## STRUCTURAL GENERAL NOTES

#### STRUCTURAL OBSERVATIONS

- 1. STRUCTURAL OBSERVATION IS REQUIRED FOR THE STRUCRURAL SYSTEM
  IN ACCORDANCE WITH CITY OF SAN JOSE ORDINANCES. STRUCTURAL OBSERVATION
  IS THE VISUAL OBSERVATION OF THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL
  SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETED STRUCTURE
  FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS.
  STRUCTURAL OBSERVATION DOES NOT WAIVE THE RESPONSIBILITY
  FOR THE INSPECTIONS REQUIRED OF THE BUILDING INSPECTOR
  OR THE DEPUTY INSPECTOR.
- 2. THE OWNER SHALL EMPLOY A CIVIL OR STRUCTURAL ENGINEER OR ARCHITECT TO PERFORM THE STRUCTURAL OBSERVATION. THE ENGINEER OR ARCHITECT SHALL BE REGISTERED OR LICENSED IN THE STATE OF CALIFORNIA. THE DEPARTMENT OF BUILDING & SAFETY RECOMMENDS THE USE OF THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN WHEN THEY ARE INDEPENDENT OF THE CONTACTOR.
- 3. THE STRUCTURAL OBSERVER SHALL PROVIDE EVIDENCE OF EMPLOYMENT BY THE OWNER. A LETTER FROM THE OWNER OR A COPY OF THE AGREEMENT FOR SERVICES SHALL BE SENT TO THE BUILDING INSPECTOR BEFORE THE FIRST SITE VISIT. THE STRUCTURAL OBSERVER SHALL ALSO INFORM THE OWNER OF THE REQUIREMENTS FOR A PRE-CONSTRUCTION MEETING AND SHALL PRESIDE OVER THAT MEETING.
- 4. THE OWNER OR OWNER'S REPRESENTATIVE SHALL COORDINATE AND CALL FOR A MEETING BETWEEN THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, STRUCTURAL OBSERVER, CONTRACTOR, AFFECTED SUBCONTRACTORS AND DEPUTY INSPECTORS. THE PURPOSE OF THE MEETING SHALL BE TO IDENTIFY THE MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS THAT AFFECT THE VERTICAL AND LATERAL LOAD SYSTEMS OF THE STRUCTURE AND TO REVIEW SCHEDULING OF THE REQUIRED OBSERVATIONS. A RECORD OF THE MEETING SHALL BE INCLUDED IN THE FIRST OBSERVATION REPORT AND SUBMITTED TO THE BUILDING INSPECTOR.
- 5. THE STRUCTURAL OBSERVER SHALL PERFORM SITE VISITS AT THOSE STEPS IN THE PROGRESS OF THE WORK THAT ALLOW FOR CORRECTION OF DEFICIENCIES WITHOUT SUBSTANTIAL EFFORT OR UNCOVERING OF THE WORK INVOLVED. AT A MINIMUM, THE FOLLOWING SIGNIFICANT CONSTRUCTION STAGES REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL ENGINEER.

No.					
STRUCTURAL OBSERVATION & DESIGNATION OF THE STRUCTURAL OBSERVER					
PROJECT ADDRESS: 10818 CROTHERS ROAD, SAN JOSE, CA 95127 PERMIT APPL. NO.:.					
DESCRIPTION OF WORK: PROPOSED NEW BARN					
OWNER: LARSON BARN	ARCHITECT: ECO	ARCHITECT: ECO-STRUCTION ENGINEER: THANG LE, SE			
STRUCTURAL OBSERVATION (ONLY CHECKED ITEMS ARE REQUIRED)					
FIRM OR INDIVIDUAL TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATIONS: THANG LE, S.E.					
NAME: THANG LE	PHONE: 626-731-1539				
FOUNDATION	WALL	FRAME DIAPHRAGM			
FTG., STEM WALLS, PIERS	CONCRETE	STL. MMNT. FRM.	CONCRETE		
MAT FOUNDATION	MASONRY	STL. BRACED FRM.	STEEL DECK		
CAISSON, PILES, GRD. BMS.	WOOD SHEAR	CONC. MMNT. FRM.	WOOD		
STEPPED FTG./RETAINING FND. HILLSIDE SPECIAL ANCHORS	WALL GREATER THAN 350 PLF	MAS. WALL FRM.	OTHERS		
OTHERS:	☐ RASTRA	OTHERS:			

- 6. THE STRUCTURAL OBSERVER SHALL PREPARE A REPORT ON THE DEPARTMENT FORM B&S 261 FOR EACH SIGNIFICANT STAGE OF CONSTRUCTION OBSERVED. THE ORIGINAL OF THE OBSERVATION REPORT SHALL BE SENT TO THE BUILDING INSPECTOR'S OFFICE AND SHALL BE SIGNED AND SEALED (WET STAMPED) BY THE RESPONSIBLE STRUCTURAL OBSERVER. ONE COPY OF THE OBSERVATION REPORT SHALL BE ATTACHED TO THE APPROVED PLANS. COPIES OF THE REPORT SHALL ALSO BE GIVEN TO THE OWNER, CONTRACTOR AND DEPUTY INSPECTOR.
- 7. A FINAL OBSERVATION REPORT MUST BE SUBMITTED WHICH SHOWS THAT ALL OBSERVED DEFICIENCIES WERE RESOLVED AND THE STRUCTURAL SYSTEM GENERALLY CONFORMS WITH THE APPROVED PLANS AND SPECIFICATIONS. THE DEPARTMENT OF BUILDING AND SAFETY WILL NOT ACCEPT STRUCTURAL WORK WITHOUT THIS FINAL OBSERVATION REPORT AND THE CORRECTION OF SPECIFIC DEFICIENCIES NOTED DURING NORMAL BUILDING AND DEPUTY INSPECTION.
- 8. WHEN THE OWNER ELECTS TO CHANGE THE STRUCTURAL OBSERVER OF RECORD, THE OWNER SHALL:

  a) NOTIFY THE BUILDING INSPECTOR IN WRITING BEFORE THE NEXT INSPECTION;

  b) CALL AN ADDITIONAL PRE—CONSTRUCTION MEETING AND
- ) CALL AN ADDITIONAL PRE—CONSTRUCTION MEETING AND
  :) FURNISH THE REPLACEMENT STRUCTURAL OBSERVER WITH A COPY OF ALL
  PREVIOUS OBSERVATION REPORTS.

THE REPLACEMENT STRUCTURAL OBSERVER SHALL APPROVE THE CORRECTION OF THE ORIGINAL OBSERVED DEFICIENCIES UNLESS OTHERWISE APPROVED BY PLAN CHECK SUPERVISION. THE POLICY OF THE DEPARTMENT SHALL BE TO CORRECT ANY PROPERLY NOTED DEFICIENCIES WITHOUT CONSIDERATION OF THEIR SOURCE.

9. THE ENGINEER OR ARCHITECT OF RECORD SHALL DEVELOPE ALL CHANGES RELATING TO THE STRUCTURAL SYSTEMS. THE BUILDING DEPARTMENT SHALL REVIEW AND APPROVE ALL CHANGES TO THE APPROVED PLANS AND SPECIFICATIONS.

#### B. STRUCTURAL STEEL

- f. THREADED ROUND STOCK ...... ASTM A36
  g. REINFORCING STEEL ..... SEE REINFORCING STEEL SECTION
- 2. HIGH STRENGTH BOLTS

  a. PROVIDE HIGH STRENGTH BOLTS, NUTS, AND WASHERS COMPLYING WITH ASTM A325

  UNLESS OTHERWISE NOTED. ALL HIGH STRENGTH BOLTS SHALL BE BEARING TYPE

  WITH THREADS INCLUDED IN SHEAR PLANE (A325-N), UNLESS OTHERWISE NOTED.

  PROVIDE SLIP-CRITICAL HIGH STRENGTH BOLTS (A325-SC) ONLY WHERE SPECIFICALLY INDICATED ON PLANS.
  - b. ASSEMBLE HIGH STRENGTH BOLTS IN COMPLIANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 FOR A490 BOLTS" AND THE IBC STANDARD 27-1 AND 27-7
- 3. FABRICATE AND ERECT STRUCTURAL STEEL IN COMPLIANCE WITH THE LATEST EDITION OF AISC "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- 4. WELD STRUCTURAL STEEL IN COMPLIANCE WITH ANSI / AWS D1.1 AND AISC
  - "SPECIFICATIONS," CHAPTER J.

    a. WELDERS SHALL CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY

    b. WELDING SHALL BE DONE BY ELECTRONIC ARC PROCESS USING E70XX ELECTRODES
- b. WELDING SHALL BE DONE BY ELECTRONIC ARC PROCESS USING E70XX ELECTRODES
   UNLESS OTHERWISE NOTED.
   c. WELDING MAY BE PERFORMED USING SUBMERGED ARC PROCESS WITH AUTOMATIC
- WELDING (SAW-1).

  d. PERFORM SHOP WELDING AND BY A FABRICATOR APPROVED BY GOVERNING CODE
- AUTHORITY.
  f. PROVIDE SPECIAL INSPECTION FOR ALL FIELD WELDING.
- 5. FIELD WELDING TO BE DONE IN WELDERS CERTIFIED BY THE LADBS FOR STRUCTURAL STEEL, REINFORCING STEEL AND LIGHT GAGE STEEL. CONTINUOUS INSPECTION BY A DEPUTY INSPECTOR
- 6. SHOP WELDS MUST BE PERFORMED IN THE LADBS LICENSED FABRICATOR SHOP.
- 7. LADBS LICENSED FABRICATOR IS REQUIRED FOR STRUCTURAL STEEL.
- C. METAL STUD LIGHT GAUGE STEEL (ICC-ES ESR-1538)
- 1. ALL WORK SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:

  a. AMERICAN IRON AND STEEL INSITUTE (AISI) DESIGN OF COLD FORMED STEEL STRUCTURAL MEMBERS.
- b. AMERICAN WELDING SOCIETY (AWS) D1.1 AND D1.3 SPECIFICATION FOR WELDING SHEET STEEL IN STRUCTURE.
- c. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
- 2. ALL STUD AND TRACK MATERIAL TO COMFORM TO THE FOLLOWING:
- a. 16 GAUGE AND HEAVIER:
  + 50 KSI MINIMUM YIELD, 65 KSI MINIMUM TENSILE STRENGTH
- + PAINTED STEEL ...... ASTM A570 GRADE 50 + GALVANIZED STEEL ..... ASTM A653 - GRADE 50
- b. 18 GAUGE AND LIGHTER:
- + 33 KSI MINIMUM YIELD, 45 KSI MINIMUM TENSILE STRENGTH + PAINTED STEEL...... ASTM A611 — GRADE C
- + GALVANIZED STEEL ...... ASTM A653 GRADE 33
- ALL WELDING TO BE PERFORMED BY CERTIFIED LIGHT GAUGE WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTION COMPLYING WITH AWS D1.2.
- 4. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY OR ON AN ANGLE SUCH AS BRACING TO SQUARELY FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN POSITION UNTIL PROPERLY FASTENED.
- 5. LOW VELOCITY FASTENERS (SHOTPINS) WHERE CALLED OUT ON PLAN SHALL BE RAMSET 1500 SERIES INSTALLED IN ACCORD LOCAL BUILDING CODE OR OTHER LISTED MAKE, APPROVED BY BUILDING OFFICIAL. LOW VELOCIT FASTENERS SHALL BE 0.14" DIAMETER WITH 1-1/4" MINIMUM EMBEDMENT, UNLESS OTHERWISE NOTED.
- 6. EXPANSION ANCHOR SHALL BE RAMSET/REDHEAD TRUBOLTS INSTALLED IN ACCORD WITH BUILDING DEPARMENT OR OTHER LISTED MAKE, APPROVE BY BUILDING OFFICIAL.
- 7. SCREWS SHALL BE "DART" BRAND SELF DRILLING/SELF—TAPPING STEEL SCREWS
  INSTALL ED IN ACCORD WITH BUILDING DEPARTMENT. SCEWS SHALL BE SUFFICIENT
  LENGTH TO ENSURE PENETRATION INTO STEEL STUD BY AT LEAST 2 FULL DIAMETER
  THREADS.

### STATEMENT OF SPECIAL INSPECTIONS

- 1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION DURING CONSTRUCTION. THE SPECIAL INSPECTOR(S) SHALL BE QUALIFIED TO THE SATISFACTION OF THE BUILDING OFFICIAL TO INSPECT THE KIND OF CONSTRUCTION BEING EMPLOYED IN THIS PROJECT. THE SPECIAL INSPECTOR SHALL SUBMIT REPORTS INDICATING RESULTS AND OBSERVATIONS OF TESTS AND INSPECTIONS AND STATING COMPLIANCE OR NONCOMPLIANCE WITH CONTRACT DOCUMENTS TO STRUCTURAL ENGINEER AND TO GOVERNING CODE AUTHORITY.
- TESTING LABORATORY SHALL PROVIDE SPECIAL INSPECTION, COMPLYING WITH LABC SECTION 1701 (UNLESS OTHERWISE NOTED), FOR THE FOLLOWING:
- A. EPOXY ANCHORS
- B. BOLTS INSTALLED IN CONCRETE
  C. CONCRETE STRENGTH f'c > 2,500 PSI
- D. SHEATHED SHEAR WALL WHEN SHEAR EXCEEDS 350 POUNDS PER LINEAR FOOT WHERE THE FASTENER SPACING OF THE SHEATHING IS 4 INCHES ON CENTER OR LESS.
- S. CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTIONS" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SECTION 1704.4.
- CONTINUOUS SPECIAL INSPECTOR BY A REGISTERED DEPUTY INSPECTOR IS REQUIRED FOR FIELD WELDING, POST—INSTALLED ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED TO RESIST SUSTAINED TENSION LOADS, SHOTCRETE PLACEMENT, CONCRETE STRENGTH f'c > 2,500 PSI, HIGH STRENGTH BOLTING, SPRAYED—ON FIREPROOFING, ENGINEERED MASONRY, HIGH—LIFT GROUTING, PRE—STRESSED CONCRETE, HIGH LOAD DIAPHRAGMS, SPECIAL MOMENT—RESISTING CONCRETE FRAMES, AND HELICAL PILE FOUNDATIONS.
- 5. PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM. SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED WHERE THE FASTENER SPACING OF THE SHEATHING IS 4 INCHES ON CENTER OR LESS.

#### B. FOUNDATION

PERFORM FOUNDATION WORK COMPLYING WITH REPORT AND ADDENDA.

GEOTECHNICAL REPORT AND ADDENDA HEREBY BECOME PART OF THESE
CONTRACT DOCUMENTS AND SHALL BE KEPT ON JOB SITE AT ALL TIMES.

FOUNDATION DESIGN IS BASED ON RECOMMENDATION'S OF BUTANO GEOTECHNICAL ENGINEERING, INC.
231 GREEN VALLEY ROAD, SUITE E
FREEDOM, CALIFORNIA 95019
REPORT NO. 19-150-SCL
DATED MAY 8, 2020

ALLOWABLE SOIL BEARING = 1,500 PSF
MAXIMUM SOIL BEARING = 3,000 PSF

MINIMUM FOOTING DEPTH = 24 INCHES
MINIMUM FOOTING WIDTH = 12 INCHES FOR CONTINUOUS FOOTINGS
= 24 INCHES FOR PAD FOOTINGS

- 2. FOUNDATION EXCAVATIONS ARE TO BE OBSERVED BY AND ACCEPTABLE TO A GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE PRIOR TO PLACEMENT OF FILL, REINFORCING STEEL, OR CONCRETE.
- 3. PERFORM FILLING, BACKFILLING, COMPACTION, ETC... AS INDICATED IN GEOTECHNICAL REPORT AND ONLY UNDER SUPERVISION OF A GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
- 5. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS PRIOR TO COMPLETION AND INSPECTION OF WATERPROOFING. ADEQUATELY SHORE RETAINING WALLS DURING BACKFILL OPERATION. UNLESS ADEQUATELY SHORED, DO NOT PLACE BACKFILL BEHIND BUILDING STRUCTURE RETAINING WALLS, EXCLUDING SITE RETAINING WALLS, UNTIL CONCRETE AT ELEVATED FLOOR LEVELS ADJACENT TO WALLS ARE COMPLETELY POURED AND HAVE CURED FOR AT LEAST 7 DAYS.
- 6. THE APPROVED SOILS REPORT SHALL BE A PART OF THE PLANS AND SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.
- C. REINFORCING STEEL

CONCRETE ONLY):

- 1. REINFORCING STEEL COMPLYING WITH ASTM A615, GRADE 60 DEFORMED
- BARS, EXCEPT #3 BAR CAN BE GRADE 40 OR STRONGER.
- WELDED REINFORCING STEEL COMPLYING WITH ASTM A706, GRACE 60 DEFORMED BARS.
- 3. SMOOTH WELDED WIRE FABRIC COMPLYING WITH ASTM A185. LAP FABRIC
  1-1/2 SPACES (12" MINIMUM). PROVIDE DEFORMED WIRE STIRRUPS, SIZE D4 AND
- LARGER ONLY, COMPLYING WITH ASTM 497.
   SPLICE REINFORCING STEEL WHERE INDICATED, IF SPLICE LOCATIONS ARE NOT SPECIFICALLY SHOWN OR INDICATED, VERIFY SPLICE LOCATIONS WITH ARCHITECT/
- ENGINEER PRIOR TO DEVELOPING REINFORCING STEEL SHOP DRAWINGS.

