VICINITY MAP

### **ABBREVIATIONS**

AB AC AD D BFP BW CC C C D D D G D D D D D E E E E E E E E E E E E E E E	AGGREGATE BASE ASPHALT CONCRETE AREA DRAIN ATRIUM DRAIN BACK FLOW PREVENTION DEVICE BOTTOM OF WALL ELEVATION CATCH BASIN CENTER LINE CRAWL SPACE ELEVATION CAST IRON PIPE CONCRETE DECK DRAIN DOUBLE DETECTOR CHECK VALVE DECOMPOSED GRANITE DUCTILE IRON PIPE ROOF DOWN SPOUT DRIVEWAY EXISTING ELECTRICAL ELECTRICAL ELECTRICAL METER EDGE OF PAVEMENT FACE OF CURB ELEVATION FINISHED FLOOR ELEVATION FINISHED FLOOR ELEVATION FINISHED BROUND ELEVATION FINISHED SURFACE ELEVATION FINISHED SURFACE ELEVATION FINISHED PAVEMENT ELEVATION FINISHED PAVEMENT ELEVATION FINISHED PAVEMENT ELEVATION FINISHED PAVEMENT ELEVATION FINISHED BREAK GAS METER GRATE ELEVATION GATE VALVE HIGH POINT HEATED WATER LINE PIPE INVERT ELEVATION JOINT TRENCH JOINT POLE LANDSCAPE DRAIN LINEAR FEET LOW POINT NEW POST INDICATOR VALVE POINT OF CONNECTION RIM ELEVATION SLOPE SEE ARCHITECTURAL PLANS STORM SUB DRAIN STORM SUB DRAIN STORM DRAIN SEE LANDSCAPE PLANS SEE PLUMBING PLANS SANITARY SEWER
SICB SLP SPP SS	SIDE INLET CATCH BASIN SEE LANDSCAPE PLANS SEE PLUMBING PLANS SANITARY SEWER
W WM	DOMESTIC WATER LINE WATER METER

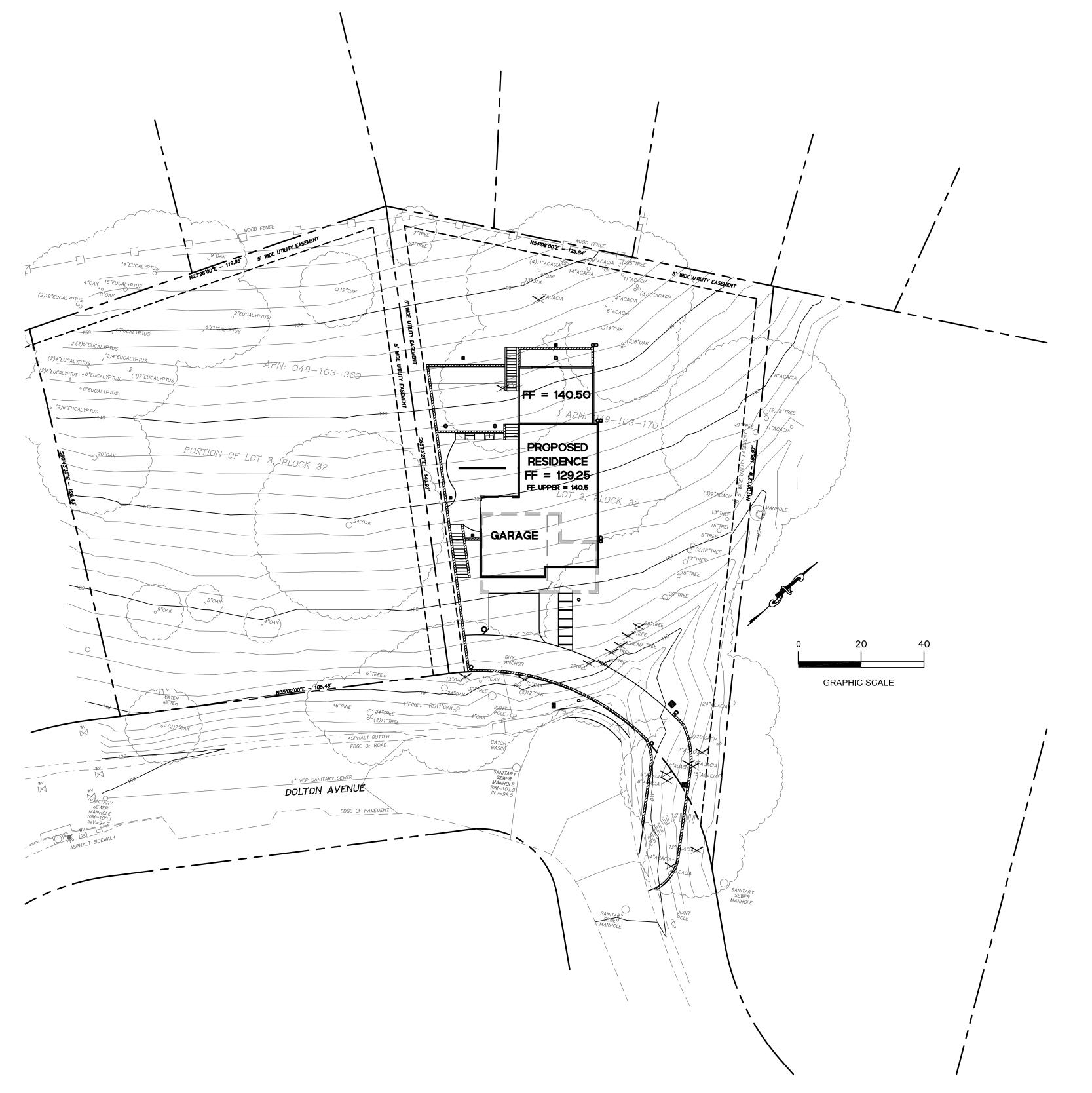
### EARTHWORK QUANTITIES

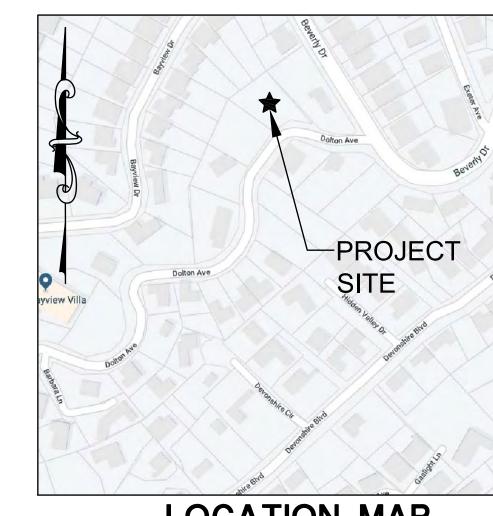
K QUANTITIES	•	
	QUANTITY BREA	AKDOWN:
670 C.Y.	BUILDINGS:	
225 C.Y.	CUT	225 C.
895 C Y	FILL	25 C.\
	SITE WORK:	
,	CUT	445 C.Y
	FILL	200 C.Y
<u>D):</u>		
445 C.Y.		
200 C.Y.		
645 C.Y.		
245 C.Y. CUT (OFF-HAUL)		
	670 C.Y. 225 C.Y. 895 C.Y. 445 C.Y. CUT (OFF-HAUL) DING AND D): 445 C.Y. 200 C.Y. 645 C.Y.	QUANTITY BREA  670 C.Y.  225 C.Y.  895 C.Y.  445 C.Y. CUT (OFF-HAUL)  DING AND D):  445 C.Y.  200 C.Y.  645 C.Y.

EARTHWORK QUANTITIES SHOWN ABOVE ARE FOR PLANNING PURPOSES ONLY.
CONTRACTOR SHALL CALCULATE THEIR OWN EARTHWORK QUANTITIES, AND USE
THEIR CALCULATIONS FOR BIDDING AND COST ESTIMATING PURPOSES.

## NEW RESIDENCE 108 DOLTON AVENUE

SAN CARLOS (SMCO), CA 94070





LOCATION MAP N.T.S.

