

FOR UTILITY LOCATION PURPOSES, THIS PROJECT IS LOCATED IN SECTIONS 14 AND 15, TOWNSHIP 6 NORTH, RANGE 10 WEST OF THE THIRD PRINCIPAL MERIDIAN.

UTILITY INFORMATION CAN BE OBTAINED BY CALLING J.U.L.I.E. AT (800) 892-0123

THE FOLLOWING UTILITY COMPANIES HAVE FACILITIES WITHIN THE LIMITS OF THIS PROJECT:

ILLINOIS AMERICAN WATER CO. 4436 INDUSTRIAL DRIVE ALTON, ILLINOIS 62002 (618) 466-2131
 AT&T 203 GOETHE COLLINGSVILLE, ILLINOIS 62234 (618) 346-6422

AMEREN IP 700 OAKWOOD AVENUE ALTON, ILLINOIS 62002 (618) 463-4030 (ELECTRIC) (618) 463-4043 (GAS)
 GODFREY PUBLIC WORKS (SEWER) 6810 GODFREY ROAD GODFREY, ILLINOIS 62035 (618) 466-3334

CHARTER COMMUNICATIONS 508 NIAGARA AVENUE EAST ALTON, ILLINOIS 62024 (618) 779-5021

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 DIVISION OF HIGHWAYS
 FEDERAL AID HIGHWAY

CROSSTOWN ROAD - PHASE 1 A
 SECTION-04-00019-00-PV
 FAU ROUTE 8904
 PROJECT TCSP-HPP-3261(001)
 VILLAGE OF GODFREY, ILLINOIS
 MADISON COUNTY
 JOB C-98-316-06

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
*	MADISON	38	1

FEDERAL AID PROJECT
 * 04-00019-00-PV
 CONTRACT NO. 97476

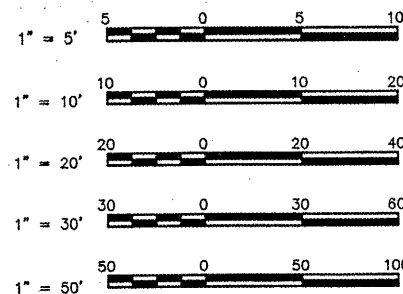
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HIGHWAY STANDARDS

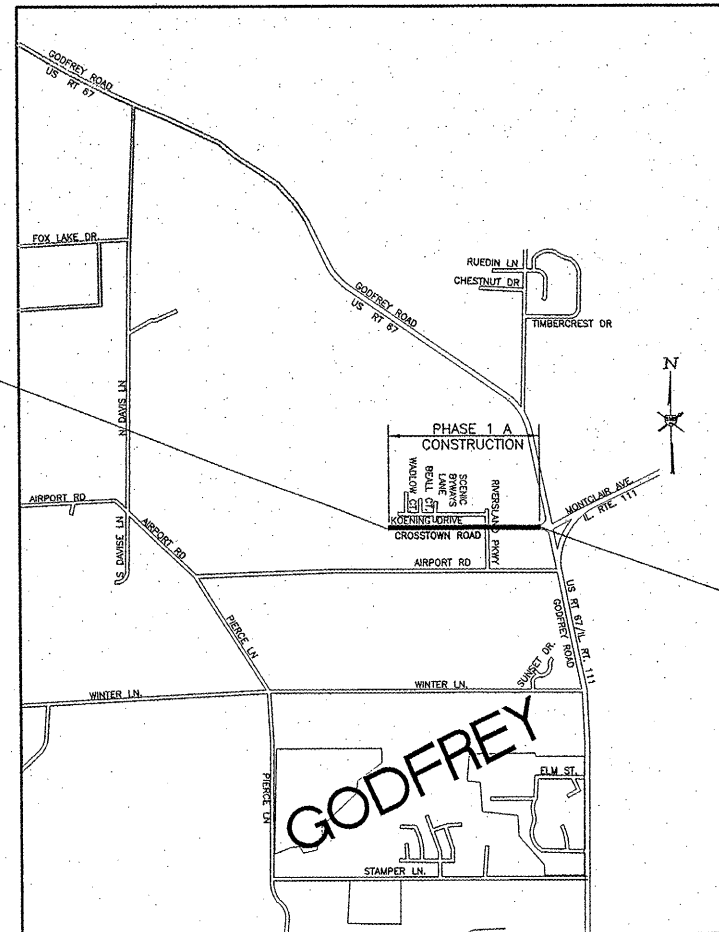
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420001-07	630301-05
420106-04	635006-03
420111-03	635011-02
424001-05	701006-03
542001-02	701011-02
542301-03	701301-04
542601-03	701501-06
602301-03	701502-04
602306-03	701901-01
602401-03	720001-01
602601-02	720006-02
602701-02	720011-01
604001-03	728001-01
604011-04	729001-01
604021-02	780001-02
604066-02	781001-03
606001-04	
606401-01	

SCALES

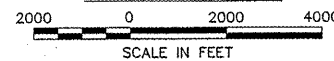


FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

FUNCTIONAL CLASSIFICATION: SUBURBAN MINOR ARTERIAL
 DESIGN SPEED = 45 M.P.H.

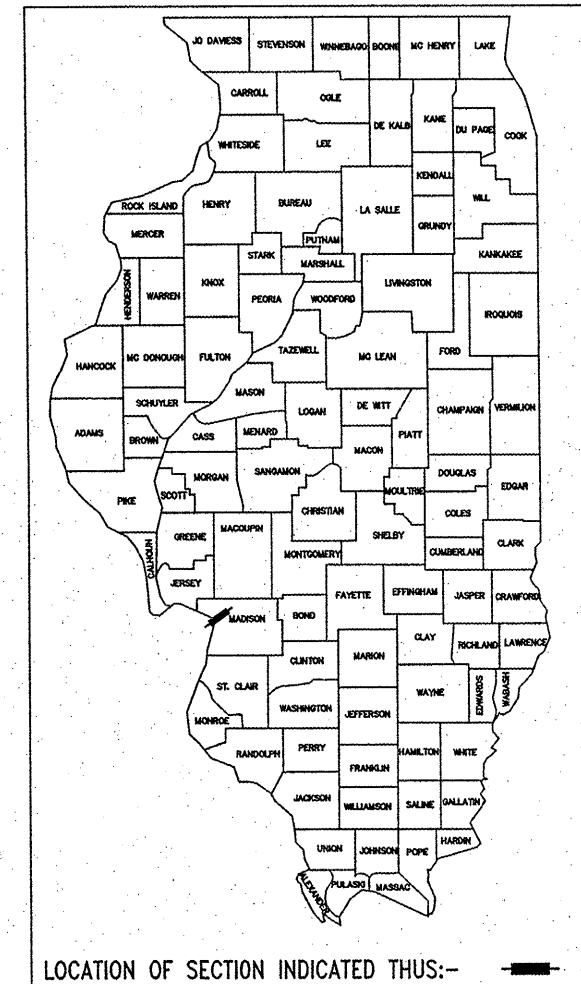


LOCATION MAP



LENGTH OF PROJECT = 3,050.00 FEET = 0.578 MILES

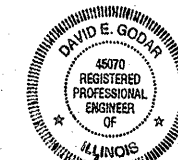
SMS ENGINEERS Sheppard Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS & LAND SURVEYORS
 216 Market Street Alton, Illinois 62002 P.O. Box 8 618/462-9755
 10 Central Industrial Dr Suite 3 Northgate Center Granite City, IL 62040 618/877-8700



LOCATION OF SECTION INDICATED THUS:-

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 APPROVED: *W. M. Lail* 6/30/11
 LOCAL AGENCY REPRESENTATIVE
 PASSED: *J. L. ...* 7-19/11
 DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS
 RELEASING FOR BID BASED ON LIMITED REVIEW: *Mary C. Lamie* 7-19/11
 MARY C. LAMIE, P.E.
 DEPUTY DIRECTOR OF HIGHWAYS
 REGION FIVE ENGINEER

PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS



David E. Godar

DATE SIGNED 6-30-2011
 EXPIRATION DATE 11-30-11

STANDARD SYMBOL LEGEND

STANDARD LINE TYPE LEGEND

GENERAL NOTES

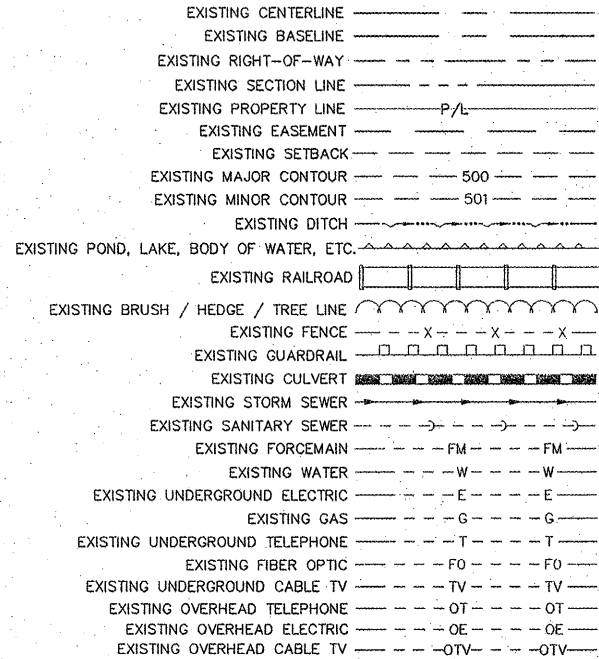
EXISTING

- EXISTING GUY POLE - -O-
- EXISTING LIGHT POLE - -X-
- EXISTING POWER POLE - -O-
- EXISTING TELEPHONE POLE - -O-
- EXISTING GUY WIRE - -←-
- EXISTING TRANSMISSION TOWER - □
- EXISTING ELECTRIC SPLICE BOX - □^E
- EXISTING TELEPHONE SPLICE BOX - □^Δ
- EXISTING CABLE SPLICE BOX - □^{TV}
- EXISTING WATER HYDRANT - ⚓
- EXISTING GAS METER - Ⓞ
- EXISTING WATER METER - Ⓞ
- EXISTING WATER VALVE - Ⓞ
- EXISTING GAS VALVE - Ⓞ
- EXISTING FIRE HYDRANT - Ⓞ^{FH}
- EXISTING SANITARY MANHOLE TOP - Ⓞ
- EXISTING STORM MANHOLE TOP - Ⓞ
- EXISTING TELEPHONE MANHOLE TOP - Ⓞ^T
- EXISTING SANITARY CLEAN OUT - Ⓞ
- CONTROL POINT - Δ^{XXX}
- BENCHMARK - B.M.
- TEST PIT / NUMBER - T.P.# X
- BORING / NUMBER - B.# X
- RIGHT-OF-WAY MARKER - Ⓞ^{MON}
- AXLE FOUND - Ⓞ^{AXLE}
- BOLT FOUND - Ⓞ^{BOLT}
- CHISELED "X" FOUND - X
- PIN FOUND - Ⓞ^{IP}
- PINCH PIPE FOUND - Ⓞ^{IP}
- PK NAIL FOUND - Ⓞ^{PK}
- RAILROAD SPIKE FOUND - Ⓞ^{RR}
- STONE FOUND - Ⓞ^{STONE}
- BRASS MONUMENT FOUND - Ⓞ^{MON}
- IRON PIPE FOUND - Ⓞ^{IP}
- MONUMENT FOUND - Ⓞ^{MON}
- REBAR FOUND - Ⓞ^{RBR}
- EXISTING MAILBOX - P
- EXISTING FENCE POST - ⊕
- EXISTING GATE POST - ⊕
- EXISTING FLAG POLE - ⊕
- EXISTING GUARD POST - ⊕^{GP}
- EXISTING ADVERTISING SIGN - ⊕
- EXISTING TRAFFIC SIGN - ⊕
- EXISTING PARKING METER - ⊕
- EXISTING RAILROAD MILE POST - ⊕^{MP}
- EXISTING RAILROAD SIGNAL CONTROLLER - ⊕
- EXISTING RAILROAD CROSSING GATE - ⊕
- EXISTING TRAFFIC SIGNAL - ⊕
- EXISTING TRAFFIC SIGNAL CONTROLLER - ⊕
- EXISTING HANDHOLE - ⊕
- EXISTING DOUBLE HANDHOLE - ⊕
- EXISTING MAST ARM BASE - ⊕
- EXISTING DECIDUOUS TREE / SIZE - ⊕^{XX"}
- EXISTING EVERGREEN TREE / SIZE - ⊕^{XX"}
- EXISTING STUMP / SIZE - ⊕^{XX"}
- EXISTING BUSH - ⊕
- EXISTING SHRUB - ⊕
- EXISTING TREE TO BE REMOVED - ⊕^{XX"}

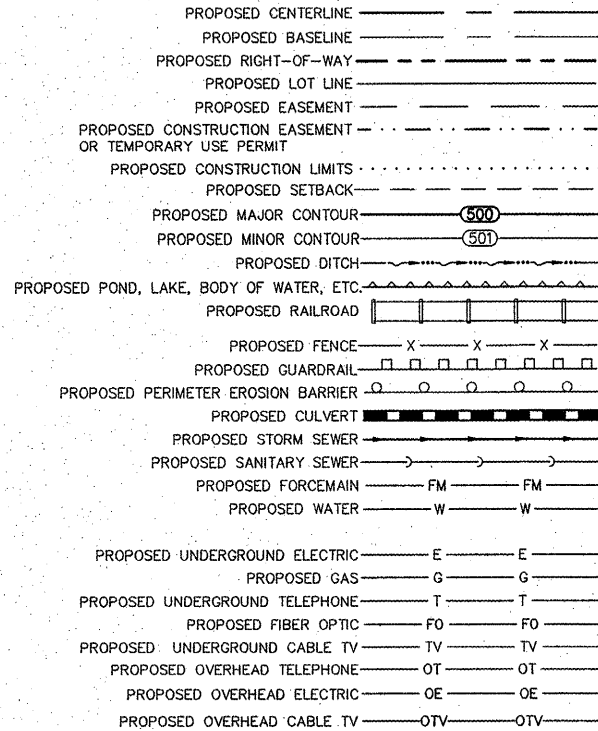
PROPOSED

- PROPOSED GUY POLE - -O-
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- PROPOSED TELEPHONE MANHOLE TOP - Ⓞ^T
- PROPOSED SANITARY CLEAN OUT - Ⓞ
- PROPOSED MAILBOX - P
- PROPOSED GUARD POST - GP
- PROPOSED ADVERTISING SIGN - ⊕
- PROPOSED TRAFFIC SIGN - ⊕
- PROPOSED RAILROAD MILE POST - MP
- PROPOSED RAILROAD SIGNAL CONTROLLER - ⊕
- PROPOSED RAILROAD CROSSING GATE - ⊕
- PROPOSED TRAFFIC SIGNAL - ⊕
- PROPOSED TRAFFIC SIGNAL CONTROLLER - ⊕
- PROPOSED HANDHOLE - ⊕
- PROPOSED DOUBLE HANDHOLE - ⊕
- PROPOSED MAST ARM BASE - ⊕
- PROPOSED DECIDUOUS TREE / SIZE - ⊕^{XX"}
- PROPOSED EVERGREEN TREE / SIZE - ⊕^{XX"}
- PROPOSED BUSH - ⊕
- PROPOSED PLANT - *
- PROPOSED EDGE OF PAVEMENT ELEVATION - + 512.00 EP
- PROPOSED PAVEMENT ELEVATION - + 505.50 P
- PROPOSED CURB ELEVATION - + 550.25 TC
- PROPOSED SIDEWALK ELEVATION - + 515.15 SW
- PROPOSED FLOWLINE ELEVATION - + 501.58 FL

EXISTING FEATURES



PROPOSED FEATURES



ABBREVIATIONS

ADT	AVERAGE DAILY TRAFFIC	OL	OPEN LID
BK	BACK	PC	POINT OF CURVE
BM	BENCH MARK	PE	PRIVATE ENTRANCE
BVCE	BEGIN VERTICAL CURVE ELEVATION	PI	POINT OF INTERSECTION
BVCS	BEGIN VERTICAL CURVE STATION	PK	PK NAIL
C&G	CURB AND GUTTER	PP	POWER POLE
C/L	CENTER LINE	PRCF	PRECAST REINFORCED CONCRETE FLARED
CE	COMMERCIAL ENTRANCE	PT	POINT OF TANGENT
CI	CAST IRON	PVC	POINT OF VERTICAL CURVE
CL	CLOSED LID	R	RADIUS
CM	CONCRETE MONUMENT	RBR	REBAR
CMP	CORRUGATED METAL PIPE	RDMH	RESTRICTED DEPTH MANHOLE
CONC	CONCRETE	ROW	RIGHT OF WAY
CT	CRIMP TOP PIPE	RR	RAIL ROAD
CU YD	CUBIC YARD	RRPM	RAISED REFLECTIVE PAVEMENT MARKER
DE	DRAINAGE EASEMENT	RT	RIGHT
DIP	DUCTILE IRON PIPE	S	SOUTH
E	EAST	SE	SOUTHEAST
ELEV	ELEVATION	SL	SECTION LINE
EP	EDGE OF PAVEMENT	SS1	STORM SEWER TYPE 1
EQN STA	EQUATION STATION	SS2	STORM SEWER TYPE 2
ES	EDGE OF SHOULDER	SS3	STORM SEWER TYPE 3
FE	FIELD ENTRANCE	STA	STATION
FH	FIRE HYDRANT	SW	SOUTHWEST
FL	FLOW LINE	TB	TRENCH BACKFILL
FT	FOOT	TBR	TO BE REMOVED
FWD	FORWARD	TC	TOP OF CURB
GP	GUARD POST	TCE	TEMPORARY CONSTRUCTION EASEMENT
HDPE	HIGH DENSITY POLYETHYLENE	TPM	TEMPORAY PAVEMENT MARKING
HMA	HOT-MIX ASPHALT	TPPM	THERMOPLASTIC PAVEMENT MARKING
IP	IRON PIPE	TUP	TEMPORARY USE PERMIT
LT	LEFT	TY	TYPE
MON	MONUMENT	TY	TYPE
MP	MILE PIPE	TY	TYPICAL
N	NORTH	VC	VERTICAL CURVE
NE	NORTHEAST	VCP	VITRIFIED CLAY PIPE
NW	NORTHWEST	W	WEST
O&C	OIL AND CHIP	WMA	WATER MAIN QUALITY

1. THIS PROJECT SHALL BE CONSTRUCTED ACCORDING TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED JANUARY 1, 2007 AND THE SPECIAL PROVISIONS OF THE PROJECT CONTRACT.
2. THE PLANS SHOW THE APPROXIMATE LOCATION OF KNOWN UTILITIES, BUT DO NOT SHOW HOUSE OR SERVICE CONNECTIONS. UTILITY INFORMATION PROVIDED IS BASED ON INFORMATION OBTAINED FROM UTILITY COMPANIES AND SHALL NOT BE CONSIDERED TO BE ACCURATE OR COMPLETE. THE CONTRACTOR SHALL USE ALL DUE PRECAUTION NOT TO DAMAGE OR DISTURB ANY UTILITIES AND THE ENTIRE COST OF MAKING REPAIRS TO, OR REPLACEMENT OF, ANY DAMAGED LINE WILL BE THE RESPONSIBILITY OF THE CONTRACTOR.
3. PROPOSED ELEVATIONS SHOWN ON THE PLANS AS +/- ARE APPROXIMATE. EXACT ELEVATIONS SHALL BE DETERMINED BY THE ENGINEER IN THE FIELD. IF APPLICABLE, ELEVATIONS SHALL BE DETERMINED PRIOR TO FABRICATION OF THE DRAINAGE STRUCTURES.
4. FOR SIMPLICITY, STORM SEWER LENGTHS SHOWN ON THE PLANS ARE FROM CENTER TO CENTER OF STRUCTURES. ACTUAL PIPE REQUIRED WILL BE LESS. MEASUREMENT FOR PAYMENT PURPOSES SHALL BE ACCORDING TO ARTICLE 550.09 OF THE STANDARD SPECIFICATIONS.
5. THE OFFSETS FOR ALL ROUND INLETS AND MANHOLES ARE GIVEN TO THE CENTER OF THE OPENING REQUIRED FOR THE FRAME AND GRATE OR LID THAT IS SPECIFIED. THE OFFSETS FOR ALL SQUARE BOX INLETS AND SQUARE FLUSH INLETS ARE GIVEN TO THE CENTER OF THE BASE OF THE STRUCTURE. OFFSETS FOR ALL CONCRETE FLARED END SECTIONS ARE GIVEN TO THE CENTER OF THE END OF THE END SECTION.
6. SEE TYPICAL SECTION SHEETS FOR TYPICAL SECTION NOTES.
7. SEE EROSION CONTROL PLAN FOR EROSION CONTROL NOTES.
8. SEE TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL NOTES.
9. THE CONTRACTOR SHALL EXERCISE CARE IN THE TREE REMOVAL OPERATIONS AND TAKE WHATEVER PRECAUTIONS NECESSARY TO REMOVE ONLY THOSE TREES TO THE CONSTRUCTION OF THIS PROJECT AS INDICATED BY THE ENGINEER, ALL OTHER TREES SHALL REMAIN UNDAMAGED.
10. IF ASH TREES ARE REMOVED ON THE PROJECT, THE CONTRACTOR SHALL BECOME FAMILIAR WITH AND COMPLY WITH MEASURES SPECIFIED BY THE ILLINOIS DEPARTMENT OF AGRICULTURE (IDOA) TO PREVENT THE SPREAD OF THE EMERALD ASH BORER. THE IDOA INFORMATION FOR ASH TREE REMOVAL CAN BE FOUND ON THE IDOA WEBSITE AT WWW.AGR.STATE.IL.US/EAB
11. IF A PROTECTIVE COAT IS APPLIED TO THE PAVEMENT, IT SHALL ALSO BE APPLIED TO ALL GUTTER FLAGS, FACE OF CURB AND MEDIAN SURFACES.
12. STORM SEWER: WATER MAIN QUALITY PIPE SHALL BE USED AT LOCATIONS WHERE LATERAL SEPARATION BETWEEN THE SEWER AND WATER MAIN IS LESS THAN 10 FT. AND THE WATER MAIN INVERT IS LESS THAN 1.5 FT ABOVE THE STORM SEWER CROWN.
13. CONCURRENTLY WITH THIS PROJECT, IDOT IS CONSTRUCTING TRAFFIC SIGNALS AND OTHER IMPROVEMENTS AT THE INTERSECTION OF CROSSTOWN ROAD WITH GODFREY ROAD. TRAFFIC SIGNAL COMPONENTS FOR ADVANCED DETECTOR LOOPS AS SHOWN IN THE PLANS WILL BE CONSTRUCTED BY OTHERS. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS ACCORDING TO ARTICLE 105.08 OF THE STANDARD SPECIFICATIONS SUCH THAT BOTH PROJECTS CAN PROCEED IN A TIMELY MANNER.

COMMITMENTS

NONE AT THIS TIME.

REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618/462-5755 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Granite City, IL 62040 618/877-4700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 GENERAL NOTES AND LEGENDS

DWG. NO.	PHS 1-DETAILS GEN NOTES.dwg
REF. BK.	PG.
JOB NO.	237334
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	APRIL, 2011
SCALE:	1" = 20' H. 1" = 5' V.
SHEET	2 OF 38

SUMMARY OF QUANTITIES

CONTRACT NO. 97476

CONSTRUCTION TYPE CODE		0001	
CODE NO.	ITEM	UNIT	TOTAL QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	36
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	20
20200100	EARTH EXCAVATION	CU YD	12,280
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	200
20800150	TRENCH BACKFILL	CU YD	1,860
25000115	SEEDING, CLASS 1B	ACRE	3.9
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	351
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	351
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	351
25000700	AGRICULTURAL GROUND LIMESTONE	TON	7.8
25100115	MULCH, METHOD 2	ACRE	3.9
25100630	EROSION CONTROL BLANKET	SQ YD	694
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	390
28000305	TEMPORARY DITCH CHECKS	FOOT	55
28000400	PERIMETER EROSION BARRIER	FOOT	4,742
28000500	INLET AND PIPE PROTECTION	EACH	50
28100205	STONE RIPRAP, CLASS A3	TON	21
28100207	STONE RIPRAP, CLASS A4	TON	418
28200200	FILTER FABRIC	SQ YD	732
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	15,266
30201500	LIME	TON	222
30201700	PORTLAND CEMENT	TON	282
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	15,266
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	400
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	177
42001300	PROTECTIVE COAT	SQ YD	15,182
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	812.3
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	14,537
42400800	DETECTABLE WARNINGS	SQ FT	40
44000100	PAVEMENT REMOVAL	SQ YD	473
54210189	PIPE ELBOW, 24"	EACH	1
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2
54213669	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 24"	EACH	1
54213672	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 27"	EACH	1
54215410	CAST-IN-PLACE REINFORCED CONCRETE END SECTIONS 10"	EACH	2
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	948
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	165
550A0090	STORM SEWERS, CLASS A, TYPE 1 18"	FOOT	55
550A0120	STORM SEWERS, CLASS A, TYPE 1 24"	FOOT	80
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	113
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	371
550A0380	STORM SEWERS, CLASS A, TYPE 2 18"	FOOT	453
550A0400	STORM SEWERS, CLASS A, TYPE 2 21"	FOOT	400
550A0410	STORM SEWERS, CLASS A, TYPE 2 24"	FOOT	764
550B0330	STORM SEWERS, CLASS B, TYPE 2 10"	FOOT	40
60218400	MANHOLES, TYPE A, 4' DIAMETER, TYPE 1 FRAME, CLOSED LID	EACH	2
60219570	MANHOLES, TYPE A, 4' DIAMETER, TYPE 3V, FRAME AND GRATE	EACH	2
60222270	MANHOLES, TYPE A, 5' DIAMETER, TYPE 3V, FRAME AND GRATE	EACH	7
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1
60255500	MANHOLES TO BE ADJUSTED	EACH	3
60262700	INLETS TO BE RECONSTRUCTED	EACH	1
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6-24	FOOT	6,226
60615400	PAVED DITCH, TYPE A-15	FOOT	172
63000001	STEEL PLATE BEAM GUARD RAIL, TYPE A, 6 FOOT POSTS	FOOT	175
63100169	TRAFFIC BARRIER TERMINAL, TYPE 1 (SPECIAL) FLARED	EACH	1
67000400	ENGINEER'S FIELD OFFICE, TYPE A	CAL MO	13
67100100	MOBILIZATION	L SUM	1
70300100	SHORT-TERM PAVEMENT MARKING	FOOT	110
70300210	TEMPORARY PAVEMENT MARKING - LETTERS AND SYMBOLS	SQ FT	452.4
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	8,059
70300240	TEMPORARY PAVEMENT MARKING - LINE 6"	FOOT	190
70300250	TEMPORARY PAVEMENT MARKING - LINE 8"	FOOT	273
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	217
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	60
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	3,763
72000100	SIGN PANEL - TYPE 1	SQ FT	113
72000200	SIGN PANEL - TYPE 2	SQ FT	10
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	66
72900200	METAL POST - TYPE B	FOOT	174
78008200	POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS AND SYMBOLS	SQ FT	452.4
78008210	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 4"	FOOT	8,059
78008230	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 6"	FOOT	190
78008240	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 8"	FOOT	273
78008250	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 12"	FOOT	217
78008270	POLYUREA PAVEMENT MARKING TYPE 1 - LINE 24"	FOOT	60
78100100	RAISED REFLECTIVE PAVEMENT MARKER	EACH	163
78200300	PRISMATIC CURB REFLECTOR	EACH	12
78200410	GUARDRAIL MARKERS, TYPE A	EACH	5
78201000	TERMINAL MARKER - DIRECT APPLIED	EACH	1
20036200	PAINT CURB	FOOT	64
20056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	30
20056672	STORM SEWERS, TYPE 2, WATER MAIN QUALITY PIPE, 24"	FOOT	185
LR420029	PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL)	SQ YD	13,132
XX008455	INLET BOX, SPECIAL	EACH	4
X0322917	PROPOSED STORM SEWER CONNECTION TO EXISTING MANHOLE	EACH	1
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	15
X6020075	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH	16
X7010216	TRAFFIC CONTROL AND PROTECTION (SPECIAL)	L SUM	1
20076690	TRAINERS	HOUR	500

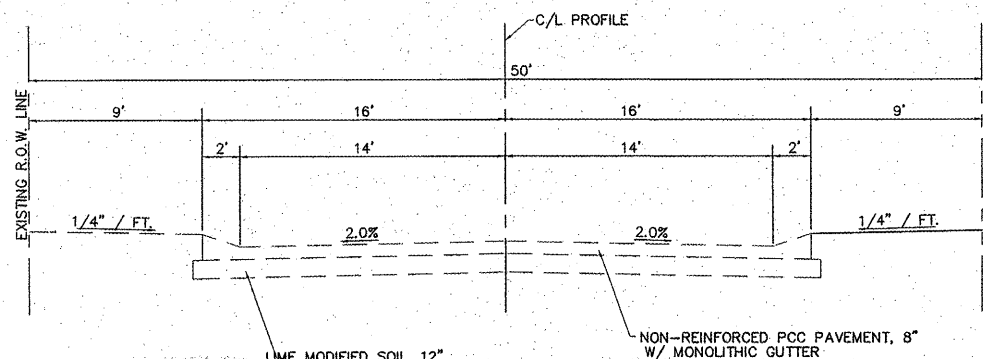
* SPECIALTY ITEMS
A 0042

SURVEY CONTROL POINTS				
VERTICAL CONTROL				
CONTROL POINT	LOCATION	ELEVATION	DESCRIPTION	
BM "A"	STA. 227+51.73, 40.14' LT.	618.30	R.R. SPIKE P.P.	
BM "B"	STA. 213+39.35, 110.03' LT.	611.52	TOP FIRE HYDRANT	
BM "C"	STA. 180+21.20, 167.37' RT.	596.86	R.R. SPIKE P.P.	
BM "D"	STA. 148+73.15, 888.54' RT.	599.43	R.R. SPIKE P.P.	
HORIZONTAL CONTROL				
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #125	838,236.3970	2,288,914.8280	617.80*	REBAR
CP #126	838,235.0520	2,288,226.0110	615.26*	PINCH PIPE
CP #127	838,161.9770	2,287,865.6970	612.16*	REBAR
CP #128	838,163.5130	2,287,555.5510	612.21*	REBAR
CP #129	838,169.1000	2,286,431.7270	605.07*	REBAR
CP #130	838,172.9640	2,285,656.3490	595.11*	X
CP #153	838,211.7990	2,288,900.7520	616.96*	X
CP #154	838,165.9480	2,287,055.5890	609.56*	REBAR FND.
CP #155	838,176.6020	2,286,511.5990	605.61*	REBAR W/CAP SET
CP #156	838,273.9080	2,286,036.1990	600.79*	REBAR W/CAP
CP #157	838,279.4280	2,285,665.5520	595.84*	X
CP #158	838,172.5720	2,285,232.6840	598.06*	REBAR W/CAP
CP #159	838,158.9640	2,284,726.7480	594.22*	REBAR W/CAP
CP #160	838,156.7410	2,284,296.4910	595.02*	REBAR W/CAP
CP #161	838,147.5480	2,283,922.6100	594.47*	X
CP #162	838,135.1560	2,283,410.8730	592.55*	X
CP #164	838,124.7180	2,288,883.6800	620.69*	REBAR W/CAP
CP #165	838,056.1680	2,288,651.9890	619.24*	REBAR W/CAP
CP #166	838,163.6310	2,288,323.3030	615.41*	REBAR W/CAP
CP #167	837,301.0390	2,283,846.4830	591.60*	X
CP #168	837,286.2880	2,282,896.6520	586.45*	X
CP #169	837,248.0530	2,282,102.1570	596.60*	X
CP #170	837,165.2980	2,281,250.4540	608.43*	X
CP #171	836,509.9480	2,281,648.3930	604.20*	REBAR W/CAP
CP #172	837,538.9110	2,280,862.9090	613.71*	REBAR W/CAP
CP #173	837,841.9880	2,281,689.0820	603.01*	X
CP #174	837,985.7840	2,282,246.9700	596.96*	X
CP #175	837,288.8600	2,283,019.9230	585.88*	X
CP #5476	837,928.0380	2,289,085.7070	611.32*	REBAR W/CAP
CP #5950	837,928.0334	2,289,085.7098	611.32*	X
CP #12530	838,341.2320	2,288,285.6060	614.17*	HUB & TAC SET
CP #12802	838,549.6100	2,288,836.8460	618.40*	PK NAIL SET
CP #12822	838,540.1550	2,289,092.1130	616.34*	HUB & TAC SET

* ELEVATIONS SHOULD BE CHECKED FROM A BENCHMARK.

