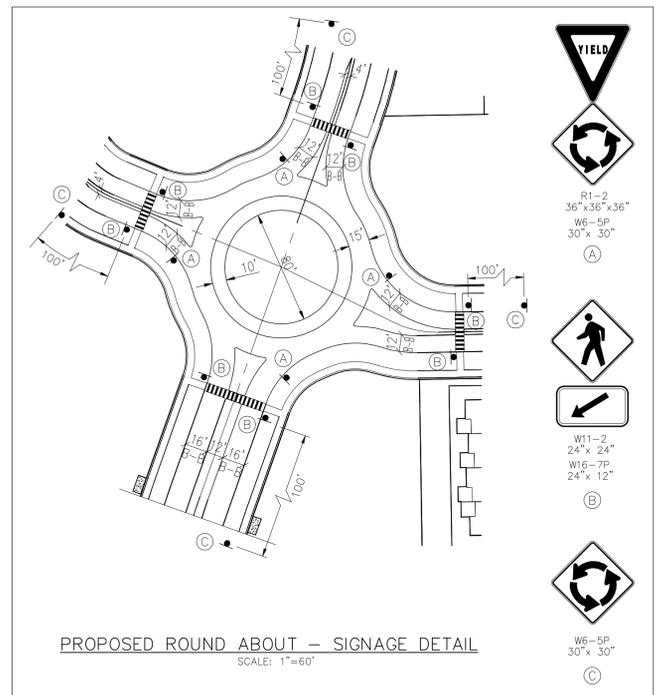
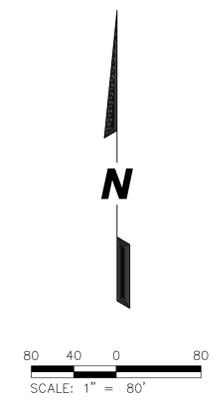


CONNECT TO EXISTING WATERMAIN
w/8"x8"x12" CUT IN TEE

PROPOSED EMERGENCY ACCESS
GATE w/THE FOLLOWING SIGNS
TO BE INSTALLED ON THE GATE

EMERGENCY ACCESS ONLY

**GATE TO BE REMOVED UPON
COMPLETION OF 119TH STREET
ROADWAY IMPROVEMENTS**



(4) - CONCRETE BENCH
PADS (SEE LANDSCAPE
PLANS FOR DETAILS)

STORMWATER MANAGEMENT FACILITY 004
HWL = 634.0
NWL = 628.0
STORMWATER MANAGEMENT PROVIDED=10.75 AC./FT.
STORMWATER MANAGEMENT PROVIDED=10.96 AC./FT.

