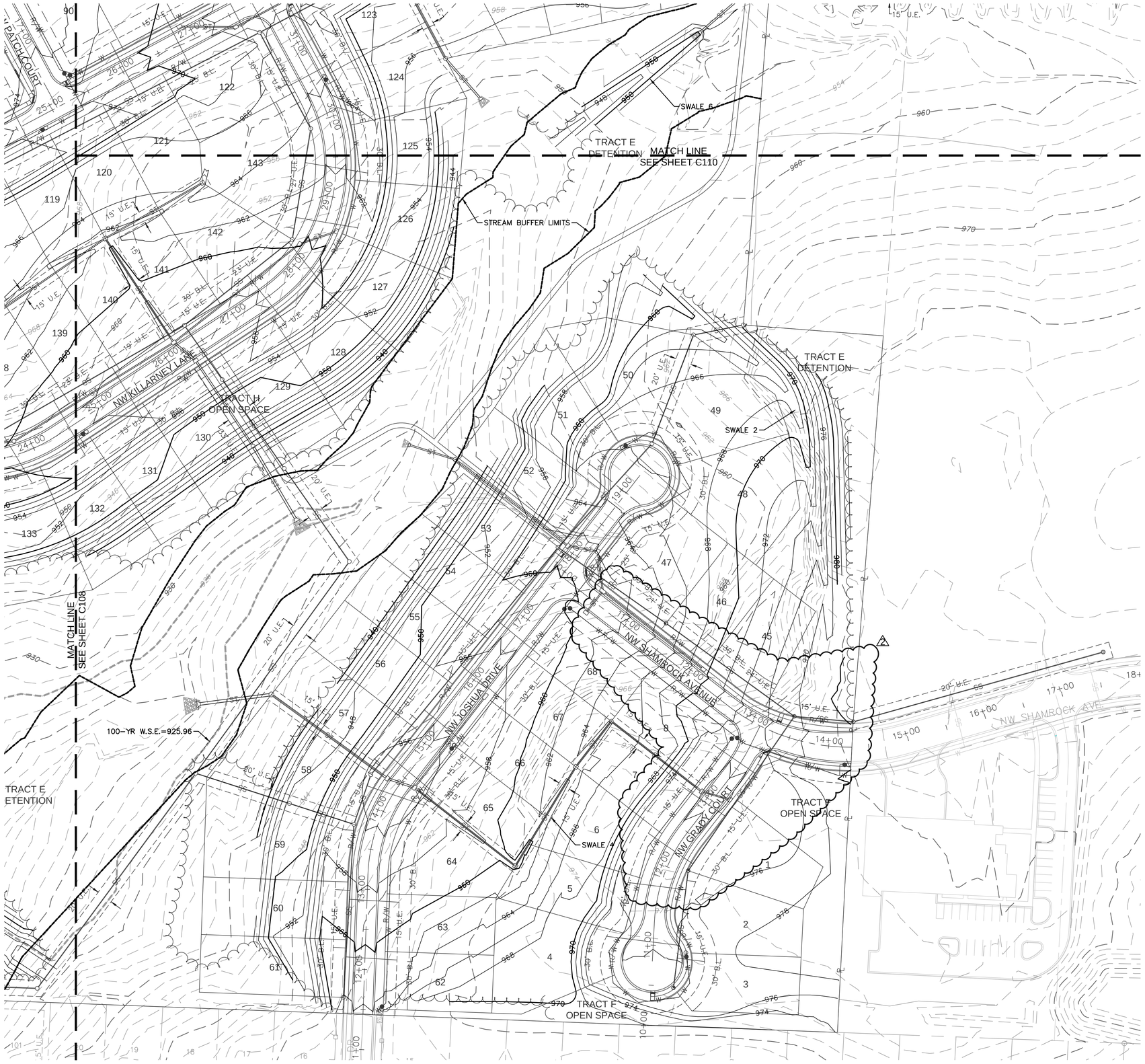
Woodside Ridge Lot Fill Information	
Lot Number	Over 8' fill placed
1	
2	
3	
4	
5	
6	
7	
8	
45	14'
46	13'
47	16'
48	13'
49	
50	12'
51	16'
52	22'
53	20'
54	14'
55	10'
56	10'
57	
58	
59	
60	
61	
62	
63	
64	
65	
66	
67	
68	
125	15'
126	16'
127	17'
128	17'
129	16'
130	12'
131	9'
132	9'
140	
141	
142	13'
143	12'



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DATE: Oct 30, 2019 10:53pm

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2301 NW SHAMROCK AVENUE
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TEL 816.361.1177
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STATE OF MISSOURI
JULIE ELAINE SELLERS
NUMBER PE-2017000367
11/14/2019
PROFESSIONAL ENGINEER

NO. REV.	DATE	REVISIONS DESCRIPTION	BY
1	4/2/2019	REVISED PER CITY COMMENTS	
2	10/31/2019	REVISED PER CITY COMMENTS	

REVISIONS

GRADING PLAN
STREET & STORM SEWER PLANS

WOODSIDE RIDGE
FIRST PLAT

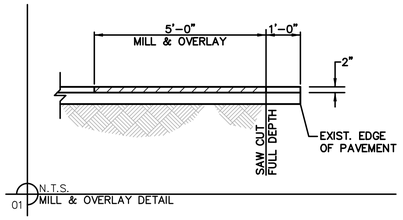
LEE'S SUMMIT, MO

2019

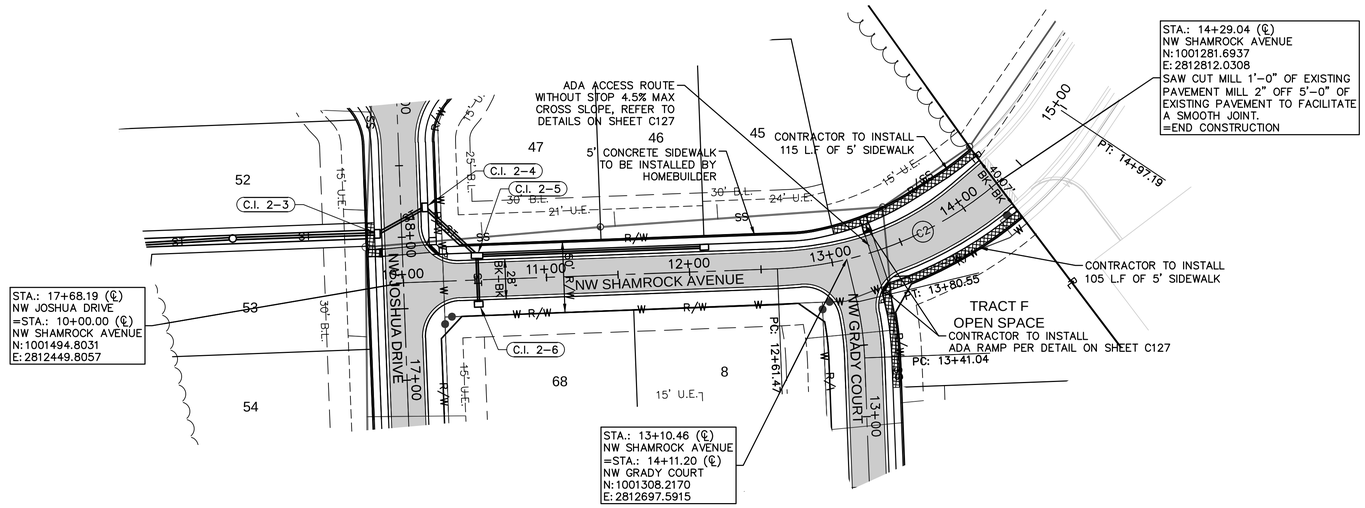
drawn by: D.A.H.O
checked by: J.E.S
designed by: S.M.S
QA/QC by: M.G.D
project no.: A18-1140
date: 2019.03.12

