


SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
18-00047-03-LS	MADISON	50	1
FEDERAL AID PROJECT		CONTRACT NO. 97704	

\* FAU ROUTE 8971  
WOOD RIVER STREETScape PHASE 2

CONTACT JULIE AT 811  
OR 800-892-0123  
With the following:  
County WOOD RIVER  
City / Township CITY OF WOOD RIVER  
NE. 1/4 SEC. 28 T.5N., R.9W.  
NW. 1/4 SEC. 27 T.5N., R.9W.  
48 HOURS (2 working days) BEFORE YOU DIG



# PLANS FOR PROPOSED HIGHWAY IMPROVEMENT

## ILLINOIS TRANSPORTATION ENHANCEMENT PROGRAM FUNDS

### CITY OF WOOD RIVER

#### FAU ROUTE 8971 (FERGUSON AVE.)

### WOOD RIVER STREETScape PHASE 2

SECTION 18-00047-03-LS

MADISON COUNTY

PROJECT VMYM (386)

JOB NO. C-98-021-21

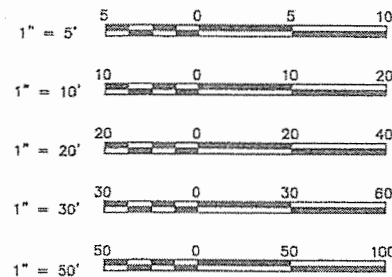
#### INDEX OF SHEETS

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- 18-21 PAVEMENT MARKING PLANS
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#### IDOT HIGHWAY STANDARDS

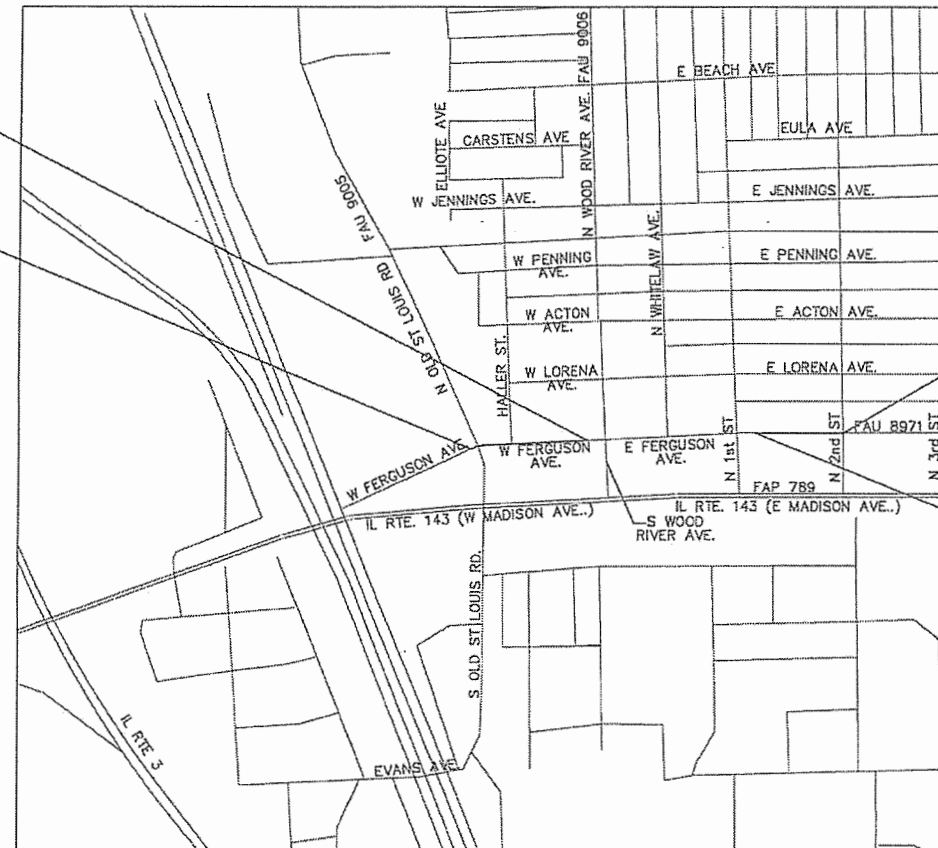
- 000001-07
- 353001-05
- 420001-09
- 420701-03
- 424001-11
- 424016-05
- 606001-07
- 606301-04
- 701501-06
- 701801-06
- 701901-08
- 720006-04
- 720011-01
- 729001-01
- 780001-05

#### SCALES



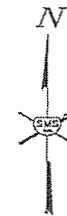
FULL SIZE PLANS HAVE BEEN PREPARED USING STANDARD ENGINEERING SCALES. REDUCED SIZED PLANS WILL NOT CONFORM TO STANDARD SCALES. IN MAKING MEASUREMENTS ON REDUCED PLANS THE ABOVE SCALES MAY BE USED.

DESIGN DESIGNATION: MAJOR COLLECTOR  
ADT: 1,900 (FERGUSON AVE.) (2016)  
4,350 (WOOD RIVER AVE.) (2016)



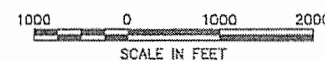
END OMISSION  
STA 14+67.00  
FERGUSON AVE.

SECTION ENDS  
STA 21+19.74

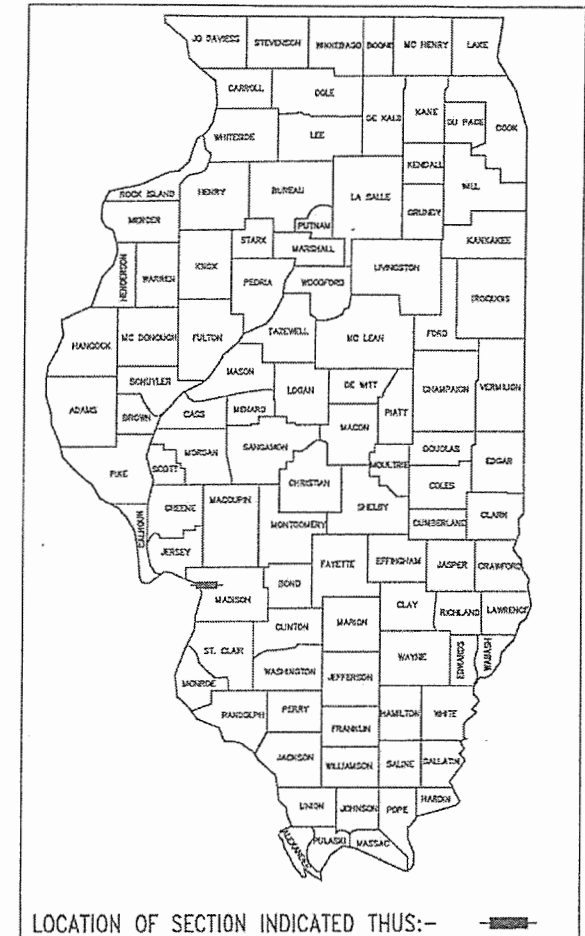


SECTION BEGINS  
STA 0+50.00

BEGIN OMISSION  
STA 5+73.00  
FERGUSON AVE.



GROSS LENGTH FERGUSON AVE. = 2069.74 FT (0.392 MILES)  
OMISSION LENGTH = 894 FT (0.169 MILES)  
TOTAL LENGTH = 1175.74 FT (0.223 MILES)



STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

APPROVED: Cheryl Maguire 5-30 2019  
MAYOR

PASSED: Chris Adams May 31 2019  
DISTRICT 8 ENGINEER OF LOCAL ROADS & STREETS

RELEASING FOR BID  
BASED UPON LIMITED  
REVIEW: Verth Roberts May 31 2019  
REGION FIVE ENGINEER

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



DATE SIGNED 5/30/19  
EXPIRATION DATE 11/30/19

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

GENERAL NOTES

1. ILLINOIS STATE LAW REQUIRES 48 HOURS NOTICE BE GIVEN TO ALL UTILITIES BEFORE DIGGING. FIELD MARKING OF FACILITIES MAY ALSO BE OBTAINED BY CONTACTING J.U.L.I.E. MEMBERS AND FOR NON-J.U.L.I.E. MEMBERS, THE UTILITY COMPANIES DIRECTLY. AGENCIES KNOWN TO HAVE FACILITIES WITHIN THE PROJECT AREA ARE AS FOLLOWS:
 

*CITY OF WOOD RIVER	WATER AND SEWER	111 NORTH WOOD RIVER AVE. WOOD RIVER, IL 62095
*AMEREN IP	GAS AND ELECTRIC	2600 NORTH CENTER PO BOX 378 MARYVILLE, IL 62062
*CHARTER COMMUNICATIONS	CABLE	4676 SIGNATURE INDUSTRIAL DRIVE EDWARDSVILLE, IL 62025
*ATT/DISTRIBUTION	COMMUNICATION	203 GOETHE FLOOR 2 COLLINSVILLE, IL 62234

MEMBERS OF J.U.L.I.E. (800) 892-0123 ARE INDICATED BY \*  
NON J.U.L.I.E. MEMBERS MUST BE NOTIFIED INDIVIDUALLY.
2. ANY EXCAVATION OR OPEN TRENCH ADJACENT TO THE TRAFFIC LANES SHALL BE PROTECTED WITH EXTENDED LEG BARRICADES AND APPROPRIATE LIGHTS.
3. THE NEED FOR SEEDING IS NOT ANTICIPATED FOR THIS PROJECT. IN THE EVENT THAT EARTH SURFACES ARE DISTURBED WITHIN THE LIMITS OF EXISTING RIGHT OF WAY OR TEMPORARY EASEMENTS, SEEDING AND FERTILIZING WILL BE DONE TO THE SATISFACTION OF THE ENGINEER AND COST INCLUDED IN THE COST OF THE CONTRACT. IN THE EVENT OF DISTURBED EARTH SURFACES OUTSIDE THE LIMITS OF EXISTING RIGHT OF WAY OR TEMPORARY EASEMENTS, SEEDING AND FERTILIZING WILL BE DONE TO THE SATISFACTION OF THE ENGINEER AND COSTS ARE THE RESPONSIBILITY OF THE CONTRACTOR.
4. ACCESS TO ALL PUBLIC, PRIVATE, AND COMMERCIAL PROPERTIES SHALL BE MAINTAINED AT ALL TIMES. ENTRANCES SHALL BE CONSTRUCTED IN HALF WIDTHS AS NECESSARY, OR IF PROPERTY IS ACCESSED BY MORE THAN ONE ENTRANCE, ONE CAN BE CLOSED.
5. PEDESTRIAN ACCESS TO ALL OCCUPIED BUILDINGS THROUGHOUT THE PROJECT SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL PROVIDE ACCESS BY USE OF AGGREGATE FOR FILLING IN VOIDS TEMPORARILY OR BRIDGES TO SPAN VOIDS AND CONCRETE POURS TEMPORARILY. AGGREGATE OR THE USE OF TEMPORARY BRIDGES SHALL MEET THE APPROVAL OF THE ENGINEER AND THE COSTS SHALL BE CONSIDERED AS INCLUDED IN THE OTHER ITEMS OF WORK.
6. THE RECONSTRUCTION OF EXISTING DRIVEWAYS, SIDEWALK, PAVEMENT, CURB AND GUTTER, AS WELL AS OTHER MISCELLANEOUS ITEMS MAY REQUIRE EXCAVATIONS OR AGGREGATE FILL MATERIAL DURING LEVELING TO ESTABLISH THE SUBGRADE OR FORMING FOR THE VARIOUS RECONSTRUCTION OPERATIONS FOR THIS PROJECT. ALL EXCAVATIONS OR AGGREGATE FILL UTILIZED FOR THE RECONSTRUCTION OF THE VARIOUS ITEMS WILL NOT BE PAID FOR SEPARATELY BUT CONSIDERED AS INCLUDED IN THE COST OF THE VARIOUS ITEMS OF WORK.
7. THESE PLANS MAY INCLUDE REFERENCE TO PHASE 1 CONSTRUCTION. THESE REFERENCES SHALL BE INTERPRETED AS BEING PERFORMED BY OTHERS.
8. ALL EXISTING STREET SIGNS LOCATED ALONG FERGUSON AVENUE WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND STOCKPILED AT A LOCATION DIRECTED BY THE ENGINEER UNTIL THEY ARE TO BE RE-ERECTED. COSTS FOR SIGN STOCK PILING ARE TO BE INCLUDED IN REMOVE SIGN PANEL ASSEMBLY, TYPE A.
9. PAVEMENT RECONSTRUCTION OPERATIONS MAY REQUIRE ADJUSTMENT OF TRAFFIC CONTROL DURING NON-WORKING HOURS IN ORDER TO ACCOMMODATE TRAFFIC MOVEMENTS. THIS MAY REQUIRE PLACEMENT OF AGGREGATE TO FACILITATE THESE MOVEMENTS AS DIRECTED BY THE ENGINEER. COST OF AGGREGATE REQUIRED SHALL BE INCLUDED IN THE ITEMS INVOLVED IN PAVEMENT RECONSTRUCTION.
10. THE SOURCE OF SUPPLY AND QUALITY REQUIREMENTS FOR METAL MATERIALS AND APPLICATION OF COATINGS. GALVANIZING, ETC. SHALL BE ACCORDING TO ARTICLE 106.01 OF STANDARD SPECIFICATIONS.

COMMITMENTS

NONE

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

**ENGINEERS**

215 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

**WOOD RIVER STREETScape**  
**GENERAL NOTES**

CONTRACT NO. 97704	
REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	
SCALE: NOT TO SCALE	
SHEET 2 OF 50	

CONSTRUCTION TYPE CODE		0028	
CODE NO.	ITEM	UNIT	QUANTITY
35300510	PORTLAND CEMENT CONCRETE BASE COURSE 10 1/2"	SQ YD	8
40600290	BITUMINOUS MATERIALS (TACK COAT)	POUND	113
40603315	HOT-MIX ASPHALT SURFACE COURSE, MIX "C", N70	TON	50
40800050	INCIDENTAL HOT-MIX ASPHALT SURFACING	TON	3
42000060	WELDED WIRE REINFORCEMENT	SQ YD	8
42300400	PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT, 8 INCH	SQ YD	183
42400100	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH	SQ FT	8,546
42400800	DETECTABLE WARNINGS	SQ FT	95
44000100	PAVEMENT REMOVAL	SQ YD	8
44000157	HOT-MIX ASPHALT SURFACE REMOVAL, 2"	SQ YD	259
44000200	DRIVEWAY PAVEMENT REMOVAL	SQ YD	183
44000500	COMBINATION CURB AND GUTTER REMOVAL	FOOT	195
44000600	SIDEWALK REMOVAL	SQ FT	12,387
* 50901760	PIPE HANDRAIL	FOOT	14
60605000	COMBINATION CONCRETE CURB AND GUTTER, TYPE B-6.24	FOOT	180
67100100	MOBILIZATION	L SUM	1
70102620	TRAFFIC CONTROL AND PROTECTION, STANDARD 701501	L SUM	1
70102640	TRAFFIC CONTROL AND PROTECTION, STANDARD 701801	L SUM	1
70300100	SHORT TERM PAVEMENT MARKING	FOOT	136
70300150	SHORT TERM PAVEMENT MARKING REMOVAL	SQ FT	46
70300260	TEMPORARY PAVEMENT MARKING - LINE 12"	FOOT	741
70300280	TEMPORARY PAVEMENT MARKING - LINE 24"	FOOT	136
* 72000100	SIGN PANEL - TYPE 1	SQ FT	33
72400100	REMOVE SIGN PANEL ASSEMBLY, TYPE A	EACH	19
* 72400500	RELOCATE SIGN PANEL ASSEMBLY - TYPE A	EACH	12
* 72900100	METAL POST - TYPE A	FOOT	102
* 72900200	METAL POST - TYPE B	FOOT	120
73400100	CONCRETE FOUNDATIONS	CU YD	8
* 78000600	THERMOPLASTIC PAVEMENT MARKING - LINE 12"	FOOT	741
* 78000650	THERMOPLASTIC PAVEMENT MARKING - LINE 24"	FOOT	136
X0326020	UTILITY PROTECTION PAD	SQ YD	35
* X7330064	SIGN SUPPORT SPECIAL	EACH	8
* X0326859	PAVEMENT IMPRINTING	SQ YD	243
X4240420	PORTLAND CEMENT CONCRETE SIDEWALK 4 INCH, SPECIAL	SQ FT	4,455
* X7333095	OVERHEAD SIGN STRUCTURE - SPAN (SPECIAL)	FOOT	56

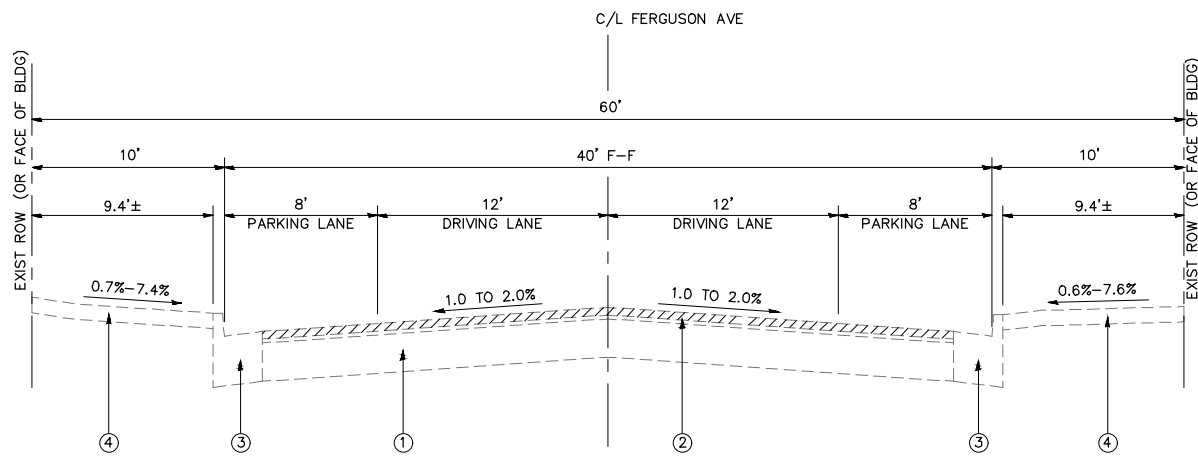
\* DENOTES SPECIALTY ITEM

REVISIONS									
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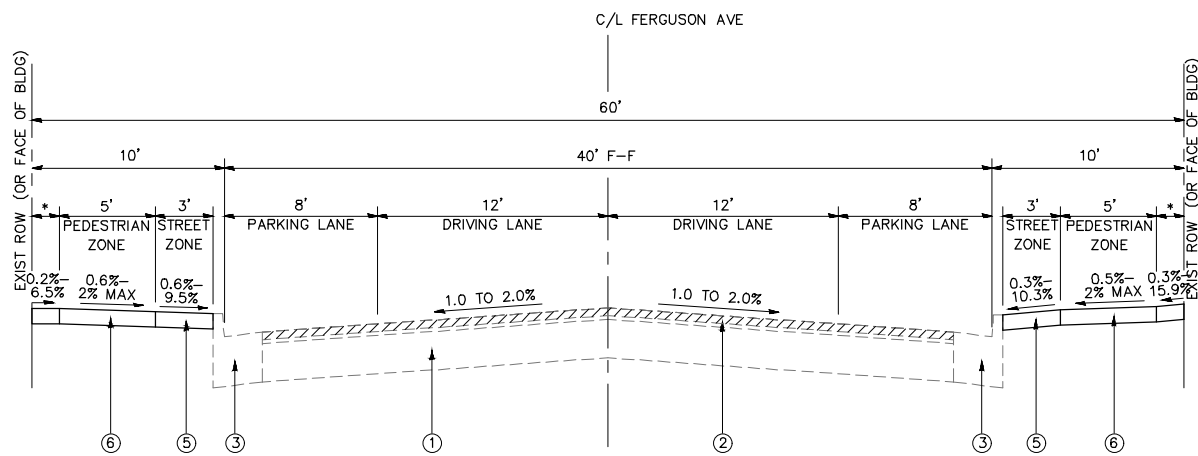
**SMS ENGINEERS**  
Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
215 Market Street, Alton, IL 62002 618/462-2755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992

WOOD RIVER STREETSCAPE  
SUMMARY OF QUANTITIES

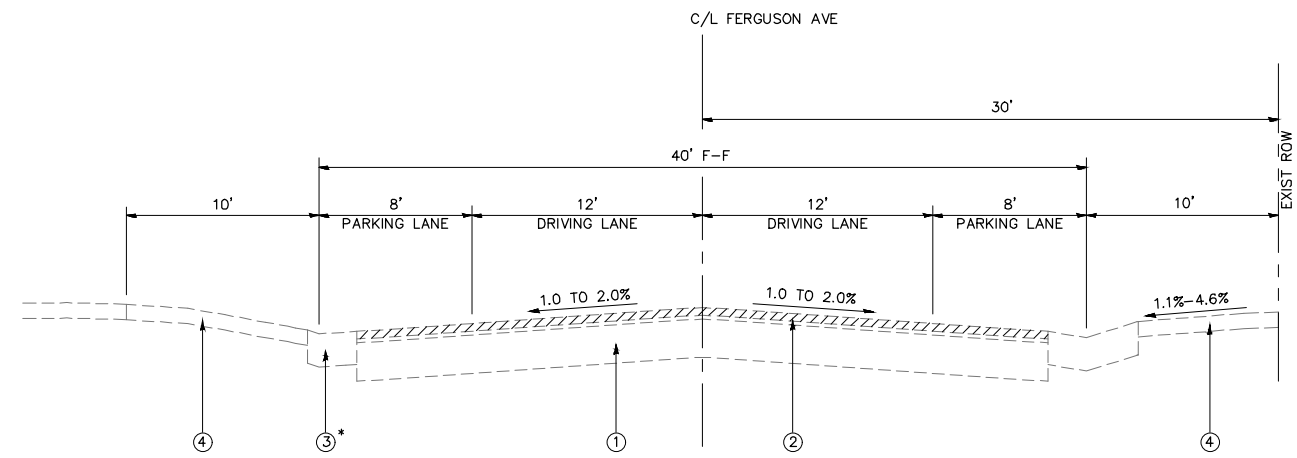
CONTRACT NO.	97704
REF. BK.	PG.
JOB NO.	489806
DSN. BY:	CAS
DWN. BY:	CAD
CHK. BY:	CAS
DATE:	MAY, 2019
SCALE:	NONE
SHEET	3 OF 50



EXISTING TYPICAL SECTION  
STA 0+50 TO STA 5+73  
STA 14+67 TO STA 21+19.74



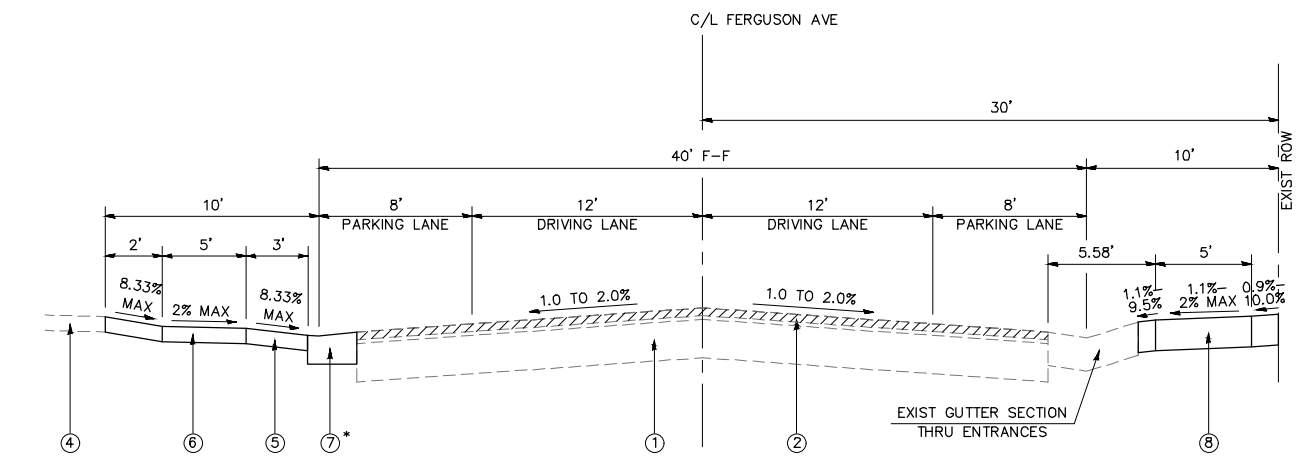
PROPOSED TYPICAL SECTION  
STA 0+50 TO STA 5+73  
STA 14+67 TO STA 21+19.74  
\* COMMERCIAL ZONE  
SEE CROSS SECTIONS  
FOR VARIABLE SLOPES



EXISTING SECTION DETAIL  
THRU CURB RAMP (TYP.)