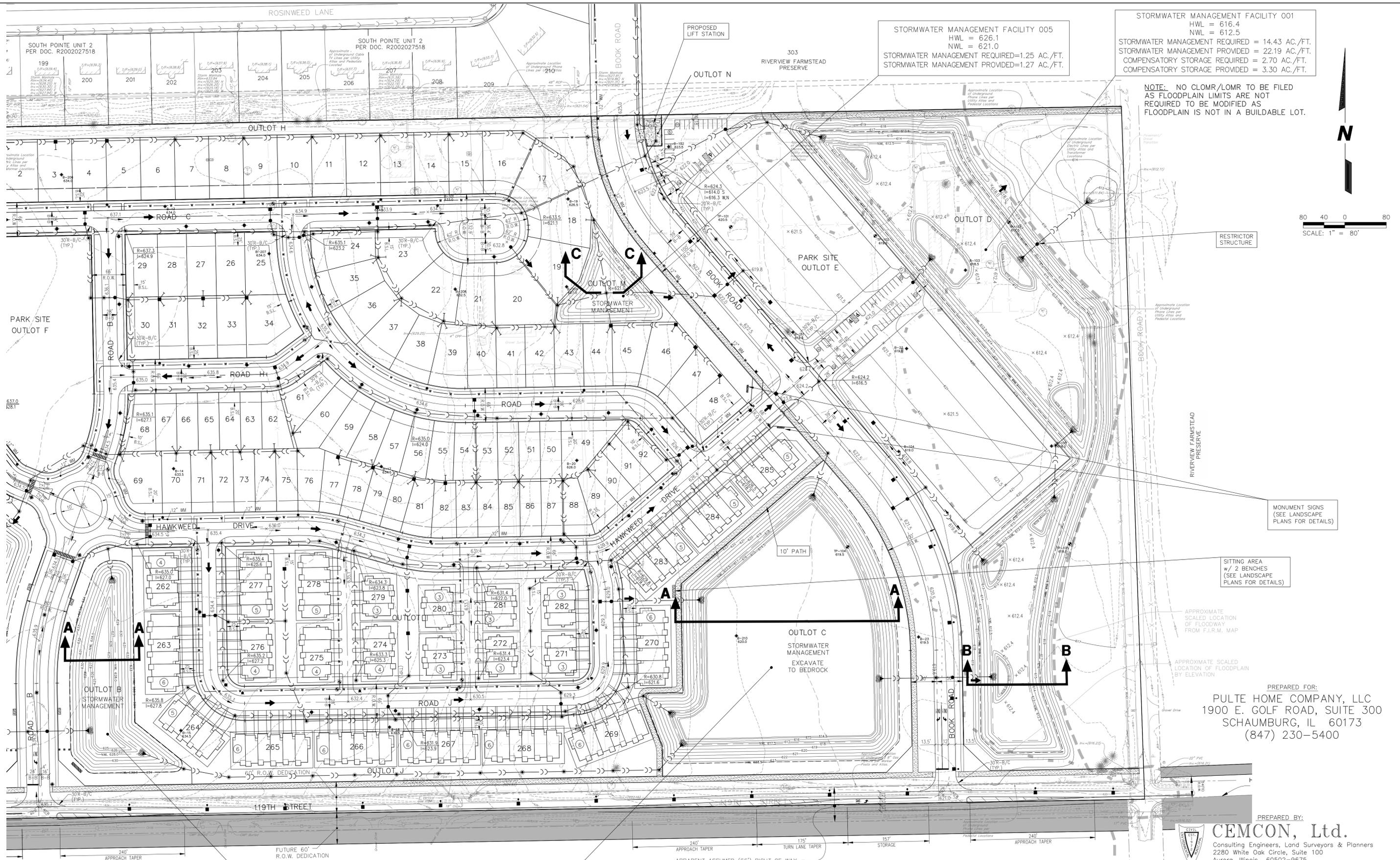
PREPARED FOR:
PULTE HOME COMPANY, LLC
1900 E. GOLF ROAD, SUITE 300
SCHAMBURG, IL 60173
(847) 230-5400

PREPARED BY:
CEMCON, Ltd.
Consulting Engineers, Land Surveyors & Planners
2280 White Oak Circle, Suite 100
Aurora, Illinois 60502-9675
PH: 630.862.2100 FAX: 630.862.2199
E-Mail: info@cemcon.com Website: www.cemcon.com

DISC NO.: 402151 FILE NAME: PREOVR
DRAWN BY: LAL FLD. BK. / PG. NO.: ----
COMPLETION DATE: 06-06-2022 JOB NO.: 402.151
XREF : TOPO PROJECT MANAGER : CRM

MONUMENT SIGNS AND
PIERS (SEE LANDSCAPE
PLANS FOR DETAILS)

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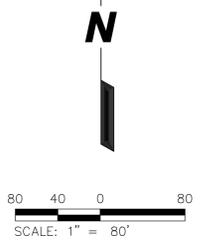
STORMWATER MANAGEMENT FACILITY 001
 HWL = 616.4
 NWL = 612.5
 STORMWATER MANAGEMENT REQUIRED = 14.43 AC./FT.
 STORMWATER MANAGEMENT PROVIDED = 22.19 AC./FT.
 COMPENSATORY STORAGE REQUIRED = 2.70 AC./FT.
 COMPENSATORY STORAGE PROVIDED = 3.30 AC./FT.

STORMWATER MANAGEMENT FACILITY 005
 HWL = 626.1
 NWL = 621.0
 STORMWATER MANAGEMENT REQUIRED=1.25 AC./FT.
 STORMWATER MANAGEMENT PROVIDED=1.27 AC./FT.

STORMWATER MANAGEMENT FACILITY 002
 HWL = 623.5
 NWL = 617.5
 STORMWATER MANAGEMENT REQUIRED=22.39 AC./FT.
 STORMWATER MANAGEMENT PROVIDED=22.53 AC./FT.

