

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00008-01-SW	WOODFORD	16	1
FED. ROAD DIST. NO.	ILLINOIS	CONTRACT NO. 89688		

# VILLAGE OF GERMANTOWN HILLS

## FANDEL ROAD SIDEWALK IMPROVEMENTS

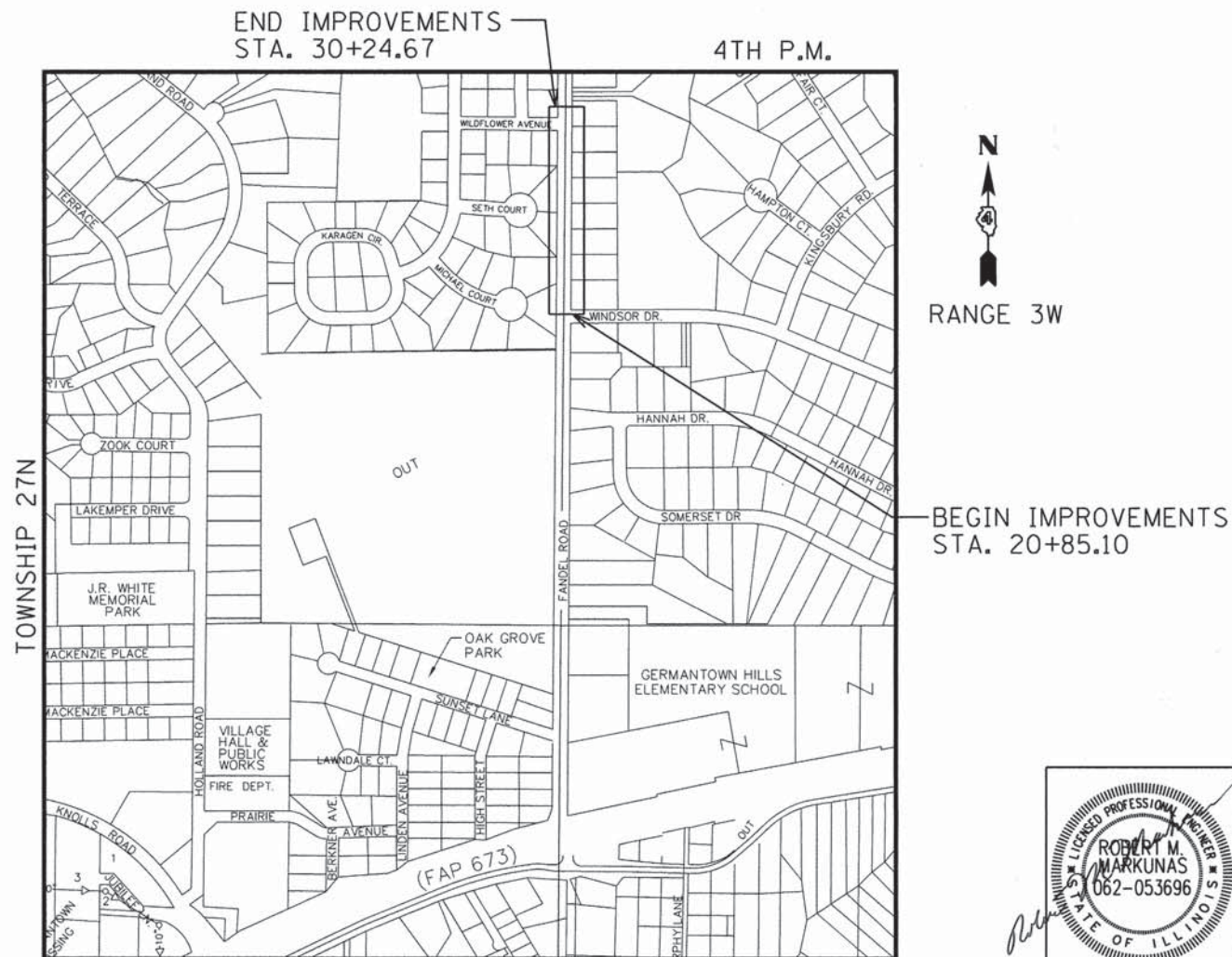
**SECTION 14-00008-01-SW**  
**PROJECT SRTS-4009(333)**  
**JOB C-94-065-15**  
**WOODFORD COUNTY, ILLINOIS**

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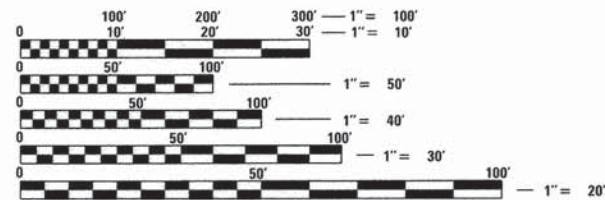
HIGHWAY STANDARD DETAIL PLANS

000001-06	ABBREVIATIONS, SYMBOLS AND PATTERNS
280001-07	TEMPORARY EROSION CONTROL SYSTEMS
424001-08	PERPENDICULAR CURB RAMPS FOR SIDEWALKS
424011-02	CORNER PARALLEL CURB RAMPS FOR SIDEWALKS
424021-03	DEPRESSED CORNER FOR SIDEWALKS
442201-03	CLASS C AND D PATCHES
602301-04	INLET - TYPE A
602306-03	INLET - TYPE B
602601-04	PRECAST REINFORCED CONCRETE FLAT SLAB TOP
604001-04	FRAME AND LID TYPE 1
604036-03	GRATE TYPE 8
604011-05	FRAME AND GRATE TYPE 3V
606001-06	CONCRETE CURB TYPE B AND COMBINATION CONCRETE CURB AND GUTTER
701006-05	OFF-RD OPERATIONS, 2W, 2L, 15' TO 24" FROM PAVEMENT EDGE
701011-04	OFF-RD MOVING OPERATIONS, 2L, 2W, DAY ONLY
701301-04	LANE CLOSURE, 2L, 2W, SHORT TIME OPERATIONS
701326-04	LANE CLOSURE, 2L, 2W, PAVEMENT WIDENING, FOR SPEEDS OVER 45 MPH
701901-05	TRAFFIC CONTROL DEVICES
780001-05	TYPICAL PAVEMENT MARKINGS
701801-06	SIDEWALK, CORNER OR CROSSWALK CLOSURE



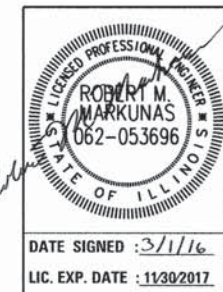
**LOCATION MAP**

FANDEL ROAD GROSS/NET LENGTH : = 940 L.F. (0.18 MILES)



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

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



AGENCY RESPONSIBLE FOR LETTING
APPROVED <i>March 3</i> 2016 <i>Paul Smith</i> VILLAGE OF GERMANTOWN HILLS, SUPERINTENDENT OF PUBLIC WORKS
PASSED <i>March 15</i> 2016 <i>[Signature]</i> DISTRICT 4 ENGINEER OF LOCAL ROADS AND STREETS
RELEASING FOR BID <i>March 17</i> 2016 BASED ON LIMITED REVIEW <i>[Signature]</i> DEPUTY DIRECTOR OF HIGHWAYS, REGION 3 ENGINEER

**CONTRACT NO. 89688**  
**CATALOG NO. 033865**

**GENERAL NOTES**

1. THE LOCATION OF DRAINAGE STRUCTURES, STORM SEWERS, WATER MAINS, SANITARY SEWERS, AND OTHER PUBLIC OR PRIVATE UTILITIES AS SHOWN ON THE PLANS IS APPROXIMATE AND THEIR EXACT LOCATION IS TO BE DETERMINED IN THE FIELD BY THE CONTRACTOR. THIS WORK SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE CONTRACT.
2. THE CONTRACTOR SHALL NOTIFY ALL UTILITY COMPANIES OF THE CONSTRUCTION SCHEDULE PRIOR TO BEGINNING CONSTRUCTION. UTILITY OWNERS SHALL BE REQUESTED TO RELOCATE THEIR FACILITIES IN COOPERATION WITH THE CONTRACTORS ACTIVITIES. THE CONTRACTOR IS RESPONSIBLE FOR PROTECTING THESE FACILITIES FROM DAMAGE DURING CONSTRUCTION OF THE ROADWAY IMPROVEMENTS. ALL UTILITY LOCATIONS SHOWN MUST BE VERIFIED BY THE CONTRACTOR IN THE FIELD.
3. ALL AREAS DISTURBED DURING CONSTRUCTION OPERATIONS AND NOT PART OF THE WORK AS SHOWN HEREIN SHALL BE RESTORED TO ORIGINAL CONDITION TO THE SATISFACTION OF THE ENGINEER AT NO ADDITIONAL COST. IT IS INCUMBENT UPON THE CONTRACTOR TO SHOW THAT DAMAGED AREAS WERE NOT DISTURBED BY CONSTRUCTION OPERATIONS.
4. THE CONTRACTOR SHALL TAKE ALL NECESSARY SAFETY PRECAUTIONS TO PROTECT CONSTRUCTION WORKERS, ABUTTING PROPERTY, UTILITIES, PEDESTRIANS, AND VEHICLES.
5. THE CONTRACTOR IS RESPONSIBLE FOR COORDINATING WITH UTILITY COMPANIES TO CAUSE THE ADJUSTMENT, RELOCATION, OR REMOVAL OF EXISTING UTILITIES AS NECESSARY TO ALLOW CONSTRUCTION OF THE PROPOSED IMPROVEMENTS IDENTIFIED IN THESE PLANS.
6. CONTRACTOR IS RESPONSIBLE FOR REMOVAL, STORAGE, AND RE-INSTALLATION OF ALL EXISTING SIGNAGE AND OTHER ITEMS THAT ARE IMPACTED BY THIS CONTRACT AND ARE NOT SHOWN AS BEING REPLACED. THE LOCATION OF RE-INSTALLED SIGNAGE IS TO BE DETERMINED BY THE ENGINEER. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING ANY OF THESE ITEMS THAT ARE DAMAGED AS A RESULT OF THIS CONTRACT AT NO ADDITIONAL COST. THE REMOVAL AND RE-INSTALLATION OF THESE ITEMS SHALL BE PERFORMED AT NO ADDITIONAL COST TO THE CONTRACT.
7. THE CONTRACTOR SHALL MAINTAIN TWO-WAY TRAFFIC ON FANDEL ROAD THROUGHOUT THE DURATION OF CONSTRUCTION.
8. CONTRACTOR MUST SAWCUT FOR SIDEWALK AT EXISTING PAVEMENTS AT LOCATIONS SHOWN ON THE PLANS TO AVOID DAMAGE TO ADJACENT ROADWAYS.
9. ANY REFERENCE TO A STANDARD IN THESE PLANS SHALL BE INTERPRETED TO MEAN THE EDITION AS INDICATED BY THE SUBNUMBER SHOWN IN THE LIST OF STANDARDS OR THE COPY INCLUDED IN THESE PLANS.
10. CONTRACTOR SHALL DISPOSE OF ALL CONSTRUCTION DEBRIS IN CONFORMANCE WITH CURRENT IEPA REGULATIONS.
11. EXISTING TRAFFIC CONTROL SIGNS AND DEVICES THAT ARE IN CONFLICT WITH CONSTRUCTION TRAFFIC CONTROL SIGNS AND DEVICES SHALL BE REMOVED OR COVERED BY THE CONTRACTOR ONCE THE CONSTRUCTION TRAFFIC CONTROL SYSTEM IS IN PLACE. ANY SIGNS OR DEVICES LEFT IN PLACE ARE TO BE PROTECTED FROM DAMAGE DURING CONSTRUCTION. ANY DAMAGED SIGNS OR DEVICES SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR.
12. THE CONTRACTOR MUST CONTACT J.U.L.I.E. AT LEAST 48 HOURS BEFORE EXCAVATING ANY MATERIAL OR BORING OPERATIONS.
13. ALL REMOVED DRIVEWAY CULVERTS SHALL BE RETURNED TO THE VILLAGE OF GERMANTOWN HILLS PUBLIC WORKS GARAGE AT 216 HOLLAND ROAD, GERMANTOWN HILLS, IL.
14. ACCESS TO EACH PROPERTY SHALL BE PROVIDED AT ALL TIMES BY A MINIMUM 10' WIDE DRIVEWAY.