EXISTING SECTION DETAIL  
THRU ENTRANCES (TYP.)

\* EXISTING AND PROPOSED COMBINATION  
CURB AND GUTTER, TYPE B-6.24 IS DEPRESSED  
WITHIN LIMITS OF CURB RAMP.



PROPOSED SECTION DETAIL  
THRU CURB RAMP (TYP.)

PROPOSED SECTION DETAIL  
THRU ENTRANCES (TYP.)

SEE CROSS SECTIONS  
FOR VARIABLE SLOPES  
AND STATIONING

MIX DESIGNS		
MIXTURE USE	SURFACE	INCIDENTAL
AC/PG	PG 64-22	PG 64-22
MAX. RAP %	*	*
DESIGN AIR VOIDS	4% @ N <sub>DES</sub> = 70	4% @ N <sub>DES</sub> = 70
MIX COMPOSITION (GRADATION MIXTURE)	IL-9.5 OR IL-12.5	----
FRICITION AGG.	MIX C	MIX C
*SEE SPECIAL PROVISIONS		

LEGEND

- ① EXISTING PAVEMENT STRUCTURE, 10-1/2"
- ② EXISTING HOT MIX ASPHALT, 2"
- ③ EXISTING COMBINATION CURB & GUTTER, TYPE B-6.24
- ④ EXISTING CONCRETE SIDEWALK
- ⑤ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 4" SPECIAL
- ⑥ PROPOSED PORTLAND CEMENT CONCRETE SIDEWALK 4"
- ⑦ PROPOSED COMBINATION CURB & GUTTER, TYPE B-6.24
- ⑧ PROPOSED PORTLAND CEMENT CONCRETE DRIVEWAY PAVEMENT 8"

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

WOOD RIVER STREETSCAPE  
TYPICAL SECTIONS - PHASE 2

CONTRACT NO. 97704	
REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CDD	
DWN. BY: CAD	
CHK. BY: CDD	
DATE: MAY, 2019	
SCALE: 1" = 10' HORZ. 1" = 5' VERT.	
SHEET 4 OF 50	



BEGIN PHASE 2  
STA 0+50.00  
FERGUSON AVE

STA. 56+55.58 2ND ST. =  
STA. 1+00.00 E. FERGUSON AVE.

BEGIN OMISSION  
STA 5+73.00  
FERGUSON AVE

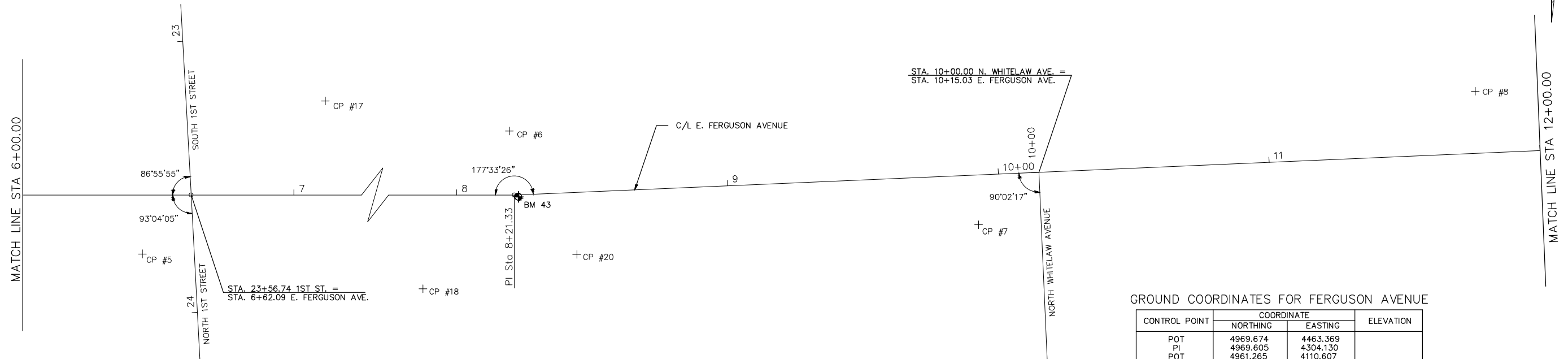
BENCHMARK # 42  
CUT "X" ON NORTH RIM OF A MANHOLE LID  
14' SOUTH OF THE ~ OF E. FERGUSON AVE. AND  
243' EAST OF THE ~ OF FIRST STREET IN FRONT  
OF RIVERBEND FAMILY MINISTRIES BUILDING  
#131 EAST FERGUSON AVENUE.  
STA 4+18.81 OFFSET 13.617' LT  
ELEV 433.37

GROUND COORDINATES FOR FERGUSON AVENUE

CONTROL POINT	COORDINATE		ELEVATION
	NORTHING	EASTING	
POT 1	4969.919	5025.458	441.79
1	5000.000	5000.000	438.77
2	4947.407	4894.113	436.11
3	4999.923	4800.335	432.99
4	4946.228	4647.756	434.38
14	4942.052	4725.662	434.38
16	4944.457	4546.292	432.55

NO.	DESCRIPTION

**SMS ENGINEERS**  
Sheppard, Morgan & Schwaab, Inc.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
2715 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992



BENCHMARK # 43  
CUT "X" ON NORTH RIM OF A MANHOLE LID  
0.749' NORTH OF THE ~ OF E. FERGUSON AVE.  
AND 192' EAST OF THE ~ OF WHITELAW STREET  
IN FRONT OF STICK ENTERPRISES BUILDING  
#65 EAST FERGUSON AVENUE.  
STA 8+22.85 0.749' RT  
ELEV 432.515

GROUND COORDINATES FOR FERGUSON AVENUE

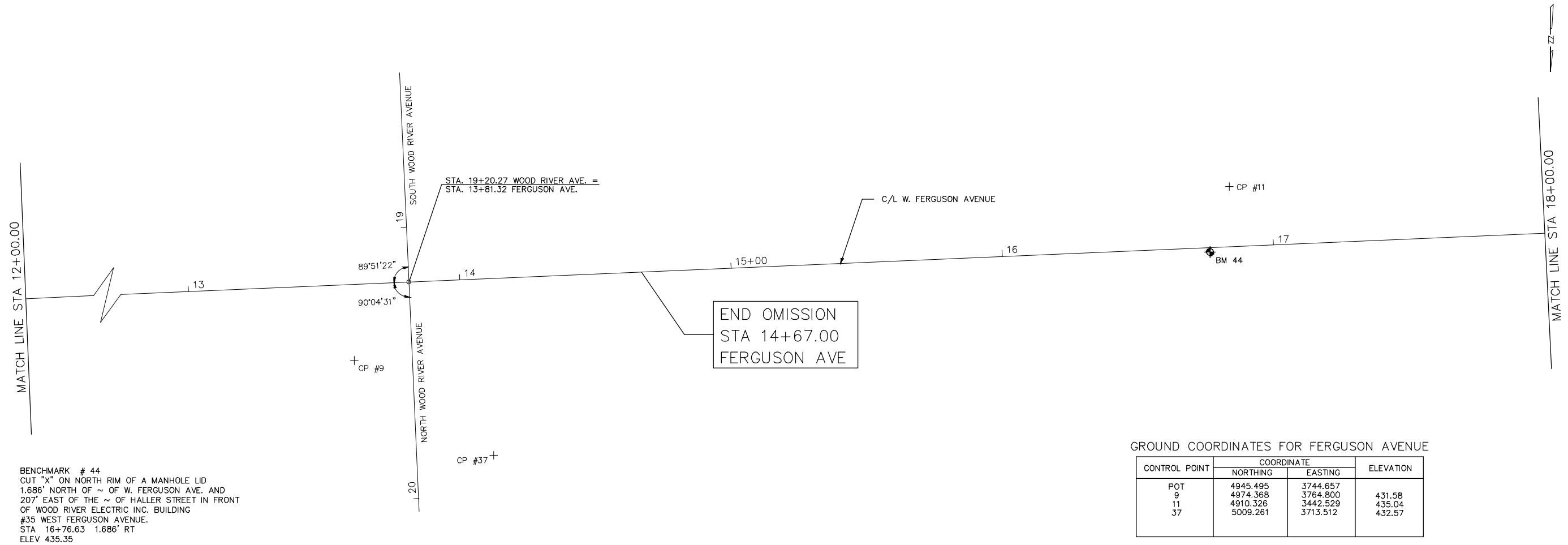
CONTROL POINT	COORDINATE		ELEVATION
	NORTHING	EASTING	
POT 5	4969.674	4463.369	432.09
PI	4969.605	4304.130	431.73
POT 6	4961.265	4110.607	432.04
5	4991.337	4431.263	432.73
6	4946.039	4305.952	432.70
7	4980.620	4132.918	432.04
8	4931.356	3949.647	432.73
17	4935.049	4413.790	432.73
18	5004.231	4337.860	432.70
20	4991.478	4281.093	



\* FAU ROUTE 8971  
WOOD RIVER STREETSCAPE PHASE 2

WOOD RIVER STREETSCAPE  
ALIGNMENT, TIES AND BENCHMARKS

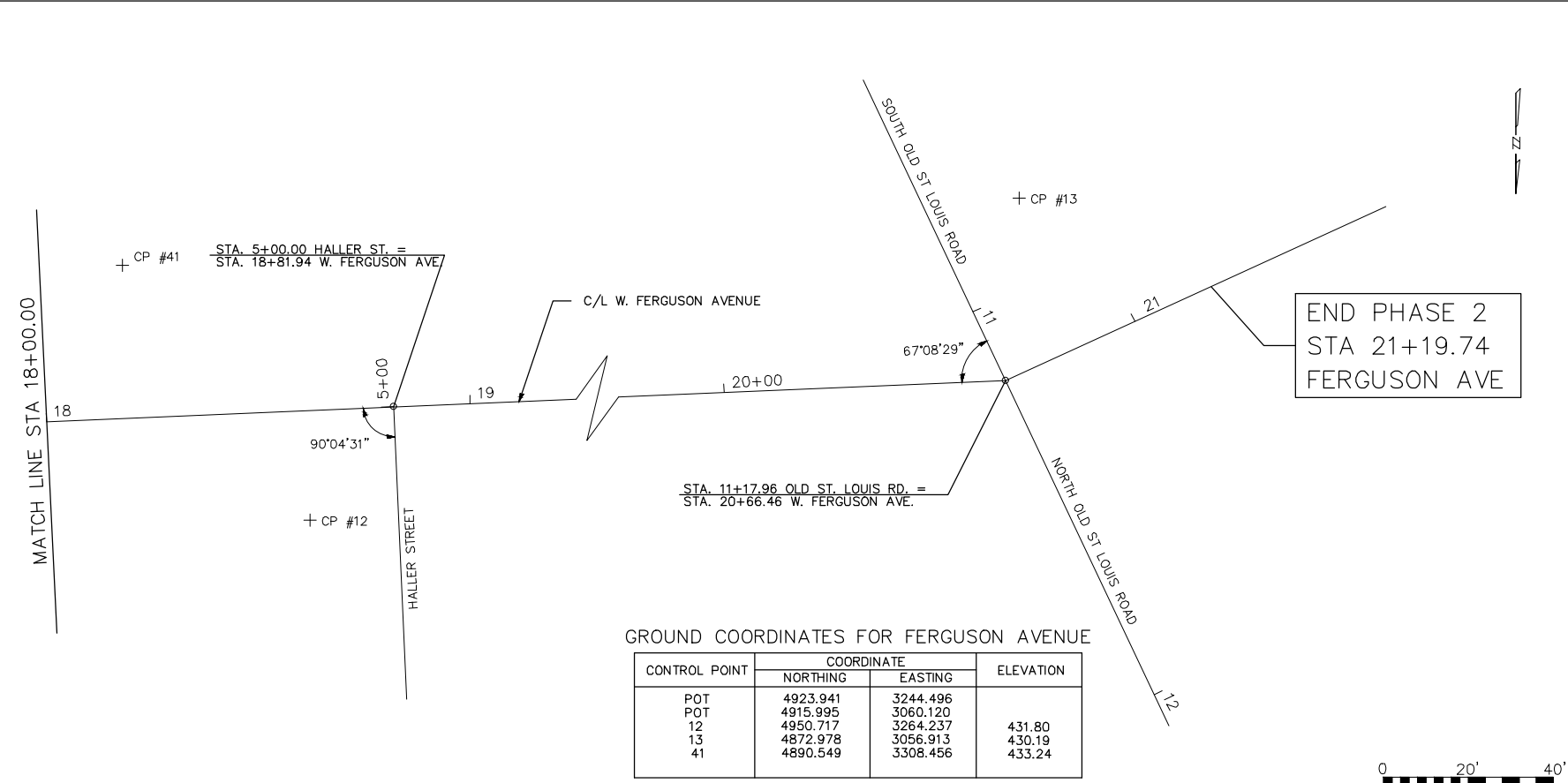
CONTRACT NO. 97704  
REF. BK. PG.  
JOB NO. 489806  
DSN. BY: CAS  
DWN. BY: CAD  
CHK. BY: CAS  
DATE: MAY, 2019  
SCALE: 1" = 20'  
SHEET 6 OF 50



BENCHMARK # 44  
 CUT "X" ON NORTH RIM OF A MANHOLE LID  
 1.686' NORTH OF ~ OF W. FERGUSON AVE. AND  
 207' EAST OF THE ~ OF HALLER STREET IN FRONT  
 OF WOOD RIVER ELECTRIC INC. BUILDING  
 #35 WEST FERGUSON AVENUE.  
 STA 16+76.63 1.686' RT  
 ELEV 435.35

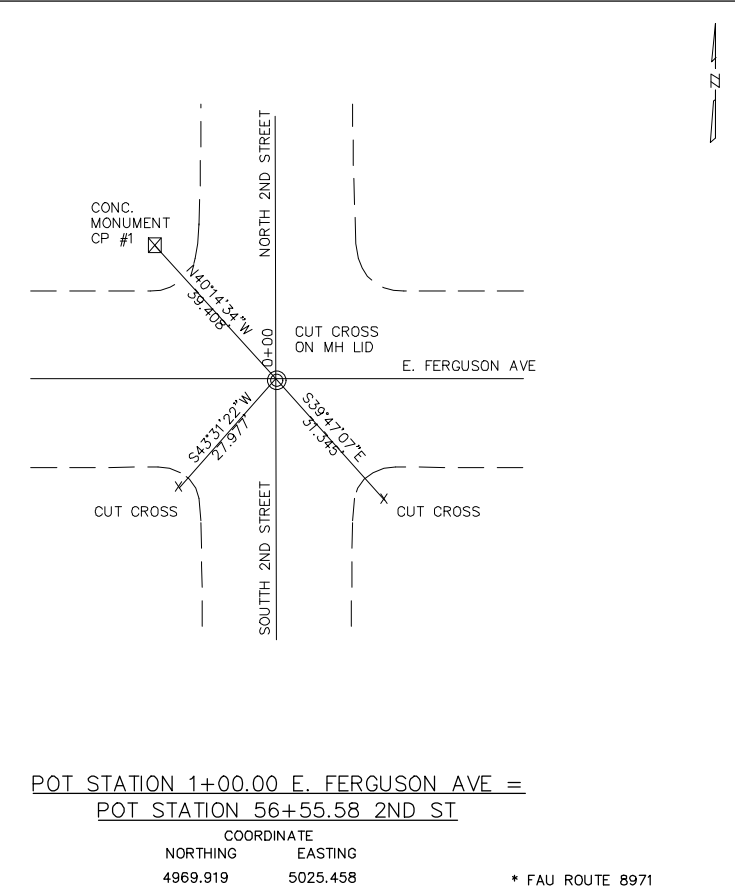
GROUND COORDINATES FOR FERGUSON AVENUE

CONTROL POINT	COORDINATE		ELEVATION
	NORTHING	EASTING	
POT 9	4945.495	3744.657	431.58
POT 11	4974.368	3764.800	435.04
POT 37	4910.326	3442.529	432.57
	5009.261	3713.512	432.57



GROUND COORDINATES FOR FERGUSON AVENUE

CONTROL POINT	COORDINATE		ELEVATION
	NORTHING	EASTING	
POT 12	4923.941	3244.496	431.80
POT 13	4915.995	3060.120	430.19
POT 41	4950.717	3264.237	430.19
	4872.978	3056.913	433.24
	4890.549	3308.456	433.24



POT STATION 1+00.00 E. FERGUSON AVE =  
 POT STATION 56+55.58 2ND ST

COORDINATE	
NORTHING	EASTING
4969.919	5025.458

\* FAU ROUTE 8971  
 WOOD RIVER STREETScape PHASE 2

REVISIONS

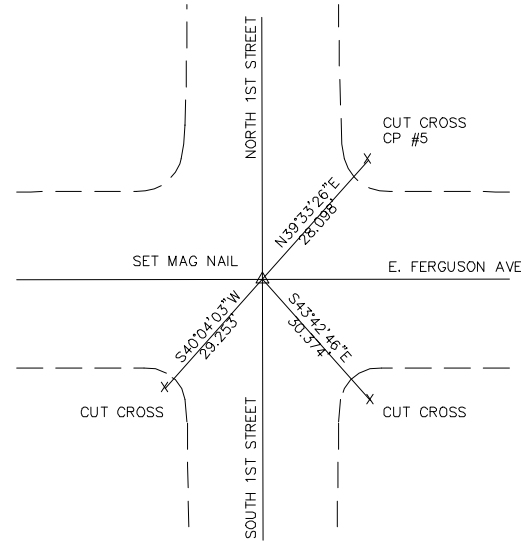
**SMS ENGINEERS**  
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 CONSULTING ENGINEERS AND LAND SURVEYORS  
 2715 Market Street, Alton, IL 62002 618.462.9755 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

**WOOD RIVER STREETScape  
 ALIGNMENT, TIES AND BENCHMARKS**

CONTRACT NO. 97704

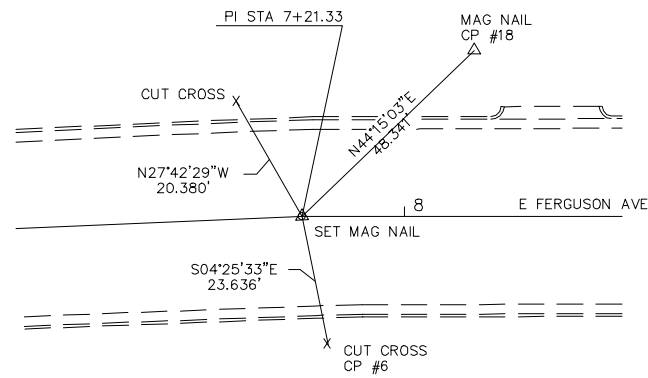
REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	

