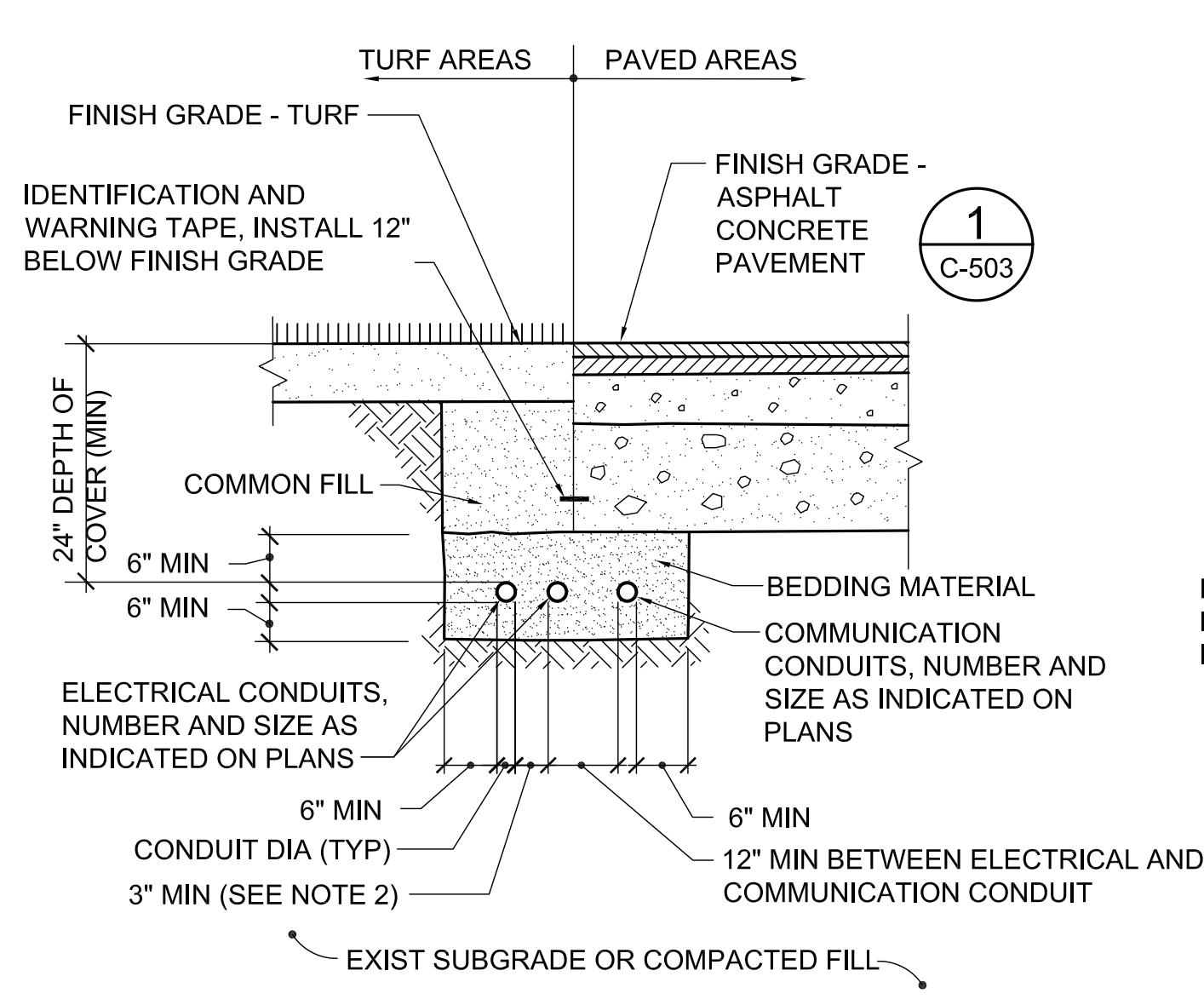


GREASE TRAP NOTES:

- GREASE TRAP SHALL CONFORM TO CITY OF PORTLAND'S WRITTEN REQUIREMENTS (TECHNICAL MANUAL FIGURE II-19).
- DIMENSIONS INDICATED ARE BASED ON ONE MANUFACTURER AND ARE APPROXIMATE.
- CONCRETE SHALL BE MINIMUM 5000 PSI 28-DAY COMPRESSIVE STRENGTH.
- PROVIDE REINFORCING TO ACHIEVE AASHTO HS-20 LOADING CLASSIFICATION (32,000 POUND AXLE LOAD).
- TEES SHALL BE SCHEDULE 40 PVC WITH SOLVENT CEMENT JOINTS.
- KEYED JOINTS SHALL BE SEALED WITH BUTYL RUBBER SEALANT.
- PRECAST CONCRETE GREASE TRAP SHALL BE CONSTRUCTED IN ACCORDANCE WITH ASTM C1227.