  LAP REINFORCING STEEL AT SPLICES TO THE FOLLOWING MINIMUM LENGTHS, UNLESS OTHERWISE NOTED, (APPLICABLE TO 3,000 PSI OR HIGHER, NORMAL WEIGHT

	•				
BAR SIZE	TOP BARS	OTHER BARS	BAR SIZE	TOP BARS	OTHER BARS
#3 #4	1'-9" 2'-4" 2'-11"	1'-4" 1'-10" 2'-3"	#8 #9	6'-10" 8'-8" 11'-0"	5'-3" 6'-8" 8'-6"
#5 #6 #7	3'-10" 5'-3"	2'-11" 4'-0"	#10 #11	13'-6"	10'-6"

- TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW REBAR.
- OTHER BARS ARE HORIZONTAL BARS WITH LESS THAN 12 INCHES OF CONCRETE CAST BELOW BARS AND ALL VERTICAL BARS.
- 4. MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL, INCLUDING SPLICED REINFORCING STEEL, SHALL BE 1 INCH OR 1 BAR DIAMETER, WHICHEVER IS GREATER. FOR BUNDLED BARS, MINIMUM CLEAR DISTANCES BETWEEN UNITS OF BUNDLED BARS SHALL BE SAME AS SINGLE BARS EXCEPT BAR DIAMETER IS DERIVED FROM EQUIVALENT TOTAL AREA OF BUNDLE.
- 5. MAINTAIN THE FOLLOWING MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL AND FACE OF CONCRETE UNITESS OTHERWISE NOTED:

THE THIS OF CONCRETE CHEESE CHIEFWINE HOLES.	
SLAB-ON-GRADE	C/L OF SLAB
CONCRETE BELOW GRADE, FORMED	
CONCRETE BELOW GRADE, UNFORMED	
WALLS ABOVE GRADE, EXPOSED TO WEATHER	2 INCHES
WALLS ABOVE GRADE, NOTE EXPOSED TO WEATHER	1 INCHES
COLUMNS, CLEAR TO FACE OF TIES	1-1/2 INCHES
BEAMS, CLEAR TO FACE OF TIES	1-1/2 INCHES

- 6. BEND REINFORCING STEEL COLD UNLESS OTHERWISE ACCEPTED BY ARCHITECT OR ENGINEER.
- CHAIRS OR SPACERS FOR REINFORCING SHALL BE PLASTIC OR PLASTIC COATED WHEN RESTING ON EXPOSED SURFACES.
- 8. WELD REINFORCING STEEL COMPLYING WITH AWS D1.4. DO NOT WELD REINFORCING STEEL OTHER THAN THOSE CONFORMING TO ASTM A706.
- 9. SECURELY TIE ANCHOR BOLTS, REINFORCING STEEL, INSERTS, ETC... IN PLACE PRIOR TO PLACING CONCRETE OR GROUT.
- 10. SUBMIT REINFORCING STEEL SHOP DRAWINGS INDICATING REINFORCING PLACEMENT, INCLUDING SPLICE LOCATIONS AND LENGTHS, TO ARCHITECT/ENGINEER FOR REVIEW AND ACCEPTANCE.
- D. CAST-IN-PLACE CONCRETE
- 1. NORMAL WEIGHT AGGREGATES OF NATURAL SAND AND ROCK COMPLYING WITH ASTM C33.
- 2. PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE II.
- - CONCRETE WALLS
     3,000 PSI

     SLAB-ON-GRADE
     3,000 PSI

     UNLESS OTHERWISE NOTED
     3,000 PSI
- 4. SLUMP NOT TO EXCEED 4 INCHES.
- 5. DO NOT USE CONCRETE OR GROUT CONTAINING CHLORIDES
- 6. DO NOT EMBED CONDUITS, PIPES, OR SLEEVES OTHER THAN ELECTRICAL CONDUITS
  1 INCH DIAMETER AND SMALLER IN STRUCTURAL CONCRETE EXCEPT WHERE
  SPECIFICALLY DETAILED OR ACCEPTED BY ARCHITECT OR ENGINEER.
- FORM EXPOSED CORNERS OF COLUMNS, BEAMS, WALLS, ETC... WITH 3/4 INCH CHAMFERS UNLESS OTHERWISE DETAILED.
- 8. PROVIDE KEYS IN CONSTRUCTION JOINTS UNLESS OTHERWISE DETAILED.
- 9. ROUGHED CONCRETE SURFACE TO FULL AMPLITUDE OF 1/16 INCH WHERE MASONRY WALLS INTERSECT CONCRETE.

#### A. GENERAL

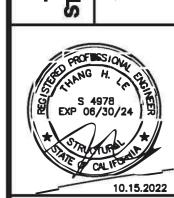
ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CALIFORNIA BUILDING CODE 2019 EDITION (CBC 2019), REFERENCED STANDARDS OF CHAPTER 35 AND ALL APPLICABLE CODES AND ORDINANCES.

### BASIS OF DESIGN:

- a. SEISMIC LOADS + IMPORTANCE FACTOR, le = 1.0
- + Ss = 2.356g+ S1 = 0.911g+ SITE 01.4800
- + SITE CLASS: C + Sds = 1.885g
- + Sd1 = 0.850g + Rho = 1.3 (REDUNDANCY FACTOR)
- + SEISMIC DESIGN CATEGORY: E + BASIC SEISMIC-FORCE-RESISTING SYSTEM: SHEATHED SHEAR BEARING WALLS + SEISMIC RESPONSE COEFFICIENT, Cs = 0.290 (STRENGTH) = 0.207 (SERVICE)
- + RESPONSE MODIFICATION FACTOR, R = 6.5 + ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE
- b. WIND LOAD
- + BASIC WIND SPEED = 110 MPH (ULTIMATE) + EXPOSURE C
- + IMPORTANCE FACTOR, Iw=1.0 + INTERNAL PRESSURE COEFFICIENT = 0.18
- + DESIGN WIND PRESSURE = 27.5 PSF + COMPONENTS AND CLADDING WIND PRESSURE = 39 PSF
- c. LIVE LOADS + ROOF = 20 PSF + FLOOR = 40 PSF
- + DECK/BALCONY = 60 PSF
  DEAD LOADS
- d. DEAD LOADS + ROOF = 18 PSF + FLOOR = 18 PSF
- 2. ASC SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING.
- 3. ACI-318 BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.
- 4. ALL ASTM SPECIFICATIONS NOTED ON THESE DRAWINGS SHALL BE OF THE LATEST REVISION.
- WRITTEN INFORMATION AND DIMENSIONS SHALL TAKE PRECEDENCE OVER GRAPHIC INFORMATION. DO NOT SCALE DRAWINGS.
- 6. ALL DIMENSIONS ARE TO TAKE PRECEDENCE OVER SCALE SHOWN ON PLANS, ELEVATIONS, SECTIONS, AND DETAILS.
- ANY DISCREPANCIES ON THE PLANS OR ANY DEVIATIONS FROM THE PLANS WHICH ARE NECESSITATED BY FIELD CONDITIONS OR ANY CONDITION DIFFERENT FROM THOSE INDICATES ON THE PLANS, SHALL BE CALLED TO THE ATTENTION OF THANG LE, S.E. PRIOR TO CONTINUING CONSTRUCTION. ALL WORK IS TO BE COORDINATED SO THAT COOPERATION BETWEEN THE TRADES WHERE REQUIRED, IS ACCOMPLISHED.
- 8. SEE ARCHITECTURAL DRAWING FOR KINDS OF FLOOR FINISH, DEPRESSION IN SLAB, OPENINGS IN WALLS AND ROOF REQUIRED BY DOOR, WINDOWS, DUCTS, VENTS, HATCHES, PLUMBING, ETC...; ALL TYPE OF FLASHING, INSERTS, ANCHORS, HANGERS, ETC... EMBEDDED OR ATTACHED TO CONCRETE STRUCTURE; PAVING, WALKS, STAIRS, RAMPS, CURBS, PARAPETS, TERRACES, ETC...; EXTERIOR GRADES; ROOF SLABS, CRICKETS AND DRAINS.
- 9. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AS TO LAYOUT DIMENSIONS AND ELEVATIONS. ALL DISCREPANCIES SHALL BE REPORTED TO THANG LE, S.E. AND THE OWNER FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH
- 10. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE THE GENERAL NOTES, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR CONDITIONS THAT ARE SHOWN OR CALLED FOR.
- 11. THE BUILDER SHALL TAKE FULL AND FINAL RESPONSIBILITY FOR
  CONSTRUCTING A FINAL PRODUCT OF APPROPRIATE QUALITY AND
  SERVICEABILITY CONSISTENT WITH THE INFORMATION AND REQUIREMENTS
  CONTAINED IN THE CONSTRUCTION DOCUMENTS OR REASONABLY INFERABLE
  THEREFROM, AND/OR CONTAINED IN THE REQUIREMENTS OF ANY
  GOVERNMENTAL ENTITY WITH JURISDICTION OVER THE PROJECT.
- 12. THE BUILDER SHALL TAKE FULL RESPONSIBILITY FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES INCLUDING WITHOUT LIMITATION DEMOLITION, EXCAVATION AND ERECTION PROCEDURES.
- 13. STRUCTURAL OBSERVATION VISITS TO SITE BY REPRESENTATIVES OF THANG LE, S.E. DO NOT INCLUDE INSPECTIONS OF CONSTRUCTION MEANS AND METHODS. OBSERVATIONS PERFORMED BY ENGINEER DURING CONSTRUCTION ARE NOT CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE PERFORMED BY OTHERS. OBSERVATIONS PERFORMED BY ENGINEER ARE PERFORMED SOLELY FOR THE PURPOSE OF DETERMINING IF THE CONTRACTOR UNDERSTAND DESIGN INTENT CONVEYED IN CONTRACT DOCUMENTS. OBSERVATIONS DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND ARE NOT TO BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.
- 14. MODIFICATIONS OR SUBSTITUTIONS: DESIGN, MATERIALS, EQUIPMENT AND PRODUCTS OTHER THAN THOSE INDICATED OR SPECIFIED MAY BE CONSIDERED FOR USE PROVIDED A WRITTEN REQUEST, SUBJECT TO REVIEW, IS SUBMITTED TO OWNER, ARCHITECT, ENGINEER AND GOVERNING CODE AUTHORITY PRIOR TO ITS USE OR INCLUSION ON ANY SHOP DRAWING.
- 15. BRACE PIPING AND DUCTS COMPLYING WITH LATEST ADDITION OF GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.
- 16. INSTALL AND ANCHOR MECHANICAL AND ELECTRICAL EQUIPMENT TO STRUCTURE COMPLYING ASCE/SEI 7-05, CHAPTER 13, AS MODIFIED BY CBC 1614.1.11 THROUGH 1614.1.16. ISOLATORS, FASTENERS AND ANY OTHER ELEMENT PROVIDING STABILITY FOR EQUIPMENT SHALL BE APPROVED BY ICC-ES OR EQUIVALENT TESTING PROCEDURE. PROVIDE SUSPENDED EQUIPMENT WITH APPROVED LATERAL OR SWAY BRACING.

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E. FOOTHILL BLVD., SUITE RCADIA, CALIFORNIA 91006 PHONE: (626) 731-1539