SCALE: 1" = 20'  
 SHEET 7 OF 50



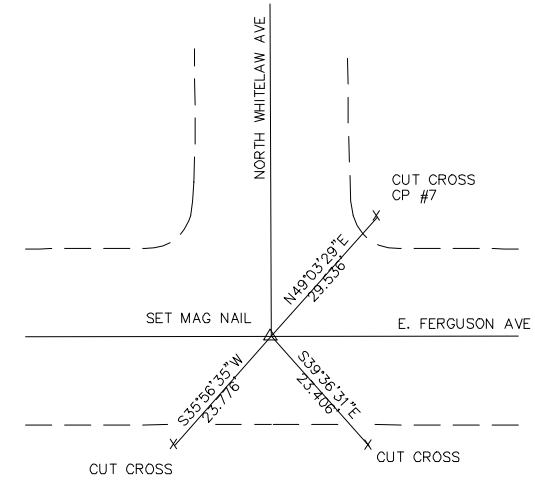
POT STATION 6+62.09 E. FERGUSON AVE =  
POT STATION 23+56.74 1ST ST

COORDINATE	
NORTHING	EASTING
4969.674	4463.369



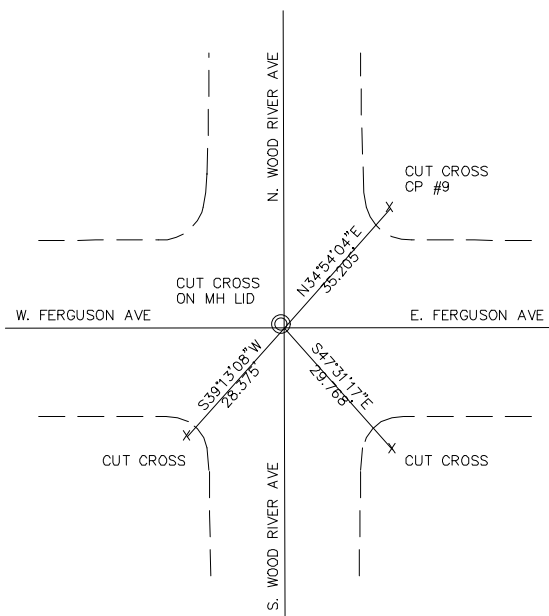
PI STATION 8+21.33 E. FERGUSON AVE

COORDINATE	
NORTHING	EASTING
4969.605	4304.130



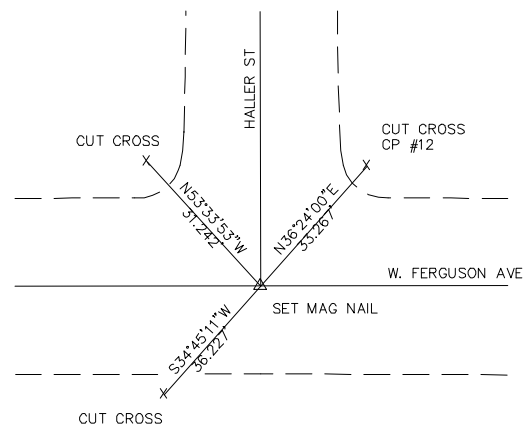
POT STATION 10+15.03 E. FERGUSON AVE =  
POT STATION 10+00.00 N. WHITELAW AVE

COORDINATE	
NORTHING	EASTING
4961.265	4110.607



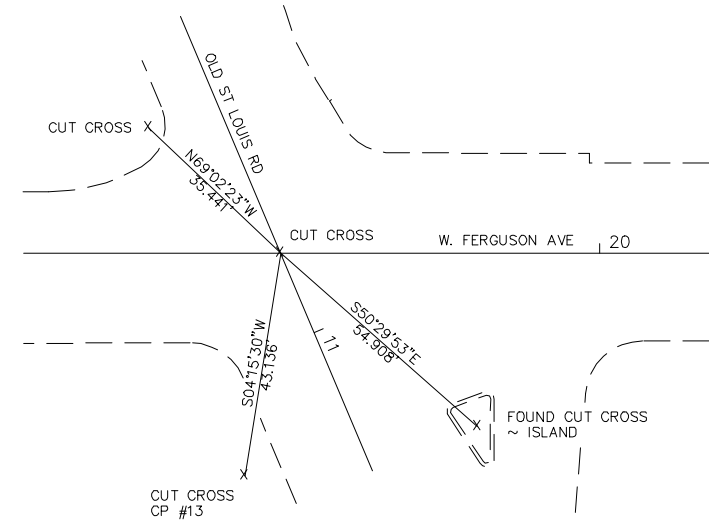
POT STATION 13+81.32 FERGUSON AVE =  
POT STATION 19+20.27 WOOD RIVER AVE

COORDINATE	
NORTHING	EASTING
4945.495	3744.657



POT STATION 18+81.94 W. FERGUSON AVE =  
POT STATION 5+00.00 HALLER ST

COORDINATE	
NORTHING	EASTING
4923.941	3244.496



POT STATION 20+66.46 W. FERGUSON AVE =  
POT STATION 11+17.96 OLD ST LOUIS RD

COORDINATE	
NORTHING	EASTING
4915.995	3060.120

\* FAU ROUTE 8971  
WOOD RIVER STREETSCAPE PHASE 2

REVISIONS

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CONSULTING ENGINEERS AND LAND SURVEYORS  
715 Market Street, Alton, IL 62002 618-465-9755 E-mail: mail@smsengineers.com  
DESIGN FIRM # 184-000992



WOOD RIVER STREETSCAPE  
ALIGNMENT, TIES AND BENCHMARKS

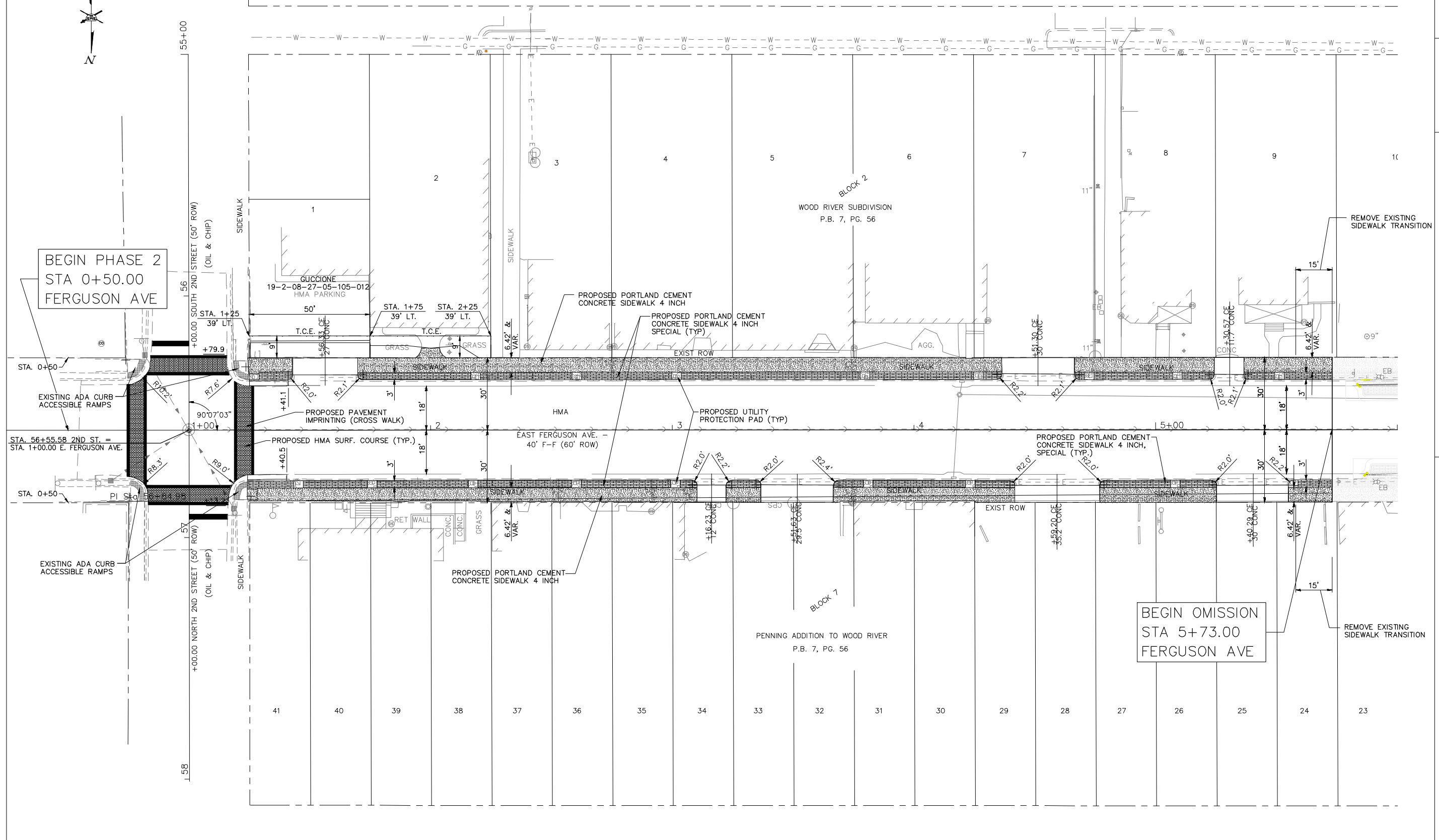
CONTRACT NO.  
97704

REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	

SCALE: 1" = 20'

SHEET 8 OF 50





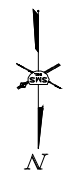
REVISIONS

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 215 Market Street, Alton, IL 62002 618-462-9735 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

**WOOD RIVER STREETSCAPE  
 FERGUSON AVENUE PLAN**

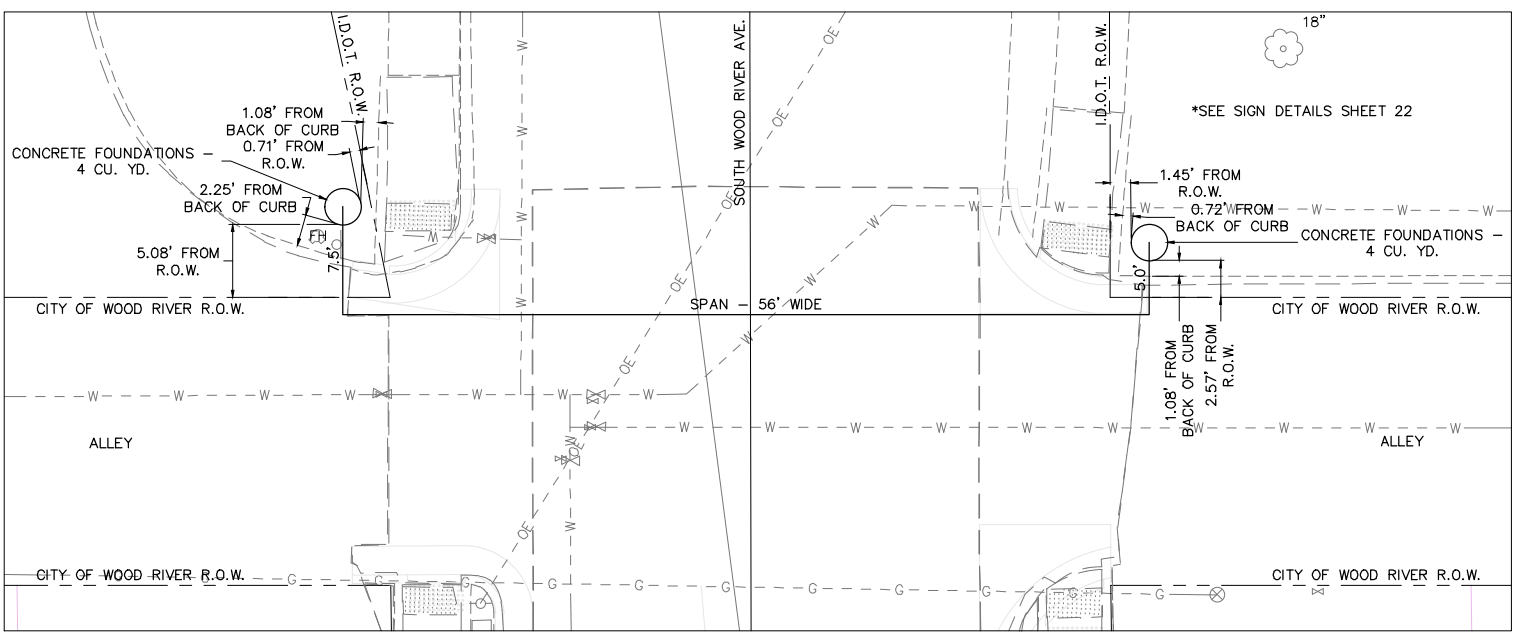
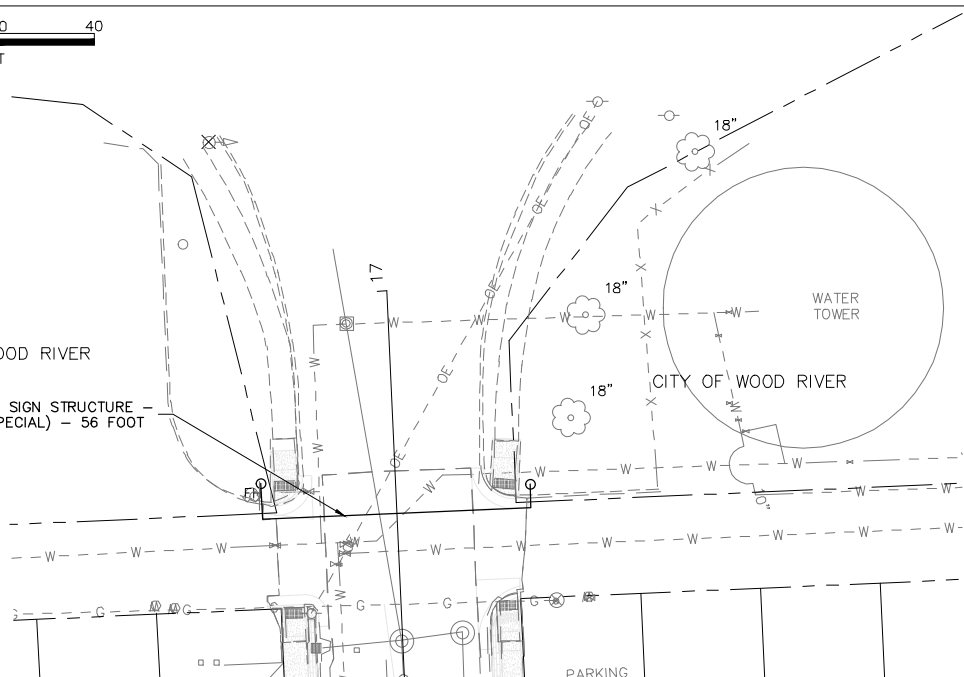
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CHK. BY:	CAS	
DATE:	MAY, 2019	

SCALE: 1" = 20'  
 SHEET 9 OF 50

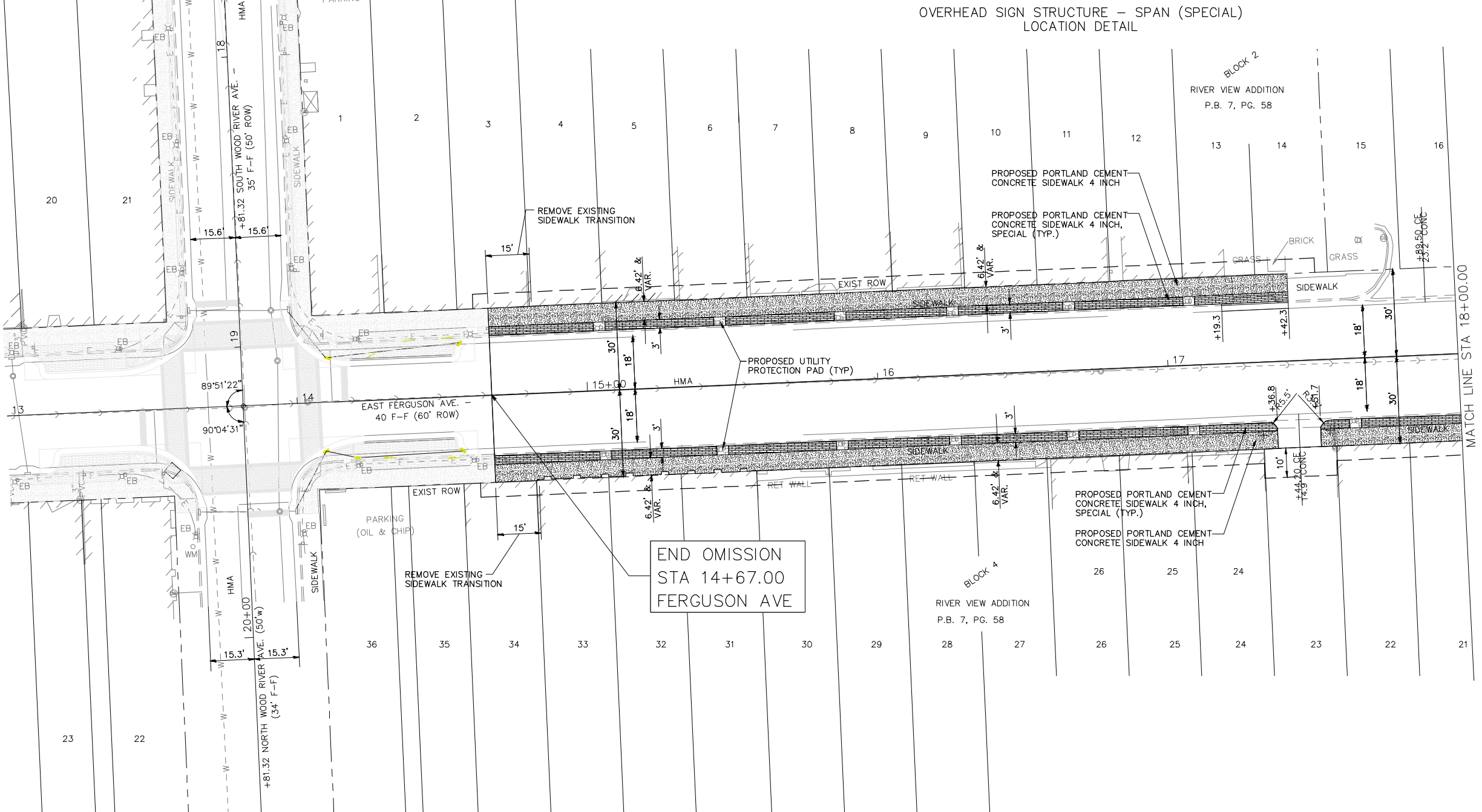


CITY OF WOOD RIVER

OVERHEAD SIGN STRUCTURE - SPAN (SPECIAL) - 56 FOOT



OVERHEAD SIGN STRUCTURE - SPAN (SPECIAL) LOCATION DETAIL



END OMISSION STA 14+67.00 FERGUSON AVE

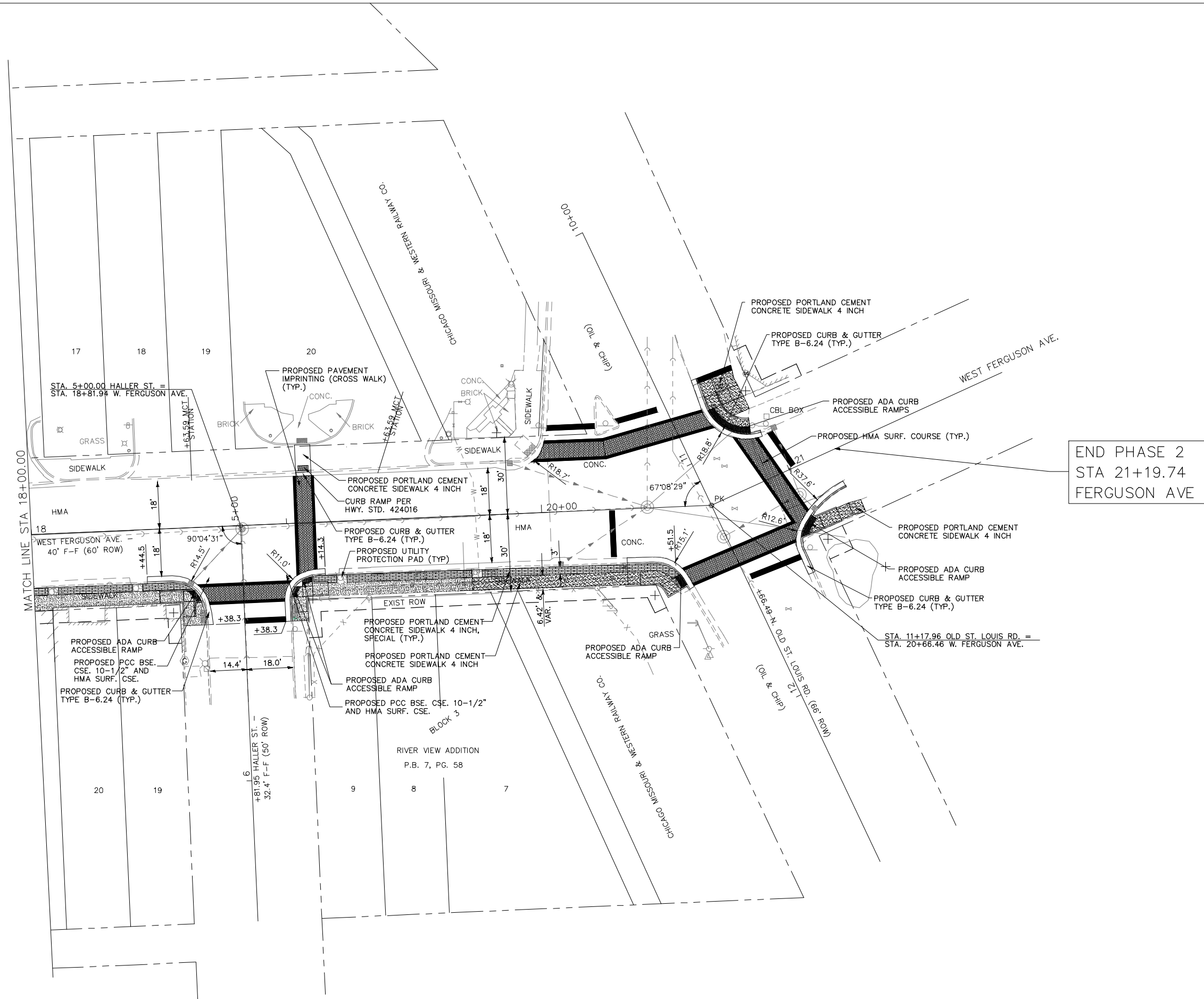
MATCH LINE STA 18+00.00

NO.	DESCRIPTION

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**WOOD RIVER STREETSCAPE  
 FERGUSON AVENUE PLAN**

CONTRACT NO.	97704
REF. BK.	PG.
JOB NO.	489806
DSN. BY:	CAS
DWN. BY:	CAD
CHK. BY:	CAS
DATE:	MAY, 2019
SCALE:	1" = 20'
SHEET	10 OF 50



