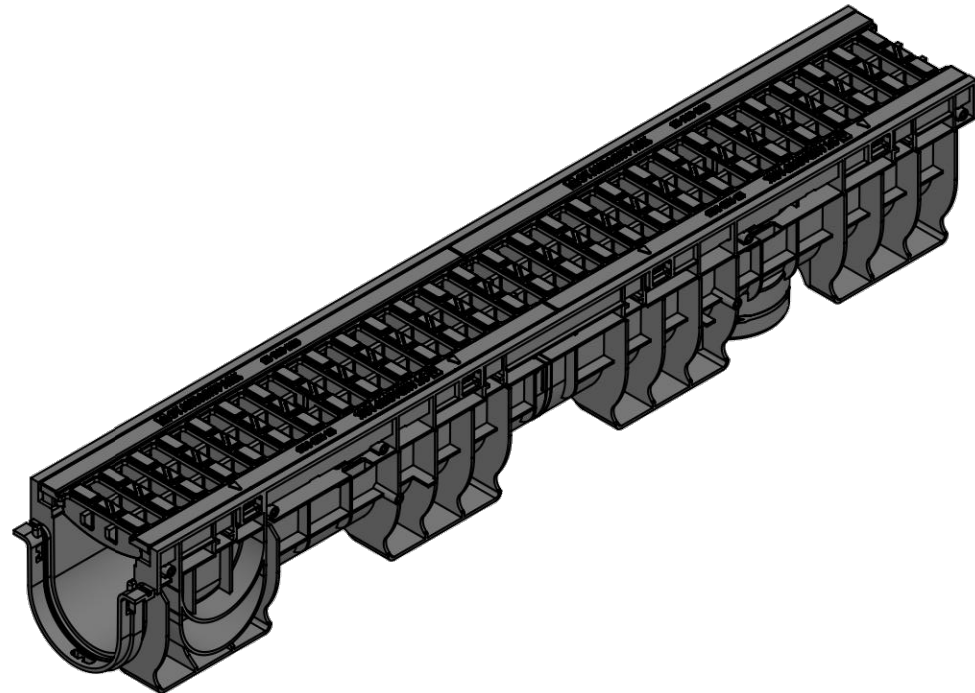
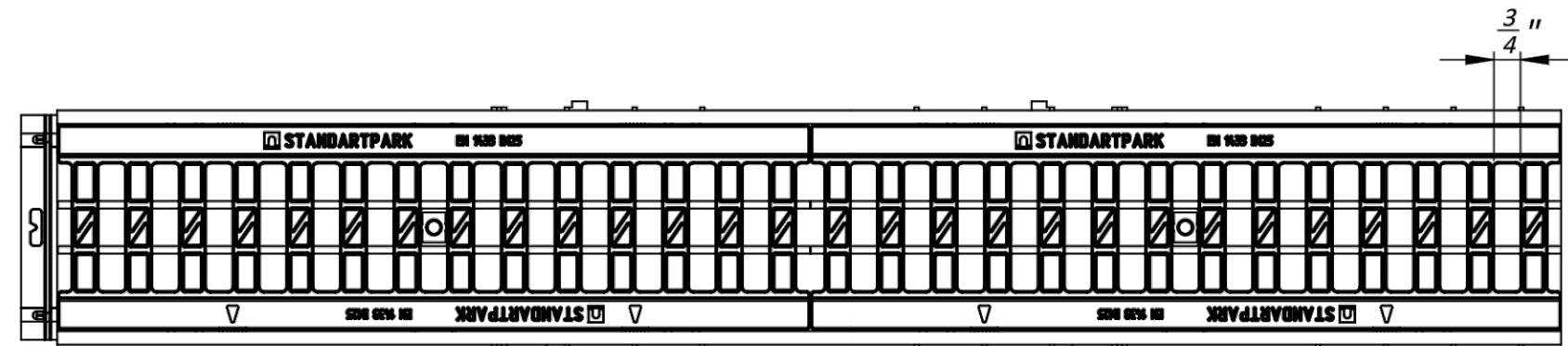
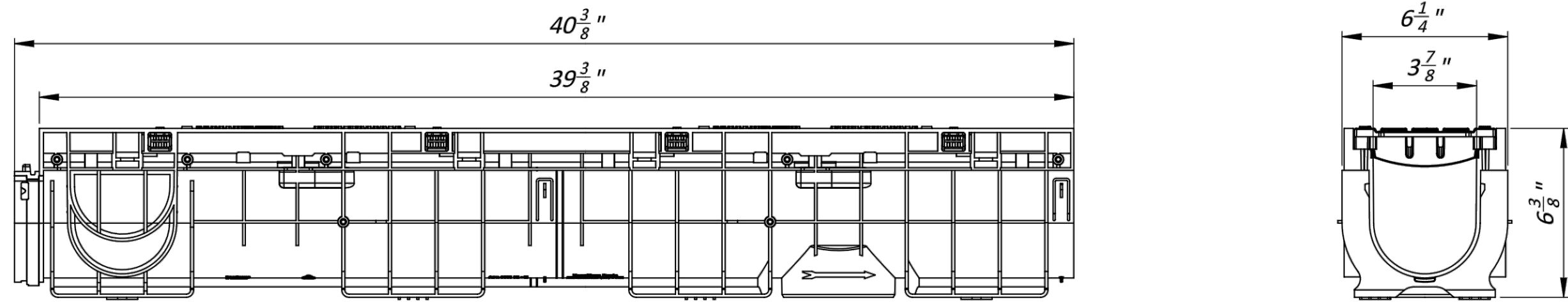




