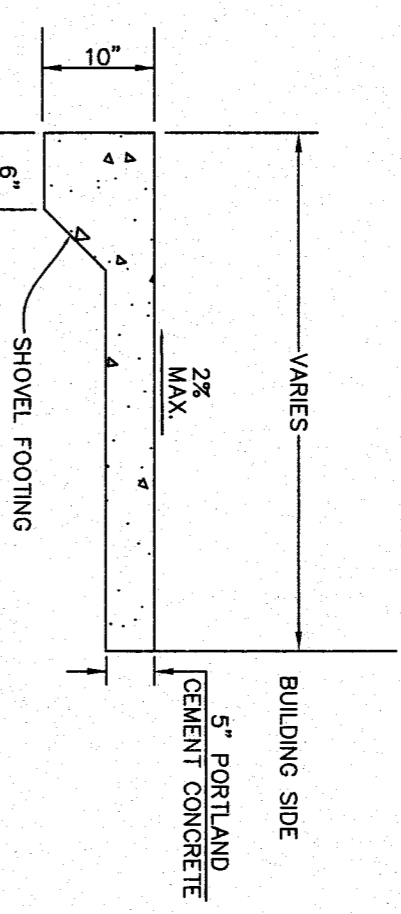
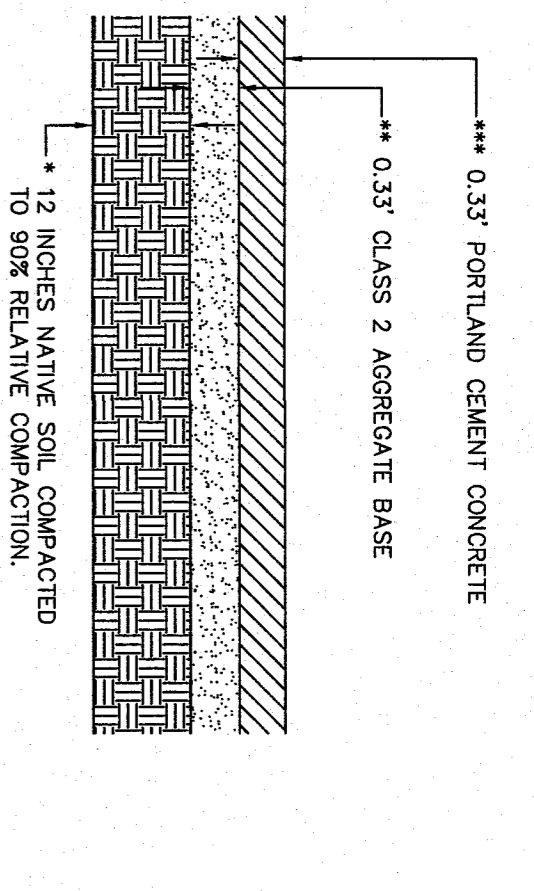


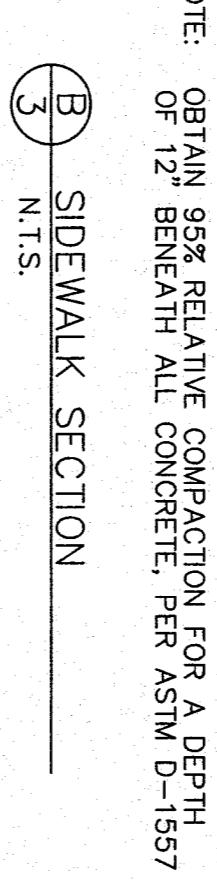
(A) TYPICAL PAVING SECTION
N.T.S.



