

FOR UTILITY LOCATION PURPOSES, THIS PROJECT IS LOCATED IN NE. QUARTER OF SECTION 12, TOWNSHIP 13 SOUTH, RANGE 2 WEST OF THE FOURTH 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:

*VILLAGE OF BRUSSELS
131 E. MAIN STREET
P.O. BOX 67
BRUSSELS, IL 62013

*FRONTIER COMMUNICATIONS
301 S. WASHINGTON
JERSEYVILLE, IL 62052
(618) 498-1700

*AMEREN CIPS
1900 W. LAFAYETTE AVE.
JACKSONVILLE, IL 62650
(217) 478-5206

STATE OF ILLINOIS 01-30-15 LETTING ITEM 046

DEPARTMENT OF TRANSPORTATION
DIVISION OF HIGHWAYS
FEDERAL AID HIGHWAY

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00001-01-PV	CALHOUN	46	1
FEDERAL AID PROJECT		CONTRACT NO. 97569	

MAIN STREET (COUNTY HIGHWAY NO.1 EXTENSION) - PHASE 1

SECTION-09-00001-01-PV
FAS ROUTE 754
PROJECT HPP-4099 (002)
VILLAGE OF BRUSSELS, ILLINOIS
CALHOUN COUNTY
JOB C-98-363-09

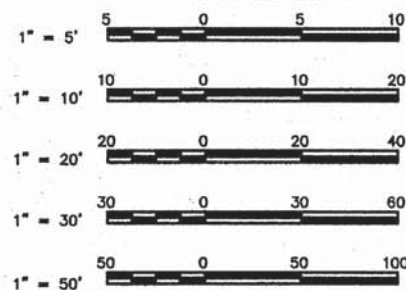
INDEX TO SHEETS

1. COVER SHEET
2. GENERAL NOTES AND LEGENDS & CONTROL POINTS
3. SUMMARY OF QUANTITIES
4. EXISTING TYPICAL SECTIONS
- 5.-7. PROPOSED TYPICAL SECTIONS
8. SCHEDULES OF QUANTITIES
- 9.-12. PLAN AND PROFILE
- 13.-14. STORM SEWER PLAN AND PROFILE
- 15.-16. REMOVAL ITEMS
- 17.-20. WATER LINE PLAN AND PROFILE
21. GENERAL TRAFFIC CONTROL AND DETOUR PLAN
22. STAGE 2 TRAFFIC CONTROL PLAN
23. STAGE 3 TRAFFIC CONTROL PLAN
24. EROSION CONTROL PLAN
25. PAVEMENT MARKING & SIGNING PLAN
26. ENTRANCE SCHEDULE AND DETAILS
- 27.-30. CONSTRUCTION DETAILS
- 31.-46. CROSS SECTIONS

HIGHWAY STANDARDS

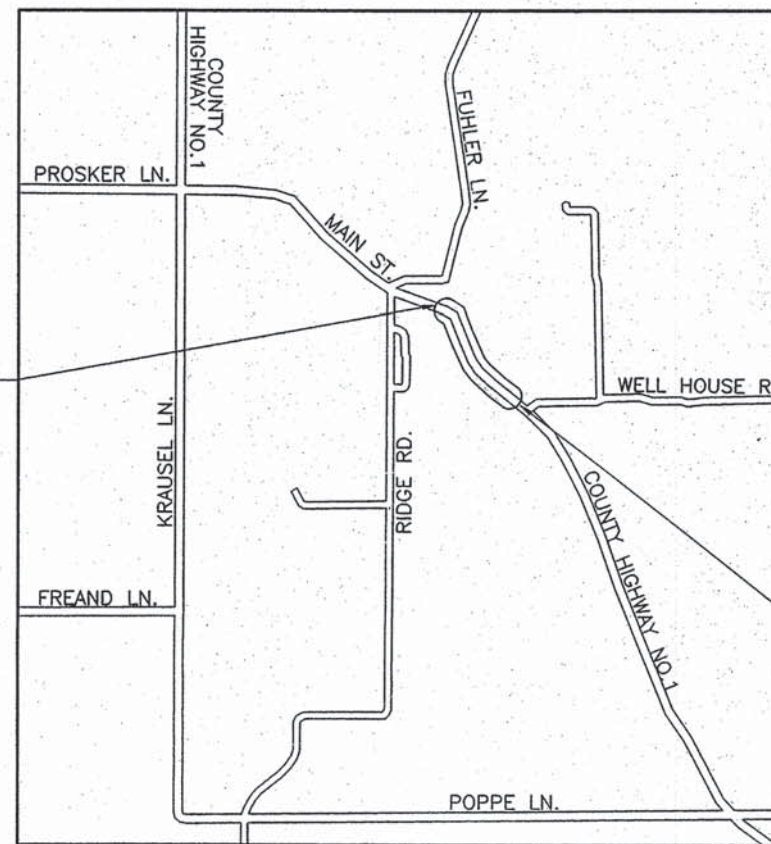
280001-07	604011-05
420001-0	604086-03
424016-0	606001-02
542301-03	701006-05
542546-01	701301-04
601001-04	701501-06
602301-04	701801-05
602306-03	701901-04
602401-03	720001-01
602601-03	720006-04
602701-02	728001-01
604001-04	780001-05
604006-05	BLR 14-11

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.

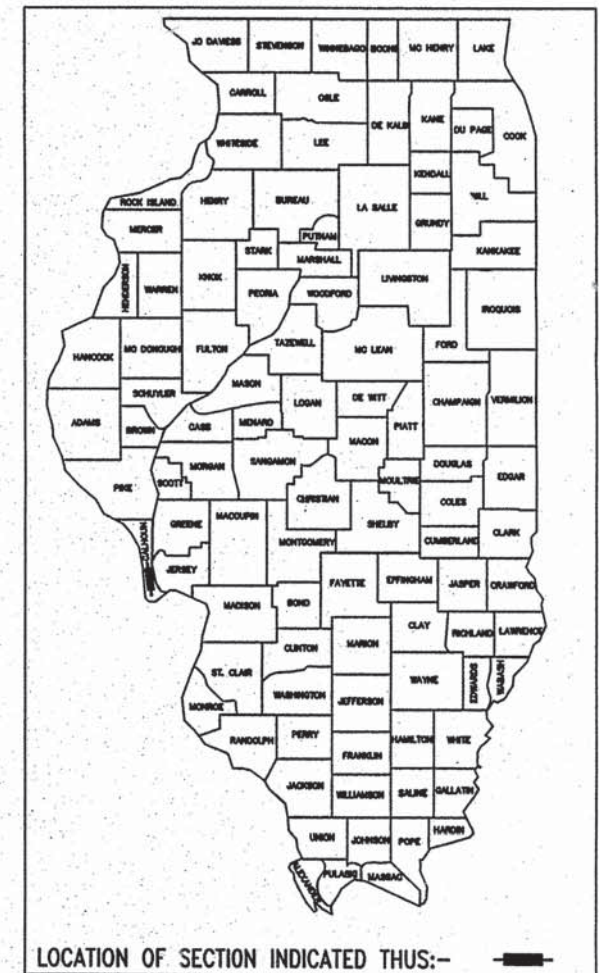
FUNCTIONAL CLASSIFICATION: MAJOR COLLECTOR
DESIGN SPEED = 30 M.P.H.



LOCATION MAP

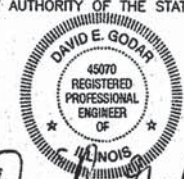
NOT TO SCALE

LENGTH OF PROJECT = 1,546 FEET = 0.293 MILES



LOCATION OF SECTION INDICATED THUS:-

STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	
APPROVED	8-8 2014 <i>Bruce Pohlman</i> VILLAGE PRESIDENT BRUCE POHLMAN
PASSED	8-27 2014 <i>Jeffrey Feirn</i> DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS
RELEASING FOR BID BASED UPON LIMITED REVIEW	8-27 2014 <i>Jeffrey Feirn</i> JEFFREY FEIRN, P.E. DEPUTY DIRECTOR OF HIGHWAYS REGION FIVE ENGINEER
STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS	



Paul Aiden

DATE SIGNED 8-8-14
EXPIRATION DATE 11-30-15



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

215 Market Street
Alton, Illinois 62002
P.O. Box E
618/482-9765

10 Central Industrial Dr
Suite 3
Northgate Center
Granite City, IL 62040
618/877-8700

STANDARD SYMBOL LEGEND

EXISTING

- EXISTING GUY POLE --○
- EXISTING LIGHT POLE --X
- EXISTING POWER POLE --○
- EXISTING TELEPHONE POLE --○
- EXISTING GUY WIRE --
- EXISTING TRANSMISSION TOWER --□
- EXISTING ELECTRIC SPLICE BOX --□^E
- EXISTING TELEPHONE SPLICE BOX --□^T
- 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 --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 --
- EXISTING FENCE POST --
- EXISTING GATE POST --
- EXISTING FLAG POLE --
- EXISTING GUARD POST --GP
- EXISTING ADVERTISING SIGN --
- EXISTING TRAFFIC SIGN --
- EXISTING PARKING METER --P
- 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 --○
- PROPOSED LIGHT POLE --X
- PROPOSED POWER POLE --○
- PROPOSED TELEPHONE POLE --○
- PROPOSED GUY WIRE --
- PROPOSED TRANSMISSION TOWER --□
- PROPOSED ELECTRIC SPLICE BOX --□^E
- PROPOSED TELEPHONE SPLICE BOX --□^T
- PROPOSED CABLE SPLICE BOX --□^{TV}
- PROPOSED WATER HYDRANT --
- PROPOSED GAS METER --
- PROPOSED WATER METER --
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- 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
- * PROPOSED CURB RAMP --
- * PROPOSED DETECTABLE WARNING --
- * PROPOSED LANDING --L
- * PROPOSED PASSING SPACE --P

STANDARD LINE TYPE LEGEND

EXISTING FEATURES

- EXISTING CENTERLINE
- EXISTING BASELINE
- EXISTING RIGHT-OF-WAY
- EXISTING SECTION LINE
- EXISTING PROPERTY LINE
- EXISTING EASEMENT
- EXISTING SETBACK
- EXISTING MAJOR CONTOUR
- EXISTING MINOR CONTOUR
- EXISTING DITCH
- EXISTING POND, LAKE, BODY OF WATER, ETC.
- EXISTING RAILROAD
- EXISTING BRUSH / HEDGE / TREE LINE
- EXISTING FENCE
- EXISTING GUARDRAIL
- EXISTING CULVERT
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING FORCEMAIN
- EXISTING WATER
- EXISTING UNDERGROUND ELECTRIC
- EXISTING GAS
- EXISTING UNDERGROUND TELEPHONE
- EXISTING FIBER OPTIC
- EXISTING UNDERGROUND CABLE TV
- EXISTING OVERHEAD TELEPHONE
- EXISTING OVERHEAD ELECTRIC
- EXISTING OVERHEAD CABLE TV

PROPOSED FEATURES

- PROPOSED CENTERLINE
- PROPOSED BASELINE
- PROPOSED RIGHT-OF-WAY
- PROPOSED LOT LINE
- PROPOSED EASEMENT
- PROPOSED CONSTRUCTION EASEMENT OR TEMPORARY USE PERMIT
- PROPOSED CONSTRUCTION LIMITS
- PROPOSED SETBACK
- PROPOSED MAJOR CONTOUR
- PROPOSED MINOR CONTOUR
- PROPOSED DITCH
- PROPOSED RAILROAD
- PROPOSED FENCE
- PROPOSED GUARDRAIL
- PROPOSED PERIMETER EROSION BARRIER
- PROPOSED CULVERT
- PROPOSED STORM SEWER
- PROPOSED SANITARY SEWER
- PROPOSED FORCEMAIN
- PROPOSED WATER
- PROPOSED UNDERGROUND ELECTRIC
- PROPOSED UNDERGROUND TELEPHONE
- PROPOSED UNDERGROUND CABLE TV
- PROPOSED OVERHEAD TELEPHONE
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED OVERHEAD CABLE TV

GENERAL NOTES

1. THIS PROJECT SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION ADOPTED JANUARY 1, 2012 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 SECTION.
6. SEE THE TYPICAL SECTION SHEETS FOR TYPICAL SECTION NOTES.
7. SEE THE TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL NOTES.
8. SEE THE EROSION CONTROL PLAN FOR EROSION CONTROL NOTES.
9. PLAN QUANTITIES FOR HOT-MIX ASPHALT ITEMS WERE CALCULATED BASED ON USING 112 LBS. / SQ. YD. / IN.
10. THE SOIL MODIFICATION FOR THIS PROJECT SHALL BE DONE WITH BOTH LIME AND FLYASH AS A MIXTURE USING 5% BY WEIGHT OF LIME AND 5% BY WEIGHT OF FLYASH.
11. CONCRETE PAVEMENT NOTES:
 - a. TRANSVERSE JOINTS SHALL BE SPACED AT 15 FEET MAXIMUM.
 - b. DOWEL BARS SHALL BE 1-1/2 INCH DIAMETER IN 8 INCH PAVEMENT AND 1-1/4 INCH DIAMETER IN 7 INCH PAVEMENT.
 - c. LONGITUDINAL JOINTS SHALL BE SEALED PER HIGHWAY STANDARD 420001.
 - d. TRANSVERSE JOINTS SHALL BE SEALED PER HIGHWAY STANDARD BLR-14.

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	RAILROAD
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	TEMPORARY PAVEMENT MARKING
HMA	HOT-MIX ASPHALT	TPPM	THERMOPLASTIC PAVEMENT MARKING
IP	IRON PIPE	TUP	TEMPORARY USE PERMIT
LT	LEFT	TY	TYPE
MON	MONUMENT	TYP	TYPICAL
MP	MILE PIPE	VC	VERTICAL CURVE
N	NORTH	VCP	VITRIFIED CLAY PIPE
NE	NORTHEAST	W	WEST
NW	NORTHWEST	WMA	WATER MAIN QUALITY
O&C	OIL AND CHIP		

COMMITMENTS

1. THE CEMETERY FENCE LOCATED ON THE RIGHT SIDE FROM STA. 50+20 TO STA. 53+96 SHALL NOT BE DISTURBED WITH THIS PROJECT.
2. UTILITY POLE RELOCATIONS SHALL NOT BE PLACED DIRECTLY IN FRONT OF BUILDINGS (AS REQUIRED BY THE IHPA).
3. CONTACT SHALL BE MADE WITH LOCAL EMERGENCY SERVICES, THE POST OFFICE AND SCHOOLS PRIOR TO THE BEGINNING OF CONSTRUCTION.

BENCHMARK INFORMATION

SITE BENCHMARK = "A"

SURVEY CONTROL POINTS			
VERTICAL CONTROL (BENCH MARKS)			
CONTROL POINT	LOCATION	ELEVATION	DESCRIPTION
BM "A"	STA. 66+03±, 93.9± LT.	480.37	CUT CROSS NE. CORNER OF CONCRETE. EAST OF MAIN ST. AND SOUTH OF WELL HOUSE RD.
BM "B"	STA. 60+04±, 75.9± RT.	525.14	CUT CROSS AT THE S.E. CORNER OF THE CONCRETE SIDEWALK AT THE BANK OF KAMPSVILLE
BM "C"	STA. 57+12±, 108.1± LT.	512.35	CUT CROSS AT THE N.W. CORNER OF CONCRETE BARN ENTRANCE. N.E. OF THE WITMOND HOTEL.
BM "D"	STA. 52+51±, 46.4± RT.	531.59	CUT CROSS AT THE S.E. CORNER OF CONCRETE WALK ON THE SOUTH SIDE OF THE BUILDING AT "BLISS BAKE SHOPPE", 145 MAIN ST.
BM "E"	STA. 48+80±, 39.6± RT.	529.38	N.E. CORNER OF CONCRETE AT THE FLAG POLE IN FRONT OF VILLAGE HALL 131 MAIN ST.

HORIZONTAL CONTROL				
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
CP #1	830033.0610	2178296.0760	491.37*	TOP OF CUT CROSS
CP #2	830345.4710	2177805.0240	522.93*	REBAR WITH SMS CAP
CP #3	830992.3520	2177409.5220	530.17*	REBAR WITH SMS CAP
CP #4	830204.7116	2176651.0525	518.78*	REBAR WITH SMS CAP
CP #5	831445.9460	2177001.2960	522.33*	REBAR WITH SMS CAP

* ELEVATIONS SHOULD BE CHECKED FROM A BENCHMARK.

REVISIONS

SMS SHEPPARD, MORGAN & SCHWAAB, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mail@smsengr.com
 10 Central Industrial Drive, Granite City, IL 62040 618677-8700 E-mail: mail@granitecityengr.com
 DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
 GENERAL NOTES, LEGENDS & CONTROL POINTS

CONTRACT NO. 97569
 BRUSSELS MAIN ST LEGEND.DWG
 REF. BK. PG.
 JOB NO. 217880.2
 DSN. BY:
 DWN. BY: CDP
 CHK. BY:
 DATE: AUGUST, 2014
 SCALE: NONE
 SHEET 2 OF 46

SUMMARY OF QUANTITIES

CONSTRUCTION TYPE CODE		0004	
CODE NO.	ITEM	UNIT	QUANTITY
20200100	EARTH EXCAVATION	CU YD	1,513
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10
20400800	FURNISHED EXCAVATION	CU YD	1,063
20800150	TRENCH BACKFILL	CU YD	449
25000400	NITROGEN FERTILIZER NUTRIENT	POUND	90
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	90
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	90
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.0
25100115	MULCH, METHOD 2	ACRE	0.9
25100127	MULCH, METHOD 3A	ACRE	0.1
25100630	EROSION CONTROL BLANKET	SQ YD	390
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	300
28000305	TEMPORARY DITCH CHECKS	FOOT	150
28000400	PERIMETER EROSION BARRIER	FOOT	1,560
28000500	INLET AND PIPE PROTECTION	EACH	25
28100207	STONE RIPRAP, CLASS A4	TON	76
28200200	FILTER FABRIC	SQ YD	127
30200650	PROCESSING MODIFIED SOIL 12"	SQ YD	5,647
30201500	LIME	TON	127
30201600	FLY ASH	TON	127
31100300	SUBBASE GRANULAR MATERIAL, TYPE A 4"	SQ YD	5,431
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	20
35600724	HOT-MIX ASPHALT BASE COURSE WIDENING, 12"	SQ YD	12
40200800	AGGREGATE SURFACE COURSE, TYPE B	TON	85
40201000	AGGREGATE FOR TEMPORARY ACCESS	TON	330
40600990	TEMPORARY RAMP	SQ YD	25
40800025	BITUMINOUS MATERIALS (PRIME COAT)	POUND	44
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	170
42000200	PORTLAND CEMENT CONCRETE PAVEMENT 7"	SQ YD	683
42000300	PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	3,988
42000900	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE PAVEMENT 8"	SQ YD	40
42001300	PROTECTIVE COAT	SQ YD	4,951
42300200	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 6 INCH	SQ YD	148
42300300	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	200
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	5,165
42400800	DETECTABLE WARNINGS	SQ FT	43
50105220	PIPE CULVERT REMOVAL	FOOT	99
54213657	PRECAST REINFORCED CONCRETE FLARED END SECTIONS 12"	EACH	2
54244405	FLUSH INLET BOX FOR MEDIAN, STANDARD 542546	EACH	4
550A0050	STORM SEWERS, CLASS A, TYPE 1 12"	FOOT	386
550A0070	STORM SEWERS, CLASS A, TYPE 1 15"	FOOT	23
550A0340	STORM SEWERS, CLASS A, TYPE 2 12"	FOOT	211
550A0360	STORM SEWERS, CLASS A, TYPE 2 15"	FOOT	203
550B0050	STORM SEWERS, CLASS B, TYPE 1 12"	FOOT	17
550B0340	STORM SEWERS, CLASS B, TYPE 2 12"	FOOT	149
550B0360	STORM SEWERS, CLASS B, TYPE 2 15"	FOOT	39
56100005	DUCTILE IRON WATER MAIN TEE, 6" X 6"	EACH	6
56100600	WATER MAIN 6"	FOOT	1,448
56104900	WATER VALVES 6"	EACH	6
56108800	TAPPING VALVES AND SLEEVES 6"	EACH	2
56109418	DUCTILE IRON WATER MAIN FITTINGS 6" 45.00 DEGREE BEND	EACH	2
56200200	WATER SERVICE LINE 3/4"	FOOT	249

56200300	WATER SERVICE LINE 1"	FOOT	45
56400600	FIRE HYDRANTS	EACH	3
60107600	PIPE UNDERDRAINS 4"	FOOT	935
60219570	MANHOLES, TYPE A, 4'-DIAMETER, TYPE 3V FRAME AND GRATE	EACH	1
60235700	INLETS, TYPE A, TYPE 3 FRAME AND GRATE	EACH	1
60237460	INLETS, TYPE A, TYPE 23 FRAME AND GRATE	EACH	1
60240210	INLETS, TYPE B, TYPE 1 FRAME, OPEN LID	EACH	3
60240215	INLETS, TYPE B, TYPE 1 FRAME, CLOSED LID	EACH	1
60240220	INLETS, TYPE B, TYPE 3 FRAME AND GRATE	EACH	1
60240327	INLETS, TYPE B, TYPE 23 FRAME AND GRATE	EACH	2
60500060	REMOVING INLETS	EACH	1
60600605	CONCRETE CURB, TYPE B	FOOT	117
60603800	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12	FOOT	730
60604400	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18	FOOT	912
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	1,380
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	10
67100100	MOBILIZATION	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	156
70301000	WORK ZONE PAVEMENT MARKING REMOVAL	SQ FT	52
70300210	TEMPORARY PAVEMENT MARKING LETTERS AND SYMBOLS	SQ FT	9
70300220	TEMPORARY PAVEMENT MARKING - LINE 4"	FOOT	4,192
72000100	SIGN PANEL - TYPE 1	SQ FT	10
72800100	TELESCOPING STEEL SIGN SUPPORT	FOOT	114
78000200	THERMOPLASTIC PAVEMENT MARKING - LINE 4"	FOOT	223
78008200	POLYUREA PAVEMENT MARKING TYPE I - LETTERS AND SYMBOLS	SQ FT	9
78008210	POLYUREA PAVEMENT MARKING TYPE I - LINE 4"	FOOT	3,969
Z0012450	CONCRETE STEPS	CU YD	4.3
Z0014900	CURB STOPS 3/4"	EACH	13
Z0015000	CURB STOPS 1"	EACH	1
Z0042300	PORTLAND CEMENT CONCRETE SIDEWALK CURB	FOOT	50
Z0056648	STORM SEWERS, TYPE 1, WATER MAIN QUALITY PIPE, 12"	FOOT	283
Z0075496	CONCRETE RETAINING WALL REMOVAL	FOOT	55
X0301280	PLUG EXISTING DRAINS	EACH	2
X0323586	PIPE DRAIN REMOVAL	FOOT	144
X0326901	TRANSITION SLEEVE 6"	EACH	3
X0327301	RELOCATE EXISTING MAILBOX	EACH	6
X0350810	BOLLARD REMOVAL	EACH	2
X2140100	GRADING AND SHAPING DITCHES, SPECIAL	FOOT	120
X2500930	SEEDING, CLASS 1B (MODIFIED)	ACRE	0.5
X2501010	SEEDING, CLASS 2 (MODIFIED)	ACRE	0.4
XX008180	SEEDING, CLASS 3A (MODIFIED)	ACRE	0.1
X4020900	AGGREGATE SURFACE COURSE, TYPE B SPECIAL	SQ YD	495
X4080052	INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL)	TON	93
X4401198	HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH	SQ YD	88
X4404700	SIDEWALK REMOVAL (SPECIAL)	SQ FT	4,259
X5091765	PIPE HANDRAIL, SPECIAL	FOOT	60
X5610746	WATER MAIN LINE STOP 6"	EACH	2
X5620025	WATER SERVICE CONNECTION 3/4"	EACH	13
X5620030	WATER SERVICE CONNECTION 1"	EACH	1
X5630006	CUT AND CAP EXISTING 6" WATER MAIN	EACH	2
X6011605	PIPE DRAINS 4" (SPECIAL)	FOOT	15
X6011805	PIPE DRAINS 8" (SPECIAL)	FOOT	14
X6020074	INLETS, TYPE A, TYPE 3V FRAME AND GRATE	EACH	6
X6020075	INLETS, TYPE B, TYPE 3V FRAME AND GRATE	EACH	4
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1
XX004040	DOMESTIC WATER METER TO BE RELOCATED	EACH	1
XX006350	HIGH-EARLY-STRENGTH COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	30
XX008981	HIGH-EARLY-STRENGTH PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 7 INCH	SQ YD	13
XX008982	CURB CASTING	EACH	1
XX008983	DUCTILE IRON WATER MAIN FITTINGS 6" 22.50 DEGREE BEND	EACH	2
XX004289	DUCTILE IRON WATER MAIN FITTINGS 6" PLUG	EACH	2

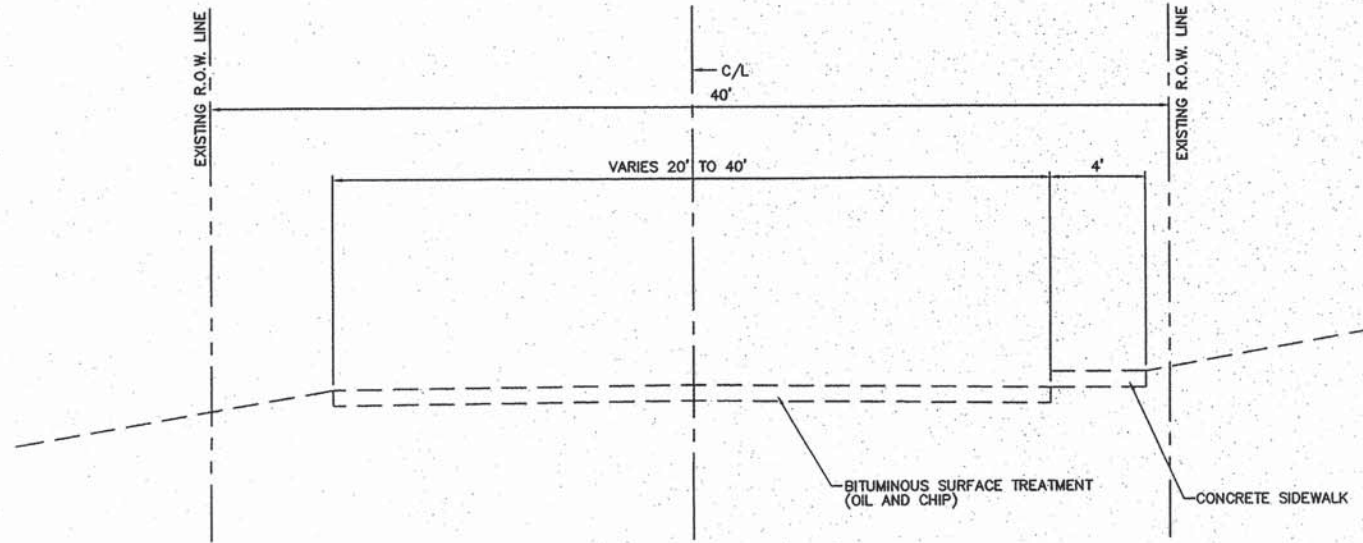
* DENOTES SPECIALTY ITEMS

REVISIONS

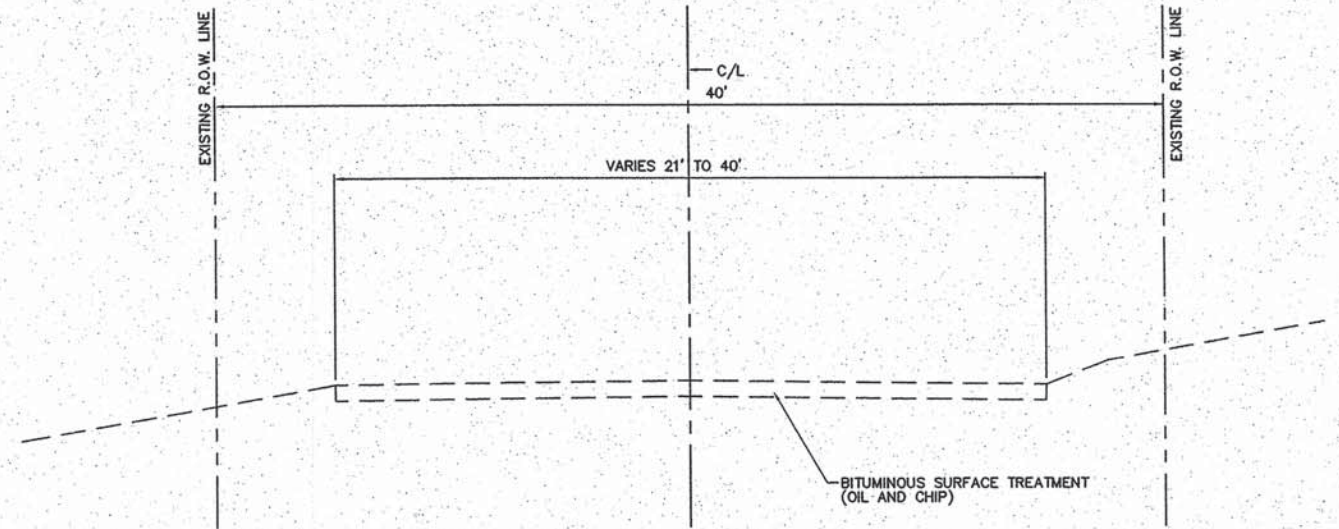
SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 216 Market Street, P.O. Box E, Alton, IL 62002 6184629765 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Granite City, IL 62040 6188774700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
 SUMMARY OF QUANTITIES

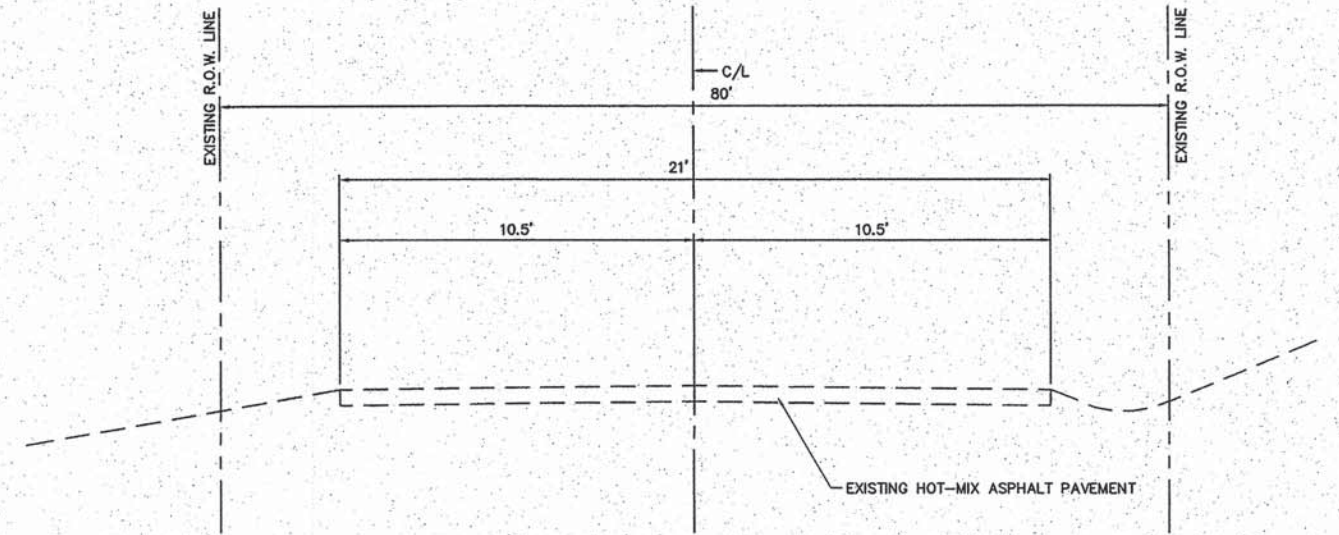
CONTRACT NO.
 97569
 BRUSSELS MAIN ST QUANTITIES.DWG
 REF. BK. PG.
 JOB NO. 217890.2
 DSN. BY:
 DWN. BY: CDP
 CHK. BY:
 DATE: AUGUST, 2014
 SCALE: NONE
 SHEET 3 OF 46