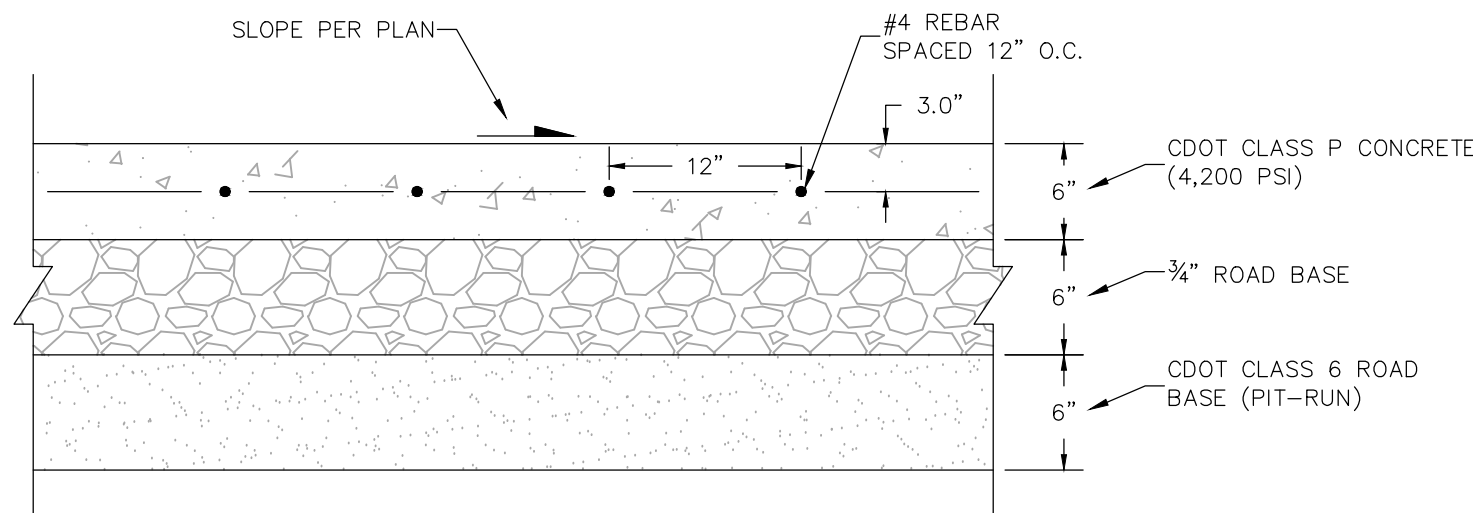
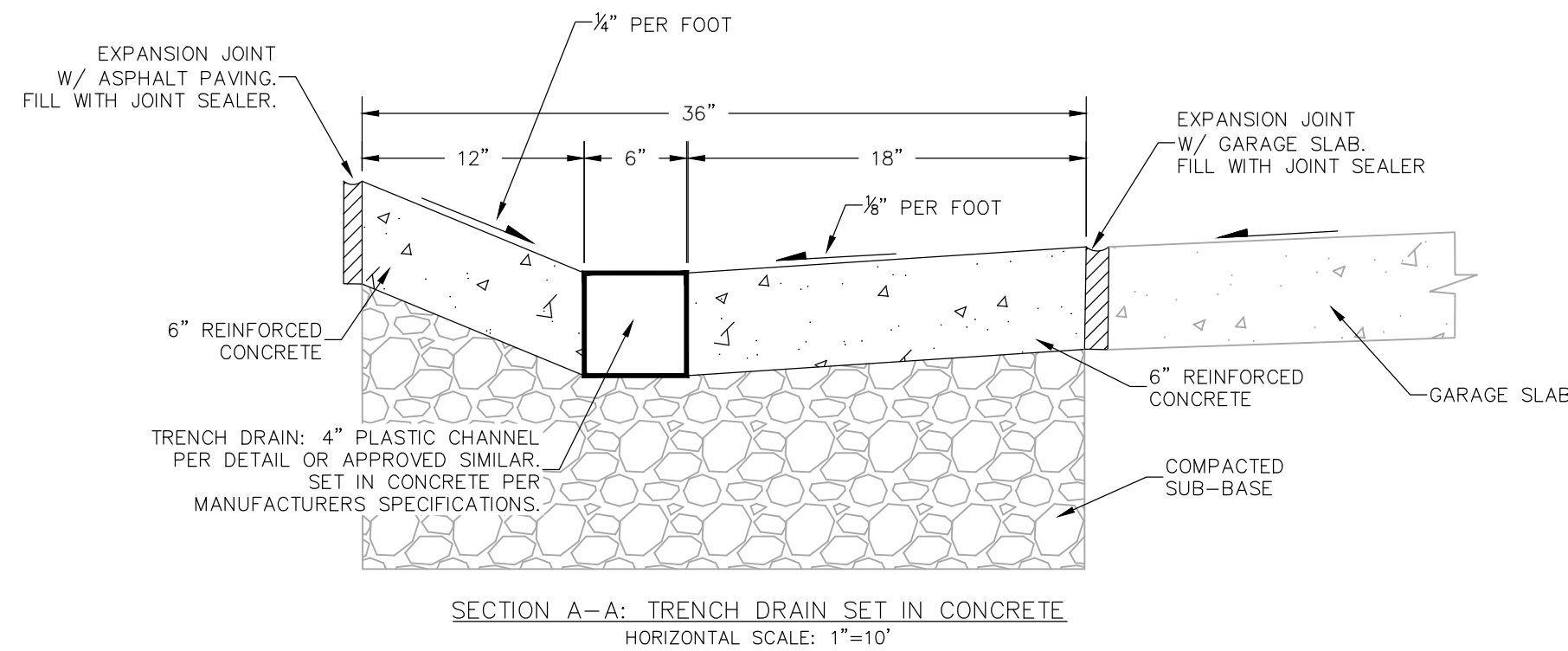
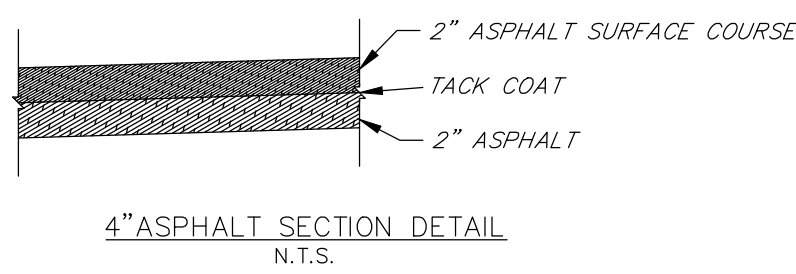
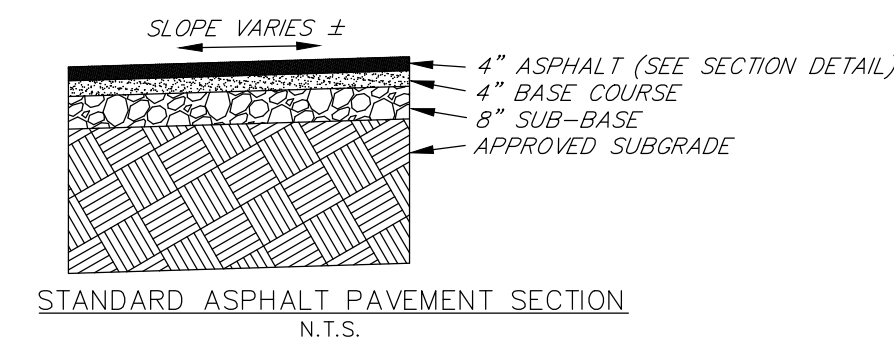
Orig. Inv. No.	Sign. and date	Repl. Inv. No.	Copy inv. No.	Sign. and date	Reference No.	Primary Usage

