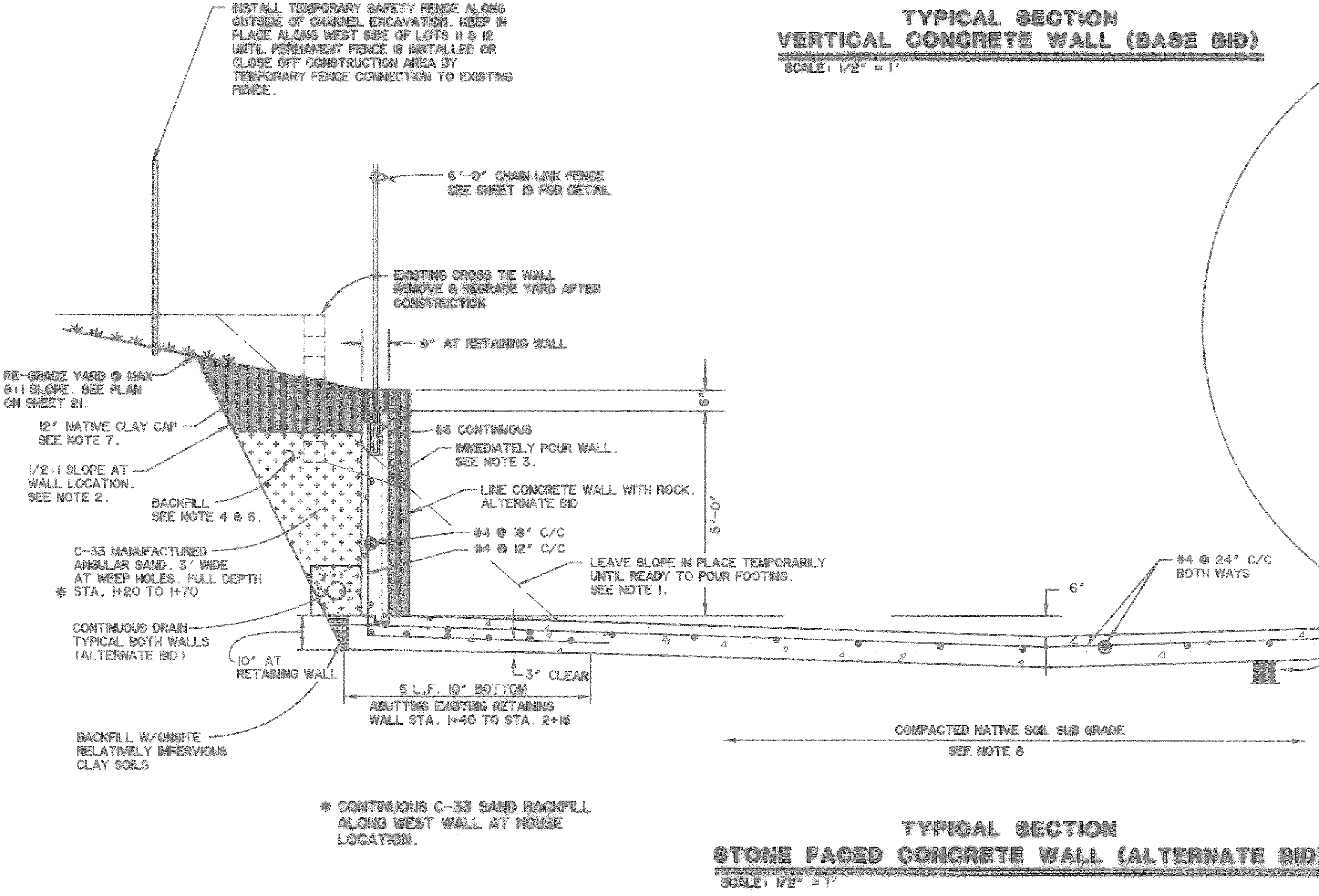


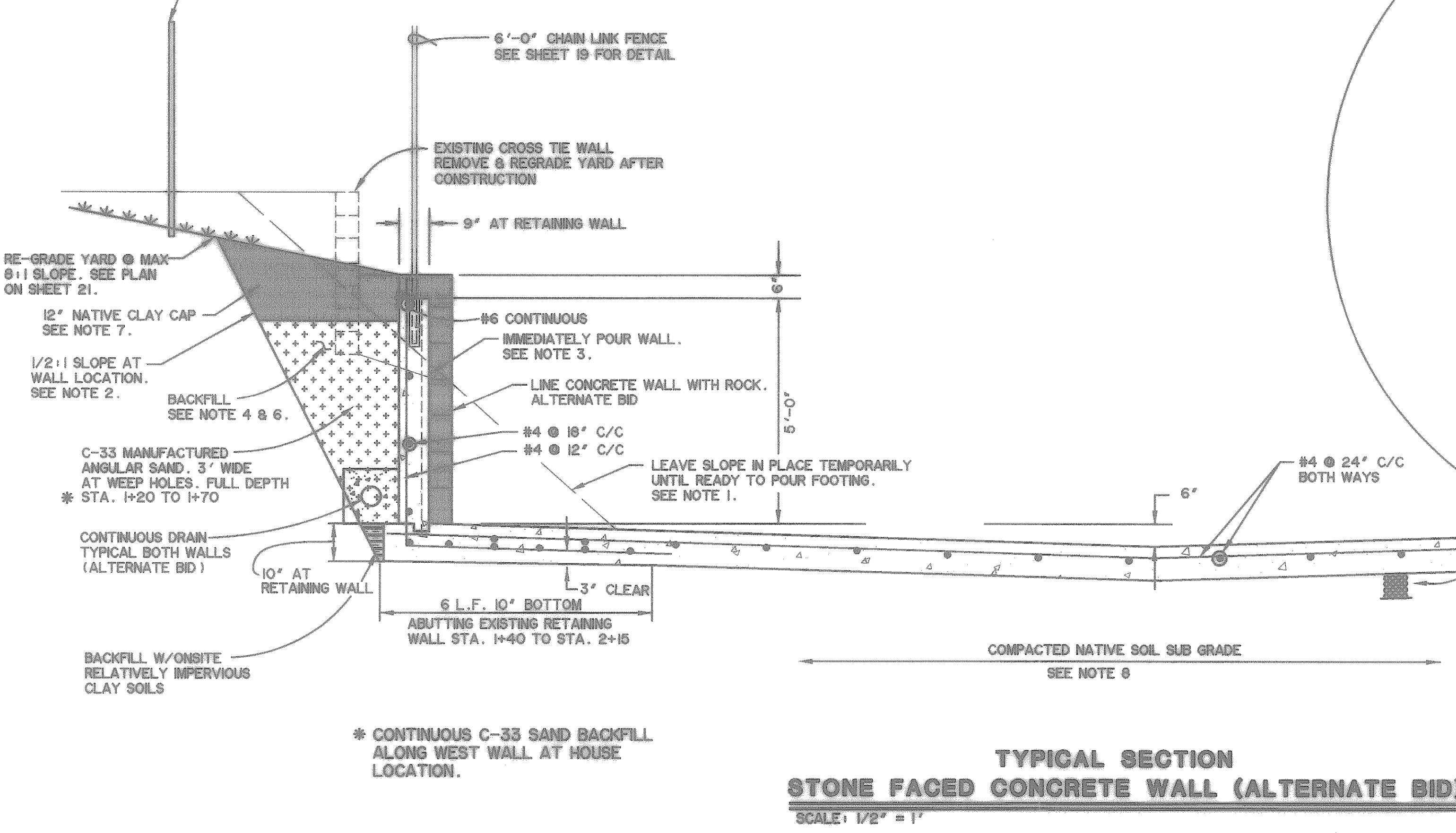
CLEAN OUT DETAIL

- N.T.S.
- ASTM C 33 FINE AGGREGATE ANGULAR SAND
 - ASTM C33 COARSE AGGREGATE #57 WASHED GRAVEL
 - ENVELOPE WASHED GRAVEL WITH FILTER FABRIC SUCH AS NICOLN 40/30A POLYFILTER G/B, OR MEFY 750X
 - 6" SDR TYPE "A" PERFORATED PLASTIC PIPE AT MINIMUM 1/4" GRADE
 - DELETE WEEP HOLES WHERE CONTINUOUS DRAIN IS PROVIDED