**DISTRICT 4 GENERAL NOTES**

1. ENVIRONMENTAL REVIEWS - PRIOR TO THE USE OF ANY PROPOSED BORROW AREAS, USE AREAS (TEMPORARY ACCESS ROADS, DETOURS, RUN-AROUNDS, ETC.) AND/OR WASTE AREAS, THE CONTRACTOR SHALL FILE THE REQUIRED ENVIRONMENTAL RESOURCE REQUEST SURVEYS ACCORDING TO SECTION 107.22 OF THE STANDARD SPECIFICATIONS. THESE SURVEYS ARE REQUIRED IN ORDER FOR THE DEPARTMENT TO CONDUCT CULTURAL AND BIOLOGICAL RESOURCE SURVEYS FOR THE PROPOSED SITE.

PRIOR TO ANY WASTE MATERIALS BEING REMOVED FROM THE CONSTRUCTION SITE THE REQUIRED ENVIRONMENTAL RESOURCE SURVEYS WILL NEED TO BE OBTAINED AND FILED BY THE CONTRACTOR. EXCESS WASTE PRODUCTS REMOVED FROM THE CONSTRUCTION SITE SHALL BE DISPOSED OF AS REQUIRED IN SECTION 202.03 OF THE STANDARD SPECIFICATIONS.

ANY PROTRUDING METAL BARS SHALL BE REMOVED PRIOR TO THE DISPOSAL OF BROKEN CONCRETE AT APPROVED DISPOSAL SITES.

THE REQUIRED ENVIRONMENTAL RESOURCE DOCUMENTATION SHALL INCLUDE THE FOLLOWING:

- BDE FORM 2289 (ENVIRONMENTAL SURVEY REQUEST)
- BDE FORM 2290 (WASTE/USE AREA REVIEW)
- A LOCATION MAP SHOWING THE SIZE LIMITS AND LOCATION OF THE USE AREA
- COLOR PHOTOGRAPHS DEPICTING THE USE AREA
- BORROW AREA ENTRY AGREEMENT FORM-D4 P10101

PLEASE NOTE THAT A MINIMUM OF FOUR WEEKS SHALL BE ALLOWED FOR THE DISTRICT TO OBTAIN THE REQUIRED ENVIRONMENTAL CLEARANCES AND SIX WEEKS FOR THE REQUIRED BORROW SITE ENVIRONMENTAL CLEARANCES.

**SUMMARY OF QUANTITIES**

SP	Code No.	Description	Unit	Total Qty
	20200100	EARTH EXCAVATION	CU YD	104
	20400800	FURNISHED EXCAVATION	CU YD	200
	20800150	TRENCH BACKFILL	CU YD	150
	25000400	NITROGEN FERTILIZER NUTRIENT	POUND	18
	25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	18
	25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	18
	25200110	SODDING, SALT TOLERANT	SQ YD	849
	28000400	PERIMETER EROSION BARRIER	FOOT	829
	28000500	INLET AND PIPE PROTECTION	EACH	8
	31100100	SUBBASE GRANULAR MATERIAL, TYPE A	TON	369
	42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	251
	42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3,873
	42400800	DETECTABLE WARNINGS	SQ FT	50
	44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	268
	44000600	SIDEWALK REMOVAL	SQ FT	42
	44201771	CLASS D PATCHES, TYPE IV, 10 INCH	SQ YD	222
	50105220	PIPE CULVERT REMOVAL	FOOT	212
	60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1
	60240301	INLETS, TYPE B, TYPE 8 GRATE	EACH	5
	60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	969
	67100100	MOBILIZATION	LSUM	1
	70103815	TRAFFIC CONTROL SURVEILLANCE	CAL DA	10
	72000100	SIGN PANEL - TYPE 1	SQ FT	8
	72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	30
△	78001130	PAINT PAVEMENT MARKING - LINE 6"	FOOT	128
	X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	2
*	X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
*	XX006616	LANDSCAPE REMOVAL	EACH	4
*	Z0013798	CONSTRUCTION LAYOUT	LSUM	1
*	Z0056646	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 10"	FOOT	2
*	Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	770

△ SPECIALTY ITEMS

**DISTRICT 4 GENERAL NOTES (CONT.)**

2. ORDERING LENGTH CONFIRMATION - DRAINAGE ITEMS - THE CONTRACTOR SHALL CONSULT WITH THE ENGINEER IN REGARD TO THE EXACT LENGTH OF THE BOX/PIPE CULVERTS, STORM SEWERS, AND/OR PIPE DRAINS REQUIRED PRIOR TO ORDERING THESE ITEMS.
3. PLAN ELEVATIONS - ALL ELEVATIONS SHOWN REFER TO U.S.G.S. DATUM AT MEAN SEA LEVEL UNLESS OTHERWISE NOTED.
4. COMMITMENTS - COMMITMENTS ARE NOT TO BE ALTERED WITHOUT THE WRITTEN APPROVAL OF ALL PARTIES TO WHICH THE COMMITMENT WAS MADE.
5. PROPERTY OWNER ACCESS REQUIREMENTS - ACCESS MUST BE MAINTAINED TO ALL EXISTING PROPERTIES DURING CONSTRUCTION PER ARTICLE 107.09 UNLESS ARRANGEMENTS ARE MADE IN WRITING BY THE CONTRACTOR WITH THE PROPERTY OWNERS WITH A COPY TO THE ENGINEER FOR SHORT-TERM CLOSURES.

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**VILLAGE OF GERMANTOWN HILLS  
WOODFORD COUNTY, ILLINOIS**

**GENERAL NOTES AND SUMMARY OF QUANTITIES**

SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTÉ.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00008-01-SW	WOODFORD	16	2
CONTRACT NO.			89688	
ILLINOIS FED. AID PROJECT				

PROPOSED DRAINAGE PIPE QUANTITIES												
UPSTREAM			DOWNTREAM			LENGTH	SLOPE	DIAMETER	TYPE	TRENCH BACKFILL (CU YD.)		
STRUCTURE		INVERT	STRUCTURE		INVERT							
STATION	O/S			STATION		O/S						
22+50	26.5'	RT	774.15	23+70	27.0'	RT	771.37	117'	2.38%	12"	TYPE 1, WATER MAIN QUALITY	22.9
23+70	27.0'	RT	771.37	24+80	27.1'	RT	768.82	107'	2.38%	12"	TYPE 1, WATER MAIN QUALITY	20.8
24+80	27.1'	RT	768.82	25+90	28.5'	RT	766.27	107'	2.38%	12"	TYPE 1, WATER MAIN QUALITY	20.8
25+90	13.0'	RT	766.40	25+90	28.5'	RT	766.27	13'	1.00%	12"	TYPE 1, WATER MAIN QUALITY	2.5
25+90	28.5'	RT	766.27	28+00	26.4'	RT	764.84	207'	0.69%	12"	TYPE 1, WATER MAIN QUALITY	40.2
30+21.50	13.0'	RT	762.43	30+21.50	17.4'	RT	762.39	2'	2.00%	10"	TYPE 1, WATER MAIN QUALITY	0.4
28+00	26.4'	RT	764.84	30+21.50	17.4'	RT	762.39	219'	1.12%	12"	TYPE 1, WATER MAIN QUALITY	42.5

REMOVAL SCHEDULE					
STATION	OFFSET	DRIVEWAY PAVEMENT REMOVAL	SIDEWALK REMOVAL	PIPE CULVERT REMOVAL	LANDSCAPE REMOVAL
		44000200	44000600	50105220	XX006616
		SQ YD	SQ FT	FOOT	EACH
20+82	RT		42		
22+67.34	RT	37		26	
23+84.25	RT	34		36	
24+88	RT				1
25+00.59	RT	31		30	
25+12	RT				1
25+72	RT				1
26+11.28	RT	29		34	
26+77	RT				1
27+53.72	RT	43		28	
28+28.96	RT	52		30	
29+60.11	RT	42		28	
<b>TOTAL:</b>		<b>268</b>	<b>42</b>	<b>212</b>	<b>4</b>

INLET AND PIPE PROTECTION SCHEDULE			
STATION	OFFSET		EACH
22+50	26.5'	RT	1.0
23+70	27.0'	RT	1.0
24+80	27.1'	RT	1.0
25+90	13.5'	RT	1.0
25+90	28.5'	RT	1.0
28+00	28.9'	RT	1.0
30+21.5	17.4'	RT	1.0
30+21.5	13.5'	RT	1.0
<b>TOTAL:</b>			<b>8</b>

PAVEMENT MARKING SCHEDULE							
STATION	OFFSET		STATION	OFFSET		PAINT PAVEMENT MARKING - LINE 6"	
						78001130	FOOT
29+76.60	12'	RT	TO	29+76.60	15.1'	LT	27.1
29+84.60	12'	RT	TO	29+84.60	16.1'	LT	28.1
29+84.60	16.1'	LT	TO	30+24.70	16.1'	LT	40.1
29+85.72	22.1'	LT	TO	30+18.70	22.1'	LT	33.0
<b>TOTAL:</b>							<b>128</b>