EXISTING TYPICAL SECTION
MAIN STREET
STA. 47+69 TO STA. 57+35



EXISTING TYPICAL SECTION
MAIN STREET
STA. 57+35 TO STA. 62+77.50



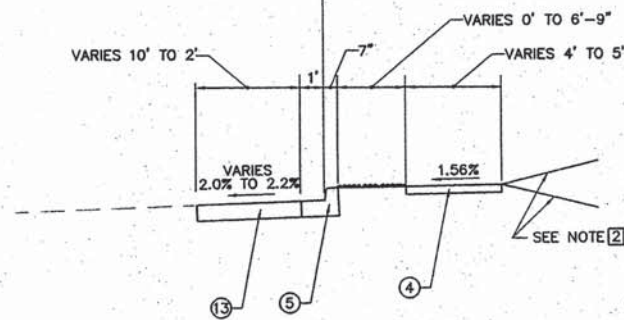
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MAIN STREET
STA. 62+77.50 TO STA. 63+15

REVISIONS

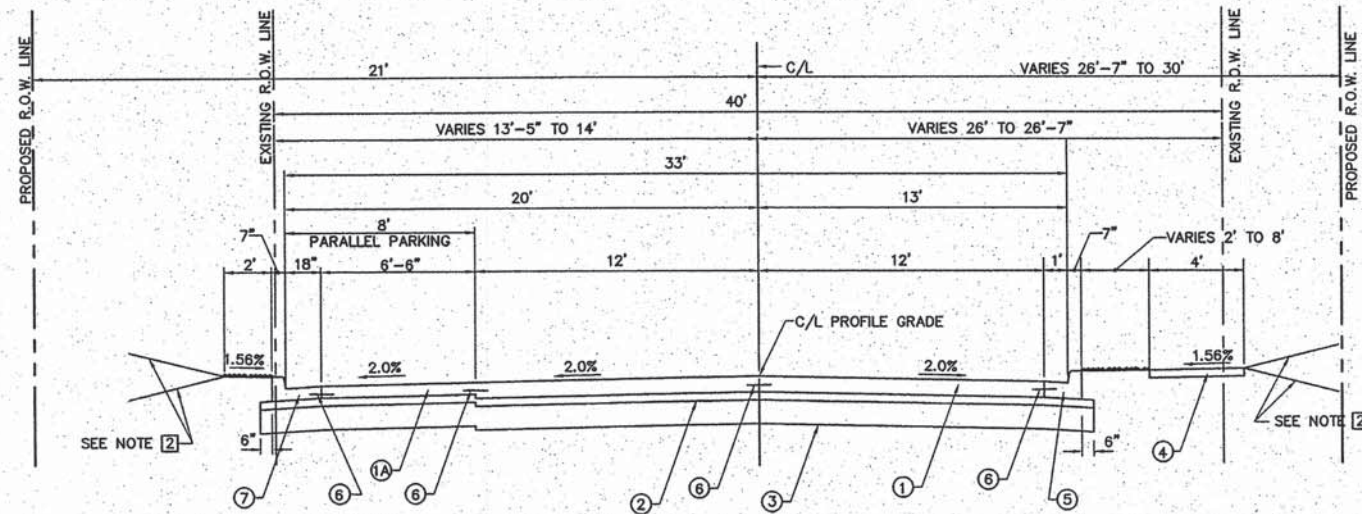
SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Albany, IL 62002 618/462-2755 E-mail: msa@smsengineers.com
10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/877-8700 E-mail: msa@smsengineers.com
DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
EXISTING TYPICAL SECTIONS

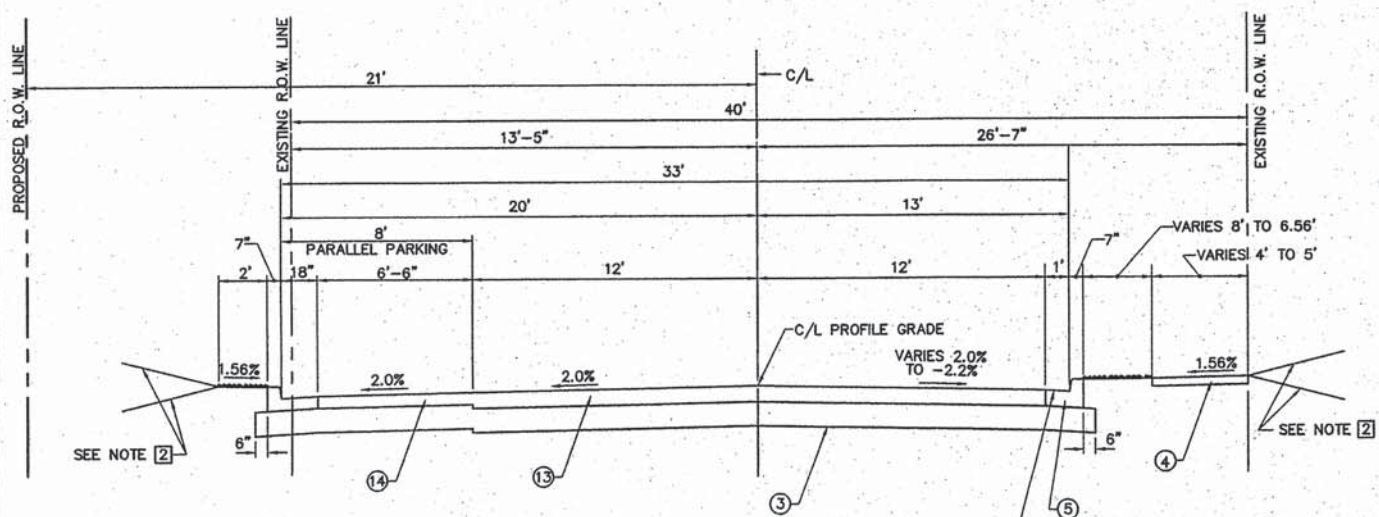
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ALT 2 BRUSSELS TYPICALS.DWG	
REF. BK.	PG.
JOB NO.	217880.2
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	AUGUST, 2014
SCALE:	N.T.S.
SHEET	4 OF 46



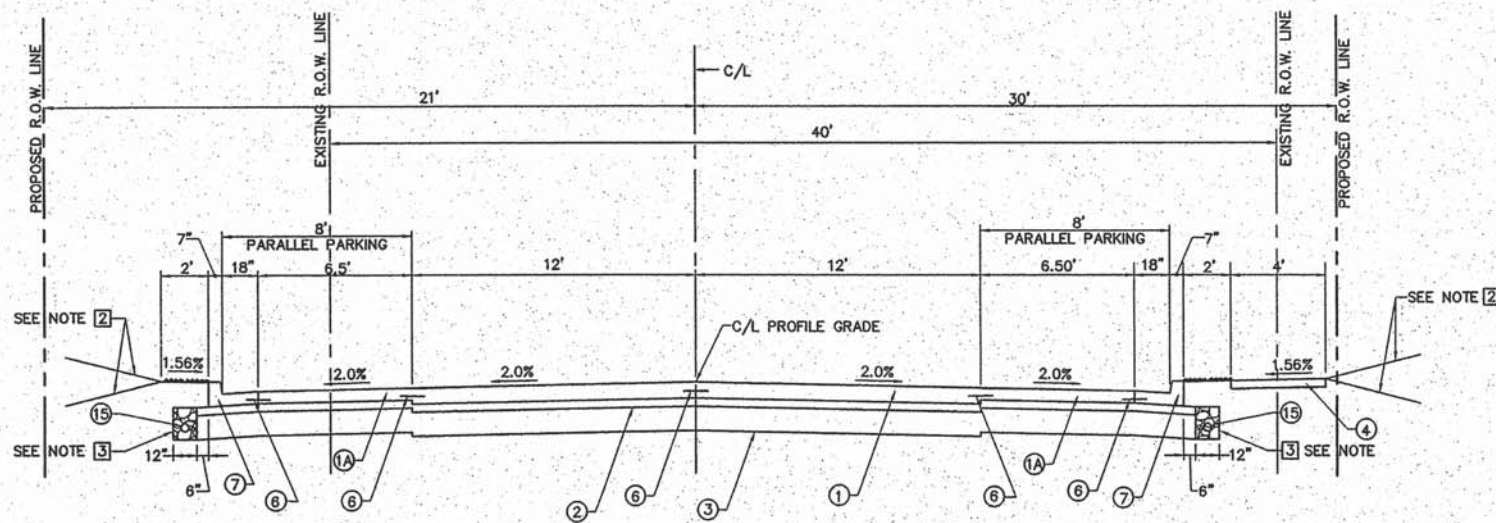
**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 47+59 TO STA. 47+69**



**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 48+24.36 TO STA. 48+42.94**



**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 47+69 TO STA. 48+24.36**



**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 48+42.94 TO STA. 50+50**

PAVING LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 8"
- ①A PORTLAND CEMENT CONCRETE PAVEMENT 7"
- ② SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- ③ PROCESSING MODIFIED SOIL 12"
- ④ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
- ⑤ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12
- ⑥ EPOXY COATED #6 TIE BARS SEE NOTE ①
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
- ⑧ PORTLAND CEMENT CONCRETE SIDEWALK CURB
- ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 W / DEPRESSED CURB
- ⑩ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑪ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 W / DEPRESSED CURB
- ⑫ CONCRETE CURB, TYPE B
- ⑬ INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL) (8")
- ⑭ INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL) (7")
- ⑮ PIPE UNDERDRAINS 4"

TYPICAL SECTION NOTES

- ① TIE BARS THAT ARE PLACED IN CONCRETE SHALL BE 30" LONG AT 30" CENTERS. TIE BARS THAT ARE DRILLED AND GROUTED SHALL BE 24" LONG AT 24" CENTERS. TIE BARS SHALL BE EPOXY COATED.
- ② SEE CROSS SECTIONS FOR GRADING. TYPICAL SLOPE IS 4:1. MAXIMUM SLOPE IS 3:1.
- ③ SEE PIPE UNDERDRAINS SCHEDULE FOR LOCATIONS OF PIPE UNDERDRAINS. OUTLET PIPE UNDERDRAINS TO STORM SEWER INLETS. SEE SHEET 7 FOR DETAIL.

MIX DESIGNS	
MIXTURE USE	INCIDENTAL
AC/PG	PG 64-22
MAX. RAP%	*
DESIGN AIR VOIDS	4% • Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	----
FRICTION AGG.	MIX C

* SEE SPECIAL PROVISIONS

MIX DESIGNS	
MIXTURE USE	BASE CSE. WID.
AC/PG	PG 64-22
MAX. RAP%	*
DESIGN AIR VOIDS	4% • Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL-19.0
FRICTION AGG.	----

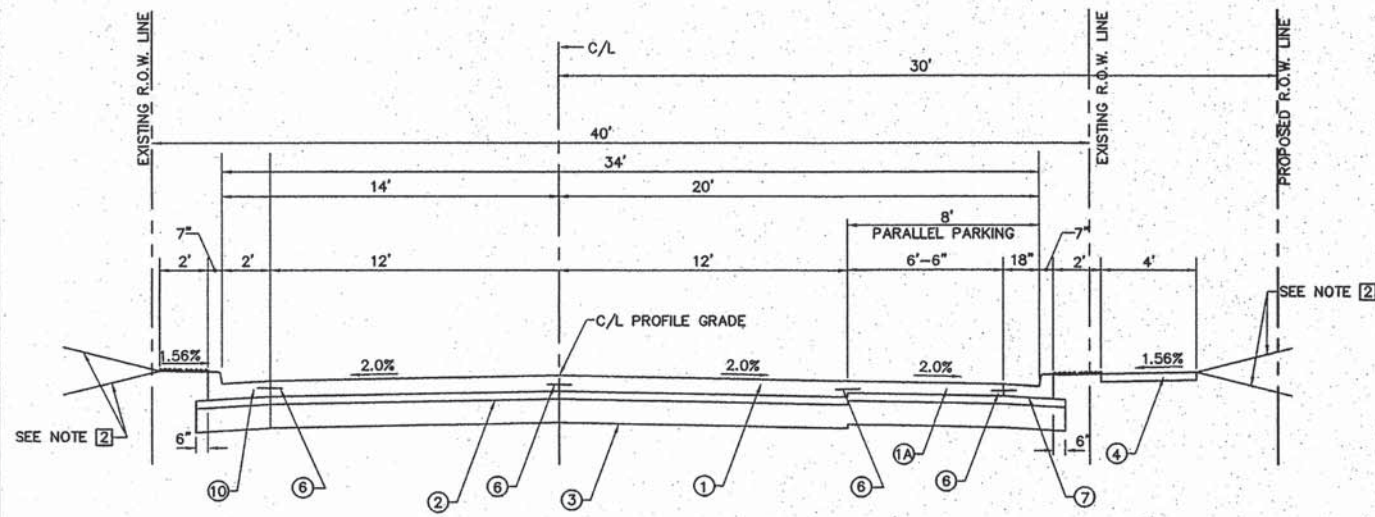
* SEE SPECIAL PROVISIONS

REVISIONS

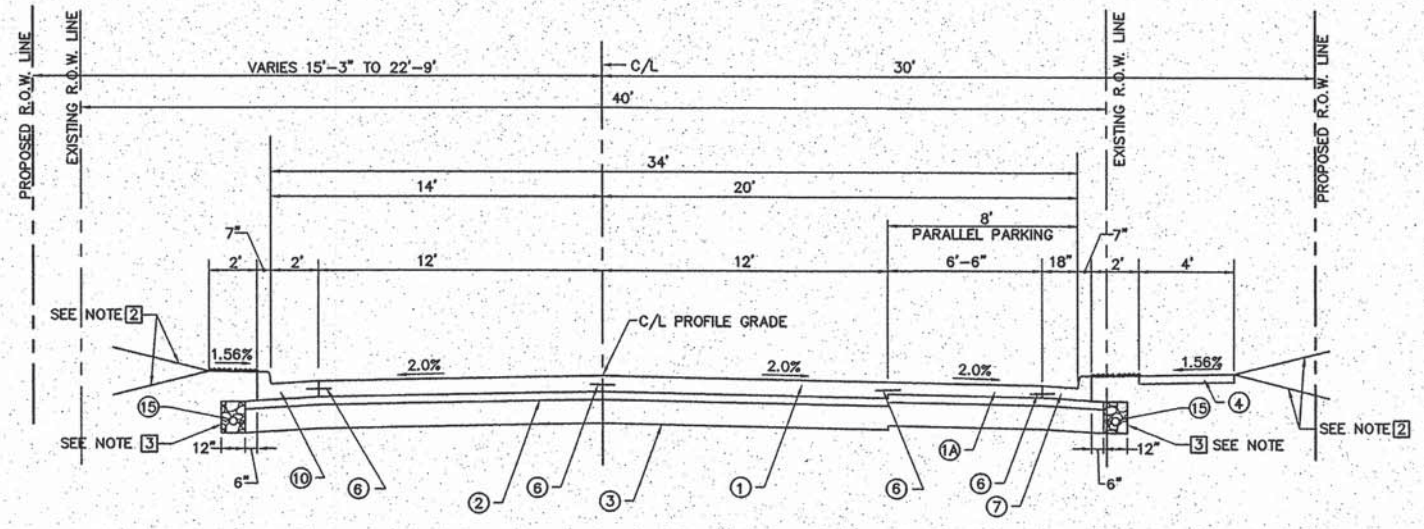
SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618/377-4100 E-mail: mail@subswaabs.com
DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
PROPOSED TYPICAL SECTIONS

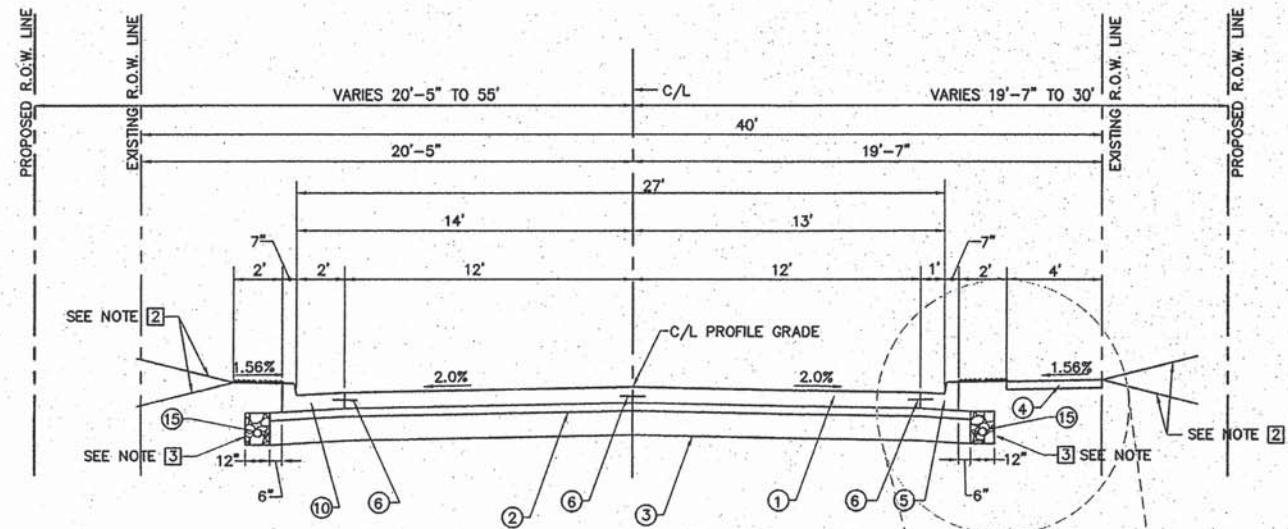
CONTRACT NO. 97569
ALT 2 BRUSSELS TYPICALS.DWG
REF. BK. PG.
JOB NO. 217880.2
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: AUGUST, 2014
SCALE: N.T.S.
SHEET 5 OF 46



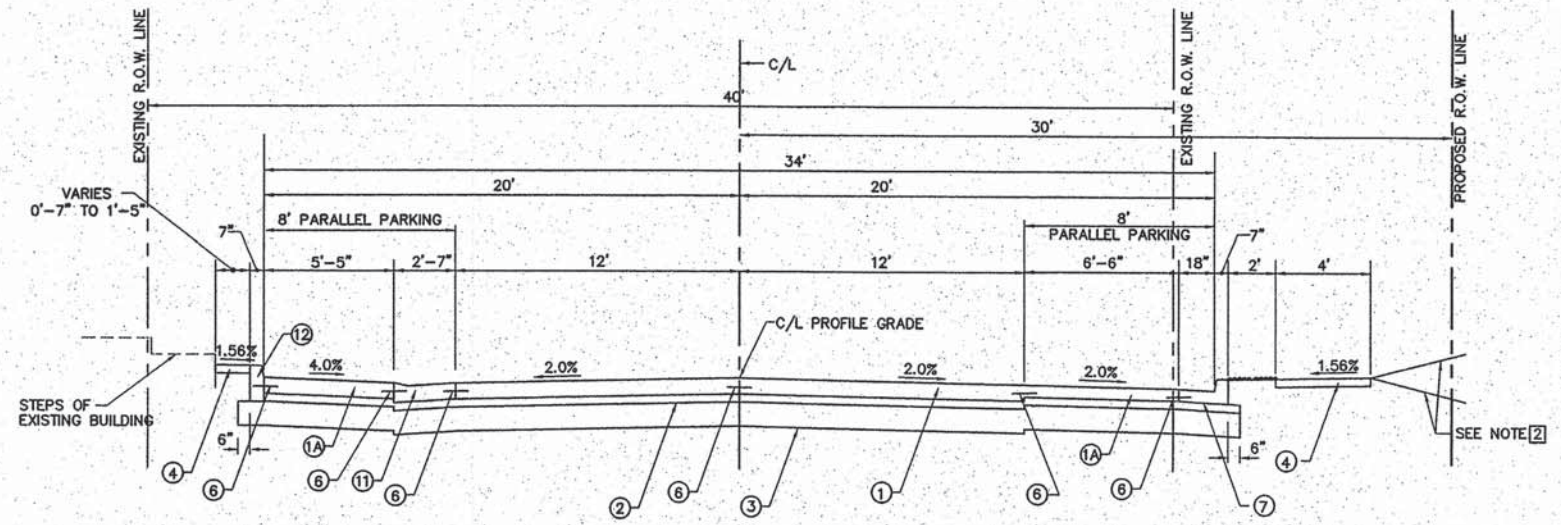
**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 50+50 TO STA. 51+08**



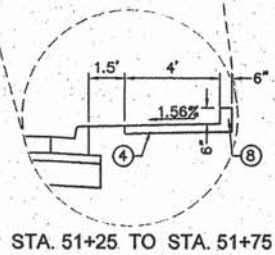
**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 57+35.31 TO STA. 58+23.42
STA. 59+39 TO STA. 61+05.75**



**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 51+08 TO STA. 57+35.31**



**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 58+23.42 TO STA. 59+39**



STA. 51+25 TO STA. 51+75

MIX DESIGNS	
MIXTURE USE	INCIDENTAL
AC/PG	PG 64-22
MAX. RAP%	*
DESIGN AIR VOIDS	4% • Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	----
FRICTION AGG.	MIX C

* SEE SPECIAL PROVISIONS

MIX DESIGNS	
MIXTURE USE	BASE CSE. WID.
AC/PG	PG 64-22
MAX. RAP%	*
DESIGN AIR VOIDS	4% • Ndes=70
MIX COMPOSITION (GRADATION MIXTURE)	IL-19.0
FRICTION AGG.	----

* SEE SPECIAL PROVISIONS

PAVING LEGEND

- ① PORTLAND CEMENT CONCRETE PAVEMENT 8"
- ①A PORTLAND CEMENT CONCRETE PAVEMENT 7"
- ② SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- ③ PROCESSING MODIFIED SOIL 12"
- ④ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
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- ⑫ CONCRETE CURB, TYPE B
- ⑬ INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL) (8")
- ⑭ INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL) (7")
- ⑮ PIPE UNDERDRAINS 4"

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- ③ SEE PIPE UNDERDRAINS SCHEDULE FOR LOCATIONS OF PIPE UNDERDRAINS. OUTLET PIPE UNDERDRAINS TO STORM SEWER INLETS. SEE SHEET 7 FOR DETAIL.

REVISIONS

SMS ENGINEERS
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215 Madinet Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: sm@smsengineers.com
10 Central Industrial Drive, Suite 3, Gravel City, IL 62040 618/777-5700 E-mail: ms@smsengineers.com
DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
PROPOSED TYPICAL SECTIONS

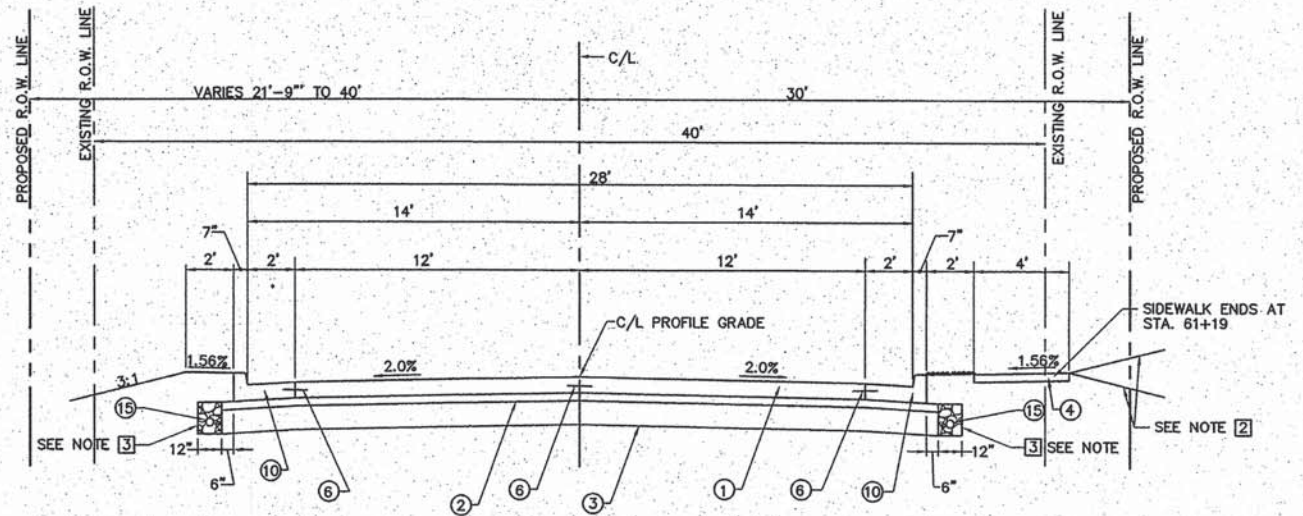
CONTRACT NO. 97569
ALT 2 BRUSSELS TYPICALS.DWG
REF. BK. PG.
JOB NO. 217880.2
DSN. BY: DEG
OWN. BY: CDP
CHK. BY: DEG
DATE: AUGUST, 2014
SCALE: N.T.S.
SHEET 6 OF 46

PAVING LEGEND

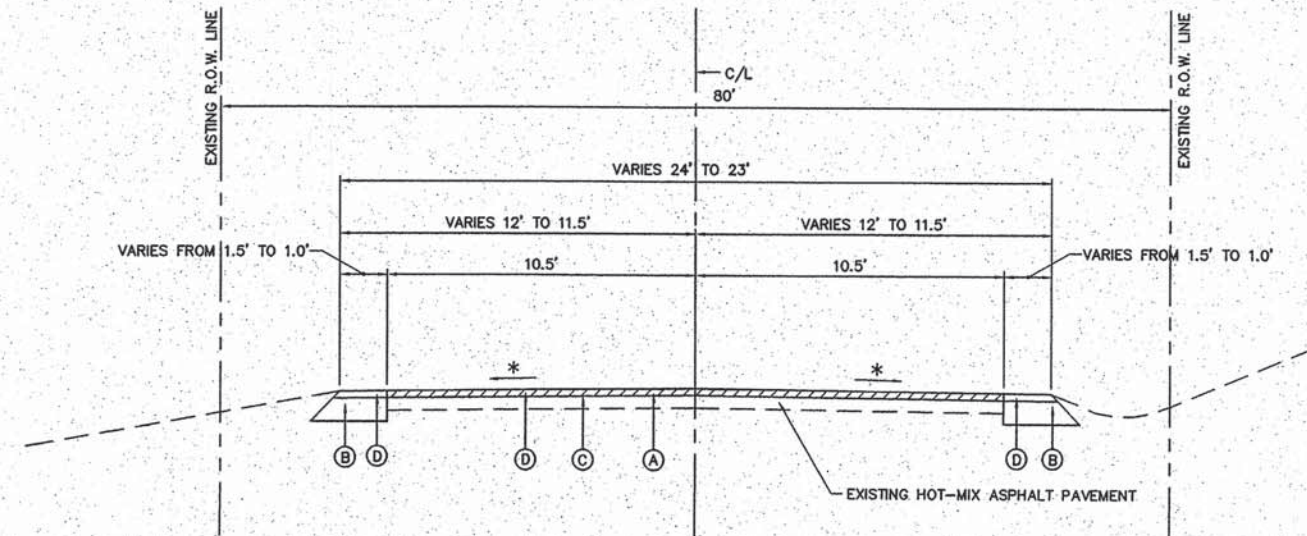
- ① PORTLAND CEMENT CONCRETE PAVEMENT 8"
- ①A PORTLAND CEMENT CONCRETE PAVEMENT 7"
- ② SUB-BASE GRANULAR MATERIAL, TYPE A (4")
- ③ PROCESSING MODIFIED SOIL 12"
- ④ PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH
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- ⑥ EPOXY COATED #6 TIE BARS SEE NOTE ①
- ⑦ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.18
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- ⑨ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.12 W / DEPRESSED CURB
- ⑩ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24
- ⑪ COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24 W / DEPRESSED CURB
- ⑫ CONCRETE CURB, TYPE B
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- ⑭ INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL) (7")
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TYPICAL SECTION NOTES

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- ② SEE CROSS SECTIONS FOR GRADING. TYPICAL SLOPE IS 4:1. MAXIMUM SLOPE IS 3:1.
- ③ SEE PIPE UNDERDRAINS SCHEDULE FOR LOCATIONS OF PIPE UNDERDRAINS. OUTLET PIPE UNDERDRAINS TO STORM SEWER INLETS. SEE SHEET 7 FOR DETAIL.



**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 61+05.75 TO STA. 62+77.50**

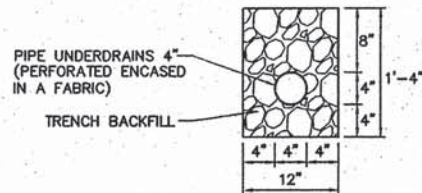


* CROSS SLOPE TRANSITIONS FROM 2% AT 62+77.50 TO MATCH EXISTING AT STA. 63+15

**PROPOSED TYPICAL SECTION
MAIN STREET
STA. 62+77.50 TO STA. 63+15**

PAVING LEGEND

- ① PROPOSED HOT-MIX ASPHALT SURFACE REMOVAL, VARIABLE DEPTH
- ② PROPOSED HOT-MIX ASPHALT BASE COURSE WIDENING, 12"
- ③ PROPOSED BITUMINOUS MATERIALS (PRIME COAT)
- ④ PROPOSED INCIDENTAL HOT-MIX ASPHALT SURFACING (SPECIAL) (1 1/2")



PIPE UNDERDRAIN DETAIL

MIX DESIGNS	
MIXTURE USE	INCIDENTAL
AC/PG	PG 64-22
MAX. RAP%	*
DESIGN AIR VOIDS	4% @ NDES=70
MIX COMPOSITION (GRADATION MIXTURE)	----
FRICITION AGG.	MIX C

* SEE SPECIAL PROVISIONS

MIX DESIGNS	
MIXTURE USE	BASE CSE. WD.
AC/PG	PG 64-22
MAX. RAP%	*
DESIGN AIR VOIDS	4% @ NDES=70
MIX COMPOSITION (GRADATION MIXTURE)	IL-19.0
FRICITION AGG.	----

* SEE SPECIAL PROVISIONS

REVISIONS

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DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO. 1 EXT.) - PHASE 1
PROPOSED TYPICAL SECTIONS

CONTRACT NO. 97569
ALT 2 BRUSSELS TYPICALS.DWG
REF. BK. PG.
JOB NO. 217880.2
DSN. BY: DEG
DWN. BY: COP
CHK. BY: DEG
DATE: AUGUST, 2014
SCALE: N.T.S.
SHEET 7 OF 46

PIPE UNDERDRAIN SCHEDULE		
LOCATION STA. TO STA.	PIPE UNDERDRAINS 4" (FOOT)	* TRENCH BACKFILL (CU. YD.)
49+04 TO 49+54 LT.	50	2.3
49+04 TO 49+54 RT.	50	2.3
49+54 TO 50+04 LT.	50	2.3
49+54 TO 50+04 RT.	50	2.3
55+96 TO 56+46 LT.	50	2.3
55+96 TO 56+46 RT.	50	2.3
56+46 TO 56+96 LT.	50	2.3
56+46 TO 56+96 RT.	50	2.3
59+98 TO 60+98 LT.	100	4.6
59+98 TO 60+98 RT.	100	4.6
61+01 TO 62+71 LT.	170	7.8
61+06 TO 62+71 RT.	165	7.6
TOTALS	935	43.0

*THE TRENCH BACKFILL QUANTITY IS SHOWN FOR INFORMATION ONLY. THE COST SHALL BE INCLUDED IN THE COST OF THE PIPE UNDERDRAINS 4".

