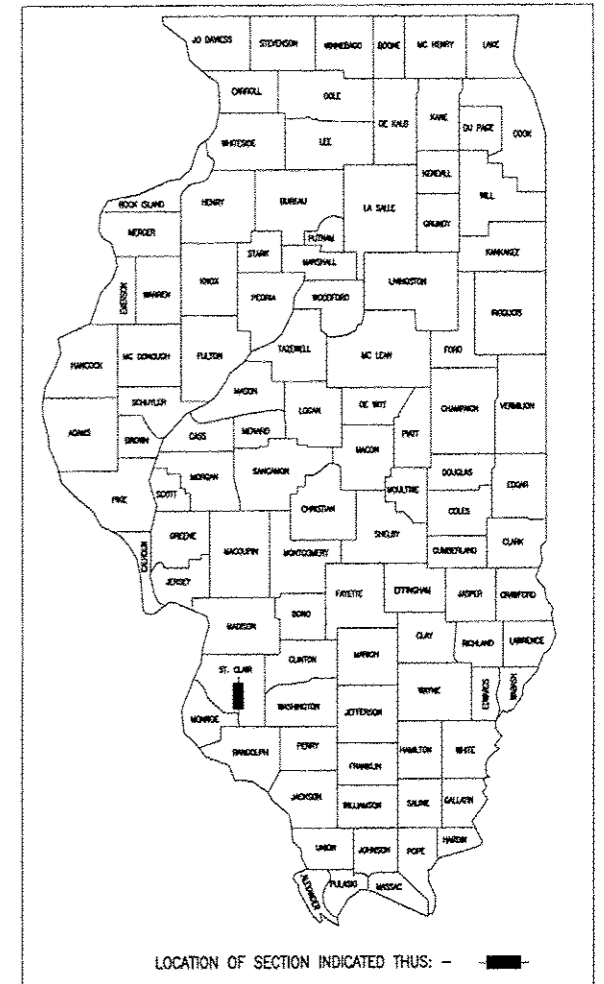


# STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION DIVISION OF HIGHWAYS PLANS FOR PROPOSED SEVEN HILLS ROAD SIDEWALK EXTENSION

F.A.U. ROUTE 9172  
CITY OF O'FALLON  
ST CLAIR COUNTY  
SECTION 15-00036-04-SW  
PROJECT NO. TE-00D8(211)  
JOB NO. C-98-310-15

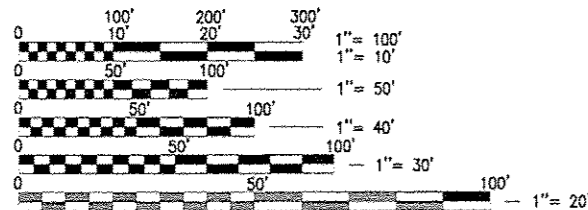
ROUTE NO	SECTION	COUNTY	SHEET NO.	TOTAL SHEETS
F.A.U. 9172	15-00036-04-SW	ST CLAIR	1	19
FEDERAL AID PROJECT				
CONTRACT NO. 97630				



**UTILITIES**

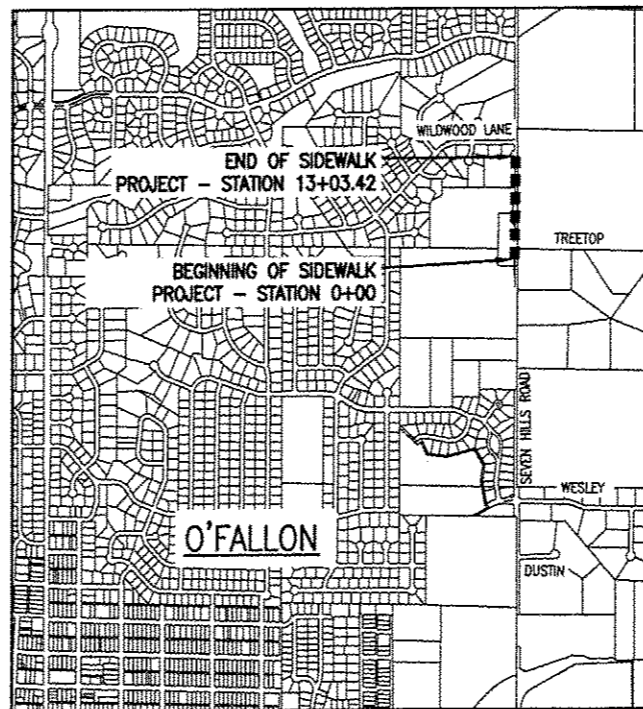
- |                                                             |                                                |                                                          |
|-------------------------------------------------------------|------------------------------------------------|----------------------------------------------------------|
| <b>SANITARY SEWER</b><br>CITY OF O'FALLON<br>(618) 624-4500 | <b>ELECTRIC</b><br>AMEREN IP<br>(618) 236-4309 | <b>TELEPHONE</b><br>AT&T<br>(618) 346-6400               |
| <b>WATER</b><br>CITY OF O'FALLON<br>(618) 624-4500          | <b>GAS</b><br>AMEREN IP<br>(618) 236-4309      | <b>CABLE</b><br>CHARTER COMMUNICATIONS<br>(618) 474-5205 |

PLAN 1" = 20'  
PROFILE HORIZ. 1" = 20'  
PROFILE VERT. 1" = 5'  
CROSS SECTIONS 1" = 5' HORIZ.  
1" = 2' VERT.



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.

F.A.U. ROUTE 9172 DESIGN DESIGNATION  
ROADWAY CLASSIFICATION = MAJOR COLLECTOR  
CURRENT TRAFFIC (ADT) = 2,100



**LOCATION MAP**  
N.T.S.

NET LENGTH PROJECT = 1323.01' (0.25 MILES)



APPROVED 7-11 20 16  
*Gay L. Graham*  
LOCAL AGENCY OFFICIAL

PASSED 7/15 20 16  
*[Signature]*  
DISTRICT EIGHT ENGINEER OF LOCAL ROADS & STREETS

Released For Bid Based on Limited Review 7/15 20 16  
*[Signature]*  
REGION FIVE ENGINEER

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

*[Signature]* 7/11/16  
NICHOLAS T. SMOCK P.E. NO. 62-062231 DATE  
EXPIRES: NOVEMBER 30, 2017



THOUVENOT, WADE & MOERCHEN, INC.

P:\150095\150095-Cover Sheet.dwg 7/11/2016 11:01am



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ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	HC 001528
MISSOURI LAND SURVEYING CORP.	HC 000346

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Expiration Date: \_\_\_\_\_

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**GENERAL NOTES**

- ANY FACILITIES OR APPURTENANCES WHICH ARE THE PROPERTY OF ANY PUBLIC UTILITY LOCATED WITHIN THE LIMITS OF CONSTRUCTION SHALL BE RELOCATED OR ADJUSTED BY THEIR RESPECTIVE OWNERS. THE CONTRACTOR SHALL NOTIFY AND COOPERATE WITH THE OWNERS OF ANY SUCH FACILITY IN THEIR REMOVAL AND REARRANGE HIS OPERATIONS IN ORDER THAT THE UTILITY'S OPERATIONS AND THE CONSTRUCTION OF THIS PROJECT MAY PROGRESS IN A REASONABLE MANNER.
- THE TYPE, SIZE, AND LOCATION OF UTILITIES AS DELINEATED IN THESE TOPOGRAPHIC LAND SURVEY DOCUMENTS AND/OR CIVIL ENGINEERING DESIGN DOCUMENTS HAVE BEEN DETERMINED BY REVIEW OF AVAILABLE EXISTING "AS-BUILT" OR RECORD DRAWINGS; FIELD SURVEY OF J.U.L.L.E. MARKED UTILITIES; OR FIELD SURVEY OF ABOVE GROUND SURFACE UTILITY FEATURES. THE OWNER AND ENGINEER HAVE NOT UNDERTAKEN SUBSURFACE EXPLORATORY INVESTIGATIONS TO CONFIRM OR VERIFY THE UTILITIES SHOWN ON THESE DOCUMENTS, THEREFORE THEIR EXACT LOCATION, SIZE AND FUNCTION MUST BE CONSIDERED APPROXIMATE AND MUST BE FIELD CONFIRMED BY THE CONTRACTOR.
- THE ENGINEER AND OWNER FURTHER DO NOT WARRANT THAT ALL UTILITIES HAVE BEEN ILLUSTRATED ON THESE DOCUMENTS. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR CONTACTING J.U.L.L.E. FOR FIELD VERIFICATION OF ALL UTILITIES ON THE SITE PRIOR TO COMMENCEMENT OF CONSTRUCTION. IF THE CONTRACTOR DETERMINES THAT SUBSTANTIAL DISCREPANCY EXISTS BETWEEN FIELD VERIFIED UTILITIES AND THESE PLANS WHICH WOULD SIGNIFICANTLY AFFECT THE FUNCTION, COST, OR PERFORMANCE OF THE PROJECT, THE CONTRACTOR SHALL IMMEDIATELY CONTACT THE ENGINEER FOR CLARIFICATION AND PROJECT DIRECTION.
- THE CONTRACTOR SHALL CONFINE HIS OPERATIONS TO THE AREA LOCATED WITHIN THE CONSTRUCTION LIMIT LINES, AS SHOWN ON PLANS. ANY AREA DISTURBED BEYOND THESE LIMITS SHALL BE RESTORED TO ITS ORIGINAL CONDITION AT THE CONTRACTOR'S EXPENSE.
- THE CONTRACTOR SHALL REMOVE, MAINTAIN IN A TEMPORARY LOCATION AND PERMANENTLY RESET ALL MAILBOXES AND TRAFFIC SIGNS WHICH INTERFERE WITH CONSTRUCTION OPERATIONS IN ACCORDANCE WITH ARTICLES 107.20 AND 107.25 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION". THE CONTRACTOR MUST NOTIFY THE POST OFFICE AND ALL PROPERTY OWNERS OF THE TEMPORARY LOCATION OF ALL MAILBOXES. ANY DAMAGE WHICH OCCURS TO THE ABOVE MENTIONED ITEMS SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- TREES SHALL BE SAVED WHERE POSSIBLE. THE ENGINEER IN THE FIELD WILL VERIFY AND MARK ALL TREES REQUIRED TO BE REMOVED. SHOULD THE ENGINEER'S DECISION INCREASE OR DECREASE THE QUANTITIES OF WORK TO BE PERFORMED FROM THE PLANS, THE CONTRACTOR SHALL ACCEPT PAYMENT AS STATED IN ARTICLE 104.03 OF THE STANDARD SPECIFICATIONS. TREES OUTSIDE THE LIMITS OF CONSTRUCTION SHALL NOT BE DISTURBED UNLESS DESIGNATED BY THE ENGINEER.
- THE SAW CUTTING OF EXISTING PAVEMENT NECESSARY FOR ITS REMOVAL SHALL BE CONSIDERED INCIDENTAL TO THE COST OF THE ITEM FOR WHICH THE SAWCUT IS BEING MADE.
- IT IS THE CONTRACTOR'S RESPONSIBILITY TO ENSURE THAT ALL EROSION AND DISPLACED SEDIMENT DOES NOT MIGRATE OFF SITE. IF UNEXPECTED EROSION OR SEDIMENTATION OCCURS, OR IF THE EROSION PLAN STRUCTURES BECOME DAMAGED, THE CONTRACTOR SHALL PROVIDE SUFFICIENT MEASURES TO REPAIR, REPLACE, OR INSTALL EROSION CONTROL STRUCTURES TO ENSURE OFF-SITE DAMAGE DOES NOT OCCUR. ANY SEDIMENT OR EROSION DAMAGE WHICH OCCURS OFF-SITE SHALL BE REPAIRED BY THE CONTRACTOR AT HIS EXPENSE.
- THE RESIDENT ENGINEER WILL FIELD LOCATE ALL SILT FENCE, STRAW BALE DITCH CHECKS, RIP-RAP DITCHES AND DITCH CHECKS.
- ALL EARTH SURFACES DISTURBED BY CONSTRUCTION OR AS DIRECTED BY THE ENGINEER SHALL BE SEEDDED.  
SEEDING CL 1  
MULCH METHOD 2  
NITROGEN FERTILIZER NUTRIENT  
PHOSPHORUS FERTILIZER NUTRIENT  
POTASSIUM FERTILIZER NUTRIENT  
SEEDING DATES: FALL: AUG. 16 - DEC. 31  
SPRING: JAN. 1 - MAY 31  
NO SEEDING SHALL BE DONE BETWEEN JUNE 1 - AUG. 15.
- IT IS INTENDED THAT ANY CULVERTS DAMAGED BY OR REMOVED BY THE CONTRACTOR OTHER THAN THOSE NOTED ON THE PLANS TO BE REMOVED WILL HAVE TO BE REMOVED AND/OR REPLACED AT THE CONTRACTOR'S SOLE EXPENSE.
- ALL MATERIALS SCHEDULED FOR REMOVAL, THAT ARE CONSIDERED TO BE SUITABLE FOR FUTURE USE, SHALL BE SALVAGED AND STOCKPILED AS DIRECTED BY THE ENGINEER. ALL OTHER MATERIALS SCHEDULED FOR REMOVAL BUT NOT SALVAGED, SHALL BE DISPOSED OF BY THE CONTRACTOR AT HIS EXPENSE.
- ALL EXCAVATION ADJACENT TO THE EDGE OF PAVEMENT SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES WITH APPROPRIATE LIGHTING.
- TRAFFIC CONTROL SIGNS SHALL BE 48" FLUORESCENT ORANGE.
- THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE CITY OF O'FALLON AT LEAST FORTY-EIGHT (48) HOURS IN ADVANCE PRIOR TO COMMENCEMENT OF ANY CONSTRUCTION ACTIVITIES OR WORK REQUIRING INSPECTION OR APPROVAL BY THE AFFECTED UNITS OF GOVERNMENT.

