

FOR UTILITY LOCATION PURPOSES, THIS PROJECT IS LOCATED IN NORTH EAST QUARTER OF SECTION 12, TOWNSHIP 5 NORTH, RANGE 10 WEST OF THE THIRD PRINCIPAL MERIDIAN

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

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

ILLINOIS AMERICAN WATER CO. AT&T
 4436 INDUSTRIAL DRIVE 203 GOETHE
 ALTON, ILLINOIS 62002 COLLINGSVILLE, ILLINOIS 62234
 (618) 466-2131 (618) 348-6422

AMEREN IP ALTON PUBLIC WORKS
 700 OAKWOOD AVENUE 2 EMMA KAUS LANE
 ALTON, ILLINOIS 62002 ALTON, ILLINOIS 62002
 (618) 463-4041 (ELECTRIC) (618) 463-3530
 (618) 463-4027 (GAS)

CHARTER COMMUNICATIONS
 4787 SIGNATURE INDUSTRIAL DR.
 EDWARDSVILLE, ILLINOIS 62025
 (618) 778-4179

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

COLLEGE AVENUE SIDEWALK PROJECT

SECTION 15-00231-01-SW

FAU ROUTE 8961

PROJECT TE-00D8 (206)

CITY OF ALTON, ILLINOIS

MADISON COUNTY

JOB C-98-301-15

SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	1
FEDERAL AID PROJECT		CONTRACT NO. 97614	

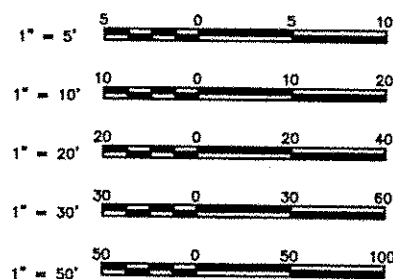
INDEX TO SHEETS

- COVER SHEET
- GENERAL NOTES, LEGENDS & CONTROL POINTS
- SUMMARY OF QUANTITIES, SCHEDULES & DETAILS
- PROPOSED TYPICAL SECTIONS
- 5.-10. PLAN AND PROFILE
11. GENERAL TRAFFIC CONTROL PLAN
12. EROSION CONTROL PLAN
- 13.-28. CROSS SECTIONS

HIGHWAY STANDARDS

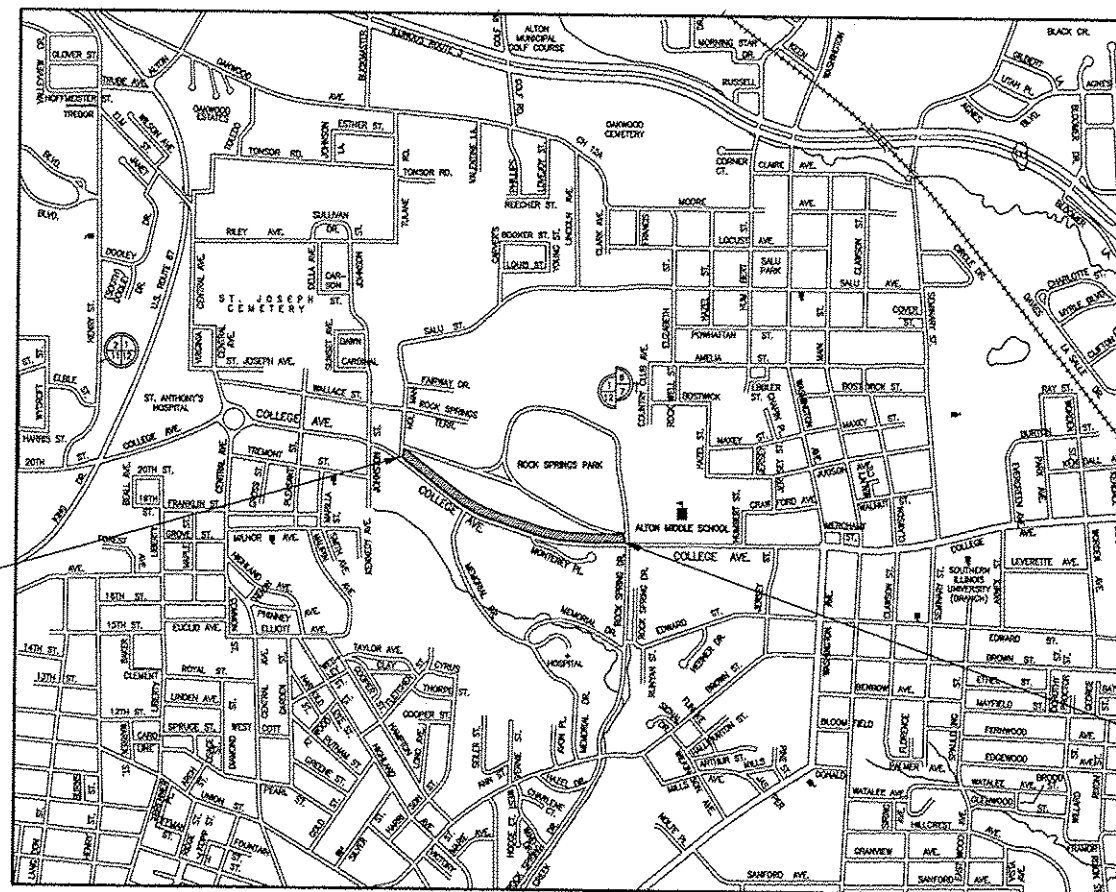
280001-07	701301-04
424001-08	701501-06
701006-05	701801-06
701011-04	701901-05

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.

PROJECT BEGINS
 STA. 1+00.66



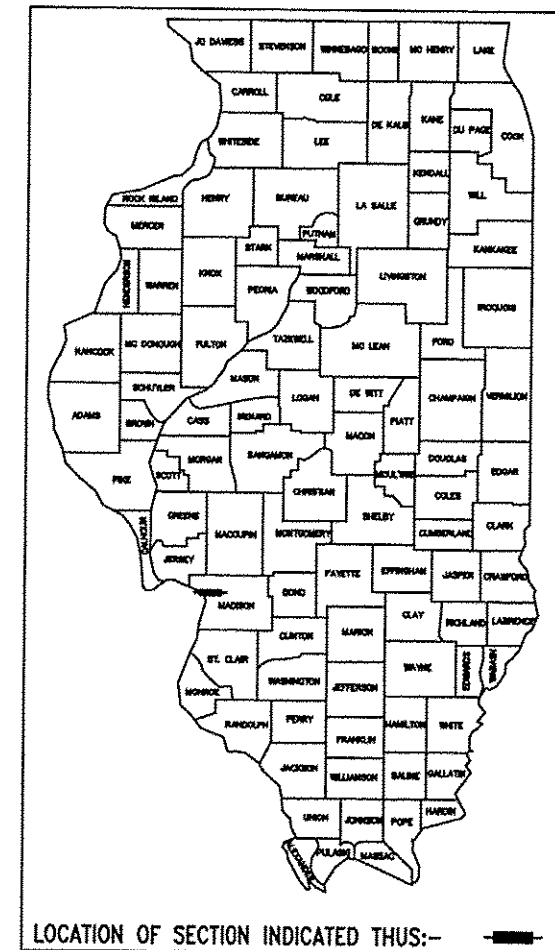
LOCATION MAP



PROJECT ENDS
 STA. 26+84.01

LENGTH OF PROJECT = 2,583.35 FEET = 0.489 MILES

SMS ENGINEERS Sheppard Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS & LAND SURVEYORS
 215 Market Street
 Alton, Illinois 62002
 P.O. Box E
 618/462-0755



LOCATION OF SECTION INDICATED THIS:-

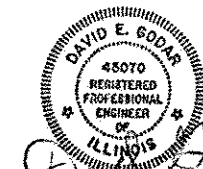
STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION

APPROVED: 2-12-2016
Bron W. Williams
 MAYOR

PASSED: 2-26-2016
James W. ...
 DISTRICT ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID
 BASED UPON LIMITED
 REVIEW: 2-26-2016
Jeffrey Keirn
 JEFFREY KEIRN, P.E.
 DEPUTY DIRECTOR OF HIGHWAYS
 REGION FIVE ENGINEER

STATE OF ILLINOIS
 DEPARTMENT OF TRANSPORTATION
 PRINTED BY AUTHORITY OF THE STATE OF ILLINOIS



DATE SIGNED 2-11-16
 EXPIRATION DATE 11-30-17

STANDARD SYMBOL LEGEND

EXISTING

- EXISTING GUY POLE --○--
- EXISTING LIGHT POLE --X
- EXISTING POWER POLE --○--
- EXISTING TELEPHONE POLE --○--
- EXISTING GUY WIRE --ε--
- EXISTING TRANSMISSION TOWER --□
- EXISTING ELECTRIC SPLICE BOX --□^E
- EXISTING TELEPHONE SPLICE BOX --□^T
- EXISTING CABLE SPLICE BOX --□^{TV}
- EXISTING WATER HYDRANT --F
- 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 --⊙
- 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 --F
- EXISTING FENCE POST --⊕
- EXISTING GATE POST --⊕
- EXISTING FLAG POLE --○
- EXISTING GUARD POST --○^{GP}
- EXISTING ADVERTISING SIGN --T
- EXISTING TRAFFIC SIGN --T
- 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 --X^{XX}

PROPOSED

- PROPOSED GUY POLE --○--
- PROPOSED LIGHT POLE --X
- PROPOSED POWER POLE --○--
- PROPOSED TELEPHONE POLE --○--
- PROPOSED GUY WIRE --ε--
- PROPOSED TRANSMISSION TOWER --□
- PROPOSED ELECTRIC SPLICE BOX --□^E
- PROPOSED TELEPHONE SPLICE BOX --□^T
- PROPOSED CABLE SPLICE BOX --□^{TV}
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- 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

SIDEWALK LEGEND

- RAMP -- MAX. SLOPE = 12:1 OR MAX. LENGTH REQUIRED = 15'
- DETECTABLE WARNING
- L -- LANDING -- MIN. SIZE 4' X 4' MAX. SLOPE IN EITHER DIRECTION = 2.0%
- BT -- BLENDED TRANSITION -- MAX. CROSS SLOPE = 2.0% MAX. RUNNING SLOPE = 5.0%
- T -- TRANSITION TO MEET EXISTING SIDEWALK
- P -- PASSING SPACE -- MIN. SIZE 5' X 5', MAX CROSS SLOPE = 2.0%

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 -- 500
- EXISTING MINOR CONTOUR -- 501
- 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 -- 500
- PROPOSED MINOR CONTOUR -- 501
- PROPOSED DITCH
- PROPOSED POND, LAKE, BODY OF WATER, ETC.
- 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 GAS
- PROPOSED UNDERGROUND TELEPHONE
- PROPOSED FIBER OPTIC
- PROPOSED UNDERGROUND CABLE TV
- PROPOSED OVERHEAD TELEPHONE
- PROPOSED OVERHEAD ELECTRIC
- PROPOSED OVERHEAD CABLE TV

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
C	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	FLOWLINE	TB	TRENCH BACKFILL
FT	FOOT	TBR	TO BE REMOVED
FWD	FORWARD	TC	TOP OF CURB
GP	GUARD POST	TCE	TEMPORARY CONSTRUCTION EASEMENT
HDPPE	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		

GENERAL NOTES

1. THIS PROJECT SHALL BE CONSTRUCTED ACCORDING TO THE "STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION" ADOPTED APRIL 1, 2016 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.
4. SEE TYPICAL SECTION SHEETS FOR TYPICAL SECTION NOTES.
5. SEE EROSION CONTROL PLAN FOR EROSION CONTROL NOTES.
6. SEE TRAFFIC CONTROL PLAN FOR TRAFFIC CONTROL NOTES.
7. THE CONTRACTOR SHALL EXERCISE CARE IN THE TREE REMOVAL OPERATIONS AND SHALL TAKE PRECAUTIONS TO REMOVE ONLY THOSE TREES THAT ARE NECESSARY FOR THE CONSTRUCTION OF THIS PROJECT AS INDICATED BY THE ENGINEER, ALL OTHER TREES SHALL REMAIN UNDAMAGED.
8. 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.
9. UNLESS OTHERWISE PROVIDED FOR HEREIN, THE CONTRACTOR SHALL PROTECT AND RESTORE EXISTING TRAFFIC SIGNS IN ACCORDANCE WITH ARTICLE 107.25 OF THE STANDARD SPECIFICATIONS. THE COST OF THIS WORK WILL BE CONSIDERED AS INCLUDED IN THE UNIT BID PRICES OF THE CONTRACT AND NO ADDITIONAL COMPENSATION WILL BE ALLOWED.

COMMITMENTS

NONE

BENCHMARK INFORMATION

SURVEY CONTROL POINTS			
VERTICAL CONTROL (BENCH MARKS)			
CONTROL POINT	LOCATION	ELEVATION	DESCRIPTION
120	STA. 23+00.49, 21.49' RT.	571.81	RR SPIKE IN POWER POLE
121	STA. 31+06.36, 18' RT.	558.91	RR SPIKE IN POWER POLE

HORIZONTAL CONTROL				
CONTROL POINT	NORTHING	EASTING	ELEVATION	DESCRIPTION
103	814534.9720	2298270.2420	554.07	TOP CONTROL POINT CAP
108	815467.2540	2296777.5420	576.42	CUT CROSS
109	815204.6840	2297208.0870	577.20	TOP CONTROL POINT CAP
110	814917.3930	2297610.6100	567.19	TOP CONTROL POINT CAP
111	814655.1200	2297913.3300	560.95	TOP CONTROL POINT CAP

* ELEVATIONS SHOULD BE CHECKED FROM A BENCHMARK.