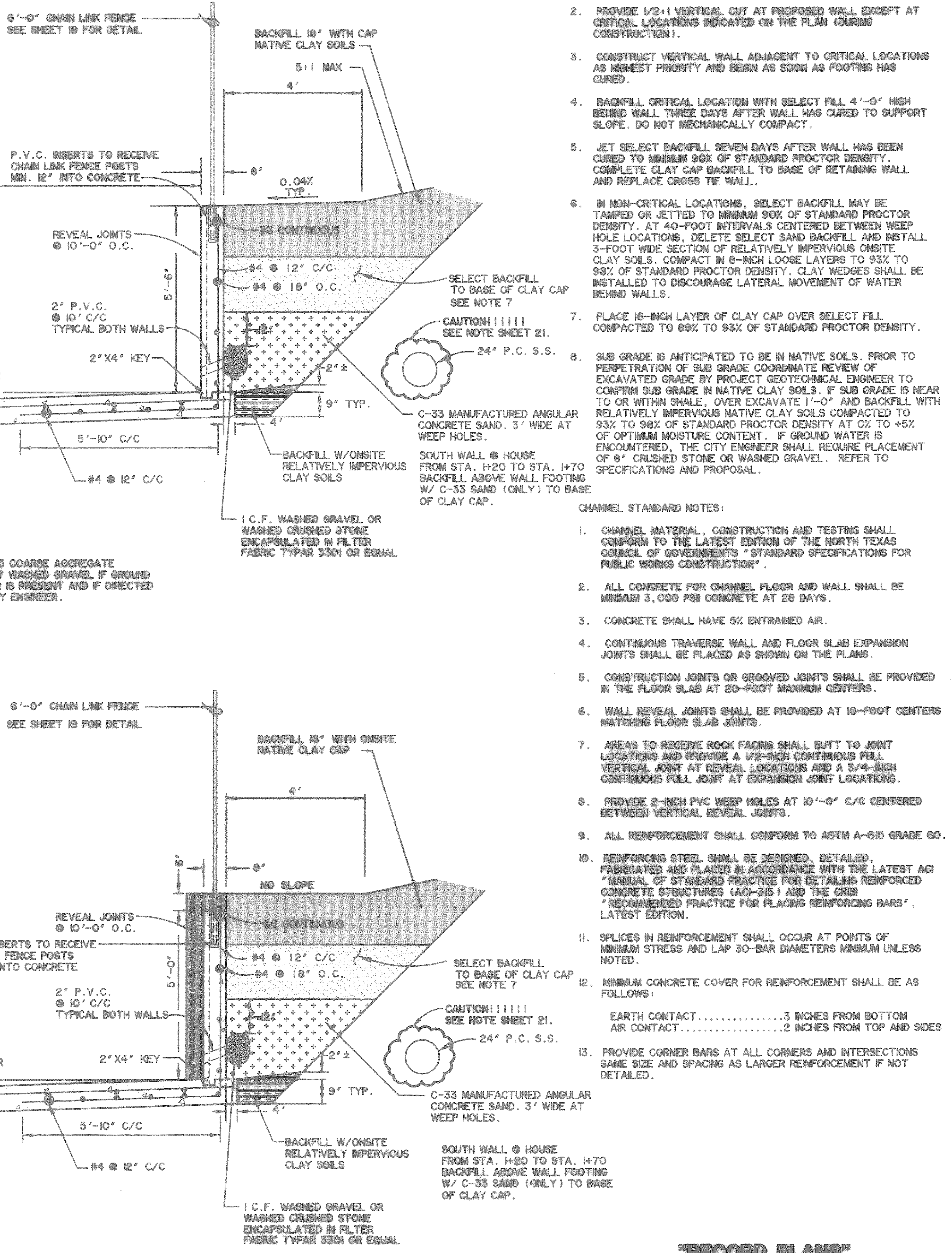
**TYPICAL SECTION
 VERTICAL CONCRETE WALL (BASE BID)**

SCALE: 1/2" = 1'



**TYPICAL SECTION
 STONE FACED CONCRETE WALL (ALTERNATE BID)**

SCALE: 1/2" = 1'



