

GENERAL REQUIREMENTS,

WORK PERFORMED SHALL COMPLY WITH FOLLOWING

- I. THESE GENERAL NOTES OTHERWISE NOTED ON PLANS OR SPECIFICATIONS CALIFORNIA CURRENT BUILDING CODE
- 2. ALL APPLICABLE LOCAL. STATE AND FEDERAL CODES. ORDINANCES. REGULATIONS AN:) PROTECTIVE COVENANTS GOVERNING THE SITE WORK.
- 3. STANDARD SPECIFICATIONS OF ASTM.
- 4. IN CASE OF CONFLICT. THE MORE STRINGENT REQUIREMENTS SHALL GOVERN. " OR EQUAL" THE CONTRACTOR SHALL SUBMIT FOR THE ARCHITECTS OR BUILDERS' APPROVAL ALL MATERIALS OR EQUIPMENT WHICH IS CONSIDERED "OR EQUAL" OTHER THAN THAT SPECIFIED.
- ON SITE VERIFICATION OF ALL DIMENSIONS AND CONDITIONS SHALL BE THE RESPONSIBILITY OF HE CONTRACTOR AND SUB -CONTRACTORS. NOTED DIMENSIONS TAKE PRECEDENT OVER SCALE. EACH CONTRACTOR OR SUB-CONTRACTOR SHALL REPORT TO THE PROJECT SUPERINTENDENT ALL CONDITIONS WHICH PREVENT THE PROPER EXECUTION OF THE WORK.

CLIENTS ARCHITECT AND SUPERINTENDENT ARE TO BE NOTIFIED

- IMMEDIATELY BY THE CONTRACTOR OR SUBCONTRACTOR SHOULD ANY DISCREPANCY OR OTHER QUESTION ARISE PERTAINING TO THE WORKING DRAWINGS AND/OR SPECIFICATIONS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR RESOLUTION OF ANY ERRORS, DISCREPANCIES, OR OMISSIONS WHICH THE CONTRACTOR FAILED TO NOTIFY THE .ARCHITECT OF BEFORE CONSTRUCTION AND OR FABRICATION OF THE WORK.
- SUB -CONTRACTORS SHALL: ENSURE THAT ALL WORK IS DONE IN A PROFESSIONAL AND WORKMANLIKE MANNER BY SKILLED MECHANICS AND SHALL REPLACE ANY MATERIALS OF ITEMS DAMAGED BY SUB-CONTRACTORS PERFORMANCE. SUB CONTRACTORS AND SUPPLIERS ARE HEREBY NOTIFIED THAT THEY ARE TO CONFER AND COOPERATE FULLY WITH EACH OTHER DURING THE COURSE OF CONSTRUCTION. AND DETERMINE THE EXACT EXTENT ANY OVERLAP OF EACH OTHERS WORK AND TO ASSURE THAT EACH OTHERS WORK BE OF QUALITY TO PASS INSPECTIONS OF THE LOCAL AUTHORITIES, LENDING INSTITUTIONS, ARCHITECT OR BUILDER. ANY OR ALL OF-THE ABOVE INSPECTORS MAY INSPECT AT ANY TIME, AND ANY CORRECTIONS NEEDED TO ENHANCE THE QUALITY OF BUILDING WILL BE DONE IMMEDIATELY. EACH SUB-CONTRACTOR, UNLESS SPECIFICALLY EXEMPTED BY THE TERMS OF HIS SUB-CONTRACT AGREEMENT. SHALL BE RESPONSIBLE FOR CLEANING UP AND REMOVING, FROM THE JOB SITE ALL EXCESS MATERIAL AND DEBRIS NOT LEFT BY OTHER SUB - CONTRACTORS. BUILDER WILL DETERMINE HOW SOON AFTER THE SUBCONTRACTOR COMPLETES EACH PHASE OF HIS WORK THAT TRASH AND DEBRIS WILL BE REMOVED.

Project Information

Owner

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Civil Engineer

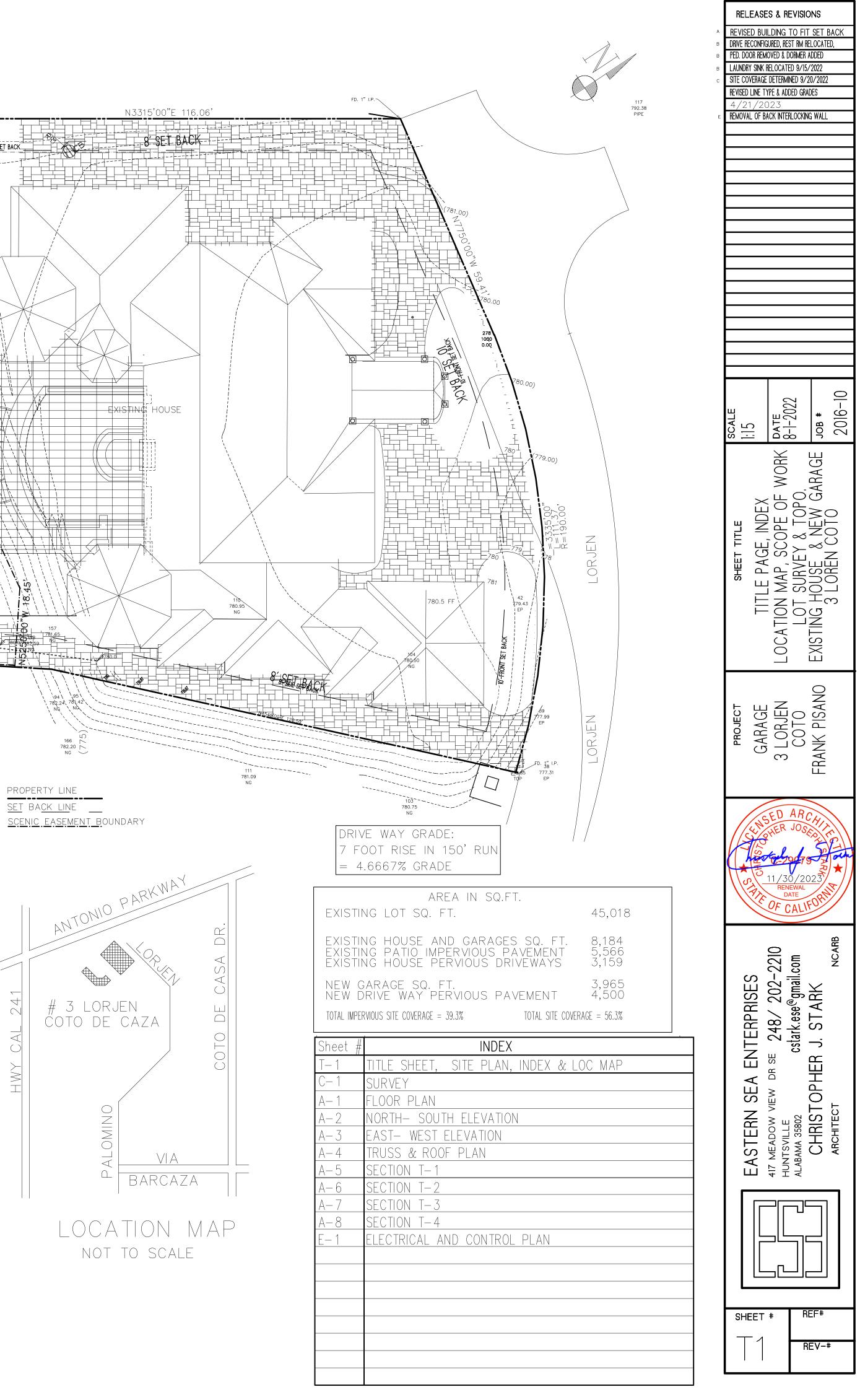
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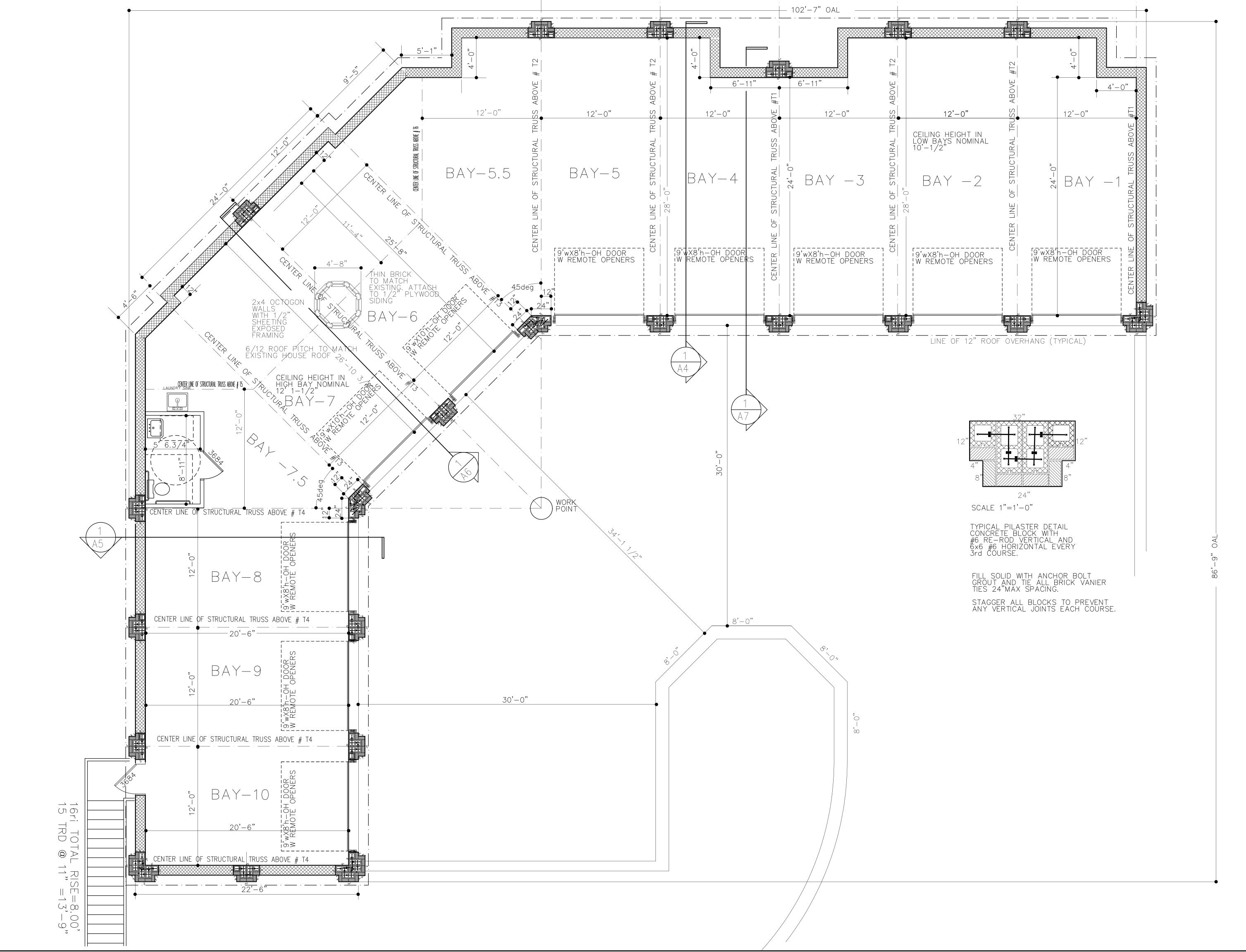
Soils and Geotechnical Engineer