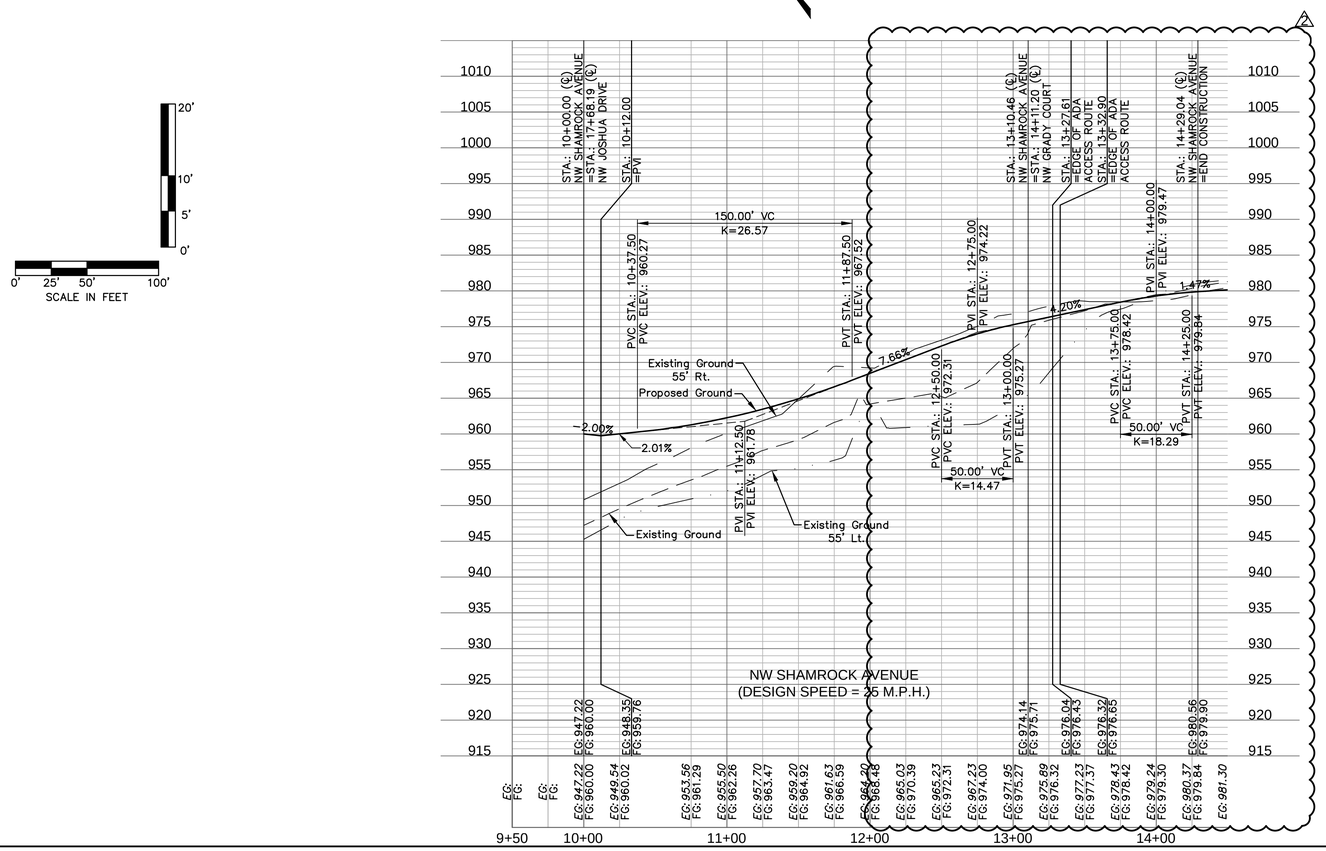
SHEET
C109

CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	TANGENT (FT)	P.I. STA. (BK.)
C2	250.00'	54°01'18"	235.71'	127.44'	13+88.91



LEGEND	
	CONCRETE SIDEWALK
	ASPHALT PAVEMENT
	CG-2 CURB & GUTTER





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NORTH KANSAS CITY, MO 64116
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JULIE ELAINE SELLERS
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REVISIONS

ROADWAY PLAN & PROFILE
STREET & STORM SEWER PLANS

WOODSIDE RIDGE
FIRST PLAT

LEE'S SUMMIT, MO

2019

drawn by: D.A.H.O
checked by: J.E.S
designed by: S.M.S
QA/QC by: M.G.D
project no.: A18-1140
date: 2019.03.12

SHEET
C116

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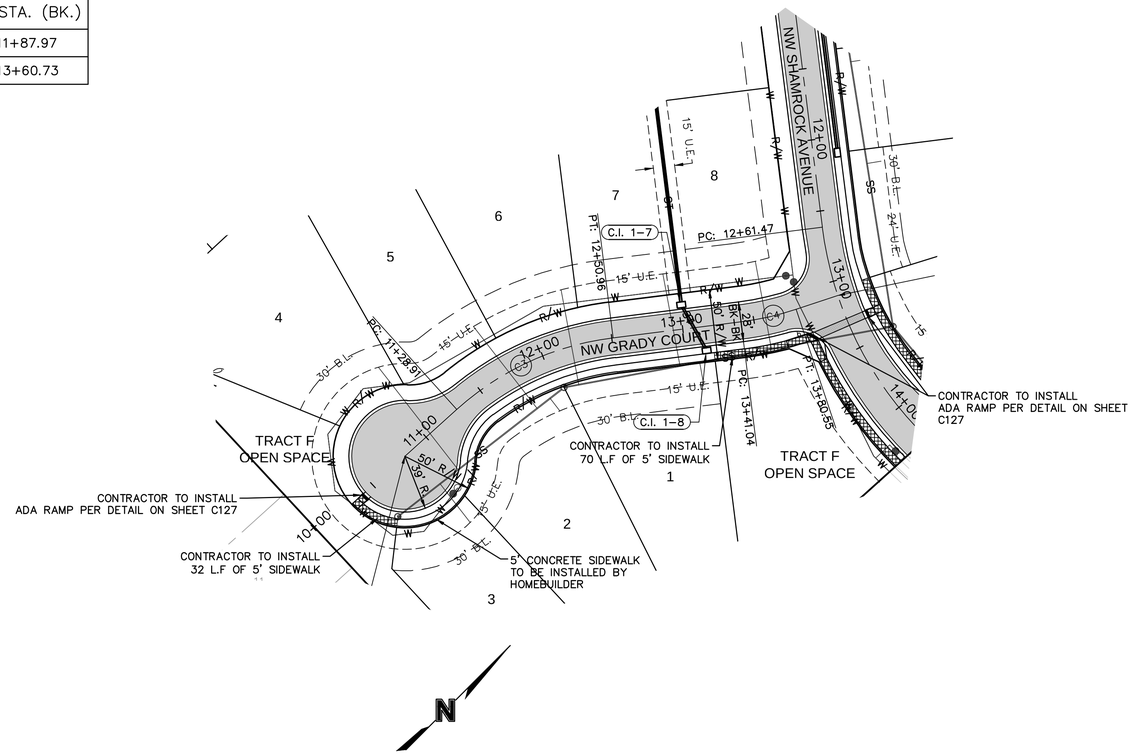
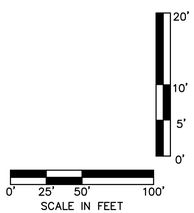
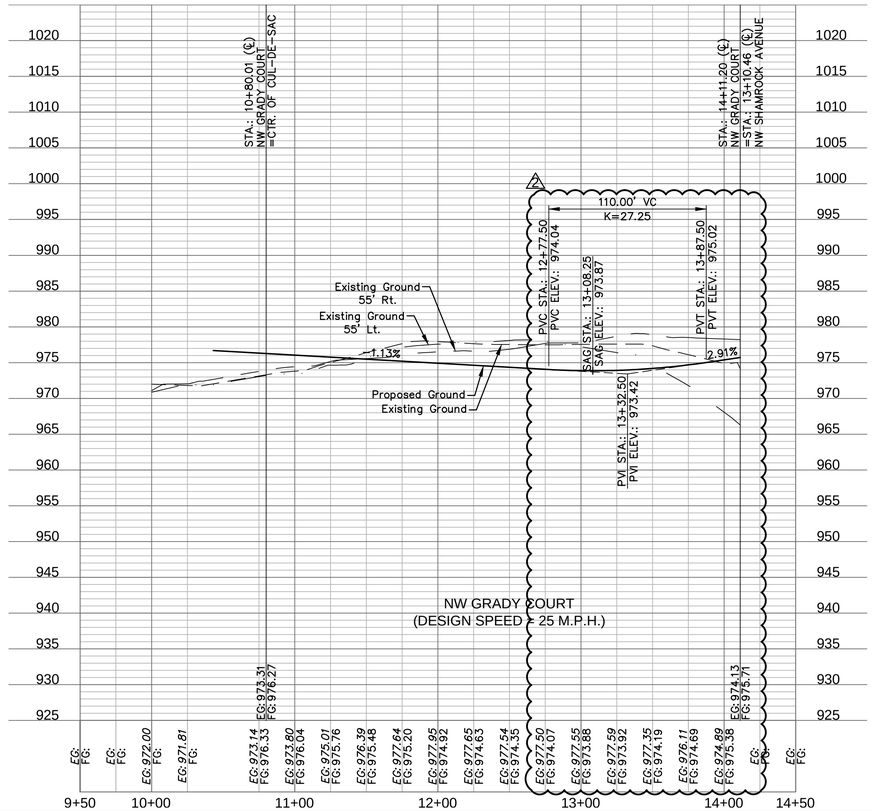
DATE: Oct 30, 2019 11:01pm