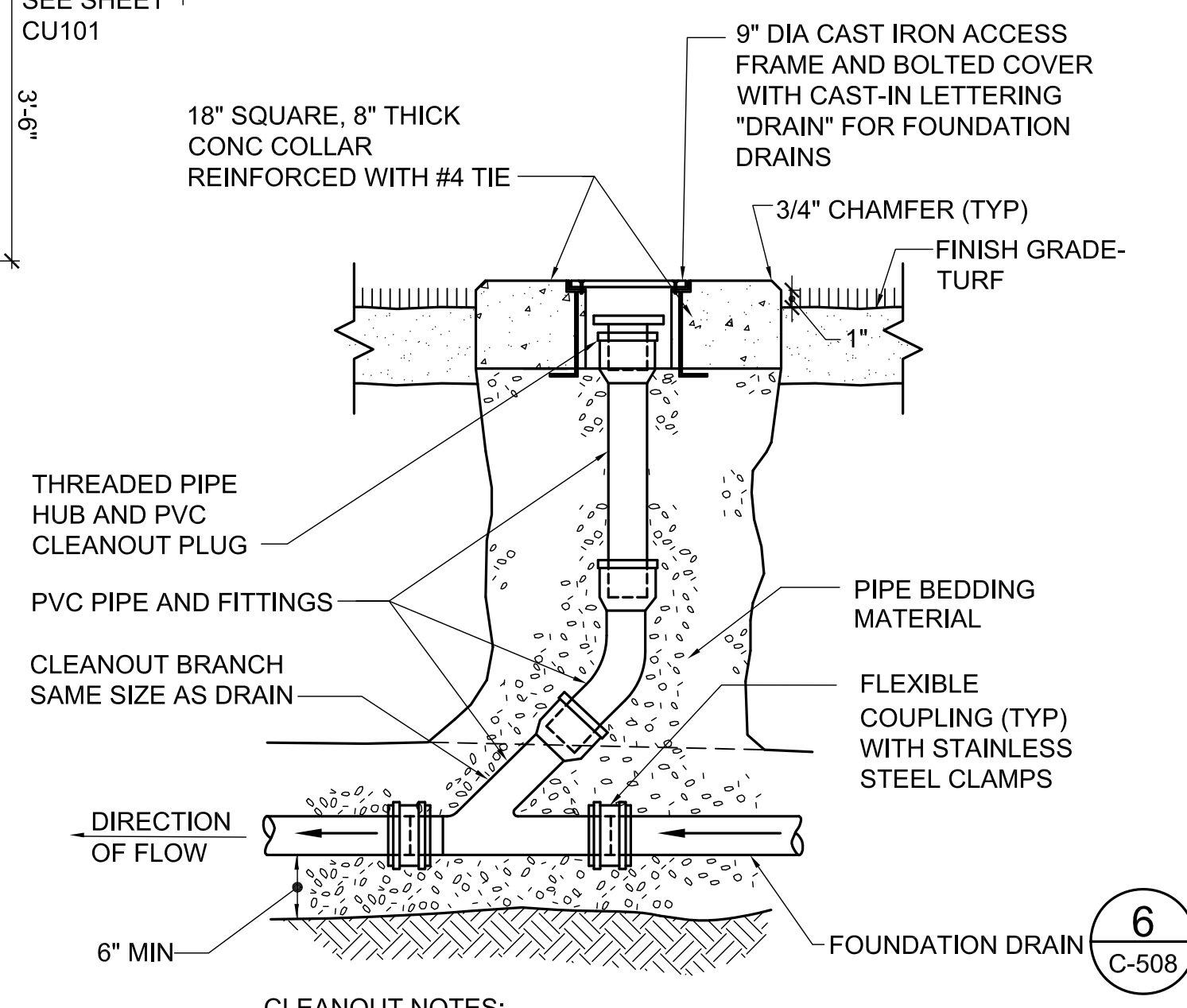
1 1,000 GALLON GREASE TRAP DETAIL
C-508 / NOT TO SCALE



CONDUIT TRENCH NOTES:

- ALL VERTICAL CONDUIT BENDS, RISERS, AND ABOVE GRADE CONDUIT SHALL BE RIGID GALV. STEEL.
- PROVIDE 24" MIN SEPARATION BETWEEN GAS LINES AND ELECTRICAL/COMMUNICATIONS CONDUITS.