- NOTES:
- AT CRITICAL LOCATIONS NEAR HOUSES, AND RETAINING WALLS, WHERE INDICATED ON THE PLAN, THE WEST CHANNEL WALL SHALL NOT BE EXCAVATED UNTIL THE CHANNEL BOTTOM IS WITHIN THREE DAYS OF POURING.
 - PROVIDE 1/2:1 VERTICAL CUT AT PROPOSED WALL EXCEPT AT CRITICAL LOCATIONS INDICATED ON THE PLAN (DURING CONSTRUCTION).
 - CONSTRUCT VERTICAL WALL ADJACENT TO CRITICAL LOCATIONS AS HIGHEST PRIORITY AND BEGIN AS SOON AS FOOTING HAS CURED.
 - BACKFILL CRITICAL LOCATION WITH SELECT FILL 4'-0" HIGH BEHIND WALL THREE DAYS AFTER WALL HAS CURED TO SUPPORT SLOPE. DO NOT MECHANICALLY COMPACT.
 - JET SELECT BACKFILL SEVEN DAYS AFTER WALL HAS BEEN CURED TO MINIMUM 90% OF STANDARD PROCTOR DENSITY. COMPLETE CLAY CAP BACKFILL TO BASE OF RETAINING WALL AND REPLACE CROSS TIE WALL.
 - IN NON-CRITICAL LOCATIONS, SELECT BACKFILL MAY BE TAMPED OR JETTED TO MINIMUM 90% OF STANDARD PROCTOR DENSITY. AT 40-FOOT INTERVALS CENTERED BETWEEN WEEP HOLE LOCATIONS, DELETE SELECT SAND BACKFILL AND INSTALL 3-FOOT WIDE SECTION OF RELATIVELY IMPERVIOUS ONSITE CLAY SOILS. COMPACT IN 8-INCH LOOSE LAYERS TO 93% TO 98% OF STANDARD PROCTOR DENSITY. CLAY WEDGES SHALL BE INSTALLED TO DISCOURAGE LATERAL MOVEMENT OF WATER BEHIND WALLS.
 - PLACE 18-INCH LAYER OF CLAY CAP OVER SELECT FILL COMPACTED TO 88% TO 93% OF STANDARD PROCTOR DENSITY.
 - SUB WALL IS ANTICIPATED TO BE IN NATIVE SOILS. PRIOR TO PERPETRATION OF SUB GRADE COORDINATE REVIEW OF EXCAVATED GRADE BY PROJECT GEOTECHNICAL ENGINEER TO CONFIRM SUB GRADE IN NATIVE CLAY SOILS. IF SUB GRADE IS NEAR TO OR WITHIN SHALE, OVER EXCAVATE 1'-0" AND BACKFILL WITH RELATIVELY IMPERVIOUS NATIVE CLAY SOILS COMPACTED TO 93% TO 98% OF STANDARD PROCTOR DENSITY AT 0% TO +5% OF OPTIMUM MOISTURE CONTENT. IF GROUND WATER IS ENCOUNTERED, THE CITY ENGINEER SHALL REQUIRE PLACEMENT OF 8" CRUSHED STONE OR WASHED GRAVEL. REFER TO SPECIFICATIONS AND PROPOSAL.
- CHANNEL STANDARD NOTES:
- CHANNEL MATERIAL, CONSTRUCTION AND TESTING SHALL CONFORM TO THE LATEST EDITION OF THE NORTH TEXAS COUNCIL OF GOVERNMENTS "STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION".
 - ALL CONCRETE FOR CHANNEL FLOOR AND WALL SHALL BE MINIMUM 3,000 PSI CONCRETE AT 28 DAYS.
 - CONCRETE SHALL HAVE 5% ENTRAINED AIR.
 - CONTINUOUS TRAVERSE WALL AND FLOOR SLAB EXPANSION JOINTS SHALL BE PLACED AS SHOWN ON THE PLANS.
 - CONSTRUCTION JOINTS OR GROOVED JOINTS SHALL BE PROVIDED IN THE FLOOR SLAB AT 20-FOOT MAXIMUM CENTERS.
 - WALL REVEAL JOINTS SHALL BE PROVIDED AT 10-FOOT CENTERS MATCHING FLOOR SLAB JOINTS.
 - AREAS TO RECEIVE ROCK FACING SHALL BUTT TO JOINT LOCATIONS AND PROVIDE A 1/2-INCH CONTINUOUS FULL VERTICAL JOINT AT REVEAL LOCATIONS AND A 3/4-INCH CONTINUOUS FULL JOINT AT EXPANSION JOINT LOCATIONS.
 - PROVIDE 2-INCH PVC WEEP HOLES AT 10'-0" C/C CENTERED BETWEEN VERTICAL REVEAL JOINTS.
 - ALL REINFORCEMENT SHALL CONFORM TO ASTM A-615 GRADE 60.
 - REINFORCING STEEL SHALL BE DESIGNED, DETAILED, FABRICATED AND PLACED IN ACCORDANCE WITH THE LATEST ACI "MANUAL OF STANDARD PRACTICE FOR DETAILING REINFORCED CONCRETE STRUCTURES (ACI-315)" AND THE CRSI "RECOMMENDED PRACTICE FOR PLACING REINFORCING BARS", LATEST EDITION.
 - SPLICES IN REINFORCEMENT SHALL OCCUR AT POINTS OF MINIMUM STRESS AND LAP 30-BAR DIAMETERS MINIMUM UNLESS NOTED.
 - MINIMUM CONCRETE COVER FOR REINFORCEMENT SHALL BE AS FOLLOWS:
 EARTH CONTACT.....3 INCHES FROM BOTTOM
 AIR CONTACT.....2 INCHES FROM TOP AND SIDES
 - PROVIDE CORNER BARS AT ALL CORNERS AND INTERSECTIONS SAME SIZE AND SPACING AS LARGER REINFORCEMENT IF NOT DETAILED.

**"RECORD PLANS"
 06-25-99**