END PHASE 2  
STA 21+19.74  
FERGUSON AVE

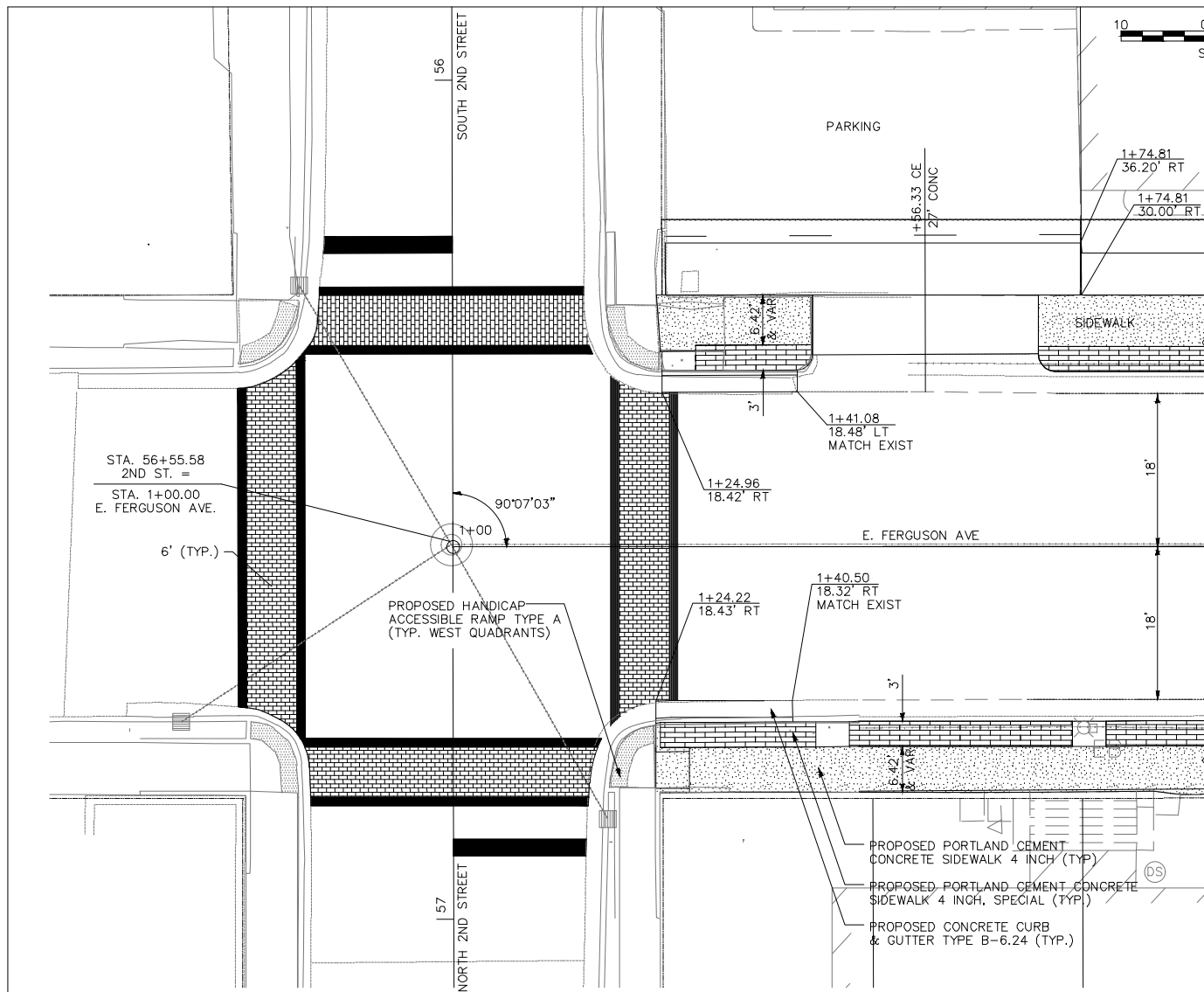
REVISIONS

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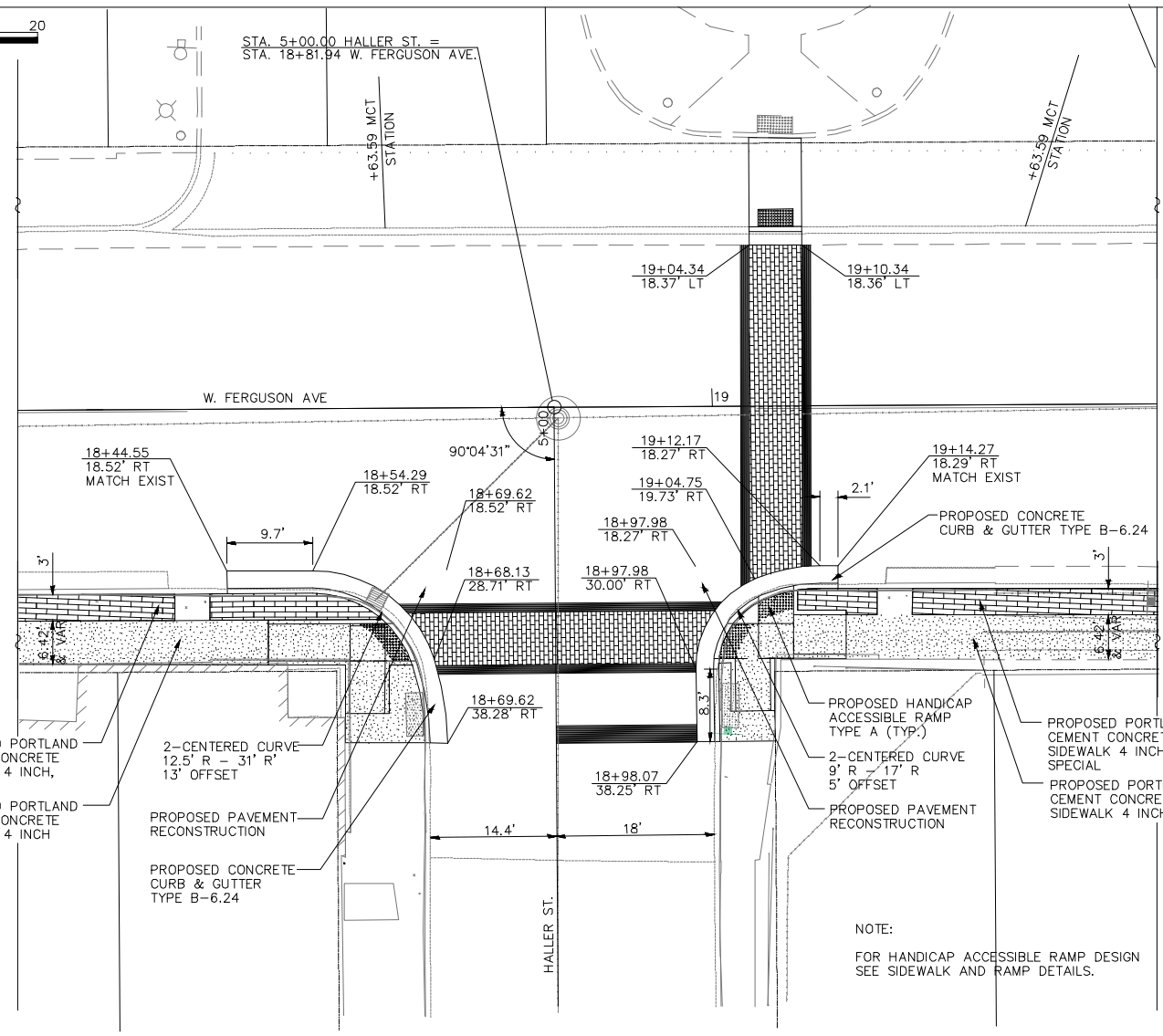
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FERGUSON AVENUE PLAN**

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CHK. BY: CAS	
DATE: MAY, 2019	

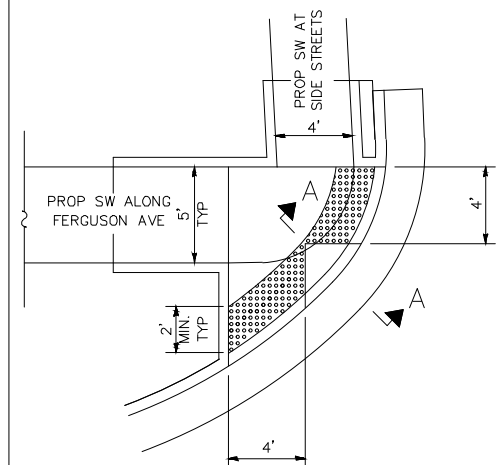
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SHEET 11 OF 50



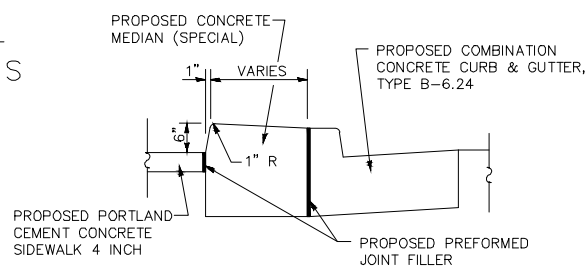
INTERSECTION DETAILS  
E. FERGUSON AVE AT 2ND STREET



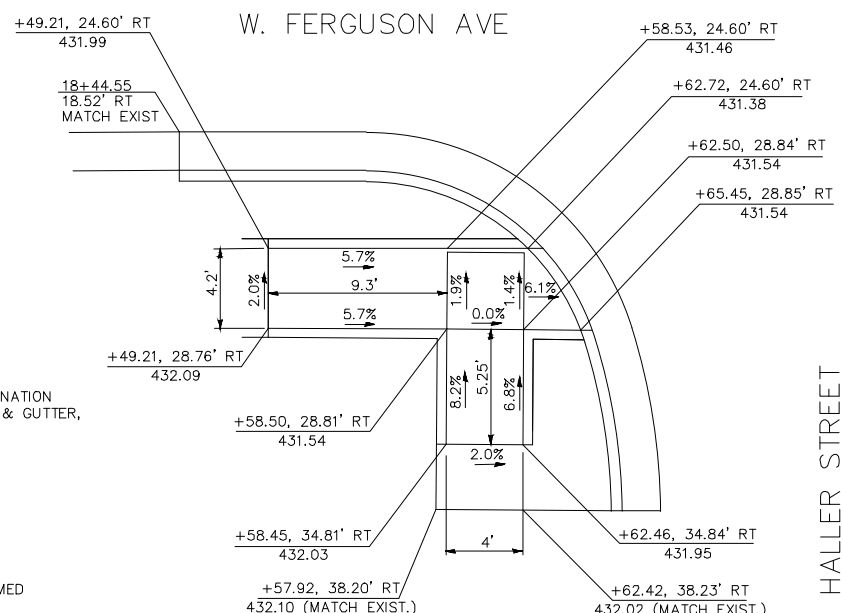
INTERSECTION DETAILS  
W. FERGUSON AVE AT HALLER STREET



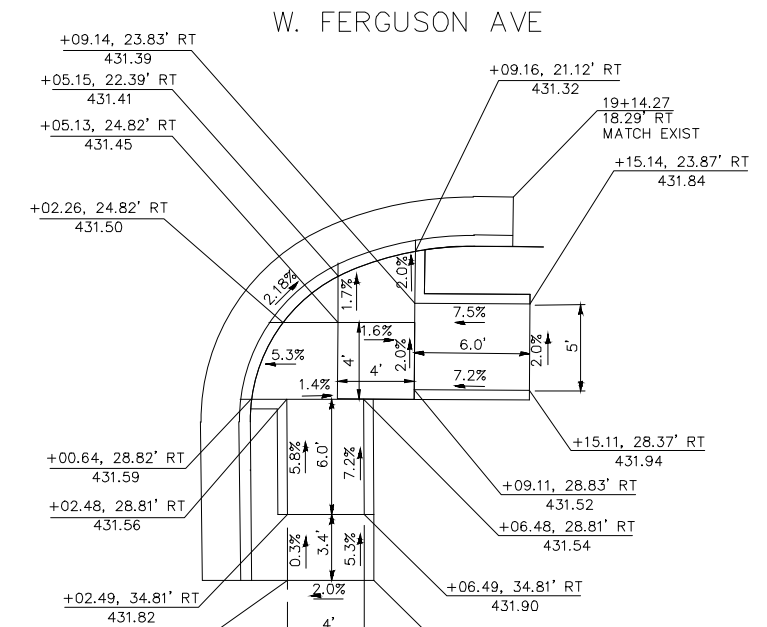
DETAIL C - TYPICAL  
AT ALL INTERSECTIONS  
NOT TO SCALE



SECTION A-A  
NOT TO SCALE



NORTHEAST QUADRANT



NORTHWEST QUADRANT

REVISIONS

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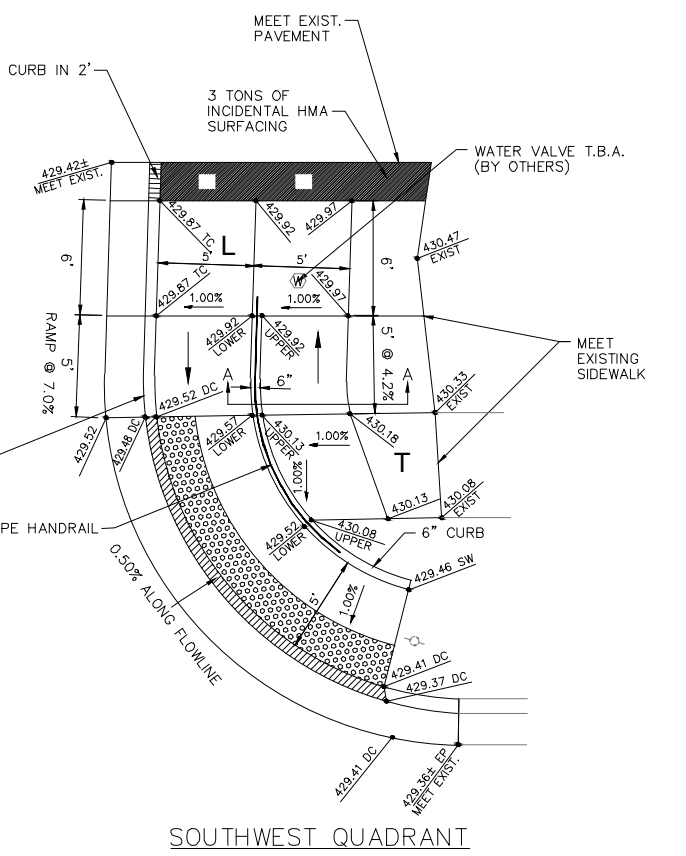
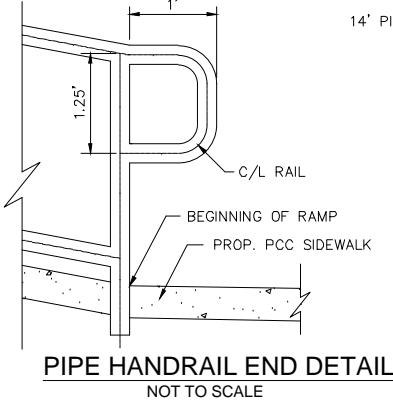
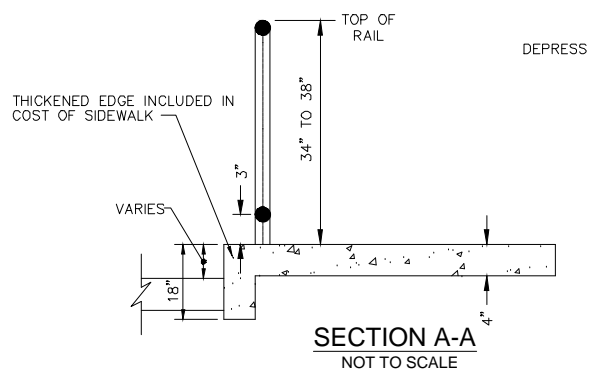
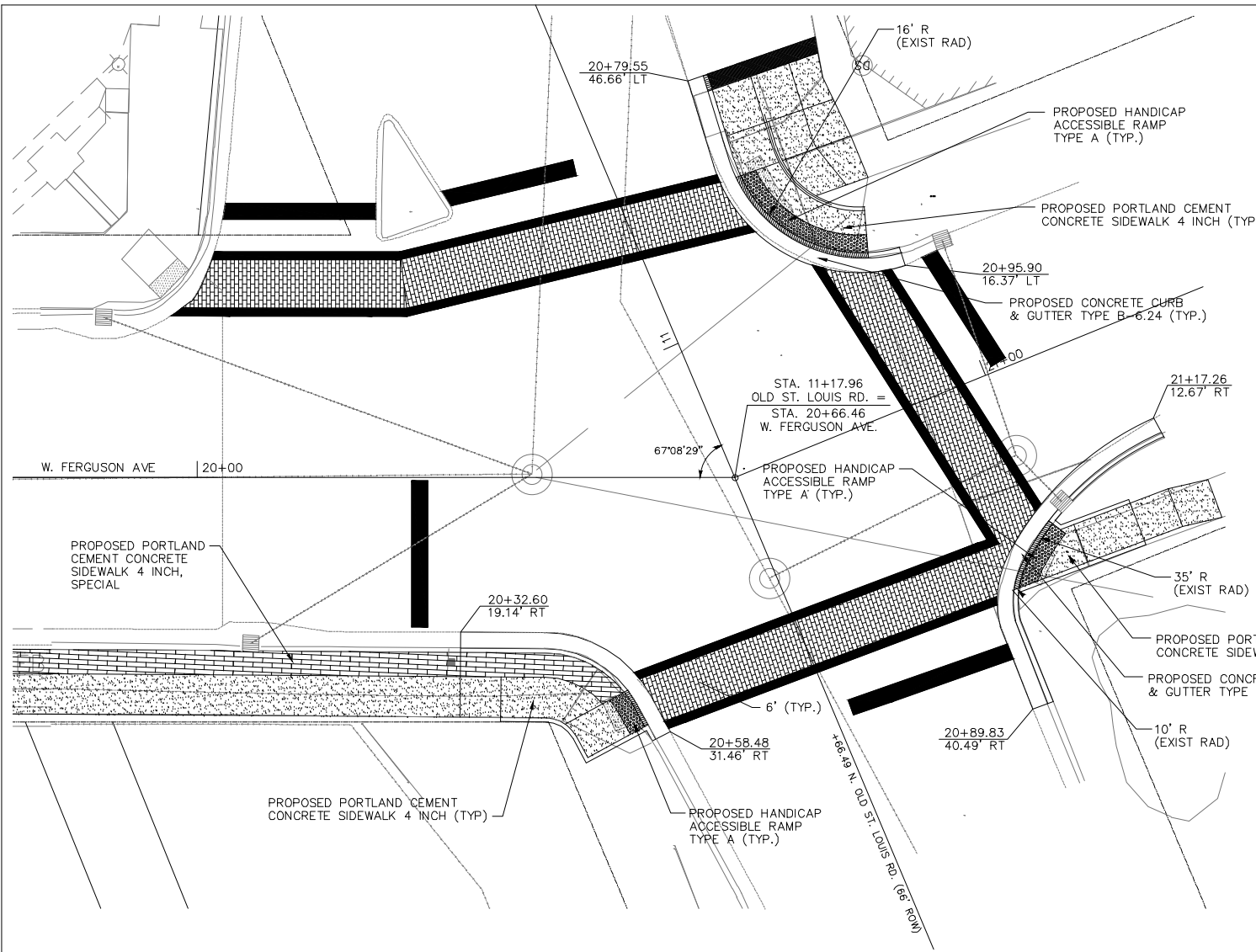
WOOD RIVER STREETSCAPE  
SIDEWALK AND RAMP DETAILS

CONTRACT NO.  
97704

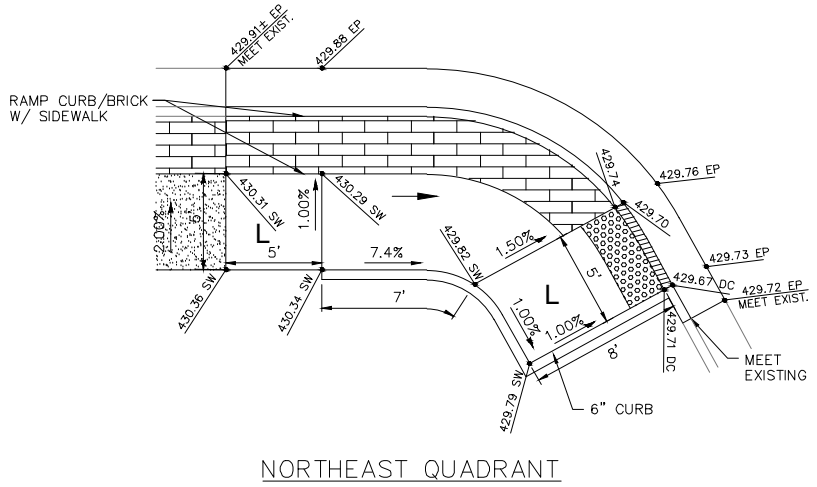
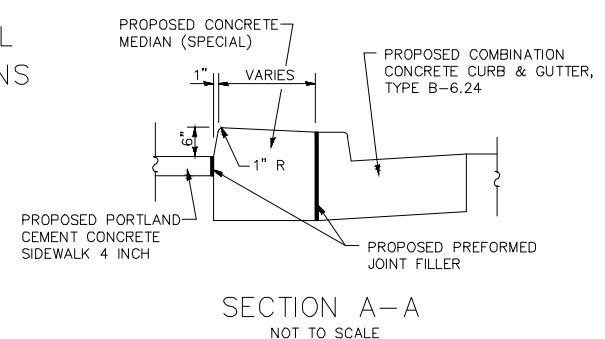
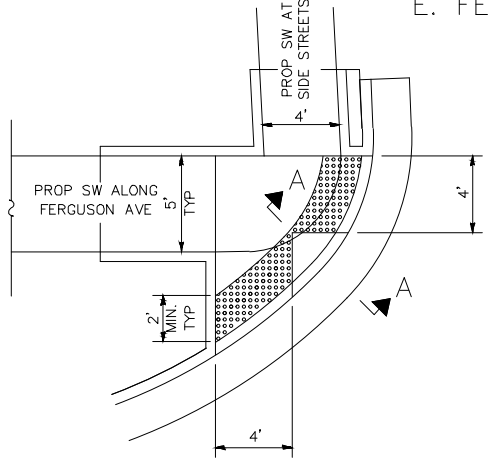
REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	

SCALE: 1" = 10'

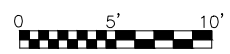
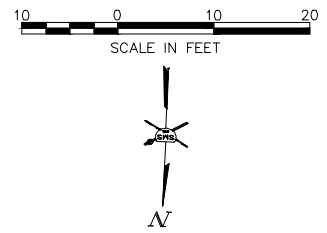
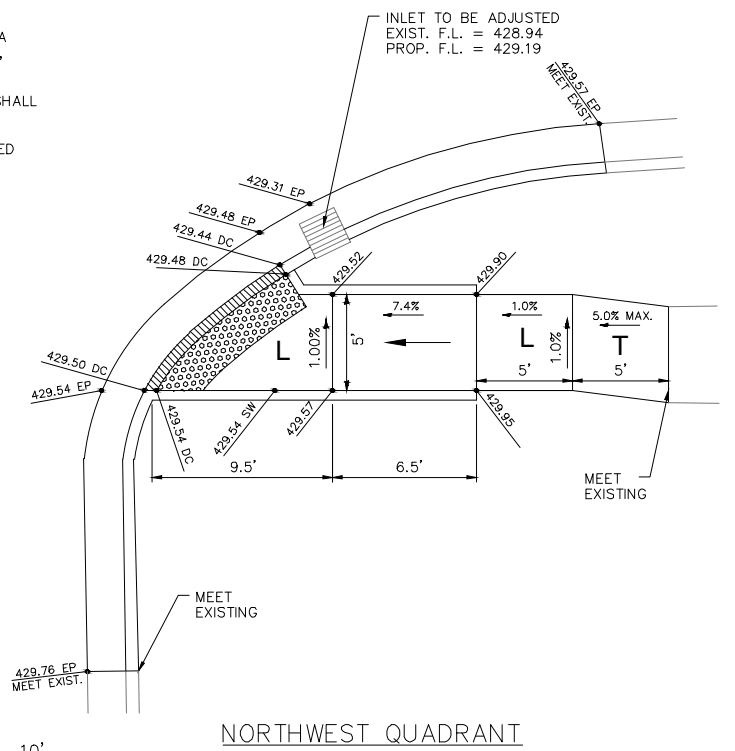
SHEET 12 OF 50



INTERSECTION DETAILS  
E. FERGUSON AVE AT OLD ST. LOUIS RD



- HANDRAIL NOTES:
- HANDRAIL SHALL BE 1 - 1/2" DIAMETER STEEL, PRIMED WITH A BAKED-ON POWDER COAT FINISH, BLACK IN COLOR.
  - ALL FASTENERS AND ANCHORS SHALL BE STAINLESS STEEL.
  - HANDRAIL SHALL BE CONSTRUCTED PER IL. ACCESS. CODE.



