

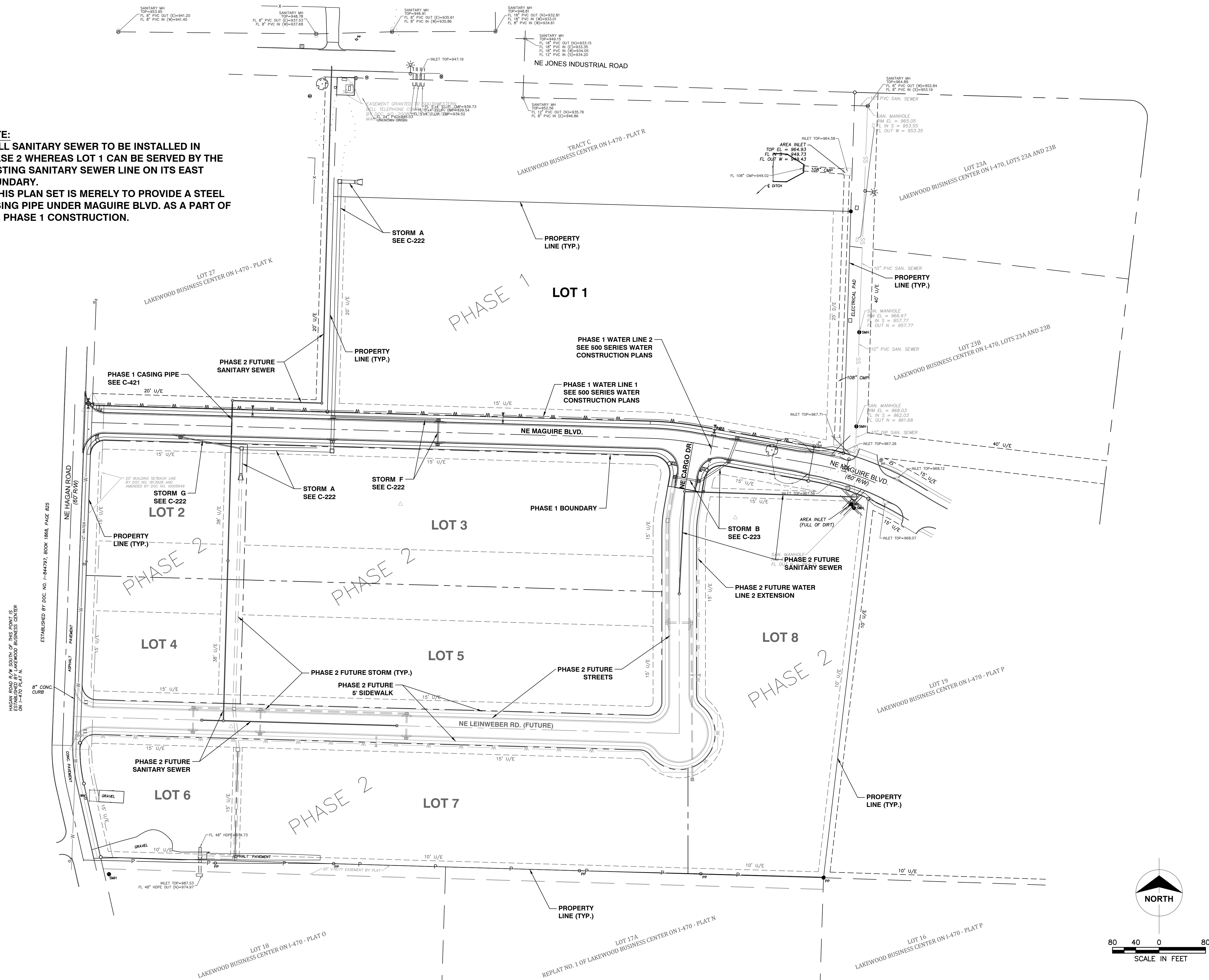






**1. ALL SANITARY SEWER TO BE INSTALLED IN PHASE 2 WHEREAS LOT 1 CAN BE SERVED BY THE EXISTING SANITARY SEWER LINE ON ITS EAST BOUNDARY.**

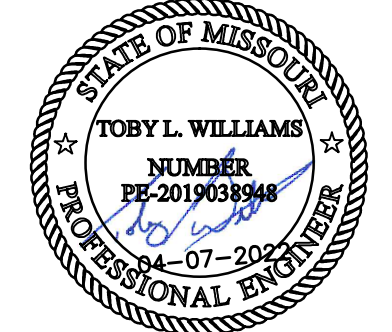
**2. THIS PLAN SET IS MERELY TO PROVIDE A STEEL CASING PIPE UNDER MAGUIRE BLVD. AS A PART OF THE PHASE 1 CONSTRUCTION.**