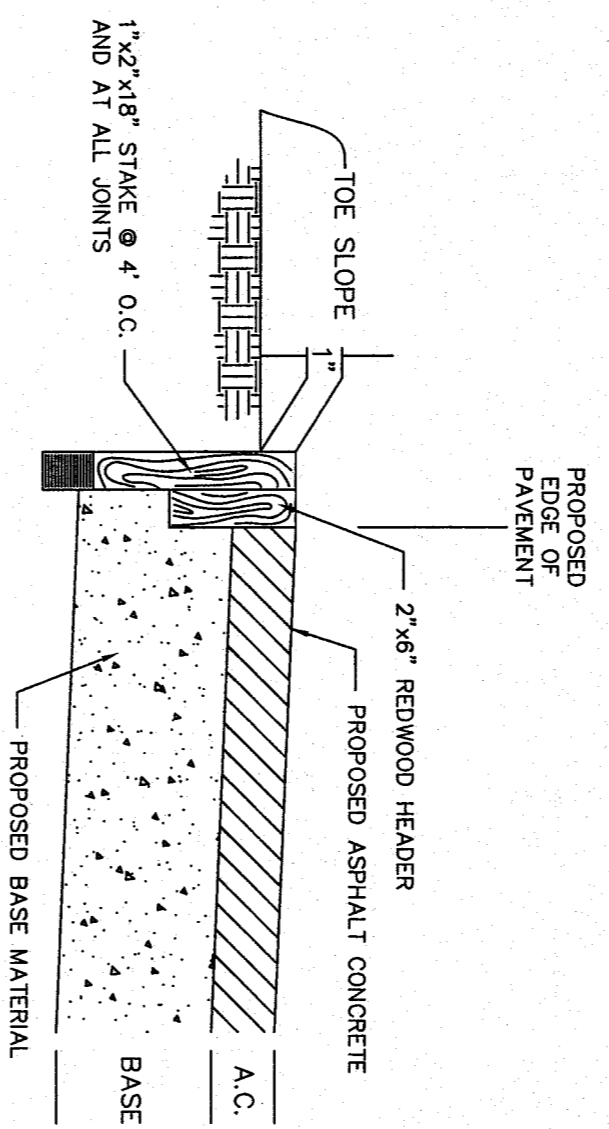
(E) TYPICAL PORTLAND CEMENT PAVEMENT SECTION
N.T.S.



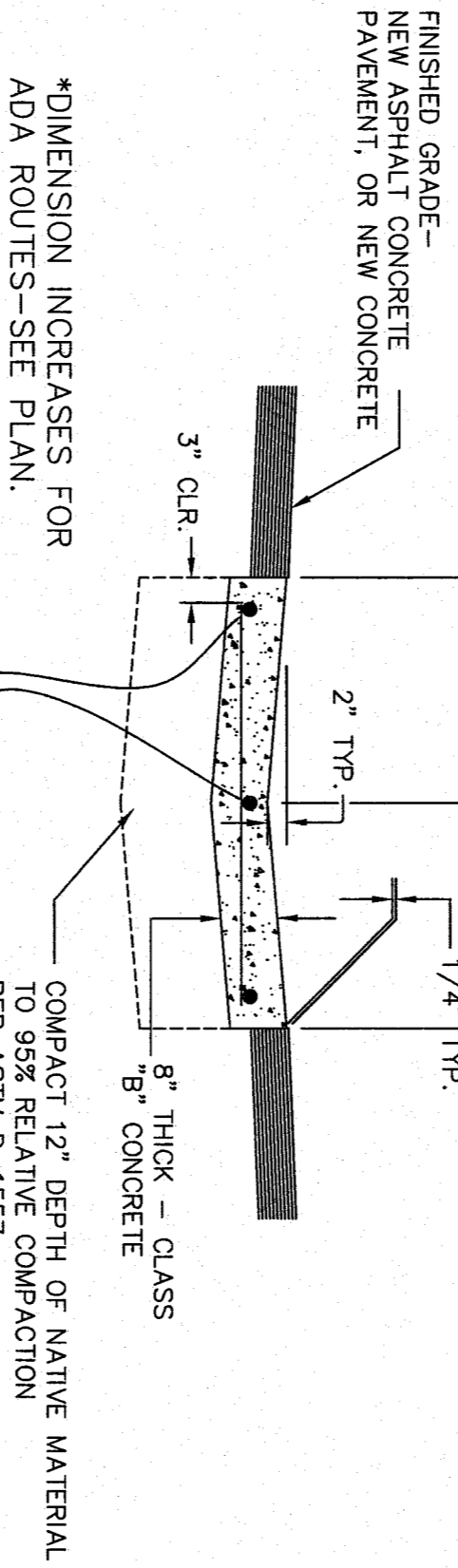
(F) TYPICAL PORTLAND CEMENT CONCRETE PAVEMENT SECTION
N.T.S.