EXISTING	PROPOSED	<u>LEGEND</u> .
SS	<u></u>	SANITARY SEWER
———SD———	——SD——	STORM DRAIN
		STORM SUB-DRAIN (PERFORATED PIPE)
		TRANSITION FROM PERF. PIPE TO SOLID F
— FM	— <u>FM</u> >—	FORCE MAIN
FW	— <u>[FW]</u> —	FIRE WATER LINE
W	W	DOMESTIC WATER SERVICE
	——————————————————————————————————————	IRRIGATION SERVICE
——————————————————————————————————————	—— GAS ——	NATURAL GAS
——E——	——E——	ELECTRIC
JT	JT	JOINT TRENCH
×	<b></b>	FENCE
0	0	CLEAN OUT
	<b>@</b> •• <b>©</b>	DOUBLE DETECTOR CHECK VALVE
	•	POST INDICATOR VALVE
$\otimes$	8	VALVE
$\boxtimes$	$\boxtimes$	METER BOX
•———	<b>-</b> \$	STREET LIGHT
	•	AREA DRAIN
		CATCH BASIN
8		FIRE HYDRANT
$\Diamond$	Ö	FIRE DEPARTMENT CONNECTION
	<del>****</del> ********************************	BENCHMARK
	6)	MANHOLE
0	ھ	SIGN
•	•	DOWNSPOUT
$\Rightarrow$	$\Rightarrow$	SPLASH BLOCK
		CONTOURS
		PROPERTY LINE
		SETBACK
		GRASS SWALE
		RETAINING WALL/ BUILDING STEMWALL
	×	(E) TREE TO BE REMOVED

### SHEET INDEX

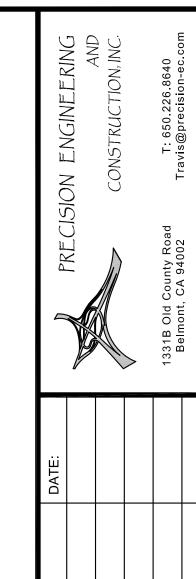
SHEET NO.	DESCRIPTION
C-0	TITLE SHEET
C-1	NOTES SHEET
C-2	GRADING AND UTILITY PLAN
C-3	EROSION AND SEDIMENT CONTROL PLA
C-3.1	BEST MANAGEMENT PRACTICES (BMPs)
C-3.2	TREE PROTECTION PLAN
C-4	DETAIL SHEET
C-4.1	DETAIL SHEET

DETAIL SHEET

### **HYDROLOGY**

(E) IMPERVIOUS AREA	(N) IMPERVIOUS AREA	REQUIRED STORAGE VOL.	STORAGE VOL. PROVIDED
0 SF	4,167 SF	250 CF	251 CF







DENCE ON AVENUE

Date:

05/21/2024

Scale:

AS SHOWN

ign:

AJP

ing Number:

PEC Job No.

PEC 24-034

- 2. CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FOR LOCATION OF UNDERGROUND UTILITIES AT LEAST 48 HOURS PRIOR TO COMMENCEMENT OF CONSTRUCTION- PHONE (800) 642-2444. CONTRACTOR SHALL VERIFY ALL EXISTING UTILITIES AND SHALL CLEARLY MARK (AND THEN PRESERVE THESE MARKERS) FOR THE DURATION OF CONSTRUCTION OF ALL TELEPHONE, DATA, STREET LIGHT, SIGNAL LIGHT AND POWER FACILITIES THAT ARE IN OR NEAR THE AREA OF CONSTRUCTION PRIOR TO BEGINNING ANY WORK ON THIS SITE.
- 3. THESE DRAWINGS DO NOT ADDRESS CONTRACTOR MEANS AND METHODS OF CONSTRUCTION OR PROCESSES THAT MAY BE ASSOCIATED WITH ANY TOXIC SOILS IF FOUND ON SITE. THE CONTRACTOR IS RESPONSIBLE FOR COMPLYING WITH ALL CITY AND COUNTY STANDARDS AND APPROPRIATE REGULATIONS IF TOXIC SOILS ARE ENCOUNTERED OR SUSPECTED OF BEING CONTAMINATED.

### **GENERAL SITE NOTES**

- 1. CONTRACTOR SHALL VISIT THE SITE PRIOR TO BIDDING ON THIS WORK AND CONSIDER THE EXISTING CONDITIONS AND SITE CONSTRAINTS IN THE BID. CONTRACTOR SHALL BE IN THE POSSESSION OF AND FAMILIAR WITH ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS AND SPECIFICATIONS PRIOR TO SUBMITTING OF A BID.
- 2. THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
- 3. ALL WORK ON-SITE AND IN THE PUBLIC RIGHT-OF-WAY SHALL CONFORM TO ALL APPLICABLE GOVERNING AGENCIES STANDARD DETAILS & SPECIFICATIONS.
- 4. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITIONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT INCLUDING SAFETY OF ALL PERSONS AND PROPERTY THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS AND THAT THE CONTRACTOR SHALL DEFEND INDEMNIFY AND HOLD THE OWNER, THE CONSULTING ENGINEER AND THE CITY HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR THE CONSULTING ENGINEER.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SECURING THE JOB SITE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT UNAUTHORIZED PERSONS ON THE JOB SITE BY PROVIDING A CONSTRUCTION FENCE AROUND THE ENTIRE AREA OF DEMOLITION AND CONSTRUCTION, INCLUDING ALL STAGING AND STORAGE AREAS. CONSTRUCTION FENCE SHALL BE A MINIMUM OF A 6' HIGH GALVANIZED CHAIN LINK WITH GREEN WINDSCREEN FABRIC ON THE OUTSIDE OF
- 7. EXISTING PEDESTRIAN WALKWAYS, BIKE PATHS AND ACCESSIBLE PATHWAYS SHALL BE MAINTAINED, WHERE FEASIBLE, DURING CONSTRUCTION.
- 8. IF A CONFLICT ARISES BETWEEN THE SPECIFICATIONS AND THE PLAN NOTES, THE MORE STRINGENT REQUIREMENT SHALL GOVERN.
- 9. ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE GEOTECHNICAL REPORT BY ATLAS GEOSPHERE CONSULTANTS, INC DATED JANUARY 9, 2020.

### **EXISTING CONDITIONS:**

- 1. EXISTING TOPOGRAPHIC SURVEYS PERFORMED BY DMG ENGINEERING INC. ON OCTOBER 25. 2019 (JOB #19-126). GRADES ENCOUNTERED ON-SITE MAY VARY FROM THOSE SHOWN. CONTRACTOR SHALL REVIEW THE PLANS AND CONDUCT FIELD INVESTIGATIONS AS REQUIRED TO VERIFY EXISTING CONDITIONS AT THE
- 2. CLIENT AGREES TO HOLD ENGINEER HARMLESS FROM ANY AND ALL OCCURRENCES RESULTING FROM THE INACCURACIES OF THE CLIENT SUPPLIED TOPOGRAPHIC AND/OR BOUNDARY SURVEY (PREPARED BY OTHERS).

### SURVEYOR'S NOTES

### **BASIS OF ELEVATION:**

ELEVATIONS SHOWN ARE BASED UPON AN ASSUMED ELEVATION. ELEVATION OF MANHOLE IN DOLTON AVENUE AT CURVE IN ROAD SHOWN HEREON TAKEN

### RECORD DRAWINGS.

1. THE CONTRACTOR SHALL KEEP UP-TO-DATE AND ACCURATE A COMPLETE RECORD SET OF PRINTS OF THE CONTRACT DRAWINGS SHOWING EVERY CHANGE FROM THE ORIGINAL DRAWINGS MADE DURING THE COURSE OF CONSTRUCTION INCLUDING EXACT FINAL LOCATION, ELEVATION, SIZES, MATERIALS, AND DESCRIPTION OF ALL WORK. RECORDS SHALL BE "REDLINED" ON A SET OF CONSTRUCTION PLAN DRAWINGS. A COMPLETE SET OF CORRECTED AND COMPLETED RECORD DRAWING PRINTS SHALL BE SUBMITTED TO THE OWNER PRIOR TO FINAL ACCEPTANCE.

### SITE MAINTENANCE

UPON PROJECT COMPLETION THE OWNER SHALL BE SOLELY RESPONSIBLE TO ROUTINELY INSPECT AND MAINTAIN ALL ON-SITE STORM DRAIN FACILITIES. STORM DRAIN FACILITIES INCLUDE; ROOF GUTTERS AND DOWNSPOUTS, SURFACE DRAINS, SEDIMENTATION BASIN, DETENTION TANK AND DISCHARGE POINTS (BUBBLE UP BOX, ROCK DISSIPATER). STORM DRAIN SYSTEM SHALL BE CLEANED AND/OR FLUSHED ON A BIANNUAL BASIS OR AS FOUND NECESSARY.