4" Plastic Channel Set



NOTES:
1. INSTALL (7) SECTIONS OF 4" PLASTIC CHANNEL SET OR APPROVED SIMILAR

1. Area of water intake slots 56 sq in
2. Deviation of the actual weight of the nominal can be up to 10%

[illegible]

CONCRETE PAVING NOTES:

1. PRIOR TO THE PLACEMENT OF SUB-BASE AGGREGATES, THE EXPOSED SUB-GRADE SOILS SHALL BE UNIFORMLY SCARIFIED, MIXED, AND MOISTURE TREATED TO WITHIN 2% OF THE OPTIMUM MOISTURE CONTENT, AND THEN RE-COMPACTED TO AT LEAST 95% OF THE MAXIMUM STANDARD PROCTOR DENSITY.
2. $\frac{1}{2}$ " ROAD BASE AND CDOT CLASS 6 ROAD BASE AGGREGATES SHALL BE COMPACTED TO AT LEAST 95% OF THE MAXIMUM MODIFIED PROCTOR DENSITY IN ACCORDANCE WITH ASTM 1557.
3. CONCRETE SHALL BE CDOT CLASS P (4,200 PSI AT 28 DAYS), OR APPROVED EQUAL.
- 3.1. CEMENT CONTENT: 660 LBS/CY
- 3.2. AIR CONTENT: 4%-8%
- 3.3. WATER-CEMENT RATIO: 0.44
4. CONCRETE SHALL RECEIVE A BROOM FINISH.
5. CONTROL JOINTS SHALL BE INSTALLED 10' O.C.
6. CONTROL JOINTS SHALL BE SAW CUT 2" DEEP AND $\frac{1}{2}$ " WIDE.
7. ALL CONTROL JOINTS SHALL RECEIVE JOINT SEALANT.
8. EXPANSION JOINTS SHALL BE USED AT ABUTTING CONCRETE FOUNDATIONS AND ASPHALT PAVING AND RECEIVE PRE-PLACED JOINT FILLER AND JOINT SEALER. EXPANSION JOINTS SHALL BE $\frac{1}{2}$ " WIDE WITH $\frac{1}{2}$ " DEPTH OF JOINT SEALER.

