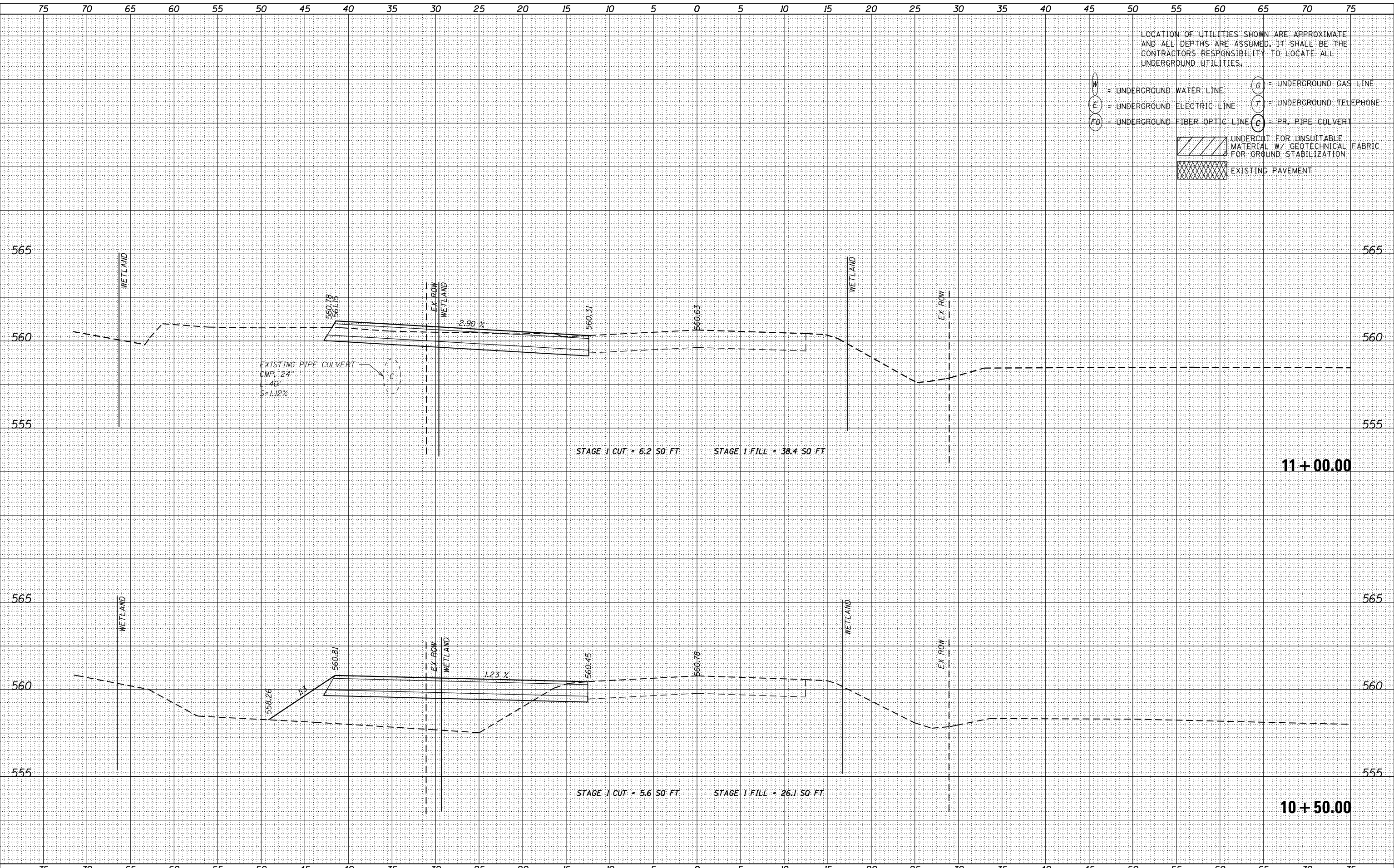
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	346
			CONTRACT NO. 62B33	
ILLINOIS FED. AID PROJECT				

DATE	
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- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

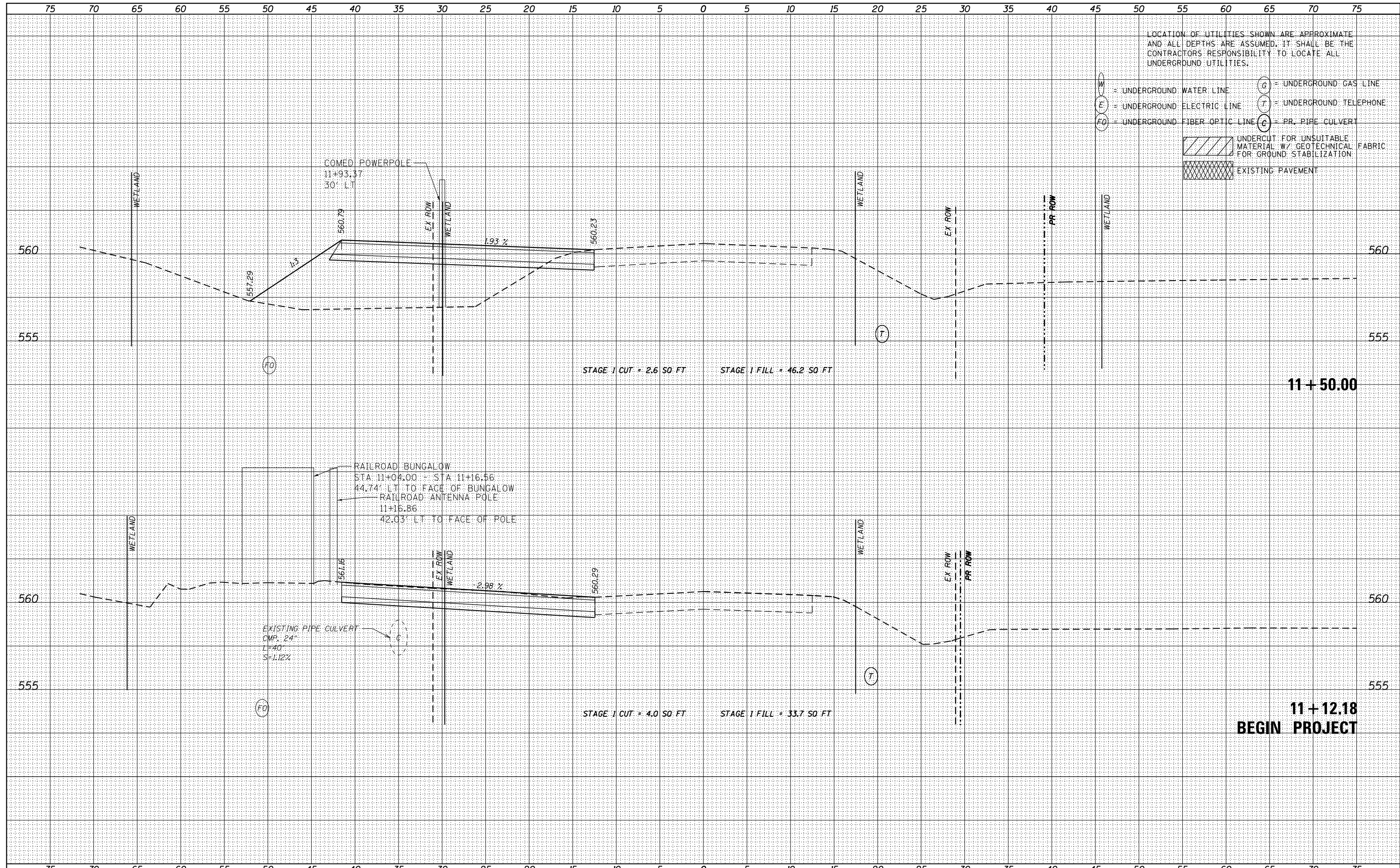
SCALE: 1"=5'H, 2.5'V SHEET 9 OF 55 SHEETS STA. 10+50.00 TO STA. 11+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	347
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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 C = PR. PIPE CULVERT

[Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 [Cross-hatched Box] EXISTING PAVEMENT

STAGE 1 CUT = 2.6 SQ. FT STAGE 1 FILL = 46.2 SQ. FT

STAGE 1 CUT = 4.0 SQ. FT STAGE 1 FILL = 33.7 SQ. FT

11 + 50.00

11 + 12.18
BEGIN PROJECT



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

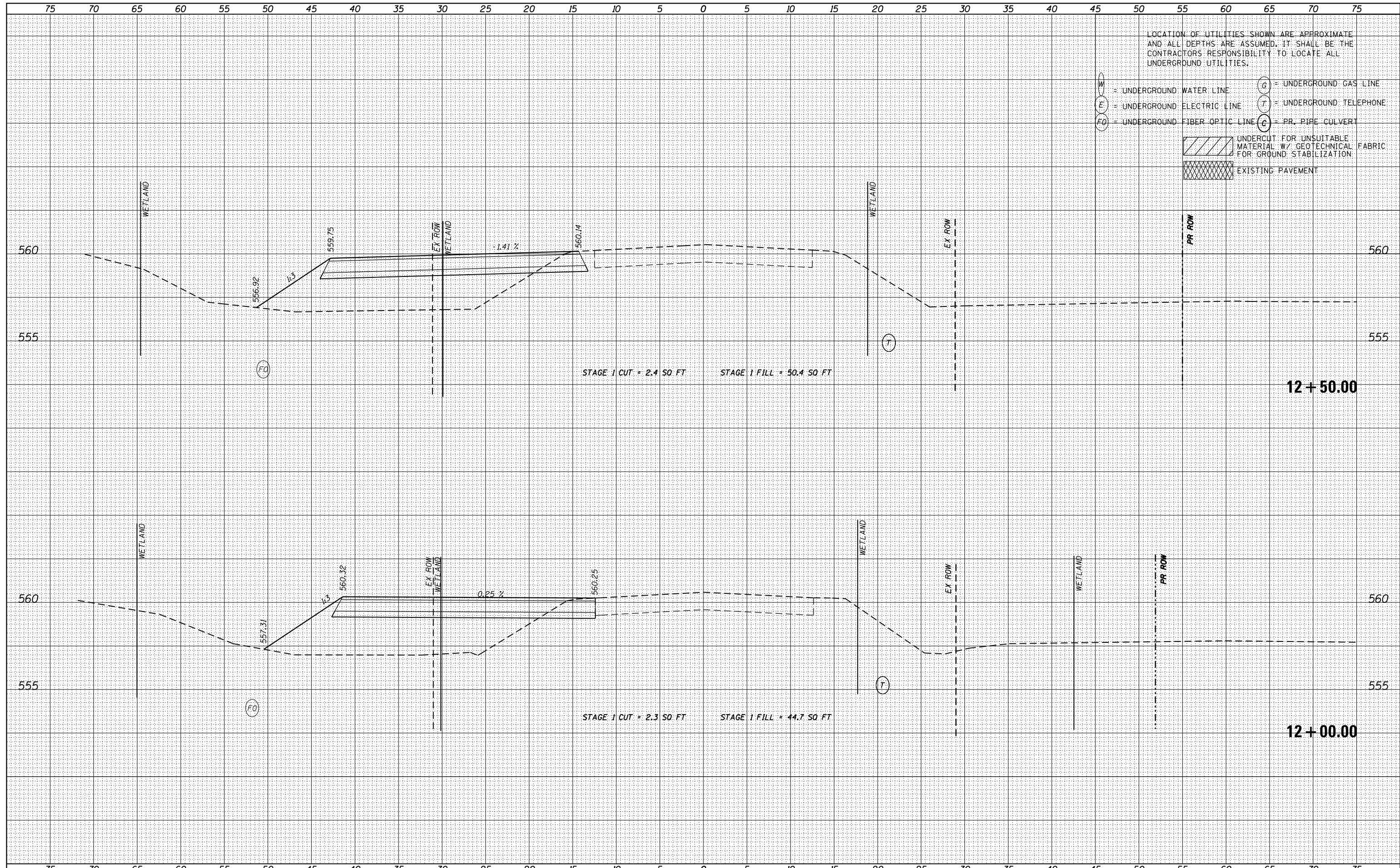
SCALE: 1"=5'4,2,5"V SHEET 10 OF 55 SHEETS STA. 11+12.18 TO STA. 11+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	348
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

DATE	
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- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

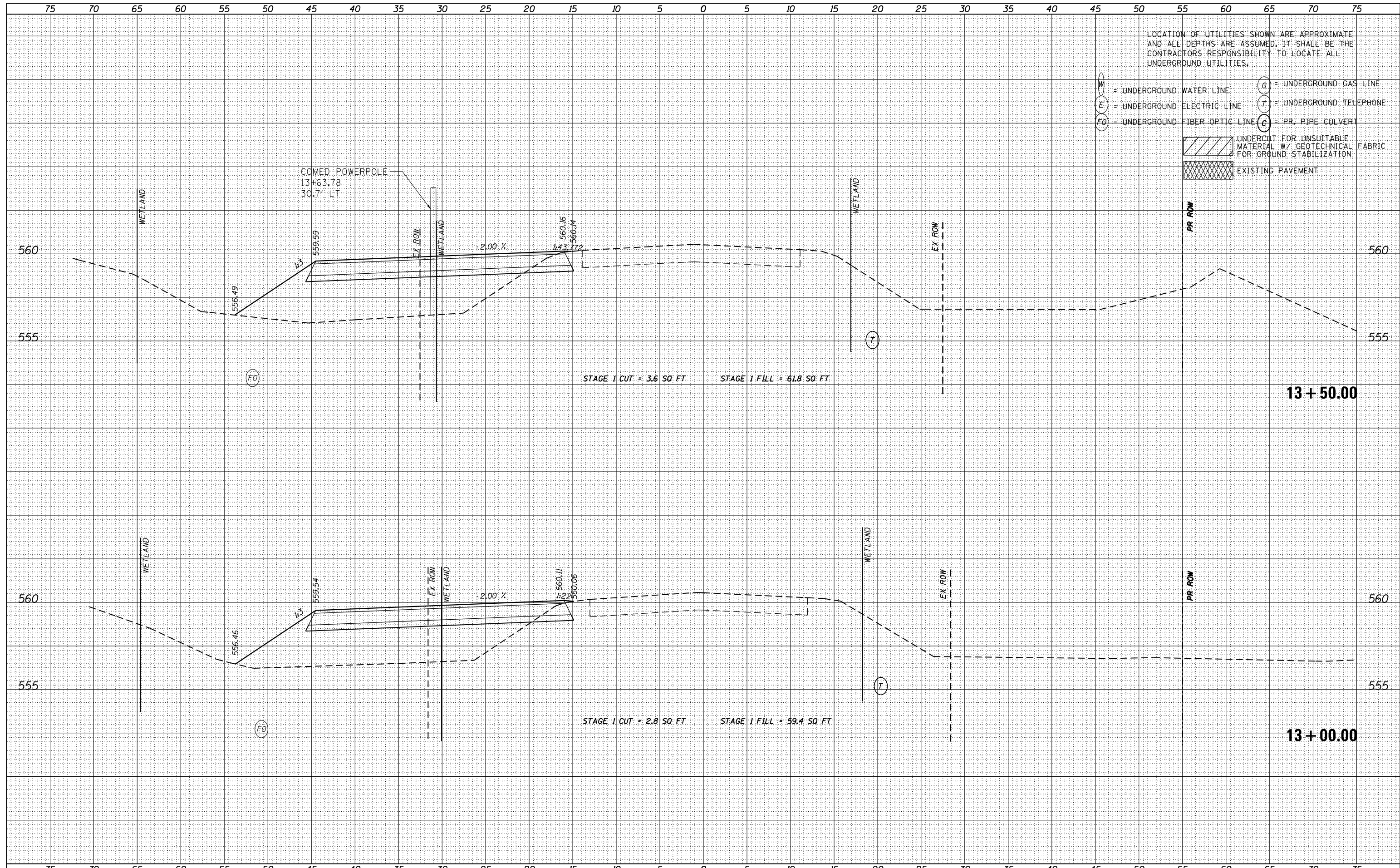
SCALE: 1"=5'H, 2.5'V SHEET 11 OF 55 SHEETS STA. 12+00.00 TO STA. 12+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	349
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

DATE	
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USER NAME - nick.becker	DESIGNED - JLM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

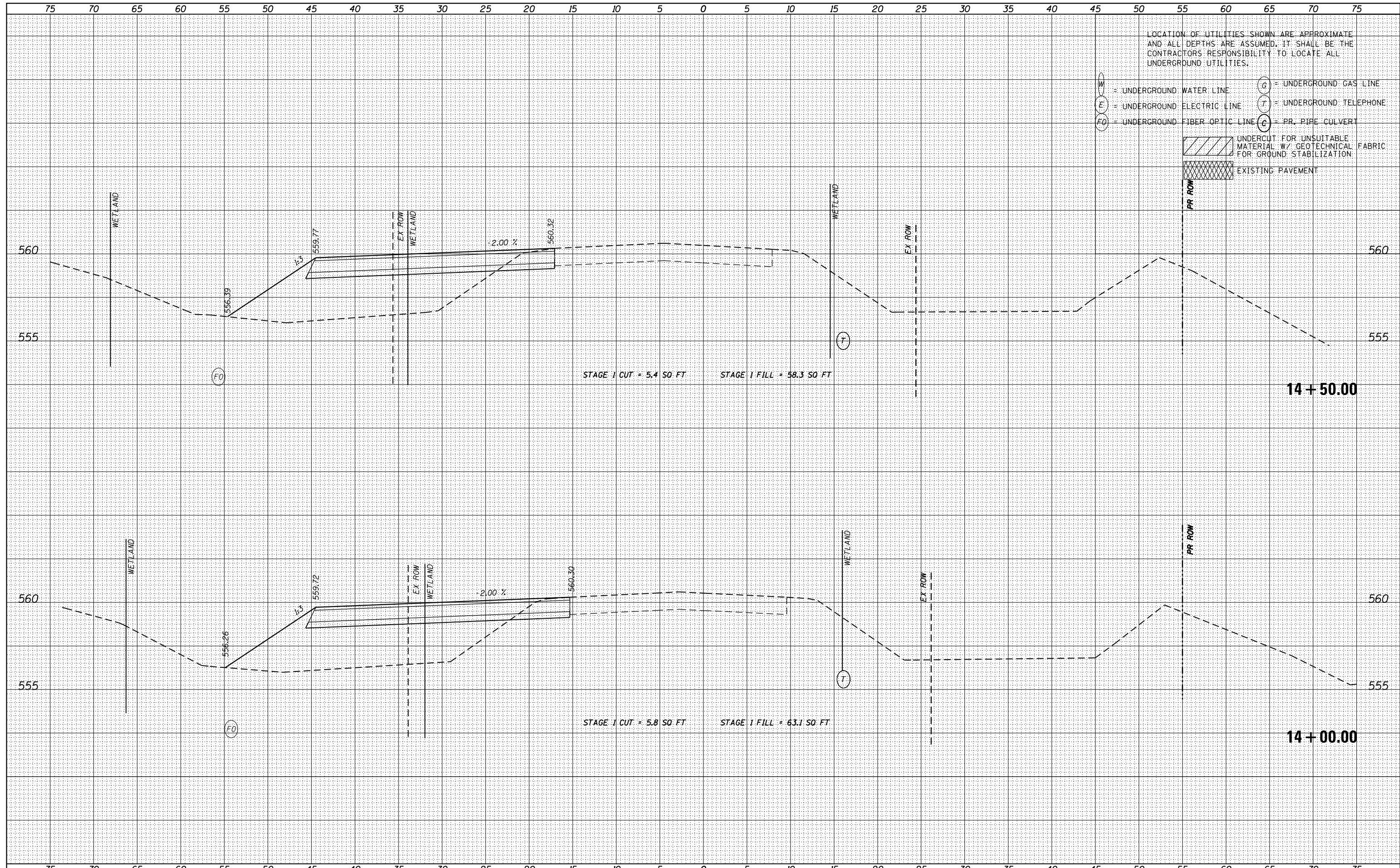
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'4,2,5"V SHEET 12 OF 55 SHEETS STA. 13+00.00 TO STA.13+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	350
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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USER NAME = nick.becker	DESIGNED - JLM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

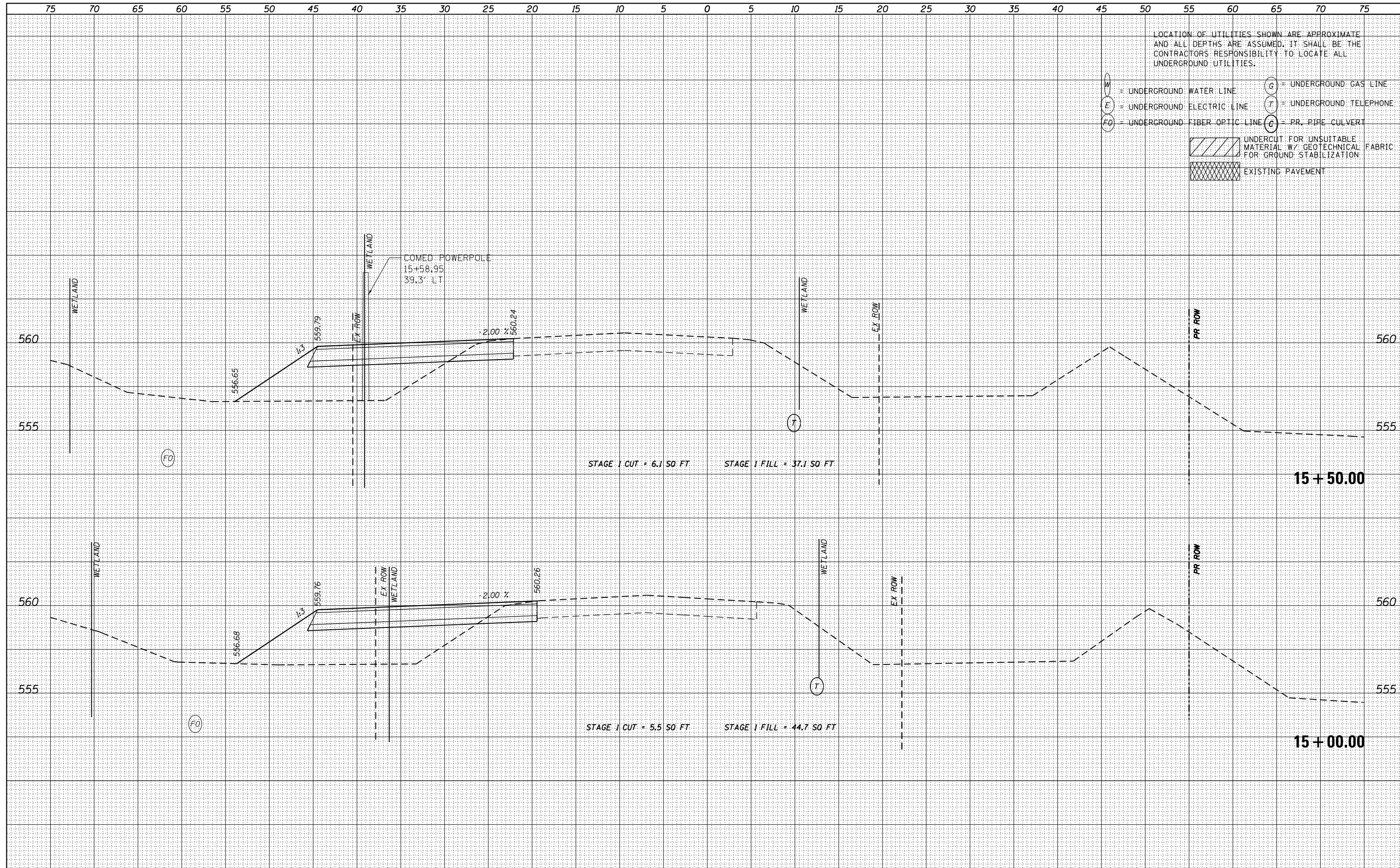
SCALE: 1"=5'4,2,5"V SHEET 13 OF 55 SHEETS STA. 14+00.00 TO STA. 14+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	351
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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[Hatched] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 [Cross-hatched] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
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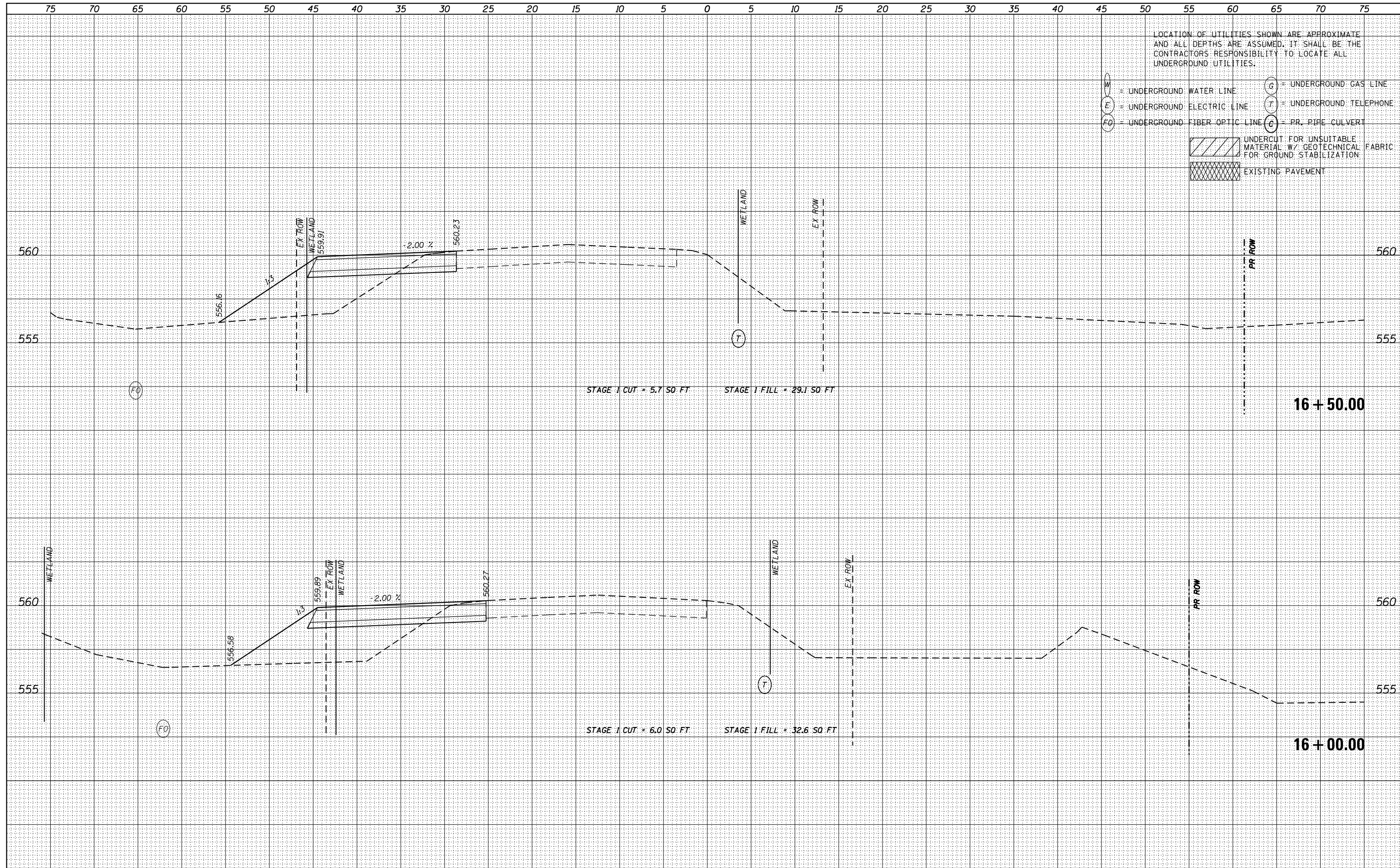
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5' V SHEET 14 OF 55 SHEETS STA. 15+00.00 TO STA. 15+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	352
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