REVISIONS

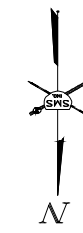

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WOOD RIVER STREETSCAPE  
SIDEWALK AND RAMP DETAILS

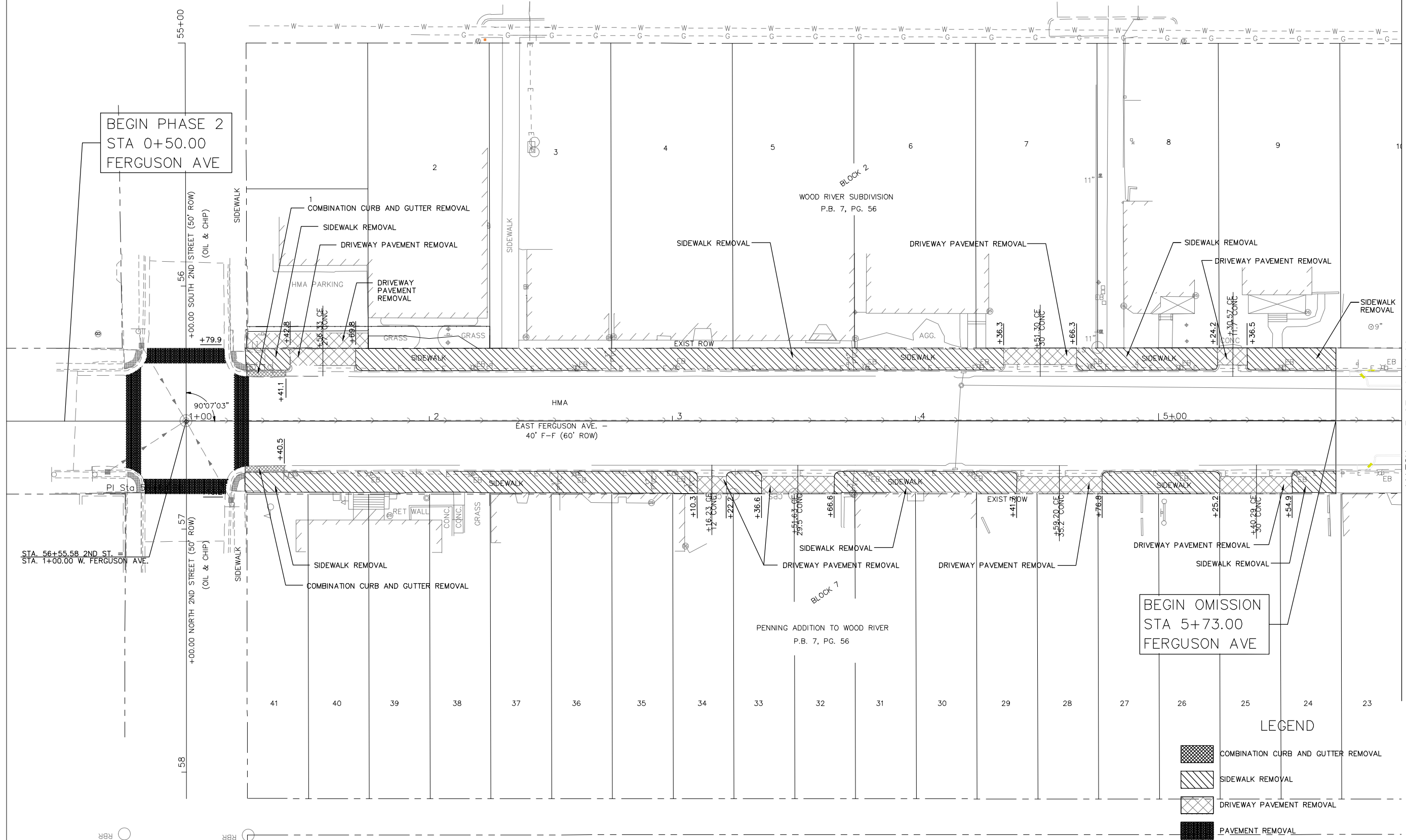
CONTRACT NO. 97704

REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	

SCALE: 1" = 10'  
SHEET 13 OF 50



BEGIN PHASE 2  
STA 0+50.00  
FERGUSON AVE



BEGIN OMISSION  
STA 5+73.00  
FERGUSON AVE

**LEGEND**

- COMBINATION CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL



MATCH LINE STA 6+00.00

NO.	DESCRIPTION

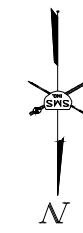
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DESIGN FIRM # 184-000992

**WOOD RIVER STREETScape  
REMOVAL PLANS**

CONTRACT NO. 97704

REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	





SCALE: 1" = 20'  
SHEET 14 OF 50



MATCH LINE STA 6+00.00

MATCH LINE STA 11+00.00

LEGEND

-  COMBINATION CURB AND GUTTER REMOVAL
-  SIDEWALK REMOVAL
-  DRIVEWAY PAVEMENT REMOVAL
-  PAVEMENT REMOVAL



NO.	DESCRIPTION	DATE

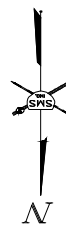
**SMS ENGINEERS**  
**Sheppard, Morgan & Schwaab, Inc.**  
 CONSULTING ENGINEERS AND LAND SURVEYORS  
 215 Market Street, Alton, IL 62002 618-462-9755 E-mail: mail@smsengineers.com  
 DESIGN FIRM # 184-000992

**WOOD RIVER STREETScape  
 REMOVAL PLANS**

CONTRACT NO. 97704

REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	

SCALE: 1" = 20'  
 SHEET 15 OF 50



LEGEND

	COMBINATION CURB AND GUTTER REMOVAL
	SIDEWALK REMOVAL
	DRIVEWAY PAVEMENT REMOVAL
	PAVEMENT REMOVAL



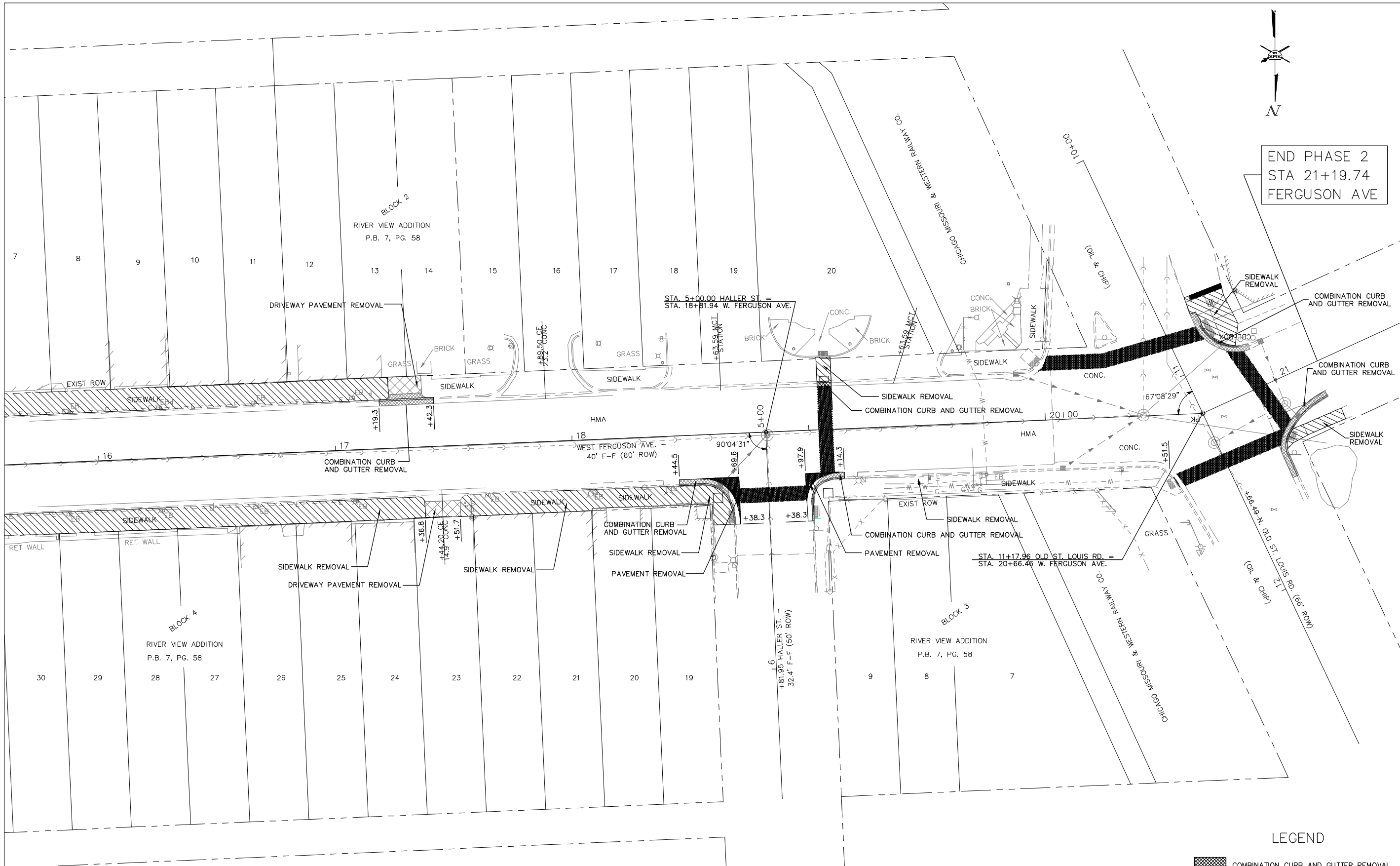
REVISIONS


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**WOOD RIVER STREETScape  
 REMOVAL PLANS**

CONTRACT NO. 97704	
REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	
SCALE: 1" = 20'	
SHEET 16 OF 50	





END PHASE 2  
 STA 21+19.74  
 FERGUSON AVE

LEGEND

- COMBINATION CURB AND GUTTER REMOVAL
- SIDEWALK REMOVAL
- DRIVEWAY PAVEMENT REMOVAL
- PAVEMENT REMOVAL



NO.	DATE	DESCRIPTION

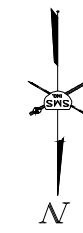
**SMS** Sheppard, Morgan & Schwaab, Inc.  
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**ENGINEERS** DESIGN FIRM # 184-000992

WOOD RIVER STREETScape  
 REMOVAL PLANS

CONTRACT NO.  
 97704

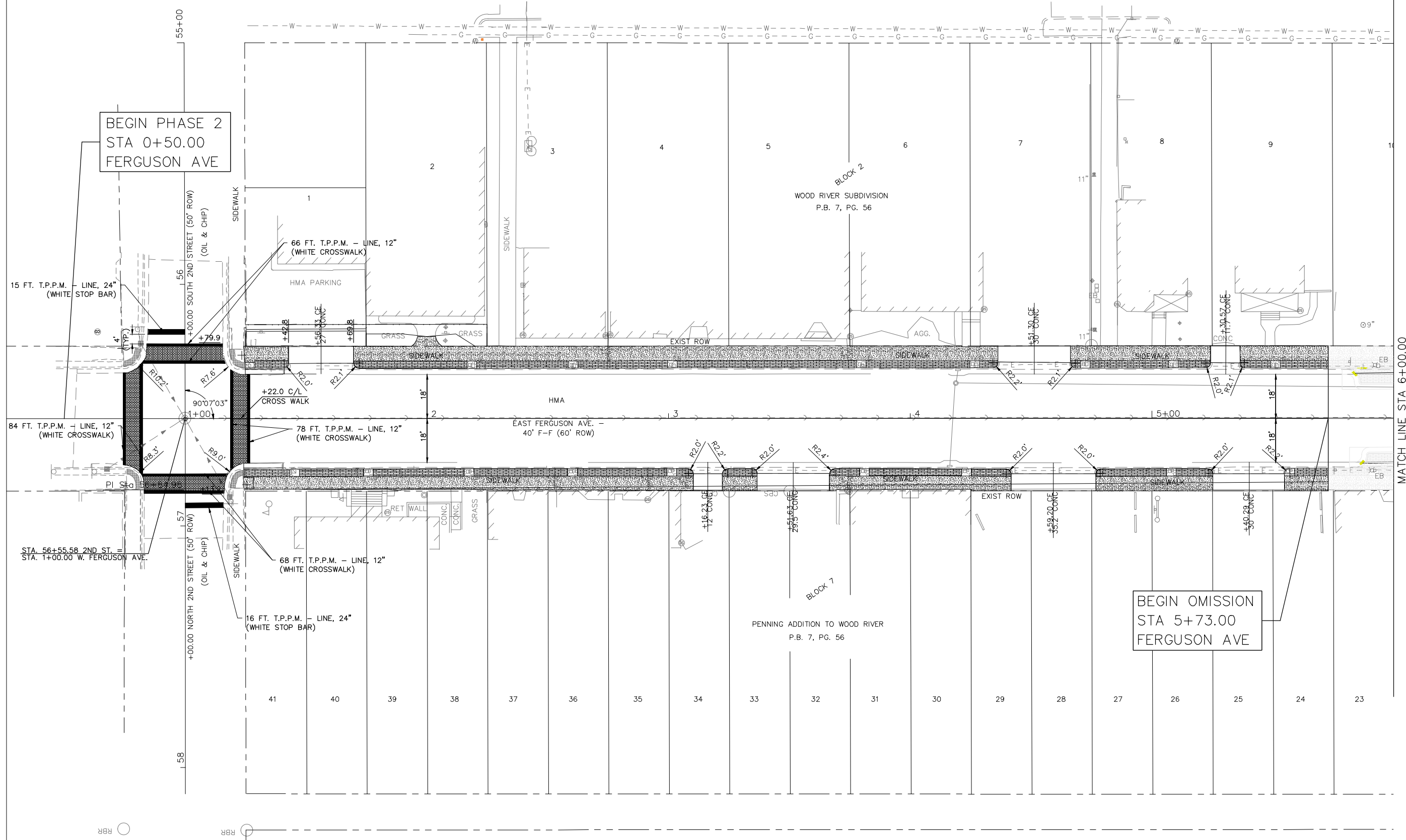
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DATE: MAY, 2019	

SCALE: 1" = 20'  
 SHEET 17 OF 50



BEGIN PHASE 2  
STA 0+50.00  
FERGUSON AVE

BEGIN OMISSION  
STA 5+73.00  
FERGUSON AVE



REVISIONS	

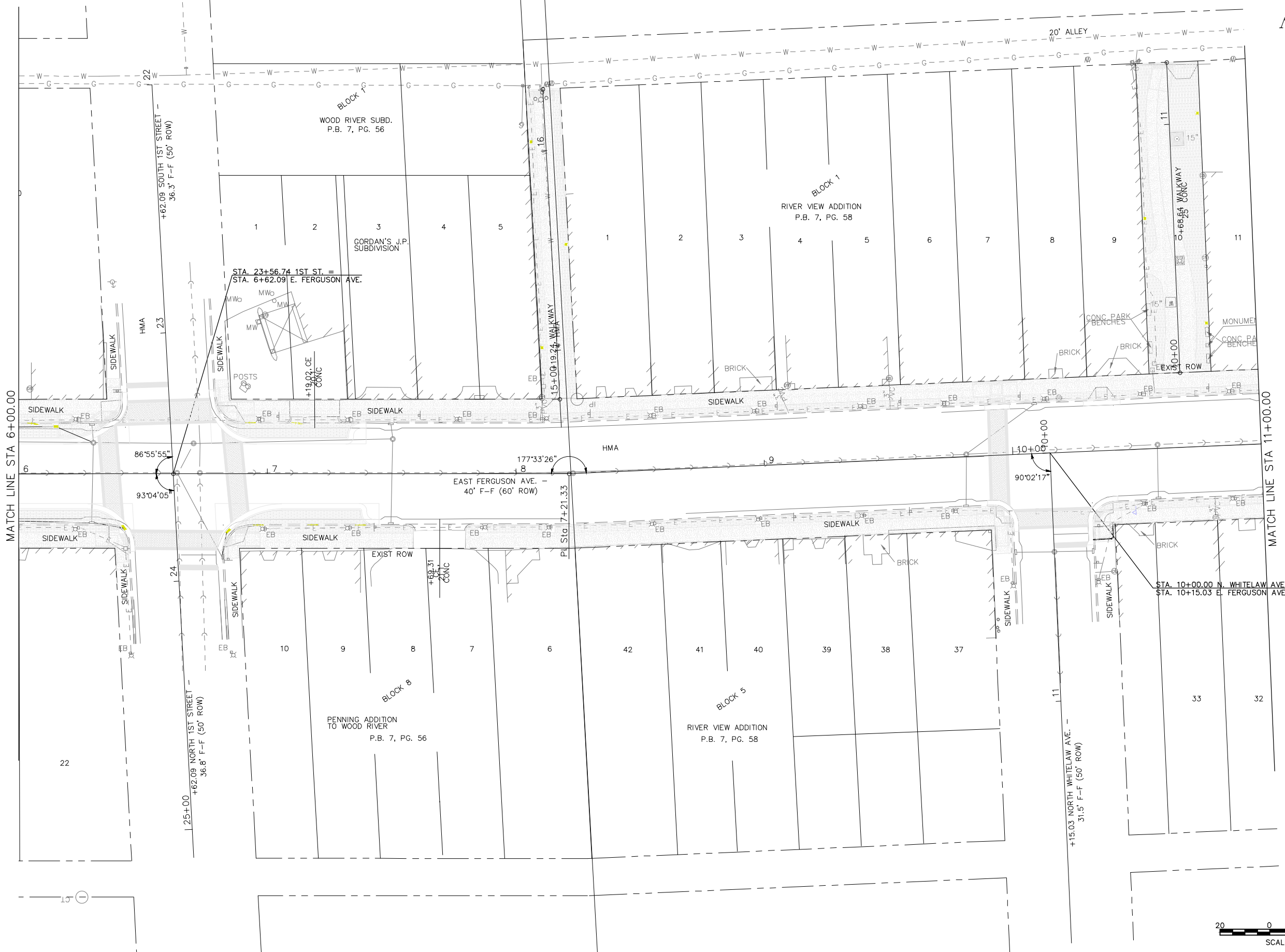
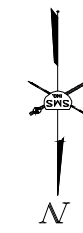
**SMS Sheppard, Morgan & Schwaab, Inc.**  
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DESIGN FIRM # 184-000992

**WOOD RIVER STREETSCAPE  
PAVEMENT MARKING PLANS**

CONTRACT NO. 97704	
REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	
SCALE: 1" = 20'	
SHEET 18 OF 50	