### **DEMOLITION NOTES** •

- PRIOR TO BEGINNING DEMOLITION WORK ACTIVITIES, CONTRACTOR SHALL INSTALL EROSION CONTROL MEASURES OUTLINED IN THE EROSION CONTROL
- 2. THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
- 3. CONTRACTOR IS TO COMPLY WITH ALL LOCAL, STATE AND FEDERAL REQUIREMENTS, INCLUDING BUT NOT LIMITED TO, THE SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS AND REMOVAL AND DISPOSAL OF HAZARDOUS MATERIAL(S).
- CONTRACTOR'S BID IS TO INCLUDE ALL VISIBLE SURFACE AND ALL SUBSURFACE FEATURES IDENTIFIED TO BE REMOVED OR ABANDONED IN THESE DOCUMENTS.
- 5. THE CONTRACTOR SHALL BE RESPONSIBLE FOR A SITE INSPECTION TO FULLY ACKNOWLEDGE THE EXTENT OF THE DEMOLITION WORK.
- 6. THE CONTRACTOR SHALL BE RESPONSIBLE FOR OBTAINING ANY AND ALL PERMITS NECESSARY FOR ENCROACHMENT, GRADING, DEMOLITION, AND DISPOSAL OF SAID MATERIALS AS REQUIRED BY PRIVATE, LOCAL AND STATE JURISDICTIONS. THE CONTRACTOR SHALL PAY ALL FEES ASSOCIATED WITH THE DEMOLITION WORK.
- THE CONTRACTOR SHALL MAINTAIN ALL SAFETY DEVICES, AND SHALL BE RESPONSIBLE FOR CONFORMANCE TO ALL LOCAL, STATE AND FEDERAL SAFETY AND HEALTH STANDARDS LAWS AND REGULATIONS.
- 8. BACKFILL ALL DEPRESSIONS AND TRENCHES FROM DEMOLITION. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS.
- 9. REMOVAL OF LANDSCAPING SHALL INCLUDE ROOTS AND ORGANIC MATERIALS TO THE SATISFACTION OF THE GEOTECHNICAL ENGINEER.
- 10. THE CONTRACTOR SHALL PROTECT FROM DAMAGE ALL EXISTING IMPROVEMENTS FACILITIES AND STRUCTURES WHICH ARE TO REMAIN. ANY ITEMS DAMAGED BY THE CONTRACTOR OR HIS AGENTS OR ANY ITEMS REMOVED FOR HIS USE SHALL BE REPLACED IN EQUAL OR BETTER CONDITION AS APPROVED BY THE OWNER.
- 11. COORDINATE ALL UTILITY SHUT-DOWN/DISCONNECT LOCATIONS WITH APPROPRIATE DRAWINGS (ELECTRICAL, MECHANICAL, ARCHITECTURAL, ETC.). CONTRACTOR IS TO SHUT OFF ALL UTILITIES AS NECESSARY PRIOR TO DEMOLITION. CONTRACTOR IS TO COORDINATE SERVICE INTERRUPTIONS WITH THE OWNER. DO NOT INTERRUPT SERVICES TO ADJACENT OFF-SITE OWNERS. ANY EXISTING UNDERGROUND UTILITY LINES TO BE ABANDONED, SHOULD BE REMOVED FROM WITHIN THE PROPOSED BUILDING ENVELOPE AND THEIR ENDS CAPPED OUTSIDE OF THE BUILDING ENVELOPE.
- 12. THIS PLAN IS NOT INTENDED TO BE A COMPLETE CATALOGUE OF ALL EXISTING STRUCTURES AND UTILITIES. THIS PLAN INTENDS TO DISCLOSE GENERAL INFORMATION KNOWN BY THE ENGINEER AND TO SHOW THE LIMITS OF THE AREA WHERE WORK WILL BE PERFORMED. THIS PLAN SHOWS THE EXISTING FEATURES TAKEN FROM A FIELD SURVEY, FIELD INVESTIGATIONS AND AVAILABLE INFORMATION. THIS PLAN MAY OR MAY NOT ACCURATELY REFLECT THE TYPE OR EXTENT OF THE ITEMS TO BE ENCOUNTERED AS THEY ACTUALLY EXIST. WHERE EXISTING FEATURES ARE NOT SHOWN, IT IS NOT IMPLIED THAT THEY ARE NOT TO BE DEMOLISHED OR REMOVED. THE CONTRACTOR SHALL PERFORM A THOROUGH FIELD INVESTIGATION AND REVIEW OF THE SITE WITHIN THE LIMIT OF WORK SHOWN IN THIS PLAN SET TO DETERMINE THE TYPE, QUANTITY AND EXTENT OF ANY AND ALL ITEMS. THE CONTRACTOR SHALL BE SOLELY RESPONSIBLE FOR DETERMINING THE EXTENT OF EXISTING STRUCTURES AND UTILITIES AND QUANTITY OF WORK INVOLVED IN REMOVING THESE ITEMS FROM THE SITE.

### TREE/PLANT PROTECTION NOTES:

- PRIOR TO BEGINNING CONSTRUCTION ON SITE, CONTRACTOR SHALL IDENTIFY AND PROTECT EXISTING TREES AND PLANTS DESIGNATED AS TO REMAIN.
- 2. PROTECT EXISTING TREES TO REMAIN FROM SPILLED CHEMICALS, FUEL OIL. MOTOR OIL, GASOLINE AND ALL OTHER CHEMICALLY INJURIOUS MATERIAL; AS WELL AS FROM PUDDLING OR CONTINUOUSLY RUNNING WATER. SHOULD A SPILL OCCUR. STOP WORK IN THAT AREA AND CONTACT THE CITY'S ENGINEER/INSPECTOR IMMEDIATELY. CONTRACTOR SHALL BE RESPONSIBLE TO MITIGATE DAMAGE FROM SPILLED MATERIAL AS WELL AS MATERIAL CLEAN UP.
- 3. CONTRACTOR SHALL BE RESPONSIBLE FOR ONGOING MAINTENANCE OF ALL TREES DESIGNATED TO REMAIN AND FOR MAINTENANCE OF RELOCATED TREES STOCKPILED DURING CONSTRUCTION. CONTRACTOR WILL BE REQUIRED TO REPLACE TREES THAT DIE DUE TO LACK OF MAINTENANCE.

### HORIZONTAL CONTROL NOTES:

1. ALL DIMENSIONS ON THE PLANS ARE IN FEET OR DECIMALS THEREOF UNLESS SPECIFICALLY CALLED OUT AS FEET AND INCHES.

### PAVEMENT SECTION:

- 1. SEE STRUCTURAL DRAWINGS FOR BUILDING SLAB SECTIONS AND PAD PREPARATIONS.
- 2. SEE GEOTECHNICAL REPORT FOR ALL FLATWORK, VEHICULAR PAVEMENT SECTIONS, BASE AND COMPACTION REQUIREMENTS.
- 3. THE FINAL OR SURFACE LAYER OF ASPHALT CONCRETE SHALL NOT BE PLACED UNTIL ALL ON-SITE IMPROVEMENTS HAVE BEEN COMPLETED, INCLUDING ALL GRADING, AND ALL UNACCEPTABLE CONCRETE WORK HAS BEEN REMOVED AND REPLACED, UNLESS OTHERWISE APPROVED BY THE CITY/COUNTY ENGINEER AND/OR DEVELOPER'S CIVIL ENGINEER.
- 4. ALL PAVING SHALL BE IN CONFORMANCE WITH SECTION 26 "AGGREGATE BASE" AND SECTION 39 "ASPHALT CONCRETE" PER LATEST EDITION OF CALTRANS STANDARD SPECIFICATIONS.

### GRADING NOTES

- 1. PROVIDE POSITIVE SURFACE DRAINAGE AWAY FROM ALL STRUCTURES BY SLOPING THE FINISHED GROUND SURFACE AT LEAST 5%, UNLESS OTHERWISE NOTED ON THE PLANS. SLOPE LANDINGS 2% (1/4" PER FOOT) AWAY FROM, STRUCTURES UNLESS OTHERWISE NOTED ON PLANS. ANY AREAS ON THE SITE NOT CONFORMING TO THESE BASIC RULES DUE TO EXISTING CONDITIONS OR DISCREPANCIES IN THE DOCUMENTS ARE TO BE REPORTED TO THE CIVIL ENGINEER PRIOR TO PROCEEDING WITH PLACEMENT OF BASE ROCK OR FORMWORK FOR CURBS AND/OR FLATWORK.
- 2. CONTRACTOR SHALL DETERMINE EARTHWORK QUANTITIES BASED ON THE TOPOGRAPHIC SURVEY, THE GEOTECHNICAL INVESTIGATION AND THE PROPOSED SURFACE THICKNESS AND BASE THE BID ACCORDINGLY. IT IS THE CONTRACTORS RESPONSIBILITY TO CONFIRM IF A SEPARATE DEMOLITION CONTRACT HAS BEEN ISSUED TO TAKE THE SITE FROM THE WAY IT IS AT THE TIME OF THE BID TO THE CONDITIONS DESCRIBED IN THESE DOCUMENTS. BRING ANY DIFFERENCES BETWEEN THE STATE IN WHICH THE SITE IS DELIVERED TO THE CONTRACTOR AND THESE DOCUMENTS TO THE ATTENTION OF THE CIVIL ENGINEER.
- 3. ALL FILL SHALL BE COMPACTED PER THE GEOTECHNICAL REPORT AND THE CONTRACTOR SHALL COORDINATE AND COMPLY WITH THE GEOTECHNICAL ENGINEER TO TAKE THE APPROPRIATE TESTS TO VERIFY COMPACTION VALUES.
- 4. IMPORT SOILS SHOULD MEET THE REQUIREMENTS OF THE SOILS REPORT AND SPECIFICATIONS.
- 5. DO NOT ADJUST GRADES ON THIS PLAN WITHOUT PRIOR WRITTEN APPROVAL OF THE CIVIL ENGINEER. 6. SITE STRIPPINGS THAT CONTAIN ONLY ORGANIC MATERIAL (NO DEBRIS TRASH,
- BROKEN CONC. OR ROCKS GREATER THAN 1" IN DIAMETER) MAY BE USED IN LANDSCAPE AREAS, EXCEPT FOR AREAS IDENTIFIED AS IMPORT TOP SOIL BY THE LANDSCAPE DRAWINGS. EXCESS STRIPPINGS SHALL BE REMOVED FROM SITE.
- 7. ROUGH GRADING TO BE WITHIN 0.1' AND FINISH GRADES ARE TO BE WITHIN 0.05', HOWEVER CONTRACTOR SHALL NOT CONSTRUCT ANY IMPROVEMENTS THAT WILL CAUSE WATER TO POND OR NOT MEET REQUIREMENTS IN GRADING NOTE
- 8. THE CONTRACTOR SHALL EXERCISE EXTREME CARE TO CONFORM TO THE LINES, GRADES, SECTIONS, AND DIMENSIONS AS SET FORTH ON THESE PLANS. ALL GRADED AREAS SHALL CONFORM TO THE VERTICAL ELEVATIONS SHOWN WITH A TOLERANCE OF ONE-TENTH OF A FOOT. WHERE GRADED AREAS DO NOT CONFORM TO THESE TOLERANCES, THE CONTRACTORS SHALL BE REQUIRED TO DO CORRECTIVE GRADING, AT NO EXTRA COST TO THE CLIENT.
- 9. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE GROUND ELEVATIONS AND OVERALL TOPOGRAPHY OF THE SITE PRIOR TO THE START OF CONSTRUCTION AS TO THE ACCURACY BETWEEN THE WORK SET FORTH ON THESE PLANS AND THE WORK IN THE FIELD. ANY DISCREPANCIES SHALL BE IMMEDIATELY BROUGHT TO THE ATTENTION OF THE CONSTRUCTION MANAGER AND CIVIL ENGINEER IN WRITING PRIOR TO START OF CONSTRUCTION WHICH MAY REQUIRE CHANGES IN DESIGN AND/OR AFFECT THE EARTHWORK QUANTITIES.
- 10. THE CONTRACTOR SHALL ADJUST TO FINAL GRADE ALL EXISTING MANHOLES, CURB INLETS, CATCH BASINS, VALVES, MONUMENT COVERS, AND OTHER CASTINGS WITHIN THE WORK AREA TO FINAL GRADE IN PAVEMENT AND LANDSCAPE AREAS UNLESS NOTED OTHERWISE.