DATE	
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USER NAME - nick.becker	DESIGNED - JLM	REVISED -
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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

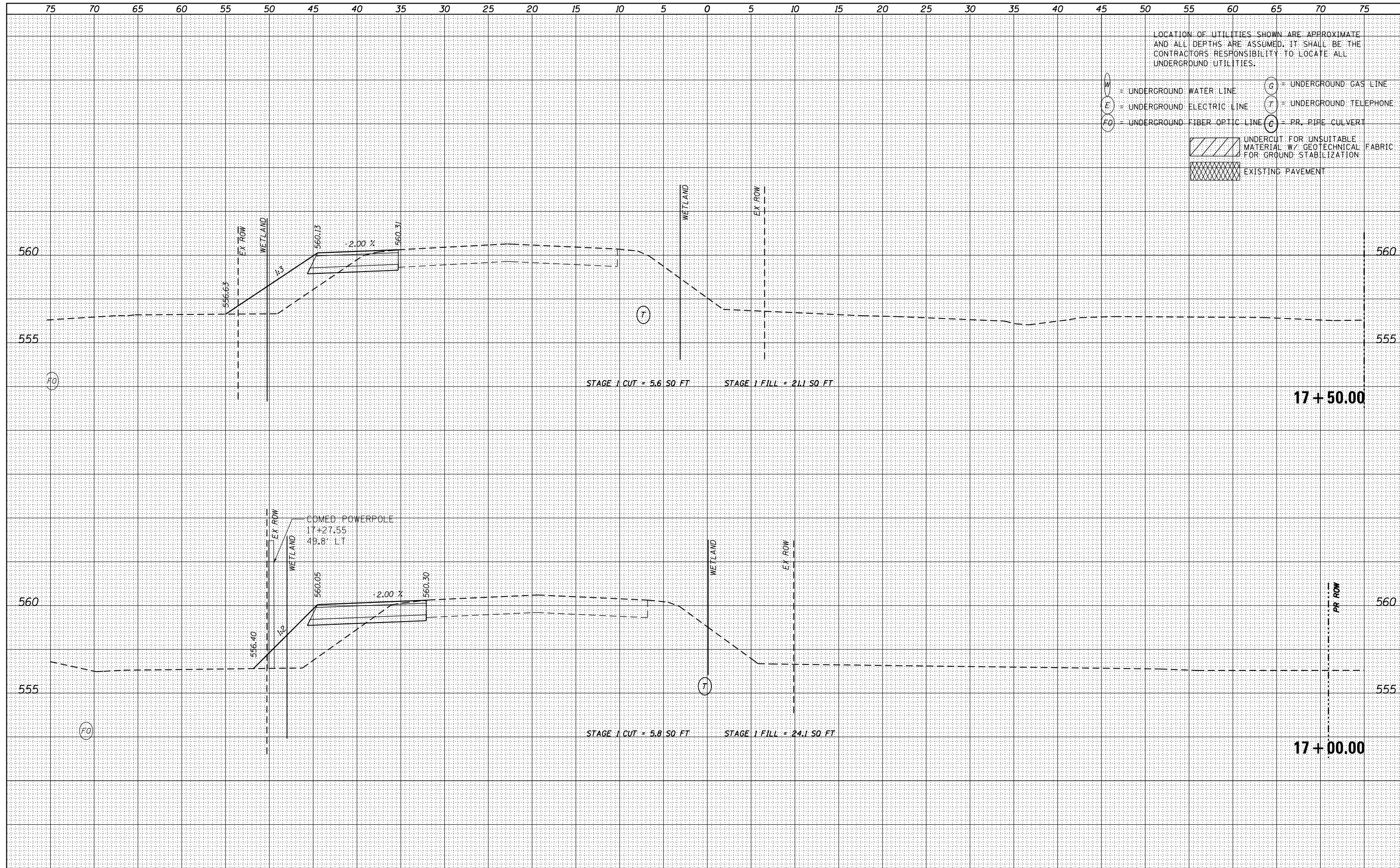
SCALE: 1"=5'H, 2.5' V SHEET 15 OF 55 SHEETS STA. 16+00.00 TO STA. 16+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	353
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

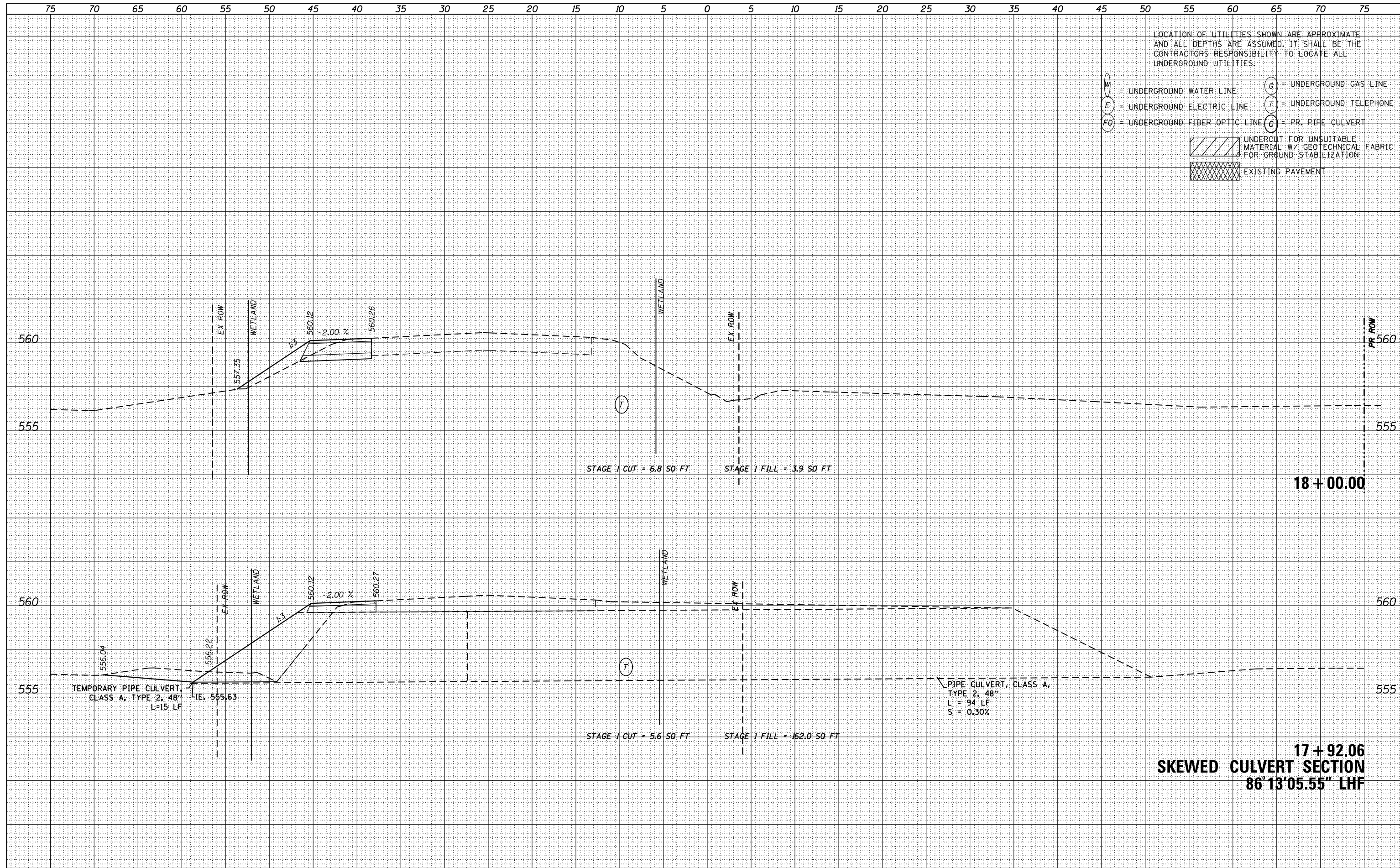
SCALE: 1"=5'H, 2.5' V SHEET 16 OF 55 SHEETS STA. 17+00.00 TO STA. 17+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	354
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

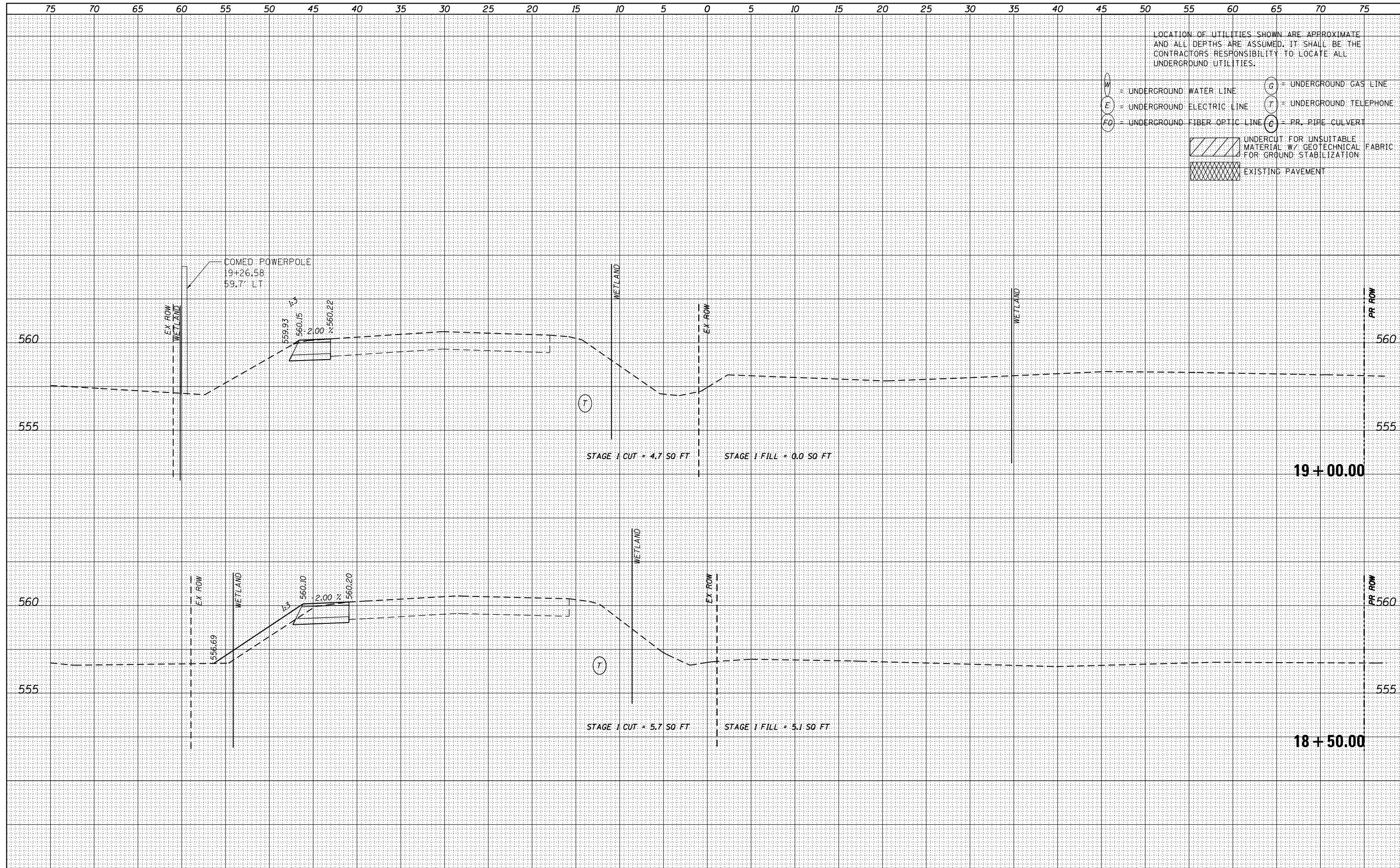
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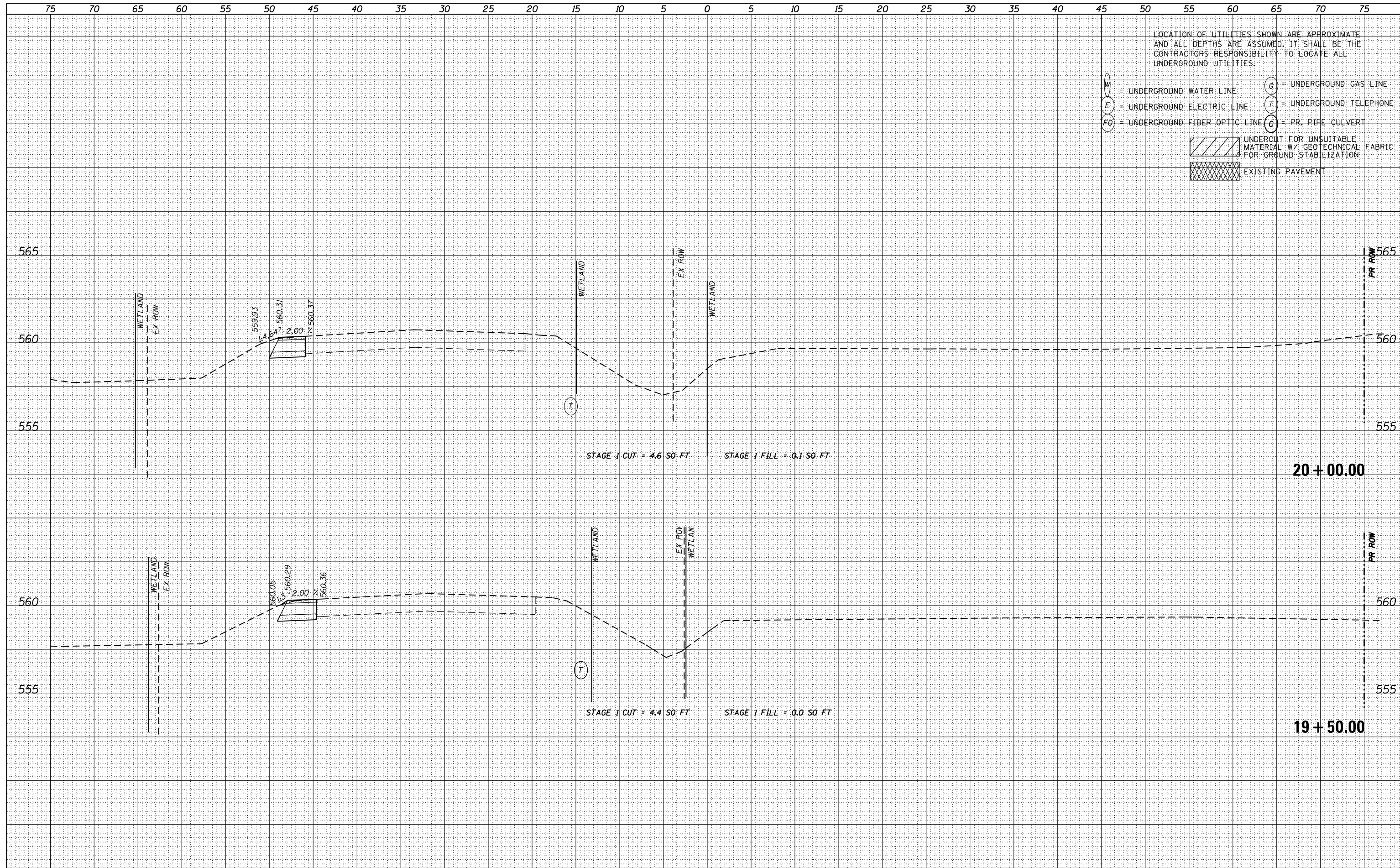
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DATE	
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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

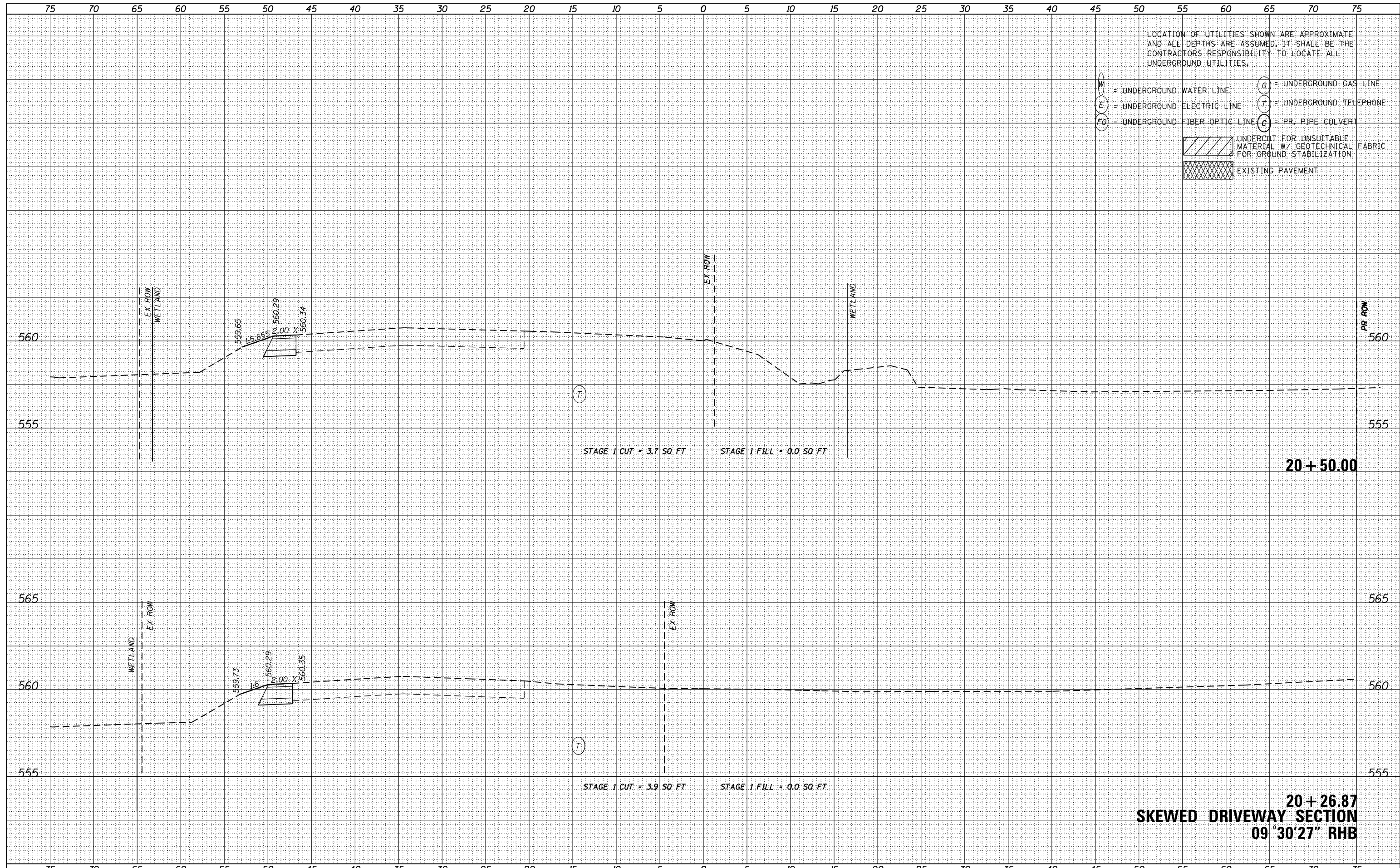
SCALE: 1"=5'H, 2.5'V SHEET 19 OF 55 SHEETS STA. 19+50.00 TO STA. 20+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	357
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

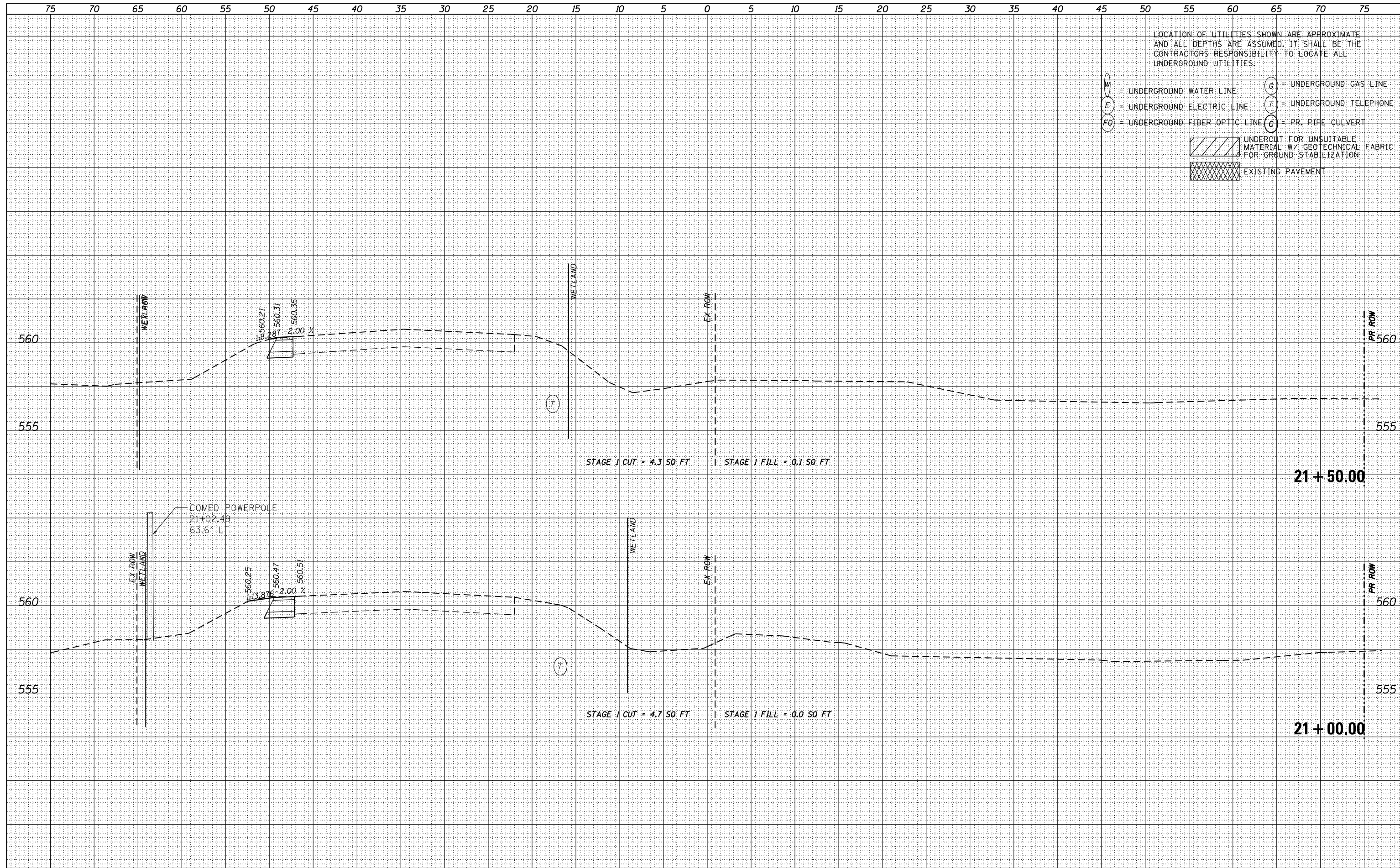
**CROSS SECTIONS
IL 53 - STAGE 1**

SCALE: 1"=5'H, 2.5"V SHEET 20 OF 55 SHEETS STA. 20+26.87 TO STA. 20+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	358
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

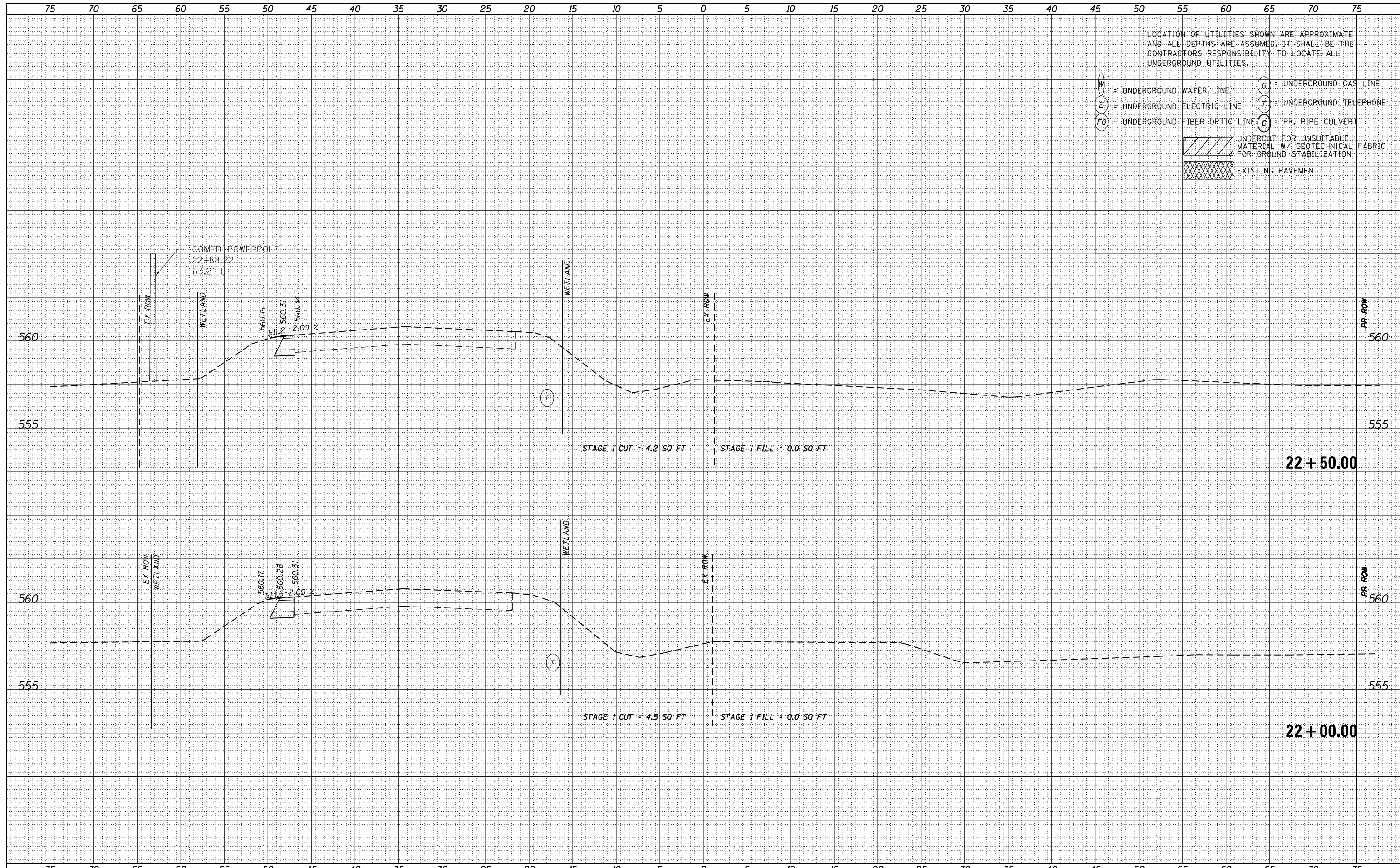
**CROSS SECTIONS
IL 53 - STAGE 1**

SCALE: 1"=5'H, 2.5"V SHEET 21 OF 55 SHEETS STA. 21+00.00 TO STA. 21+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	359
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE - 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE - 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