**COMMITMENTS**

- NONE

**LEGEND**

**LINE/TYPE LEGEND**

-----	CENTERLINE
-----	EASEMENT
-----	EDGE OF PAVEMENT (GRAVEL)
--- OHE ---	ELECTRIC LINE (OVERHEAD)
--- FO ---	FIBER OPTIC LINE (UNDERGROUND)
--- G ---	GAS LINE
-----	RIGHT-OF-WAY LINE
--- SF ---	SILT FENCE
=====	STORM CULVERT
~~~~~	TREE LINE
--- W ---	WATER LINE

**SYMBOL LEGEND**

	ELECTRIC GUYWIRE
	ELECTRIC METER
	ELECTRIC POWERPOLE
	ELECTRIC RISER
	FIBER OPTIC RISER
	GAS RISER
	GAS VALVE
	GENERAL SIGN
	STORM CATCH BASIN
	STORM CURB INLET
	STORM GRATE INLET
	STORM JUNCTION BOX

	TELEPHONE HANDHOLE
	TELEPHONE MANHOLE
	TELEPHONE RISER
	TREE - DECIDUOUS
	WATER - FIRE HYDRANT
	WATER - GATE VALVE

**INDEX OF SHEETS**

SHEET NO.	DESCRIPTION
1.	COVER SHEET
2.	GENERAL NOTES
3.	SUMMARY OF QUANTITIES
4.	TYPICAL SECTIONS
5.	SCHEDULES
6.-8.	SIDEWALK PLAN AND PROFILE SHEETS
9.	DETAILS
10.-11.	STRUCTURAL DETAILS
12.-19.	CROSS SECTIONS

**STANDARDS**

000001-06	701011-04
001001-02	701301-04
001006	701501-06
280001-07	701801-06
424026-01	701901-05
608001-06	720001-01
701006-05	720006-04

SECTION 15-00036-04-SW  
GENERAL NOTES

SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF O'FALLON  
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	<b>2</b>
CHECKED BY:	OF 19 SHEETS
APPROVED BY: MJM	SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: D01150095	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
25000110	SEEDING, CLASS 1A	ACRE	0.5
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	45
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	45
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	45
25100115	MULCH, METHOD 2	ACRE	0.5
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	50
28000400	PERIMETER EROSION BARRIER	FOOT	801
28000500	INLET AND PIPE PROTECTION	EACH	7
28100107	STONE RIPRAP, CLASS A4	SQ YD	13
28200200	FILTER FABRIC	SQ YD	13
35101600	AGGREGATE BASE COURSE, TYPE B 4"	SQ YD	337
35102000	AGGREGATE BASE COURSE, TYPE B 8"	SQ YD	55
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	22
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	15
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	55
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	3935

CODE NO.	PAY ITEM	UNIT	TOTAL QUANTITY
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	44
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	137
44000600	SIDEWALK REMOVAL	SQ FT	154
50200100	STRUCTURE EXCAVATION	CU YD	442
50300225	CONCRETE STRUCTURES	CU YD	113
50800205	REINFORCEMENT BARS, EPOXY COATED	POUND	4670
50901760	PIPE HANDRAIL	FOOT	262
54213660	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 15"	EACH	1
550A.0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	20
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	137
67100100	MOBILIZATION	LSUM	1
* Z0046304	PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	227
* X2070304	POROUS GRANULAR EMBANKMENT, SPECIAL	CU YD	106
* X6025602	MANHOLES TO BE ADJUSTED WITH FRAME AND GRATE (SPECIAL)	EACH	3
* X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	LSUM	1
