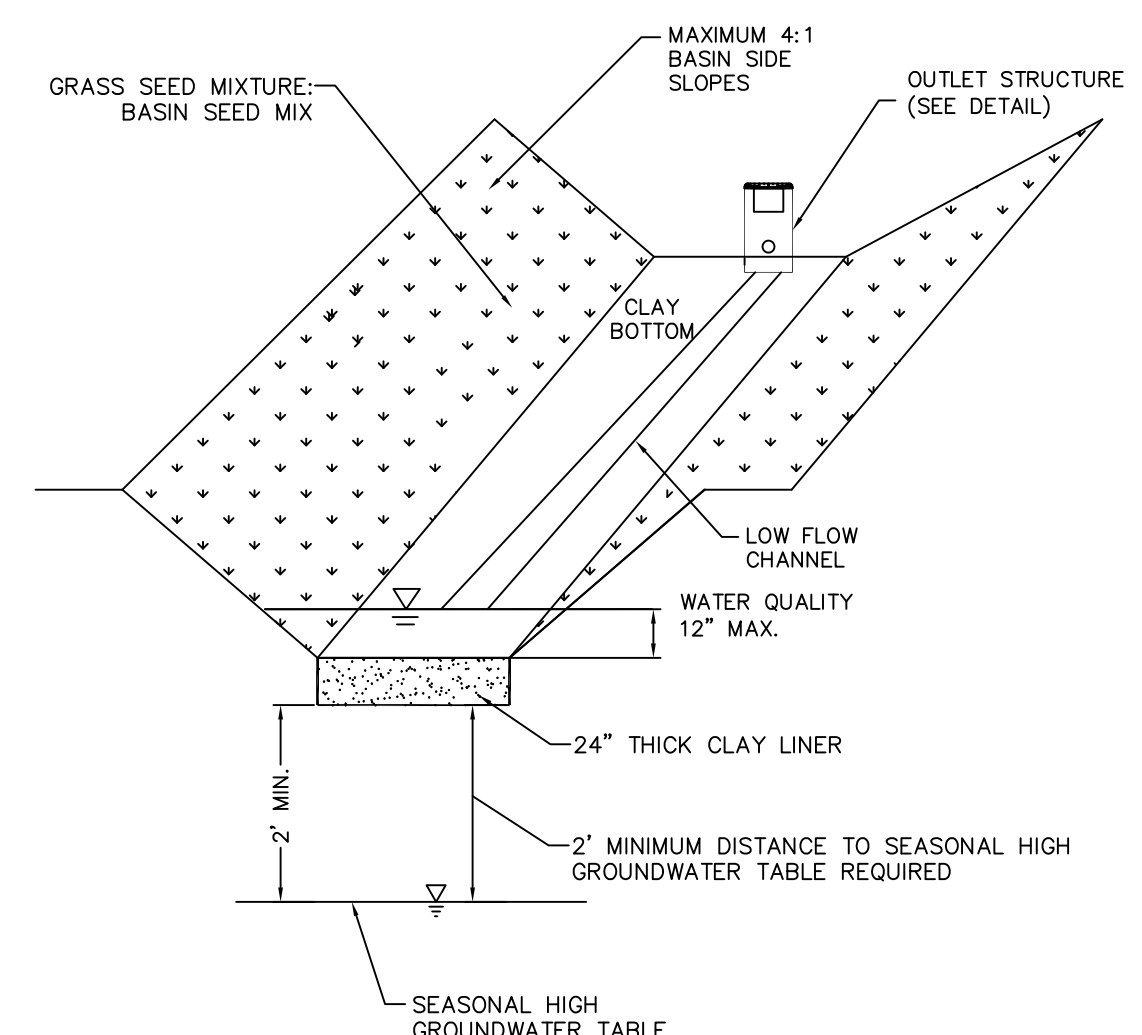
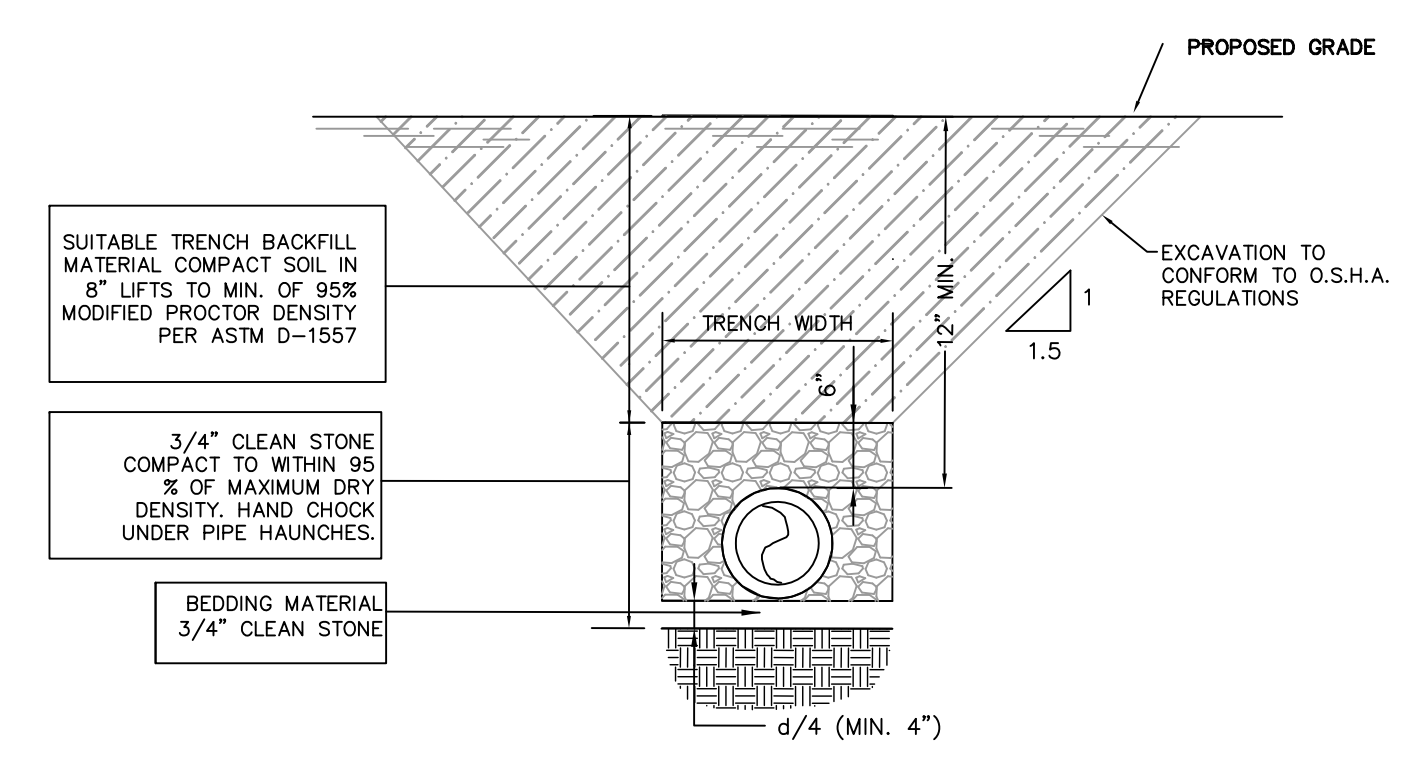