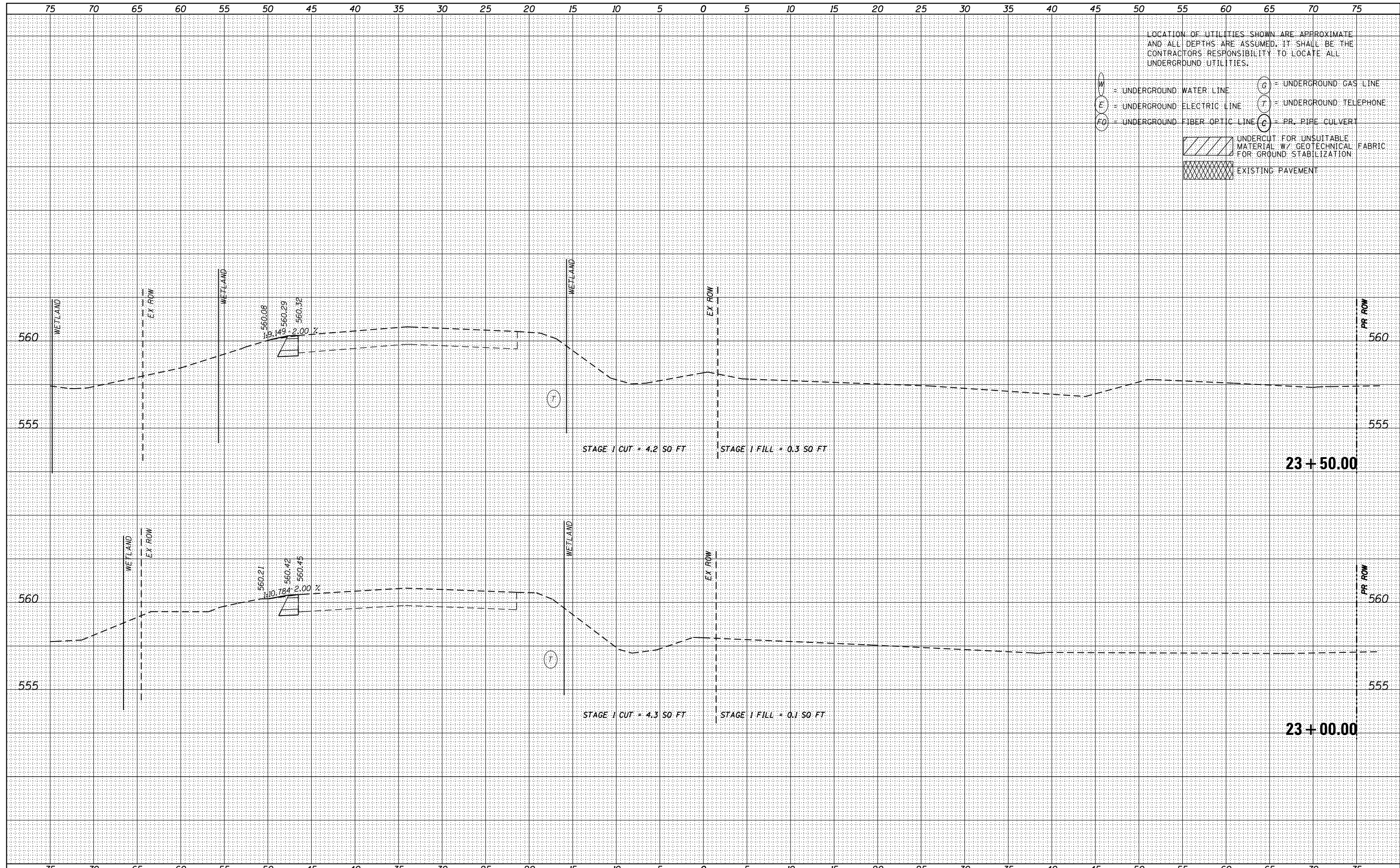
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5' V SHEET 22 OF 55 SHEETS STA. 22+00.00 TO STA. 22+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	360
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

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



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

- W = UNDERGROUND WATER LINE
- E = UNDERGROUND ELECTRIC LINE
- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

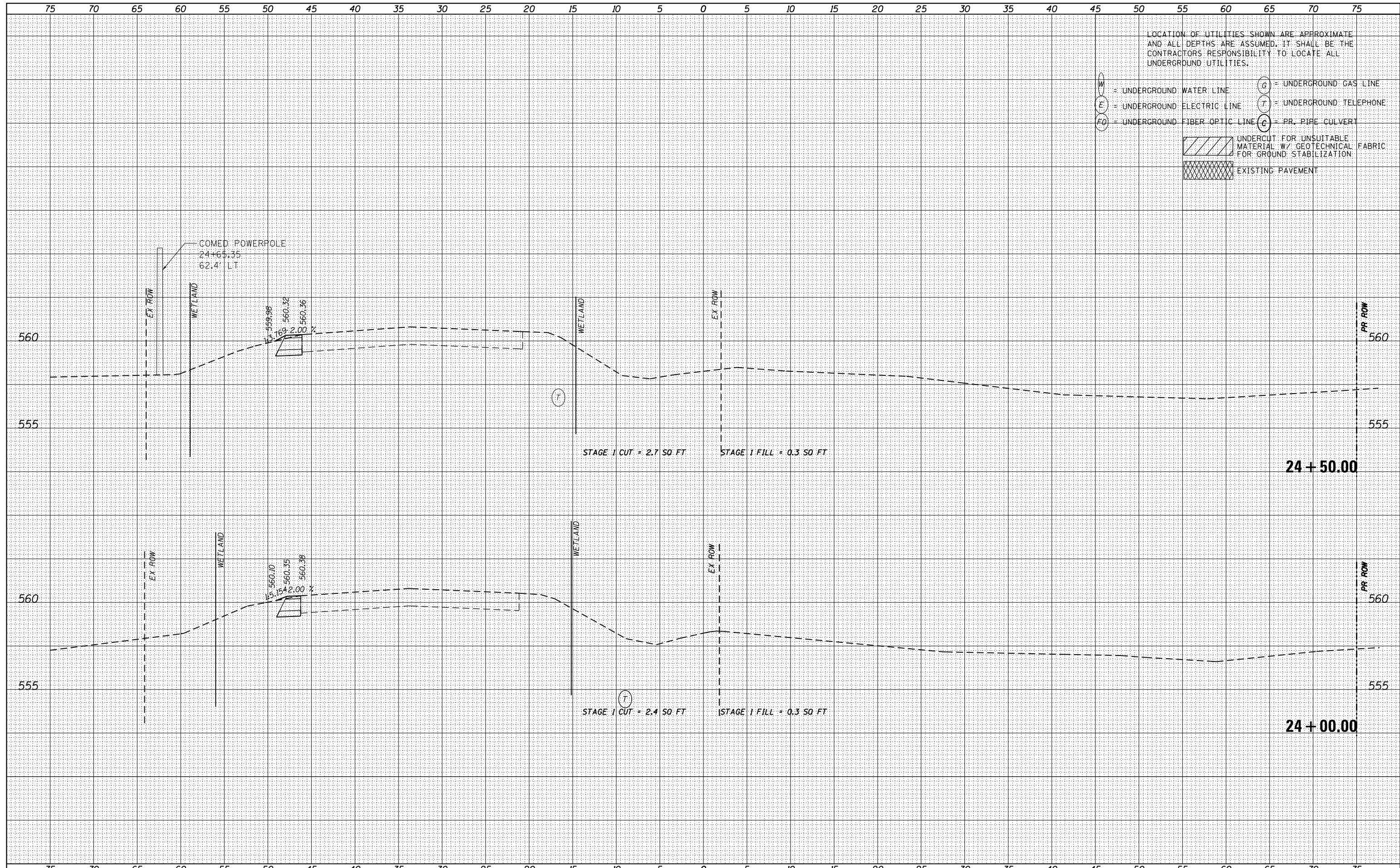
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 23 OF 55 SHEETS STA. 23+00.00 TO STA. 23+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	361
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE _____
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 SURVEYED _____
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 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE _____
 BY _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION**

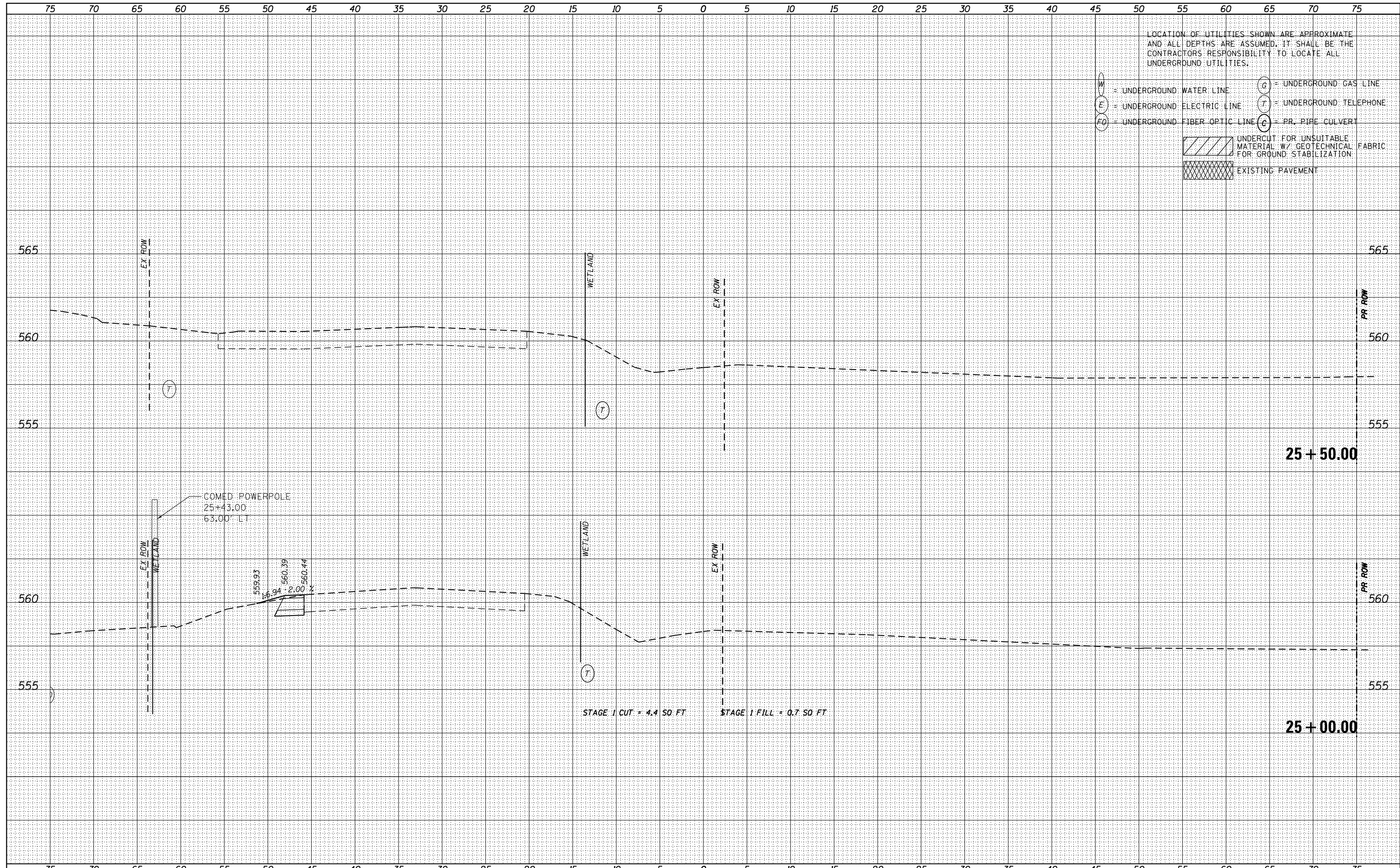
**CROSS SECTIONS
 IL 53 - STAGE 1**

SCALE: 1"=5'4,2,5"V SHEET 24 OF 55 SHEETS STA. 24+00.00 TO STA. 24+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	362
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

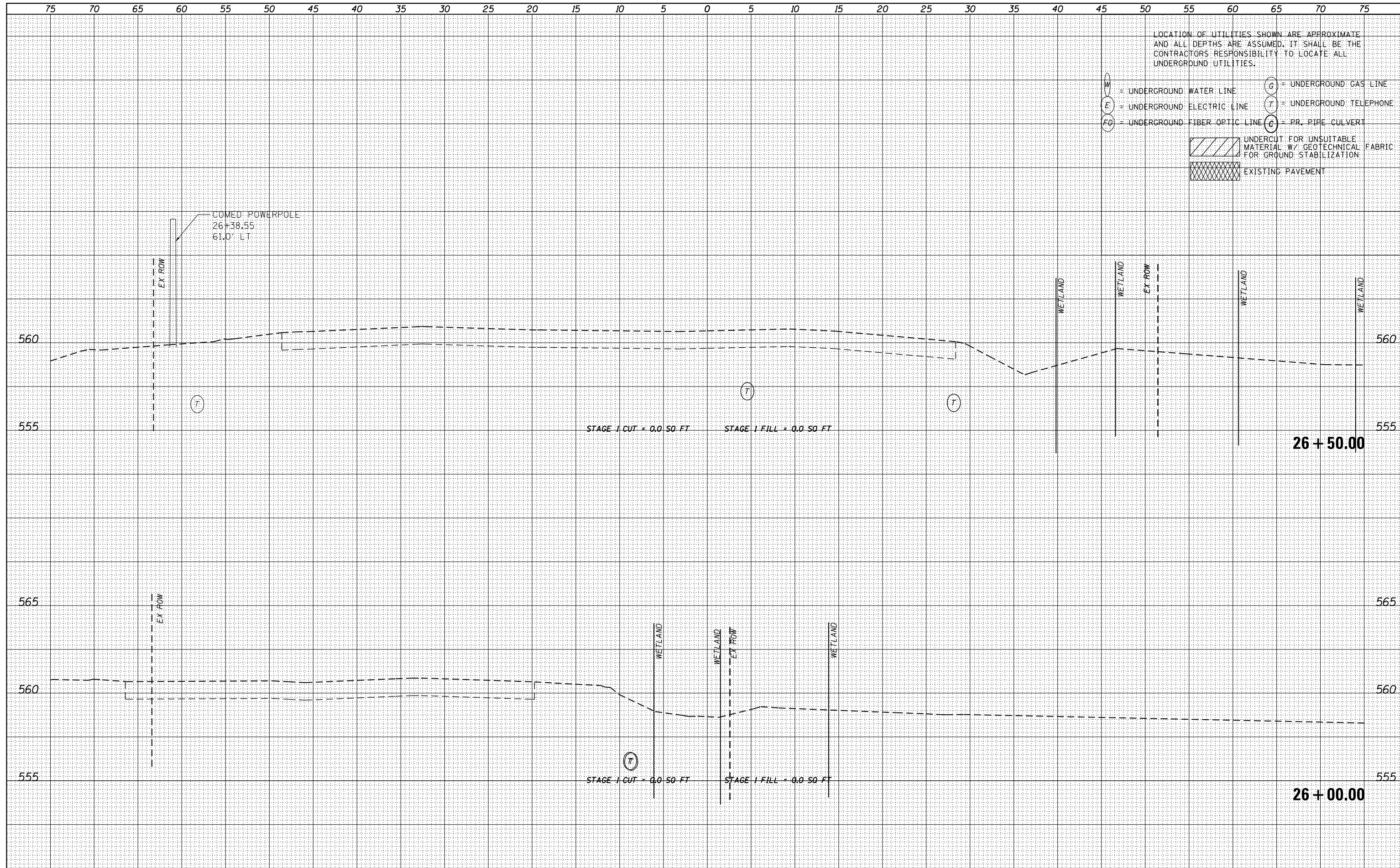
**CROSS SECTIONS
IL 53 - STAGE 1**

SCALE: 1"=5'H, 2.5"V SHEET 25 OF 55 SHEETS STA. 25+00.00 TO STA. 25+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	363
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED	
NOTE BOOK	
AREAS CHECKED	



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

- W = UNDERGROUND WATER LINE
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- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

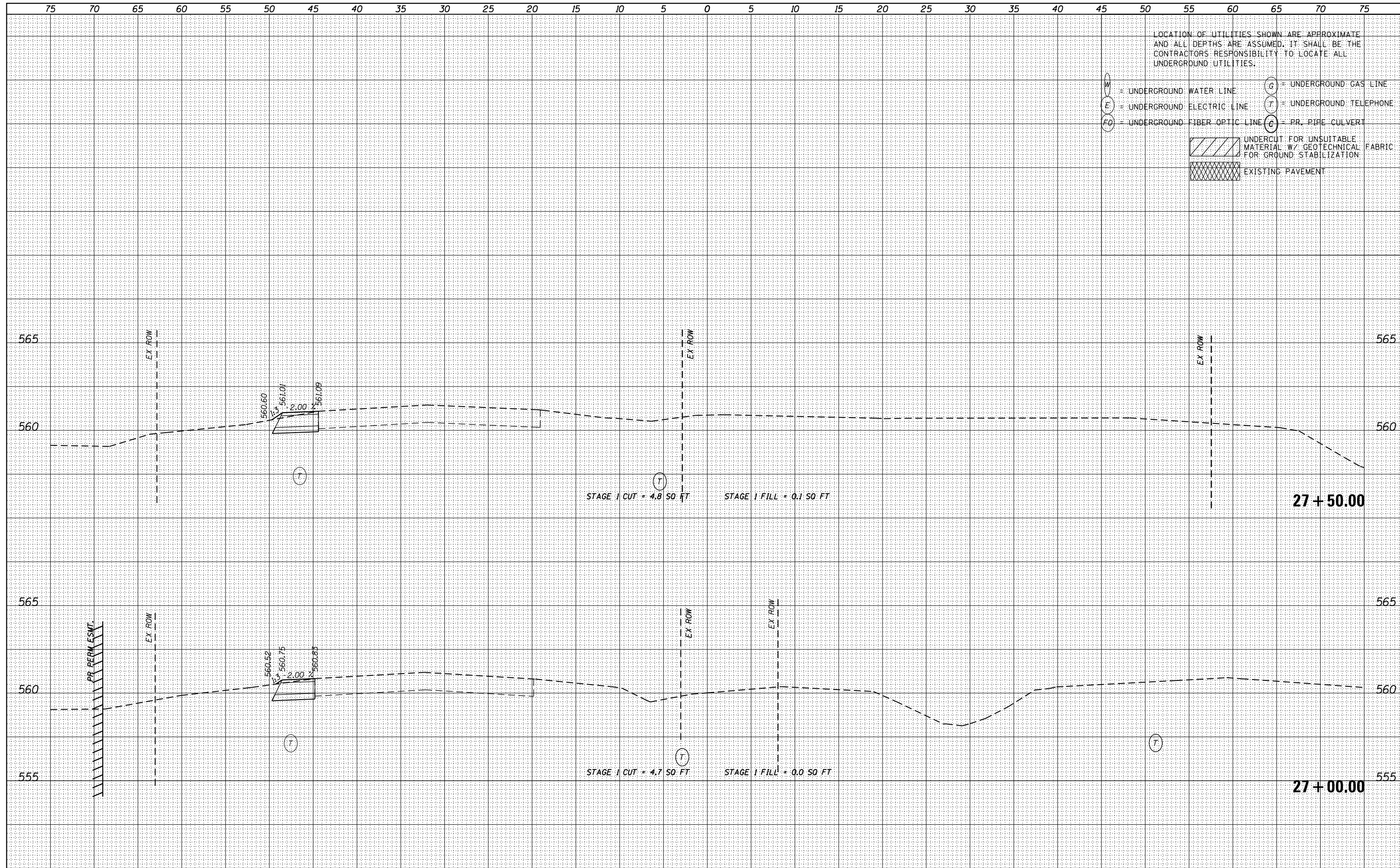
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 26 OF 55 SHEETS STA. 26+00.00 TO STA. 26+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHRR2016-02&03	WILL	580	364
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE	
BY	
FINISHED SURVEY	
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NOTE BOOK	
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BY	
ORIGINAL SURVEY	
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NOTE BOOK	
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 G = UNDERGROUND GAS LINE
 T = UNDERGROUND TELEPHONE
 C = PR. PIPE CULVERT

UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE - 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE - 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

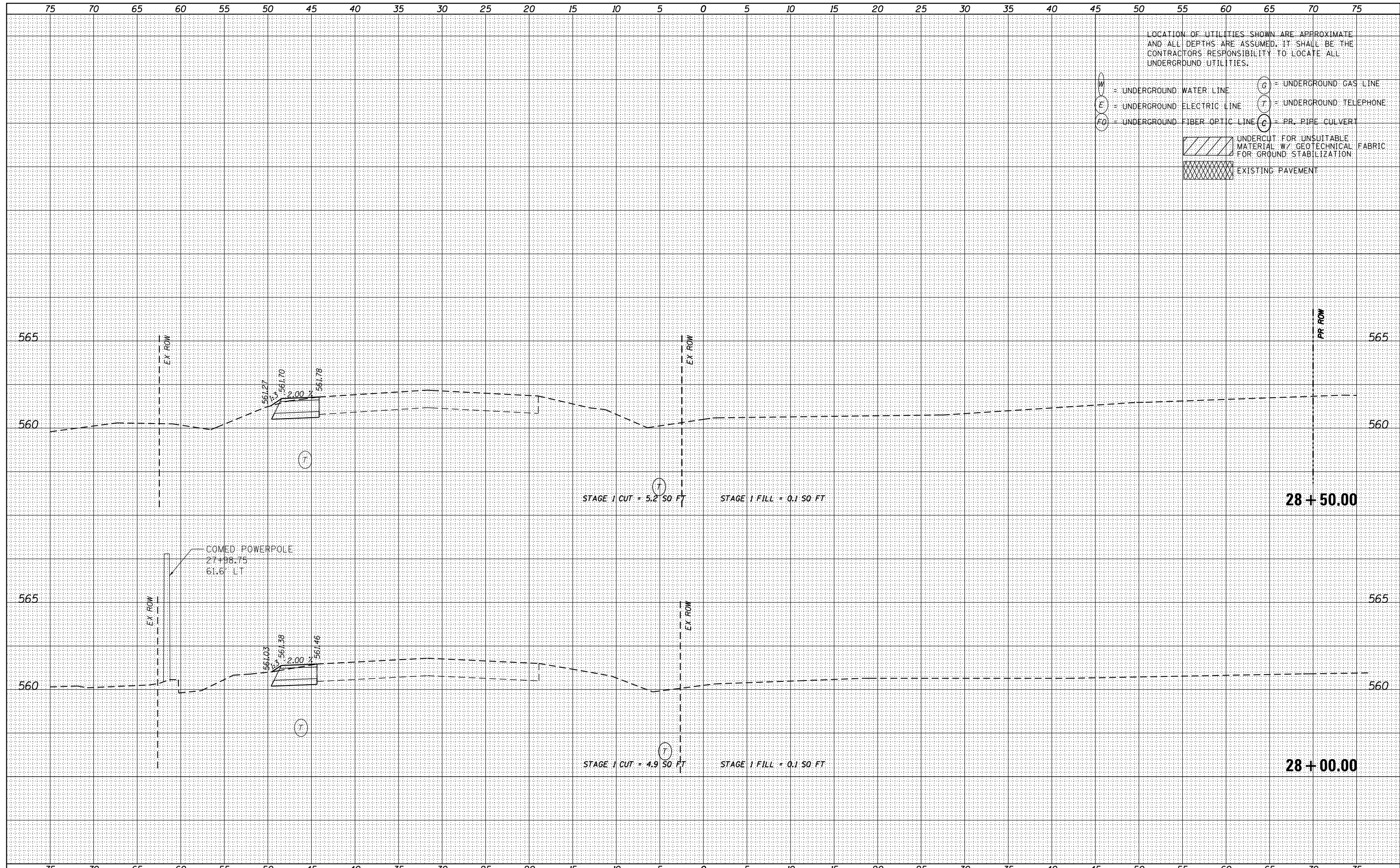
SCALE: 1"=5'H, 2.5'V SHEET 27 OF 55 SHEETS STA. 27+00.00 TO STA. 27+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	365
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

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- C = PR. PIPE CULVERT
- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

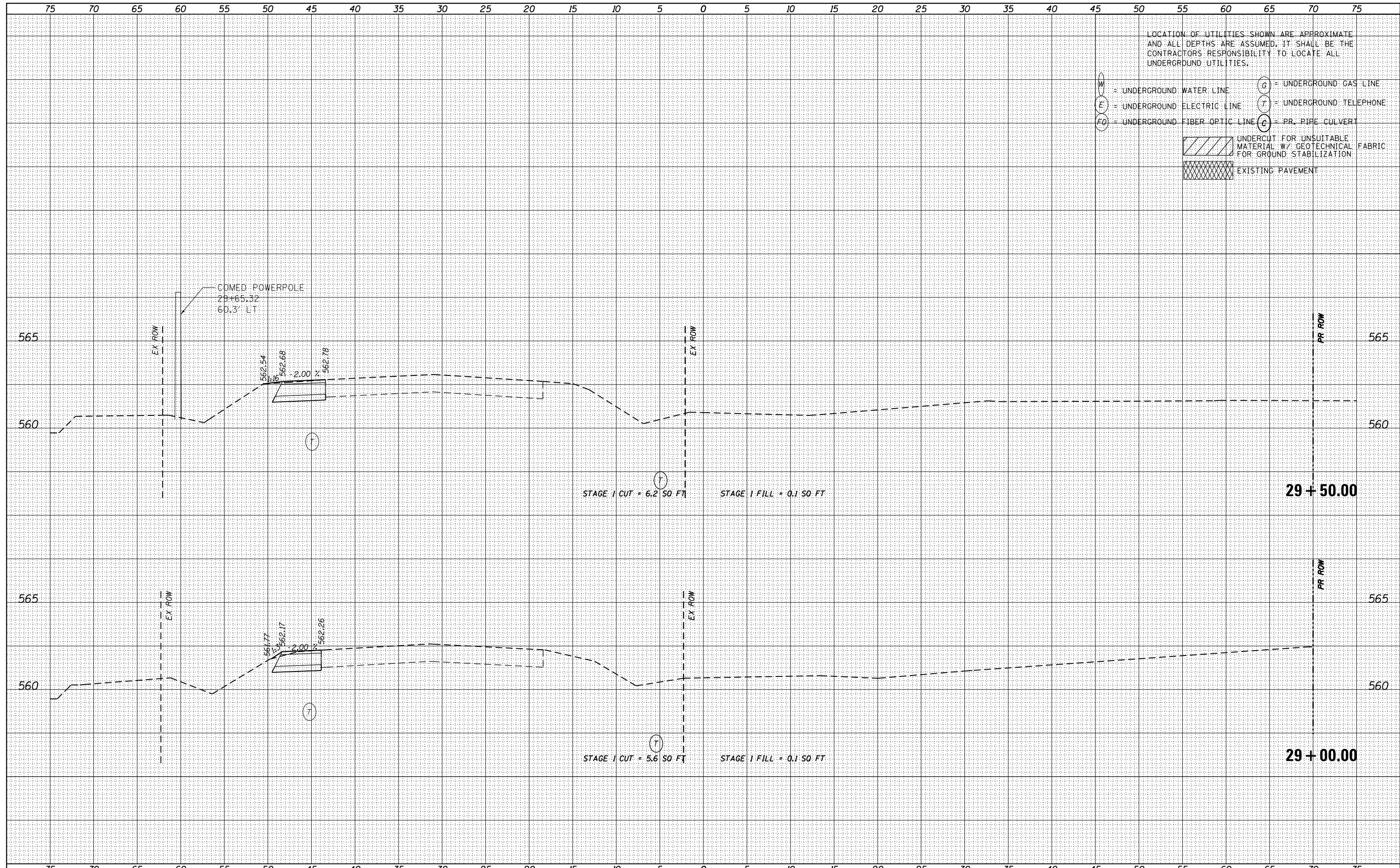
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 28 OF 55 SHEETS STA. 28+00.00 TO STA. 28+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	366
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE	
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NOTE BOOK	
AREAS CHECKED	
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NOTE BOOK	
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- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