(B) SIDEWALK SECTION
N.T.S.

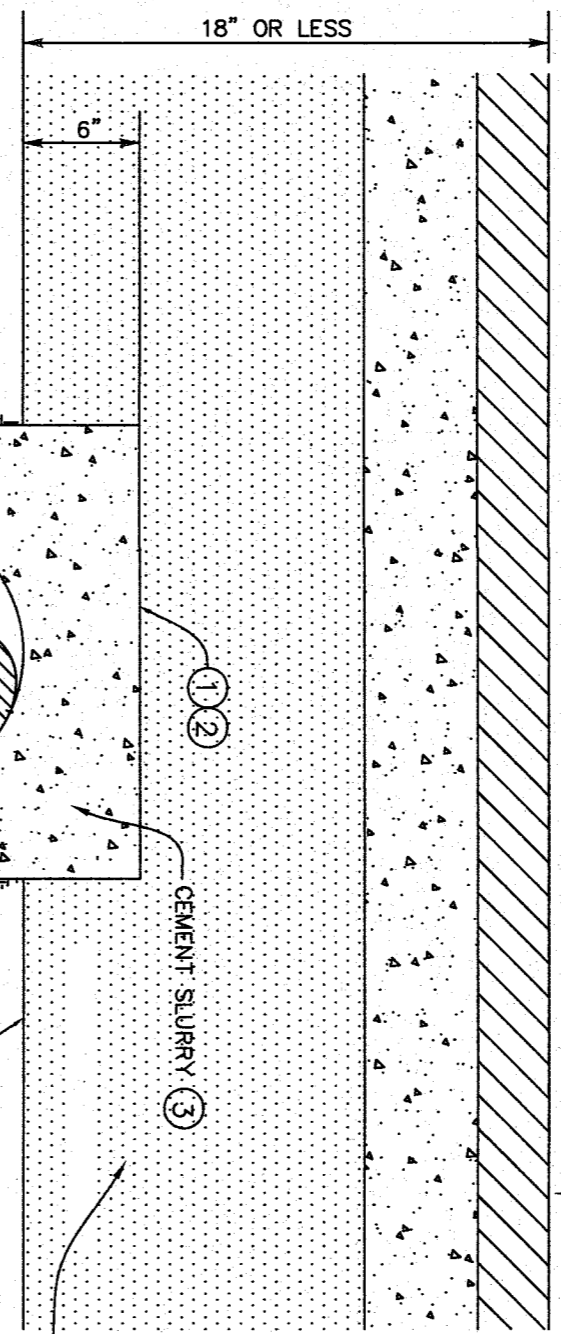


(C) REDWOOD PAVING BOARD
N.T.S.