STORMWATER MANAGEMENT FACILITY 003
 HWL = 633.9
 NWL = 628.0
 STORMWATER MANAGEMENT REQUIRED=4.37 AC./FT.
 STORMWATER MANAGEMENT PROVIDED=4.43 AC./FT.

NOTE: NO CLOMR/LOMR TO BE FILED AS FLOODPLAIN LIMITS ARE NOT REQUIRED TO BE MODIFIED AS FLOODPLAIN IS NOT IN A BUILDABLE LOT.



MONUMENT SIGNS
 (SEE LANDSCAPE PLANS FOR DETAILS)

SITTING AREA
 W/ 2 BENCHES
 (SEE LANDSCAPE PLANS FOR DETAILS)

APPROXIMATE SCALED LOCATION OF FLOODWAY FROM F.I.R.M. MAP

APPROXIMATE SCALED LOCATION OF FLOODPLAIN BY ELEVATION

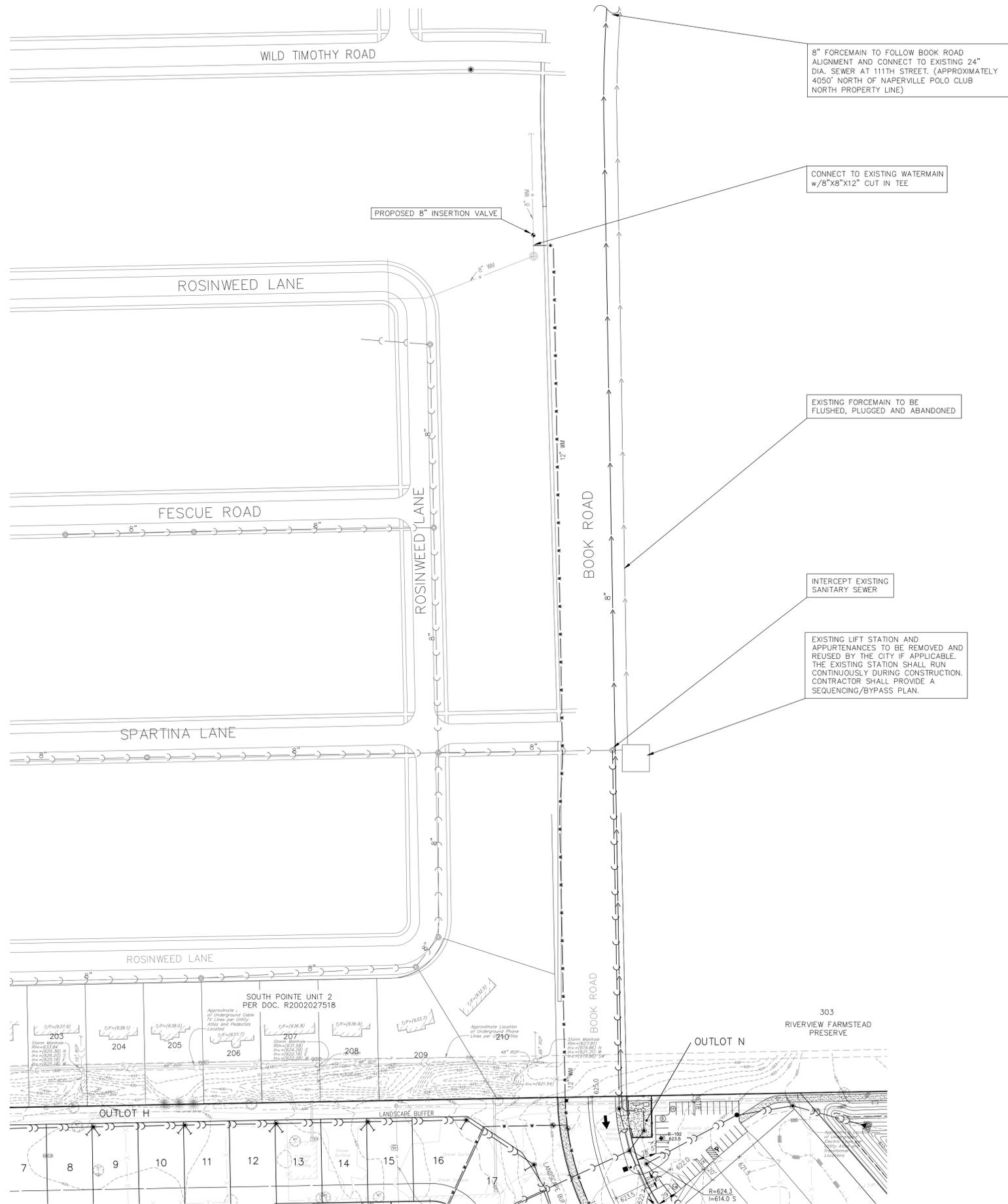
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PLOT FILE CREATED: 8/29/2022 BY: LESLIE LUNDBERG DRAWING PATH: P:\402151\UNID\402151\DRAWINGS\PRELIMINARY\PRELIM\DWG