**OUTLET STRUCTURE BASIN 1 DETAIL**  
N.T.S.



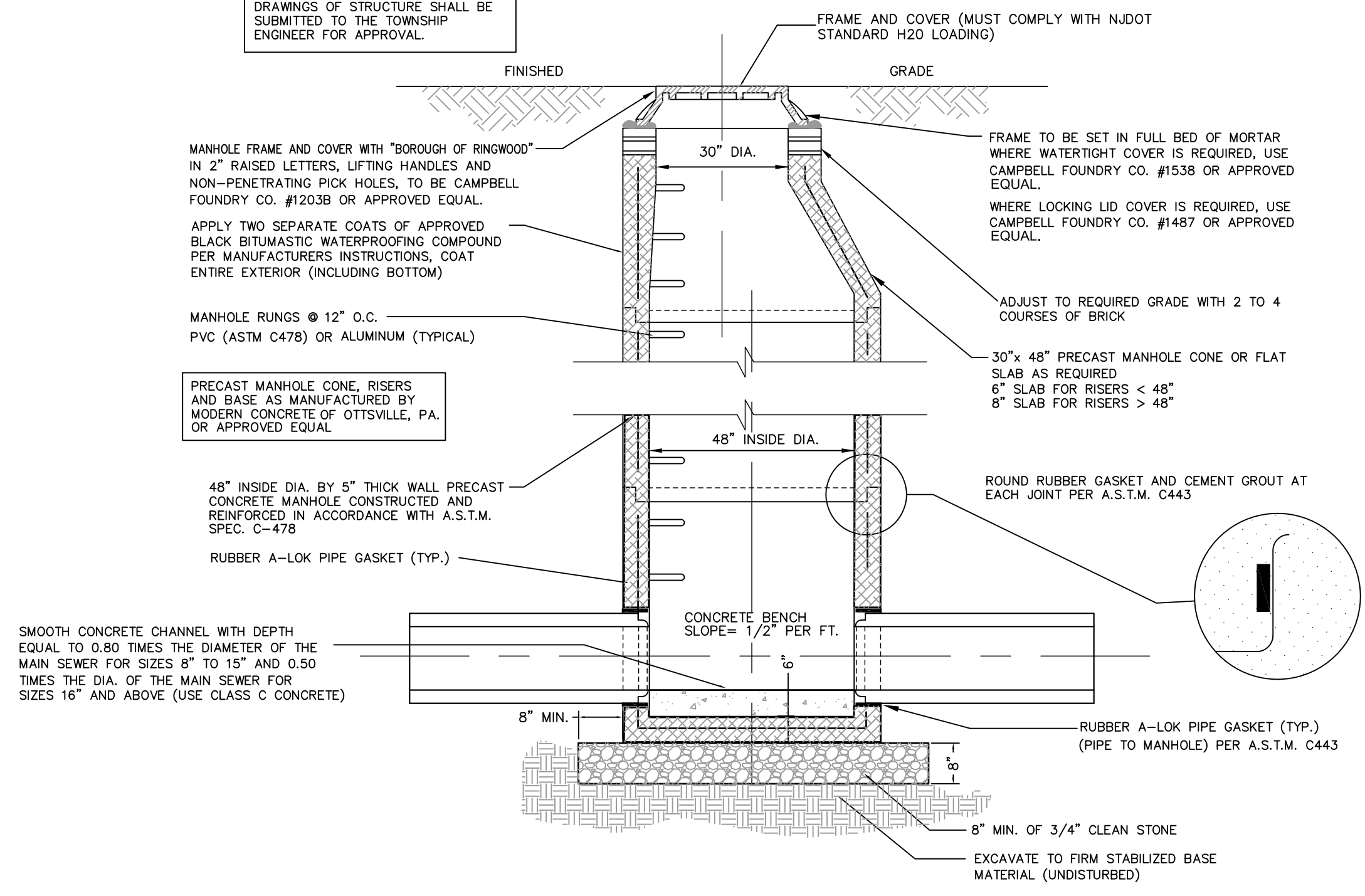
**DETENTION BASIN DETAIL**  