EARTHWORK SCHEDULE					
LOCATION	EARTH EXCAVATION (CUT) (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. 47+69 TO 54+50	824	618	114	+504	
STA. 54+50 TO 59+12	544	408	609	-201	
STA. 59+12 TO 63+15	145	109	1,475	-1,366	
TOTAL	1,513	1,135	2,198	-1,063	1,063

*ASSUME SHRINKAGE FACTOR = 25%

STORM SEWER SCHEDULE																	
PIPE NO.	STRUCTURES	PLAN LENGTH (FOOT)	DEDUCTION		ACTUAL PAY LENGTH (FOOT)	STORM SEWERS CLASS A			STORM SEWERS CLASS B			STORM SEWERS, WMQ PIPE		PIPE DRAINS (SPECIAL)		TRENCH BACKFILL (CU. YD.)	
			UP STREAM (FOOT)	DOWN STREAM (FOOT)		TYPE 1 12" (FOOT)	TYPE 1 15" (FOOT)	TYPE 2 12" (FOOT)	TYPE 2 15" (FOOT)	TYPE 1 12" (FOOT)	TYPE 2 12" (FOOT)	TYPE 2 15" (FOOT)	TYPE 1 12" (FOOT)	4" (FOOT)	8" (FOOT)		
1	1 TO 2	39	1.0	1.5	36.5	36.5											4.8
2	2 TO 4	62	1.5	1.5	59.0	59.0											12.7
3	3 TO 4	39	1.0	1.5	36.5	36.5											5.6
4	5 TO 6	26	1.0	1.5	23.5	23.5											4.6
5	6 TO 8	107	1.5	2.0	103.5	103.5											24.4
6	11 TO 12	26	1.5	1.5	23.0		23.0										4.9
7	12 TO 8	155	1.5	2.0	151.5			151.5									50.3
8	7 TO 8	26	1.5	2.0	22.5	22.5											5.3
9	9 TO 11	26	1.0	1.5	23.5							23.5					4.6
10	10 TO 11	92	1.0	1.5	89.5							89.5					15.5
11	13 TO 14	33	1.0	1.5	30.5	30.5											5.9
12	14 TO 16	173	1.5	1.5	170.0							170.0					25.8
13	15 TO 16	27	1.0	1.5	24.5	24.5											3.2
14	16 TO 17	57	1.5	6.0	49.5	49.5											6.5
15																	
16																	
17																	
18																	
19																	
20	4 TO 23	45	1.5	1.5	42.0			42.0									0.0
21	23 TO 24	105	1.5	1.5	102.0				102.0								0.0
22	24 TO 25	20	1.5	1.5	17.0				17.0								0.0
23	25 TO 26	50	1.5	1.5	47.0					47.0							0.0
24	26 TO 27	25	1.5	6.0	17.5			17.5									0.0
25	8 TO 28	42	2.0	1.5	38.5						38.5						0.0
26	28 TO 29	80	1.5	1.5	77.0				77.0								0.0
27	29 TO 30	102	1.5	1.5	99.0				99.0								0.0
28	30 TO 31	30	1.5	1.5	27.0				27.0								9.2
29	- TO 7	15	-	1.0	14.0								14.0				1.9
30	- TO 32	11	-	-	11.0							11.0					0.0
31		4	-	-	4.0							4.0					0.0
TOTALS		1,417	31.5	46.0	1,361.0	386.0	23.0	211.0	203.0	17.0	149.0	38.5	283.0	15.0	14.0		185.2

NOT USED
NOT USED
NOT USED
NOT USED
NOT USED

CONCRETE STEPS AND HANDRAIL SCHEDULE		
LOCATION	CONCRETE STEPS (CU. YD.)	PIPE HANDRAIL, SPECIAL (FOOT)
48+57 RT.	0.50	10
52+30 RT.	0.39	8
54+62 RT.	0.14	0
55+88 RT.	0.53	10
57+08 RT.	1.00	16
58+39 RT.	1.18	16
58+50 LT.	0.52	0
TOTALS	4.26	60

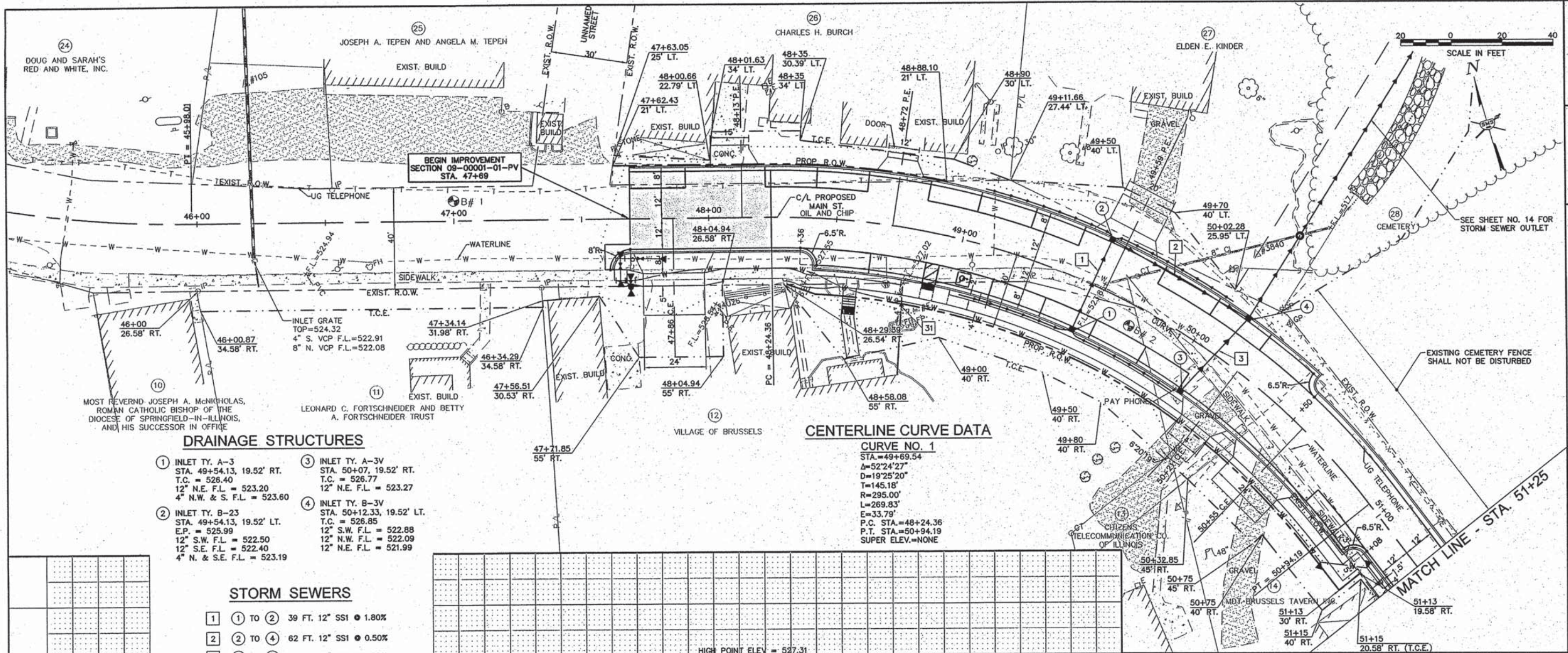
SEEDING SCHEDULE					
LOCATION	SEEDING, CLASS 1B (MODIFIED) (ACRE)	SEEDING, CLASS 2 (MODIFIED) (ACRE)	SEEDING, CLASS 3A (MODIFIED) (ACRE)	MULCH METHOD 2 (ACRE)	MULCH METHOD 3A (ACRE)
47+69 TO 54+75 LT.	0.13	0.00	0.00	0.13	-
54+75 TO 57+17 LT.	0.00	0.19	0.00	0.19	-
57+41 TO 57+60 LT.	0.01	0.00	0.00	0.01	-
59+23 TO 60+00 LT.	0.01	0.00	0.00	0.01	-
60+00 TO 63+15 LT.	0.00	0.13	0.00	0.13	-
46+00 TO 63+15 RT.	0.33	0.00	0.00	0.33	-
23 TO 29	0.00	0.04	0.00	0.04	-
23 TO 31	0.06	0.00	0.00	0.05	-
23 TO 27	0.00	0.00	0.12	-	0.12
TOTALS	0.54	0.36	0.12	0.89	0.12

REVISIONS	

SHEPPARD, MORGAN & SCHWAAB, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 MARKET STREET, P.O. BOX E, ALTON, ILL. 62002 618/452-9755 E-MAIL: MAIL@SMSENGINEERS.COM
 10 CENTRAL INDUSTRIAL DRIVE, SUITE 3, GENEVA, ILL. 60135 618/777-5100 E-MAIL: M@SMSENGINEERS.COM
 DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
 SCHEDULES OF QUANTITIES

CONTRACT NO.	97569
ALT 2 BR MAIN CONST TABLES.DWG	
REF. BK.	PG.
JOB NO.	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: AUGUST, 2014	
SCALE: VARIES	
SHEET 8 OF 46	



CENTERLINE CURVE DATA

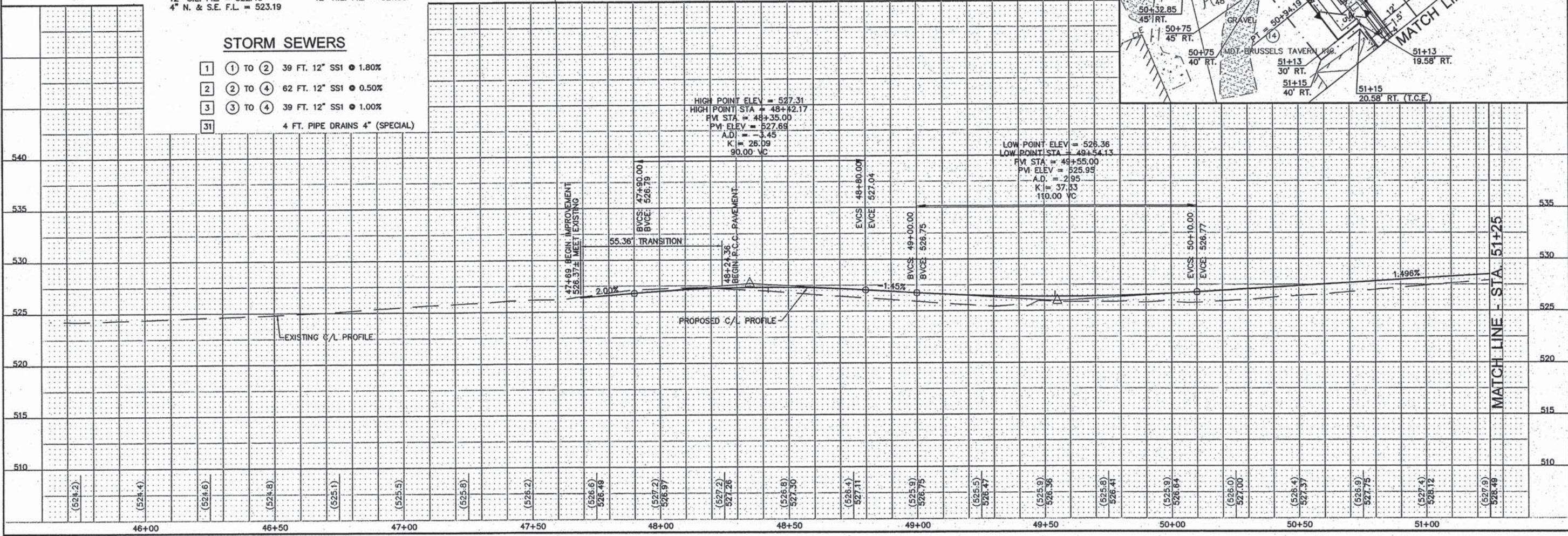
CURVE NO. 1
 STA. = 49+69.54
 $\Delta = 52^\circ 24' 27''$
 $D = 19^\circ 25' 20''$
 $T = 145.18'$
 $R = 295.00'$
 $L = 269.83'$
 $E = 33.79'$
 P.C. STA. = 48+24.36
 P.T. STA. = 50+94.19
 SUPER ELEV. = NONE

DRAINAGE STRUCTURES

- ① INLET TY. A-3
 STA. 49+54.13, 19.52' RT.
 T.C. = 526.40
 12" N.E. F.L. = 523.20
 4" N.W. & S. F.L. = 523.60
- ② INLET TY. B-23
 STA. 49+54.13, 19.52' LT.
 E.P. = 525.99
 12" S.W. F.L. = 522.50
 12" S.E. F.L. = 522.40
 4" N. & S.E. F.L. = 523.19
- ③ INLET TY. A-3V
 STA. 50+07, 19.52' RT.
 T.C. = 526.77
 12" N.E. F.L. = 523.27
- ④ INLET TY. B-3V
 STA. 50+12.33, 19.52' LT.
 T.C. = 526.85
 12" S.W. F.L. = 522.88
 12" N.W. F.L. = 522.09
 12" N.E. F.L. = 521.99

STORM SEWERS

- ① TO ② 39 FT. 12" SSI @ 1.80%
- ② TO ④ 62 FT. 12" SSI @ 0.50%
- ③ TO ④ 39 FT. 12" SSI @ 1.00%
- ③① 4 FT. PIPE DRAINS 4" (SPECIAL)



REVISIONS

SMS ENGINEERS
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 215 Market Street, P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mail@smsengineers.com
 30 Central Industrial Drive, Suite 3, Graysville, IL 62940 618877-4700 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
 PLAN AND PROFILE

CONTRACT NO. 97569

ALT 2 BRUSSELS PP SHEETS.DWG
 REF. BK. PG.
 JOB NO. 217880.2
 DSN. BY:
 DWN. BY: CDP
 CHK. BY:
 DATE: AUGUST, 2014

SCALE: 1"=20'

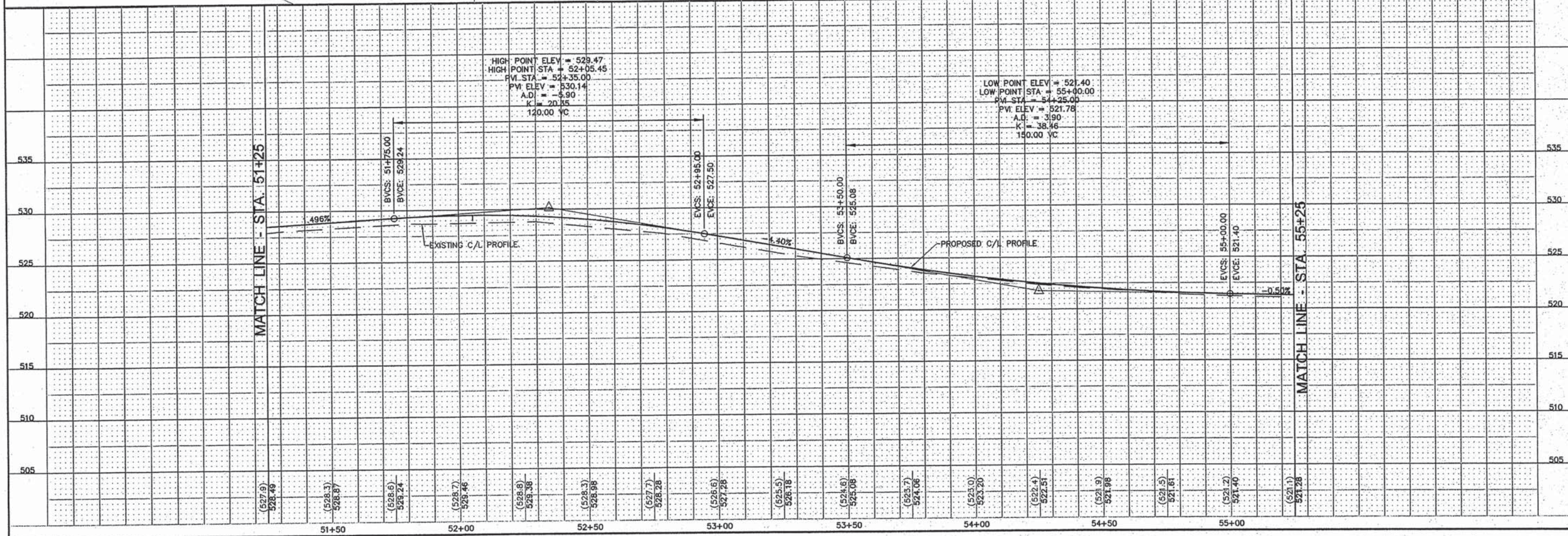
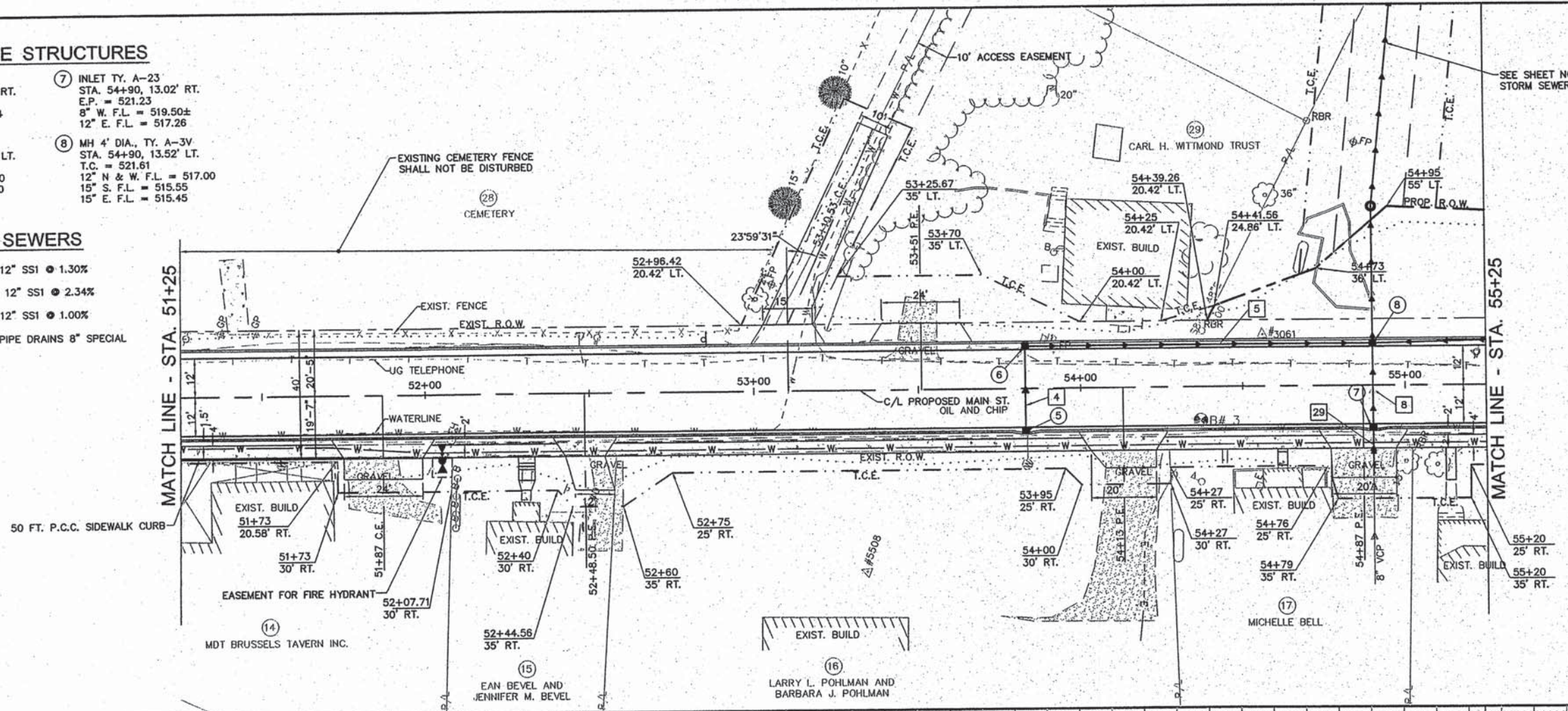
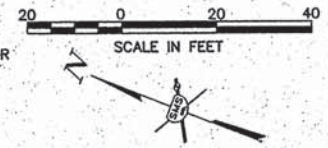
SHEET 9 OF 46

DRAINAGE STRUCTURES

- ⑤ INLET TY. A-3V
STA. 53+83, 13.02' RT.
T.C. = 523.94
12" E. F.L. = 519.94
- ⑥ INLET TY. B-3V
STA. 53+83, 13.52' LT.
T.C. = 523.91
12" W. F.L. = 519.60
12" S. F.L. = 519.50
- ⑦ INLET TY. A-23
STA. 54+90, 13.02' RT.
E.P. = 521.23
8" W. F.L. = 519.50±
12" E. F.L. = 517.26
- ⑧ MH 4' DIA. TY. A-3V
STA. 54+90, 13.52' LT.
T.C. = 521.61
12" N & W. F.L. = 517.00
15" S. F.L. = 515.55
15" E. F.L. = 515.45

STORM SEWERS

- ④ ⑤ TO ⑥ 26 FT. 12" SSI @ 1.30%
- ⑤ ⑥ TO ⑧ 107 FT. 12" SSI @ 2.34%
- ⑧ ⑦ TO ⑧ 26 FT. 12" SSI @ 1.00%
- ⑨ TO ⑦ 15 FT. PIPE DRAINS 8" SPECIAL



REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
ENGINEERS
CONSULTING ENGINEERS AND LAND SURVEYORS
216 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 Email: msl@smssheppard.com
19 Central Industrial Drive, Suite 3, Graysville, IL 62040 618/871-0100 Email: msl@smssheppard.com
DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
PLAN AND PROFILE

CONTRACT NO. 97569

ALT 2 BRUSSELS PP SHEETS.DWG
REF. BK. PG.
JOB NO. 217880.2
DSN. BY: CDP
CHK. BY:
DATE: AUGUST, 2014

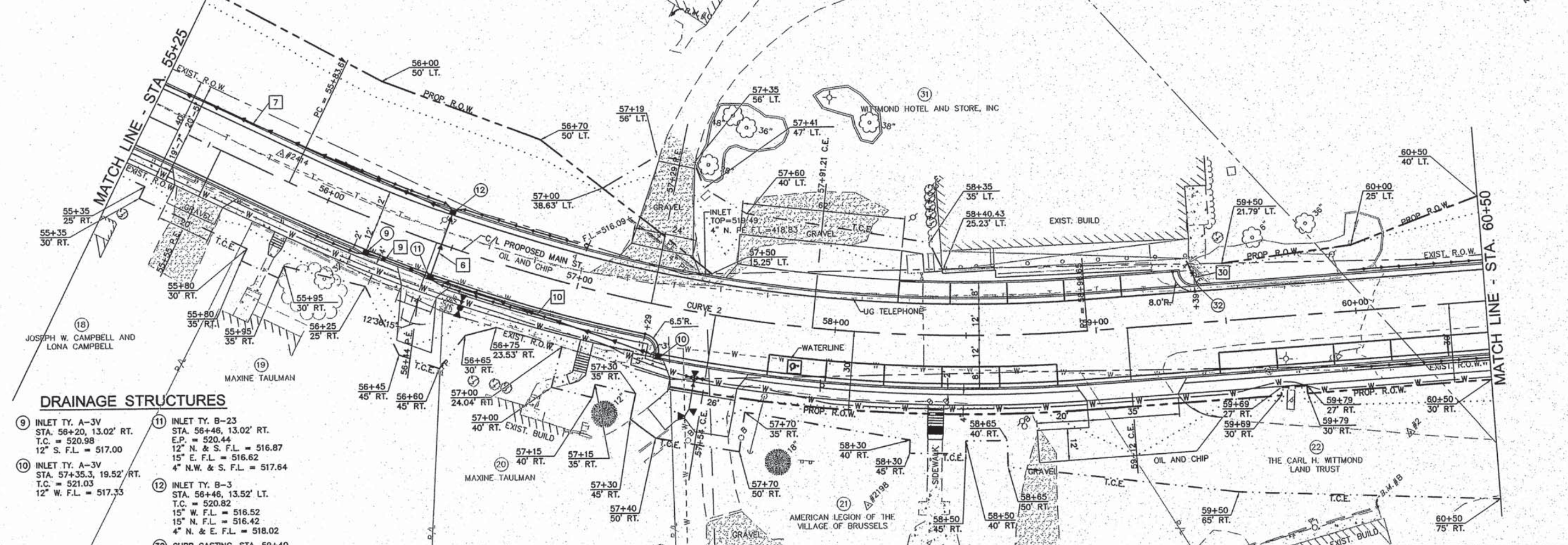
SCALE: 1"=20'
SHEET 10 OF 46

CENTERLINE CURVE DATA

CURVE NO. 2
 P.I. STA.=57+43.82
 $\Delta=29^{\circ}53'15''$
 $D=09^{\circ}32'58''$
 $T=160.14'$
 $R=600'$
 $L=312.98'$
 $E=21.00'$
 P.C. STA.=55+83.68
 STA.=58+96.66
 SUPER ELEV.=NONE

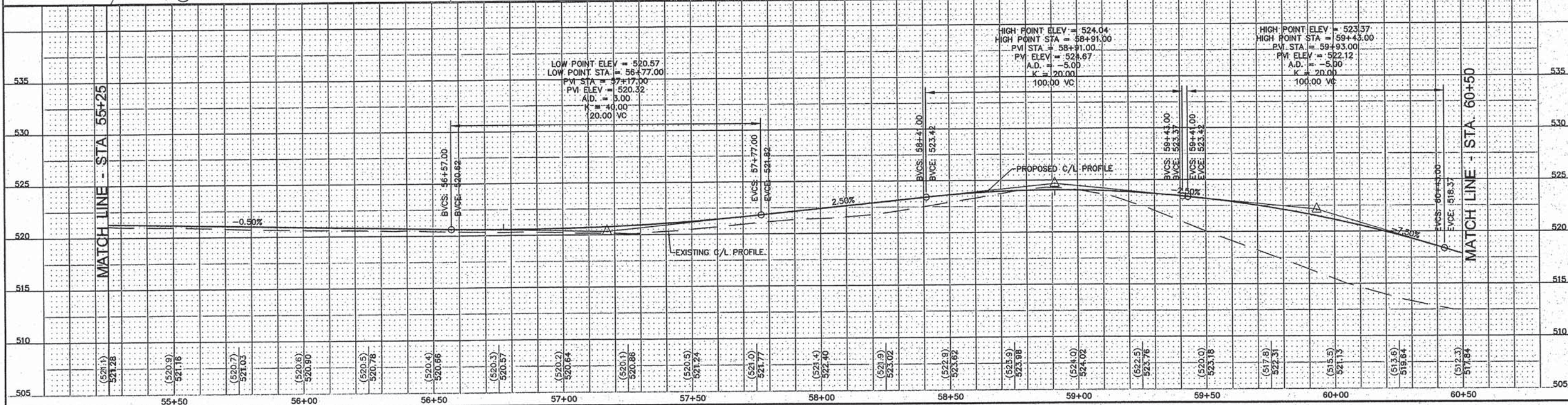
STORM SEWERS

- 6 (11) TO (12) 28 FT. 15" SSI @ 0.40%
- 7 (12) TO (8) 155 FT. 15" SS2 @ 0.56%
- 9 (9) TO (11) 26 FT. 12" SSI WMQ @ 0.50%
- 10 (10) TO (11) 92 FT. 12" SSI WMQ @ 0.50%
- 30 TO (32) 11 FT. PIPE DRAINS 4" (SPECIAL)



DRAINAGE STRUCTURES

- 9 INLET TY. A-3V
 STA. 56+20, 13.02' RT.
 T.C. = 520.98
 12" S. F.L. = 517.00
- 10 INLET TY. A-3V
 STA. 57+35.3, 19.52' RT.
 T.C. = 521.03
 12" W. F.L. = 517.33
- 11 INLET TY. B-23
 STA. 56+46, 13.02' RT.
 E.P. = 520.44
 12" N. & S. F.L. = 516.87
 4" E. F.L. = 516.62
 4" N.W. & S. F.L. = 517.64
- 12 INLET TY. B-3
 STA. 56+46, 13.52' LT.
 T.C. = 520.82
 15" W. F.L. = 516.52
 15" N. F.L. = 516.42
 4" N. & E. F.L. = 518.02
- 32 CURB CASTING, STA. 59+40



REVISIONS

SMS ENGINEERS
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 19 Central Inland Drive, Suite 3, Carle Place, IL 62004 618877-8700 E-mail: msl@smsengineers.com
 DESIGN FIRM # 184-000992

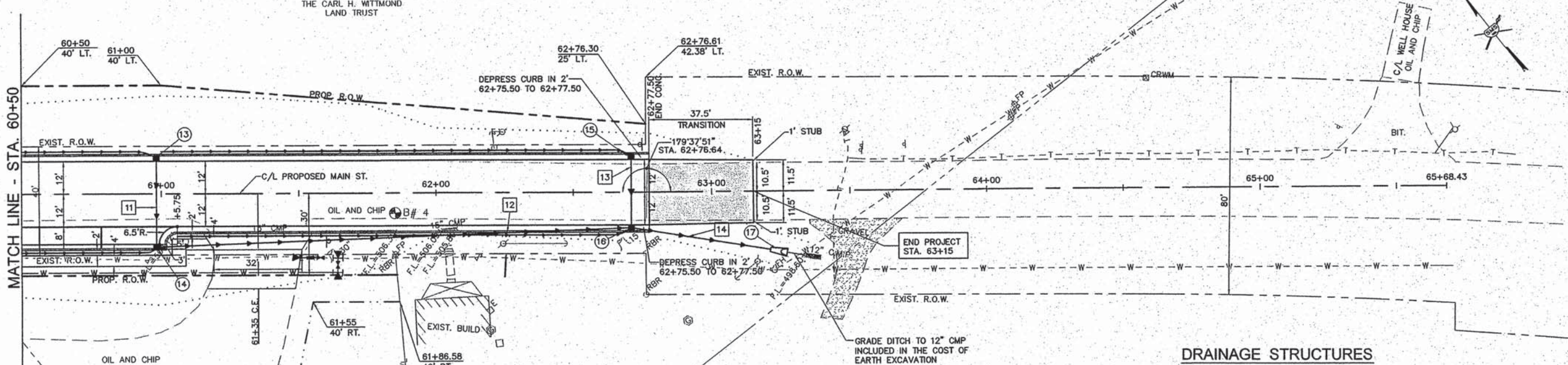
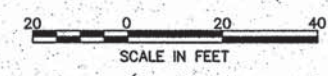
VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
 PLAN AND PROFILE

CONTRACT NO. 97569

ALT 2 BRUSSELS PP SHEETS.DWG
 REF. BK. PG.
 JOB NO. 217880.2
 DSN. BY:
 DWN. BY: CDP
 CHK. BY:
 DATE: AUGUST, 2014

SCALE: 1"=20'

SHEET 11 OF 46



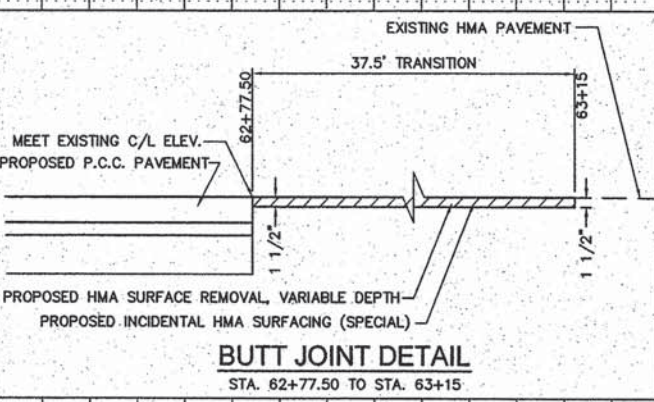
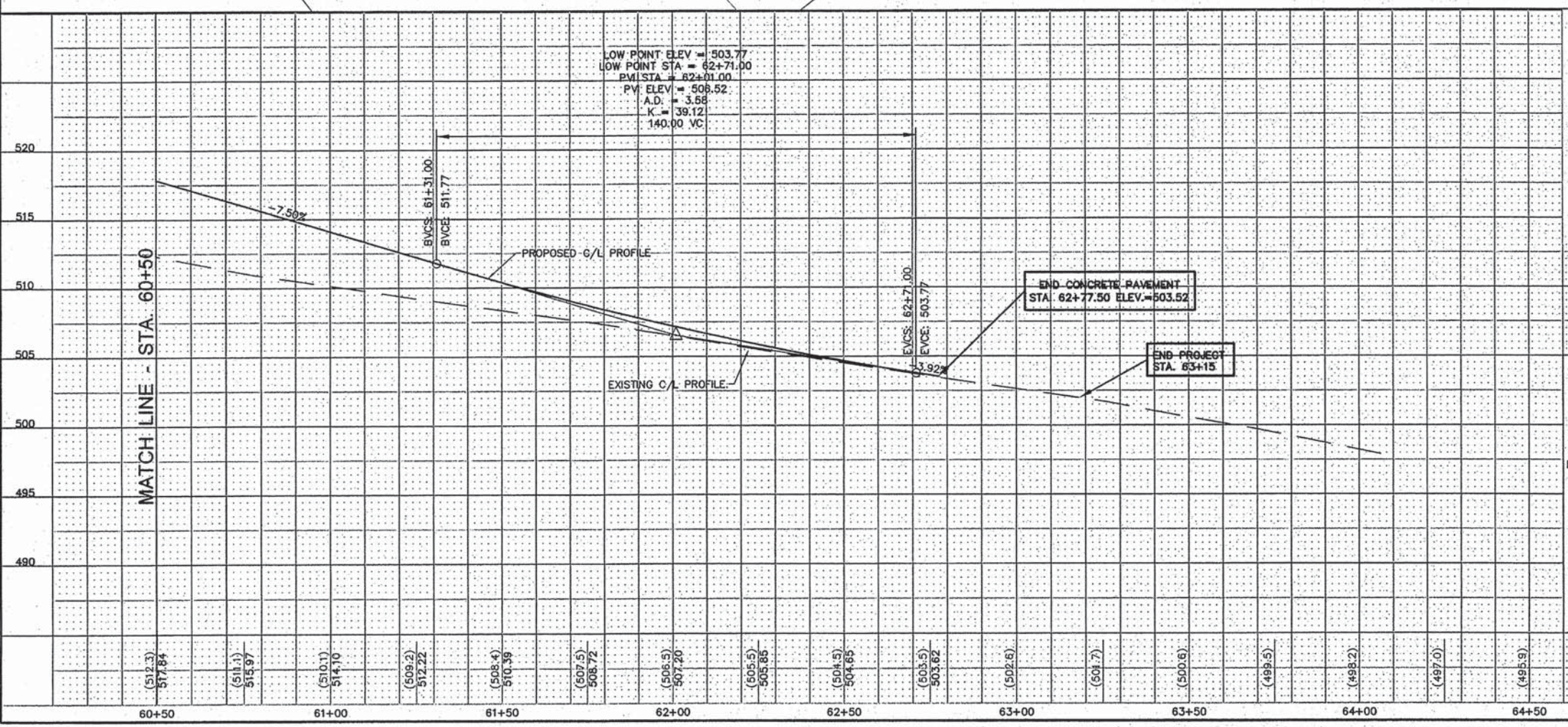
DRAINAGE STRUCTURES