8" FORCEMAIN TO FOLLOW BOOK ROAD ALIGNMENT AND CONNECT TO EXISTING 24" DIA. SEWER AT 111TH STREET. (APPROXIMATELY 4050' NORTH OF NAPERVILLE POLO CLUB NORTH PROPERTY LINE)

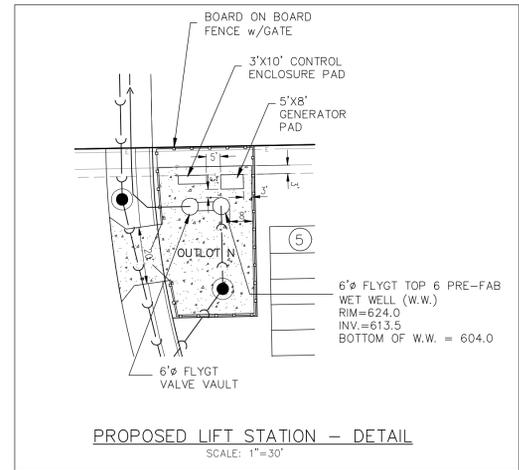
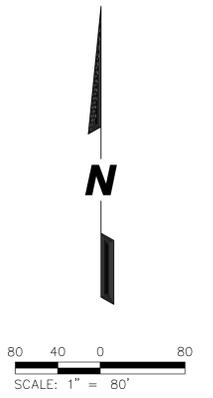
CONNECT TO EXISTING WATERMAIN w/8"x8"x12" CUT IN TEE

PROPOSED 8" INSERTION VALVE

EXISTING FORCEMAIN TO BE FLUSHED, PLUGGED AND ABANDONED

INTERCEPT EXISTING SANITARY SEWER

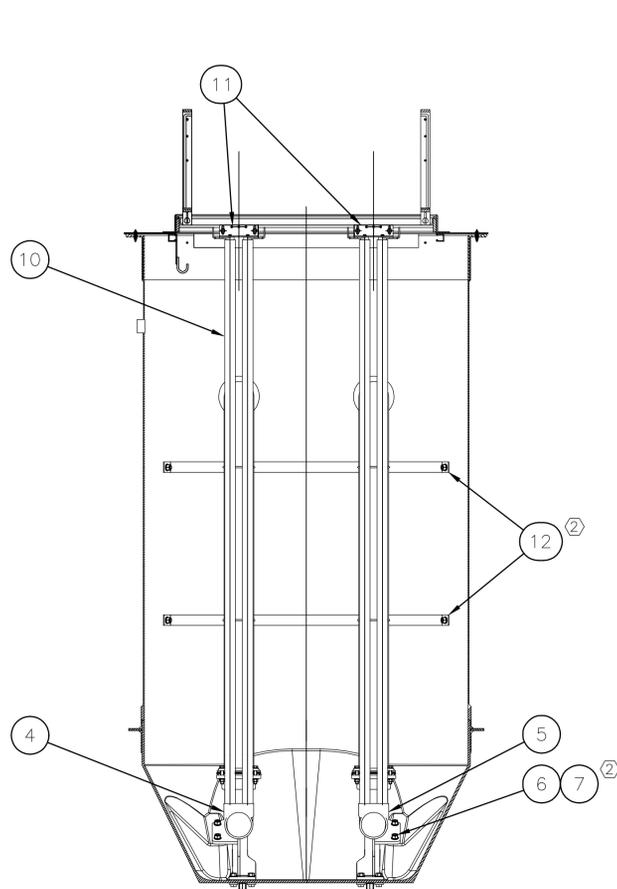
EXISTING LIFT STATION AND APPURTENANCES TO BE REMOVED AND REUSED BY THE CITY IF APPLICABLE. THE EXISTING STATION SHALL RUN CONTINUOUSLY DURING CONSTRUCTION. CONTRACTOR SHALL PROVIDE A SEQUENCING/BYPASS PLAN.