PROPOSED QUANTITIES SCHEDULE								
STATION	OFFSET		STATION	OFFSET	PCC SIDEWALK, 4 INCH	DETECTABLE WARNINGS	CLASS D PATCH, TYPE IV, 10"	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
					42400100	42400800	44201771	60604400
					SQ FT	SQ FT	SQ YD	FOOT
20+70.64	45.3'	RT	TO	30+24.67	12.0'	RT	222.0	969.0
20+85.10	25.4'	RT	TO	22+57.34	16.1'	RT	864.8	10.0
22+77.34	16.1'	RT	TO	23+74.25	16.1'	RT	484.6	
23+94.25	16.1'	RT	TO	24+90.59	16.1'	RT	481.7	
25+10.59	16.1'	RT	TO	26+01.28	16.1'	RT	453.5	
26+21.28	16.1'	RT	TO	27+43.72	16.1'	RT	612.2	
27+63.72	16.1'	RT	TO	28+18.96	16.1'	RT	276.2	
28+38.96	16.1'	RT	TO	29+50.11	16.1'	RT	555.8	
29+70.11	16.1'	RT	TO	29+83.11	16.1'	RT	75.0	10.0
29+76.56	15.1'	LT	TO	29+84.55	22.1'	LT	35.6	19.8
30+19.02	21.7'	LT	TO	30+28.66	16.7'	LT	33.5	10.0
<b>TOTAL:</b>					<b>3873</b>	<b>50</b>	<b>222</b>	<b>969</b>

PROPOSED DRAINAGE STRUCTURE SCHEDULE					
STATION	O/S	PAY ITEM DESCRIPTION	RIM ELEV.	STRUCTURE INVERT ELEV.	FLAT SLAB TOP
22+50	26.5' RT	INLETS TB T8G	776.15	774.15	YES
23+70	27.0' RT	INLETS TB T8G	773.90	771.37	YES
24+80	27.1' RT	INLETS TB T8G	771.38	768.82	YES
25+90	13.0' RT	INLETS TA T3V F&G	770.78	766.40	NO
25+90	28.5' RT	INLETS TB T8G	769.27	766.27	YES
28+00	26.4' RT	INLETS TB T8G	768.14	764.84	YES
30+21.50	13.0' RT	INLETS TA T3V F&G	764.20	762.43	NO
30+21.50	17.4' RT	INLETS TB T1F CL	765.39	762.39	YES

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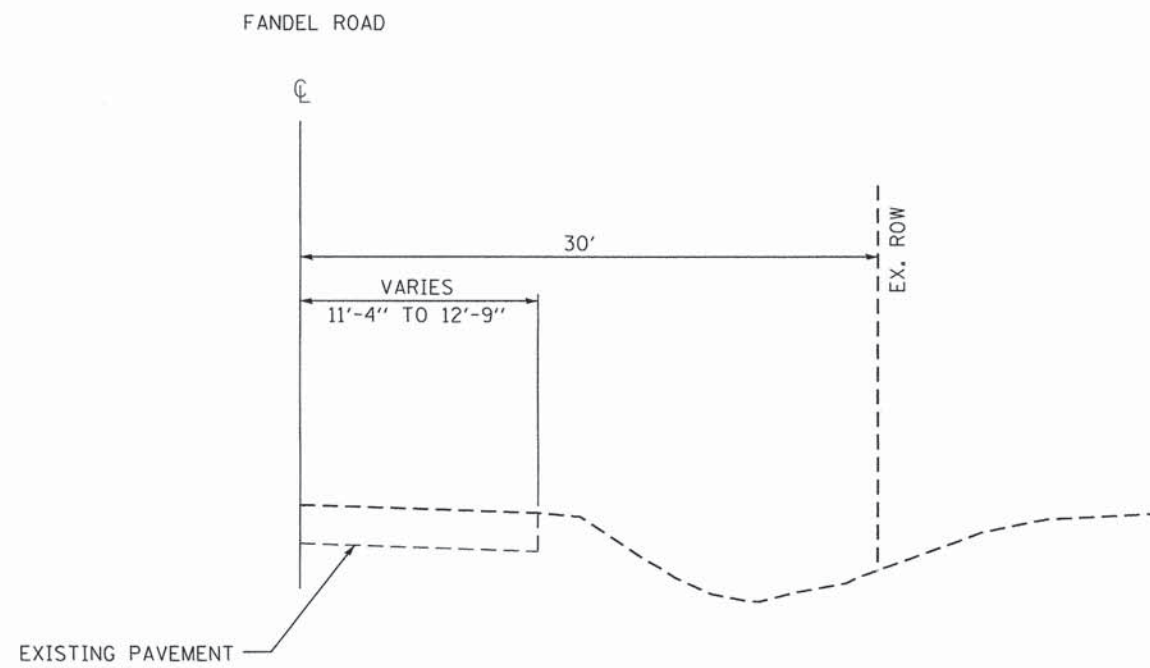
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VILLAGE OF GERMANTOWN HILLS  
WOODFORD COUNTY, ILLINOIS

SCHEDULE OF QUANTITIES

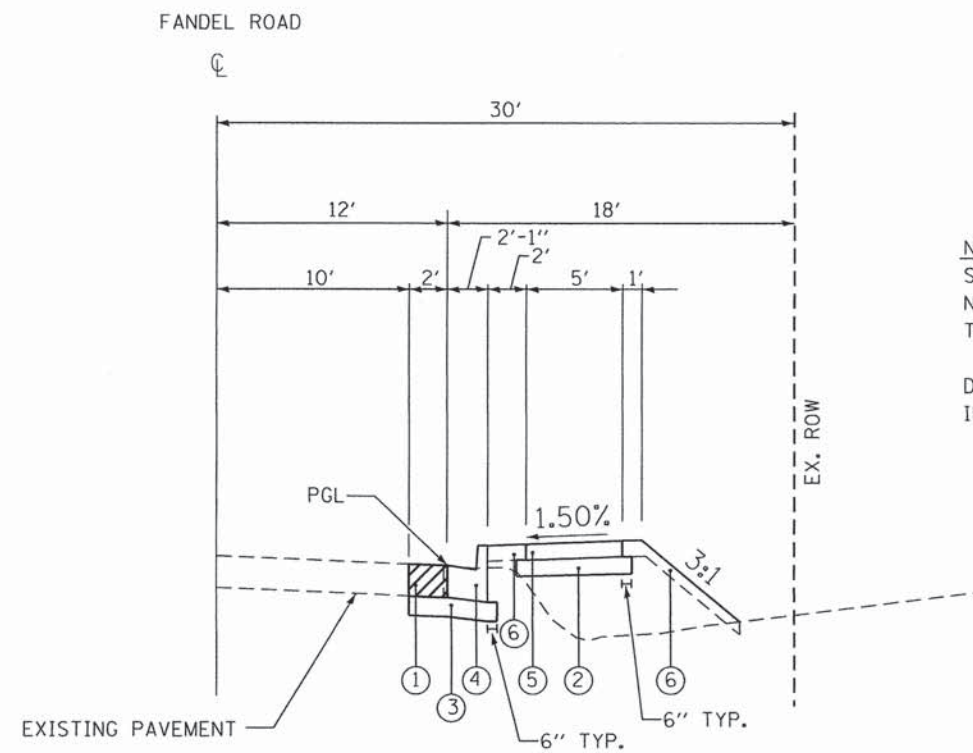
SCALE: SHEET 1 OF 1 SHEETS STA. TO STA.

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00008-01-SW	WOODFORD	16	3
ILLINOIS FED. AID PROJECT			CONTRACT NO. 89688	



**EXISTING TYPICAL SECTION**

STA. 21+14.10 TO STA. 30+24.67



**NOTES:**  
 SIDEWALKS INSTALLED AT A SLOPE GREATER THAN 2.00% OR OTHERWISE NOT MEETING ADA AND PROWAG REQUIREMENTS SHALL BE REMOVED AT THE CONTRACTOR'S EXPENSE.

DISTURBED AREAS BEHIND THE CURB SHALL BE SODDED AND FERTILIZED IN ACCORDANCE WITH THE STANDARD SPECIFICATIONS.

**LEGEND**

- ① PROPOSED CLASS D PATCH, TYPE IV, 10"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 4"
- ③ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 6"
- ④ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.18
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK, 4"
- ⑥ PROPOSED SODDING

**PROPOSED TYPICAL SECTION**

STA. 21+14.10 TO STA. 30+24.67

DIRECTORY \* USER NAME \* Robert Mar-Kunas



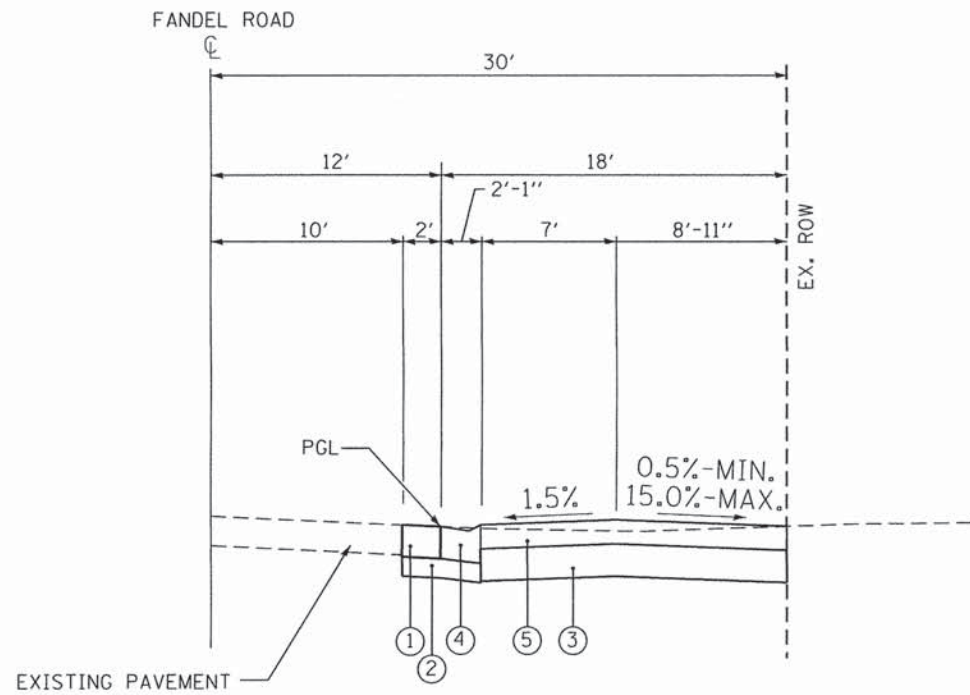
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**VILLAGE OF GERMANTOWN HILLS  
 WOODFORD COUNTY, ILLINOIS**