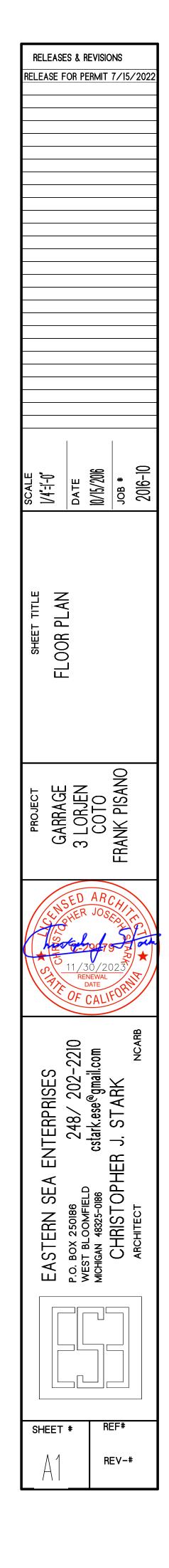
Associated Soils Engineering, Inc. –Consulting Geotechnical Engineers 2860 Walnut Ave. Signal Hill, CA 90755 Tel: 562-426-7990

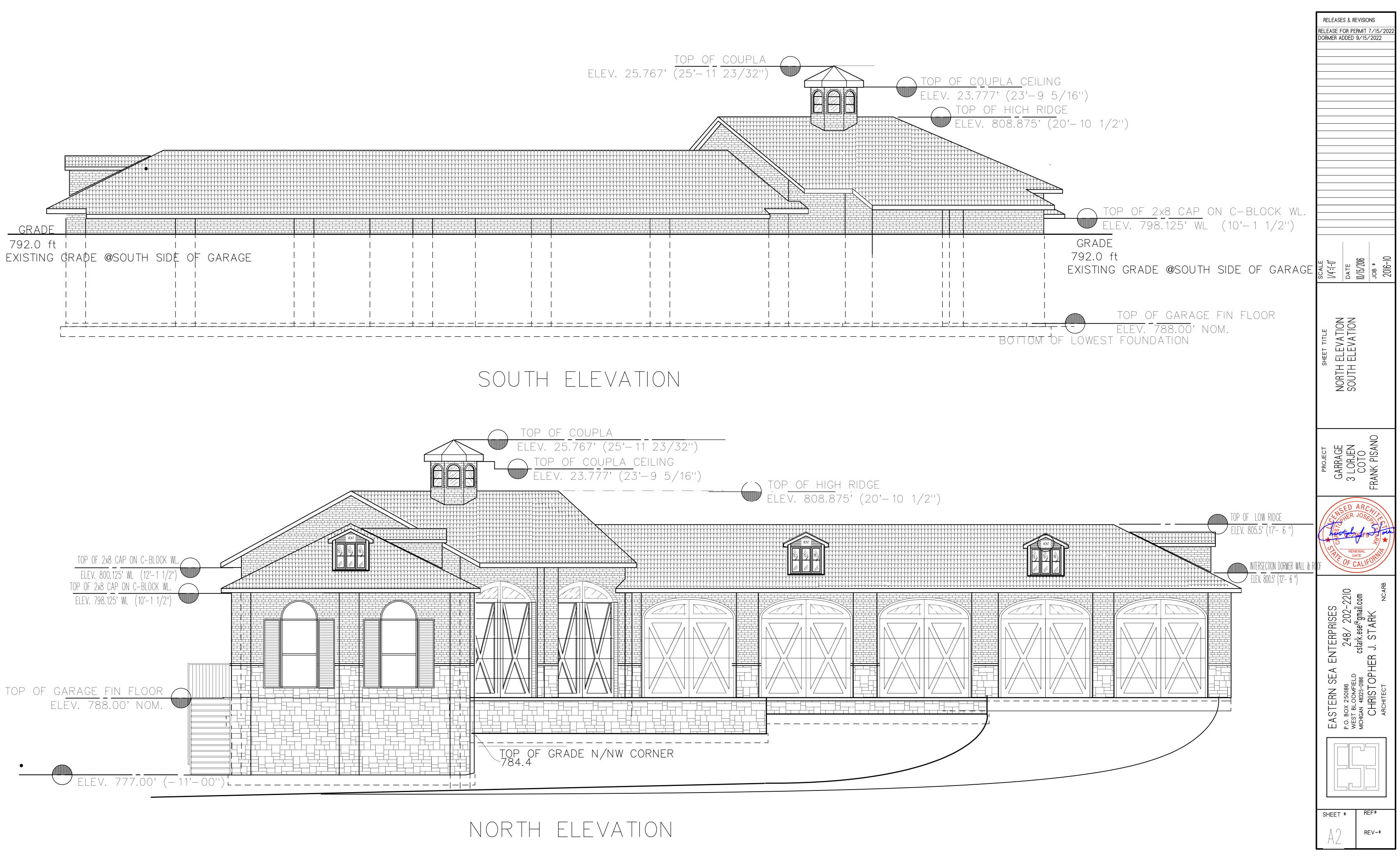
Builder and Project Manager

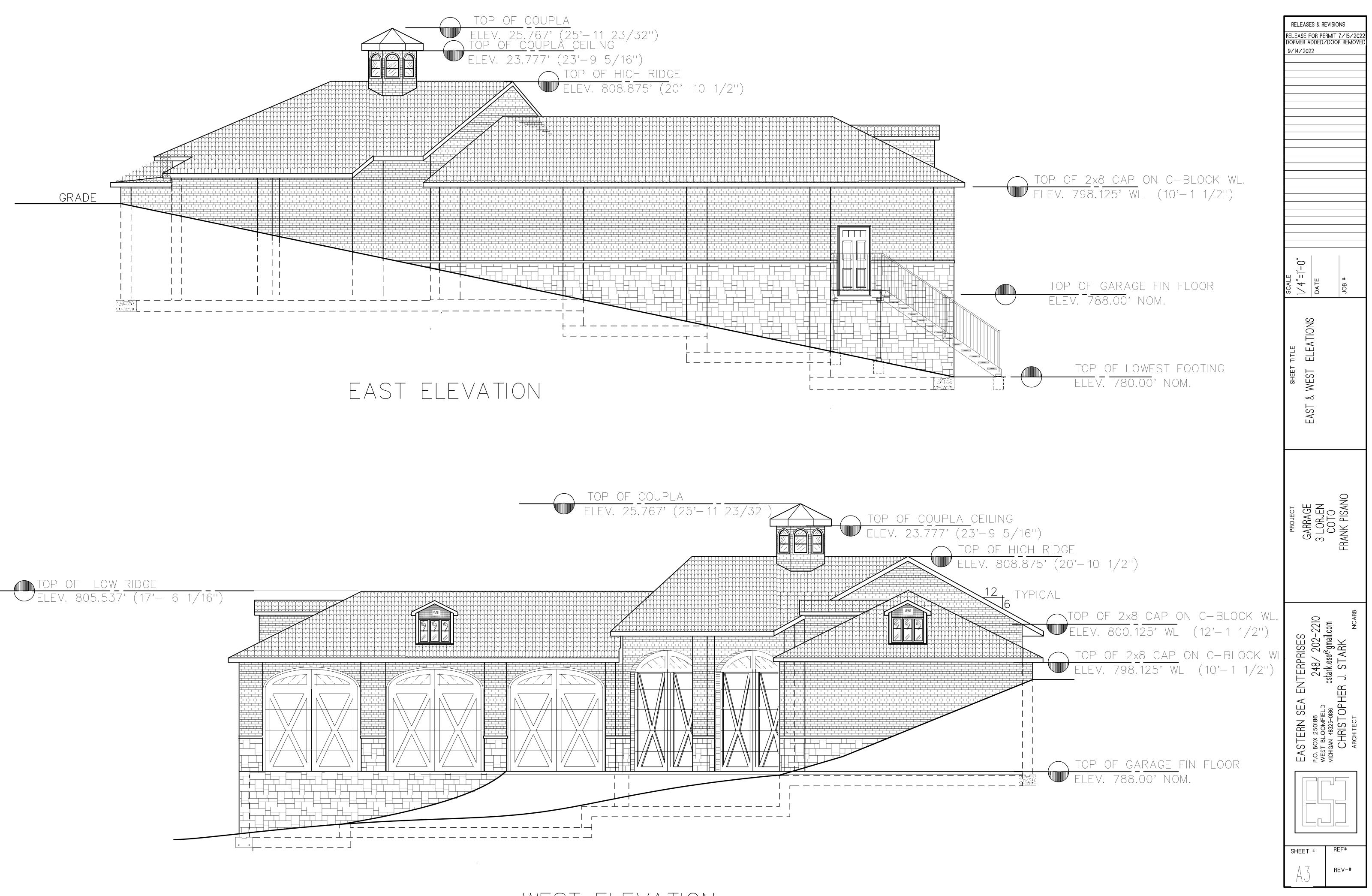
Prestige Development Company-General Contractor and Project Management 63 Via Pico Plaza, Ste 412 San Clemente, CA 92672 Tel: 949-366-2101