REVISIONS			
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SMS Sheppard, Morgan & Schwab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618452-9755 E-mail: mail@smseng.com
ENGINEERS DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 GENERAL NOTES, LEGENDS & CONTROL POINTS

CONTRACT NO.	97614
DWG. NO.	COLLEGE_SW_LEGEND.DWG
REF. BK.	PG.
JOB NO.	408931.0
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	SEPTEMBER, 2015
SCALE:	NONE
SHEET	2 OF 28

SUMMARY OF QUANTITIES

CODE NO.	CONSTRUCTION TYPE CODE ITEM	0028	
		UNIT	QUANTITY
20100110	TREE REMOVAL (6 TO 15 UNITS DIAMETER)	UNIT	206
20100210	TREE REMOVAL (OVER 15 UNITS DIAMETER)	UNIT	190
20100500	TREE REMOVAL, ACRES	ACRE	0.11
20200100	EARTH EXCAVATION	CU YD	4,271
20201200	REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL	CU YD	10
25000115	SEEDING, CLASS 1B	ACRE	1.3
25000400	NITROGEN FERTILIZER-NUTRIENT	POUND	117
25000500	PHOSPHORUS FERTILIZER NUTRIENT	POUND	117
25000600	POTASSIUM FERTILIZER NUTRIENT	POUND	117
25000700	AGRICULTURAL GROUND LIMESTONE	TON	2.6
25100115	MULCH, METHOD 2	ACRE	0.8
25100630	EROSION CONTROL BLANKET	SQ YD	2,282
28000250	TEMPORARY EROSION CONTROL SEEDING	POUND	130
28000400	PERIMETER EROSION BARRIER	FOOT	2,640
31101000	SUBBASE GRANULAR MATERIAL, TYPE B	TON	20
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	12,920
42400800	DETECTABLE WARNINGS	SQ FT	10
44000600	SIDEWALK REMOVAL	SQ FT	2,745
50800105	REINFORCEMENT BARS	POUND	3,635
67000500	ENGINEER'S FIELD OFFICE, TYPE B	CAL MO	3
67100100	MOBILIZATION	L SUM	1
X0326864	BRICK SIDEWALK REMOVAL	SQ FT	10,484
X7010216	TRAFFIC CONTROL AND PROTECTION, (SPECIAL)	L SUM	1

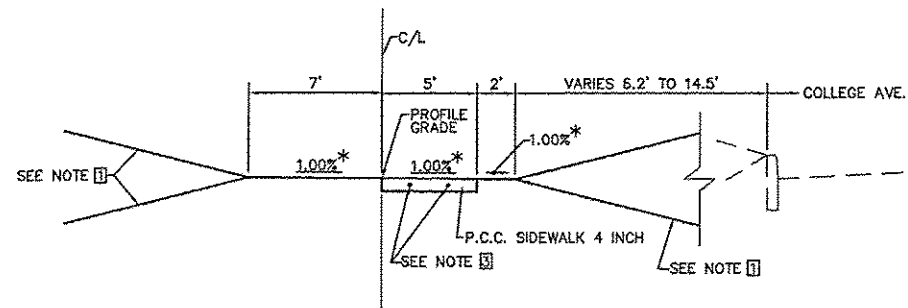
* DENOTES SPECIALTY ITEM

REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618429-9755 E-mail: msd@smsengineers.com
ENGINEERS DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 SUMMARY OF QUANTITIES

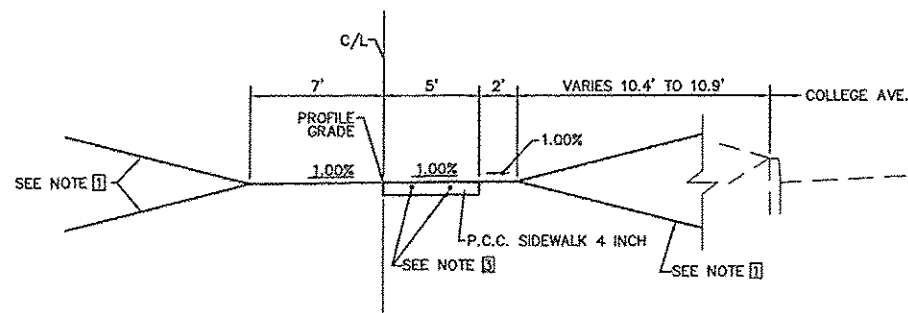
CONTRACT NO.
97614
 DWG. NO.
COLLEGE SW DETAILS 1.DWG
 REF. BK. PG.
 JOB NO. 208263
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: SEPTEMBER, 2015
 SCALE: 1" = 5'
 SHEET 3 OF 28



PROPOSED TYPICAL SECTION
COLLEGE AVE. SIDEWALK SCALE: 1" = 5' H., 1" = 2' V.

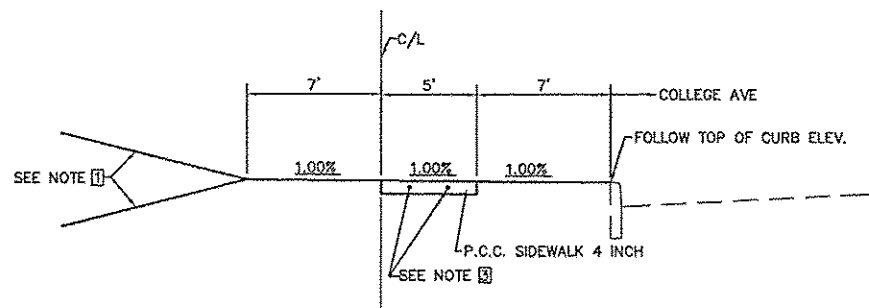
STA. 1+00.66 TO STA. 5+00
 STA. 8+00 TO STA. 18+35.25

*CROSS SLOPE REVERSES FROM RT. TO LT. FROM STA. 4+80 TO STA. 5+00
 *CROSS SLOPE REVERSES FROM LT. TO RT. FROM STA. 8+00 TO STA. 8+20



PROPOSED TYPICAL SECTION
COLLEGE AVE. SIDEWALK SCALE: 1" = 5' H., 1" = 2' V.

STA. 5+00 TO STA. 8+00

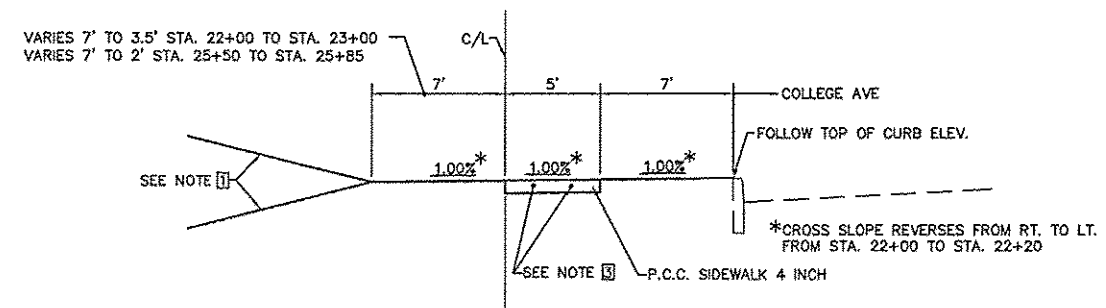


PROPOSED TYPICAL SECTION
COLLEGE AVE. SIDEWALK SCALE: 1" = 5' H., 1" = 2' V.

STA. 18+35.25 TO STA. 22+00

TYPICAL SECTION NOTES

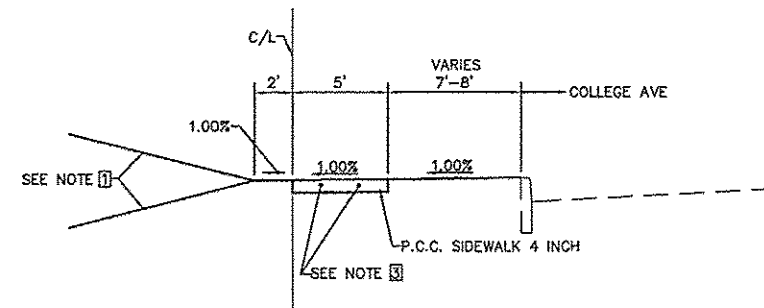
- 1 SEE CROSS SECTIONS FOR GRADING. MAXIMUM SLOPE IS 4:1
- 2 AT LOCATIONS WHERE THE CROSS SLOPE REVERSES DIRECTION, THE TRANSITION SHALL BE MADE IN 20 FEET.
- 3 PROVIDE 2 No. 4 BARS AT MID-DEPTH EVENLY SPACED, PLACED ON CHAIRS OR PLASTIC SUPPORTS PRIOR TO THE POUR. PROVIDE 12" MIN. OVERLAP. PLAN QUANTITY IS BASED ON 20 FT. BARS WITH 12" OVERLAP.
- 4 EXPANSION JOINTS AT MAXIMUM INTERVALS OF 100 FT. PROVIDE SPEED DOWEL INSERTS OR EXPANSION TUBES AT EXPANSION JOINTS.
- 5 GROOVES IN SIDEWALK SURFACE SHALL BE AT 5 FOOT SPACINGS.



PROPOSED TYPICAL SECTION
COLLEGE AVE. SIDEWALK SCALE: 1" = 5' H., 1" = 2' V.

STA. 22+00 TO STA. 25+85

*CROSS SLOPE REVERSES FROM RT. TO LT. FROM STA. 22+00 TO STA. 22+20



PROPOSED TYPICAL SECTION
COLLEGE AVE. SIDEWALK SCALE: 1" = 5' H., 1" = 2' V.

STA. 25+85 TO STA. 26+84.01

EARTH WORK 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. 1+00.66 (BEGIN) TO 16+00	409	307	81	226	
STA. 16+00 TO 24+00	3,844	2,883	0	2,883	
STA. 24+00 TO 26+84.01 (END)	18	14	583	-570	
Total :	4,271	3,203	664	2,539	0

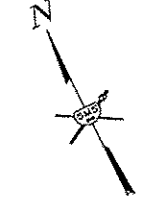
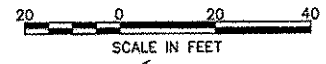
* ASSUME SHRINKAGE FACTOR = 25%

REVISIONS

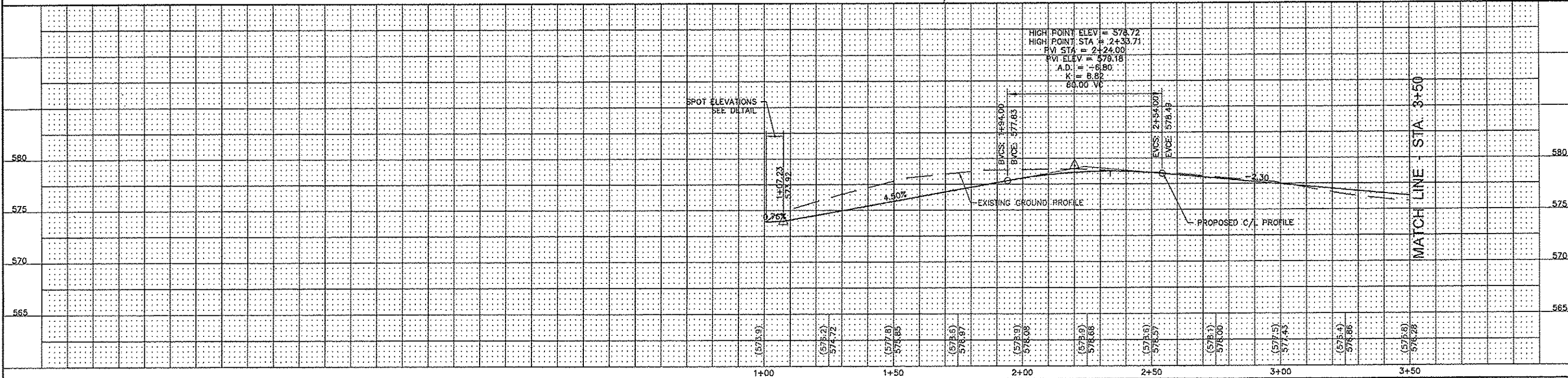
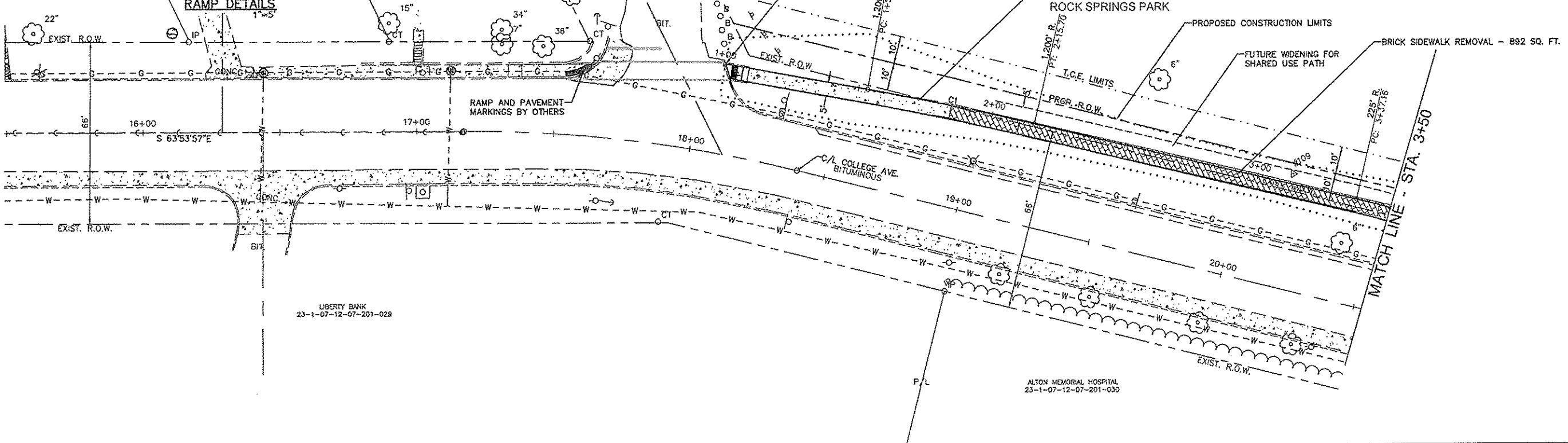
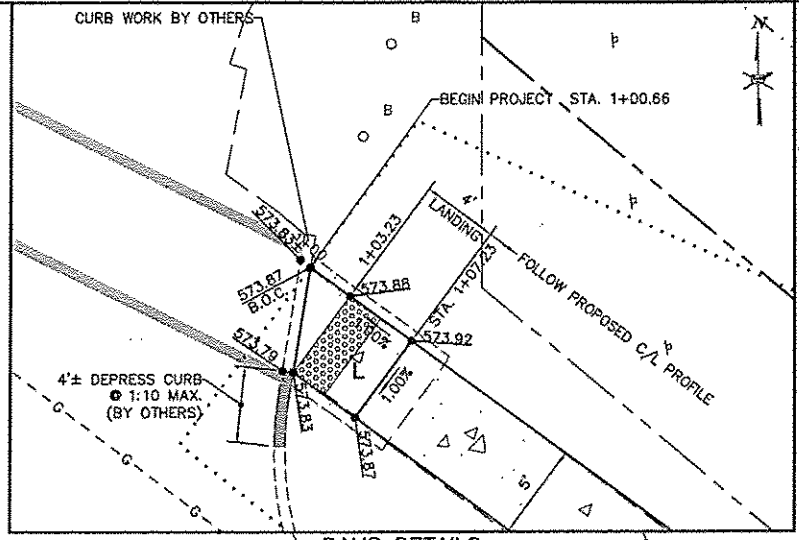
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ENGINEERS DESIGN FIRM # 184-000992

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 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 PROPOSED TYPICAL SECTIONS

CONTRACT NO.	97614
DWG. NO.	COLLEGE_SW_TYP_SEC.DWG
REF. BK.	PG.
JOB NO.	208263
DSN. BY:	DEG
DRAWN BY:	CDD
CHK. BY:	DEG
DATE:	SEPTEMBER, 2015
SCALE:	1" = 5'
SHEET	4 OF 28



C/L Curve Data								
Curve #	Radius	Length	Chord Length	Chord Direction	PC	PI	PT	Delta
C1	1200.000	62.448	62.44	S52° 12' 53.25"E	1+53.25	1+84.48	2+15.70	002° 58' 54"