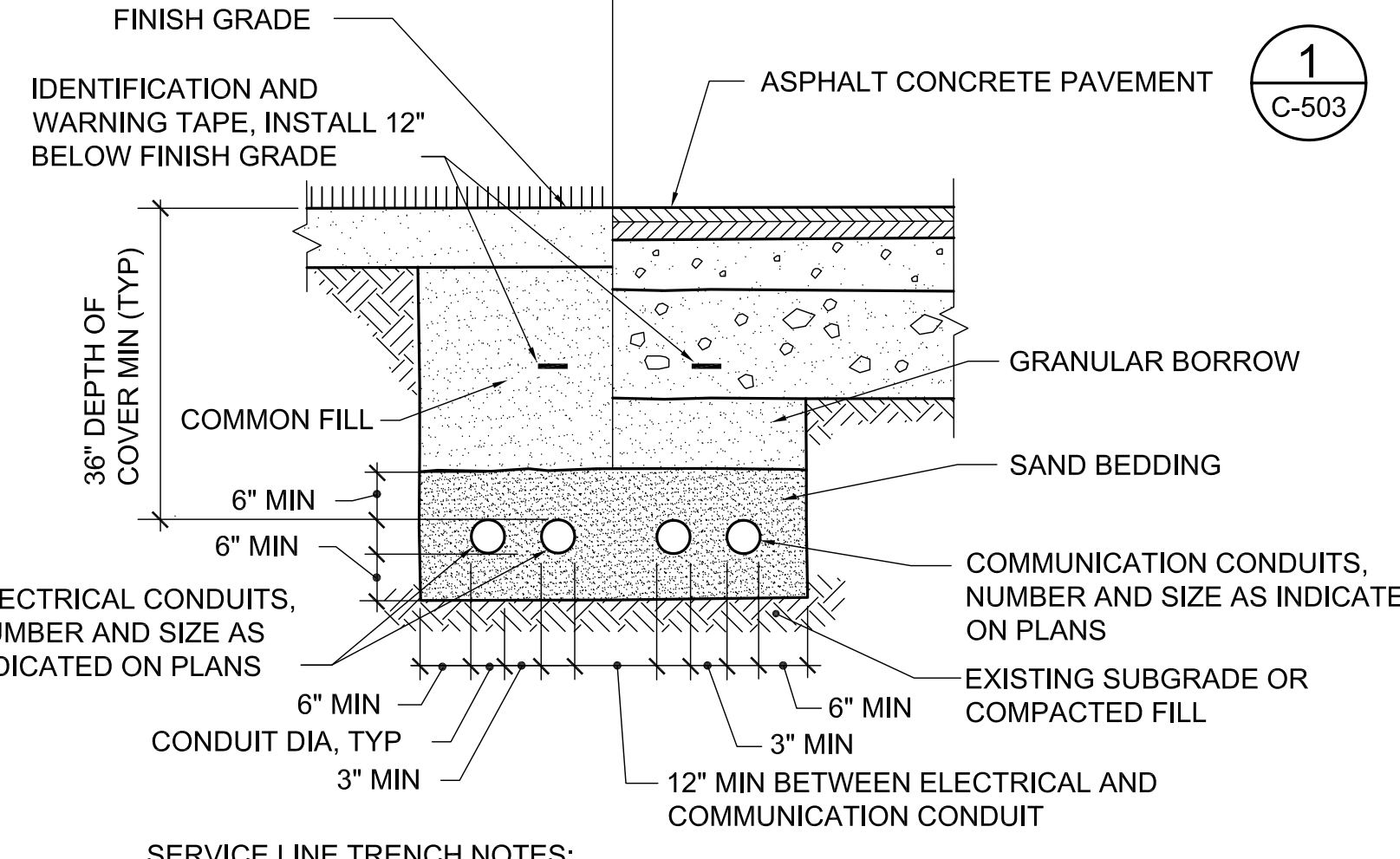
2 CONDUIT TRENCH DETAIL
C-508 / NOT TO SCALE



CLEANOUT NOTES:

- IN-LINE CLEANOUT SHOWN. FOR CLEANOUTS AT THE END OF LINES, PROVIDE 45 DEGREE BEND IN LIEU OF WYE.