**FANDEL ROAD SIDEWALK  
 TYPICAL SECTIONS**

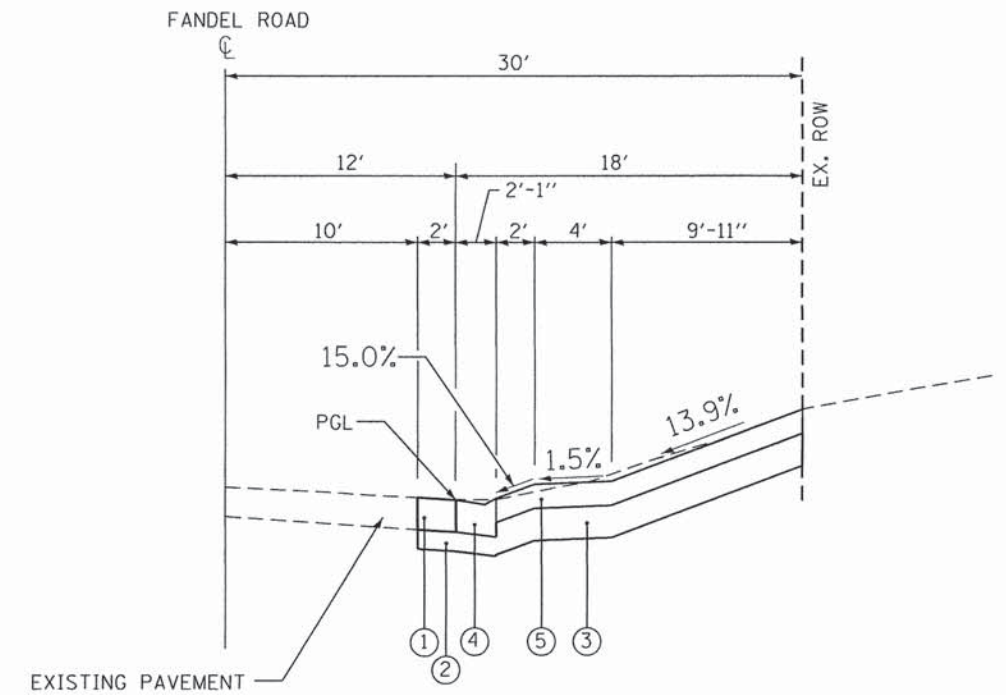
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00008-01-SW	WOODFORD	16	4
CONTRACT NO.			89688	
ILLINOIS FED. AID PROJECT				



**TYPICAL SECTION – PRIVATE ENTRANCE**

STA. 22+67.34  
 STA. 23+84.25  
 STA. 25+00.59  
 STA. 27+53.72  
 STA. 28+28.96

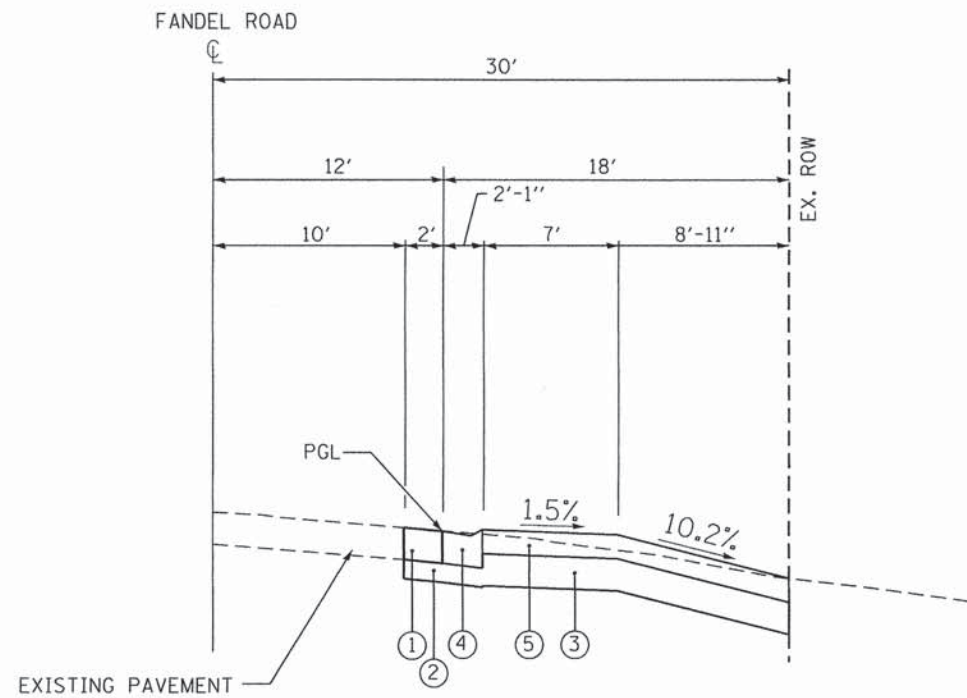


**TYPICAL SECTION – PRIVATE ENTRANCE**

STA. 29+60.11

**LEGEND**

- ① PROPOSED CLASS D PATCH, TYPE IV, 10"
- ② PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 6"
- ③ PROPOSED SUBBASE GRANULAR MATERIAL, TYPE A, 8"
- ④ PROPOSED CONCRETE CURB AND GUTTER, TYPE B-6.18 (DEPRESSED)
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6"



**TYPICAL SECTION – PRIVATE ENTRANCE**

STA. 26+11.28

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**VILLAGE OF GERMANTOWN HILLS  
 WOODFORD COUNTY, ILLINOIS**

**FANDEL ROAD SIDEWALK  
 TYPICAL SECTIONS**

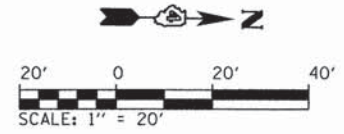
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F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00008-01-SW	WOODFORD	16	5
CONTRACT NO.			89688	
ILLINOIS FED. AID PROJECT				

NOTE: ALL EXISTING MAILBOXES WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND REINSTALLED AS DIRECTED BY THE ENGINEER.

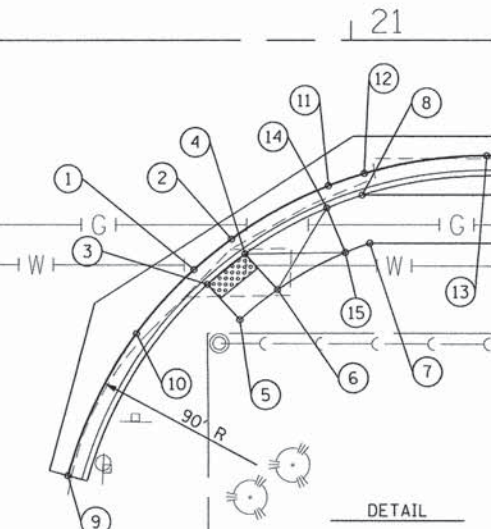
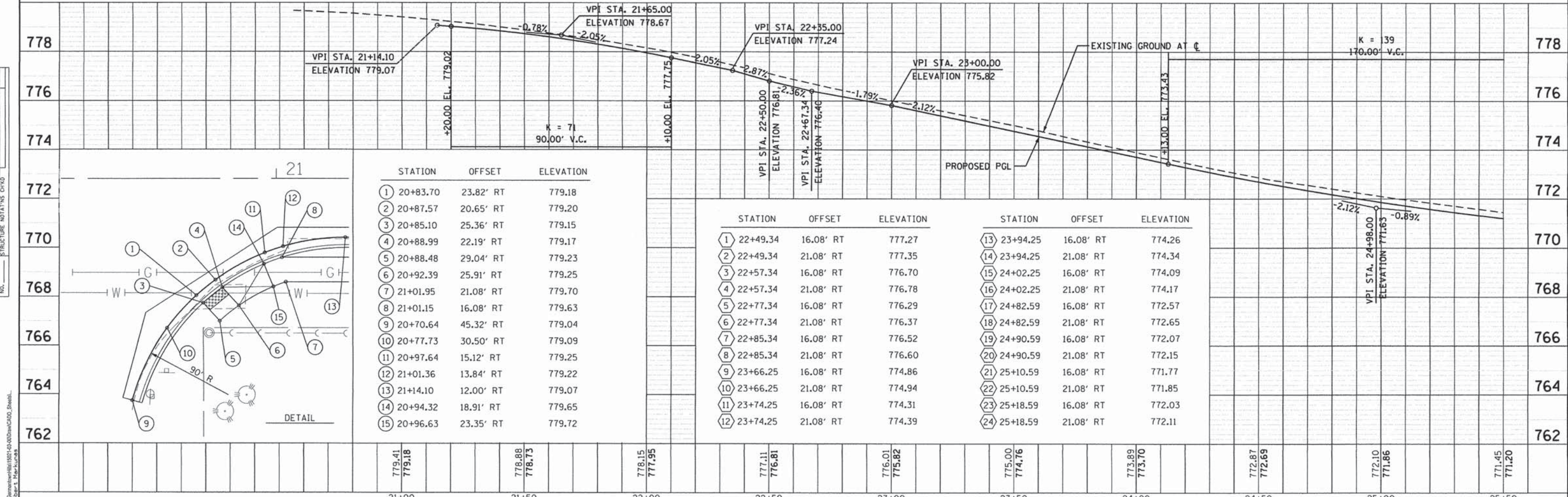
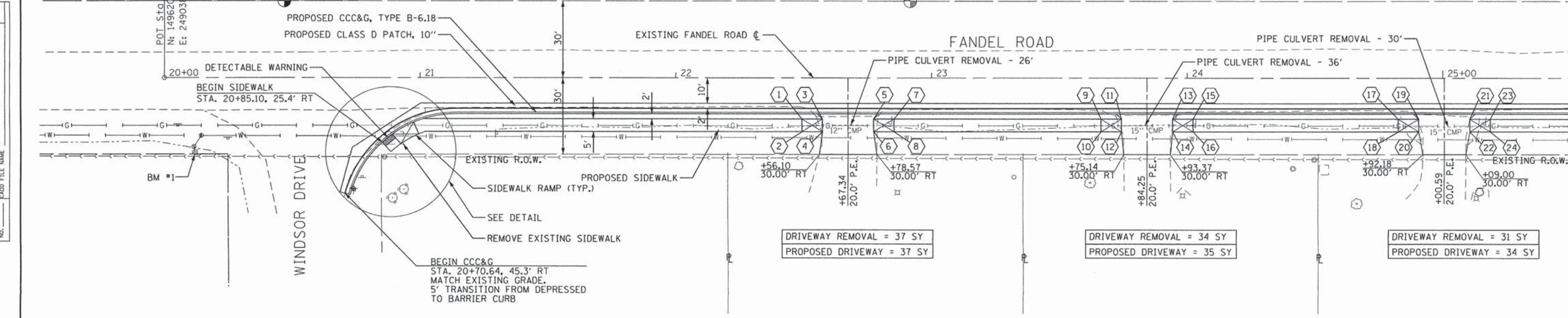
CONTROL POINTS  
 #1 N: 1496255.71 #2 N: 1496500.42  
 E: 2490353.94 E: 2490349.50  
 STA. 20+46.90 STA. 22+91.66  
 O/S: 30.00' LT O/S: 30.00' LT

BENCHMARKS  
 #1 NW BOLT ON FIRE HYDRANT IN SE QUADRANT OF FANDEL ROAD & WINDSOR DRIVE. ELEV. 780.45



PLAN	SURVEYED	DATE
	ALIGNED	BY
	NOTED	
	CHECKED	
	RT. OF WAY	
	NO.	
	FILE NAME	

PROFILE	SURVEYED	DATE
	GRADES	BY
	NOTED	
	CHECKED	
	STRUCTURE	
	NOTATIONS	
	CHFD	
	NO.	