EARTHWORK SCHEDULE					
LOCATION	EARTH EXCAVATION (CU) (CU. YD.)	EARTH EXCAVATION ADJUSTED FOR SHRINKAGE * (CU. YD.)	EMBANKMENT (FILL) (CU. YD.)	EARTHWORK BALANCE WASTE (+) OR SHORTAGE (-) (CU. YD.)	FURNISHED EXCAVATION (CU. YD.)
STA. 193+55 TO STA. 201+84.99	3,060	2,295	1,550	745	
STA. 201+84.99 TO STA. 213+08.47	3,159	2,369	964	1,405	
STA. 213+08.47 TO STA. 225+50	6,061	4,546	358	4,188	
TOTAL :	12,280	9,210	2,872	6,338	0

* ASSUME SHRINKAGE FACTOR = 25%



EXISTING TYPICAL SECTION
SIDE ROADS
SCENIC BYWAYS LANE STA. 5+78
RIVERSLAND PARKWAY (SOUTH) STA. 4+47 TO STA. 5+80

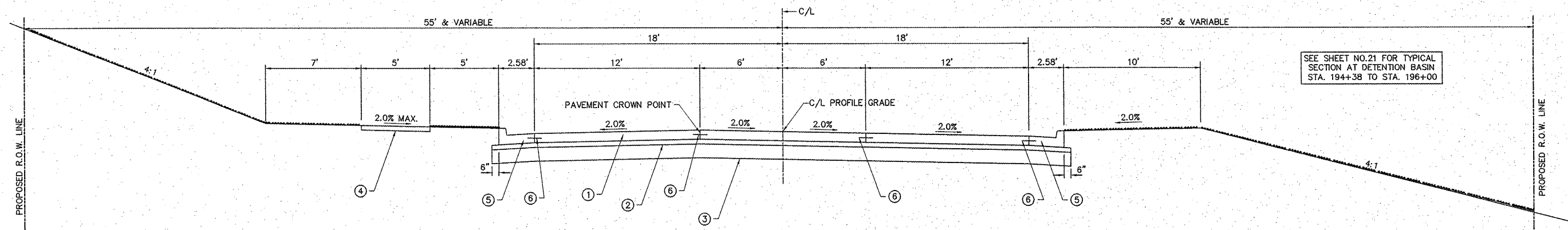
REVISIONS

Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618462-2755 E-mail: mail@smgsinc.com
10 Central Industrial Drive, Granite City, IL 62040 618877-8700 E-mail: mail@smgsinc.com
DESIGN FIRM # 184-008982



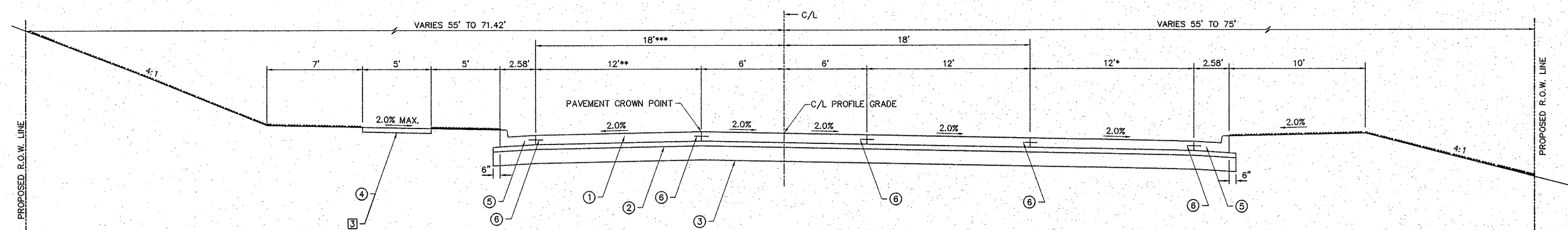
VILLAGE OF GODFREY, ILLINOIS
SECTION 04-00019-00-PV
CROSSTOWN ROAD - PHASE 1 A
SUMMARY OF QUANTITIES, SURVEY CONTROL DATA
& EXISTING TYPICAL SECTIONS

DWG. NO.
SUM QUAN, GEN NOTES.dwg
REF. BK. -- PG. --
JOB NO. 237334
DSN. BY: DEG
DWN. BY: CAD
CHK. BY: DEG
DATE: APRIL, 2011
SCALE: AS SHOWN
SHEET 3 OF 38



SEE SHEET NO.21 FOR TYPICAL SECTION AT DETENTION BASIN STA. 194+38 TO STA. 196+00

**PROPOSED TYPICAL SECTION
CROSSTOWN ROAD
STA. 195+00 TO STA. 222+40.42**



**PROPOSED TYPICAL SECTION
CROSSTOWN ROAD
STA. 222+40.42 TO STA. 225+50**

* VARIES FROM 0' AT STA. 222+40.42 TO 12' AT STA. 224+40.42
 ** VARIES FROM 12' AT STA. 224+80.08 TO 15.42' AT STA. 225+50
 *** VARIES FROM 18' AT STA. 224+80.08 TO 21.42' AT STA. 225+50

PAVING LEGEND

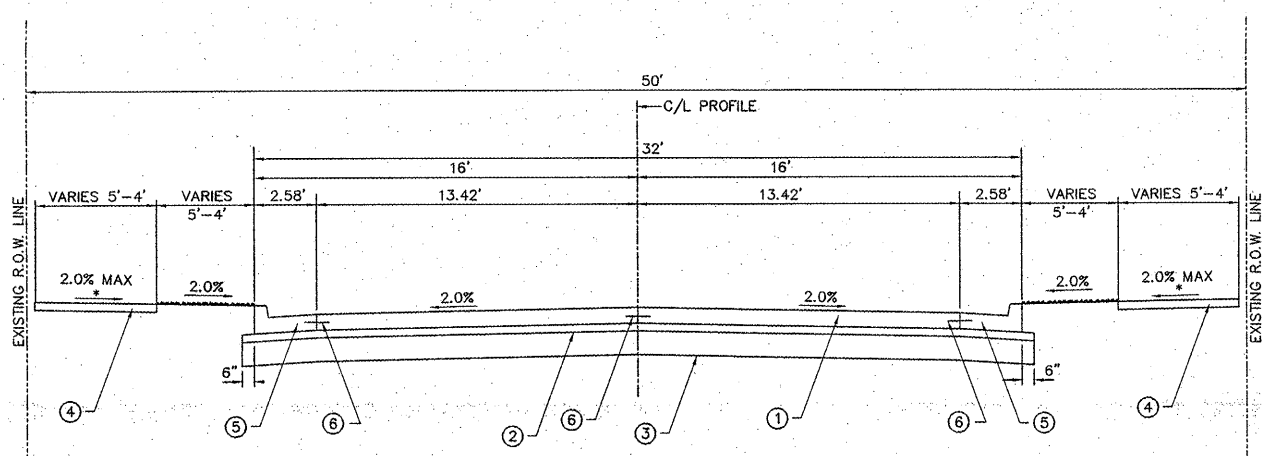
- ① PORTLAND CEMENT CONCRETE PAVEMENT 8" (SPECIAL)
- ② SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- ③ PROCESSING MODIFIED SOIL 12" SEE NOTE ② AND NOTE ④
- ④ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑥ EPOXY COATED #6 TIE BARS SEE NOTE ①

**STRUCTURAL DESIGN DATA
CROSSTOWN ROAD**

PAVEMENT TYPE: RIGID, NON-REINFORCED JOINTED
 CLASS OF STREET: CLASS II
 DESIGN PERIOD: 20 YEARS
 TRAFFIC DATA: 2012 ADT = 2,500
 2022 ADT = 4,880 (SDT)
 2032 ADT = 7,260
 STRUCTURAL DESIGN TRAFFIC: 88% P.V. = 4,294
 5% S.U. = 244
 7% M.U. = 342
 TRAFFIC FACTOR : 2.28 (80,000 LB. TRUCK DESIGN)
 SHOULDER TYPE: TIED CURB AND GUTTER
 SUBGRADE SUPPORT RATING: POOR
 OVERLOADS: NONE
 DESIGN SPECIFIED: SLAB THICKNESS - 8"
 JOINT SPACING - 15"
 DOWEL BARS - 1.5" DIAMETER
 SUBBASE - GRANULAR, 4"
 SUBGRADE - LIME OR CEMENT MODIFIED SOIL 12"

TYPICAL SECTION NOTES

- ① THE BARS THAT ARE PLACED IN CONCRETE SHALL BE 30" LONG AT 30" CENTERS. THE BARS THAT ARE DRILLED AND GROUTED SHALL BE 24" LONG AT 24" CENTERS. THE BARS SHALL BE EPOXY COATED.
- ② LIME SHALL BE USED TO MODIFY THE SOIL EXCEPT FOR STA. 205+00 TO STA. 220+00. PORTLAND CEMENT SHALL BE USED WITHIN THESE LIMITS. MODIFICATION WITH LIME SHALL BE AT 6% BY WEIGHT OF THE DRY SOIL DENSITY. MODIFICATION WITH CEMENT SHALL BE AT 8% BY WEIGHT OF THE DRY SOIL DENSITY.
- ③ PROPOSED SIDEWALK ENDS LT. STA. 223+46.75
- ④ IN ORDER TO EXPIDITE THE CONSTRUCTION BETWEEN STA. 212+60.05 TO STA. 213+56.89 DURING STAGE 2 AS DESCRIBED IN THE TRAFFIC CONTROL PLAN, THE CONTRACTOR MAY INCREASE THE THICKNESS OF SUB-BASE GRANULAR MATERIAL, TYPE A TO A TOTAL OF 12" AND OMIT THE PROCESSING MODIFIED SOIL. THE COST OF THE ADDITIONAL ROCK SHALL BE INCLUDED IN THE COST OF PROCESSING MODIFIED SOIL AND PORTLAND CEMENT.



**PROPOSED TYPICAL SECTION
SIDE ROADS**

SCENIC BYWAYS LANE STA. 5+18 TO STA. 5+78
 RIVERSLAND PARKWAY (SOUTH) STA. 4+47 TO STA. 4+82
 RIVERSLAND PARKWAY (NORTH) STA. 5+18 TO STA. 5+80

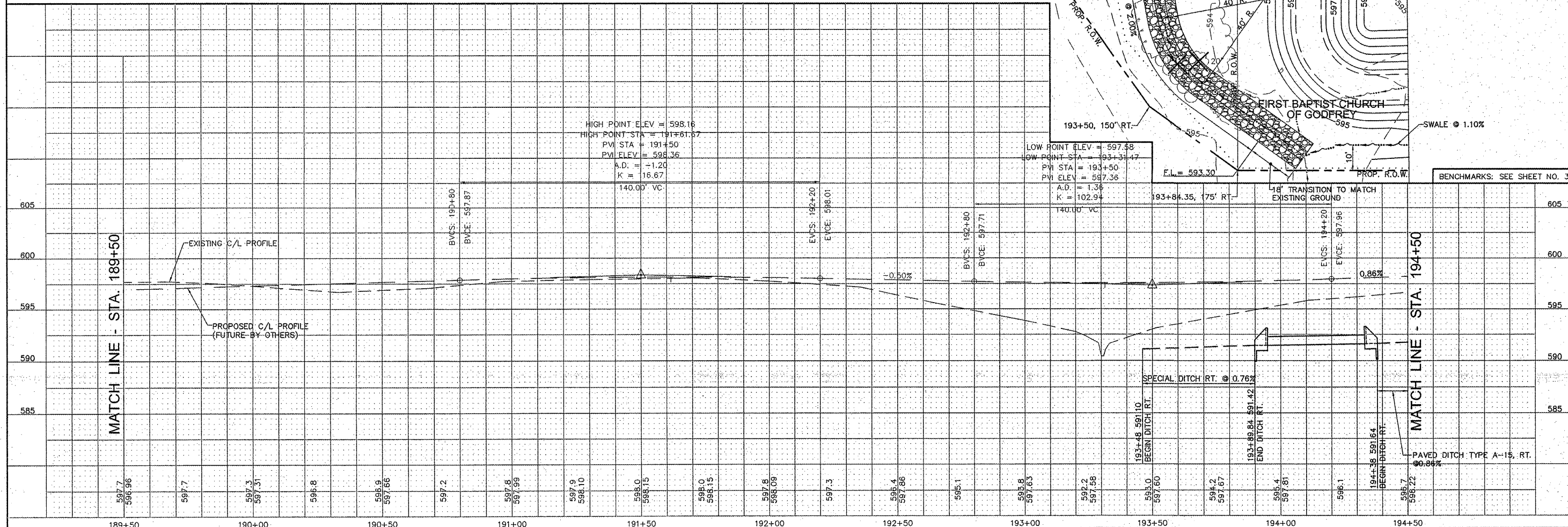
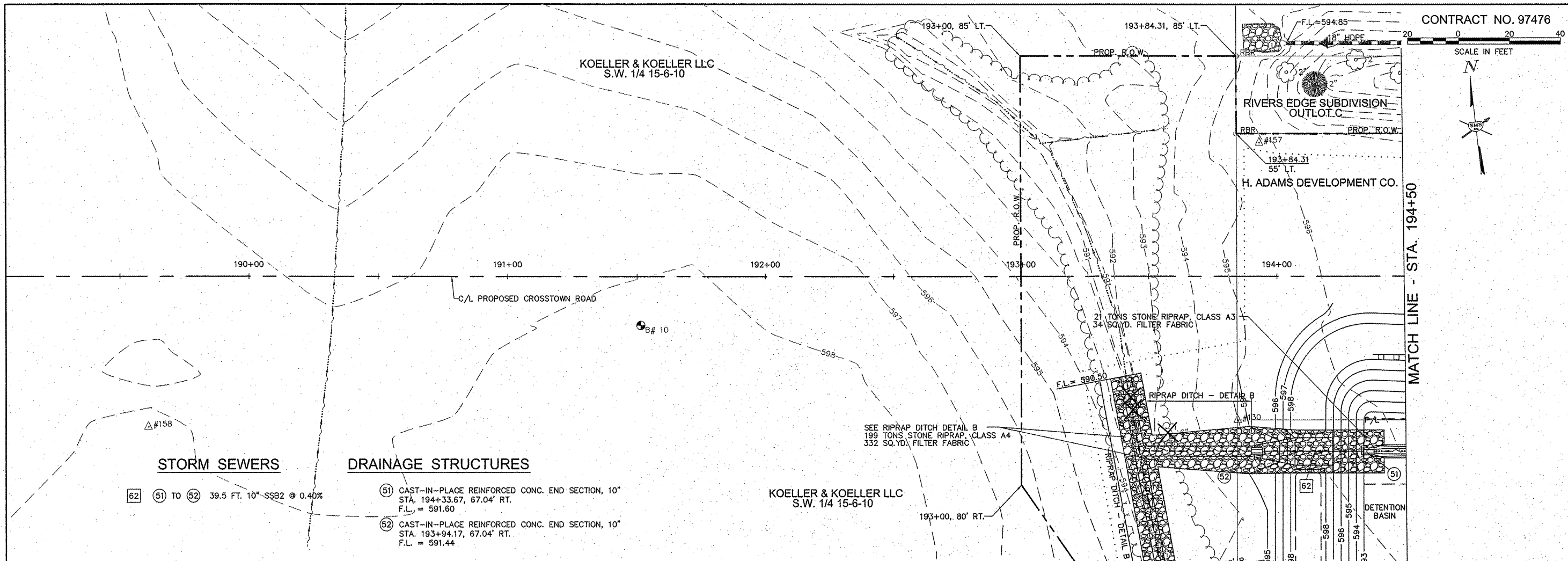
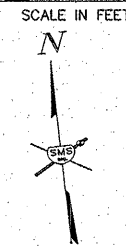
*PROPOSED SIDEWALKS E-W SIDES SCENIC BYWAYS LANE, AND WEST SIDE RIVERSLAND PARKWAY (NORTH)

NO.	DATE	DESCRIPTION

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 215 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 Email: msal@smsengineers.com
 10 Central Industrial Drive, Granite City, IL 62040 618/877-4700 Email: msal@smsengineers.com
 DESIGN FIRM # 184-CC0932

VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 PROPOSED TYPICAL SECTIONS

DWG. NO.	
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REF. BK.	
PG.	
JOB NO.	237334
DSN. BY:	DEC
DWN. BY:	CAD
CHK. BY:	DEC
DATE:	APRIL, 2011

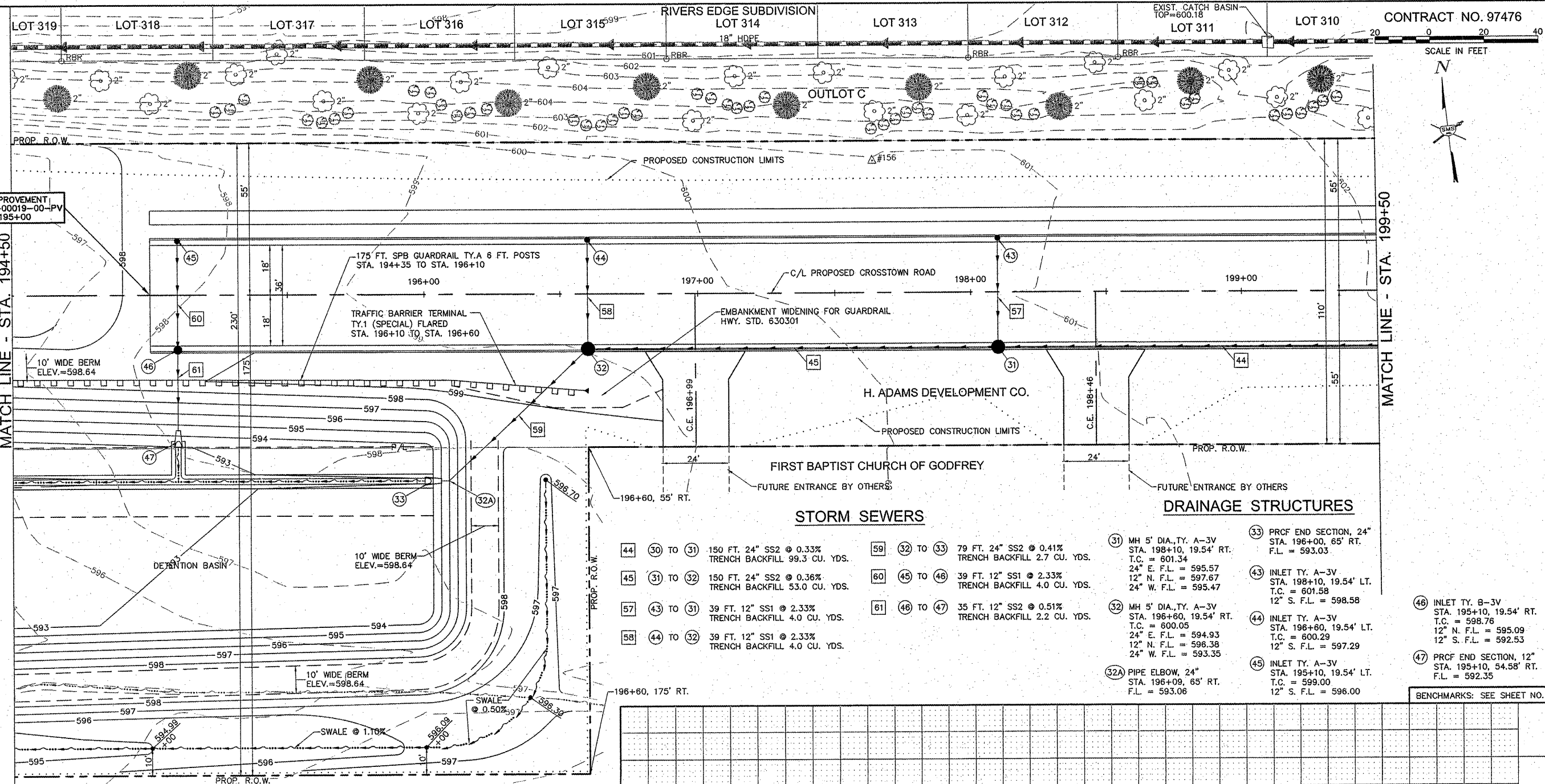


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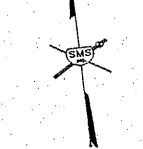
SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 216 Market Street, P.O. Box E, Alton, IL 62002, 618462-9755, Email: mail@smsengineers.com
 10 Central Industrial Drive, Granite City, IL 62040, 618677-9700, Email: mail@smsengineers.com
 DESIGN FIRM # 184-000992

VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 PLAN AND PROFILE

DWG. NO. GCTR ROADWAY PP 11.dwg
 REF. BK. PG.
 JOB NO. 237334
 DSN. BY: DEG
 DWN. BY: CAD
 CHK. BY: DEG
 DATE: APRIL, 2011
 SCALE: 1" = 20' H.
 1" = 5' V.
 SHEET 5 OF 38



BEGIN IMPROVEMENT SECTION 04-00019-00-PV STA. 195+00



MATCH LINE - STA. 194+50

MATCH LINE - STA. 199+50

MATCH LINE - STA. 194+50

MATCH LINE - STA. 199+50

194+50

195+00

195+50

196+00

196+50

197+00

197+50

198+00

198+50

199+00

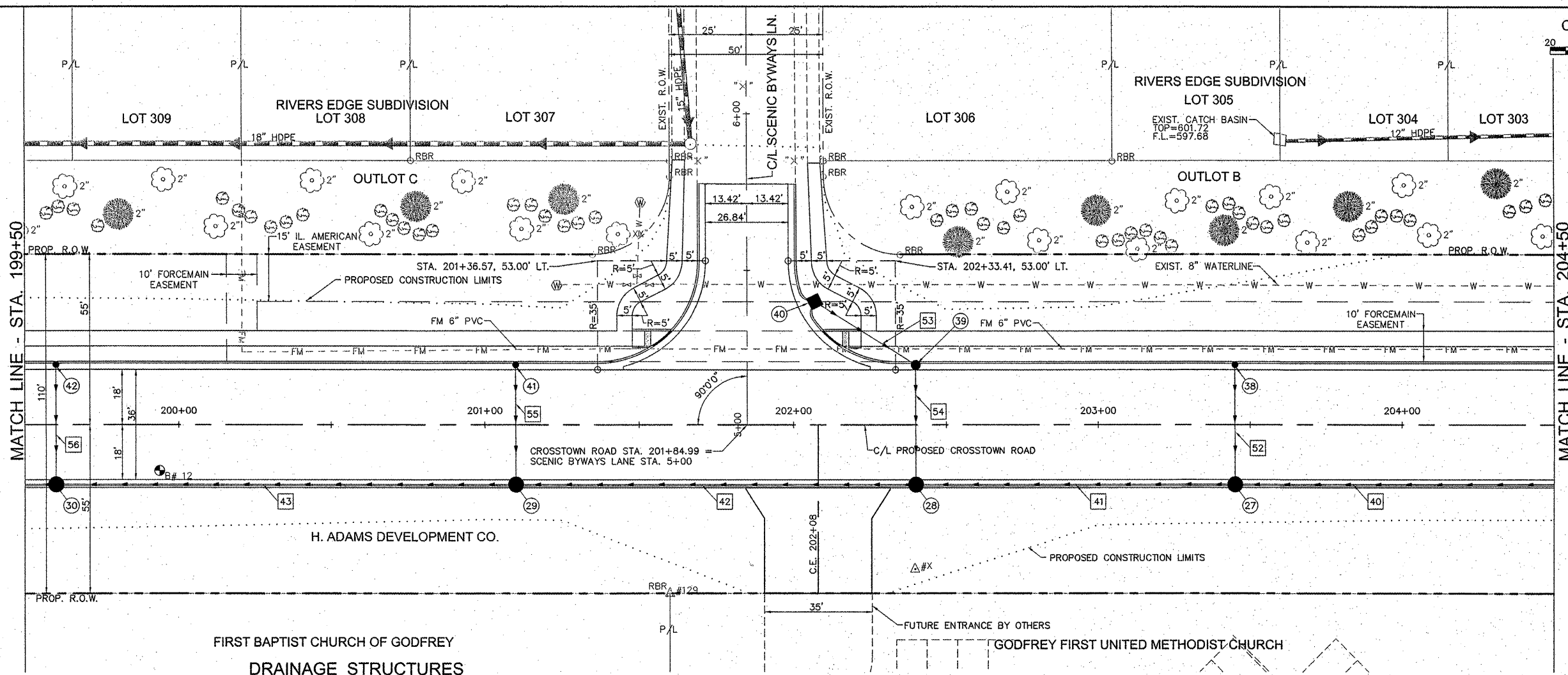
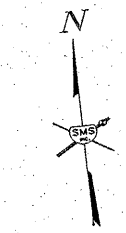
199+50

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 DESIGN FIRM # 184-000992

VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 PLAN AND PROFILE

DWG. NO. GCTR ROADWAY PP 12.dwg
 REF. BK. PG.
 JOB NO. 237334
 DSN. BY: DEG
 DWN. BY: CAD
 CHK. BY: DEG
 DATE: APRIL, 2011
 SCALE: 1" = 20' H.
 1" = 5' V.
 SHEET 6 OF 38



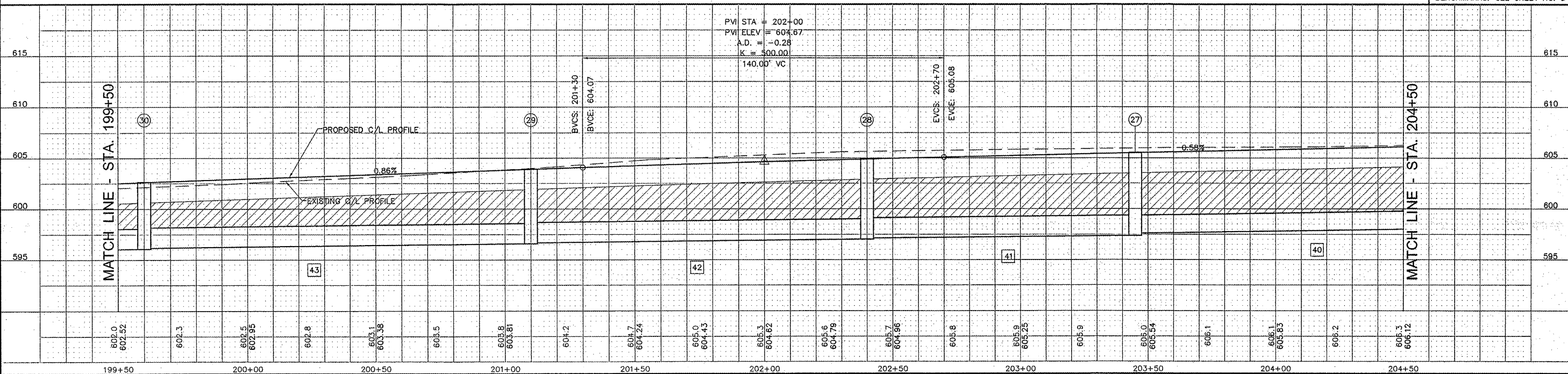
DRAINAGE STRUCTURES

- 27 MH 5' DIA., TY. A-3V
STA. 203+45, 19.54' RT.
T.C. = 605.53
21" E. F.L. = 597.61
12" N. F.L. = 601.86
24" W. F.L. = 597.37
- 28 MH 5' DIA., TY. A-3V
STA. 202+40, 19.54' RT.
T.C. = 604.91
24" E. F.L. = 597.13
12" N. F.L. = 598.48
24" W. F.L. = 597.03
- 29 MH 5' DIA., TY. A-3V
STA. 201+10, 19.54' RT.
T.C. = 603.92
24" E. F.L. = 596.69
12" N. F.L. = 600.25
24" W. F.L. = 596.59
- 30 MH 5' DIA., TY. A-3V
STA. 199+60, 19.54' RT.
T.C. = 602.63
24" E. F.L. = 596.16
12" N. F.L. = 598.96
24" W. F.L. = 596.06
- 38 INLET TY. A-3V
STA. 203+45, 19.54' LT.
T.C. = 605.77
12" S. F.L. = 602.77
- 39 INLET TY. B-3V
STA. 202+40, 19.54' LT.
T.C. = 605.15
12" N.W. F.L. = 598.77
12" S. F.L. = 598.67
- 40 INLET BOX, SPECIAL
STA. 202+08.98, 40.09' LT.
T.C. = 604.52
12" S.E. F.L. = 599.35
- 41 INLET TY. A-3V
STA. 201+10, 19.54' LT.
T.C. = 604.16
12" S. F.L. = 601.16
- 42 INLET TY. A-3V
STA. 199+60, 19.54' LT.
T.C. = 602.87
12" S. F.L. = 599.87

STORM SEWERS

- 40 26 TO 27 130 FT. 21" SS2 @ 0.38%
TRENCH BACKFILL 134.3 CU. YDS.
- 41 27 TO 28 105 FT. 24" SS2 @ 0.23%
TRENCH BACKFILL 108.0 CU. YDS.
- 42 28 TO 29 130 FT. 24" SS2 @ 0.26%
TRENCH BACKFILL 123.1 CU. YDS.
- 43 29 TO 30 150 FT. 24" SS2 @ 0.29%
TRENCH BACKFILL 120.8 CU. YDS.
- 52 38 TO 27 39 FT. 12" SS1 @ 2.33%
TRENCH BACKFILL 4.0 CU. YDS.
- 53 40 TO 39 39 FT. 12" SS2 @ 1.49%
TRENCH BACKFILL 16.2 CU. YDS.
- 54 39 TO 28 39 FT. 12" SS2 @ 0.49%
TRENCH BACKFILL 27.1 CU. YDS.
- 55 41 TO 29 39 FT. 12" SS1 @ 2.33%
TRENCH BACKFILL 4.0 CU. YDS.
- 56 42 TO 30 39 FT. 12" SS1 @ 2.33%
TRENCH BACKFILL 4.0 CU. YDS.

BENCHMARKS: SEE SHEET NO. 3

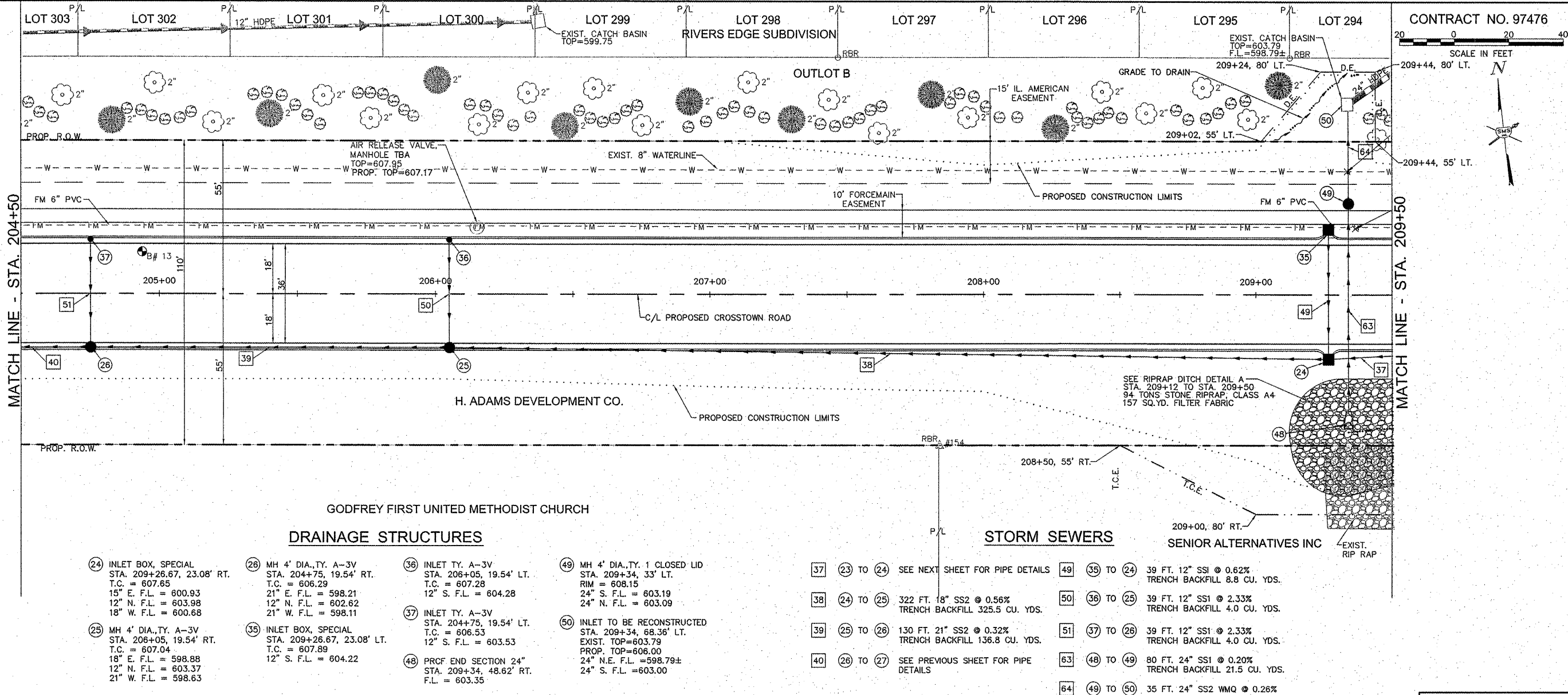


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 10 Central Industrial Drive, Granite City, IL 62040 618877-8700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 PLAN AND PROFILE

DWG. NO. GCTR ROADWAY PP13.DWG
 REF. BK. PG.
 JOB NO. 237334
 DES. BY: DEC
 DWN. BY: CAD
 CHK. BY: DEC
 DATE: APRIL, 2011
 SCALE: 1" = 20' H.
 1" = 5' V.
 SHEET 7 OF 38