### STORM DRAIN NOTES:

- 1. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6" BELOW THE SURFACE. TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION-BURIED STORM DRAIN LINE BELOW".
- 2. PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH IN NON-TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM OF EIGHTEEN (18) INCHES OF COVER AND SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35. ALL DIRECTION CHANGES SHALL E MADE WITH WYE CONNECTIONS. 22.5° ELBOWS. 45° ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
- PRIVATE STORM DRAIN LINE 4-INCH THROUGH 12-INCH WITHIN VEHICULAR TRAFFIC AREAS SHALL BE INSTALLED WITH A MINIMUM OF EIGHTEEN (18) INCHES OF COVER AND SHALL BE POLYVINYL CHLORIDE (PVC) SDR 35 PIPE. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, OBTUSE ELBOWS OR LONG SWEEP ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
- 4. PAINT THE TOP OF THE CURBS ADJACENT TO EACH CATCH BASIN INSTALLED UNDER THIS WORK OR ADJACENT TO THIS SITE WITH THE WORDS "NO DUMPING". WORDING TO BE BLUE 4" HIGH LETTERS ON A PAINTED WHITE BACKGROUND.
- 5. ALL AREA DRAINS AND CATCH BASINS GRATES WITHIN PEDESTRIAN ACCESSIBLE AREAS SHALL MEET ADA REQUIREMENTS.
- 6. DRAINS SHOWN ON CIVIL PLANS ARE NOT INTENDED TO BE THE FINAL NUMBER AND LOCATION OF ALL DRAINS. PLACEMENT AND NUMBER OF LANDSCAPING DRAINS ARE HIGHLY DEPENDENT ON GROUND COVER TYPE AND PLANT MATERIAL. CONTRACTOR SHALL ADD ADDITIONAL AREA DRAINS AS NEEDED AND AS DIRECTED BY THE LANDSCAPE ARCHITECT/OWNER.
- 6. WHERE FEASIBLE ALL DOWNSPOUTS SHALL DISCHARGE TO A SPLASHBLOCK OR IMPERVIOUS SURFACE AND FLOW TO LANDSCAPED FEATURES BEFORE ENTERING THE DRAINAGE SYSTEM. USE OF AREA DRAINS (RATHER THAN DIRECT CONNECTION TO DRAINAGE SYSTEM) TO COLLECT ROOF/SURFACE WATER IS STRONGLY ENCOURAGED IN CONFORMANCE WITH COUNTYWIDE C.3 REQUIREMENTS. OTHERWISE, DOWNSPOUTS SHALL BE CONNECTED TO THE STORM DRAIN SYSTEM WITH 4" PVC SDR 35 PIPE WHERE SHOWN ON PLANS. SEE ARCHITECTURE PLANS FOR EXACT LOCATION OF THE DOWN SPOUTS.
- 7. CONTRACTOR SHALL INSTALL RAIN GUTTER GUARDS OR WIRE MESH ON ALL ROOF GUTTERS TO REDUCE THE AMOUNT TO LEAVES AND DEBRIS FROM ENTERING THE STORM DRAIN SYSTEM.
- 8. CONTRACTOR TO COORDINATE ANY VENT WELL DRAINS AND RAT SLAB DRAINS WITH PERIMETER SUB-DRAIN SYSTEM. SEE ARCHITECTURAL PLANS FOR VENT WELL LOCATIONS. SEE STRUCTURAL PLANS FOR FOUNDATION AND RAT SLAB.
- 9. INSTALL SEPARATE SUB-DRAIN SYSTEM BEHIND RETAINING WALLS PER GEOTECHNICAL REPORT AND CONNECT TO STORM DRAIN SYSTEM AS SHOWN.

### GENERAL UTILITY SYSTEM NOTES .

- 1. UNDERGROUND UTILITIES OR STRUCTURES ARE SHOWN IN THEIR APPROXIMATE LOCATIONS AND EXTENT BASED UPON FIELD OBSERVATION ONLY. NO GUARANTEE IS MADE TO THE ACCURACY OR COMPLETENESS OF THE INFORMATION SHOWN. THE CONTRACTOR SHALL VERIFY THE TYPE, SIZE, LOCATION AND DEPTH OF ALL THE UTILITIES AND CROSSINGS TO ENSURE THEY ARE CORRECT AS SHOWN. THE CONTRACTOR SHALL EXERCISE CAUTION WHEN EXCAVATING AND SHALL PROTECT ALL EXISTING UTILITIES FROM DAMAGE DUE TO CONSTRUCTION OPERATIONS.
- 2. CONTRACTOR SHALL PREPARE AN ACCURATE COMPOSITE UTILITY PLAN THAT TAKES INTO ACCOUNT THE ACTUAL LOCATIONS OF EXISTING UTILITIES AS DETERMINED DURING THE DEMOLITION WORK, AND ALL PROPOSED UTILITIES SHOWN ON THE CIVIL, ELECTRICAL, JOINT TRENCH AND FIRE SPRINKLER DRAWINGS.
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR CONTACTING APPROPRIATE UTILITIES AND REQUESTING VERIFICATION OF SERVICE POINTS, FIELD VERIFICATION OF LOCATION, SIZE, DEPTH, ETC. FOR ALL THEIR FACILITIES AND TO COORDINATE WORK SCHEDULES.
- 4. CONTRACTOR SHALL REPLACE ALL COVERS AND GRATE LIDS FOR MANHOLES, VAULTS, CATCH BASINS, ETC., WITH VEHICULAR-RATED STRUCTURES IN ALL TRAFFIC ACCESSIBLE AREAS.
- 5. TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT IN EXISTING PUBLIC STREET AREAS. CONTRACTOR SHALL BACKFILL TRENCHES, OR PLACE STEEL PLATING WITH ADEQUATE CUTBACK TO PREVENT SHIFTING OF STEEL PLATE AND/OR HOT-MIX ASPHALT REQUIRED TO PROTECT OPEN TRENCHES AT THE END OF THE WORKING DAY.
- 6. ALL TRENCHES SHALL BE BACK FILLED PER THE SPECIFICATIONS WITH APPROPRIATE TESTS BY THE GEOTECHNICAL ENGINEER TO VERIFY COMPACTION
- 7. CLEAN OUTS, CATCH BASINS, MANHOLES, AREA DRAINS AND UTILITY VAULTS ARE TO BE ACCURATELY LOCATED BY THEIR RELATIONSHIP TO THE BUILDING, FLATWORK, ROOF DRAINS, AND/OR CURB LAYOUT, NOT BY THE LENGTH OF PIPE SPECIFIED IN THE DRAWINGS (WHICH IS APPROXIMATE). CONTRACTOR SHALL STAKE LOCATIONS OF ABOVE GROUND UTILITY EQUIPMENT (BACKFLOW PREVENTOR, TRANSFORMER, UTILITY METERS, ETC.) AND MEET WITH OWNER TO REVIEW LOCATION PRIOR TO INSTALLATION.
- 8. ALL UTILITY SYSTEMS (SANITARY SEWER, STORM DRAIN, WATER SYSTEM, ETC.) ARE DELINEATED IN A SCHEMATIC MANNER ON THESE PLANS. CONTRACTOR IS TO PROVIDE ALL FITTINGS, ACCESSORIES AND WORK NECESSARY TO COMPLETE THE UTILITY SYSTEM SO THAT IT IS FULLY FUNCTIONING FOR THE PURPOSE INTENDED.
- 9. CONTRACTOR SHALL VERIFY ALL EXISTING INVERT ELEVATIONS FOR STORM DRAIN AND SANITARY SEWER CONSTRUCTION PRIOR TO COMMENCEMENT OF ANY WORK. ALL WORK FOR STORM AND SANITARY SEWER INSTALLATION SHALL BEGIN AT THE DOWNSTREAM CONNECTION POINT TO ALLOW FOR ANY NECESSARY ADJUSTMENTS TO BE MADE PRIOR TO THE INSTALLATION OF THE ENTIRE LINE. IF THE CONTRACTOR FAILS TO BEGIN AT THE DOWNSTREAM CONNECTION POINT AND WORKS UP STREAM, HE SHALL PROCEED AT HIS OWN RISK AND BE RESPONSIBLE FOR ANY ADJUSTMENTS NECESSARY. CONTRACTOR SHALL VERIFY LOCATION OF SANITARY SEWER LATERAL WITH OWNER PRIOR TO CONSTRUCTION.
- 10. CONTRACTOR SHALL UNCOVER AND EXPOSE ALL EXISTING UTILITIES WHERE THEY ARE TO BE CROSSED ABOVE OR BELOW BY THE NEW FACILITY BEING CONSTRUCTED IN ORDER TO VERIFY THE GRADE AND TO ASSURE THAT THERE IS SUFFICIENT HORIZONTAL AND VERTICAL CLEARANCE. BRING ANY DISCREPANCIES TO THE ATTENTION OF THE CIVIL ENGINEER PRIOR TO INSTALLATION.
- 11. VERTICAL SEPARATION REQUIREMENTS:
  - A MINIMUM OF SIX (6) INCHES VERTICAL CLEARANCE SHALL BE PROVIDED BETWEEN CROSSING UTILITY PIPES, EXCEPT THAT THE MINIMUM VERTICAL CLEARANCE BETWEEN WATER AND SANITARY SEWER PIPELINES SHALL BE 12 INCHES AND ALL NEW WATER PIPES SHALL BE TYPICALLY INSTALLED TO CROSS ABOVE/OVER EXISTING SANITARY SEWER PIPELINES.
- WHERE NEW WATER PIPELINES ARE REQUIRED TO CROSS UNDER EXISTING AND/OR NEW SANITARY SEWER PIPELINES, THE MINIMUM VERTICAL SEPARATION SHALL BE 12 INCHES. WATER LINE PIPE ENDS SHALL BE INSTALLED NO CLOSER THAN 10' MINIMUM HORIZONTAL DISTANCE FROM CENTERLINE OF UTILITY CROSSINGS, WHERE FEASIBLE.
- HORIZONTAL SEPARATION REQUIREMENTS:
- A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND ANY EXISTING UTILITIES SHALL BE 5' FEET, EXCEPT THAT THE MINIMUM HORIZONTAL SEPARATION FOR WATER AND SANITARY SEWER PIPELINES SHALL BE 10' MINIMUM, UNLESS OTHERWISE NOTED. WHERE WATER LINES HAVE TO CROSS SANITARY SEWER LINES, DO SO AT A 90° ANGLE AND WATER LINES SHALL BE A MINIMUM OF 12" ABOVE TOP OF SANITARY SEWER
- A MINIMUM HORIZONTAL SEPARATION BETWEEN NEW PIPELINES AND JOINT TRENCH SHALL BE 5 FEET.