PLAN	SURVEYED	DATE
	NOTED	BY
	ALIGNED	
	RT. OF WAY CHECKED	
	NO. _____	
	FILE NAME	

PROFILE	SURVEYED	DATE
	NOTED	BY
	GRADES CHECKED	
	B.M. NOTED	
	STRUCTURE NOTATIONS CH'VD	
	NO. _____	

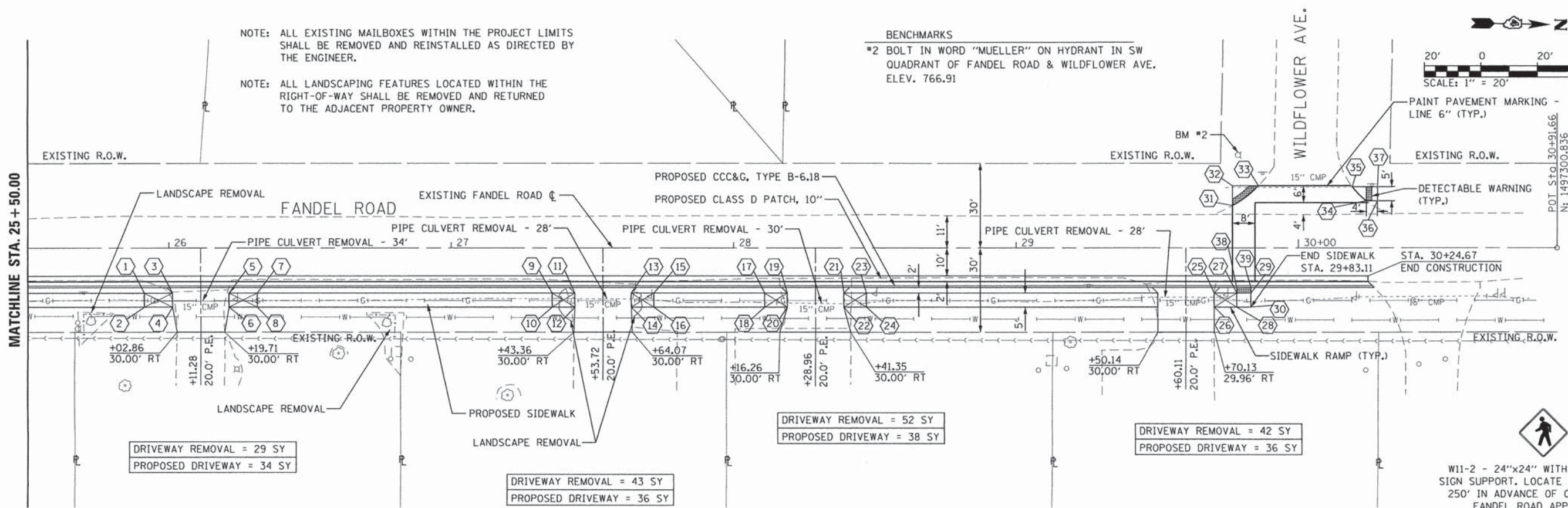
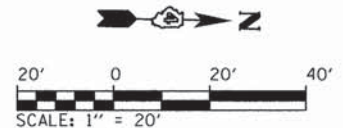
DIRECTORY  
USER NAME = Robb, R. M. Kuroki  
License No. 184-000613

NOTE: ALL EXISTING MAILBOXES WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND REINSTALLED AS DIRECTED BY THE ENGINEER.

NOTE: ALL LANDSCAPING FEATURES LOCATED WITHIN THE RIGHT-OF-WAY SHALL BE REMOVED AND RETURNED TO THE ADJACENT PROPERTY OWNER.

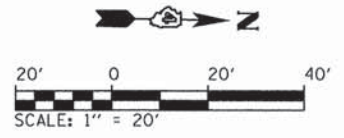
**BENCHMARKS**

#2 BOLT IN WORD "MUELLER" ON HYDRANT IN SW QUADRANT OF FANDEL ROAD & WILDFLOWER AVE.  
ELEV. 766.91



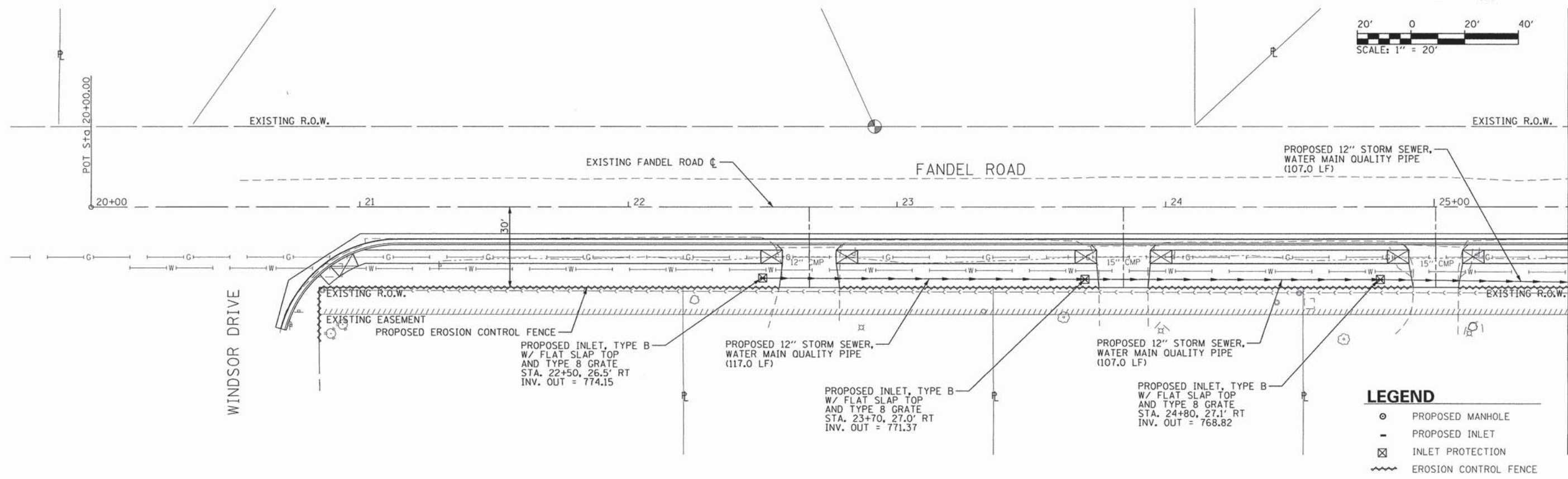
STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION	STATION	OFFSET	ELEVATION	
778	① 25+91.28	16.08' RT	771.21	⑮ 27+71.72	16.08' RT	769.42	⑳ 29+83.11	16.08' RT	764.95
	② 25+91.28	21.08' RT	771.28	⑯ 27+71.72	21.08' RT	769.50	㉑ 29+83.11	21.08' RT	765.03
	③ 26+01.28	16.08' RT	770.56	⑰ 28+10.96	16.08' RT	768.83	㉒ 29+76.56	15.06' LT (EX.)	764.96 (EX.)
	④ 26+01.28	21.08' RT	770.48	⑱ 28+10.96	21.08' RT	768.91	㉓ 29+76.56	22.06' LT	764.84
	⑤ 26+21.28	16.08' RT	770.40	⑲ 28+18.96	16.08' RT	768.33	㉔ 29+85.73 (EX.)	22.06' LT	764.76 (EX.)
	⑥ 26+21.28	21.08' RT	770.33	⑳ 28+18.96	21.08' RT	768.41	㉕ 30+23.98	16.73' LT (EX.)	764.09 (EX.)
	⑦ 26+31.28	16.08' RT	770.88	㉑ 28+38.96	16.08' RT	768.01	㉖ 30+19.02	21.73' LT (EX.)	764.06 (EX.)
	⑧ 26+31.28	21.08' RT	770.96	㉒ 28+38.96	21.08' RT	768.09	㉗ 30+27.98	16.74' LT	764.02
	⑨ 27+35.72	16.08' RT	769.89	㉓ 28+46.96	16.08' RT	768.23	㉘ 30+27.97	21.74' LT	763.98
	⑩ 27+35.72	21.08' RT	769.97	㉔ 28+46.96	21.08' RT	768.31	㉙ 29+78.11	14.08' RT	765.02
	⑪ 27+43.72	16.08' RT	769.44	㉕ 29+70.11	16.08' RT	765.42	㉚ 29+83.11	14.08' RT	764.92
	⑫ 27+43.72	21.08' RT	769.52	㉖ 29+70.11	21.08' RT	765.50			
	⑬ 27+63.72	16.08' RT	769.16	㉗ 29+78.11	16.08' RT	765.05			
	⑭ 27+63.72	21.08' RT	769.24	㉘ 29+78.11	21.08' RT	765.13			

		DESIGNED - RMM DRAWN - AWH CHECKED - EJH DATE - MARCH 2016	REVISED - REVISED - REVISED - REVISED -	<b>VILLAGE OF GERMANTOWN HILLS WOODFORD COUNTY, ILLINOIS</b>		<b>FANDEL ROAD SIDEWALK PLAN AND PROFILE</b>		F.A.U. RTE. SECTION 14-00008-01-SW COUNTY WOODFORD TOTAL SHEETS 16 SHEET NO. 7 CONTRACT NO. 89688
SCALE: 1" = 20"		SHEET 2 OF 2 SHEETS		STA. TO STA.		ILLINOIS FED. AID PROJECT		