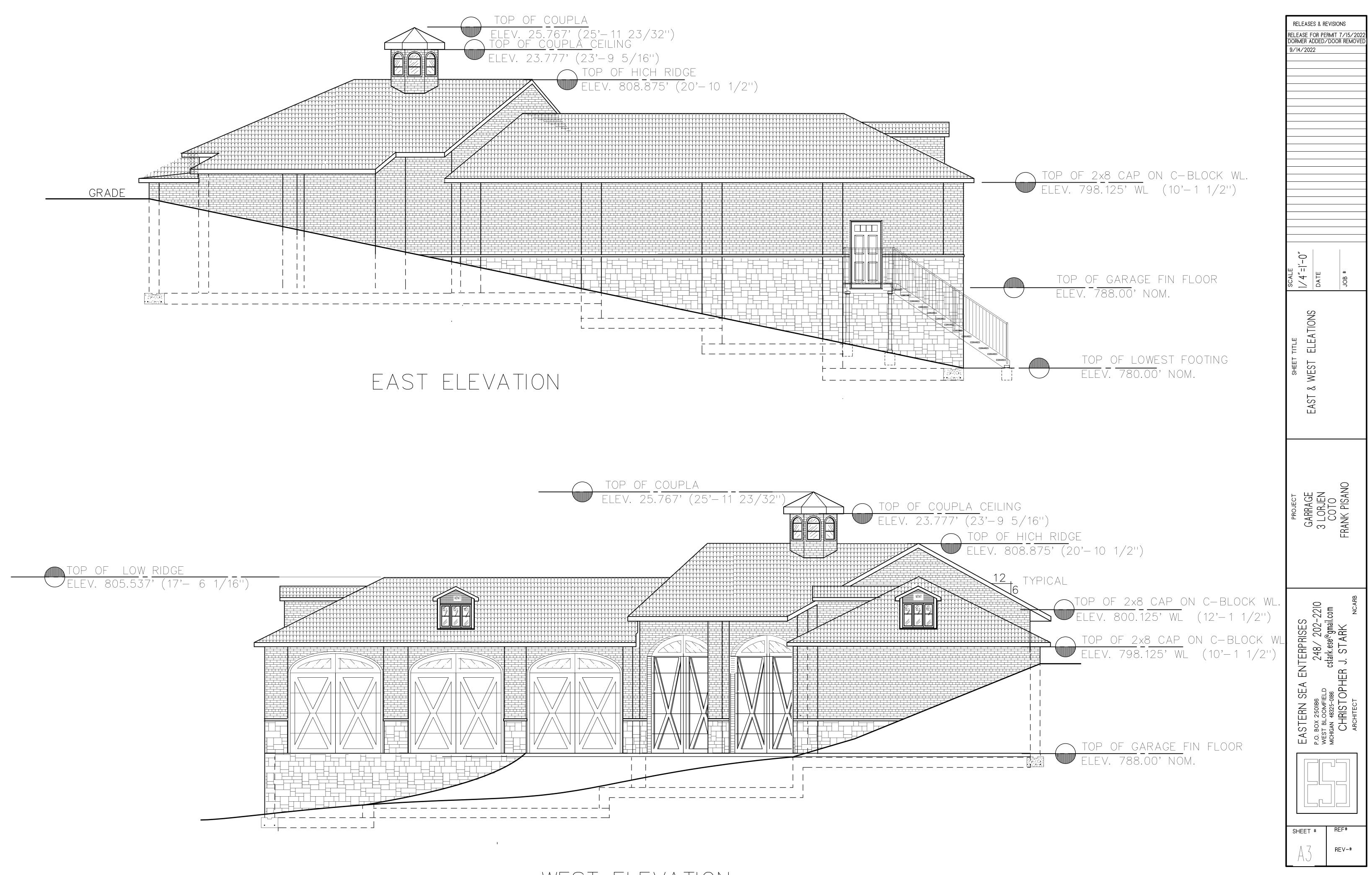












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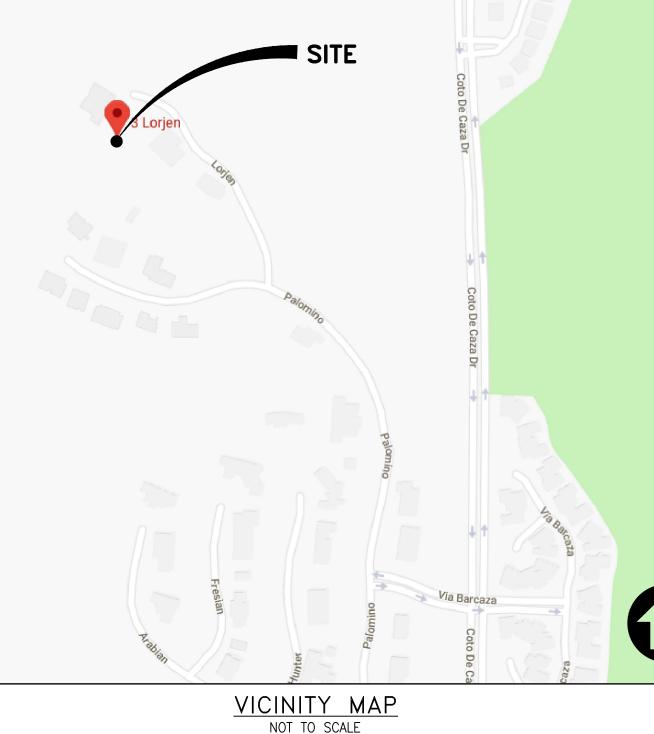
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GRA (1)	ADING NOTES ALL WORK SHALL BE IN ACCORDANCE WITH THE GRADING CODE OF THE COUNTY OF ORANGE AND ANY SPECIAL REQUIREMENTS OF THE PERMIT. A COPY OF THE GRADING CODE AND MANUAL SHALL BE RETAINED ON THE JOB	PRE
(2)	SITE WHILE WORK IS IN PROGRESS. WHEN REFERENCED ON THE PLANS, A COPY OF OCPW STANDARD PLANS SHALL BE RETAINED ON THE SITE. GRADING SHALL NOT BE STARTED WITHOUT FIRST NOTIFYING THE DISTRICT GRADING INSPECTOR. A PRE-GRADING MEETING ON THE SITE IS REQUIRED BEFORE START OF GRADING WITH THE FOLLOWING PEOPLE PRESENT: OWNER,	
	GRADING CONTRACTOR, DESIGN CIVIL ENGINEER, SOIL ENGINEER, GEOLOGIST, DISTRICT GRADING INSPECTOR AND WHEN REQUIRED THE ARCHAEOLOGIST AND PALEONTOLOGIST. THE REQUIRED INSPECTIONS FOR GRADING WILL BE EXPLAINED AT THIS MEETING.	
(3)	ISSUANCE OF A GRADING PERMIT DOES NOT ELIMINATE THE NEED FOR PERMITS FROM OTHER AGENCIES WITH REGULATORY RESPONSIBILITIES FOR CONSTRUCTION ACTIVITIES ASSOCIATED WITH THE WORK AUTHORIZED ON THIS PLAN.	
(4) (5)	THE GRADING PERMIT AND AN APPROVED COPY OF THE GRADING PLAN SHALL BE ON THE PERMITTED SITE WHILE WORK IS IN PROGRESS. PRELIMINARY SOIL AND GEOLOGY REPORTS AND ALL SUBSEQUENT REPORTS AS APPROVED BY THE OC PLANNING,	NOTES TO CONTRACTOR
6)	GRADING SECTION, ARE CONSIDERED A PART OF THE APPROVED GRADING PLAN. THE SOIL ENGINEER AND THE ENGINEERING GEOLOGIST SHALL PERFORM SUFFICIENT INSPECTIONS AND BE AVAILABLE DURING GRADING AND CONSTRUCTION TO VERIFY COMPLIANCE WITH THE PLANS, SPECIFICATIONS AND THE CODE WITHIN THEIR PURVIEW.	1. CONSTRUCTION CONTRACTOR AGREES THA CONSTRUCTION CONTRACTOR WILL BE REC CONDITIONS DURING THE COURSE OF CO PROPERTY; THAT THIS REQUIREMENT SHAI
7) 8)	THE CIVIL ENGINEER SHALL BE AVAILABLE DURING GRADING TO VERIFY COMPLIANCE WITH THE PLANS, SPECIFICATIONS, CODE AND ANY SPECIAL CONDITIONS OF THE PERMIT WITHIN THEIR PURVIEW.	WORKING HOURS, AND CONSTRUCTION CO PROFESSIONAL HARMLESS FROM ANY AND PERFORMANCE OF WORK ON THIS PROJE PROFESSIONAL.
9)	THE ENGINEERING GEOLOGIST AND SOIL ENGINEER SHALL, AFTER CLEARING AND PRIOR TO THE PLACEMENT OF FILL IN CANYONS, INSPECT EACH CANYON FOR AREAS OF ADVERSE STABILITY AND TO DETERMINE THE PRESENCE OR ABSENCE OF SUBSURFACE WATER OR SPRING FLOW. IF NEEDED, SUBDRAINS WILL BE DESIGNED AND CONSTRUCTED PRIOR TO THE PLACEMENT OF FILL IN EACH RESPECTIVE CANYON. SUBDRAIN OUTLETS SHALL BE COMPLETED AT THE BEGINNING OF THE SUBDRAIN CONSTRUCTION.	2. IF THIS PROJECT IS STAKED BY SURVEY THE SIGNATORY ENGINEER, THE SIGNATOR HAVE NO RESPONSIBILITY AS TO THE FIN
9) 10)	THE EXACT LOCATION OF THE SUBDRAINS SHALL BE SURVEYED IN THE FIELD FOR LINE/GRADE AND SHOWN ON AS-GRADED PLANS.	RESPONSIBLE FOR ERRORS OR OMISSION THIS PROJECT, IF THE STAKING HAD BEE
11) 12)	AREAS TO RECEIVE FILL SHALL BE PROPERLY PREPARED AND APPROVED IN WRITING BY THE SOILS ENGINEER AND THE BUILDING OFFICIAL PRIOR TO PLACING FILL. FILLS SHALL BE BENCHED INTO COMPETENT MATERIAL PER OCPW STANDARD PLAN NO. 1322.	3. THE EXISTENCE AND LOCATION OF ANY U OBTAINED BY A SEARCH OF AVAILABLE RI UTILITIES EXCEPT THOSE SHOWN ON THE MEASURES TO PROTECT THE UTILITIES SH
2) 3)	ALL EXISTING FILLS SHALL BE APPROVED BY THE BUILDING OFFICIAL OR REMOVED PRIOR TO PLACING ADDITIONAL FILLS.	PLANS, AND IS RESPONSIBLE FOR THE P
4)	FILLS SHALL BE COMPACTED THROUGHOUT TO A MINIMUM OF 90% RELATIVE DENSITY, AGGREGATE BASE FOR ASPHALTIC AREAS SHALL BE COMPACTED TO MINIMUM OF 95% RELATIVE DENSITY. MAXIMUM DENSITY SHALL BE DETERMINED BY UNIFORM BUILDING CODE STANDARD NO. 70–1 OR APPROVED EQUIVALENT, AND FIELD DENSITY BY UNIFORM BUILDING CODE STANDARD NO. 70–2 OR APPROVED EQUIVALENT.	(46) IN THE CASE OF EMERGENCY, CALL AT WORK PHONE # (949) 742-2101 OR HOME PHONE #
5) c)	CUT AND FILL SLOPES SHALL BE NO STEEPER THAN 2 FOOT HORIZONTAL TO 1 FOOT VERTICAL (2:1) EXCEPT WHERE SPECIFICALLY APPROVED OTHERWISE.	(47) EQUIPMENT AND WORKERS FOR EMERGE SEASON. NECESSARY MATERIALS SHALL
6)	ALL CUT SLOPES SHALL BE INVESTIGATED BOTH DURING AND AFTER GRADING BY THE ENGINEERING GEOLOGIST TO DETERMINE IF ANY SLOPE STABILITY PROBLEM EXISTS. SHOULD EXCAVATION DISCLOSE ANY GEOLOGICAL HAZARDS OR POTENTIAL GEOLOGICAL HAZARDS, THE ENGINEERING GEOLOGIST SHALL SUBMIT RECOMMENDED TREATMENT TO THE BUILDING OFFICAL FOR APPROVAL.	FACILITATE RAPID CONSTRUCTION OF TEN (48) EROSION CONTROL DEVICES SHALL NOT
7)	WHERE SUPPORT OR BUTTRESSING OF CUT AND NATURAL SLOPE IS DETERMINED TO BE NECESSARY BY THE ENGINEERING GEOLOGIST AND SOIL ENGINEER, THE SOIL ENGINEER SHALL SUBMIT DESIGN, LOCATIONS AND CALCULATIONS TO THE BUILDING OFFICAL PRIOR TO CONSTRUCTION. THE ENGINEERING GEOLOGIST AND SOIL ENGINEER SHALL INSPECT AND CONTROL THE CONSTRUCTION OF THE BUTTRESSING AND CERTIFY TO THE STABILITY OF SLOPE AND ADJACENT STRUCTURES UPON COMPLETION.	0FFICIAL. (49) ALL REMOVABLE EROSION PROTECTIVE D THE 5-DAY RAIN PROBABILITY FORECAS
)	WHEN CUT PADS ARE BROUGHT NEAR GRADE, THE ENGINEERING GEOLOGIST SHALL DETERMINE IF THE BEDROCK IS EXTENSIVELY FRACTURED OR FAULTED AND WILL READILY TRANSMIT WATER. IF CONSIDERED NECESSARY BY THE ENGINEERING GEOLOGIST AND SOIL ENGINEER A COMPACTED FILL BLANKET WILL BE PLACED.	(50) AFTER A RAINSTORM, ALL SILT AND DEE(51) GRADED AREAS ON THE PERMITTED ARE
9)))	ALL TRENCH BACKFILLS SHALL BE TESTED AND APPROVED BY THE SOIL ENGINEER PER THE GRADING CODE. ANY EXISTING IRRIGATION LINES AND CISTERNS SHALL BE REMOVED, OR CRUSHED IN PLACE, AND APPROVED BY	 CONCLUSION OF EACH WORKING DAY. (52) THE PERMITTEE AND CONTRACTOR SHALL PREVENT PUBLIC TRESPASS ONTO AREAS
21)	THE BUILDING OFFICIAL AND SOIL ENGINEER. ANY EXISTING WATER WELLS SHOULD BE ABANDONED IN COMPLIANCE WITH THE SPECIFICATIONS APPROVED BY ORANGE COUNTY, HEALTH CARE AGENCY, AND DIVISION OF ENVIRONMENTAL HEALTH.	(53) THE PERMITTEE AND CONTRACTOR SHAL IN ACCORDANCE WITH THE APPROVED P
2)	ANY EXISTING CESSPOOLS AND SEPTIC TANKS SHALL BE ABANDONED IN COMPLIANCE WITH THE UNIFORM PLUMBING CODE TO THE APPROVAL OF OC PLANNING/BUILDING INSPECTION.	ENVIRONMENTAL NOTES
3) 4)	STOCKPILING OF EXCESS MATERIAL SHALL BE APPROVED BY THE BUILDING OFFICAL PRIOR TO EXCAVATION. EXPORT SOIL MUST BE TRANSPORTED TO A LEGAL DUMP OR TO A PERMITTED SITE APPROVED BY THE DISTRICT GRADING INSPECTOR.	(54) THE PERMITTEE SHALL NOTIFY ALL GENER AND PROPERTY OWNERS THAT DUMPING O PROHIBITED.