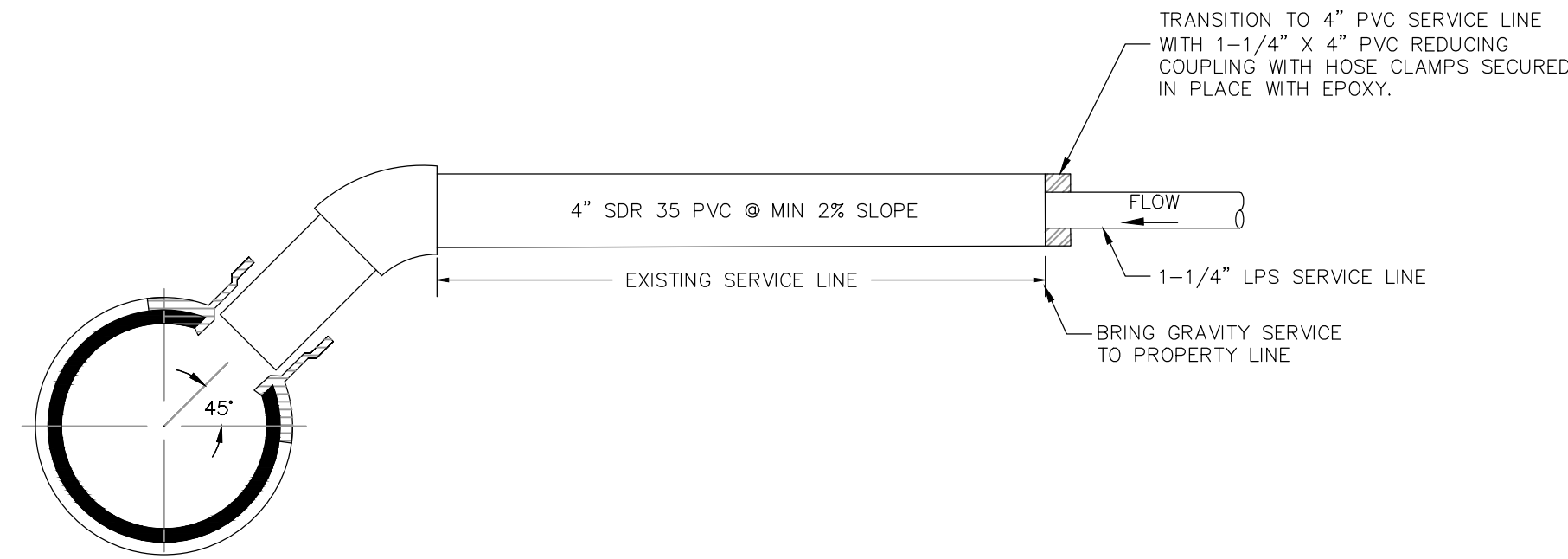
REINFORCED CONCRETE PAVING DETAIL
HORIZONTAL SCALE: 1"=10'

UTILITY INSTALLATION NOTES:


1. UTILITY LOCATES ARE PER FIELD LOCATES AND AS-BUILT RECORDS AND ARE APPROXIMATE AND HAVE NOT BEEN VERIFIED WITH POTHOLING. FOUR POINTS SURVEYING AND ENGINEERING SHALL NOT BE ACCOUNTABLE FOR THE LOCATION OF OR THE FAILURE TO NOTE THE LOCATION OF UNDERGROUND UTILITIES.
2. MINIMUM SEPARATION BETWEEN PARALLEL WATER AND SEWER SERVICES IS TEN (10') FEET.
3. ALL WATER AND SEWER SERVICE INSTALLATION WORK SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF MOUNT WERNER WATER AND SEWER STANDARDS AND SPECIFICATIONS, LATEST EDITION.
4. ALL DR. UTILITY WORK (ELECTRICAL, GAS, AND COMMUNICATIONS) SHALL BE IN ACCORDANCE WITH THE RESPECTIVE UTILITY SERVICE PROVIDERS.
5. WATER SERVICE LINES AND FITTINGS SHALL BE 1" COPPER TYPE K, WATER SERVICE LINE SHALL HAVE A MINIMUM OF 7'-FT OF COVER. SEWER SERVICE LOW PRESSURE LINE SHALL BE HDPE OR PVC 30" POLY PURE CORE, SEWER SERVICE LINE SHALL HAVE A MINIMUM OF 4'-FT OF COVER. GRAVITY SERVICE LINES SHALL BE 4" SDR 35 PIP INSTALLED AT A MIN 2% SLOPE AND MIN 4'-FT DEPTH. GRAVITY SERVICE LINE EXITING THE HOUSEHOLD SHALL BE SCHEDULE 40 PVC FOR A MINIMUM OF 30".
6. ALL MATERIALS USED FOR BACKFILL SHALL BE FREE FROM DEBRIS, ORGANIC MATERIAL, COBBLES, Boulders, LARGE ROCKS OR STONES OR PROJECTIONS GREATER THAN 6-INCH IN DIAMETER.
7. ALL TRENCHES SHALL BE COMPACTED TO 95% AS DETERMINED BY ASTM D698 (STANDARD PROCTOR) OR AS SPECIFIED BY GEOTECHNICAL ENGINEER (NWC).

GRINDER PUMP INSTALLATION NOTES:

1. INSTALL E-ONE DH152-93 GRINDER PUMP PER MANUFACTURERS TYPICAL INSTALLATION INSTRUCTIONS.
2. BEDDING MATERIAL SHALL CONSIST OF 6-INCHES OF ROAD BASE OR APPROVED SIMILAR. COMPACTION REQUIREMENTS SHALL EXCEED 95% MAXIMUM DRY DENSITY AS DETERMINED BY THE AASHTO T-180 TEST PROCEDURES.