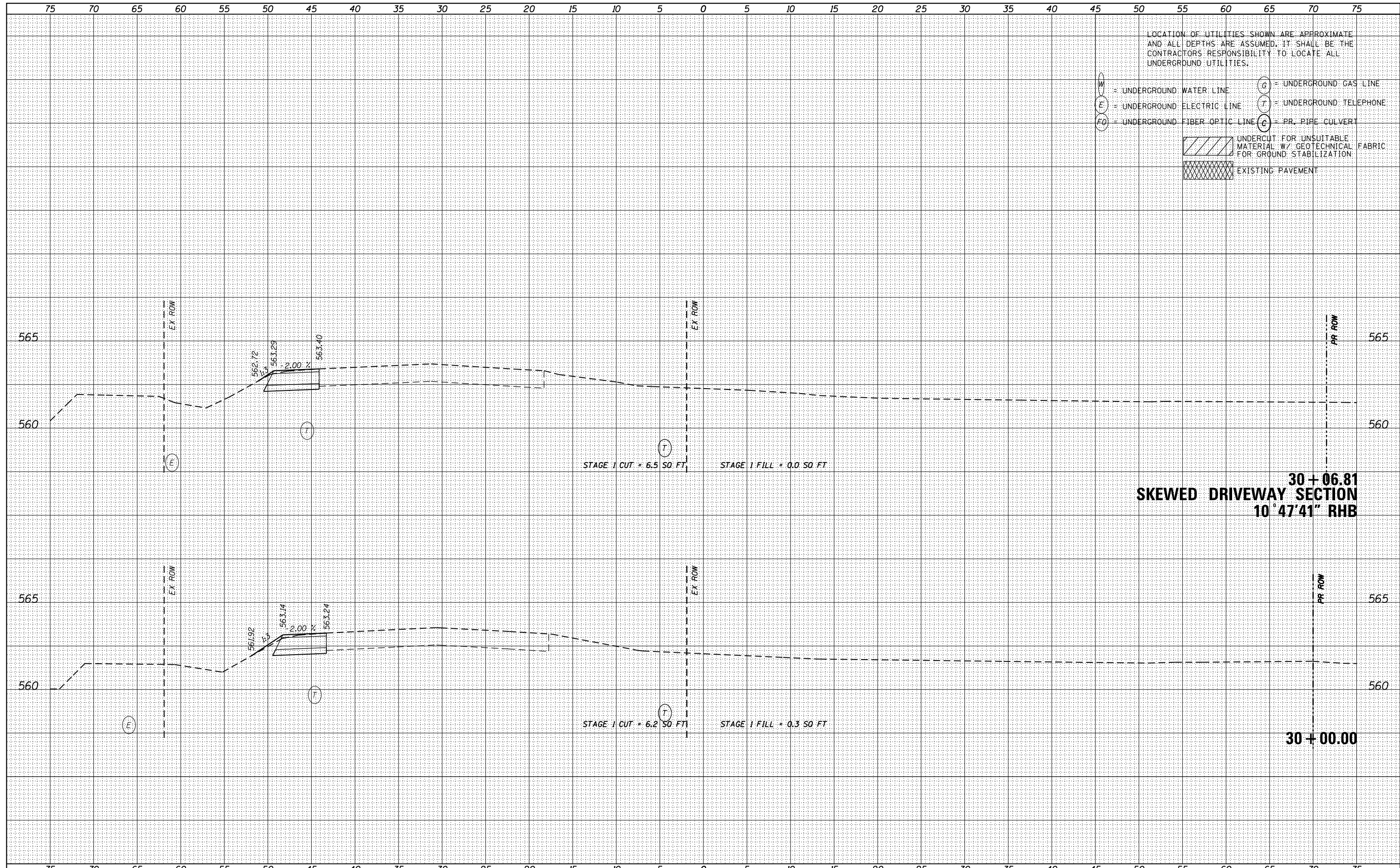
SCALE: 1"=5'H, 2.5'V SHEET 29 OF 55 SHEETS STA. 29+00.00 TO STA. 29+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	367
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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

DATE	
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ORIGINAL SURVEY	SURVEYED
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NO.	TEMPLATE
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LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

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 C = PR. PIPE CULVERT

[Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 [Cross-hatched Box] EXISTING PAVEMENT

30 + 06.81
SKewed DRIVEWAY SECTION
10° 47' 41" RHB

30 + 00.00



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IL 53 - STAGE 1

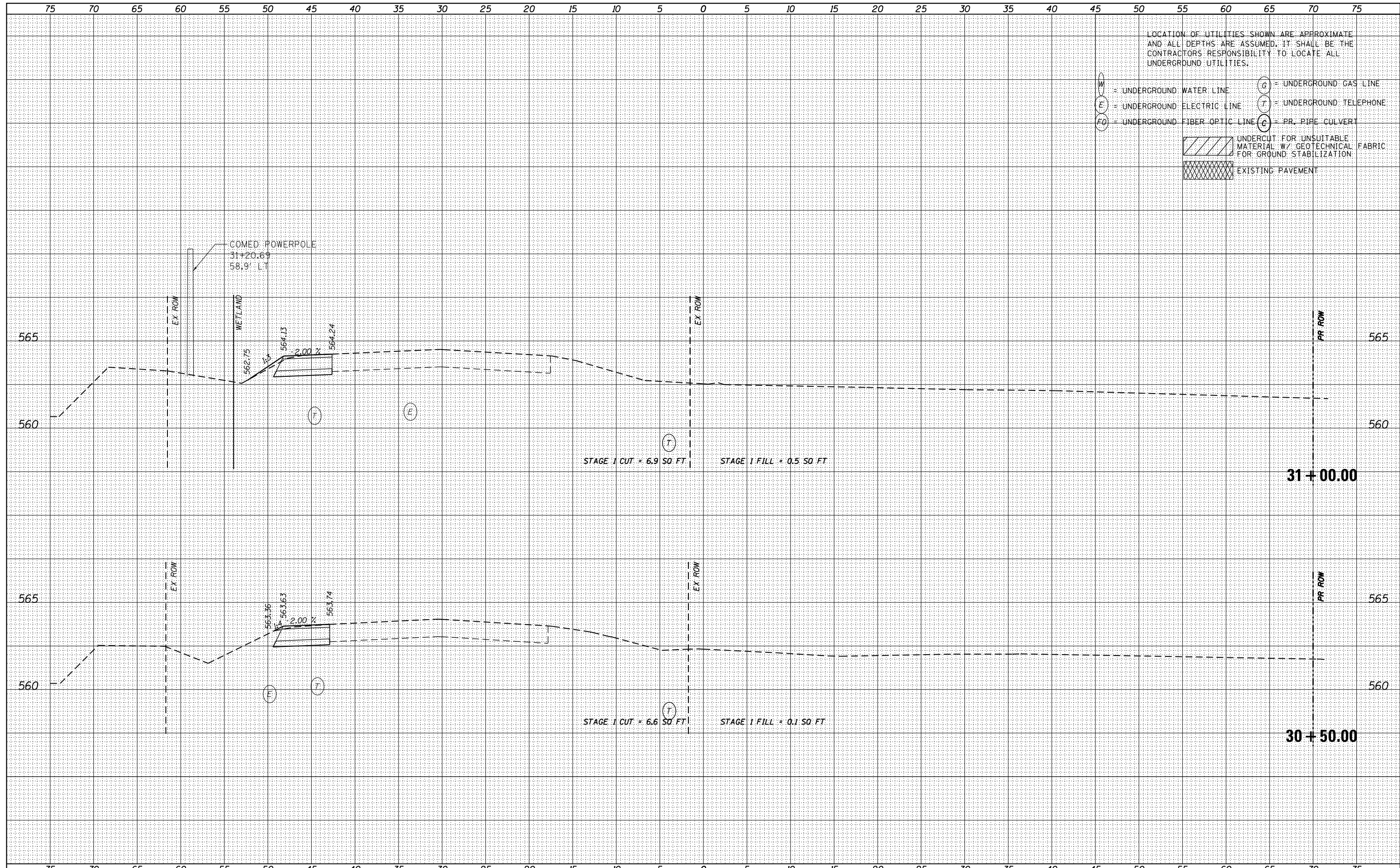
SCALE: 1"=5'H, 2.5'V SHEET 30 OF 55 SHEETS STA. 30+00.00 TO STA. 30+06.81

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	368
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

DATE	
BY	
FINISHED SURVEY	
PLOTTED	
TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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DATE	
BY	
ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
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LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

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- C = PR. PIPE CULVERT
- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

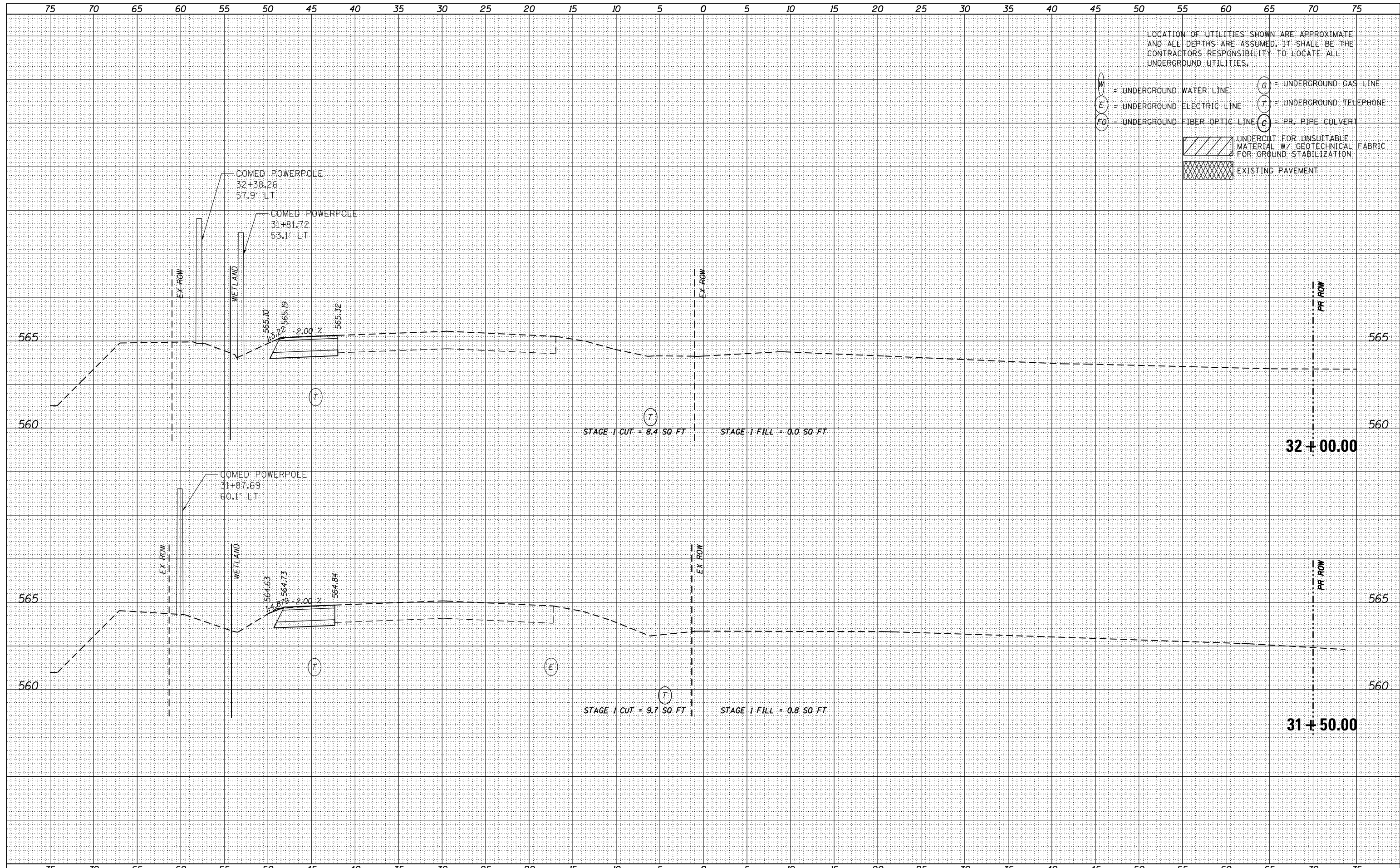
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 31 OF 55 SHEETS STA. 30+50.00 TO STA. 31+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	369
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

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- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
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- EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

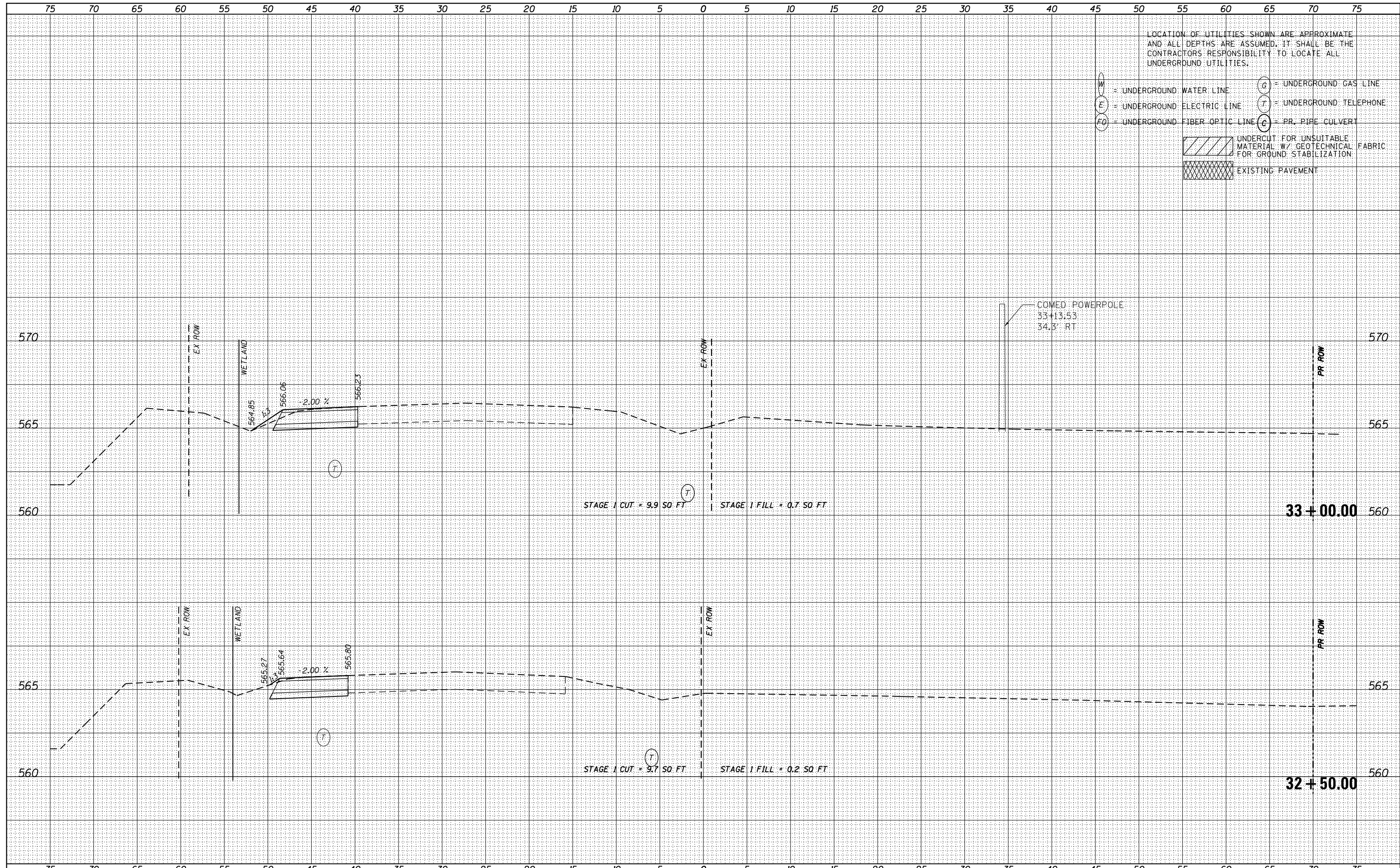
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'4,2.5'V SHEET 32 OF 55 SHEETS STA. 31+50.00 TO STA. 32+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	370
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

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



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

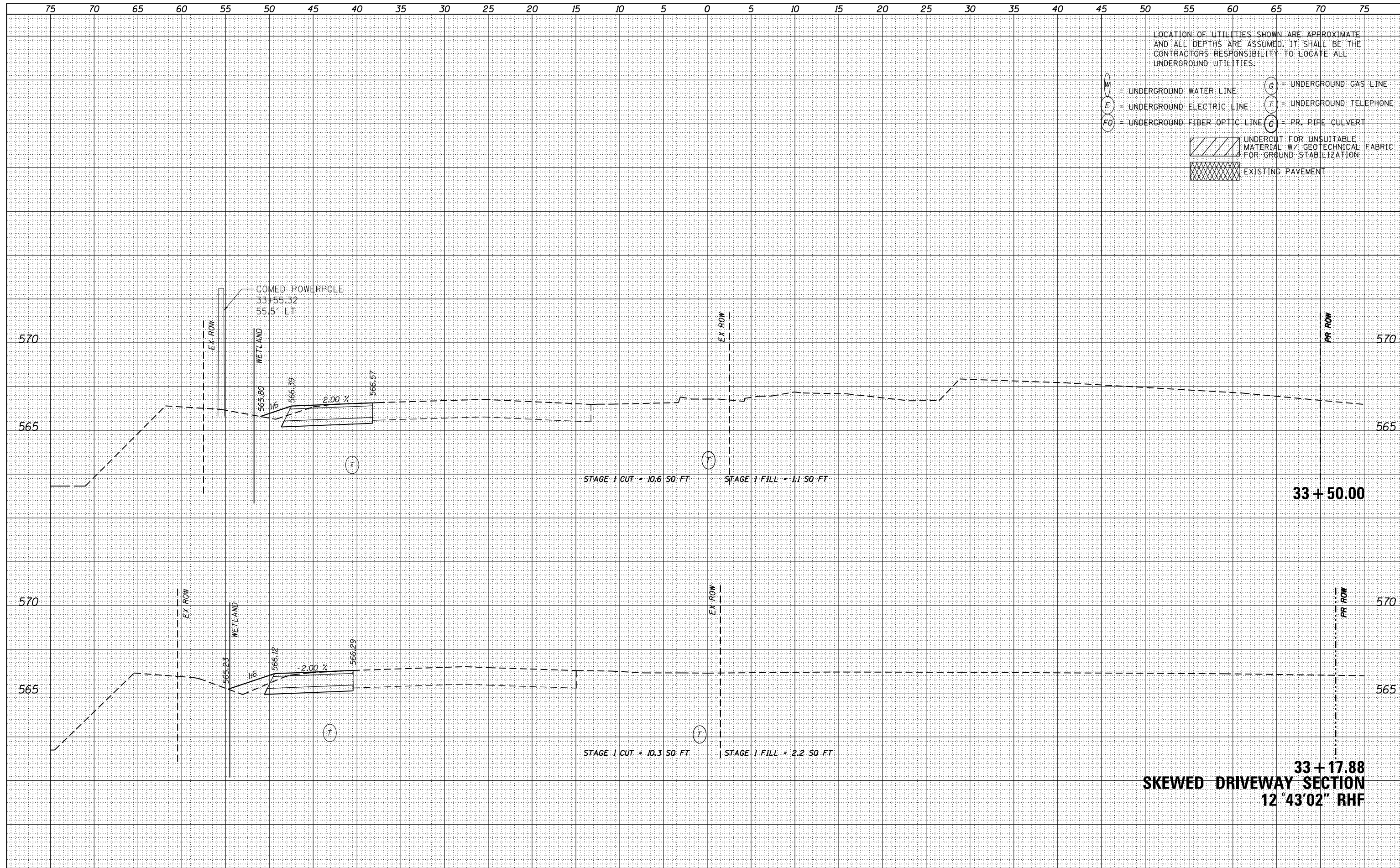
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 33 OF 55 SHEETS STA. 32+50.00 TO STA. 33+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	371
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

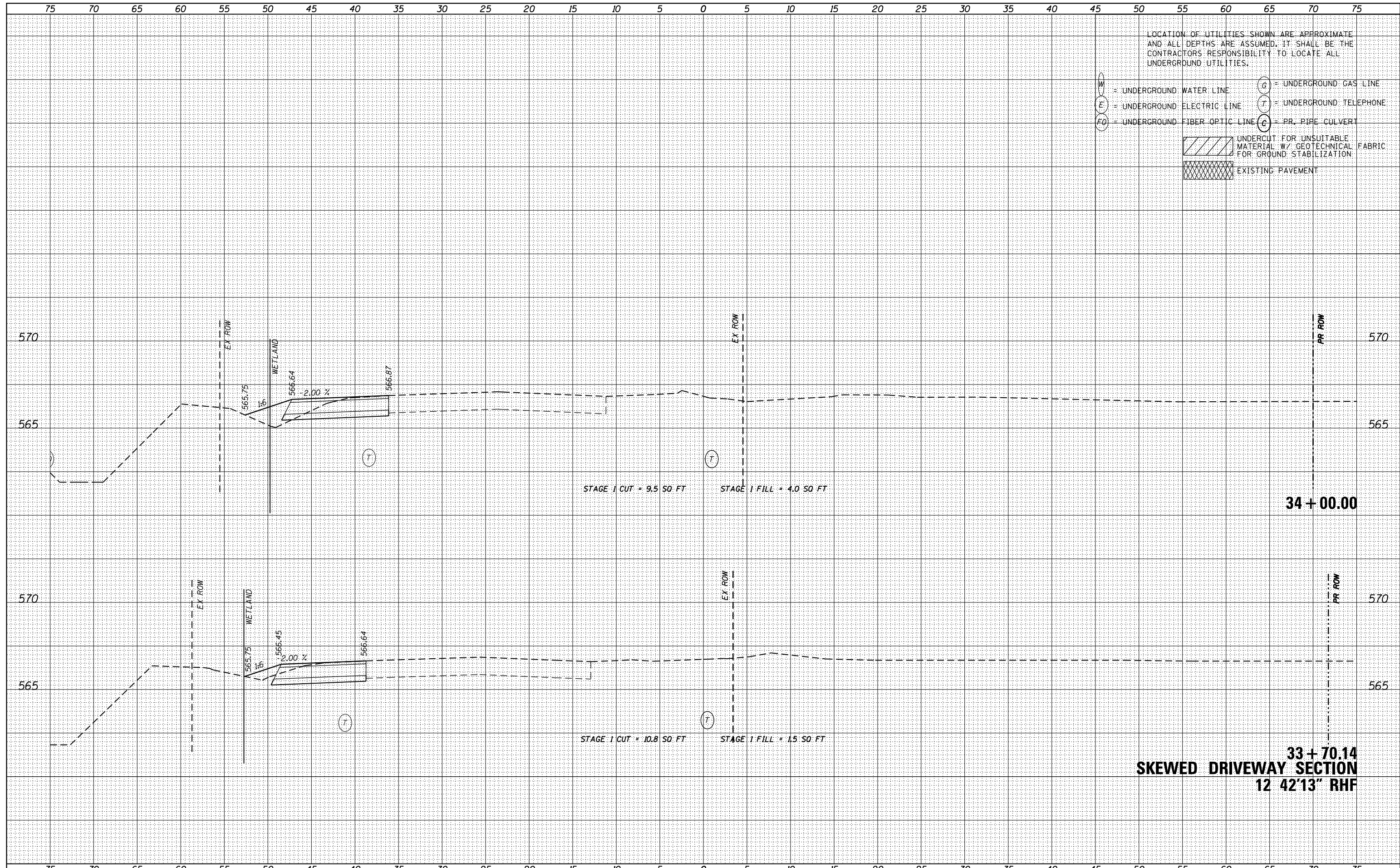
DATE	
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FINISHED SURVEY	
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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	



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

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



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 G = UNDERGROUND GAS LINE
 T = UNDERGROUND TELEPHONE
 C = PR. PIPE CULVERT

[Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

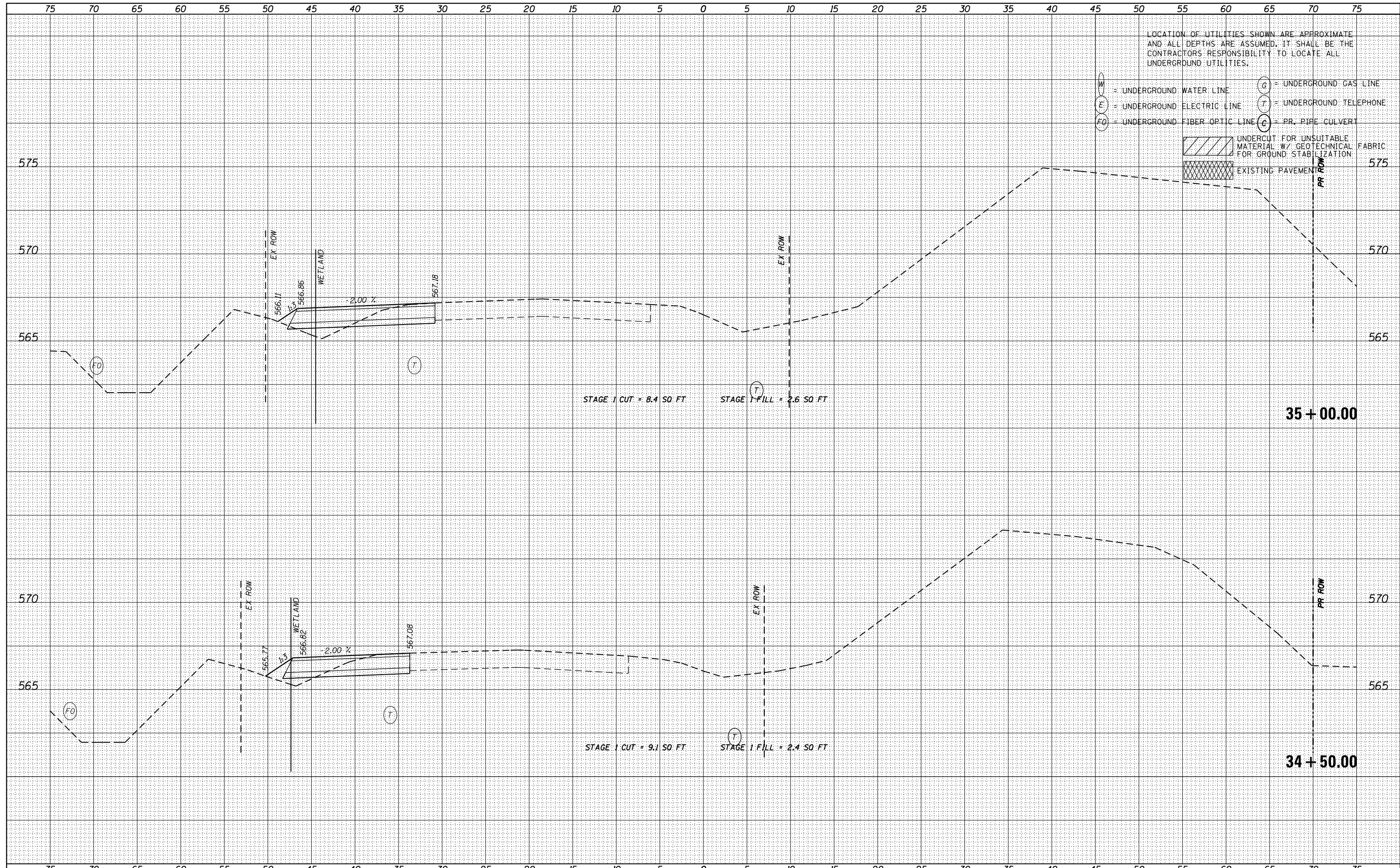
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 35 OF 55 SHEETS STA. 33+70.14 TO STA. 34+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	373
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____

DATE: _____
 BY: _____
 SURVEYED _____
 PLOTTED _____
 TEMPLATE _____
 NOTE BOOK _____
 AREAS CHECKED _____
 NO. _____



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
 IL 53 - STAGE 1

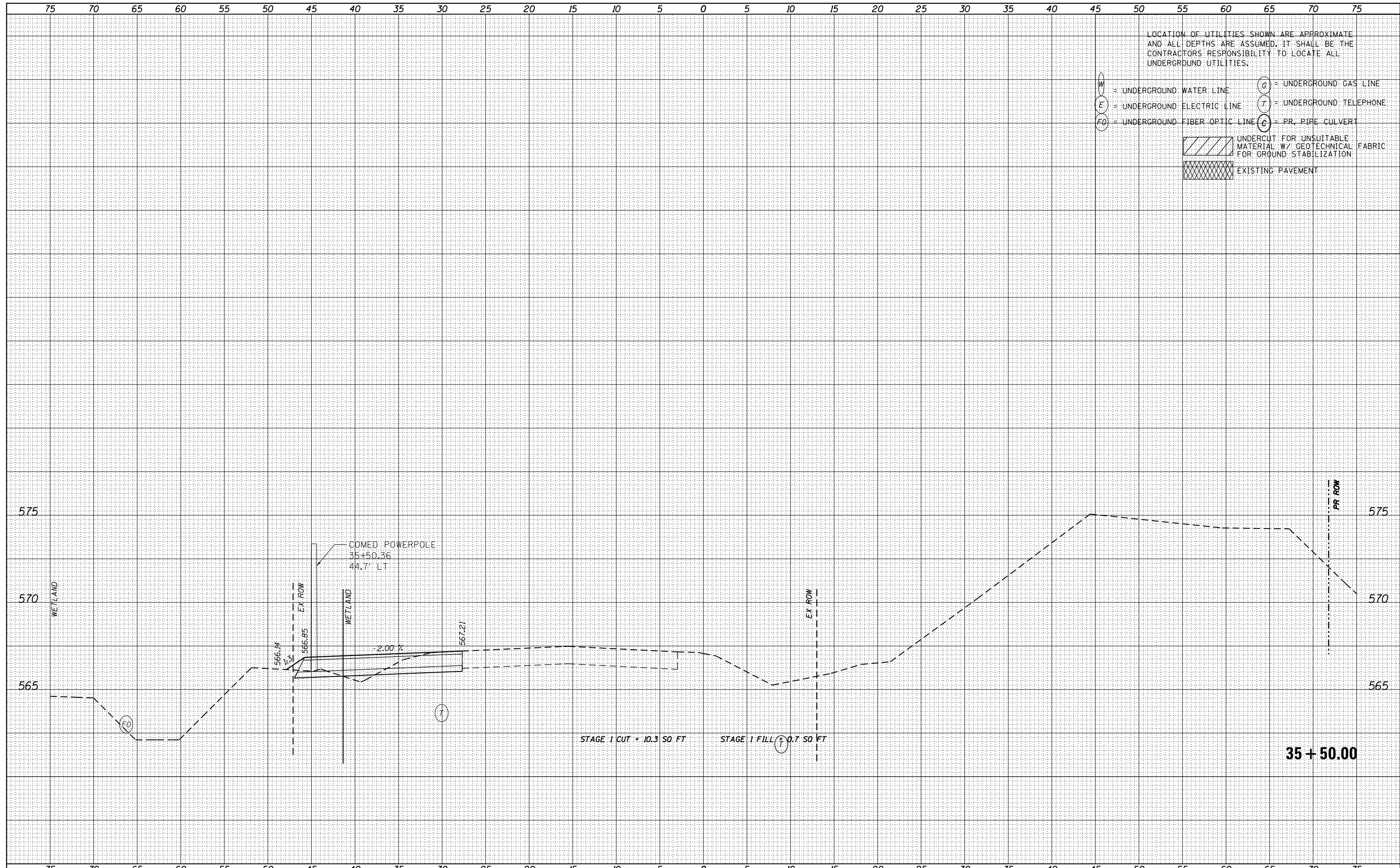
SCALE: 1"=5'H, 2.5'V SHEET 36 OF 55 SHEETS STA. 34+50.00 TO STA. 35+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	374
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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

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

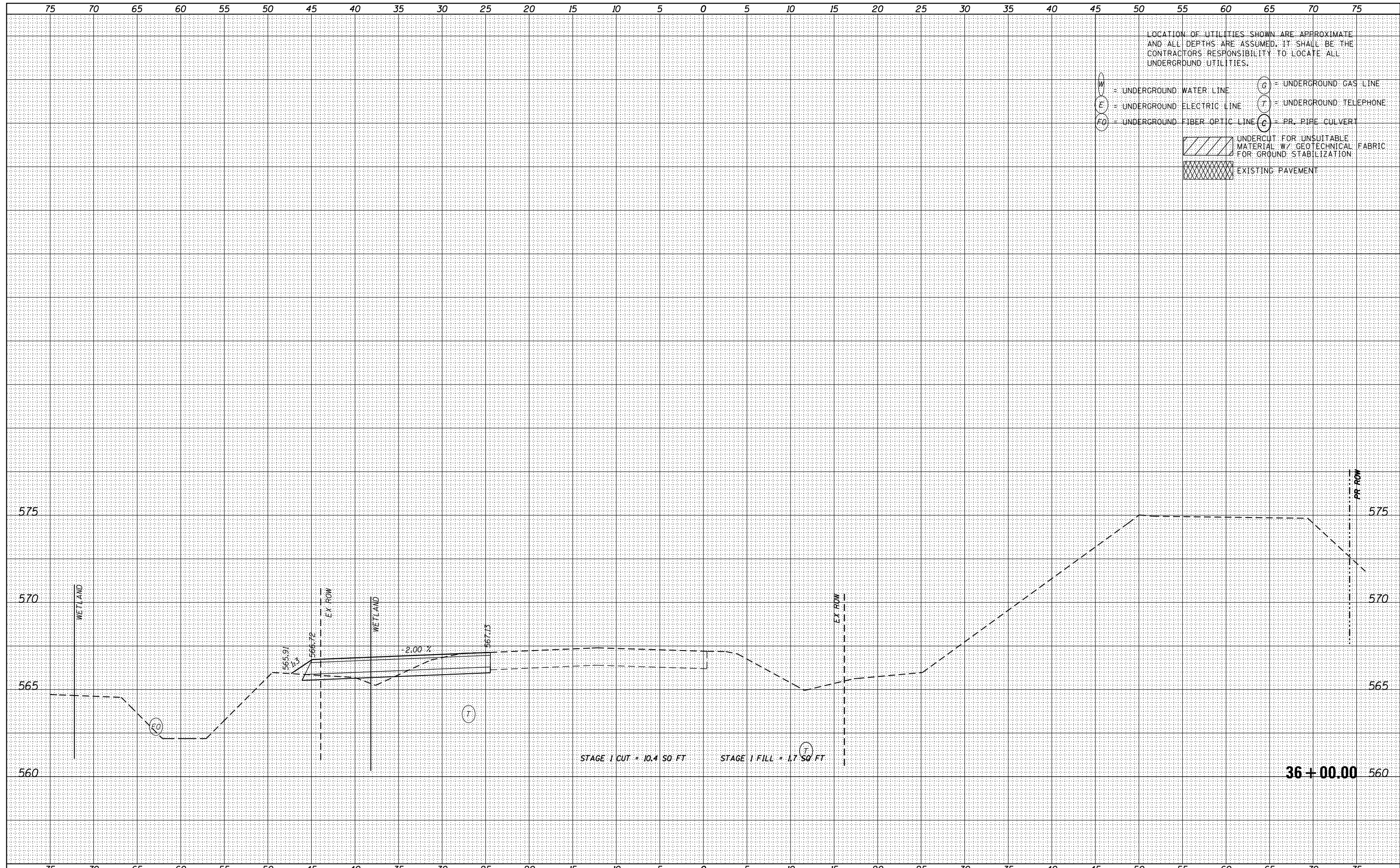


LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

- W = UNDERGROUND WATER LINE
- E = UNDERGROUND ELECTRIC LINE
- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT

DATE	
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SURVEYED	
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TEMPLATE	
AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

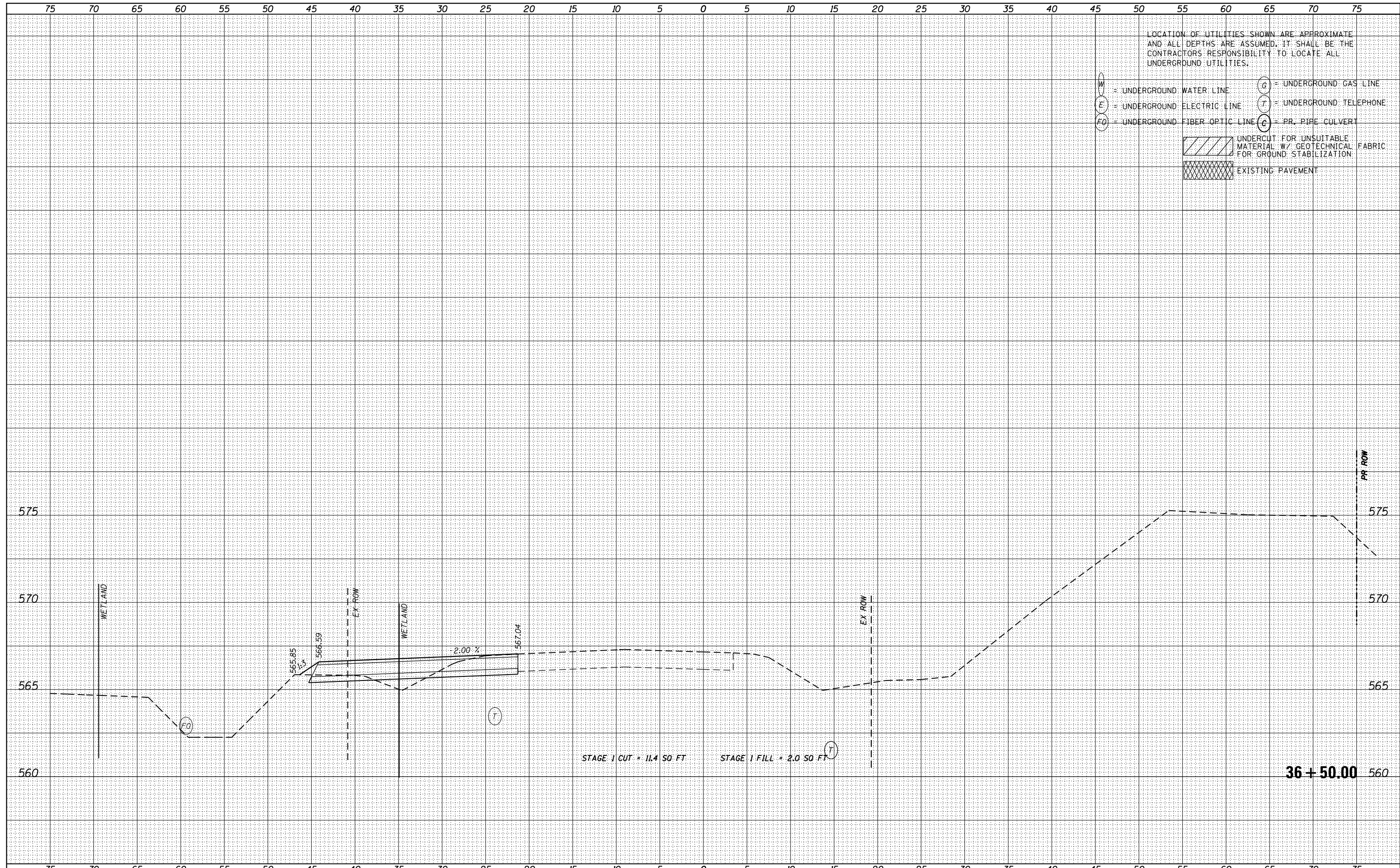
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 38 OF 55 SHEETS STA. 36+00.00 TO STA. 36+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	376
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

DATE	
BY	
ORIGINAL SURVEY	
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FINISHED SURVEY	
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DATE	
BY	
ORIGINAL SURVEY	
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FINISHED SURVEY	
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TEMPLATE	
AREAS CHECKED	
NOTE BOOK	
AREAS CHECKED	

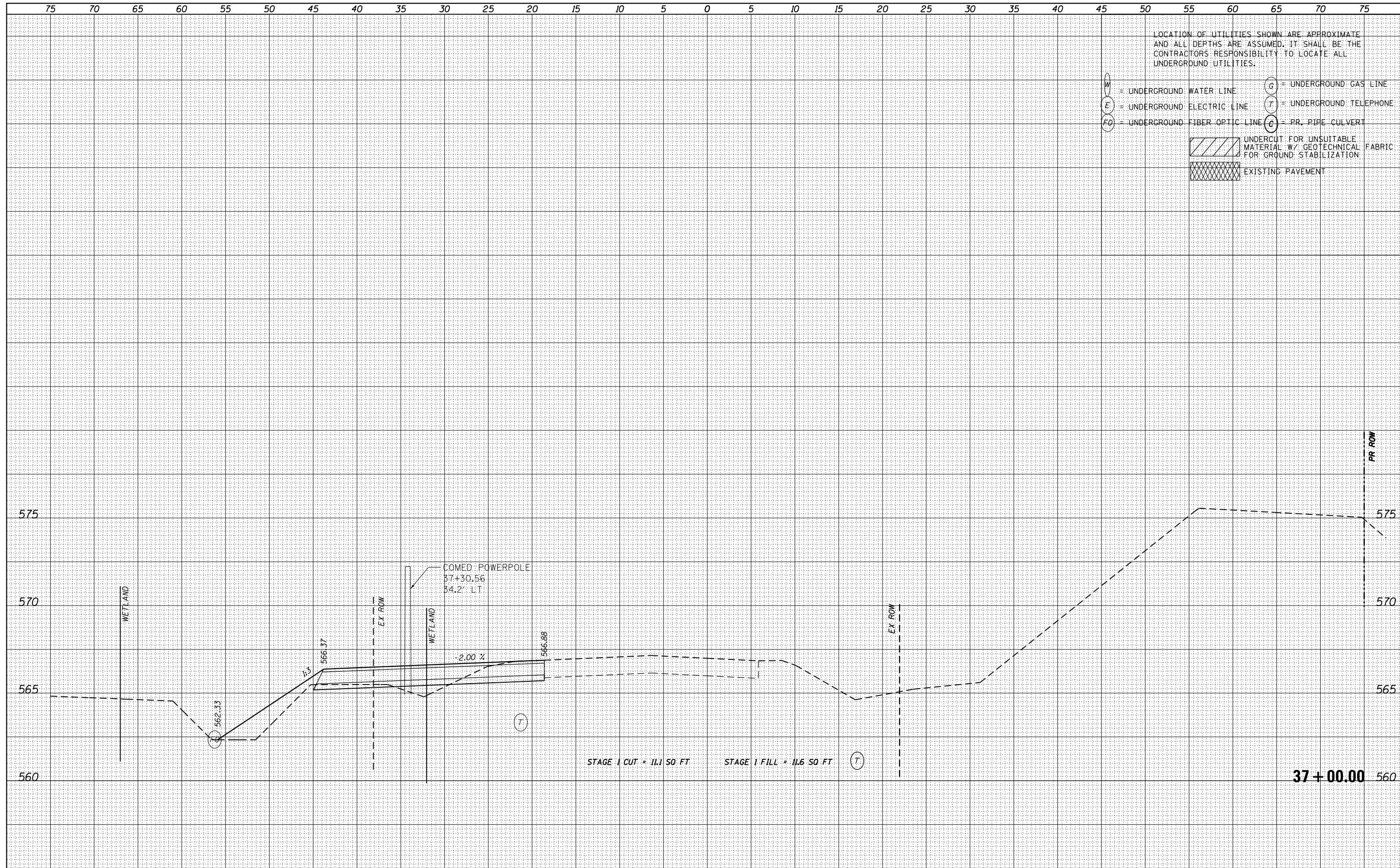


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- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT

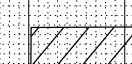
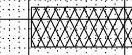
DATE	
BY	
FINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED

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ORIGINAL SURVEY	SURVEYED
NOTE BOOK	PLOTTED
NO.	TEMPLATE
	AREAS CHECKED



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 C = PR. PIPE CULVERT

 UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

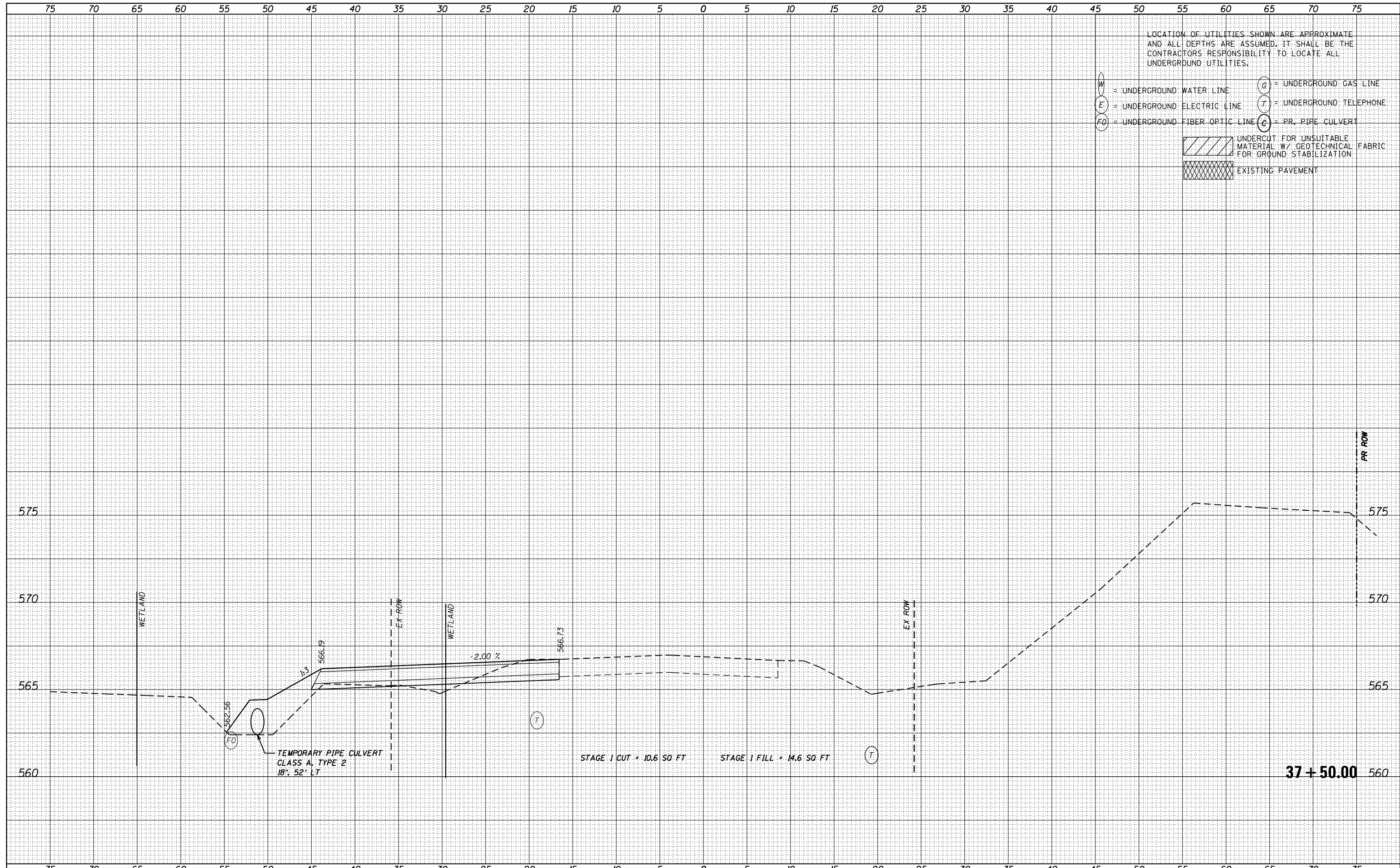
**CROSS SECTIONS
IL 53 - STAGE 1**

SCALE: 1"=5'4,2,5'V SHEET 40 OF 55 SHEETS STA. 37+00.00 TO STA. 37+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	378
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE	
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AREAS CHECKED	
FINAL SURVEY NOTE BOOK NO.	

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

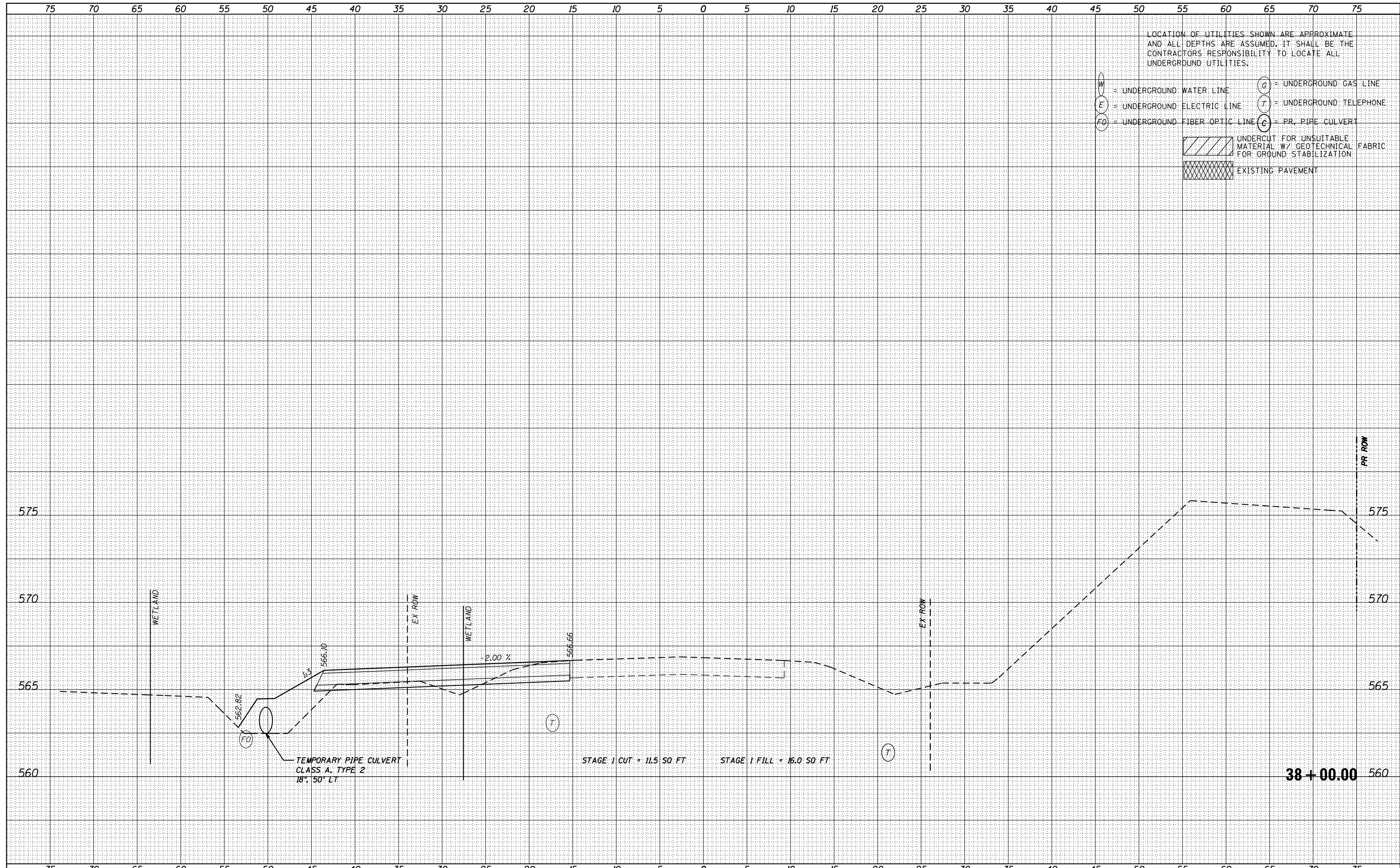
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 41 OF 55 SHEETS STA. 37+50.00 TO STA. 37+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	379
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

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

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



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

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- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISD -
	DRAWN - BWL	REVISD -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISD -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISD -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 42 OF 55 SHEETS STA. 38+00.00 TO STA. 38+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	380
				CONTRACT NO. 62B33