5) 6)	THE PERMITTEE SHALL COMPLY WITH THE GRADING CODE REQUIREMENTS FOR HAUL ROUTES WHEN AN EXCESS OF 5,000 CUBIC YARDS OR EARTH IS TRANSPORTED TO OR FROM A PERMITTED SITE ON PUBLIC ROADWAYS. THE PERMITTEE IS RESPONSIBLE FOR DUST CONTROL MEASURES.	(55) PERMITTEE SHALL MAINTAIN CONSTRUCTION CARRY WASTES OR POLLUTANTS OFF THE OR LIQUID CHEMICAL SPILLS; WASTES FRO
7)	THE PERMITTEE SHALL GIVE REASONABLE NOTICE TO THE OWNER OF ADJOINING LANDS AND BUILDINGS PRIOR TO BEGINNING EXCAVATIONS WHICH MAY AFFECT THE LATERAL AND SUBJACENT SUPPORT OF THE ADJOINING PROPERTY. THE NOTICE SHALL STATE THE INTENDED DEPTH OF EXCAVATION AND WHEN THE EXCAVATION WILL COMMENCE. THE ADJOINING OWNER SHALL BE ALLOWED AT LEAST 30 DAYS AND REASONABLE ACCESS ON THE PERMITTED PROPERTY TO PROTECT HIS STRUCTURE, IF HE SO DESIRES, UNLESS OTHERWISE PROTECTED BY LAW.	WOOD PRESERVATIVES AND SOLVENTS; AS LUBRICANTS, AND HYDRAULIC, RADIATOR, (CONCRETE WASH WATER; CONCRETE, DETE STEAM CLEANING OR CHEMICAL DEGREASIN CONSTRUCTION, PERMITTEE SHALL DISPOSI
8)	ALL CONCRETE STRUCTURES THAT COME IN CONTACT WITH THE ON-SITE SOILS SHALL BE CONSTRUCTED WITH TYPE V CEMENT, UNLESS DEEMED UNNECESSARY BY SOLUBLE SULPHATE-CONTENT TESTS CONDUCTED BY THE SOIL ENGINEER.	AREA ON-SITE, PHYSICALLY SEPARATED F ACCORDANCE WITH LOCAL, STATE. AND FE
9) 0)	SLOPES EXCEEDING 5 FEET IN HEIGHT SHALL BE PLANTED WITH AN APPROVED PLANT MATERIAL. IN ADDITION, SLOPES EXCEEDING 15 FEET IN HEIGHT SHALL BE PROVIDED WITH AN APPROVED IRRIGATION SYSTEM, UNLESS OTHERWISE APPROVED BY THE BUILDING OFFICIAL. ALL EXISTING DRAINAGE COURSES THROUGH THIS SITE SHALL REMAIN OPEN UNTIL FACILITIES TO HANDLE STORM	(56) PERMITTEE MAY DISCHARGE MATERIAL OTH COMPLETION OF CONSTRUCTION PRACTICES ANY WATER QUALITY STANDARD; CAUSE OF CONTAIN A HAZARDOUS SUBSTANCE IN A AND 302.
1)	WATER ARE APPROVED AND FUNCTIONAL; HOWEVER, IN ANY CASE, THE PERMITTEE SHALL BE HELD LIABLE FOR ANY DAMAGE DUE TO OBSTRUCTING NATURAL DRAINAGE PATTERNS. SANITARY FACILITIES SHALL BE MAINTAINED ON THE SITE.	(57) DEWATERING OF CONTAMINATED GROUNDWA PROHIBITED. DEWATERING OF NON-CONTAMINATION SYSTEM PERMIT FROM THE R
2) 3)	THE LOCATION AND PROTECTION OF ALL UTILITIES IS THE RESPONSIBILITY OF THE PERMITTEE. APPROVED PROTECTIVE MEASURES AND TEMPORARY DRAINAGE PROVISIONS SHALL BE USED TO PROTECT ADJOINING PROPERTIES DURING GRADING.	"SURVEY MONUMENTS SHALL BE PRESERV CONSTRUCTION PURSUANT TO SECTION 87
34)	GRADING OPERATIONS INCLUDING MAINTENANCE OF EQUIPMENT WITHIN ONE-HALF MILE OF A HUMAN OCCUPANCY SHALL NOT BE CONDUCTED BETWEEN THE HOURS OF 8:00 P.M. AND 7:00 A.M. DAILY, ON SUNDAY OR ON A FEDERAL HOLIDAY.	(58) SPECIAL NOTE: SURVEY MONUMENTS SHAL REPLACED AFTER CONSTRUCTION PURSUAN
5)	STOCKPILING AND/OR VEHICLE STAGING AREAS SHALL BE LOCATED AS FAR AS PRACTICABLE FROM DWELLINGS AND WITHIN THE LIMITS OR GRADING PERMIT.	CALIFORNIA CIVIL CODE (SE LATERAL AND SUBJACENT SUPPORT; EXCAVATION
5.	GRADING AND EXCAVATION SHALL BE HALTED DURING PERIODS OF HIGH WINDS. ACCORDING TO AQMD MEASURES F—4, HIGH WINDS ARE DEFINED AS 30 MPH OR GREATER. THIS LEVEL OCCURS ONLY UNDER UNUSUALLY EXTREME CONDITIONS, SUCH AS SANTA ANA WIND CONDITIONS.	EACH COTERMINOUS OWNER IS ENTITLED TO TH THE ADJOINING LAND, SUBJECT TO THE RIGHT EXCAVATIONS ON THE SAME FOR PURPOSES OF
	ASPHALT SECTIONS MUST BE PER CODE: PARKING STALLS = 3" A/C OVER 6" A/B, DRIVES 3: A/C OVER 10" (COMM) 12" (INDUSTRIAL). OR: PRIOR TO ROUGH GRADE RELEASE FOR BUILDING PERMITS BY THE DISTRICT GRADING INSPECTOR. THE SOIL ENGINEER SHALL SUBMIT FOR APPROVAL, PAVEMENT SECTION RECOMMENDATIONS BASED ON "R" VALUE ANALYSIS OF THE SUBGRADE SOILS, AND EXPECTED TRAFFIC INDICES.	1. ANY OWNER OF LAND OR HIS LESSE REASONABLE NOTICE TO THE OWNER STRUCTURES, STATING THE DEPTH TO
3.).	ASPHALT CONCRETE SHALL BE CONSTRUCTED PER THE REQUIREMENTS OF OCPW STANDARD PLAN 1805. AGGREGATE BASE SECTION SHALL BE CONSTRUCTED PER OCPW STANDARD PLAN 1804.	EXCAVATING WILL BEGIN. 2. IN MAKING ANY EXCAVATION, ORDINA TAKEN TO SUSTAIN THE ADJOINING I
•	ROOF GUTTERS SHALL BE INSTALLED TO PREVENT ROOF DRAINAGE FROM FALLING ON MANUFACTURED SLOPES.	STRUCTURE WHICH MAY BE THEREON BUILDING OR OTHER STRUCTURE BY ALLOWED BY LAW.
•	THE CIVIL ENGINEER, AS A CONDITION OF ROUGH GRADE APPROVAL, SHALL PROVIDE A BLUE TOP WITH ACCOMPANYING WITNESS STAKE, SET AT THE CENTER OF EACH PAD REFLECTING THE PAD ELEVATION FOR PRECISE PERMITS AND A BLUE TOP WITH WITNESS STAKE SET AT THE DRAINAGE SWALE HIGH POINT REFLECTING THE HIGH POINT ELEVATION FOR PRELIMINARY PERMITS.	3. IF AT ANY TIME IT APPEARS THE EX FOUNDATIONS OF ANY ADJOINING BU ENDANGER THE BUILDING OR OTHER
2.	PRIOR TO FINAL APPROVAL, THE CIVIL ENGINEER SHALL CERTIFY TO THE BUILDING OFFICIAL THE AMOUNT OF EARTH MOVED DURING THE GRADING OPERATION.	STRUCTURE MUST BE ALLOWED AT L PROTECT THE SAME FROM ANY DAM MUST BE GIVEN FOR THE SAME PUF
•	THE ENGINEERING GEOLOGIST SHALL PERFORM PERIODIC INSPECTIONS AND SUBMIT A COMPLETE REPORT AND MAP UPON COMPLETION OF THE ROUGH GRADING.	EXCAVATION IS TO BE OR IS BEING 4. IF THE EXCAVATION IS INTENDED TO
•	THE GRADING CONTRACTOR SHALL SUBMIT A STATEMENT OF COMPLIANCE TO THE APPROVED GRADING PLAN PRIDR TO FINAL APPROVAL.	WHICH DEPTH IS DEFINED TO BE A POINT WHERE THE JOINT PROPERTY OWNER THERE IS ANY BUILDING OF
	THE COMPACTION REPORT AND APPROVAL FROM THE SOIL ENGINEER SHALL INDICATE THE TYPE OF FIELD TESTING PERFORMED. THE METHOD OF OBTAINING THE IN-PLACE DENSITY SHALL BE IDENTIFIED WHETHER SAND CONE, DRIVE RING, OR NUCLEAR, AND SHALL BE NOTED FOR EACH TEST. SUFFICIENT MAXIMUM DENSITY DETERMINATIONS SHALL BE PERFORMED TO VERIFY THE ACCURACY OF THE MAXIMUM DENSITY CURVES USED BY THE FIELD TECHNICIAN.	STANDARD DEPTH OR DEEPER THAN SHALL, IF GIVEN THE NECESSARY LIG LAND AND ANY SUCH BUILDING OR FROM ANY DAMAGE BY REASON OF PROPERTY FOR ANY SUCH DAMAGE,
•	IN THE EVENT THAT SOIL CONTAMINATION IS DISCOVERED DURING EXCAVATION AND REMOVAL OF AN EXISTING TANK, WORK SHALL BE STOPPED UNTIL A SITE ASSESSMENT AND MITIGATION PLAN HAS BEEN PREPARED, SUBMITTED AND APPROVED BY HCA/ENVIRONMENTAL HEALTH AND OC PLANNING/GRADING.	OTHER STRUCTURES.
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SHEET INDEX TITLE SHEET PRECISE GRADING SECTIONS AND DE DETAILS (2) EROSION CONTRO

NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM (NPDES)

- REES THAT IN ACCORDANCE WITH GENERALLY ACCEPTED CONSTRUCTION PRACTICES, 1. IN THE CASE OF EMERGENCY, CALL <u>STEVE MARSH</u> AT WORK PHONE # (949) 742-2101 L BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE C ALL DEPROVED AND OF THE PROVECT INCLUDING SAFETY OF ALL DEPROVIS AND
 - 2. SEDIMENT FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING STRUCTURAL CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE.
 - STOCKPILES OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE STREETS, DRAINAGE FACILITIES OR ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TACKING, OR WIND.
 - . APPROPRIATE BMP'S FOR CONSTRUCTION-RELATED MATERIALS, WASTES, AND SPILLS SHALL BE IMPLEMENTI MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTIES BY OR RUNOFF.
 - RUNOFF FROM EQUIPMENT AND VEHICLE WASHING SHALL BE CONTAINED AT CONSTRUCTION SITES UNLESS TREATED TO REDUCE OR REMOVE SEDIMENT AND OTHER POLLUTANTS.
 - ALL CONSTRUCTION CONTRACTOR AND SUBCONTRACTOR PERSONNEL ARE TO BE MADE AWARE OF THE REG BEST MANAGEMENT PRACTICES AND GOOD HOUSEKEEPING MEASURES FOR THE PROJECT SITE AND ANY ASSOCIATED CONSTRUCTION STAGING AREAS.
 - 7. AT THE END OF EACH DAY OF CONSTRUCTION ACTIVITY ALL CONSTRUCTION DEBRIS AND WASTE MATERIALS BE COLLECTED AND PROPERLY DISPOSED IN TRASH OR RECYCLE BINS.
 - CONSTRUCTION SITES SHALL BE MAINTAINED IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NO CARRY WASTES OR POLLUTANTS OFF THE SITE. DISCHARGES OF MATERIAL OTHER THAN STORMWATER O WHEN NECESSARY FOR PERFORMANCE AND COMPLETION OF CONSTRUCTION PRACTICES AND WHERE THEY NOT: CAUSE OR CONTRIBUTE TO A VIOLATION OF ANY WATER QUALITY STANDARD; CAUSE OR THREATEN CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR CONTAIN A HAZARDOUS SUBSTANCE IN A QUANTIT REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117 & 302.
 - 9. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID OR LIQUID CHEMICAL SPILLS: WASTES F PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, WOOD PRESERVATIVES AND SOLVENTS ASBESTOS FIBERS, PAINT FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, LUBRICANTS, AND HYDRAULIC, RADIATOR OR BATTERY FLUIDS; FERTILIZERS, VEHICLES/EQUIPMENT WASH WATER AND CONCRETE WASH W CONCRETE, DETERGENT OR FLOATABLE WASTES; WASTES FROM ANY ENGINE/EQUIPMENT STEAM CLEANING CHEMICAL DEGREASING; AND SUPER-CHLORINATED POTABLE WATER LINE FLUSHING.
 - DURING CONSTRUCTION, PERMITTEE SHALL DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLE TEMPORARY AREA ON SITE, PHYSICALLY SEPARATED FROM POTENTIAL STORM WATER RUNOFF, WITH ULTIN DISPOSAL IN ACCORDANCE WITH LOCAL, STATE AND FEDERAL REQUIREMENTS.
 - 10. DEWATERING OF CONTAMINATED GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSI PROHIBITED. DEWATERING OF NON-CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISC ELIMINATION SYSTEM PERMIT FROM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD.
 - 11. GRADED AREAS ON THE PERMITTED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT T CONCLUSION OF EACH WORKING DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
 - 12. THE PERMITTEE AND CONTRACTOR SHALL BE RESPONSIBLE AND TAKE NECESSARY PRECAUTIONS TO PREVEI PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
 - 13. THE PERMITTEE AND CONTRACTOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WIN ACCORDANCE WITH THE APPROVED PLANS.
 - 14. THE PERMITTEE SHALL NOTIFY ALL GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESS AND PROPERTY OWNERS: THAT DUMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATER PROHIBITED.
 - 15. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE SEASON. NECESSARY MATERIALS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATI FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.
 - 16. ALL REMOVABLE EROSION PROTECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY THE 5-DAY RAIN PROBABILITY FORECAST EXCEEDS 40%.
 - 17. SEDIMENTS FROM AREAS DISTURBED BY CONSTRUCTION SHALL BE RETAINED ON SITE USING AN EFFECTIVE COMBINATION OF EROSION AND SEDIMENT CONTROLS TO THE MAXIMUM EXTENT PRACTICABLE, AND STOCI OF SOIL SHALL BE PROPERLY CONTAINED TO MINIMIZE SEDIMENT TRANSPORT FROM THE SITE TO THE S DRAINAGE FACILITIES OF ADJACENT PROPERTIES VIA RUNOFF, VEHICLE TRACKING, OR WIND.
 - APPROPRIATE BMPS FOR CONSTRUCTION-RELATED MATERIALS, WASTES, SPILLS OR RESIDUES SHALL BE IMPLEMENTED AND RETAINED ON SITE TO MINIMIZE TRANSPORT FROM THE SITE TO STREETS, DRAINAGE FACILITIES, OR ADJOINING PROPERTY BY WIND OR RUNOFF.



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L BE REQUIRED TO ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE E OF CONSTRUCTION OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND ENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL 2. CTION CONTRACTOR FURTHER AGREES TO DEFEND, INDEMNIFY AND HOLD DESIGN ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE S PROJECT, EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF DESIGN 3.

SURVEY CREWS OTHER THAN THOSE CREWS UNDER THE DIRECT SUPERVISION OF SIGNATORY ENGINEER WILL NO LONGER BE THE ENGINEER OF RECORD AND WILL THE FINAL CONSTRUCTED PROJECT. THE SIGNATORY ENGINEER WILL NOT BE OMISSIONS THAT COULD HAVE BEEN CORRECTED DURING THE CONSTRUCTION OF HAD BEEN DONE BY SURVEY CREWS UNDER HIS DIRECT SUPERVISION. 5.

OF ANY UNDERGROUND UTILITIES OR STRUCTURES SHOWN ON THESE PLANS ARE NLABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO EXISTING I ON THESE PLANS. THE CONTRACTOR IS REQUIRED TO TAKE ALL PRECAUTIONARY ILITIES SHOWN, AND ANY OTHER LINES OR STRUCTURES NOT SHOWN ON THESE OR THE PROTECTION OF, AND ANY DAMAGE TO, THESE LINES OR STRUCTURES.

CALL <u>STEVE MARSH</u> 2–2101 (24 HR)___

EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY LS SHALL BE AVAILABLE ON SITE AND STOCKPILED AT CONVENIENT LOCATIONS TO N OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.

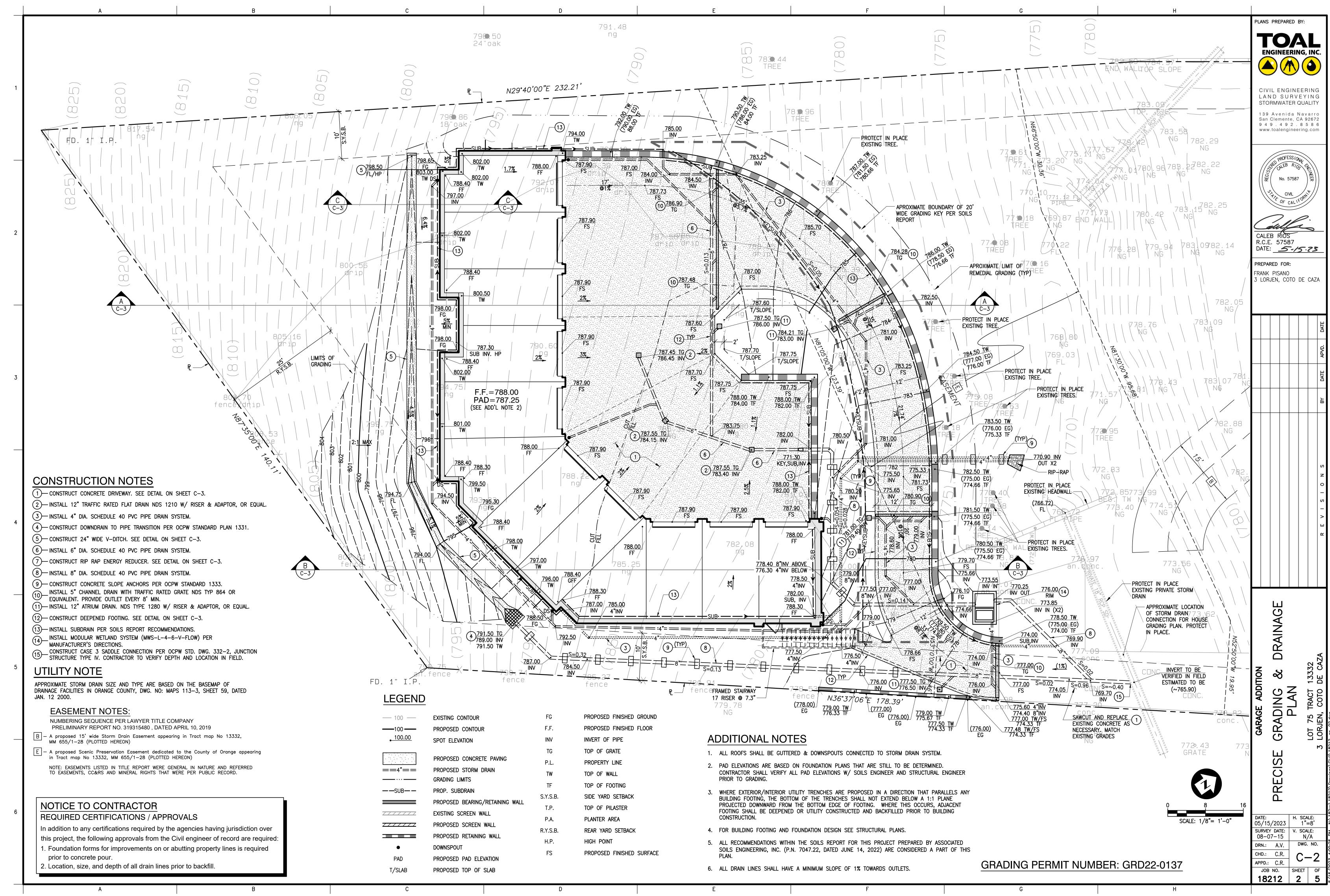
- HALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE BUILDING
- FECTIVE DEVICES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN FORECAST EXCEEDS 40%.
- AND DEBRIS SHALL BE REMOVED FROM STREETS, CHECK BERMS AND BASINS.
- ITED AREA PERIMETER MUST DRAIN AWAY FROM THE FACE OF SLOPES AT THE G DAY. DRAINAGE IS TO BE DIRECTED TOWARD DESILTING FACILITIES.
- TOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO NTO AREAS WHERE IMPOUNDED WATER CREATES A HAZARDOUS CONDITION.
- FOR SHALL INSPECT THE EROSION CONTROL WORK AND INSURE THAT THE WORK IS PROVED PLANS.
- L GENERAL CONTRACTORS, SUBCONTRACTORS, MATERIAL SUPPLIERS, LESSEESS, JMPING OF CHEMICALS INTO THE STORM DRAIN SYSTEM OR THE WATERSHED IS
- STRUCTION SITE IN SUCH A CONDITION THAT AN ANTICIPATED STORM DOES NOT OFF THE SITE. POTENTIAL POLLUTANTS INCLUDE BUT ARE NOT LIMITED TO: SOLID STES FROM PAINTS, STAINS, SEALANTS, GLUES, LIMES, PESTICIDES, HERBICIDES, ENTS; ASBESTOS FIBERS, PAINTS FLAKES OR STUCCO FRAGMENTS; FUELS, OILS, DIATOR, OR BATTERY FLUIDS; FERTILIZERS, VEHICLE/EQUIPMENT WASH WATER AND ETE, DETERGENT OR FLOATABLE WATES; WASTES FROM ANY ENGINE/EQUIPMENT DEGREASING; AND SUPERCHLORINATED POTABLE WATER LINE FLUSHINGS. DURING L DISPOSE OF SUCH MATERIALS IN A SPECIFIED AND CONTROLLED TEMPORARY ARATED FROM POTENTIAL STORMWATER RUNOFF, WITH ULTIMATE DISPOSAL IN . AND FEDERAL REQUIREMENTS.
- ERIAL OTHER THAN STORMWATER ONLY WHEN NECESSARY FOR PERFORMANCE AND PRACTICES AND WHERE THEY DO NOT: CAUSE OR CONTRIBUTE TO A VIOLATION OF CAUSE OR THREATEN TO TO CAUSE POLLUTION, CONTAMINATION, OR NUISANCE; OR NCE IN A QUANTITY REPORTABLE UNDER FEDERAL REGULATIONS 40 CFR PARTS 117
- GROUNDWATER, OR DISCHARGING CONTAMINATED SOILS VIA SURFACE EROSION IS N-CONTAMINATED GROUNDWATER REQUIRES A NATIONAL POLLUTANT DISCHARGE OM THE RESPECTIVE STATE REGIONAL WATER QUALITY CONTROL BOARD. (58) PRESERVED AND REFERENCED BOFORE CONSTRUCTION AND REPLACED AFTER ECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE.