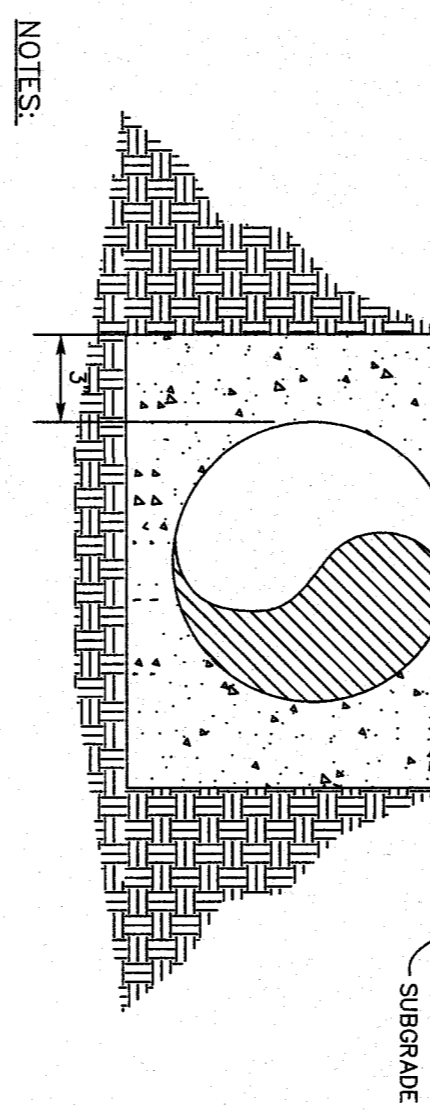
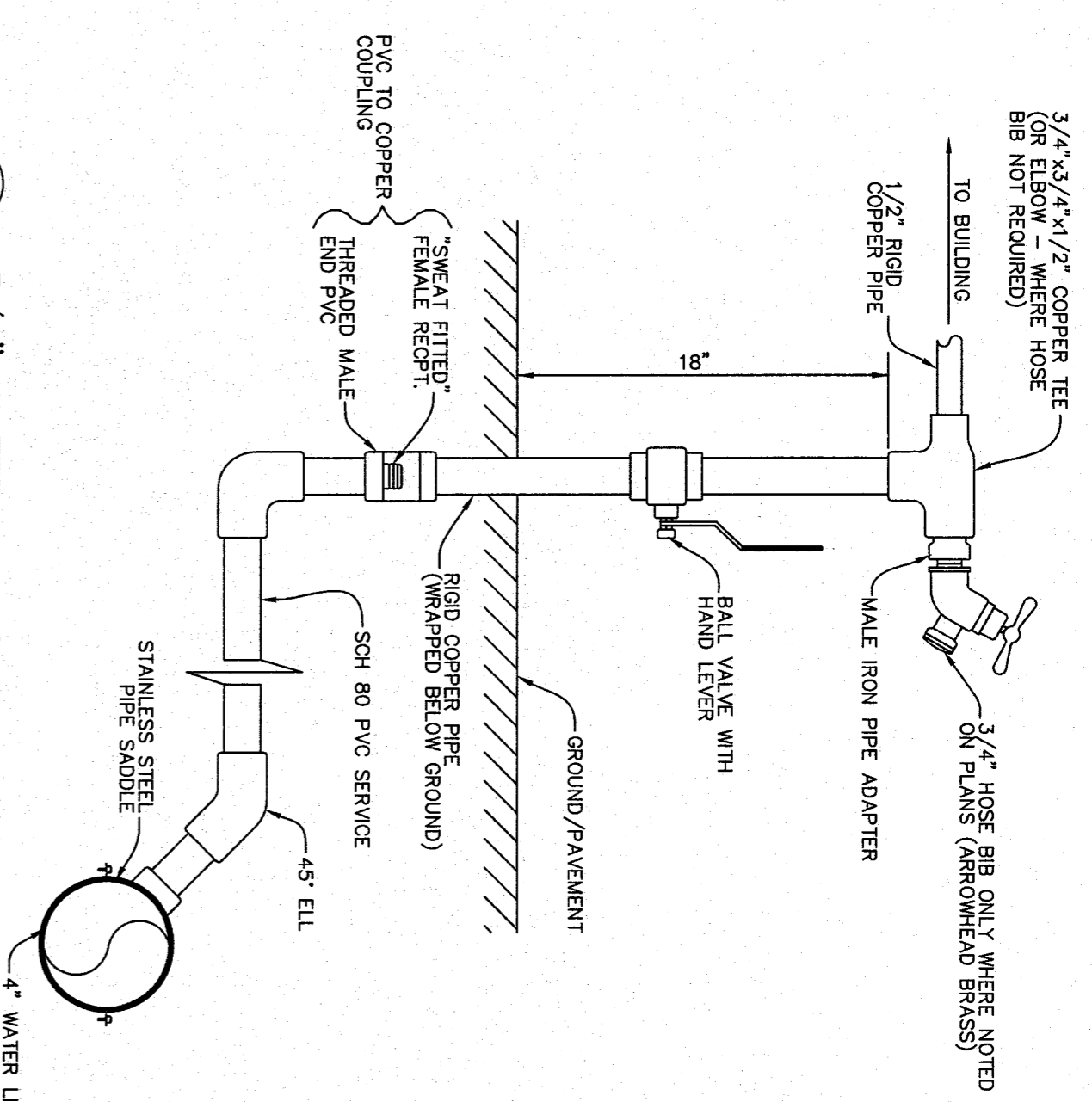


*DIMENSION INCREASES FOR ADA ROUTES—SEE PLAN.