CURVE TABLE					
CURVE ID	RADIUS (FT)	DELTA	LENGTH (FT)	TANGENT (FT)	P.I. STA. (BK.)
C3	200.00'	34°57'50"	122.05'	62.99'	11+87.97
C4	200.00'	11°19'00"	39.51'	19.82	13+60.73

LEGEND	
	CONCRETE SIDEWALK
	ASPHALT PAVEMENT
	CG-2 CURB & GUTTER







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STATE OF MISSOURI
JULIE ELAINE SELLERS
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11/14/2019
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REVISIONS

ROADWAY PLAN & PROFILE
STREET & STORM SEWER PLANS

WOODSIDE RIDGE
FIRST PLAT

LEE'S SUMMIT, MO

2019

drawn by: D.A.H.O
checked by: J.E.S
designed by: S.M.S
QA/QC by: M.S.D
project no.: A18-1140
date: 2019.03.12

SHEET
C117

DWG: F:\2018\1001-1500\018-1140-A\40-Design\AutoCAD\Final Plans\Sheets\GNCV\01_Street & Storm_36x24\C_RPP03_1140A.dwg USER: ssaylor
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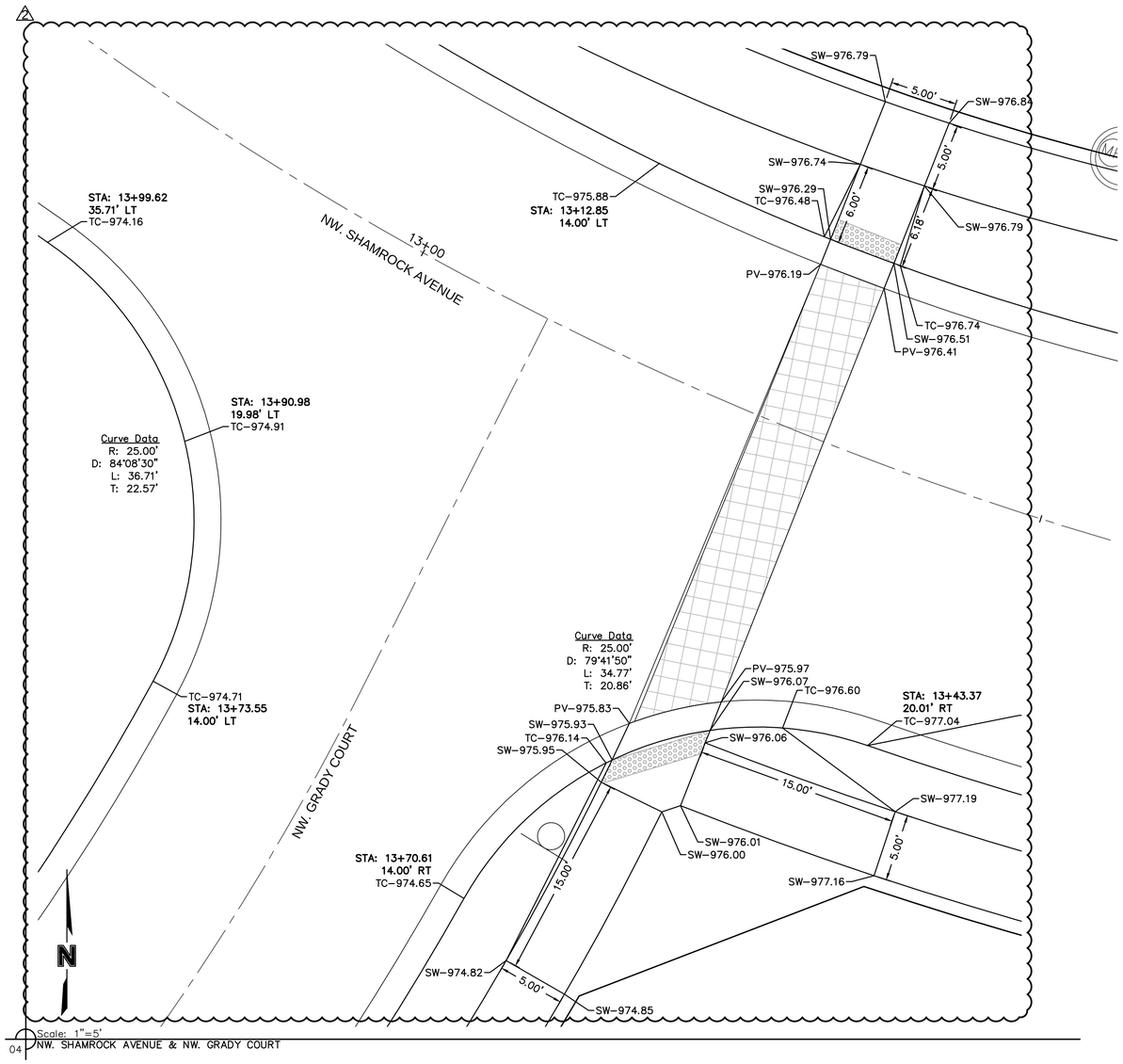