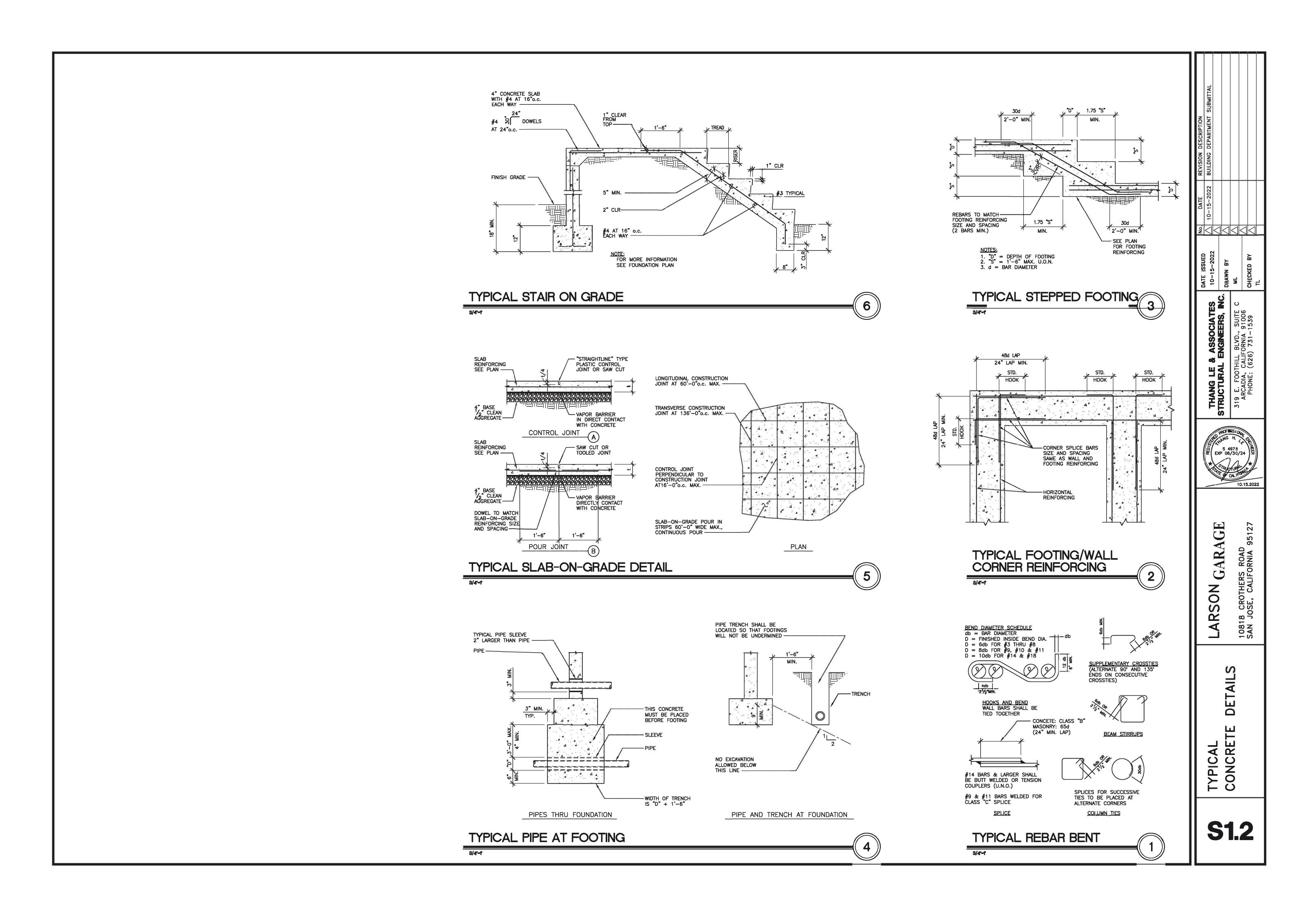


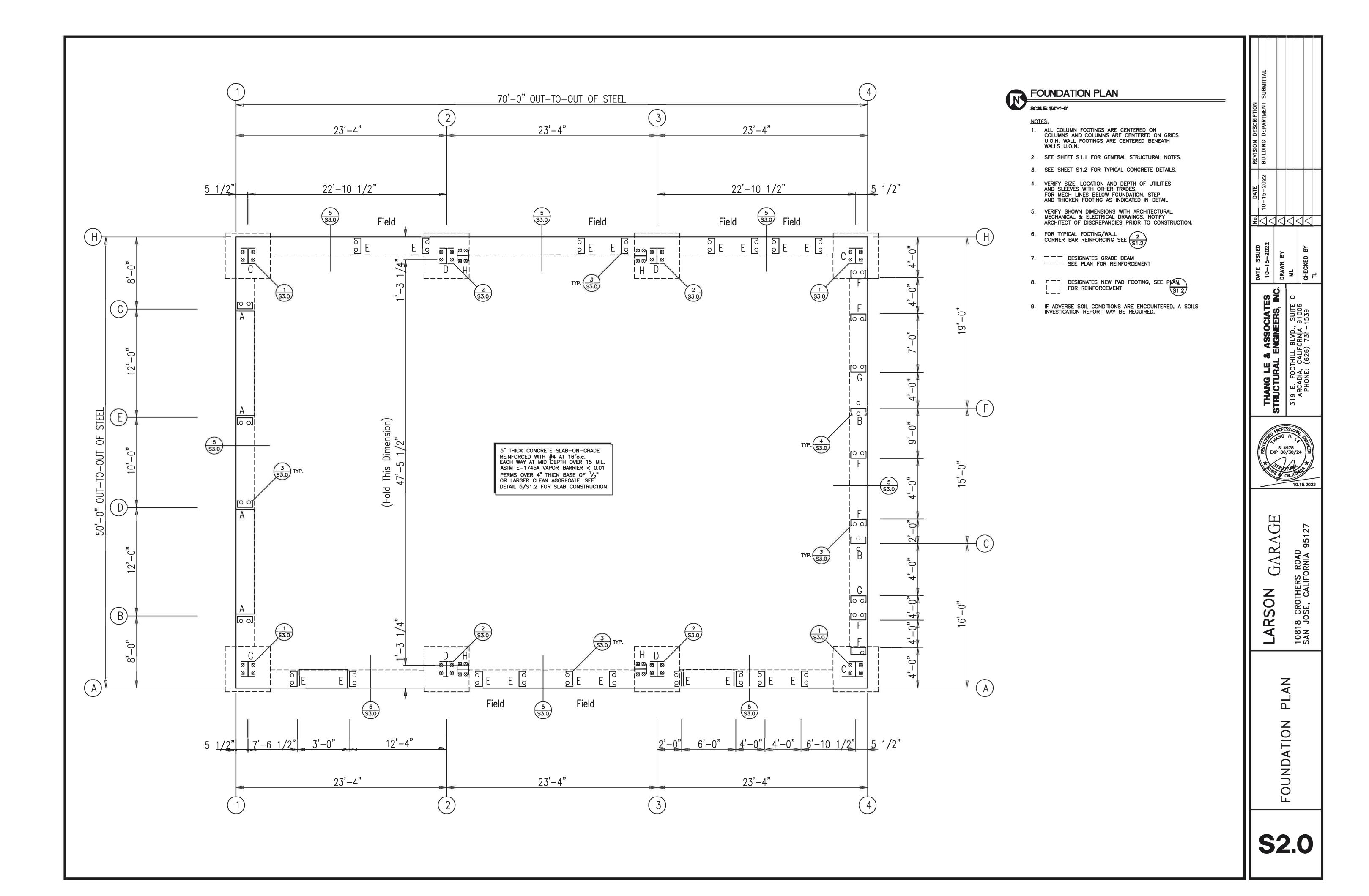
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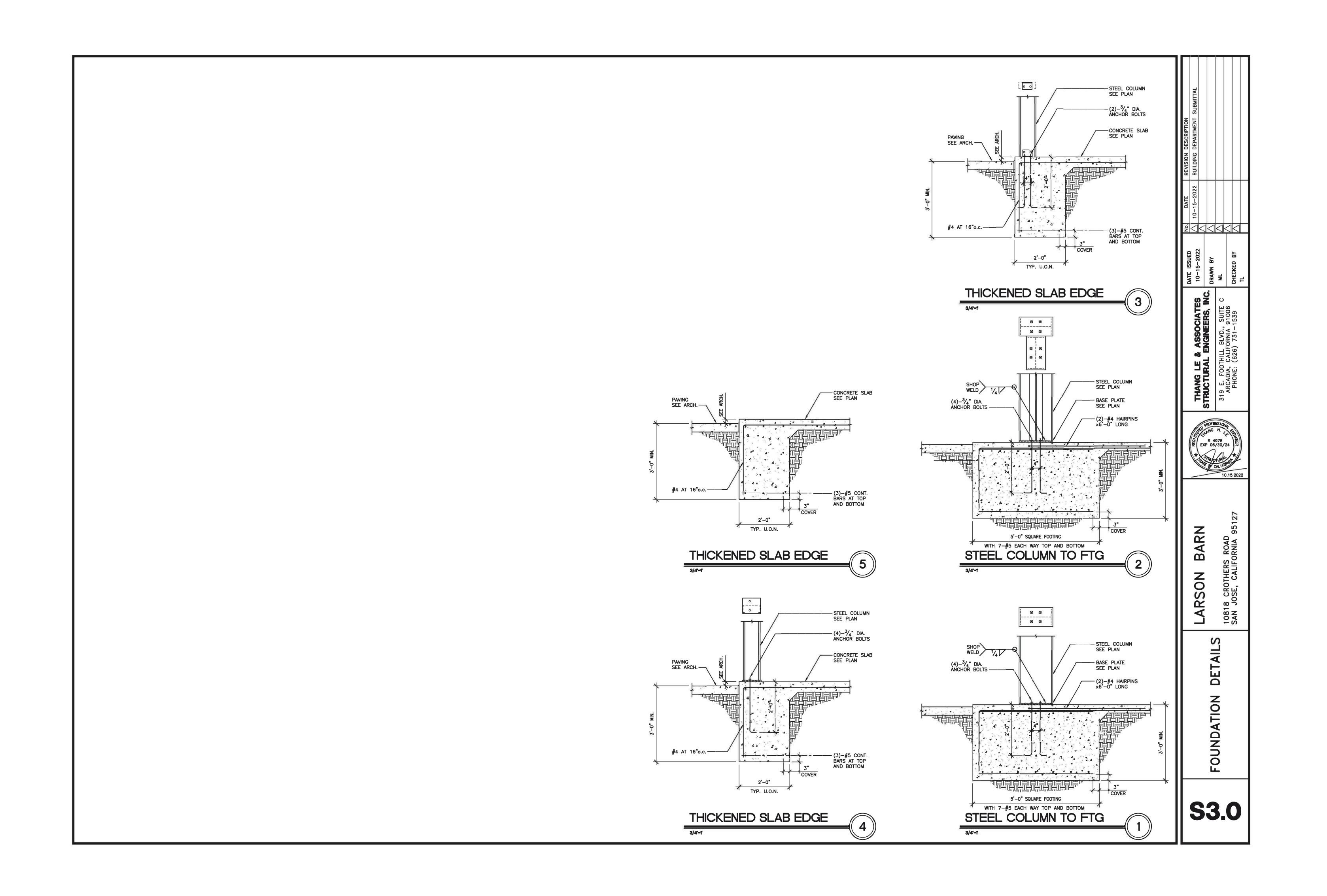
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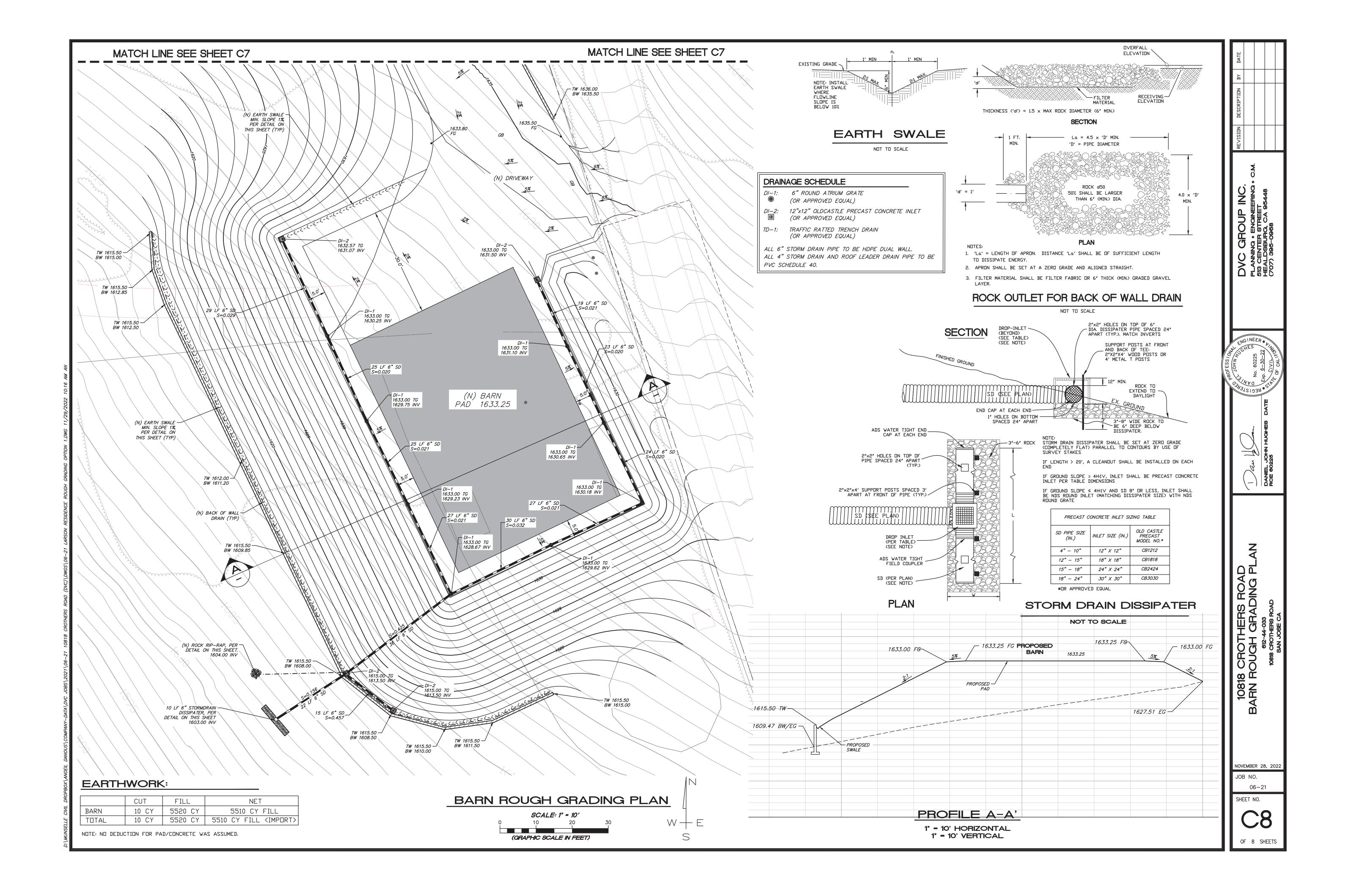
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# STRUCTURAL GENERAL NOTES

### STRUCTURAL OBSERVATIONS

- 1. STRUCTURAL OBSERVATION IS REQUIRED FOR THE STRUCRURAL SYSTEM IN ACCORDANCE WITH CITY OF SAN JOSE ORDINANCES. STRUCTURAL OBSERVATION IS THE VISUAL OBSERVATION OF THE ELEMENTS AND CONNECTIONS OF THE STRUCTURAL SYSTEM AT SIGNIFICANT CONSTRUCTION STAGES AND THE COMPLETED STRUCTURE FOR GENERAL CONFORMANCE TO THE APPROVED PLANS AND SPECIFICATIONS. STRUCTURAL OBSERVATION DOES NOT WAIVE THE RESPONSIBILITY FOR THE INSPECTIONS REQUIRED OF THE BUILDING INSPECTOR OR THE DEPUTY INSPECTOR.
- 2. THE OWNER SHALL EMPLOY A CIVIL OR STRUCTURAL ENGINEER OR ARCHITECT TO PERFORM THE STRUCTURAL OBSERVATION. THE ENGINEER OR ARCHITECT SHALL BE REGISTERED OR LICENSED IN THE STATE OF CALIFORNIA. THE DEPARTMENT OF BUILDING & SAFETY RECOMMENDS THE USE OF THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN WHEN THEY ARE INDEPENDENT OF THE CONTACTOR.
- 3. THE STRUCTURAL OBSERVER SHALL PROVIDE EVIDENCE OF EMPLOYMENT BY THE OWNER. A LETTER FROM THE OWNER OR A COPY OF THE AGREEMENT FOR SERVICES SHALL BE SENT TO THE BUILDING INSPECTOR BEFORE THE FIRST SITE VISIT. THE STRUCTURAL OBSERVER SHALL ALSO INFORM THE OWNER OF THE REQUIREMENTS FOR A PRE—CONSTRUCTION MEETING AND SHALL PRESIDE OVER THAT MEETING.
- 4. THE OWNER OR OWNER'S REPRESENTATIVE SHALL COORDINATE AND CALL FOR A MEETING BETWEEN THE ENGINEER OR ARCHITECT RESPONSIBLE FOR THE STRUCTURAL DESIGN, STRUCTURAL OBSERVER, CONTRACTOR, AFFECTED SUBCONTRACTORS AND DEPUTY INSPECTORS. THE PURPOSE OF THE MEETING SHALL BE TO IDENTIFY THE MAJOR STRUCTURAL ELEMENTS AND CONNECTIONS THAT AFFECT THE VERTICAL AND LATERAL LOAD SYSTEMS OF THE STRUCTURE AND TO REVIEW SCHEDULING OF THE REQUIRED OBSERVATIONS. A RECORD OF THE MEETING SHALL BE INCLUDED IN THE FIRST OBSERVATION REPORT AND SUBMITTED TO THE BUILDING INSPECTOR.
- 5. THE STRUCTURAL OBSERVER SHALL PERFORM SITE VISITS AT THOSE STEPS IN THE PROGRESS OF THE WORK THAT ALLOW FOR CORRECTION OF DEFICIENCIES WITHOUT SUBSTANTIAL EFFORT OR UNCOVERING OF THE WORK INVOLVED. AT A MINIMUM, THE FOLLOWING SIGNIFICANT CONSTRUCTION STAGES REQUIRE A SITE VISIT AND AN OBSERVATION REPORT FROM THE STRUCTURAL ENGINEER.

STRUCTURAL OBSERVATION & DESIGNATION OF THE STRUCTURAL OBSERVER				
PROJECT ADDRESS: 10818 CROTHERS ROAD, SAN JOSE, CA 95127 PERMIT APPL. NO.:				
DESCRIPTION OF WORK: PROPOSED NEW BARN				
OWNER: LARSON BARN	ARCHITECT: ECC	D-STRUCTION ENGINEER: THANG LE, SE		
STRUCTURAL OBSERVATION (ONLY CHECKED ITEMS ARE REQUIRED)				
FIRM OR INDIVIDUAL TO BE RESPONSIBLE FOR THE STRUCTURAL OBSERVATIONS: THANG LE, S.E.				
NAME: <u>THANG LE</u> F	: THANG LE PHONE: 626-731-1539 CALIF. REGISTRATION: S4978			
FOUNDATION	WALL	FRAME	DIAPHRAGM	
FTG., STEM WALLS, PIERS	CONCRETE	STL. MMNT. FRM.	CONCRETE	
MAT FOUNDATION	MASONRY	STL. BRACED FRM.	STEEL DECK	
CAISSON, PILES, GRD. BMS.	WOOD SHEAR	CONC. MMNT. FRM.	WOOD	
STEPPED FTG./RETAINING FND. HILLSIDE SPECIAL ANCHORS	WALL GREATER THAN 350 PLF	MAS. WALL FRM.	OTHERS	
OTHERS:	RASTRA	OTHERS:		

- 6. THE STRUCTURAL OBSERVER SHALL PREPARE A REPORT ON THE DEPARTMENT FORM B&S 261 FOR EACH SIGNIFICANT STAGE OF CONSTRUCTION OBSERVED. THE ORIGINAL OF THE OBSERVATION REPORT SHALL BE SENT TO THE BUILDING INSPECTOR'S OFFICE AND SHALL BE SIGNED AND SEALED (WET STAMPED) BY THE RESPONSIBLE STRUCTURAL OBSERVER. ONE COPY OF THE OBSERVATION REPORT SHALL BE ATTACHED TO THE APPROVED PLANS. COPIES OF THE REPORT SHALL ALSO BE GIVEN TO THE OWNER, CONTRACTOR AND DEPUTY INSPECTOR.
- 7. A FINAL OBSERVATION REPORT MUST BE SUBMITTED WHICH SHOWS THAT ALL OBSERVED DEFICIENCIES WERE RESOLVED AND THE STRUCTURAL SYSTEM GENERALLY CONFORMS WITH THE APPROVED PLANS AND SPECIFICATIONS. THE DEPARTMENT OF BUILDING AND SAFETY WILL NOT ACCEPT STRUCTURAL WORK WITHOUT THIS FINAL OBSERVATION REPORT AND THE CORRECTION OF SPECIFIC DEFICIENCIES NOTED DURING NORMAL BUILDING AND DEPUTY INSPECTION.
- B. WHEN THE OWNER ELECTS TO CHANGE THE STRUCTURAL OBSERVER OF RECORD, THE OWNER SHALL:
- NOTIFY THE BUILDING INSPECTOR IN WRITING BEFORE THE NEXT INSPECTION;

  CALL AN ADDITIONAL PRE—CONSTRUCTION MEETING AND

  FURNISH THE REPLACEMENT STRUCTURAL OBSERVER WITH A COPY OF ALL PREVIOUS OBSERVATION REPORTS.