* XX005431	LOCATING UNDERGROUND UTILITY	EACH	3

\* SEE PROJECT SPECIAL PROVISIONS

△ SPECIALTY ITEMS

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ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
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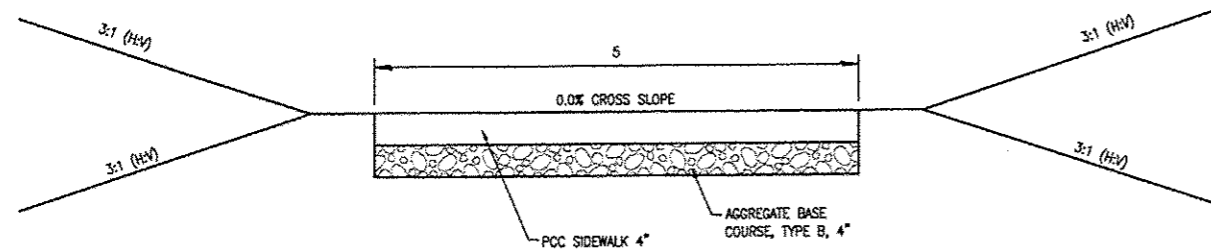
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TITLE: SECTION 15-00036-04-SW  
SUMMARY OF QUANTITIES

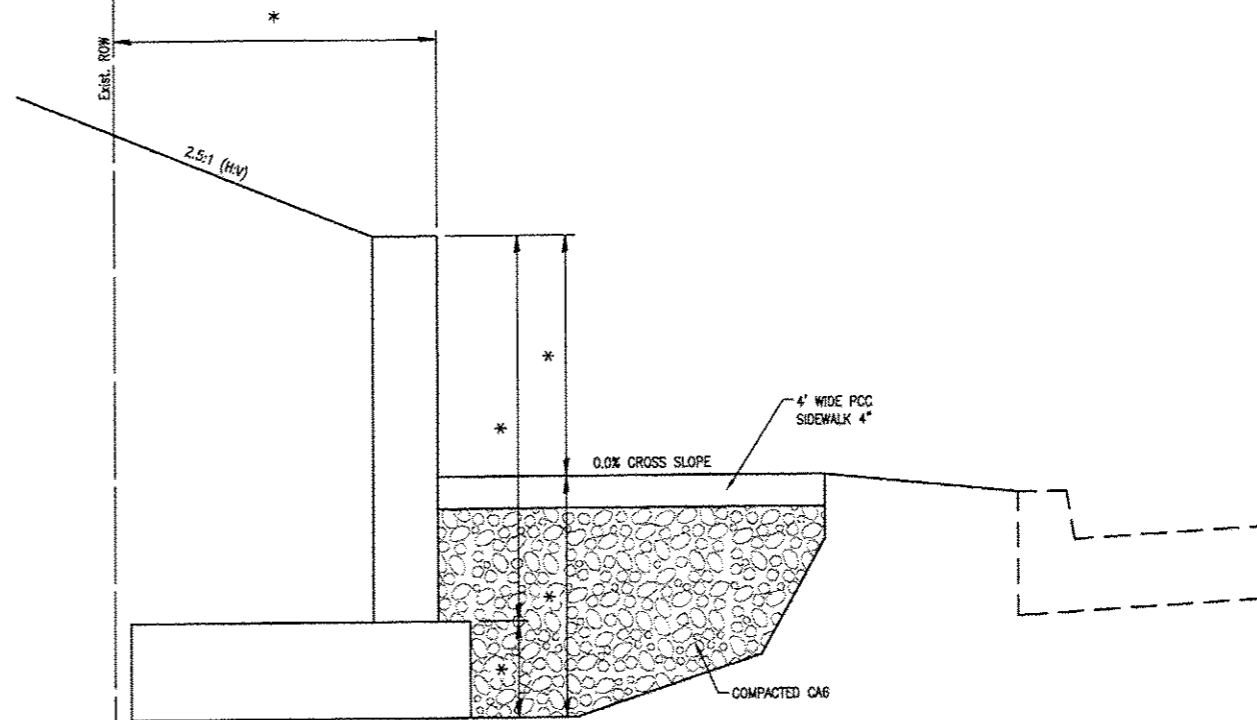
PROJECT: SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF FALLON  
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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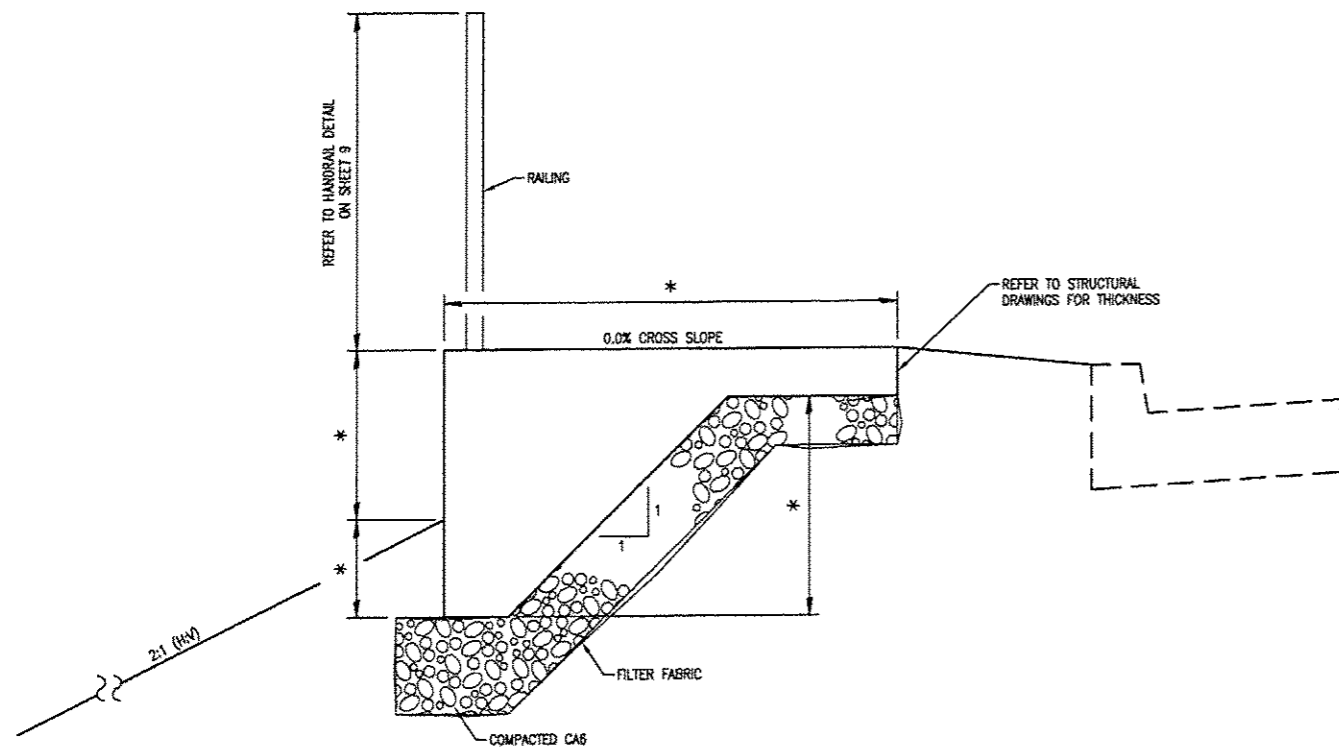
DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	<b>3</b>
CHECKED BY:	OF 19 SHEETS
APPROVED BY: MJM	
PROJECT NUMBER: D01150095	SEVEN HILLS SIDEWALK EXTENSION
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



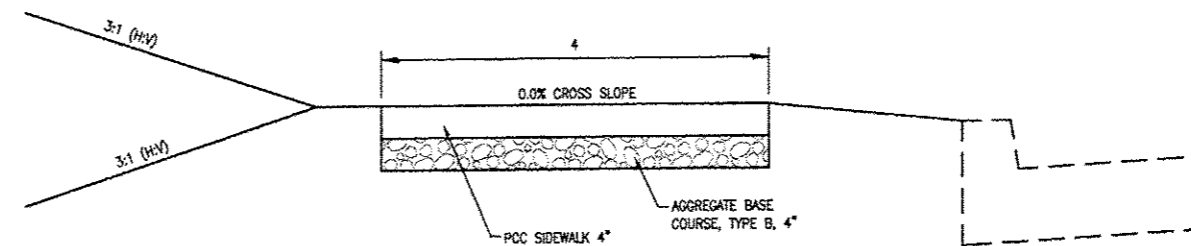
**SECTION 1**  
Sta. 0+00 to 0+65



**SECTION 2**  
Sta. 2+72 to 4+95  
REFER TO STRUCTURAL SHEET 10 FOR ALL DIMENSIONS



**SECTION 3**  
Sta. 5+58 to 8+20 (NO BLOCK WALL)  
REFER TO STRUCTURAL SHEET 11 FOR ALL DIMENSIONS



**SECTION 4**  
Sta. 0+65 to 2+72  
Sta. 4+95 to 5+58  
Sta. 8+20 to 13+03.42

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TITLE: SECTION 15-00036-04-SW  
TYPICAL SECTIONS

PROJECT: SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF FALLON  
ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	<b>4</b>
CHECKED BY:	OF 19 SHEETS
APPROVED BY: M/JM	SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: D01150095	
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<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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TITLE: SECTION 15-00036-04-SW SCHEDULES

PROJECT: SEVEN HILLS ROAD SIDEWALK EXTENSION CITY OF FALLON ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: DAB	SHEET 5
DESIGNED BY: NTS	OF 19 SHEETS
CHECKED BY:	
APPROVED BY: MJM	PROJECT: SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: D01150090	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

FROM LOCATION STATION	TO LOCATION STATION	TEMPORARY EROSION CONTROL SEEDING (LBS)	PERIMETER EROSION BARRIER (FOOT)	INLET & PIPE PROTECTION (EACH)	SEEDING CLASS 1 (ACRES)	NITROGEN FERTILIZER NUTRIENT (LBS)	PHOSPHORUS FERTILIZER NUTRIENT (LBS)	POTASSIUM FERTILIZER NUTRIENT (LBS)	MULCH METHOD 2 (ACRES)	RIPRAP (SQ YDS)	FILTER FABRIC (SQ YDS)
0+00	2+50.00		255								
0+00	13+10.00	50			0.5	45	45	45	0.5		
0+63.50	-			1						12.7	12.7
0+79.99	0+93.00										
3+75.00	-			1							
5+00.00	9+00.00		400								
5+88.50	-			1							
7+35.50	-			1							
7+45.00	-			1							
10+33.75	-			1							
11+61.00	12+57.00		95								
12+70.00	13+09.00		39								
12+78.32	-			1							
TOTAL		50	801	7	0.5	45	45	45	0.5	13	13

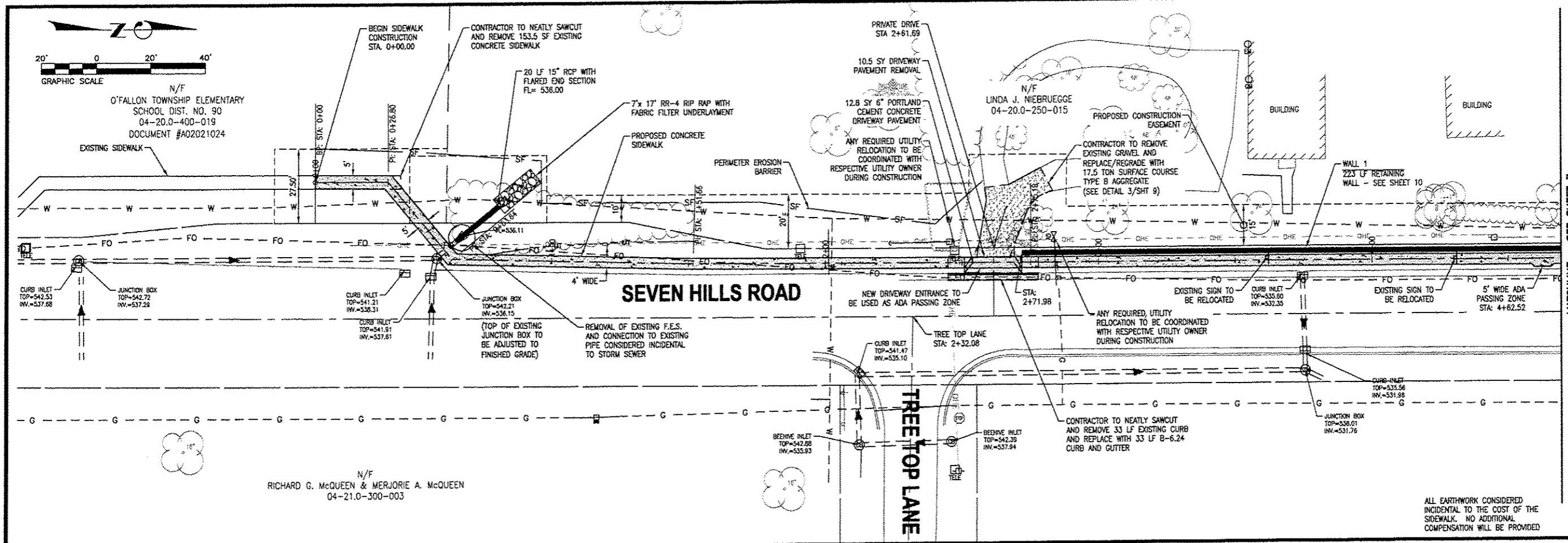
\*RETAINING WALL QUANTITIES ON SHEETS 10-11

FROM LOCATION STATION	TO LOCATION STATION	SIDEWALK REMOVAL (SQ FT)	COMBINATION CURB & GUTTER REMOVAL (FOOT)	DRIVEWAY PAVEMENT REMOVAL (SQ YD)