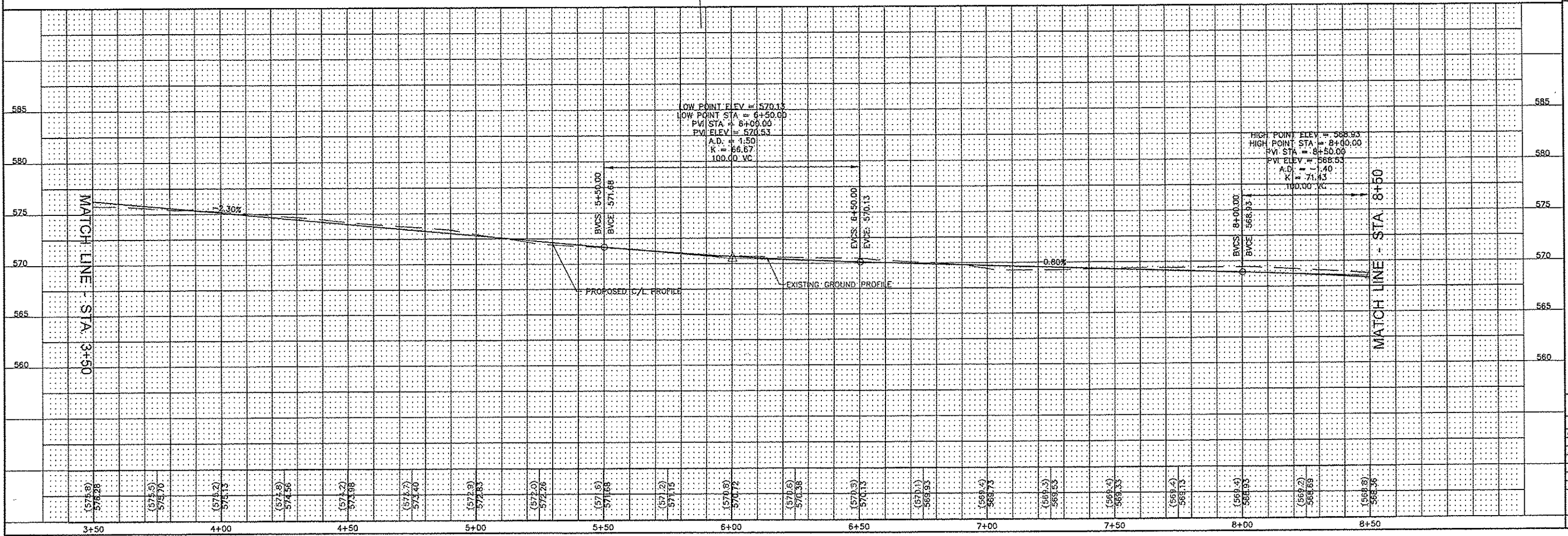
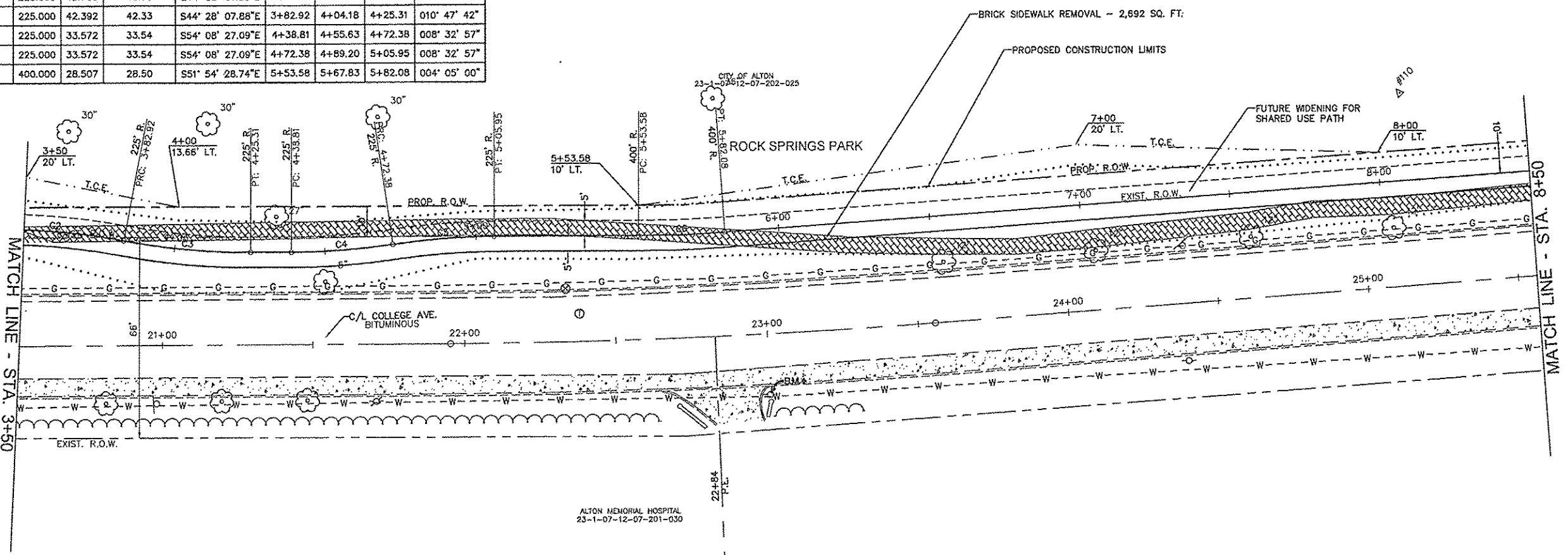
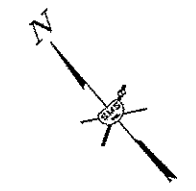
NO.	DESCRIPTION

SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box 2, Alton, IL 62002 618-462-8755 E-mail: ms@sms-engineers.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 PLAN AND PROFILE

CONTRACT NO.	97614
DWG. NO.	COLLEGE SW PP SHEETS.DWG
REF. BK.	PG.
JOB NO.	20B263
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	SEPTEMBER, 2015
SCALE:	HORIZ: 1"=20' VERT: 1"=5'
SHEET	5 OF 28

C/L Curve Data								
Curve #	Radius	Length	Chord Length	Chord Direction	PC	PI	PT	Delta
C2	225.000	45.760	45.68	S44° 53' 51.65"E	3+37.16	3+60.12	3+82.92	011° 39' 09"
C3	225.000	42.392	42.33	S44° 28' 07.88"E	3+82.92	4+04.18	4+25.31	010° 47' 42"
C4	225.000	33.572	33.54	S54° 08' 27.09"E	4+38.81	4+55.63	4+72.38	008° 32' 57"
C5	225.000	33.572	33.54	S54° 08' 27.09"E	4+72.38	4+89.20	5+05.95	008° 32' 57"
C6	400.000	28.507	28.50	S51° 54' 28.74"E	5+53.58	5+67.83	5+82.08	004° 05' 00"

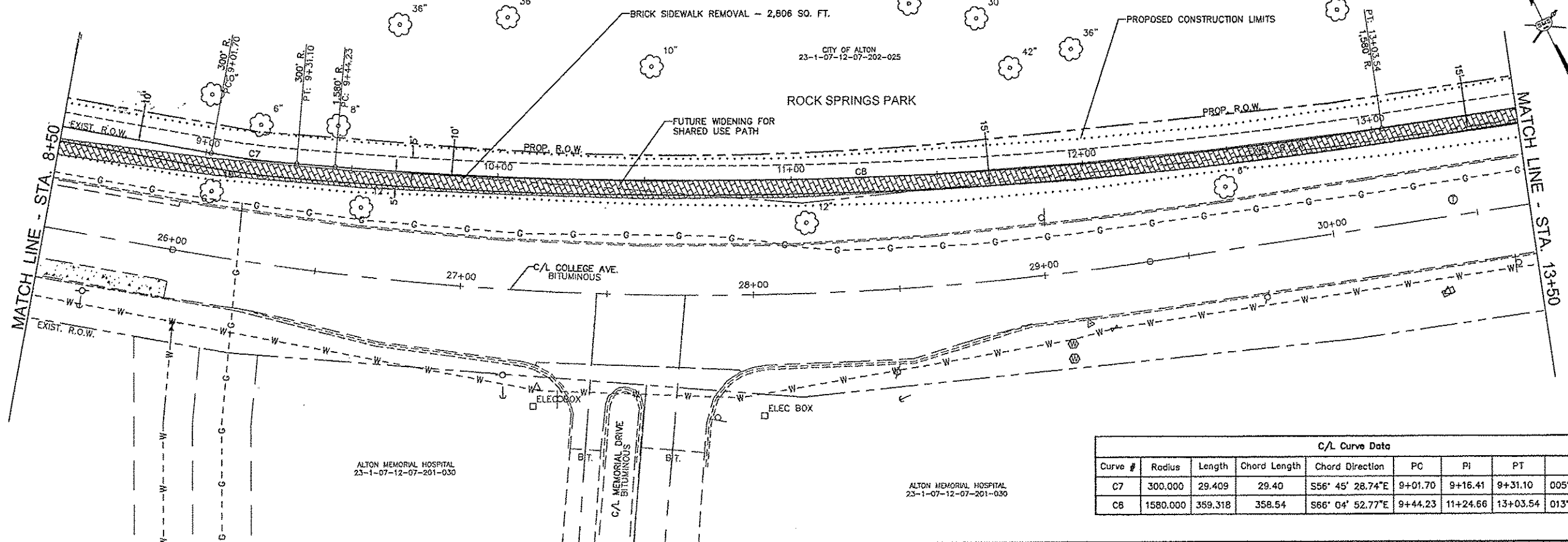
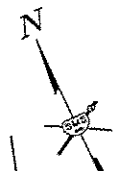


NO.	REVISIONS

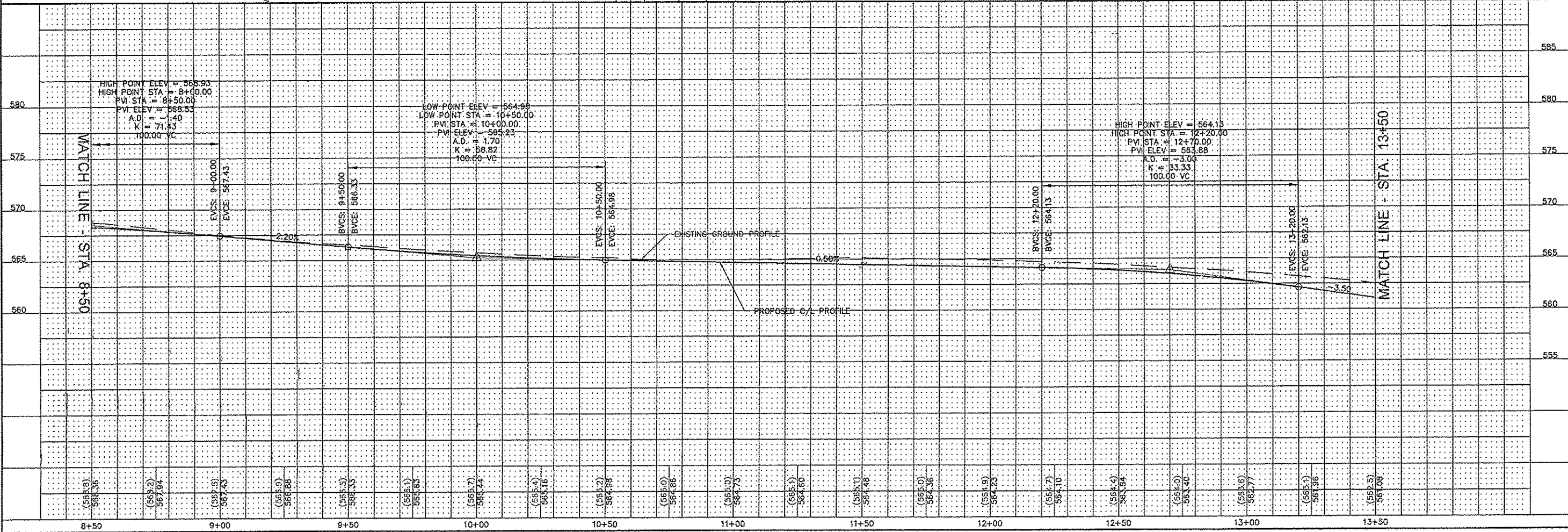
SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618-452-6755 E-mail: mail@smssheppard.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 PLAN AND PROFILE

CONTRACT NO. 97614
DWG. NO. COLLEGE SW PP SHEETS.DWG
REF. BK. P.G.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: CDP
CHK. BY: DEG
DATE: SEPTEMBER, 2015
SCALE: HORZ: 1"=20' VERT: 1"=5'
SHEET 6 OF 28

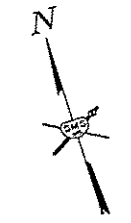
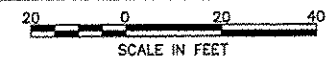


C/L Curve Data								
Curve #	Radius	Length	Chord Length	Chord Direction	PC	PI	PT	Delta
C7	300.000	29.409	29.40	S56° 45' 28.74"E	9+01.70	9+16.41	9+31.10	005° 37' 00"
C8	1580.000	359.318	358.54	S66° 04' 52.77"E	9+44.23	11+24.66	13+03.54	013° 01' 48"



REVISIONS
SMS Sheppard, Morgan & Schwaab, Inc.
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 215 Market Street, P.O. Box E, Alton, IL 62002 61842-9755 E-mail: ms@smssurvey.com
 DESIGN FIRM # 184-000992
ENGINEERS

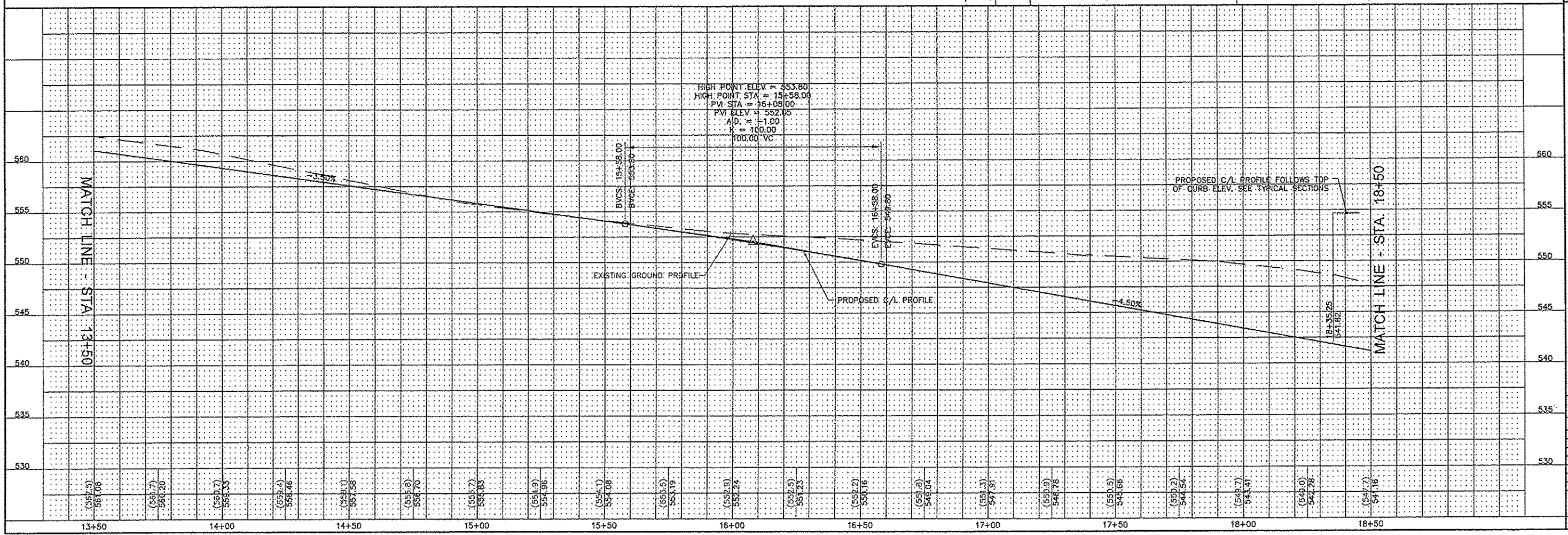
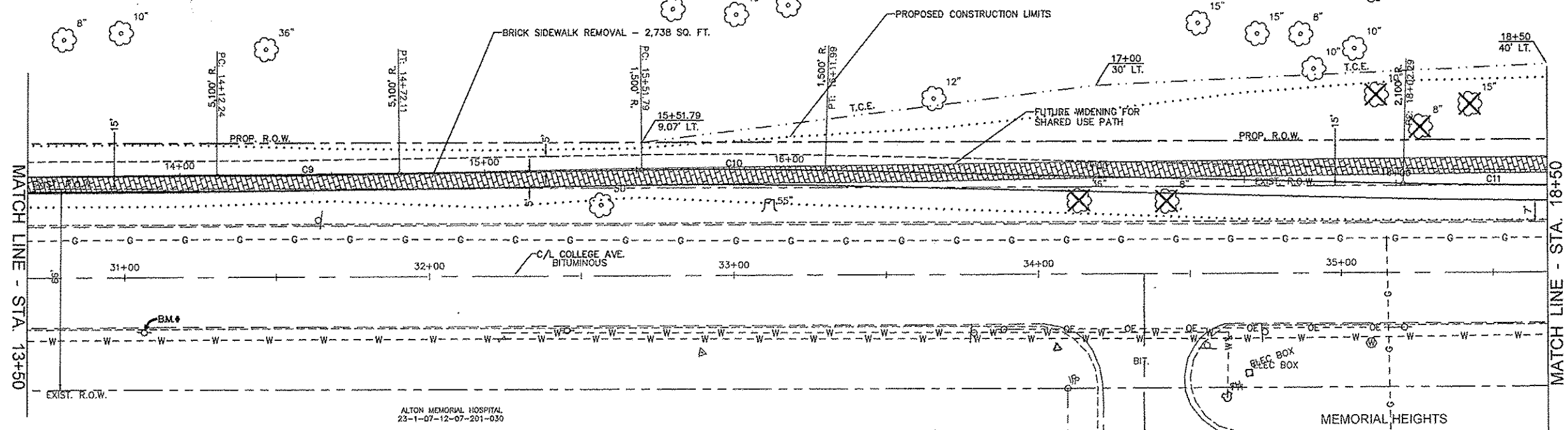
CITY OF ALTON, ILLINOIS
 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 PLAN AND PROFILE
 CONTRACT NO. 97614
 DWG. NO. COLLEGE SW PP SHEETS.DWG
 REF. BK. PC
 JOB NO. 208263
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: SEPTEMBER, 2015
 SCALE: HORIZ: 1"=20'
 VERT: 1"=5'
 SHEET 7 OF 28