5 FOUNDATION DRAIN CLEANOUT DETAIL
C-508 / NOT TO SCALE



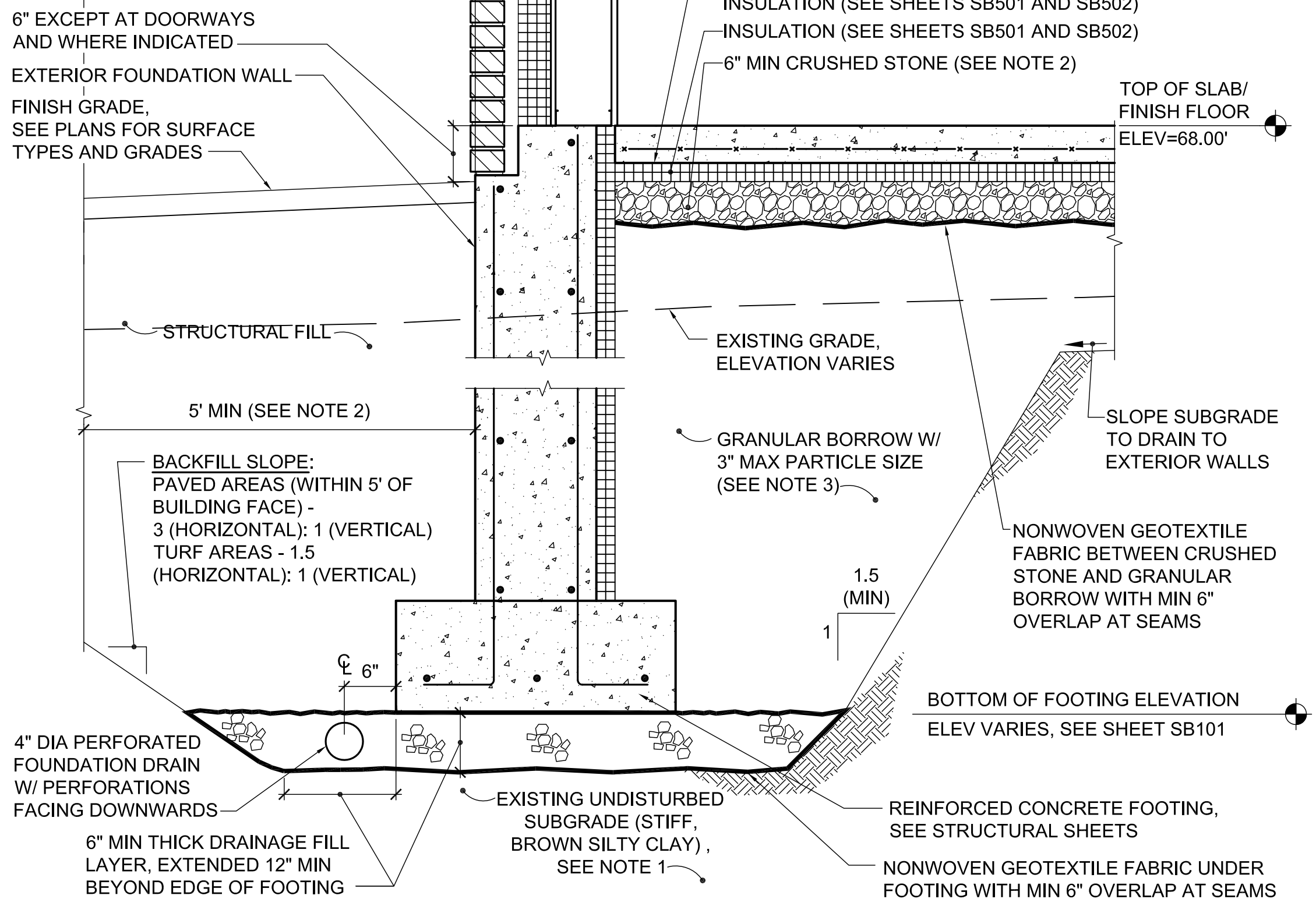
SERVICE LINE TRENCH NOTES:

- CONFORM TO LOCAL UTILITY COMPANY REQUIREMENTS FOR MATERIALS AND INSTALLATION OF UNDERGROUND SERVICE ENTRANCE.
- PROVIDE 24" MIN SEPARATION BETWEEN GAS LINES AND ELECTRICAL/COMMUNICATIONS CONDUITS.
- ALL VERTICAL CONDUIT BENDS, RISERS, AND ABOVE GRADE CONDUIT SHALL BE RIGID GALV. STEEL.