0+00	0+31.50	153.5		
2+44.96	2+77.98		33.0	
2+50.96	2+71.98			10.5
5+24.47	5+58.16		33.7	
5+30.47	5+52.16			11.0
11+35.71	11+74.79		39.1	
11+41.71	11+68.79			12.9
12+48.66	12+79.72		31.1	
12+54.66	12+73.72			9.4
GRAVEL DRIVEWAY REMOVAL CONSIDERED INCIDENTAL TO PROJECT				
TOTAL		154	137	44

FROM LOCATION STATION	TO LOCATION STATION	AGGREGATE BASE COURSE TYPE B - 4" (SQ YD)	PORTLAND CEMENT CONCRETE SIDEWALK - 4" (SQ FT)	COMBINATION CONCRETE CURB & GUTTER TYPE B - 6.24 (FOOT)
0+00	2+52.27	118.8	1069.5	
2+44.96	2+77.98			33
2+70.66	5+31.79	16.9	1052.7	
5+24.47	5+58.16			33.7
5+50.85	5+58.16	3.2	29.2	
8+20	11+43.04	145.1	1306	
11+35.71	11+74.79			39.1
11+67.48	12+55.99	39.3	354	
12+48.66	12+79.72			31.1
12+72.41	13+03.42	13.7	124	
TOTAL		337	3935	137

LOCATION STATION	ENTRANCE TYPE	"L" ADJUSTMENT LENGTH OF DRIVE BEHIND ENTRANCE APRON (FEET)	AGGREGATE BASE COURSE TYPE B - 8" (SQ YD)	AGGREGATE TEMPORARY ACCESS (TON)	AGGREGATE SURFACE COURSE TYPE B (TON)	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 6" (SQ YD)
2+61.69	PRIVATE	33.5	12.8	5	17.5	12.8
5+41.33	PRIVATE	0	13.3	0	0	13.3
11+55.00	PRIVATE	3	16.9	5	2	16.9
12+64.50	PRIVATE	3.5	11.5	5	2	11.5
TOTAL		-	55	15	22	55

FROM LOCATION STATION	TO LOCATION STATION	STORM SEWERS CLASS A, TYPE 1 - 15" (FOOT)	PRECAST FLARED END SECTION 15" (EACH)	MANHOLES TO BE ADJUSTED WITH FRAME AND GRATE (EACH)	LOCATING UNDERGROUND UTILITY (EACH)	PIPE HANDRAIL (FOOT)
0+59.45	0+79.99	20				
0+59.50	-			1		
0+79.99	-		1			
2+02.31	-				1	
2+84.25	-				1	
5+58.16	8+20.00					252
7+35.25	-			1		
8+07.52	-				1	
12+78.28	-			1		
TOTAL		20	1	3	3	262



N/F  
RICHARD G. McQUEEN & MERJORIE A. McQUEEN  
04-21.0-300-003

MATCHLINE - SEE SHEET 7

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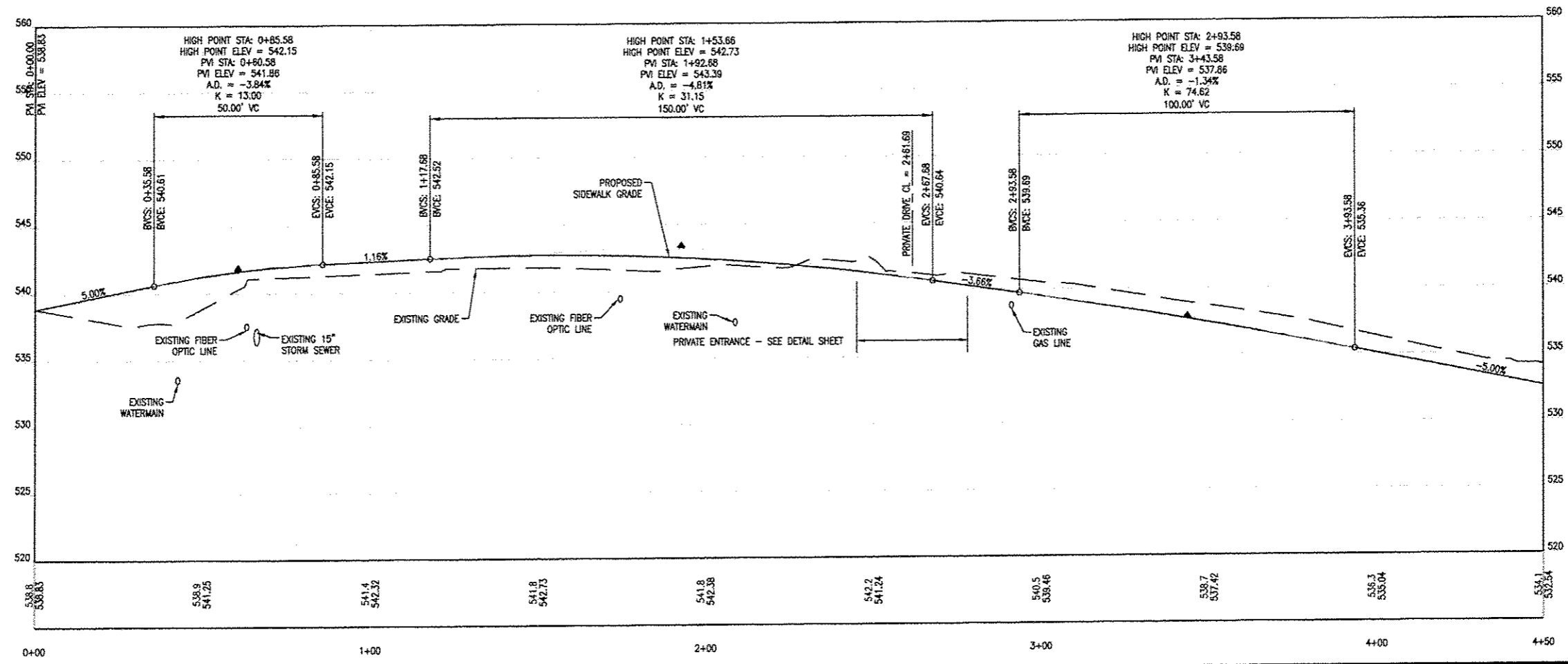
PROFESSIONAL REGISTRATIONS	LICENSE NO.
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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	048-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000246

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 Signature Date: \_\_\_\_\_  
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CENTERLINE-SIDEWALK (0+00.00 - 4+50.00)



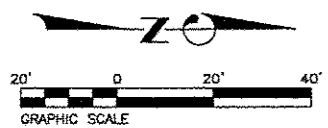
TITLE: SECTION 15-00036-04-SW  
PLAN AND PROFILES

PROJECT: SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF OFALLON  
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

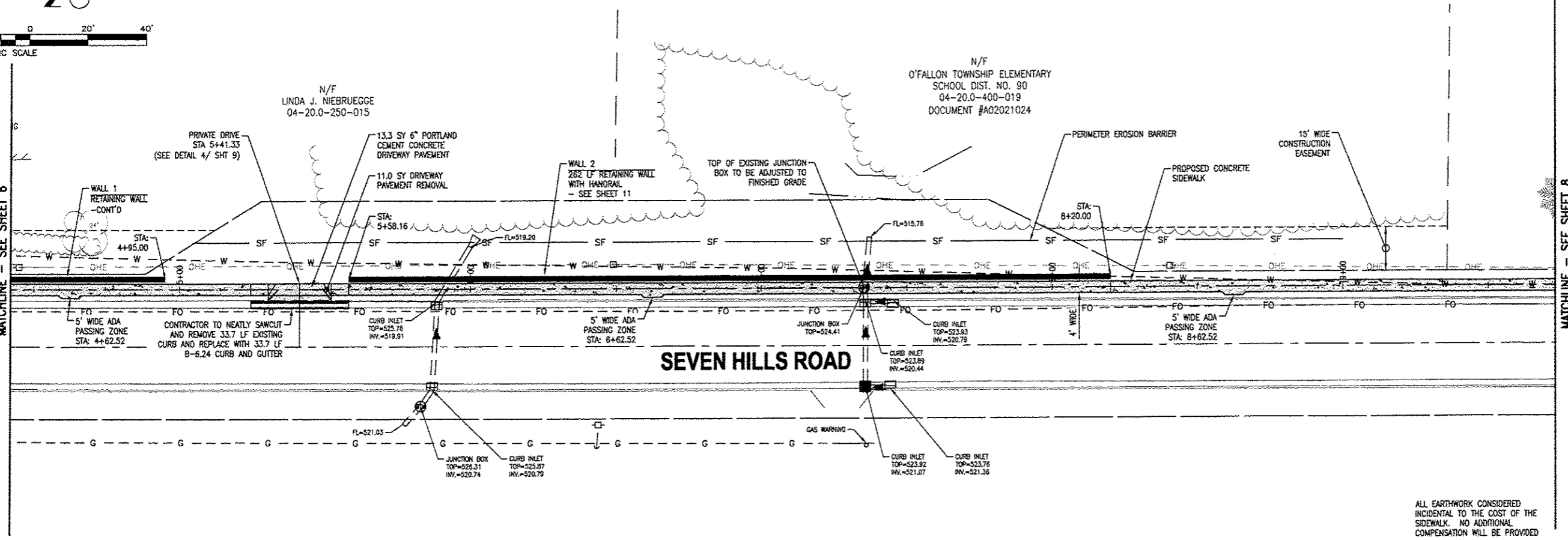
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DESIGNED BY: NTS	OF 19 SHEETS
CHECKED BY:	
APPROVED BY: MJM	PROJECT: SEVEN HILLS SIDEWALK EXTENSION
	PROJECT NUMBER: 001150095
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<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING





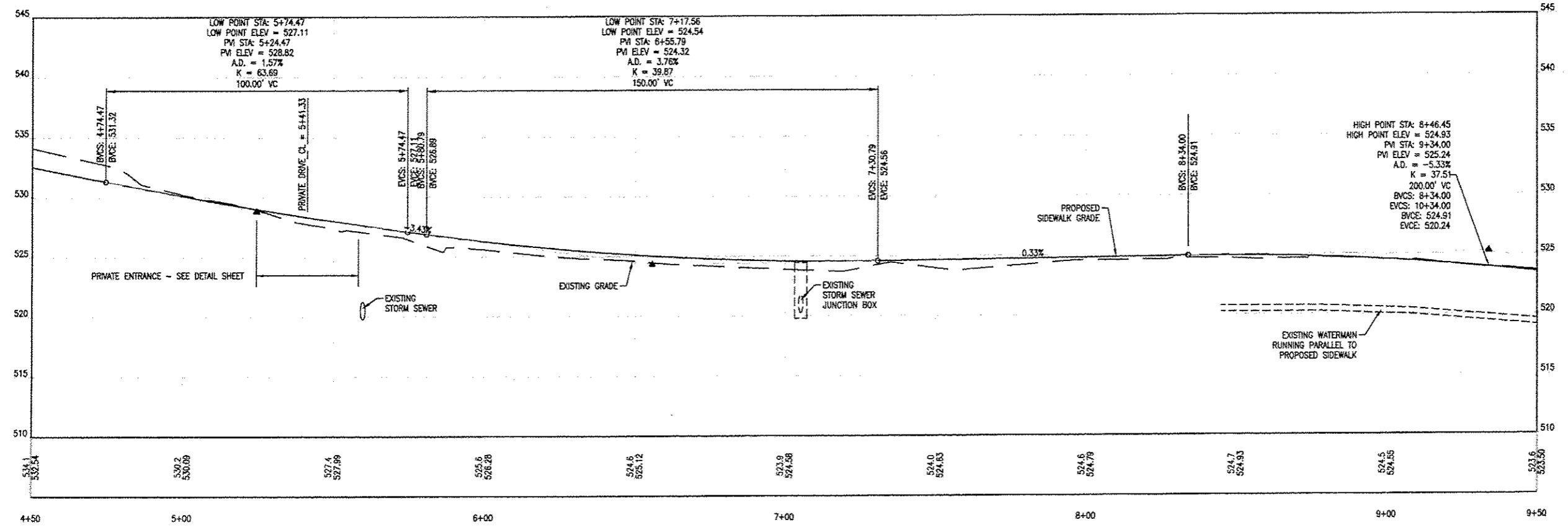
MATCHLINE - SEE SHEET 6

MATCHLINE - SEE SHEET 8



ALL EARTHWORK CONSIDERED INCIDENTAL TO THE COST OF THE SIDEWALK. NO ADDITIONAL COMPENSATION WILL BE PROVIDED.

CENTERLINE-SIDEWALK (4+50.00 - 9+50.00)



