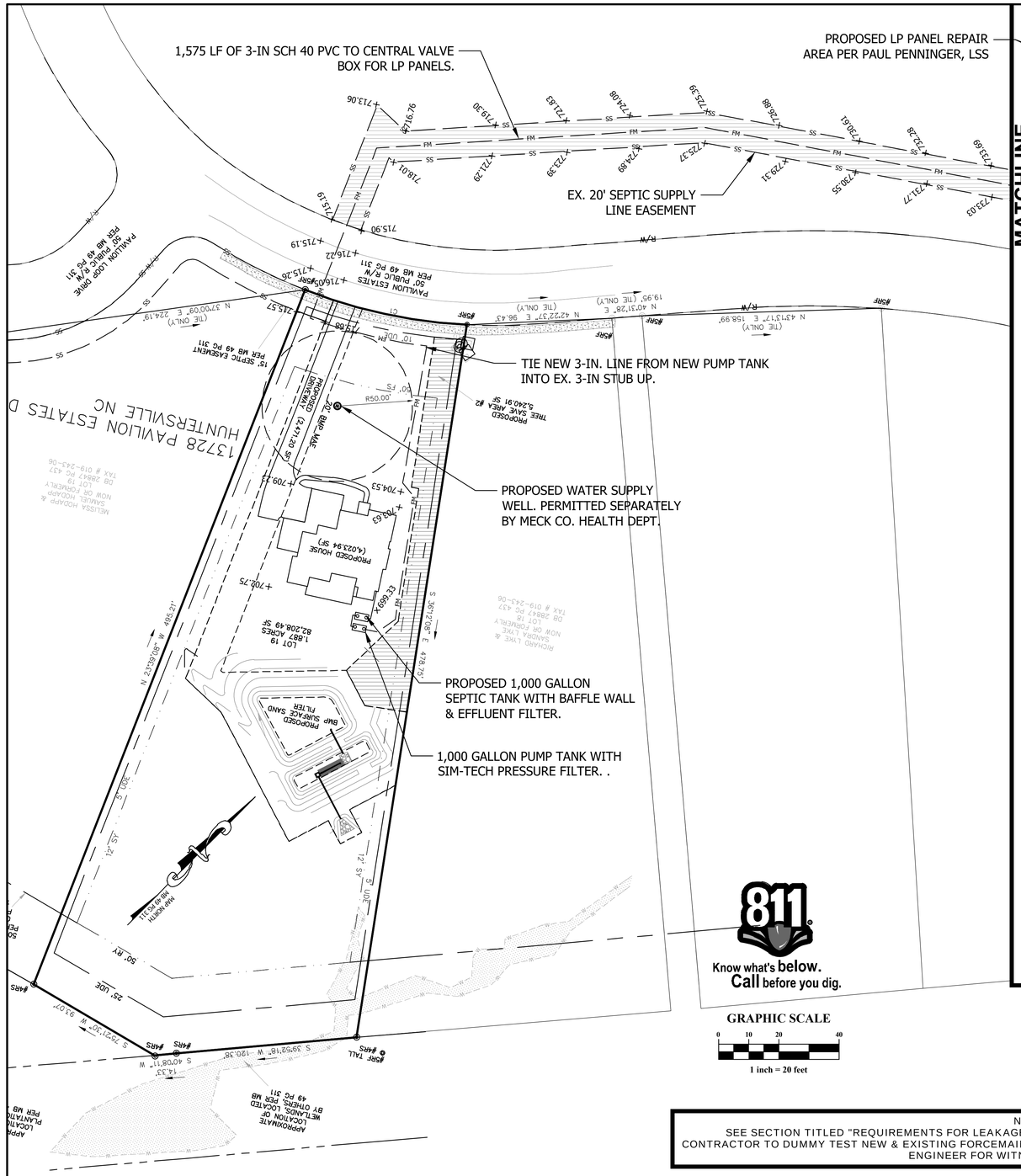