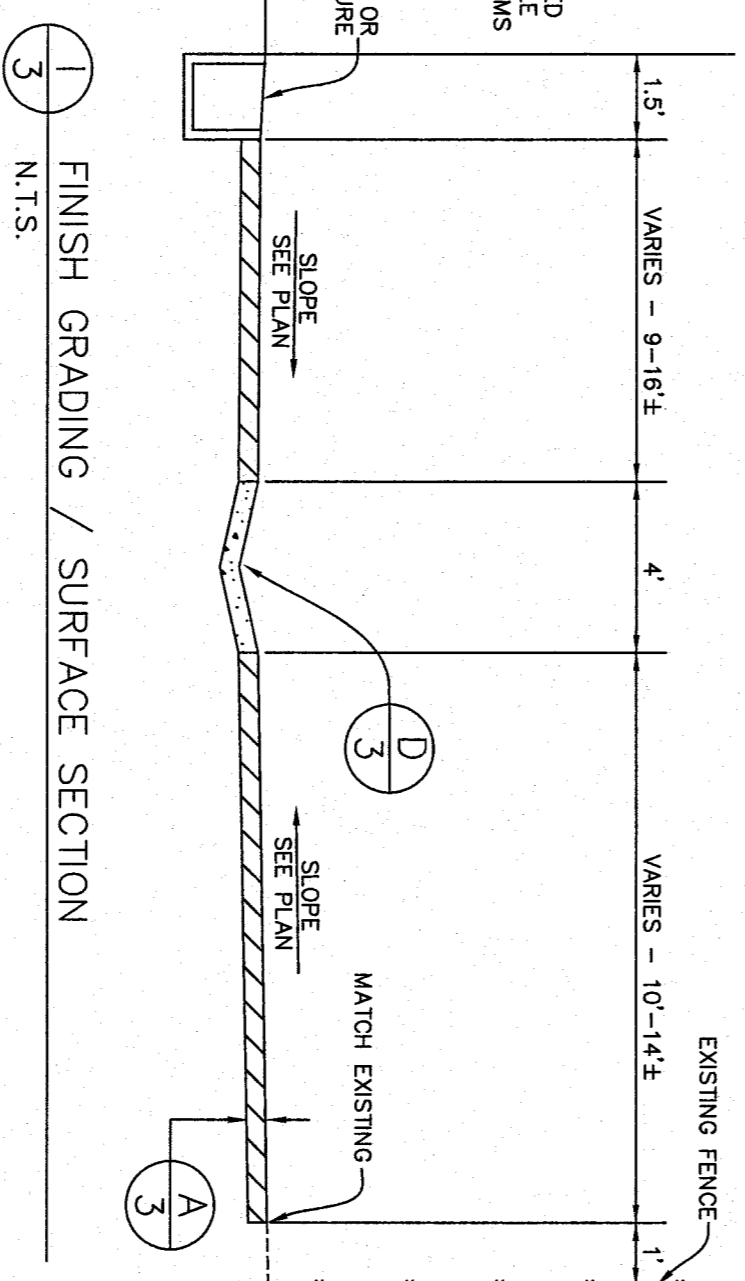
(D) 4" CONCRETE "V" GUTTER
N.T.S.



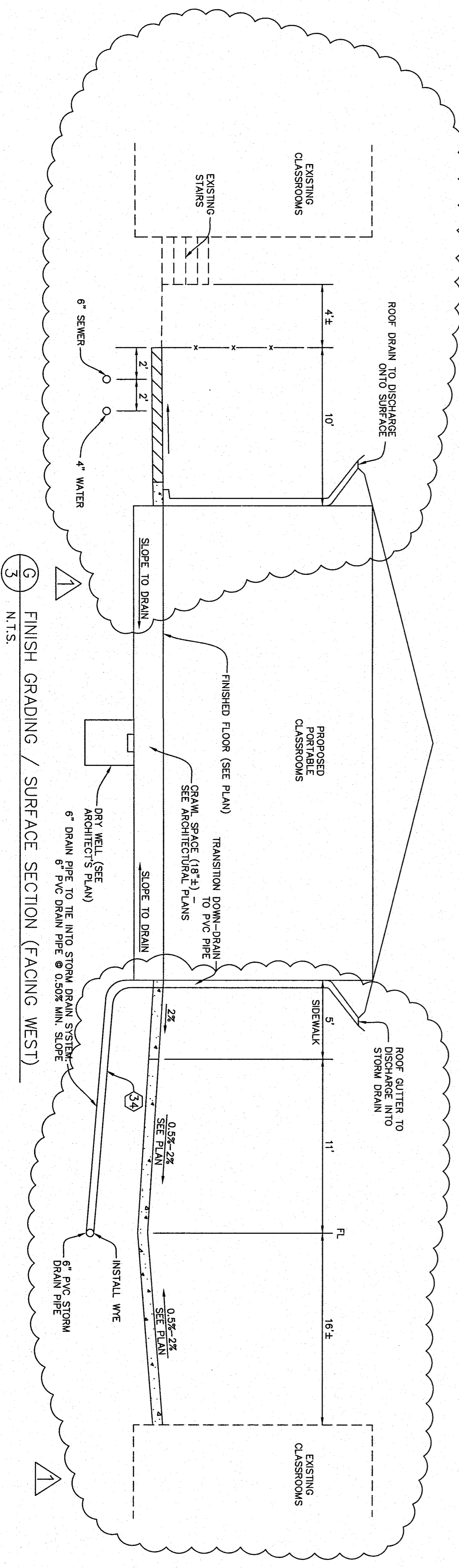
(H) 3/4" WATER SERVICE
N.T.S.