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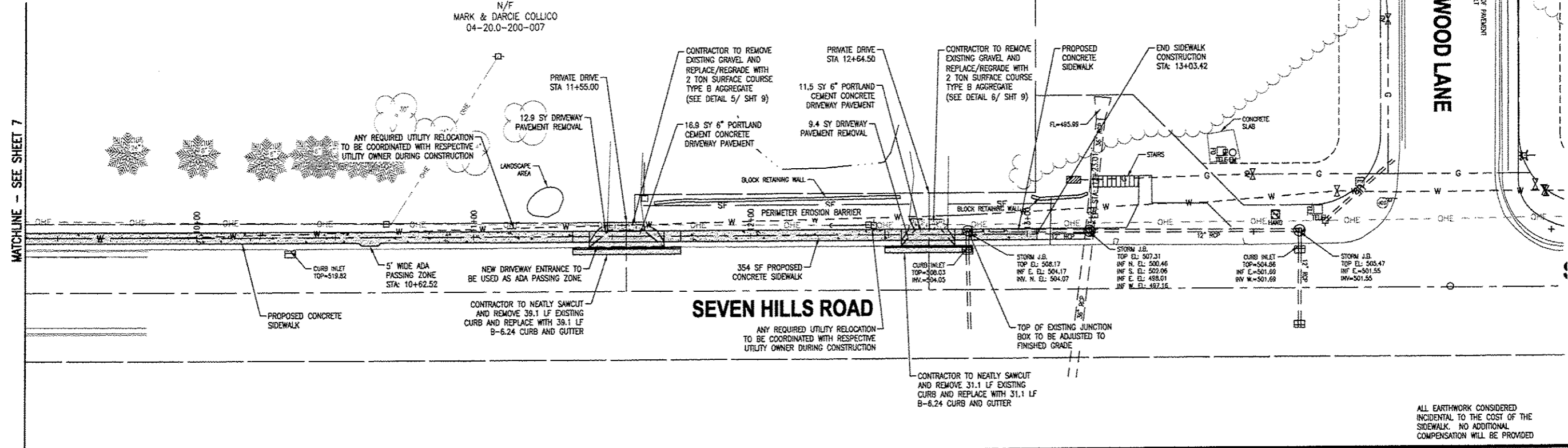
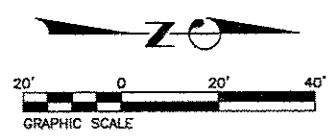
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TITLE: SECTION 15-00036-04-SW  
PLAN AND PROFILES  
 PROJECT: SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF O'FALLON  
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
1		
2		
3		

DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	7
CHECKED BY:	OF 19 SHEETS
APPROVED BY: M/M	
PROJECT NUMBER: DO1150095	SEVEN HILLS SIDEWALK EXTENSION
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWINGS



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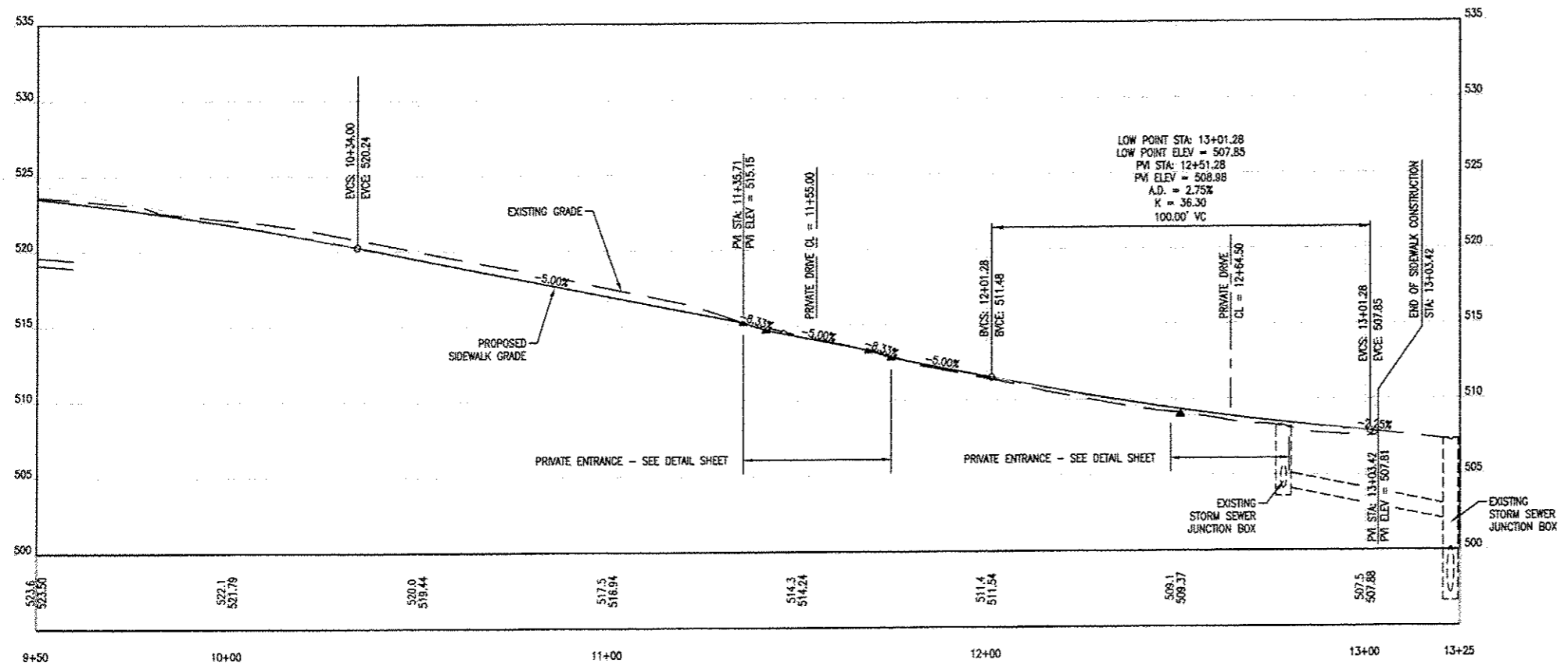
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MISSOURI LAND SURVEYING CORP.	NC 000348

CENTERLINE-SIDEWALK (9+50.00 - 13+25.00)



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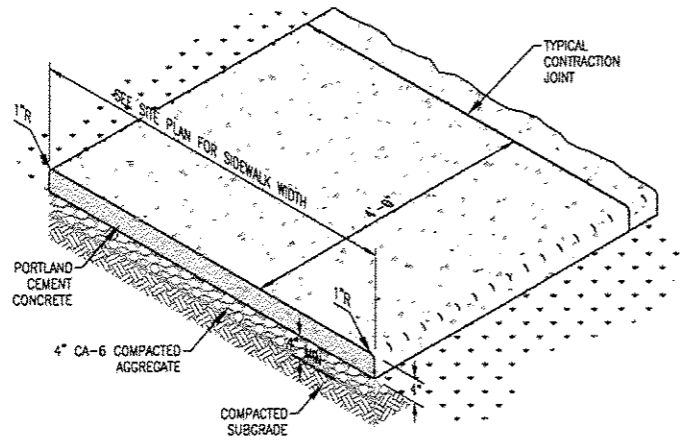
TITLE: SECTION 15-00036-04-SW  
PLAN AND PROFILES

PROJECT: SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF FALLON  
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	8
CHECKED BY:	OF 19 SHEETS
APPROVED BY: MJM	SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: D01150095	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
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PORTLAND CEMENT CONCRETE SHALL HAVE A MINIMUM OF 3,500 PSI COMPRESSIVE STRENGTH AT 28 DAYS.

SUBGRADE SHALL BE THOROUGHLY COMPACTED TO 95% OS ASTM D-698 MAXIMUM DENSITY AT THE PROPER LINE AND GRADE PRIOR TO PLACEMENT OF THE CONCRETE.

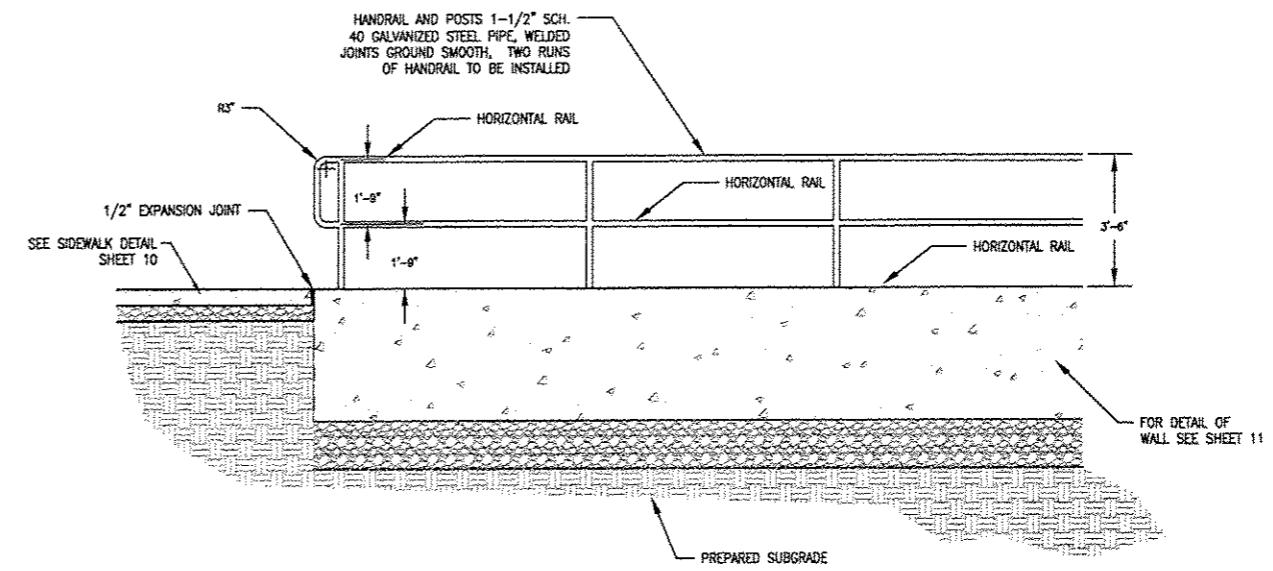
SUBGRADE SHALL BE MOISTENED JUST BEFORE THE CONCRETE IS TO BE PLACED.

CONTRACTION JOINTS SHALL BE PLACED AT RIGHT ANGLES TO THE CENTERLINE OF THE SIDEWALK AT FIVE (5) FOOT INTERVALS AND SHALL HAVE A DEPTH 1/8\"/>

THE FINAL SURFACE OF THE SIDEWALK SHALL BE BRUSHED WITH A WHITEWASH BRUSH AT RIGHT ANGLES TO THE SURFACE PRODUCING A SLIGHTLY ROUGHENED SURFACE WITH PARALLEL BRUSH MARKS.

1/2\"/>

3/4\"/>

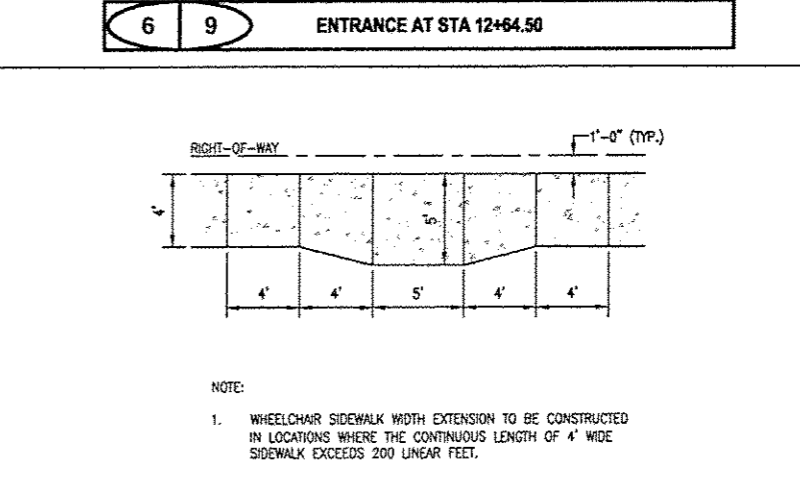
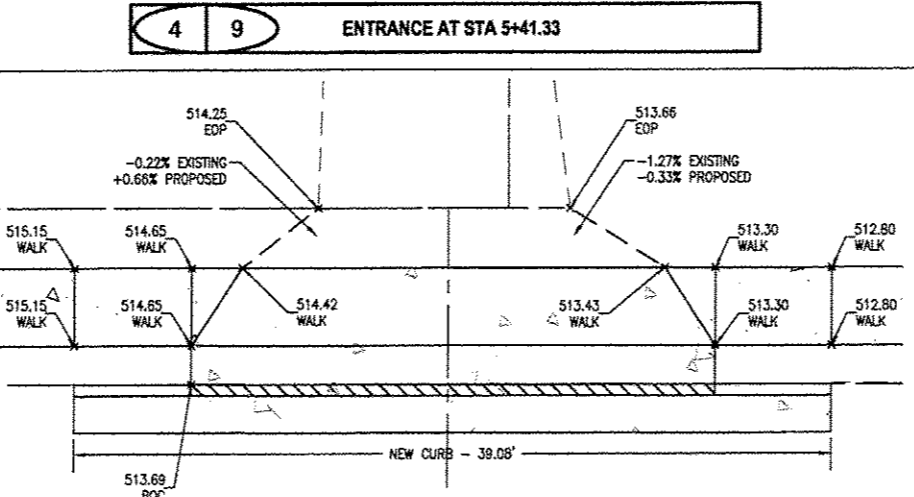
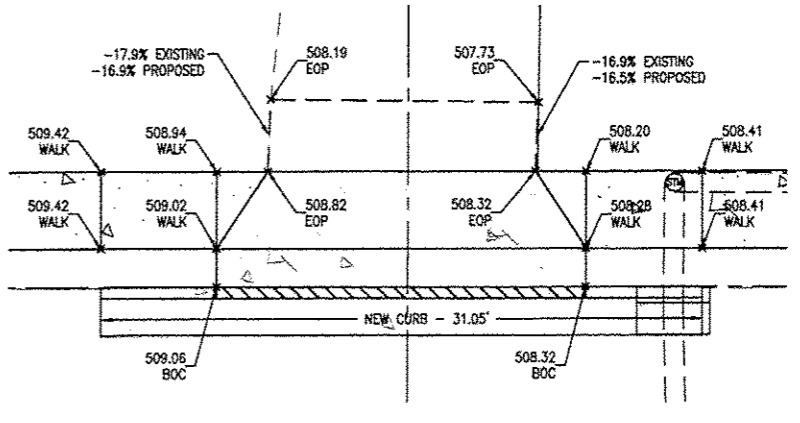
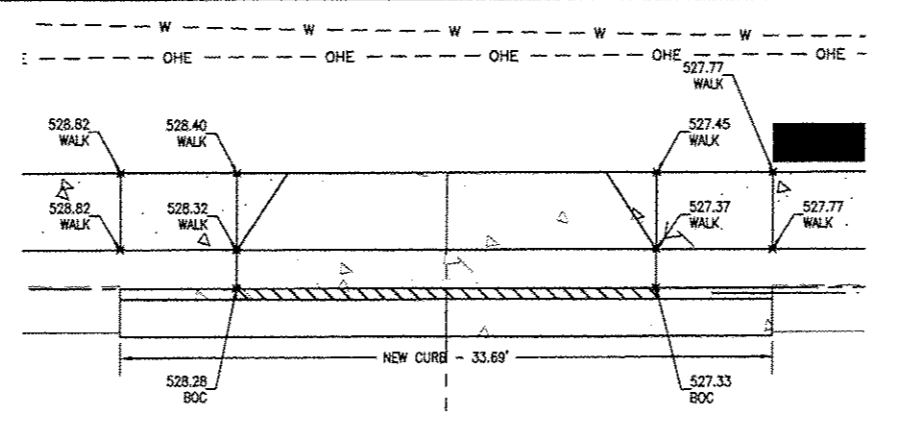
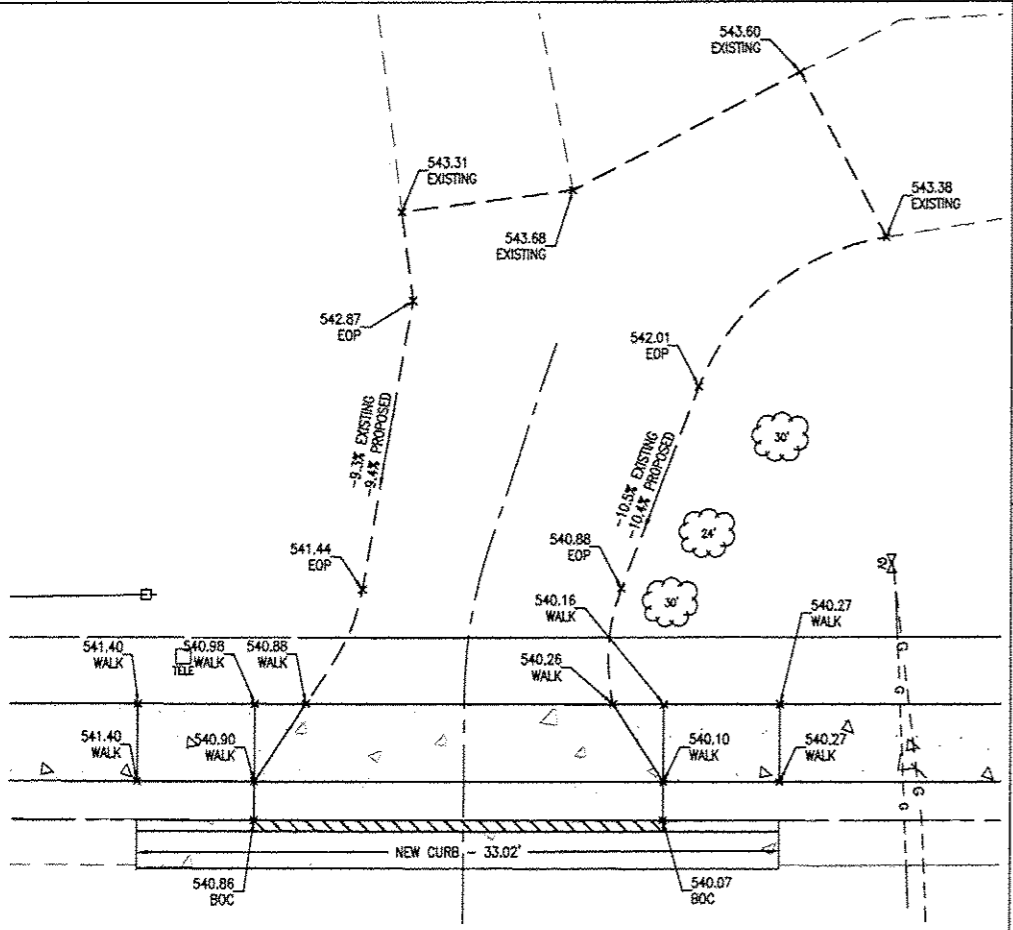


NOTES:

1. ALL SIDEWALK AND HANDRAIL MATERIALS, INSTALLATION, AND WORKMANSHIP SHALL COMPLY WITH THE AMERICANS WITH DISABILITIES ACT.
2. VERTICAL POSTS SHALL NOT BE SPACED MORE THAN 5'-0\"/>
- 3. ALL SIDEWALK, RAMP, HANDRAILS AND ACCESSIBLE ROUTE MUST COMPLY WITH THE AMERICANS WITH DISABILITIES ACT AND ALL LOCAL AND STATE CODES.

1 9 CONCRETE SIDEWALK (UNREINFORCED)

2 9 CONCRETE WALL HANDRAILING FROM STA 5+58.16 TO 8+20.00



NOTE:

1. WHEELCHAIR SIDEWALK WIDTH EXTENSION TO BE CONSTRUCTED IN LOCATIONS WHERE THE CONTINUOUS LENGTH OF 4' WIDE SIDEWALK EXCEEDS 200 LINEAR FEET.

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SECTION 15-00036-04-SW  
DETAILS

PROJECT:  
SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF FALLON  
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION

DRAWN BY: DAB SHEET 9 OF 19 SHEETS  
 DESIGNED BY: NTS  