C/L Curve Data								
Curve #	Radius	Length	Chord Length	Chord Direction	PC	PI	PT	Delta
C9	5100.000	59.875	59.87	S72° 55' 57.60"E	14+12.24	14+42.18	14+72.11	000° 40' 22"
C10	1500.000	60.204	60.20	S72° 07' 09.06"E	15+51.79	15+81.90	16+11.99	002° 17' 59"
C11	2100.000	59.483	59.48	S71° 46' 50.95"E	18+02.29	18+32.03	18+61.77	001° 37' 22"

CITY OF ALTON
23-1-07-12-12-201-001

ROCK SPRINGS PARK

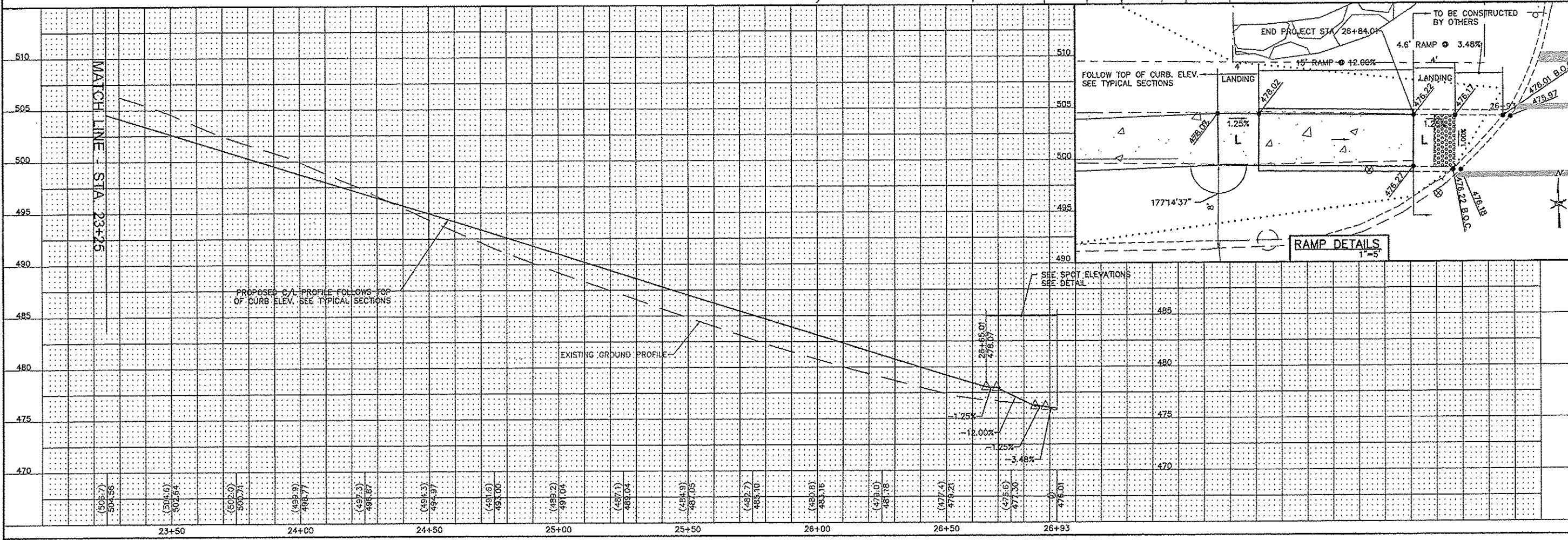
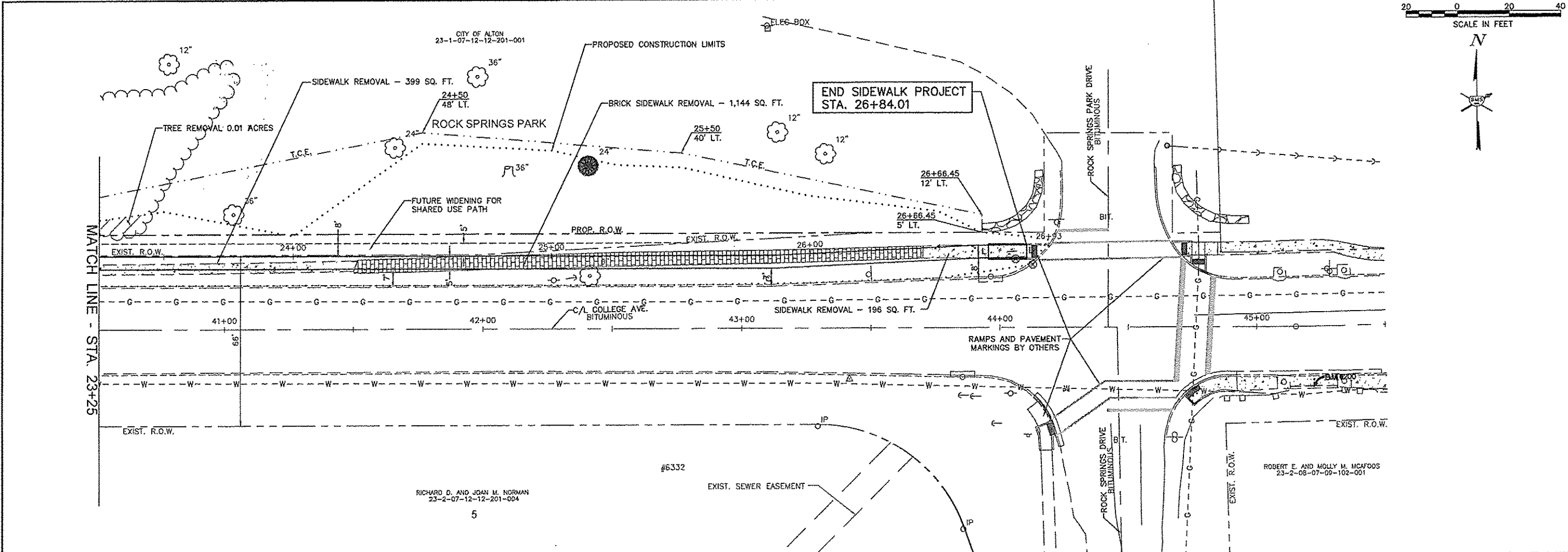


NO.	DATE	DESCRIPTION

SMS Sheppard, Morgan & Schwaab, Inc.
CONSULTING ENGINEERS AND LAND SURVEYORS
215 Market Street, P.O. Box E, Alton, IL 62002 618/462-6755 Email: sms@smssurvey.com
DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
SECTION 15-00231-01-SW
COLLEGE AVENUE SIDEWALK PROJECT
PLAN AND PROFILE

CONTRACT NO. 97614
DWG. NO. COLLEGE SW PP SHEETS.DWG
REF. BK. PG.
JOB NO. 208263
DSN. BY: DEG
DWN. BY: GDP
CHK. BY: DEG
DATE: SEPTEMBER, 2015
SCALE: HORZ: 1"=20' VERT: 1"=5'
SHEET 8 OF 28



REVISIONS

SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Macell Street, P.O. Box E, Alton, IL 62002 618/482-0755 E-mail: mail@smsmfg.com
ENGINEERS DESIGN FIRM # 184-000992

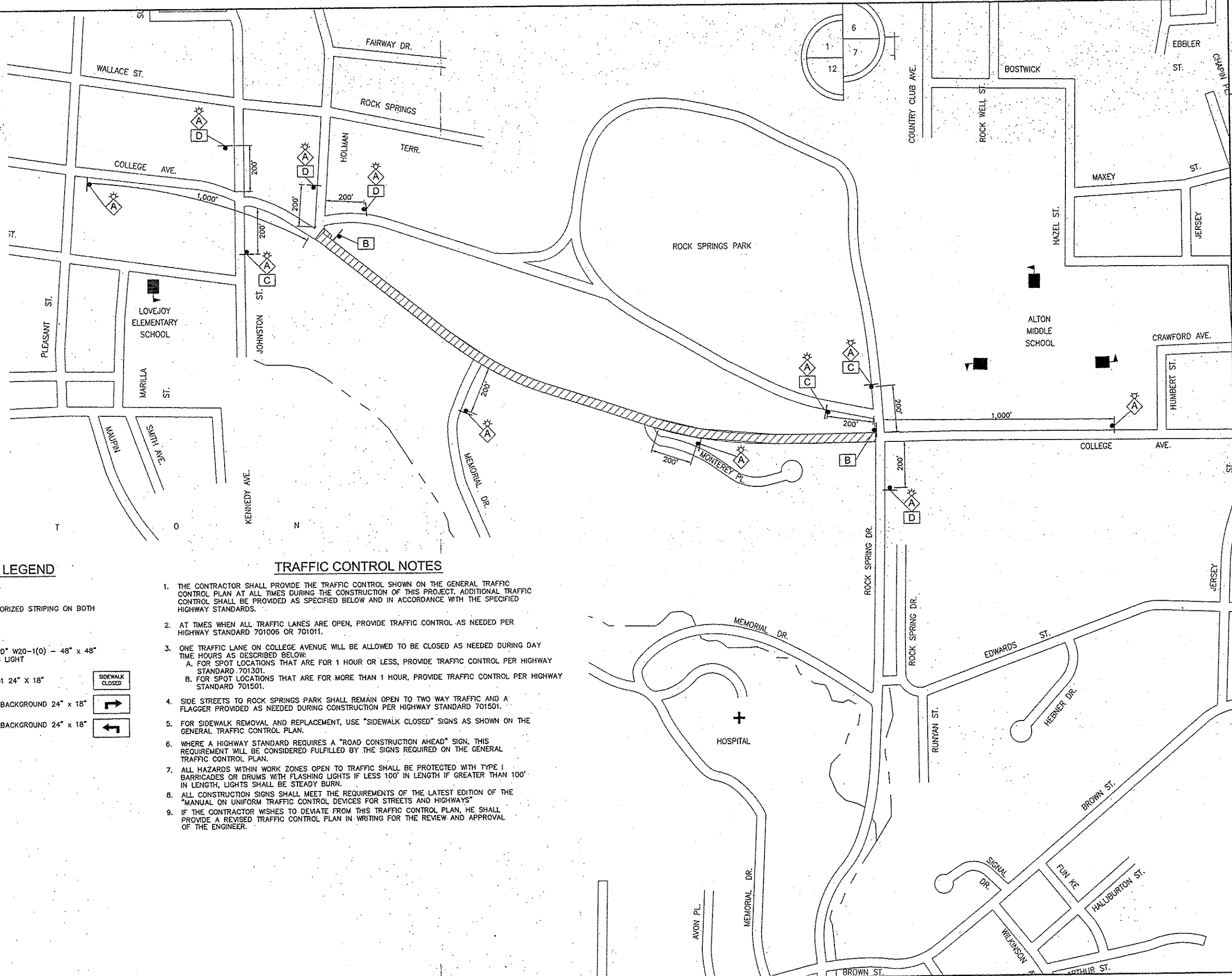
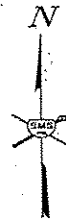
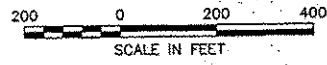
CITY OF ALTON, ILLINOIS
 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 PLAN AND PROFILE

CONTRACT NO. 97614

DWG. NO. COLLEGE SW PP SHEETS.DWG
 REF. BK. PG.
 JOB NO. 208263
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: SEPTEMBER, 2015

SCALE: HORZ: 1"=20'
 VERT: 1"=5'

SHEET 10 OF 28



TRAFFIC CONTROL LEGEND

- WORK AREA
- TYPE III BARRICADE WITH REFLECTORIZED STRIPING ON BOTH SIDES WITH FLASHING LIGHTS
- CONE, DRUM OR BARRICADE
- SIGN "ROAD CONSTRUCTION AHEAD" W20-1(0) - 48" x 48" WITH MONODIRECTIONAL FLASHING LIGHT
- SIGN "SIDEWALK CLOSED" R11-1101 24" x 18"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIGN BLACK ARROW ON ORANGE BACKGROUND 24" x 18"
- SIDEWALK CLOSED