THE REPLACEMENT STRUCTURAL OBSERVER SHALL APPROVE THE CORRECTION OF THE ORIGINAL OBSERVED DEFICIENCIES UNLESS OTHERWISE APPROVED BY PLAN CHECK SUPERVISION. THE POLICY OF THE DEPARTMENT SHALL BE TO CORRECT ANY PROPERLY NOTED DEFICIENCIES WITHOUT CONSIDERATION OF THEIR SOURCE.

9. THE ENGINEER OR ARCHITECT OF RECORD SHALL DEVELOPE ALL CHANGES RELATING TO THE STRUCTURAL SYSTEMS. THE BUILDING DEPARTMENT SHALL REVIEW AND APPROVE ALL CHANGES TO THE APPROVED PLANS AND SPECIFICATIONS.

- B. STRUCTURAL STEEL
- f. THREADED ROUND STOCK ...... ASTM A36
  g. REINFORCING STEEL ...... SEE REINFORCING STEEL SECTION
- g. REINFORCING STEEL ...... SEE REINFORCING STEE

  2. HIGH STRENGTH BOLTS
- a. PROVIDE HIGH STRENGTH BOLTS, NUTS, AND WASHERS COMPLYING WITH ASTM A325 UNLESS OTHERWISE NOTED. ALL HIGH STRENGTH BOLTS SHALL BE BEARING TYPE WITH THREADS INCLUDED IN SHEAR PLANE (A325-N), UNLESS OTHERWISE NOTED. PROVIDE SLIP-CRITICAL HIGH STRENGTH BOLTS (A325-SC) ONLY WHERE SPECIFICALLY INDICATED ON PLANS.
- b. ASSEMBLE HIGH STRENGTH BOLTS IN COMPLIANCE WITH "SPECIFICATION FOR STRUCTURAL JOINTS USING ASTM A325 FOR A490 BOLTS" AND THE IBC STANDARD 27-1 AND 27-7.
- 3. FABRICATE AND ERECT STRUCTURAL STEEL IN COMPLIANCE WITH THE LATEST EDITION OF AISC "LOAD AND RESISTANCE FACTOR DESIGN SPECIFICATION FOR STRUCTURAL STEEL BUILDINGS".
- 4. WELD STRUCTURAL STEEL IN COMPLIANCE WITH ANSI / AWS D1.1 AND AISC
- "SPECIFICATIONS," CHAPTER J.

  a. WELDERS SHALL CERTIFIED AS REQUIRED BY GOVERNING CODE AUTHORITY

  b. WELDING SHALL BE DONE BY ELECTRONIC ARC PROCESS USING E70XX ELECTRODES
- UNLESS OTHERWISE NOTED.
  c. WELDING MAY BE PERFORMED USING SUBMERGED ARC PROCESS WITH AUTOMATIC
- WELDING (SAW-1).
  d. PERFORM SHOP WELDING AND BY A FABRICATOR APPROVED BY GOVERNING CODE
- AUTHORITY.

  f. PROVIDE SPECIAL INSPECTION FOR ALL FIELD WELDING.
- 5. FIELD WELDING TO BE DONE IN WELDERS CERTIFIED BY THE LADBS FOR STRUCTURAL STEEL, REINFORCING STEEL AND LIGHT GAGE STEEL. CONTINUOUS INSPECTION BY A DEPUTY INSPECTOR IS REQQUIRED.
- 6. SHOP WELDS MUST BE PERFORMED IN THE LADBS LICENSED FABRICATOR SHOP.
- 7. LADBS LICENSED FABRICATOR IS REQUIRED FOR STRUCTURAL STEEL.
- C. METAL STUD LIGHT GAUGE STEEL (ICC-ES ESR-1538)
- 1. ALL WORK SHALL MEET THE REQUIREMENTS OF THE FOLLOWING STANDARDS:
- a. AMERICAN IRON AND STEEL INSITUTE (AISI) DESIGN OF COLD FORMED STEEL
- STRUCTURAL MEMBERS.
  b. AMERICAN WELDING SOCIETY (AWS) D1.1 AND D1.3 SPECIFICATION FOR WELDING
- SHEET STEEL IN STRUCTURE.
  c. AMERICAN SOCIETY FOR TESTING AND MATERIALS (ASTM)
- 2. ALL STUD AND TRACK MATERIAL TO COMFORM TO THE FOLLOWING:
  - a. 16 GAUGE AND HEAVIER: + 50 KSI MINIMUM YIELD, 65 KSI MINIMUM TENSILE STRENGTH
  - + PAINTED STEEL ...... ASTM A570 GRADE 50 + GALVANIZED STEEL ..... ASTM A653 - GRADE 50
  - b. 18 GAUGE AND LIGHTER: + 33 KSI MINIMUM YIELD, 45 KSI MINIMUM TENSILE STRENGTH
  - + 33 KSI MINIMUM YIELD, 45 KSI MINIMUM TENSILE STRENGTH + PAINTED STEEL...... ASTM A611 - GRADE C + GALVANIZED STEEL ...... ASTM A653 - GRADE 33
- 3. ALL WELDING TO BE PERFORMED BY CERTIFIED LIGHT GAUGE WELDERS CERTIFIED FOR ALL APPROPRIATE DIRECTION COMPLYING WITH AWS D1.2.
- 4. ALL FRAMING COMPONENTS SHALL BE CUT SQUARELY OR ON AN ANGLE SUCH AS BRACING TO SQUARELY FIT AGAINST ABUTTING MEMBERS. MEMBERS SHALL BE HELD FIRMLY IN POSITION UNTIL PROPERLY FASTENED.
- 5. LOW VELOCITY FASTENERS (SHOTPINS) WHERE CALLED OUT ON PLAN SHALL BE RAMSET 1500 SERIES INSTALLED IN ACCORD LOCAL BUILDING CODE OR OTHER LISTED MAKE, APPROVED BY BUILDING OFFICIAL. LOW VELOCIT FASTENERS SHALL BE 0.14" DIAMETER WITH 1-1/4" MINIMUM EMBEDMENT. UNLESS OTHERWISE NOTED.
- 6. EXPANSION ANCHOR SHALL BE RAMSET/REDHEAD TRUBOLTS INSTALLED IN ACCORD WITH BUILDING DEPARMENT OR OTHER LISTED MAKE, APPROVE BY BUILDING OFFICIAL.
- 7. SCREWS SHALL BE "DART" BRAND SELF DRILLING/SELF—TAPPING STEEL SCREWS INSTALL ED IN ACCORD WITH BUILDING DEPARTMENT. SCEWS SHALL BE SUFFICIENT LENGTH TO ENSURE PENETRATION INTO STEEL STUD BY AT LEAST 2 FULL DIAMETER THREADS.

# STATEMENT OF SPECIAL INSPECTIONS

- 1. THE OWNER SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTION DURING CONSTRUCTION. THE SPECIAL INSPECTOR(S) SHALL BE QUALIFIED TO THE SATISFACTION OF THE BUILDING OFFICIAL TO INSPECT THE KIND OF CONSTRUCTION BEING EMPLOYED IN THIS PROJECT. THE SPECIAL INSPECTOR SHALL SUBMIT REPORTS INDICATING RESULTS AND OBSERVATIONS OF TESTS AND INSPECTIONS AND STATING COMPLIANCE OR NONCOMPLIANCE WITH CONTRACT DOCUMENTS TO STRUCTURAL ENGINEER AND TO GOVERNING CODE AUTHORITY.
- 2. TESTING LABORATORY SHALL PROVIDE SPECIAL INSPECTION, COMPLYING WITH LABC SECTION 1701 (UNLESS OTHERWISE NOTED), FOR THE FOLLOWING:
- A. EPOXY ANCHORS
- B. BOLTS INSTALLED IN CONCRETE
- . CONCRETE STRENGTH f'c > 2,500 PSI
- . SHEATHED SHEAR WALL WHEN SHEAR EXCEEDS 350 POUNDS PER LINEAR FOOT WHERE THE FASTENER SPACING OF THE SHEATHING IS 4 INCHES ON CENTER OR LESS.
- 3. CONTRACTORS RESPONSIBLE FOR THE CONSTRUCTION OF A WIND OR SEISMIC FORCE RESISTING SYSTEM/COMPONENT LISTED IN THE "STATEMENT OF SPECIAL INSPECTIONS" SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE LADBS INSPECTORS AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK ON SUCH SYSTEM OR COMPONENT PER SECTION 1704.4.
- 4. CONTINUOUS SPECIAL INSPECTOR BY A REGISTERED DEPUTY INSPECTOR IS REQUIRED FOR FIELD WELDING, POST—INSTALLED ADHESIVE ANCHORS INSTALLED HORIZONTALLY OR UPWARDLY INCLINED TO RESIST SUSTAINED TENSION LOADS, SHOTCRETE PLACEMENT, CONCRETE STRENGTH f'c > 2,500 PSI, HIGH STRENGTH BOLTING, SPRAYED—ON FIREPROOFING, ENGINEERED MASONRY, HIGH—LIFT GROUTING, PRE—STRESSED CONCRETE, HIGH LOAD DIAPHRAGMS, SPECIAL MOMENT—RESISTING CONCRETE FRAMES, AND HELICAL PILE FOUNDATIONS.
- . PERIODIC SPECIAL INSPECTION IS REQUIRED FOR WOOD SHEAR WALLS, SHEAR PANELS, AND DIAPHRAGMS, INCLUDING NAILING, BOLTING, ANCHORING, AND OTHER FASTENING TO COMPONENTS OF THE SEISMIC FORCE RESISTING SYSTEM. SPECIAL INSPECTION BY A DEPUTY INSPECTOR IS REQUIRED WHERE THE FASTENER SPACING OF THE SHEATHING IS 4 INCHES ON CENTER OR LESS.

### B. FOUNDATION

1. PERFORM FOUNDATION WORK COMPLYING WITH REPORT AND ADDENDA.
GEOTECHNICAL REPORT AND ADDENDA HEREBY BECOME PART OF THESE
CONTRACT DOCUMENTS AND SHALL BE KEPT ON JOB SITE AT ALL TIMES.

FOUNDATION DESIGN IS BASED ON RECOMMENDATIONS OF BUTANO GEOTECHNICAL ENGINEERING, INC. 231 GREEN VALLEY ROAD, SUITE E FREEDOM, CALIFORNIA 95019 REPORT NO. 19-150-SCL DATED MAY 8, 2020

ALLOWABLE SOIL BEARING = 1,500 PSF
MAXIMUM SOIL BEARING = 3,000 PSF

MINIMUM FOOTING DEPTH = 24 INCHES

MINIMUM FOOTING WIDTH = 12 INCHES FOR CONTINUOUS FOOTINGS

= 24 INCHES FOR PAD FOOTINGS

- 2. FOUNDATION EXCAVATIONS ARE TO BE OBSERVED BY AND ACCEPTABLE
  TO A GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE PRIOR TO PLACEMENT
  OF FILL, REINFORCING STEEL, OR CONCRETE.
- 3. PERFORM FILLING, BACKFILLING, COMPACTION, ETC... AS INDICATED IN GEOTECHNICAL REPORT AND ONLY UNDER SUPERVISION OF A GEOTECHNICAL ENGINEER OR HIS REPRESENTATIVE.
- 5. DO NOT PLACE BACKFILL BEHIND RETAINING WALLS PRIOR TO COMPLETION AND INSPECTION OF WATERPROOFING. ADEQUATELY SHORE RETAINING WALLS DURING BACKFILL OPERATION. UNLESS ADEQUATELY SHORED, DO NOT PLACE BACKFILL BEHIND BUILDING STRUCTURE RETAINING WALLS, EXCLUDING SITE RETAINING WALLS, UNTIL CONCRETE AT ELEVATED FLOOR LEVELS ADJACENT TO WALLS ARE COMPLETELY POURED AND HAVE CURED FOR AT LEAST 7 DAYS.
- 6. THE APPROVED SOILS REPORT SHALL BE A PART OF THE PLANS AND SHALL BE KEPT AT THE JOB SITE AT ALL TIMES.
- C. REINFORCING STEEL
- 1. REINFORCING STEEL COMPLYING WITH ASTM A615, GRADE 60 DEFORMED BARS, EXCEPT #3 BAR CAN BE GRADE 40 OR STRONGER.
- 2. WELDED REINFORCING STEEL COMPLYING WITH ASTM A706, GRACE 60 DEFORMED BARS.
- SMOOTH WELDED WIRE FABRIC COMPLYING WITH ASTM A185. LAP FABRIC
   1-1/2 SPACES (12" MINIMUM). PROVIDE DEFORMED WIRE STIRRUPS, SIZE D4 AND LARGER ONLY. COMPLYING WITH ASTM 497.

ENGINEER PRIOR TO DEVELOPING REINFORCING STEEL SHOP DRAWINGS.

- 2. SPLICE REINFORCING STEEL WHERE INDICATED. IF SPLICE LOCATIONS ARE NOT SPECIFICALLY SHOWN OR INDICATED, VERIFY SPLICE LOCATIONS WITH ARCHITECT/
- 3. LAP REINFORCING STEEL AT SPLICES TO THE FOLLOWING MINIMUM LENGTHS, UNLESS OTHERWISE NOTED, (APPLICABLE TO 3,000 PSI OR HIGHER, NORMAL WEIGHT CONCRETE ONLY):

TOP	OTHER	BAR	TOP	OTHER
BARS	BARS	SIZE	BARS	BARS
1'-9"	1'-4"	#8	6'-10"	5'-3"
2'-4"	1'-10"	<del>"</del> 9	8'-8"	6'-8"
2'-11"	2'-3"	#10	11'-0"	8'-6"
3'-10"	2'-11"	#11	13'-6"	10'-6"
5'-3 <b>"</b>	4'-0"	"		
	BARS 1'-9" 2'-4" 2'-11" 3'-10"	BARS BARS 1'-9" 1'-4" 2'-4" 1'-10" 2'-11" 2'-3" 3'-10" 2'-11"	BARS BARS SIZE 1'-9" 1'-4" #8 2'-4" 1'-10" #9 2'-11" 2'-3" #10 3'-10" 2'-11" #11	BARS BARS SIZE BARS 1'-9" 1'-4" #8 6'-10" 2'-4" 1'-10" #9 8'-8" 2'-11" 2'-3" #10 11'-0" 3'-10" 2'-11" #11 13'-6"

TOP BARS ARE HORIZONTAL BARS WITH MORE THAN 12 INCHES OF CONCRETE CAST BELOW REBAR.

OTHER BARS ARE HORIZONTAL BARS WITH LESS THAN 12 INCHES OF CONCRETE CAST BELOW BARS AND ALL VERTICAL BARS.