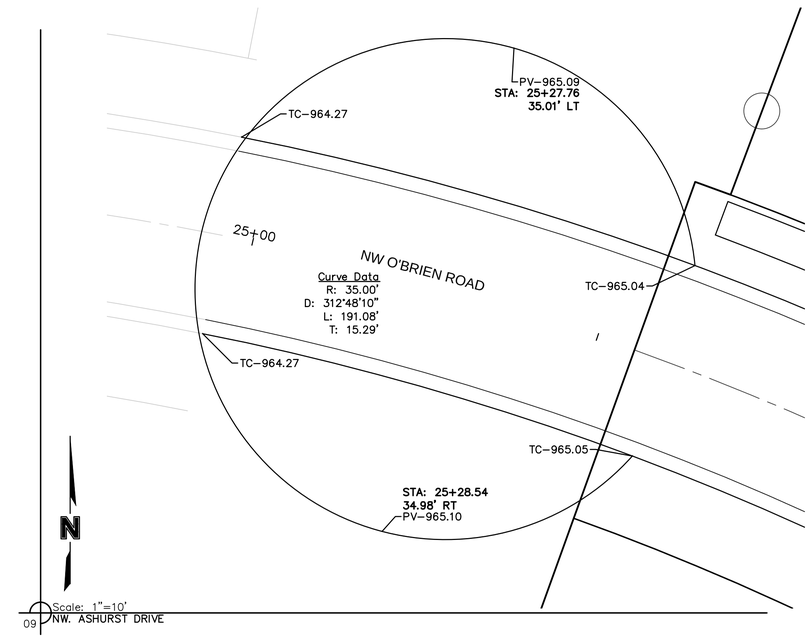

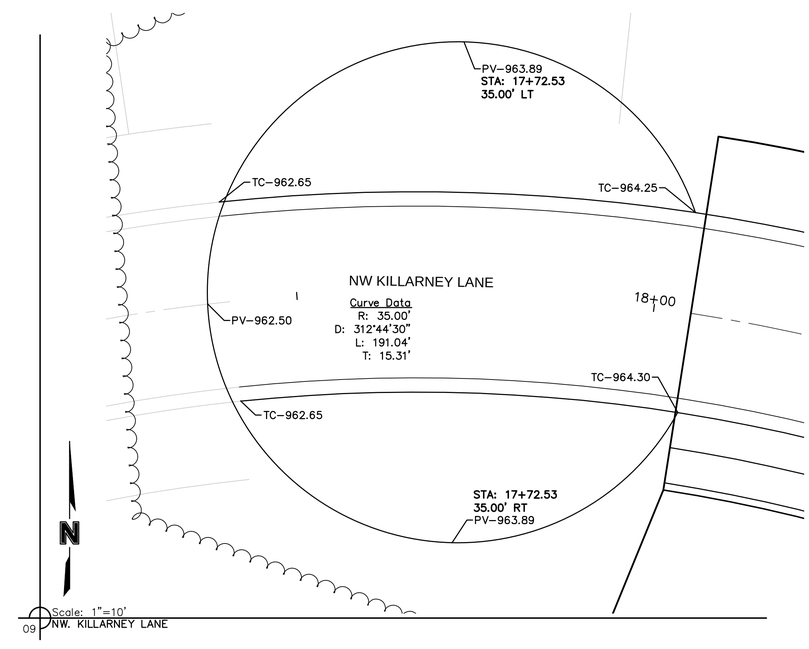

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STATE OF MISSOURI
JULIE ELAINE SELLERS
NUMBER PE-2017000367
11/14/2019
PROFESSIONAL ENGINEER

NO. REV.	DATE	REVISIONS DESCRIPTION	BY
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2	10/31/2019	REVISED PER CITY COMMENTS	

REVISIONS

INTERSECTION DETAILS
STREET & STORM SEWER PLANS

WOODSIDE RIDGE
FIRST PLAT

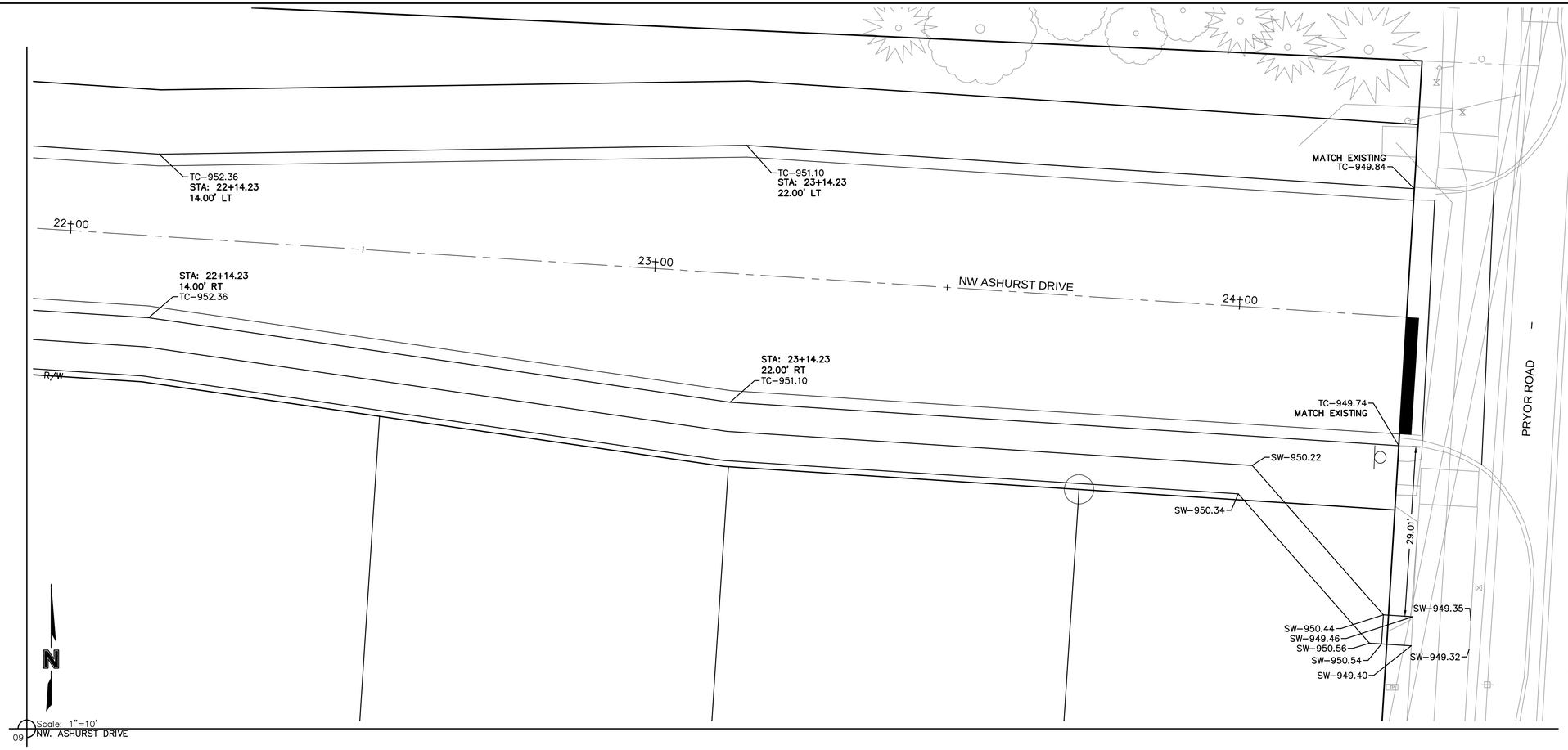
LEE'S SUMMIT, MO

2019

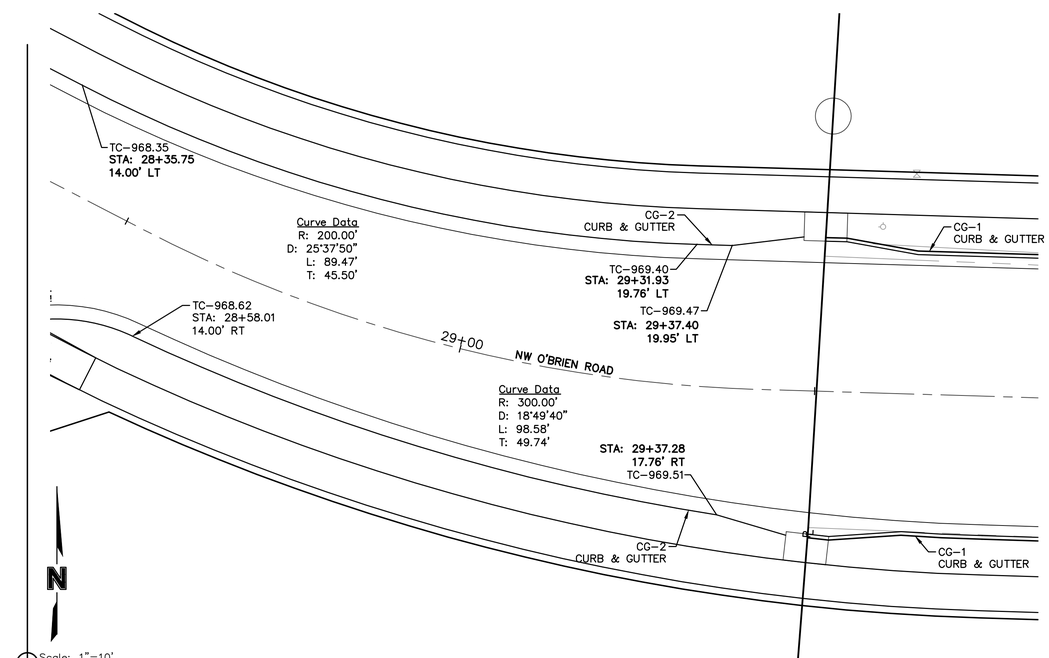
drawn by: D.A.H.O
checked by: J.E.S
designed by: S.M.S
QA/QC by: M.G.D
project no.: A18-1140
date: 2019.03.12