(F) TRENCH SLURRY BACKFILL (WHEN LESS THAN 18" OF COVER)
N.T.S.



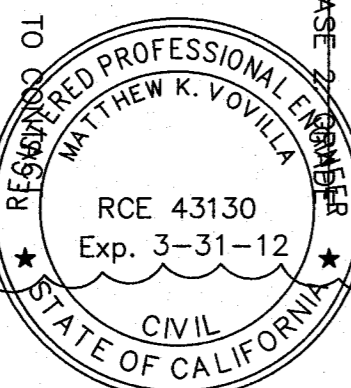
(I) FINISH GRADING / SURFACE SECTION
N.T.S.



(G) FINISH GRADING / SURFACE SECTION (FACING WEST)
N.T.S.

CONSTRUCTION NOTES—GRADING & SITE IMPROVEMENTS

- 1 PRIOR TO FINISH GRADING, THE BUILDING PAD SHALL BE OVEREXCAVATED AND RECOMPACTED TO A MINIMUM DEPTH OF 12 INCHES BELOW NATURAL GROUND OR FINISHED PAD ELEVATION, WHICHEVER IS GREATER. REEXCAVATION AND RECOMPACTATION SHALL EXTEND A MINIMUM OF 5 FEET BEYOND THE BUILDING PERIMETER.
- 2 CONTRACTOR SHALL RESEARCH ALL EXISTING UTILITIES, AND SHALL "POTHOLE" TO VERIFY LOCATION AND DEPTH. EXCEPT AS OTHERWISE NOTED ON THESE PLANS, ALL EXISTING UTILITIES SHALL BE PROTECTED IN-PLACE.
- 3 PLACE AND COMPACT ASPHALT CONCRETE PAVEMENT OVER AGGREGATE BASE OVER COMPACTED SUBGRADE IN ACCORDANCE WITH DETAIL (A).
- 4 CONSTRUCT REDWOOD HEADER BOARD PER DETAIL (B). REMOVE AND RECONSTRUCT EXISTING FENCE TO COMPLETE PROPOSED CONSTRUCTION.
- 5 CONSTRUCT 5" THICK PORTLAND CEMENT CONCRETE WALKWAY PER DETAIL (E).
- 6 INSTALL 6-INCH DIAMETER PVC STORM DRAIN PIPE AS SHOWN. IF COVER IS LESS THAN 18-INCHES, TRENCH SHALL BE BACKFILLED WITH 1-SACK CEMENT SLURRY PER DETAIL (F).
- 7 INSTALL 8-INCH DIAMETER PVC STORM DRAIN PIPE AS SHOWN. IF COVER IS LESS THAN 18-INCHES, TRENCH SHALL BE BACKFILLED WITH 1-SACK CEMENT SLURRY PER DETAIL (F).
- 8 INSTALL 24-INCH SQUARE CONCRETE CATCH BASIN - CHRISTY U23 WITH H-20 AND ADA COMPLIANT GRATE - OR APPROVED EQUAL. SEE SHEET 4 FOR DETAIL.
- 9 SAWCUT EXISTING SURFACE AND JOIN. MATCH EXISTING GRADE. REMOVE AND DISPOSE OF EXISTING MATERIAL AS NECESSARY.
- 10 CONSTRUCT 4-FOOT WIDE CONCRETE CROSS GUTTER PER DETAIL (G).
- 11 CONSTRUCT 4-FOOT WIDE CONCRETE CROSS GUTTER PER DETAIL (G).
- 12 EXCAVATE STORM WATER DETENTION AREA AS SHOWN ON PLAN AND PER DETAIL (A).
- 13 CLASSROOMS TO REMAIN IN USE DURING CONSTRUCTION. COORDINATE WITH THE DISTRICT AS TO TIMING OF REMOVAL AND REPLACEMENT OF NEW ASPHALT CONCRETE.
- 14 INSTALL ROCK WELL IN STORM WATER DETENTION AREA AS SHOWN ON PLAN, AND PER DETAIL (A).
- 15 INSTALL ROCK WELL IN CRAWL SPACE OF EACH PORTABLE. SEE ARCHITECT'S PLANS FOR DETAILS.