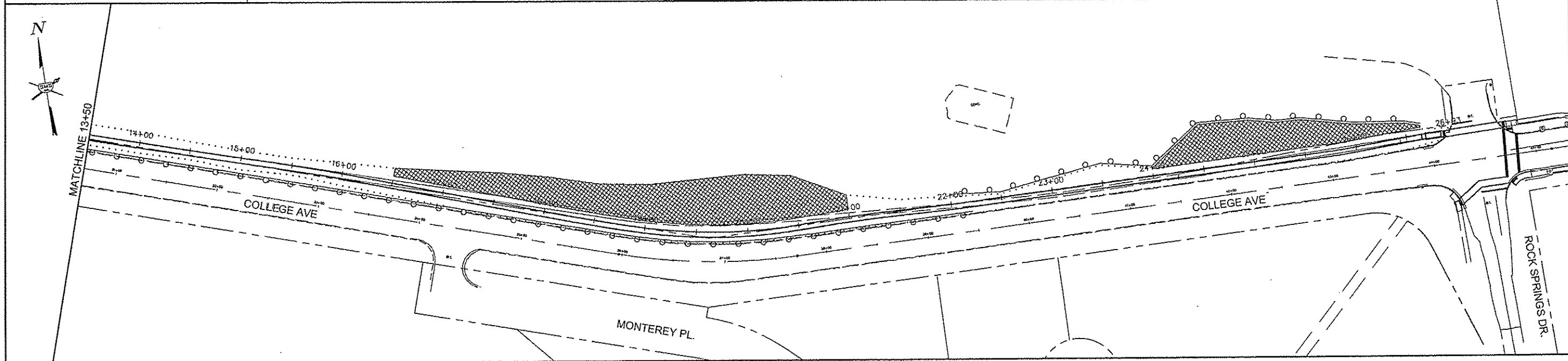
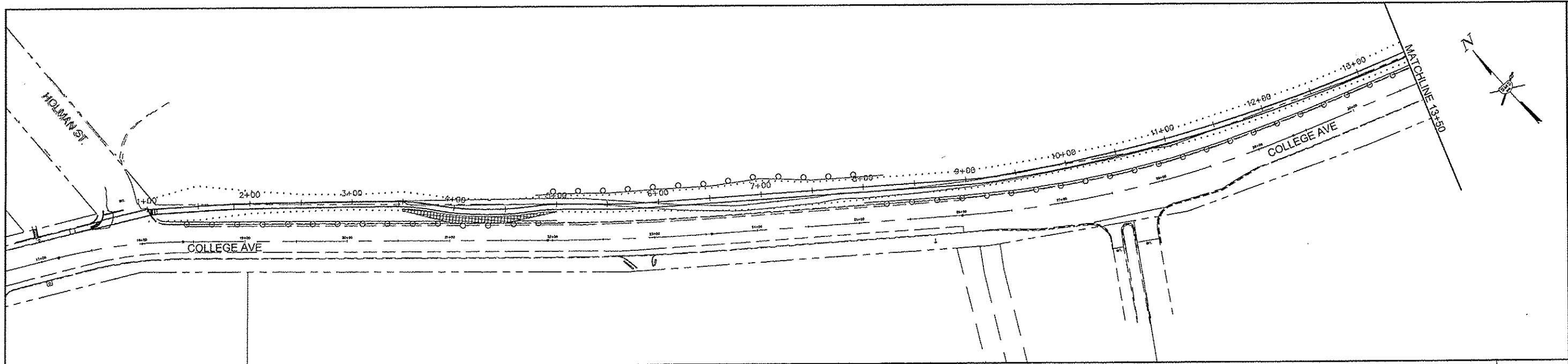
TRAFFIC CONTROL NOTES

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 OR 701011.
3. ONE TRAFFIC LANE ON COLLEGE AVENUE WILL BE ALLOWED TO BE CLOSED AS NEEDED DURING DAY TIME HOURS AS DESCRIBED BELOW:
 - A. FOR SPOT LOCATIONS THAT ARE FOR 1 HOUR OR LESS, PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701301.
 - B. FOR SPOT LOCATIONS THAT ARE FOR MORE THAN 1 HOUR, PROVIDE TRAFFIC CONTROL PER HIGHWAY STANDARD 701501.
4. SIDE STREETS TO ROCK SPRINGS PARK SHALL REMAIN OPEN TO TWO WAY TRAFFIC AND A FLAGGER PROVIDED AS NEEDED DURING CONSTRUCTION PER HIGHWAY STANDARD 701501.
5. FOR SIDEWALK REMOVAL AND REPLACEMENT, USE "SIDEWALK CLOSED" SIGNS AS SHOWN ON THE GENERAL TRAFFIC CONTROL PLAN.
6. 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.
7. ALL HAZARDS WITHIN WORK ZONES OPEN TO TRAFFIC SHALL BE PROTECTED WITH TYPE I BARRICADES OR DRUMS WITH FLASHING LIGHTS IF LESS 100' IN LENGTH IF GREATER THAN 100' IN LENGTH, LIGHTS SHALL BE STEADY BURN.
8. ALL CONSTRUCTION SIGNS SHALL MEET THE REQUIREMENTS OF THE LATEST EDITION OF THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS"
9. 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.

SMS ENGINEERS
 Sheppard, Morgan & Schwaab, Inc.
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 DESIGN FIRM # 184-000992

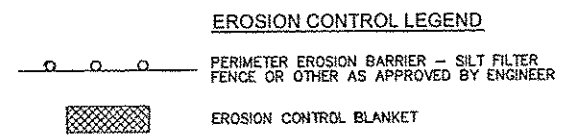
CITY OF ALTON, ILLINOIS
 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 GENERAL TRAFFIC CONTROL PLAN

CONTRACT NO.	97614
DWG. NO.	COLLEGE SW DETOUR.DWG
REF. BK.	PG.
JOB NO.	408831
DSN. BY:	DEG
DWN. BY:	CDP
CHK. BY:	DEG
DATE:	SEPTEMBER, 2015
SCALE:	1" = 200'
SHEET	11 OF 28



PERIMETER EROSION BARRIER SCHEDULE	
LOCATION	PERIMETER EROSION BARRIER (FEET)
1+00.66 TO 5+00 RT.	391
4+80 TO 8+20 LT.	340
8+00 TO 22+20 RT.	1,428
22+09 TO 26+84.01 LT.	481
TOTAL	2,640

EROSION CONTROL BLANKET SCHEDULE	
LOCATION	EROSION CONTROL BLANKET (SQ. YD.)
16+50 TO 21+00 LT.	1,473
24+00 TO 26+85 LT.	653
3+50 TO 5+00 RT.	86
OTHER AREAS AS NEEDED & DIRECTED BY THE ENGINEER	100
TOTAL	2,282



- EROSION CONTROL NOTES**
1. EROSION CONTROL ITEMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH SECTION 280 OF THE I.D.O.T. STANDARD SPECIFICATIONS.
 2. 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.
 3. 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.
 4. THIS EROSION CONTROL PLAN SUPPLEMENTS THE STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED FOR THIS PROJECT AND INCLUDED IN THE SPECIAL PROVISIONS.
 5. THE CONTRACTOR IS REQUIRED TO RETAIN A COPY OF THE SWPPP ON SITE AT ALL TIMES DURING CONSTRUCTION ACTIVITIES.
 6. CONSTRUCTION ENTRANCES SHALL BE STABILIZED WITH CRUSHED STONE TO PREVENT SEDIMENT FROM BEING TRACKED ONTO PUBLIC ROADWAYS. THIS WORK SHALL BE INCLUDED IN THE COST OF CONTRACT PAY ITEMS
 7. TEMPORARY SEEDING AND MULCH SHALL BE COMPLETED IN ACCORDANCE WITH THE SWPPP.

REVISIONS

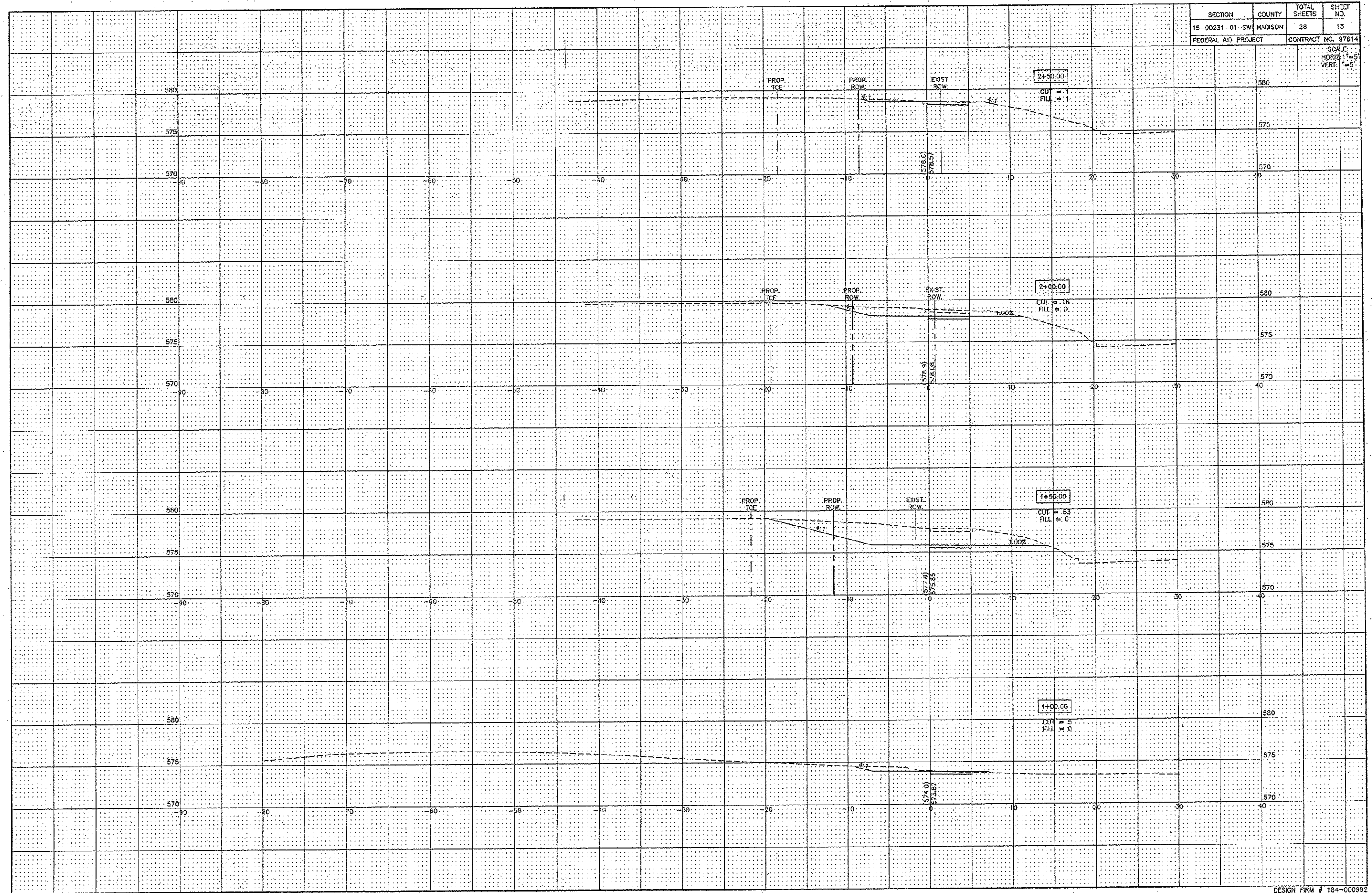
SMS Sheppard, Morgan & Schwaab, Inc.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 215 Market Street, P.O. Box E, Alton, IL 62002 618462-9755 E-mail: mail@smsmshpa.com
 DESIGN FIRM # 184-000992

CITY OF ALTON, ILLINOIS
 SECTION 15-00231-01-SW
 COLLEGE AVENUE SIDEWALK PROJECT
 EROSION CONTROL PLAN

CONTRACT NO. 97614
 DWG. NO. COLLEGE SW EROSION.DWG
 REF. BK. PG.
 JOB NO. 408931
 DSN. BY: DEG
 DWN. BY: CDP
 CHK. BY: DEG
 DATE: SEPTEMBER, 2015
 SCALE: 1" = 50'
 SHEET 12 OF 28

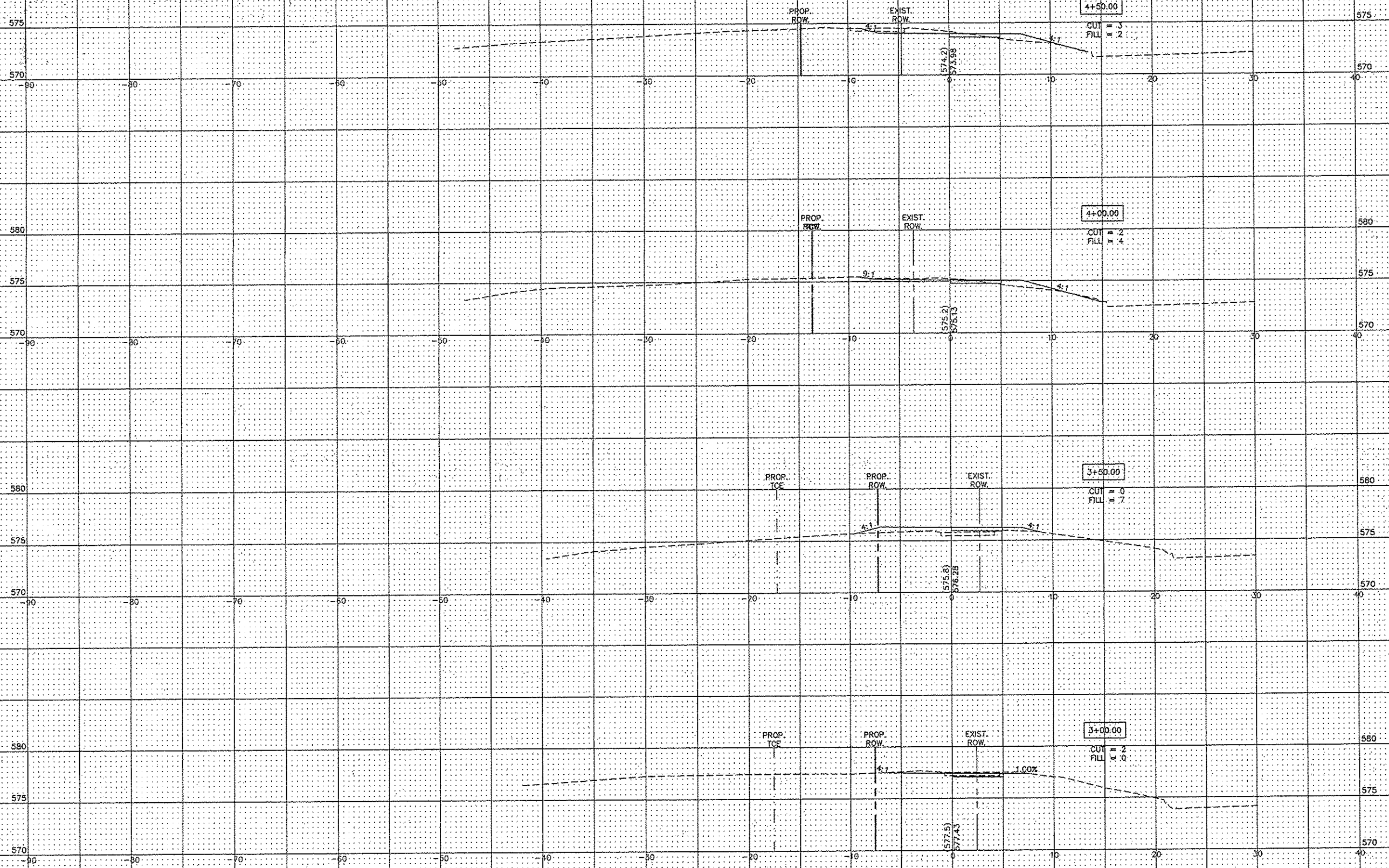
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	13
FEDERAL AID PROJECT		CONTRACT NO. 97614	