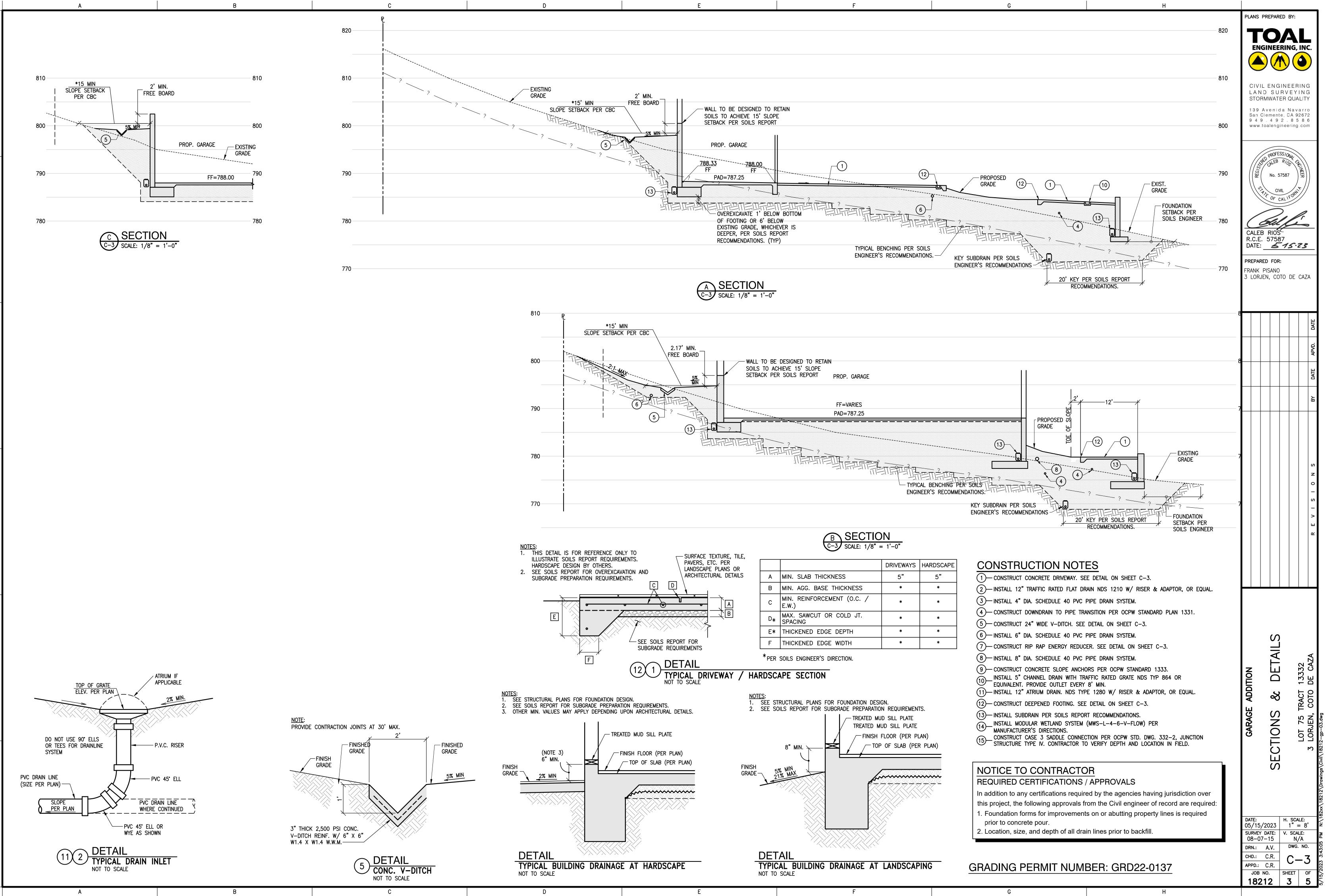
NTS SHALL BE PRESERVED AND REFERENCED BEFORE CONSTRUCTION AND PURSUANT TO SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE.

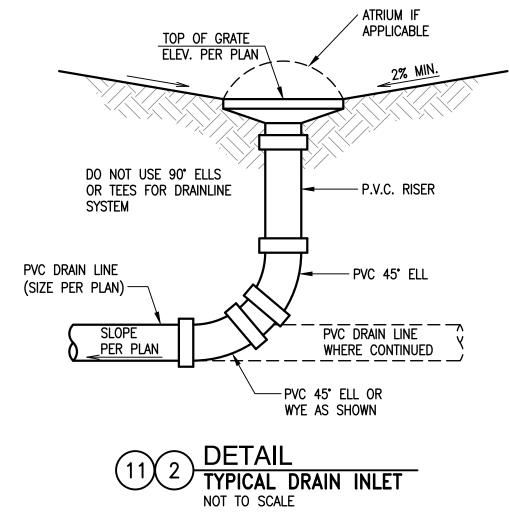
- XCAVATION; DEGREE OF CARE; DAMAGES; PROTECTION OF OTHER STRUCTURES.
- ED TO THE LATERAL AND SUBJACENT SUPPORT WHICH HIS LAND RECEIVES FROM IE RIGHT OF THE OWNER OF THE ADJOINING LAND TO MAKE PROPER AND USUAL POSES OF CONSTRUCTION OR IMPROVEMENT, UNDER THE FOLLOWING CONDITIONS:
- HIS LESSEE INTENDING TO MAKE OR TO PERMIT AN EXCAVATION SHALL GIVE IE OWNER OR OWNERS OF ADJOINING LANDS AND OF BUILDINGS OR OTHER DEPTH TO WHICH SUCH EXCAVATION IS INTENDED TO BE MADE, AND WHEN THE
- N, ORDINARY CARE AND SKILL SHALL BE USED, AND REASONABLE PRECAUTIONS DIOINING LAND AS SUCH, WITHOUT REGARD TO ANY BUILDING OR OTHER THEREON, AND THERE SHALL BE NO LIABILITY FOR DAMAGE DONE TO ANY SUCH DTURE BY REASON OF THE EXCAVATION, EXCEPT AS OTHERWISE PROVIDED OR
- S THE EXCAVATION IS TO BE OF A GREATER DEPTH THAN ARE THE WALLS OR DINING BUILDING OR OTHER STRUCTURE AND IS TO BE SO CLOSE AS TO OR OTHER STRUCTURE IN ANY WAY, THEN THE OWNER OF THE BUILDING OR OTHER WED AT LEAST 30 DAYS IF HE SO DESIRES, IN WHICH TO TAKE MEASURES TO ANY DAMAGE, OR IN WHICH TO EXTEND THE FOUNDATIONS THEREOF, AND HE SAME PURPOSE REASONABLE LICENSE TO ENTER ON THE LAND ON WHICH THE IS BEING MADE.
- NDED TO BE OR IS DEEPER THAN THE STANDARD DEPTH OF FOUNDATIONS, TO BE A DEPTH OF *** NINE FEET BELOW THE ADJACENT CURB LEVEL, AT THE ROPERTY LINE INTERSECTS THE CURB AND IF ON THE LAND OF THE COTERMINOUS ILDING OR OTHER STRUCTURE THE WALL OR FOUNDATION OF WHICH GOES TO PER THAN THE OWNER OF THE LAND ON WHICH THE EXCAVATION IS BEING MADE SSARY LICENSE TO ENTER THE ADJOINING LAND, PROTECT THE SAID ADJOINING DING OR OTHER STRUCTURE THEREON WITHOUT COST TO THE OWNER THEREOF, ASON OF THE EXCAVATION, AND SHALL BE LIABLE TO THE OWNER OF SUCH DAMAGE, EXCEPTING ONLY FOR MINOR SETTLEMENT CRACKS IN BUILDINGS OR