SHEET
C130

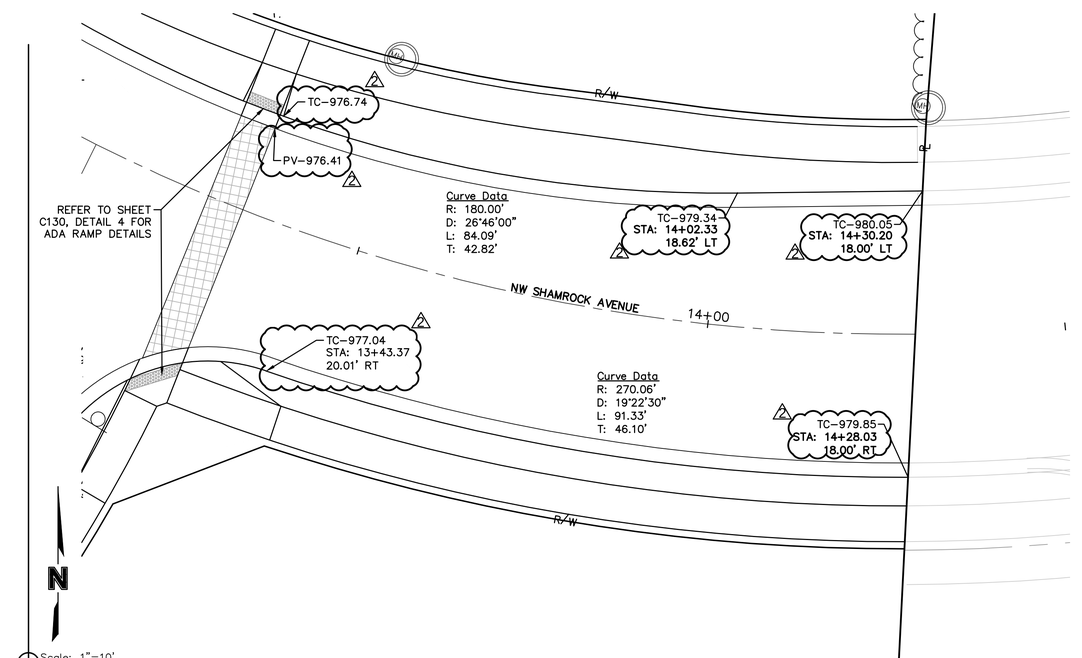
DWG: F:\2018\1001-1500\018-1140-A\40-Design\AutoCAD\Final Plans\Sheets\GNCV\01_Street & Storm_36x24\C_SPT01_1140A.dwg USER: ssaylor
DATE: Oct 30, 2019 11:11pm



09 Scale: 1"=10'
NW. ASHURST DRIVE



10 Scale: 1"=10'
NW. O'BRIEN ROAD



11 Scale: 1"=10'
NW. SHAMROCK AVENUE

DWG: F:\2018\1001-1500\018-1140-A\40-Design\AutoCAD\Final Plans\Sheets\GNCV\01_Street & Storm_36x24\C_SPT01_1140A.dwg USER: ssoylor
DATE: Oct 30, 2019 11:12pm

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TEL 816.361.1177

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STATE OF MISSOURI
JULIE ELAINE SELLERS
NUMBER PE-2017000367
11/14/2019
PROFESSIONAL ENGINEER

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REVISIONS

INTERSECTION DETAILS
STREET & STORM SEWER PLANS

WOODSIDE RIDGE
FIRST PLAT

LEE'S SUMMIT, MO

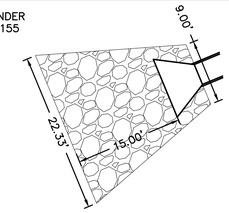
2019

drawn by: D.A.H.O
checked by: J.E.S
designed by: S.M.S
QA/QC by: M.G.D
project no.: A18-1140
date: 2019.03.12

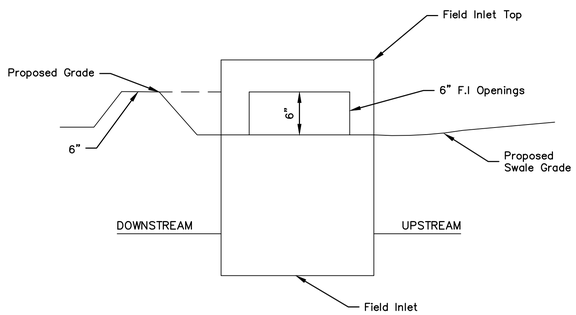
SHEET
C131

Riprap Calculations							
End Section	Q_{100} (cfs)	Pipe Diameter (ft)	Class*	D50* (in)	Apron Length (ft)	Apron Depth (ft)	Area (SY)
E.S. 1-0	44.33	3	3	10	15	2.00	31.5
*Per Table 10.1 HEC 14-FHWA-Energy Dissipators Pg. 10-18							

NOTE: GEOFABRIC IS REQUIRED UNDER RIP RAP PER DETAIL ON SHEET C155

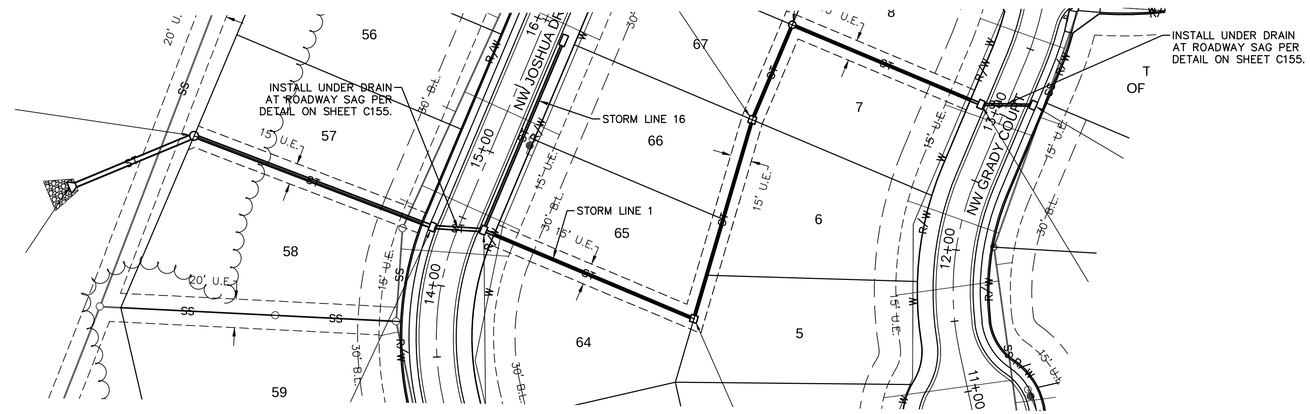


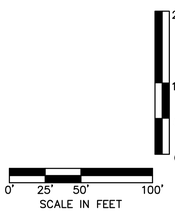
E.S. 1–0
SCALE 1–10'