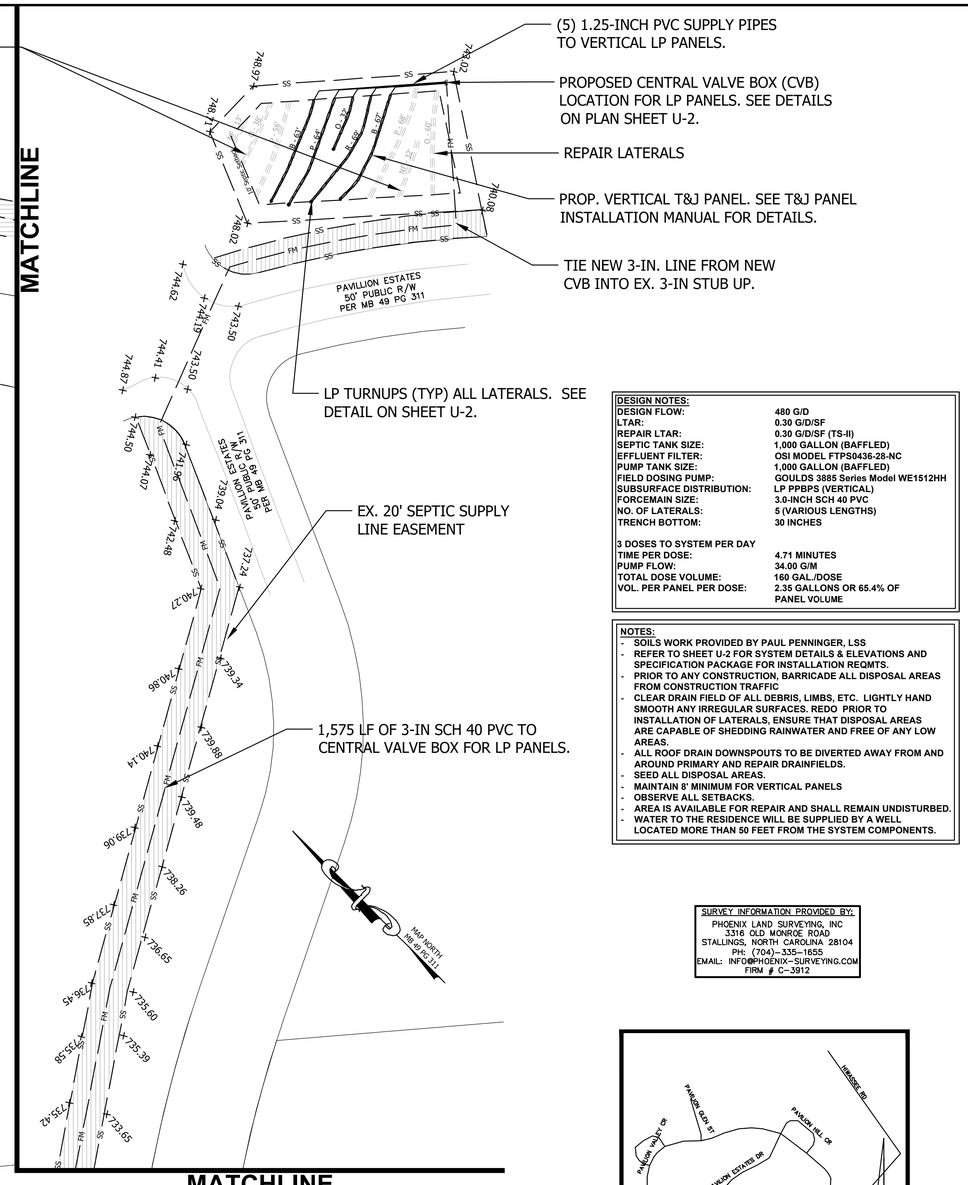