- 13 INLET TY. A-3V
STA. 60+98.25, 13.52' LT.
T.C. = 514.37
12" S.W. F.L. = 510.37
4" N. F.L. = 511.57
- 14 INLET TY. B-3V
STA. 60+98.25, 19.52' RT.
T.C. = 514.27
12" N.E. F.L. = 510.04
12" S.E. F.L. = 509.94
4" W. F.L. = 511.47
- 15 INLET TY. A-3V
STA. 62+71, 13.52' LT.
T.C. = 503.92
12" S.W. F.L. = 500.93
4" N. F.L. = 501.12
- 16 INLET TY. B-3V
STA. 62+71, 13.52' RT.
T.C. = 503.92
12" N.W. F.L. = 500.80
12" N.E. F.L. = 500.80
12" S.E. F.L. = 500.70
4" W. F.L. = 501.12
- 17 PROF. END SECTION, 12"
STA. 63+27, 22.50' RT.
F.L. = 499.50±

STORM SEWERS

- 11 13 TO 14 33 FT. 12" SSI @ 1.00%
- 12 14 TO 16 173 FT. 12" SSI WMO @ 5.72%
- 13 15 TO 16 27 FT. 12" SSI @ 0.50%
- 14 16 TO 17 57 FT. 12" SSI @ 2.11%
(INCLUDES END SECTION)

LOW POINT ELEV. = 503.77
LOW POINT STA. = 62+71.00
PVI STA. = 62+01.00
PV. ELEV. = 508.52
A.D. = 3.68
K = 39.12
140.00 VC



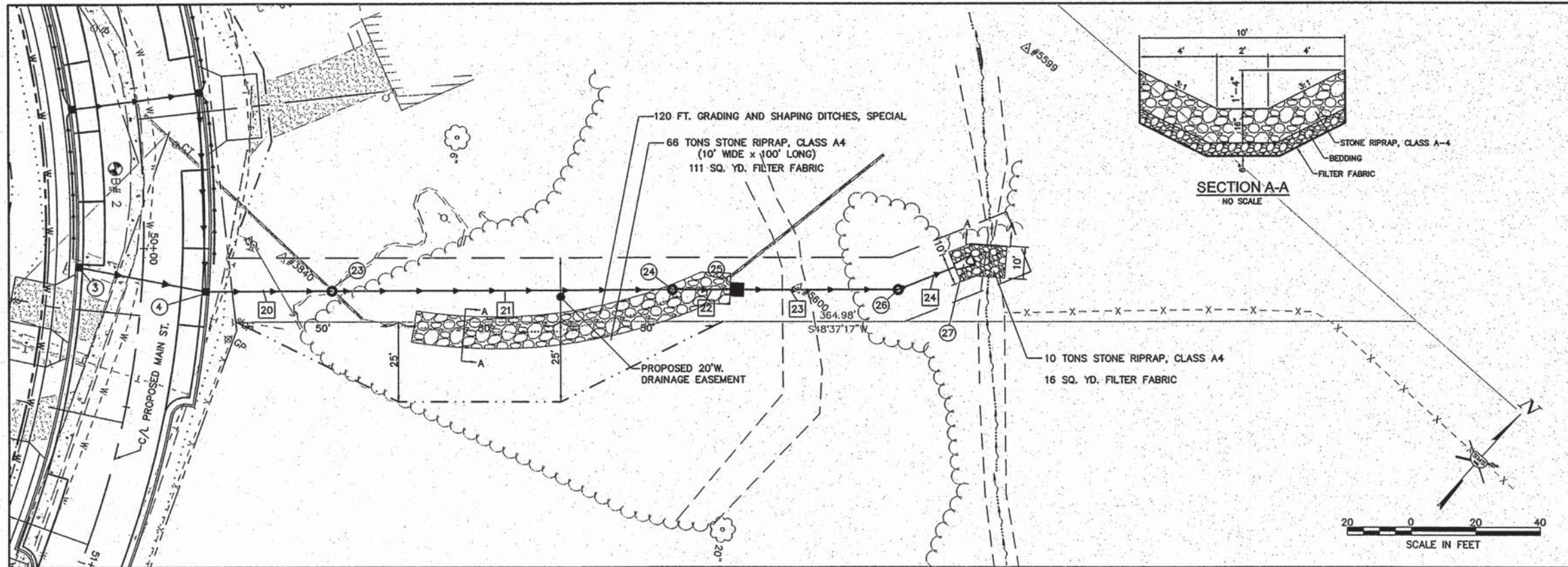
BUTT JOINT DETAIL
STA. 62+77.50 TO STA. 63+15

REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
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10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618677-8100 E-mail: mls@smsengineers.com
DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
PLAN AND PROFILE

CONTRACT NO. 97569
ALT 2 BRUSSELS PP SHEETS.DWG
REF. BK. PG.
JOB NO. 217880.2
DSN. BY:
DWN. BY: CDP
CHK. BY:
DATE: AUGUST, 2014
SCALE: 1"=20'
SHEET 12 OF 46

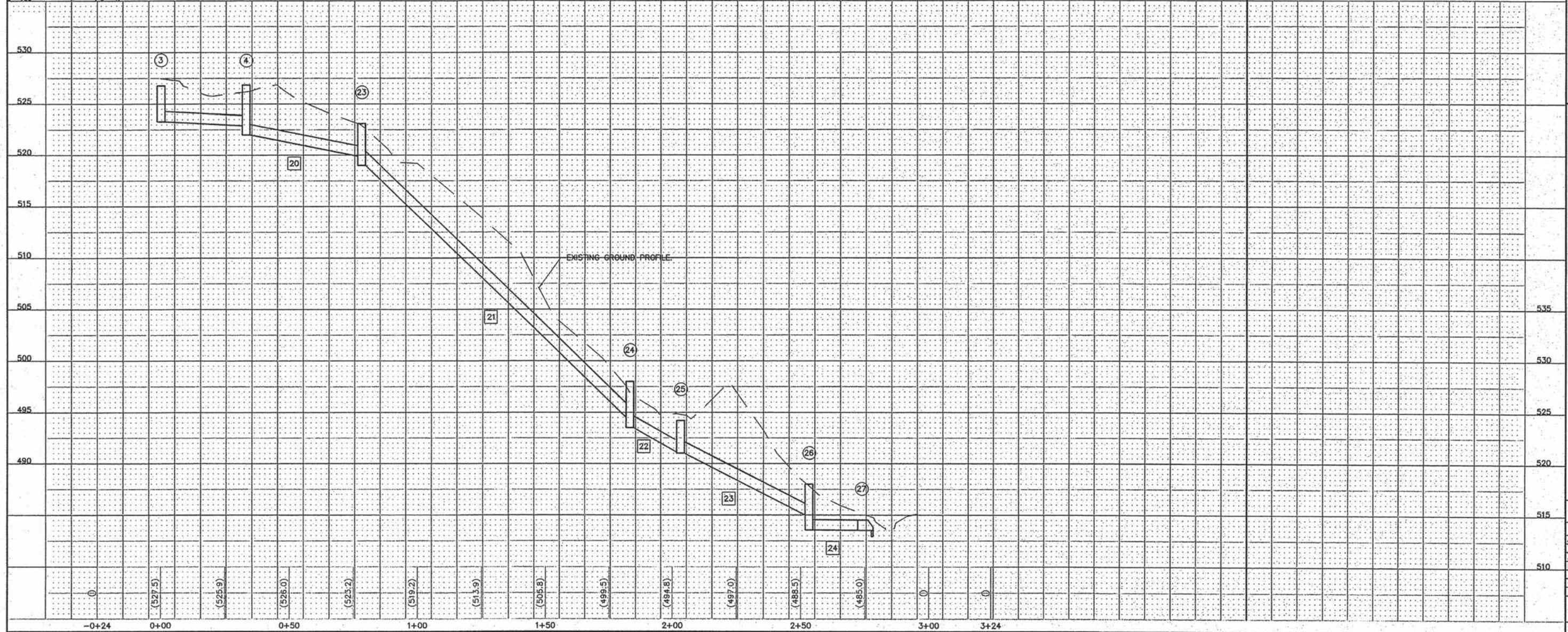


DRAINAGE STRUCTURES

- 23 INLET TY. B-1, OPEN LID
RIM = 523.10
12" W. F.L. = 520.00
12" E. F.L. = 519.00
- 24 INLET TY. B-1, OPEN LID
RIM = 498.00
12" W. F.L. = 494.50
12" E. F.L. = 493.50
- 25 FLUSH INLET BOX STD. 542546
TOP = 494.20
12" W. F.L. = 491.10
12" E. F.L. = 491.00
- 26 INLET TY. B-1, CLOSED LID
RIM = 488.00
12" W. F.L. = 485.00
12" N. F.L. = 483.55
- 27 PRCF END SECTION, 12"
F.L. = 483.50

STORM SEWERS

- 20 4 TO 23 45 FT. 12" SS2 @ 4.42%
- 21 23 TO 24 105 FT. 12" SSB2 @ 23.33%
- 22 24 TO 25 20 FT. 12" SSB1 @ 12.00%
- 23 25 TO 26 50 FT. 12" SSB2 @ 12.00%
- 24 26 TO 27 25 FT. 12" SS2 @ 2.00%
(INCLUDES END SECTION)



REVISIONS

SMS ENGINEERS
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DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
STORM SEWER PLAN AND PROFILE

CONTRACT NO.
97569

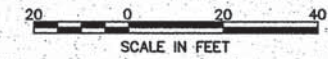
ALT 2 BRUSSELS PP SHEETS.DWG
REF. BK. PG.
JOB NO. 217880.2
DSN. BY:
DWN. BY: CDP
CHK. BY:
DATE: AUGUST, 2014

SCALE: 1"=20'

SHEET 14 OF 46

CENTERLINE CURVE DATA

CURVE NO. 2
 P.I. STA.=57+43.82
 $\Delta=29^{\circ}53'15''$
 $D=09^{\circ}32'58''$
 $T=160.14'$
 $R=600'$
 $L=312.98'$
 $E=21.00'$
 P.C. STA.=55+83.68
 STA.=58+96.66
 SUPER ELEV.=NONE

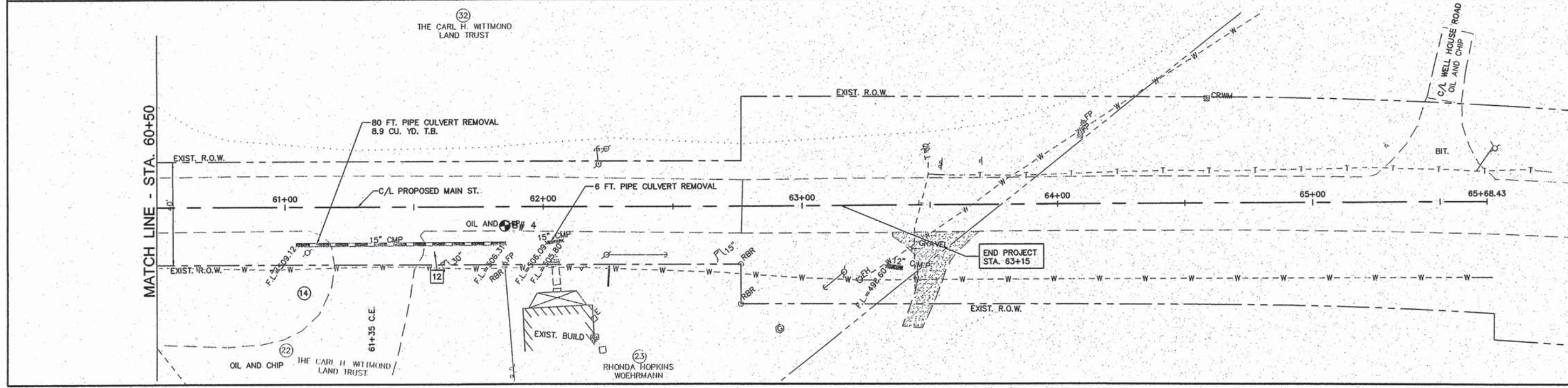
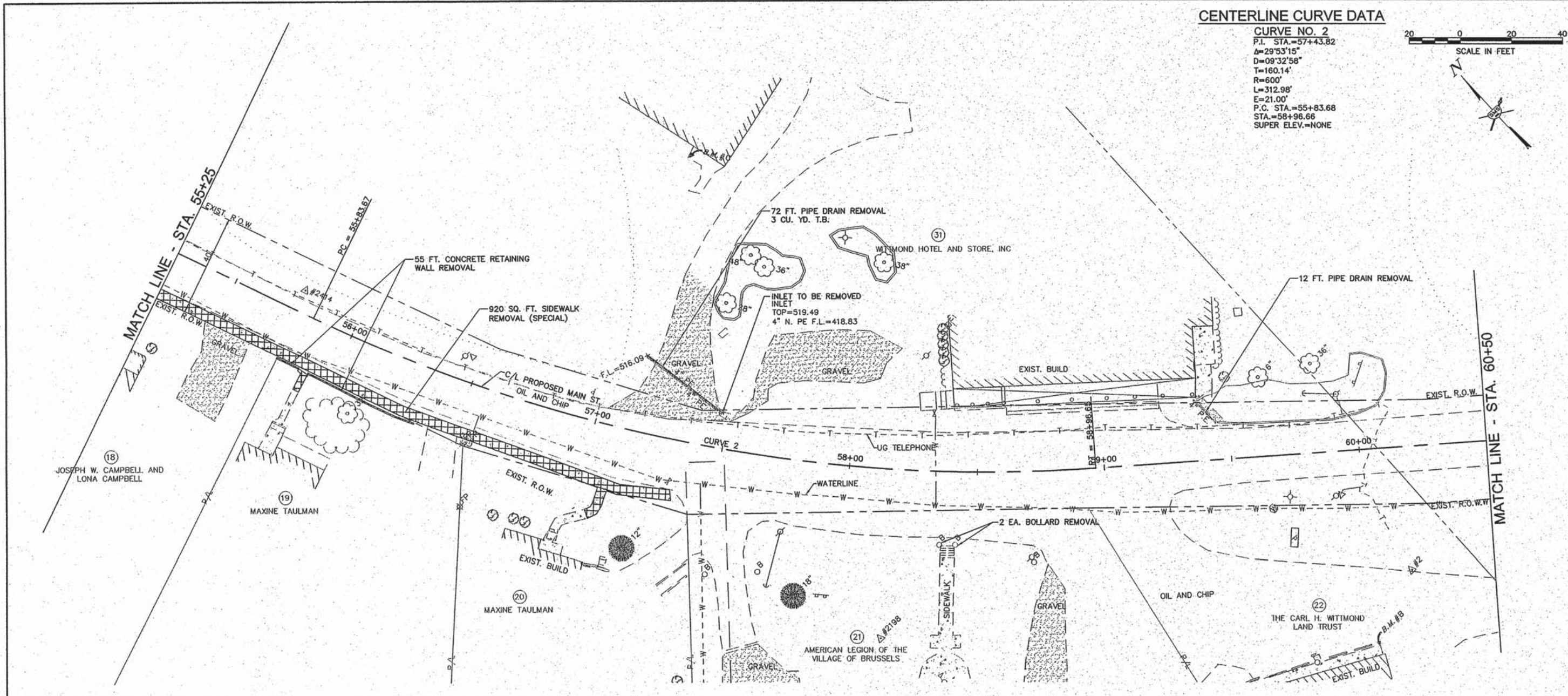


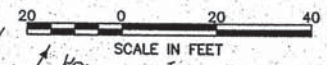
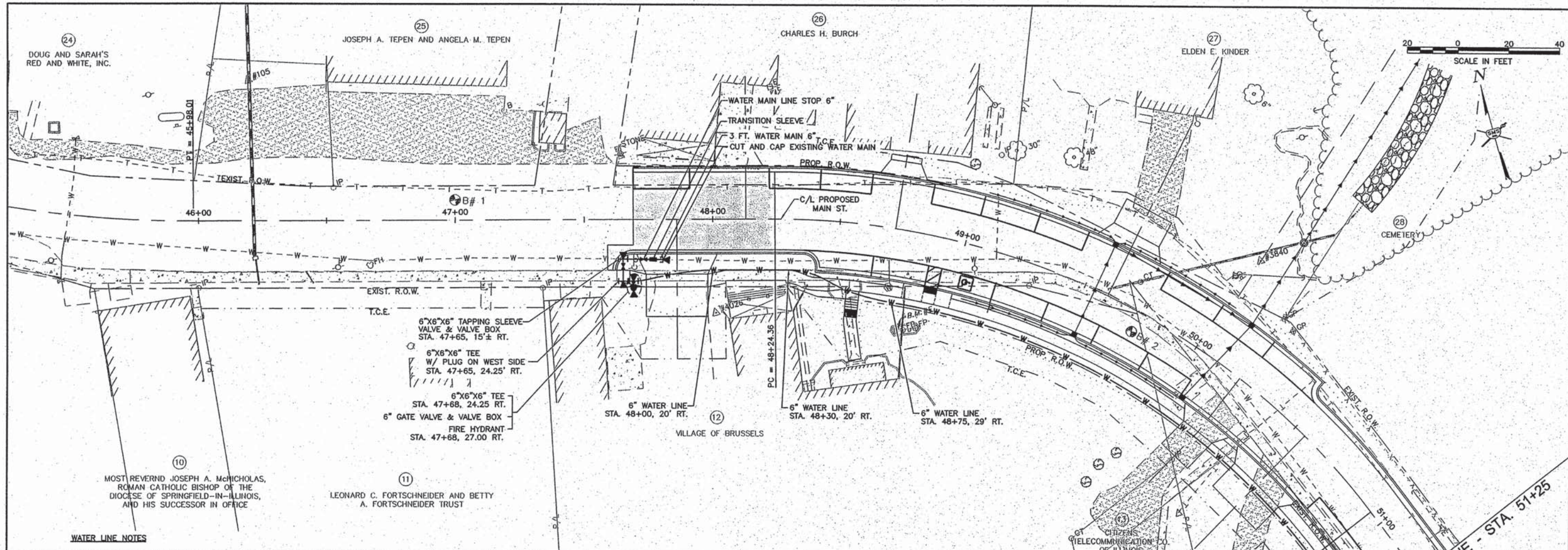
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SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mail@smsengineers.com
 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618377-5100 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
 REMOVAL ITEMS

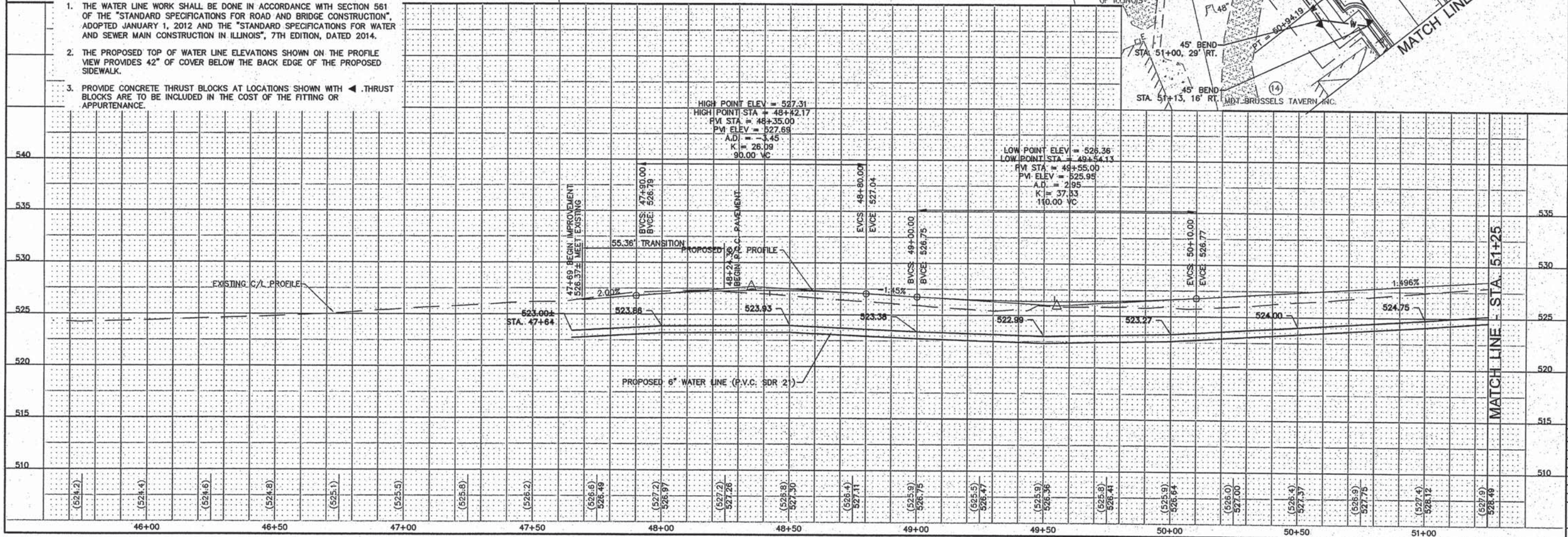
CONTRACT NO.	97569
REF. BK.	PG.
JOB NO.	217880.2
DSN. BY:	CDP
CHK. BY:	CDP
DATE:	AUGUST, 2014
SCALE:	1"=20'
SHEET	16 OF 46





WATER LINE NOTES

1. THE WATER LINE WORK SHALL BE DONE IN ACCORDANCE WITH SECTION 561 OF THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION", ADOPTED JANUARY 1, 2012 AND THE "STANDARD SPECIFICATIONS FOR WATER AND SEWER MAIN CONSTRUCTION IN ILLINOIS", 7TH EDITION, DATED 2014.
2. THE PROPOSED TOP OF WATER LINE ELEVATIONS SHOWN ON THE PROFILE VIEW PROVIDES 42" OF COVER BELOW THE BACK EDGE OF THE PROPOSED SIDEWALK.
3. PROVIDE CONCRETE THRUST BLOCKS AT LOCATIONS SHOWN WITH ▲. THRUST BLOCKS ARE TO BE INCLUDED IN THE COST OF THE FITTING OR APPURTENANCE.



REVISIONS

SMS ENGINEERS

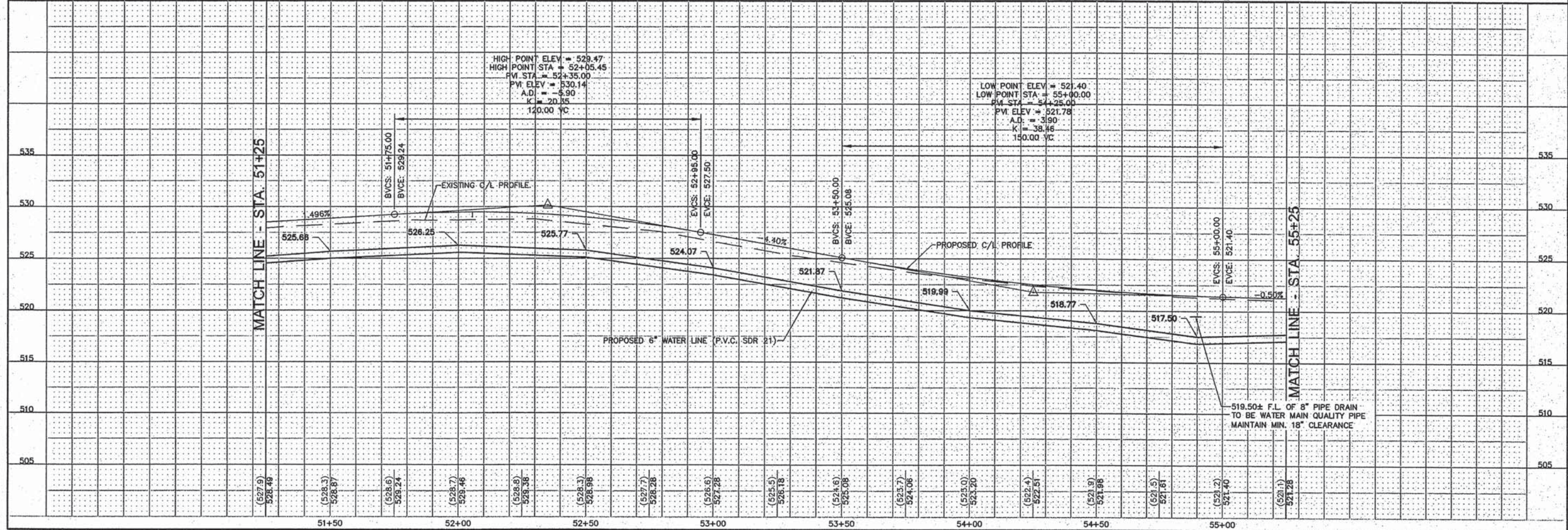
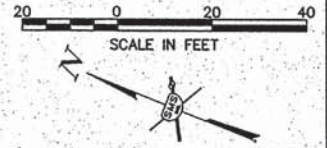
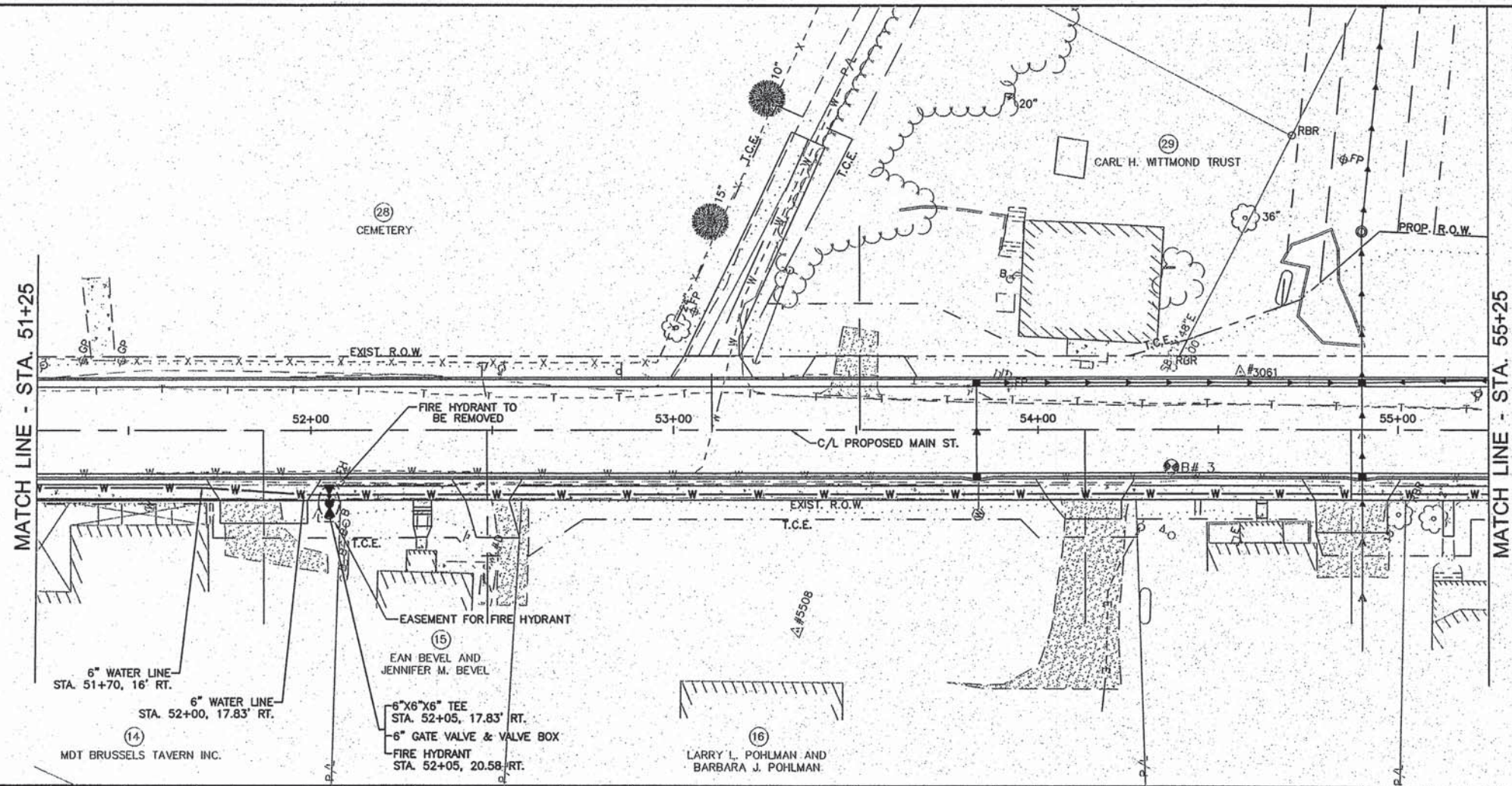
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
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DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
WATER LINE - PLAN AND PROFILE

CONTRACT NO. 97569
ALT 2 BRUSSELS WTR SHEETS LOW

REF. BK.	PG.
JOB NO. 217880.2	
DSN. BY:	
DWN. BY: CDP	
CHK. BY:	
DATE: AUGUST, 2014	

SCALE: 1"=20'
SHEET 17 OF 46



REVISIONS

SMS ENGINEERS

Sheppard, Morgan & Schwaab, Inc.
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10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618677-8700 E-mail: msa@smsengineers.com

DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
WATER LINE - PLAN AND PROFILE