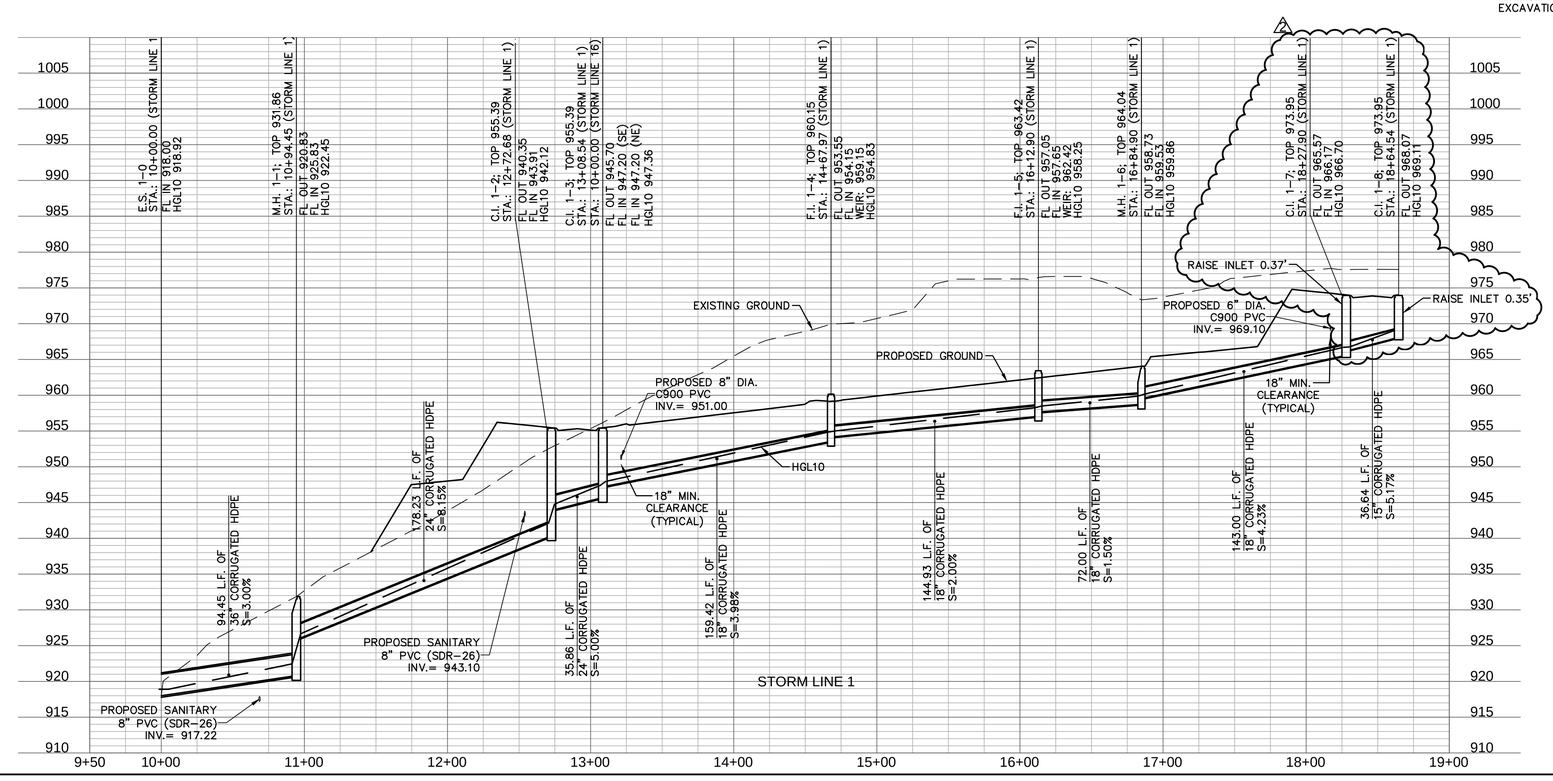
F.I. SUMP DETAIL
NOT TO SCALE

NOTE: INCLUDE SUMP PER DETAIL WHERE FIELD INLETS ARE LOCATED WITHIN SWALES.





NOTE: CONTRACTOR SHALL FILL AND COMPACT TO 95% STANDARD DENSITY TO A POINT 18" MINIMUM ABOVE THE TOP OF PIPE PRIOR TO EXCAVATION FOR THE PIPE.



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STATE OF MISSOURI
JULIE ELAINE SELLERS
NUMBER PE-2017000367
11/14/2019
PROFESSIONAL ENGINEER

NO. REV.	DATE	REVISIONS DESCRIPTION	BY
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REVISIONS

STORM SEWER PLAN & PROFILE
STREET & STORM SEWER PLANS

WOODSIDE RIDGE
FIRST PLAT

LEE'S SUMMIT, MO

2019

drawn by: D.A.H.Q
checked by: J.E.S
designed by: S.M.S
Q/A/QC by: M.G.D
project no.: A18-1140
date: 2019.03.12

SHEET
C132

DWG: F:\2018\1001–1500\018–1140–A\40–Design\AutoCAD\Final Plans\Sheets\GNCV\01_Street & Storm_36x24\C_STM01_1140A.dwg USER: ssoylor
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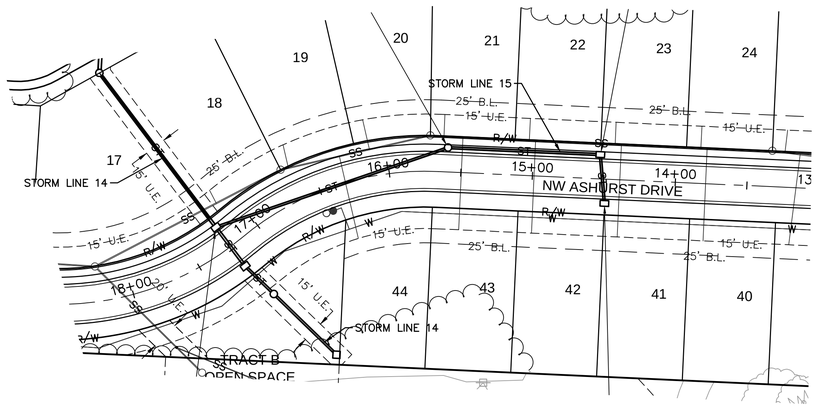