### FIRE PROTECTION NOTES:

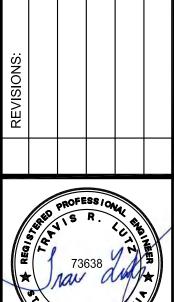
- 1. CONTRACTOR SHALL INSTALL THE DESIGN BUILD FIRE SERVICE LINE, BACKFLOW PREVENTOR, SPRINKLERS AND EQUIPMENT IN ACCORDANCE WITH THE FIRE PROTECTION CONSULTANT'S PLANS, SPECIFICATIONS, LATEST EDITION OF THE UNIFORM/CALIFORNIA FIRE CODE AND CITY/TOWN STANDARDS.
- 2. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL PREPARE SHOP DRAWINGS SHOWING ALL INFORMATION REQUIRED BY THE LOCAL FIRE MARSHAL, INCLUDING ANGLES, THRUST BLOCKS, VALVES, FIRE HYDRANTS, PIV's, FDC's, BACKFLOW ASSEMBLIES, FLEXIBLE CONNECTIONS, VAULTS, ETC.
- 3. SHOP DRAWINGS SHALL BE SUBMITTED TO THE LOCAL FIRE MARSHAL, THE RATING AGENCY AND THE PROJECT MANAGER, ALLOWING TIME FOR REVIEW AND ACCEPTANCE, PRIOR TO START OF WORK.
- 4. THE UNDERGROUND FIRE PROTECTION SYSTEM INSTALLER SHALL OBTAIN ALL APPROVALS AND PERMITS PRIOR TO ORDERING MATERIALS, FABRICATING SYSTEMS OR ANY INSTALLATION.
- GENERAL CONTRACTOR IS RESPONSIBLE FOR VERIFICATION OF ALL DIMENSIONS AND EQUIPMENT LOCATIONS. RISER LOCATIONS ARE SHOWN ON ARCHITECTURAL AND PLUMBING DRAWINGS AND ARE TO BE COORDINATED WITH ACTUAL FIELD CONDITIONS.

### WATER SYSTEM NOTES:

- 1. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6" BELOW THE SURFACE. TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION-BURIED WATER LINE BELOW".
- 2. ALL WATER SERVICE CONNECTIONS, INCLUDING BUT NOT LIMITED TO WATER VALVES TEMPORARY AND PERMANENT AIR RELEASE VALVES AND BLOW OFF VALVES, SHALL BE INSTALLED IN ACCORDANCE WITH THE CITY/COUNTY OR APPLICABLE WATER DISTRICT STANDARDS.
- 3. CONTRACTOR SHALL SIZE AND INSTALL ALL NEW DESIGN BUILD DOMESTIC IRRIGATION AND FIRE WATER LINE(S) IN ACCORDANCE WITH THE LATEST EDITION OF THE UNIFORM/CALIFORNIA PLUMBING AND FIRE CODES. (ALL FIXTURE UNIT COUNTS SHALL BE REVIEWED AND APPROVED BY THE CITY'S BUILDING AND/OR WATER DEPARTMENT PRIOR TO CONSTRUCTION.)
- 4. ALL WATER LINES SHALL BE INSTALLED WITH 36" MINIMUM COVER.
- 5. PUBLIC AND PRIVATE WATER MAIN AND WATER SERVICE LINE4" THROUGH 12-INCH SHALL BE POLYVINYL CHLORIDE (PVC) AND SHALL MEET AWWA C900, RATED FOR 200 PSI CLASS PIPE WITH EPOXY COATED DUCTILE IRON FITTINGS AND FUSION EPOXY COATED GATE VALVES. ALL JOINTS SHALL BE FACTORY MANUFACTURED WITH BELL AND SPIGOT ENDS AND RUBBER GASKETS.
- 6. ALL WATER LINES 2" OR SMALLER SHALL BE TYPE K COPPER WITH SILVER BRAZED JOINTS. CONTRACTOR TO VERIFY PRESSURES FROM EXISTING LINES ARE ADEQUATE TO SERVICE BUILDINGS AS SPECIFIED BY THE PLUMBING PLANS.
- 7. CONNECTIONS TO THE EXISTING WATER MAIN SHALL BE APPROVED BY THE APPLICABLE WATER DISTRICT STANDARDS. THE CONTRACTOR SHALL PAY THE ACTUAL COSTS OF CONSTRUCTION. THE CONTRACTOR SHALL PERFORM ALL EXCAVATION, PREPARE THE SITE, FURNISH ALL MATERIALS, INSTALL TAPPING TEE, VALVE AND ALL THRUST BLOCKS, BACKFILL, RESTORE THE SURFACE, AND CLEAN UP. THE APPLICABLE WATER DISTRICT STANDARDS WILL PROVIDE THE CONTRACTOR WITH A LIST OF APPROVED CONTRACTORS FOR MAKING WET
- 8. ALL WATER VALVES SHALL BE CLUSTERED, UNLESS OTHERWISE DIRECTED BY THE CITY/COUNTY OR APPLICABLE WATER DISTRICT.
- 9. THE CONTRACTOR SHALL BE RESPONSIBLE FOR COLLECTING AND DELIVERING WATER SAMPLES FOR ANALYSIS TO A CITY/COUNTY/APPLICABLE WATER DISTRICT APPROVED LAB.
- 10. ALL ON AND OFF-SITE LANDSCAPE IRRIGATION SYSTEMS SHALL BE IN ACCORDANCE WITH THE LANDSCAPE ARCHITECTURAL PLANS AND SPECIFICATIONS AND SHALL BE CONNECTED TO THE EXISTING AND/OR NEW WATER SYSTEM AND METERED ACCORDINGLY.
- 11. INSTALL CITY/COUNTY/APPLICABLE WATER DISTRICT APPROVED PRESSURE REGULATOR AND REDUCED BACKFLOW PREVENTOR ON WATER LINE AT ENTRANCE TO BUILDING. REFERENCE PLUMBING PLANS FOR MORE DETAIL.