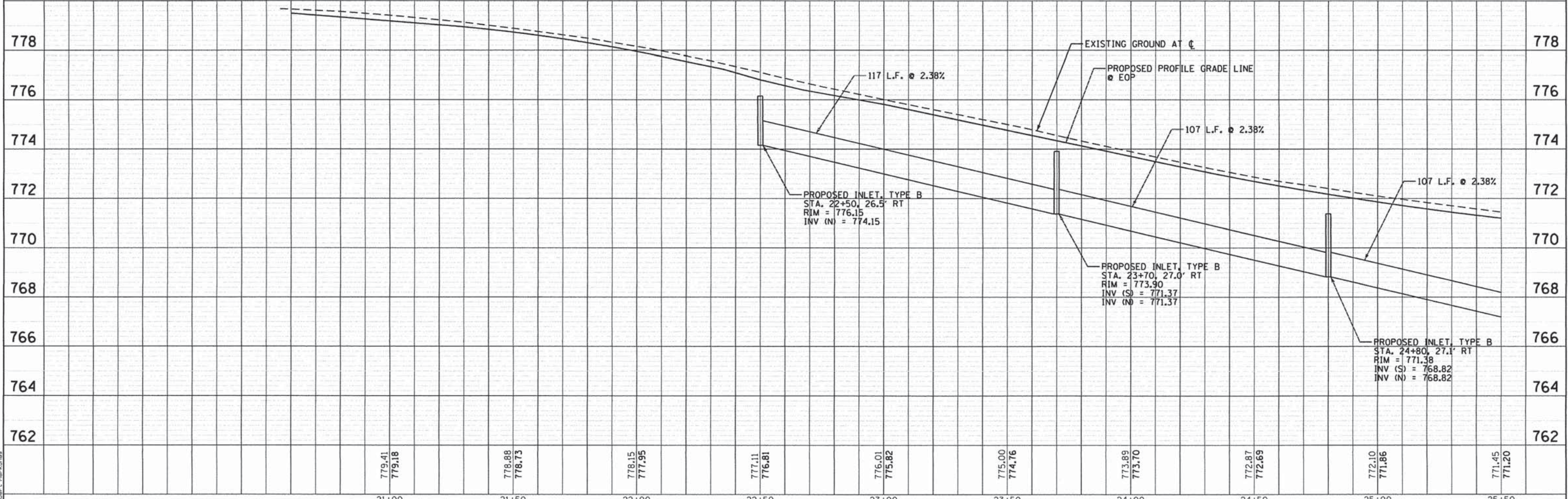
DATE	
BY	
SURVEYED	
ALIGNED CHECKED	
RTI OF WAY CHECKED	
NO. OF WAY CHECKED	
NO. FILE NAME	
PLAN	
NOTE BOOK	
NO.	

DATE	
BY	
SURVEYED	
GRADES CHECKED	
B.M. NOTED	
STRUCTURE NOTATIONS	
CPFD	
PROFILE	
NOTE BOOK	
NO.	



**LEGEND**

- PROPOSED MANHOLE
- PROPOSED INLET
- ⊗ INLET PROTECTION
- ~ EROSION CONTROL FENCE



DIRECTORY  
 USER NAME: L:\gms\msh\1501-00-00\msh\000\000\_Sheet1.dwg  
 1: Robb's, Mar-2016



MODEL NAME = Sheet  
 FILE NAME = Fandel\_DrainagePip.dwg  
 PLOT SCALE = 20.0000' / 1" = 20'  
 PLOT DATE = 3/1/2016 9:07:21 AM

DESIGNED - RMM  
 DRAWN - AWH  
 CHECKED - EJH  
 DATE - MARCH 2016

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

**VILLAGE OF GERMANTOWN HILLS  
WOODFORD COUNTY, ILLINOIS**

**FANDEL ROAD SIDEWALK  
DRAINAGE PLAN AND PROFILE**

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

F.A.U. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00008-01-SW	WOODFORD	16	8
			CONTRACT NO. 89688	
ILLINOIS FED. AID PROJECT				

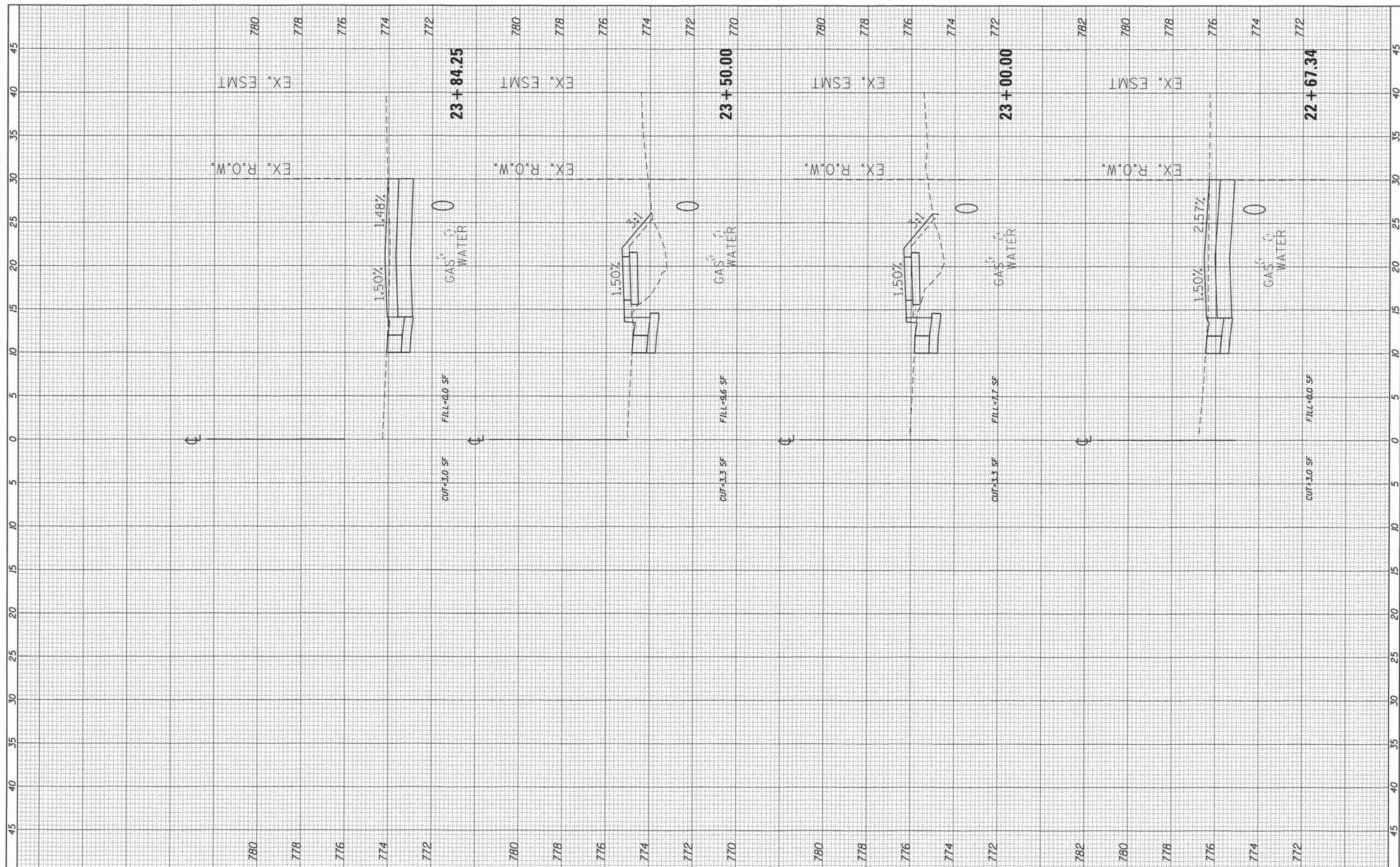






FINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		

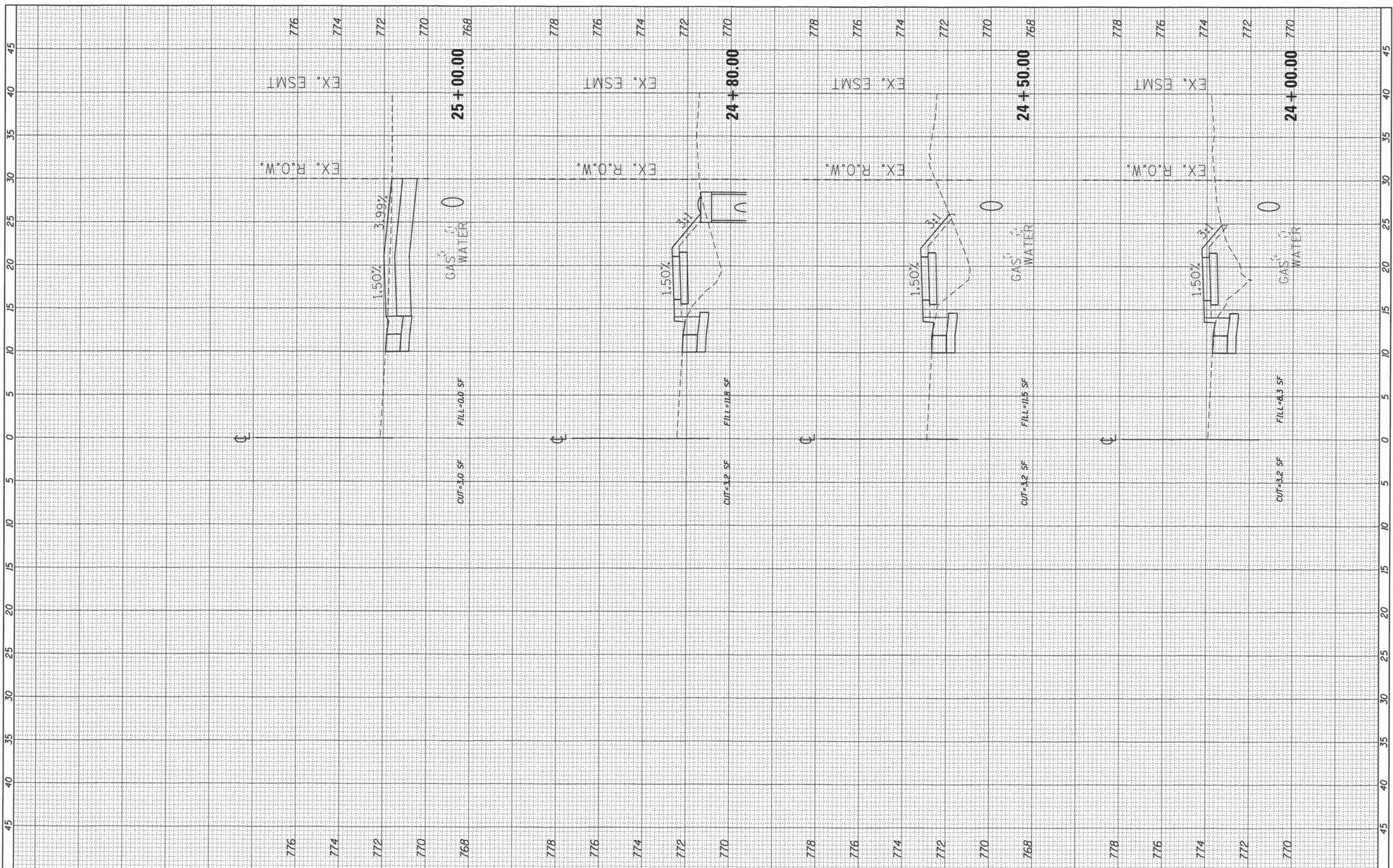
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = Robert Markunas	DESIGNED - RMM	REVISED -	<b>VILLAGE OF GERMANTOWN HILLS WOODFORD COUNTY, ILLINOIS</b>	<b>FANDEL ROAD SIDEWALK CROSS SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\GermantownHills\15021-03-00\Draw\CADD_Sheets\X-Sections.dgn		DRAWN - RMM	REVISED -		14-00008-01-SW	WOODFORD	16	11				
Default	PLOT SCALE = 5.0000' / in.	CHECKED - EJJ	REVISED -		SCALE: SHEET 2 OF 7 SHEETS STA. 22+67.34 TO STA. 23+84.25			CONTRACT NO. 89688				
	PLOT DATE = 3/1/2016 8:53:15 AM	DATE - MARCH 2016	REVISED -		ILLINOIS FED. AID PROJECT							

FINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	

ORIGINAL SURVEY	DATE
SURVEYED	
PLOTTED	
NOTE BOOK	
NO.	
AREAS CHECKED	



FILE NAME = L:\GermantownHills\15021-03-00\Draw\CADD\_Sheets\X-Sections.dgn  
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USER NAME = Robert Markunas  
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 PLOT DATE = 3/1/2016 8:55:58 AM

DESIGNED - RMM  
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 CHECKED - EJH  
 DATE - MARCH 2016

REVISED -  
 REVISED -  
 REVISED -  
 REVISED -

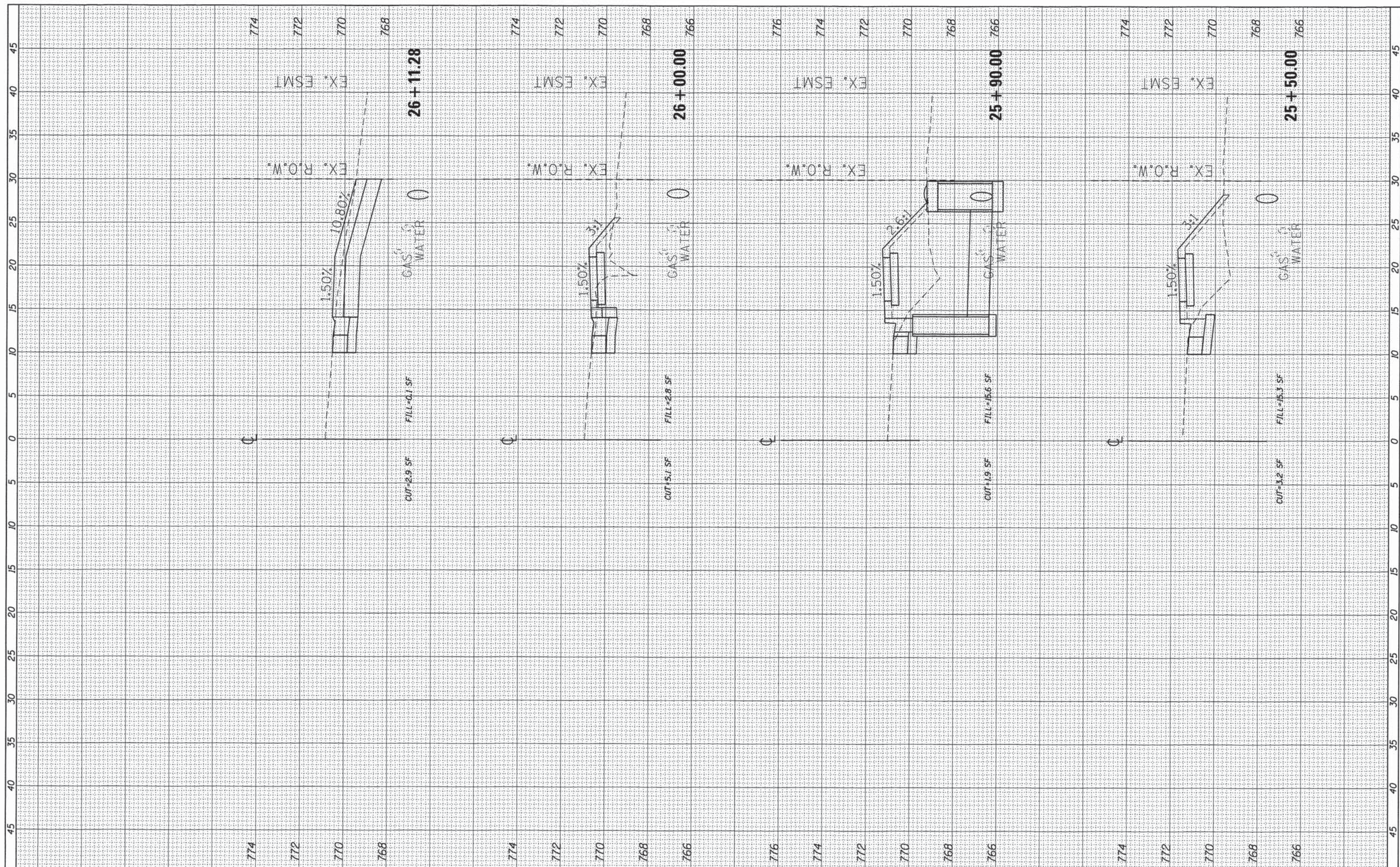
**VILLAGE OF GERMANTOWN HILLS  
 WOODFORD COUNTY, ILLINOIS**

**FANDEL ROAD SIDEWALK  
 CROSS SECTIONS**  
 SCALE: SHEET 3 OF 7 SHEETS STA. 24+00.00 TO STA. 25+00.59

F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
	14-00008-01-SW	WOODFORD	16	12
			CONTRACT NO. 89688	
ILLINOIS FED. AID PROJECT				

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

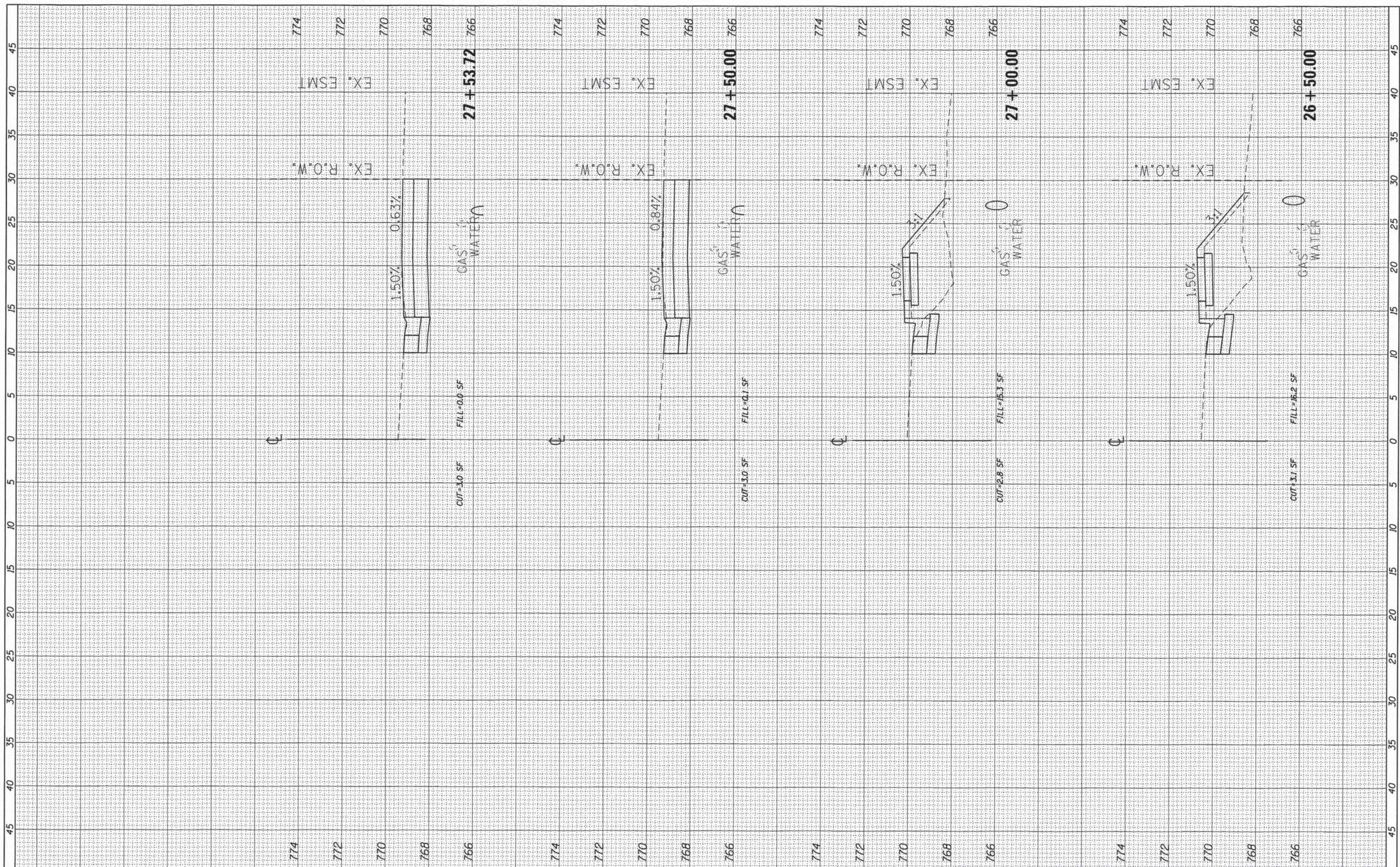
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NOTE BOOK	PLOTTED	
NO.	TEMPLATE	
	AREAS	
	CHECKED	