PRESSURIZED WASTEWATER SERVICE LINE AND CONNECTION TO A GRAVITY SERVICE LINE
N.T.S.

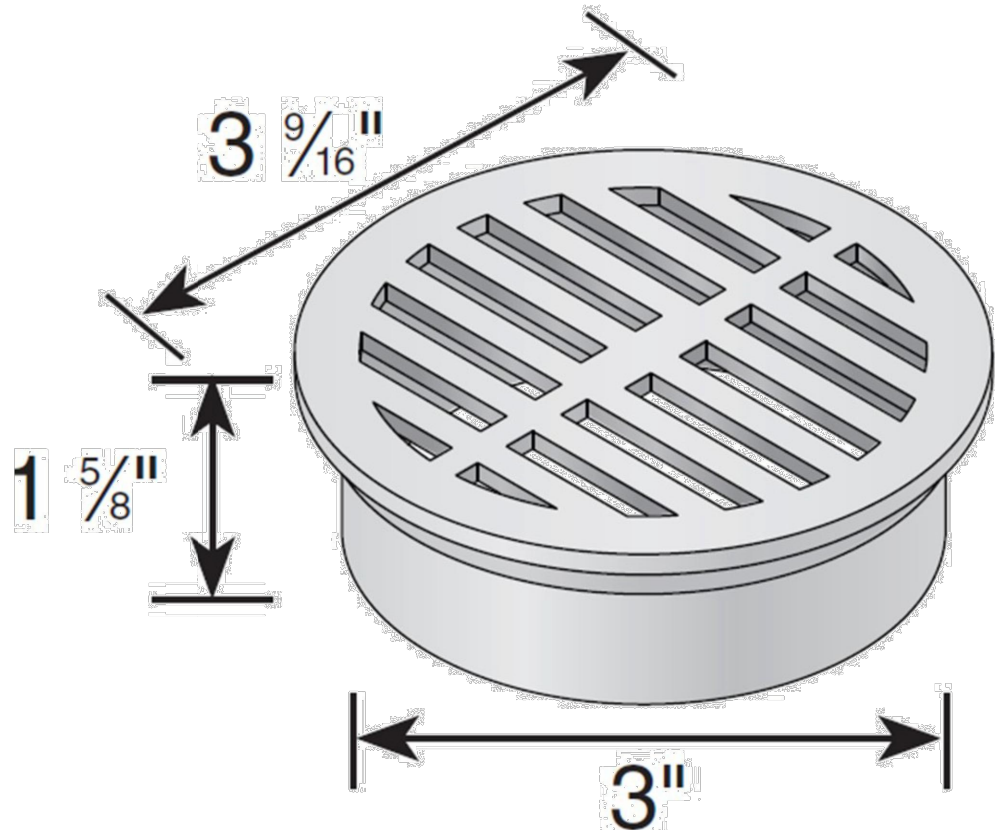


NDS™

WE PUT WATER IN ITS PLACE


TECHNICAL
SPECIFICATIONS

3" Round Grate



Part #: 14,15,16,&16S
Material: (HDP) High Density Polypropylene
Color: #14(Black), #15(Grey), #16(Green), & #16S(Sand)
Fits: 3" sewer and drain pipe & fittings,
3" corrugated and triple wall pipe.
Grate Opening: 3/16"
Open Surface Area: 2.60 Sq. Inches
Head Pressure / Flow Rate:
Head (inches) - Max Flow
1"= 11.25 GPM
0.5"= 7.95 GPM
Weight Per Each: 0.13 lbs.

Load Recommendation Guide




Class A


- Loads of 140 psi.
- Recommended for pedestrians, bicycles and wheel chair traffic.

ADA Compliant/Heel-proof

851 N. Harvard Avenue
Lindsay, CA 93247
800-726-1994



Visit ndspro.com for specs,
detail drawings, and case studies



NDS™

WE PUT WATER IN ITS PLACE

3" GRATE DRAIN

3" GRATE DRAIN

NOTES:

1. CONTRACTOR MAY USE AN APPROVED SIMILAR GRATE DRAIN.
2. ATTACH GRATE DRAIN TO 3" FLEXIBLE PVC W/ 3" PVC TEE AND 3" PVC RISER.