MATCH LINE STA 6+00.00



MATCH LINE STA 6+00.00

MATCH LINE STA 11+00.00



NO.	DATE	REVISIONS

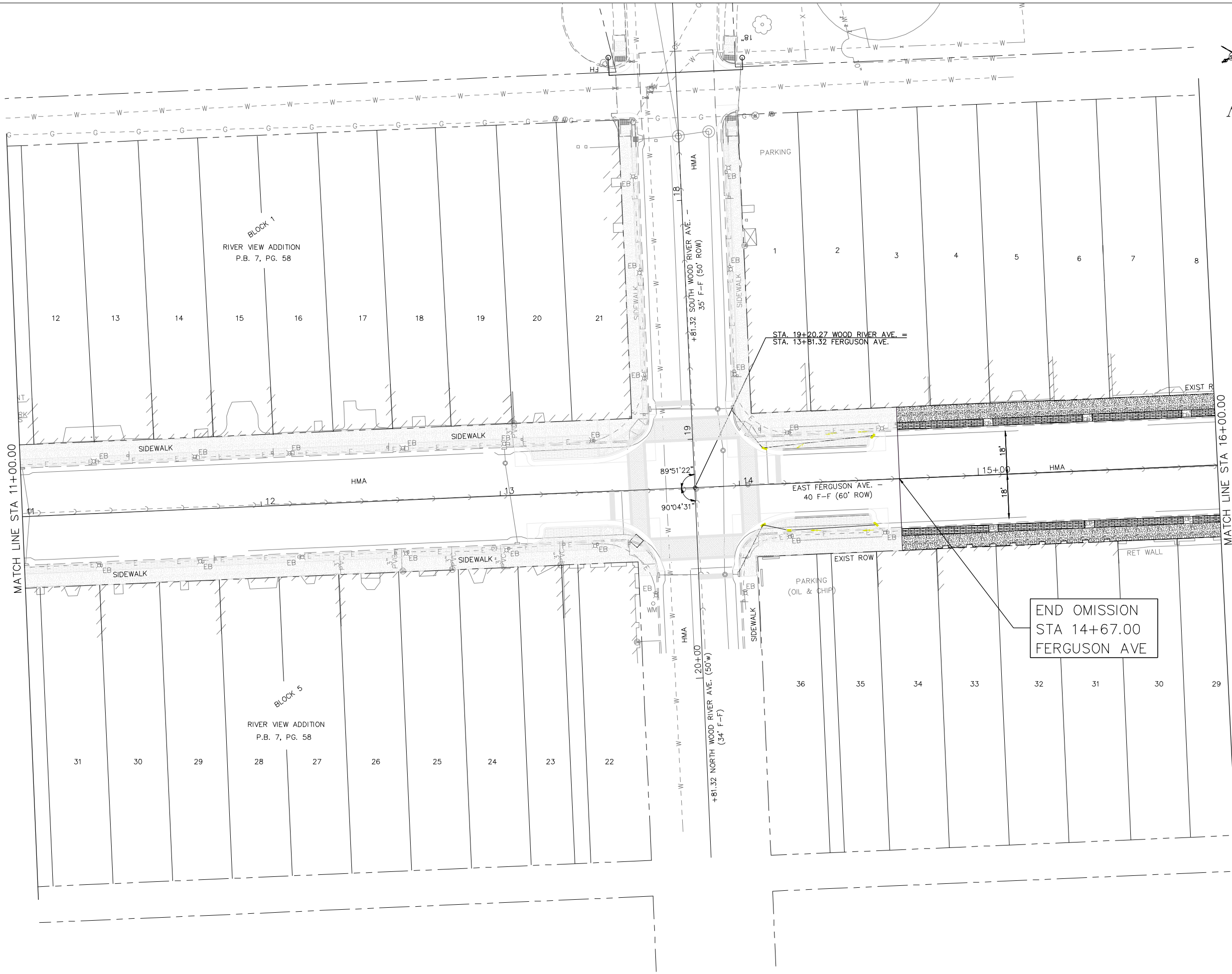
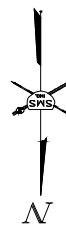
**SMS** Sheppard, Morgan & Schwaab, Inc.  
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**WOOD RIVER STREETSCAPE  
 PAVEMENT MARKING PLANS**

CONTRACT NO. 97704

REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	

SCALE: 1" = 20'  
 SHEET 19 OF 50



NO.	DESCRIPTION

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 DESIGN FIRM # 184-000992

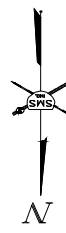
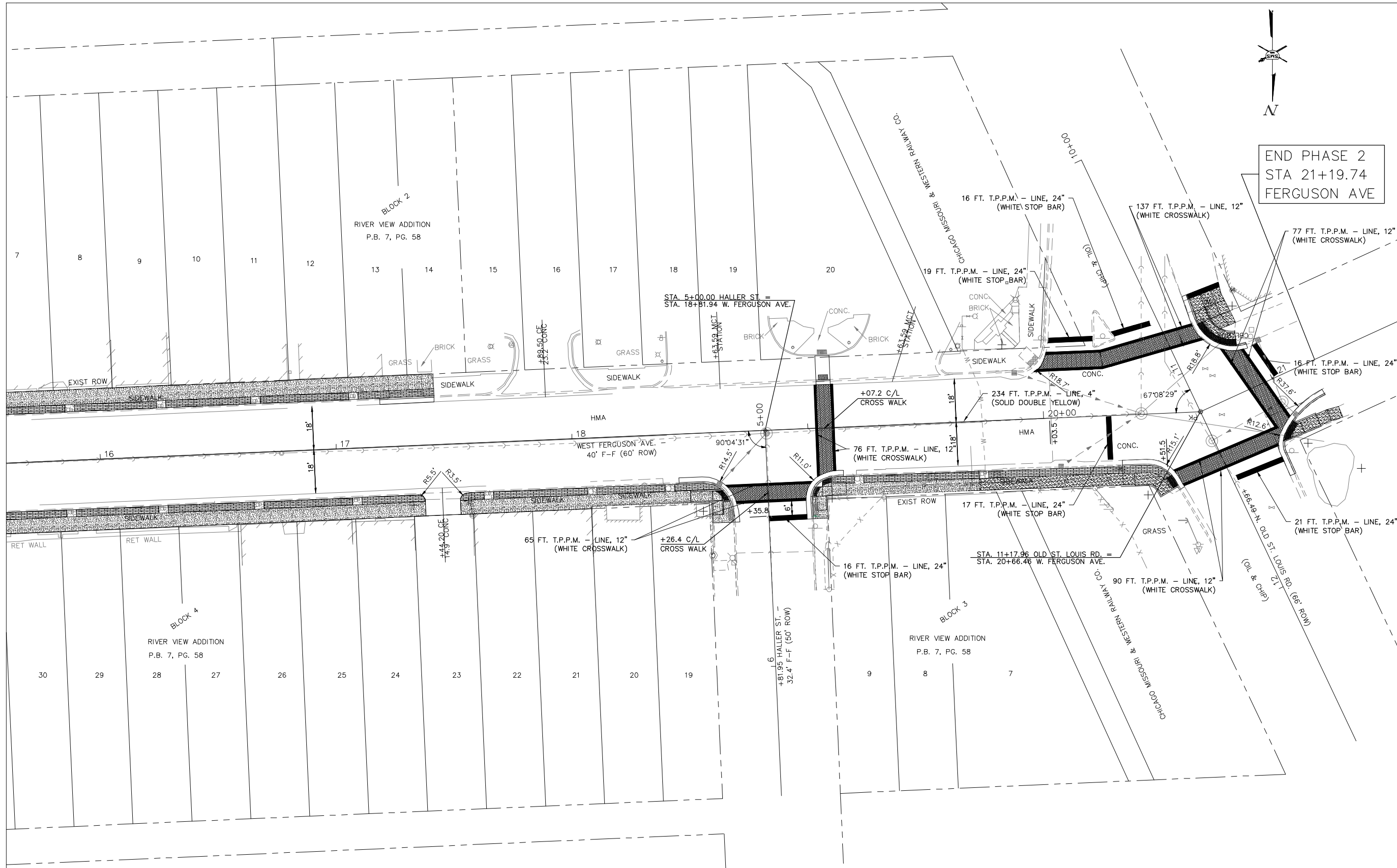
**WOOD RIVER STREETScape  
 PAVEMENT MARKING PLANS**

CONTRACT NO.  
 97704

REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	



SCALE: 1" = 20'  
 SHEET 20 OF 50



END PHASE 2  
STA 21+19.74  
FERGUSON AVE

REVISIONS


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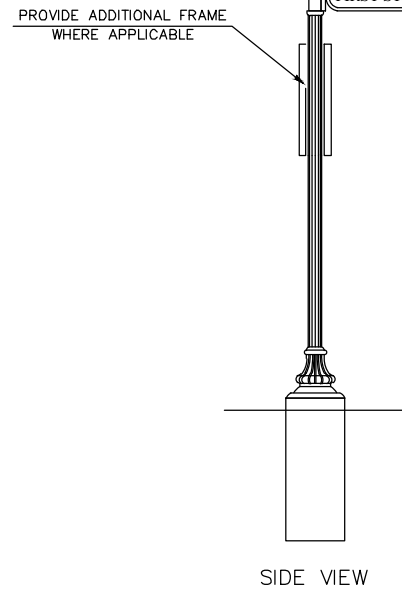
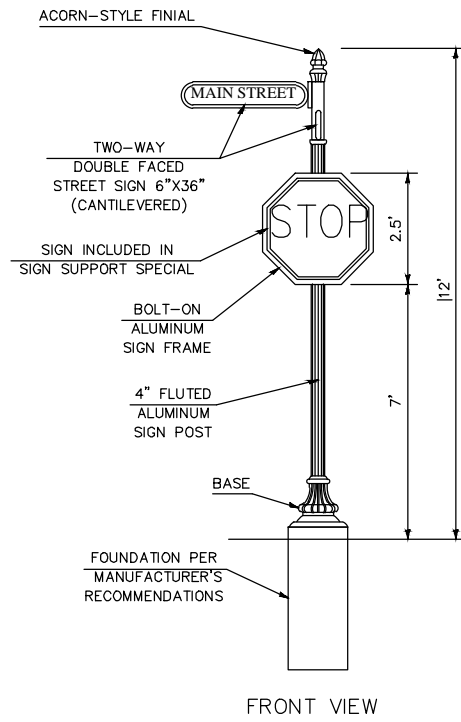
**WOOD RIVER STREETScape  
PAVEMENT MARKING PLANS**

CONTRACT NO.  
97704

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CHK. BY: CAS	
DATE: MAY, 2019	

SCALE: 1" = 20'  
SHEET 21 OF 50

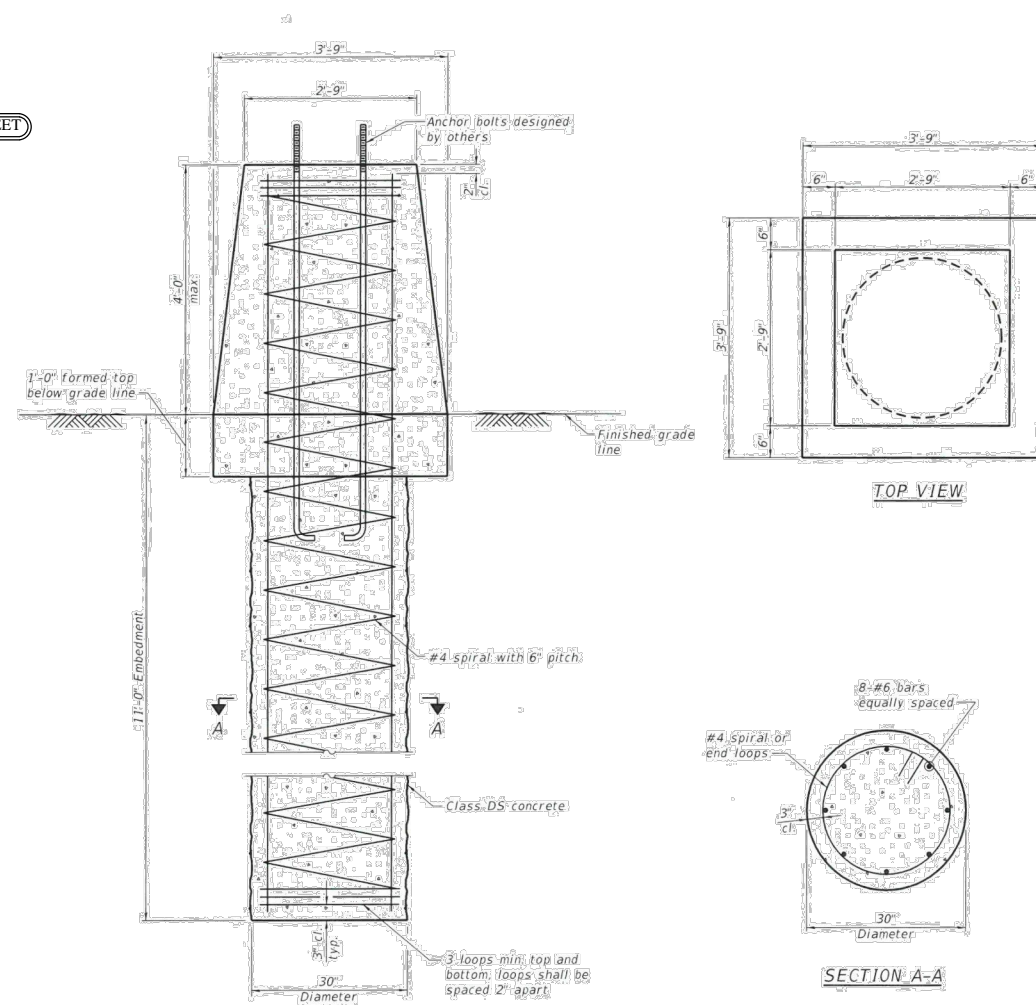




SIGN SUPPORT SPECIAL

NOTES:

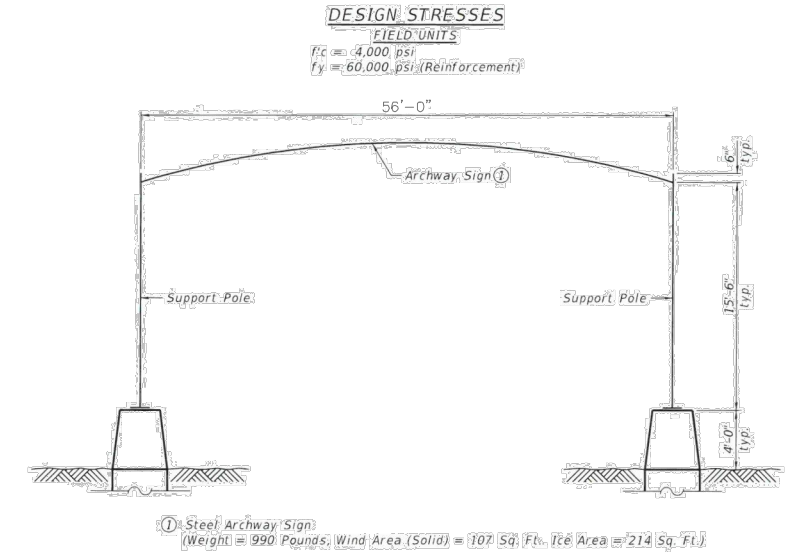
- 1 ALL APPLICABLE PARTS SHALL RECEIVE A STANDARD ELECTROSTATICALLY APPLIED THERMOSET POLYESTER POWDER COAT SMOOTH SEMI-GLOSS BLACK FINISH.
- 2 ALL FASTENERS SHALL BE STAINLESS STEEL.
- 3 SIGN MANUFACTURER SHALL BE BY HOLOPHANE, BRANDON INDUSTRIES, OR APPROVED EQUAL.



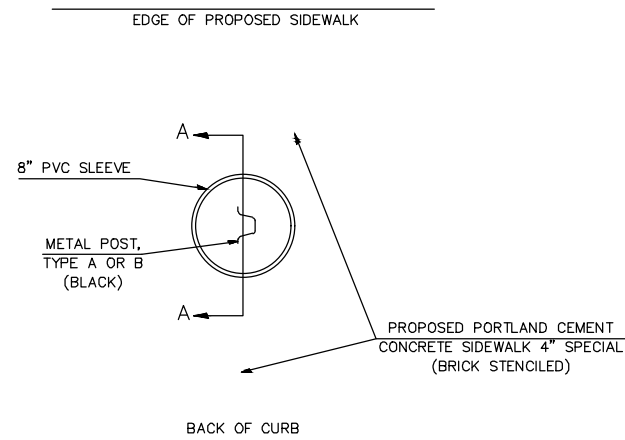
CONCRETE FOUNDATIONS  
(COST SHALL INCLUDE ALL REINFORCEMENT AS SHOWN)

**GENERAL NOTES**  
 The design shown on this sheet is for the foundation only and does not include the design of structural elements above the top of the foundation including the anchor bolts, base plates, sign posts, etc.  
 The Design Loading Diagram depicts the loading used in the foundation design. The Engineer shall be notified if the sign configuration changes from that shown in the contract plans for this project.  
 The foundation and its construction shall conform to Section 878 of the IDOT Standard Specifications for Road and Bridge Construction.  
 Backfill shall be clean sand thoroughly compacted by tamping layers not more than 8 inches thick.  
 Minimum vertical roadway clearance to be verified by others.

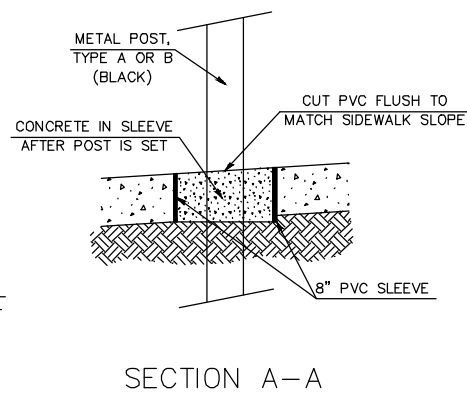
**DESIGN LOADS AND SPECIFICATIONS**  
 IDOT Standard Specifications for Road and Bridge Construction  
 AASHTO Standard Specifications for Structural Supports for Highway Signs, Luminaires, and Traffic Signals  
 Wind Speed = 90 mph  
 Ice Load = 3 psf  
 Dead Load as shown in loading diagram



DESIGN LOADING DIAGRAM



METAL SIGN POST SLEEVE DETAIL  
COST INCLUDED IN METAL POST



SECTION A-A



OVERHEAD SIGN STRUCTURE - SPAN (SPECIAL)

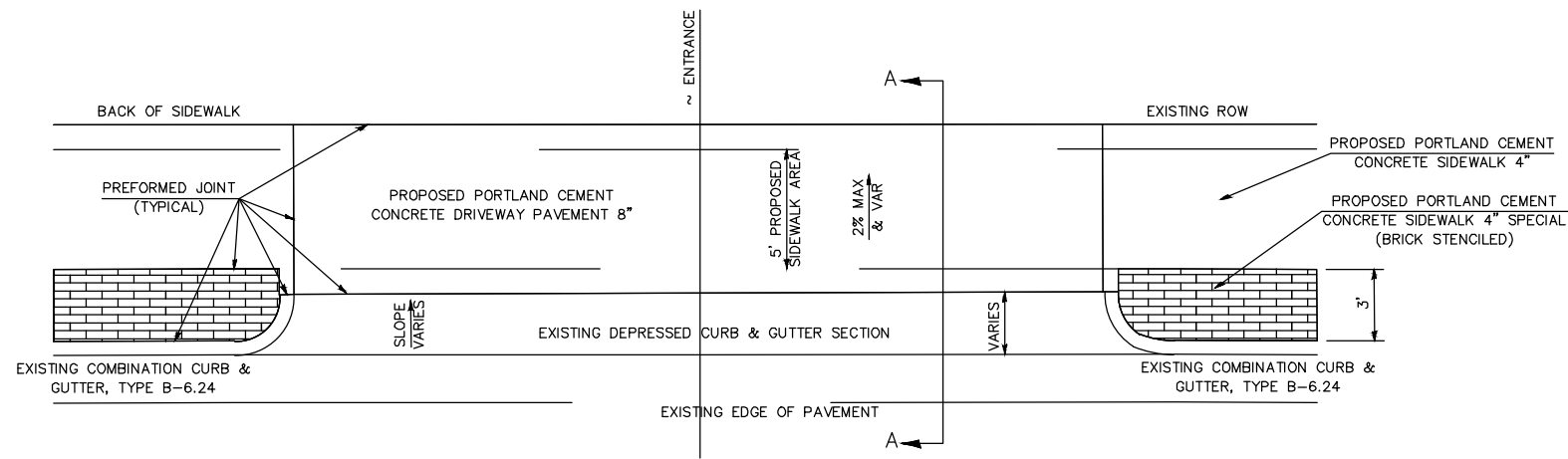
NO.	REVISIONS

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

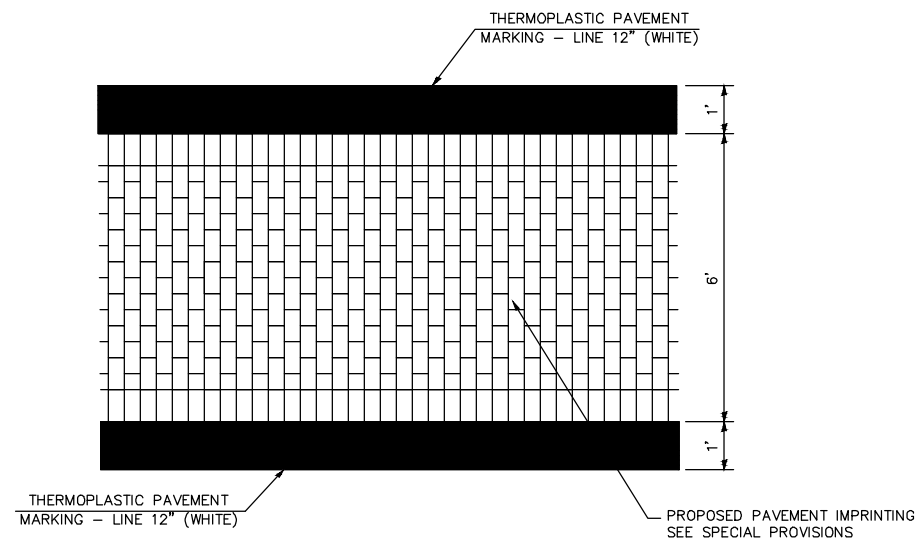
WOOD RIVER STREETSCAPE  
MISCELLANEOUS DETAILS

CONTRACT NO.	97704
REF. BK.	PG.
JOB NO.	489806
DSN. BY:	CAS
DWN. BY:	CAD
CHK. BY:	CAS
DATE:	MAY, 2019

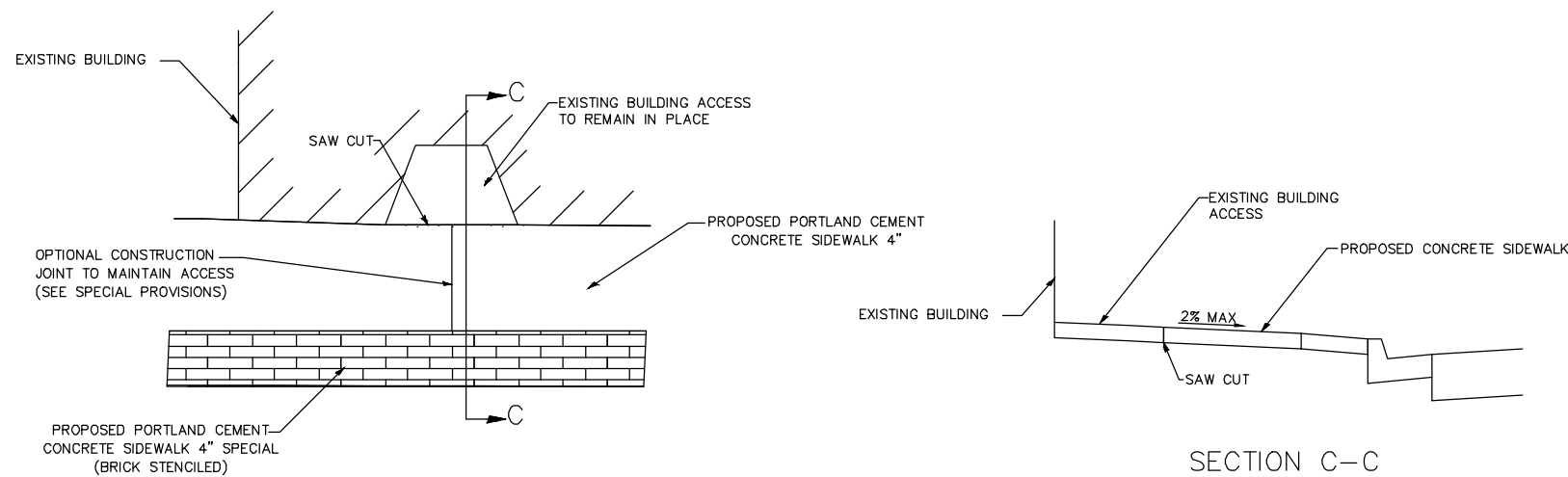
SCALE: NOT TO SCALE  
SHEET 22 OF 50



TYPICAL COMMERCIAL ENTRANCE

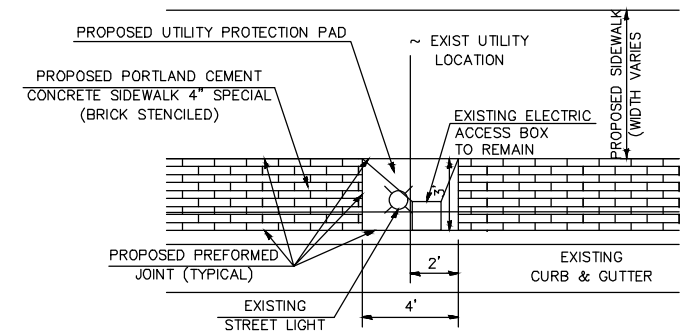
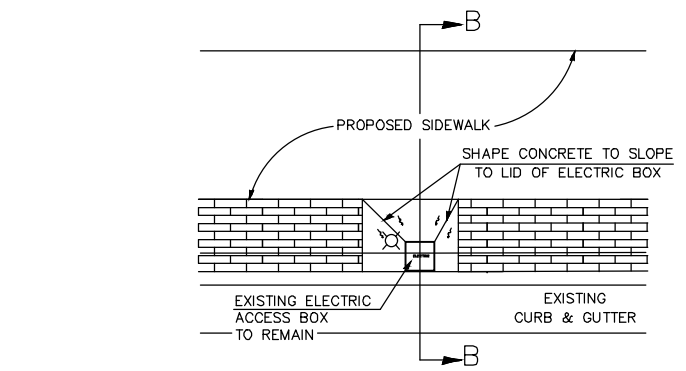