- 16 RE-SODDING/PLANTING AND ADJUSTMENT OF IRRIGATION SYSTEM SHALL BE PERFORMED BY B.C.S.D. (N.I.C.) CONTRACTOR SHALL GRADE DISTURBED AREAS FOR POSITIVE DRAINAGE.
- 17 SEE ARCHITECT'S PLANS.
- 18 JOIN EXISTING WATER LINE. EXISTING IMPROVEMENTS SHALL BE SAWCUT, REMOVED AND REPLACED IN KIND, AS NECESSARY TO MAKE CONNECTION.
- 19 ADJUST ALL UTILITY AND VALVE BOXES TO FINISHED GRADE AFTER INSTALLATION OF AC PAVEMENT. PAVEMENT COLLARS SHALL BE POURED AROUND ALL VALVE BOXES AND CLEAN-OUTS. SAWCUT NEW AC PAVEMENT PRIOR TO POURING COLLARS.
- 20 REMOVE EXISTING CLEANOUT AND CONNECT TO EXISTING SEWER. ONCE EXISTING SEWER IS EXPOSED, CONTACT ENGINEER TO "SHOOT" ELEVATION OF EXISTING LINE, AND MAKE ADJUSTMENT OF SEWER DESIGN GRADES.
- 21 INSTALL 6-INCH PVC SDR 35 SEWER LINE. SEWER SHALL BE INSTALLED AT A SLOPE NOT LESS THAN 0.5 PERCENT. SEE ALSO NOTE (27).
- 22 INSTALL SEWER CLEAN-OUT PER CITY OF BAKERSFIELD STANDARD SW-5. INCLUDE CONCRETE COLLAR. SAW-CUT AC PRIOR TO POURING COLLAR.
- 23 INSTALL 2-INCH DOMESTIC WATER LINE - PVC C900.
- 24 INSTALL WATER LINE GATE VALVE AND VALVE BOX PER CITY OF BAKERSFIELD WATER STANDARD W-12. INSTALL CONCRETE COLLAR PER STANDARD.
- 25 INSTALL THRUST BLOCKS AT ALL ANGLE POINTS PER CITY OF BAKERSFIELD STANDARD W-2. SEE ALSO SHEET 4 FOR DETAIL.
- 26 INSTALL BLOW-OFF WITH VALVE BOX DISTRICT STANDARDS. SEE ALSO SHEET 4 FOR DETAIL.
- 27 INSTALL 2-INCH SEWER LATERAL WITH WYE AND CLEAN-OUT. MAKE CONNECTION TO EACH PORTABLE UNIT PER MANUFACTURER'S RECOMMENDATION.
- 28 INSTALL 3/4-INCH DOMESTIC SERVICE PER DETAIL (A). MAKE CONNECTION TO PORTABLE UNIT PER MANUFACTURER'S RECOMMENDATION. EXCLUDE 3/4" HOSE BIB, EXCEPT WHERE SHOWN ON PLAN.
- 29 ANY UNDERGROUND UTILITIES WITH LESS THAN 18-INCHES OF COVER SHALL BE BACKFILLED WITH CONCRETE SLURRY PER DETAIL (F).
- 30 INSTALL SEWER MANHOLE PER CITY OF BAKERSFIELD STANDARD SW-5.
- 31 CONNECT ROOF-DRAIN TO STORM DRAIN SYSTEM USING SEWER-TYPE "WYE" FITTING. INSTALL ABOVE-GROUND CLEANOUT PER ARCHITECT'S PLANS.