### SANITARY SEWER NOTES:

- 1. USE DETECTABLE METALIZED WARNING TAPE APPROXIMATELY 6" BELOW THE SURFACE. TAPE SHALL BE A BRIGHT COLOR AND IMPRINTED WITH "CAUTION-BURIED SANITARY SEWER LINE BELOW".
- 2. ALL SEWER WORK SHALL BE IN CONFORMANCE WITH THE COUNTY OR APPROPRIATE SANITARY SEWER DISTRICT.
- 3. PRIVATE SANITARY SEWER MAIN AND SERVICE LINE 4-INCH THROUGH 8-INCH WITH A MINIMUM OF THIRTY-SIX (36) INCHES OF COVER SHALL BE POLYVINYL CHLORIDE (PVC) SDR 26 GREEN SEWER PIPE AND SHALL CONFORM TO THE REQUIREMENTS OF ASTM DESIGNATION D 3034-73 WITH GLUED JOINTS. ALL DIRECTION CHANGES SHALL BE MADE WITH WYE CONNECTIONS, 22.5° ELBOWS OR 45° ELBOWS, 90° ELBOWS AND TEE'S ARE PROHIBITED.
- 4. ALL LATERALS SHALL HAVE A CLEANOUT AT FACE OF BUILDING, AT THE PROPERTY LINE AND AS SHOWN ON PLANS PER THE COUNTY STANDARD OR APPROPRIATE SANITARY SEWER DISTRICT.
- 5. A VIDEO INSPECTION OF THE SEWER MAIN (MANHOLE TO MANHOLE) WHERE THE NEW LATERAL CONNECTS TO THE SEWER DISTRICT MAIN SHALL BE PERFORMED BY THE APPLICANT OR CONTRACTOR AND SUBMITTED TO THE SEWER DISTRICT FOR REVIEW AFTER LATERAL CONNECTION HAS BEEN MADE AND/OR THE MAIN REPAIRED. THE VIDEO INSPECTION SHALL BE PERFORMED IN ACCORDANCE WITH THE REQUIREMENTS DESCRIBED IN THE SPECIAL PROVISIONS FOR CLOSED CIRCUIT TELEVISION INSPECTION OF SANITARY SEWER MAINS (A COPY CAN BE OBTAINED FROM OUR WEBSITE AT
- HTTP://PUBLICWORKS.SMCGOV.ORG/SEWER-SERVICES). THE SEWER DISTRICT WILL REVIEW THE VIDEO INSPECTION TO DETERMINE WHETHER THE WORK PERFORMED IS ACCEPTABLE. ALL UNACCEPTABLE WORK SHALL BE CORRECTED TO THE SEWER DISTRICT'S SATISFACTION AT THE APPLICANT'S EXPENSE.
- 6. THE PROPERTY LINE CLEANOUT MUST BE PLACED IN A LOCATION THAT PROVIDES EASY ACCESS FOR MAINTENANCE EQUIPMENT AND IS OUTSIDE OF ANY ENCLOSURES. A MINIMUM OF 6' IS REQUIRED BETWEEN PROPERTY LINE CLEANOUT AND STRUCTURE.
- 7. SANITARY SEWER CONNECTION AND TESTING MUST BE MADE IN THE PRESENCE OF A SEWER DISTRICT REPRESENTATIVE.
- 8. THE SEWER LATERAL SHALL BE CONSTRUCTED PER SEWER DISTRICT STANDARD DETAILS AND TO THE SATISFACTION OF THE SEWER DISTRICT REPRESENTATIVE.
- 9. THE SEWER DISTRICT OFFICE SHALL BE CONTACTED (650-363-4100) TO SCHEDULE INSPECTIONS. INSPECTIONS MUST BE SCHEDULED A MINIMUM OF ONE WORKING DAY PRIOR TO THE INSPECTION. NO INSPECTIONS SHALL OCCUR ON FRIDAYS, WEEKENDS OR HOLIDAYS UNLESS SPECIAL ARRANGEMENTS ARE MADE WITH THE SEWER DISTRICT
- 10. CARE MUST BE TAKEN TO PROTECT THE EXISTING SEWER DISTRICT FACILITIES WHEN A NEW SEWER LATERAL AND CONNECTION IS INSTALLED. ANY DAMAGES TO THE SEWER DISTRICT FACILITIES DURING THE INSTALLATION OF THE NEW LATERAL SHALL BE REPAIRED BY THE APPLICANT PER THE SEWER DISTRICT STANDARD DETAILS AND AT THE APPLICANT'S EXPENSE. THE SEWER DISTRICT MUST BE NOTIFIED OF ANY DAMAGES TO THE SANITARY SEWER FACILITIES AND ANY REPAIRS MUST BE INSPECTED BY A SEWER DISTRICT REPRESENTATIVE.
- 11. IF THE EXISTING LATERAL FROM THE PROPERTY LINE CLEANOUT TO THE SEWER DISTRICT MAIN WILL BE ABANDONED AND A NEW LATERAL CONNECTION WILL BE MADE AT A DIFFERENT LOCATION. THE EXISTING LATERAL CONNECTION SHALL BE REMOVED AND THE SEWER DISTRICT MAIN REPAIRED BY THE PROJECT APPLICANT. A MINIMUM OF 12" IN LENGTH OF THE ABANDONED LATERAL IMMEDIATELY UPSTREAM FROM THE PREVIOUS CONNECTION POINT SHALL BE PLUGGED WITH CEMENT SLURRY. A SEWER INSPECTION PERMIT IS REQUIRED FOR THE REMOVAL OF THE EXISTING LATERAL CONNECTION AND SEWER MAIN REPAIR. IF THE DISTANCE BETWEEN THE NEW AND OLD CONNECTION IS 5 FEET OR LESS THE ENTIRE SECTION OF THE SEWER MAIN BETWEEN THESE CONNECTION POINTS SHALL BE REMOVED AND REPLACED IN ACCORDANCE WITH THE SEWER DISTRICT STANDARDS.
- 12. A BACKFLOW PREVENTION OR OVERFLOW DEVICE IS RECOMMENDED IMMEDIATELY UPSTREAM OF THE REQUIRED CLEANOUT NEAR THE PROPERTY LINE TO PREVENT BACKFLOW OF SEWAGE INTO THE BUILDING/PROPERTY.