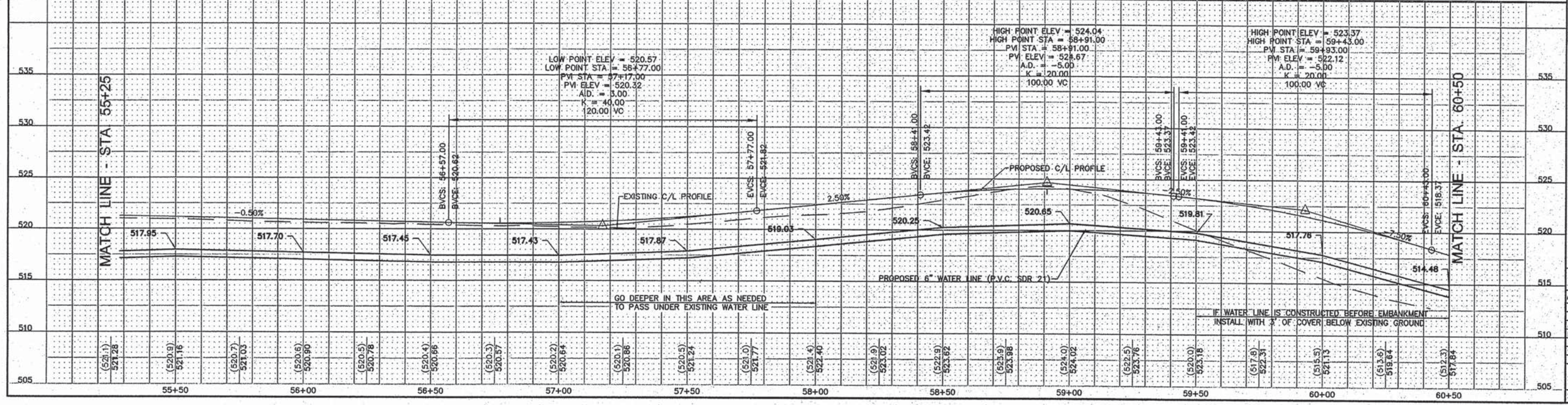
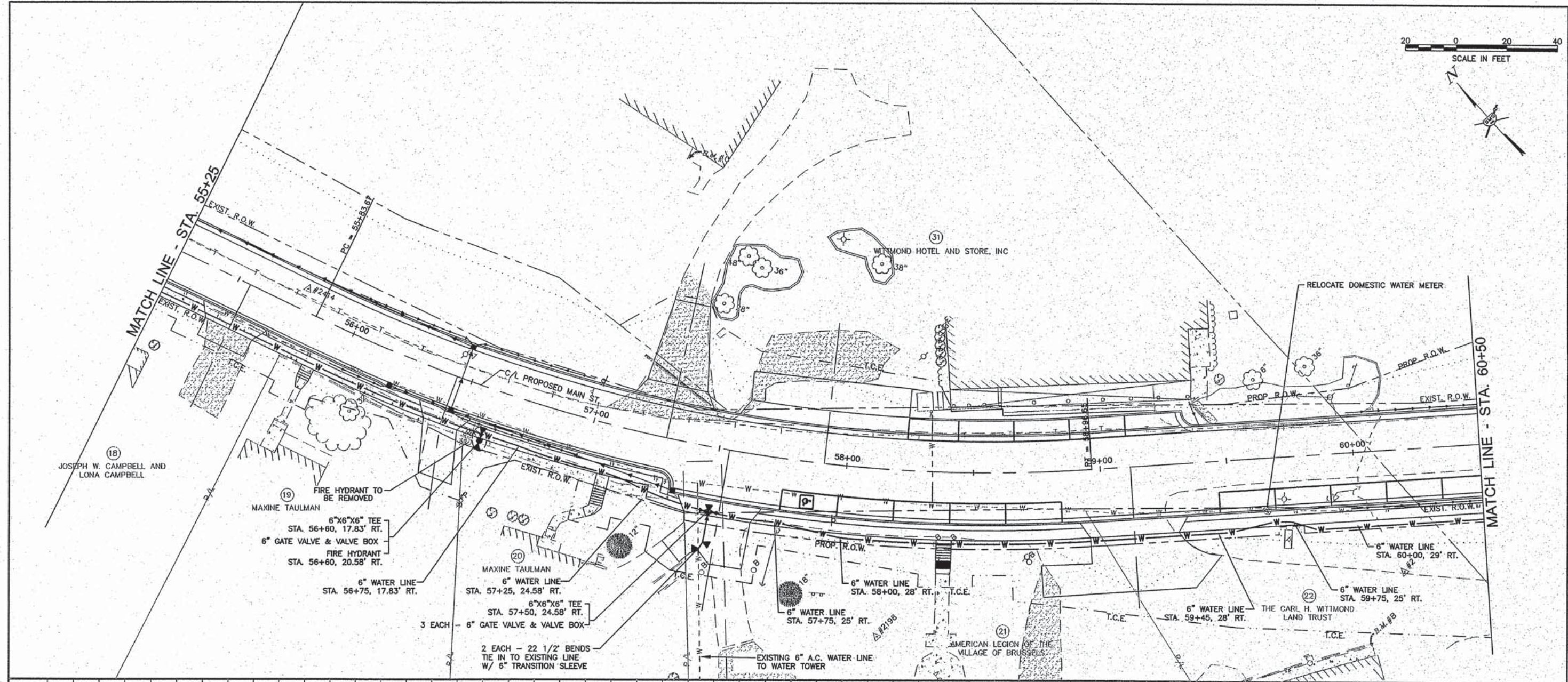
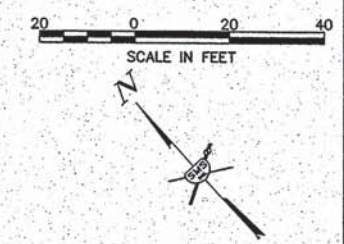
CONTRACT NO. 97569

ALT 2 BRUSSELS WTR SHEETS.DWG

REF. BK. PG.
JOB NO. 217880.2
DSN. BY:
DWN. BY: CDP
CHK. BY:
DATE: AUGUST, 2014

SCALE: 1"=20'

SHEET 18 OF 46

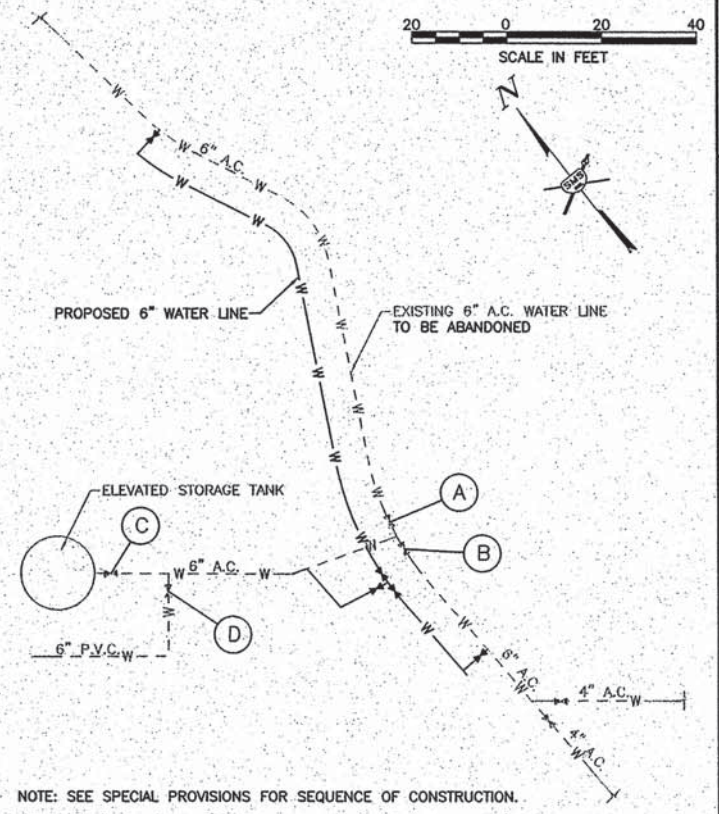
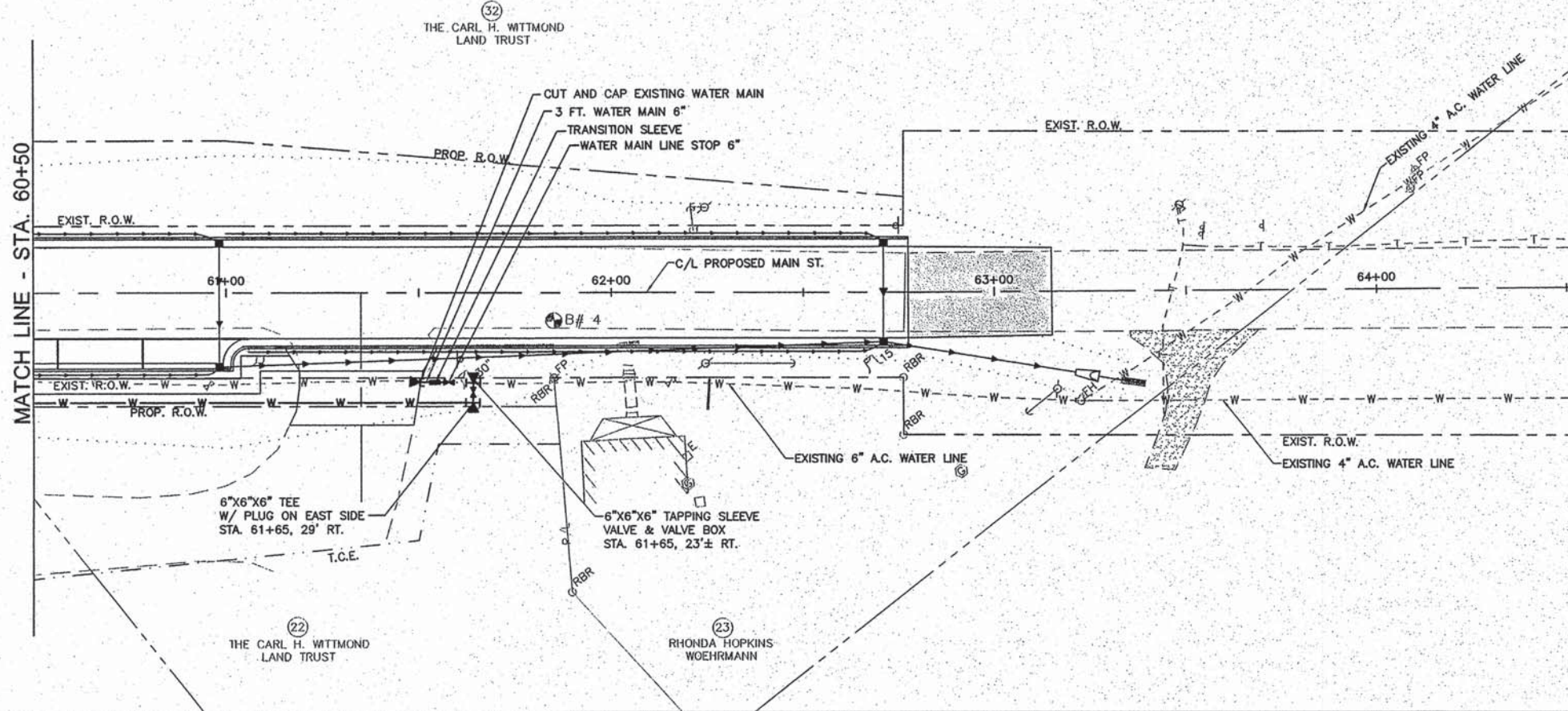


NO.	DESCRIPTION

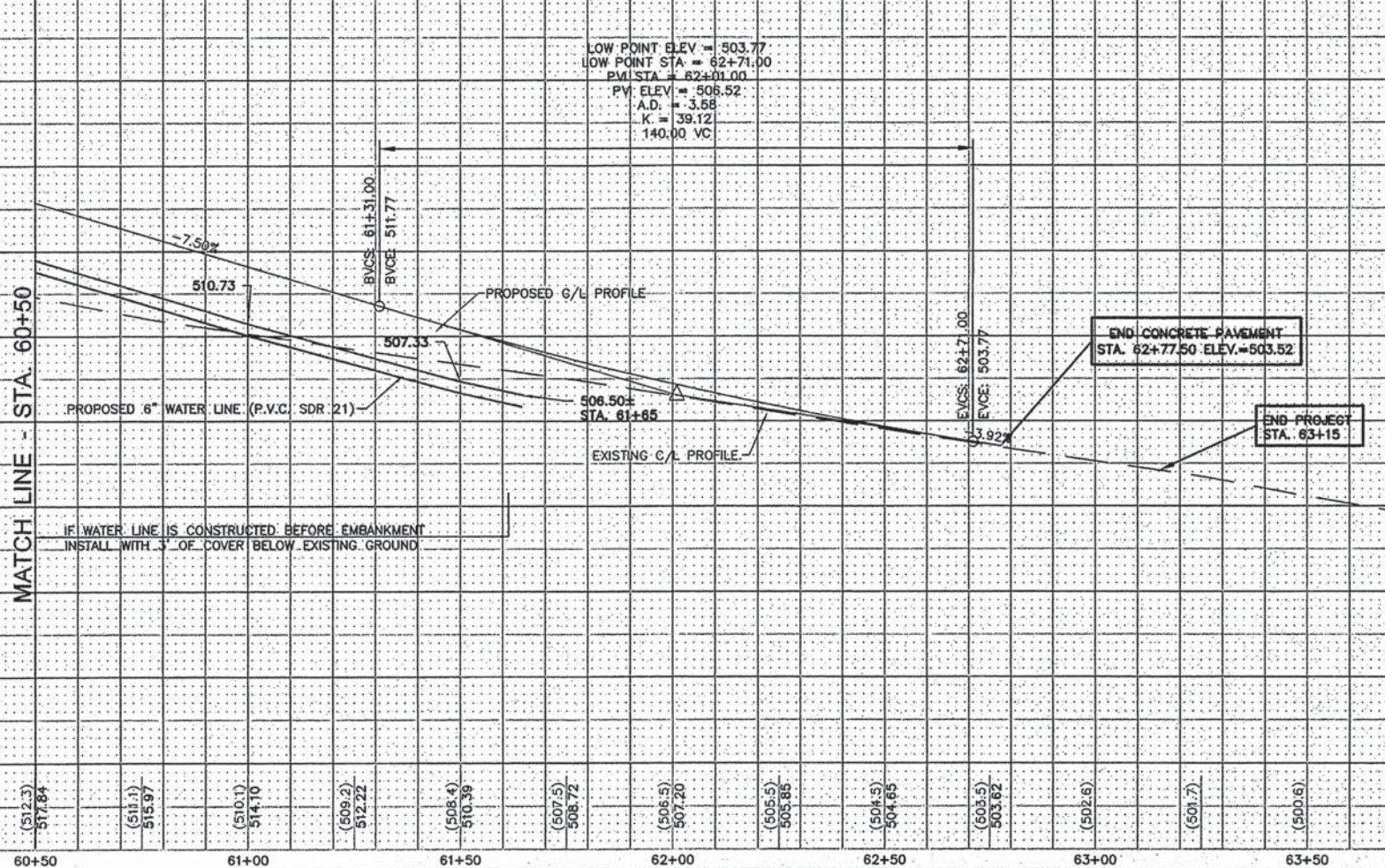
SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618462-9755 E-mail: ms@smsengineers.com
 19 Central Industrial Drive, Suite 3, Granite City, IL 62040 618877-9700 E-mail: ms@smsengineers.com
 DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
 WATER LINE - PLAN AND PROFILE

CONTRACT NO. 97569
REF. BK. PG. JOB NO. 217880.2
DSN. BY:
OWN. BY: CDP
CHK. BY:
DATE: AUGUST, 2014
SCALE: 1"=20'
SHEET 19 OF 46



WATER SYSTEM PLAN
NOT TO SCALE



LOCATION	WATER SERVICE CONNECTION 3/4" (EACH)	WATER SERVICE CONNECTION 1" (EACH)	WATER SERVICE LINE 3/4" (FOOT)	WATER SERVICE LINE 1" (FOOT)	DOMESTIC WATER METER TO BE RELOCATED (EACH)	TRENCH BACKFILL (CU. YD.)
48+30 LT.	1		45			6.3
48+70 RT.	1		5			0
49+15 LT.	1		55			7.6
51+55 RT.	1		5			0.7
52+40 RT.	1		7			0.7
53+10 LT.		1		45		6.3
53+83 RT.	1		5			0.7
53+90 LT.	1		37			5.1
54+50 RT.	1		7			0.7
55+25 RT.	1		7			0.7
56+00 RT.	1		7			0.7
57+00 RT.	1		7			0
58+30 LT.	1		55			7.6
59+65 RT.	1		7		1	0.7
TOTAL	13	1	249	45	1	37.8

REVISIONS

SMS ENGINEERS

Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: mail@smsengineers.com
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DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
WATER LINE - PLAN AND PROFILE

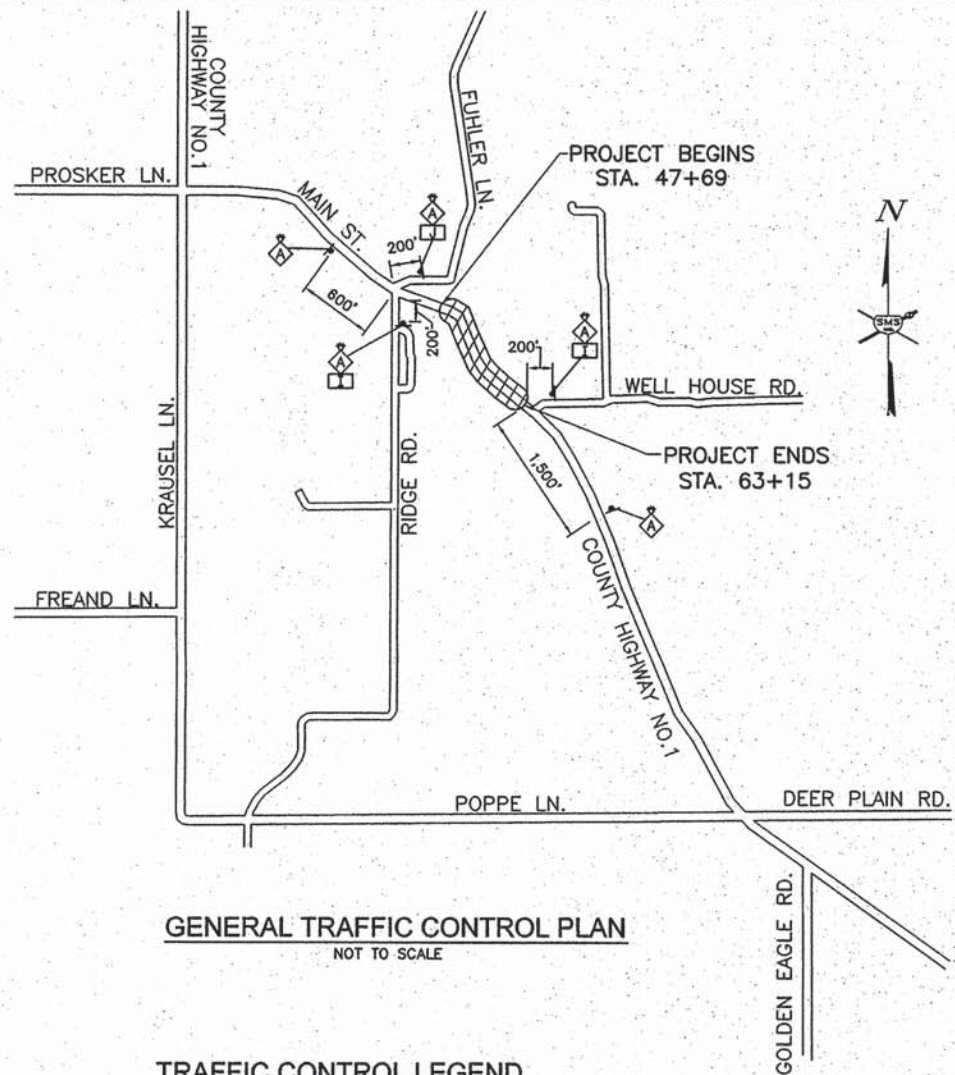
CONTRACT NO.
97569

ALT 2 BRUSSELS WTR SHEETS.DWG

REF. BK. PG.
JOB NO. 217880.2
DSN. BY:
DWN. BY: CDP
CHK. BY:
DATE: AUGUST, 2014

SCALE: 1"=20'

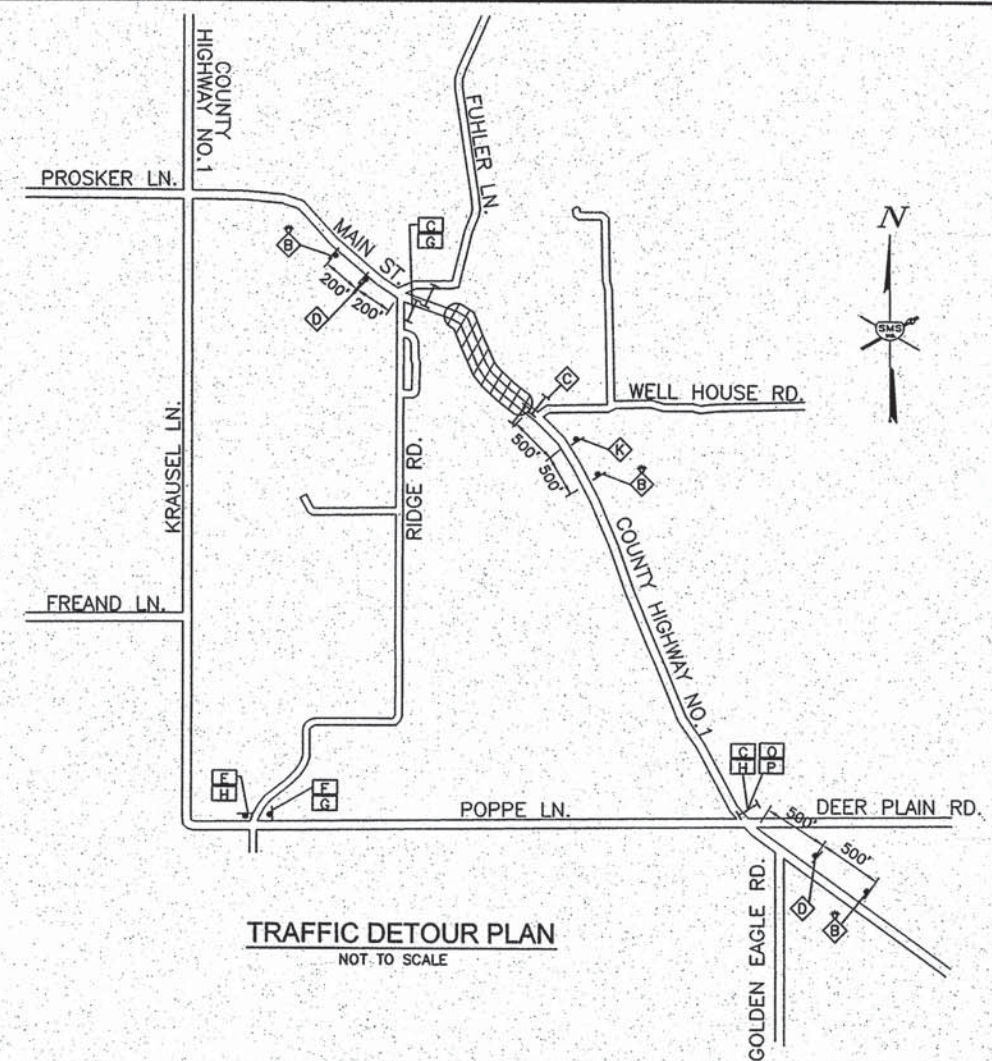
SHEET 20 OF 46



GENERAL TRAFFIC CONTROL PLAN
NOT TO SCALE

TRAFFIC CONTROL LEGEND

- WORK AREA
- TYPE III BARRICADE WITH REFLECTORIZED STRIPING ON BOTH SIDES WITH FLASHING LIGHTS
 - DRUM OR BARRICADE
- 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 TO THRU TRAFFIC" R11-4 48" x 30"
- SIGN "DETOUR AHEAD"
- SIGN "CO. HWY. NO.1" BLACK LETTERS ON ORANGE BACKGROUND 24" x 24"
- SIGN "CO. HWY. NO.1" BLACK LETTERS ON "BRUSSELS" ORANGE BACKGROUND 24" x 24"
- SIGN M4-9R 30" x 24"
- SIGN M4-9L 30" x 24"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN "ROAD CLOSED 500 FT." W20-3 (0) 48" x 48"
- SIGN "ROAD CLOSED" R11-2 48" x 30"
- SIGN "YIELD" R1-2 30" x 30" x 30"
- SIGN "TO ONCOMING TRAFFIC" R1-2aP 24" x 18"
- SIGN BLACK LETTERS ON ORANGE BACKGROUND 24" x 24"
 - "AM. LEGION"
 - "BANK OF KAMPSVILLE"
 - "POST OFFICE"
 - "WITTMOND HOTEL"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 18" x 18"



TRAFFIC DETOUR PLAN
NOT TO SCALE

TRAFFIC CONTROL NOTES

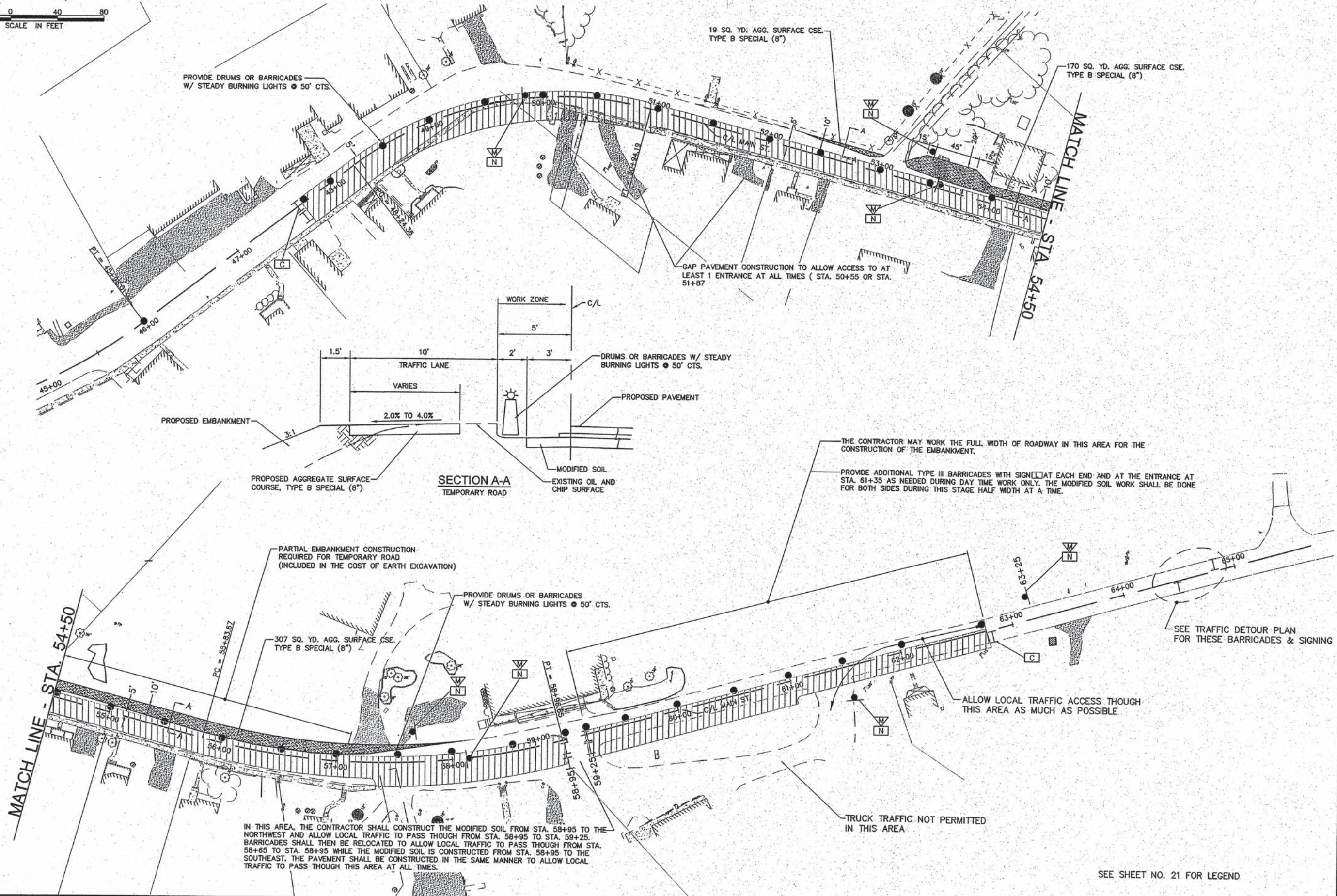
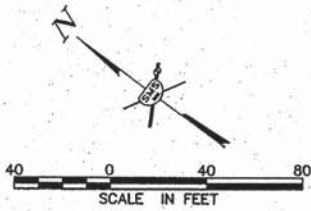
1. THE CONTRACTOR SHALL PROVIDE THE TRAFFIC CONTROL SHOWN ON THE GENERAL TRAFFIC CONTROL PLAN AT ALL TIMES DURING THE CONSTRUCTION OF THIS PROJECT. ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED AS SPECIFIED BELOW AND IN ACCORDANCE WITH THE SPECIFIED HIGHWAY STANDARDS.
2. AT TIMES WHEN ALL TRAFFIC LANES ARE OPEN, PROVIDE TRAFFIC CONTROL AS NEEDED PER HIGHWAY STANDARD 701006, 701301 OR 701501.
3. STAGE 1 - WORK TO BE PERFORMED DURING THIS STAGE INCLUDES WATER LINES, STORM SEWERS, REMOVAL ITEMS AND EARTHWORK OUTSIDE THE LIMITS OF THE EXISTING ROADWAY. DURING STAGE 1, MAIN STREET SHALL REMAIN OPEN TO THROUGH TRAFFIC. ONE TRAFFIC LANE WILL BE ALLOWED TO BE CLOSED DURING DAY TIME HOURS AS NEEDED TO CONSTRUCT THE IMPROVEMENTS. TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE GENERAL TRAFFIC CONTROL PLAN AND APPLICABLE HIGHWAY STANDARDS. FOR STORM SEWER ROAD CROSSINGS, IF THE COUNTY ENGINEER PERMITS THE DETOUR (DUE TO ROAD CONDITIONS), THEN MAIN STREET MAY BE CLOSED TO THROUGH TRAFFIC DURING DAY TIME HOURS ONLY AND ADDITIONAL TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE TRAFFIC DETOUR PLAN.
4. STAGE 2 - WORK TO BE PERFORMED DURING THIS STAGE INCLUDES THE PROPOSED CONSTRUCTION WORK ALONG THE RIGHT SIDE OF THE CENTERLINE PLUS 3 FEET OF THE MODIFIED SOIL LAYER ON THE LEFT SIDE. DURING THIS STAGE, MAIN STREET WILL BE CLOSED TO THROUGH TRAFFIC. TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE GENERAL TRAFFIC CONTROL PLAN, THE TRAFFIC DETOUR PLAN AND THE STAGE 2 TRAFFIC CONTROL PLAN. MAIN STREET WILL BE OPEN TO LOCAL TRAFFIC AS SHOWN ON THE STAGE 2 TRAFFIC CONTROL PLAN.
5. STAGE 3 - WORK TO BE PERFORMED DURING THIS STAGE INCLUDES THE PROPOSED CONSTRUCTION WORK ALONG THE LEFT SIDE OF THE CENTERLINE. DURING THIS STAGE, MAIN STREET WILL BE CLOSED TO THROUGH TRAFFIC. TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE GENERAL TRAFFIC CONTROL PLAN, THE TRAFFIC DETOUR PLAN AND THE STAGE 3 TRAFFIC CONTROL PLAN. MAIN STREET WILL BE OPEN TO LOCAL TRAFFIC AS SHOWN ON THE STAGE 3 TRAFFIC CONTROL PLAN.
6. STAGE 4 - UPON COMPLETION OF STAGE 3, MAIN STREET SHALL BE REOPENED TO THROUGH TRAFFIC. WORK TO BE PERFORMED DURING THIS STAGE INCLUDES DRIVEWAY PAVEMENT ON THE LEFT SIDE AND ALL REMAINING CONSTRUCTION WORK, FINAL GRADING, SEEDING, ETC. ONE TRAFFIC LANE WILL BE ALLOWED TO BE CLOSED DURING DAY TIME HOURS AS NEEDED TO CONSTRUCT THE IMPROVEMENTS. TRAFFIC CONTROL SHALL BE PROVIDED IN ACCORDANCE WITH THE GENERAL TRAFFIC CONTROL PLAN AND APPLICABLE HIGHWAY STANDARDS.
7. FOR SIDEWALK REMOVAL AND REPLACEMENT, TRAFFIC CONTROL FOR SIDEWALK CLOSURES SHALL BE PROVIDED PER HIGHWAY STANDARD 701801.
8. WHERE A HIGHWAY STANDARD REQUIRES A "ROAD CONSTRUCTION AHEAD" SIGN, THIS REQUIREMENT WILL BE CONSIDERED FULFILLED BY THE SIGNS REQUIRED ON THE GENERAL TRAFFIC CONTROL PLAN.
9. ALL HAZARDS WITHIN WORK ZONES SHALL BE PROTECTED WITH TYPE I BARRICADES OR DRUMS WITH FLASHING LIGHTS.
10. ALL CONSTRUCTION SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"
11. IF THE CONTRACTOR WISHES TO DEVIATE FROM THIS TRAFFIC CONTROL PLAN, HE SHALL PROVIDE A REVISED TRAFFIC CONTROL PLAN IN WRITING FOR THE REVIEW AND APPROVAL OF THE ENGINEER.