- 4. MINIMUM CLEAR DISTANCES BETWEEN REINFORCING STEEL, INCLUDING SPLICED REINFORCING STEEL, SHALL BE 1 INCH OR 1 BAR DIAMETER, WHICHEVER IS GREATER. FOR BUNDLED BARS, MINIMUM CLEAR DISTANCES BETWEEN UNITS OF BUNDLED BARS SHALL BE SAME AS SINGLE BARS EXCEPT BAR DIAMETER IS DERIVED FROM EQUIVALENT TOTAL AREA OF BUNDLE.

a. SLAB-ON-GRADE	C/L OF SLAB
b. CONCRETE BELOW GRADE, FORMED	2 INCHES
c. CONCRETE BELOW GRADE, UNFORMED	3 INCHES
d. WALLS ABOVE GRADE, EXPOSED TO WEATHER	2 INCHES
e. WALLS ABOVE GRADE, NOTE EXPOSED TO WEATHER	1 INCHES
f. COLUMNS, CLEAR TO FACE OF TIES	1-1/2 INCHES
g. BEAMS, CLEAR TO FACE OF TIES	1-1/2 INCHES

- 6. BEND REINFORCING STEEL COLD UNLESS OTHERWISE ACCEPTED BY ARCHITECT OR ENGINEER.
- 7. CHAIRS OR SPACERS FOR REINFORCING SHALL BE PLASTIC OR PLASTIC COATED WHEN RESTING ON EXPOSED SURFACES.
- 8. WELD REINFORCING STEEL COMPLYING WITH AWS D1.4. DO NOT WELD REINFORCING STEEL OTHER THAN THOSE CONFORMING TO ASTM A706.
- 9. SECURELY TIE ANCHOR BOLTS, REINFORCING STEEL, INSERTS, ETC... IN PLACE PRIOR TO PLACING CONCRETE OR GROUT.
- 10. SUBMIT REINFORCING STEEL SHOP DRAWINGS INDICATING REINFORCING PLACEMENT, INCLUDING SPLICE LOCATIONS AND LENGTHS, TO ARCHITECT/ENGINEER FOR REVIEW AND ACCEPTANCE.
- D. CAST-IN-PLACE CONCRETE
- 1. NORMAL WEIGHT AGGREGATES OF NATURAL SAND AND ROCK COMPLYING WITH ASTM C33.
- 2. PORTLAND CEMENT CONFORMING TO ASTM C150, TYPE II.
- 3. NORMAL WEIGHT CONCRETE (145 PCF), WITH PROVEN SHRINKAGE CHARACTERISTICS OF LESS THAN 0.05%, ATTAINING MINIMUM COMPRESSIVE STRENGTHS (f'c) AT 28 DAYS AS FOLLOWS:

 Z6 DATS AS FOLLOWS:

 FOUNDATIONS
 3,000 PSI

 CONCRETE WALLS
 3,000 PSI

 SLAB-ON-GRADE
 3,000 PSI

 UNLESS OTHERWISE NOTED
 3,000 PSI

- 4. SLUMP NOT TO EXCEED 4 INCHES.
- 5. DO NOT USE CONCRETE OR GROUT CONTAINING CHLORIDES
- 6. DO NOT EMBED CONDUITS, PIPES, OR SLEEVES OTHER THAN ELECTRICAL CONDUITS
  1 INCH DIAMETER AND SMALLER IN STRUCTURAL CONCRETE EXCEPT WHERE
  SPECIFICALLY DETAILED OR ACCEPTED BY ARCHITECT OR ENGINEER.
- 7. FORM EXPOSED CORNERS OF COLUMNS, BEAMS, WALLS, ETC... WITH 3/4 INCH CHAMFERS UNLESS OTHERWISE DETAILED.
- 8. PROVIDE KEYS IN CONSTRUCTION JOINTS UNLESS OTHERWISE DETAILED.
- 9. ROUGHED CONCRETE SURFACE TO FULL AMPLITUDE OF 1/16 INCH WHERE MASONRY WALLS INTERSECT CONCRETE.

A. GENERAL

1. ALL MATERIALS AND WORKMANSHIP SHALL CONFORM TO THE CALIFORNIA BUILDING CODE 2019 EDITION (CBC 2019), REFERENCED STANDARDS OF CHAPTER 35 AND ALL APPLICABLE CODES AND ORDINANCES.

BASIS OF DESIGN:
a. SEISMIC LOADS

+ IMPORTANCE FACTOR, le = 1.0 + Ss = 2.356g

+ S1 = 0.911g + SITE CLASS: C

+ Sds = 1.885g+ Sd1 = 0.850g

+ Rho = 1.3 (REDUNDANCY FACTOR)
+ SEISMIC DESIGN CATEGORY: E
+ BASIC SEISMIC-FORCE-RESISTING SYSTEM: SHEATHED SHEAR BEARING WALLS

+ SEISMIC RESPONSE COEFFICIENT, Cs = 0.290 (STRENGTH) = 0.207 (SERVICE) + RESPONSE MODIFICATION FACTOR, R = 6.5

+ RESPONSE MODIFICATION FACTOR, R = 6.5 + ANALYSIS PROCEDURE USED: EQUIVALENT LATERAL FORCE PROCEDURE b. WIND LOAD

+ BASIC WIND SPEED = 110 MPH (ULTIMATE)

+ EXPOSURE C + IMPORTANCE FACTOR, Iw=1.0

+ IMPORTANCE FACTOR, IW=1.0 + INTERNAL PRESSURE COEFFICIENT = 0.18

+ DESIGN WIND PRESSURE = 27.5 PSF + COMPONENTS AND CLADDING WIND PRESSURE = 39 PSF

c. LIVE LOADS + ROOF = 20 PSF + FLOOR = 40 PSF

+ FLOOR = 18 PSF

+ DECK/BALCONY = 60 PSF d. DEAD LOADS + ROOF = 18 PSF

2. AISC — SPECIFICATIONS FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDING.

3. ACI-318 - BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE.

4. ALL ASTM SPECIFICATIONS NOTED ON THESE DRAWINGS SHALL BE OF THE

5. WRITTEN INFORMATION AND DIMENSIONS SHALL TAKE PRECEDENCE OVER

GRAPHIC INFORMATION. DO NOT SCALE DRAWINGS.

6. ALL DIMENSIONS ARE TO TAKE PRECEDENCE OVER SCALE SHOWN ON

PLANS, ELEVATIONS, SECTIONS, AND DETAILS.

7. ANY DISCREPANCIES ON THE PLANS OR ANY DEVIATIONS FROM THE PLANS WHICH ARE NECESSITATED BY FIELD CONDITIONS OR ANY CONDITION DIFFERENT FROM THOSE INDICATES ON THE PLANS, SHALL BE CALLED TO THE ATTENTION OF THANG LE, S.E. PRIOR TO CONTINUING CONSTRUCTION. ALL WORK IS TO BE COORDINATED SO THAT COOPERATION

BETWEEN THE TRADES WHERE REQUIRED, IS ACCOMPLISHED.

8. SEE ARCHITECTURAL DRAWING FOR KINDS OF FLOOR FINISH, DEPRESSION IN SLAB, OPENINGS IN WALLS AND ROOF REQUIRED BY DOOR, WINDOWS, DUCTS, VENTS, HATCHES, PLUMBING, ETC...; ALL TYPE OF FLASHING, INSERTS, ANCHORS, HANGERS, ETC... EMBEDDED OR ATTACHED TO CONCRETE STRUCTURE; PAVING, WALKS, STAIRS, RAMPS, CURBS, PARAPETS, TERRACES, ETC...: EXTERIOR GRADES: ROOF SLABS, CRICKETS AND DRAINS.

9. THE CONTRACTOR SHALL COMPARE THE STRUCTURAL DRAWINGS WITH THE ARCHITECTURAL DRAWINGS AS TO LAYOUT DIMENSIONS AND ELEVATIONS. ALL DISCREPANCIES SHALL BE REPORTED TO THANG LE, S.E. AND THE OWNER FOR PROPER ADJUSTMENT BEFORE PROCEEDING WITH THE WORK.

10. IN THE EVENT THAT CERTAIN FEATURES OF THE CONSTRUCTION ARE NOT FULLY SHOWN ON THE DRAWINGS OR CALLED FOR IN THE THE GENERAL NOTES, THEN THEIR CONSTRUCTION SHALL BE OF THE SAME CHARACTER AS FOR CONDITIONS THAT ARE SHOWN OR CALLED FOR.

11. THE BUILDER SHALL TAKE FULL AND FINAL RESPONSIBILITY FOR CONSTRUCTING A FINAL PRODUCT OF APPROPRIATE QUALITY AND SERVICEABILITY CONSISTENT WITH THE INFORMATION AND REQUIREMENTS CONTAINED IN THE CONSTRUCTION DOCUMENTS OR REASONABLY INFERABLE THEREFROM, AND/OR CONTAINED IN THE REQUIREMENTS OF ANY GOVERNMENTAL ENTITY WITH JURISDICTION OVER THE PROJECT.

12. THE BUILDER SHALL TAKE FULL RESPONSIBILITY FOR ALL CONSTRUCTION MEANS, METHODS, TECHNIQUES, SEQUENCES OR PROCEDURES INCLUDING WITHOUT LIMITATION DEMOLITION, EXCAVATION AND ERECTION PROCEDURES.

13. STRUCTURAL OBSERVATION VISITS TO SITE BY REPRESENTATIVES OF THANG LE, S.E. DO NOT INCLUDE INSPECTIONS OF CONSTRUCTION MEANS AND METHODS. OBSERVATIONS PERFORMED BY ENGINEER DURING CONSTRUCTION ARE NOT CONTINUOUS AND DETAILED INSPECTION SERVICES WHICH ARE PERFORMED BY OTHERS. OBSERVATIONS PERFORMED BY ENGINEER ARE PERFORMED SOLELY FOR THE PURPOSE OF DETERMINING IF THE CONTRACTOR UNDERSTAND DESIGN INTENT CONVEYED IN CONTRACT DOCUMENTS. OBSERVATIONS DO NOT GUARANTEE CONTRACTOR'S PERFORMANCE AND ARE NOT TO BE CONSTRUED AS SUPERVISION OF CONSTRUCTION.

14. MODIFICATIONS OR SUBSTITUTIONS: DESIGN, MATERIALS, EQUIPMENT AND PRODUCTS OTHER THAN THOSE INDICATED OR SPECIFIED MAY BE CONSIDERED FOR USE PROVIDED A WRITTEN REQUEST, SUBJECT TO REVIEW, IS SUBMITTED TO OWNER, ARCHITECT, ENGINEER AND GOVERNING CODE AUTHORITY PRIOR TO ITS USE OR INCLUSION ON ANY SHOP DRAWING.

15. BRACE PIPING AND DUCTS COMPLYING WITH LATEST ADDITION OF GUIDELINES FOR SEISMIC RESTRAINTS OF MECHANICAL SYSTEMS BY THE SHEET METAL AND AIR CONDITIONING CONTRACTORS NATIONAL ASSOCIATION.

16. INSTALL AND ANCHOR MECHANICAL AND ELECTRICAL EQUIPMENT TO STRUCTURE COMPLYING ASCE/SEI 7-05, CHAPTER 13, AS MODIFIED BY CBC 1614.1.11 THROUGH 1614.1.16. ISOLATORS, FASTENERS AND ANY OTHER ELEMENT PROVIDING STABILITY FOR EQUIPMENT SHALL BE APPROVED BY ICC-ES OR EQUIVALENT TESTING PROCEDURE. PROVIDE SUSPENDED EQUIPMENT WITH APPROVED LATERAL OR SWAY BRACING.

& ASSOCIATESDATE ISSUED<br/>10–15–2022No.DATEREVISION DESCRIPTIONL ENGINEERS, INC.<br/>HILL BLVD., SUITE C<br/>5ALIFORNIA 91006<br/>626) 731–1539DATE ISSUED<br/>ADATENo.DATEREVISION DESCRIPTION<br/>A 10–15–2022<br/>ADATEABLYD., SUITE C<br/>ALIFORNIA 91006<br/>626) 731–1539MLADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/>ADATE<br/

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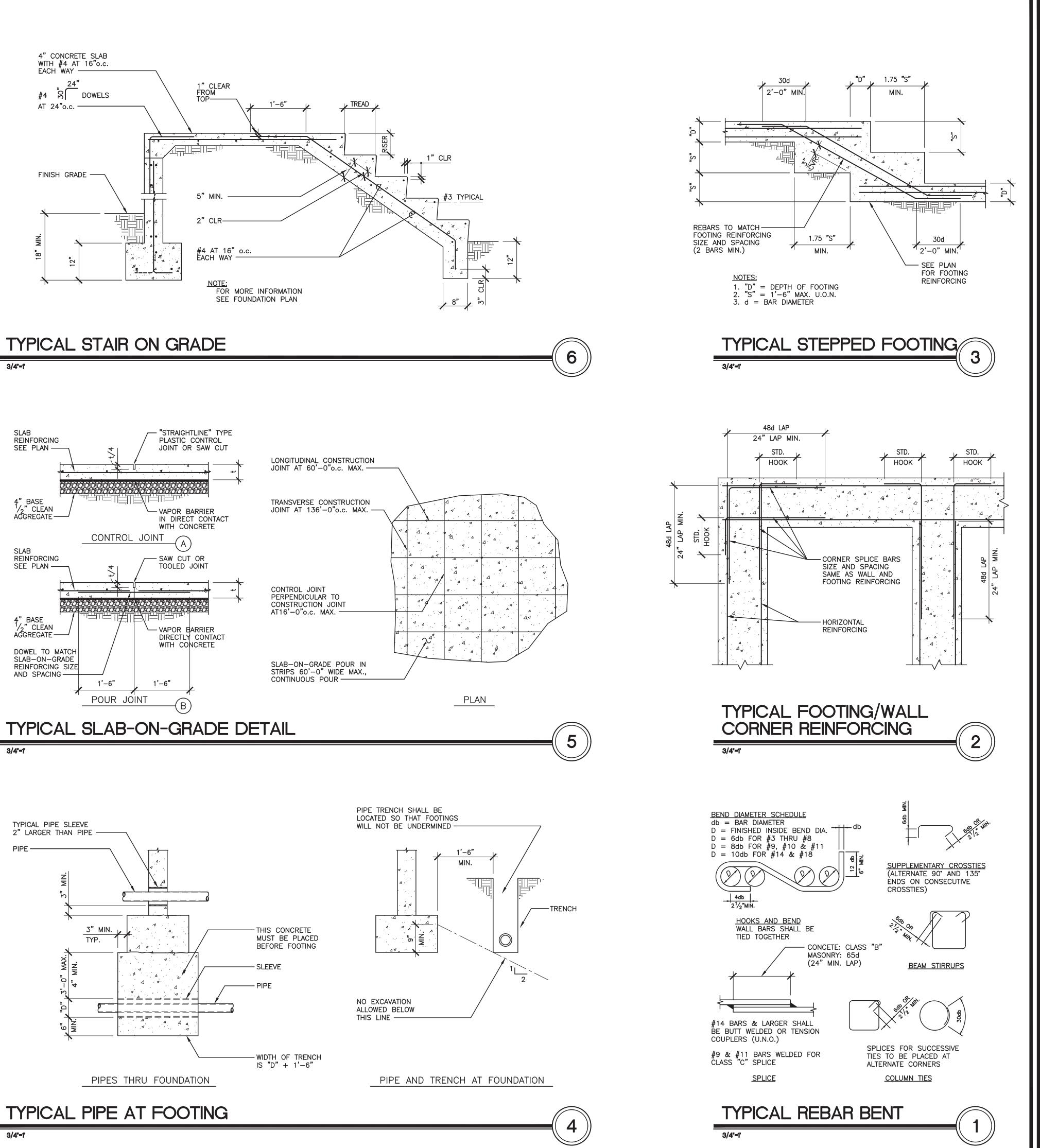
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ERAL NOTES

**S11** 

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3/4"=1"

3/4"=1"