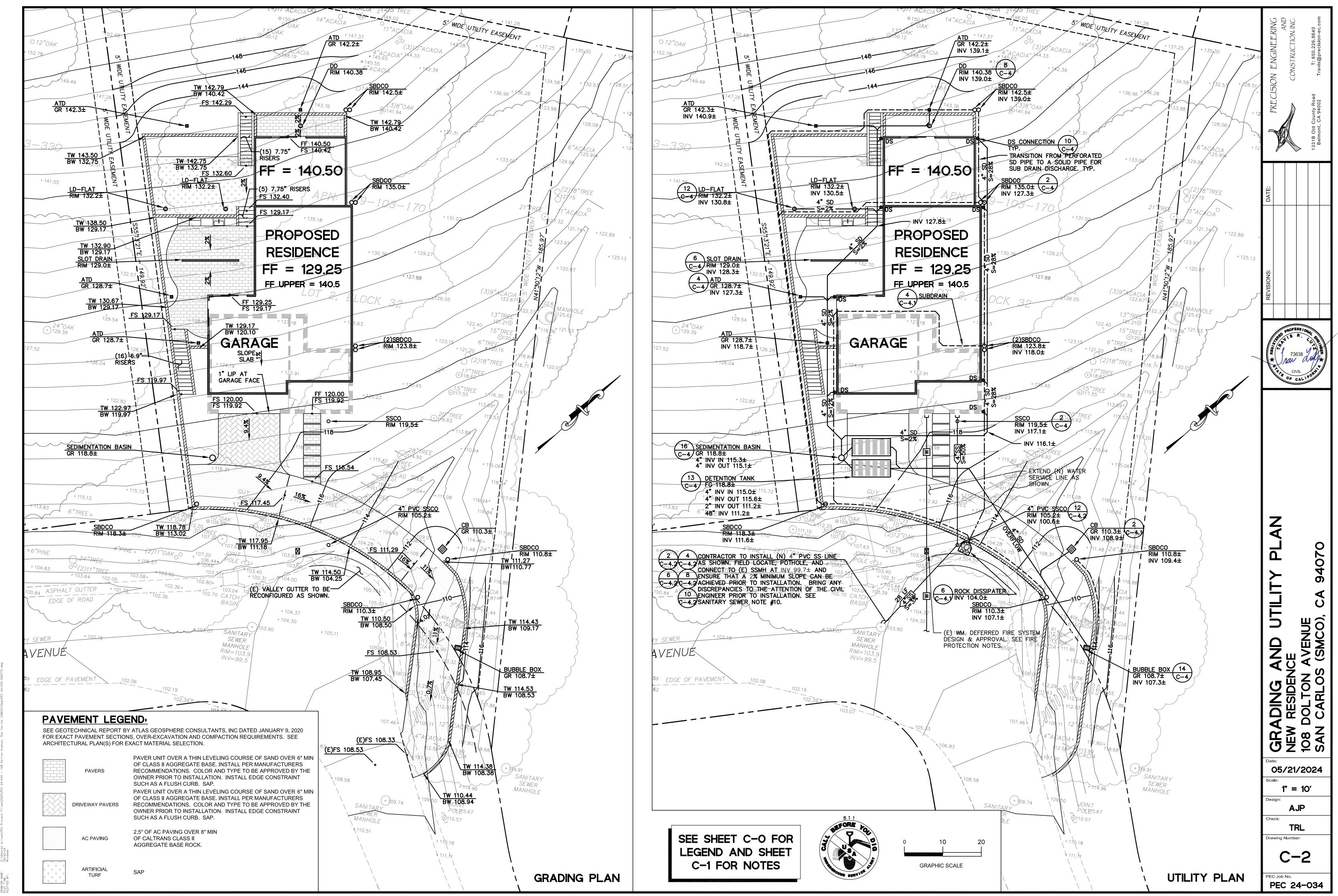
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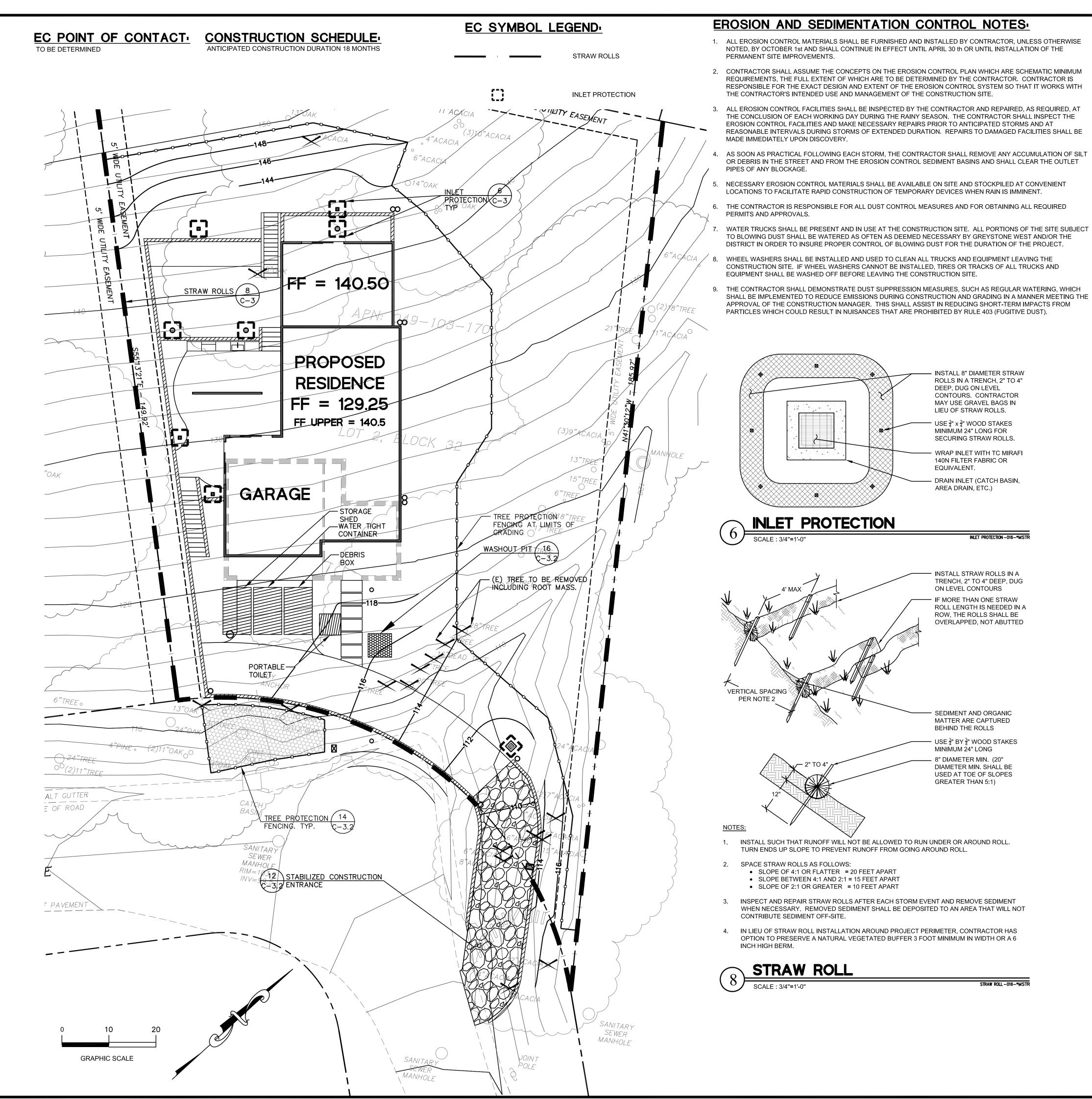
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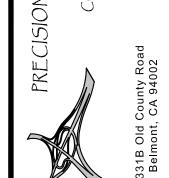