REVISIONS

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DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
GENERAL TRAFFIC CONTROL AND DETOUR PLAN

CONTRACT NO. 97569
BRUSSELS MAIN ST TRAFFIC.CDWG
REF. BK. PG.
JOB NO. 217880.2
DSN. BY:
DWN. BY: CDP
CHK. BY:
DATE: AUGUST, 2014
SCALE: NONE
SHEET 21 OF 46



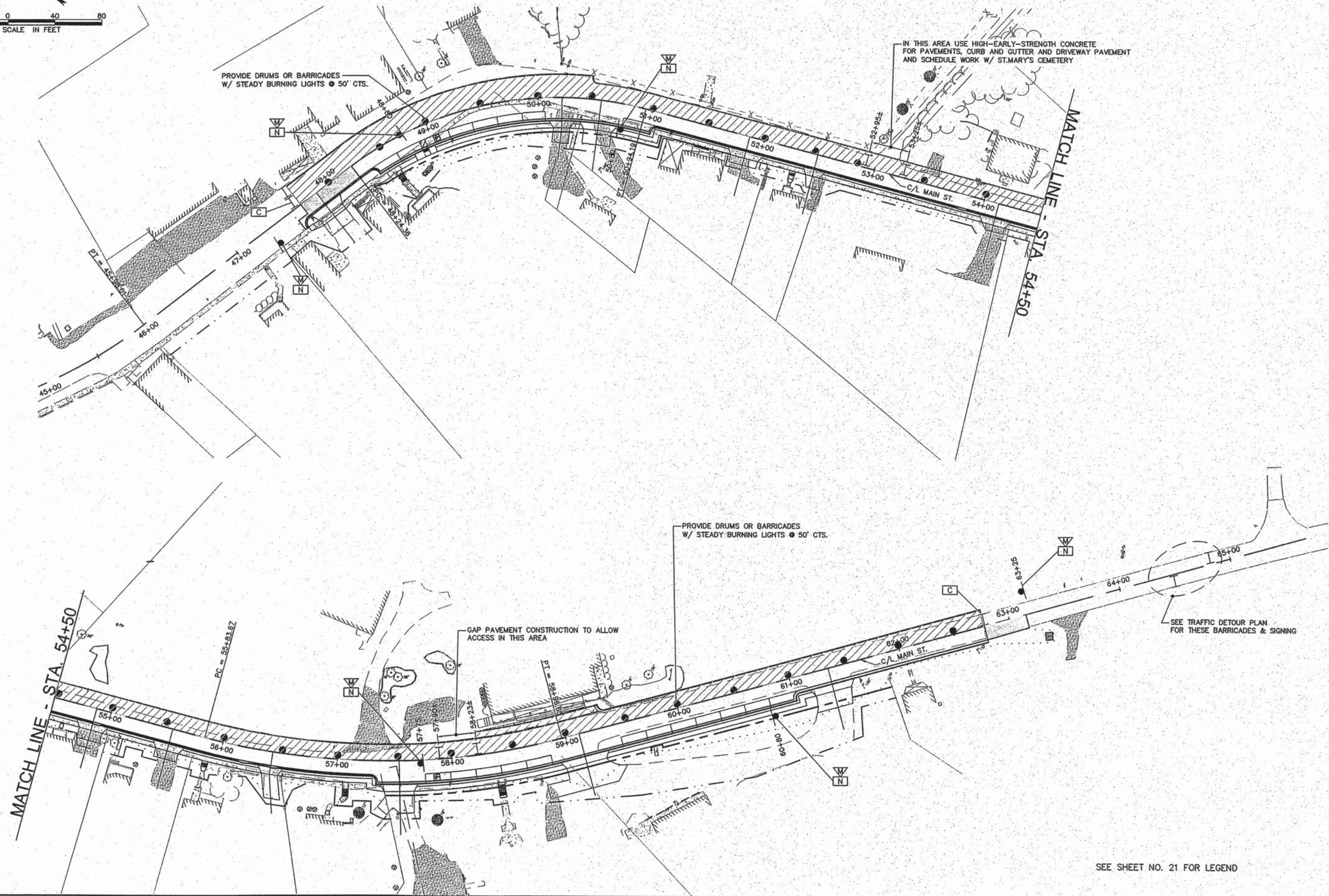
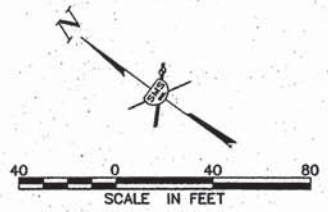
NO.	DESCRIPTION

SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Madison Street, P.O. Box E, Alton, IL 62002 618/462-9755 E-mail: sms@smsengineers.com
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 DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO. 1 EXT.) - PHASE 1
 STAGE 2 TRAFFIC CONTROL PLAN

CONTRACT NO. 97569
 REF. BK. PG.
 JOB NO. 217880.2
 DSN. BY:
 DWN. BY: CDP
 CHK. BY:
 DATE: AUGUST, 2014
 SCALE: 1"=40'
 SHEET 22 OF 46

SEE SHEET NO. 21 FOR LEGEND



NO.	DESCRIPTION

SMS ENGINEERS
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 10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618877-8100 E-mail: mail@smsengineers.com
 DESIGN FIRM # 184-000992

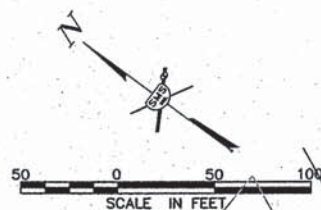
VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
 STAGE 3 TRAFFIC CONTROL PLAN

CONTRACT NO.
 97569

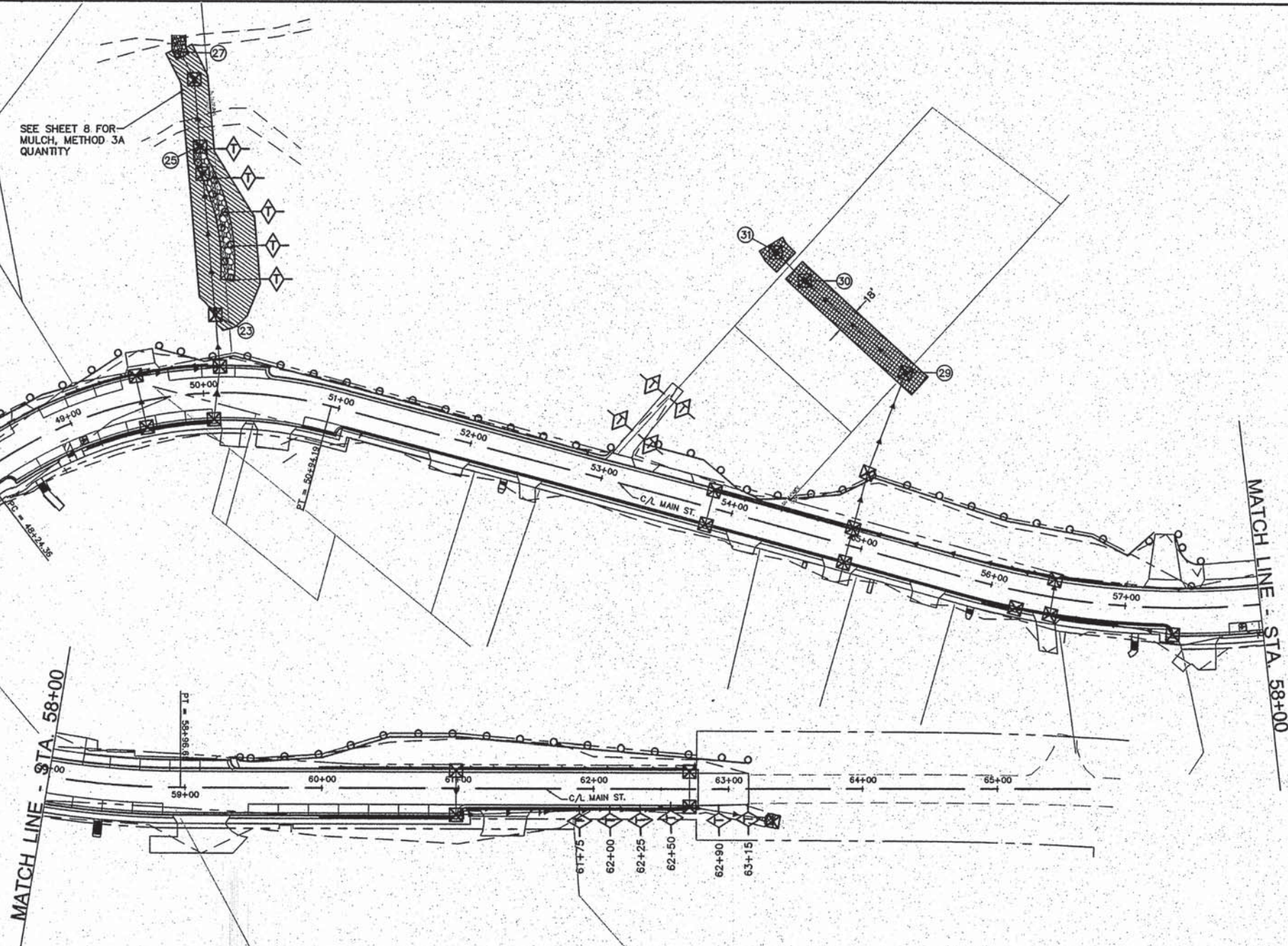
REF. BK. PG.
 JOB NO. 217880.2
 DSN. BY:
 DWN. BY: CDP
 CHK. BY:
 DATE: AUGUST, 2014

SCALE: 1"=40'
 SHEET 23 OF 46

SEE SHEET NO. 21 FOR LEGEND

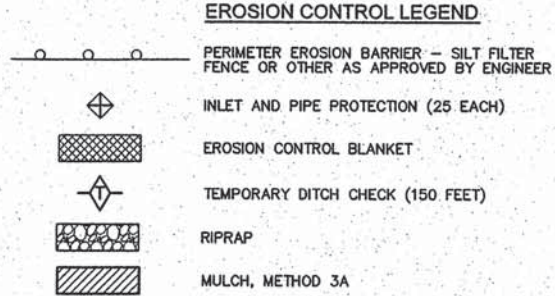


SEE SHEET 8 FOR
MULCH, METHOD 3A
QUANTITY



PERIMETER EROSION BARRIER SCHEDULE	
LOCATION	PERIMETER EROSION BARRIER (FEET)
47+60 TO 47+75 LT.	15
48+25 TO 49+50 LT.	137
49+70 TO 53+05 LT.	350
53+25 TO 57+19 LT.	381
57+35 TO 57+60 LT.	34
59+33 TO 63+15 LT.	378
②③ TO ②⑤ UP SLOPE SIDE OF RIPRAP	210
②⑦ UP SLOPE SIDE OF RIPRAP	35
TOTAL	1,560

EROSION CONTROL BLANKET SCHEDULE	
LOCATION	EROSION CONTROL BLANKET (SQ. YD.)
②⑨ TO ③①	253
③①	37
OTHER AREAS AS NEEDED & DIRECTED BY THE ENGINEER	100
TOTAL	390



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 150 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.

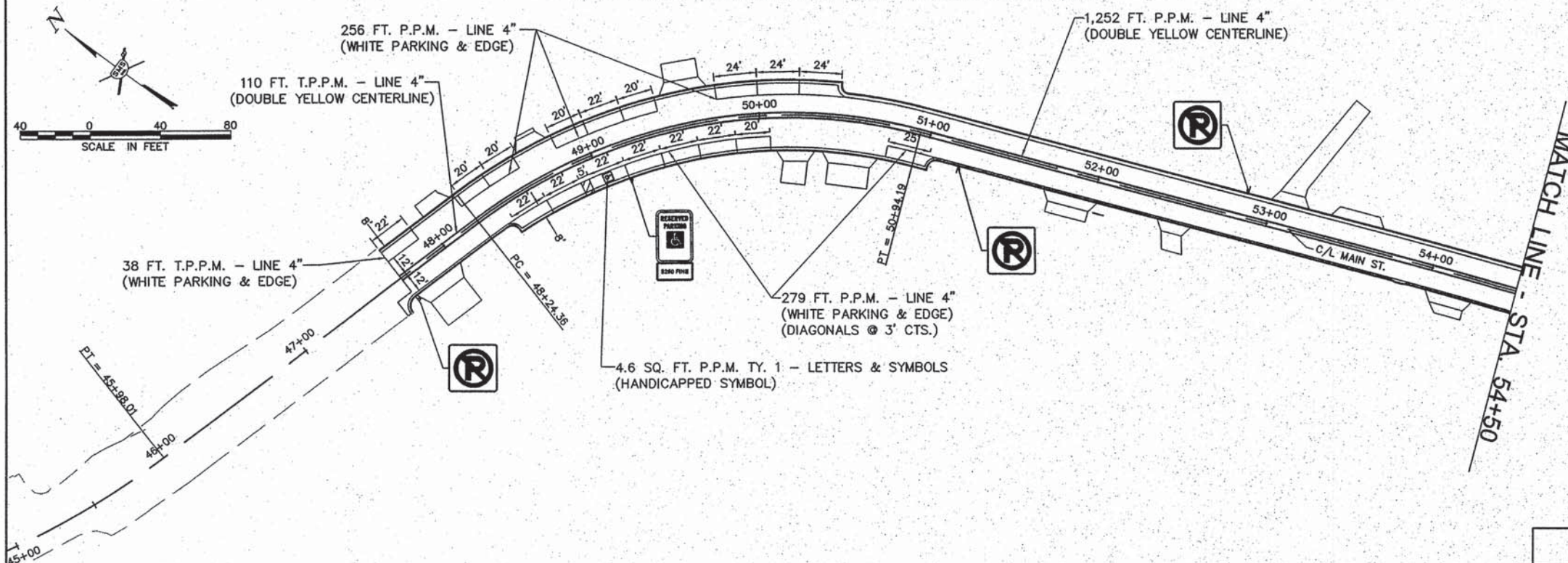
REVISIONS

SMS ENGINEERS
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DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) PHASE 1
EROSION CONTROL PLAN

CONTRACT NO. 97569
BRUSSELS MAIN ST EROSION PLAN
REF. BK. PG. JOB NO. 217880.2
DSN. BY:
DWN. BY: CDP
CHK. BY:
DATE: AUGUST, 2014
SCALE: 1"=50'
SHEET 24 OF 46

NOTE: PARKING SPACE DIMENSIONS ARE MEASURED AT EDGE OF PAVEMENT.

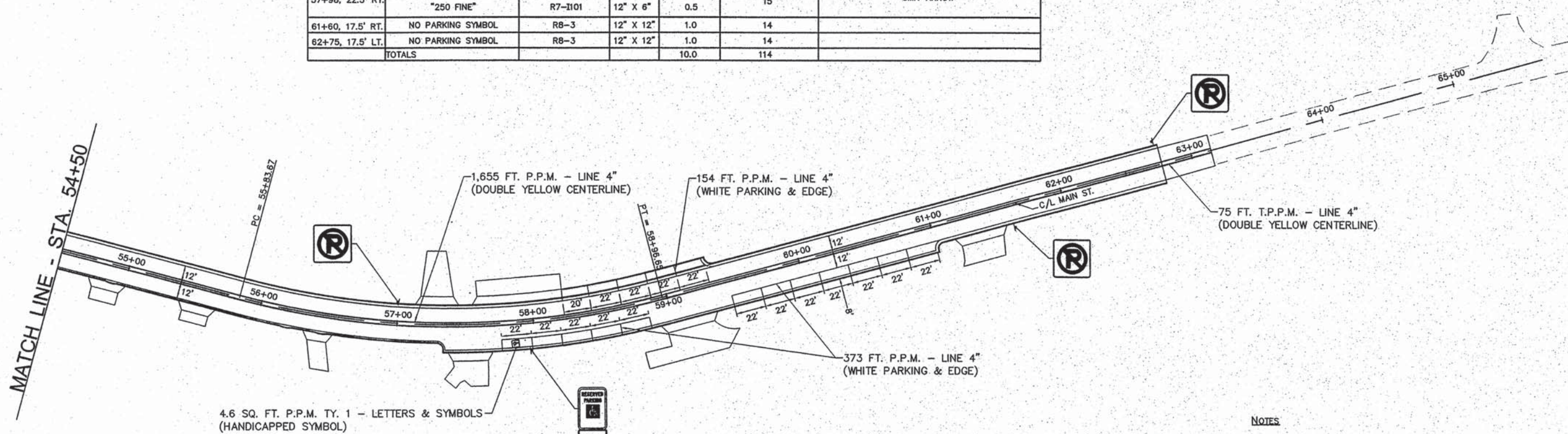


SIGNING SCHEDULE

LOCATION STATION	LEGEND OR TYPE	MUTCD SIGN DESIGNATION	SIZE	SIGN PANEL - TYPE 1 (SQ. FT.)	TELESCOPING STEEL SIGN SUPPORT (FT.)	REMARKS
47+69, 16' RT.	NO PARKING SYMBOL	R8-3	12" X 12"	1.0	14	
49+17, 22.5' RT.	ACCESSIBLE PARKING SIGN "250 FINE"	R7-8 R7-1101	12" X 18" 12" X 6"	1.5 0.5	15	OMIT ARROW
51+15, 15' LT.	NO PARKING SYMBOL	R8-3	12" X 12"	1.0	14	
52+90, 17' LT.	NO PARKING SYMBOL	R8-3	12" X 12"	1.0	14	
57+00, 17' LT.	NO PARKING SYMBOL	R8-3	12" X 12"	1.0	14	
57+98, 22.5' RT.	ACCESSIBLE PARKING SIGN "250 FINE"	R7-8 R7-1101	12" X 18" 12" X 6"	1.5 0.5	15	OMIT ARROW
61+60, 17.5' RT.	NO PARKING SYMBOL	R8-3	12" X 12"	1.0	14	
62+75, 17.5' LT.	NO PARKING SYMBOL	R8-3	12" X 12"	1.0	14	
TOTALS				10.0	114	

PAVEMENT MARKING SCHEDULE

ITEM	QUANTITY	UNIT
POLYUREA PAVEMENT MARKING - LINE 4" (WHITE PARKING AND EDGE LINE)	1,062	FOOT
POLYUREA PAVEMENT MARKING - LINE 4" (SOLID DOUBLE YELLOW)	2,907	FOOT
TOTAL 4"	3,969	FOOT
POLYUREA PAVEMENT MARKING TYPE 1 - LETTERS AND SYMBOLS (WHITE)	9	SQFT
THERMOPLASTIC PAVEMENT MARKING - LINE 4" (SOLID DOUBLE YELLOW)	185	FOOT
THERMOPLASTIC PAVEMENT MARKING - LINE 4" (WHITE PARKING AND EDGE LINE)	38	FOOT
TOTAL 4"	223	FOOT



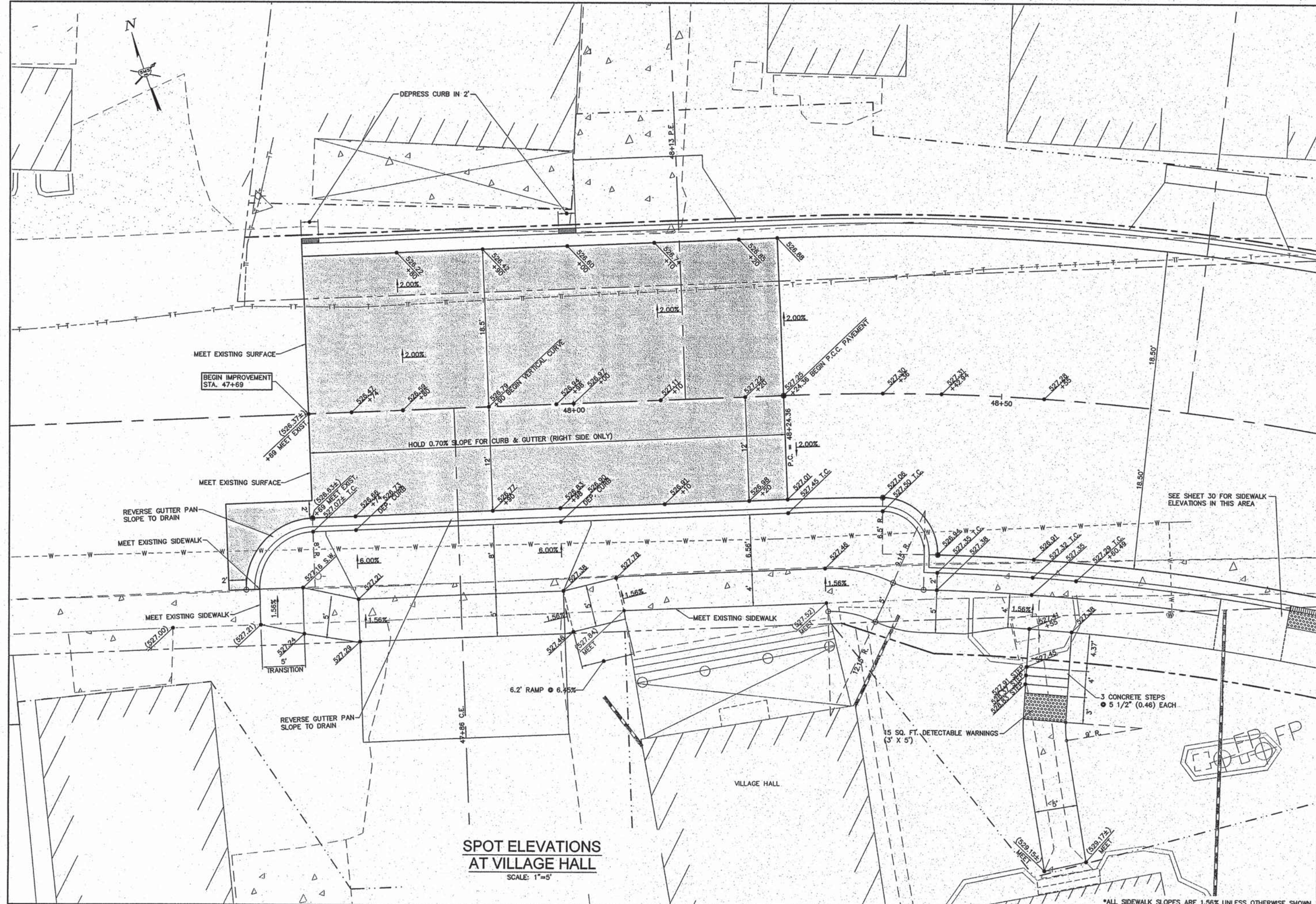
NOTES
 1. THERMOPLASTIC PAVEMENT MARKING IS ABBREVIATED AS T.P.P.M.
 2. POLYUREA PAVEMENT MARKING IS ABBREVIATED AS P.P.M.

REVISIONS

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 DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
 SECTION 09-00001-01-PV
 MAIN STREET (CO. HWY. NO. 1 EXT.) PHASE 1
 PAVEMENT MARKING & SIGNING PLAN

CONTRACT NO. 97569
 BRUSSELS MAIN ST PAVEMENT MARKING
 REF. BK. PG.
 JOB NO. 217880.2
 DSN. BY:
 DWN. BY: CDP
 CHK. BY:
 DATE: AUGUST, 2014
 SCALE: 1"=40'
 SHEET 25 OF 46



**SPOT ELEVATIONS
AT VILLAGE HALL**
SCALE: 1"=5'

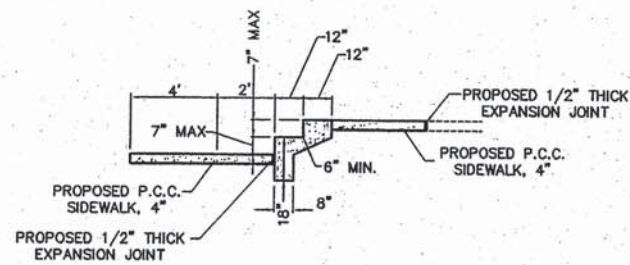
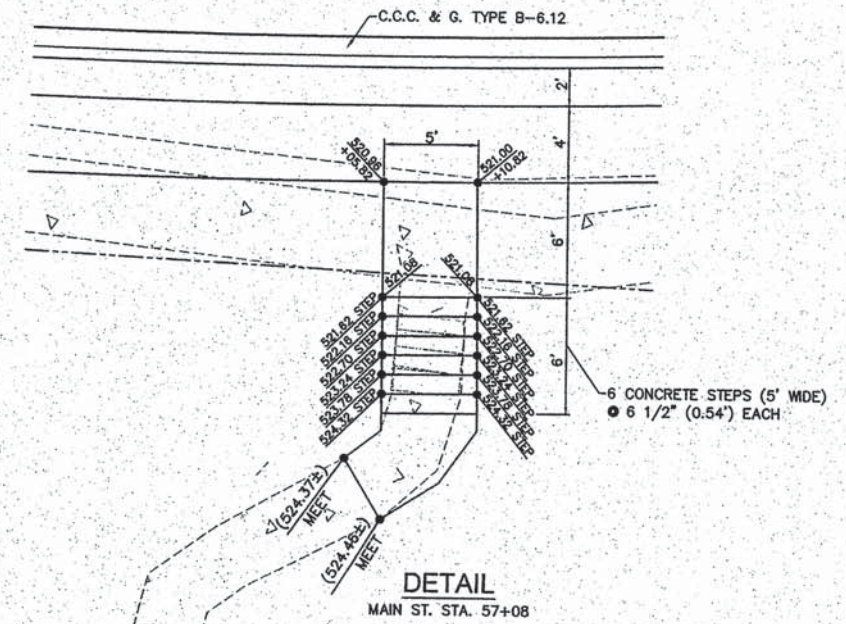
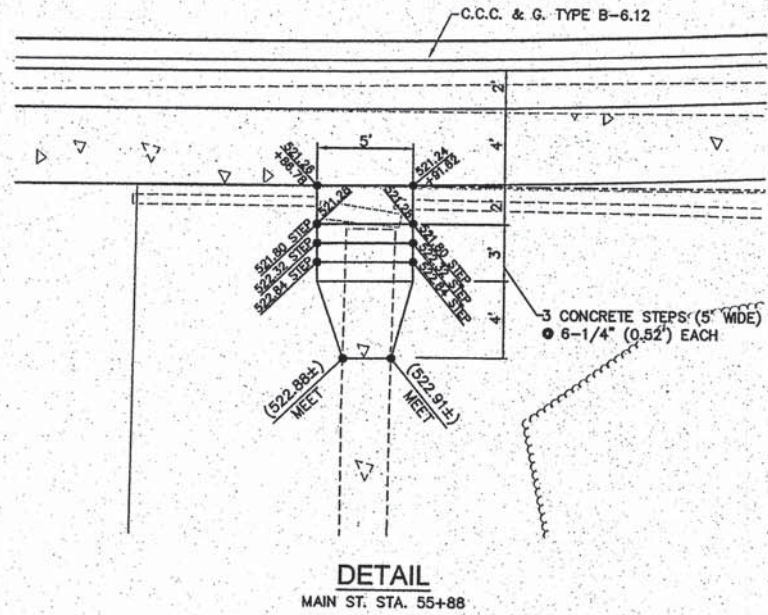
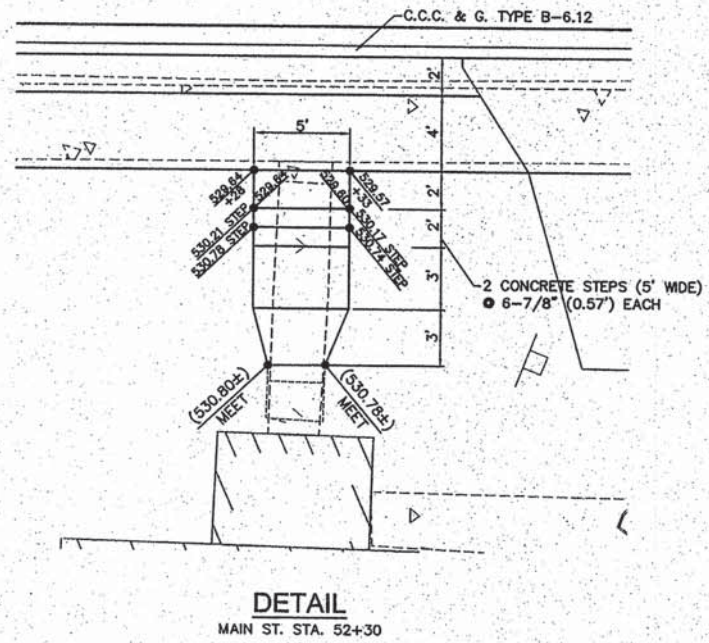
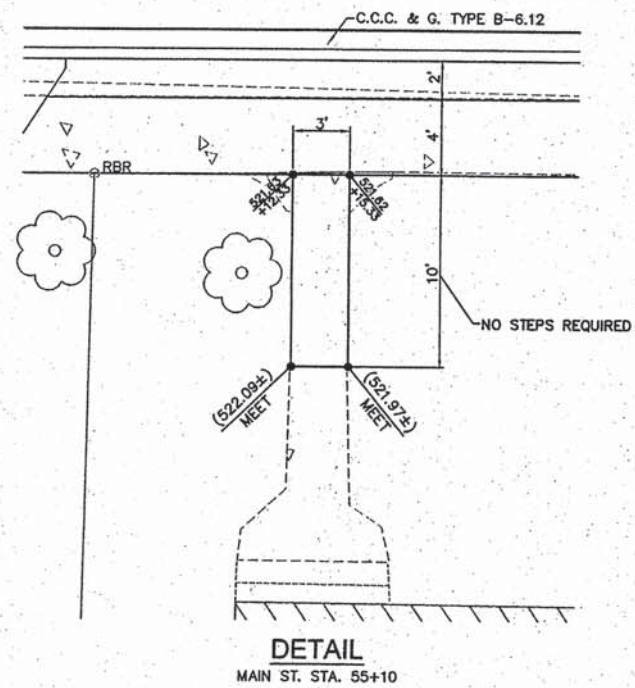
NO.	DESCRIPTION

SMS Sheppard, Morgan & Schwaab, Inc.
ENGINEERS
CONSULTING ENGINEERS AND LAND SURVEYORS
115 Market Street, P.O. Box E, Alton, IL 62002 618/462-9755 Email: ms@smssm.com
10 Central Inland Drive, Suite 3, Graysville, TN 37067 615/777-4700 Email: ms@smssm.com
DESIGN FIRM # 184-000992

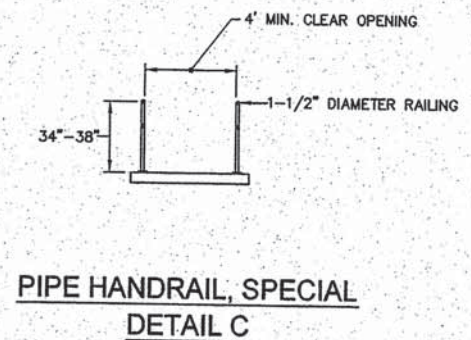
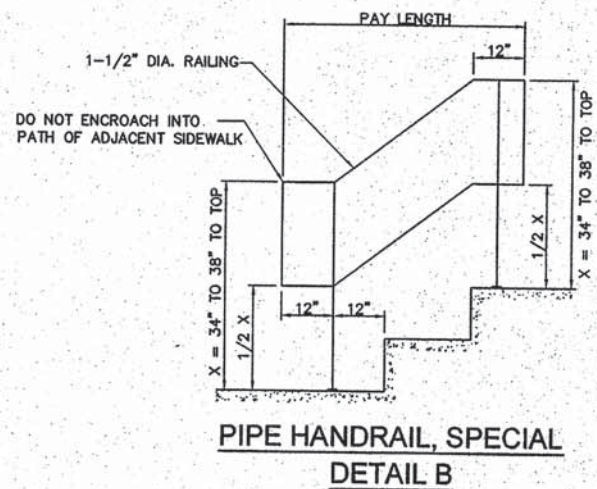
VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO. 1 EXT.) - PHASE 1
CONSTRUCTION DETAILS

CONTRACT NO. 97569	
ALT 2 BRUSSELS DETAILS 2.DWG	
REF. BK.	PG.
JOB NO. 217880.2	
DSN. BY: DEG	
DWN. BY: CDP	
CHK. BY: DEG	
DATE: AUGUST, 2014	
SCALE: 1" = 5'	
SHEET 28 OF 46	

*ALL SIDEWALK SLOPES ARE 1.56% UNLESS OTHERWISE SHOWN.



- NOTES:**
1. USE AS MANY STAIR TREADS AS NEEDED TO MATCH EXISTING CONDITIONS.
 2. ALL RISERS MUST BE THE SAME HEIGHT.
 3. SIDEWALKS SHALL BE CONSTRUCTED ON A GRADE OF 5% OR LESS TO AVOID THE USE OF STEPS WHERE POSSIBLE.
 4. LOCATIONS WITH ONLY ONE STEP MAY BE POURED MONOLITHIC WITH UPPER SIDEWALK.