 CHECKED BY: \_\_\_\_\_  
 APPROVED BY: MJM  
 PROJECT NUMBER: D01150095  
 ISSUED FOR REVIEW  ISSUED FOR BIDDING  
 ISSUED FOR CONSTR.  RECORD DRAWING

P:\150095\1 CAD - DWG\7 Iron\Construction Set\09-150095-Detail Sheet.dwg



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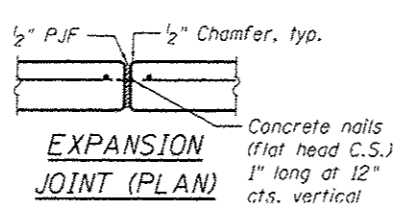
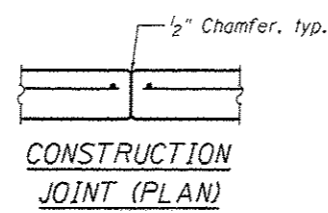
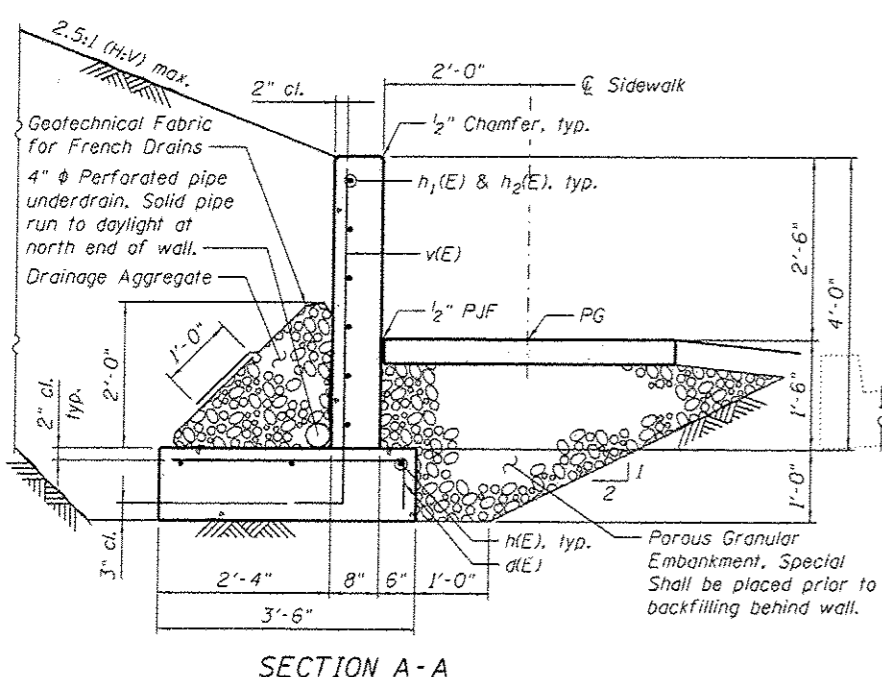
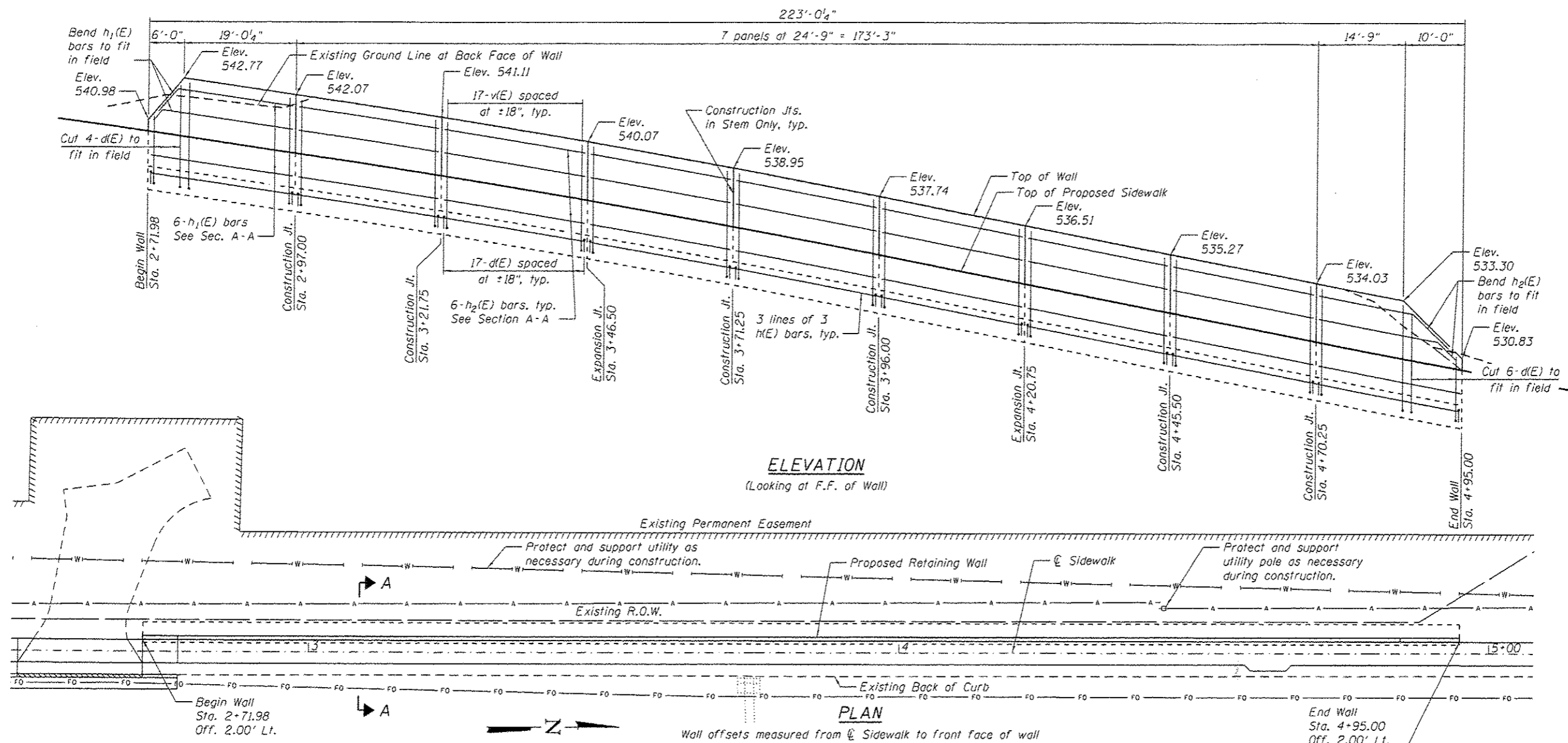
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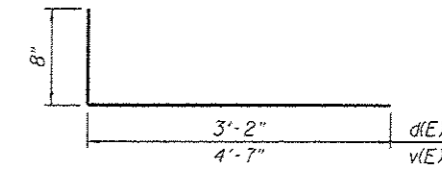
**DESIGN SPECIFICATIONS**  
2014 AASHTO LRFD Bridge Design Specifications, 7th Edition with 2015 Interims

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

**GENERAL NOTES**

- See Plan and Profile sheets for Profile Grade.
- Approximate locations of known utilities shown. Contractor is responsible for locating all utilities prior to excavation.
- Drainage Aggregate, Pipe Underdrains and Geotechnical Fabric for French Drains shall be included in the cost of Pipe Underdrains for Structures.

**MINIMUM BAR LAP**  
#4 bar = 2'-7"



**BARS d(E) & v(E)**  
**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d(E)	153	#4	3'-10"	
h(E)	27	#4	26'-6"	
h1(E)	6	#4	24'-8"	
h2(E)	48	#4	24'-5"	
v(E)	153	#4	5'-3"	
Structure Excavation			Cu. Yd.	330
Porous Granular Embankment, Special			Cu. Yd.	60
Concrete Structures			Cu. Yd.	50.5
Pipe Underdrains for Structures 4"			Foot	257
Reinforcement Bars, Epoxy Coated			Pound	2290



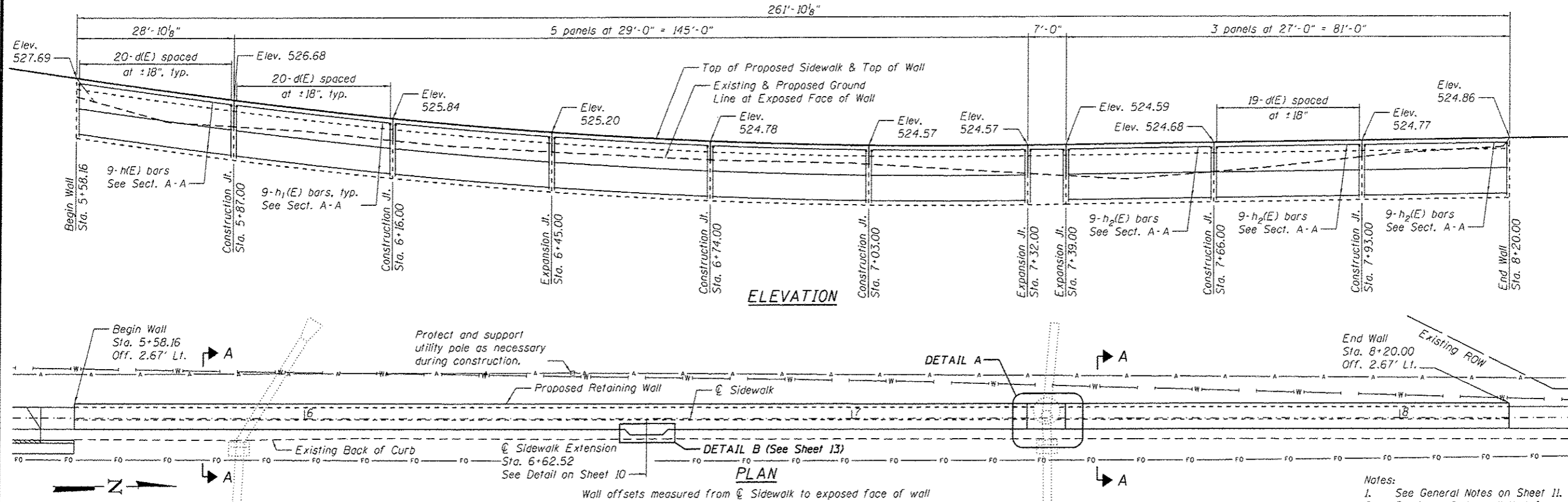
7/15/2016  
*Angela L. Nemsky*  
EXPIRES 11/30/2016  
Seal applies to Sheets 10-11

**STRUCTURAL DETAILS**  
**RETAINING WALL 1**  
**STATION 2+7198 TO 4+9500**

**PROJECT:**  
SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF FALLON  
ST. CLAIR COUNTY, ILLINOIS

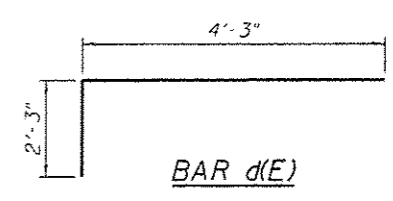
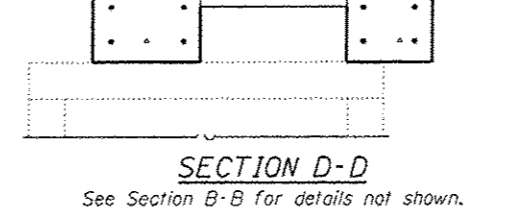
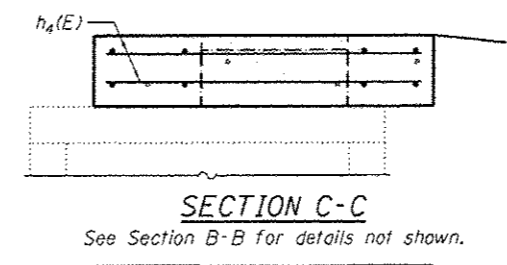
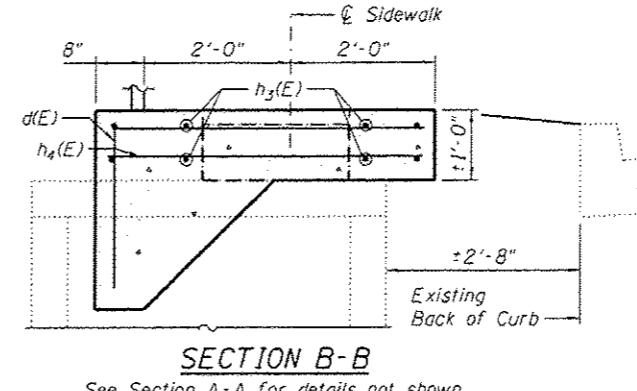
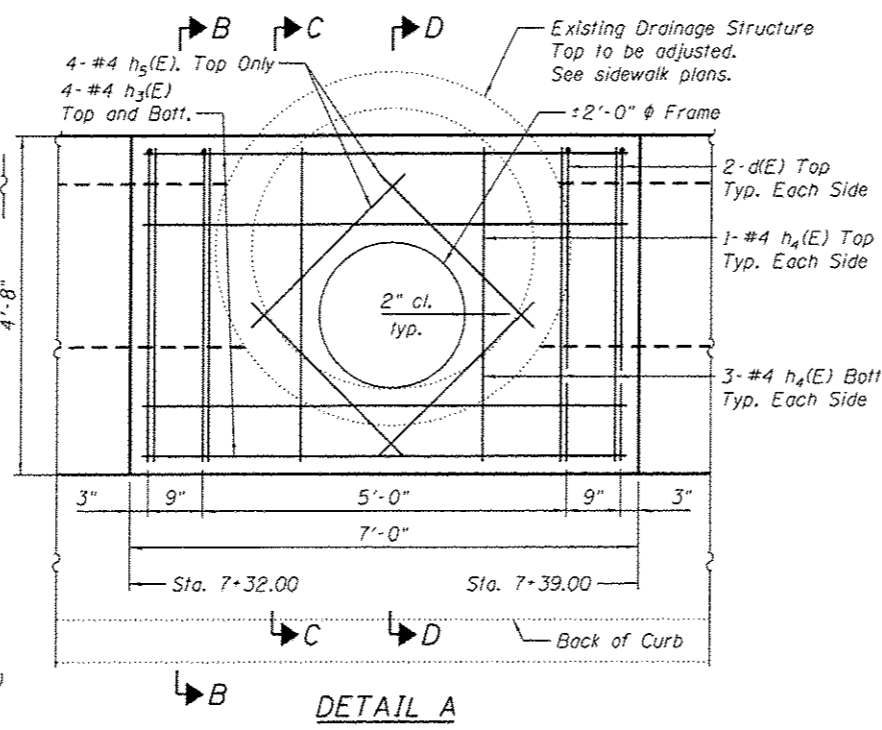
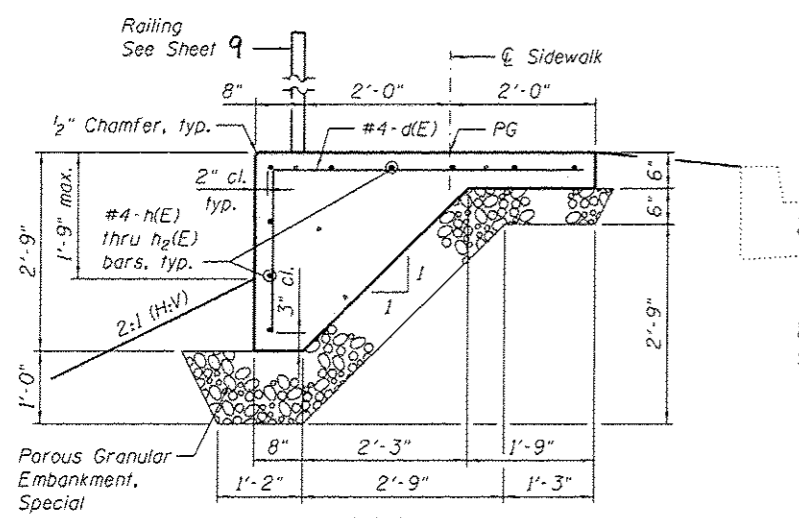
REV.	DATE	DESCRIPTION

DRAWN BY: MJJ	SHEET
DESIGNED BY: MJJ	10
CHECKED BY: ALN	OF SHEETS
APPROVED BY: MJM	SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: D01150095	
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<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWINGS



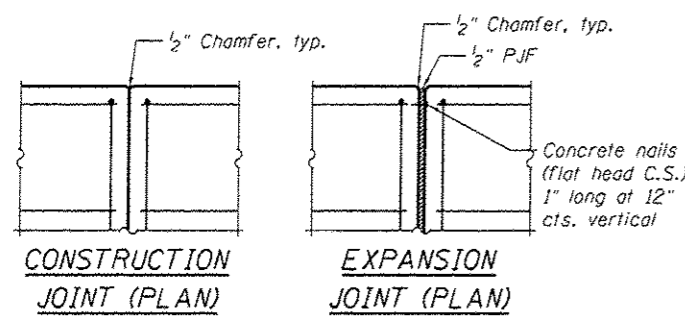
**MINIMUM BAR LAP**  
#4 bar = 2'-7"

- Notes:
- See General Notes on Sheet 11.
  - Portions of the wall that form the sidewalk shall be edged at construction joints, expansion joints and edges with an edging tool having a  $\frac{1}{4}$  in. radius.
  - Provide expansion joints between the retaining wall and abutting sidewalk at the beginning and end of the retaining wall according to Article 424.07 of the Standard Specifications.
  - See Sheet 10 and Special Provisions for Railing details and installation requirements.



**BILL OF MATERIAL**

Bar	No.	Size	Length	Shape
d(E)	181	#4	6'-6"	
h(E)	9	#4	28'-6"	
h <sub>1</sub> (E)	45	#4	28'-8"	
h <sub>2</sub> (E)	27	#4	26'-8"	