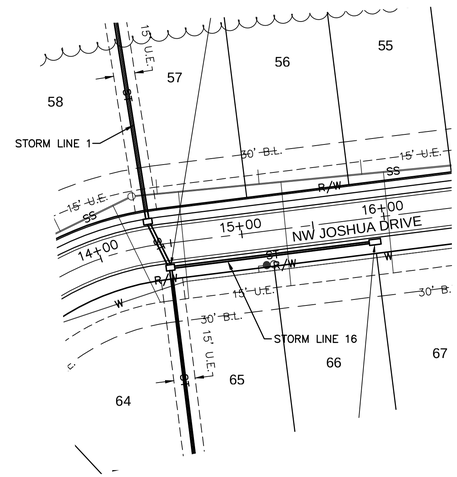

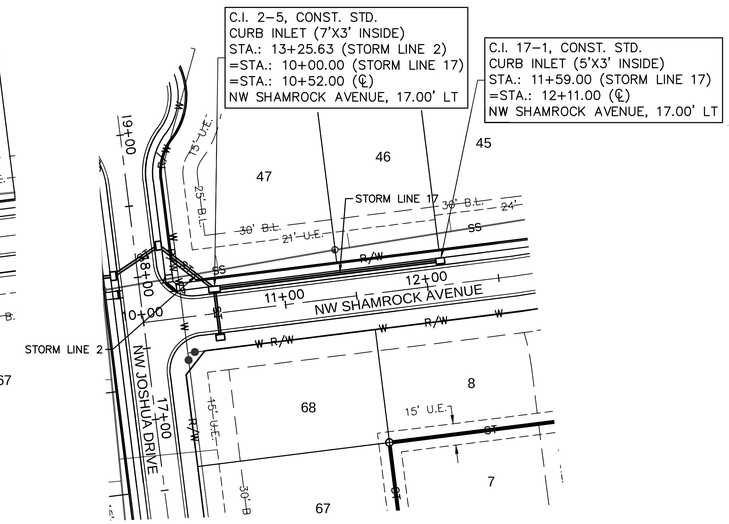

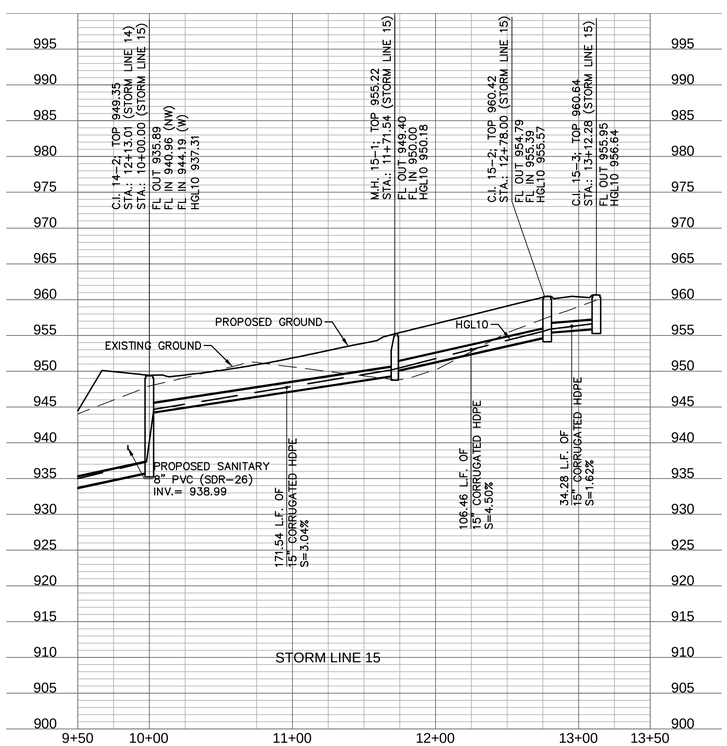

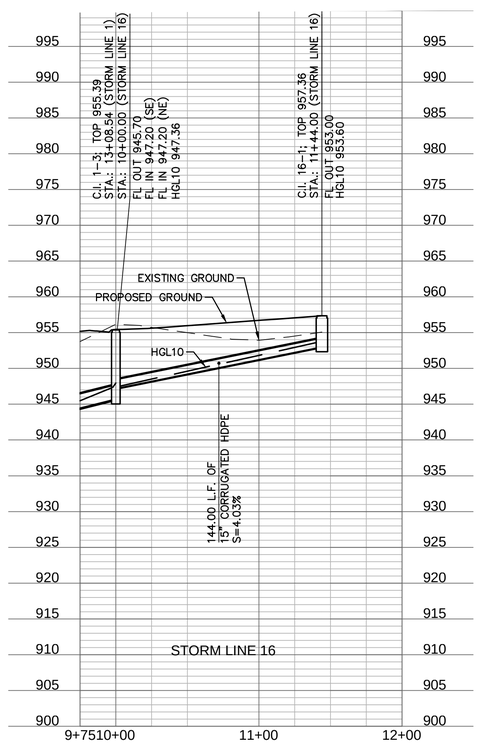

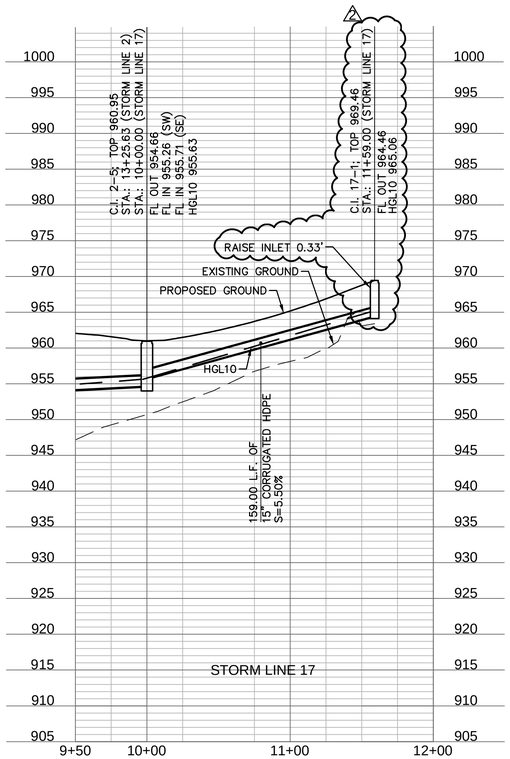

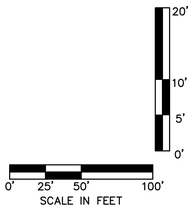

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NORTH KANSAS CITY, MO 64116
TEL 816.361.1177
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STATE OF MISSOURI
JULIE ELAINE SELLERS
NUMBER PE-2017000367
PROFESSIONAL ENGINEER
12/14/2018

NO. REV.	DATE	REVISIONS DESCRIPTION	BY
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REVISIONS

STORM SEWER PLAN & PROFILE
STREET & STORM SEWER PLANS

WOODSIDE RIDGE
FIRST PLAT

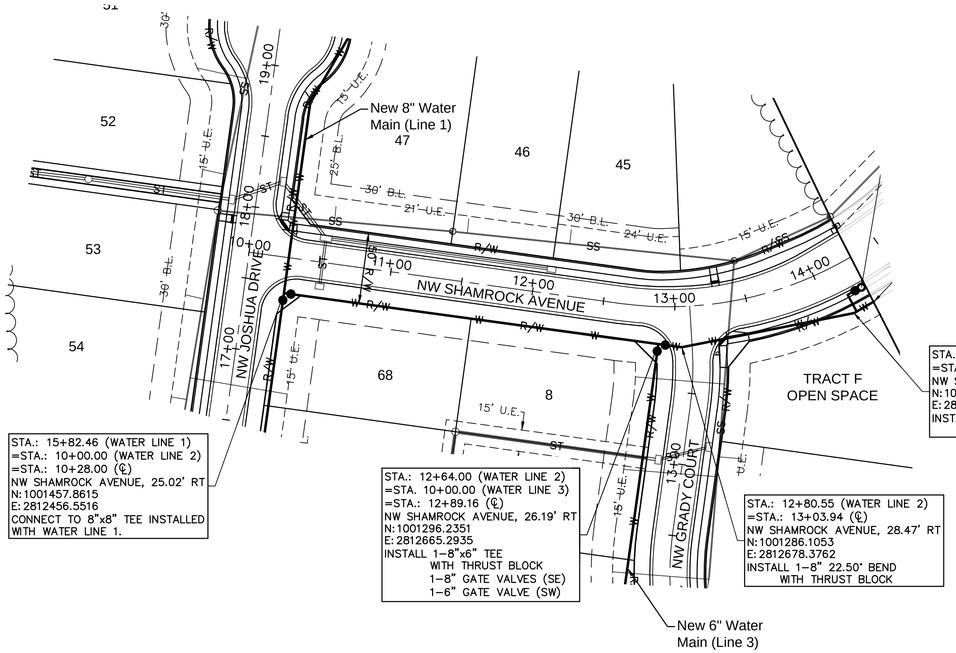
LEE'S SUMMIT, MO

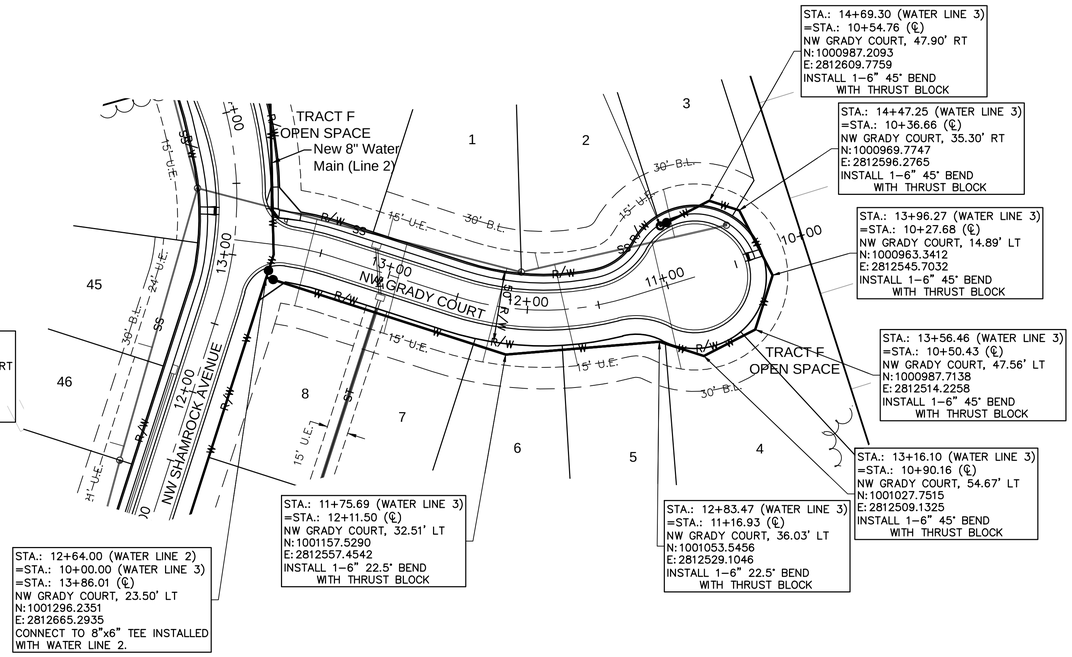
2019

drawn by: D.A.H.O
checked by: J.E.S
designed by: S.M.S
QA/QC by: M.G.D
project no.: A18-1140
date: 2019.03.12