DESIGN NOTES:	
DESIGN FLOW:	480 G/D
LTAR:	0.30 G/D/SF
REPAIR LTAR:	0.30 G/D/SF (TS-II)
SEPTIC TANK SIZE:	1,000 GALLON (BAFFLED)
EFFLUENT FILTER:	OSI MODEL FTPS0436-28-NC
PUMP TANK SIZE:	1,000 GALLON (BAFFLED)
FIELD DOSING PUMP:	GOULDS 3885 Series Model WE1512HH
SUBSURFACE DISTRIBUTION:	LP PPBPS (VERTICAL)
FORCEMAIN SIZE:	3.0-INCH SCH 40 PVC
NO. OF LATERALS:	5 (VARIOUS LENGTHS)
TRENCH BOTTOM:	30 INCHES
3 DOSES TO SYSTEM PER DAY	
TIME PER DOSE:	4.71 MINUTES
PUMP FLOW:	34.00 G/M
TOTAL DOSE VOLUME:	160 GAL./DOSE
VOL. PER PANEL PER DOSE:	2.35 GALLONS OR 65.4% OF PANEL VOLUME

NOTES:
- SOILS WORK PROVIDED BY PAUL PENNINGER, LSS
- REFER TO SHEET U-2 FOR SYSTEM DETAILS & ELEVATIONS AND SPECIFICATION PACKAGE FOR INSTALLATION REQMTS.
- PRIOR TO ANY CONSTRUCTION, BARRICADE ALL DISPOSAL AREAS FROM CONSTRUCTION TRAFFIC
- CLEAR DRAIN FIELD OF ALL DEBRIS, LIMBS, ETC. LIGHTLY HAND SMOOTH ANY IRREGULAR SURFACES. REDO PRIOR TO INSTALLATION OF LATERALS, ENSURE THAT DISPOSAL AREAS ARE CAPABLE OF SHEDDING RAINWATER AND FREE OF ANY LOW AREAS.
- ALL ROOF DRAIN DOWNSPOUTS TO BE DIVERTED AWAY FROM AND AROUND PRIMARY AND REPAIR DRAINFIELDS.
- SEED ALL DISPOSAL AREAS.
- MAINTAIN 8' MINIMUM FOR VERTICAL PANELS
- OBSERVE ALL SETBACKS.
- AREA IS AVAILABLE FOR REPAIR AND SHALL REMAIN UNDISTURBED.
- WATER TO THE RESIDENCE WILL BE SUPPLIED BY A WELL LOCATED MORE THAN 50 FEET FROM THE SYSTEM COMPONENTS.

SURVEY INFORMATION PROVIDED BY:
PHOENIX LAND SURVEYING, INC
3316 OLD MONROE ROAD
STALLINGS, NORTH CAROLINA 28104
PH: (704)-335-1555
EMAIL: INFO@PHOENIX-SURVEYING.COM
FIRM # C-3912

811 Know what's below. Call before you dig.

NOTE:
SEE SECTION TITLED "REQUIREMENTS FOR LEAKAGE TESTING PRESSURE FORCEMAIN" IN SPECIFICATIONS.
CONTRACTOR TO DUMMY TEST NEW & EXISTING FORCEMAIN AND VERIFY POSITIVE TEST RESULTS PRIOR TO CONTACTING ENGINEER FOR WITNESSING OF SAID TEST.

VICINITY MAP
NO SCALE

PUBLICATION OR REUSE OF THESE DRAWINGS OR ANY DETAILS WITHIN MUST BE WITH THE WRITTEN CONSENT OF PIEDMONT DESIGN ASSOCIATES, P.A. Owner: _____ Approved: _____ Date of Issue: _____

PIEDMONT DESIGN
ENGINEERING • SURVEYING • PLANNING
Associates, P.A.
Suite 101 Westfield Center, 125 East Plaza Drive
Mooresville, North Carolina 28115
Phone:(704) 664-7888 Fax:(704) 664-1778 www.pdapa.com
NCBELS Licenses #'s C-1497