h <sub>3</sub> (E)	8	#4	6'-8"	
h <sub>4</sub> (E)	8	#4	4'-4"	
h <sub>5</sub> (E)	4	#4	3'-0"	
h <sub>6</sub> (E)	5	#4	3'-7"	
h <sub>7</sub> (E)	1	#4	6'-0"	
Structure Excavation		Cu. Yd.	112	
Porous Granular Embankment, Special		Cu. Yd.	46	
Concrete Structures		Cu. Yd.	61.6	
Reinforcement Bars, Epoxy Coated		Pound	2380	



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**STRUCTURAL DETAILS**  
RETAINING WALL 2  
STATION 5+58.16 TO 8+20.00

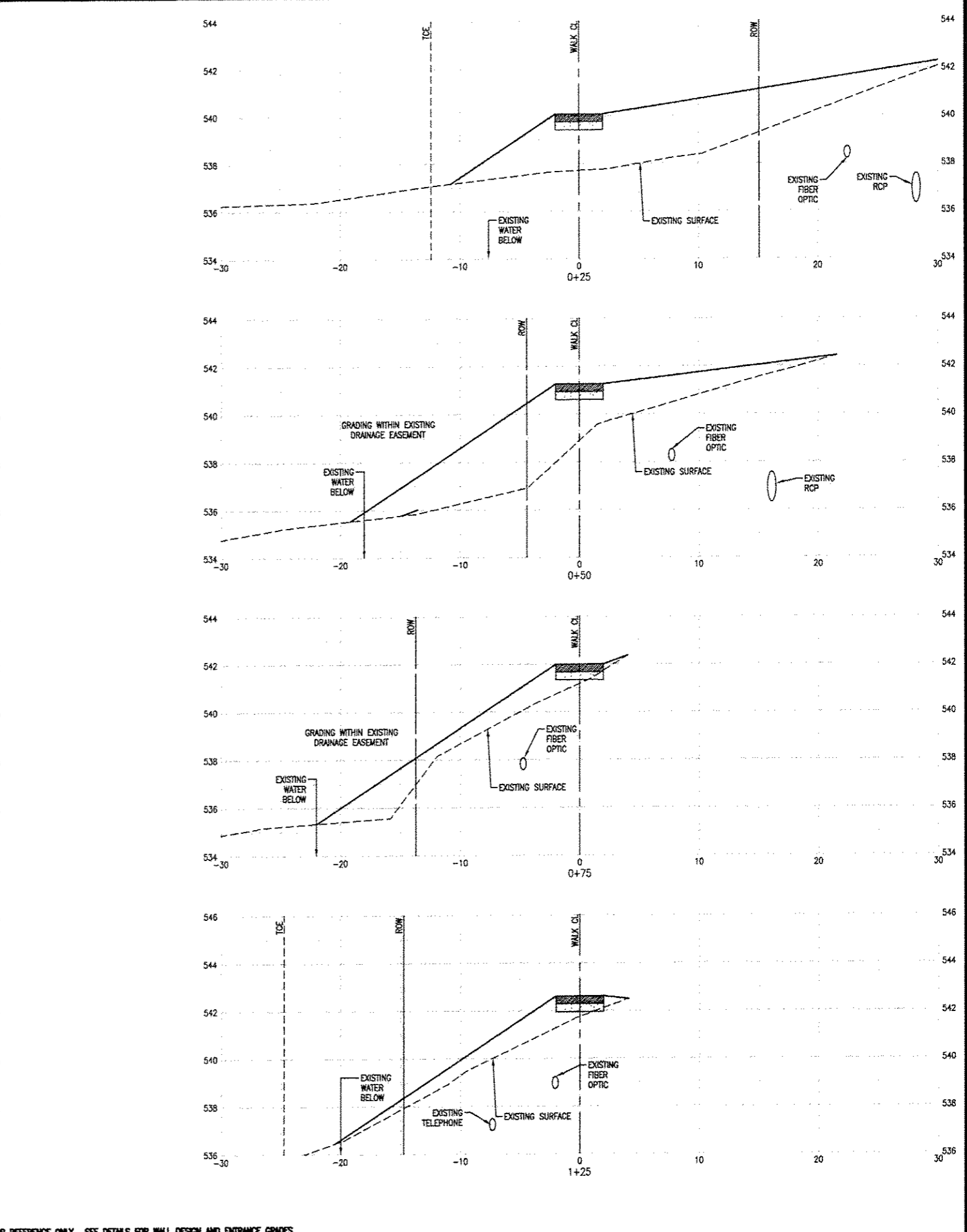
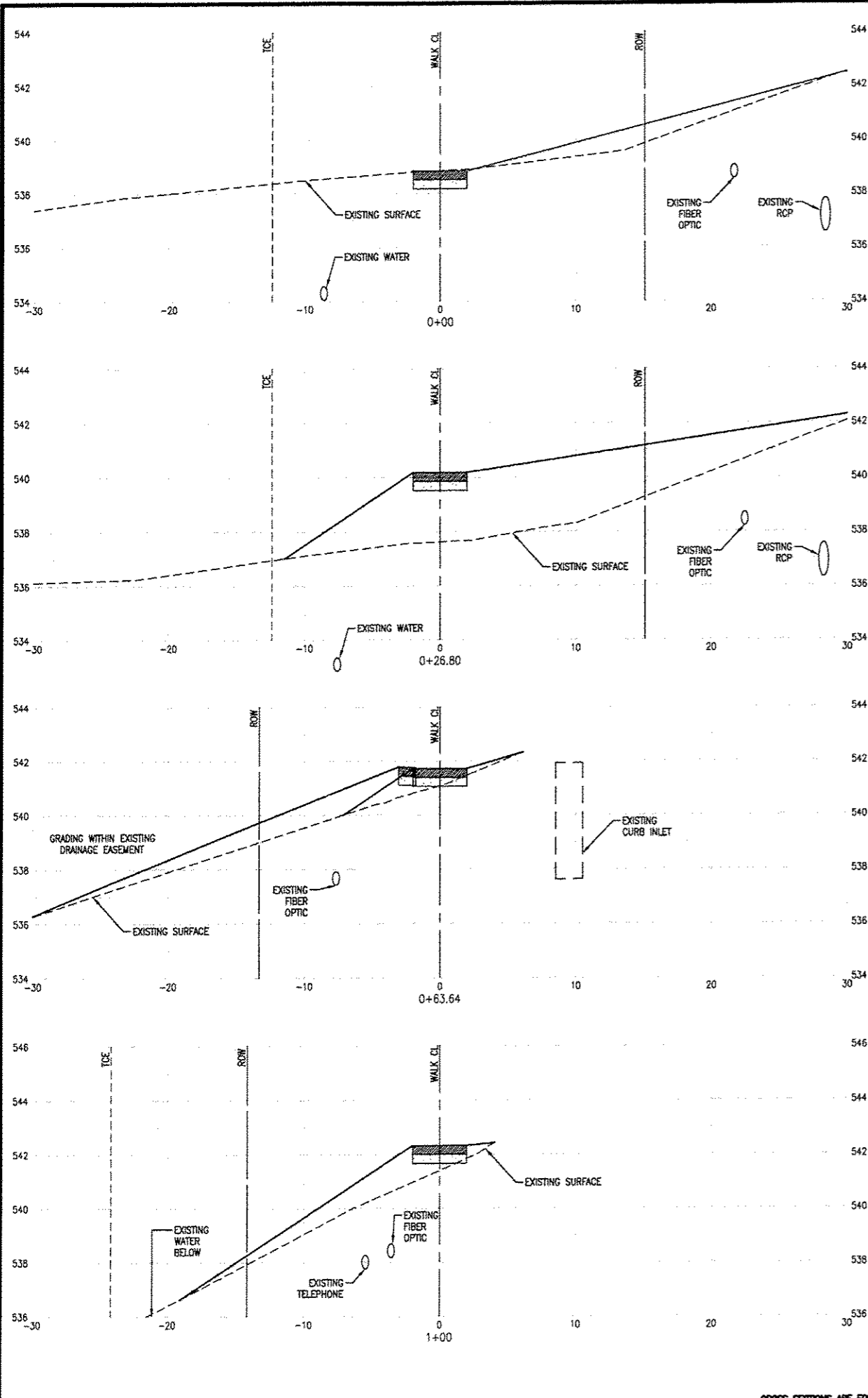
**PROJECT:**  
SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF FALLON  
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: MJJ SHEET 11 OF 11 SHEETS  
DESIGNED BY: MJJ  
CHECKED BY: ALN  
APPROVED BY: MJM  
PROJECT NUMBER: 001150095  
PROJECT: SEVEN HILLS SIDEWALK EXTENSION

ISSUED FOR REVIEW  ISSUED FOR BIDDING  
 ISSUED FOR CONSTR.  RECORD DRAWING

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ILLINOIS PROF. LAND SURVEYING CORP.	046-000029
MISSOURI PROFESSIONAL ENGR. CORP.	MC 001528
MISSOURI LAND SURVEYING CORP.	MC 000346

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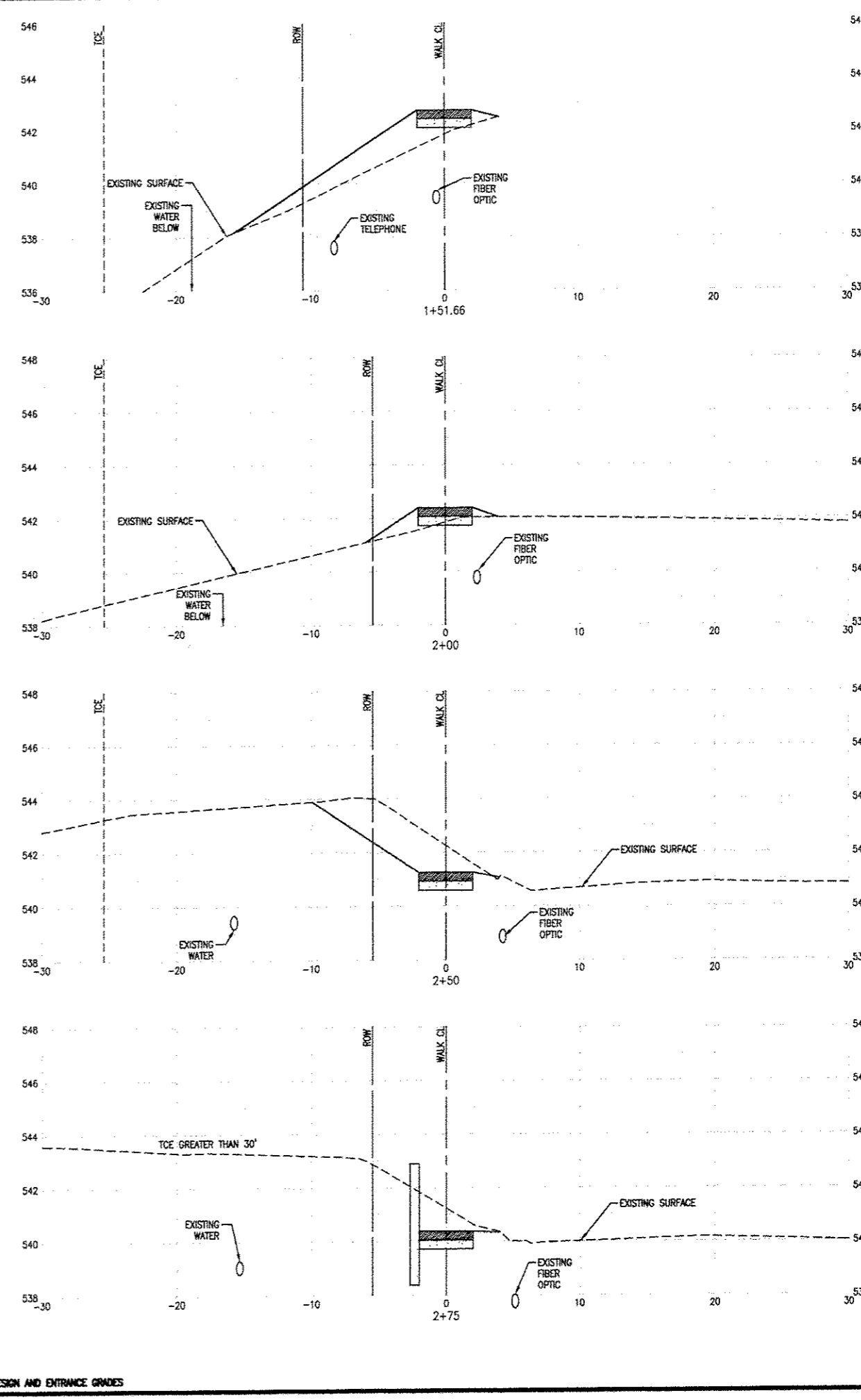
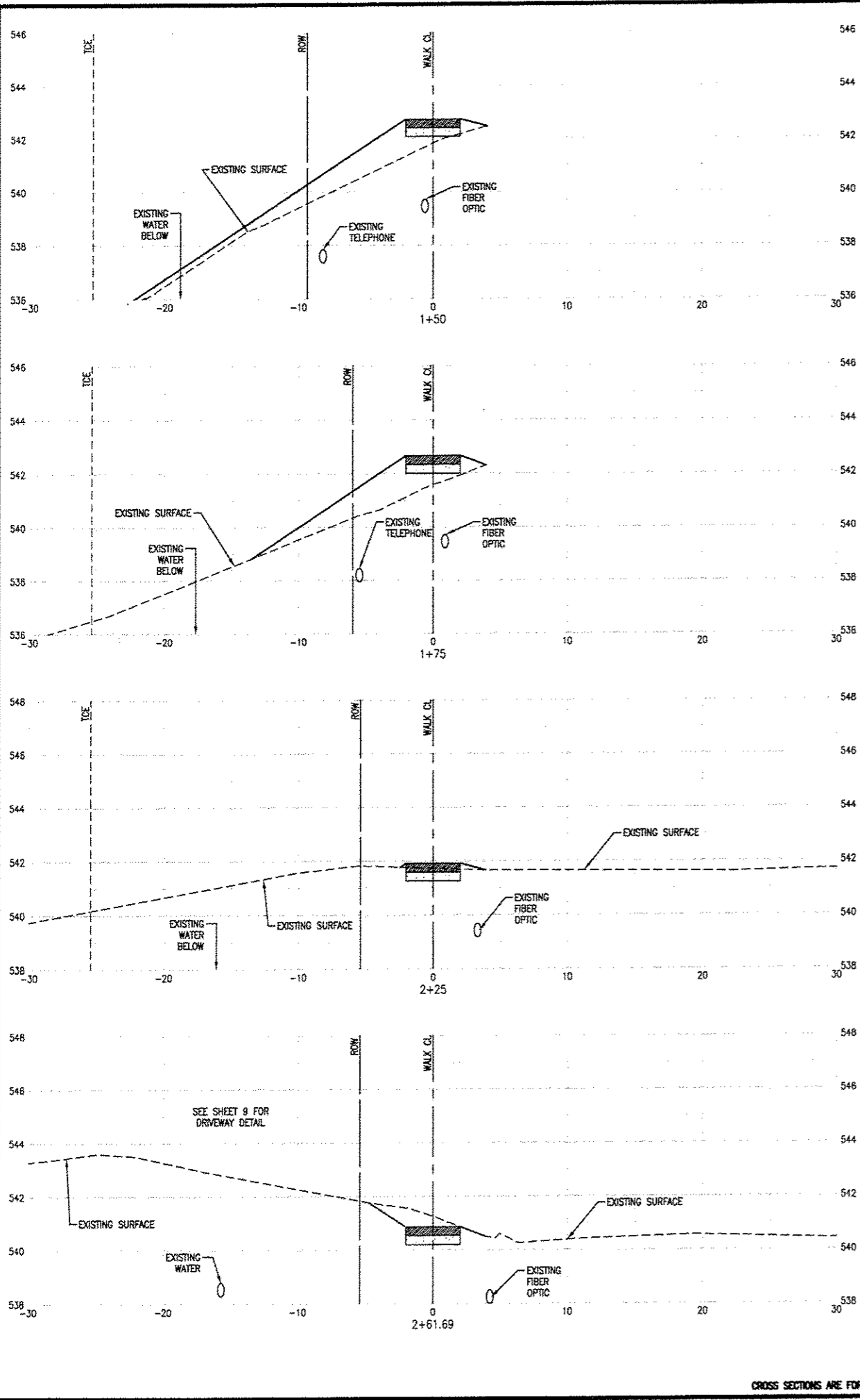
TITLE: SECTION 15-00036-04-SW CROSS SECTIONS  
 PROJECT: SEVEN HILLS ROAD SIDEWALK EXTENSION CITY OF FALLON ST. CLAIR COUNTY, ILLINOIS

REV	DATE	DESCRIPTION
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△		

DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	<b>12</b>
CHECKED BY:	OF 19 SHEETS
APPROVED BY: MJM	
PROJECT NUMBER: D01150095	SEVEN HILLS SIDEWALK EXTENSION

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 ISSUED FOR CONSTR.     RECORD DRAWING

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PROFESSIONAL STRUCTURAL ENGR. CORP.	81-005202
ILLINOIS PROF. LAND SURVEYING CORP.	946-000028
MISSOURI PROFESSIONAL ENGR. CORP.	NO. 001528
MISSOURI LAND SURVEYING CORP.	NO. 000346

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**TITLE:** SECTION 15-00036-04-SW CROSS SECTIONS

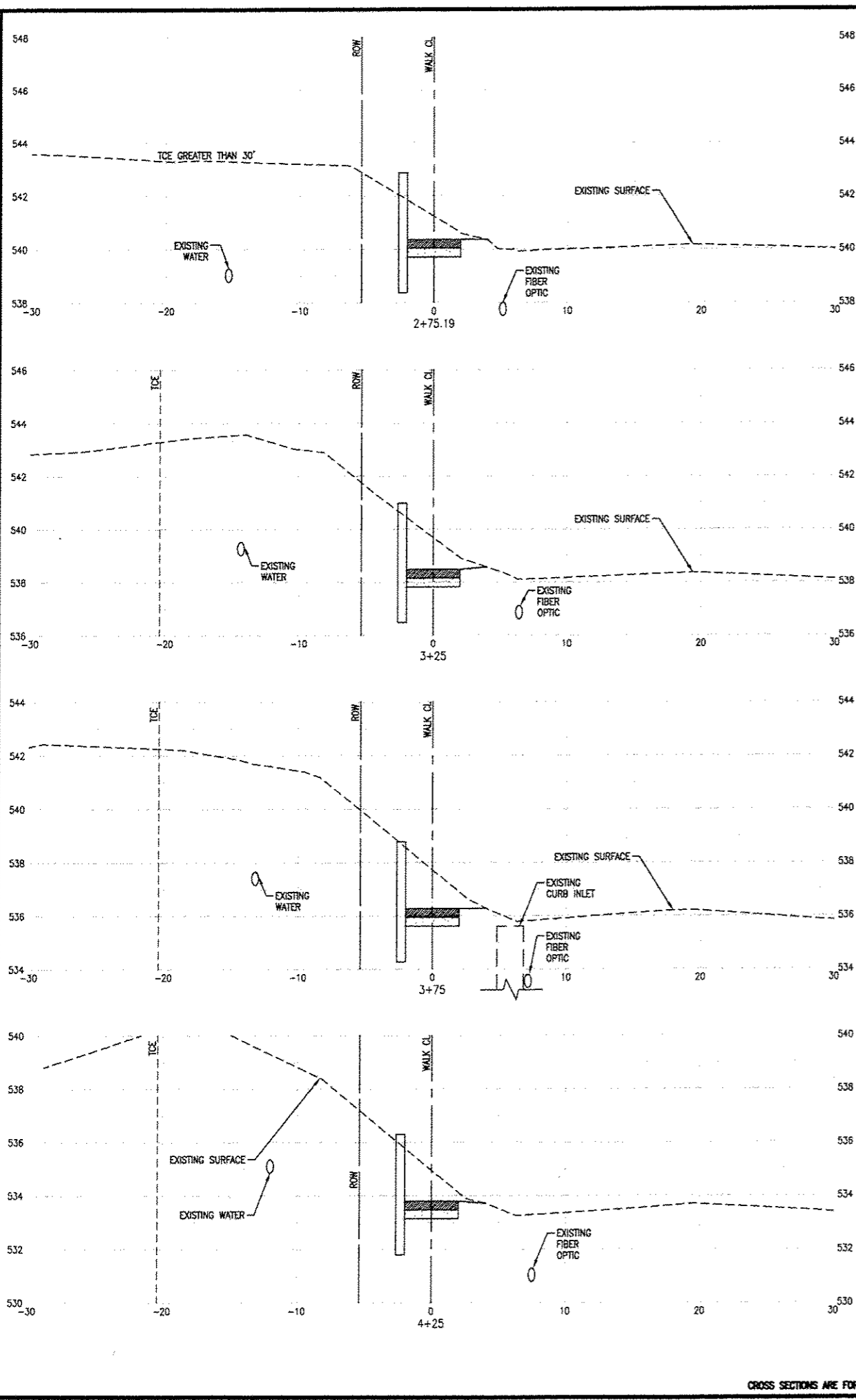
**PROJECT:** SEVEN HILLS ROAD SIDEWALK EXTENSION CITY OF FALLON ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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<b>DRAWN BY:</b> DAB	<b>SHEET</b>
<b>DESIGNED BY:</b> NTS	<b>13</b>
<b>CHECKED BY:</b>	<b>OF 19 SHEETS</b>
<b>APPROVED BY:</b> MJM	<b>SEVEN HILLS SIDEWALK EXTENSION</b>
<b>PROJECT NUMBER:</b> 001150095	

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MISSOURI LAND SURVEYING CORP.	MC 000348

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TITLE: SECTION 15-00036-04-SW CROSS SECTIONS

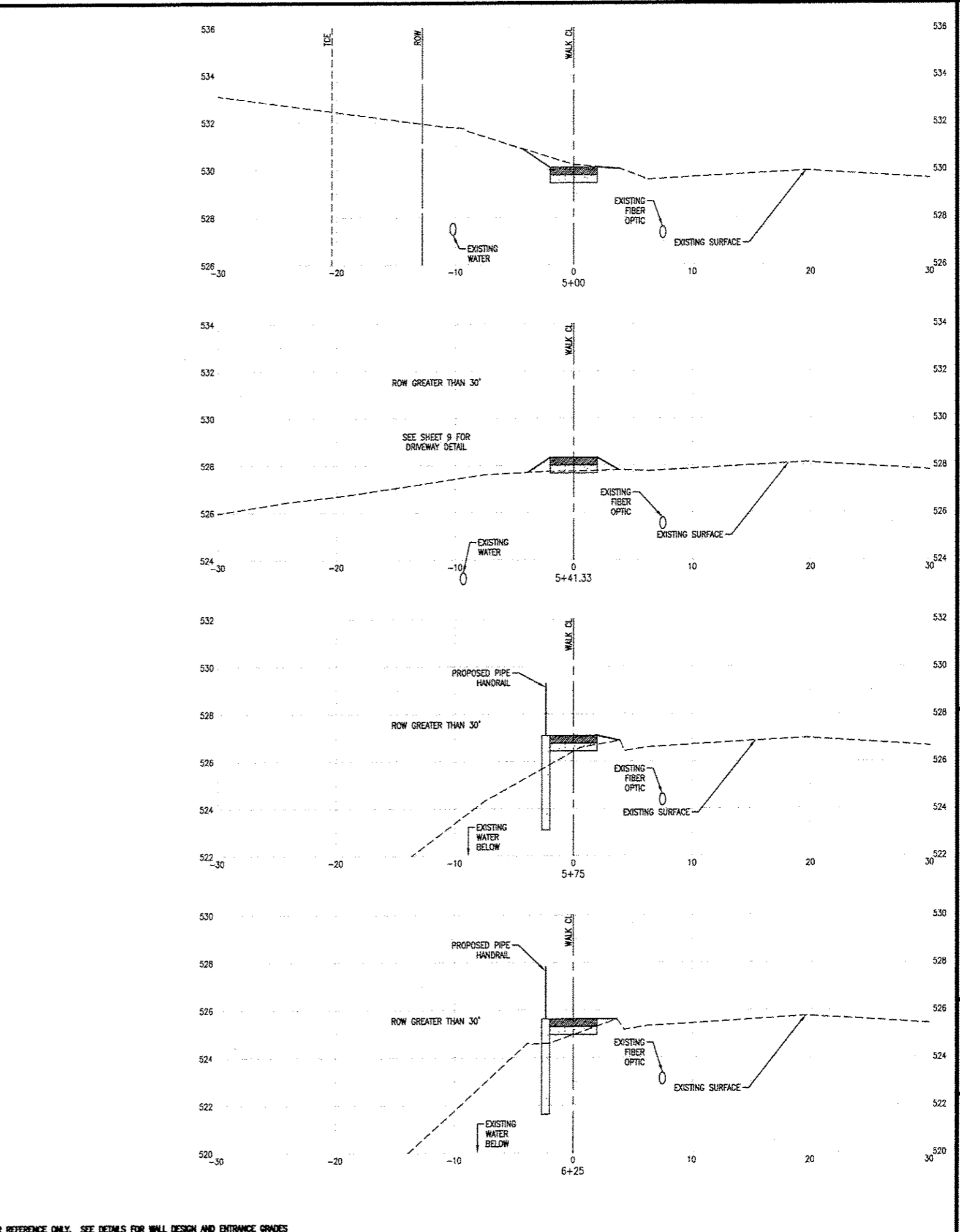
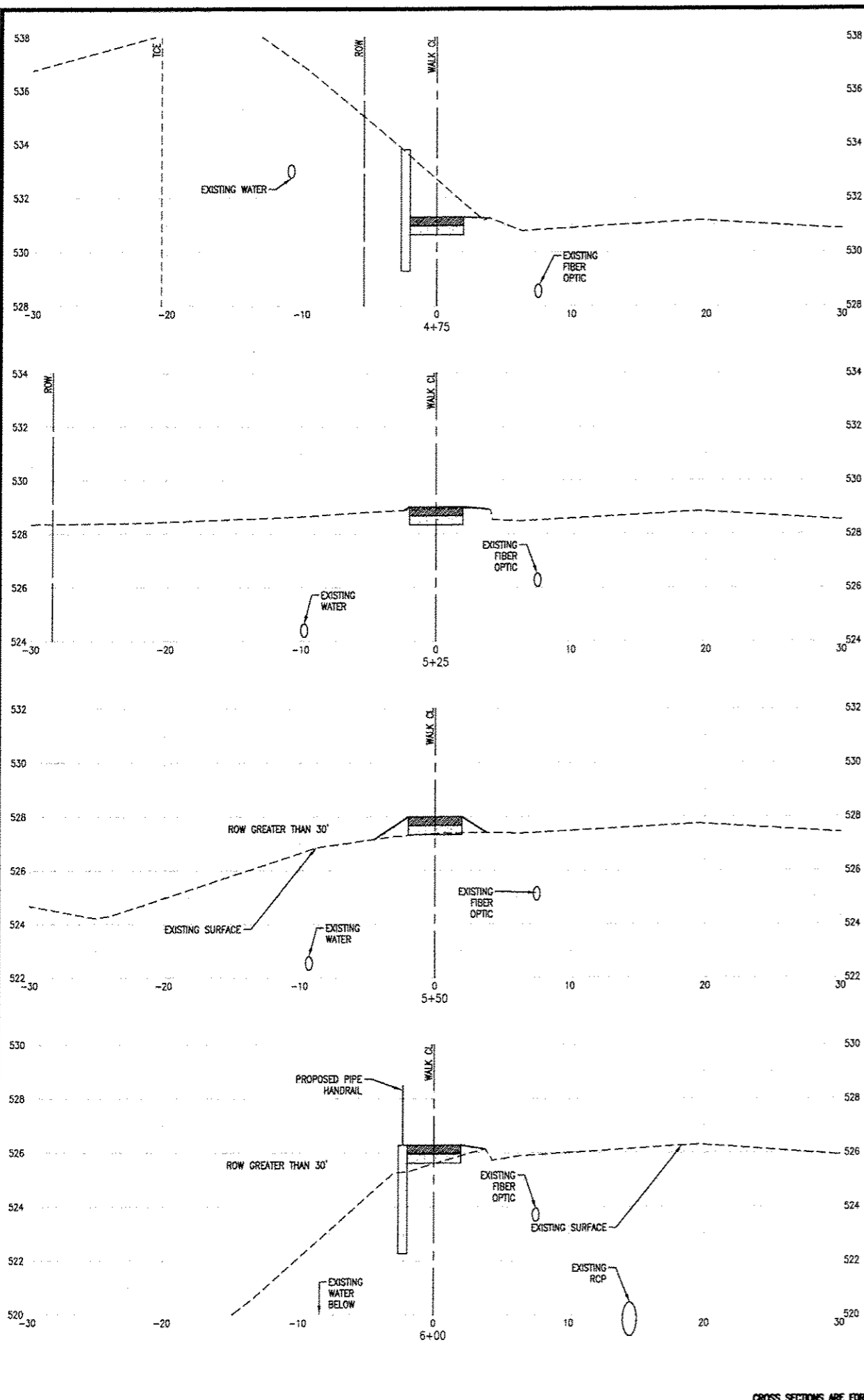
PROJECT: SEVEN HILLS ROAD SIDEWALK EXTENSION CITY OF FALLON ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: DAB	SHEET 14
DESIGNED BY: NTS	OF 19 SHEETS
CHECKED BY:	
APPROVED BY: MJM	SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: D01150095	