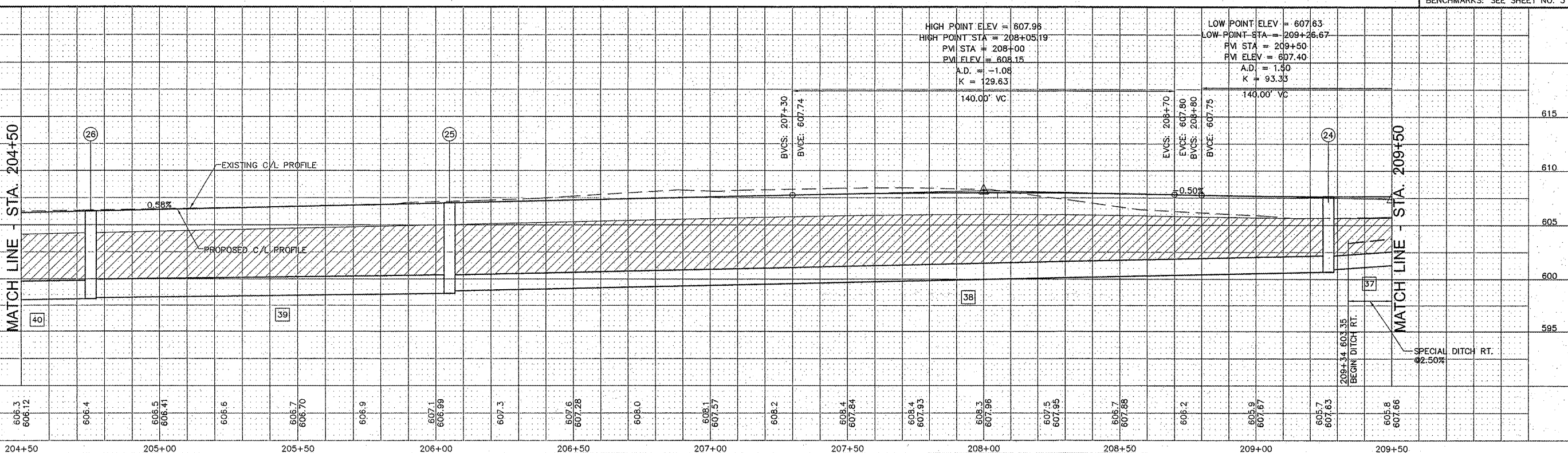
CONTRACT NO. 97476
SCALE IN FEET
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DESIGN FIRM # 184-000992

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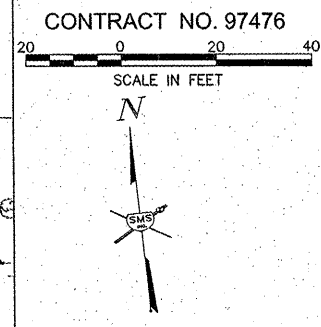
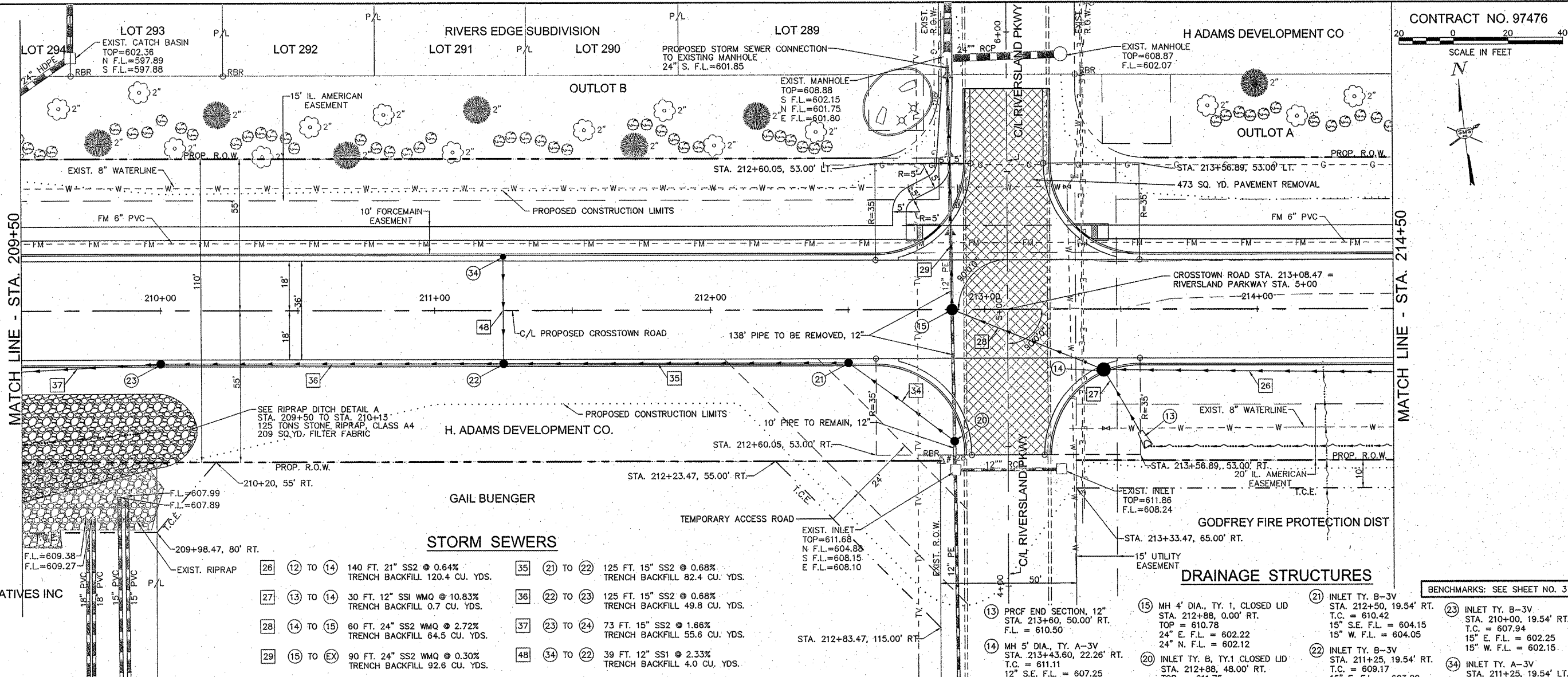
- DRAINAGE STRUCTURES**
- (24) INLET BOX, SPECIAL
STA. 209+26.67, 23.08' RT.
T.C. = 607.65
15" E. F.L. = 600.93
12" N. F.L. = 603.98
18" W. F.L. = 600.68
 - (25) MH 4' DIA., TY. A-3V
STA. 208+05, 19.54' RT.
T.C. = 607.04
18" E. F.L. = 598.88
12" N. F.L. = 603.37
21" W. F.L. = 598.63
 - (26) MH 4' DIA., TY. A-3V
STA. 204+75, 19.54' RT.
T.C. = 606.29
21" E. F.L. = 598.21
12" N. F.L. = 602.62
21" W. F.L. = 598.11
 - (27) INLET TY. A-3V
STA. 204+75, 19.54' LT.
T.C. = 606.53
12" S. F.L. = 603.53
 - (28) INLET TY. A-3V
STA. 206+05, 19.54' LT.
T.C. = 607.28
12" S. F.L. = 604.28
 - (29) MH 4' DIA., TY. 1 CLOSED LID
STA. 209+34, 33' LT.
RIM = 608.15
24" S. F.L. = 603.19
24" N. F.L. = 603.09
 - (30) INLET TO BE RECONSTRUCTED
STA. 209+34, 68.36' LT.
EXIST. TOP=603.79
PROP. TOP=606.00
24" N.E. F.L. =598.79±
24" S. F.L. =603.00
 - (31) TO (24) SEE NEXT SHEET FOR PIPE DETAILS
 - (32) TO (25) 322 FT. 18" SS2 @ 0.56%
TRENCH BACKFILL 325.5 CU. YDS.
 - (33) TO (26) 130 FT. 21" SS2 @ 0.32%
TRENCH BACKFILL 136.8 CU. YDS.
 - (34) TO (27) SEE PREVIOUS SHEET FOR PIPE DETAILS
 - (35) TO (24) 39 FT. 12" SS1 @ 0.62%
TRENCH BACKFILL 8.8 CU. YDS.
 - (36) TO (25) 39 FT. 12" SS1 @ 2.33%
TRENCH BACKFILL 4.0 CU. YDS.
 - (37) TO (26) 39 FT. 12" SS1 @ 2.33%
TRENCH BACKFILL 4.0 CU. YDS.
 - (38) TO (29) 80 FT. 24" SS1 @ 0.20%
TRENCH BACKFILL 21.5 CU. YDS.
 - (39) TO (30) 35 FT. 24" SS2 WMQ @ 0.26%



BENCHMARKS: SEE SHEET NO. 3

VILLAGE OF GODFREY, ILLINOIS
SECTION 04-00019-00-PV
CROSSTOWN ROAD - PHASE 1 A
PLAN AND PROFILE

DWG. NO. GCTR ROADWAY PP 14.dwg
REF. BK. PG.
JOB NO. 237334
DSM. BY: DEG
DWN. BY: CAD
CHK. BY: DEG
DATE: APRIL, 2011
SCALE: 1" = 20' H.
1" = 5' V.
SHEET 8 OF 38

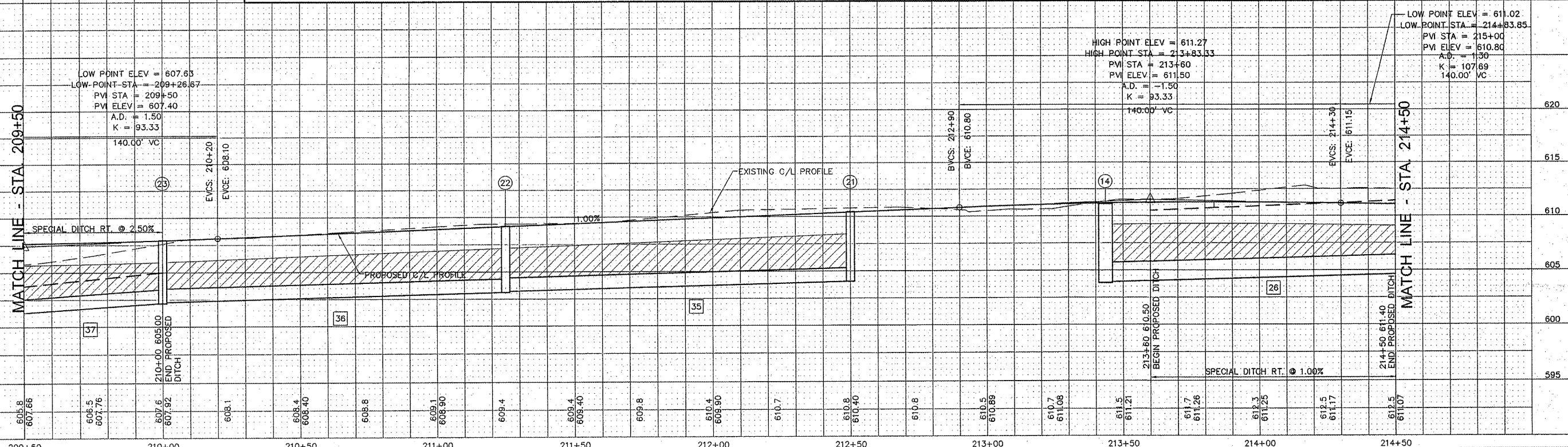


STORM SEWERS

26	12 TO 14	140 FT. 21" SS2 @ 0.64% TRENCH BACKFILL 120.4 CU. YDS.	35	21 TO 22	125 FT. 15" SS2 @ 0.68% TRENCH BACKFILL 82.4 CU. YDS.
27	13 TO 14	30 FT. 12" SS1 WMQ @ 10.83% TRENCH BACKFILL 0.7 CU. YDS.	36	22 TO 23	125 FT. 15" SS2 @ 0.68% TRENCH BACKFILL 49.8 CU. YDS.
28	14 TO 15	60 FT. 24" SS2 WMQ @ 2.72% TRENCH BACKFILL 64.5 CU. YDS.	37	23 TO 24	73 FT. 15" SS2 @ 1.66% TRENCH BACKFILL 55.6 CU. YDS.
29	15 TO EX	90 FT. 24" SS2 WMQ @ 0.30% TRENCH BACKFILL 92.6 CU. YDS.	48	34 TO 22	39 FT. 12" SS1 @ 2.33% TRENCH BACKFILL 4.0 CU. YDS.
34	20 TO 21	48 FT. 15" SS2 @ 0.60% TRENCH BACKFILL 2.4 CU. YDS.			

DRAINAGE STRUCTURES

13	PRCF END SECTION, 12" STA. 213+60, 50.00' RT. F.L. = 610.50	21	INLET TY. B-3V STA. 212+50, 19.54' RT. T.C. = 610.42 15" S.E. F.L. = 604.15 15" W. F.L. = 604.05
14	MH 5' DIA., TY. A-3V STA. 213+43.60, 22.26' RT. T.C. = 611.11 12" S.E. F.L. = 607.25 21" E. F.L. = 603.95 24" N.W. F.L. = 603.85	22	INLET TY. B-3V STA. 211+25, 19.54' RT. T.C. = 609.17 15" E. F.L. = 603.20 12" N. F.L. = 605.50 15" W. F.L. = 603.10
15	MH 4' DIA., TY. 1, CLOSED LID STA. 212+88, 0.00' RT. TOP = 610.78 24" E. F.L. = 602.22 24" N. F.L. = 602.12	23	INLET TY. B-3V STA. 210+00, 19.54' RT. T.C. = 607.94 15" E. F.L. = 602.25 15" W. F.L. = 602.15
20	INLET TY. B, TY.1 CLOSED LID STA. 212+88, 48.00' RT. TOP. = 611.75 12" S. F.L. = 604.69 15" N.W. F.L. = 604.44	34	INLET TY. A-3V STA. 211+25, 19.54' LT. T.C. = 609.41 12" S. F.L. = 606.41



REVISIONS

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 DESIGN FIRM # 184-000992

VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 PLAN AND PROFILE

DWG. NO. GCTR ROADWAY PP 15.dwg
 REF. BK. PG.
 JOB NO. 237334
 DSN. BY: DEG
 DWN. BY: CAD
 CHK. BY: DEG
 DATE: APRIL, 2011
 SCALE: 1" = 20' H.
 1" = 5' V.
 SHEET 9 OF 38



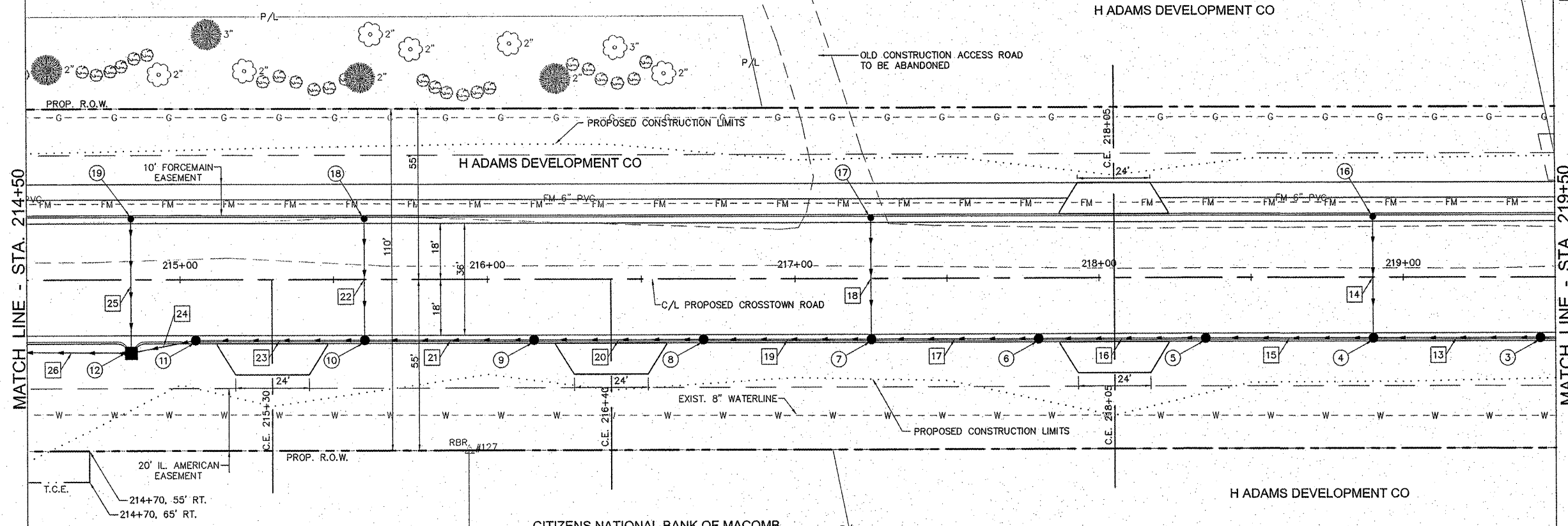
REVISIONS

Sheppard, Morgan & Schwab, Inc.
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DESIGN FIRM # 184-000992



VILLAGE OF GODFREY, ILLINOIS
SECTION 04-00019-00-PV
CROSSTOWN ROAD - PHASE 1 A
PLAN AND PROFILE

DWG. NO. GCTR ROADWAY PP 16.DWG
REF. BY: P.C.
JOB NO. 237334
DSN. BY: DEG
DWN. BY: CAD
CHK. BY: DEG
DATE: APRIL, 2011
SCALE: 1" = 20' H.
1" = 5' V.
SHEET 10 OF 38

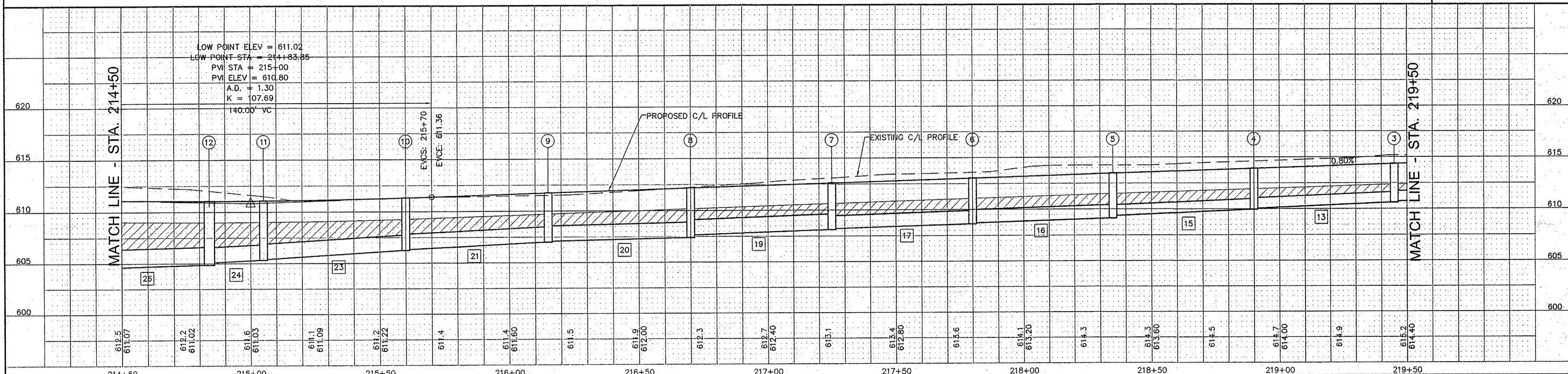


DRAINAGE STRUCTURES

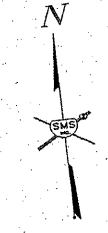
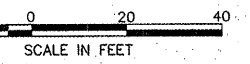
③ INLET TY. B-3V STA. 219+45, 19.54' RT. T.C. = 614.38 12" E. F.L. = 610.70 12" W. F.L. = 610.60	⑥ INLET TY. B-3V STA. 217+80, 19.54' RT. T.C. = 613.06 15" E. F.L. = 608.75 15" W. F.L. = 608.65	⑨ INLET TY. B-3V STA. 216+15, 19.54' RT. T.C. = 611.74 18" E. F.L. = 607.10 18" W. F.L. = 607.00	⑫ INLET BOX, SPECIAL STA. 214+83.85, 23.08' RT. T.C. = 611.04 12" N. F.L. = 607.37 18" E. F.L. = 605.10 21" W. F.L. = 604.85	⑮ INLET TY. A-3V STA. 215+60, 19.54' LT. T.C. = 611.54 12" S. F.L. = 608.54
④ INLET TY. B-3V STA. 218+90, 19.54' RT. T.C. = 613.94 12" N. F.L. = 610.27 12" E. F.L. = 610.05 12" W. F.L. = 609.95	⑦ INLET TY. B-3V STA. 217+25, 19.54' RT. T.C. = 612.62 12" N. F.L. = 608.95 15" E. F.L. = 608.23 15" W. F.L. = 608.13	⑩ INLET TY. B-3V STA. 215+60, 19.54' RT. T.C. = 611.30 12" N. F.L. = 607.63 18" E. F.L. = 606.34 18" W. F.L. = 606.24	⑭ INLET TY. A-3V STA. 218+90, 19.54' LT. T.C. = 614.18 12" S. F.L. = 611.18	⑲ INLET TY. A-3V STA. 214+83.85, 19.54' LT. T.C. = 611.28 12" S. F.L. = 608.28
⑤ INLET TY. B-3V STA. 218+35, 19.54' RT. T.C. = 613.50 12" E. F.L. = 609.40 15" W. F.L. = 609.15	⑧ INLET TY. B-3V STA. 216+70, 19.54' RT. T.C. = 612.18 15" E. F.L. = 607.65 18" W. F.L. = 607.40	⑪ INLET TY. B-3V STA. 215+05, 19.54' RT. T.C. = 611.06 18" E. F.L. = 605.41 18" W. F.L. = 605.31	⑰ INLET TY. A-3V STA. 217+25, 19.54' LT. T.C. = 612.86 12" S. F.L. = 609.86	

STORM SEWERS

⑬ ③ TO ④	55 FT. 12" SSI @ 1.00% TRENCH BACKFILL 9.0 CU. YDS.	⑳ ⑧ TO ⑨	55 FT. 18" SSI @ 0.55% TRENCH BACKFILL 14.1 CU. YDS.
⑭ ⑬ TO ④	39 FT. 12" SSI @ 2.33% TRENCH BACKFILL 4.0 CU. YDS.	㉑ ⑨ TO ⑩	55 FT. 18" SS2 @ 1.20% TRENCH BACKFILL 15.5 CU. YDS.
⑮ ④ TO ⑤	55 FT. 12" SSI @ 1.00% TRENCH BACKFILL 10.1 CU. YDS.	㉒ ⑩ TO ⑪	39 FT. 12" SSI @ 2.33% TRENCH BACKFILL 4.0 CU. YDS.
⑯ ⑤ TO ⑥	55 FT. 15" SSI @ 0.73% TRENCH BACKFILL 11.7 CU. YDS.	㉓ ⑪ TO ⑫	55 FT. 18" SS2 @ 1.50% TRENCH BACKFILL 19.0 CU. YDS.
⑰ ⑥ TO ⑦	55 FT. 15" SSI @ 0.76% TRENCH BACKFILL 12.4 CU. YDS.	㉔ ⑫ TO ⑬	21 FT. 18" SS2 @ 1.00% TRENCH BACKFILL 14.7 CU. YDS.
⑱ ⑦ TO ⑧	39 FT. 12" SSI @ 2.33% TRENCH BACKFILL 4.0 CU. YDS.	㉕ ⑬ TO ⑭	39 FT. 12" SS1 @ 2.33% TRENCH BACKFILL 5.9 CU. YDS.
⑲ ⑦ TO ⑧	55 FT. 15" SSI @ 0.87% TRENCH BACKFILL 13.0 CU. YDS.	㉖ ⑭ TO ⑮	SEE PREVIOUS SHEET FOR PIPE DETAILS



BENCHMARKS: SEE SHEET NO. 3



REVISIONS

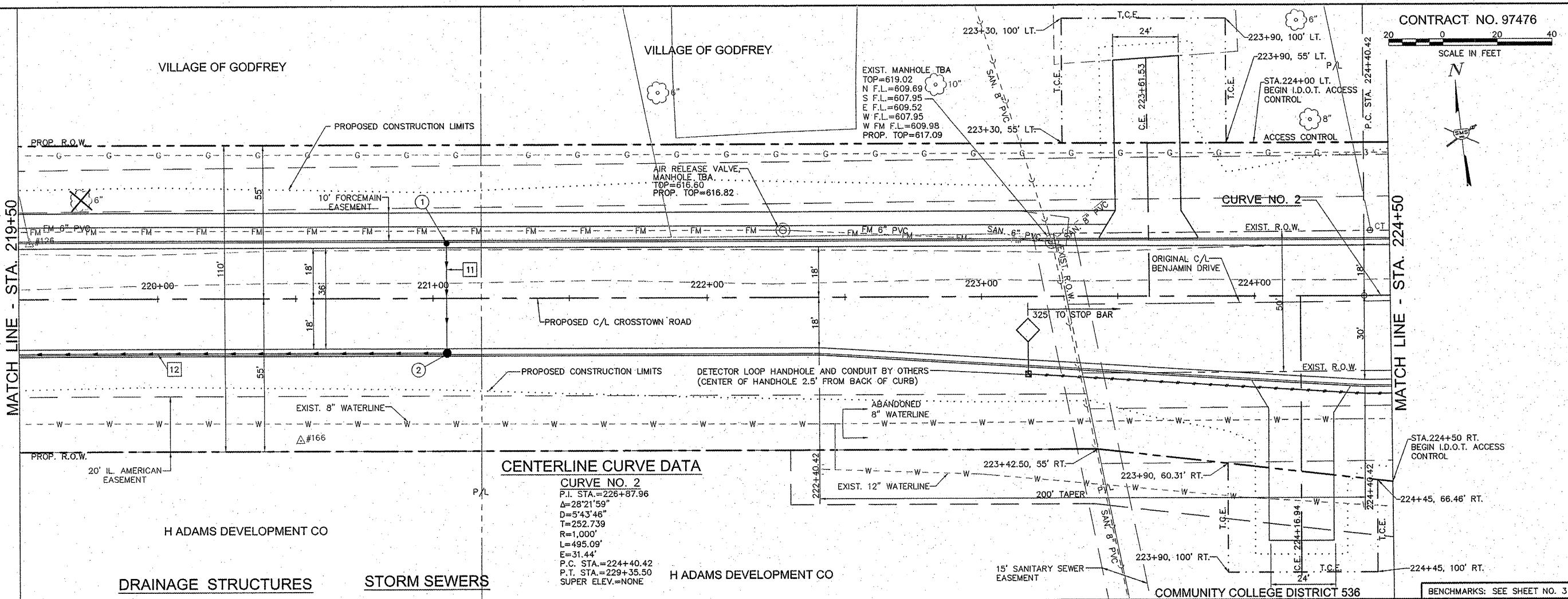
SMS Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
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VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 PLAN AND PROFILE

DWG. NO. GCTR ROADWAY PP 17.DWG
 REF. BK. PG.
 JOB NO. 237334
 DSN. BY: DEG
 DWN. BY: CAD
 CHK. BY: DEG
 DATE: APRIL, 2011
 SCALE: 1" = 20' H.
 1" = 5' V.
 SHEET 11 OF 38

MATCH LINE - STA. 219+50

MATCH LINE - STA. 224+50

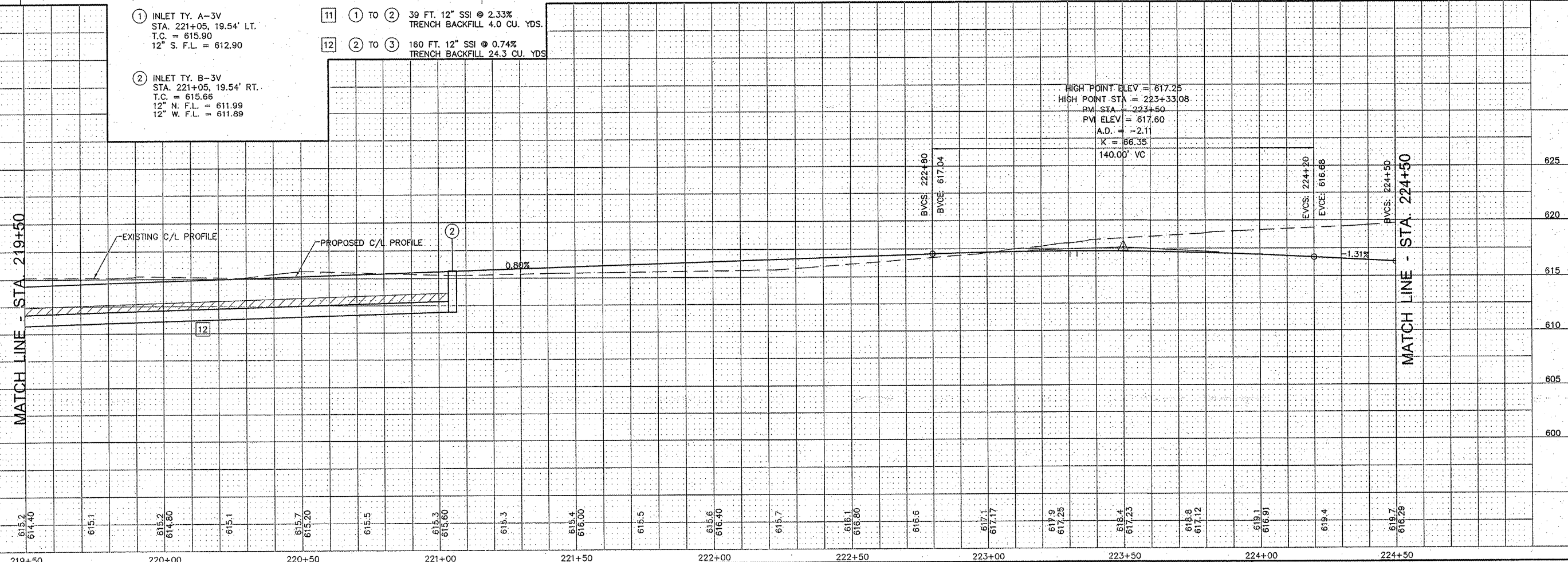


- DRAINAGE STRUCTURES**
- ① INLET TY. A-3V
 STA. 221+05, 19.54' LT.
 T.C. = 615.90
 12" S. F.L. = 612.90
 - ② INLET TY. B-3V
 STA. 221+05, 19.54' RT.
 T.C. = 615.66
 12" N. F.L. = 611.99
 12" W. F.L. = 611.89
- STORM SEWERS**
- ⑪ ① TO ② 39 FT. 12" SSI @ 2.33%
 TRENCH BACKFILL 4.0 CU. YDS.
 - ⑫ ② TO ③ 160 FT. 12" SSI @ 0.74%
 TRENCH BACKFILL 24.3 CU. YDS.

HIGH POINT ELEV = 617.25
 HIGH POINT STA = 223+33.08
 PVI STA = 223+60
 PVI ELEV = 617.60
 A.D. = -2.11
 K = 66.35
 140.00' VC

MATCH LINE - STA. 219+50

MATCH LINE - STA. 224+50

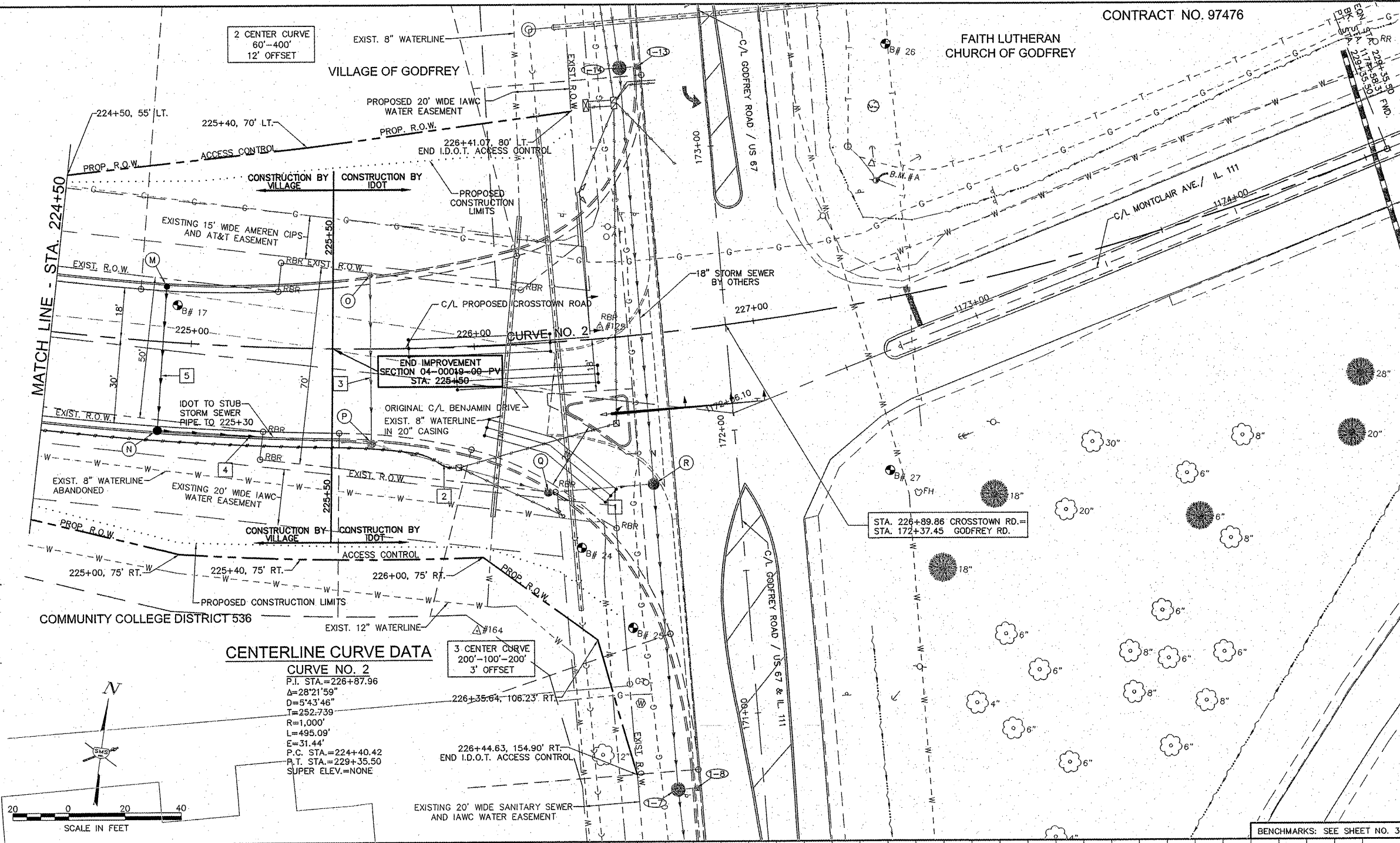


STORM SEWERS

- 1 (Q) TO (R) 37 FT. 12" SSI @ 1.43% BY OTHERS
- 2 (P) TO (Q) 65 FT. 12" SSI @ 1.25% BY OTHERS
- 3 (O) TO (P) 60 FT. 12" SSI @ 1.03% BY OTHERS
- 4 (N) TO (P) 35 FT. 12" SSI @ 0.58% BY OTHERS
- 4 (N) TO (P) 41 FT. 12" SSI @ 0.58% TRENCH BACKFILL 3.1 CU. YDS.
- 5 (M) TO (N) 51.5 FT. 12" SSI @ 0.93% TRENCH BACKFILL 6.8 CU. YDS.