PREPARED FOR:
T.K. CONSTRUCTION
3618 SHARON RIDGE LANE
CHARLOTTE, NC 28210
704-576-5983

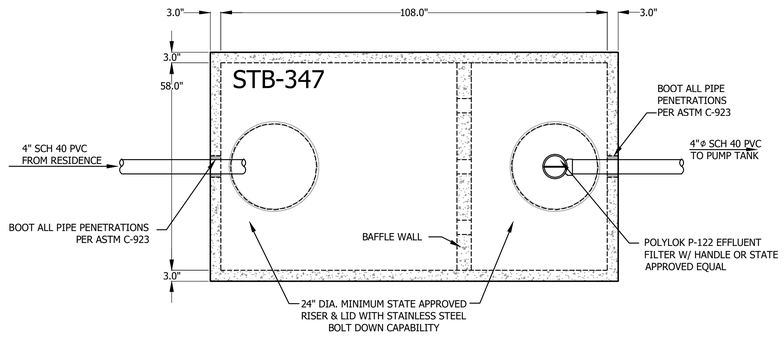
SEPTIC SYSTEM SITE PLAN
13728 PAVILION ESTATES DRIVE
4 BEDROOM RESIDENCE
MECKLENBURG COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17327 DONALD L. MARTIN

REVISIONS	BY

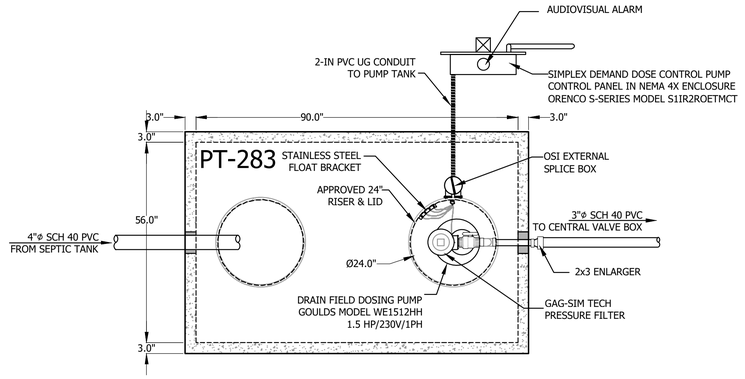
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Job: 2022-02-05
Sheet U-1
of 3 Sheets

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PLAN VIEW - 1,000 GAL SEPTIC TANK

N.T.S. STB-347



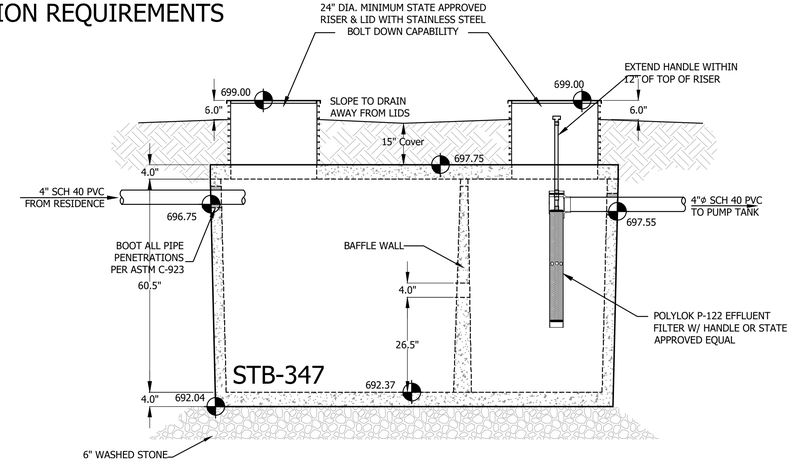
PLAN VIEW - 1,000 GAL PUMP TANK

N.T.S. PT-363

REFER TO SHEET U-1 FOR SYSTEM LAYOUT

REFER TO SPECIFICATION PACKAGE FOR MATERIALS SELECTION AND INSTALLATION REQUIREMENTS

RISER & LID NOTES:
RISERS TO BE CAST IN PLACE AT TIME OF TANK CONSTRUCTION AND MEET THE REQUIRED APPROVAL FOR THE SPECIFIED RISER. ALL TANK ACCESS LIDS MUST HAVE BOLT DOWN OR LOCKING CAPABILITY.