**S1.2** 

TYPICAL CONCRETE

S 4978 EXP 06/30/24

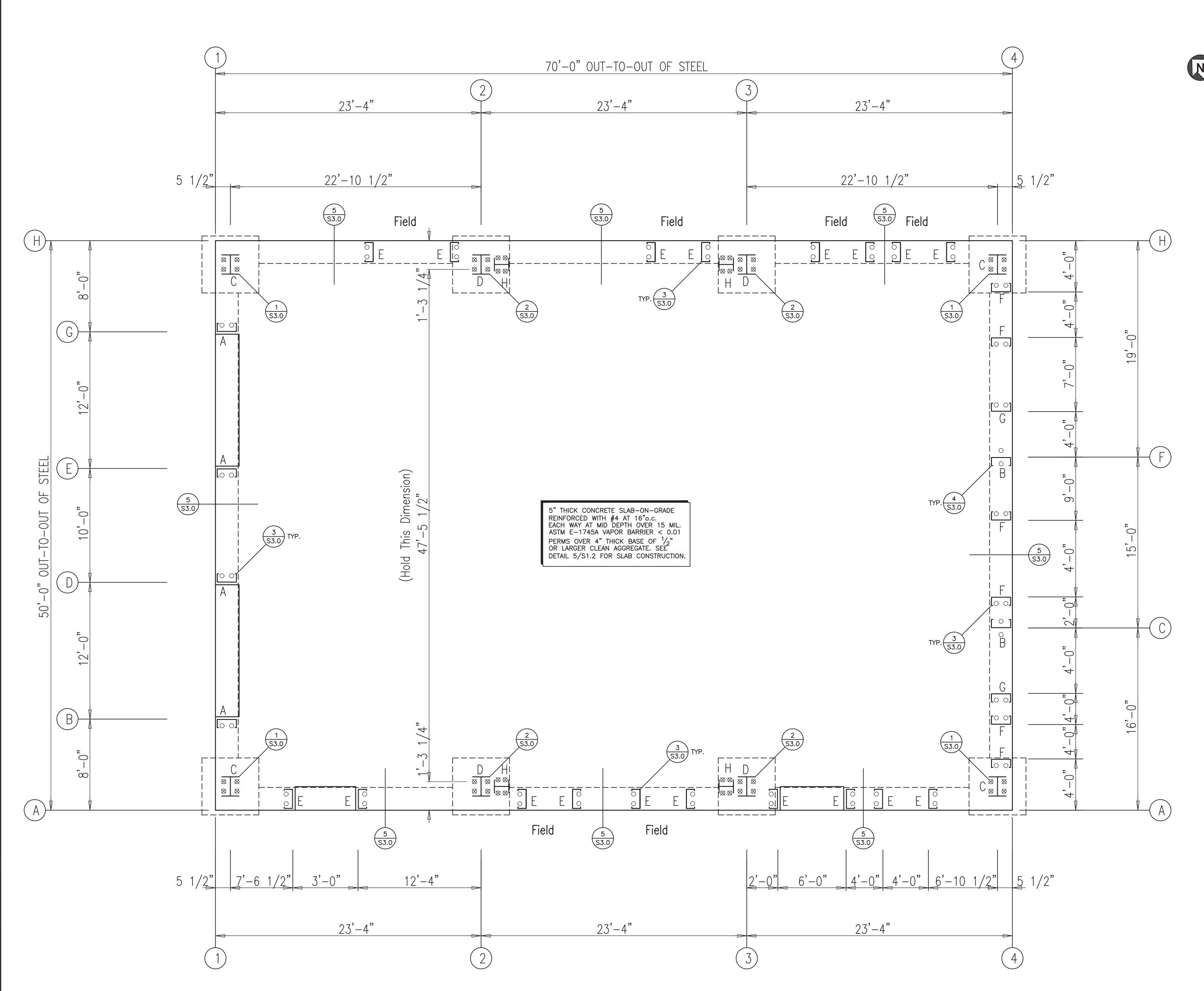
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ARSON

DETAIL

10.15.2022

10818 CROTHERS ROAD SAN JOSE, CALIFORNIA





- ALL COLUMN FOOTINGS ARE CENTERED ON COLUMNS AND COLUMNS ARE CENTERED ON GRIDS U.O.N. WALL FOOTINGS ARE CENTERED BENEATH WALLS U.O.N.
- 2. SEE SHEET S1.1 FOR GENERAL STRUCTURAL NOTES.
- 3. SEE SHEET S1.2 FOR TYPICAL CONCRETE DETAILS.
- 4. VERIFY SIZE, LOCATION AND DEPTH OF UTILITIES AND SLEEVES WITH OTHER TRADES. FOR MECH LINES BELOW FOUNDATION, STEP AND THICKEN FOOTING AS INDICATED IN DETAIL
- 5. VERIFY SHOWN DIMENSIONS WITH ARCHITECTURAL, MECHANICAL & ELECTRICAL DRAWINGS. NOTIFY ARCHITECT OF DISCREPANCIES PRIOR TO CONSTRUCTION.
- 6. FOR TYPICAL FOOTING/WALL CORNER BAR REINFORCING SEE S1.2
- 7. ——— DESIGNATES GRADE BEAM
  ——— SEE PLAN FOR REINFORCEMENT
- 8. [ ] DESIGNATES NEW PAD FOOTING, SEE PLAN FOR REINFORCEMENT

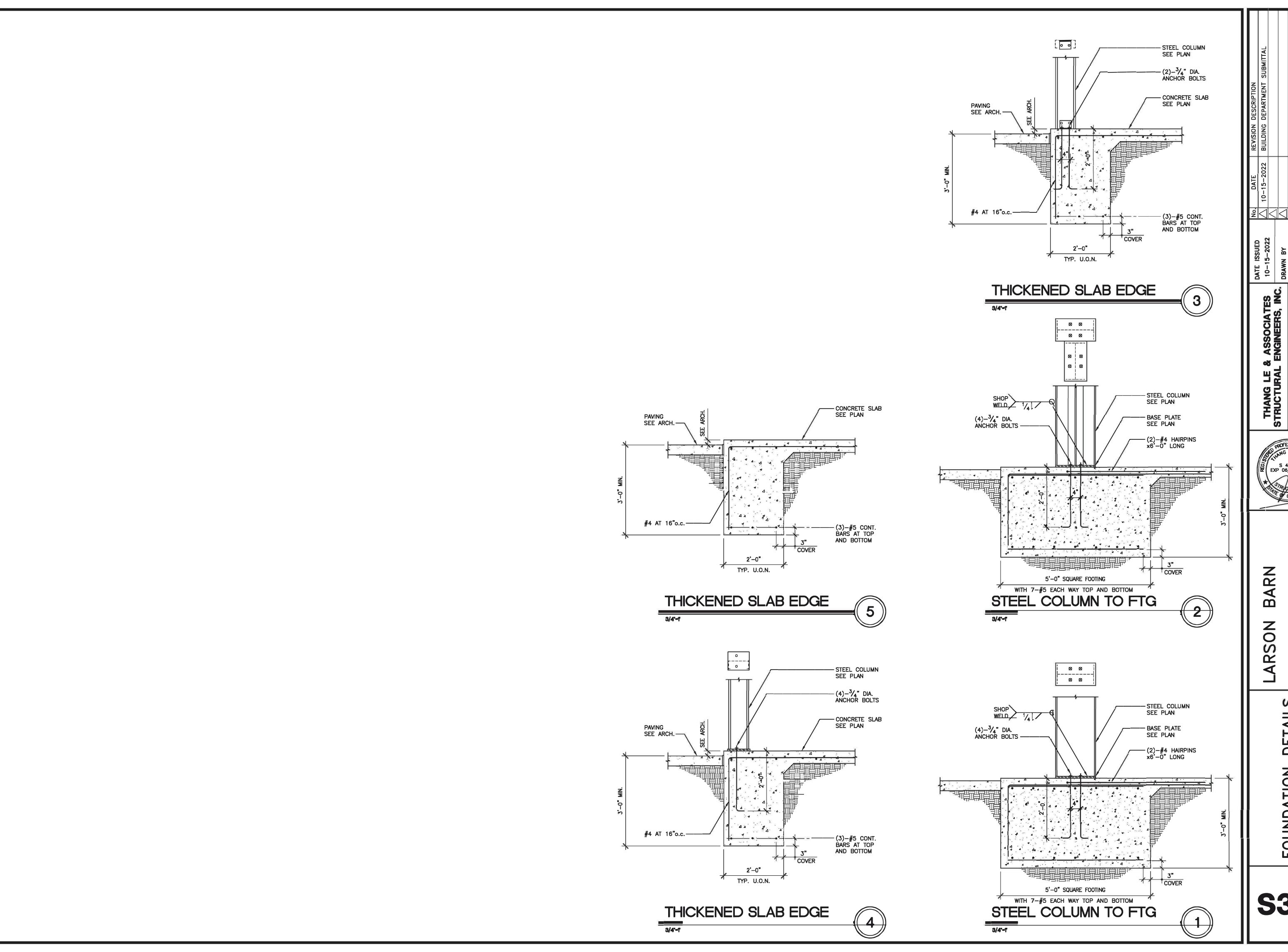
9. IF ADVERSE SOIL CONDITIONS ARE ENCOUNTERED, A SOILS INVESTIGATION REPORT MAY BE REQUIRED.



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**ARSON** 

PLAN FOUNDATION



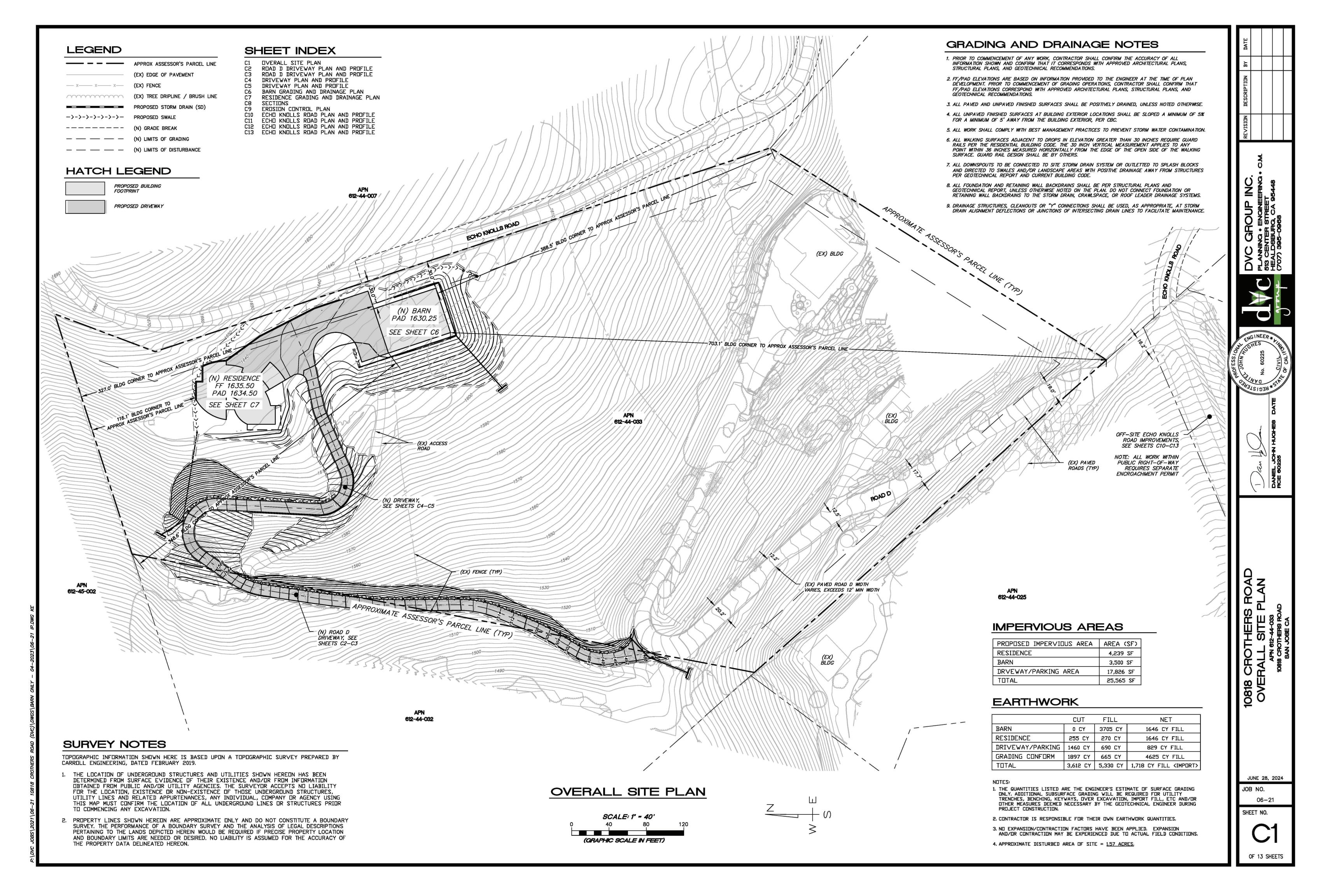
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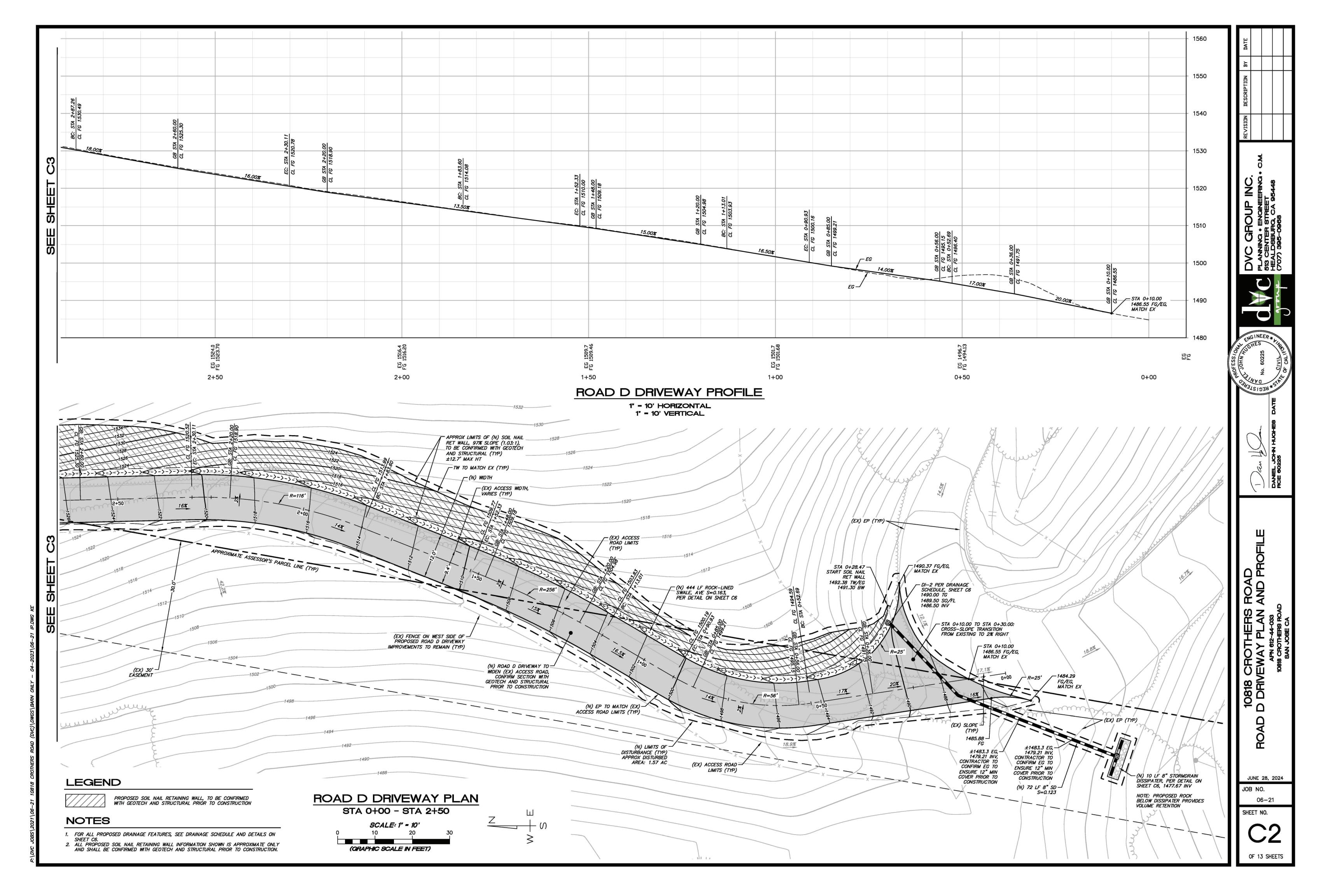