Certificates of Authority  
 Architecture: MO 310 / KS 73  
 Engineering: MO 4 / KS 241  
 Land Surveying: MO 123 / KS 36

DEVELOPER/OWNER  
DAVID WARD  
NORTH OAK SAFETY STORAGE,  
LC  
20 NW EAGLE RIDGE BLVD.  
RAIN VALLEY, MO 64029  
(316) 229-8115

**LAKewood BUSINESS  
CENTER ON I-470 - PLAT S  
2710 NE HAGEN ROAD  
LEE'S SUMMIT, MO 64064  
JACKSON COUNTY**



Toby L. Williams, PE  
PE-2019038948 (MISSOURI #)

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DRAWN BY: JV  
CHECKED BY: TLW  
PROJECT #: 21-1883  
ISSUE DATE: 03/31/2022  
ISSUED FOR:  
PERMIT

## OVERALL UTILITY PLAN

C-411



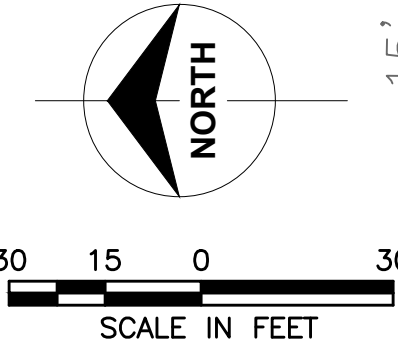
LOT 2, TAKEWOOD BUSINESS CENTER ON I-470 - PLAT K

NOTES:

1. STEEL CASING PIPE SHALL CONFORM TO ASTM A 139.
2. MINIMUM WALL THICKNESS SHALL BE 0.188 INCHES.
3. STEEL SHALL BE GRADE A WITH A MINIMUM YIELD STRENGTH OF 30,000 PSI.
4. STEEL PIPE SHALL HAVE WELDED JOINTS IN ACCORDANCE WITH AWWA C 206.
5. CONTRACTOR TO STEEL BOTH ENDS OF STEEL CASING PIPE BEFORE BACKFILLING.

STATION=27+95.36  
NORTHING: 1018328.85  
EASTING: 2826753.13  
START STEEL CASING CONSTRUCTION

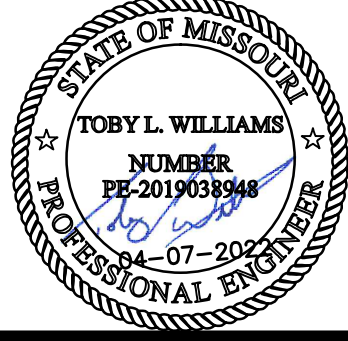
STATION=28+78.86  
NORTHING: 1018245.39  
EASTING: 2826750.78  
END STEEL CASING CONSTRUCTION



Certificates of Authority:  
Architecture: MO 310 / KS 73  
Engineering: MO 4 / KS 241  
Land Surveying: MO 123 / KS 36

DEVELOPER/OWNER  
DAVID WARD  
NORTH OAK SAFETY STORAGE, LLC  
1120 NW EAGLE RIDGE BLVD.  
GRAIN VALLEY, MO 64029  
(816) 229-8115

**LAKEWOOD BUSINESS CENTER ON I-470 - PLAT S**  
**2710 NE HAGEN ROAD**  
**LEE'S SUMMIT, MO 64064**  
**JACKSON COUNTY**