3 ELECTRIC AND COMMUNICATIONS SERVICE TRENCH DETAIL
C-508 / NOT TO SCALE

FOUNDATION PREP AND DRAIN NOTES:

- EXISTING FOOTING SUBGRADE SOILS ARE SUSCEPTIBLE TO WEAKENING IF WET OR DISTURBED. EXCAVATE FOR FOOTINGS USING A SMOOTH-EDGED BUCKET TO PREVENT DISTURBANCE. IF SUBGRADE BECOMES WET OR DISTURBED, OVER-EXCAVATE AND RE-FILL WITH SUITABLE MATERIAL AS DIRECTED BY THE OWNER/ARCHITECT AT NO COST TO THE OWNER.
- BACKFILL WITH STRUCTURAL FILL WITHIN 12" OF THE EXTERIOR SIDE OF EXTERIOR FOOTINGS AND 5' OF FOUNDATION WALLS. BACKFILL WITH GRANULAR BORROW FOR ALL INTERIOR FOOTINGS AND FOUNDATION WALLS. PROVIDE 6" MIN CRUSHED STONE BENEATH ALL INTERIOR SLABS.
- MAXIMUM PARTICLE SIZE IN ANY MATERIAL WITHIN 12" OF FOOTINGS, FOUNDATION WALLS AND FLOOR SLABS SHALL BE 3".
- SEE SHEETS SB501 AND SB502 FOR FOUNDATION DETAILS, INCLUDING SLAB, FOOTING, INSULATION AND VAPOR BARRIER INFORMATION.