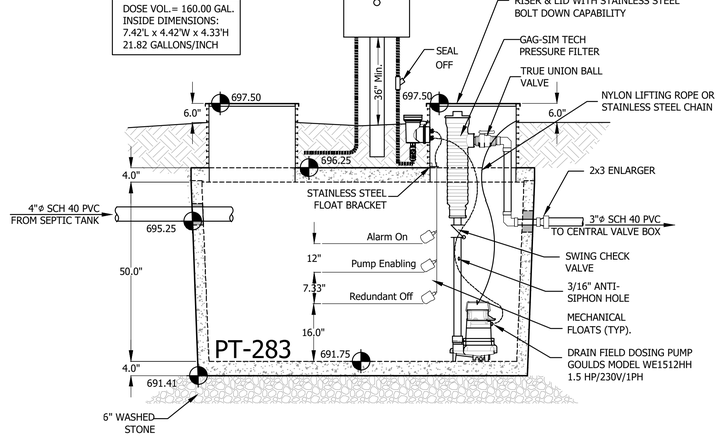


ELEVATION VIEW - 1,000 GAL SEPTIC TANK

N.T.S. STB-347

NOTE: MOUNT CONTROL PANELS A MIN. OF 24" ABOVE GRADE ON 4"X4" TREATED POST OR ON BLDG WALL LOCATE WITHIN 10' OF PUMP TANK ORENCO S-SERIES MODEL S1IR2ROETMCT

DOSE VOL.= 160.00 GAL.
INSIDE DIMENSIONS:
7.42'L x 4.42'W x 4.33'H
21.82 GALLONS/INCH



ELEVATION VIEW - 1,000 GAL PUMP TANK

N.T.S. PT-283

TANK ELEVATIONS

NOTE:TANK DIMENSIONS & ELEVATIONS BASED ON SHOAF PRECAST COMPANY, INC. OTHER STATE APPROVED TANKS MAY BE SUBSTITUTED BUT NOT WITHOUT PRIOR APPROVAL FROM THE ENGINEER. CONTRACTOR SHALL VERIFY DIMENSIONS AND ADJUST GRADES AND FLOAT SETTINGS AS REQUIRED TO CAUSE FLOW AND DOSING AS CALLED FOR.
TANKS SHALL NOT BE PUMPED DURING EXTREMELY WET CONDITIONS.

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Owner: _____ Approved: _____ Date of Issue: _____

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Phone: (704) 664-7888 Fax: (704) 664-1778 www.pdapa.com
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PREPARED FOR:
T.K. CONSTRUCTION
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CHARLOTTE, NC 28210
704-576-5983

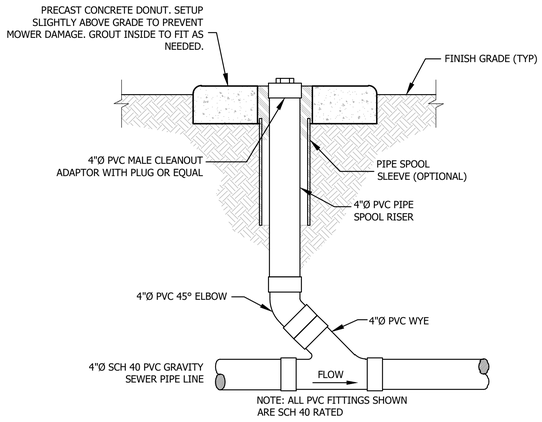
SEPTIC SYSTEM DETAILS
13728 PAVILION ESTATES DRIVE
4 BEDROOM RESIDENCE
MECKLENBURG COUNTY, NORTH CAROLINA

NORTH CAROLINA PROFESSIONAL ENGINEER SEAL 17222 DONALD L. MCMINN 2-17-22

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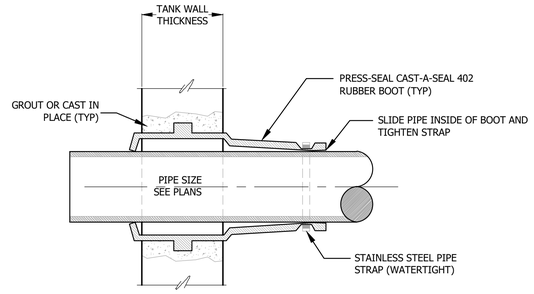
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GRAVITY CLEANOUT