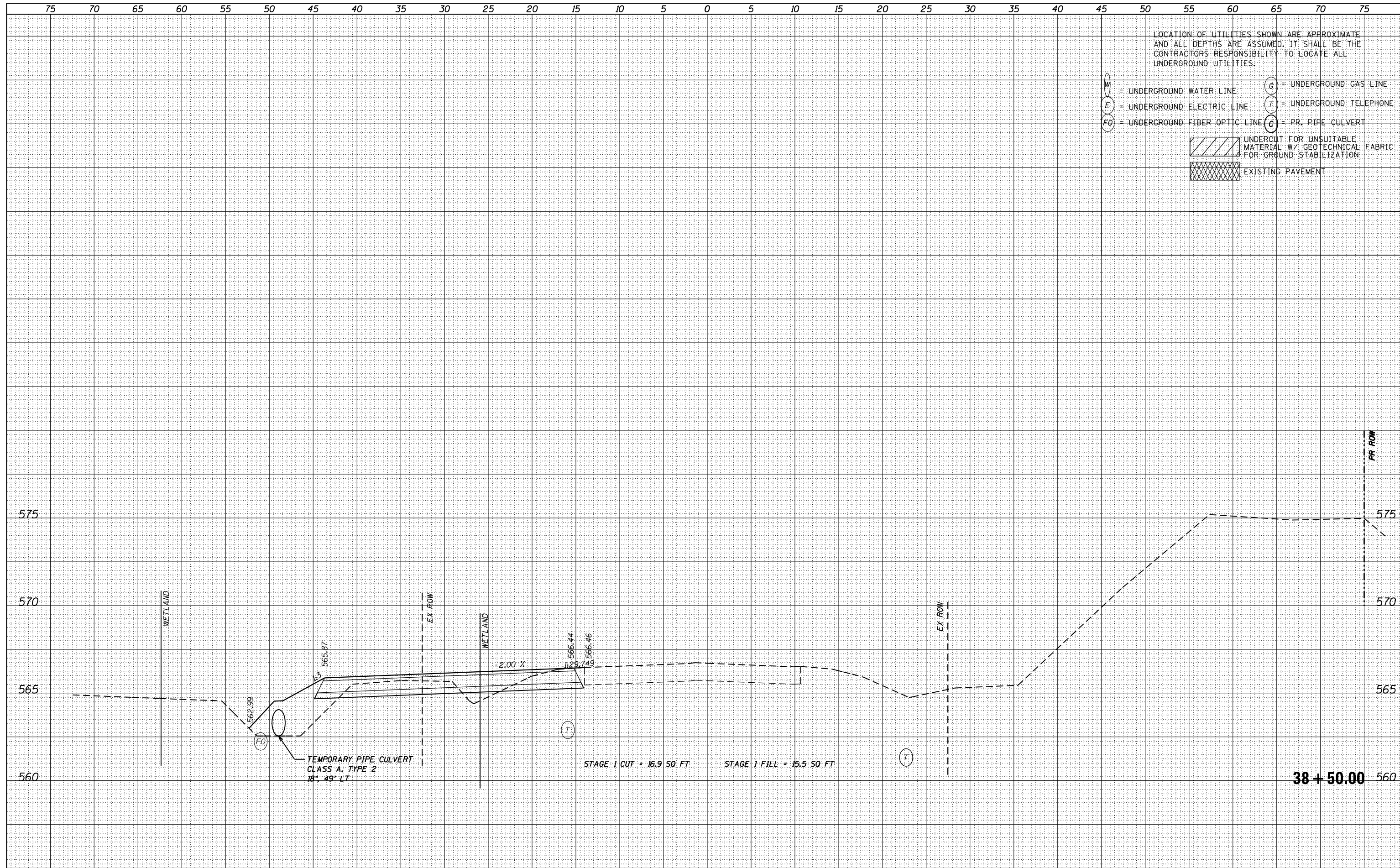
ILLINOIS FED. AID PROJECT

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

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

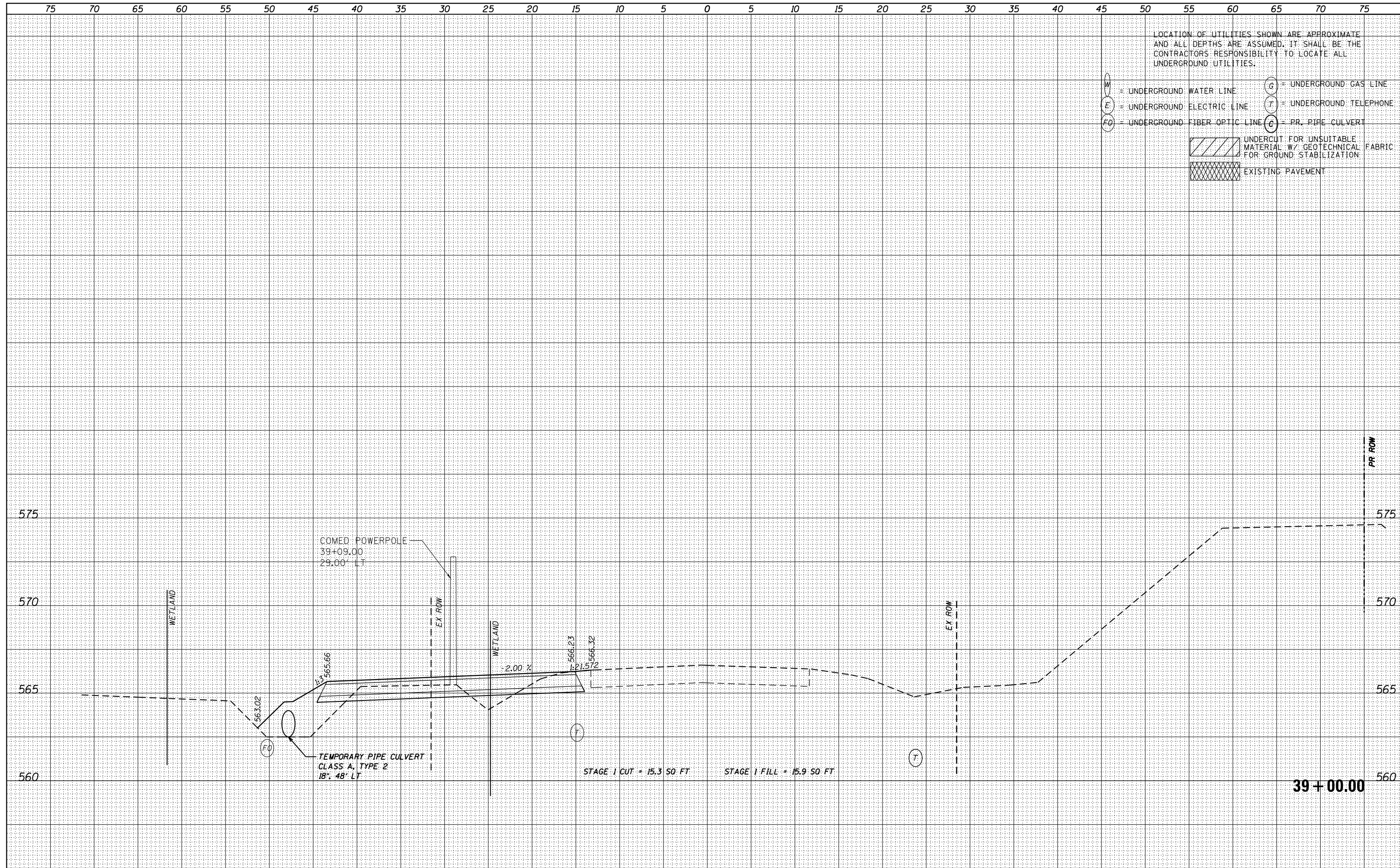
LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

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- EXISTING PAVEMENT



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

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 53 - STAGE 1**

SCALE: 1"=5'H, 2.5'V SHEET 44 OF 55 SHEETS STA. 39+00.00 TO STA. 39+00.00

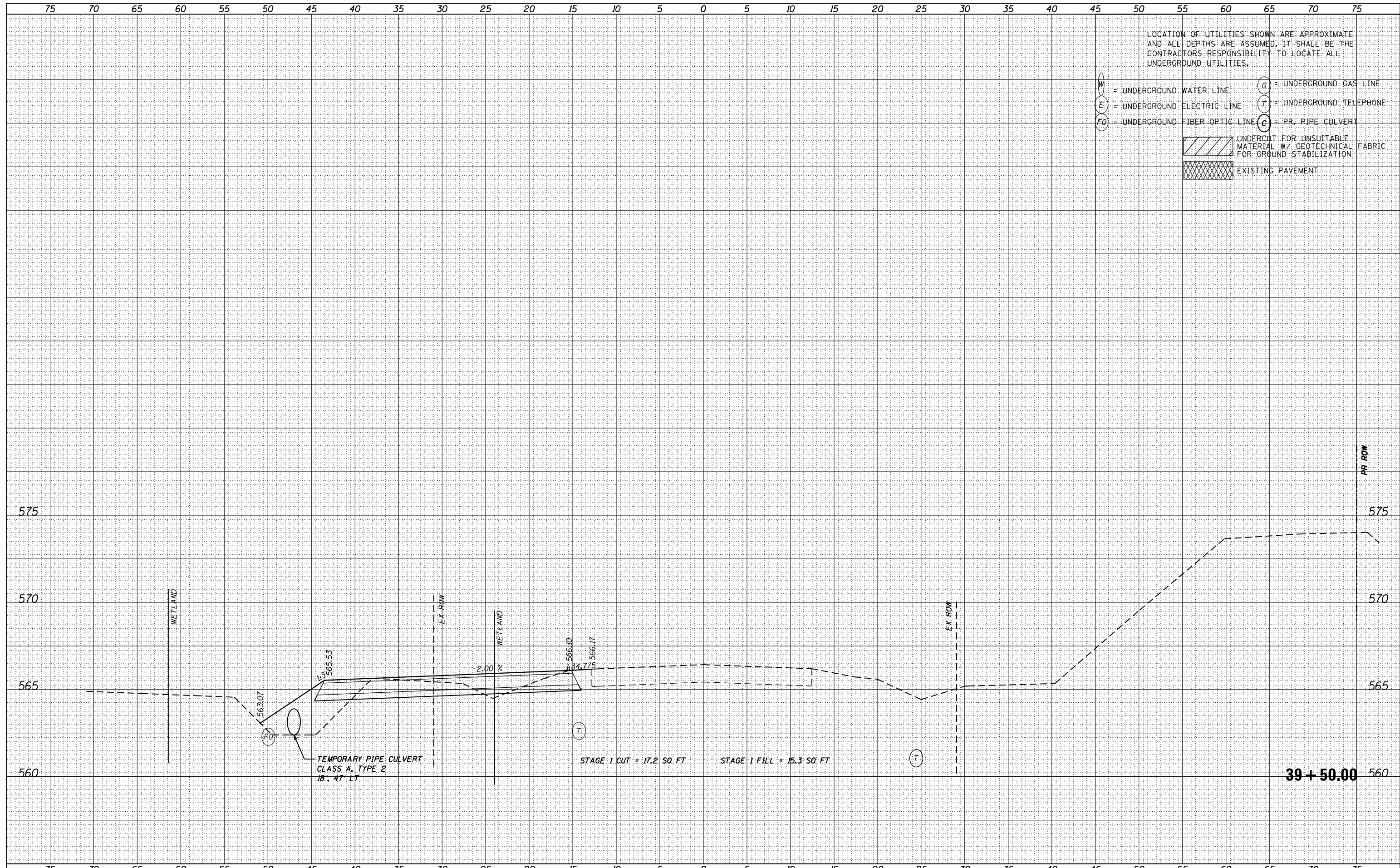
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	382
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

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

LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTORS RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

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- C = PR. PIPE CULVERT
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- EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

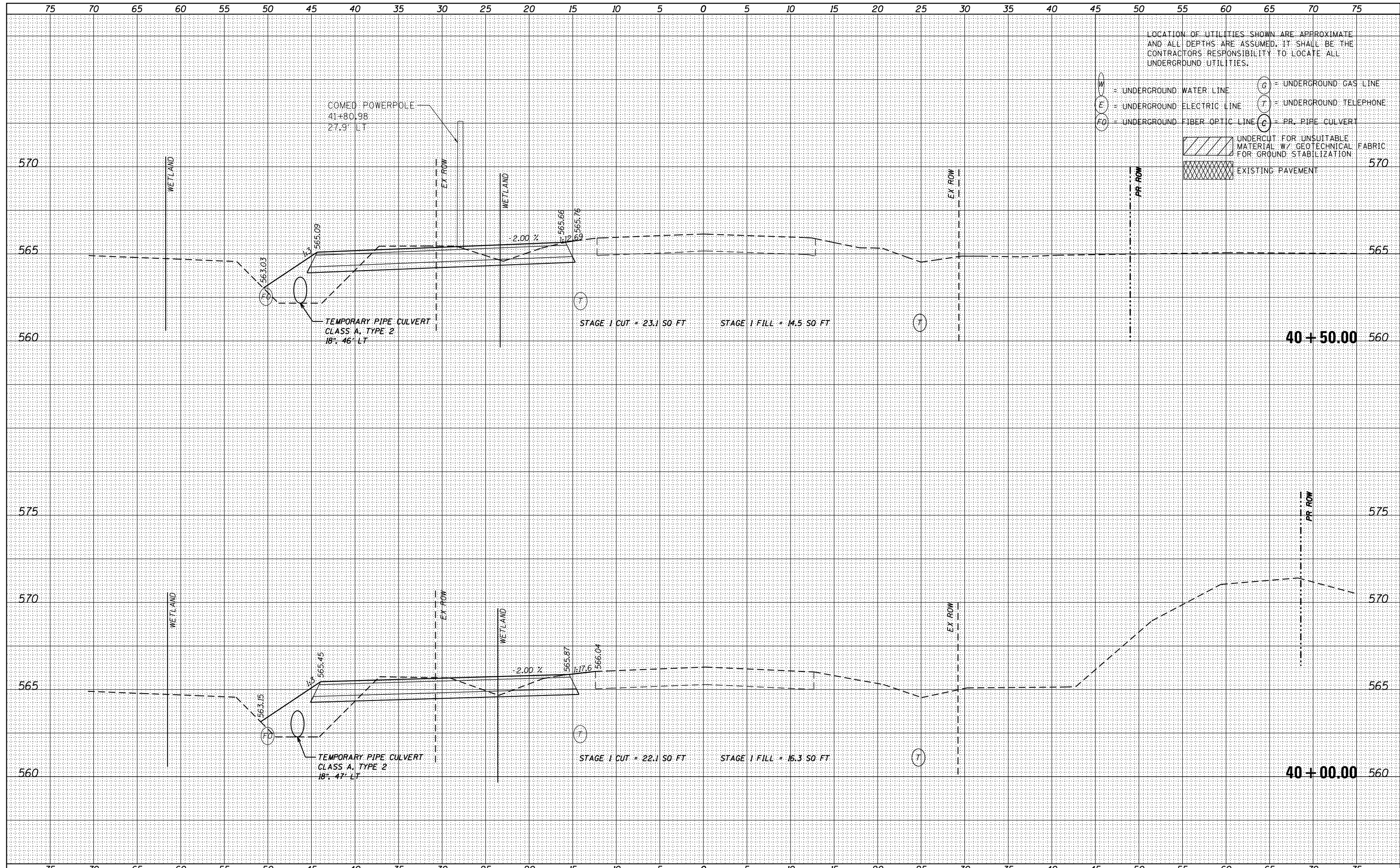
CROSS SECTIONS
IL 53 - STAGE 1
SCALE: 1"=5'H, 2.5"V SHEET 45 OF 55 SHEETS STA. 39+50.00 TO STA. 39+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	383
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

39 + 50.00

DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
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DATE	
BY	
ORIGINAL SURVEY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS	
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USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

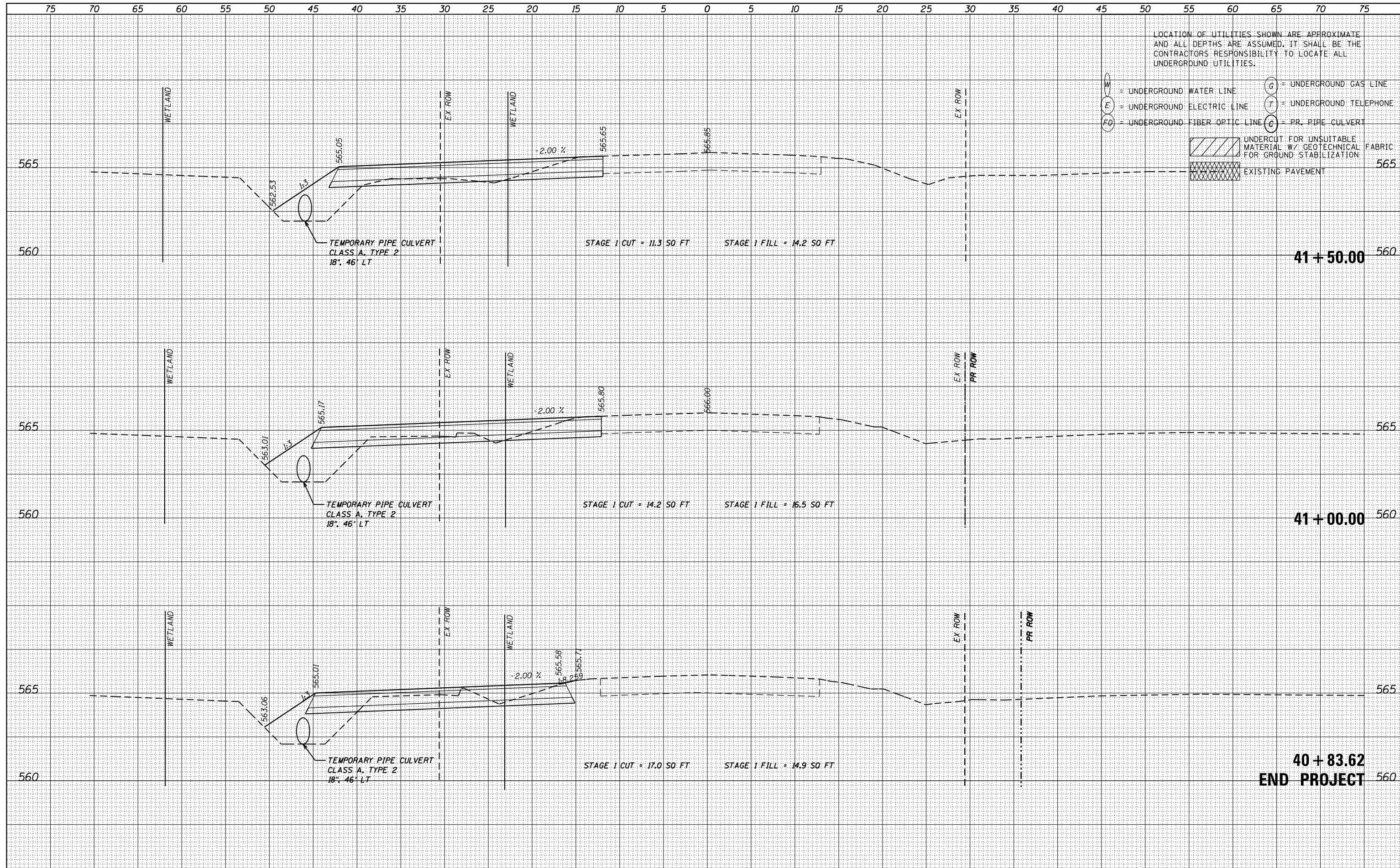
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'4,2,5'V SHEET 46 OF 55 SHEETS STA. 40+00.00 TO STA. 40+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	384
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE	
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FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
AREAS CHECKED	

DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
AREAS CHECKED	



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

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 C = PR. PIPE CULVERT

[Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

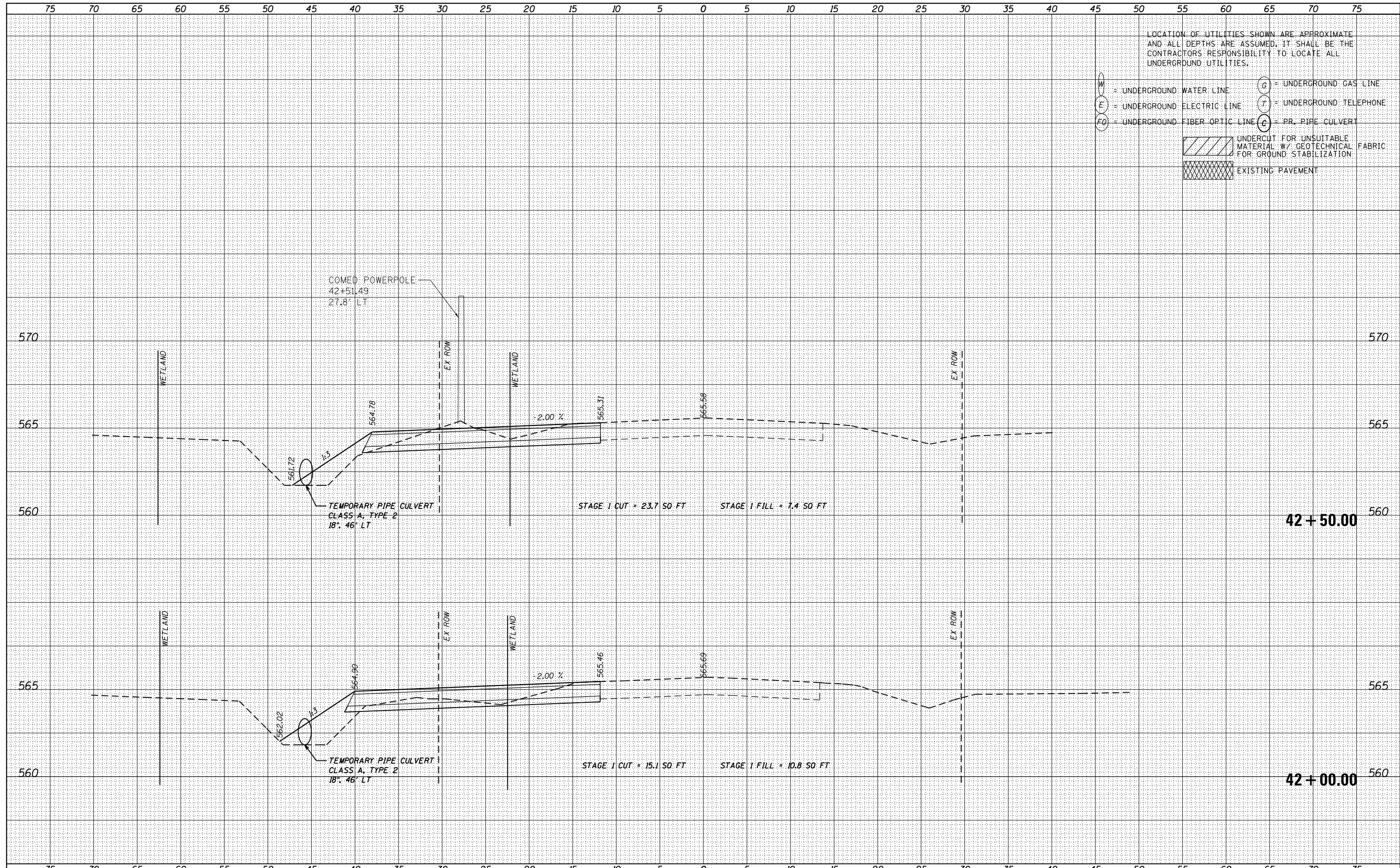
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5"V SHEET 47 OF 55 SHEETS STA. 40+83.62 TO STA. 41+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	385
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

DATE	
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FINISHED SURVEY	
PLOTTED TEMPLATE	
NOTE BOOK	
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PLOTTED TEMPLATE	
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- EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
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PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

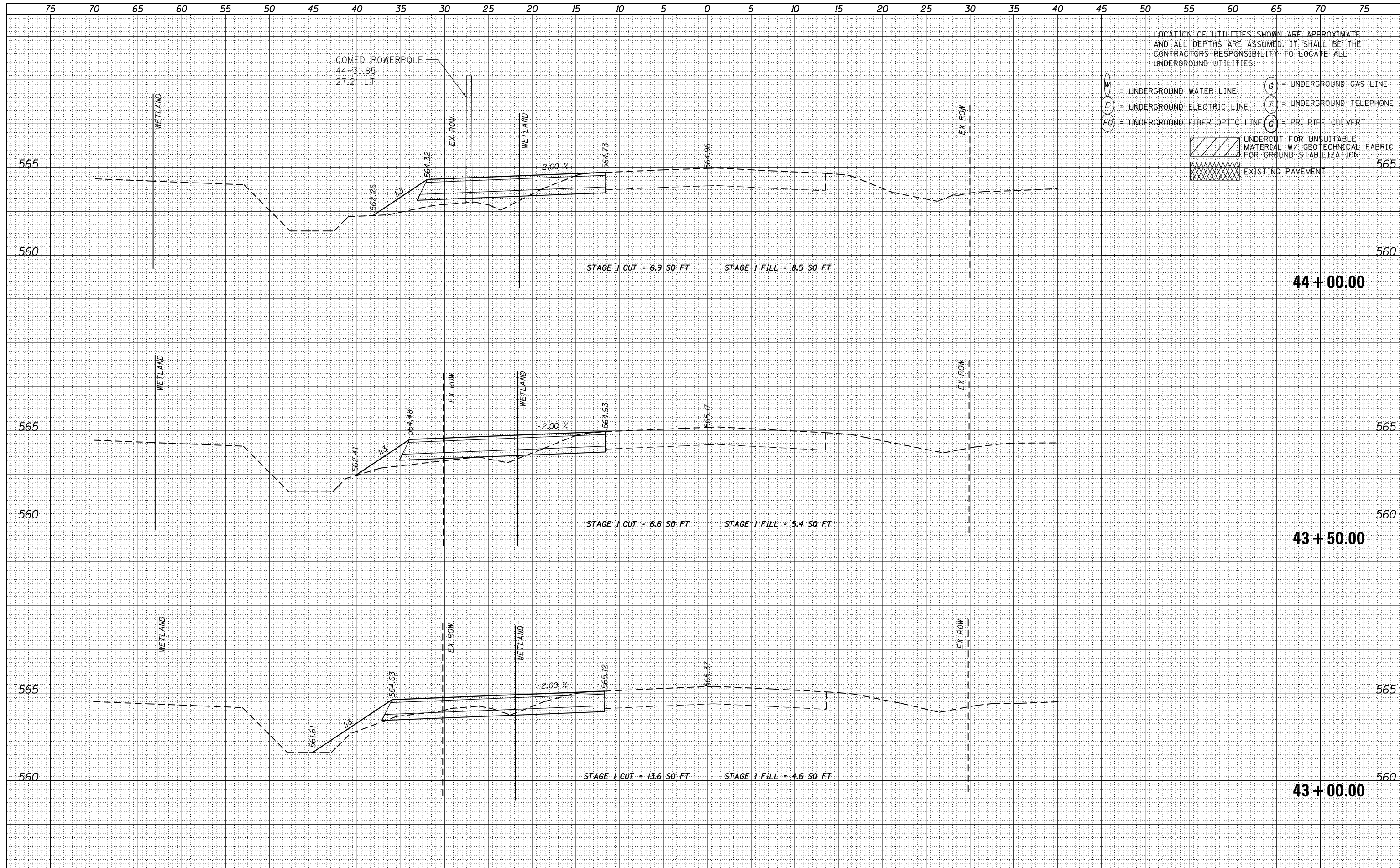
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 48 OF 55 SHEETS STA. 42+00.00 TO STA. 42+50.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	386
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