DRAINAGE STRUCTURES

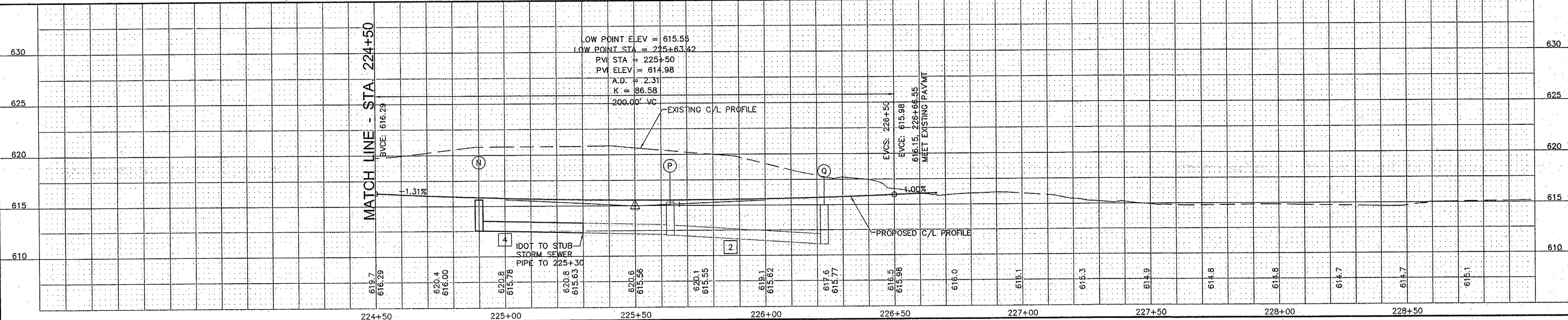
- (M) INLET, TY. A-3V
STA. 224+90, 19.60' LT.
T.C. = 616.12
12" S. F.L. = 613.12
- (N) INLET, TY. B-3V
STA. 224+90, 31.54' RT.
T.C. = 615.64
12" N. F.L. = 612.64
12" E. F.L. = 612.54
- (O) INLET, TY. A-15
STA. 225+63.42, 26.20' LT.
T.C. = 615.72
12" S. F.L. = 612.72
(BY OTHERS)
- (P) INLET, TY. B-15
STA. 225+63.42, 33.68' RT.
T.C. = 615.32
12" N. F.L. = 612.10
12" E. F.L. = 612.00
12" W. F.L. = 612.10
(BY OTHERS)
- (Q) INLET, TY. B-15
STA. 226+22.78, 52.99' RT.
T.C. = 614.97
12" W. F.L. = 611.19
12" E. F.L. = 611.09
(BY OTHERS)
- (R) MANHOLE
4' DIA. TY. 1 CLOSED LID
STA. 226+58.48, 53.05' RT.
STA. 171+83.44, 30.57' LT.
TOP. = 615.31
12" W. F.L. = 610.56
18" N. F.L. = 610.06±
18" S. F.L. = 610.06±
(BY OTHERS)



CENTERLINE CURVE DATA

CURVE NO. 2
 P.I. STA.=226+87.96
 $\Delta=28^{\circ}21'59"$
 $D=5^{\circ}43'46"$
 $T=252.739$
 $R=1,000'$
 $L=495.09'$
 $E=31.44'$
 P.C. STA.=224+40.42
 P.T. STA.=229+35.50
 SUPER ELEV.=NONE

3-CENTER CURVE
 200'-100'-200'
 3' OFFSET



REVISIONS

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 DESIGN FIRM # 184-000992

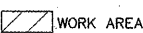
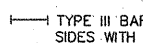











VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 PLAN AND PROFILE

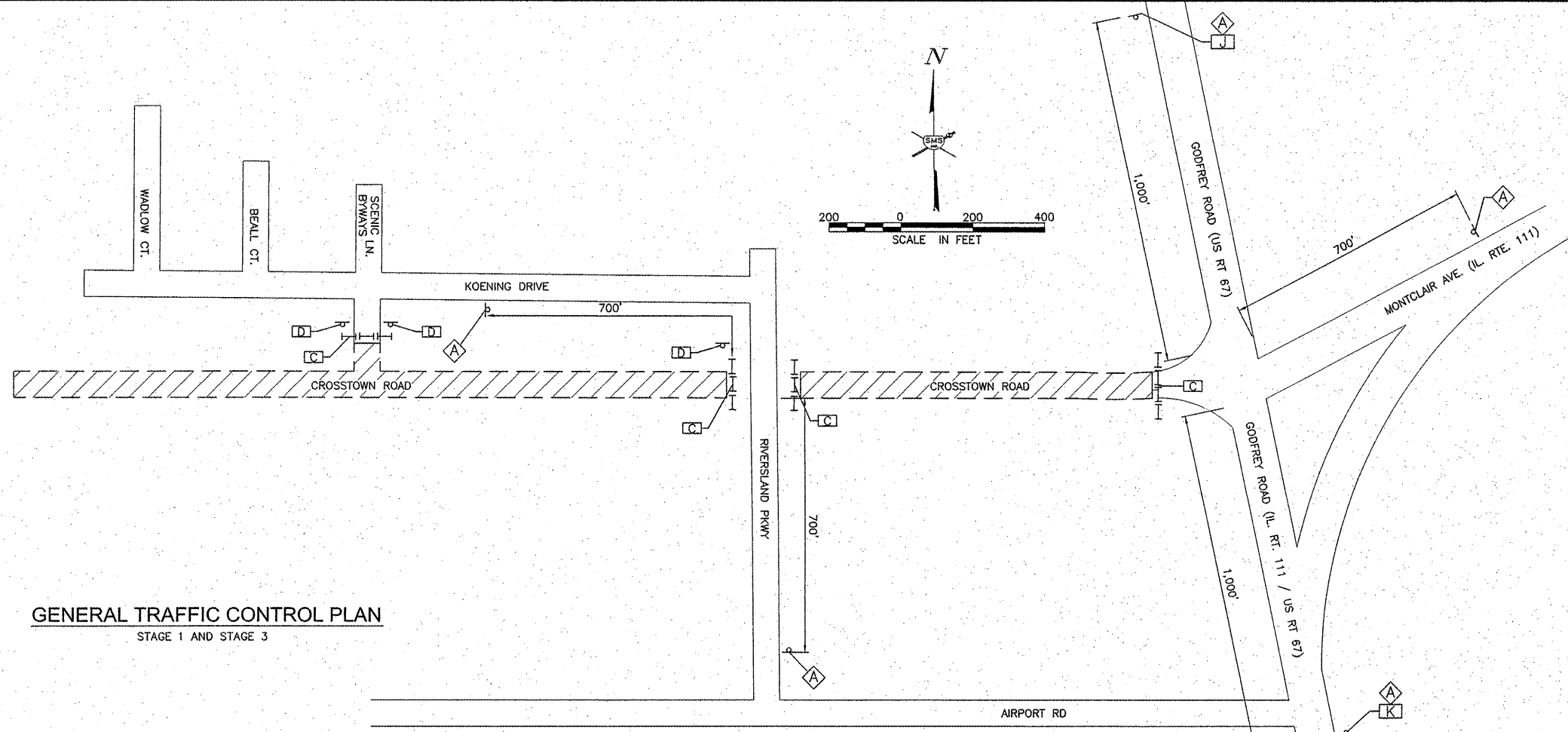
DWG. NO. GCTR ROADWAY PP 18.DWG
 REF. BK. PG.
 JOB NO. 237334
 DSN. BY: DEG
 DWN. BY: CAD
 CHK. BY: DEG
 DATE: APRIL 2011
 SCALE: 1" = 20' H.
 1" = 5' V.
 SHEET 12 OF 38

TRAFFIC CONTROL NOTES

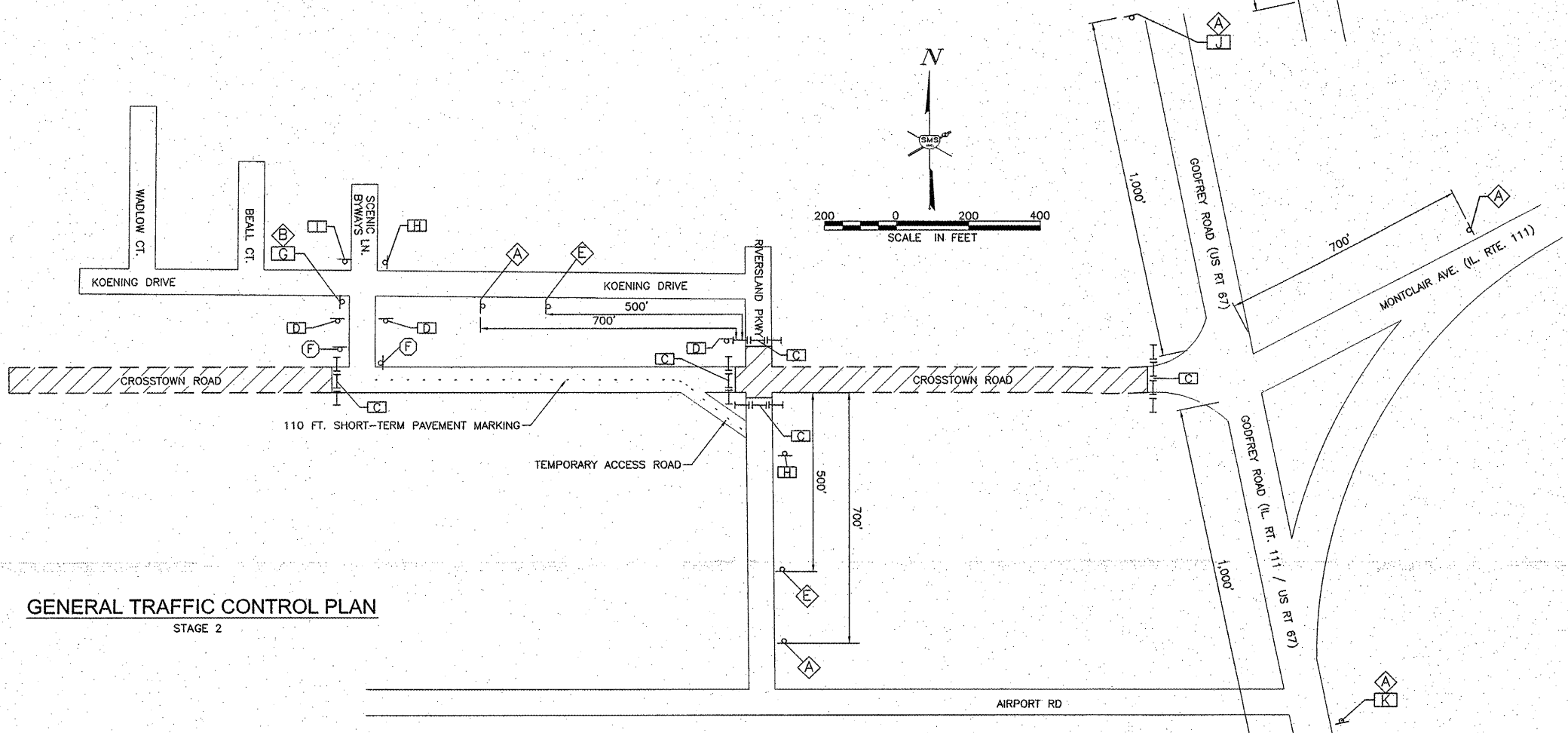
1. THE GENERAL TRAFFIC CONTROL PLANS SHOW REQUIRED SIGNING AND TRAFFIC CONTROL DEVICES. ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED BELOW AND IN ACCORDANCE WITH THE SPECIFIED HIGHWAY STANDARDS.
2. SEE THE PROVISIONS FOR ADDITIONAL REQUIREMENTS AND DESCRIPTION OF STAGES.
3. DURING STAGE 1, THE PRIMARY FOCUS OF CONSTRUCTION SHALL BE WEST OF RIVERSLAND PARKWAY, HOWEVER THE CONTRACTOR MAY WORK ON ANY PART OF THE ENTIRE PROJECT, EXCEPT THAT RIVERSLAND PARKWAY SHALL REMAIN OPEN TO THROUGH TRAFFIC AT ALL TIMES. ONE TRAFFIC LANE WILL BE ALLOWED TO BE CLOSED AS NEEDED DURING THE DAYTIME HOURS. THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL ON RIVERSLAND PARKWAY AS APPLICABLE IN ACCORDANCE WITH THE FOLLOWING HIGHWAY STANDARDS:
 - 701006
 - 701011
 - 701301
 - 701501
 - 701901
4. DURING STAGE 2, RIVERSLAND PARKWAY SHALL BE CLOSED AND TRAFFIC SHALL BE DETOURED AS SHOWN IN THE GENERAL TRAFFIC CONTROL PLAN. DURING STAGE 2, RIVERSLAND PARKWAY SHALL BE CLOSED TO TRAFFIC AND THE CONTRACTOR SHALL COMPLETE THE IMPROVEMENTS BETWEEN STATION 212+60.05 TO STATION 213+56.89. THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL AS APPLICABLE IN ACCORDANCE WITH THE FOLLOWING HIGHWAY STANDARDS:
 - 701006
 - 701011
 - 701301
 - 701501
 - 701901
5. DURING STAGE 3, THE CONTRACTOR SHALL CONSTRUCT ALL REMAINING IMPROVEMENTS. DURING STAGE 3, THE PRIMARY FOCUS OF CONSTRUCTION SHALL BE TO COMPLETE THE PAVEMENT BEGINNING AT STATION 225+50 AND PROCEEDING WEST SO AS TO ALLOW THE TRAFFIC SIGNAL COMPONENTS SHOWN ON THE PLANS "BY OTHERS" TO BE CONSTRUCTED AS SOON AS POSSIBLE. DURING THIS STAGE, RIVERSLAND PARKWAY SHALL REMAIN OPEN TO THROUGH TRAFFIC AT ALL TIMES. ONE TRAFFIC LANE WILL BE ALLOWED TO BE CLOSED AS NEEDED DURING DAY TIME HOURS. CROSSTOWN ROAD SHALL REMAIN CLOSED TO ALL TRAFFIC. THE CONTRACTOR SHALL PROVIDE ADDITIONAL TRAFFIC CONTROL AS APPLICABLE IN ACCORDANCE WITH THE FOLLOWING HIGHWAY STANDARDS:
 - 701006
 - 701011
 - 701301
 - 701501
 - 701901
6. AFTER CROSSTOWN ROAD IS SUBSTANTIALLY COMPLETED AND OPENED TO TRAFFIC, THE CONTRACTOR SHALL PROVIDE TRAFFIC CONTROL FOR ANY FOLLOW UP CONSTRUCTION OPERATIONS AS APPLICABLE IN ACCORDANCE WITH THE FOLLOWING HIGHWAY STANDARDS:
 - 701006
 - 701011
 - 701301
 - 701501
 - 701502
 - 701901

TRAFFIC CONTROL LEGEND

-  WORK AREA
-  TYPE III BARRICADE WITH REFLECTORIZED STRIPING ON BOTH SIDES WITH FLASHING LIGHTS
-  SIGN "ROAD CONSTRUCTION AHEAD" W20-1(0) - 48" x 48" WITH MONODIRECTIONAL FLASHING LIGHT
-  SIGN "ROAD CLOSED AHEAD" W20-3 48" x 48"
-  SIGN "ROAD CLOSED" R11-2 48" x 30"
-  SIGN "SIDEWALK CLOSED" R11-1101-2 24" x 18"
-  SIGN "ROAD CLOSED 500'" W20-3(0) 48" x 48" WITH MONODIRECTIONAL FLASHING LIGHT
-  SIGN "STOP" R1-1 30" x 30"
-  SIGN M4-9R 30" x 24"
-  SIGN M4-9L 30" x 24"
-  SIGN BLACK LETTERS ON ORANGE BACKGROUND 30" x 24"
-  SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
-  SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"



GENERAL TRAFFIC CONTROL PLAN
STAGE 1 AND STAGE 3



GENERAL TRAFFIC CONTROL PLAN
STAGE 2

NO.	REVISIONS

SMS ENGINEERS

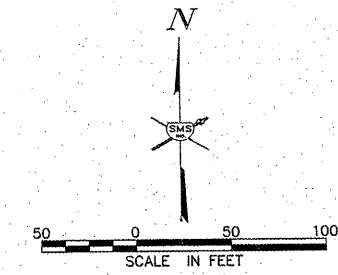
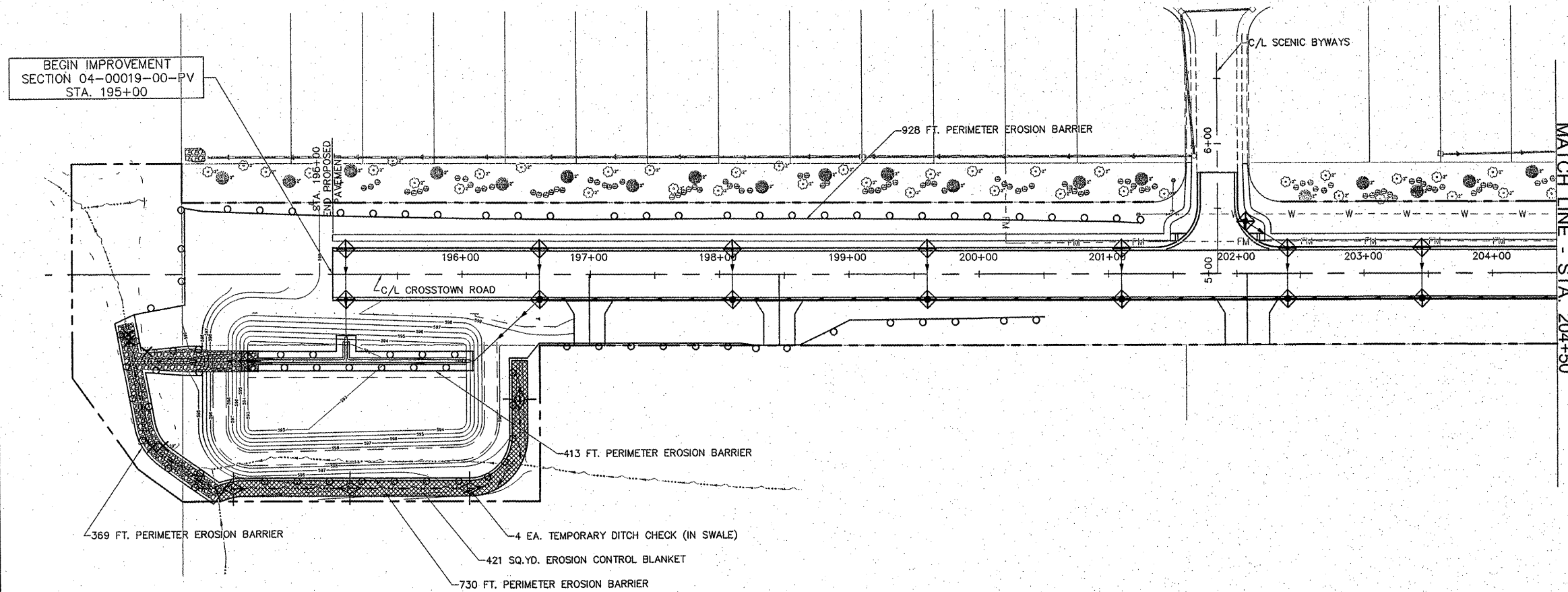
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DESIGN FIRM # 184-00992

VILLAGE OF GODFREY, ILLINOIS
CROSSTOWN ROAD - PHASE 1 A
SECTION 04-00019-00-PV
TRAFFIC CONTROL PLAN

DWG. NO.	PHS 1 GCTR TRAFFIC CONTROL.DWG
REF. BK.	PG. -
JOB NO.	237334
DSN. BY:	DEG
DWN. BY:	CAD
CHK. BY:	DEG
DATE:	APRIL, 2011
SCALE:	AS SHOWN
SHEET	13 OF 38



EROSION CONTROL NOTES

- EROSION CONTROL ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 280 OF THE I.D.O.T. STANDARD SPECIFICATIONS.
- THIS PLAN SHOWS GENERAL LAYOUT OF EROSION CONTROL ITEMS. THE CONTRACTOR IS RESPONSIBLE FOR EROSION AND SEDIMENT CONTROL AND THEREFORE SHALL MONITOR THE SITE AND REPAIR, MAINTAIN OR MODIFY THE EROSION AND SEDIMENT CONTROL MEASURES AS NEEDED TO COMPLY WITH REGULATIONS.
- THE CONTRACTOR FOR THIS PROJECT SHALL COMPLY WITH THE ILLINOIS E.P.A. NPDES PERMIT NO. ILR10 FOR STORM WATER DISCHARGES FROM CONSTRUCTION SITE ACTIVITIES.
- THIS EROSION CONTROL PLAN SUPPLEMENTS THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT AND INCLUDED IN THE SPECIAL PROVISIONS.
- THE CONTRACTOR IS REQUIRED TO RETAIN A COPY OF THE SWPPP ON SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
- CONSTRUCTION AND DRIVEWAY ENTRANCES SHALL BE STABILIZED WITH CRUSHED STONE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC ROADWAYS. THIS WORK SHALL BE PAID FOR PER TON FOR AGGREGATE FOR TEMPORARY ACCESS.
- PERIMETER EROSION BARRIER SHALL BE PLACED ALONG THE UPSLOPE EDGE OF RIPRAP IF BARE SOIL EXISTS AT THE TIME RIPRAP IS PLACED.
- TEMPORARY SEEDING AND MULCH SHALL BE COMPLETED IN ACCORDANCE WITH THE SWPPP.
- CONTRACTOR SHALL INSTALL TEMPORARY DITCH CHECKS IN THE FLOW PATHS OF CONCENTRATED STORM WATERS WHERE THERE IS A POTENTIAL FOR EROSION DUE TO CONSTRUCTION SITE ACTIVITIES. DITCH CHECKS PROVIDED SHALL BE PER ARTICLE 280.04 OR OTHER DITCH CHECK MATERIALS ACCEPTABLE TO THE ENGINEER. STRAW BALES, HAY BALES, PERIMETER EROSION BARRIER AND SILT FENCES WILL NOT BE PERMITTED FOR TEMPORARY DITCH CHECKS. SPACING OF DITCH CHECKS SHALL DEPEND ON THE HEIGHT OF THE DITCH CHECK AND THE SLOPE OF THE DITCH, ACCORDING TO THE FOLLOWING FORMULA:

$$\text{DITCH CHECK SPACING (FT.)} = \frac{\text{HEIGHT (FT.)}}{\text{SLOPE (FT./FT.)}}$$

THIS SPACING WILL RESULT IN THE TOP ELEVATION OF THE DITCH CHECK BEING EQUAL TO THE DITCH FLOW LINE ELEVATION AT THE NEXT UPSTREAM DITCH CHECK.
- AN ESTIMATED 55 FEET OF TEMPORARY DITCH CHECKS HAVE BEEN CALCULATED FOR USE BY THE RESIDENT ENGINEER. THE ACTUAL AMOUNT SHALL BE DETERMINED BY THE ENGINEER.
- THE CONTRACTOR SHALL PROVIDE TEMPORARY INLET AND PIPE PROTECTION AT ALL STORM SEWER PIPE AND INLET STRUCTURES AS REQUIRED TO INTERCEPT WATER BORNE SILT AND SEDIMENT AND PREVENT IT FROM ENTERING STORM SEWER SYSTEMS. THIS ITEM MAY CONSIST OF EMBEDDED HAY OR STRAW BALES, SILT FILTER FENCE, SAND BAGS OR OTHER APPROVED METHODS.
- THE CONTRACTOR MAY USE TEMPORARY SEDIMENT BASINS AS ADDITIONAL EROSION CONTROL MEASURES AT CONCENTRATED FLOW LOCATIONS. A TEMPORARY SEDIMENT BASIN CONSISTS OF AN EXCAVATED BASIN WITH A PERIMETER EROSION BARRIER (SILT FILTER FENCE OR HIGH FLOW SILT FILTER FENCE) ON THE DOWNSTREAM SIDE.

EROSION CONTROL LEGEND

- PERIMETER EROSION BARRIER - SILT FILTER FENCE OR OTHER AS APPROVED BY ENGINEER (4,742 FT.)
- INLET AND PIPE PROTECTION (50 EACH)
- EROSION CONTROL BLANKET
- TEMPORARY DITCH CHECK (55 FEET)

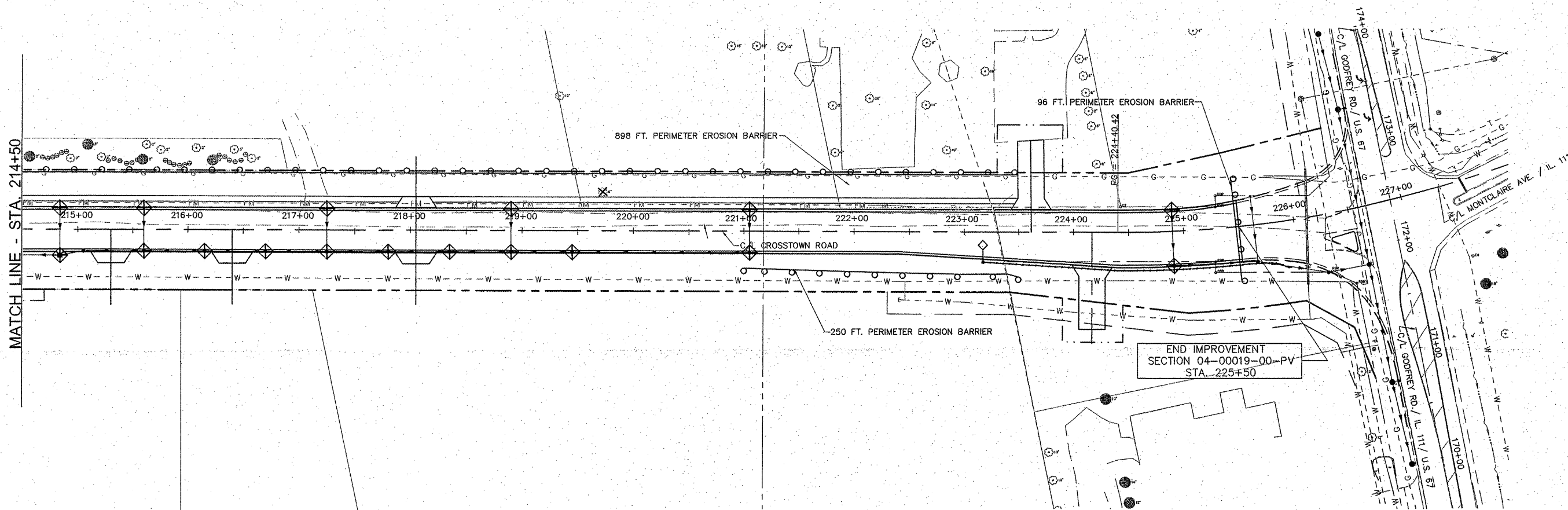
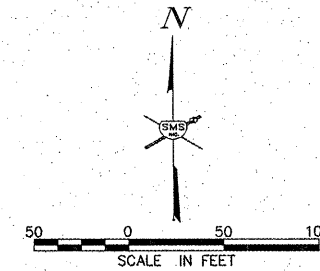
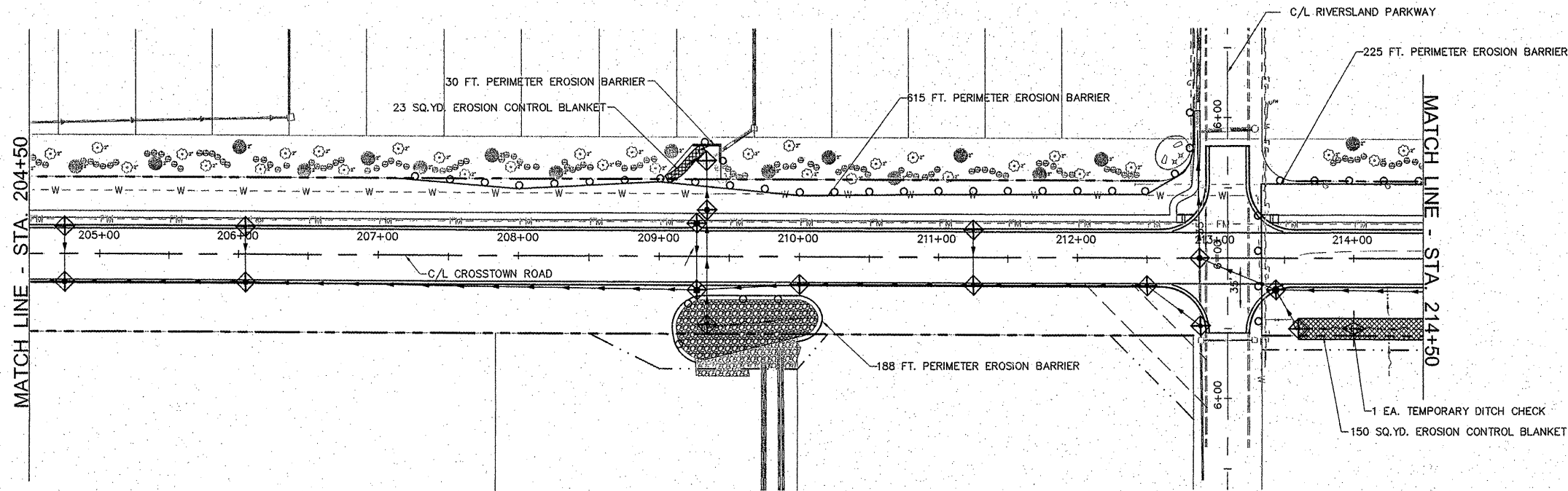
EROSION CONTROL BLANKET SCHEDULE	
LOCATION	EROSION CONTROL BLANKET (SQ. YD.)
SWALE AT DETENTION POND	421
209+34, LT.	23
214+00, RT.	150
OTHER AREAS AS NEEDED & DIRECTED BY THE ENGINEER	100
TOTAL	694

REVISIONS

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 DESIGN FIRM # 184-000992

VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 EROSION CONTROL PLAN

PHS 1 CSTR ROADWAY EROSION CONTROL.DWG
 REF. BK. PG.
 JOB NO. 237334
 DSN. BY: DFG
 DWN. BY: CAD
 CHK. BY: DEG
 DATE: APRIL 2011
 SCALE: 1" = 50'
 SHEET 14 OF 38