TYPICAL CROSSWALK DETAIL

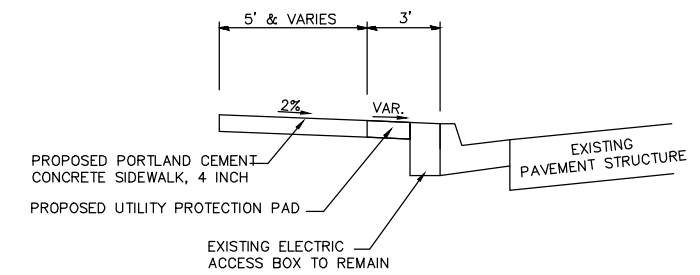


TYPICAL BUILDING ACCESS

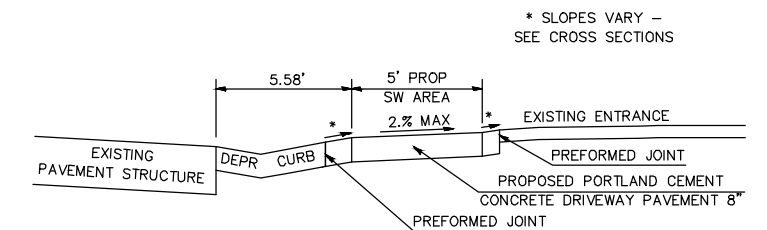
SECTION C-C



PROPOSED UTILITY PROTECTION PAD (ELECTRICAL AND LIGHT STANDARD BLOCK OUT)



SECTION B-B



SECTION A-A

\* FAU ROUTE 8971  
WOOD RIVER STREETSCAPE PHASE 2

REVISIONS


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

WOOD RIVER STREETSCAPE  
MISCELLANEOUS DETAILS

CONTRACT NO. 97704

REF. BK.	PG.
JOB NO. 489806	
DSN. BY: CAS	
DWN. BY: CAD	
CHK. BY: CAS	
DATE: MAY, 2019	

SCALE: NOT TO SCALE  
SHEET 23 OF 50

E. FERGUSON AVE.

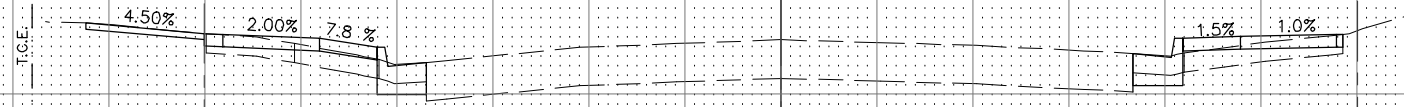
EX ROW

EX ROW

440

440

1+33.00

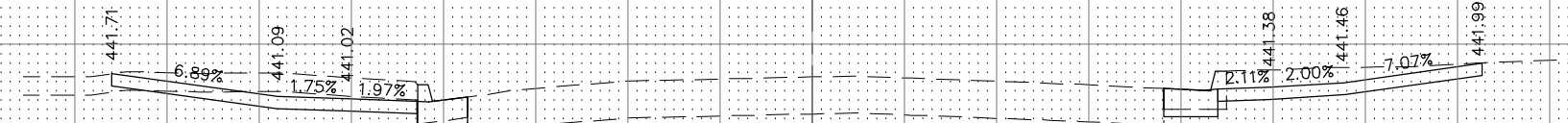


E. FERGUSON AVE.

440

440

1+22.00

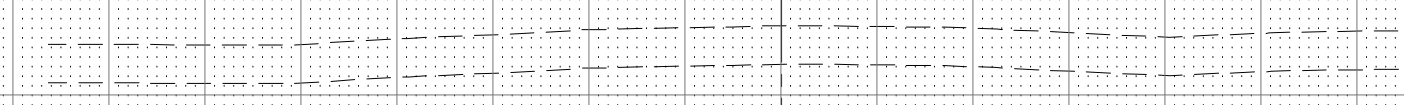


E. FERGUSON AVE.

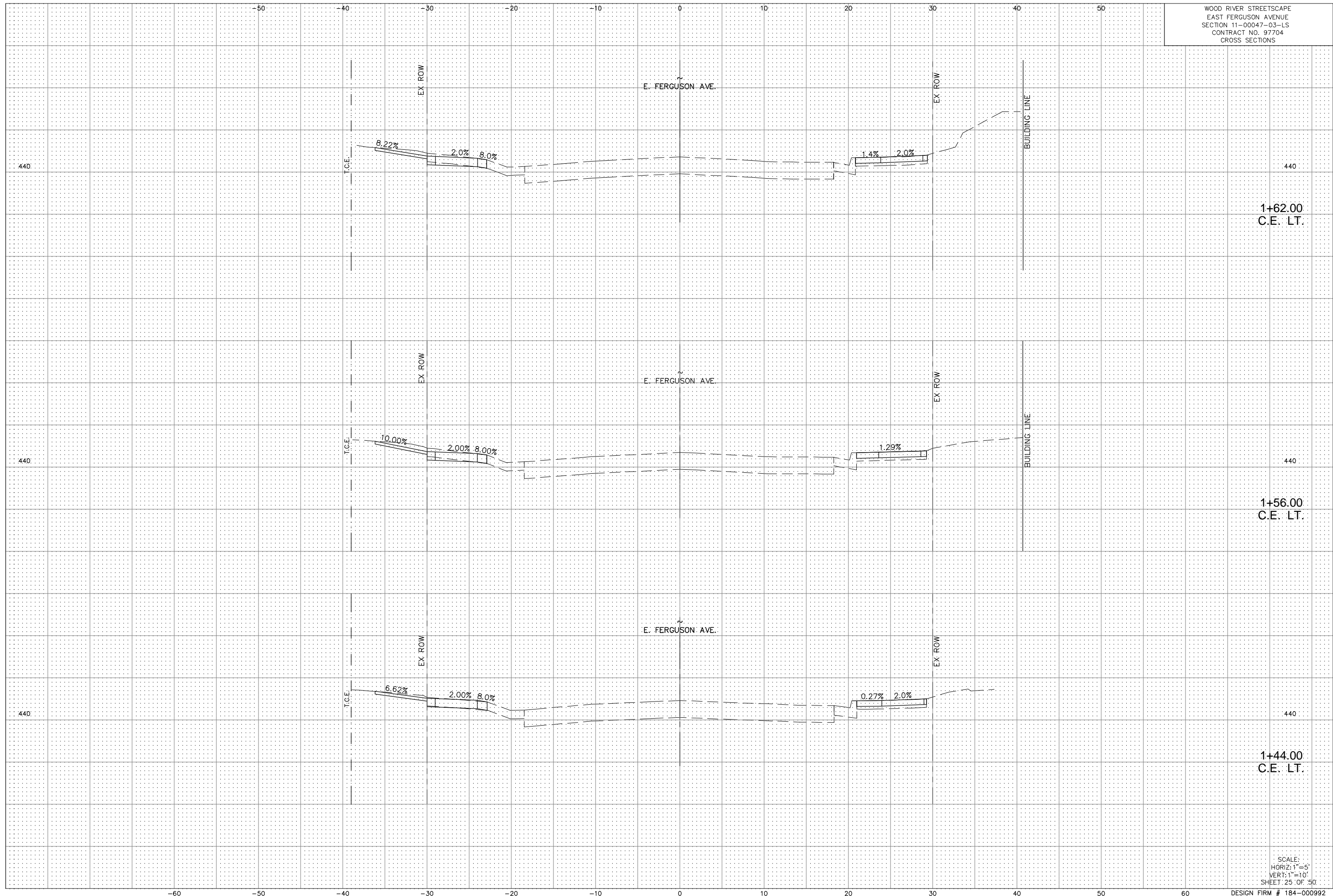
440

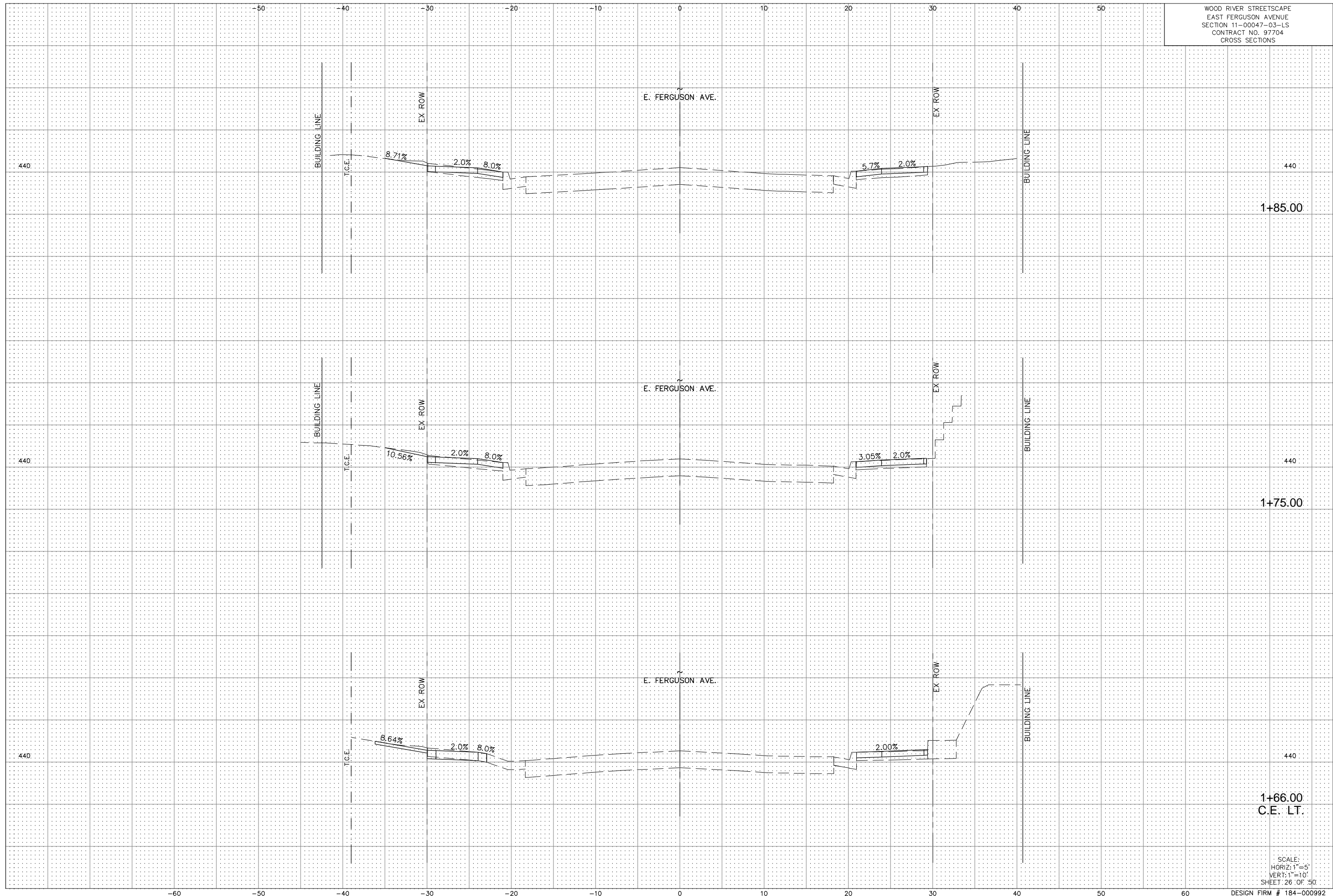
440

1+15.00









440

440

1+85.00

440

440

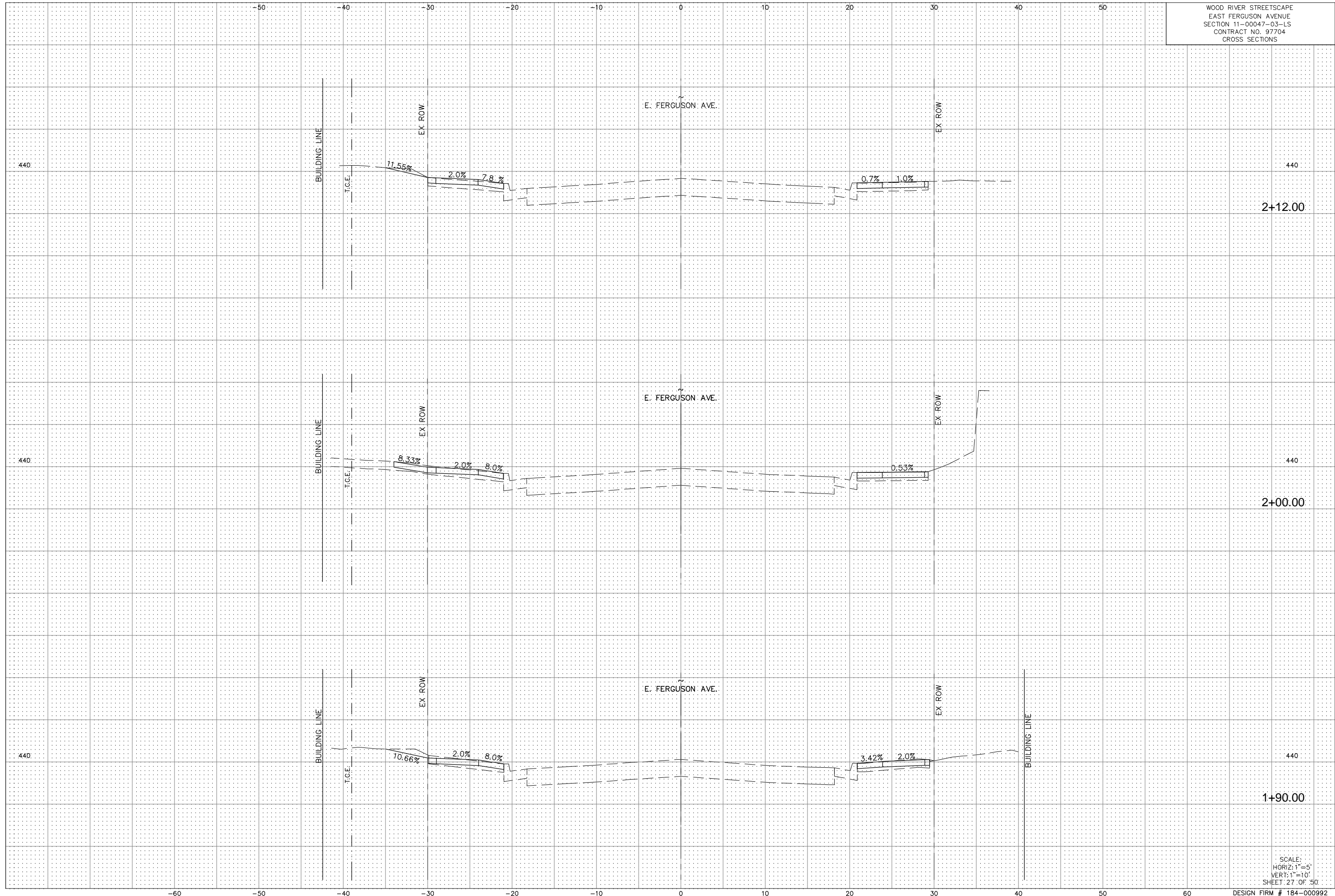
1+75.00

440

440

1+66.00  
C.E. LT.

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=10'  
SHEET 26 OF 50



E. FERGUSON AVE.

440

440

2+33.50

EX ROW

BUILDING LINE

EX ROW

1.7%

1.7%

2.0%

EX SAN SEWER

E. FERGUSON AVE.

440

440

2+25.00

EX ROW

BUILDING LINE

EX ROW

T.C.E.

1.98%

1.68%

E. FERGUSON AVE.

440

440

2+20.00

BUILDING LINE

EX ROW

EX ROW

T.C.E.

2.0%

3.75%

2.53%

2.0%

E. FERGUSON AVE.

435

435

2+75.00

BUILDING LINE

EX ROW

1.6%

10.30%

2.0%

8.0%

EX ROW

BUILDING LINE

440

440

2+50.00

E. FERGUSON AVE.

BUILDING LINE

EX ROW

2.0%

5.06%

1.5%

EX ROW

BUILDING LINE

440

440

2+38.00

E. FERGUSON AVE.

BUILDING LINE

EX ROW

1.2%

1.5%

2.0%

EX ROW

BUILDING LINE

E. FERGUSON AVE.

440

440

435

435

3+13.00  
C.E. RT.

E. FERGUSON AVE.

435

435

3+00.00

E. FERGUSON AVE.

435

435

2+96.00

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=10'  
SHEET 30 OF 50

E. FERGUSON AVE.

435

435

3+51.50  
C.E. RT.

BUILDING LINE

EX ROW

EX ROW

2.0%

9.0%

2.00%

7.53%

9.05%

440

440

E. FERGUSON AVE.

BUILDING LINE

EX ROW

EX ROW

1.0%

1.39%

435

435

3+30.00

E. FERGUSON AVE.

440

440

BUILDING LINE

EX ROW

EX ROW

2.0%

3.7%

7.98%

2.00%

10.0%

435

435

3+17.00  
C.E. RT.

E. FERGUSON AVE.

435

435

3+90.00

BUILDING LINE

EX ROW

2.00% 8.5%

BUILDING LINE

EX ROW

1.28%

E. FERGUSON AVE.

435

435

3+77.00

EX ROW

2.00% 5.3%

BUILDING LINE

EX ROW

1.68%

E. FERGUSON AVE.

435

435

3+63.00  
C.E. RT.

BUILDING LINE

EX ROW

2.0%

EX ROW

12.74% 4.74% 1.21%



E. FERGUSON AVE.

EX SAN SEWER

435

435

430

4+25.00

2.00% 2.82%

1.37%

E. FERGUSON AVE.

435

435

4+10.00

2.00% 5.21%

1.86%

E. FERGUSON AVE.

435

435

4+00.00

2.00% 6.6%

1.42%

435

435

EX ROW

EX ROW

0.8%

1.2%

430

430

4+75.00

435

435

EX ROW

E. FERGUSON AVE.

EX ROW

1.68%

1.1%

4+60.00  
C.E. LT.

435

435

EX ROW

E. FERGUSON AVE.

EX ROW

3.42% 2.00% 9.5%

1.1%

4+50.00  
C.E. LT.