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<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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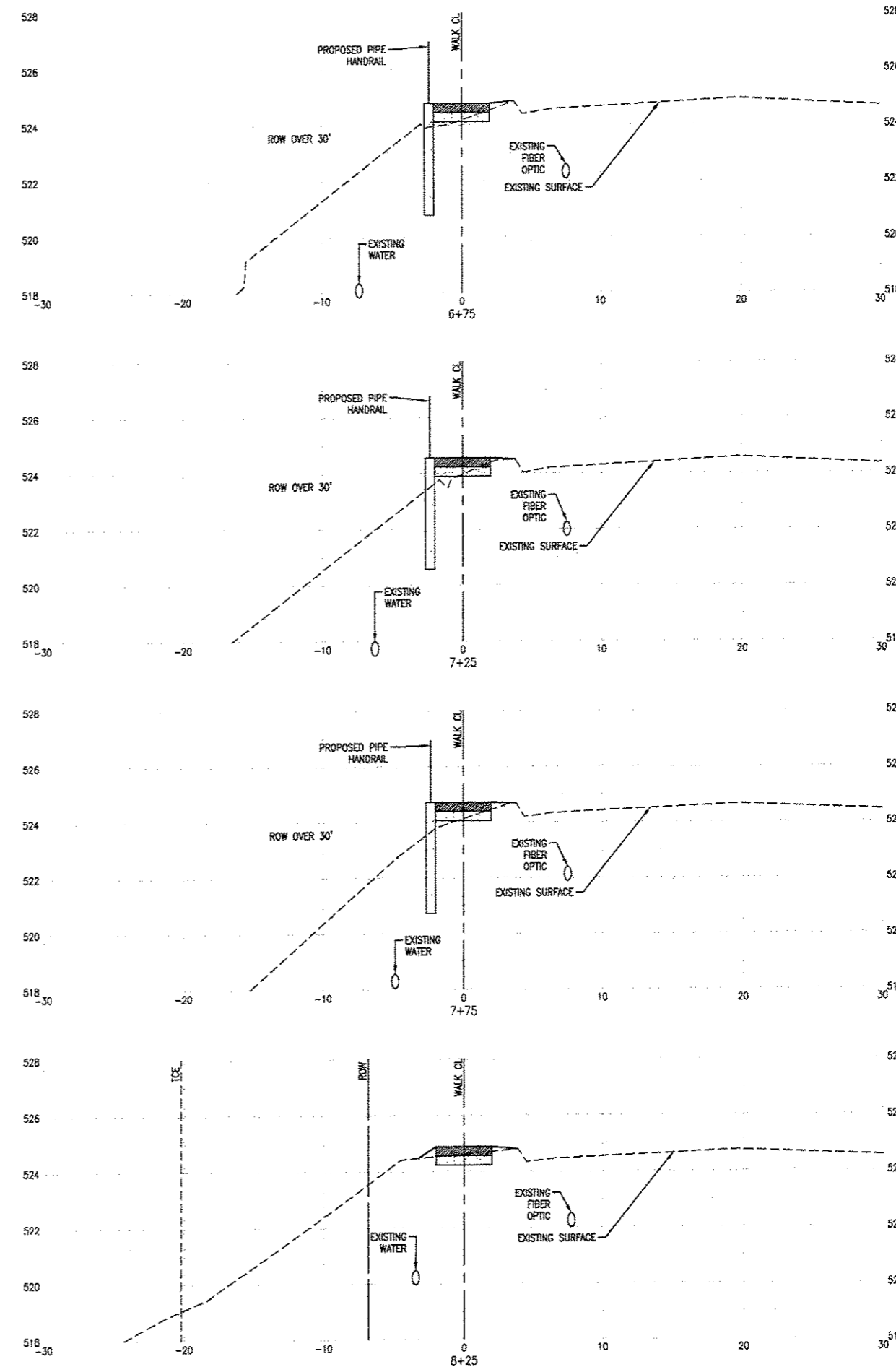
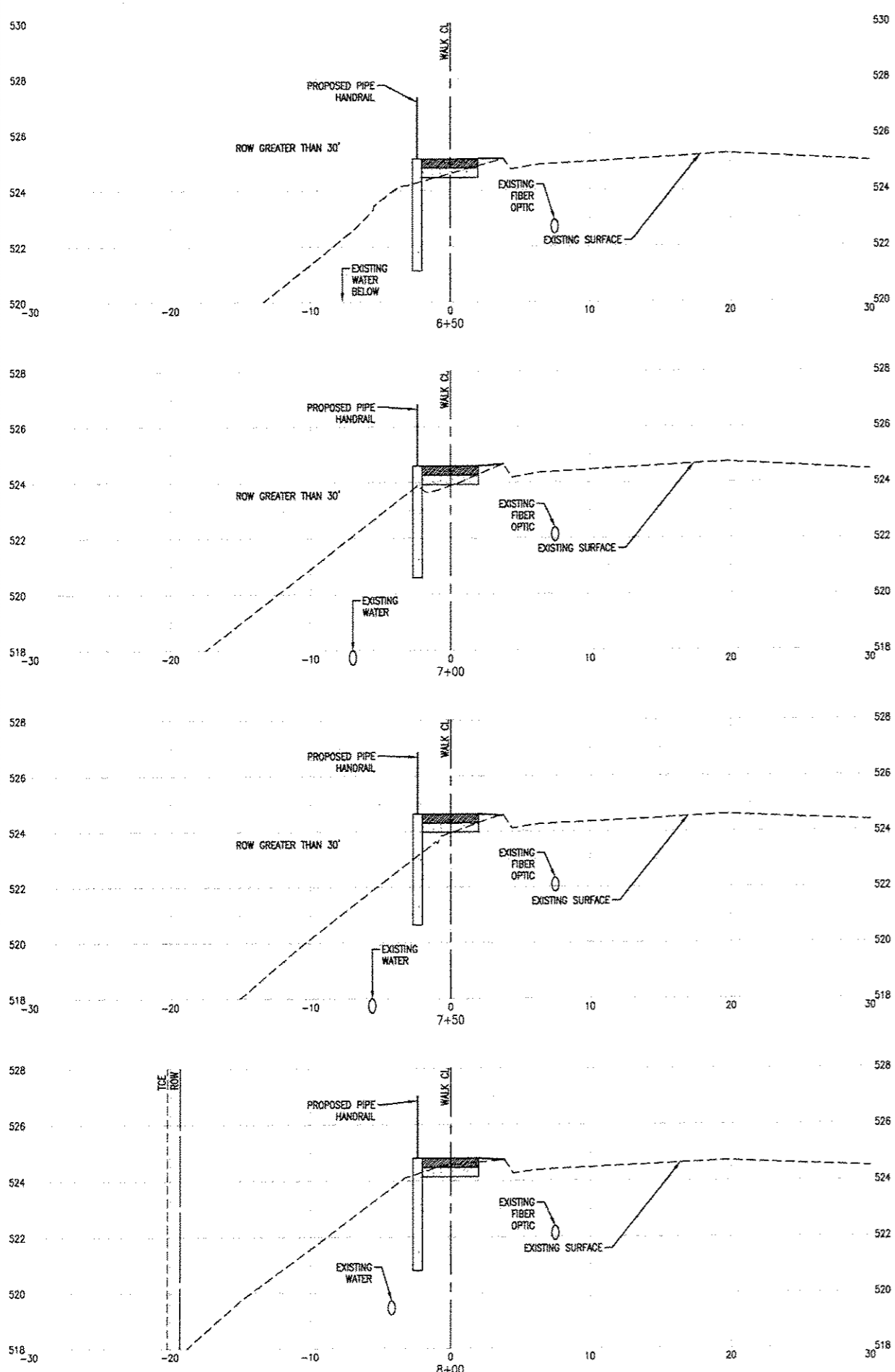
TITLE: SECTION 15-00036-04-SW CROSS SECTIONS  
 PROJECT: SEVEN HILLS ROAD SIDEWALK EXTENSION CITY OF FALLON ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	<b>15</b>
CHECKED BY:	OF 19 SHEETS
APPROVED BY: MJM	
PROJECT NUMBER: DO1150095	SEVEN HILLS SIDEWALK EXTENSION

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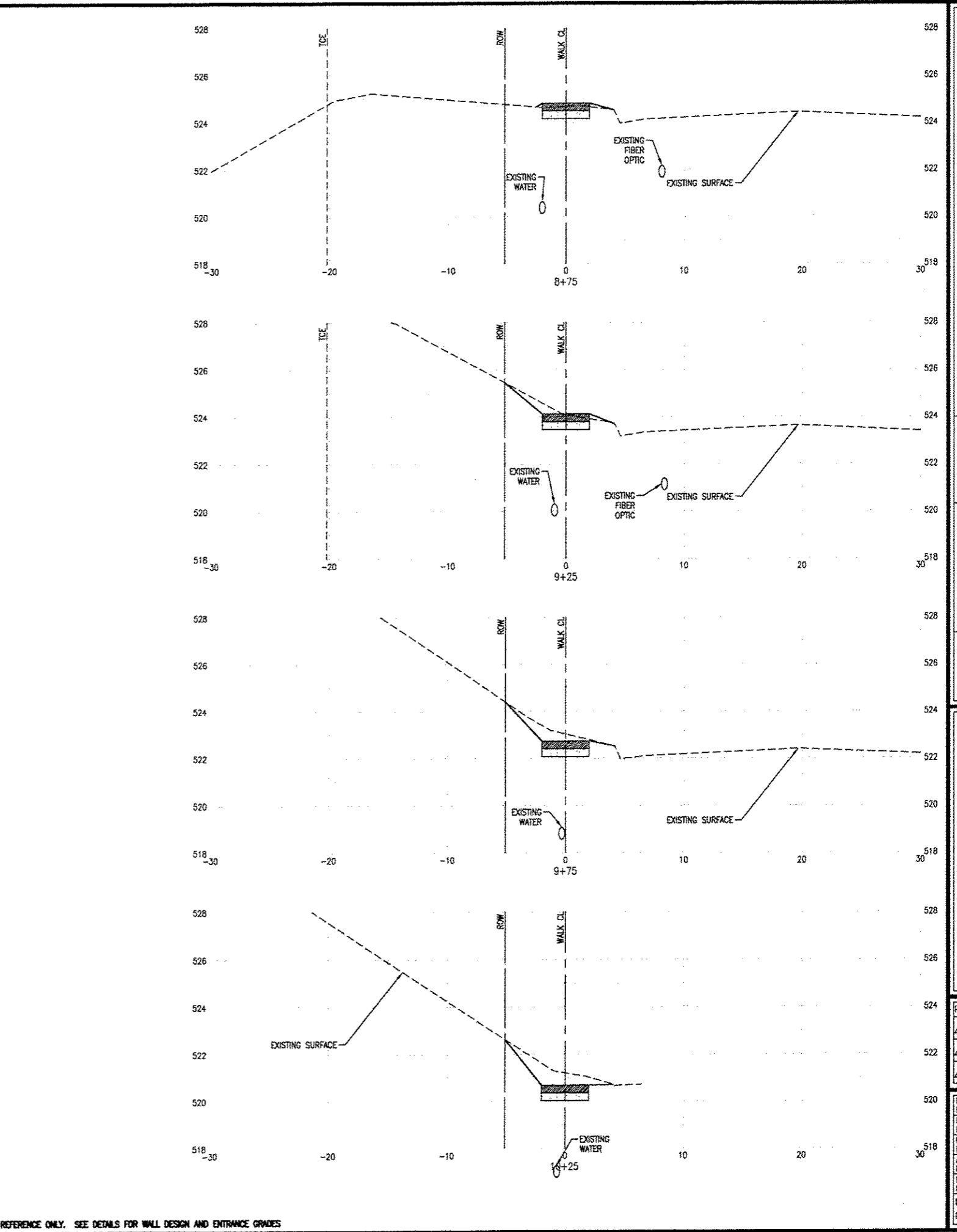
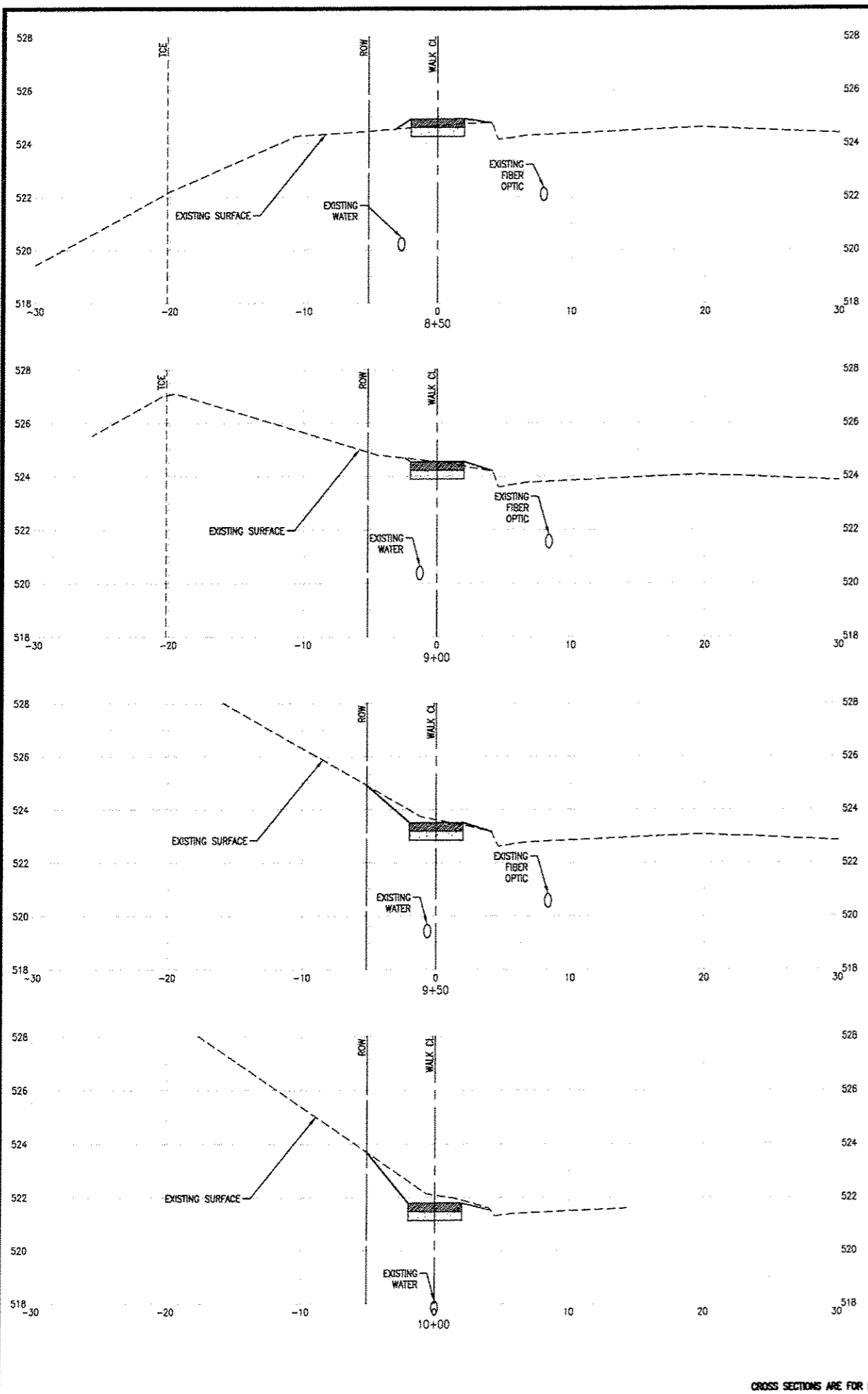
TITLE: SECTION 15-00036-04-SW CROSS SECTIONS

PROJECT: SEVEN HILLS ROAD SIDEWALK EXTENSION CITY OF FALLON ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: DAB	SHEET 16
DESIGNED BY: NTS	OF 19 SHEETS
CHECKED BY:	
APPROVED BY: MJM	SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: D01150095	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

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ILLINOIS PROF. LAND SURVEYING CORP.	046-000028
MISSOURI PROFESSIONAL ENGR. CORP.	HC 001328
MISSOURI LAND SURVEYING CORP.	HC 000346

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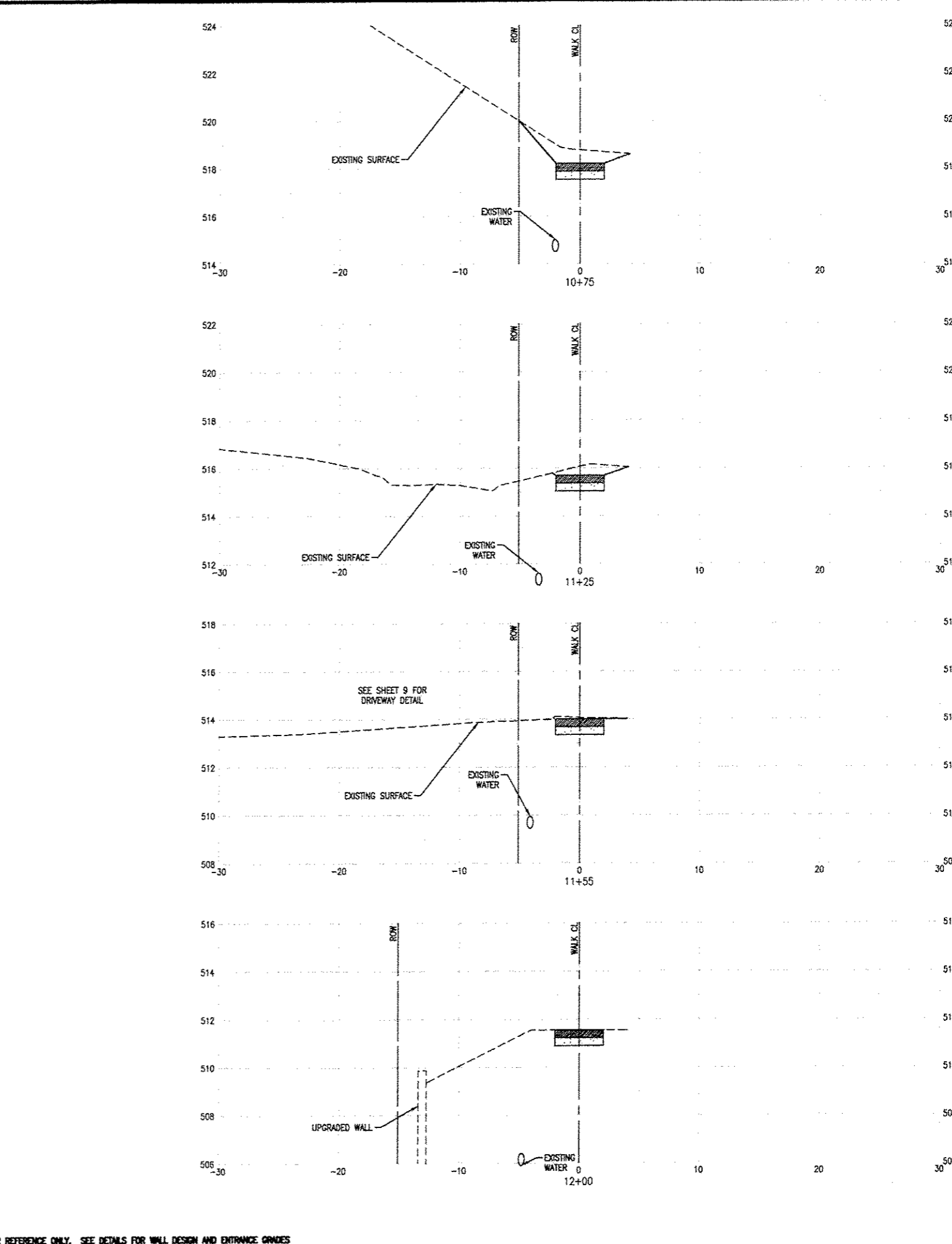
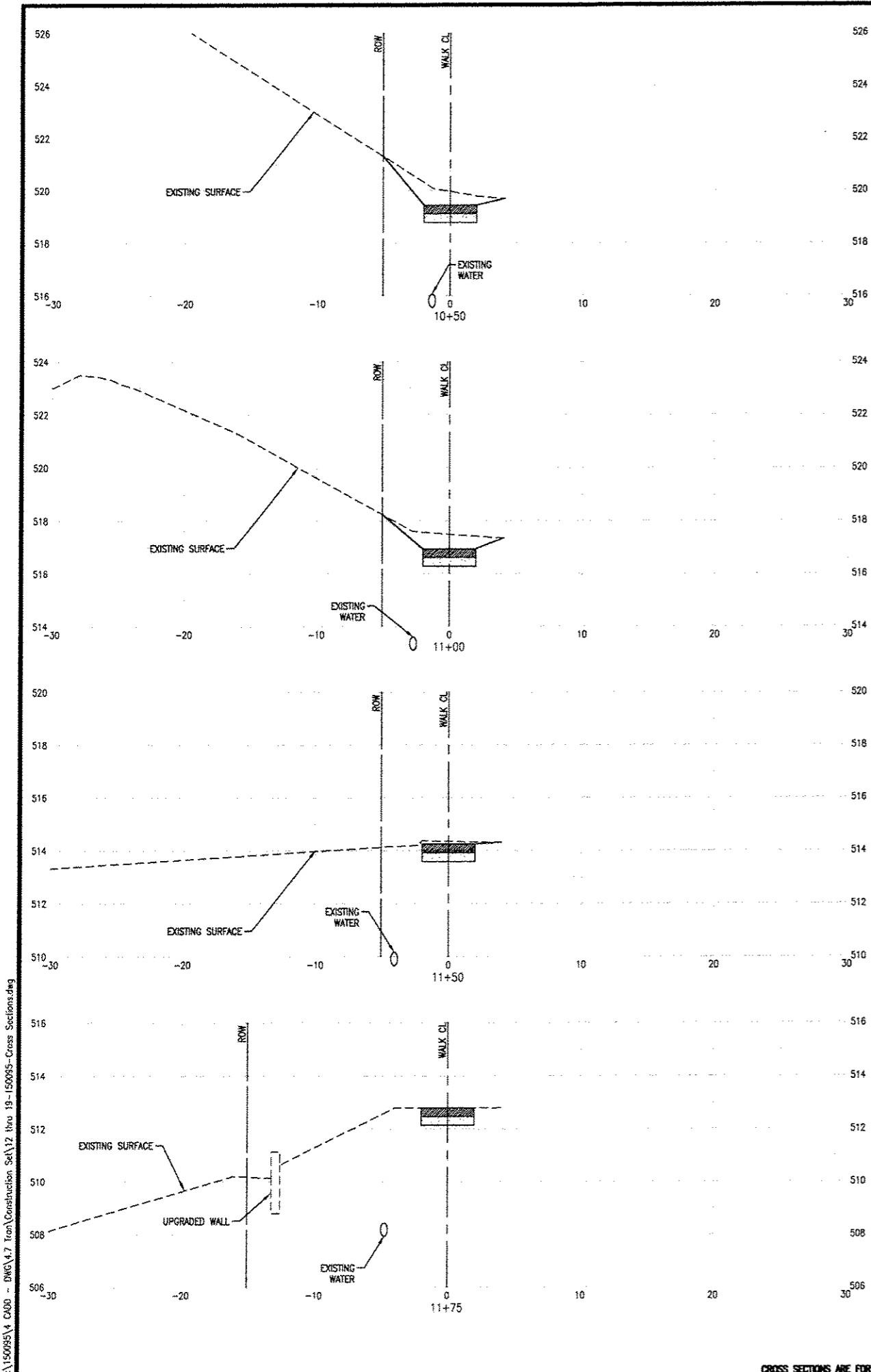
Signature: \_\_\_\_\_  
Signature Date: \_\_\_\_\_  
Expiration Date: \_\_\_\_\_

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**TITLE:** SECTION 15-00036-04-SW CROSS SECTIONS  
**PROJECT:** SEVEN HILLS ROAD SIDEWALK EXTENSION CITY OF FALLON ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
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DRAWN BY: DAB	SHEET 17
DESIGNED BY: NTS	OF 19 SHEETS
CHECKED BY:	
APPROVED BY: MJM	SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: D01150095	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING



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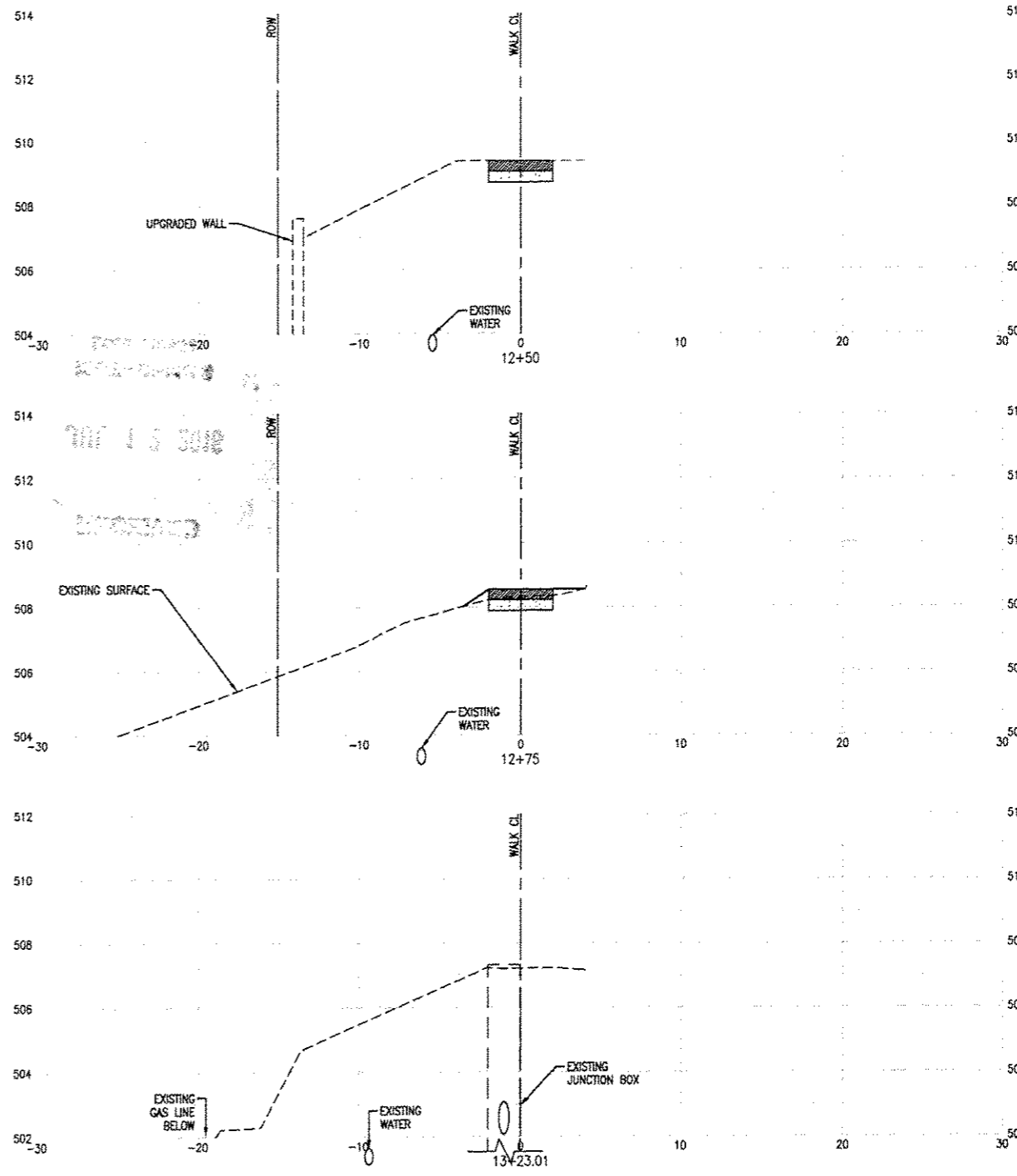
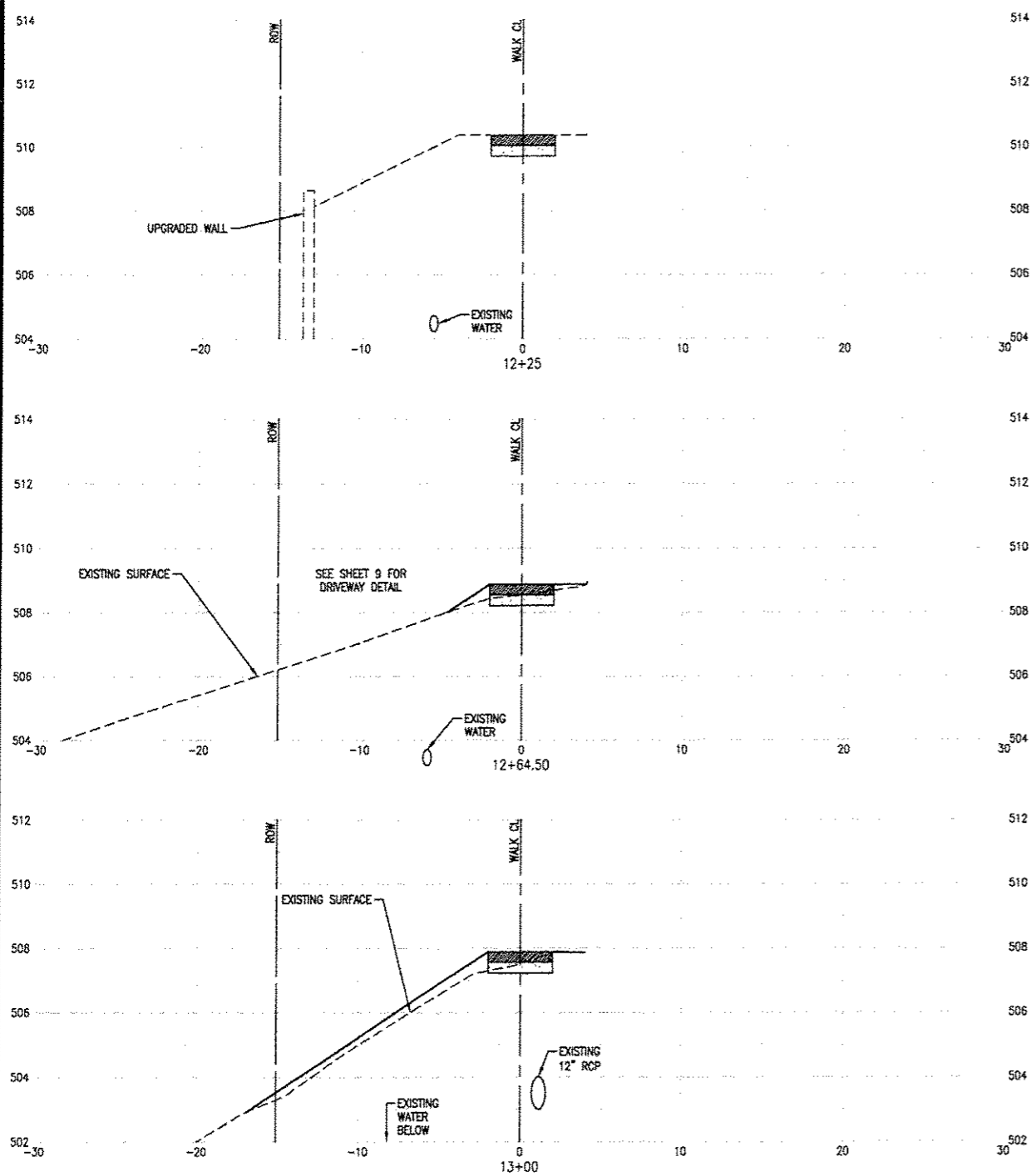
TITLE: <b>SECTION 15-00036-04-SW CROSS SECTIONS</b>	PROJECT: <b>SEVEN HILLS ROAD SIDEWALK EXTENSION CITY OF FALLON ST. CLAIR COUNTY, ILLINOIS</b>
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REV.	DATE	DESCRIPTION
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DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	<b>18</b>
CHECKED BY:	OF 19 SHEETS
APPROVED BY: MJM	
PROJECT NUMBER: D01150095	SEVEN HILLS SIDEWALK EXTENSION

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**SECTION 15-00036-04-SW CROSS SECTIONS**

**PROJECT:**  
SEVEN HILLS ROAD  
SIDEWALK EXTENSION  
CITY OF FALLON  
ST. CLAIR COUNTY, ILLINOIS

REV.	DATE	DESCRIPTION
△		
△		
△		

DRAWN BY: DAB	SHEET
DESIGNED BY: NTS	<b>19</b>
CHECKED BY:	OF 19 SHEETS
APPROVED BY: MJM	SEVEN HILLS SIDEWALK EXTENSION
PROJECT NUMBER: 001150095	
<input checked="" type="checkbox"/> ISSUED FOR REVIEW	<input type="checkbox"/> ISSUED FOR BIDDING
<input type="checkbox"/> ISSUED FOR CONSTR.	<input type="checkbox"/> RECORD DRAWING

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