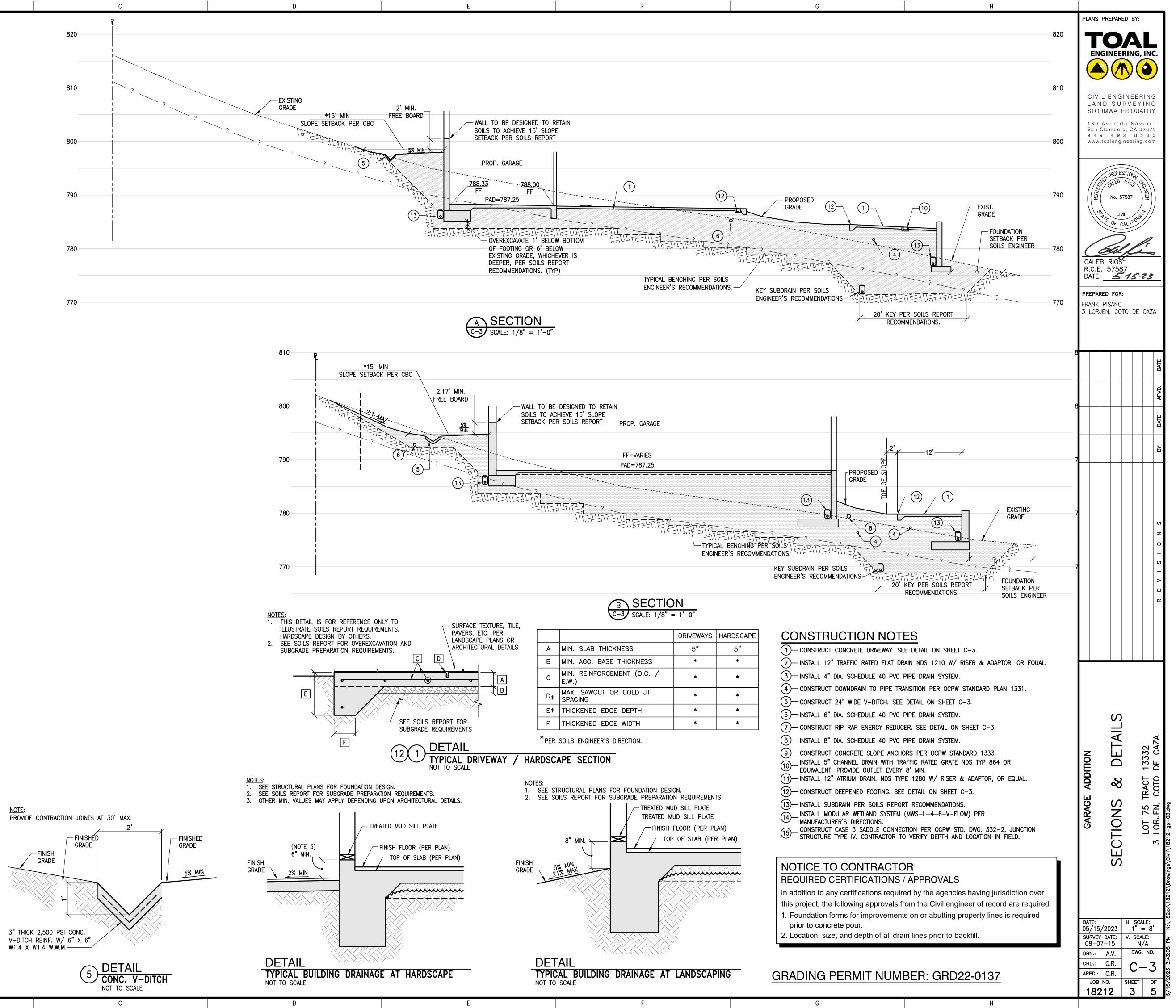
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<u> </u>			DEVE	LOPME	ENT S	TATIST	ICS		PLANS	PREPARE	D BY:	
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		C-4 C-5		-PROJECT	MFNT	0 AC.	0 S 8,230 S				y (リ
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TE TA	OVEREXCA	VATION/RECOMPAC	TION	3,000 CY	3,00	0 CY					SIONAL RIOS CIL	\mathbf{X}
TE TO	IMPORT TOTAL			335 CY 3,760 CY		0 CY			REG/S/S	No. 57	系	<u>,</u>))
nted to Y wind	CONSTRU									CIVIL	L]]
SS		ONCRETE DRIVEWAY		L ON SHEET	C-3		A	715 <u>S</u> F		ATE OF CA	ALIFON	_
	$\overline{\mathbf{a}}$	RAFFIC RATED FLAT					-	3 EA.		711	II.	
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	INSTALL 5" CH	ONCRETE SLOPE AN ANNEL DRAIN WITH	I TRAFFIC RA	ATED GRATE N	UARD 133 NDS TYP 8	5 664 OR		18 EA. 70 F				
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, WATER; NG OR	(12)— CONSTRUCT DE											DATE
	(13)—INSTALL SUBDR	AIN PER SOILS RI AR WETLAND SYST	EPORT RECO TEM (MWS-L	MMENDATIONS -4-6-V-FI O	 W) PER		4	20 L.F.				APVD.
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	SITE SPEC	IFIC DATA		
PROJECT NUMBE	R	18212		
PROJECT NAME		3 Lorjen		
PROJECT LOCATI	ON	Coto De Caza		
STRUCTURE ID				
	TREATMENT	REQUIRED		
VOLUME B	ASED (CF)	FLOW BASED (CFS)		
N,	/A	0.071		
PEAK BYPASS R	EQUIRED (CFS) –	IF APPLICABLE .5		
PIPE DATA	<i>I.E</i> .	MATERIAL	DIAMETER	
INLET PIPE 1	775.00	PVC	8"	
INLET PIPE 2	772.40	PVC	8"	
OUTLET PIPE	771.70	PVC	8″	
	PRETREATMENT	BIOFILTRATION	DISCHARGE	
RIM ELEVATION		776.00		
SURFACE LOAD	PEDESTRIAN			
FRAME & COVER	24" X 42"	OPEN PLANTER	N/A	

* PRELIMINARY NOT FOR CONSTRUCTION

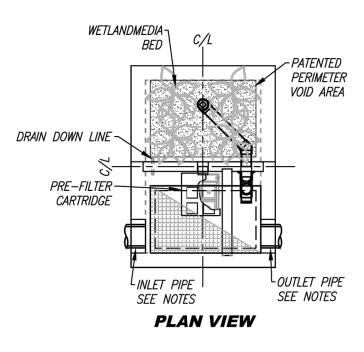
INSTALLATION NOTES

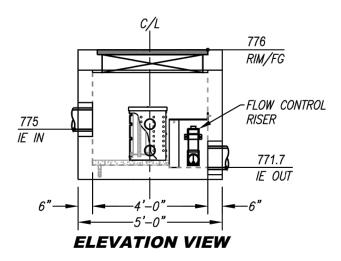
- CONTRACTOR TO PROVIDE ALL LABOR, EQUIPMENT, MATERIALS AND INCIDENTALS REQUIRED TO OFFLOAD AND INSTALL THE SYSTEM AND APPURTENANCES IN ACCORDANCE WITH THIS DRAWING AND THE MANUFACTURERS SPECIFICATIONS, UNLESS OTHERWISE STATED IN MANUFACTURERS CONTRACT.
- UNIT MUST BE INSTALLED ON LEVEL BASE. MANUFACTURER RECOMMENDS A MINIMUM 6" LEVEL ROCK BASE UNLESS SPECIFIED BY THE PROJECT ENGINEER. CONTRACTOR IS RESPONSIBLE TO VERIFY PROJECT ENGINEERS RECOMMENDED BASE SPECIFICATIONS.
- CONTRACTOR TO SUPPLY AND INSTALL ALL EXTERNAL CONNECTING PIPES. ALL PIPES MUST BE FLUSH WITH INSIDE SURFACE OF CONCRETE. (PIPES CANNOT INTRUDE BEYOND FLUSH). INVERT OF OUTFLOW PIPE MUST BE FLUSH WITH DISCHARGE CHAMBER FLOOR. ALL PIPES SHALL BE SEALED WATER TIGHT PER MANUFACTURERS STANDARD CONNECTION DETAIL.
- CONTRACTOR RESPONSIBLE FOR INSTALLATION OF ALL RISERS, MANHOLES, AND HATCHES. CONTRACTOR TO GROUT ALL MANHOLES AND HATCHES TO MATCH FINISHED SURFACE UNLESS SPECIFIED OTHERWISE. VEGETATION SUPPLIED AND INSTALLED BY OTHERS. ALL UNITS WITH VEGETATION MUST HAVE DRIP OR SPRAY IRRIGATION SUPPLIED AND
- INSTALLED BY OTHERS. CONTRACTOR RESPONSIBLE FOR CONTACTING BIO CLEAN FOR ACTIVATION OF UNIT. MANUFACTURERS WARRANTY IS VOID WITH OUT PROPER ACTIVATION BY A BIO CLEAN REPRESENTATIVE.

GENERAL NOTES

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MANUFACTURER TO PROVIDE ALL MATERIALS UNLESS OTHERWISE NOTED. ALL DIMENSIONS, ELEVATIONS, SPECIFICATIONS AND CAPACITIES ARE SUBJECT TO CHANGE. FOR PROJECT SPECIFIC DRAWINGS DETAILING EXACT DIMENSIONS, WEIGHTS AND ACCESSORIES PLEASE CONTACT BIO CLEAN.



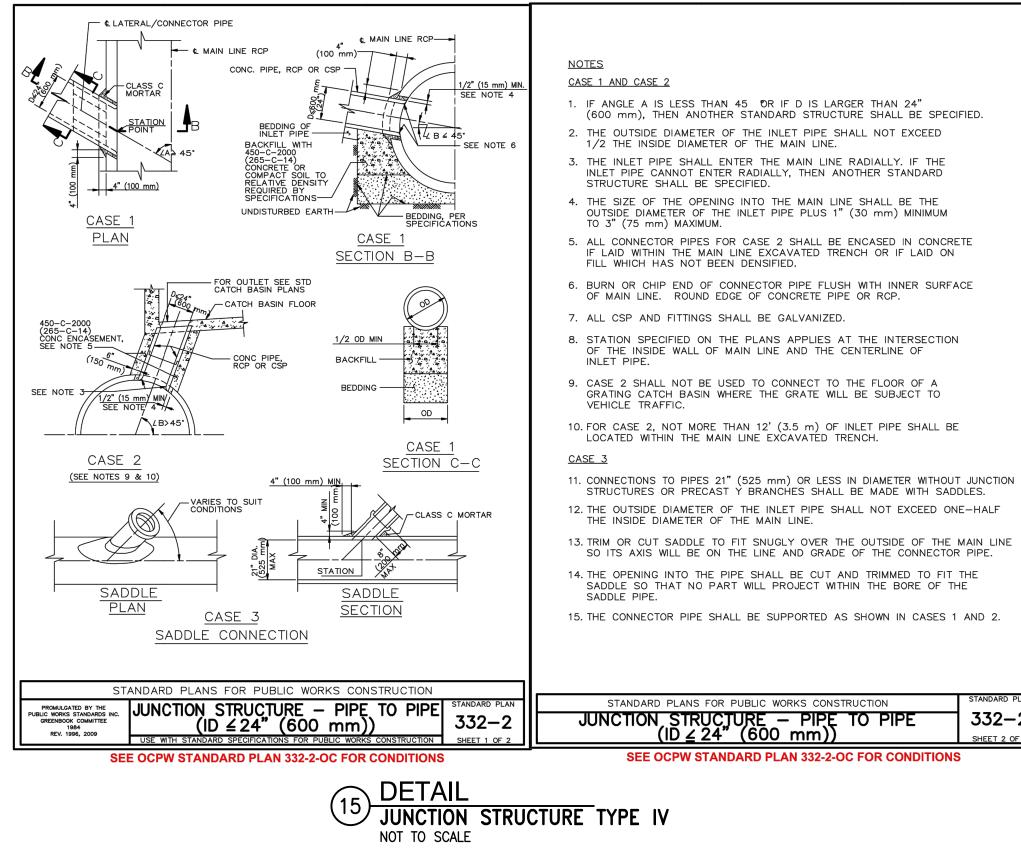


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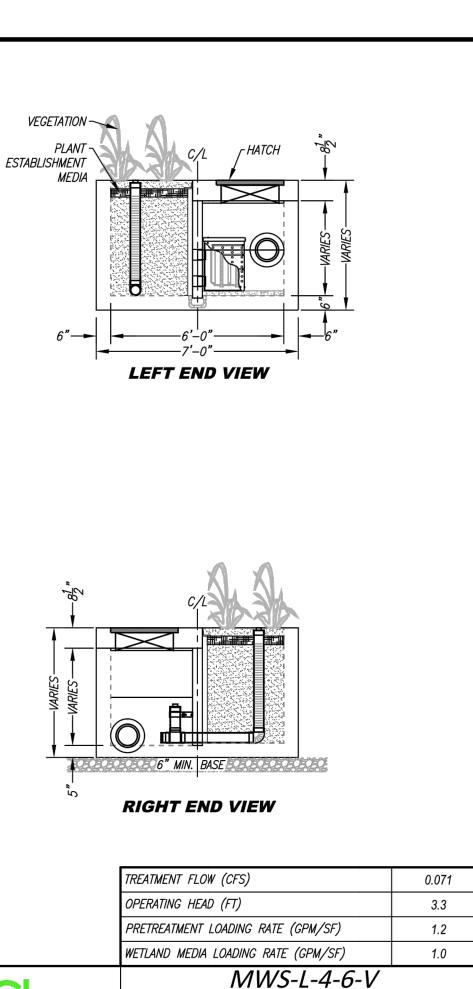
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MODULAR WETLAND SYSTEM MWS-L-4-6-V NOT TO SCALE