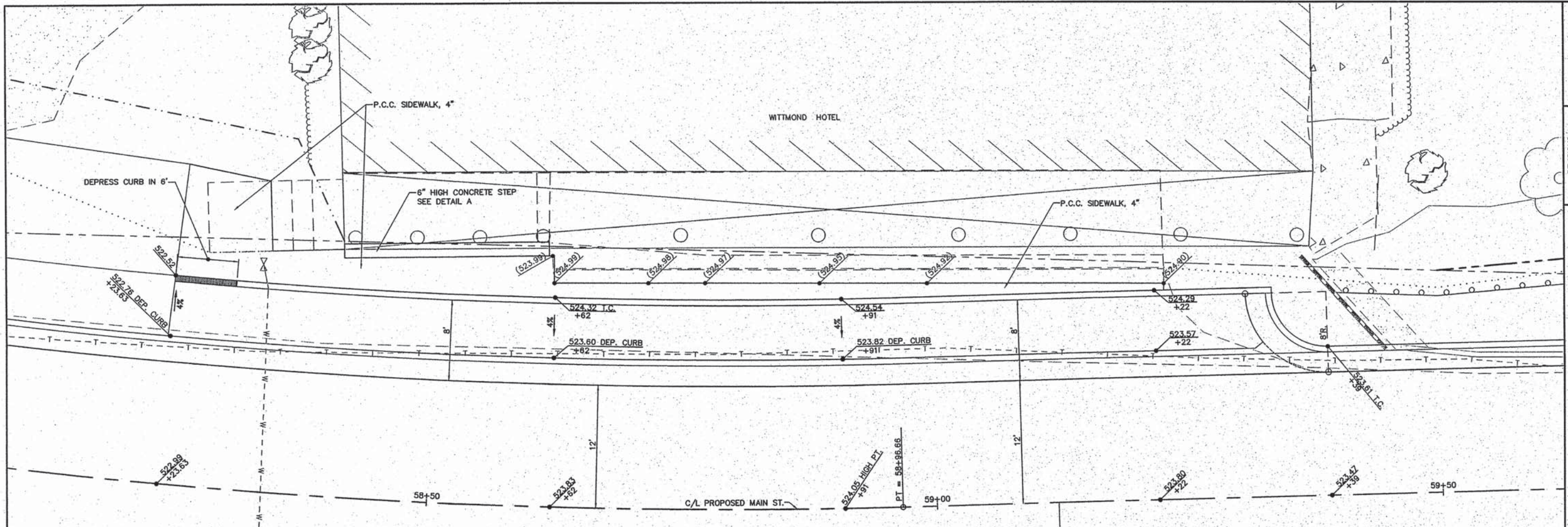


NO.	REVISIONS

SMS ENGINEERS
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CONSULTING ENGINEERS AND LAND SURVEYORS
216 Market Street, P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mail@smsengineers.com
10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618877-9700 E-mail: mail@smsengineers.com
DESIGN FIRM # 194-000992

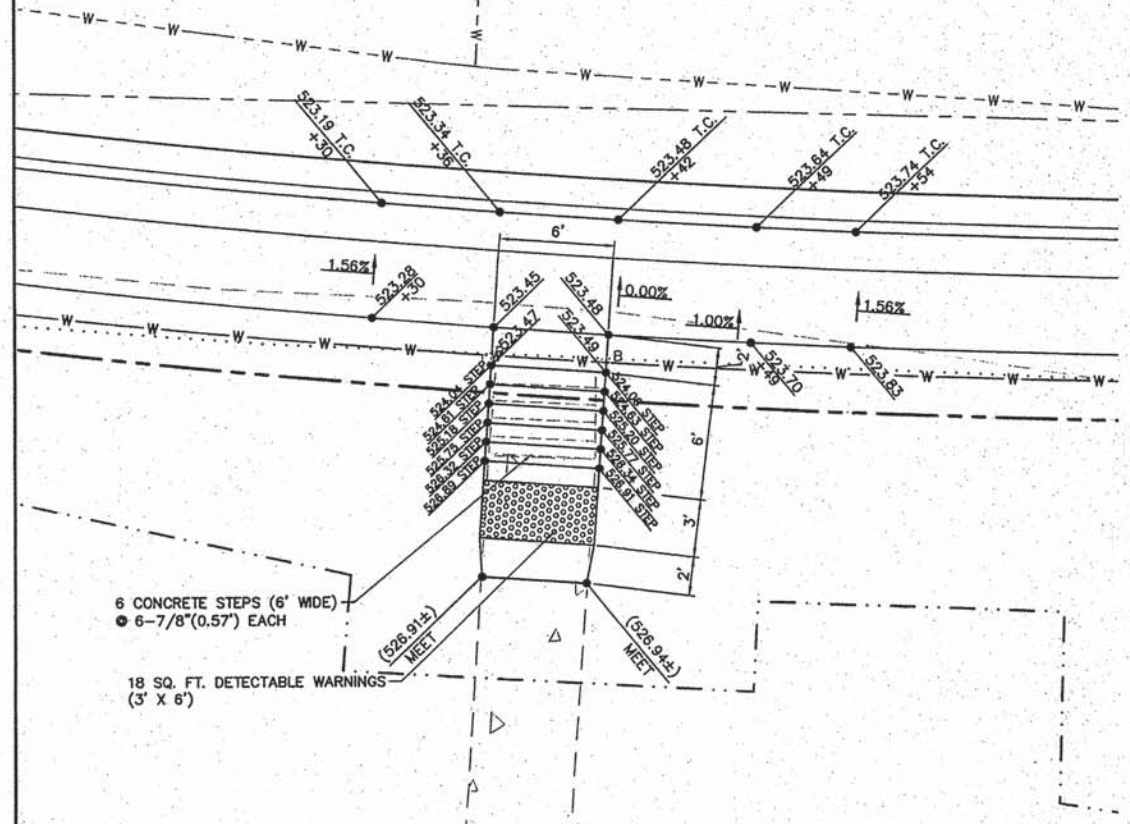
VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
CONSTRUCTION DETAILS

CONTRACT NO.	97569
DWG. NO.	BR MAIN CONST DETAILS 4.DWG
REF. BK.	PG.
JOB NO.	
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	AUGUST, 2014
SCALE:	VARIES
SHEET	29 OF 46



**SPECIAL SIDEWALK ELEVATIONS
AT WITTMOND HOTEL**

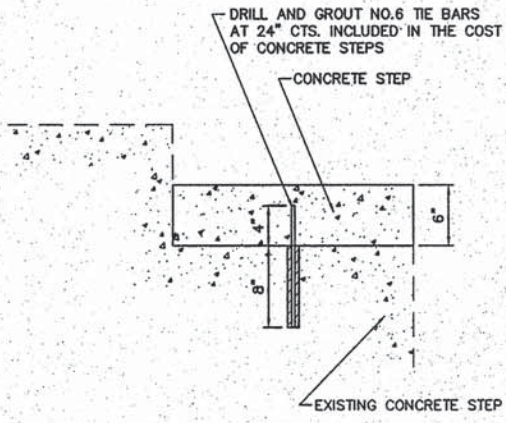
SCALE: 1"=5'



**SPECIAL SIDEWALK ELEVATIONS
AT VILLAGE HALL**

SCALE: 1"=5'

DETAIL A
SCALE: N.T.S.



NO.	DESCRIPTION

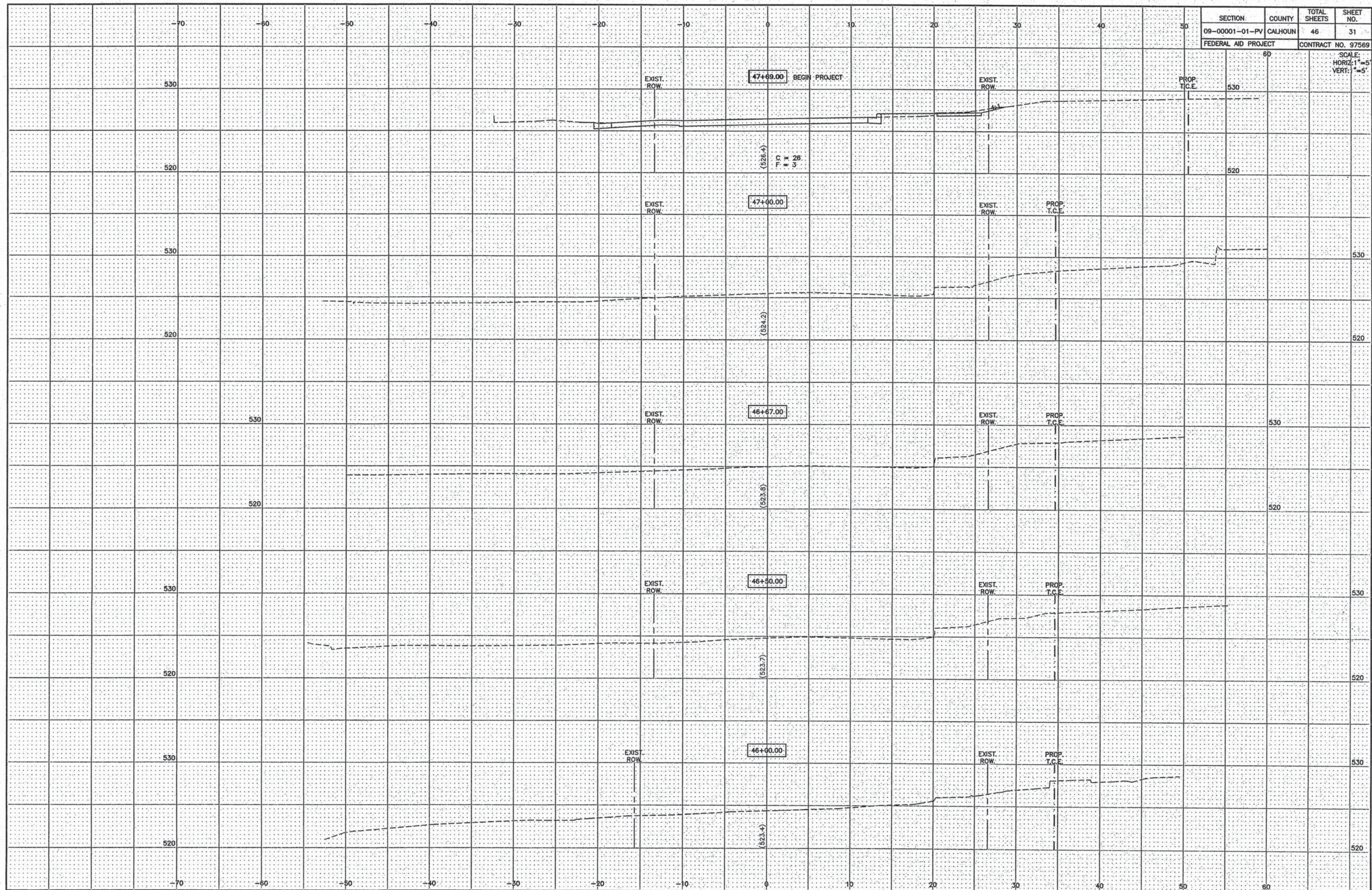
SMS ENGINEERS
Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Abing, IL 62002 618-662-9755 E-mail: mail@smsengineers.com
10 Central Industrial Drive, Suite 3, Granite City, IL 62040 618-977-7100 E-mail: mail@smsengineers.com
DESIGN FIRM # 184-000992

VILLAGE OF BRUSSELS, ILLINOIS
SECTION 09-00001-01-PV
MAIN STREET (CO. HWY. NO.1 EXT.) - PHASE 1
CONSTRUCTION DETAILS

CONTRACT NO.	97569
DWG. NO.	BR MAIN CONST DETAILS.DWG
REF. BK.	PG.
JOB NO.	
DSN. BY:	DEC
DWN. BY:	CUP
CHK. BY:	DEC
DATE:	AUGUST, 2014
SCALE:	VARIES
SHEET	30 OF 46

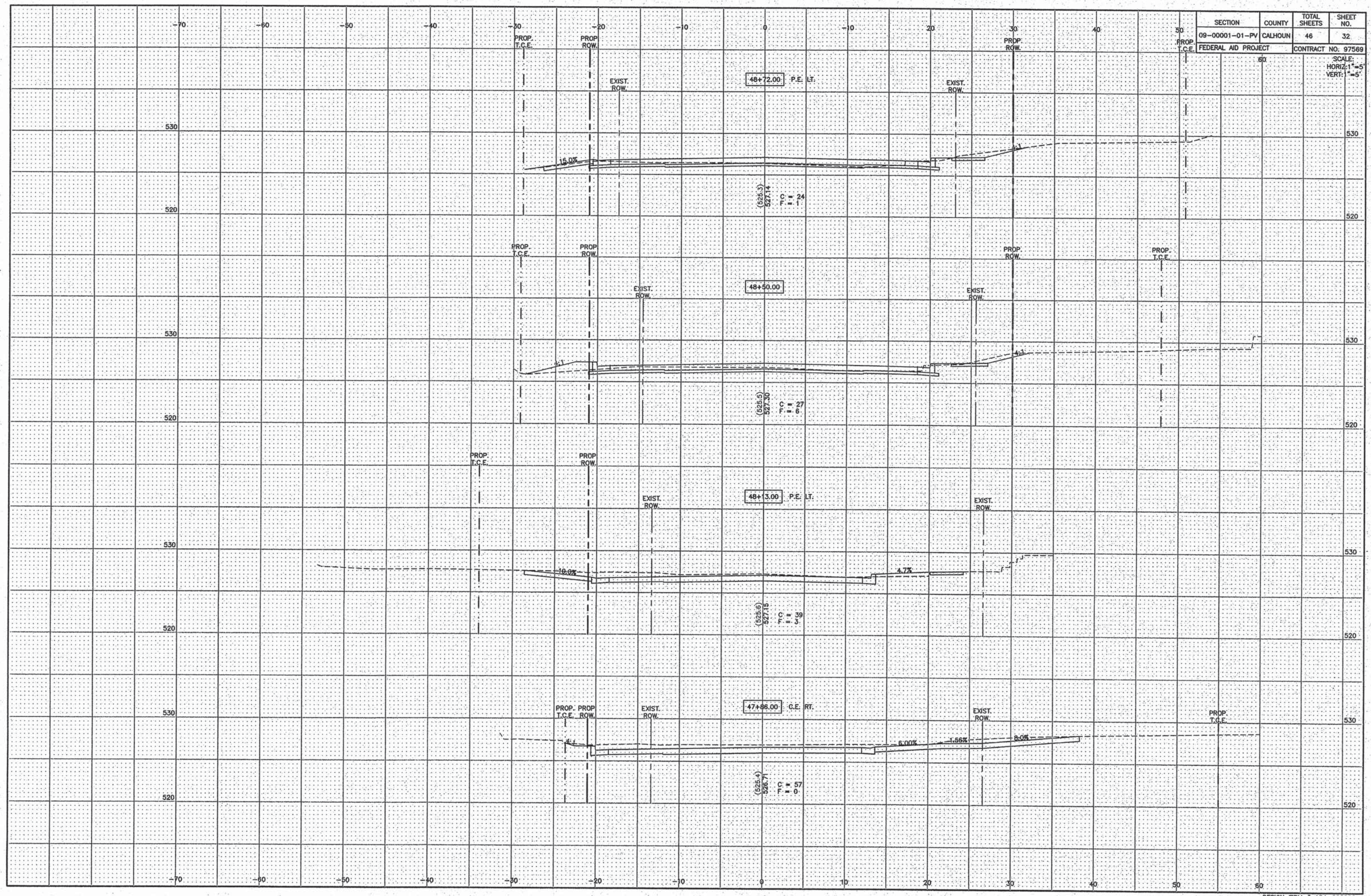
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	31
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



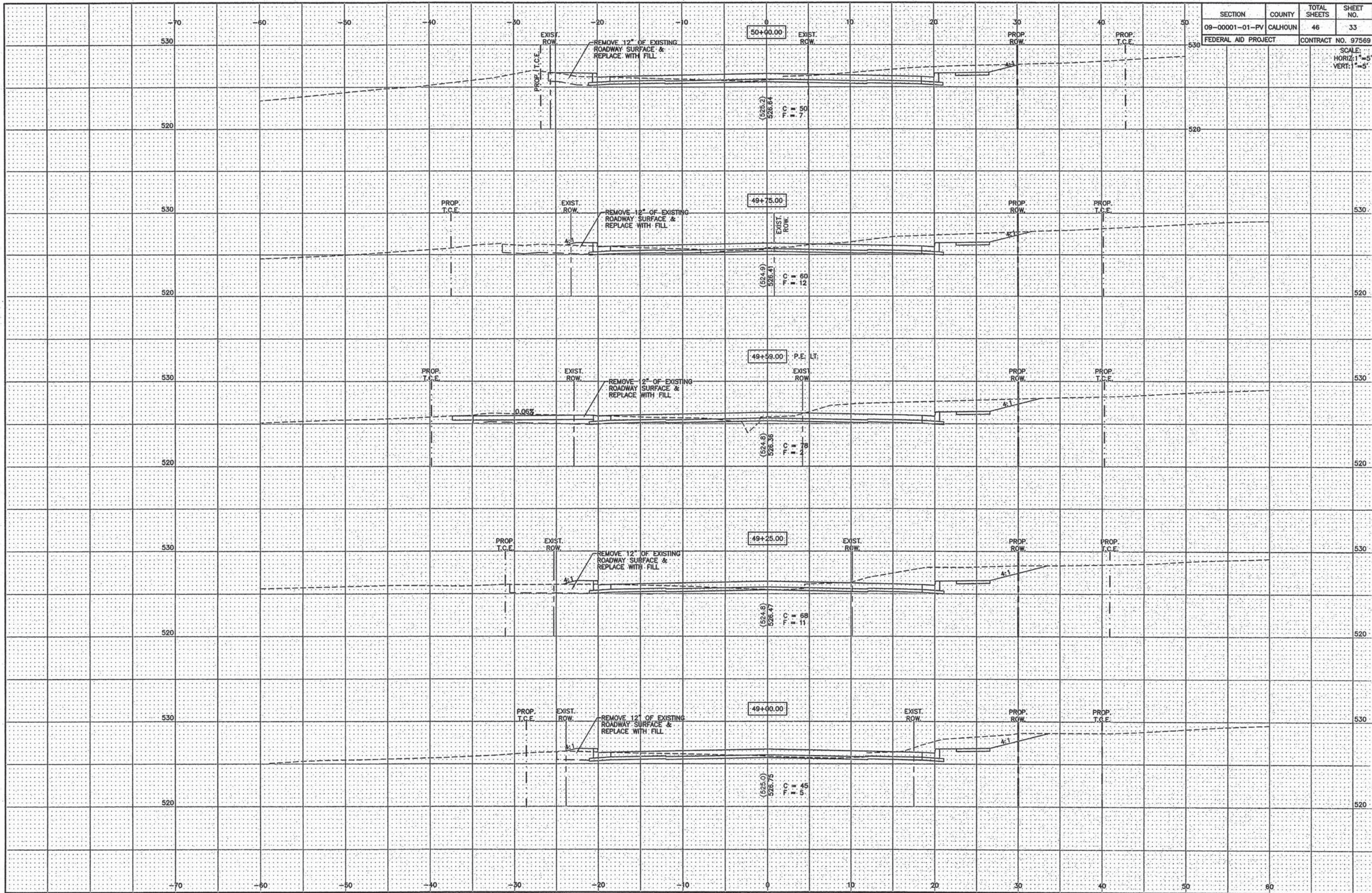
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00001-01-PV	CALHOUN	46	32
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



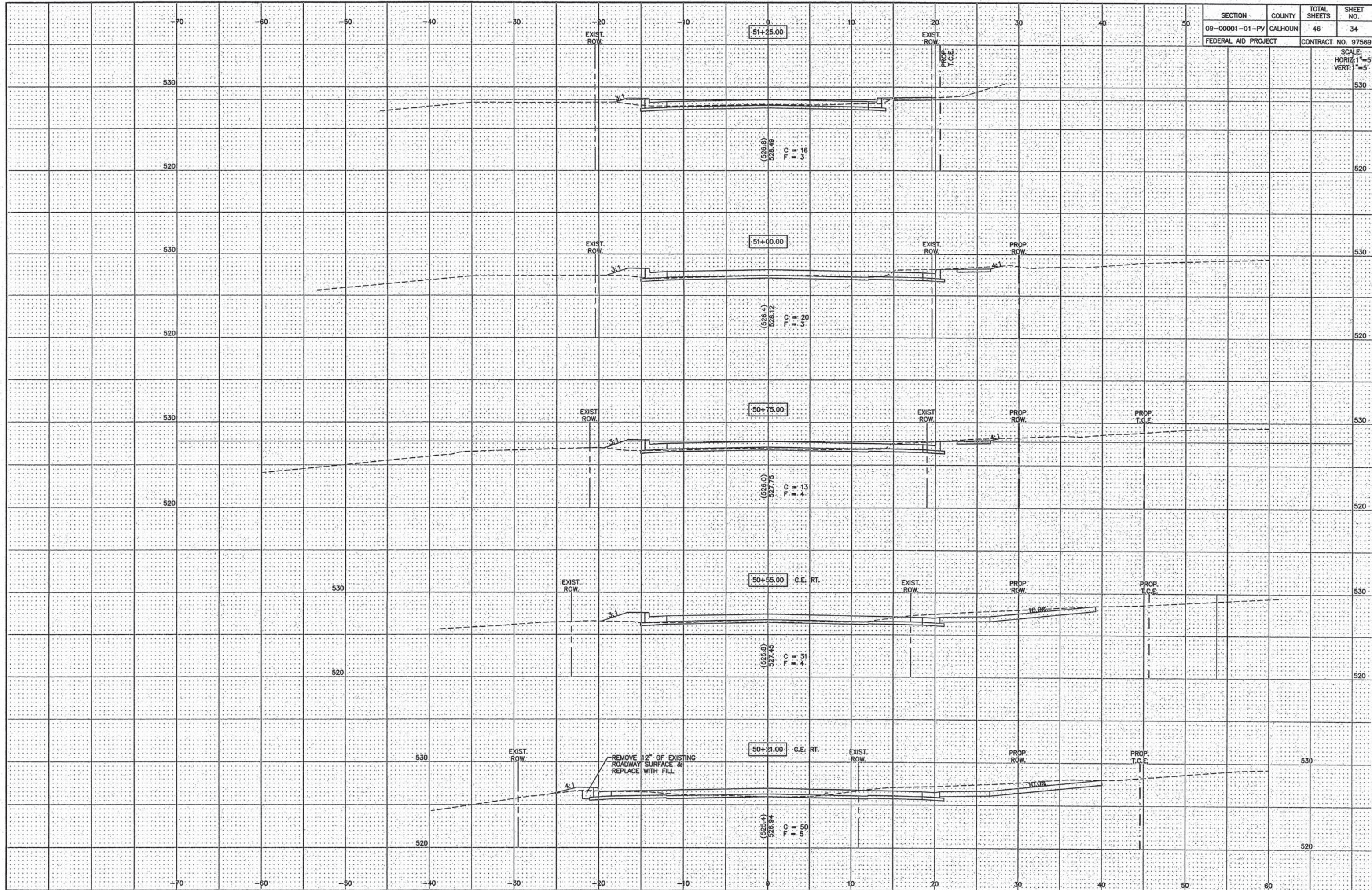
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	33
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



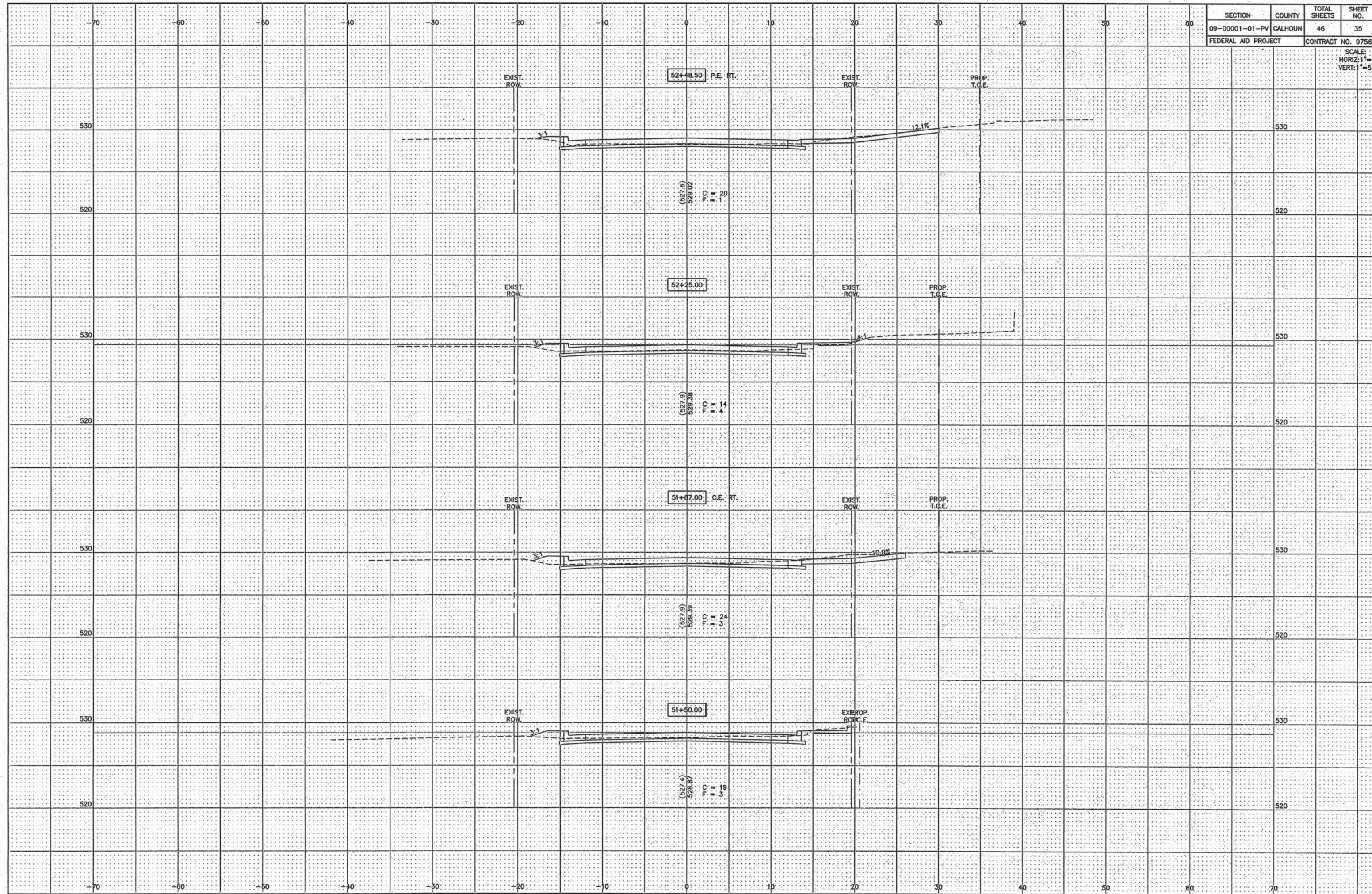
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00001-01-PV	CALHOUN	46	34
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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

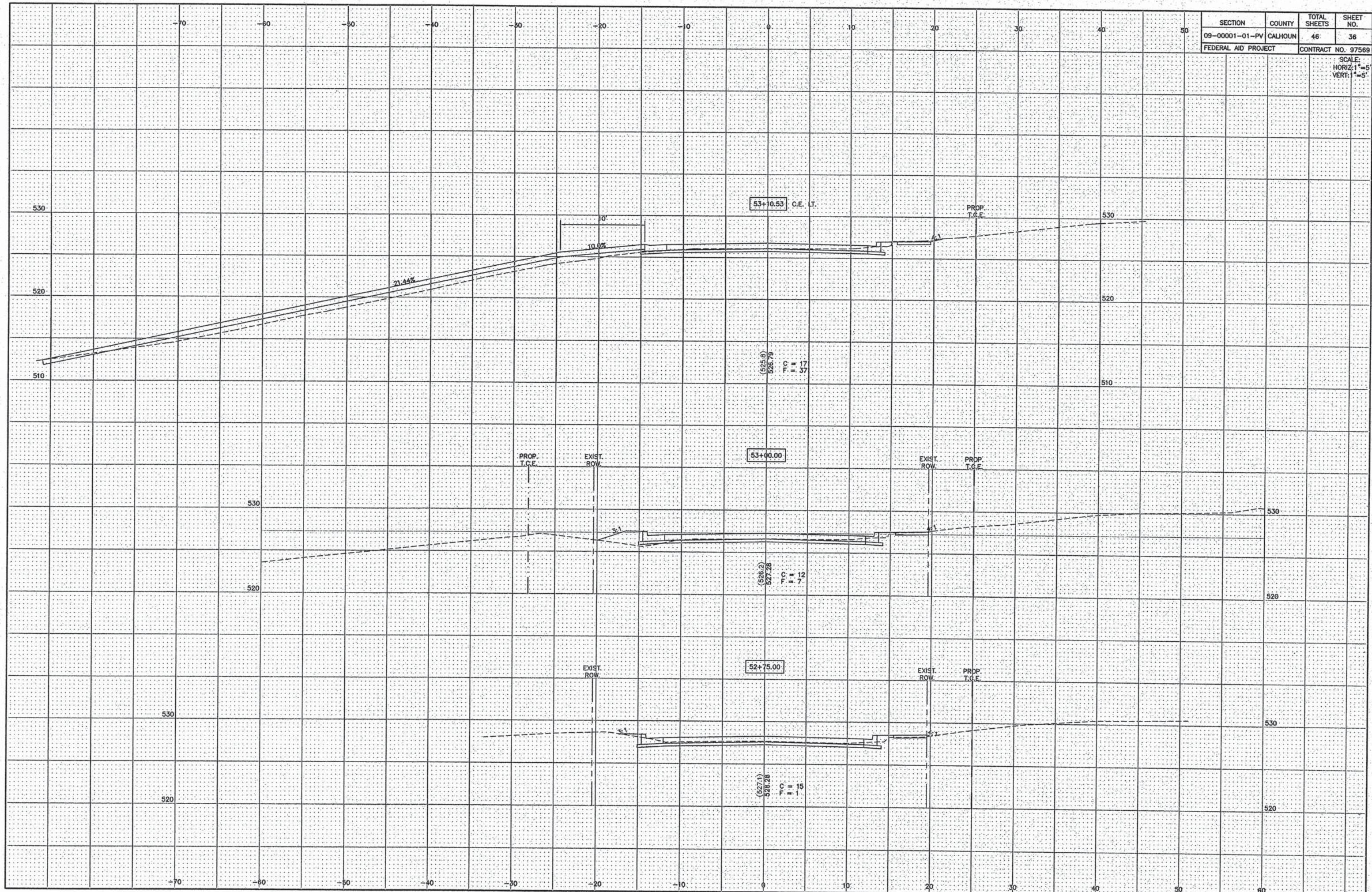


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00001-01-PV	CALHOUN	46	35
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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

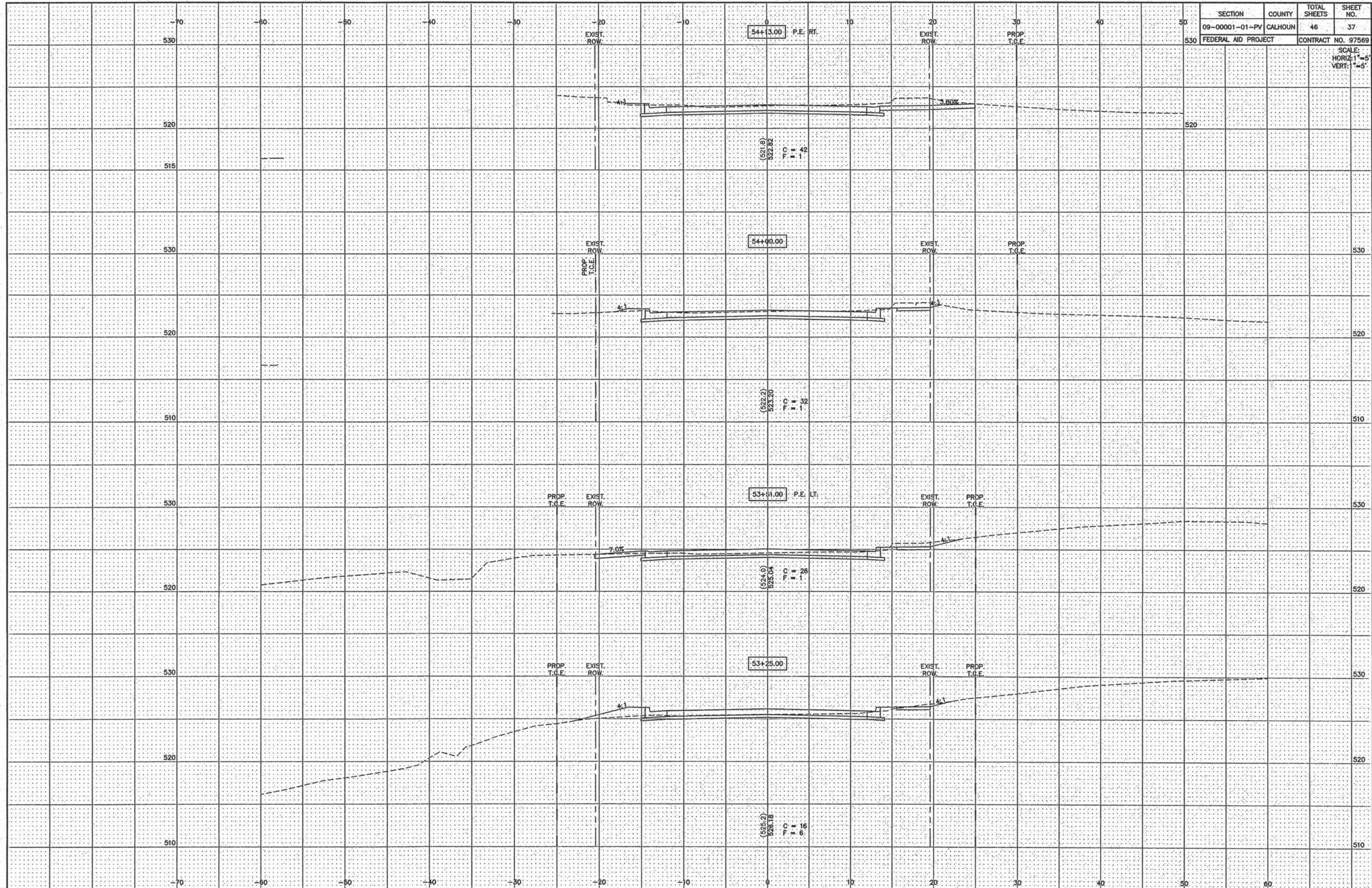


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00001-01-PV	CALHOUN	46	36
FEDERAL AID PROJECT		CONTRACT NO. 97569	
SCALE: HORIZ: 1"=5' VERT: 1"=5'			