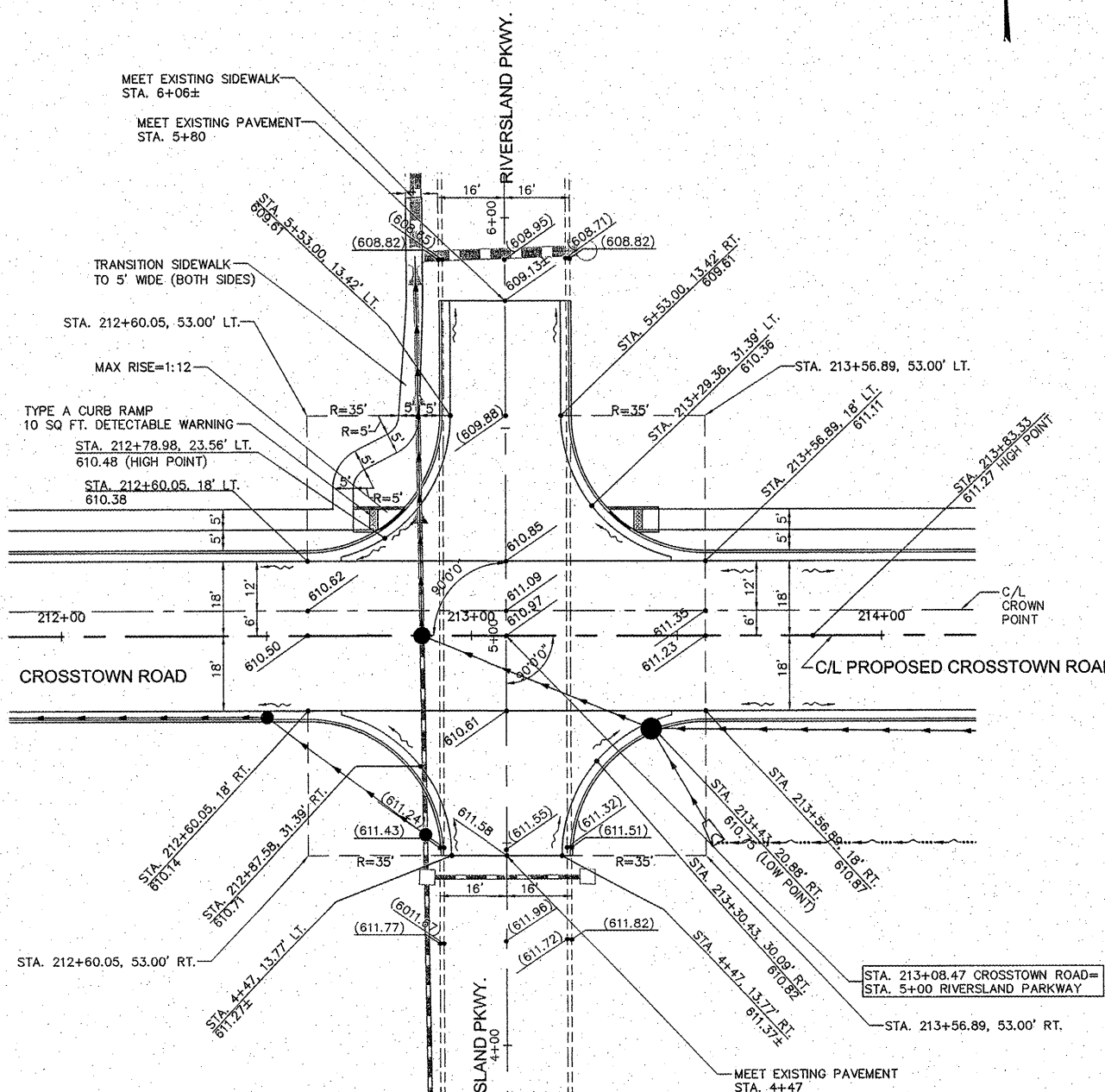
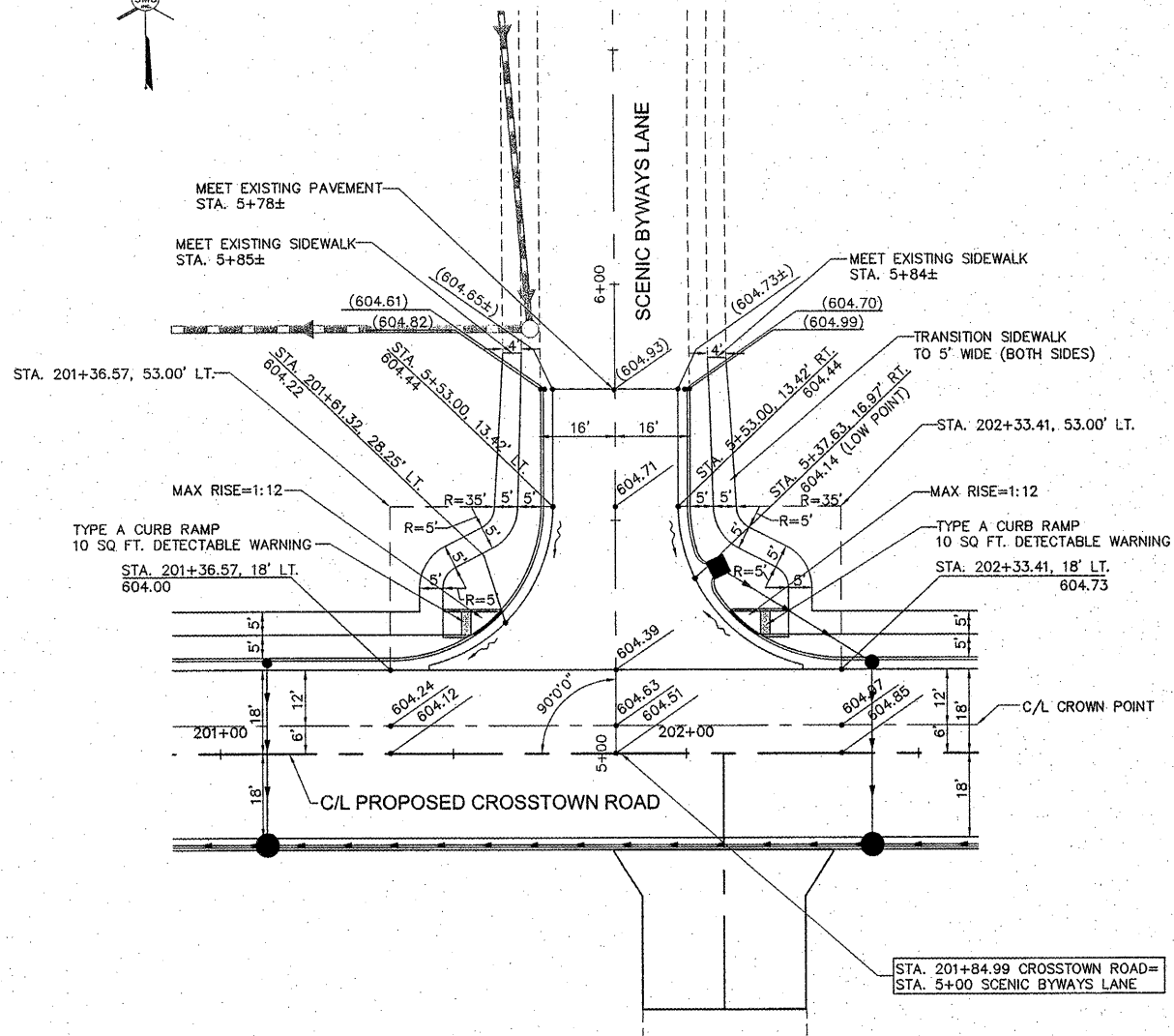
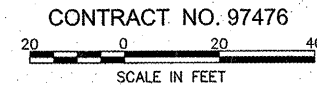
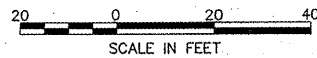


NO.	DESCRIPTION

SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 216 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-4700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-00692

VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSSTOWN ROAD - PHASE 1 A
 EROSION CONTROL PLAN

P18 1 CTR ROADWAY EROSION CONTROL.DWG	
REF. BK.	PG.
DWG. NO.	237334
DSN. BY:	DEG
DWN. BY:	CAD
CHK. BY:	DEG
DATE:	APRIL, 2011
SCALE: 1" = 50'	
SHEET 15 OF 38	

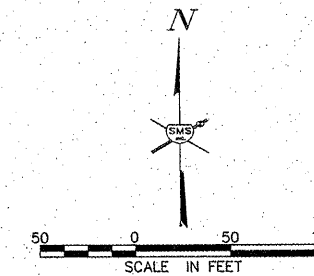
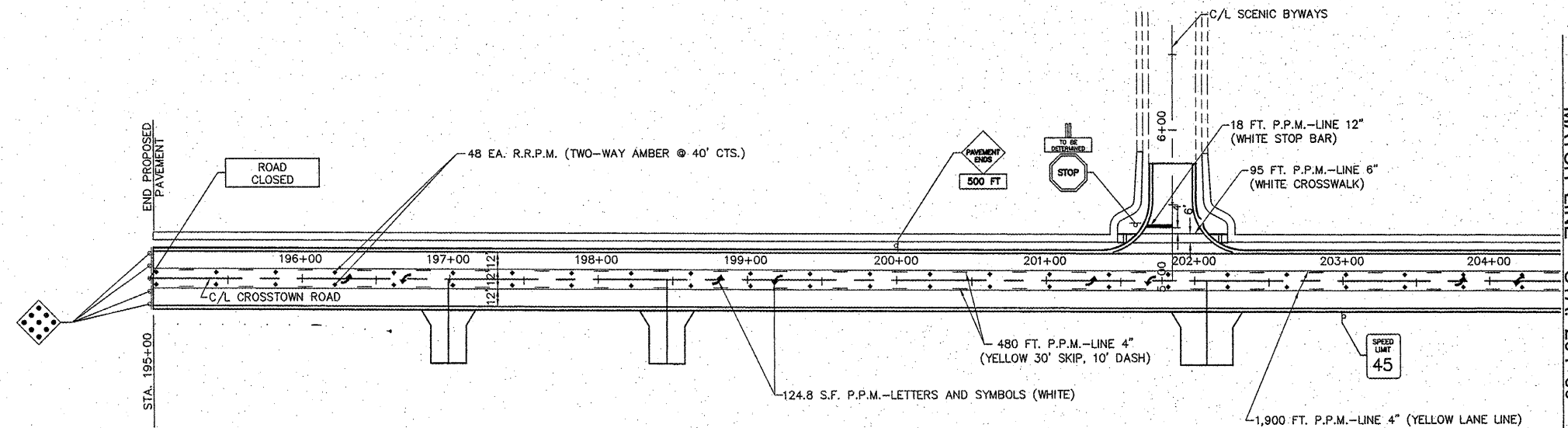


REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Walnut Street, P.O. Box E, Alton, IL 62002, 618/662-8755 E-mail: msm@smsshaab.com
10 Central Industrial Drive, Geneva City, IL 60136 618/677-6700 E-mail: mail@smsshaab.com
DESIGN FIRM # 184-000992
ENGINEERS

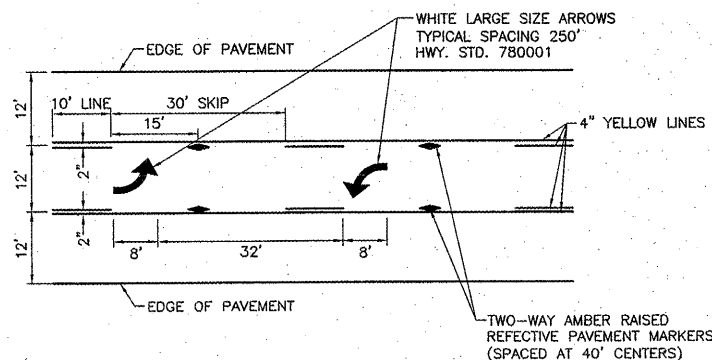
VILLAGE OF GODFREY, ILLINOIS
SECTION 04-00019-00-PV
CROSSTOWN ROAD - PHASE 1 A
INTERSECTION DETAILS

DWG. NO. 04-00019-00-PV
REF. BK. PG.
JOB NO. 237334
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: APRIL, 2011
SCALE: 1" = 20' H.
1" = 5' V.
SHEET 16 OF 38



NOTES

1. ALL LETTERS AND SYMBOLS SHALL BE LARGE SIZE (8 FT. LONG).
2. POLYUREA PAVEMENT MARKING IS ABBREVIATED AS P.P.M.
3. RAISED REFLECTIVE PAVEMENT MARKER IS ABBREVIATED AS R.R.P.M.



TYPICAL PAVEMENT MARKING DETAIL
NOT TO SCALE

PAVEMENT MARKING SCHEDULE

ITEM	QUANTITY	UNIT
POLYUREA PAVEMENT MARKING - LINE 4" (WHITE LANE LINE)	293	FOOT
POLYUREA PAVEMENT MARKING - LINE 4" (YELLOW LANE LINE)	5,884	FOOT
POLYUREA PAVEMENT MARKING - LINE 4" (YELLOW SKIP DASH)	1,470	FOOT
POLYUREA PAVEMENT MARKING - LINE 4" (SOLID DOUBLE YELLOW)	364	FOOT
POLYUREA PAVEMENT MARKING - LINE 4" (WHITE SKIP DASH)	48	FOOT
TOTAL 4"	8,059	FOOT
POLYUREA PAVEMENT MARKING - LINE 6" (WHITE CROSSWALK)	190	FOOT
POLYUREA PAVEMENT MARKING - LINE 8" (WHITE EDGELINE)	273	FOOT
POLYUREA PAVEMENT MARKING - LINE 12" (WHITE DIAGONALS)	163	FOOT
POLYUREA PAVEMENT MARKING - LINE 12" (WHITE STOP BAR)	54	FOOT
TOTAL 12"	217	FOOT
POLYUREA PAVEMENT MARKING - LINE 24" (WHITE STOP BAR)	60	FOOT
POLYUREA PAVEMENT MARKING - LETTERS AND SYMBOLS (WHITE)	452.4	SQ. FT.
PAINT CURB (WHITE)	64	FOOT
PRISMATIC CURB REFLECTORS (CRYSTAL)	12	EACH
RAISED REFLECTIVE PAVEMENT MARKER (TWO-WAY AMBER)	153	EACH
RAISED REFLECTIVE PAVEMENT MARKER (ONE-WAY CRYSTAL)	10	EACH
TOTAL R.R.P.M.	163	EACH

SIGNING SCHEDULE

LOCATION STATION	LEGEND OR TYPE	MUTCD SIGN DESIGNATION	SIZE	REMARKS	SIGN PANEL - TYPE 1 (SQ. FT.)	SIGN PANEL - TYPE 2 (SQ. FT.)	METAL POST - TYPE B (FT.)	TELESCOPING STEEL SIGN SUPPORT (FT.)
194+98 C/L	"ROAD CLOSED"	R11-2	48" X 30"	2 EA. 13.5' POSTS		10	27	
194+98 LT.	TYPE 4 OBJECT MARKER	OM4-1	18" X 18"		2.25		12.5	
194+98 RT.	TYPE 4 OBJECT MARKER	OM4-1	18" X 18"		2.25		12.5	
194+98 LT.	TYPE 4 OBJECT MARKER	OM4-1	18" X 18"		2.25		12.5	
194+98 RT.	TYPE 4 OBJECT MARKER	OM4-1	18" X 18"		2.25		12.5	
200+00 LT.	"PAVEMENT ENDS"	W8-3	36" X 36"		9		17.5	
	"500 FT."	W16-Za	30" X 18"		3.75			
201+60 LT.	"STOP"	R1-1	30" X 30"		6.25		16	
	"SCENIC BYWAYS LN"	D3-1	48" X 9"		3			
	"SCENIC BYWAYS LN"	D3-1	48" X 9"		3			
	TO BE DETERMINED	D3-1	48" X 9"		3			
	TO BE DETERMINED	D3-1	48" X 9"		3			
203+00 RT.	"SPEED LIMIT 45"	R2-1	30" X 36"		7.5		13.5	
205+00 RT.	TWO-WAY LEFT TURN	R3-9B	24" X 36"		6		14	
211+00 LT.	TWO-WAY LEFT TURN	R3-9B	24" X 36"		6		14	
212+83 LT.	"STOP"	R1-1	30" X 30"		6.25		16	
	"RIVERSLAND PKWY"	D3-1	48" X 9"		3			
	"RIVERSLAND PKWY"	D3-1	48" X 9"		3			
	TO BE DETERMINED	D3-1	48" X 9"		3			
	TO BE DETERMINED	D3-1	48" X 9"		3			
213+36 RT.	"STOP"	R1-1	30" X 30"		6.25		13.5	
215+00 RT.	TWO-WAY LEFT TURN	R3-9B	24" X 36"		6		14	
218+50 RT.	ADVANCE TRAFFIC SIGNAL	W3-3	36" X 36"		9.0		16	
222+00 LT.	"SPEED LIMIT 45"	R2-1	30" X 36"		7.5		13.5	
224+00 LT.	TWO-WAY LEFT TURN	R3-9B	24" X 36"		6		14	
TOTALS					113	10	174	66

REVISIONS

Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS

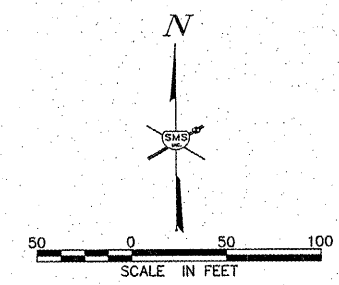
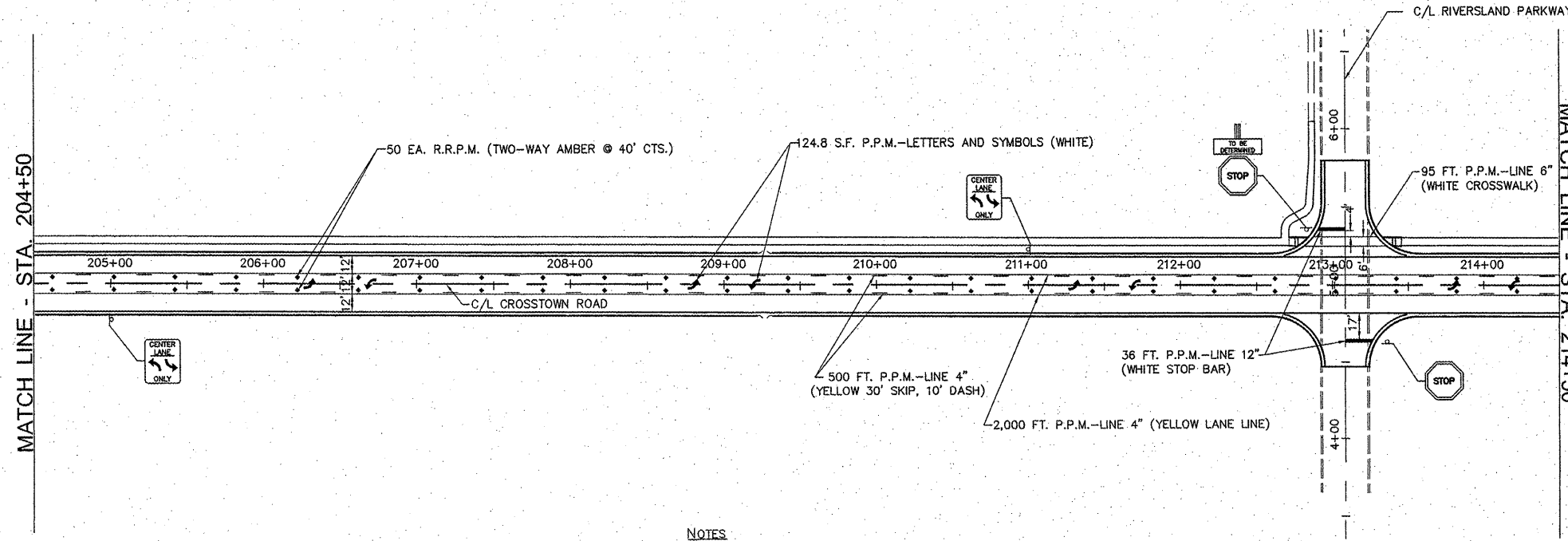


215 Warner Street, P.O. Box E, Alton, IL 62002 618/462-0755 E-mail: mail@smsengineers.com
10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-0700 E-mail: ms@smsengineers.com
DESIGN FIRM # 184-000992

VILLAGE OF GODFREY, ILLINOIS
SECTION 04-00019-00-PV
CROSSTOWN ROAD - PHASE 1 A
PAVEMENT MARKING AND SIGNING PLAN

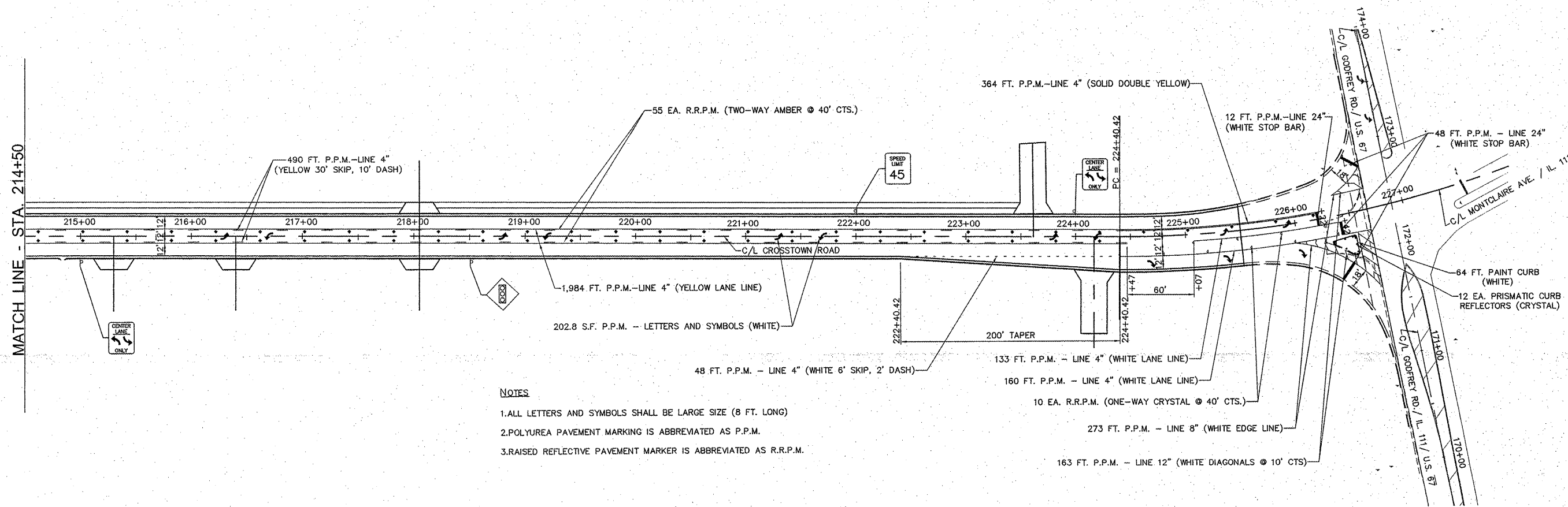
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REF. BK. PG.
JOB NO. 237334
DSN. BY: DEG
DWN. BY: CAD
CHK. BY: DEG
DATE: APRIL, 2011

SCALE: 1" = 50'
SHEET 17 OF 38



NOTES

1. ALL LETTERS AND SYMBOLS SHALL BE LARGE SIZE (8 FT. LONG)
2. POLYUREA PAVEMENT MARKING IS ABBREVIATED AS P.P.M.
3. RAISED REFLECTIVE PAVEMENT MARKER IS ABBREVIATED AS R.R.P.M.



NOTES

1. ALL LETTERS AND SYMBOLS SHALL BE LARGE SIZE (8 FT. LONG)
2. POLYUREA PAVEMENT MARKING IS ABBREVIATED AS P.P.M.
3. RAISED REFLECTIVE PAVEMENT MARKER IS ABBREVIATED AS R.R.P.M.

NO.	DESCRIPTION

SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618/283-9155 E-mail: sms@smsengineers.com
 110 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-8706 E-mail: ms@smsengineers.com
 DESIGN FIRM # 184-000992

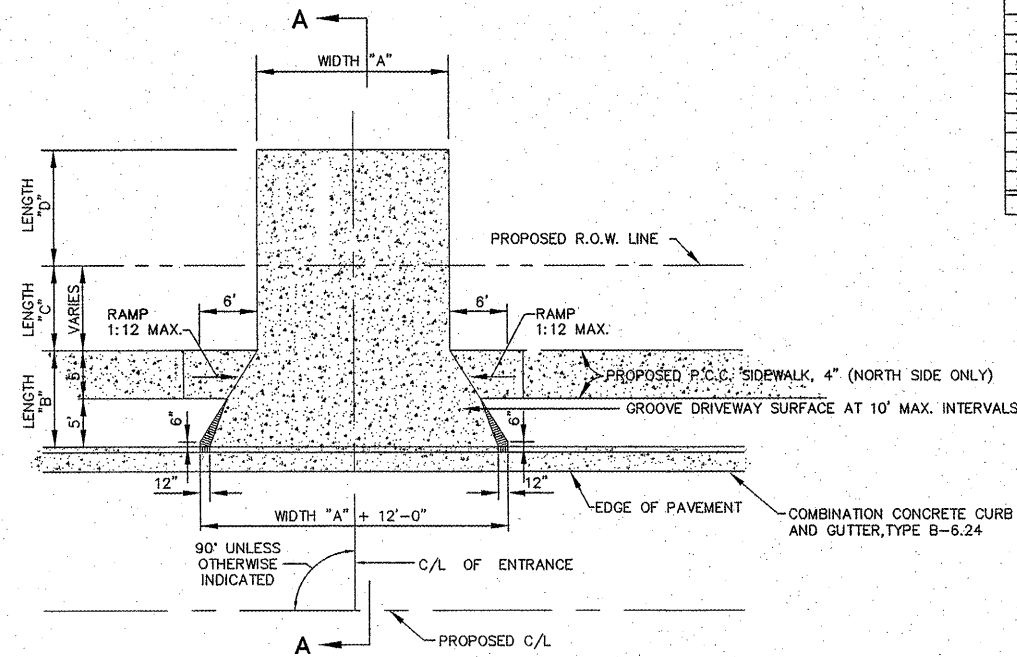
VILLAGE OF GODFREY, ILLINOIS
 SECTION 04-00019-00-PV
 CROSTOWN ROAD - PHASE 1 A
 PAVEMENT MARKING AND SIGNING PLAN

THIS IS CTR. ROADWAY PAVT. MARKING/DWG
REF. BK. PG.
JOB NO. 237334
DSN. BY: DEG
DWN. BY: CAD
CHK. BY: DEG
DATE: APRIL 2011
SCALE: 1" = 50'
SHEET 18 OF 38

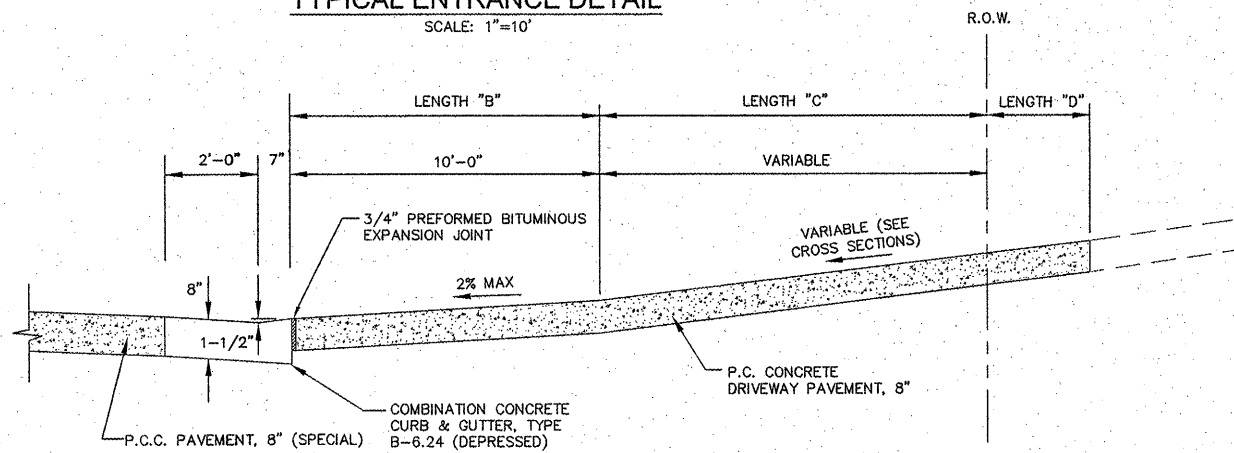
ENTRANCE SCHEDULE

CONTRACT NO. 97476

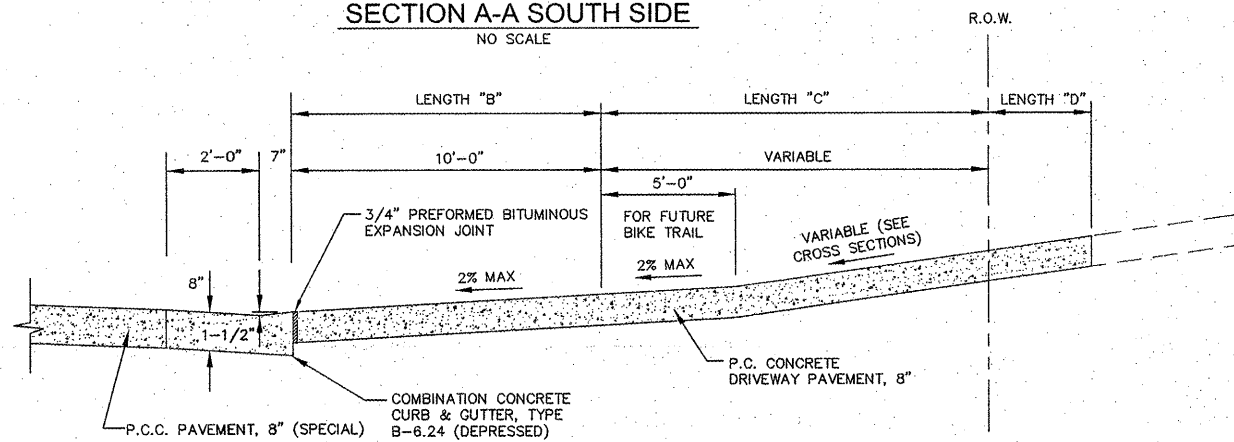
STATION	TYPE OF ENTRANCE	WIDTH "A"	LENGTH "B"	LENGTH "C"	LENGTH "D"	P.C.C. DRIVEWAY PAVT., 8" (SQ. YDS.)
CROSSTOWN ROAD						
196+99 (RT)	C.E.	24.00'	10.0'	24.42'		98.8
198+46 (RT)	C.E.	24.00'	10.0'	24.42'		98.8
202+08 (RT)	C.E.	35.00'	10.0'	24.42'		140.2
215+30 (RT)	C.E.	24.00'	10.0'			33.7
216+40 (RT)	C.E.	24.00'	10.0'			33.7
218+05 (RT)	C.E.	24.00'	10.0'			33.7
218+05 (LT)	C.E.	24.00'	10.0'			33.7
223+61.53 (LT)	C.E.	24.00'	10.0'	24.42'	30.50'	180.0
224+16.94 (RT)	C.E.	24.00'	10.0'	22.15'	25.09'	159.7
TOTALS						812.3



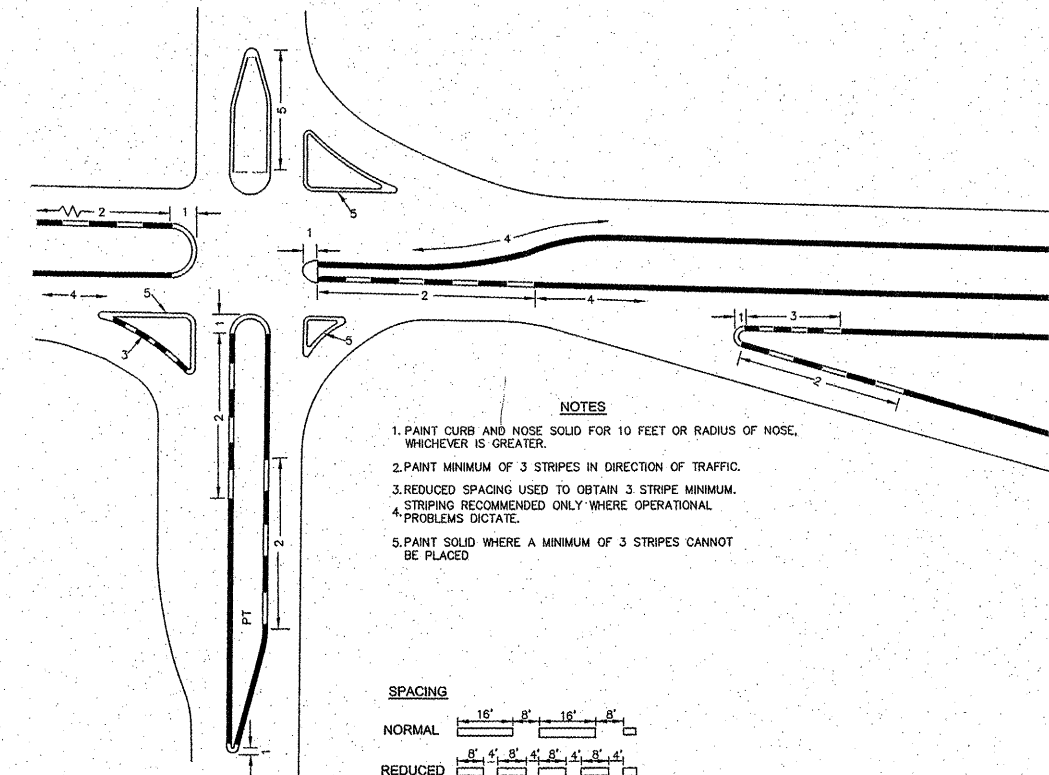
PLAN TYPICAL ENTRANCE DETAIL
SCALE: 1"=10'



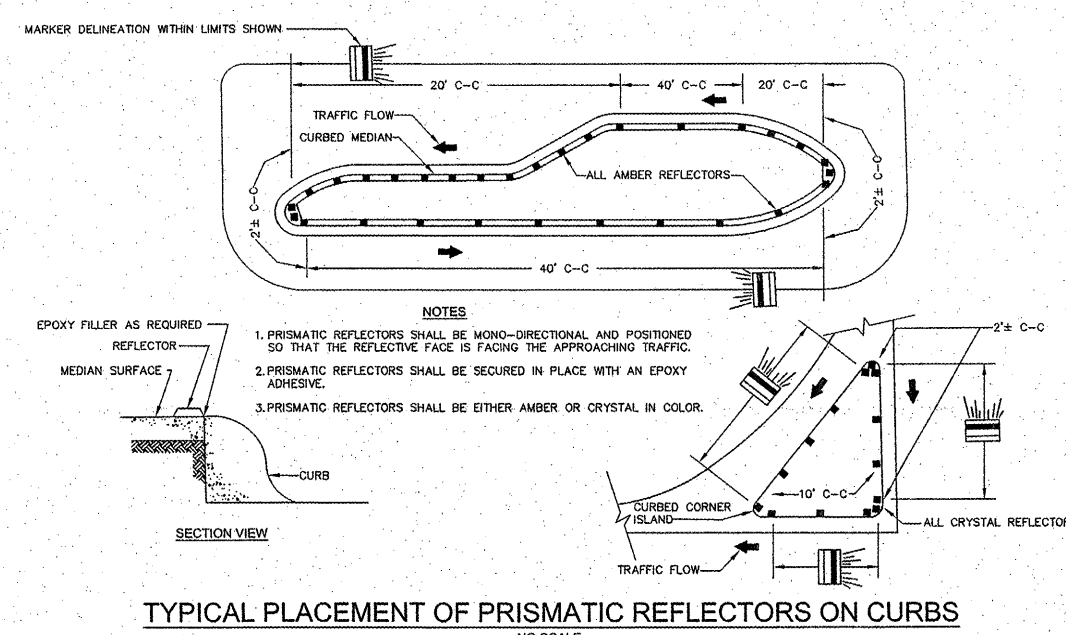
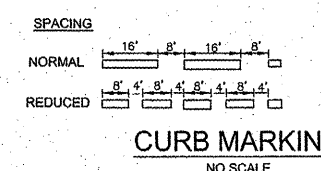
SECTION A-A SOUTH SIDE
NO SCALE



SECTION A-A NORTH SIDE
NO SCALE



- NOTES**
1. PAINT CURB AND NOSE SOLID FOR 10 FEET OR RADIUS OF NOSE, WHICHEVER IS GREATER.
 2. PAINT MINIMUM OF 3 STRIPES IN DIRECTION OF TRAFFIC. STRIPING RECOMMENDED ONLY WHERE OPERATIONAL.
 3. REDUCED SPACING USED TO OBTAIN 3 STRIPE MINIMUM.
 4. PROBLEMS DICTATE.
 5. PAINT SOLID WHERE A MINIMUM OF 3 STRIPES CANNOT BE PLACED.