NOT TO SCALE



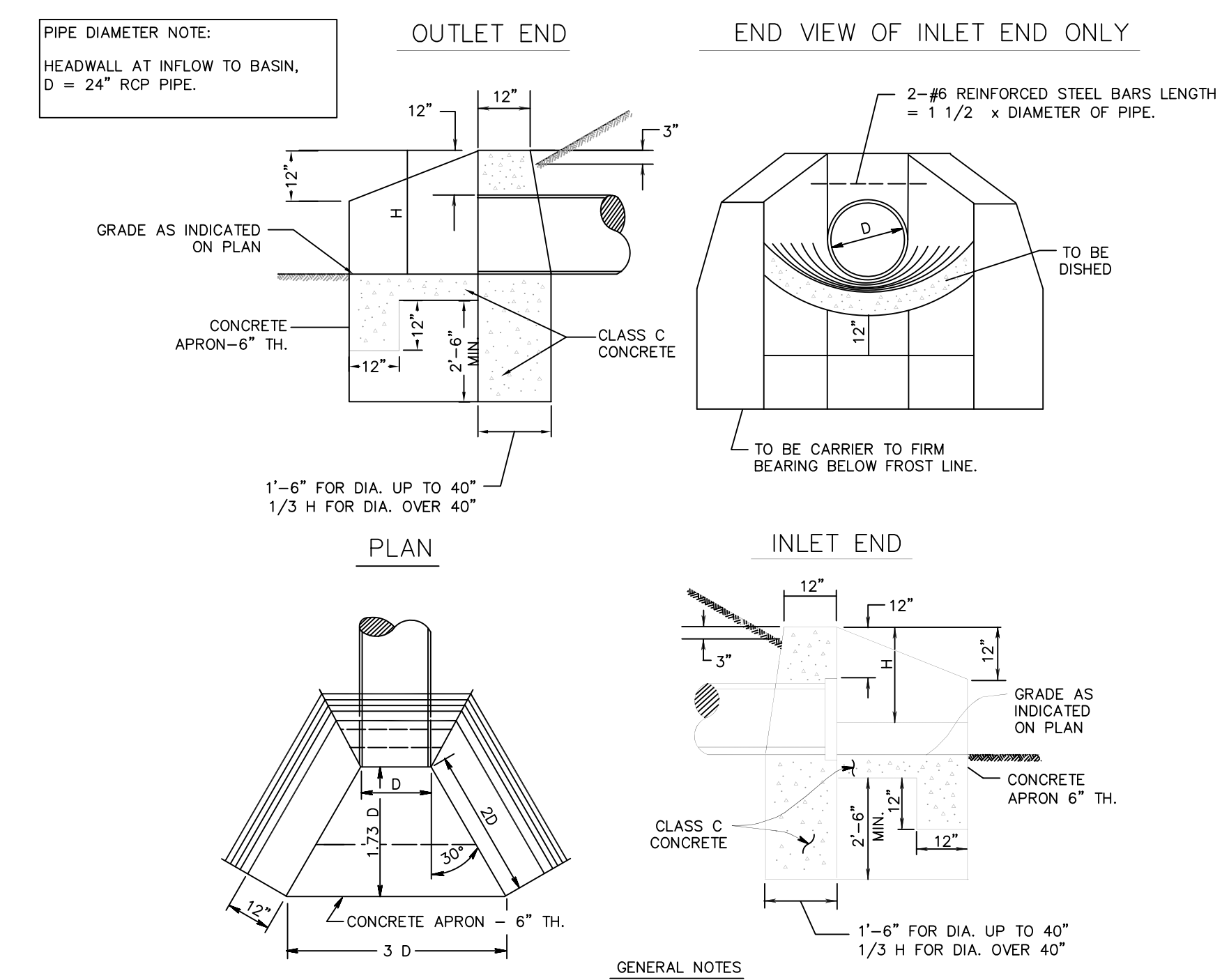
**TYPICAL TRENCH DETAIL FOR STORM PIPE**  
N.T.S.