FILE NAME =	USER NAME = Robert Markunas	DESIGNED - RMM	REVISED -	<b>VILLAGE OF GERMANTOWN HILLS</b> <b>WOODFORD COUNTY, ILLINOIS</b>	<b>FANDEL ROAD SIDEWALK</b> <b>CROSS SECTIONS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\GermantownHills\15021-03-00\Draw\CADD_Sheets\X-Sections.dgn		DRAWN - RMM	REVISED -		14-00008-01-SW	WOODFORD	16	13			
Default	PLOT SCALE = 5.0000' / 1"	CHECKED - E.J.H.	REVISED -		SCALE: SHEET 4 OF 7 SHEETS STA. 25+50.00 TO STA. 26+11.28		CONTRACT NO. 89688				
	PLOT DATE = 3/1/2016 8:56:47 AM	DATE - MARCH 2016	REVISED -		ILLINOIS FED. AID PROJECT						

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

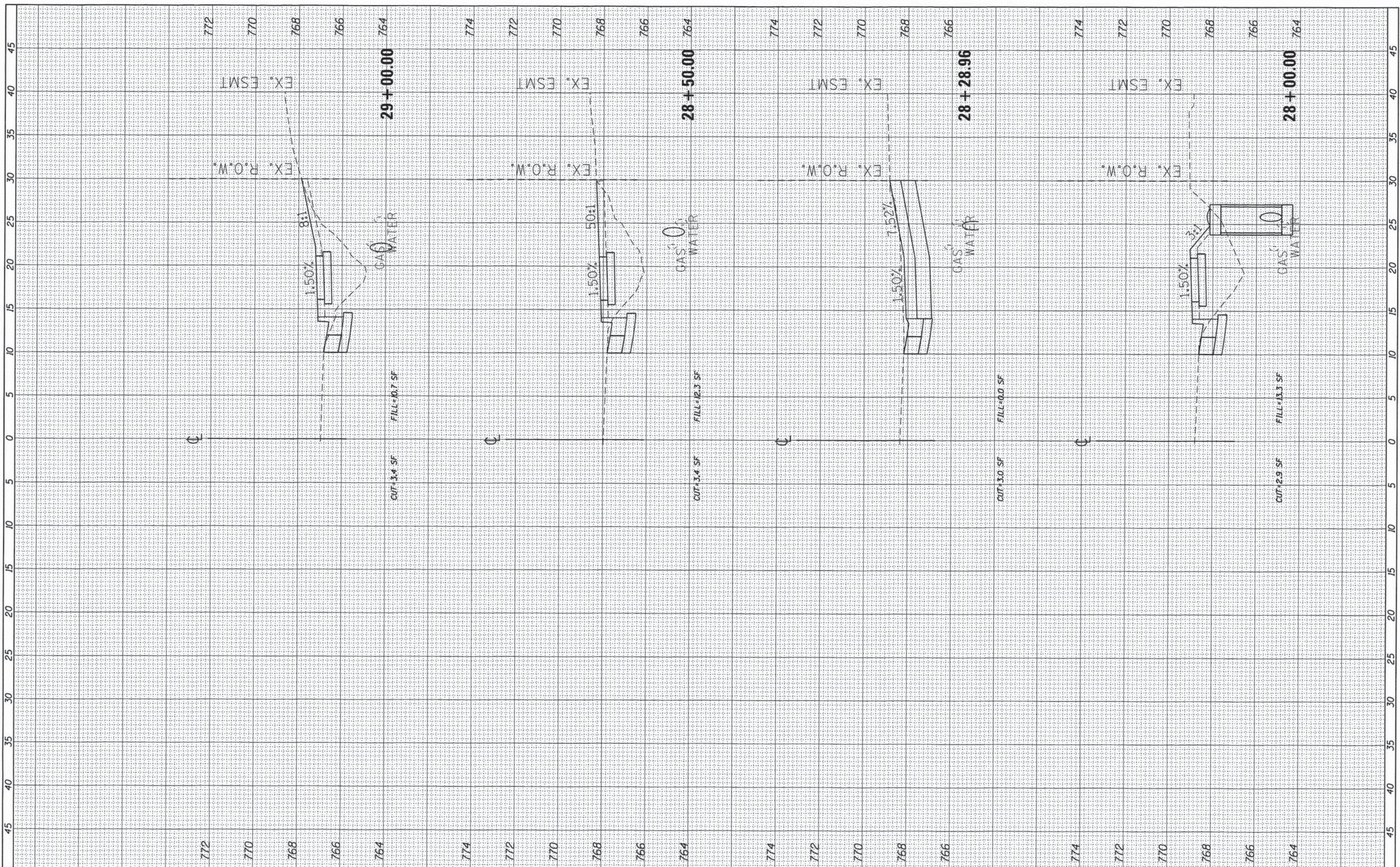
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NOTE BOOK NO.	PLOTTED		
	TEMPLATE		
	AREAS CHECKED		



FILE NAME =	USER NAME = Robert Markunas	DESIGNED - RMM	REVISED -	<b>VILLAGE OF GERMANTOWN HILLS</b> <b>WOODFORD COUNTY, ILLINOIS</b>	<b>FANDEL ROAD SIDEWALK</b> <b>CROSS SECTIONS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\GermantownHills\15021-03-00\Draw\CADD_Sheets\X-Sections.dgn	PLOT SCALE = 5.0000' / 1"	DRAWN - RMM	REVISED -		14-00008-01-SW	WOODFORD	16	14			
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		DATE - MARCH 2016	REVISED -					ILLINOIS FED. AID PROJECT			

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

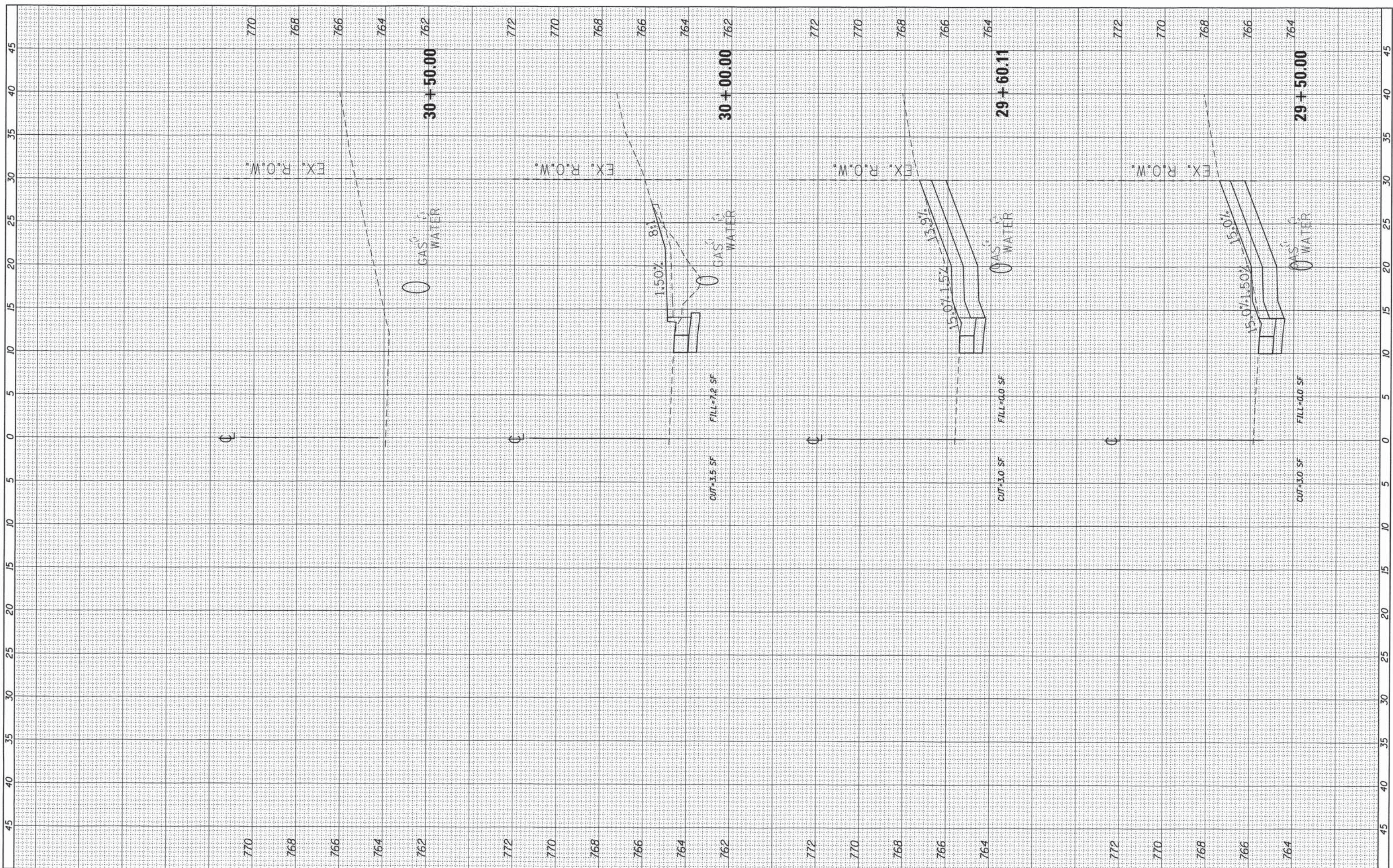
ORIGINAL SURVEY	SURVEYED	BY	DATE
NOTE BOOK	PLOTTED		
NO.	TEMPLATE		
	AREAS CHECKED		



FILE NAME = L:\GermantownHills\15021-03-00\Draw\CADD_Sheets\X-Sections.dgn	USER NAME = Robert Markunas	DESIGNED - RMM	REVISED -	<b>VILLAGE OF GERMANTOWN HILLS</b> <b>WOODFORD COUNTY, ILLINOIS</b>	<b>FANDEL ROAD SIDEWALK</b> <b>CROSS SECTIONS</b>			F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
Default		DRAWN - RMM	REVISED -		14-00008-01-SW	WOODFORD	16	15				
		CHECKED - EJH	REVISED -		SCALE:	SHEET 6	OF 7 SHEETS	STA. 28+00.00 TO STA. 29+00.00	CONTRACT NO. 89688			
		DATE - MARCH 2016	REVISED -		ILLINOIS FED. AID PROJECT							

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

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



FILE NAME =	USER NAME = Robert Markunas	DESIGNED - RMM	REVISED -	<b>VILLAGE OF GERMANTOWN HILLS</b> <b>WOODFORD COUNTY, ILLINOIS</b>	<b>FANDEL ROAD SIDEWALK</b> <b>CROSS SECTIONS</b>		F.A. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
L:\GermantownHills\15021-03-00\Draw\CADD_Sheets\X-Sections.dgn		DRAWN - RMM	REVISED -		14-00008-01-SW	WOODFORD	16	16			
Default	PLOT SCALE = 5.0000' / 1"	CHECKED - E.JH	REVISED -		SCALE: SHEET 7 OF 7 SHEETS STA. 29+50.00 TO STA. 30+50.00		CONTRACT NO. 89688				
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