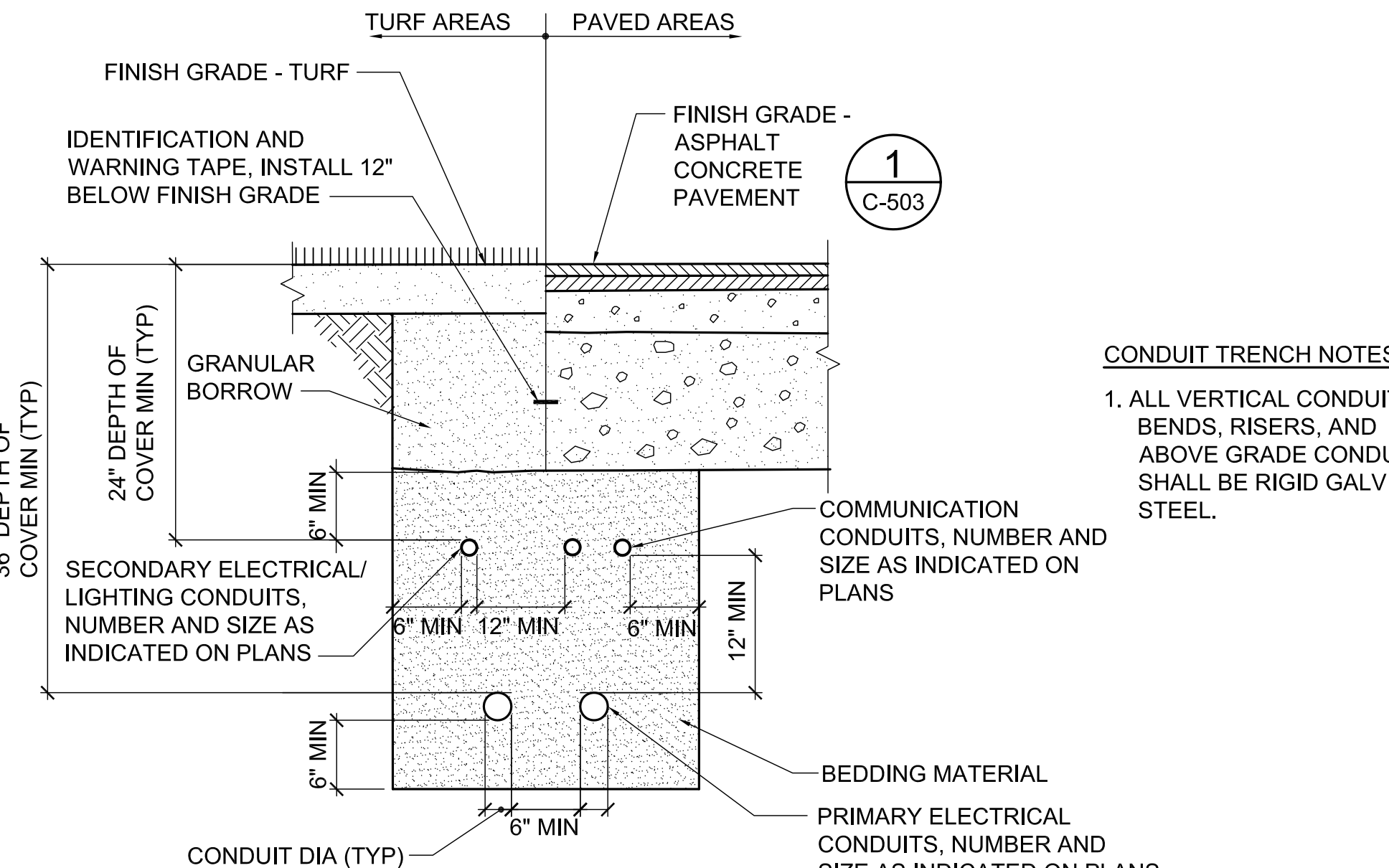
6 TYP FOUNDATION PREPARATION AND DRAIN DETAIL
C-508 / NOT TO SCALE

CONCRETE SPECIFICATIONS:

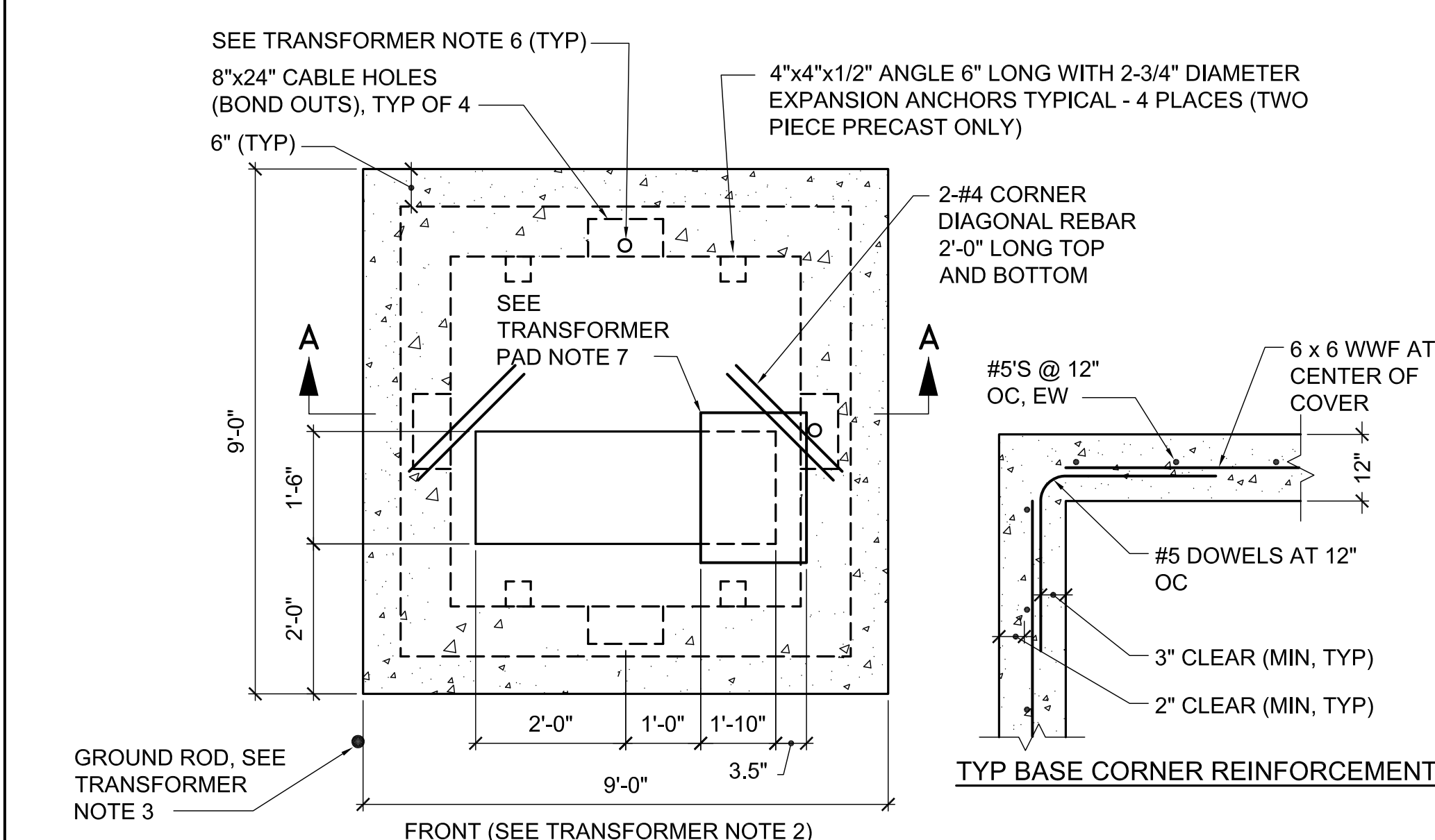
- 4000 PSI AFTER 28 DAYS WITH 4%-6% AIR
- REINFORCING IS GRADE 60

TRANSFORMER PAD NOTES:

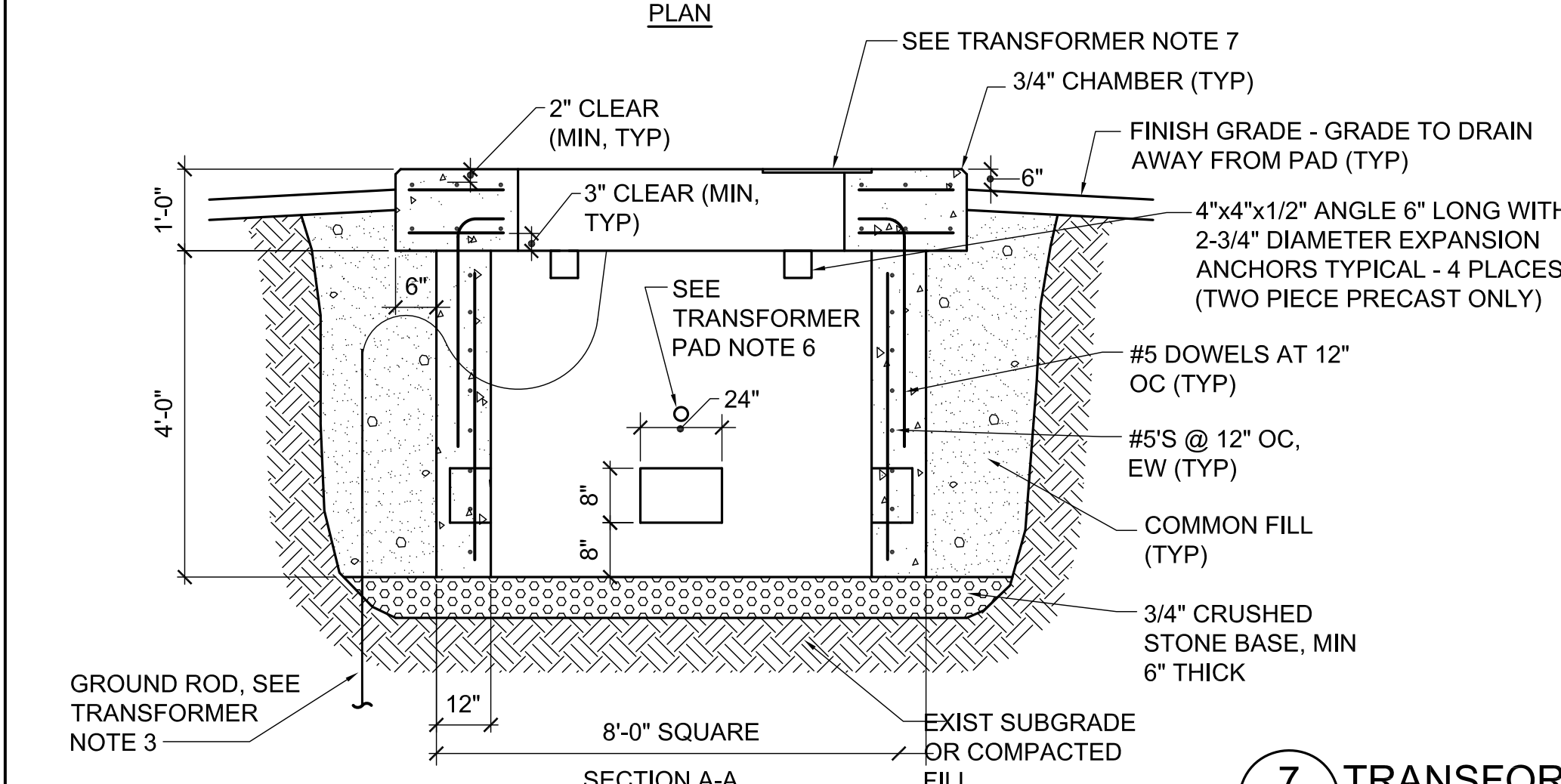
- TRANSFORMER PAD SHALL COMPLY WITH ILLUSTRATION NO. 23 "SINGLE PHASE CONCRETE TRANSFORMER FOUNDATION" OF THE "CENTRAL MAINE POWER HANDBOOK OF REQUIREMENTS FOR ELECTRIC SERVICE AND METER INSTALLATIONS."
- FRONT DENOTES THE SIDE ON WHICH THE ACCESS DOORS ARE LOCATED. THE CONCRETE BASE SHALL BE SET ON A SUITABLE GRAVEL BASE AND LOCATED SO THE FRONT IS ACCESSIBLE BY TRUCK AND SUITABLE PROTECTED FROM FLOW AND TRAFFIC DAMAGE.
- PROVIDE 6" SQUARE CABLE HOLES (BOND OUT) 3' UP THE WALL FROM THE BASE, ONE PER WALL.
- CONDUIT ENTERING CONCRETE STRUCTURES SHALL BE SET BACK FROM THE INSIDE WALL 1 TO 2 INCHES AND THE SPACE WITHIN THE KNOCKOUT SURROUNDING THE CONDUITS COMPLETELY FILLED WITH MORTAR TO PREVENT SOIL FROM ENTERING STRUCTURE. INSIDE THE STRUCTURE THE MORTAR SHALL BE FINISHED AND BEVELED FROM THE CONDUIT ENDS TO THE INSIDE WALL FACE TO COVER AND SMOOTH THE EDGES OF THE KNOCKOUTS.
- INSTALL A 3/4" X 8" GALVANIZED GROUND ROD 6" IN FRONT OF THE LEFT FRONT CORNER OF TRANSFORMER FOUNDATION. THE TOP OF THE GROUND ROD SHALL BE 6" BELOW FINAL GRADE.
- INSTALL A GROUND WIRE FROM THE GROUND ROD THROUGH THE 1/2" GROUND WIRE HOLE PROVIDED OR THE CABLE HOLE AT THE BOTTOM OF THE PAD. 10 FEET OF GROUND WIRE SHALL BE PROVIDED SO THAT IT CAN BE INSTALLED THROUGH THE TWO GROUNDING LUGS AND CONNECTED TO THE NEUTRAL SPADE.
- INSTALL PULLING EYE INSERT. FOR USE WITH 3/4" NATIONAL COURSE THREAD EYE-BOLT (RICHMOND LCB-1 OR EQUIVALENT). LOCATE INSERT OPPOSITE EACH CABLE HOLE AND APPROXIMATELY 16" FROM THE BOTTOM.



7 COMBINATION CONDUIT TRENCH DETAIL
C-508 / NOT TO SCALE



8 SINGLE PHASE TRANSFORMER PAD DETAIL
C-508 / NOT TO SCALE



7 TRANSFORMER PAD DETAIL
C-508 / NOT TO SCALE

STATE OF MAINE PUBLIC SCHOOL PROJECT			
TITLE: PORTLAND PUBLIC SCHOOLS			
LOCATION: NEW FRED P. HALL ELEMENTARY SCHOOL			
23 ORONO ROAD, PORTLAND, ME			
DATE: 03/17/17			
NO.	DATE	DESCRIPTION	BY