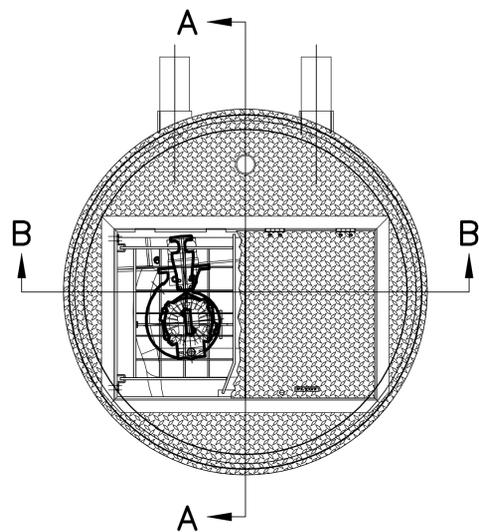
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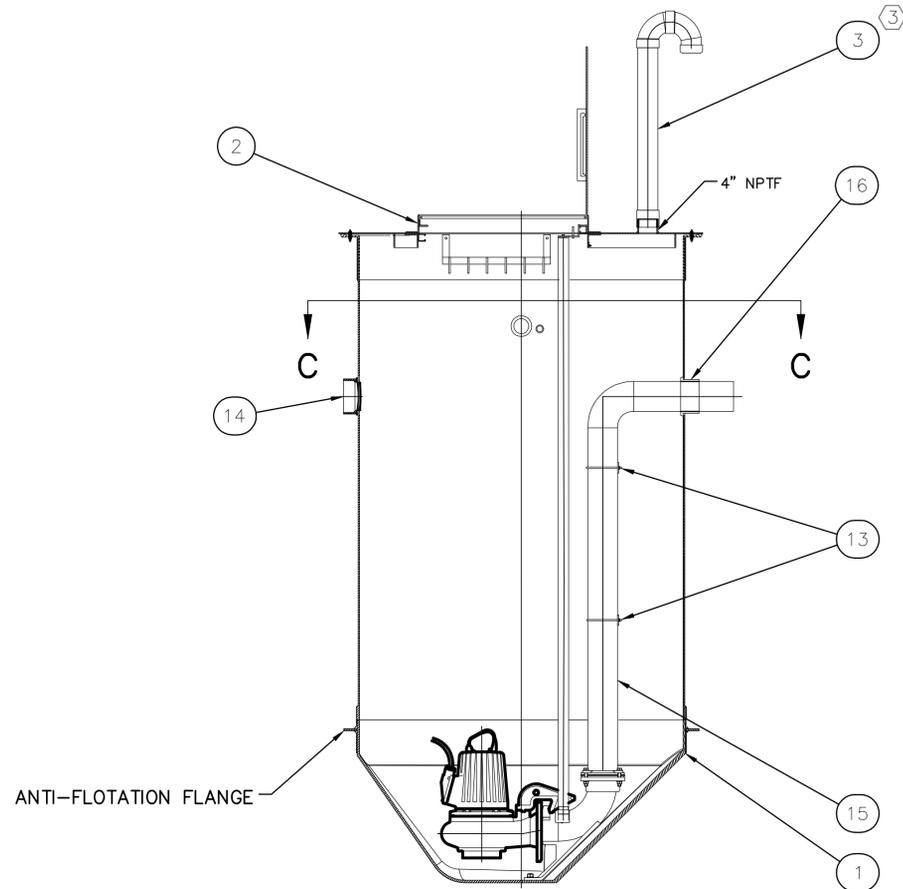
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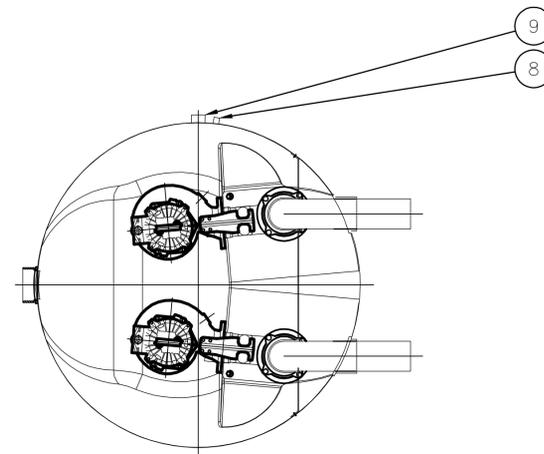
VIEW B-B