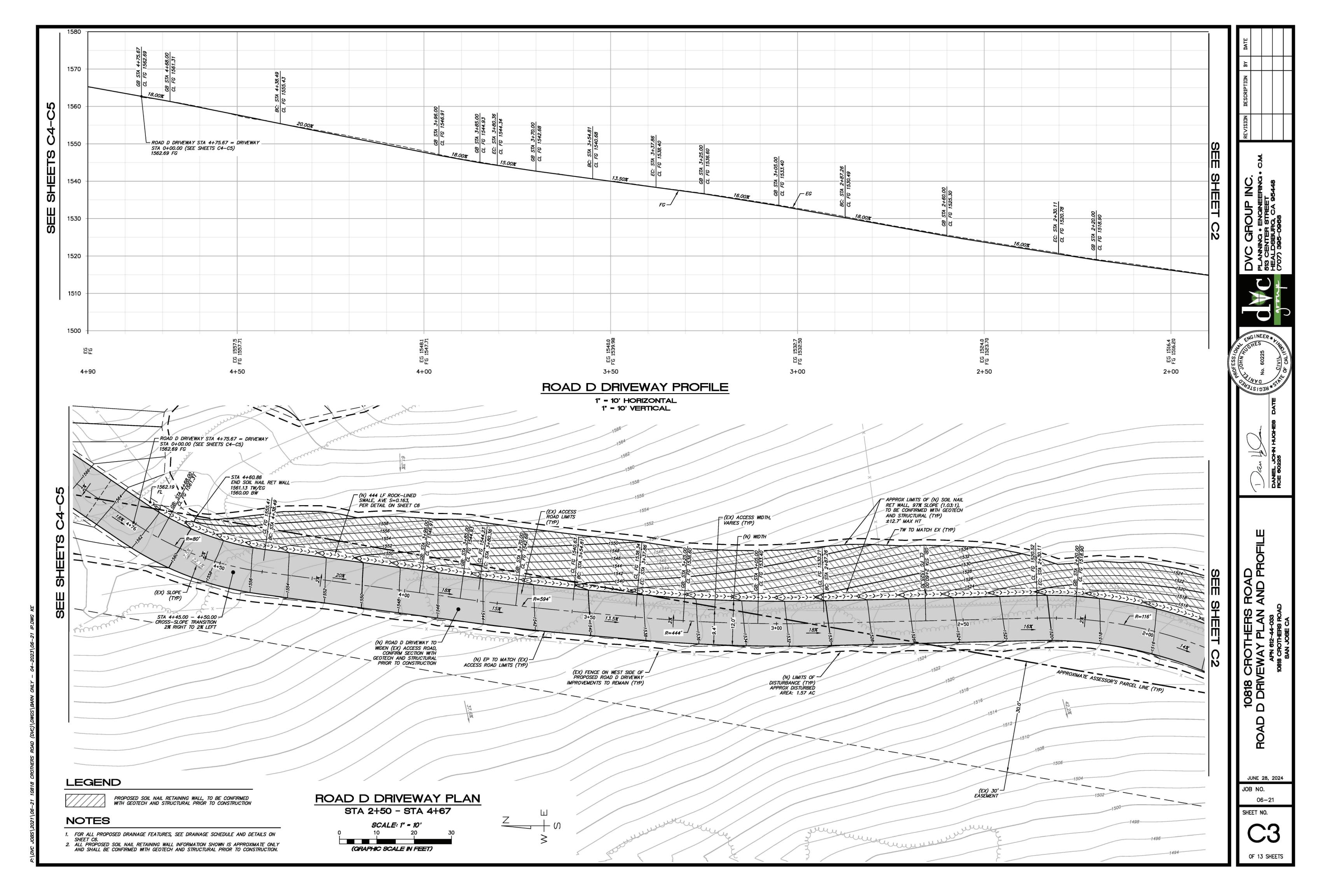
10818 CROTHERS ROAD SAN JOSE, CALIFORNIA