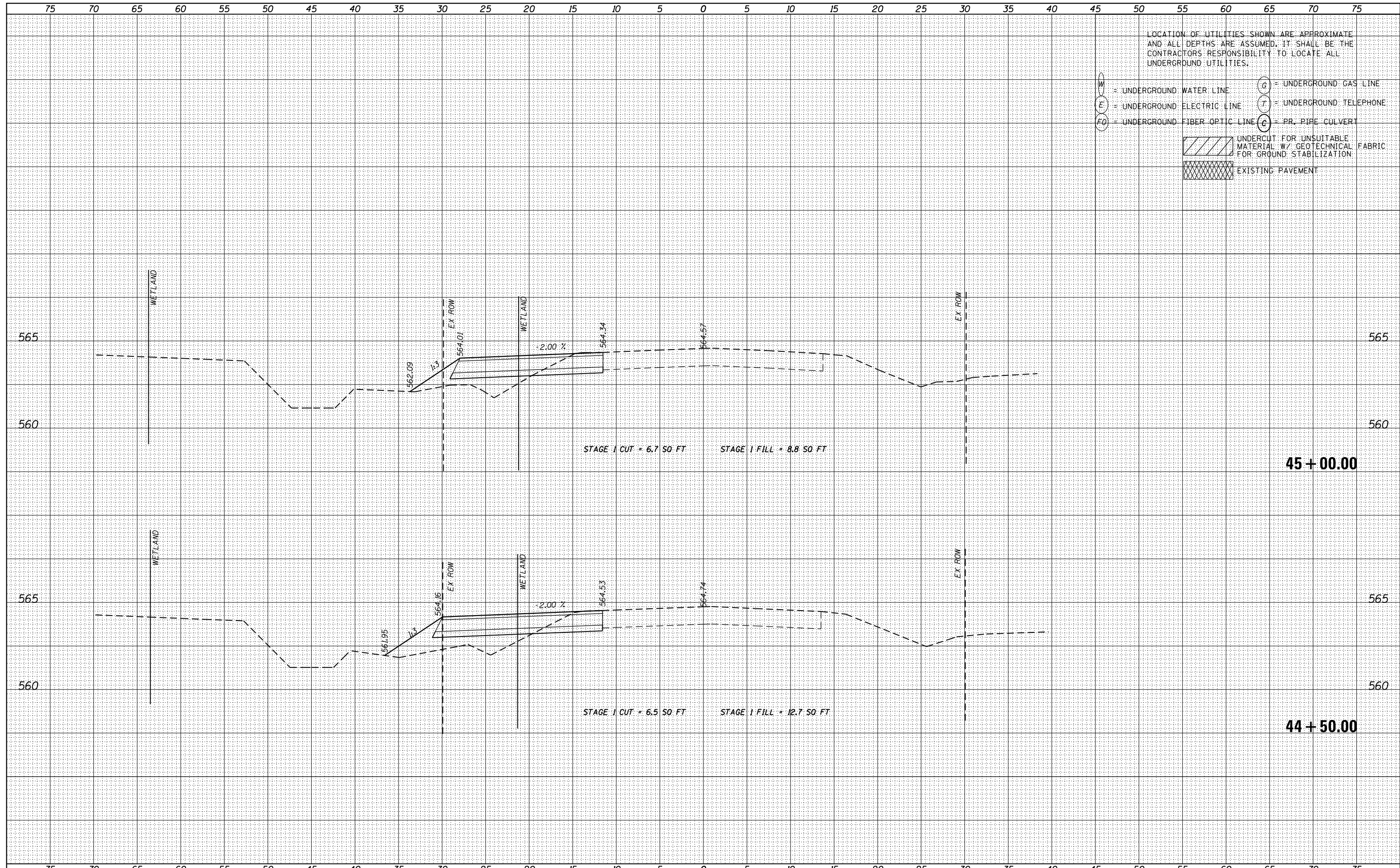
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TEMPLATE	
NOTE BOOK	
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DATE	
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ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
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USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

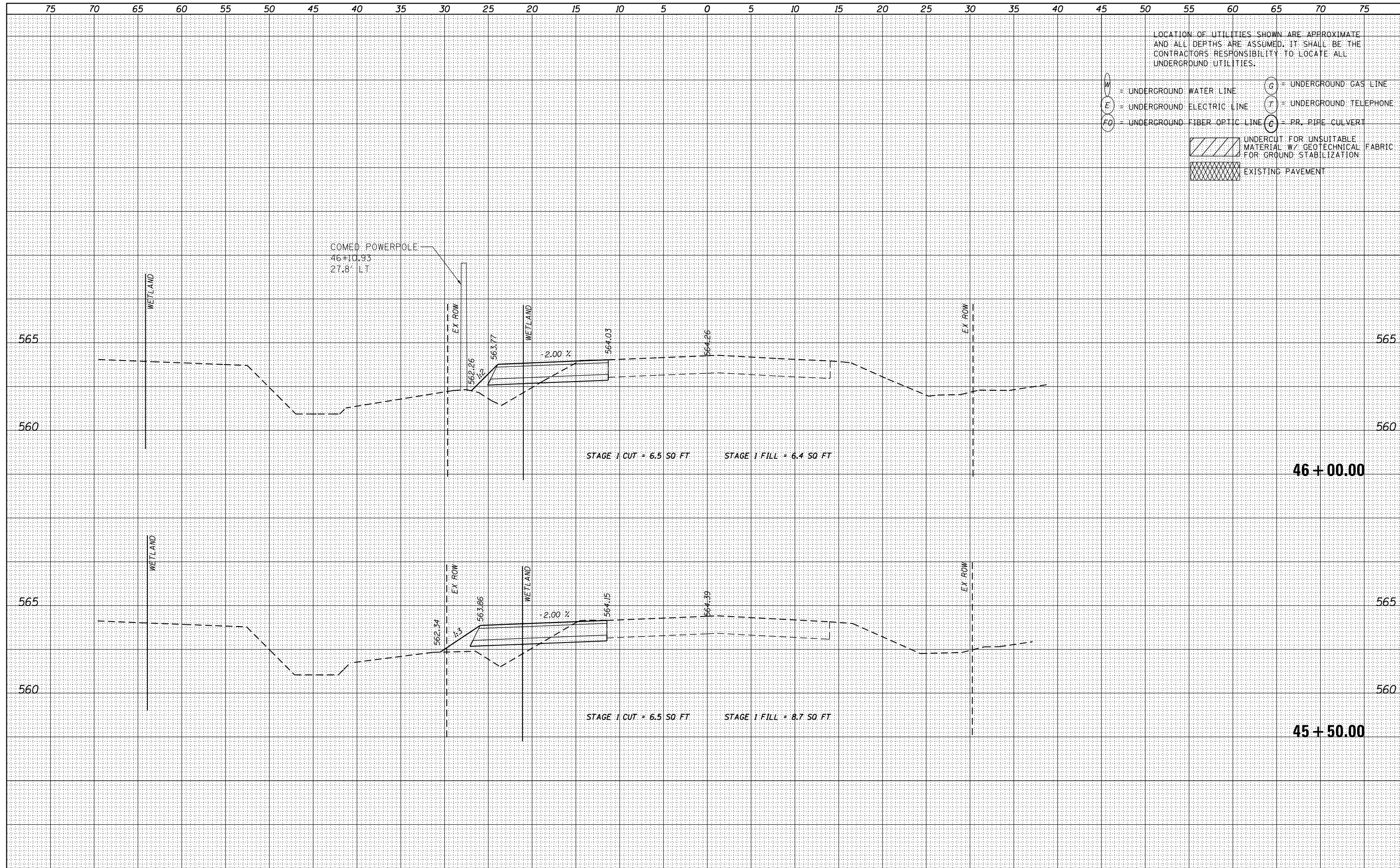
SCALE: 1"=5'H, 2.5'V SHEET 50 OF 55 SHEETS STA. 44+50.00 TO STA. 45+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	388
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

DATE	
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NOTE BOOK	
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NOTE BOOK	
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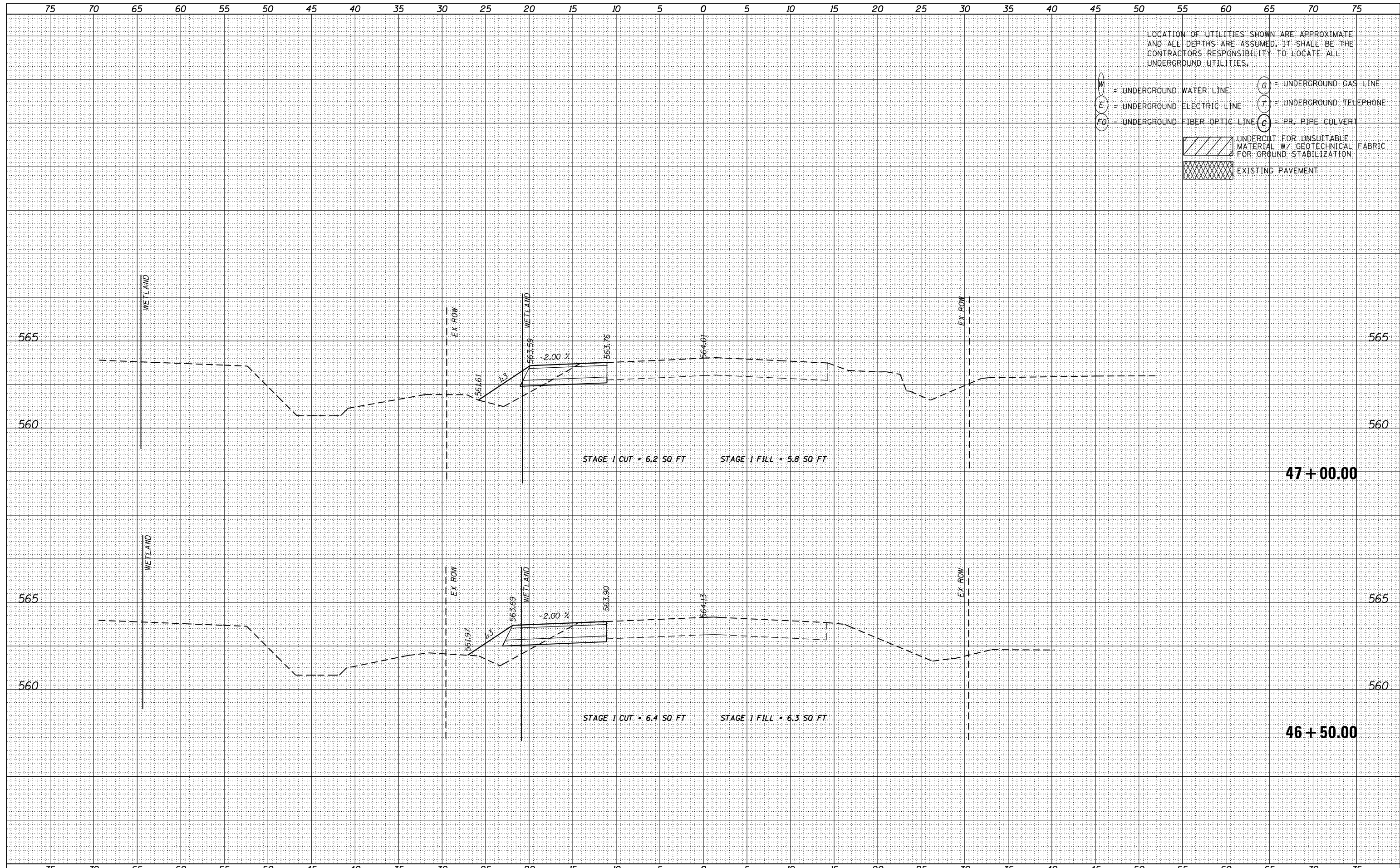
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[Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
 [Cross-hatched Box] EXISTING PAVEMENT

DATE	
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FINISHED SURVEY	
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NOTE BOOK	
AREAS CHECKED	
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DATE	
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ORIGINAL SURVEY	
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NOTE BOOK	
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- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

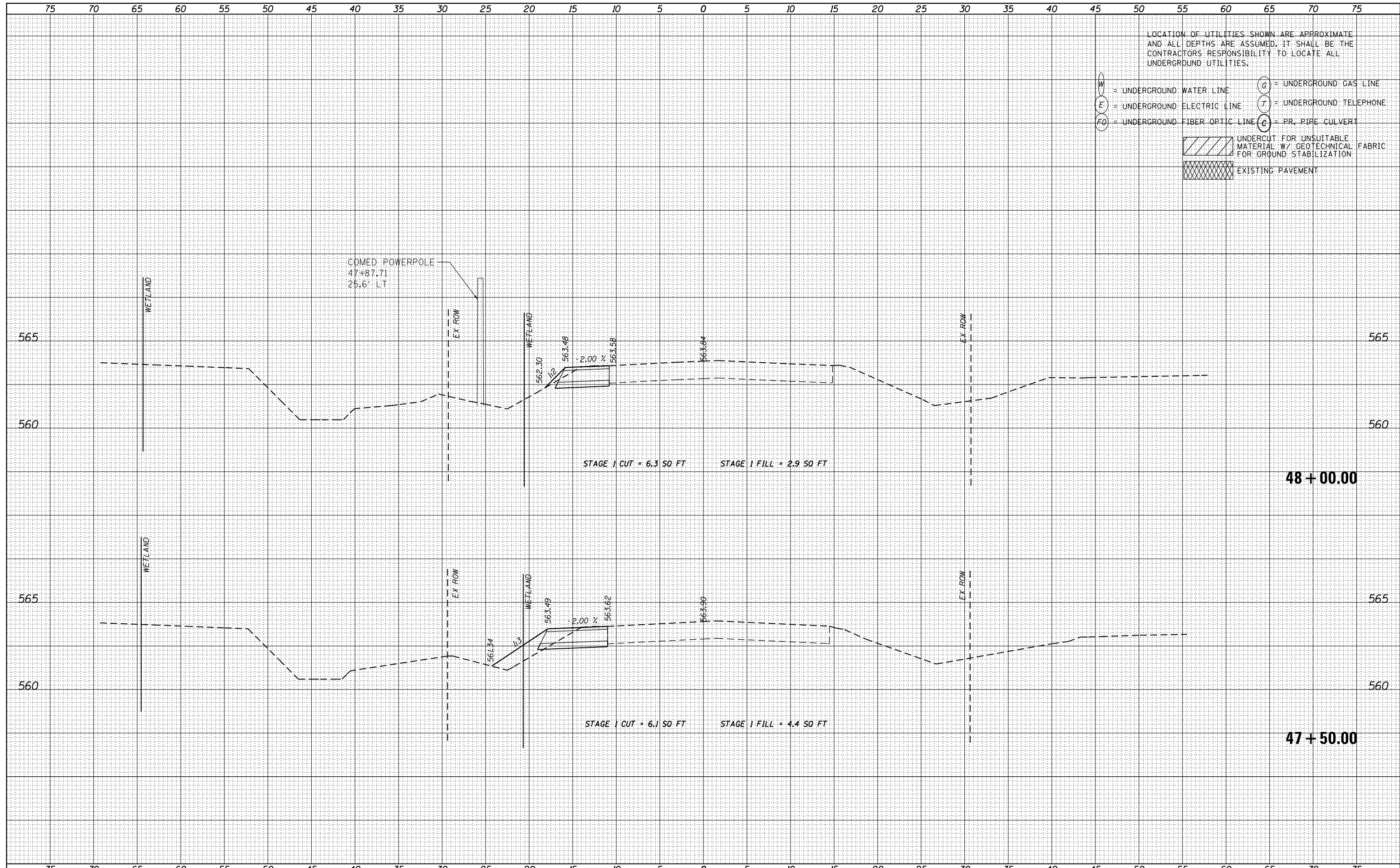
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 52 OF 55 SHEETS STA. 46+50.00 TO STA. 47+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	390
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

DATE	
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FINISHED SURVEY	
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NOTE BOOK	
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DATE	
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ORIGINAL SURVEY	
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TEMPLATE	
NOTE BOOK	
AREAS CHECKED	
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	DRAWN - BWL	REVISED -
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PLOT DATE - 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

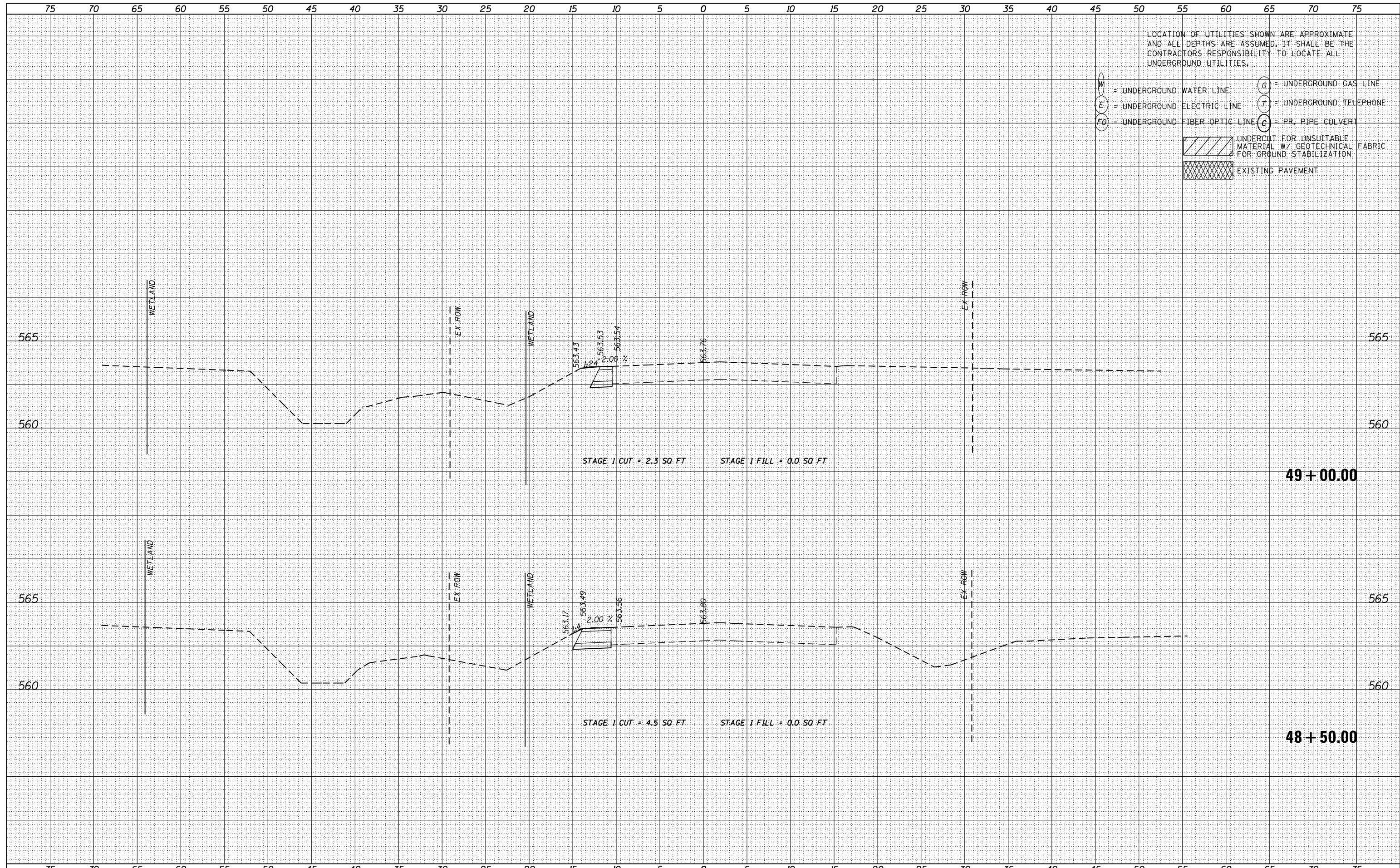
CROSS SECTIONS
IL 53 - STAGE 1

SCALE: 1"=5'H, 2.5'V SHEET 53 OF 55 SHEETS STA. 47+50.00 TO STA. 48+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	391
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE = 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE = 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

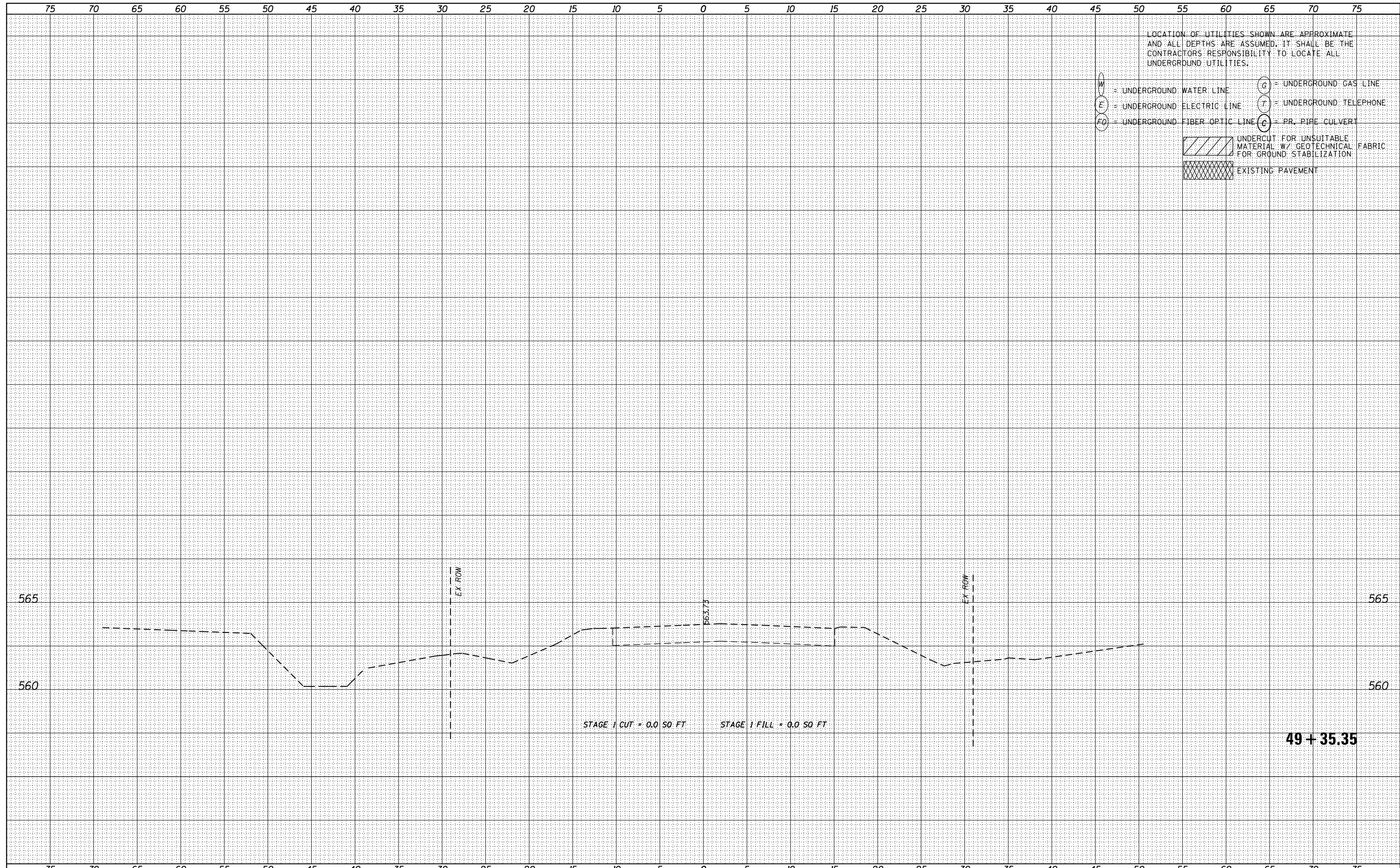
**CROSS SECTIONS
IL 53 - STAGE 1**

SCALE: 1"=5'H, 2.5'V SHEET 54 OF 55 SHEETS STA. 48+50.00 TO STA. 49+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	392
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

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



LOCATION OF UTILITIES SHOWN ARE APPROXIMATE AND ALL DEPTHS ARE ASSUMED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO LOCATE ALL UNDERGROUND UTILITIES.