CAD DRAWING (D)



VIEW A-A



VIEW C-C

NOTES:

1. STATION DEPTH: MIN 6ft., MAX 25ft. AVAILABLE IN 1ft. INCREMENTS.
2. ALL BOLT PENETRATIONS THRU WALLS MUST BE SEALED WITH SILICONE SEALANT.
3. OPTIONAL PVC CANDY CANE STYLE VENT SHOWN. MUSHROOM STYLE VENT ALSO AVAILABLE.

The following features will be added with Final Design:

- Mixer and Mixer VFD.
- VFDs for pumps.
- Radar water sensor and water level transducers.
- Well hatch intrusion alarms.
- Flow meter & Pressure gauge.
- Pump power monitors.
- Backup generator which is operated by natural gas.
- Ventilation needs to be provided in dry well.
- Traffic box to include all controls and power equipment.
- Radar water level measurement
- Lift chain
- Water level transducer
- Bypass connection in dry well.
- Electrical vented junction box.
- Security fence around the station

All above equipment need to integrate in City SCADA. City SCADA integrater is Advanced Automation Control (AAC).

ITEM	DESCRIPTION	PART NUMBER	QTY
16	PIPING KIT		1
15	PIPE, 6" SCH. 10, 316 STAINLESS STEEL		1 ft (4x)
14	HUB		1
13	U-BOLT 3/8-11 OD 6-3/4 6" PIPE	29605T13	4
12	BRACING, DISCHARGE PIPE		2
11	UPPER GUIDE BAR KIT, 2"		2
10	GUIDE BAR, 2", 316 SST		4
9	SEAL, CABLE WALL, PUMP		1
8	SEAL, CABLE WALL, LEVEL SENSOR	1860SCF125P	1
7	WASHER, 1/2 ID, 1 1/2 OD, GENERAL PURPOSE, 316 SST	91950A036	8
6	NUT, 3/4-10, 316 SST	94805A135	8
5	DISCHARGE CONNECTION, RIGHT, 6"	620 03 10	1
4	DISCHARGE CONNECTION, LEFT, 6"	620 04 10	1
3	VENT PIPE, 4" (OPTIONAL)	14-68 22 02	1
2	COVER, 6'		1
1	BASIN/CYLINDER ASSEMBLY, 6'		1

UNLESS OTHERWISE NOTED:
 MACHINE TOLERANCE ON:
 WHOLE AND FRACTIONS ± 1/32
 1 PLACE DEC. ± 0.1
 2 PLACE DEC. ± 0.02
 3 PLACE DEC. ± 0.005
 ANGLES ± 0.15°
 FABRICATION TOLERANCE ON:
 UP TO 12" ± 1/32
 OVER 12" TO 48" ± 1/16
 OVER 48" TO 120" ± 1/8
 OVER 120" ± 3/16
 ANGLES ± 0.5°



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DRAWN	DATE	BY	CHKR.	DATE	BY	PROJ. ENGR.	DATE	BY	APVD.	DATE	BY
	10/1/09	GAV									

TOP 6 PRE-FAB, 6" SST/PVC WITHOUT VALVES

REF. 14-682454-	NUMBER	REV.

SCALE PLOT TO FIT

SHEET 1 OF 1

NO.	REVISION	BY	DATE	APVD.	DATE

PREPARED FOR:

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DISC NO.: 402151 FILE NAME: PRE LIFT STATION DETS02
 DRAWN BY: LAL FLD. BK. / PG. NO.: ----
 COMPLETION DATE: 06-06-2022 JOB NO.: 402.151
 XREF : TOPO PROJECT MANAGER : CRM