TYPICAL PLACEMENT OF PRISMATIC REFLECTORS ON CURBS
NO SCALE

REVISIONS

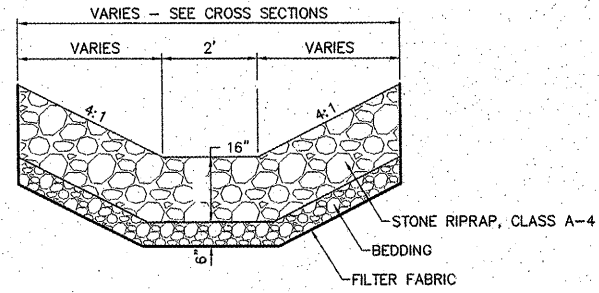
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
216 Markel Street, P.O. Box E, Alton, IL 62002 618-462-9755 E-mail: msm@smsengineers.com
10 Central Industrial Drive, Granite City, IL 62040 618-977-9700 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

SMS ENGINEERS

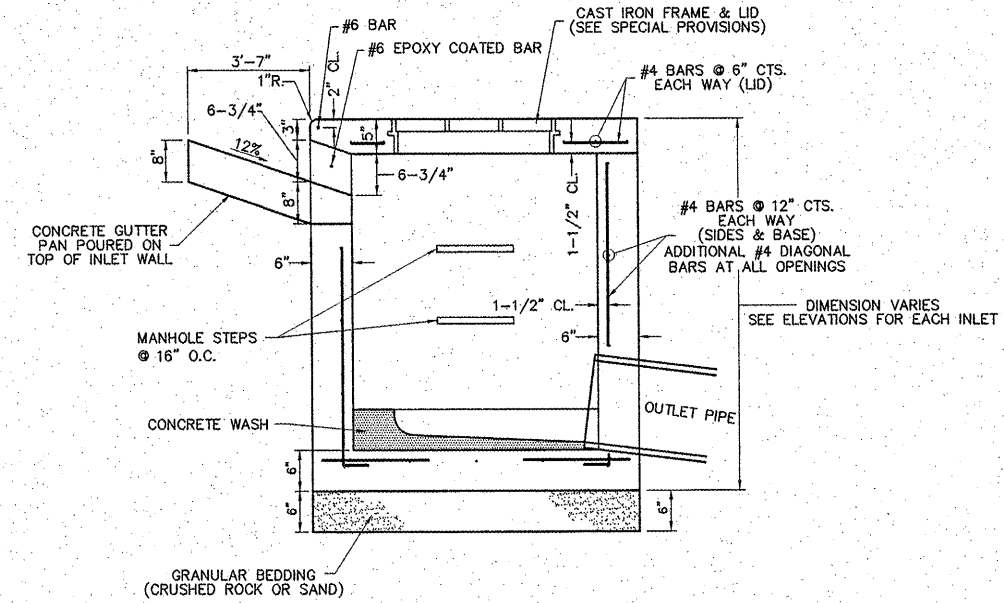
VILLAGE OF GODFREY, ILLINOIS
SECTION 04-00019-00-PV
CROSSTOWN ROAD - PHASE 1 A
ENTRANCE SCHEDULE AND DETAILS

DWG. NO. GCTR DWY SCH.dwg
REF. BK. PG. 11
JOB NO. 237334
DSN. BY: DEG
DWN. BY: CAD
CHK. BY: DEG
DATE: APRIL 2011

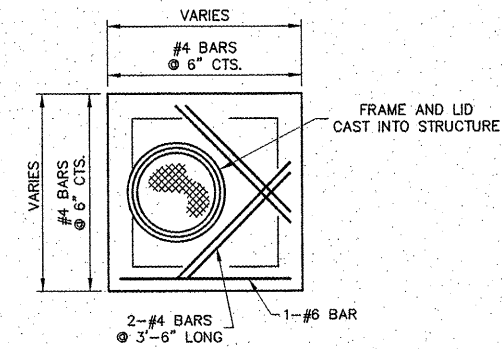
SCALE: AS SHOWN
SHEET 19 OF 38



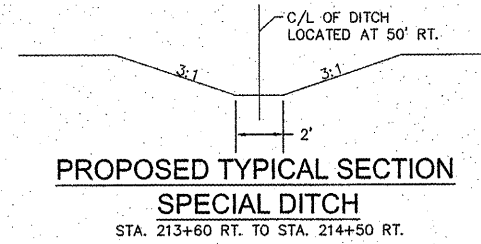
TYPICAL SECTION
RIPRAP DITCH - DETAIL A
NO SCALE



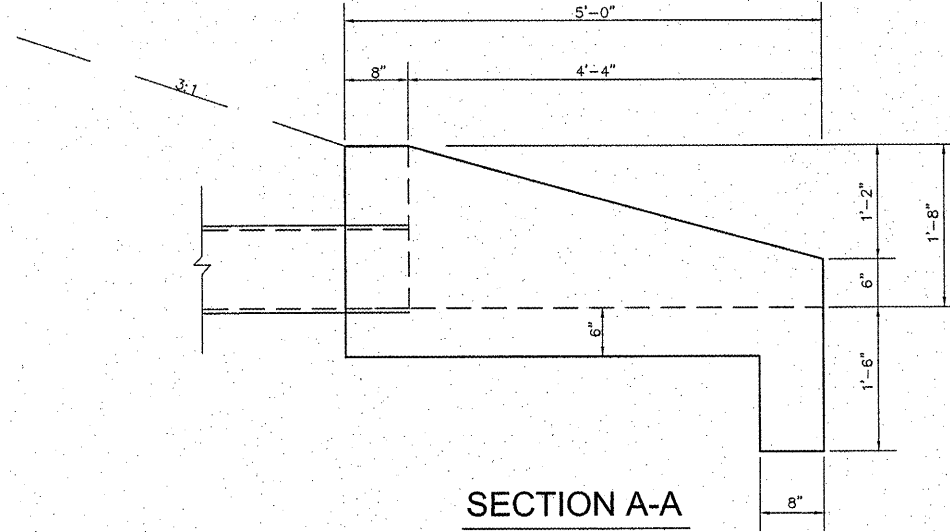
SECTION A-A
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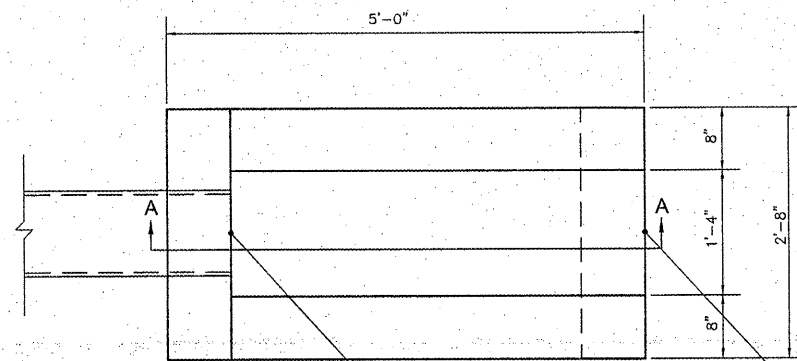
CONCRETE LID
NO SCALE



PROPOSED TYPICAL SECTION
SPECIAL DITCH
STA. 213+60 RT. TO STA. 214+50 RT.



SECTION A-A



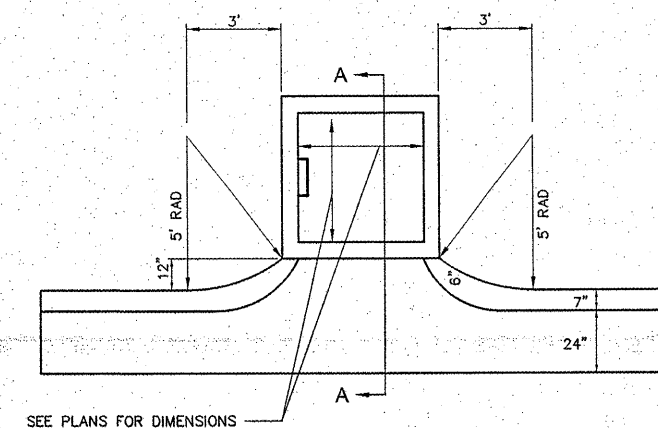
CAST-IN-PLACE REINFORCED
CONCRETE END SECTIONS, 10"
PLAN

STA. 194+33.67, F.L.=591.60
STA. 193+94.17, F.L.=591.44

STA. 194+38, F.L.=591.64
STA. 193+89.84, F.L.=591.42

CAST-IN-PLACE REINFORCED
CONCRETE END SECTIONS, 10" NOTES

- NO.4 STEEL REINFORCING BARS SHALL BE PROVIDED AS SHOWN IN HIGHWAY STANDARD 542001 EXCEPT THE NUMBER OF BARS AND LENGTHS SHALL BE ADJUSTED TO MATCH THE GEOMETRY SHOWN IN THESE DETAILS.
- THE CONTRACTOR SHALL HAVE THE OPTION TO PRECAST THE END SECTIONS. IF END SECTIONS ARE PRECAST, THE TOE WALLS SHALL BE CAST-IN-PLACE AND THE b1 ANGLE BARS SHALL BE EPOXY COATED AND CAST INTO THE FLOOR.



INLET BOX, SPECIAL PLAN
NO SCALE

REVISIONS

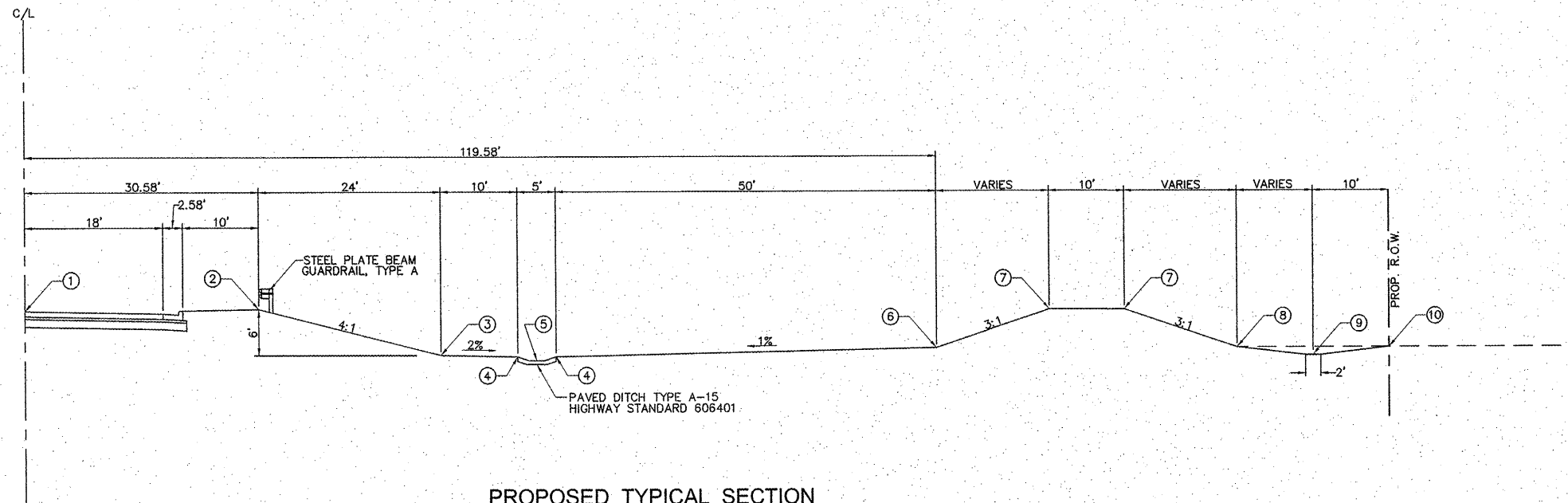
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618/462-3752 E-mail: mail@smsengineers.com
10 Central Industrial Drive, Granite City, IL 62040 618/877-5700 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000592



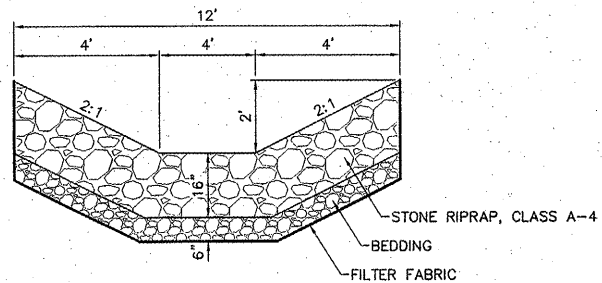
VILLAGE OF GODFREY, ILLINOIS
SECTION 04-00019-00-PV
CROSSTOWN ROAD - PHASE 1 A
CONSTRUCTION DETAILS

DWG. NO.
GCTR ROADWAY DETAILS.dwg
REF. BK. PG.
JOB NO. 237334
DSN. BY: DEG
DWN. BY: CAD
CHK. BY: DEG
DATE: APRIL, 2011
SCALE: AS SHOWN
SHEET 20 OF 38

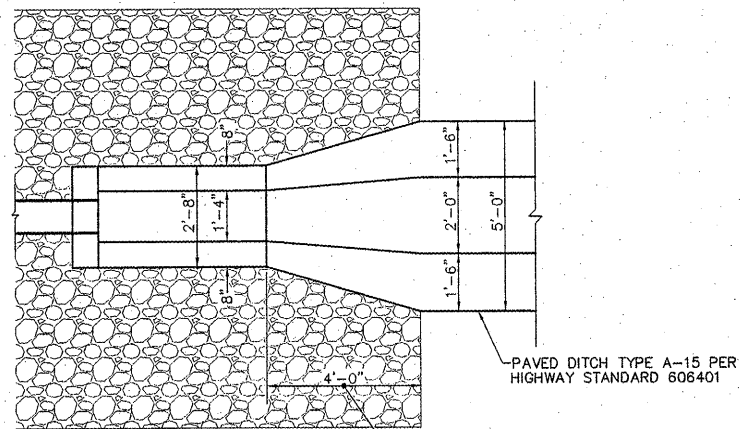
DETENTION BASIN GRADING TABLE		
POINT NO.	DESCRIPTION	FORMULA
①	C/L PROFILE GRADE	C/L ELEV.
②	TOP OF 4:1 SLOPE	C/L ELEV. + 0.22
③	TOE OF 4:1 SLOPE	C/L ELEV. - 5.78
④	EDGE OF PAVED DITCH	C/L ELEV. - 5.98
⑤	F.L. OF PAVED DITCH	C/L ELEV. - 6.48
⑥	TOE OF 3:1 SLOPE	C/L ELEV. - 5.48
⑦	TOP OF 3:1 SLOPE	598.64 (CONSTANT)
⑧	TOE OF 3:1 SLOPE	F.L. SWALE +1.00'
⑨	SWALE	SEE CROSS SECTIONS
⑩	R.O.W. LINE	MEET EXISTING GROUND



**PROPOSED TYPICAL SECTION
CROSTOWN ROAD AT DETENTION BASIN**
STA. 194+38 TO STA. 196+00
SCALE: 1"=10'

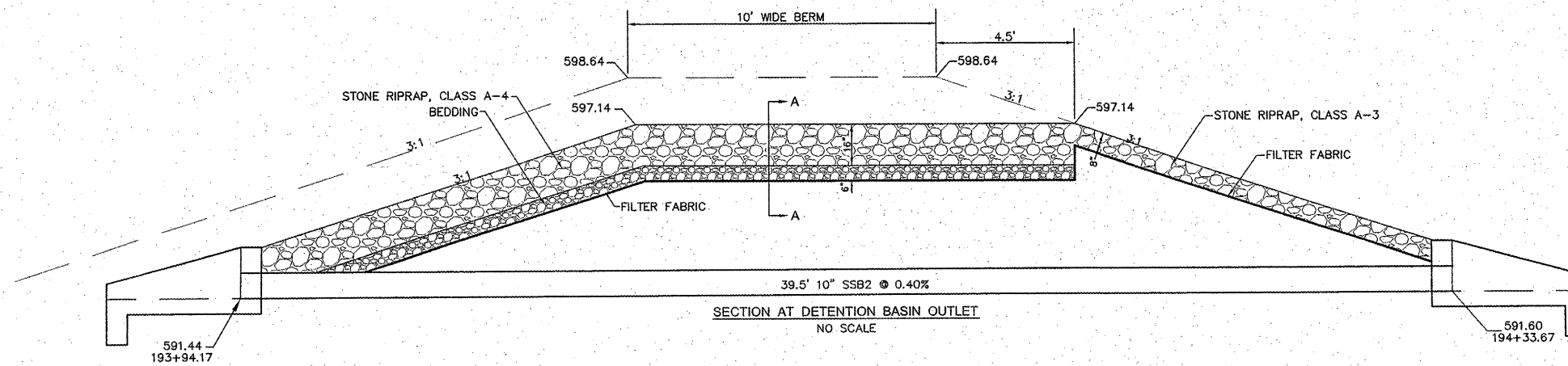


**TYPICAL SECTION
RIPRAP DITCH - DETAIL B**
NO SCALE

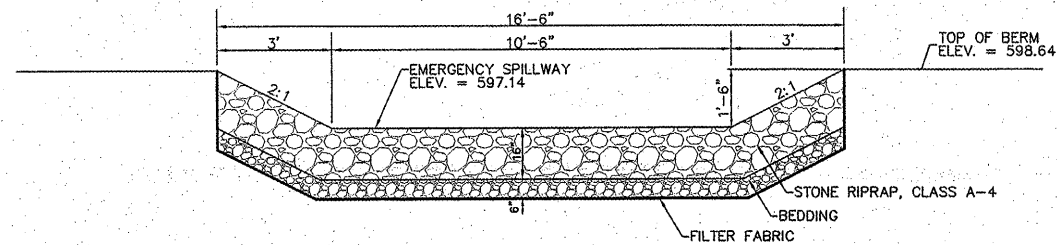


TRANSITION PAVED DITCH FROM STANDARD TYPICAL SECTION TO MEET THE SECTION OF THE CAST-IN-PLACE REINFORCED CONCRETE END SECTION TRANSITION IS TO BE INCLUDED IN THE COST OF PAVED DITCH, TYPE A-15

PAVED DITCH TRANSITION DETAIL



SECTION AT DETENTION BASIN OUTLET
NO SCALE



SECTION A-A
NO SCALE

REVISIONS

Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Western Street, P.O. Box E, Alton, IL 62002 618/462-0755 E-mail: mms@smsengineers.com
10 Central Industrial Drive, Granite City, IL 62040 618/877-4700 E-mail: mms@smsengineers.com
DESIGN FIRM # 181-000931



VILLAGE OF GODFREY, ILLINOIS
SECTION 04-00019-00-PV
CROSTOWN ROAD - PHASE 1 A
CONSTRUCTION DETAILS

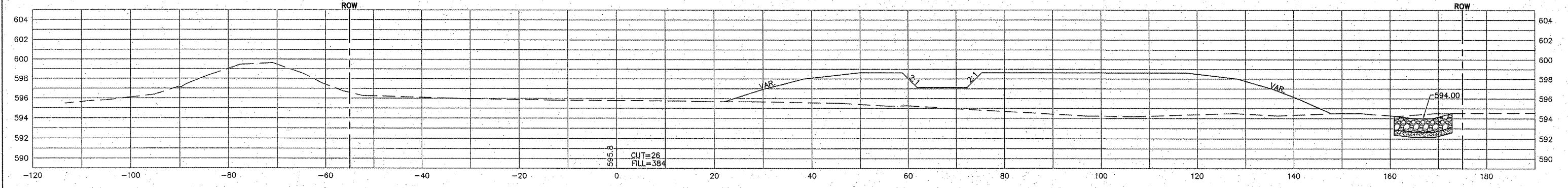
DWG. NO. P15 T CRR ROADWAY TYPICAL DETENTION
REF. BK. PG. -
JOB NO. 237334
DSN. BY: DEG
DWN. BY: CAD
CHK. BY: DEG
DATE: APRIL 2011
SCALE: AS SHOWN
SHEET 21 OF 38

SCALE: HORZ: 1"=10'
VERT: 1"=5'

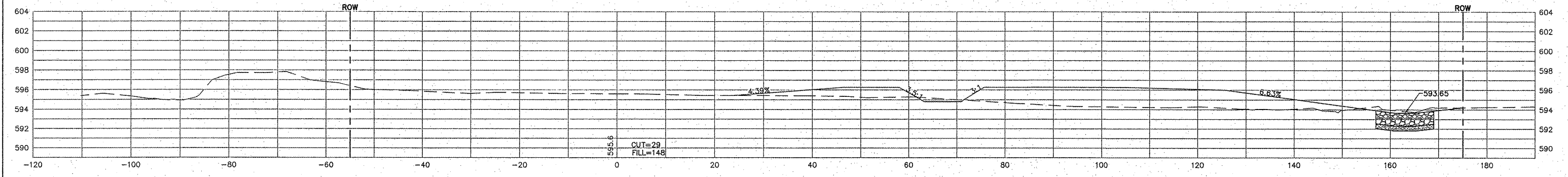
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	22

CONTRACT NO. 97476

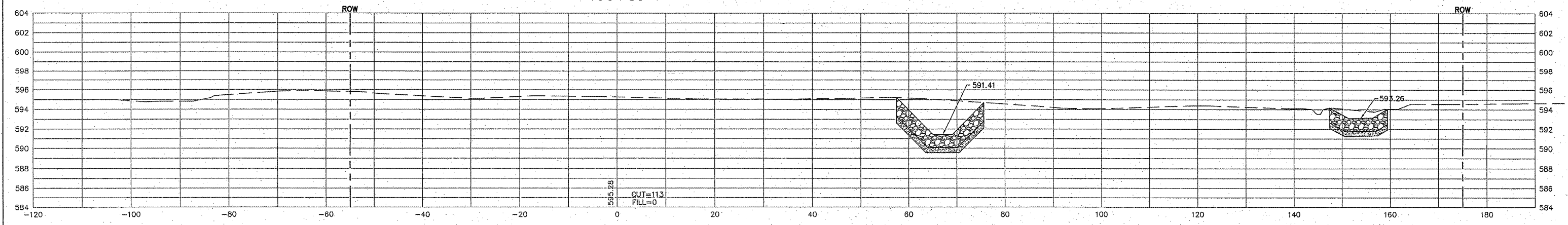
194+07



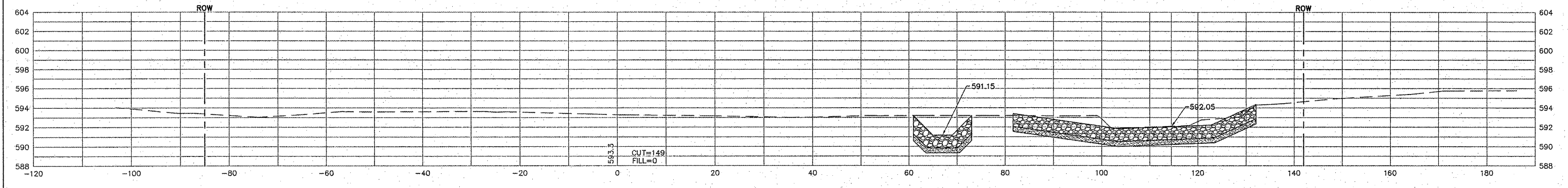
194+00



193+89



193+55

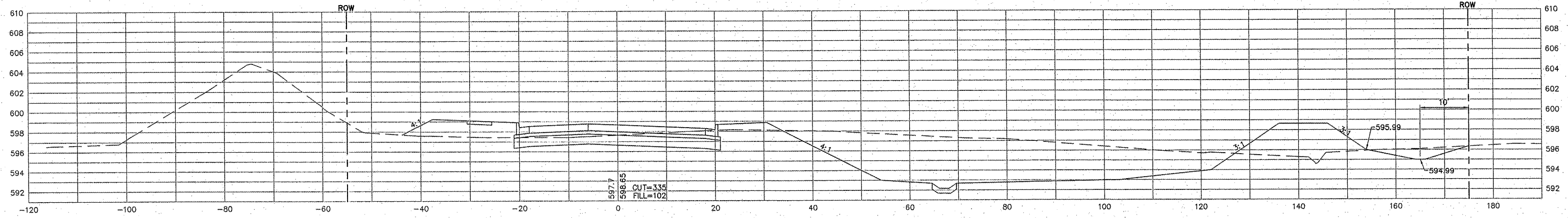


SCALE: HORZ: 1"=10'
VERT: 1"=5'

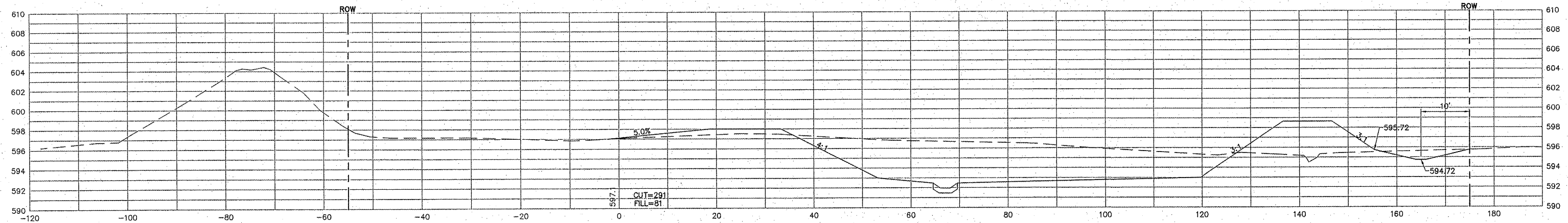
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04-00019-00-PV	MADISON	38	23

CONTRACT NO. 97476

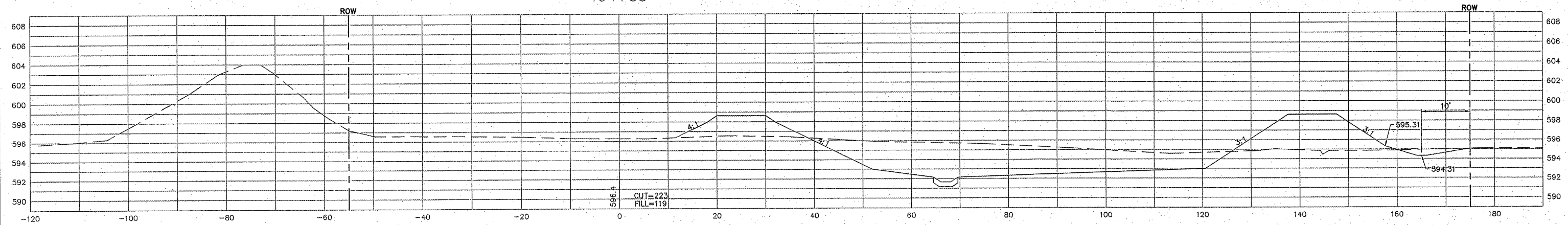
195+00



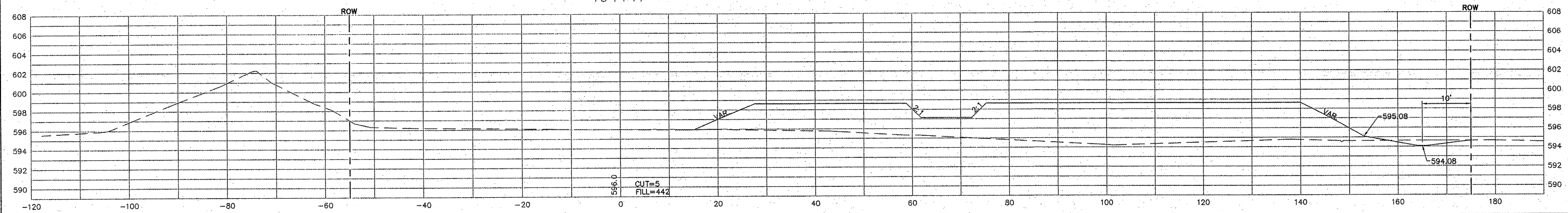
194+75



194+38



194+17

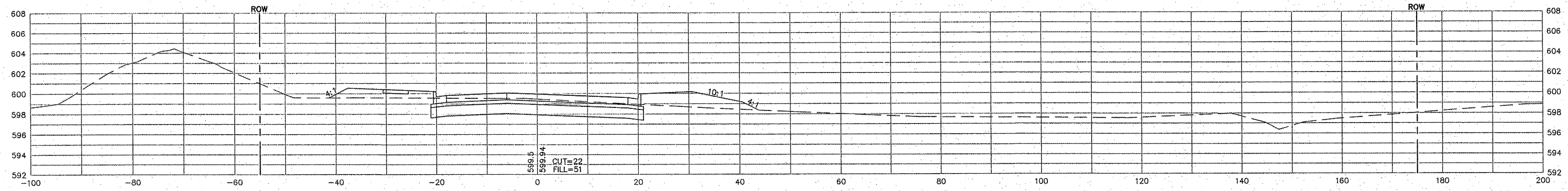


SCALE: HORZ: 1"=10'
VERT: 1"=5'

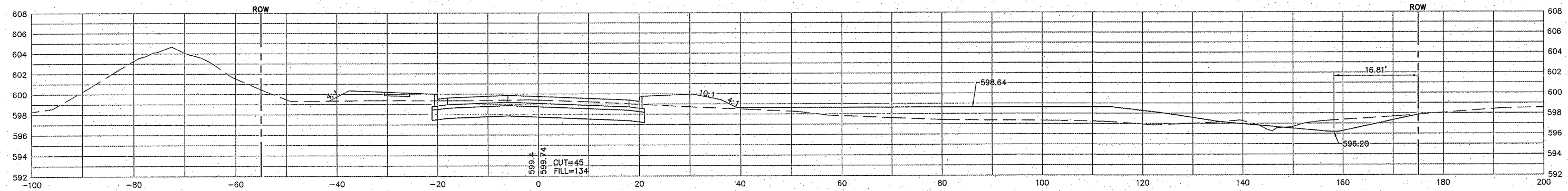
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	24

CONTRACT NO. 97476

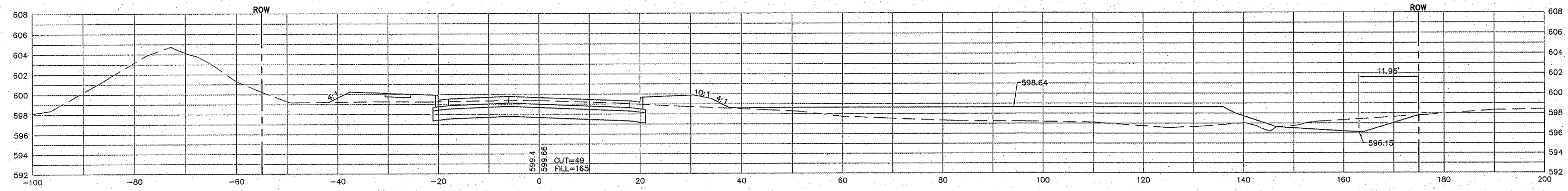
196+50



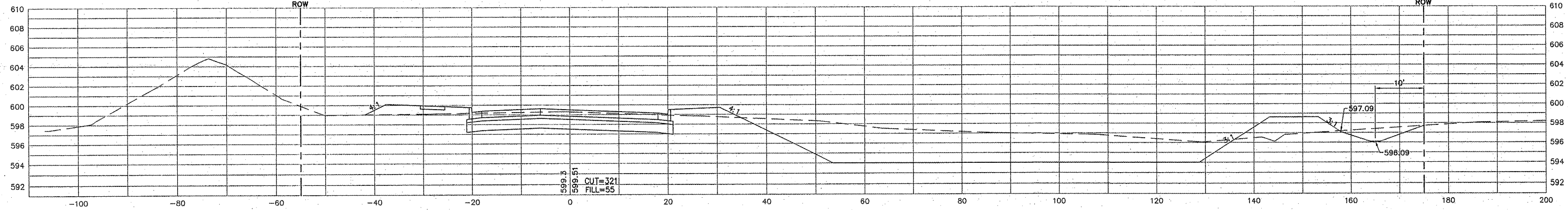
196+26.92



196+16.92



196+00

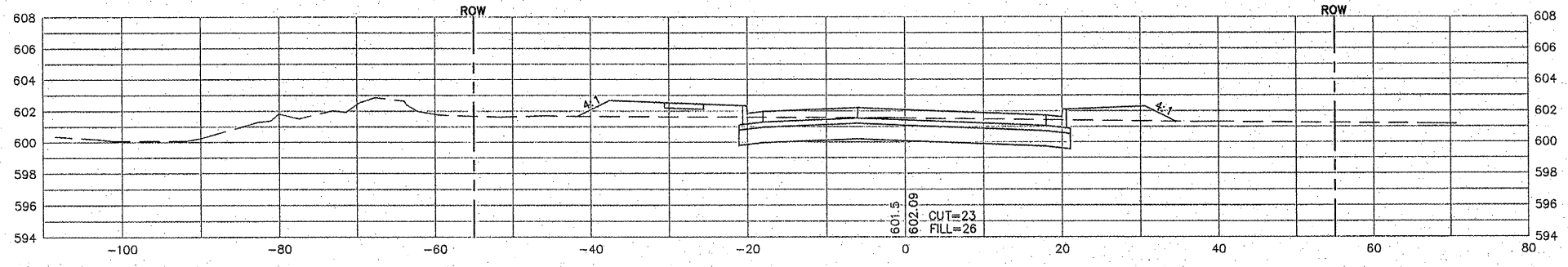


SCALE: HORZ: 1"=10'
VERT: 1"=5'