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



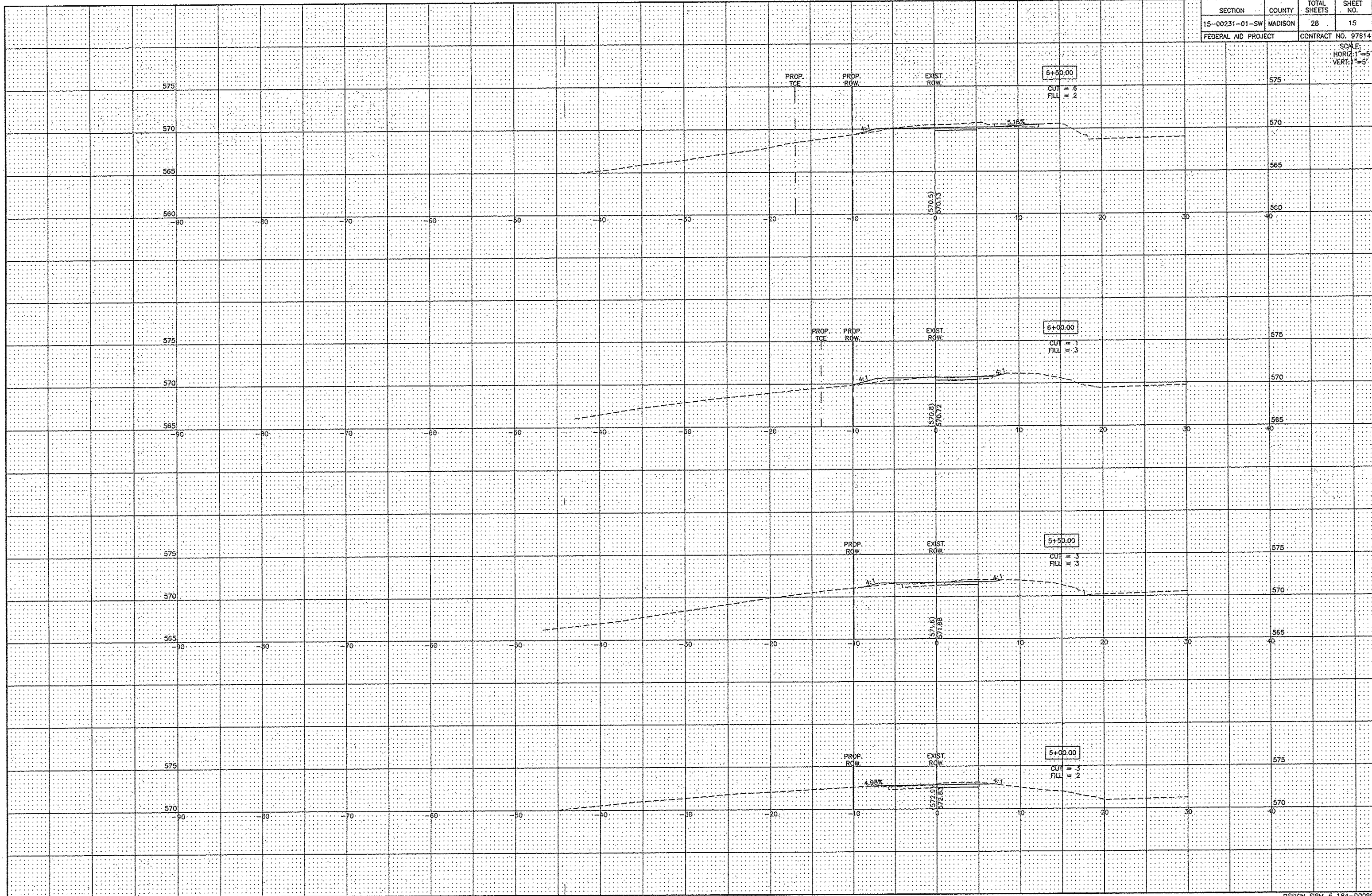
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15-00231-01-SW	MADISON	28	14
FEDERAL AID PROJECT		97614	

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



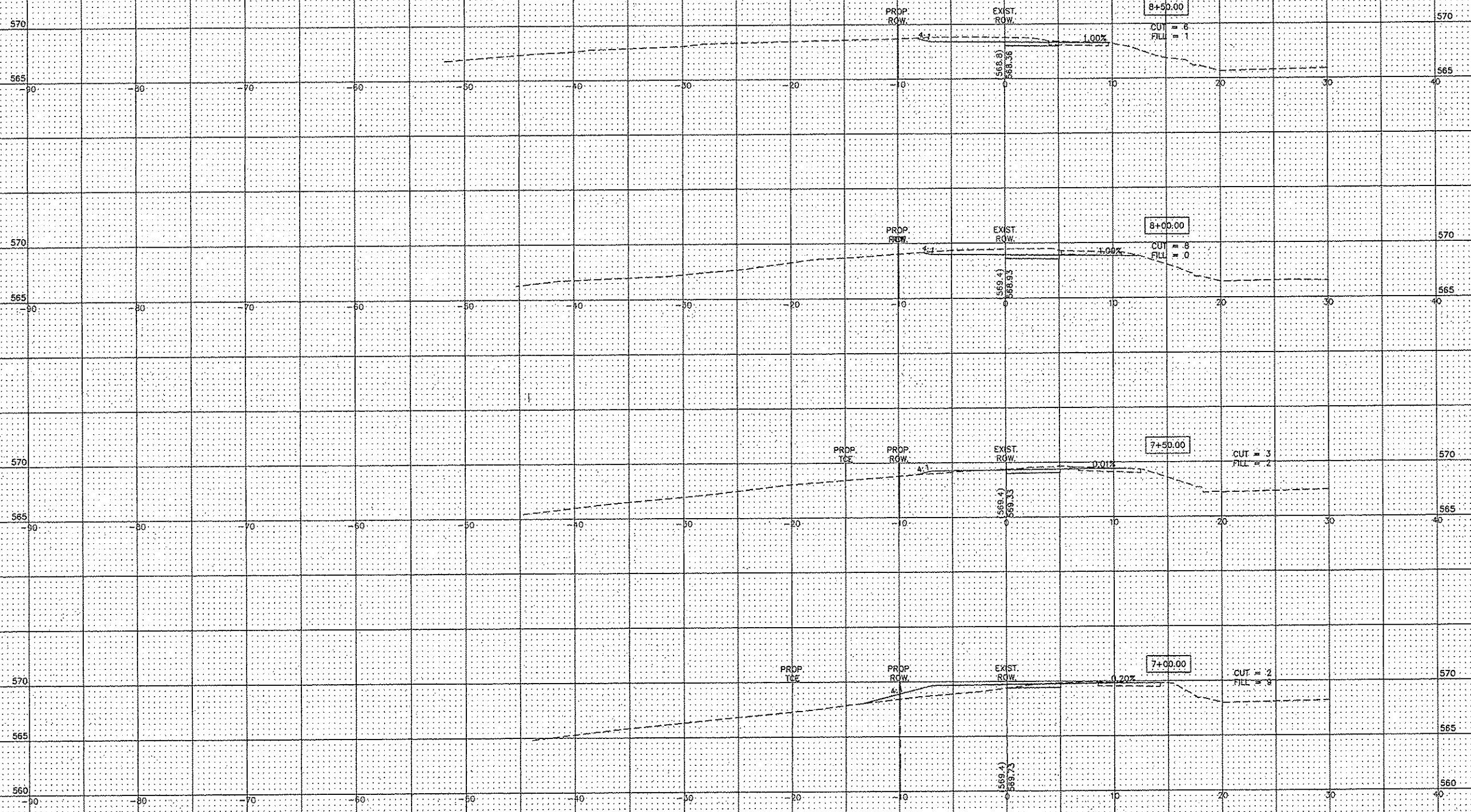
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15-00231-01-SW	MADISON	28	15
FEDERAL AID PROJECT		CONTRACT NO. 97614	

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



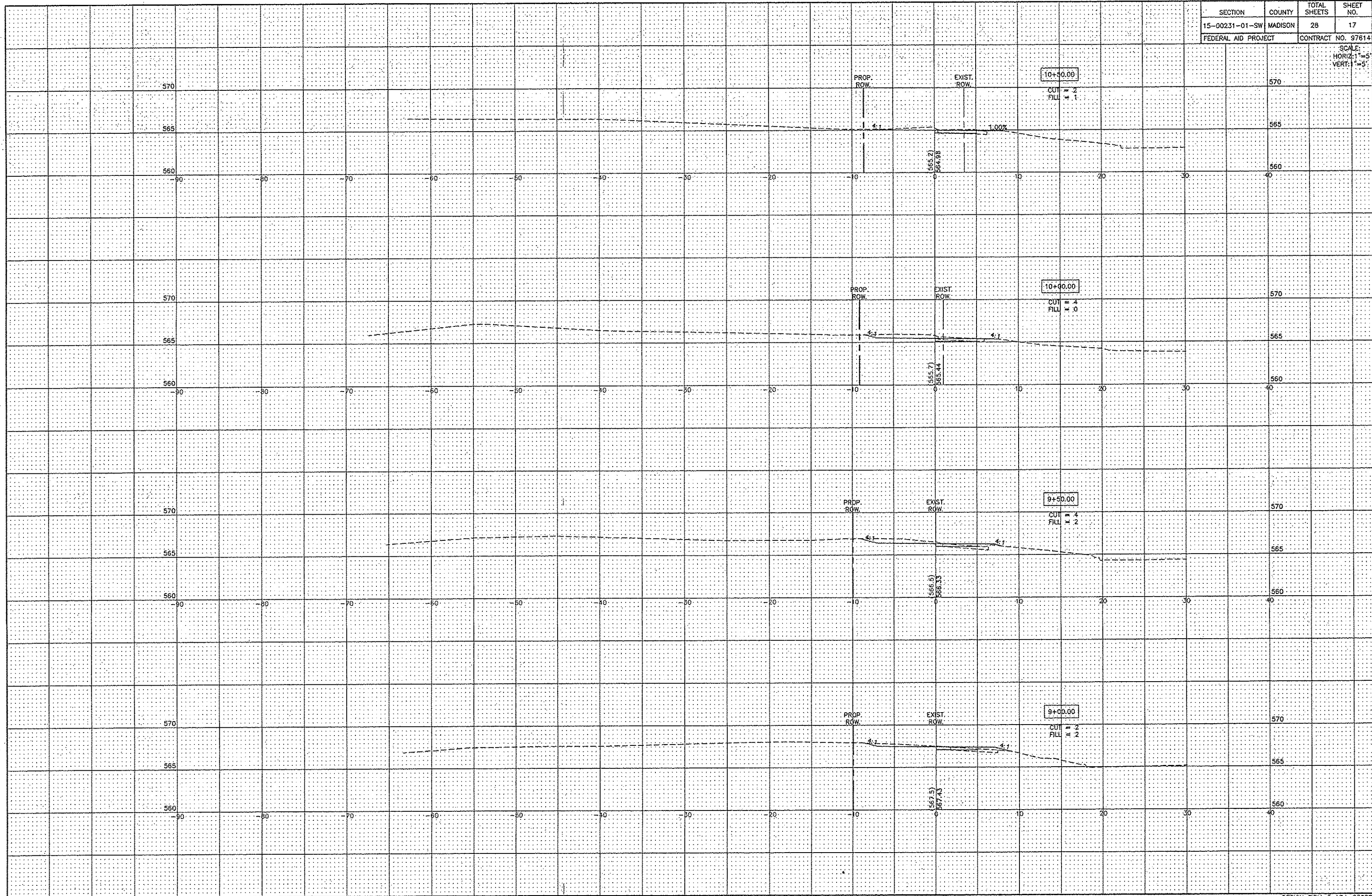
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15-00231-01-SW	MADISON	28	16
FEDERAL AID PROJECT		CONTRACT NO. 97614	

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



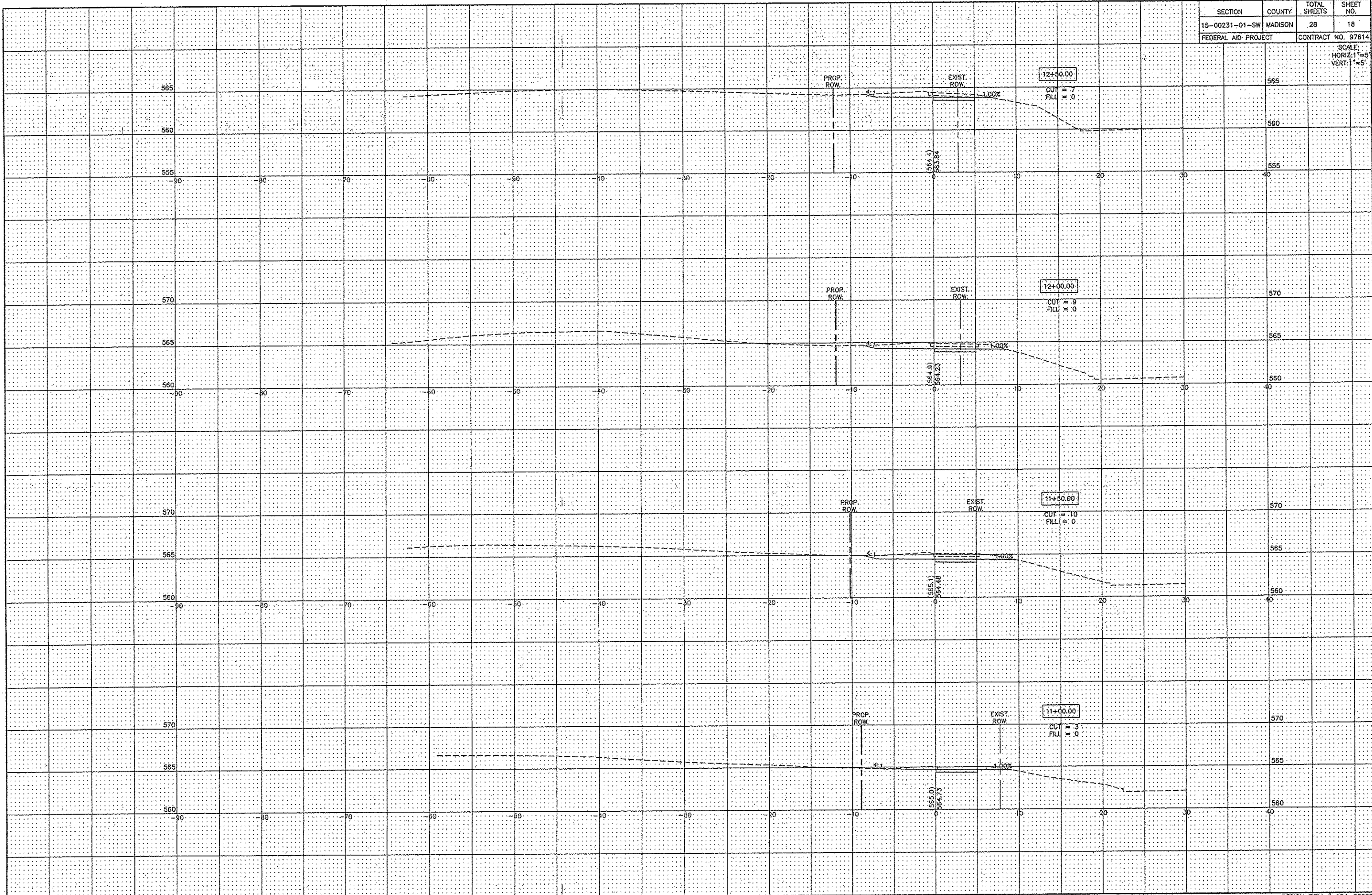
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	17
FEDERAL AID PROJECT		CONTRACT NO. 97814	