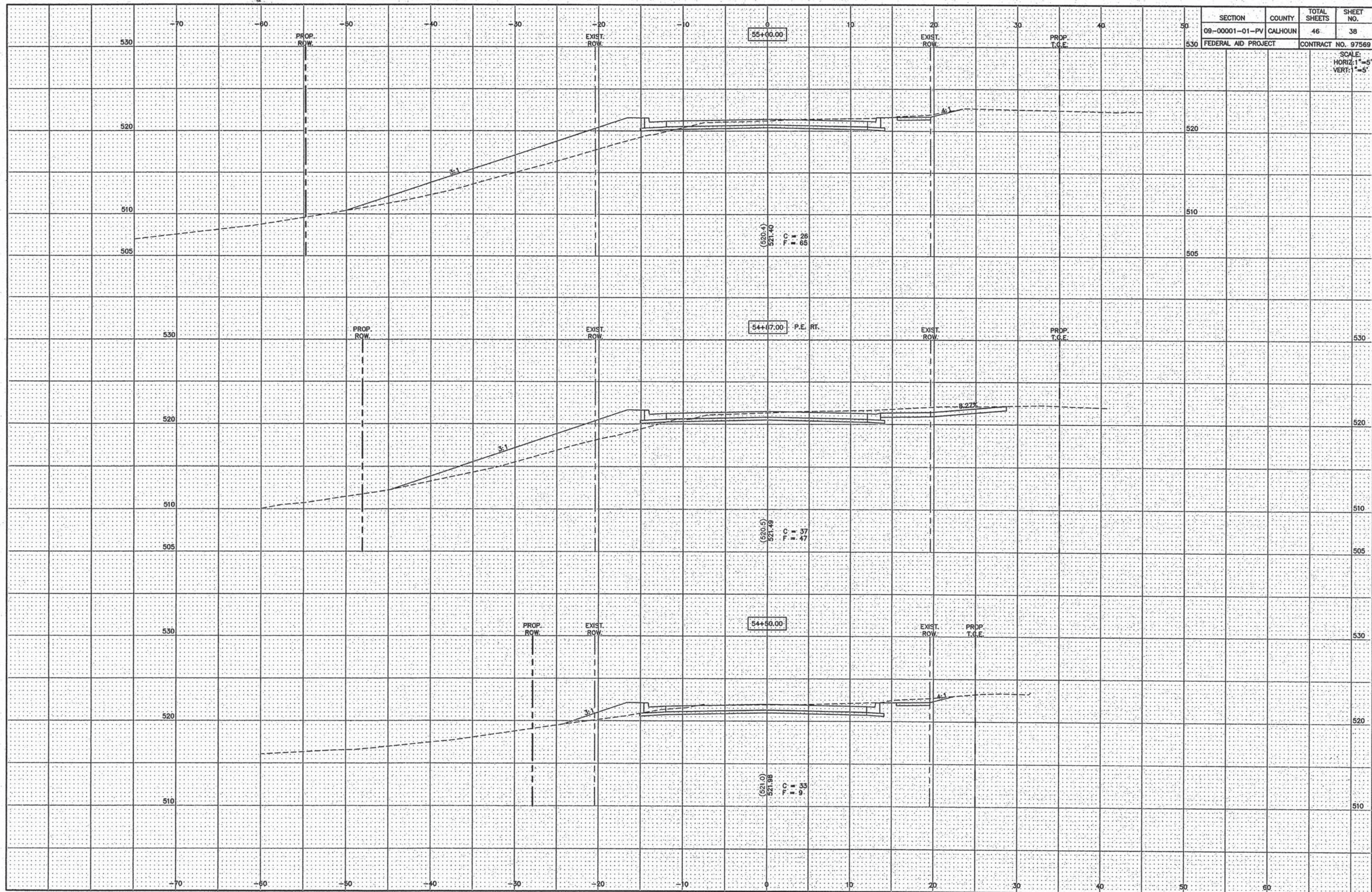
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	37
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



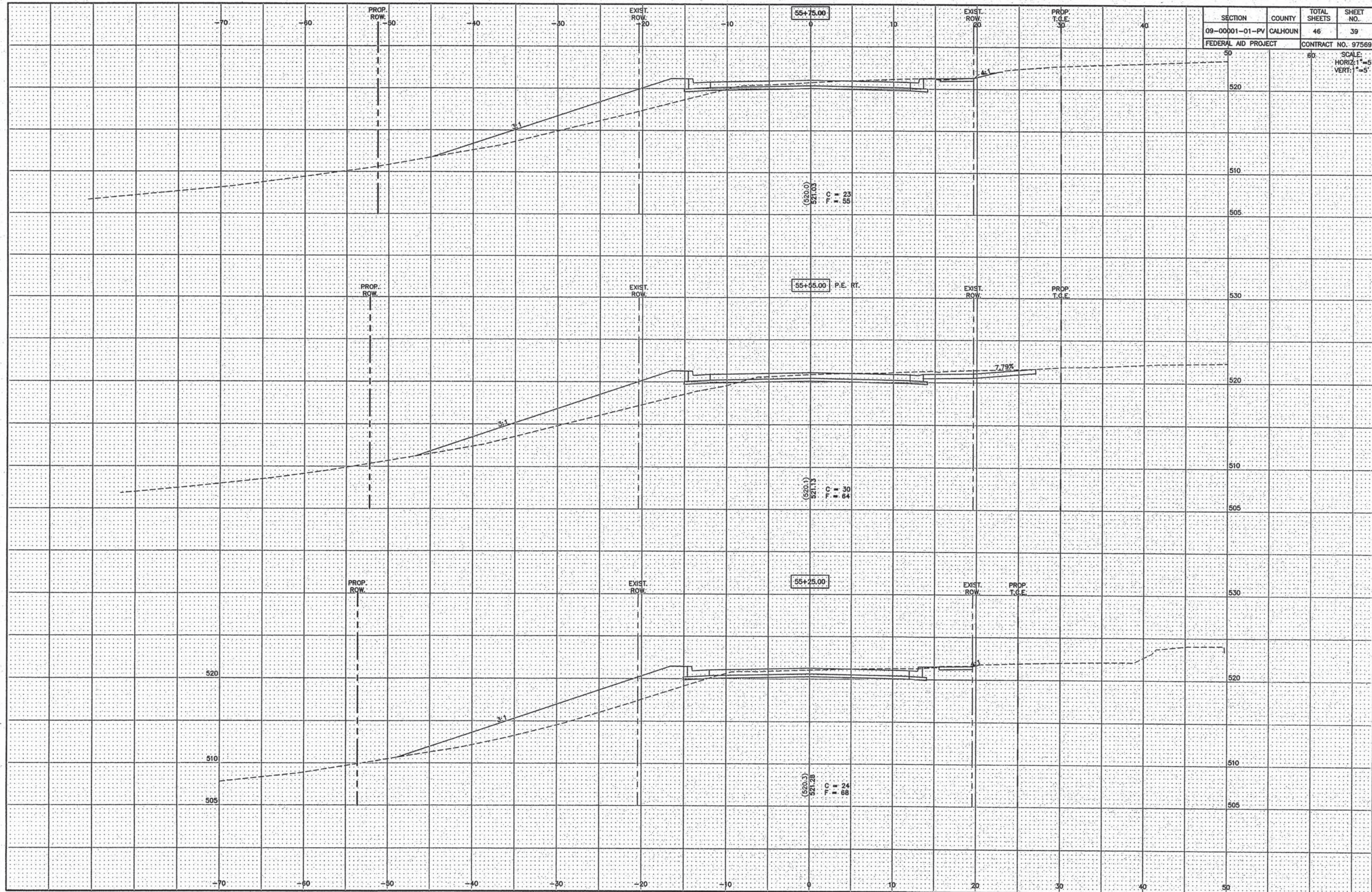
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00001-01-PV	CALHOUN	46	38
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



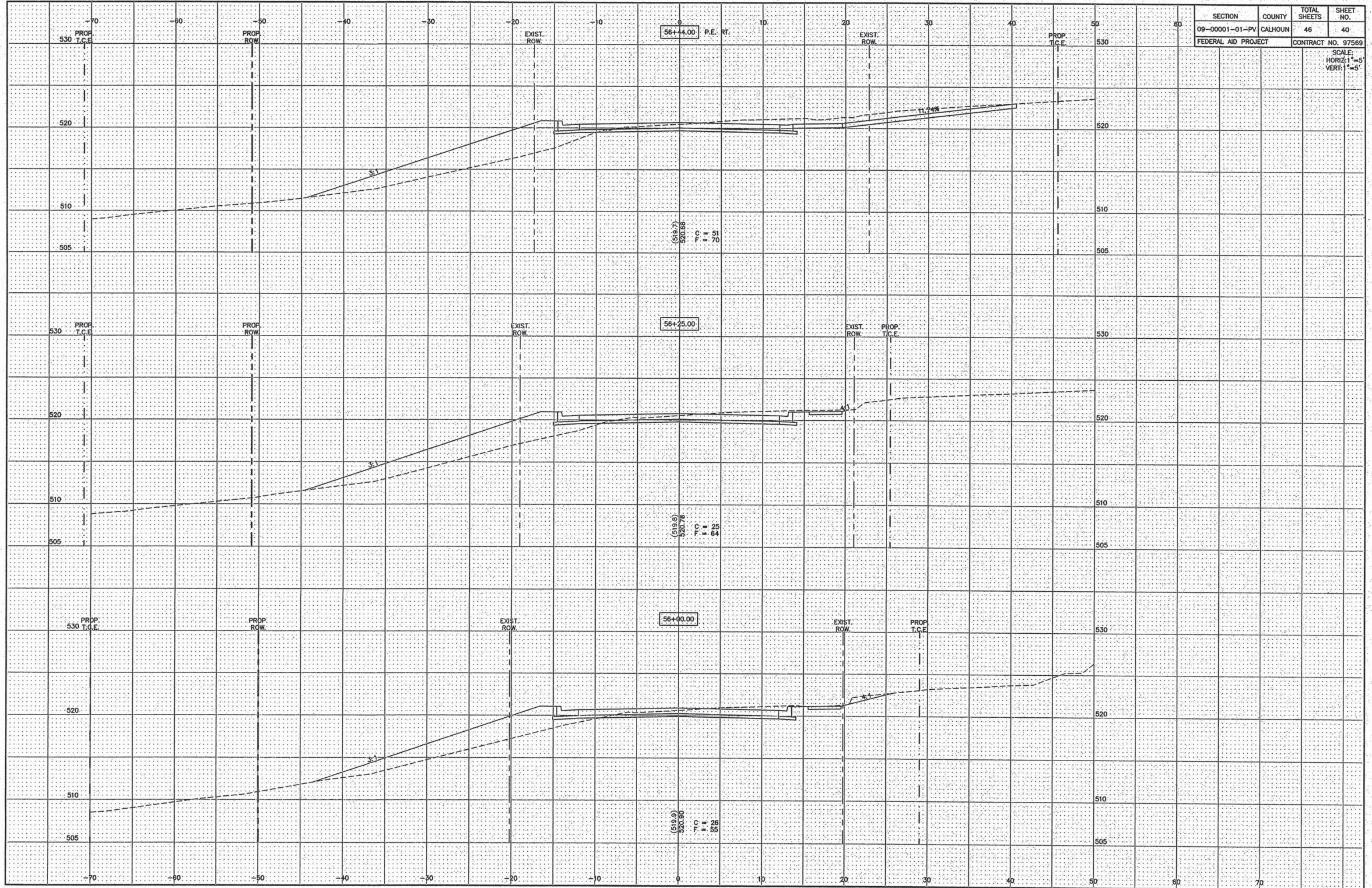
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	39
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



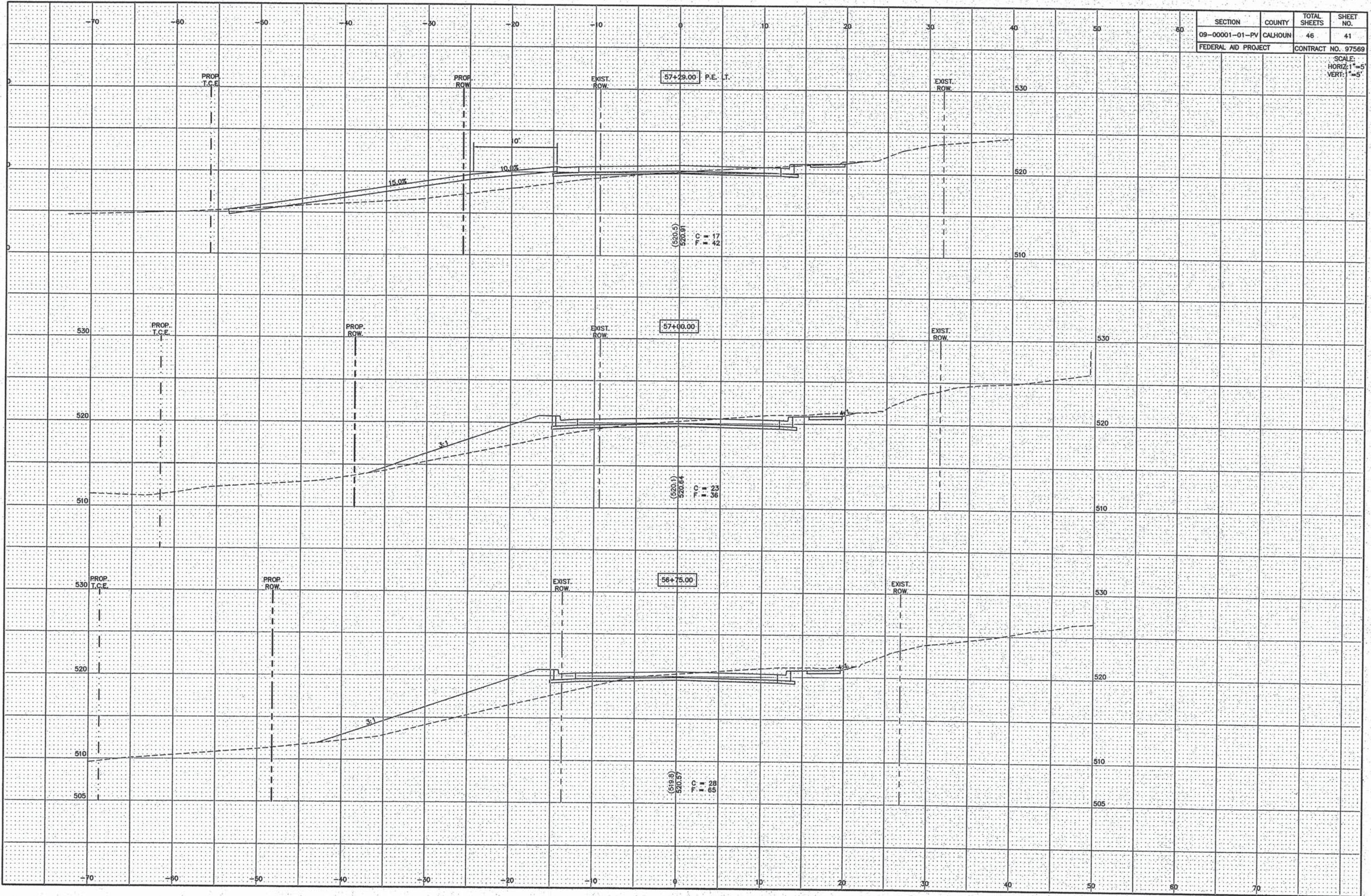
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	40
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



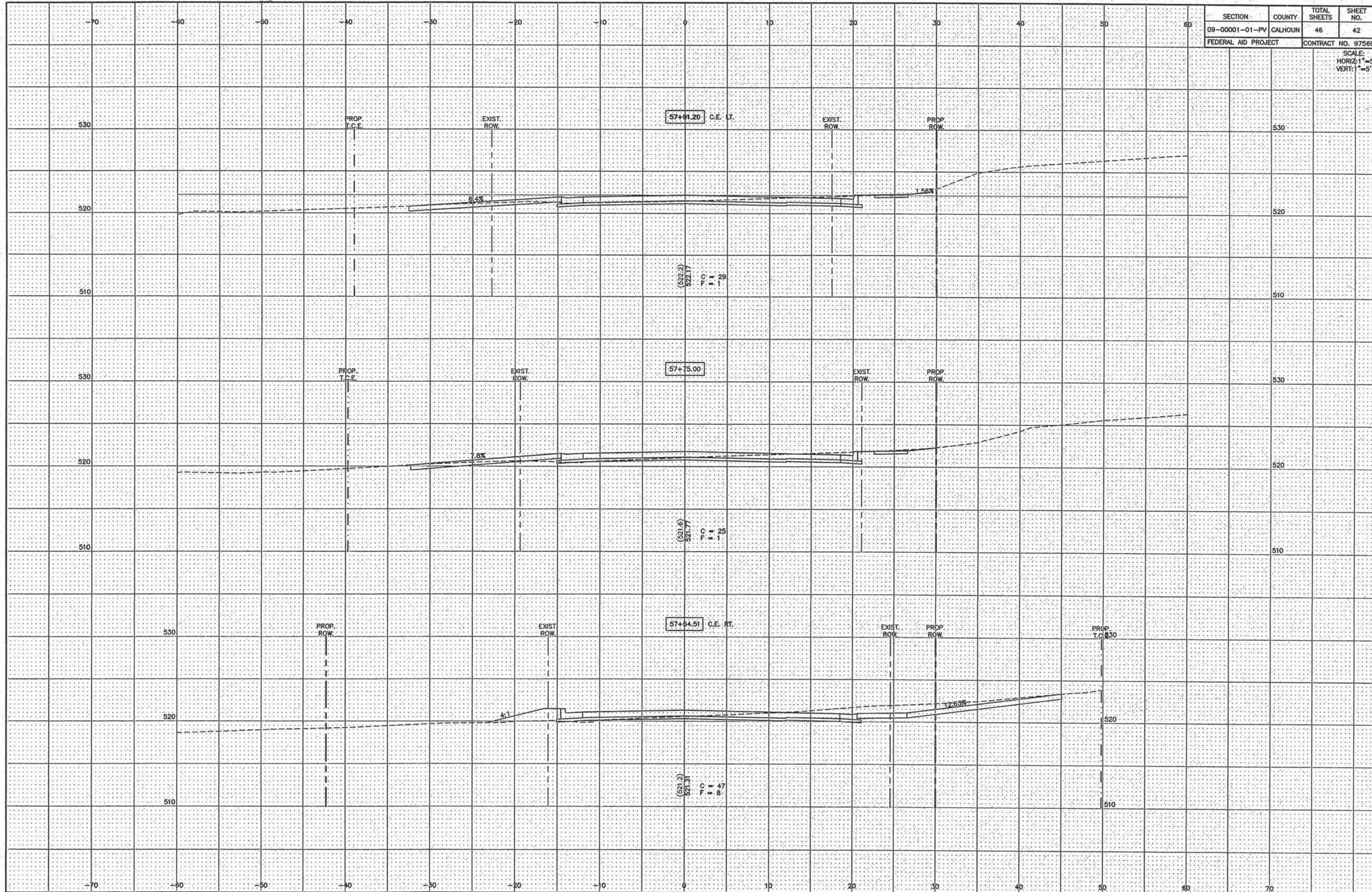
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00001-01-PV	CALHOUN	46	41
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	42
FEDERAL AID PROJECT		CONTRACT NO. 97569	

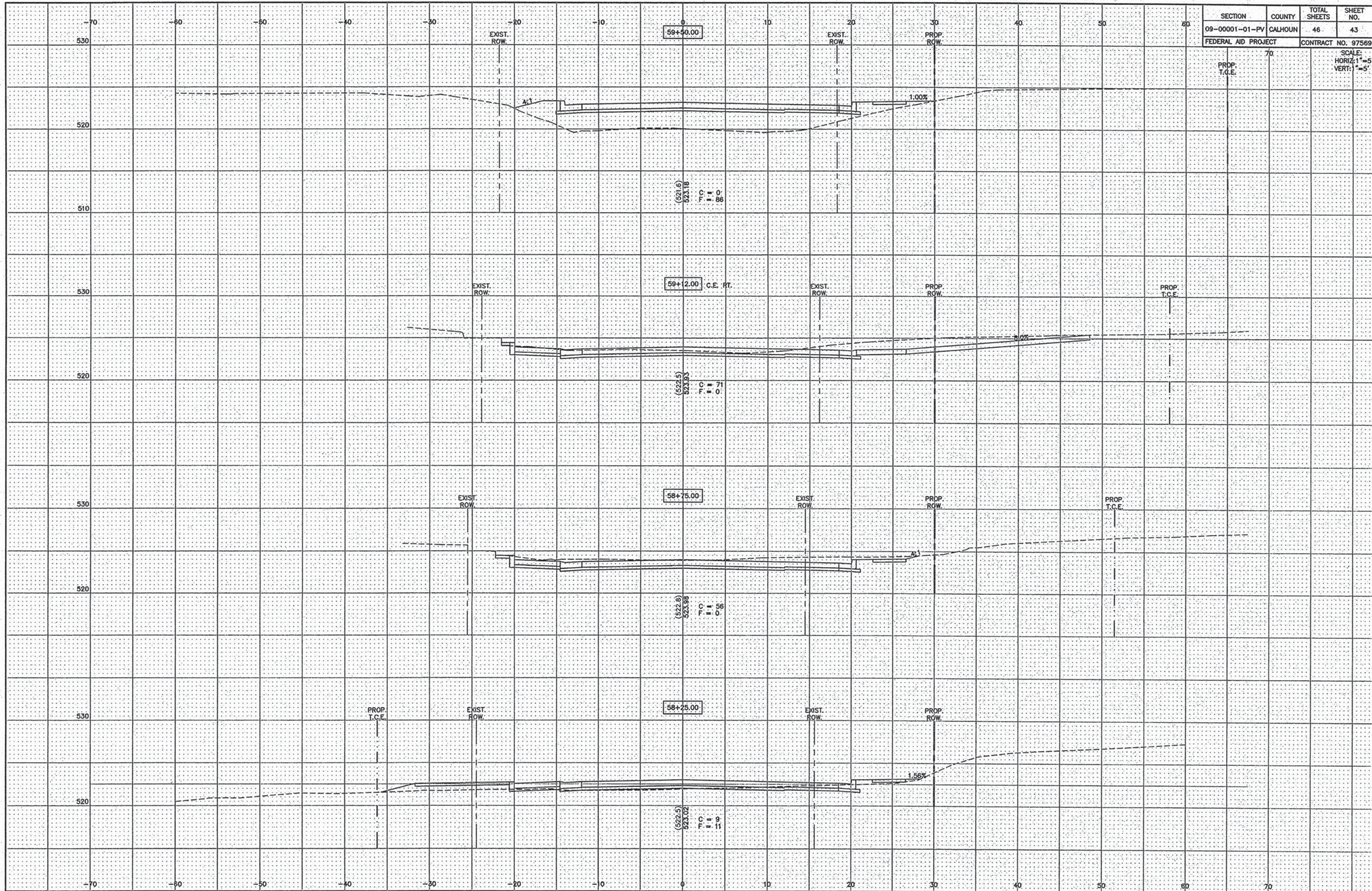
SCALE:
HORIZ: 1"=5'
VERT: 1"=5'



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	43
FEDERAL AID PROJECT		CONTRACT NO. 97569	

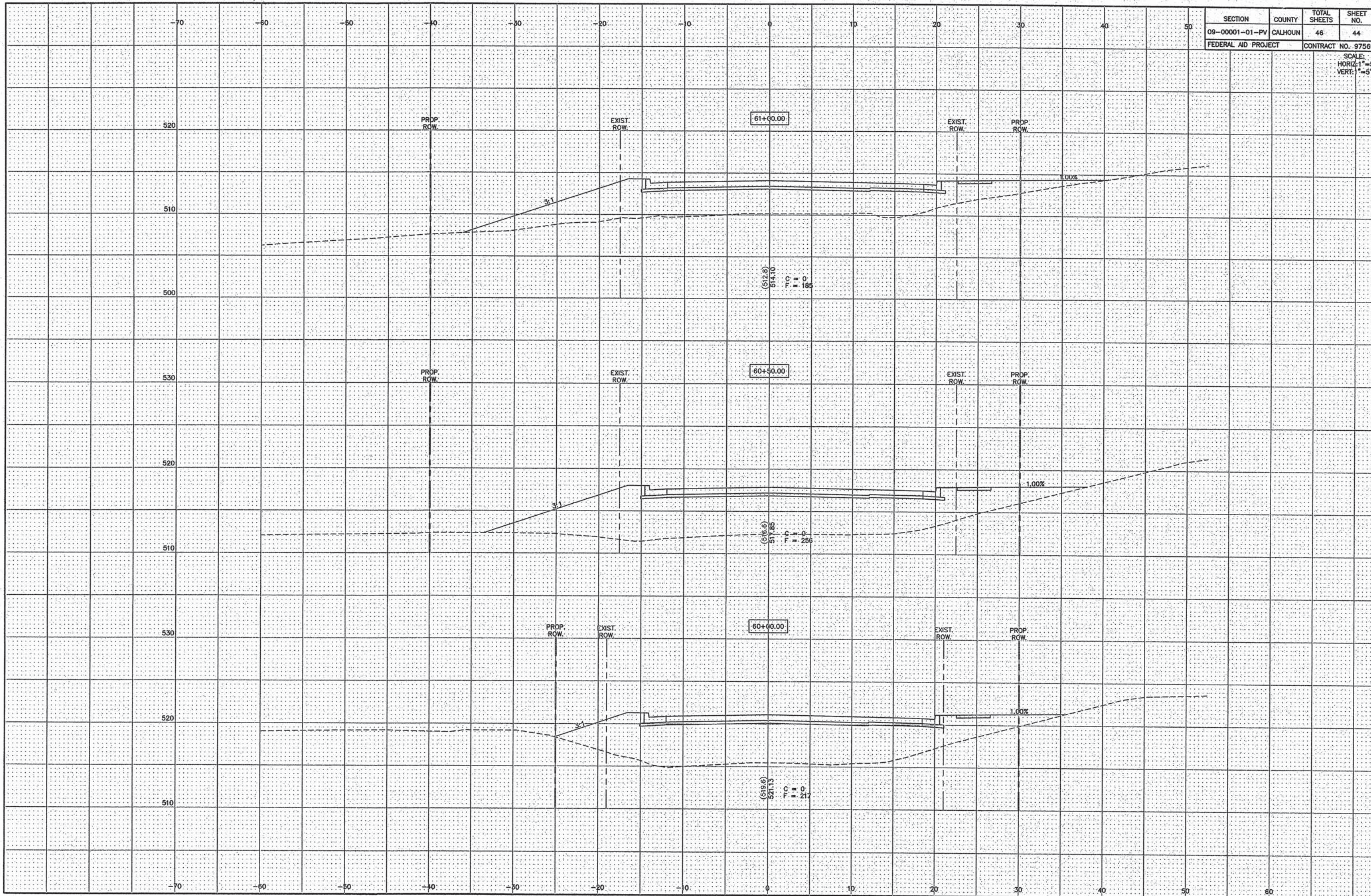
PROP. T.C.E. 70

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



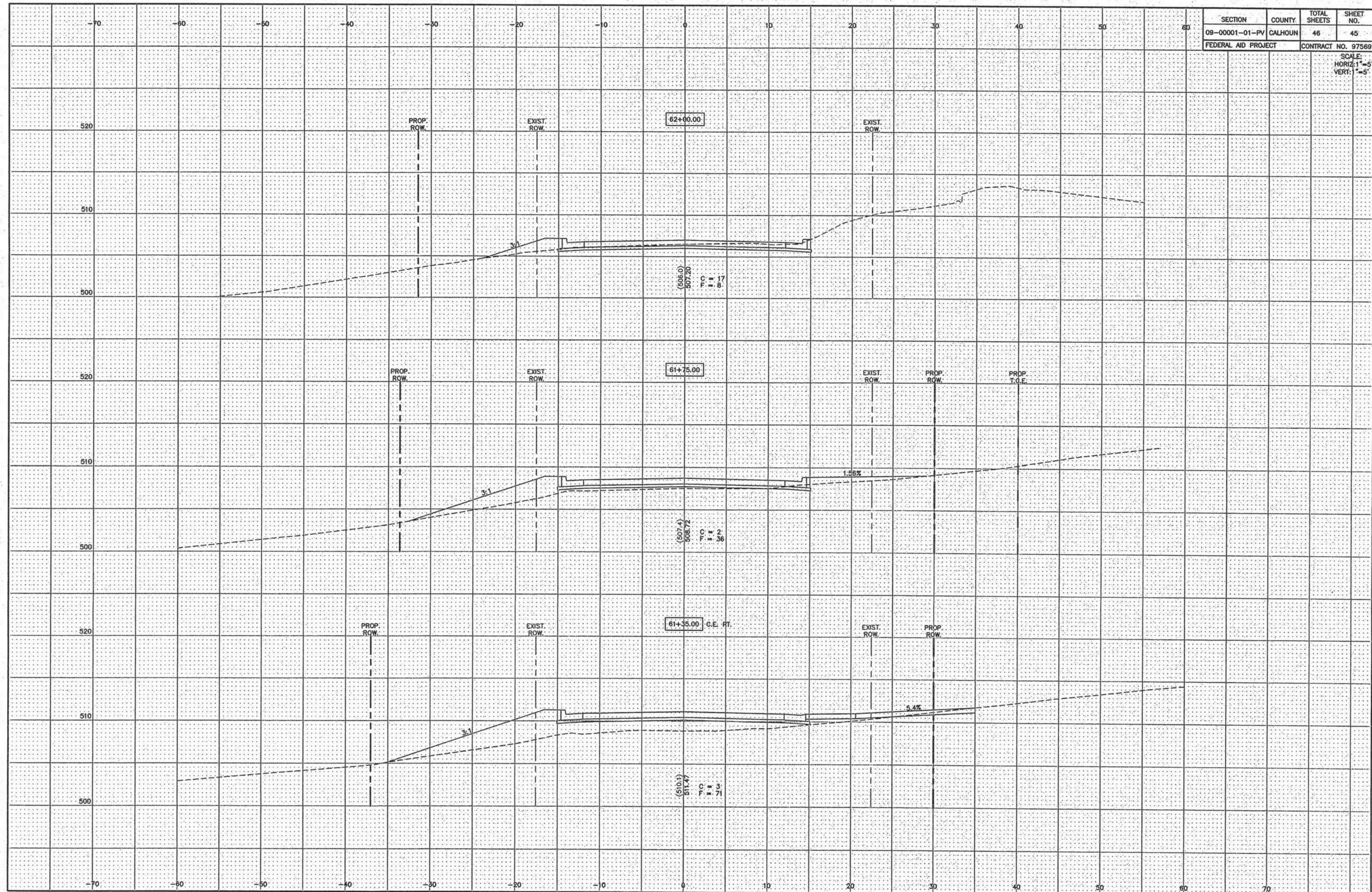
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	44
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-00001-01-PV	CALHOUN	46	45
FEDERAL AID PROJECT		CONTRACT NO. 97569	

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



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
09-0001-01-PV	CALHOUN	46	46
FEDERAL AID PROJECT		CONTRACT NO. 97569	
SCALE: HORIZ: 1"=5' VERT: 1"=5'			