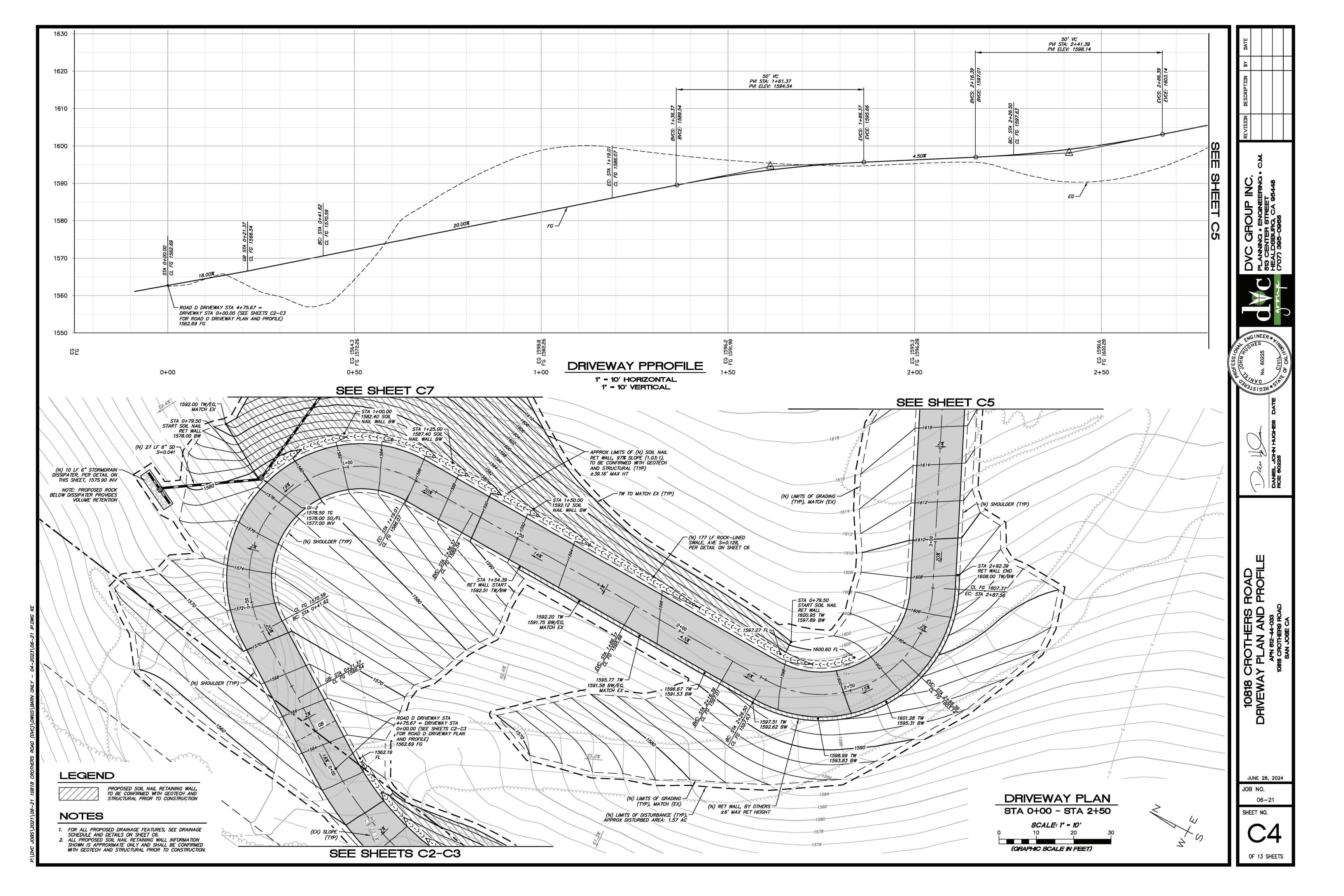
DETAILS **FOUNDATION** 

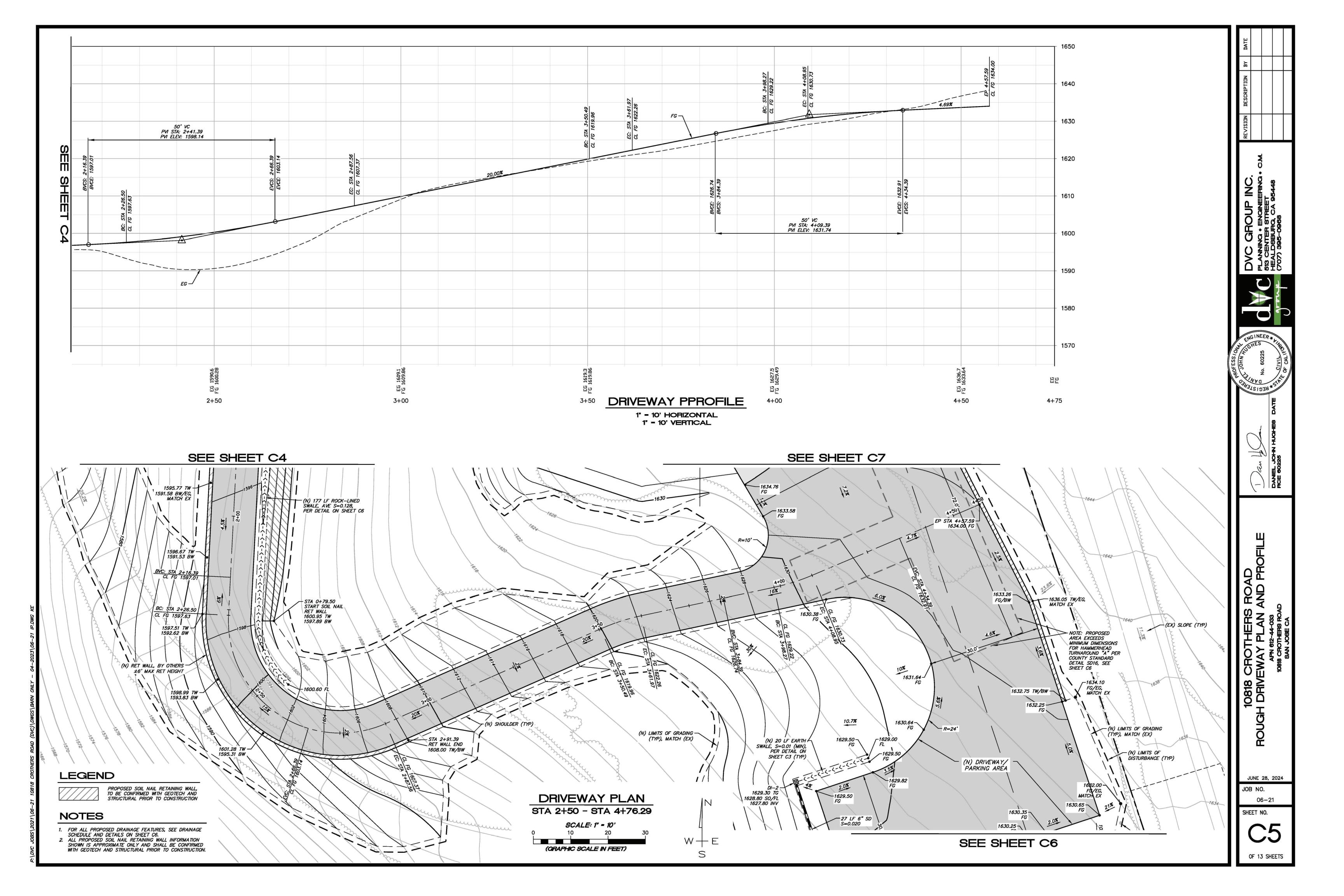
**S3.0** 

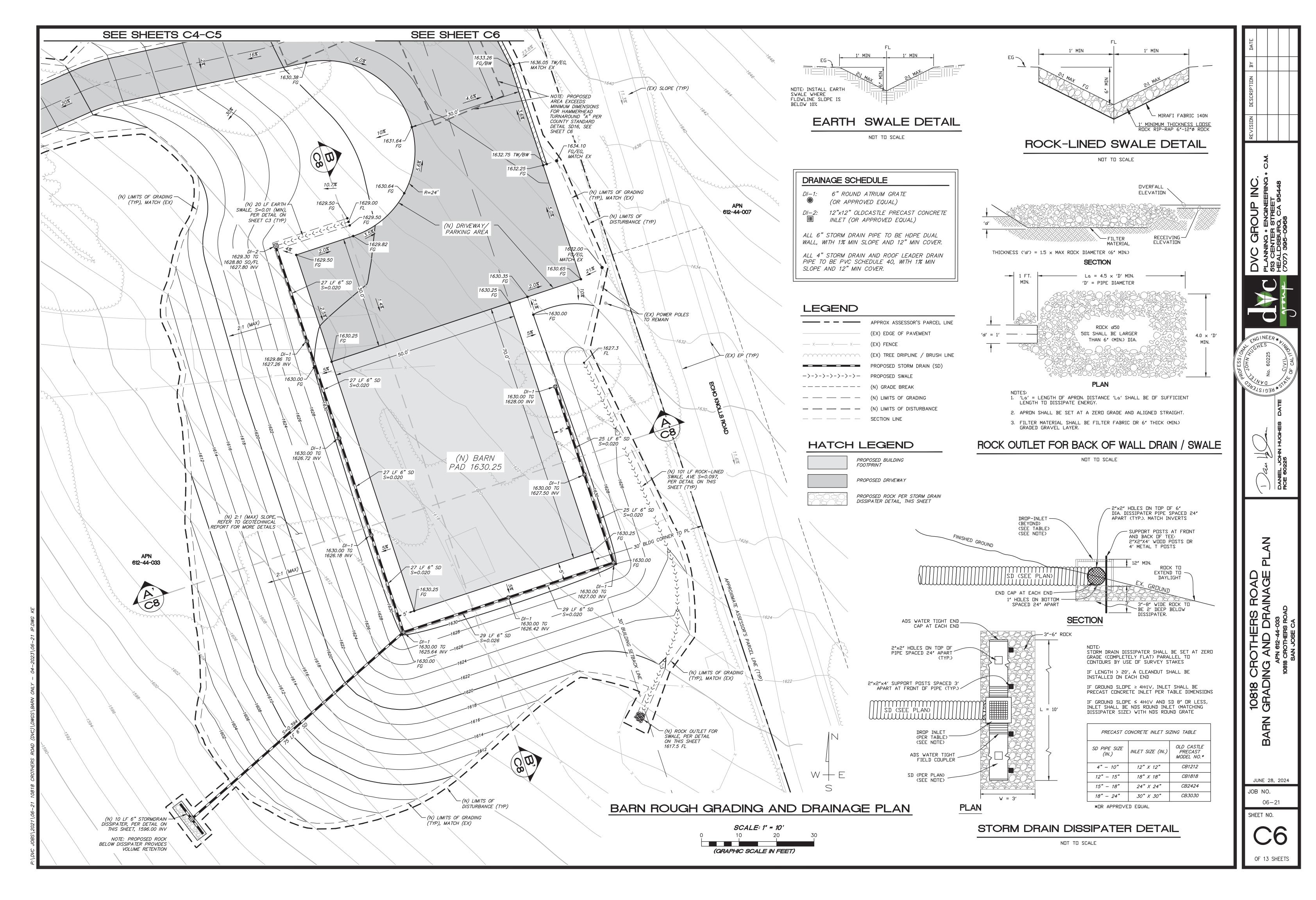


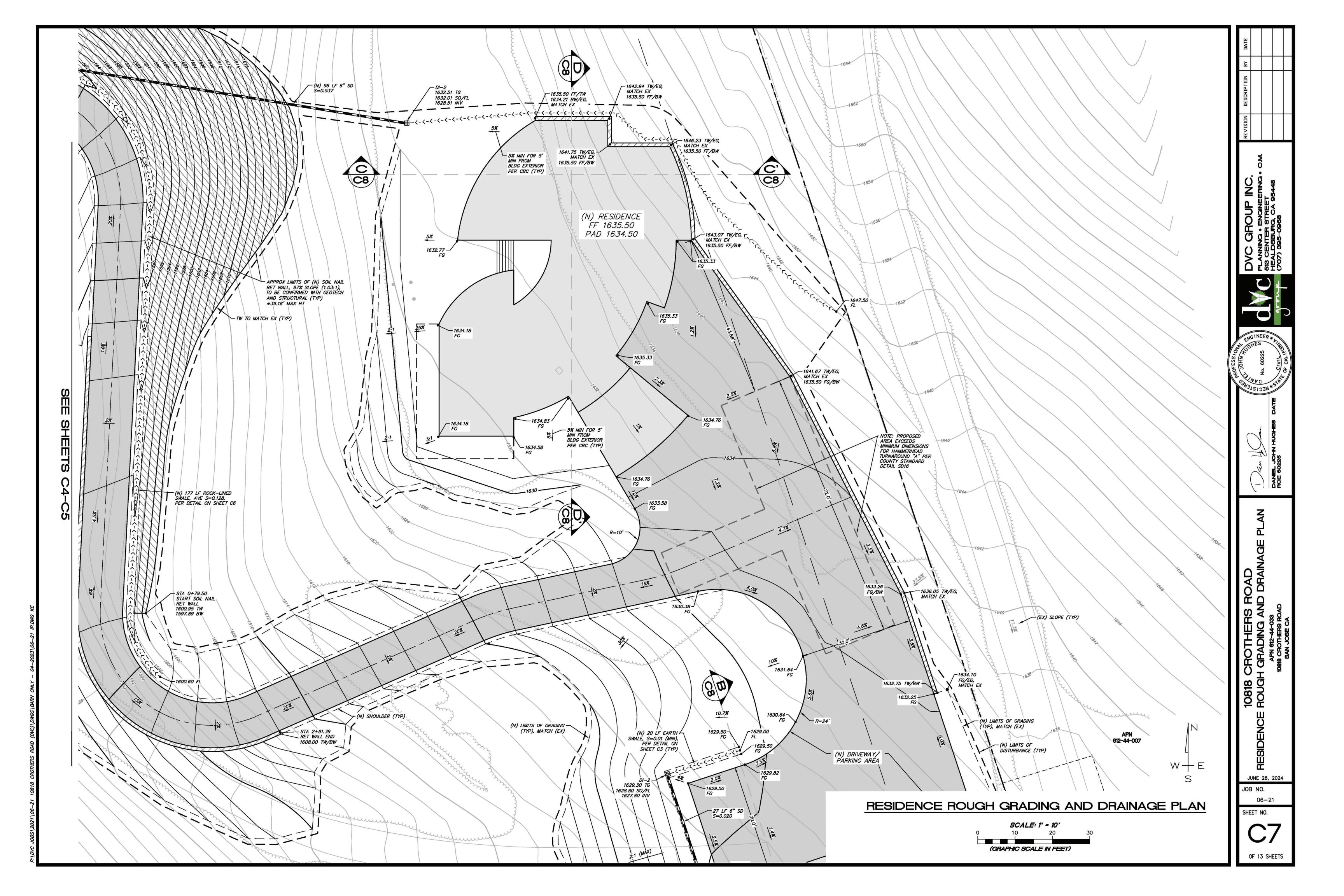


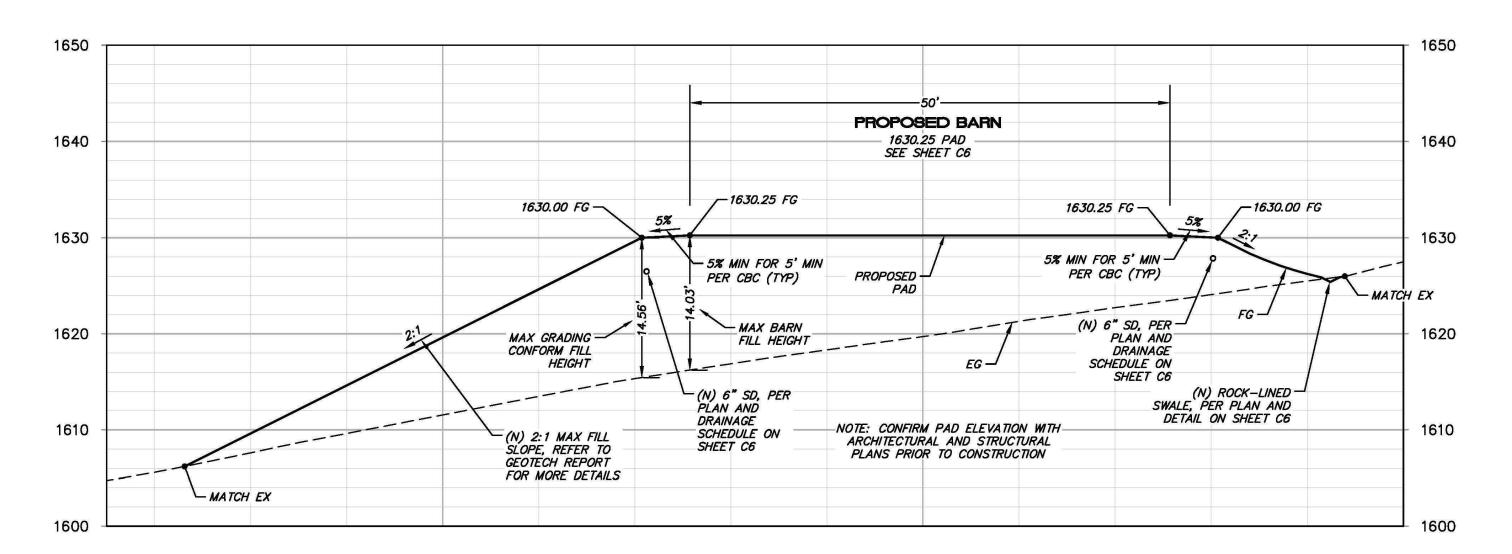






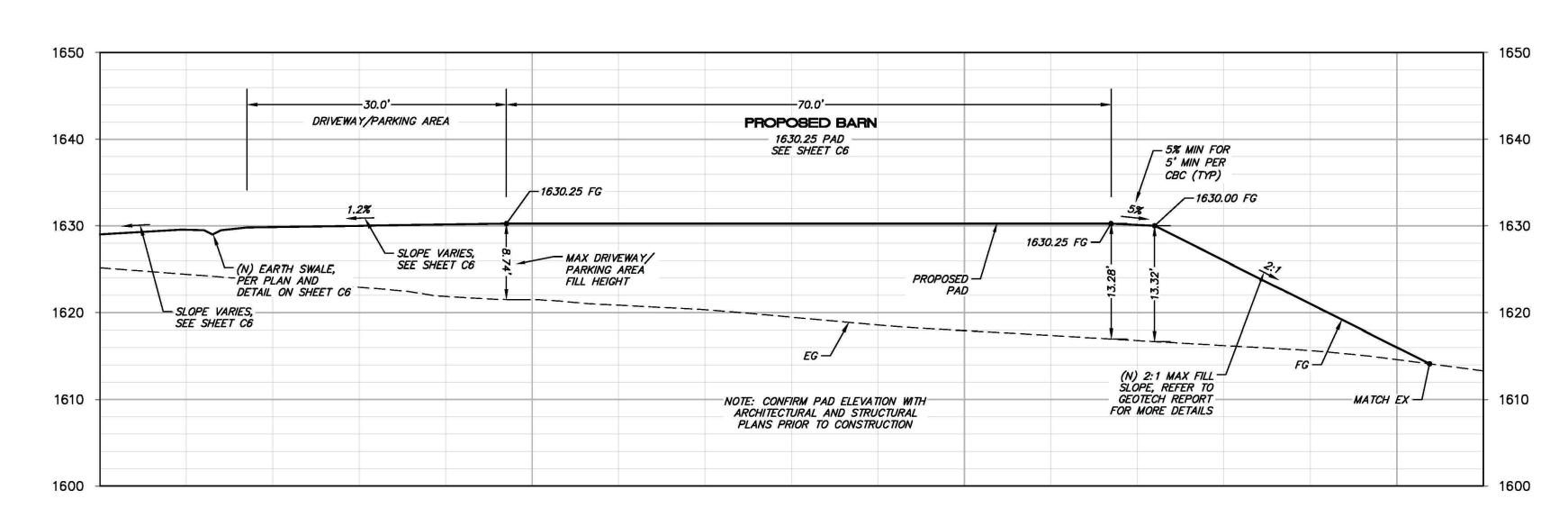






# SECTION A-A'

1" - 10' HORIZONTAL 1" = 10' VERTICAL

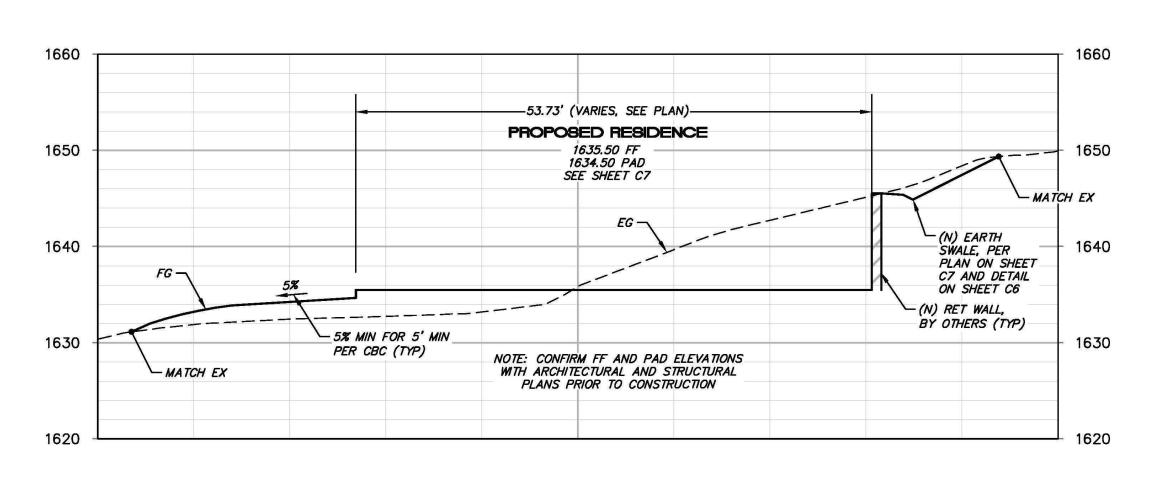


### **SECTION NOTES**

- 1. REMOVE ALL WEAK SOILS AS DETERMINED BY THE GEOTECHNICAL ENGINEER IN THE FIELD DURING CONSTRUCTION.
- 2. THE SURFACE EXPOSED BY REMOVAL OF WEAK SOILS SHALL BE SCARIFIED TO A DEPTH OF 8", UNIFORMLY MOISTURE-CONDITIONED TO WITHIN 2% OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 95% R.C., TO BE CONFIRMED WITH GEOTECHNICAL ENGINEER.
- 3. FOR FILL SECTIONS APPROVED, SELECT FILL SHALL THEN BE SPREAD IN LOOSE, 8-INCH THICK LIFTS, UNIFORMLY MOISTURE CONDITIONED TO WITHIN 2% OF OPTIMUM MOISTURE CONTENT, AND COMPACTED TO AT LEAST 90% R.C., TO BE CONFIRMED WITH GEOTECHNICAL REPORT.
- 4. ALL EXPOSED SOIL SHALL BE PROTECTED FROM EROSION.

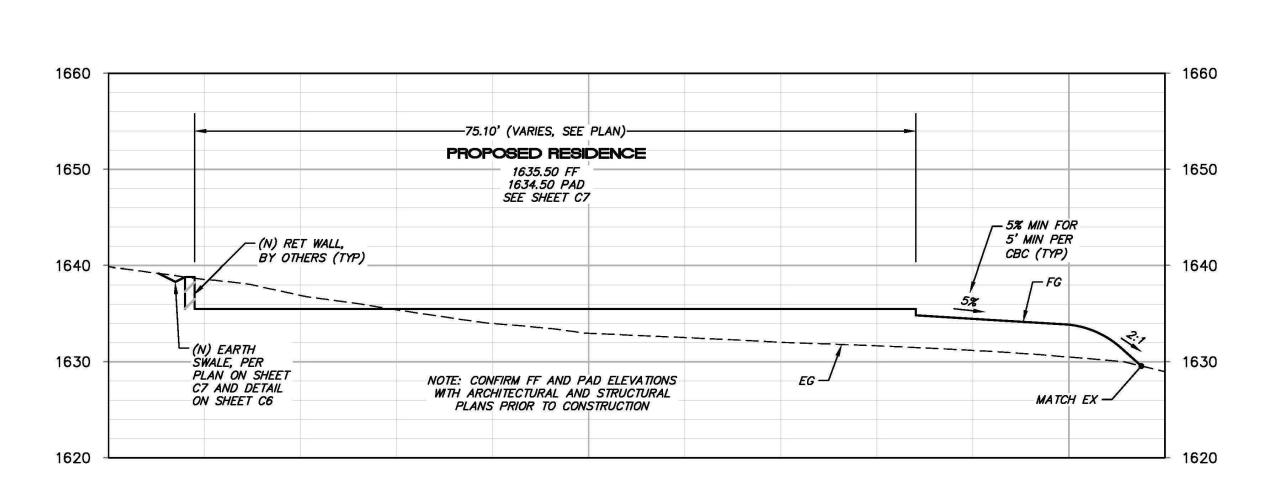
# SECTION B-B'

1" = 10' HORIZONTAL 1" - 10' VERTICAL



1" - 10' HORIZONTAL

1" - 10' VERTICAL



SECTION C-C'

1" = 10' HORIZONTAL 1" = 10' VERTICAL

SECTION D-D'

OF 13 SHEETS

JUNE 28, 2024

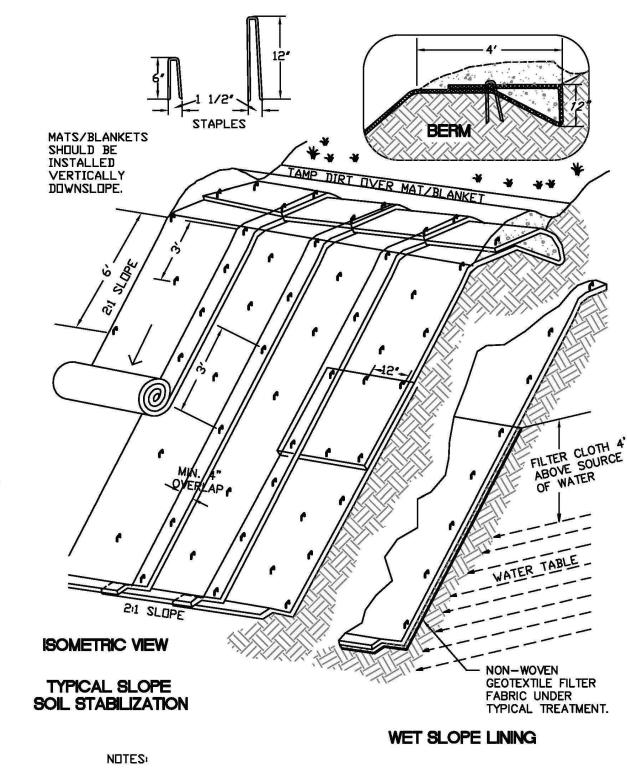
06 - 21

JOB NO.

SHEET NO.

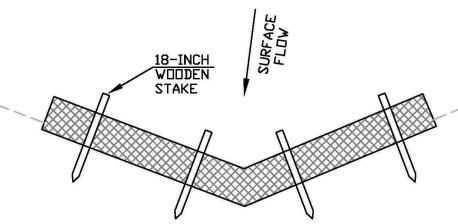
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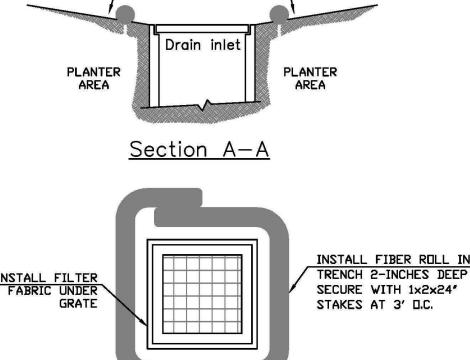
(QRAPHIC SCALE IN FEET)



- 1. SLOPE SURFACE SHALL BE FREE OF ROCKS, CLODS, STICKS
- 2. LAY BLANKETS LOOSELY AND STAKE OR STAPLE TO MAINTAIN DIRECT CONTACT WITH THE SOIL. DO NOT STRETCH.

**EROSION BLANKETS + TURF** REINFORCEMENT MATS DETAIL





ENSURE PROPER
CAPACITY FOR SEDIMENT

BEHIND FIBER ROLL

1. INSPECT INLET PROTECTION DEVICE BEFORE AND AFTER RAIN EVENTS, AND WEEKLY THROUGH THE RAINY SEASON. DURING EXTENDED RAIN EVENTS, INSPECT AT LEAST ONCE EVERY 24 HOURS.

2. REMOVE AND PROPERLY DISPOSE OF ACCUMULATED SILT AND DEBRIS
TO ALLOW FOR PROPER FUNCTION OF DEVICE

> INLET SEDIMENT BARRIER NOT TO SCALE

JUNE 28, 2024 JOB NO. 06 - 21

GINEER

SHEET NO.

STRAW WATTLE CHECK DAM DETAIL

SHALL BE DESIGNATED AND MAINTAINED TO PREVENT DISCHARGE OF