SHEET
C140

DWG: F:\2018\1001–1500\018–1140–A\40–Design\AutoCAD\Final Plans\Sheets\GNCV\01_Street & Storm_36x24\C_STM09_1140A.dwg USER: ssoylor
DATE: Oct 30, 2019 11:23pm



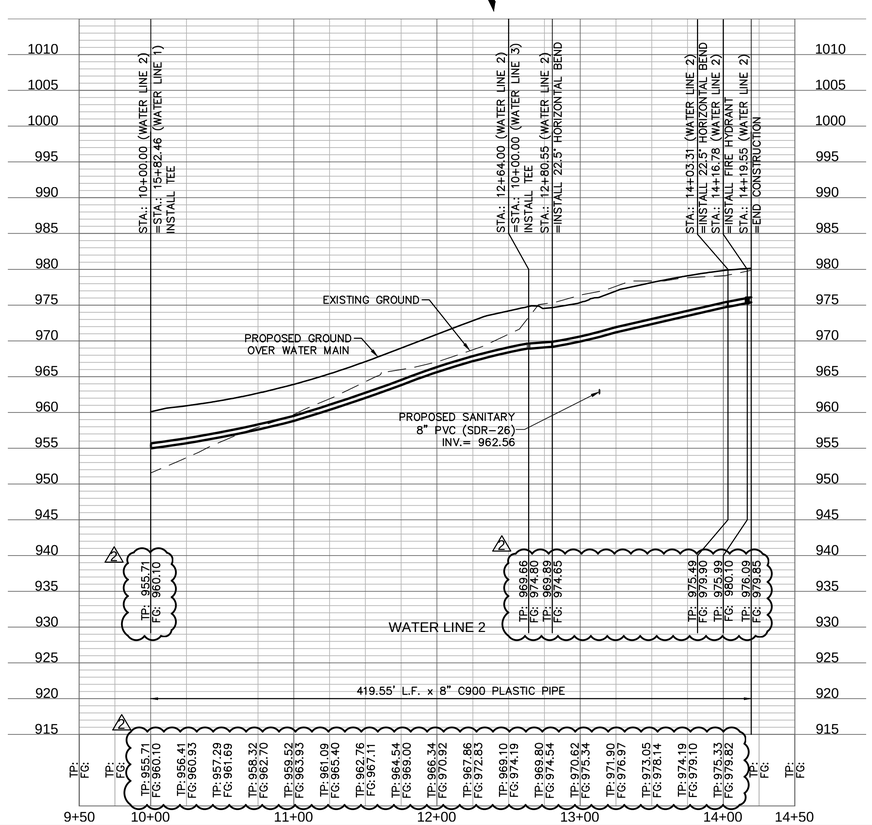


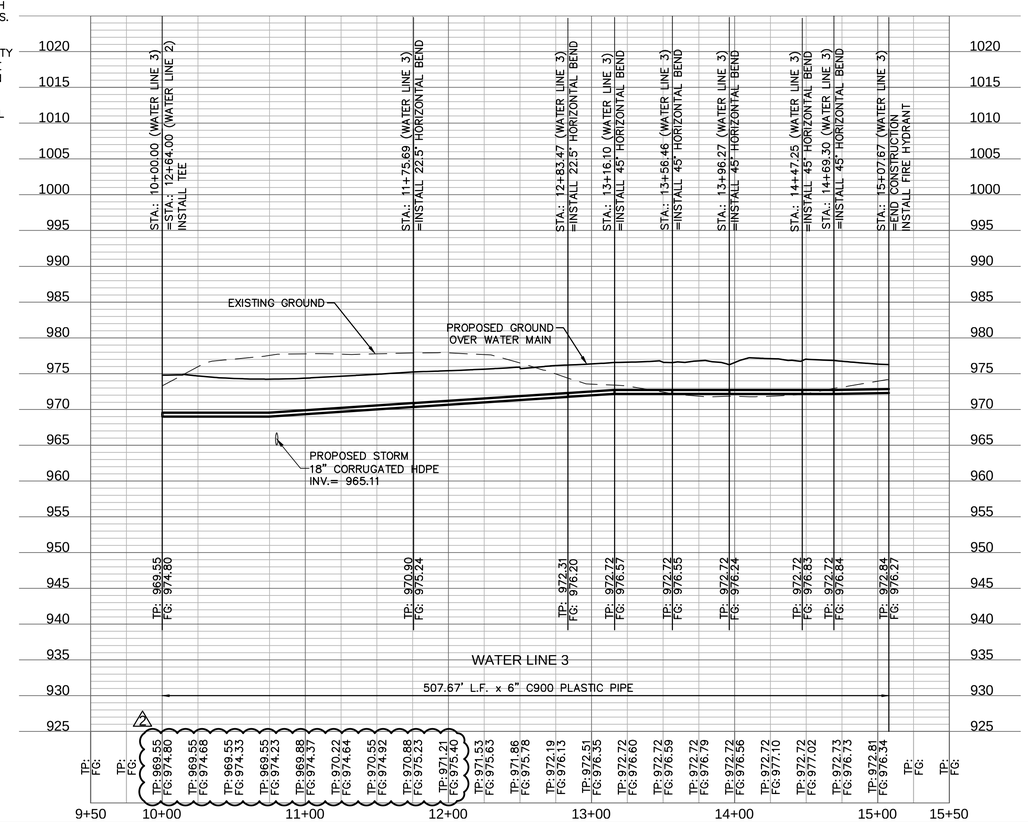
NOTES:
1. CONTRACTOR TO VERIFY EXISTING CONDITIONS AND COMMUNICATE WITH ENGINEER IF DIFFERENT THAN PLANS.

2. CONTRACTOR SHALL FILL AND COMPACT TO 95% STANDARD DENSITY TO A POINT 4' MINIMUM ABOVE THE TOP OF PIPE PRIOR TO EXCAVATION FOR THE PIPE.

3. CONTRACTOR SHALL NOT INSTALL GATE VALVES WITHIN ADA RAMPS.

4. MAXIMUM DEPTH OF THE WATER MAIN SHALL NOT EXCEED 7' FROM FINISH GRADE.





0' 25' 50' 100'
SCALE IN FEET

20' 10' 5' 0'

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KS Certificate of Authority # E-2089
NORTH KANSAS CITY, MO 64116
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STATE OF MISSOURI
JULIE ELAINE SELLERS
NUMBER PE-2017000367
11/14/2019
PROFESSIONAL ENGINEER

NO. REV.	DATE	REVISIONS DESCRIPTION	BY
1	10/31/2019	REVISED PER CITY COMMENTS	

REVISIONS

WATER MAIN PLAN & PROFILE
WATER MAIN EXTENSION

WOODSIDE RIDGE
FIRST PLAT

LEE'S SUMMIT, MO

2019

drawn by: D.A.H.O
checked by: J.E.S
designed by: S.M.S
QA/QC by: M.G.D
project no.: A18-1140
date: 2019.03.12

SHEET
C308

DWG: F:\2018\1001-1500\018-1140-A\40-Design\AutoCAD\Final Plans\Sheets\GNCV\01_Water_36x24\C_WAT02_1140A.dwg USER: ssoylor
DATE: Nov 14, 2019 4:40pm