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

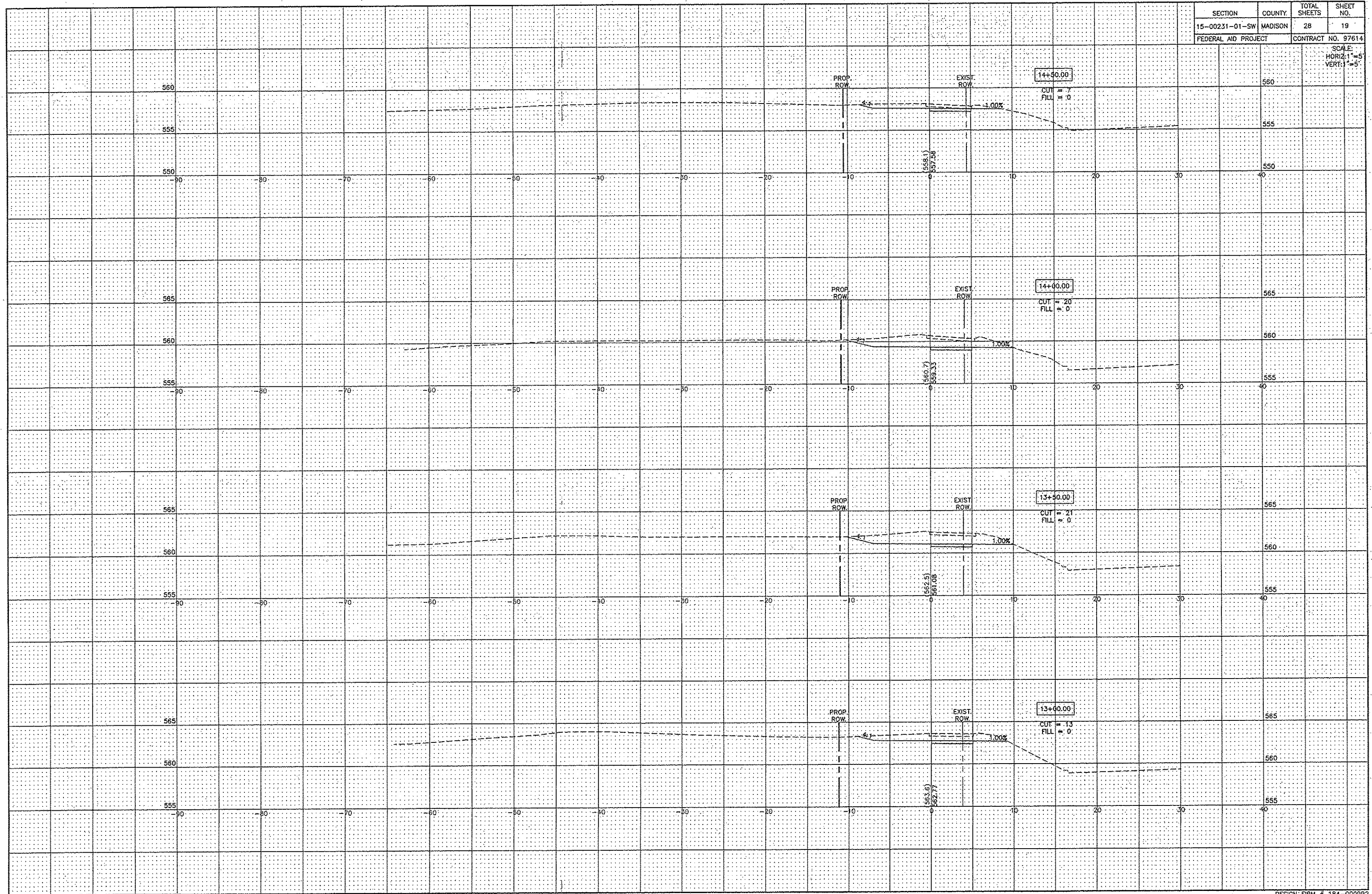


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	18
FEDERAL AID PROJECT		CONTRACT NO. 97614	

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

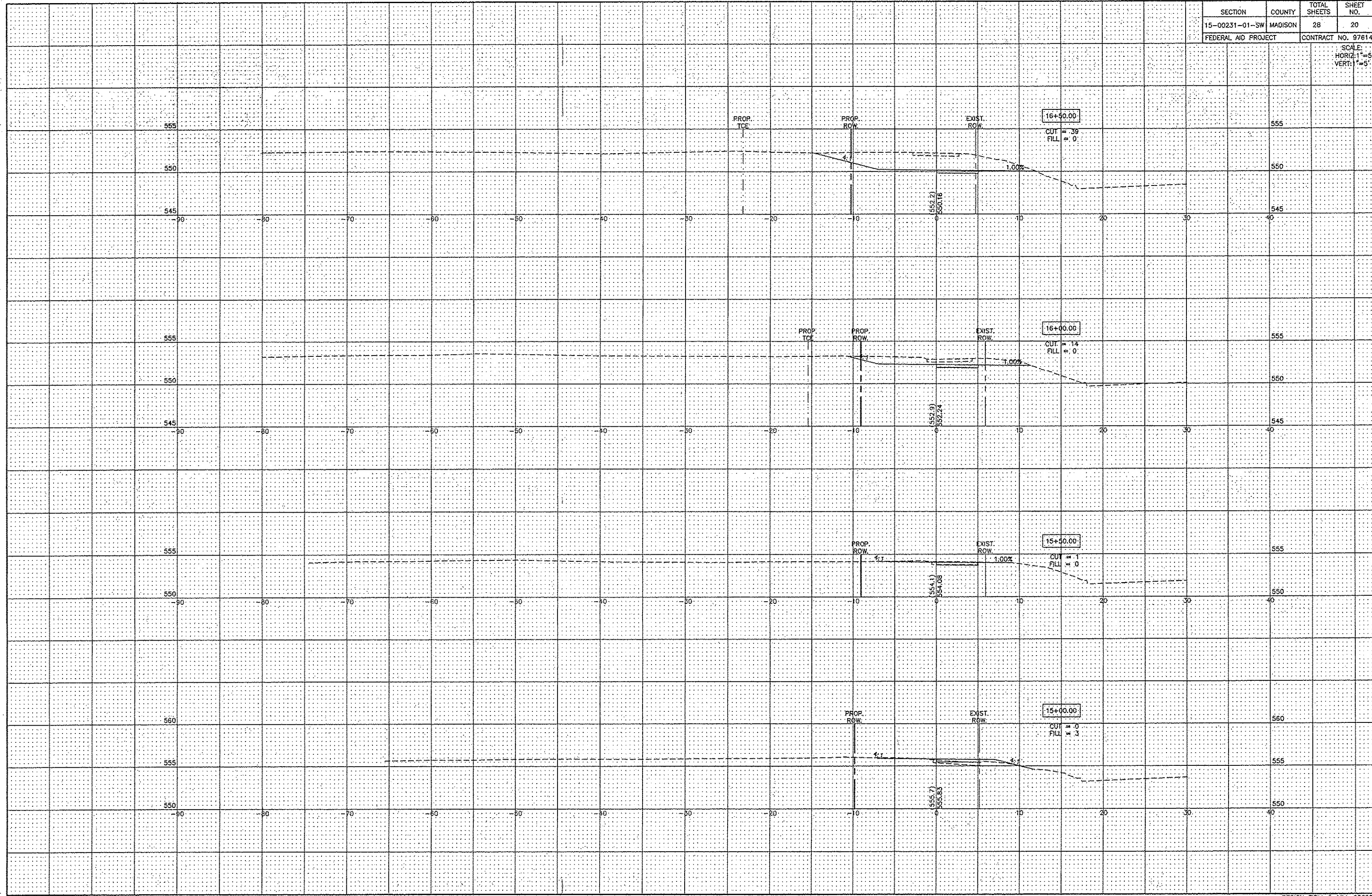


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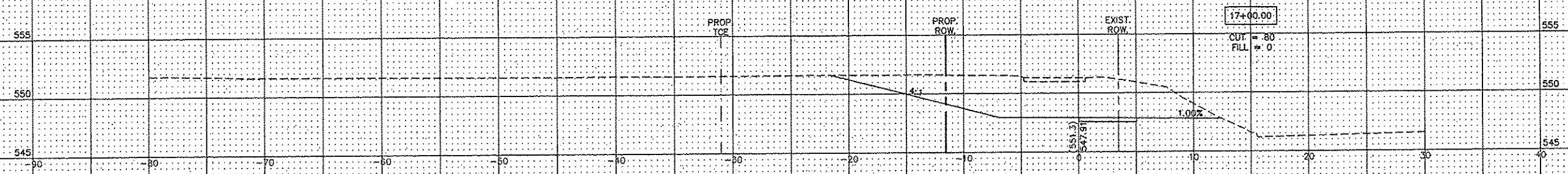
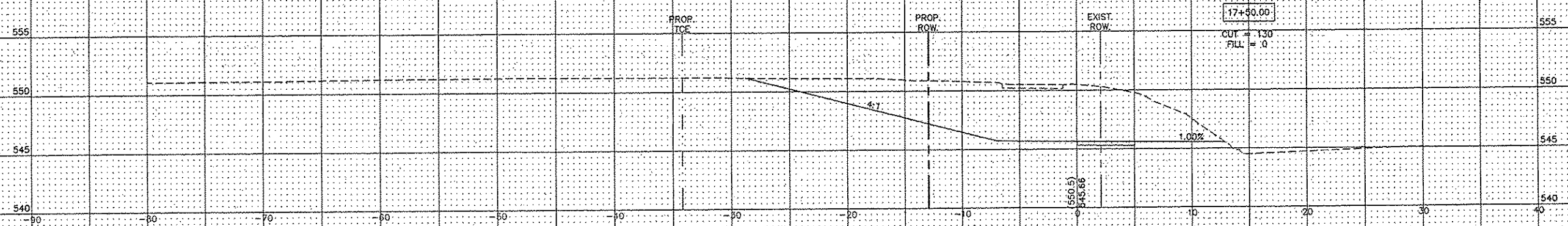
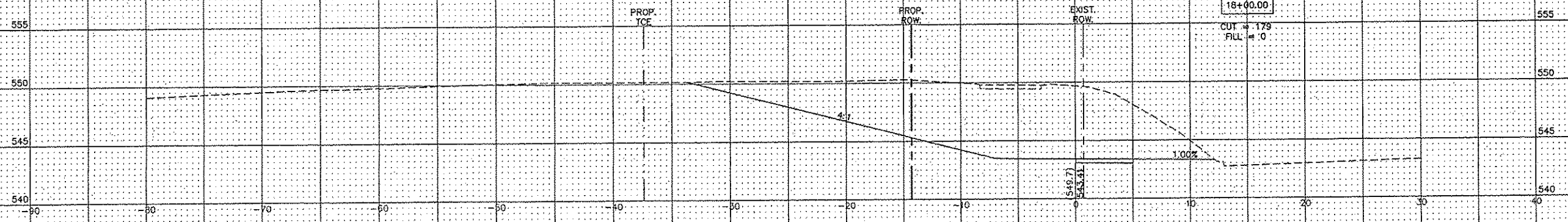
SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	20
FEDERAL AID PROJECT		CONTRACT NO. 97614	

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

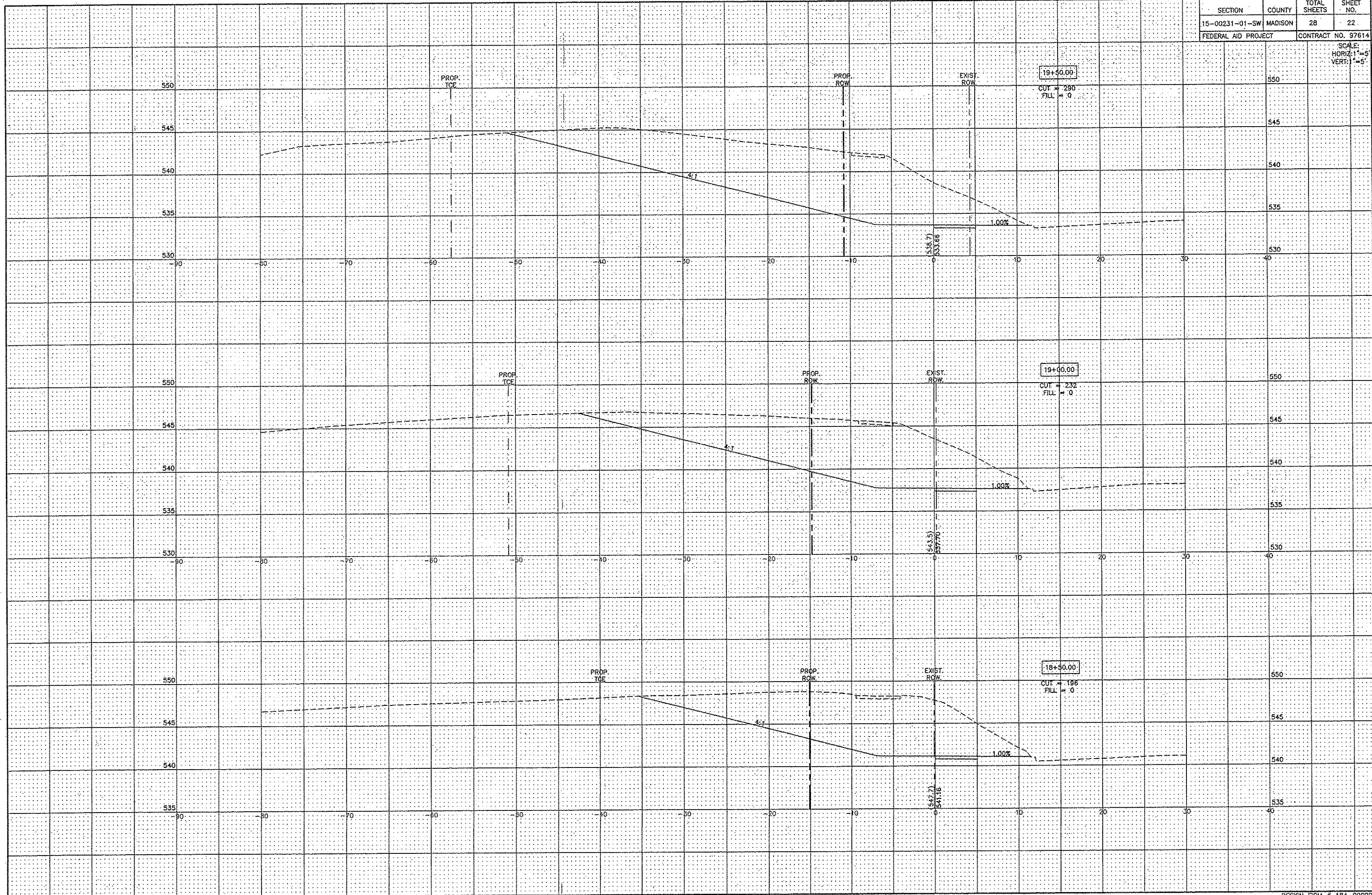


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	21
FEDERAL AID PROJECT		CONTRACT NO. 97814	

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



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



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	23
FEDERAL AID PROJECT		CONTRACT NO. 97814	