- 32 CONCRETE JOINTS, EXCEPT AS OTHERWISE DIRECTED BY THE DISTRICT, INSTALL FIBER EXPANSION JOINTS AT ALL STRUCTURES INCLUDING DRAINAGE INLETS, SAWCUT JOINTS AT 10-FOOT INTERVALS IN VEE-GUTTER. SAWCUT JOINTS AT EVEN INTERVALS, NOT TO EXCEED 15- FEET EACH WAY IN SIDEWALK. JOINTS SHALL BE LAID OUT FOR ENGINEER'S APPROVAL, PRIOR TO CUTTING.
- 33 VENT STRUCTURE TO BE CONSTRUCTED WITH FOUNDATION (NOT IN THIS CONTRACT). CONTRACTOR SHALL TAKE MEASURES TO INCORPORATE VENT INTO PROPOSED SIDEWALK, CONCRETE OR ASPHALT CONCRETE PAVEMENT.
- 34 REMOVE EXISTING GATE VALVE, REPLACE WITH GATE VALVE AND VALVE BOX PER DISTRICT STANDARDS.
- 35 INSTALL TEMPORARY DRAINAGE INLET FOR PHASE 1 CONSTRUCTION. REMOVE INLET FOR PHASE 2 CONSTRUCTION. UN-PAVED AREA (PHASE 1) TO TEMPORARY INLET.
- 36 REMOVE HEADER BOARD AND JOIN.
- 37 REMOVE GAP OR PLUG (INSTALLED IN PHASE 1) AND EXTEND PIPE.
- 38 SAWCUT EXISTING CONCRETE AS NECESSARY TO CONTRACT VENT.
- 39 IF CONTRACTOR DISCOVERS THE IRRIGATION MAINLINE AND CONTROL WIRES CONTRACTOR IS TO COVER SCHOOL DISTRICT BEFORE PROCEEDING.
- 40 IRRIGATION SYSTEM IS TO BE KEPT IN OPERABLE CONDITION. IF LINES ARE CUT REPAIR BEFORE END OF DAY SO SYSTEM CAN BE RUN.
- 41 HEADS IN AREA OF EXCAVATION ARE TO BE SALVAGED AND TURNED OVER TO BCSD STAFF.
- 42 CONTRACTOR TO LOCATE AND CLEANLY CUT IRRIGATION LINES PLUS OR MINUS 5' OUTSIDE OF EXCAVATED AREA.
- 43 ALL LATERAL LINES CUT BY CONTRACTOR SHALL BE REPAIRED WITH A LINE SIZE 90-DEGREE ELBOW. A PIPE EXTENSION TO WITHIN 2" OF GRADE AND A CAP. ALL SYSTEM REPAIRS ARE TO BE PRIMED AND GULDED PER LANDSCAPE IRRIGATION INDUSTRY STANDARDS. ANY IRRIGATION REPAIR OR STUB MADE BY CONTRACTOR THAT FALLS PRIOR TO BCSD REVISING SYSTEM WILL BE CONTRACTOR'S RESPONSIBILITY TO REPAIR.
- 44 INSTALL A 6" VALVE BOX OVER THE TOP OF ALL IRRIGATION LINES CUT AND STUBBED SO BCSD STAFF CAN LOCATE STUBS. VALVE BOXES TO BE SET FLUSH TO GRADE.



DETAILS & TYPICAL SECTIONS
FREMONT ELEMENTARY
607 TEXAS STREET
BAKERSFIELD, CALIFORNIA

MATTHEW K. VOVILLA RCE 43130 EXP. 3/31/12	
REVISIONS	DATE
CHANGE ORDER ONE	6/23/2010
REVISED WATER LINE AND CONNECTION POINT.	

Pinnacle Civil Engineering, Inc.
4620 California Avenue, Bakersfield, CA 93309
Phone: (661) 869-0184 Fax: (661) 377-0076