- NOTES:
- TRENCH WIDTH SHALL BE A MINIMUM OF 1' EACH SIDE PLUS THE OUTSIDE DIAMETER OF THE PIPE. TRENCH WIDTH SHALL NOT EXCEED THAT REQUIRED FOR PROPER INSTALLATION BACKFILL AND COMPACTION OPERATIONS.
  - SUITABLE BACKFILL MATERIAL SHALL BE APPROVED BY THE APPLICANT'S GEOTECHNICAL ENGINEER PRIOR TO INSTALLATION. ALL GEOTECHNICAL APPROVALS OF BACKFILL SHALL BE SUBMITTED TO THE TOWNSHIP ENGINEER PRIOR TO BACKFILL OPERATIONS.
  - WHERE TRENCH PASSES THROUGH EXISTING PAVEMENT, THE PAVEMENT SHALL BE SAWCUT. PATCHING SHALL CONSIST OF TACKING EDGES OF EXISTING PAVEMENT AFTER BEING CUT BACK TO 12" PAST EXCAVATION EDGE.
  - ALL PIPE JOINTS TO BE WATERTIGHT.

STAMPED AND APPROVED SHOP DRAWINGS OF STRUCTURE SHALL BE SUBMITTED TO THE TOWNSHIP ENGINEER FOR APPROVAL.



**PRECAST CONCRETE MANHOLE**  
N.T.S.



- GENERAL NOTES
- ALL EDGES TO BE CHAMFERED 1"
  - FOR MORE THAN ONE PIPE, SET THE PIPES A MINIMUM OF ONE FOOT APART (OUTSIDE BARREL TO OUTSIDE BARREL) THERE SHALL BE 12" ABOVE THE TOP OF A PIPE IN A WING-WALL; THE TERMINUS OF THE WINGWALL SHALL BE 2D FROM THE C OF THE PIPE IN A WINGWALL.
  - THE TERMINUS FOR OUTLET AND INLET APRONS SHALL BE SET BY EXTENDING THE PIPE GRADE AHEAD AND BACK, RESPECTIVELY.
  - FOR ARCH PIPE, THE SPAN SHALL BE SUBSTITUTED FOR D.

**CONCRETE HEADWALL AND APRON**  
N.T.S.

140 WEST MAIN STREET HIGH BRIDGE, NJ 08829  
PH. 908-238-0544 FAX. 908-238-9572  
A PROFESSIONAL ASSOCIATION  
CERTIFICATE OF AUTHORIZATION NO.: 246A28021500

NO.	REVISION	BY	DATE
3	REV. PER LIMITS OF CAPPING PLAN	PMH	12/12/14
2	REV. PER COMMENTS	GJS	5/9/14
1	REV. FOR SUBMISSION	PMH	3/3/14

12/12/14 DATE WAYNE J. INGRAM  
PROFESSIONAL ENGINEER  
N.J. P.E. NO. 246E048393

PROJECT: BOROUGH OF RINGWOOD  
RECYCLING CENTER SITE PLAN

PETER'S MINE ROAD  
BLOCK 601 LOT 14 TAX MAP SHEET 6.03  
BOROUGH OF RINGWOOD

PASSAIC COUNTY NEW JERSEY

TITLE: **DETAILS**

JOB NO.:	13245C	DRAWING NO.:	<b>9</b> <b>11</b>
SCALE:	NTS		
DESIGNED:	PMH		
CHECKED:	WJI		
FILENAME:	09_12_DETAILS.DWG		
DATE:	5/9/2014		