-60

-50

-40

-30

-20

-10

0

10

20

30

40

50

60

DESIGN FIRM # 184-000992

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=10'  
SHEET 34 OF 50

E. FERGUSON AVE.

435

435

1.34%

1.22%

430

430

5+03.00

E. FERGUSON AVE.

435

435

1.60%

1.28%

5+00.00

E. FERGUSON AVE.

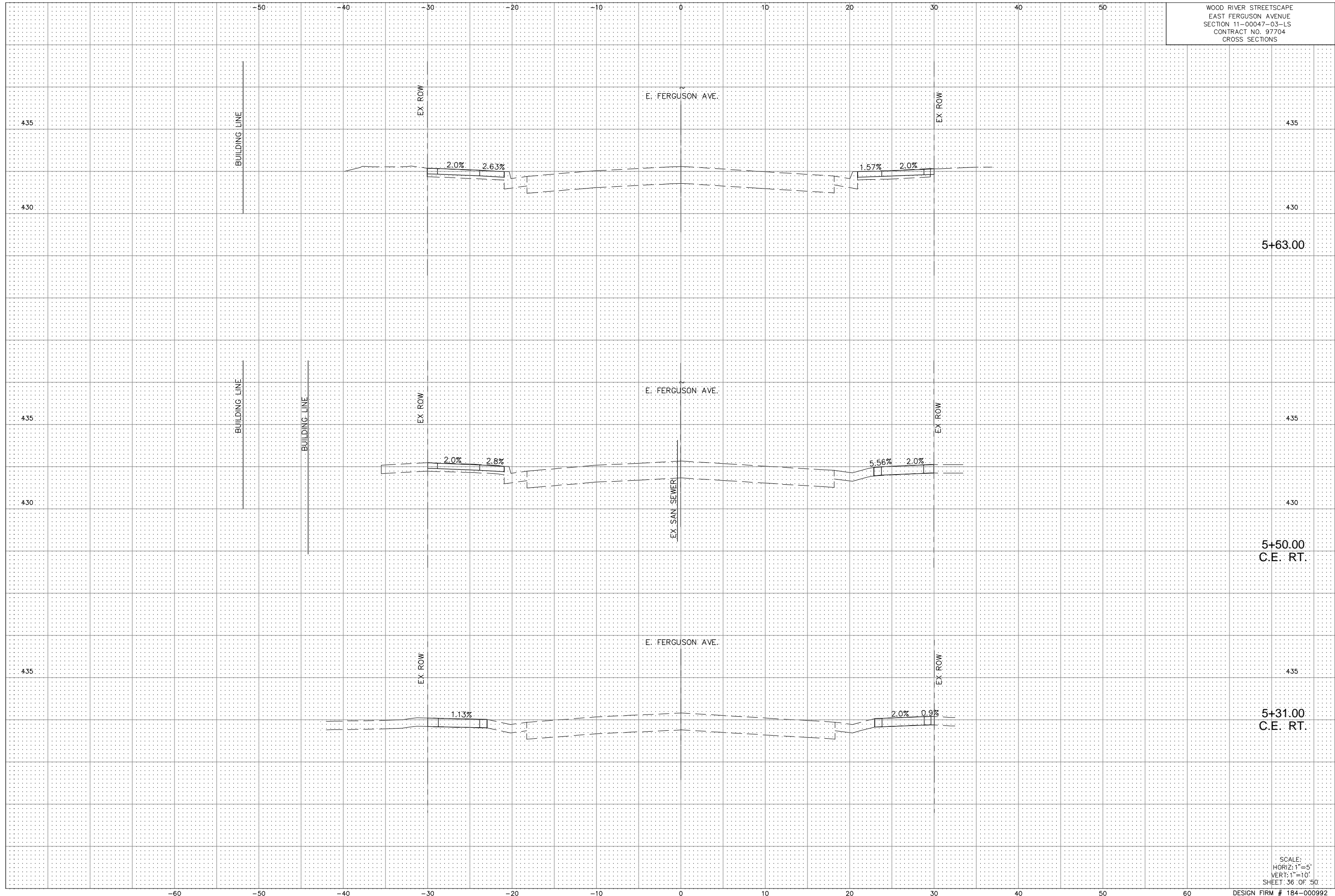
435

435

0.57%

1.86%

4+82.00



5+63.00

5+50.00  
C.E. RT.

5+31.00  
C.E. RT.

E. FERGUSON AVE.

435

435

430

430

15+18.00

E. FERGUSON AVE.

435

435

430

430

15+00.00

E. FERGUSON AVE.

435

435

430

430

14+75.00

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=10'  
SHEET 37 OF 50

E. FERGUSON AVE.

435

BUILDING LINE

2.00% 2.07%

BUILDING LINE

1.35%

435

15+50.00

E. FERGUSON AVE.

435

EX ROW

1.68%

BUILDING LINE

1.66%

435

15+30.00

E. FERGUSON AVE.

435

EX ROW

1.71%

BUILDING LINE

1.67%

435

15+25.00

E. FERGUSON AVE.

EX ROW

435

2.00% 3.11%

2.33% 2.00%

435

15+75.00

E. FERGUSON AVE.

EX ROW

EX ROW

435

2.00% 2.74%

2.32% 2.00%

435

15+67.00

E. FERGUSON AVE.

EX ROW

EX ROW

435

2.00% 3.13%

1.98%

435

15+59.00

E. FERGUSON AVE.

435

435

16+00.00

BUILDING LINE

EX ROW

EX ROW

4.49% 2.00%

2.00% 15.90%

E. FERGUSON AVE.

435

435

15+93.00

BUILDING LINE

EX ROW

EX ROW

1.11% 2.00%

2.00% 8.9%

E. FERGUSON AVE.

435

435

15+83.00

BUILDING LINE

EX ROW

EX ROW

0.24% 2.00%

2.00% -0.28%



E. FERGUSON AVE.

435

435

16+50.00

EX ROW

BUILDING LINE

EX ROW

6.50% 2.00% 6.00% 2.00% 0.82%

E. FERGUSON AVE.

435

435

16+33.00

EX ROW

BUILDING LINE

EX ROW

1.09% 2.00% 6.00% 2.00% 4.59%

E. FERGUSON AVE.

435

435

16+25.00

BUILDING LINE

EX ROW

EX ROW

4.90% 2.00% 6.00% 2.00% 1.41%

E. FERGUSON AVE.

435

435

16+83.00

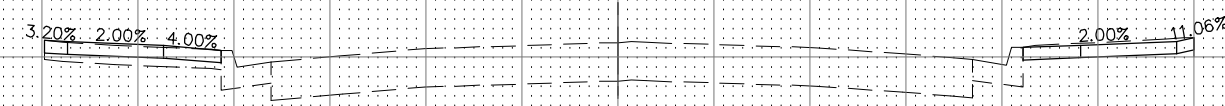


E. FERGUSON AVE.

435

435

16+75.00

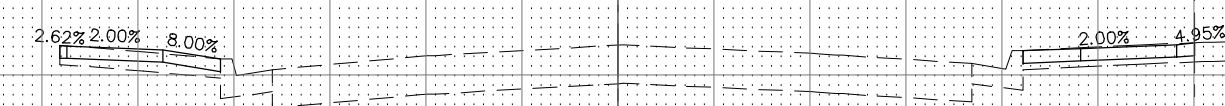


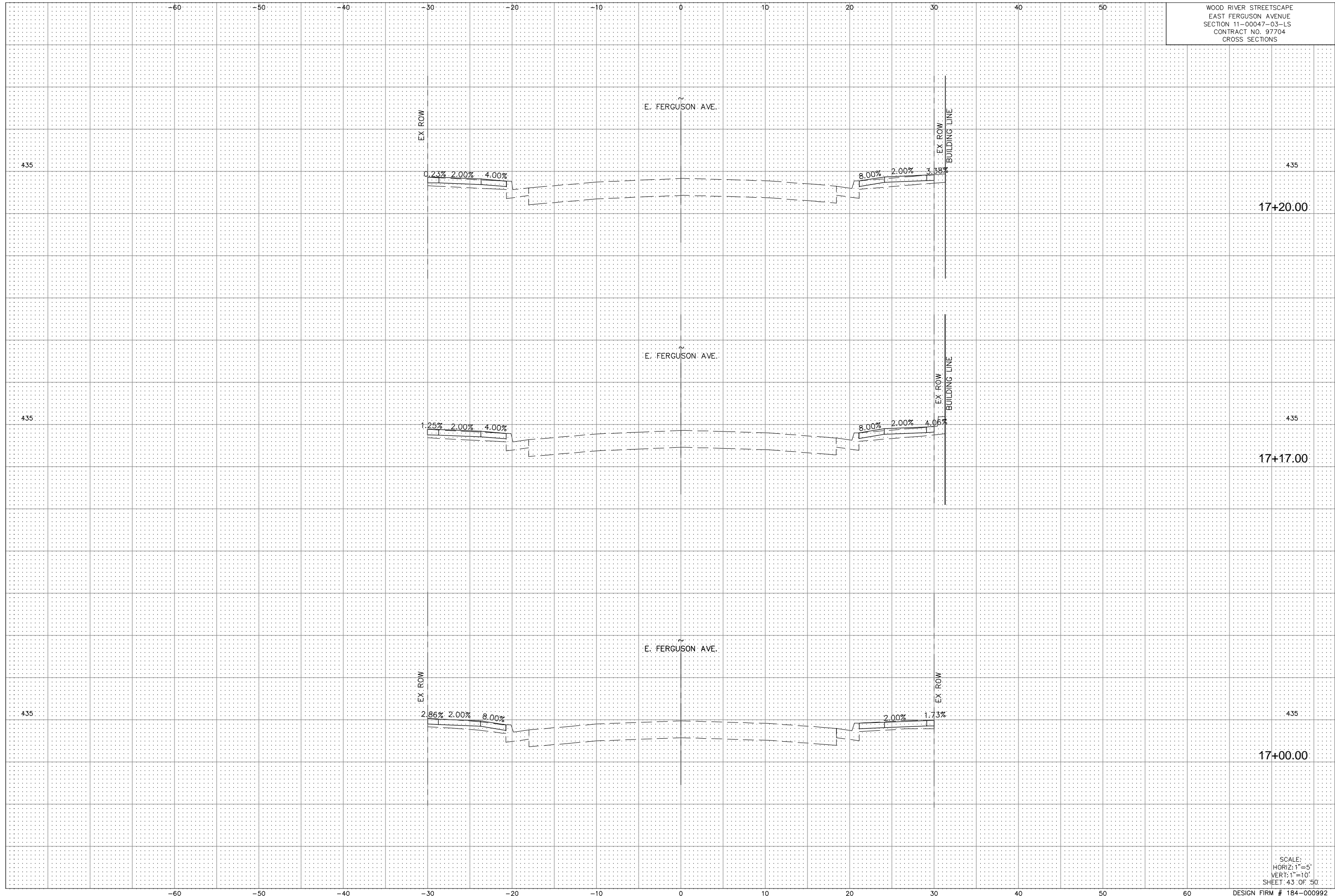
E. FERGUSON AVE.

435

435

16+55.00





E. FERGUSON AVE.

435

435

2.00%

2.00%

11.48%

EX ROW

430

430

17+59.00

E. FERGUSON AVE.

435

435

2.00%

6.46%

2.00%

EX ROW

17+44.00  
C.E. RT.

E. FERGUSON AVE.

435

435

0.85%

6.00%

2.00%

1.56%

EX ROW

EX ROW

BUILDING LINE

17+30.00

E. FERGUSON AVE.

435

435

430

430

18+00.00  
C.E. LT.

E. FERGUSON AVE.

435

435

430

430

17+90.00  
C.E. LT.

E. FERGUSON AVE.

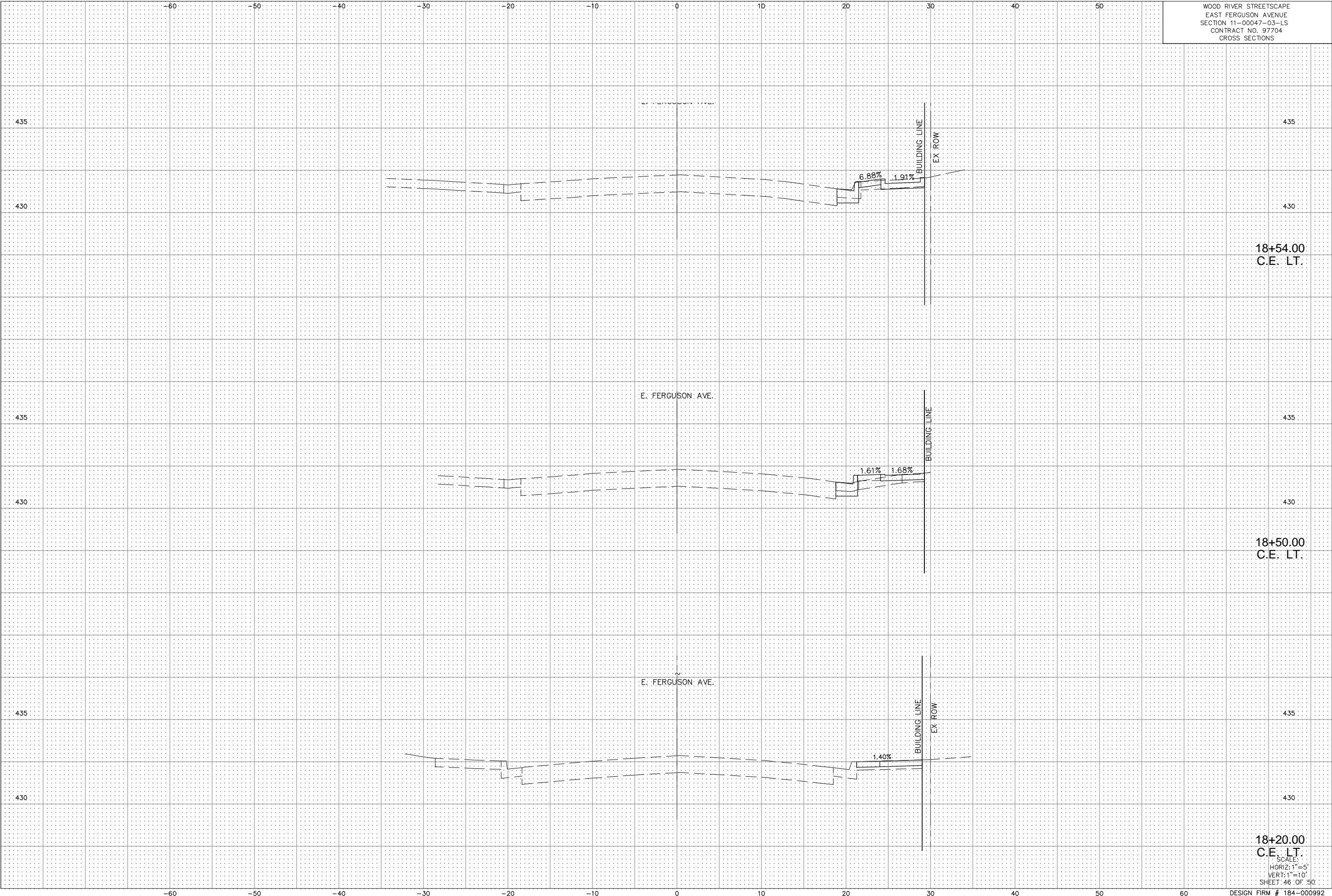
435

435

430

430

17+75.00  
C.E. LT.

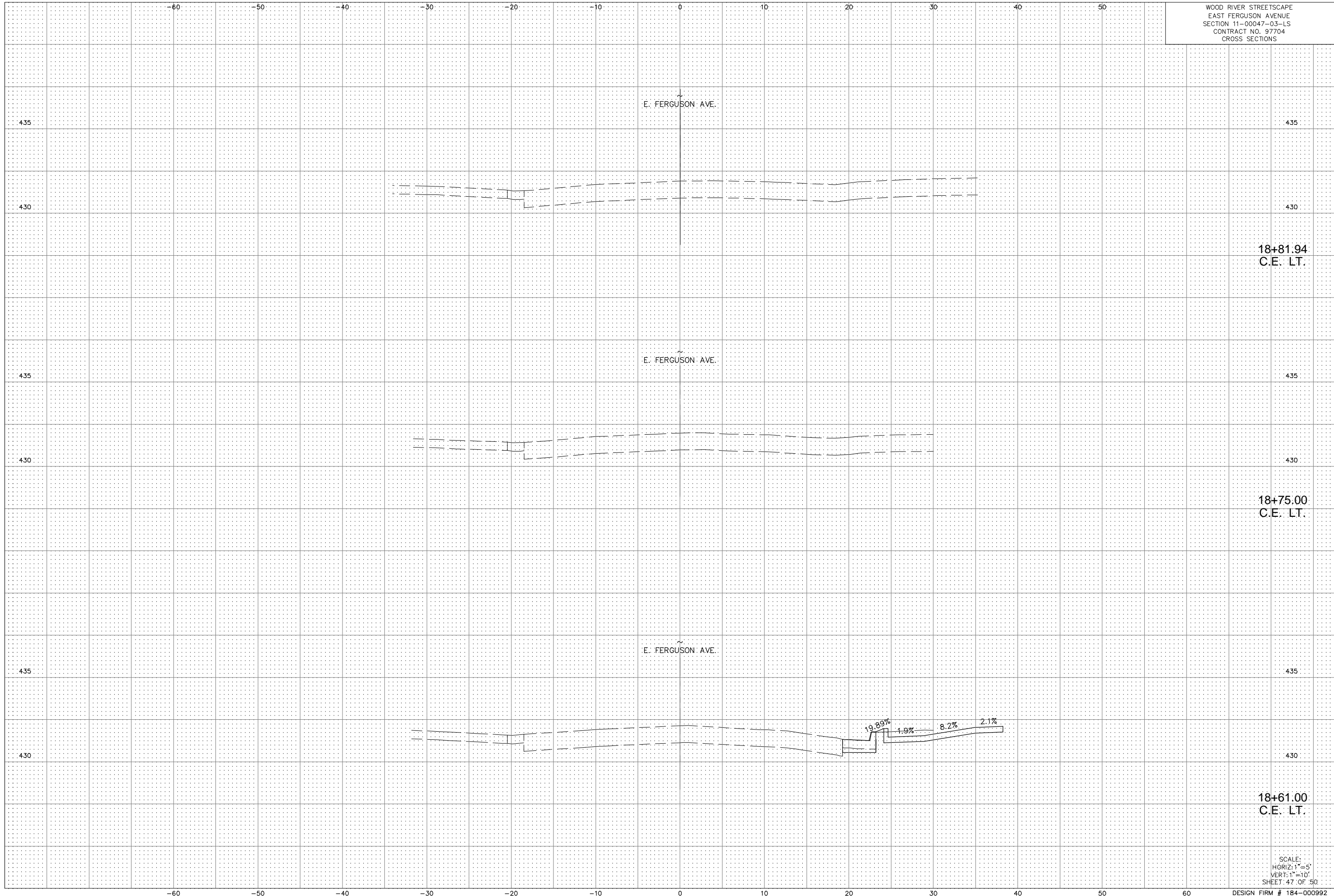


18+54.00  
C.E. LT.

18+50.00  
C.E. LT.

18+20.00  
C.E. LT.

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=10'  
SHEET 46 OF 50

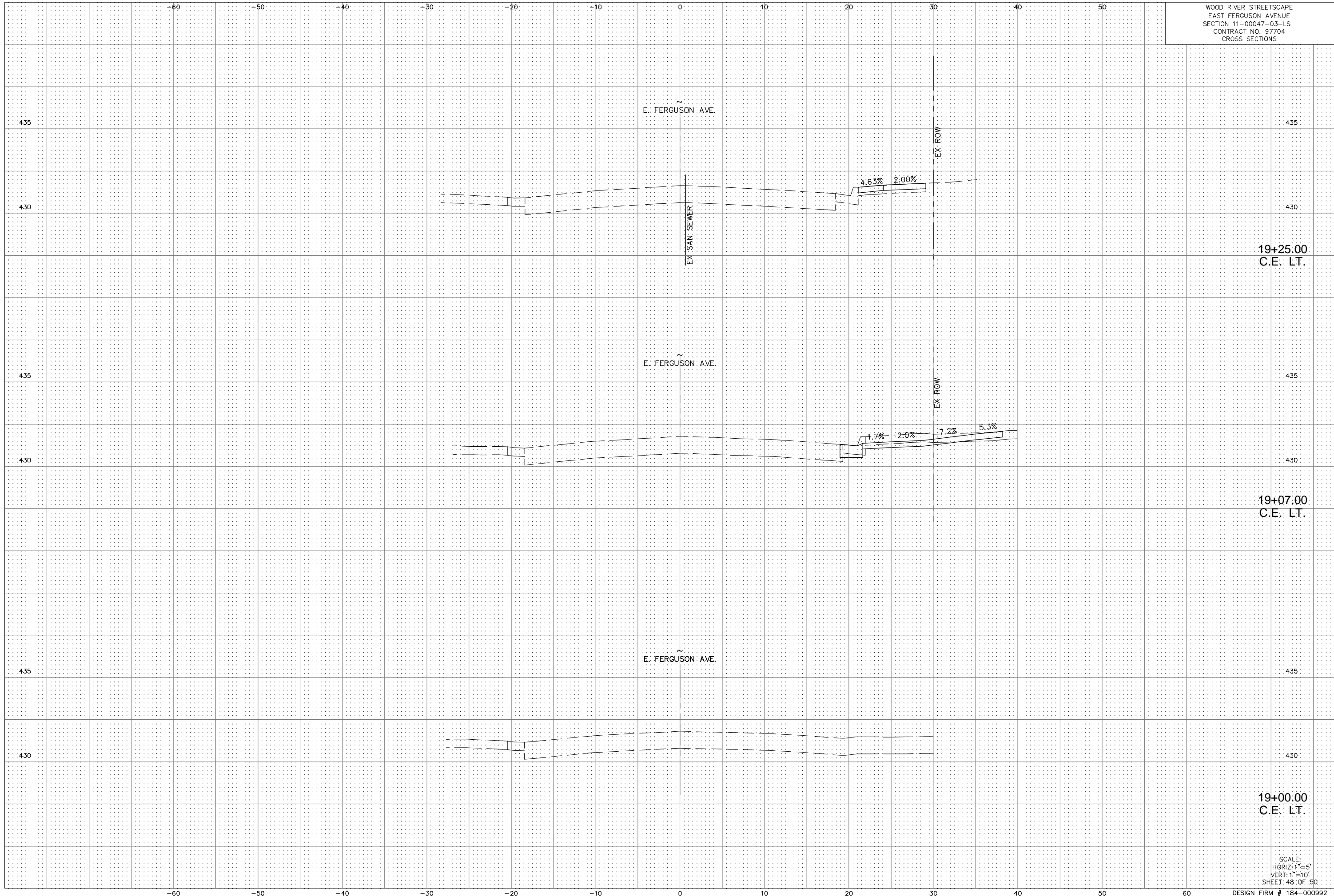


18+81.94  
C.E. LT.

18+75.00  
C.E. LT.

18+61.00  
C.E. LT.

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=10'  
SHEET 47 OF 50



19+25.00  
C.E. LT.

19+07.00  
C.E. LT.

19+00.00  
C.E. LT.

SCALE:  
HORIZ: 1"=5'  
VERT: 1"=10'  
SHEET 48 OF 50



435

435

E. FERGUSON AVE.

430

430

2.00%

19+95.00

EX ROW

435

435

E. FERGUSON AVE.

430

430

2.00%

19+75.00

EX ROW

435

435

E. FERGUSON AVE.

430

430

1.81%

19+50.00

C.E. LT.

EX ROW