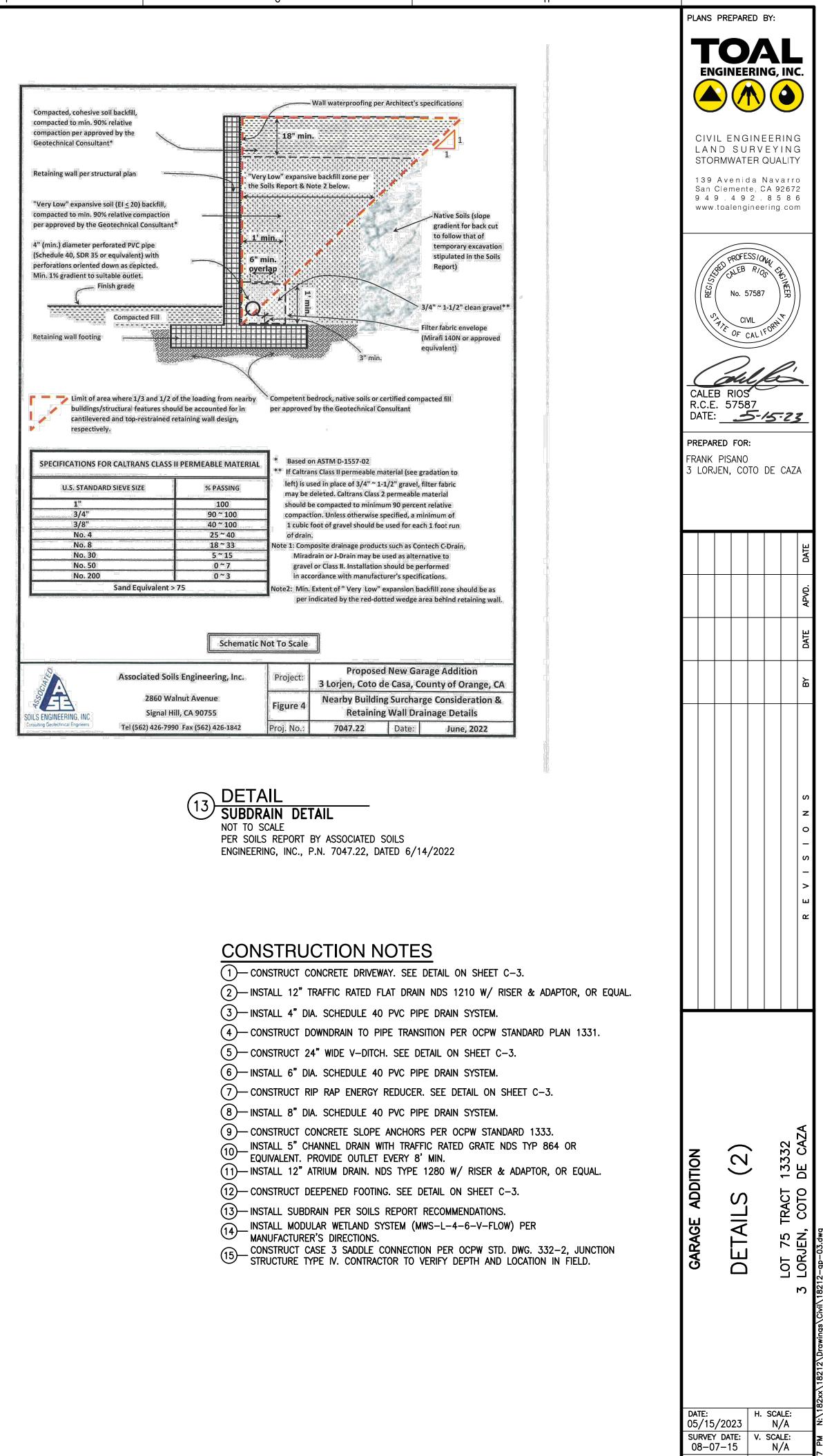






STORMWATER BIOFILTRATION SYSTEM

STANDARD DETAIL



A Forterra Company

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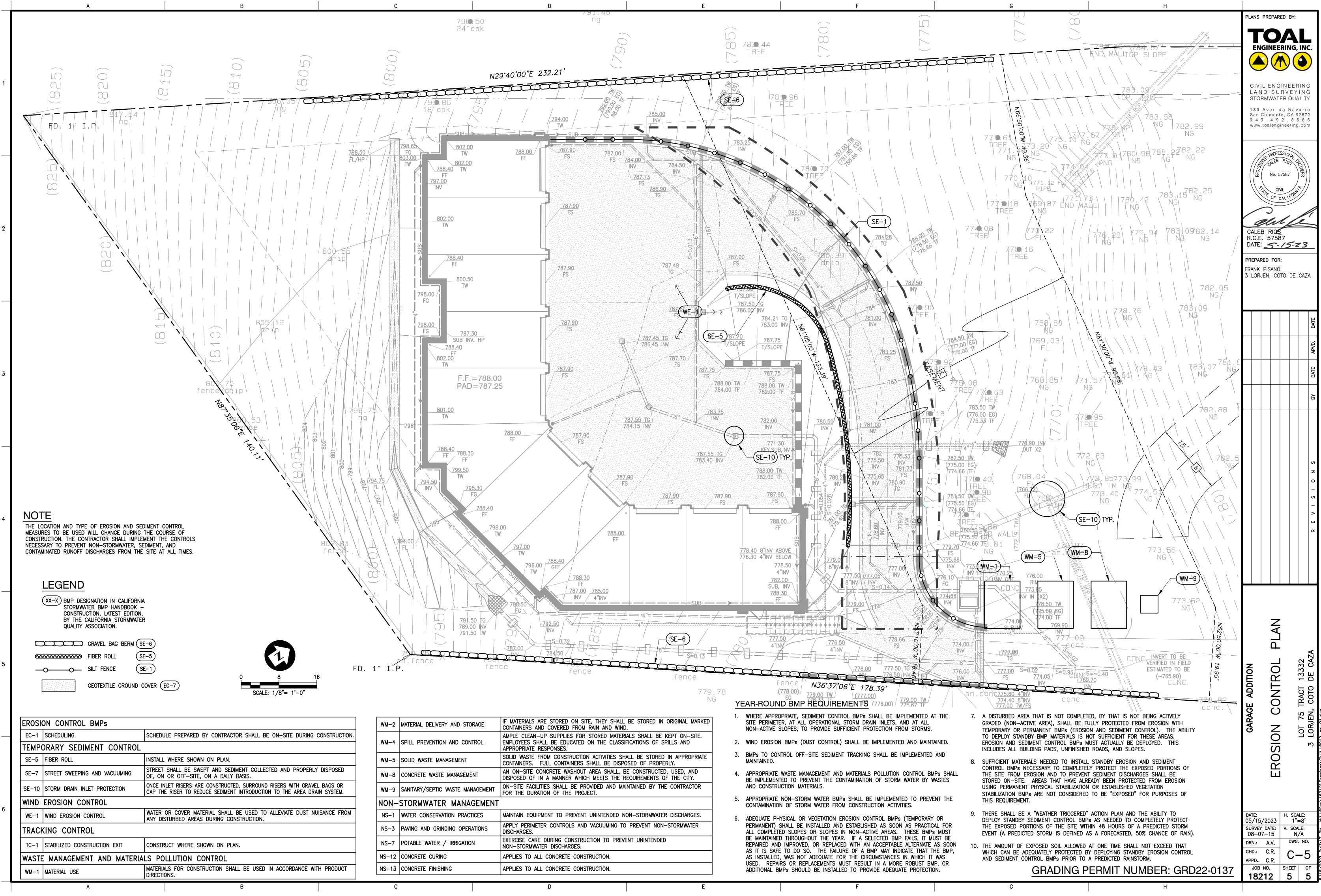
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DRN.: A.V.

CHD.: C.R.

APPD.: C.R. JOB NO.



	Δ	В
WM-1	MATERIAL USE	MATERIALS FOR CONSTRUCTION SHALL BE USED IN ACCORDANCE WITH PRODUCT DIRECTIONS.
WASTE	MANAGEMENT AND MATERIA	LS POLLUTION CONTROL
TC-1	STABILIZED CONSTRUCTION EXIT	CONSTRUCT WHERE SHOWN ON PLAN.
TRAC	KING CONTROL	
WE-1	WIND EROSION CONTROL	WATER OR COVER MATERIAL SHALL BE USED TO ALLEVIATE DUST NUISANCE FROM ANY DISTURBED AREAS DURING CONSTRUCTION.
WIND	EROSION CONTROL	
SE-10	STORM DRAIN INLET PROTECTION	ONCE INLET RISERS ARE CONSTRUCTED, SURROUND RISERS WITH GRAVEL BAGS OR CAP THE RISER TO REDUCE SEDIMENT INTRODUCTION TO THE AREA DRAIN SYSTEM.
SE-7	STREET SWEEPING AND VACUUMING	STREET SHALL BE SWEPT AND SEDIMENT COLLECTED AND PROPERLY DISPOSED OF, ON OR OFF-SITE, ON A DAILY BASIS.
SE-5	FIBER ROLL	INSTALL WHERE SHOWN ON PLAN.
TEMP	ORARY SEDIMENT CONTROL	
EC-1	SCHEDULING	SCHEDULE PREPARED BY CONTRACTOR SHALL BE ON-SITE DURING CONSTRUCTION.
ERO2I	ON CONTROL BMPs	

WM-2	MATERIAL DELIVERY
WM-4	SPILL PREVENTION
WM-5	SOLID WASTE MANA
WM-8	CONCRETE WASTE
WM-9	SANITARY/SEPTIC V
NON-	STORMWATER
	STORMWATER
NS-1	
NS-1	WATER CONSERVATI PAVING AND GRIND
NS-1 NS-3	WATER CONSERVATI PAVING AND GRIND POTABLE WATER /
NS-1 NS-3 NS-7	WATER CONSERVATI PAVING AND GRIND POTABLE WATER /