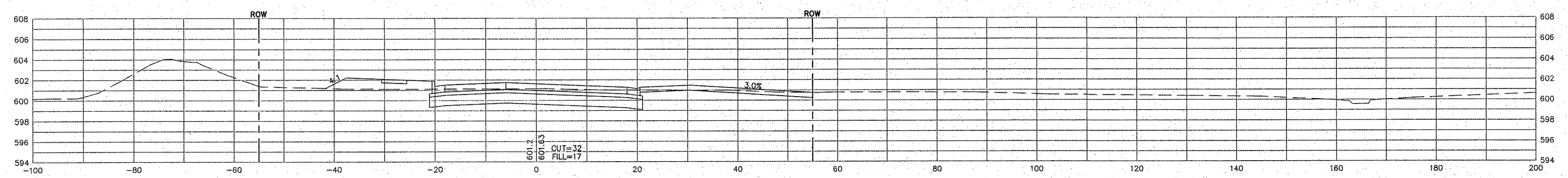
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	25

CONTRACT NO. 97476

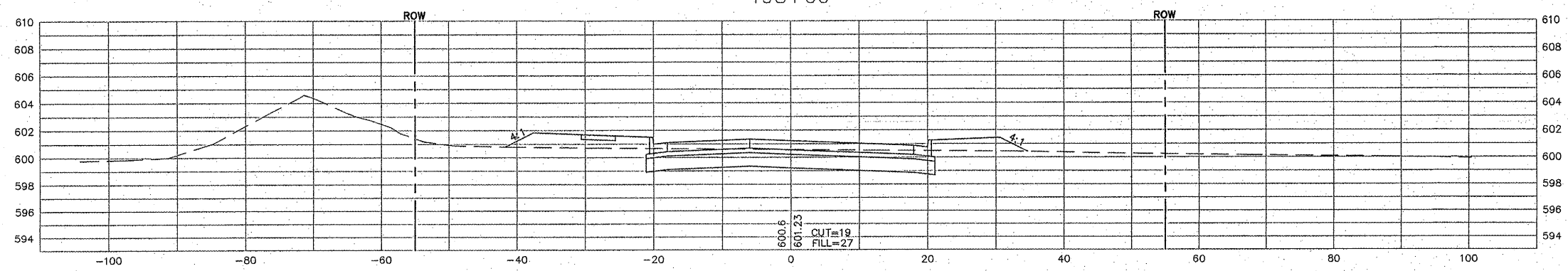
199+00



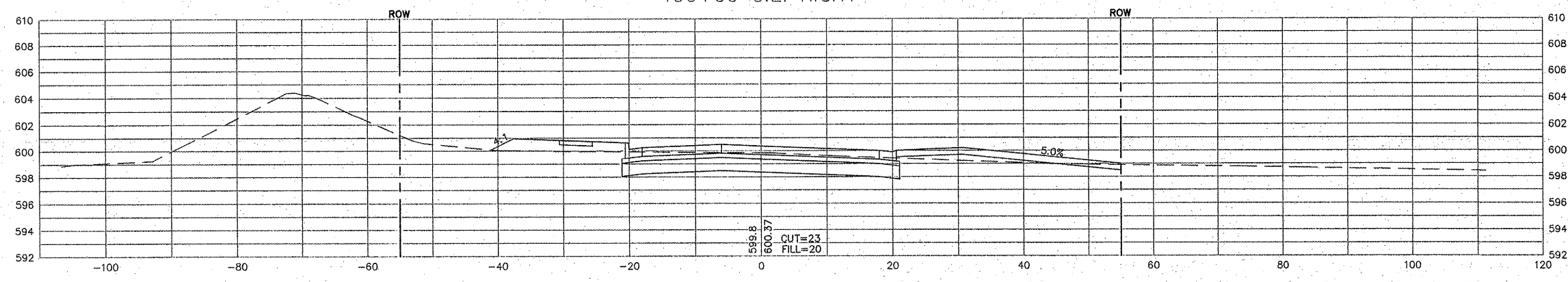
198+46 C.E. RIGHT



198+00



196+99 C.E. RIGHT

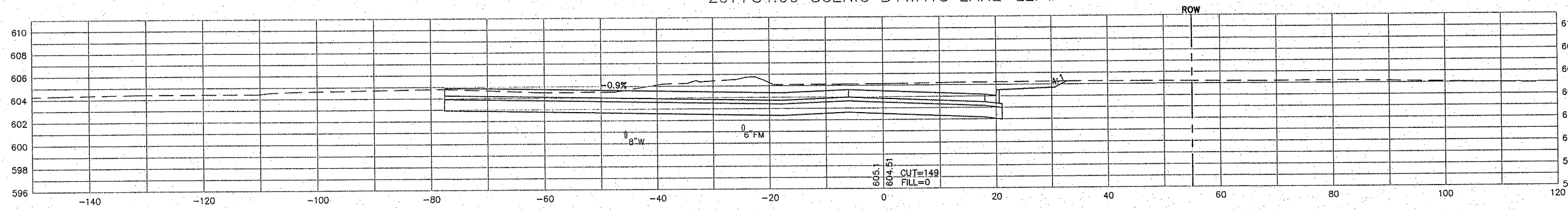


SCALE: HORZ: 1"=10'
VERT: 1"=5'

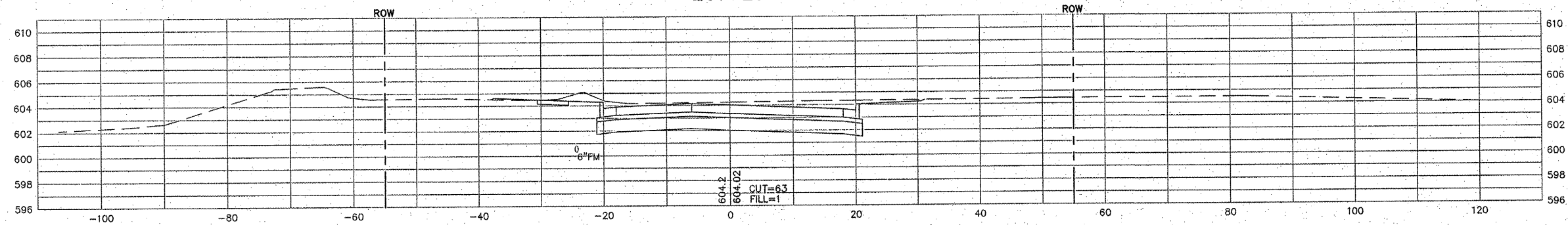
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	26

CONTRACT NO. 97476

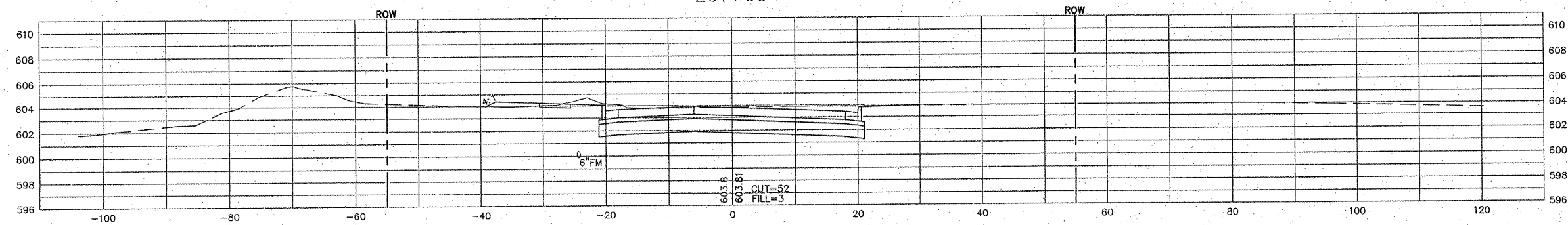
201+84.99 SCENIC BYWAYS LANE-LEFT



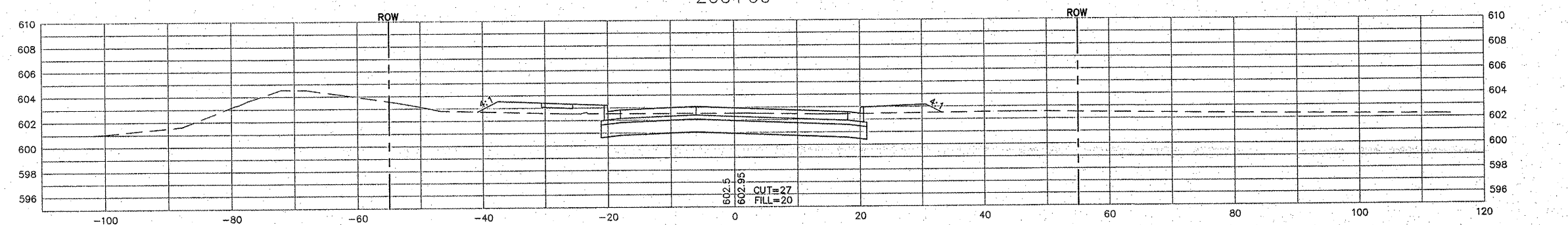
201+25



201+00



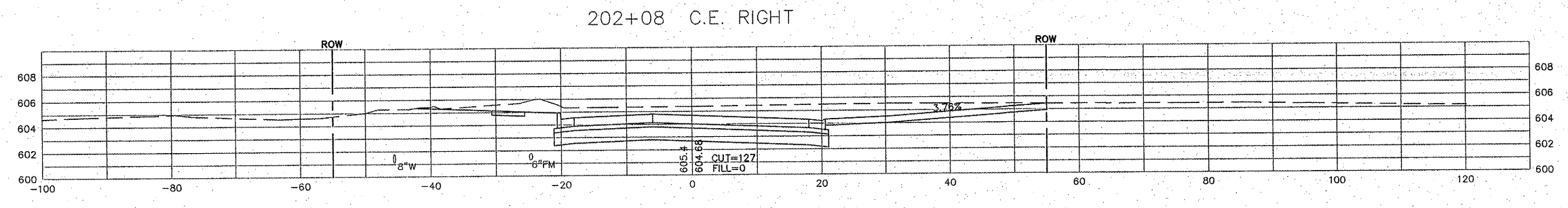
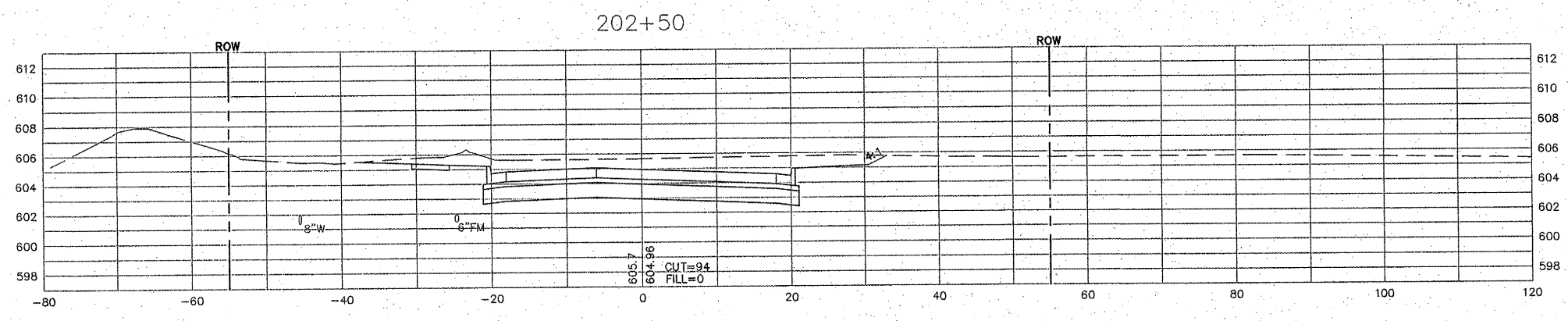
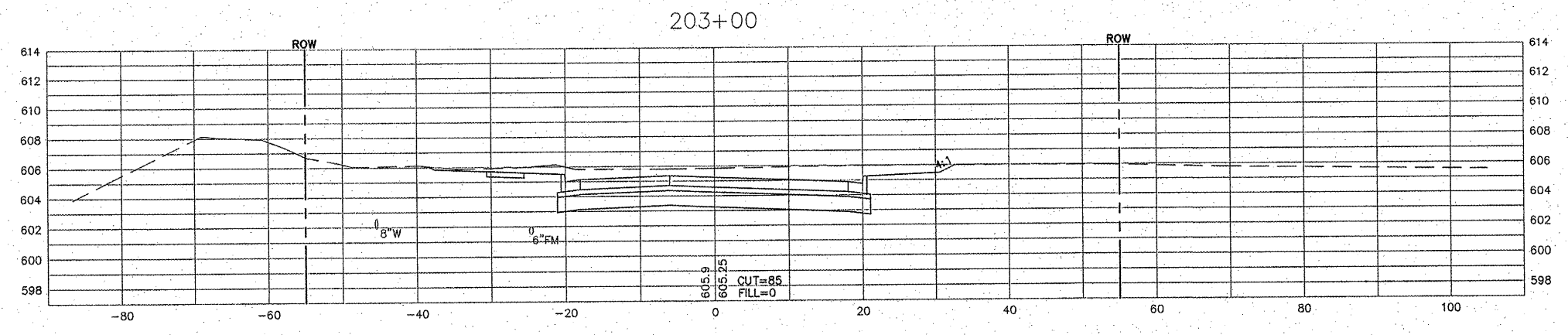
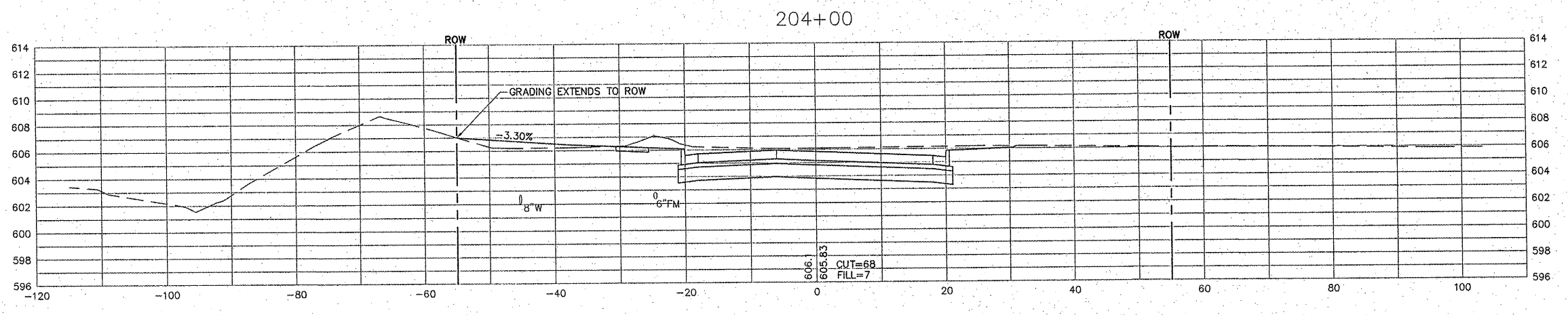
200+00



SCALE: HORIZ: 1"=10'
VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	27

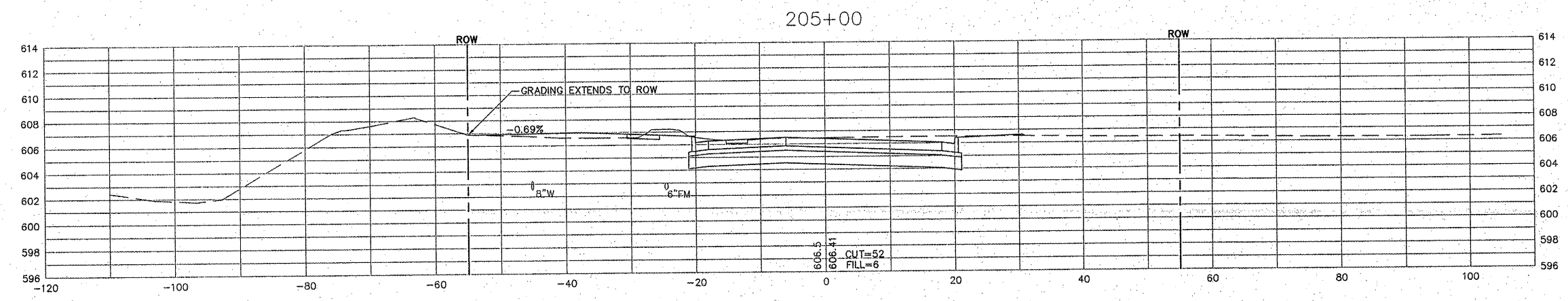
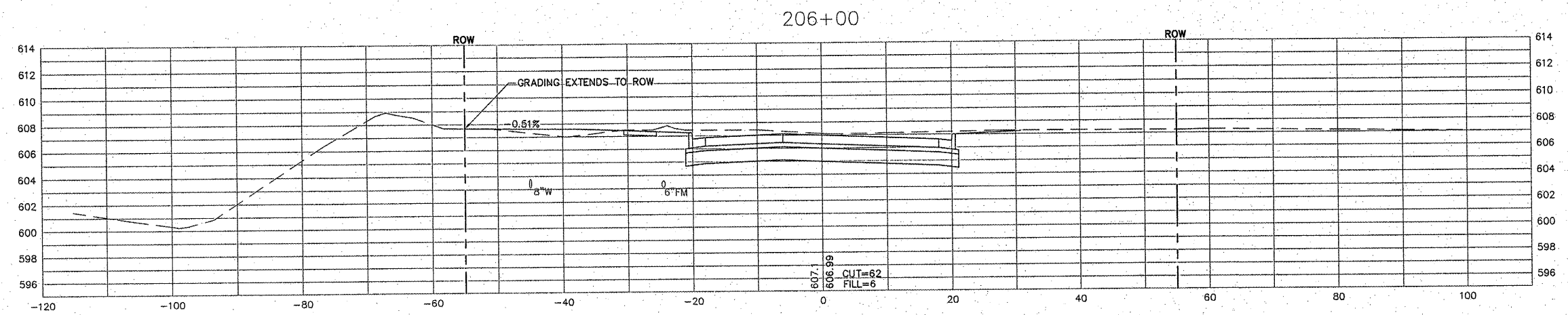
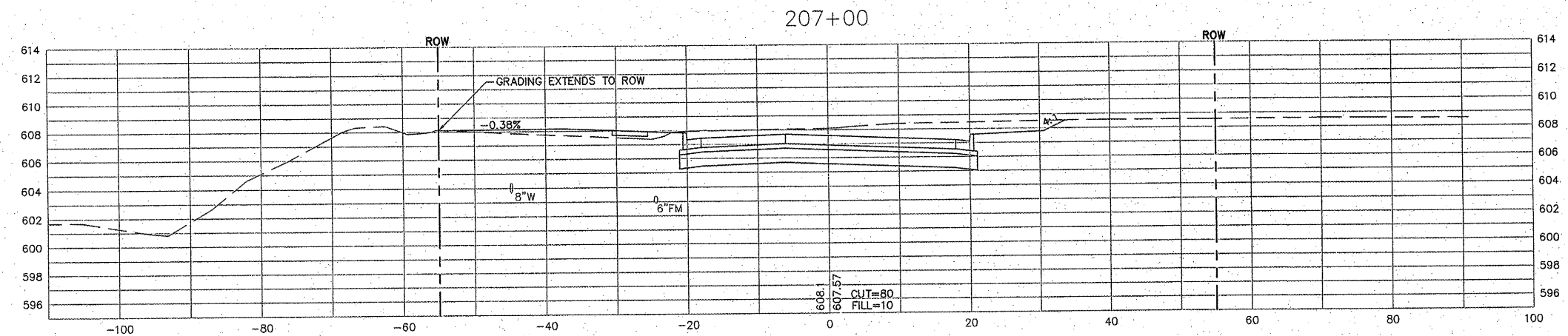
CONTRACT NO. 97476



SCALE: HORZ: 1"=10'
VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	28

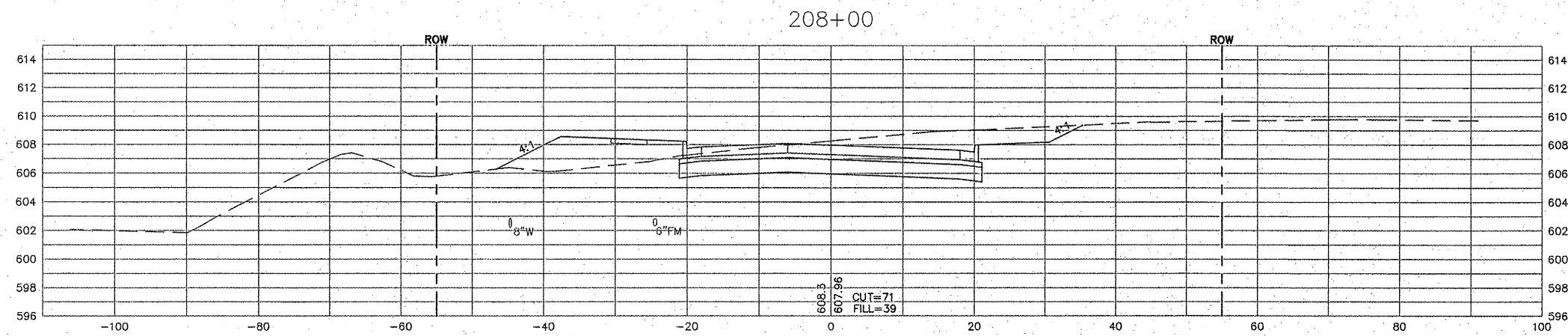
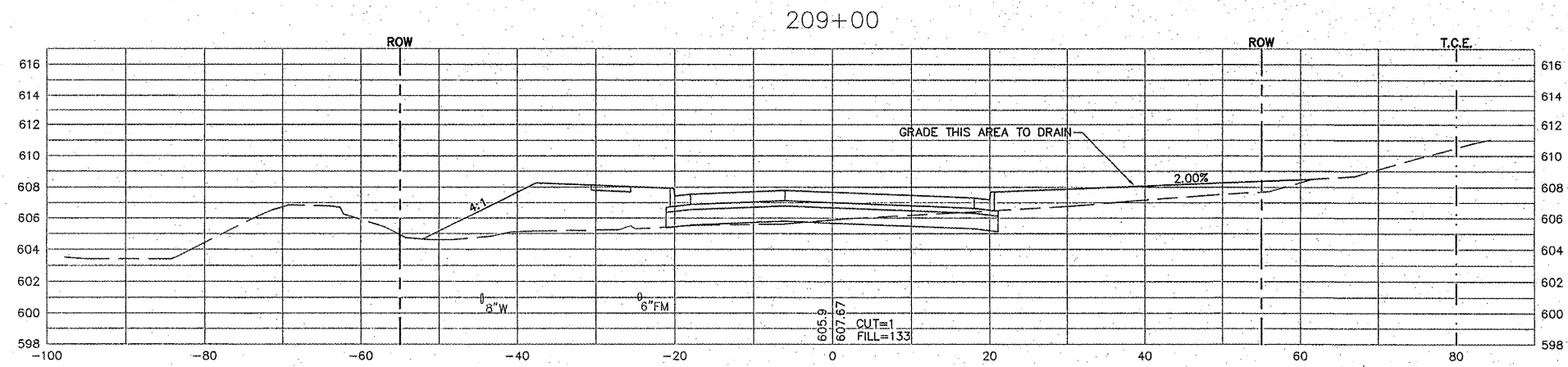
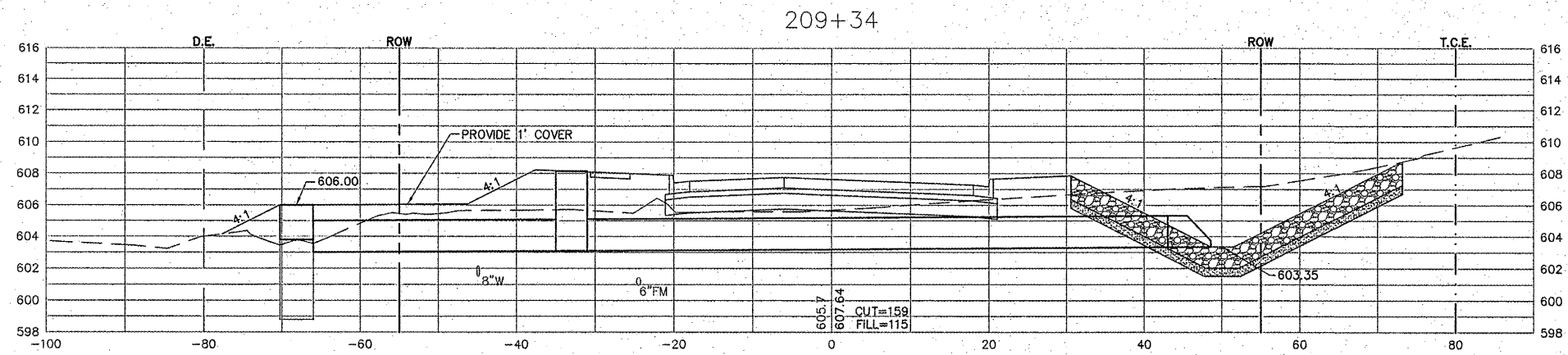
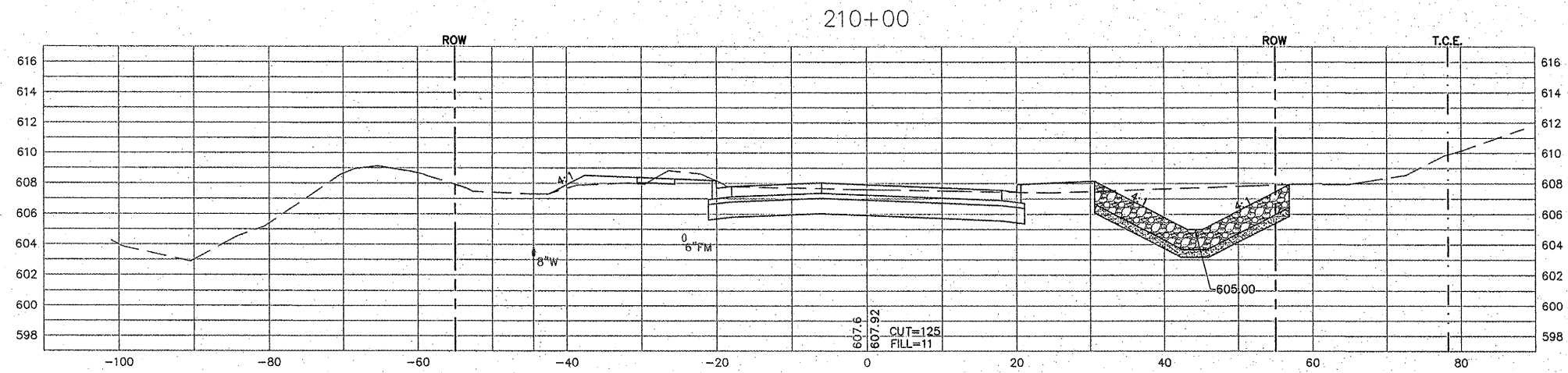
CONTRACT NO. 97476



SCALE: HORZ: 1"=10'
VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	29

CONTRACT NO. 97476

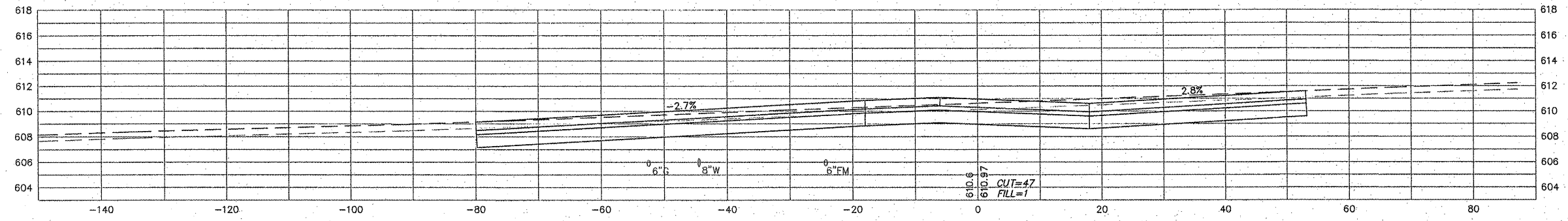


SCALE: HORZ: 1"=10'
VERT: 1"=5'

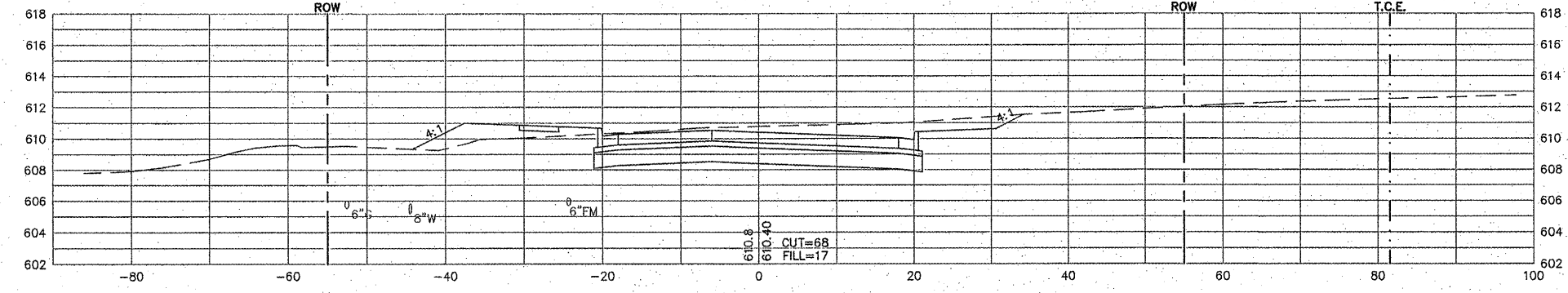
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	30