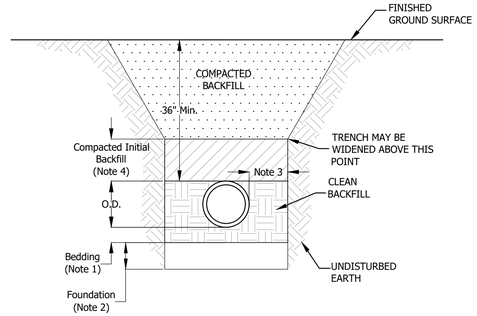
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STANDARD PIPE PENETRATIONS

N.T.S.

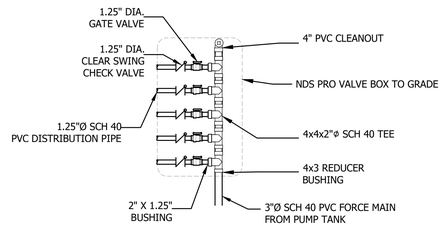
TRENCH NOTES:
1. 4" TYPICAL, 6" DEPTH IF IN ROCK
2. FOUNDATION STONE REQUIRED WHEN SOIL CONDITIONS ARE UNSTABLE
3. CLEAR DISTANCE NOT LESS THAN 6" OR MORE THAN 12" ON EITHER SIDE
4. INITIAL BACKFILL SHALL BE PLACED IN 6" LIFTS AND COMPACTED. INITAL BACKFILL SHALL CONTAIN NO BACKFILL OVER 1.5" , FROZEN LUMPS OR DEBRIS.
5. BACKFILL SHALL BE COMPACTED TO 95% STANDARD PROCTOR DENSITY
6. PVC PIPE SHALL BE SCH 40 PVC
7. DETAIL SHALL BE USED FOR ALL TRANSPORT PIPING TO DISPOSAL AREA



PVC SEWER PIPE BEDDING DETAIL

N.T.S.

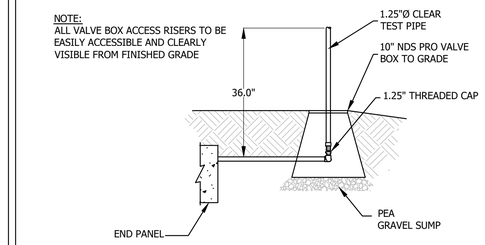
NOTE:
ALL VALVE BOX ACCESS RISERS TO BE EASILY ACCESSIBLE AND CLEARLY VISIBLE FROM FINISHED GRADE



VALVE BOX DETAIL

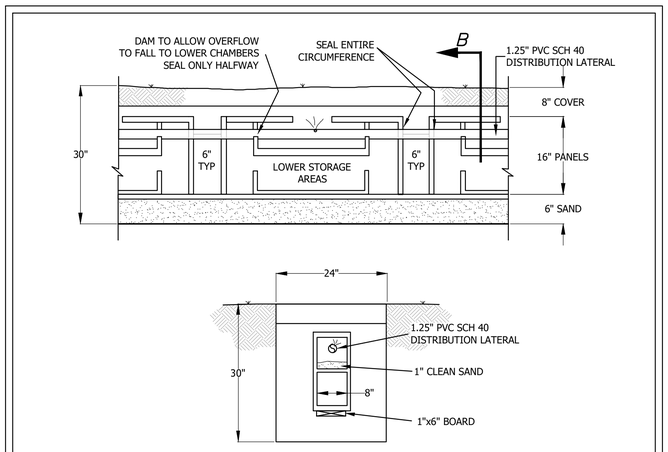
N.T.S.

NOTE:
ALL VALVE BOX ACCESS RISERS TO BE EASILY ACCESSIBLE AND CLEARLY VISIBLE FROM FINISHED GRADE



TURN UP DETAIL

N.T.S.



CUTAWAY OF PRESSURE PANEL

N.T.S.

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SEPTIC SYSTEM DETAILS
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