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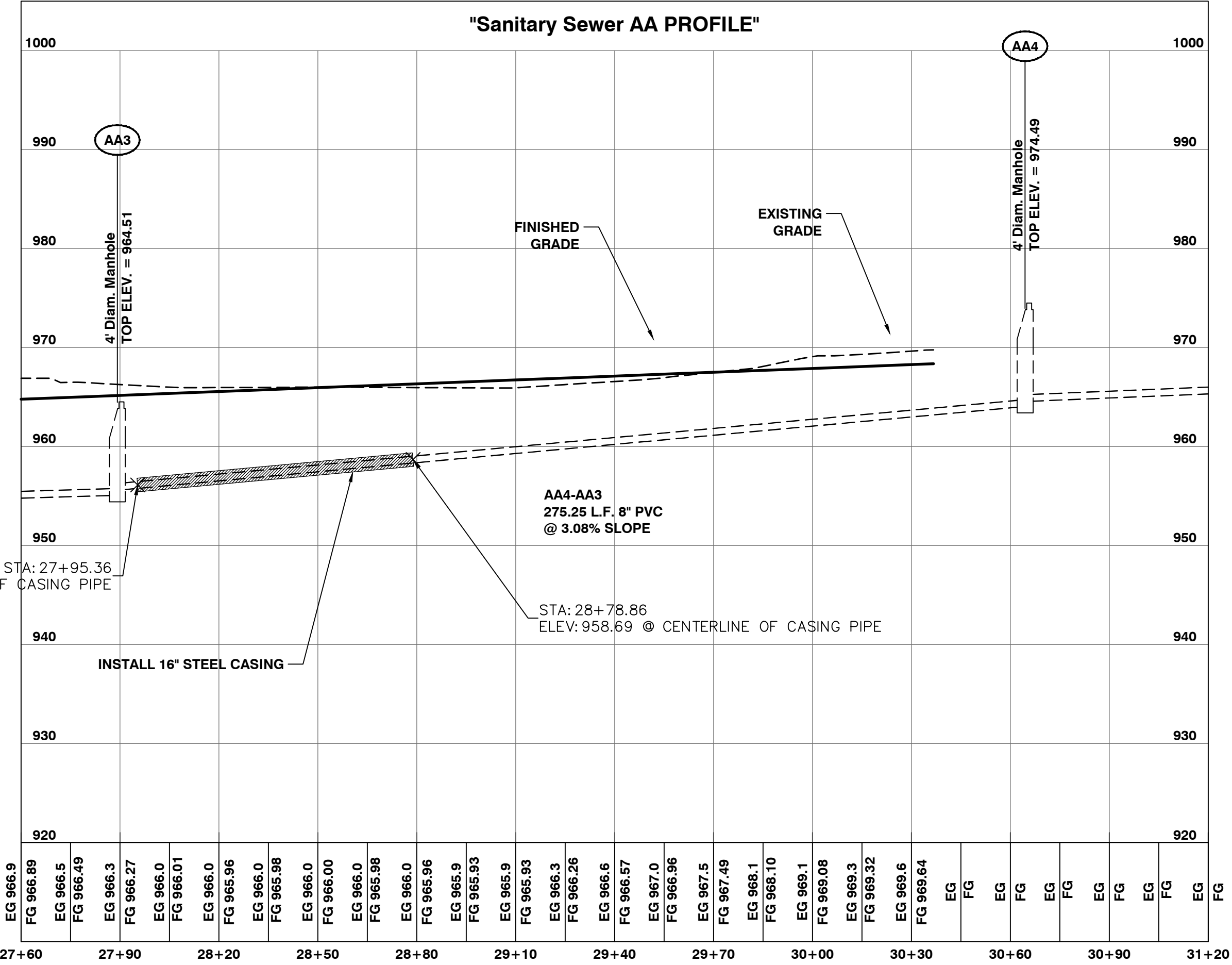
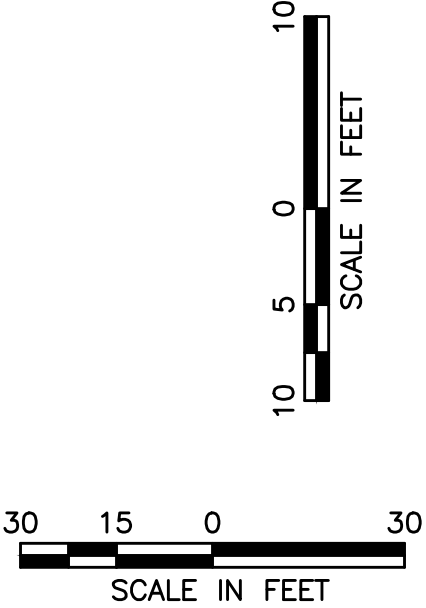
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NOTE:  
FUTURE SANITARY SEWER PROFILE SHOWN FOR REFERENCE IN RELATION TO STEEL CASING PIPE TO BE INSTALLED IN PHASE 1.

STA: 27+95.36  
ELEV: 956.12 @ CENTERLINE OF CASING PIPE

AA4-AA3  
275.25 L.F. 8" PVC  
@ 3.08% SLOPE

STA: 28+78.86  
ELEV: 958.69 @ CENTERLINE OF CASING PIPE



REVISIONS	NO.	DATE	DESCRIPTION

DRAWN BY: JV  
CHECKED BY: TLW  
PROJECT #: 21-1883  
ISSUE DATE: 03/31/2022  
ISSUED FOR:

PERMIT

STEEL CASING PLAN & PROFILE

C-421