CONTRACT NO. 97476

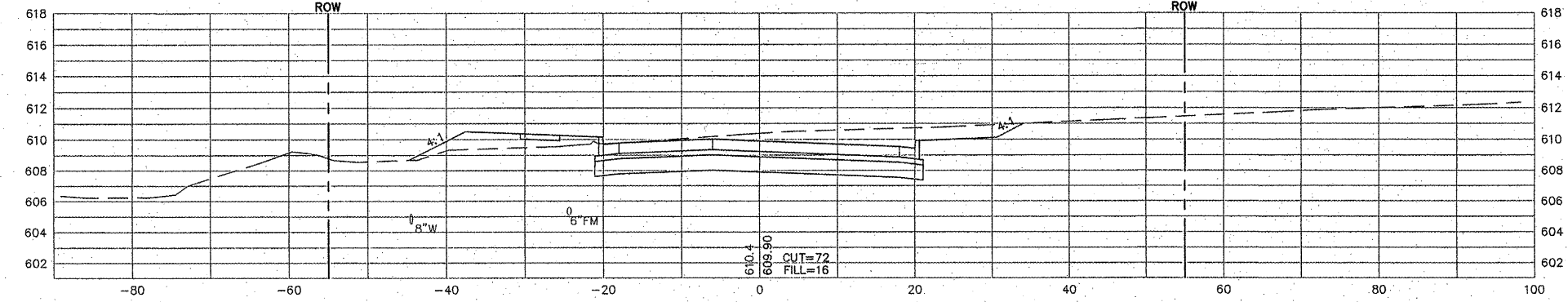
213+08.47 RIVERSLAND PARKWAY LEFT-RIGHT



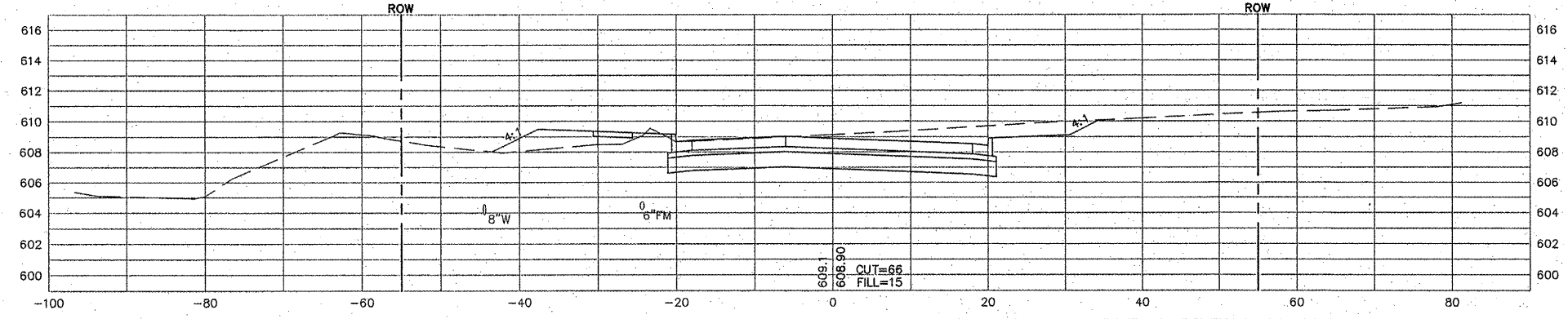
212+50



212+00



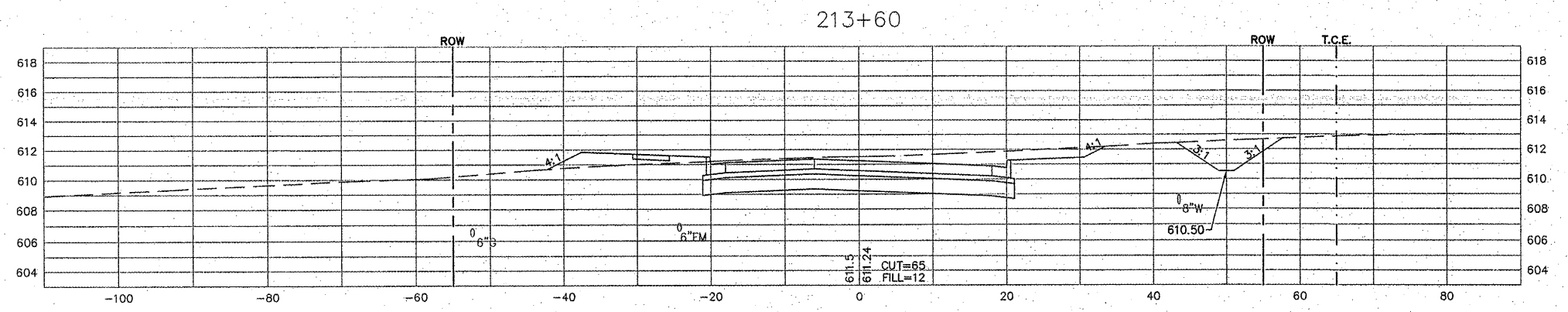
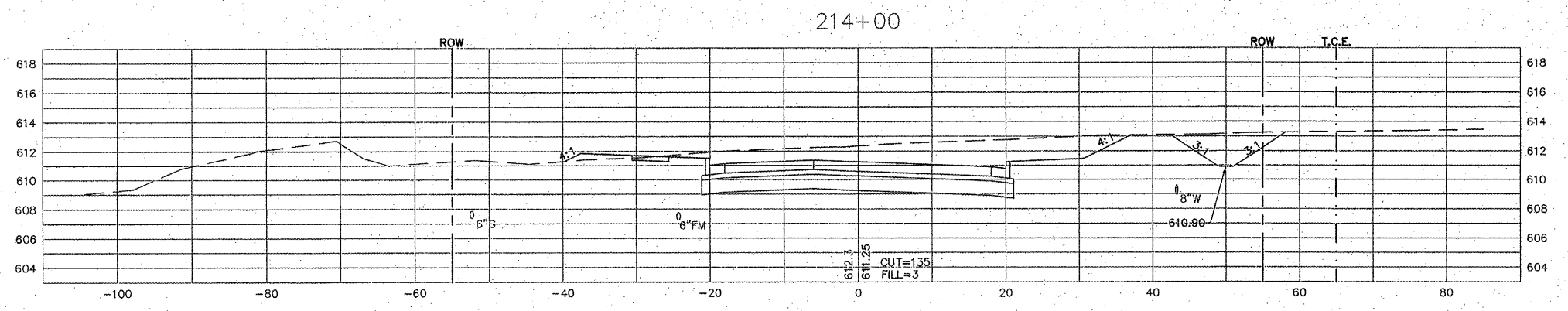
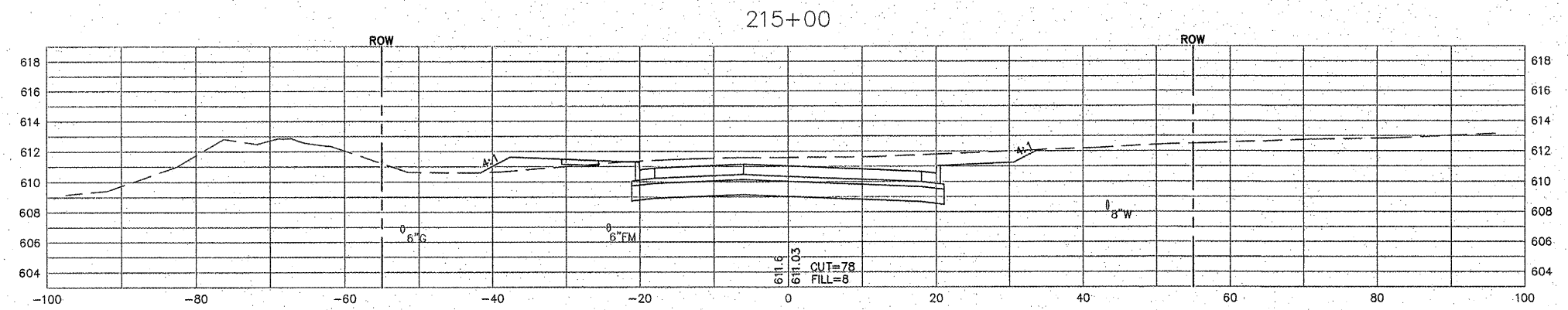
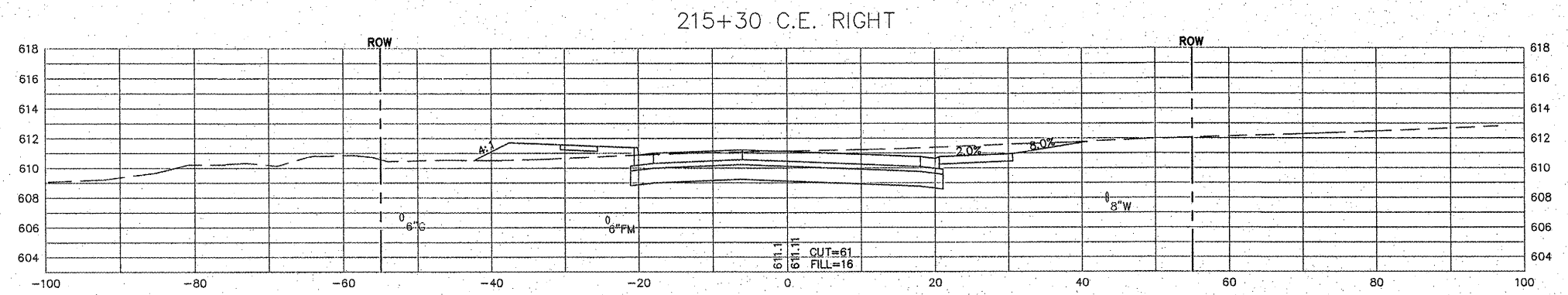
211+00



SCALE: HORZ: 1"=10'
 VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	31

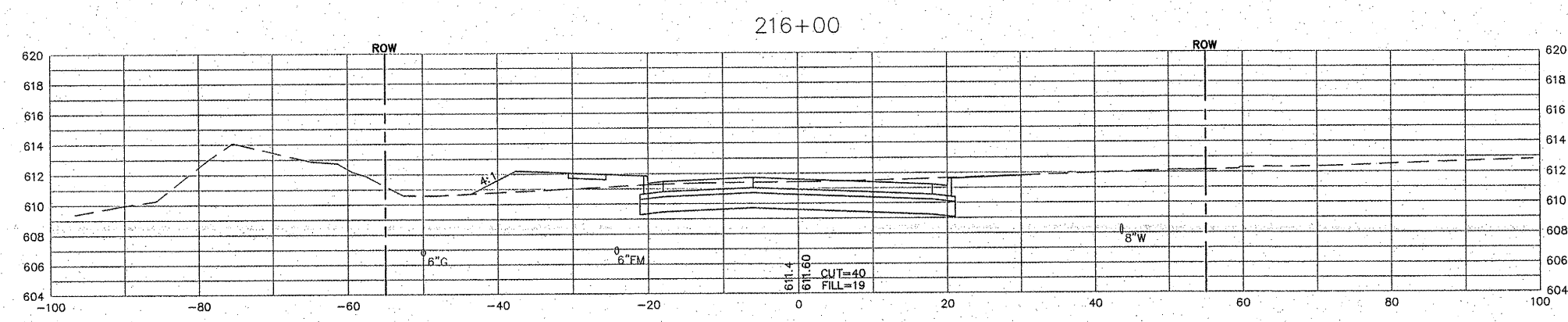
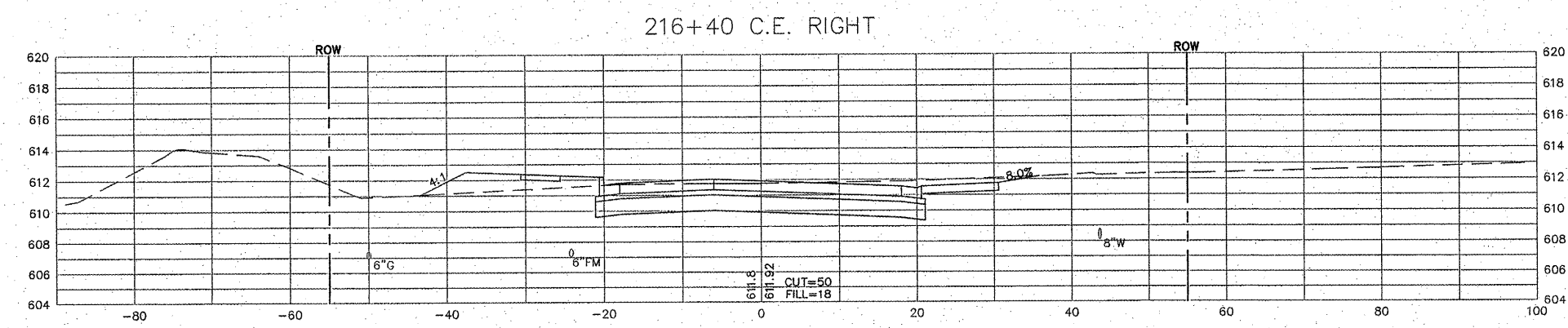
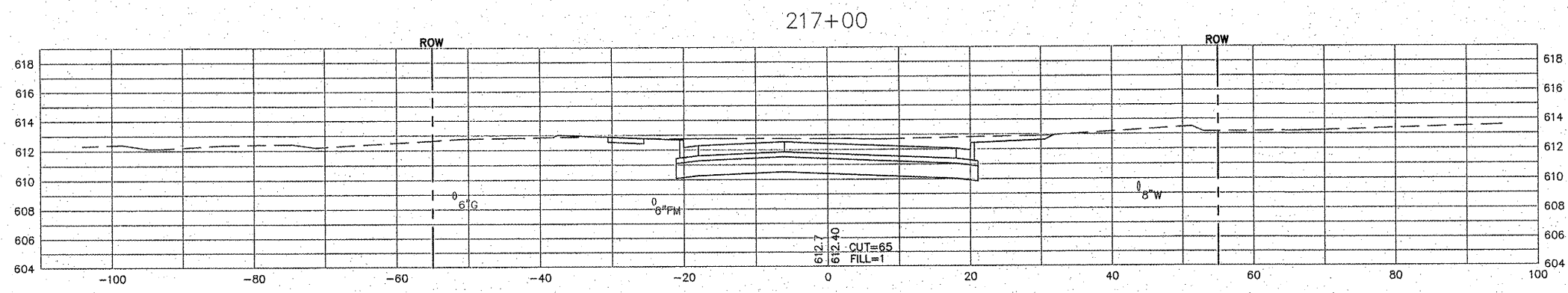
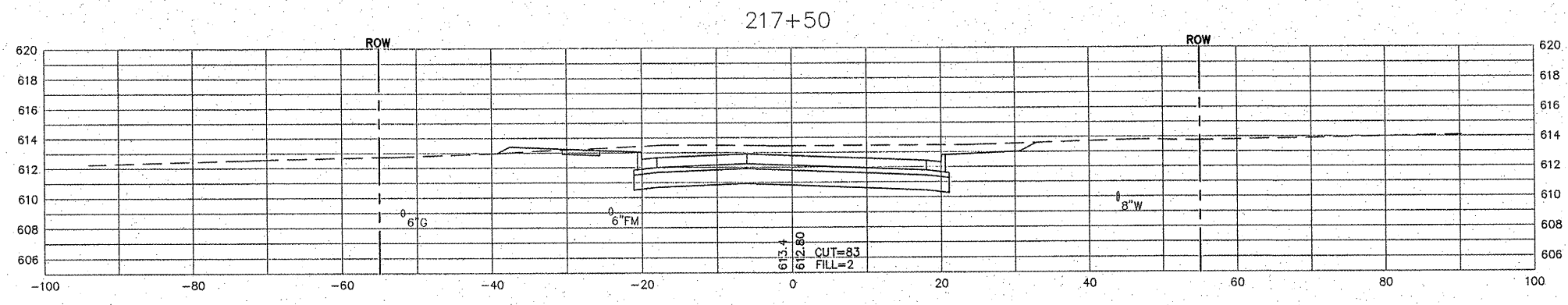
CONTRACT NO. 97476



SCALE: HORZ: 1"=10'
 VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	32

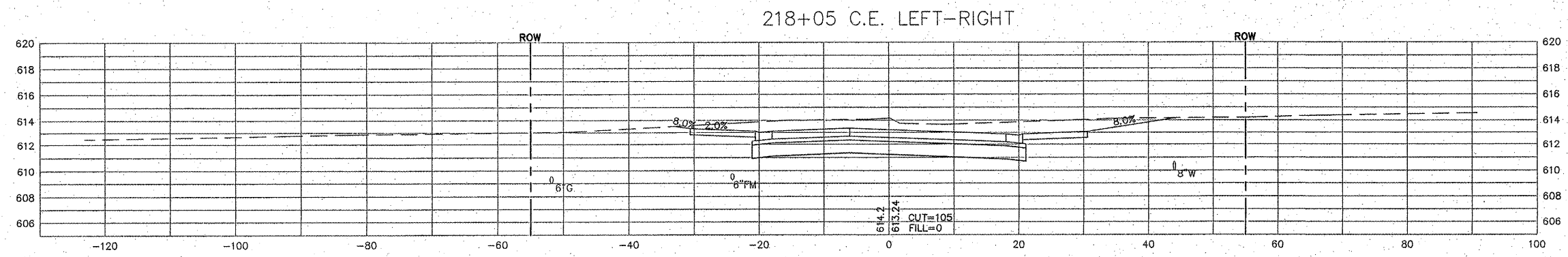
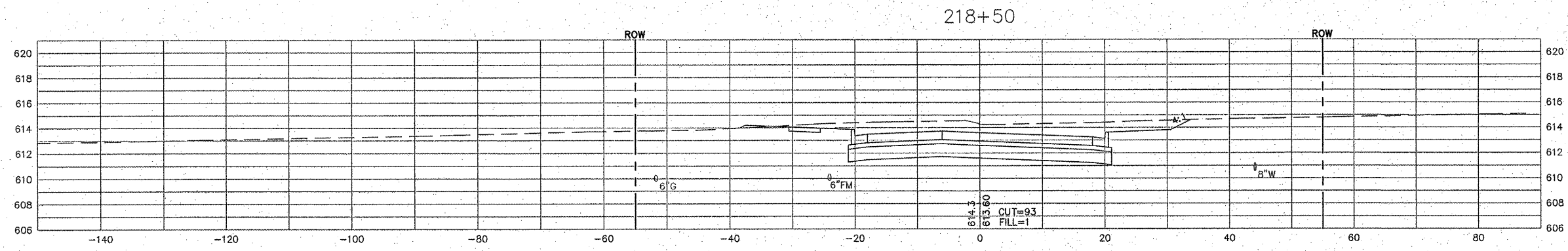
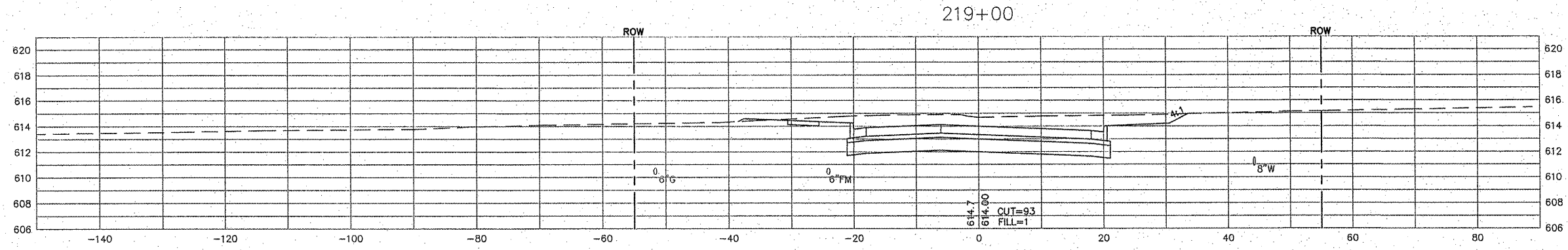
CONTRACT NO. 97476



SCALE: HORZ: 1"=10'
VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	33

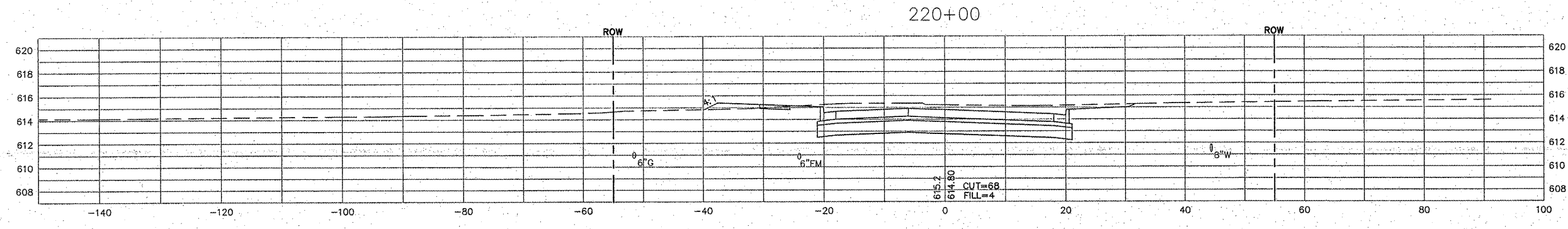
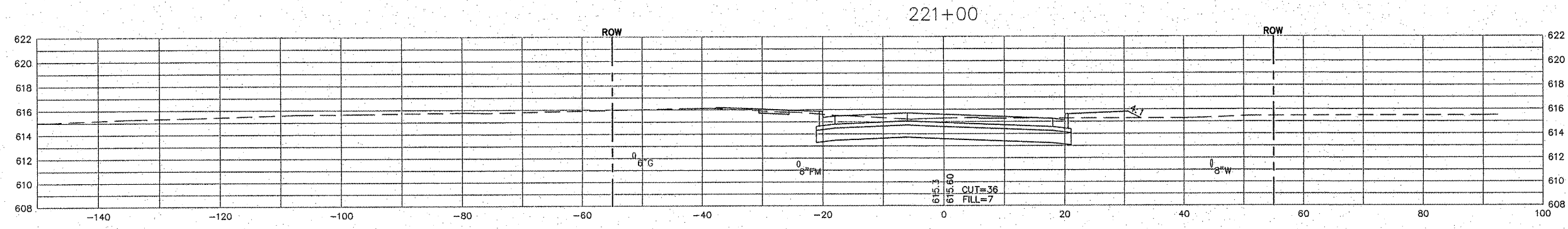
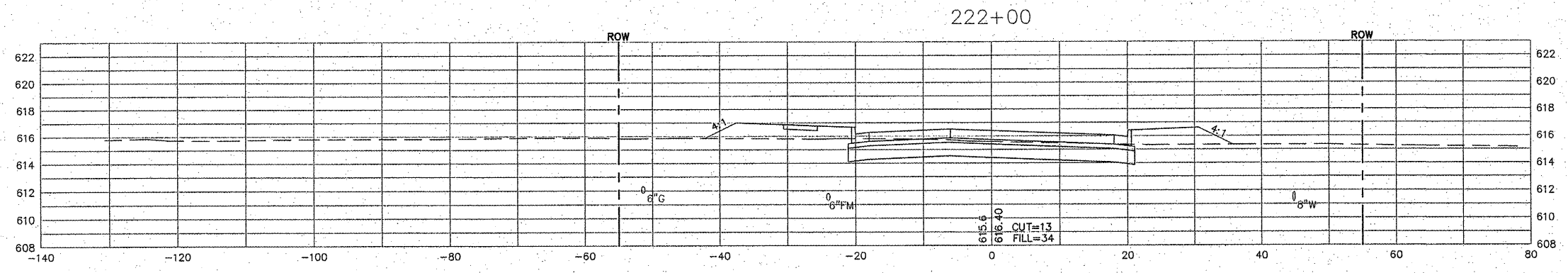
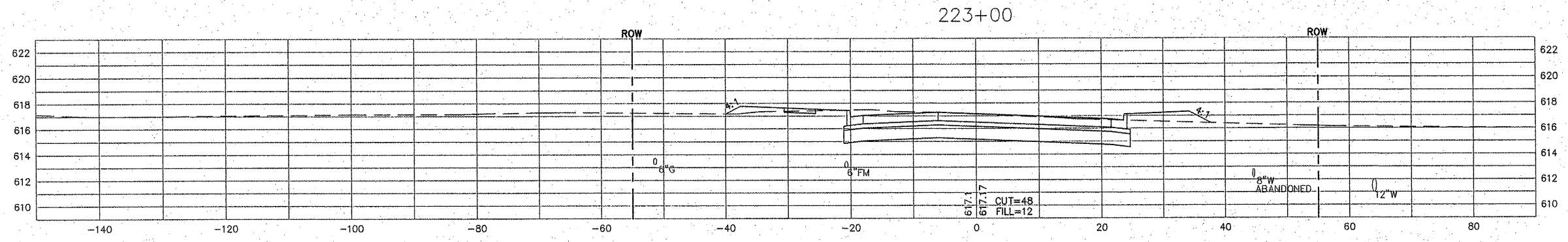
CONTRACT NO. 97476



SCALE: HORZ: 1"=10'
VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	34

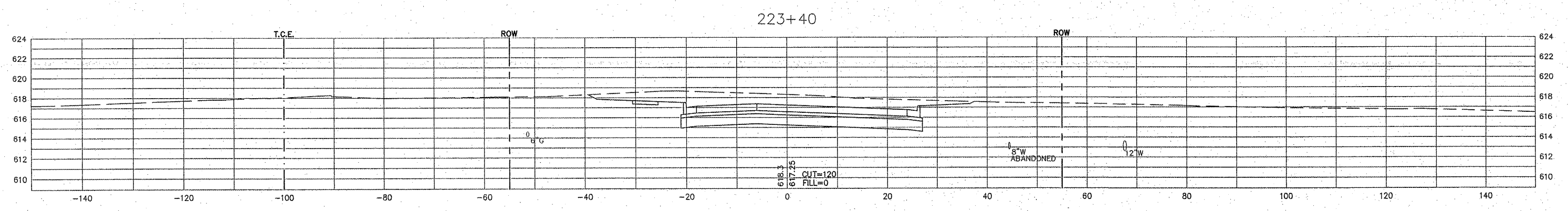
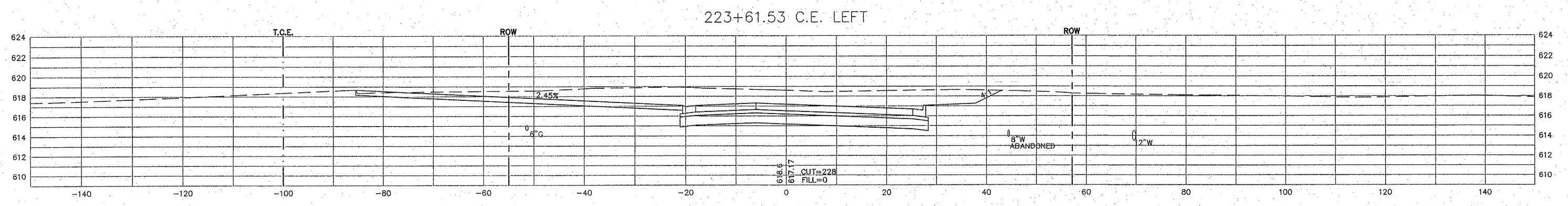
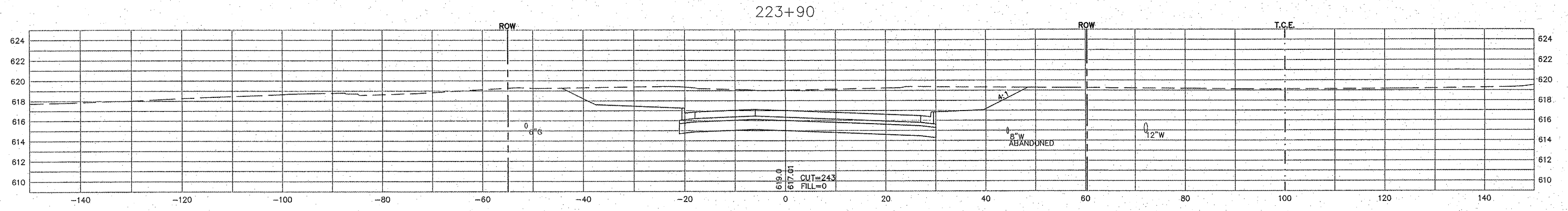
CONTRACT NO. 97476



SCALE: HORZ: 1"=10'
VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	35

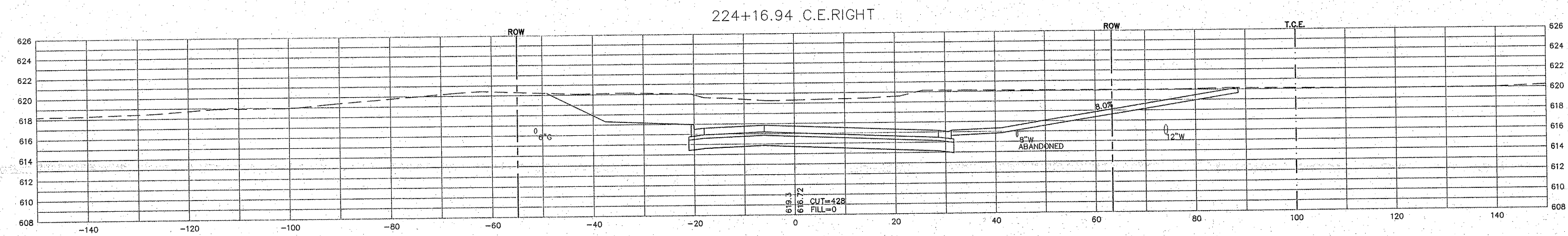
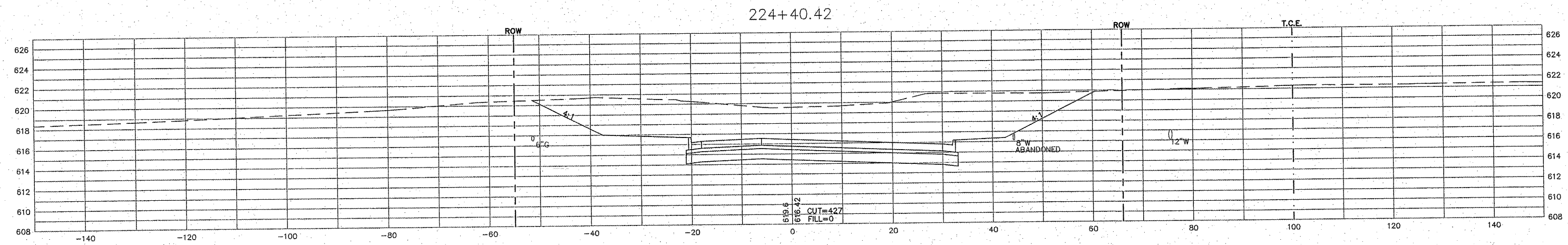
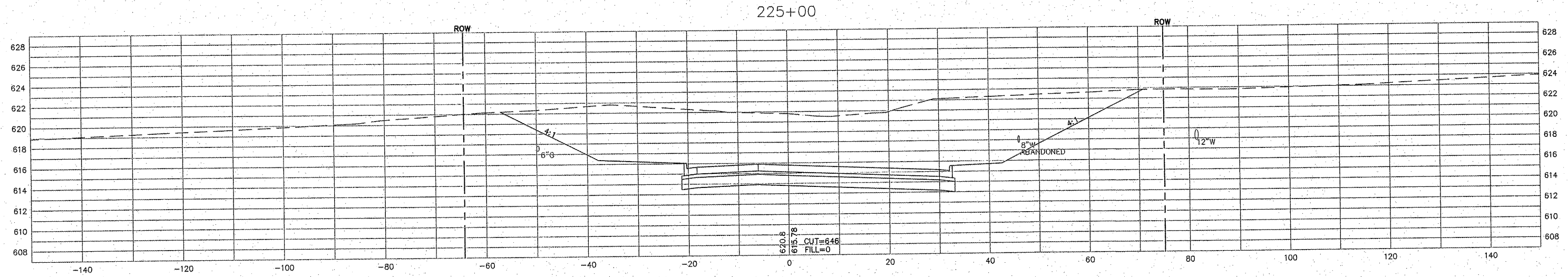
CONTRACT NO. 97476



SCALE: HORZ: 1"=10'
VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	36

CONTRACT NO. 97476

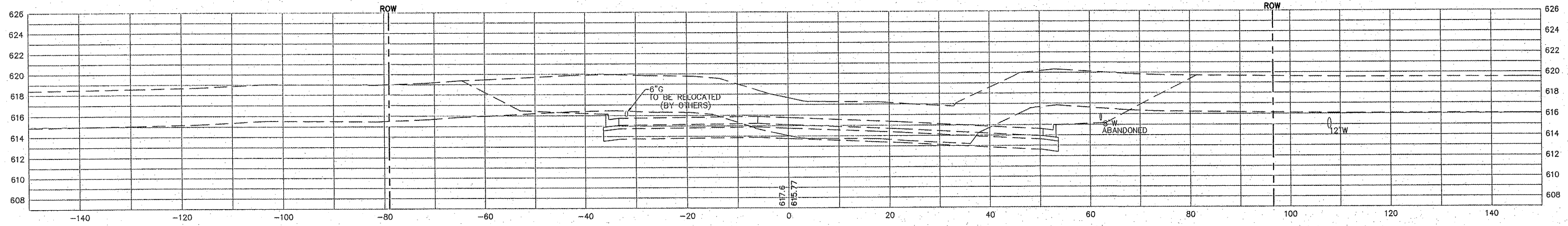


SCALE: HORIZ: 1"=10'
VERT: 1"=5'

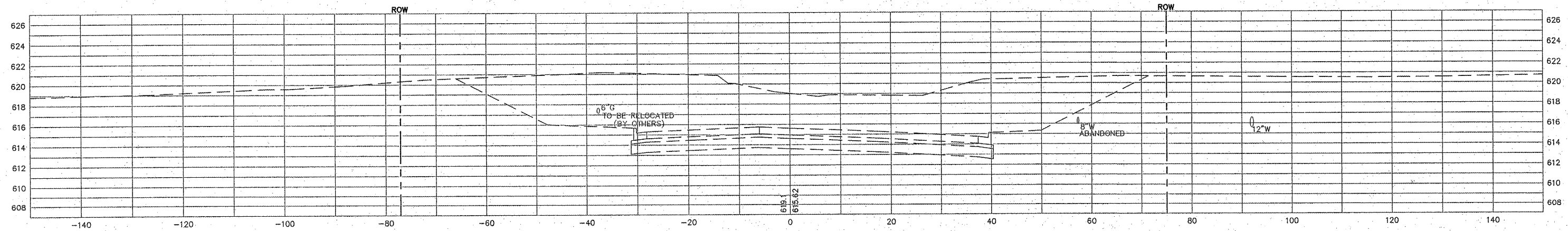
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	37

CONTRACT NO. 97476

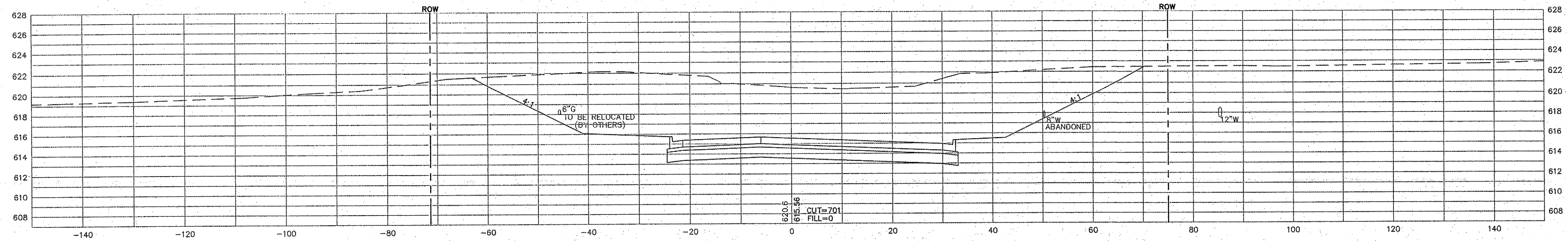
226+25



226+00



225+50

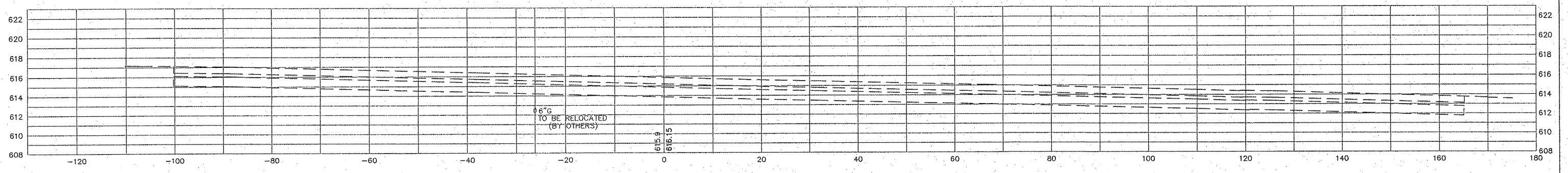


SCALE: HORZ: 1"=10'
VERT: 1"=5'

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
04-00019-00-PV	MADISON	38	38

CONTRACT NO. 97476

226+66.55 (SKEWED)



226+50