- W = UNDERGROUND WATER LINE
- E = UNDERGROUND ELECTRIC LINE
- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME = nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 1

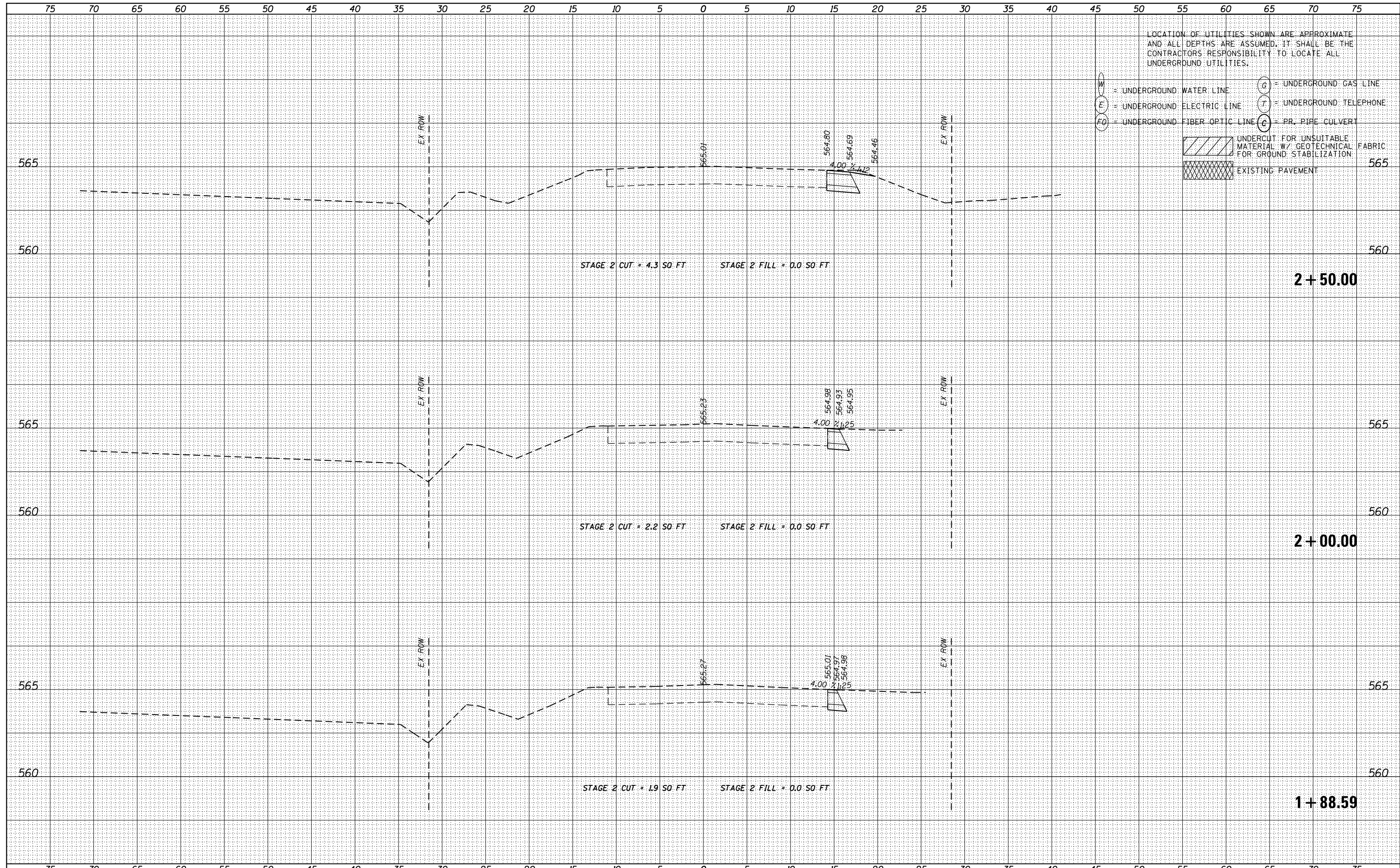
SCALE: 1"=5'4,2,5'V SHEET 55 OF 55 SHEETS STA. 49+35.35 TO STA. 49+35.35

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	393
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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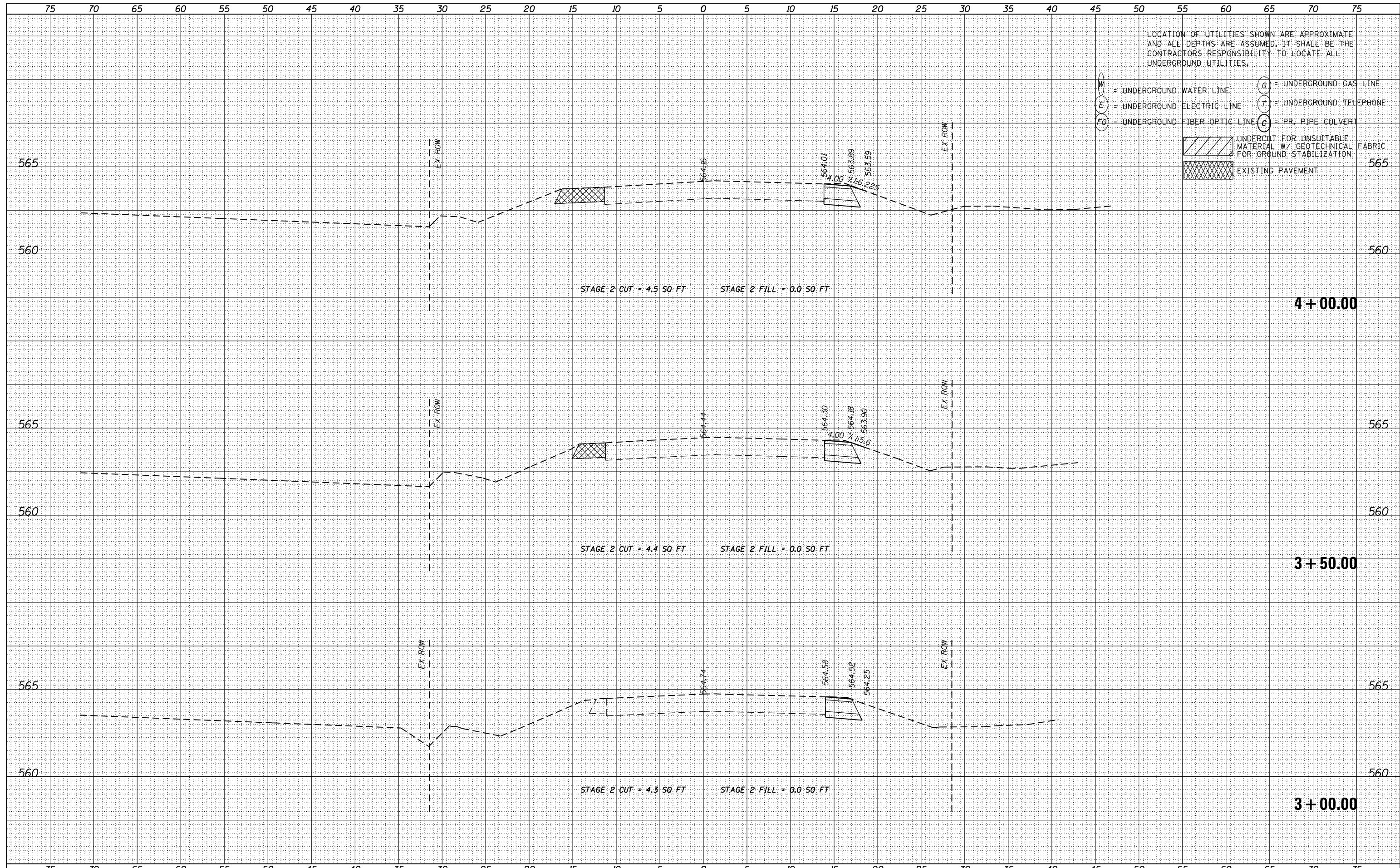


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- E = UNDERGROUND ELECTRIC LINE
- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- PR = PIPE CULVERT
- UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- EXISTING PAVEMENT

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

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

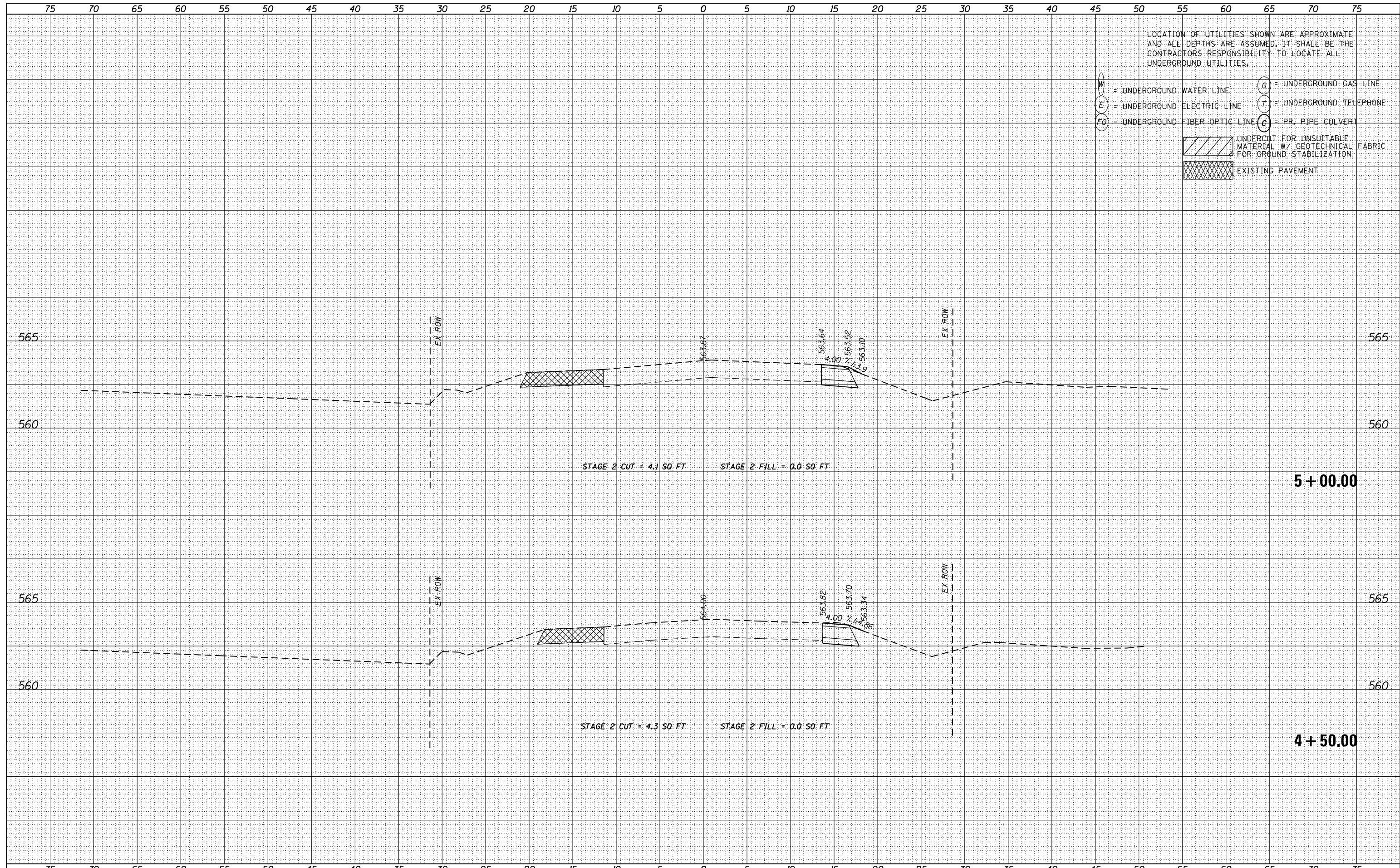
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 2
 SCALE: 1"=5'H, 2.5'V SHEET 2 OF 57 SHEETS STA. 3+00.00 TO STA. 4+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	395
CONTRACT NO. 62B33			ILLINOIS FED. AID PROJECT	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
TEMPLATE	
AREAS CHECKED	
NO.	



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- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 2

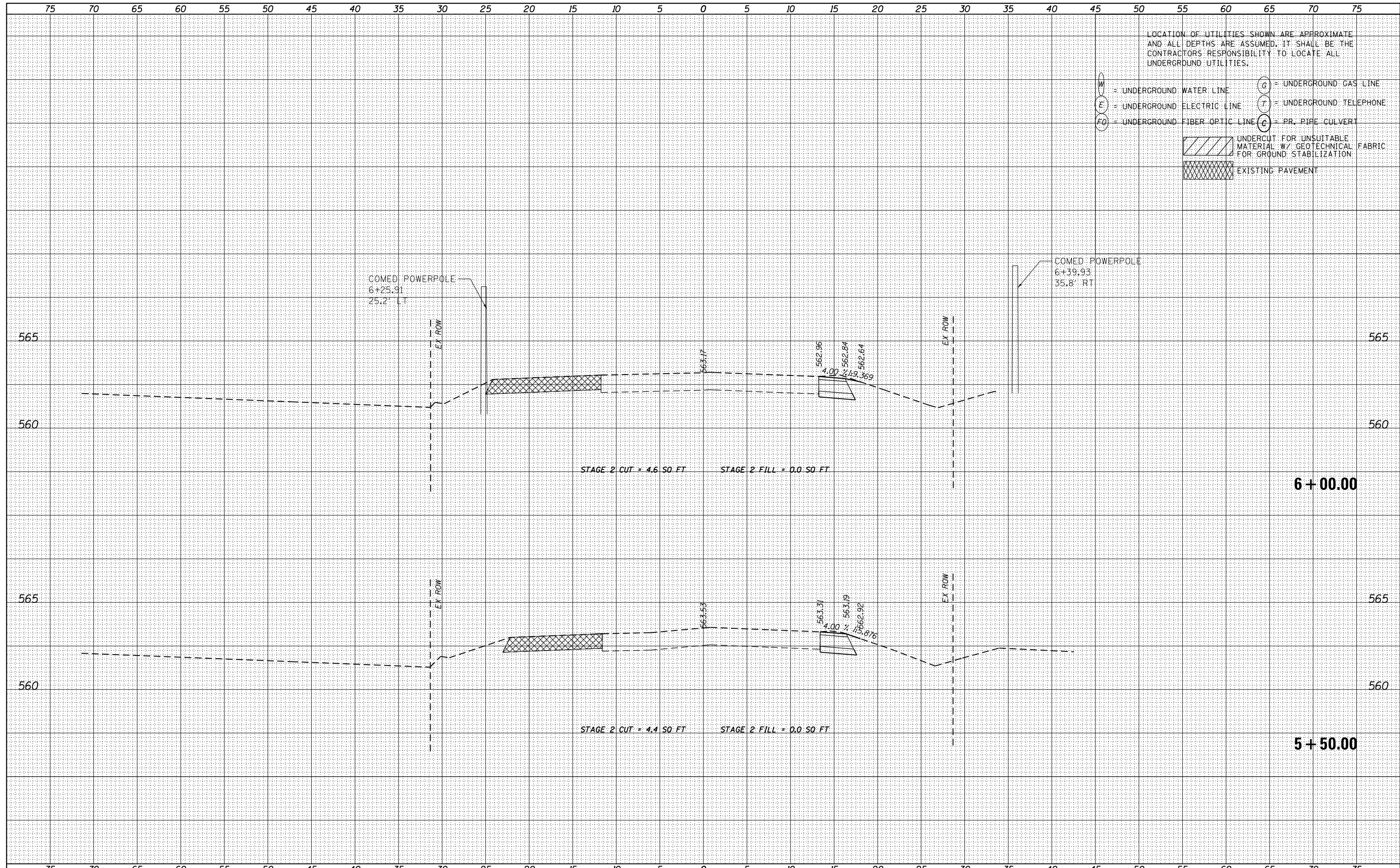
SCALE: 1"=5'4,2.5'V SHEET 3 OF 57 SHEETS STA. 4+50.00 TO STA. 5+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	396
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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

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



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- FO = UNDERGROUND FIBER OPTIC LINE
- G = UNDERGROUND GAS LINE
- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE - 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE - 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

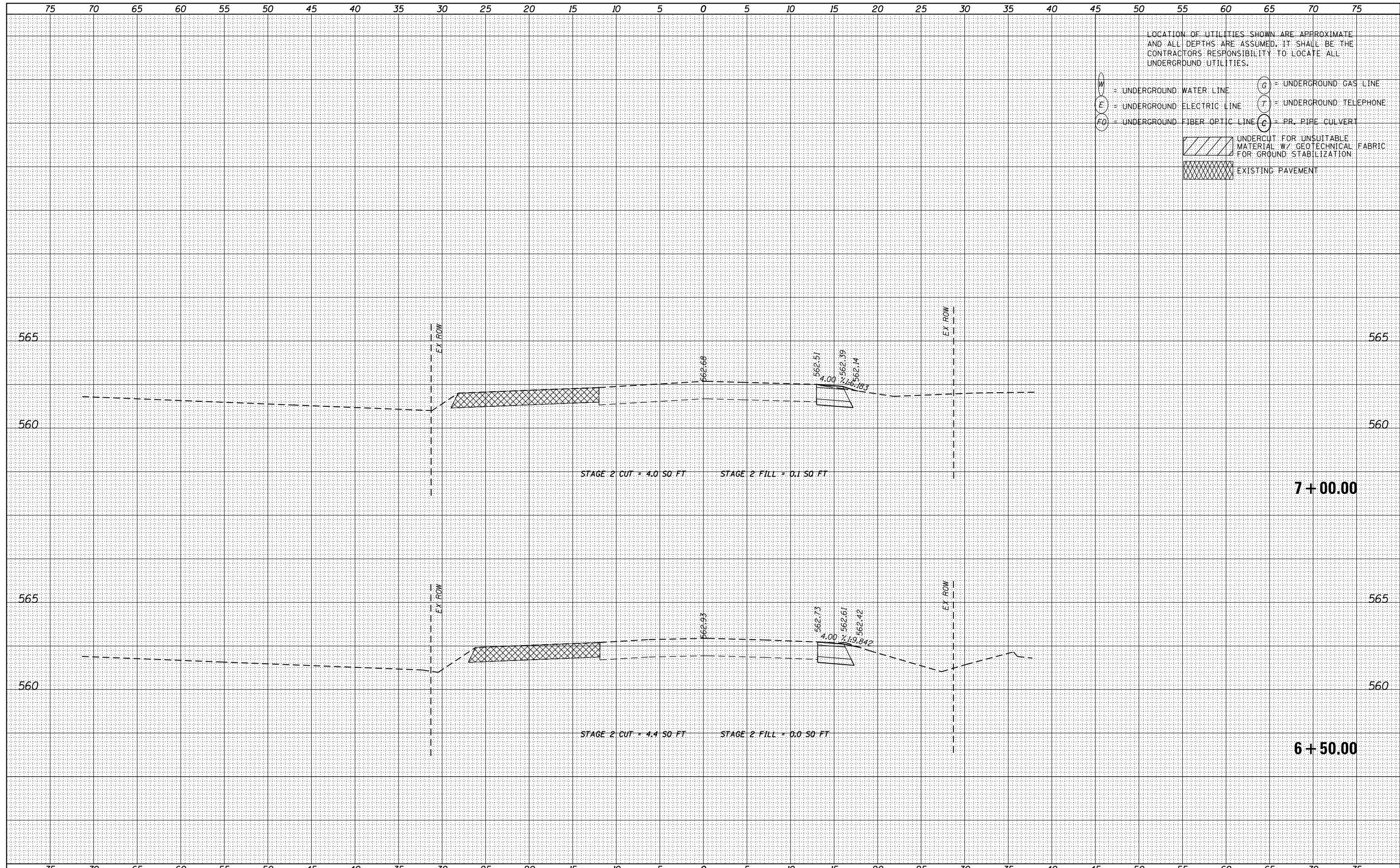
CROSS SECTIONS
IL 53 - STAGE 2

SCALE: 1"=5'H, 2.5'V SHEET 4 OF 57 SHEETS STA. 5+50.00 TO STA. 6+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	397
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	
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- T = UNDERGROUND TELEPHONE
- C = PR. PIPE CULVERT
- [Hatched Box] UNDERCUT FOR UNSUITABLE MATERIAL W/ GEOTECHNICAL FABRIC FOR GROUND STABILIZATION
- [Cross-hatched Box] EXISTING PAVEMENT



USER NAME - nick.becker	DESIGNED - JLM	REVISIED -
	DRAWN - BWL	REVISIED -
PLOT SCALE - 10.0000' / in.	CHECKED - NJB	REVISIED -
PLOT DATE - 3/23/2016	DATE - 02/05/2016	REVISIED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

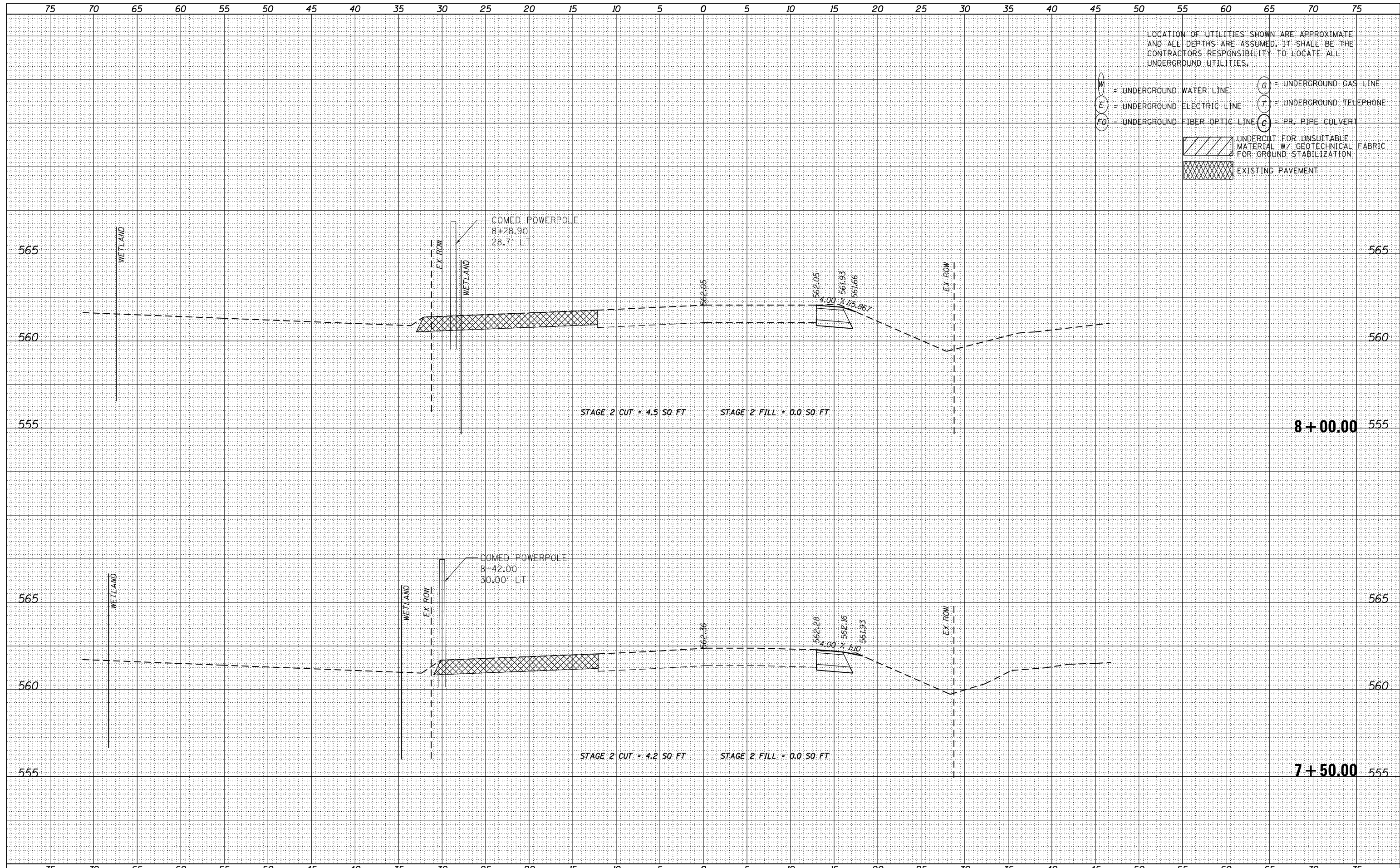
CROSS SECTIONS
IL 53 - STAGE 2

SCALE: 1"=5'H, 2.5'V SHEET 5 OF 57 SHEETS STA. 6+50.00 TO STA. 7+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	398
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				

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

DATE	
BY	
ORIGINAL SURVEY	
PLOTTED TEMPLATE	
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USER NAME - nick.becker	DESIGNED - JLM	REVISED -
	DRAWN - BWL	REVISED -
PLOT SCALE = 10.0000' / in.	CHECKED - NJB	REVISED -
PLOT DATE = 3/23/2016	DATE - 02/05/2016	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

CROSS SECTIONS
IL 53 - STAGE 2

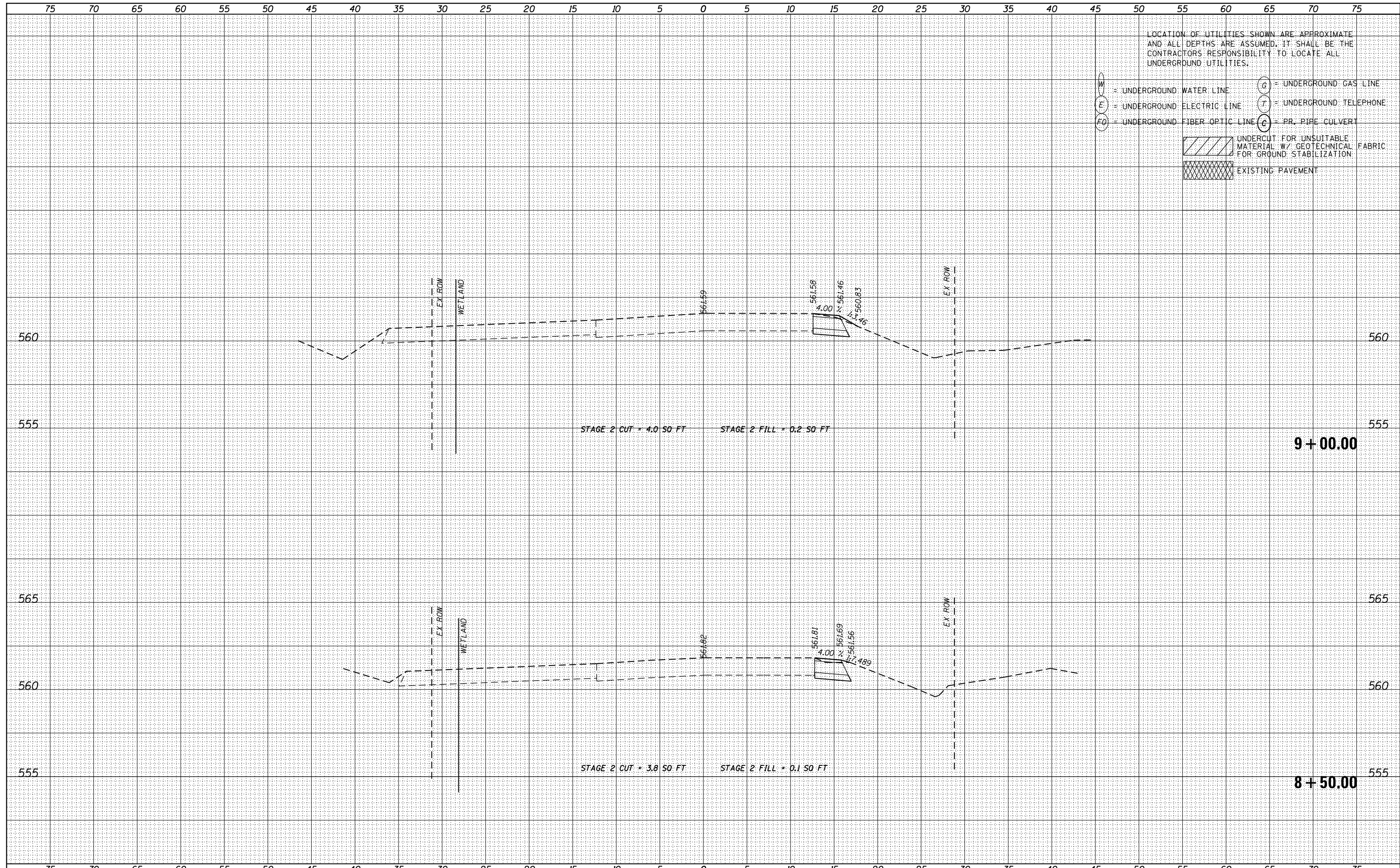
SCALE: 1"=5'H, 2.5'V SHEET 6 OF 57 SHEETS STA. 7+50.00 TO STA. 8+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	399
				CONTRACT NO. 62B33

ILLINOIS FED. AID PROJECT

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

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



USER NAME - nick.becker	DESIGNED - JLM	REVISED -
PLOT SCALE - 10.0000' / in.	DRAWN - BWL	REVISED -
PLOT DATE - 3/23/2016	CHECKED - NJB	REVISED -
	DATE - 02/05/2016	REVISED -

**STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION**

**CROSS SECTIONS
IL 53 - STAGE 2**

SCALE: 1"=5'H, 2.5'V SHEET 7 OF 57 SHEETS STA. 8+50.00 TO STA. 9+00.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
846	DIHSRR2016-02&03	WILL	580	400
				CONTRACT NO. 62B33
ILLINOIS FED. AID PROJECT				