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

530

525

520

515

-90

-80

-70

-60

-50

-40

-30

-20

-10

0

10

20

30

40

PROP.
TCE

PROP.
ROW

EXIST.
ROW

21+00.00

CUT = 114
FILL = 0

530

525

520

515

527.3

522.9

4:1

1.00%

540

535

530

525

520

-90

-80

-70

-60

-50

-40

-30

-20

-10

0

10

20

30

40

PROP.
TCE

PROP.
ROW

EXIST.
ROW

20+80.00

CUT = 331
FILL = 0

540

535

530

525

520

531.5

527.1

4:1

1.00%

545

540

535

530

525

-90

-80

-70

-60

-50

-40

-30

-20

-10

0

10

20

30

40

PROP.
TCE

PROP.
ROW

EXIST.
ROW

20+00.00

CUT = 319
FILL = 0

545

540

535

530

525

534.9

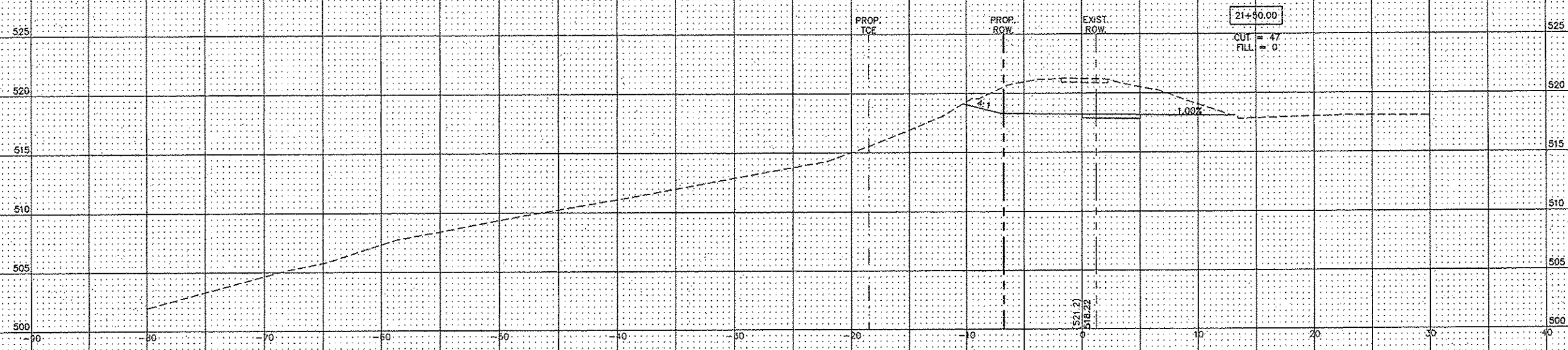
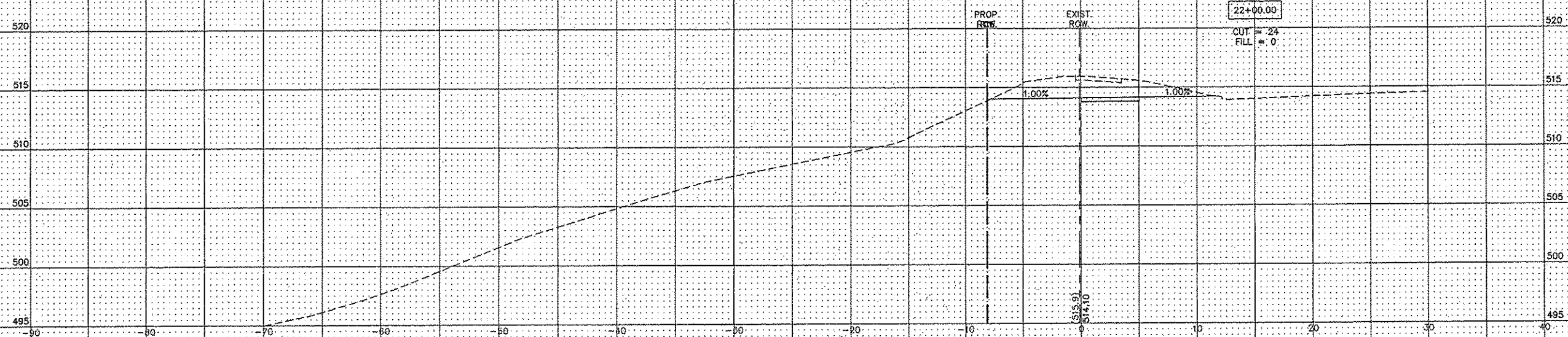
529.59

4:1

1.00%

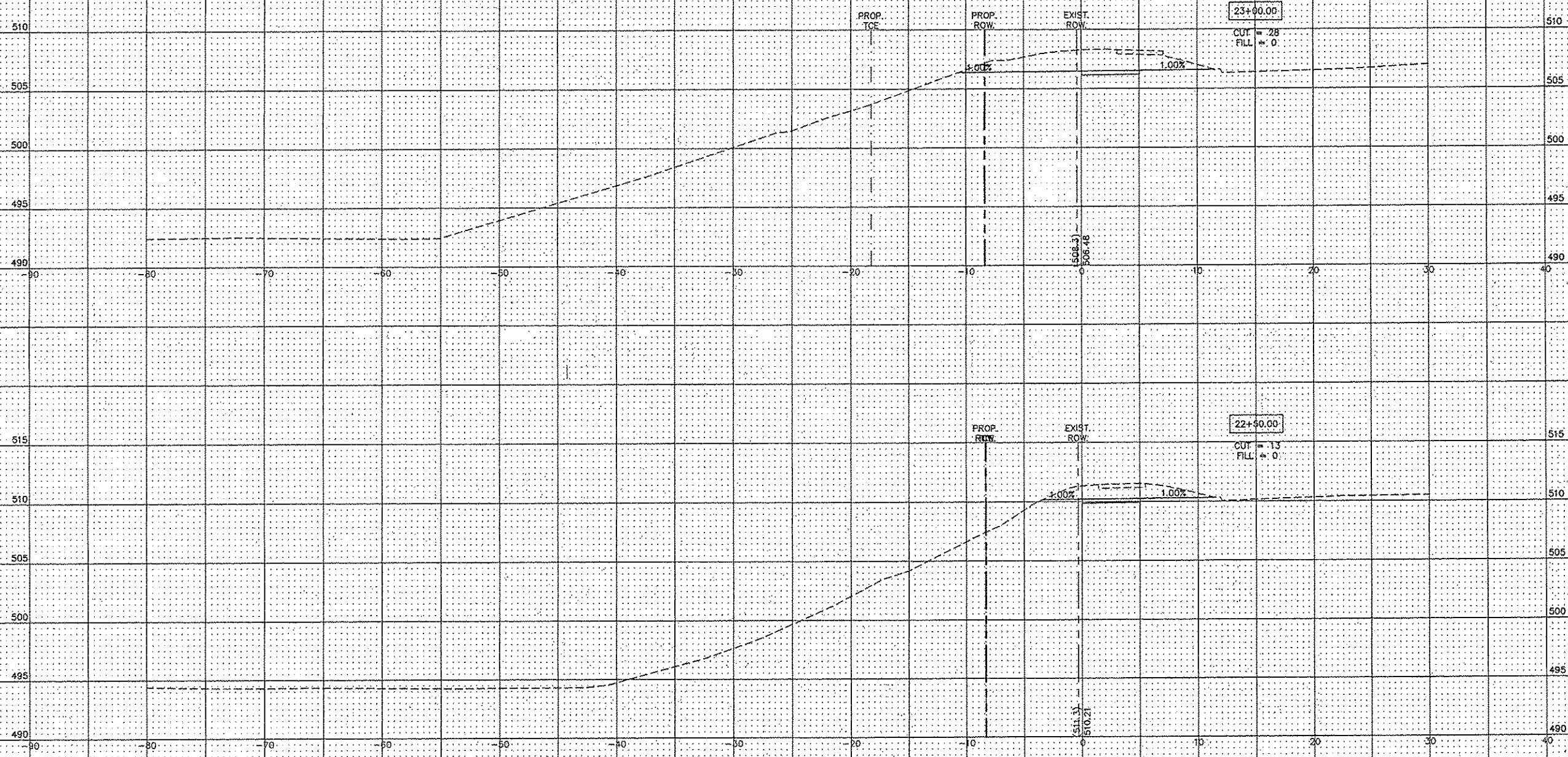
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15-00231-01-SW	MADISON	28	24
FEDERAL AID PROJECT		CONTRACT NO. 97614	

SCALE:
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VERT: 1"=5'



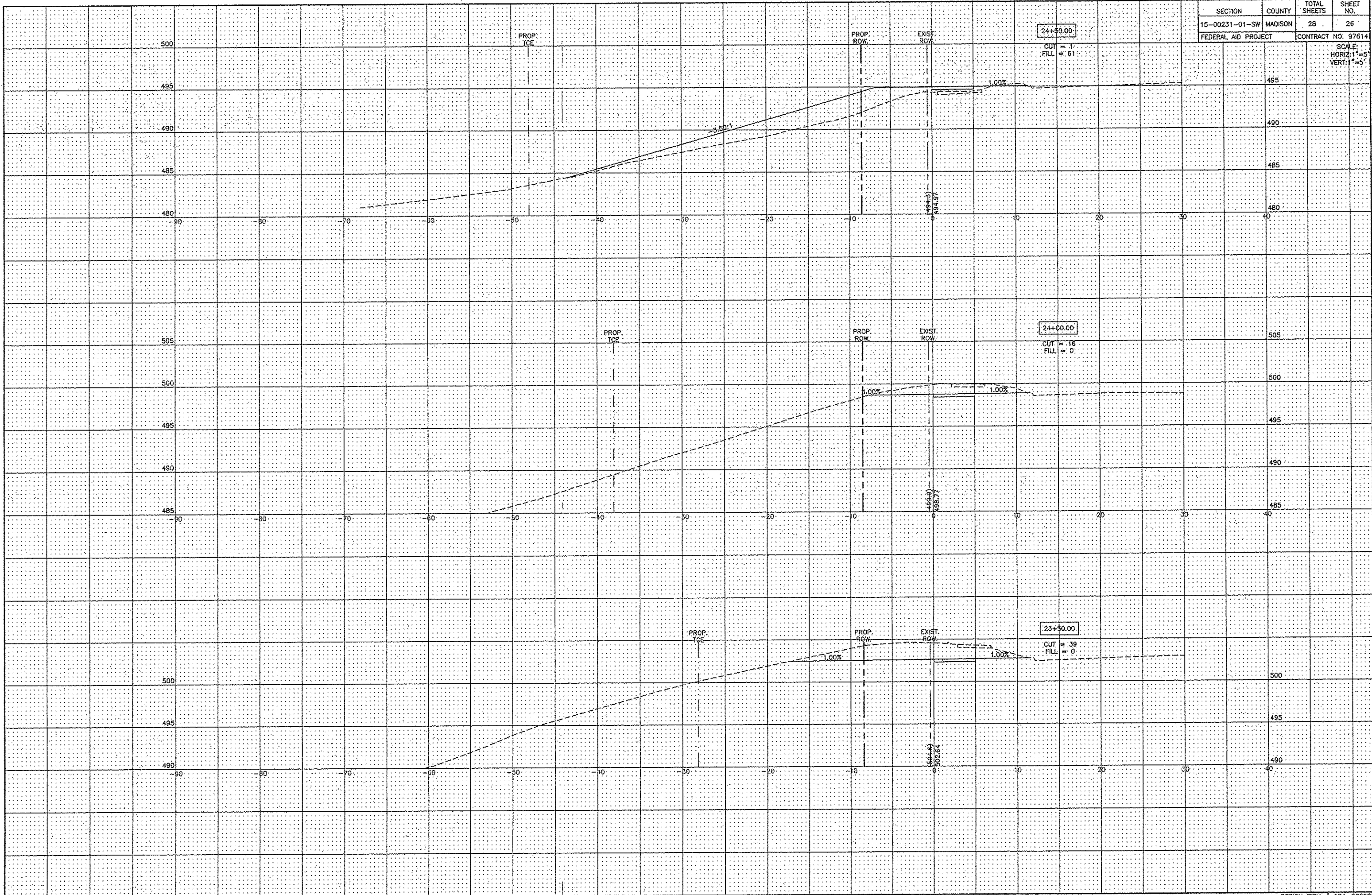
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15-00231-01-SW	MADISON	28	25
FEDERAL AID PROJECT		CONTRACT NO. 97614	

SCALE:
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VERT: 1"=5'



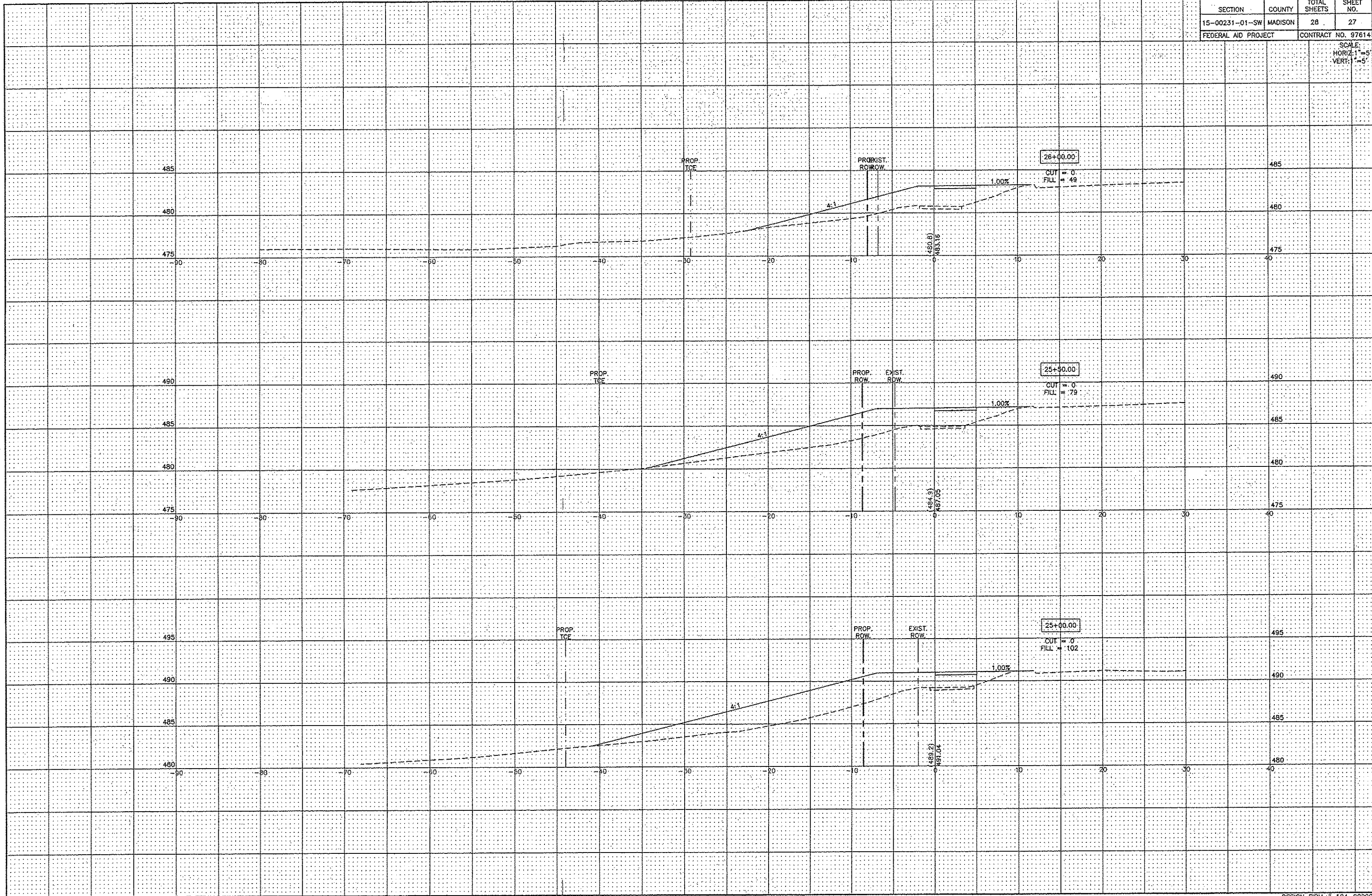
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15-00231-01-SW	MADISON	28	26
FEDERAL AID PROJECT		CONTRACT NO. 97614	

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



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	27
FEDERAL AID PROJECT		CONTRACT NO. 97614	

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



SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
15-00231-01-SW	MADISON	28	28
FEDERAL AID PROJECT		CONTRACT NO. 97614	

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