### EROSION AND SEDIMENTATION CONTROL NOTES CONT-

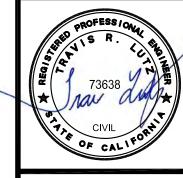
- 10. GRADING OR ANY OTHER OPERATIONS THAT CREATES DUST SHALL BE STOPPED IMMEDIATELY IF DUST AFFECTS ADJACENT PROPERTIES. THE CONTRACTOR SHALL PROVIDE SUFFICIENT DUST CONTROL FOR THE ENTIRE PROJECT SITE AT ALL TIMES. THE SITE SHALL BE WATERED AS NECESSARY TO PREVENT DUST NUISANCE. IN THE EVENT THAT THE CONTRACTOR NEGLECTS TO USE ADEQUATE MEASURES TO CONTROL DUST, THE HOME OWNER RESERVES THE RIGHT TO TAKE WHATEVER MEASURES ARE NECESSARY TO CONTROL DUST AND CHARGE THE COST TO THE CONTRACTOR.
- 11. ERODED SEDIMENTS AND OTHER POLLUTANTS MUST BE RETAINED ON SITE AND MAY NOT BE TRANSPORTED FROM THE SITE VIA VEHICLE TRAFFIC, SHEET FLOW, SWALES, AREA DRAINS, NATURAL DRAINAGE COURSES, OR WIND. THE CONSTRUCTION ENTRANCE ROADWAYS MUST BE STABILIZED SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT-OF-WAY. ACCIDENTAL DEPOSITIONS MUST BE SWEPT UP IMMEDIATELY AND MAY NOT BE WASHED DOWN BY RAIN OR OTHER MEANS.
- 12. STOCKPILES OF EARTH AND OTHER CONSTRUCTION RELATED MATERIALS MUST BE PROTECTED FROM BEING TRANSPORTED FROM THE SITE BY THE FORCES OF WIND OR WATER. COVER STOCKPILED MATERIAL WITH VISQUEEN OR A TARPAULIN UNTIL THE MATERIAL IS REMOVED FROM THE SITE. ANY REMAINING BARE SOIL THAT EXISTS AFTER THE STOCKPILE HAS BEEN REMOVED SHALL BE COVERED UNTIL A NATURAL GROUND COVER IS ESTABLISHED OR IT MAY BE SEEDED OR PLANTED TO PROVIDE GROUND COVER PRIOR TO THE FALL RAINY
- 13. ANY SLOPES WITH DISTURBED SOILS OR DENUDED OF VEGETATION MUST BE STABILIZED SO AS TO INHIBIT EROSION BY WIND AND WATER.
- 14. ALL TRUCKS HAULING SOIL, SAND, AND OTHER LOOSE MATERIALS SHALL BE COVERED WITH TARPAULINS OR OTHER EFFECTIVE COVERS.
- 15. FUELS, OILS, SOLVENTS, AND OTHER TOXIC MATERIALS MUST BE STORED IN ACCORDANCE WITH THEIR LISTING AND ARE NOT TO CONTAMINATE THE SOIL AND SURFACE WATERS. ALL APPROVED STORAGE CONTAINERS ARE TO BE PROTECTED FROM THE WEATHER. SPILLS MUST BE CLEANED UP IMMEDIATELY AND DISPOSED OF IN A PROPER MANNER. SPILLS MAY NOT BE WASHED INTO THE DRAINAGE SYSTEM.
- 16. EXCESS OR WASTE CONCRETE MAY NOT BE WASHED INTO THE PUBLIC RIGHT-OF-WAY OR ANY OTHER DRAINAGE SYSTEM. PROVISIONS SHALL BE MADE TO RETAIN CONCRETE WASTES ON SITE UNTIL THEY CAN BE DISPOSED OF AS SOLID WASTE. NEVER CLEAN MACHINERY, EQUIPMENT OR TOOLS INTO A STREET, GUTTER OR STORM
- 17. TRASH AND CONSTRUCTION RELATED SOLID WASTES MUST BE DEPOSITED INTO A COVERED RECEPTACLE TO PREVENT CONTAMINATION AND DISPERSAL BY WIND.
- 18. CLEAN UP ALL SPILLS USING DRY METHODS.
- 19. CALL 911 IN CASE OF A HAZARDOUS SPILL.
- 20. BMP'S AS OUTLINED IN, BUT NOT LIMITED TO, CALIFORNIA STORM WATER QUALITY TASK FORCE, SACRAMENTO, CALIFORNIA, JANUARY 2003, OR THE LATEST REVISED EDITION, MAY APPLY DURING THE CONSTRUCTION OF THE PROJECT. ALL CONSTRUCTION IMPROVEMENTS SHALL ADHERE TO NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) BEST MANAGEMENT PRACTICES TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE CITY OR COUNTY STORM DRAIN SYSTEMS. ADDITIONAL MEASURES MAY BE REQUIRED IF DEEMED APPROPRIATE BY CITY INSPECTORS.
- 21. PROTECT ADJACENT PROPERTIES AND UNDISTURBED AREAS FROM CONSTRUCTION IMPACTS USING VEGETATIVE BUFFER STRIPS, SEDIMENT BARRIERS OR FILTERS, DIKES, MULCHING OR OTHER MEASURES AS APPROPRIATE.
- 22. CONTRACTOR SHALL MAINTAIN ADJACENT STREETS IN A NEAT, CLEAN, DUST FREE AND SANITARY CONDITION AT ALL TIMES AND TO THE SATISFACTION OF THE TOWN AND HOME OWNER. THE ADJACENT STREET SHALL BE KEPT CLEAN OF DEBRIS, WITH DUST AND OTHER NUISANCE BEING CONTROLLED AT ALL TIMES. CONTRACTOR SHALL BE RESPONSIBLE FOR ANY CLEAN UP ON ADJACENT STREETS AFFECTED BY THEIR CONSTRUCTION, METHOD OF STREET CLEANING SHALL BE BY DRY SWEEPING OF ALL PAVED AREAS. NO STOCKPILING OF BUILDING MATERIALS WITHIN THE RIGHT-OF-WAY IS PERMITTED.
- 23. UPON SATISFACTORY COMPLETION OF THE WORK, THE ENTIRE WORK SITE SHALL BE CLEANED BY THE CONTRACTOR AND LEFT WITH A SMOOTH AND NEATLY GRADED SURFACE FREE OF CONSTRUCTION WASTE, RUBBISH, AND DEBRIS OF ANY NATURE.
- 24. THE CONTRACTOR SHALL ADHERE TO NPDES (NATIONAL POLLUTION DISCHARGE ELIMINATION SYSTEM) BEST MANAGEMENT PRACTICES (BMP) FOR SEDIMENTATION PREVENTION AND EROSION CONTROL TO PREVENT DELETERIOUS MATERIALS OR POLLUTANTS FROM ENTERING THE TOWN OF COUNTY STORM DRAIN SYSTEMS.
- 25. SEDIMENTS AND OTHER MATERIALS SHALL NOT BE TRACKED FROM THE SITE BY VEHICLE TRAFFIC. THE CONTRACTOR SHALL INSTALL A STABILIZED CONSTRUCTION ENTRANCE PRIOR TO THE INCEPTION OF ANY WORK ONSITE AND MAINTAIN IT FOR THE DURATION OF THE CONSTRUCTION PROCESS SO AS TO INHIBIT SEDIMENTS FROM BEING DEPOSITED INTO THE PUBLIC RIGHT-OF-WAY UNTIL THE COMPLETION OF ALL LANDSCAPING
- 26. THE CONTRACTOR SHALL PROTECT DOWN SLOPE DRAINAGE COURSES, STREAMS AND STORM DRAINS WITH ROCK FILLED SAND BAGS, TEMPORARY SWALES, SILT FENCES, AND EARTH PERMS IN CONJUNCTION WITH PROPERLY INSTALLED INLET FILTERS.
- 27. SILT FENCE(S) AND FIBER ROLL(S) SHALL BE INSTALLED PRIOR TO SEPTEMBER 15 AND SHALL REMAIN IN PLACE UNTIL THE LANDSCAPING GROUND COVER IS INSTALLED. CONTRACTOR SHALL CONTINUOUSLY MONITOR THESE MEASURES, FOLLOWING AND DURING ALL RAIN EVENTS, TO ENSURE THEIR PROPER FUNCTION.
- 28. PERFORM CLEARING AND EARTH-MOVING ACTIVITIES ONLY DURING DRY WEATHER. MEASURES TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL SHALL BE INSTALLED PRIOR TO EARTH-MOVING ACTIVITIES AND
- 29. MEASURES TO ENSURE ADEQUATE EROSION AND SEDIMENT CONTROL ARE REQUIRED YEAR-ROUND. STABILIZE ALL DENUDED AREAS AND MAINTAIN EROSION CONTROL MEASURES CONTINUOUSLY BETWEEN OCTOBER 1 AND
- 30. STORE, HANDLE, AND DISPOSE OF CONSTRUCTION MATERIALS AND WASTES PROPERLY, SO AS TO PREVENT THEIR CONTACT WITH STORMWATER.
- 31. CONTROL AND PREVENT THE DISCHARGE OF ALL POTENTIAL POLLUTANTS, INCLUDING PAVEMENT CUTTING WASTES, PAINTS, CONCRETE, PETROLEUM PRODUCTS, CHEMICALS, WASH WATER OR SEDIMENTS, AND NON-STORMWATER DISCHARGES TO STORM DRAINS AND WATERCOURSES.
- 32. USE SEDIMENT CONTROLS OR FILTRATION TO REMOVE SEDIMENT WHEN DEWATERING SITE AND OBTAIN REGIONAL WATER QUALITY CONTROL BOARD (RWQCB) PERMIT(S) AS NECESSARY.
- 33. AVOID CLEANING, FUELING, OR MAINTAINING VEHICLES ON-SITE, EXCEPT IN A DESIGNATED AREA WHERE WASH WATER IS CONTAINED AND TREATED.
- 34. LIMIT AND TIME APPLICATIONS OF PESTICIDES AND FERTILIZERS TO PREVENT POLLUTED RUNOFF.
- 35. LIMIT CONSTRUCTION ACCESS ROUTES TO STABILIZED, DESIGNATED ACCESS POINTS.
- 36. AVOID TRACKING DIRT OR OTHER MATERIALS OFF-SITE; CLEAN OFF-SITE PAVED AREAS AND SIDEWALKS USING DRY SWEEPING METHODS.
- 37. TRAIN AND PROVIDE INSTRUCTION TO ALL EMPLOYEES AND SUBCONTRACTORS REGARDING THE WATERSHED PROTECTION MAINTENANCE STANDARDS AND CONSTRUCTION BEST MANAGEMENT PRACTICES.
- 38. PLACEMENT OF EROSION MATERIALS AT THESE LOCATIONS IS REQUIRED ON WEEKENDS AND DURING RAIN **EVENTS: (LIST LOCATIONS).**
- 39. THE AREAS DELINEATED ON THE PLANS FOR PARKING, GRUBBING, STORAGE ETC., SHALL NOT BE ENLARGED OF
- 40. CONSTRUCTION SITES ARE REQUIRED TO HAVE EROSION CONTROL MATERIALS ON-SITE DURING THE
- 41. DUST CONTROL IS REQUIRED YEAR-ROUND.
- 42. EROSION CONTROL MATERIALS SHALL BE STORED ON-SITE.
- 43. USE OF PLASTIC SHEETING BETWEEN OCTOBER 1ST AND APRIL 30TH IS NOT ACCEPTABLE, UNLESS FOR USE ON STOCKPILES WHERE THE STOCKPILE IS ALSO PROTECTED WITH FIBER ROLLS CONTAINING THE BASE OF THE STOCKPILE.

SEE SHEET C-O FOR LEGEND AND SHEET C-1 FOR NOTES









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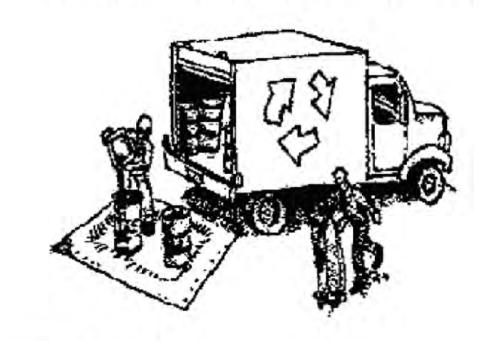
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Clean Water. Healthy Community.

# Construction Best Management Practices (BMPs)

Construction projects are required to implement the stormwater best management practices (BMP) on this page, as they apply to your project, all year long.

### Materials & Waste Management



#### Non-Hazardous Materials

- ☐ Berm and cover stockpiles of sand, dirt or other construction material with tarps when rain is forecast or if not actively being used within 14 days.
- ☐ Use (but don't overuse) reclaimed water for dust control.

#### Hazardous Materials

- ☐ Label all hazardous materials and hazardous wastes (such as pesticides, paints, thinners, solvents, fuel, oil, and antifreeze) in accordance with city, county, state and federal regulations.
- ☐ Store hazardous materials and wastes in water tight containers, store in appropriate secondary containment, and cover them at the end of every work day or during wet weather or when rain is forecast.
- ☐ Follow manufacturer's application instructions for hazardous materials and be careful not to use more than necessary. Do not apply chemicals outdoors when rain is forecast within 24 hours.
- ☐ Arrange for appropriate disposal of all hazardous wastes.

### Waste Management

- □ Cover waste disposal containers securely with tarps at the end of every work day and during wet weather.
- ☐ Check waste disposal containers frequently for leaks and to make sure they are not overfilled. Never hose down a dumpster on the construction site.
- ☐ Clean or replace portable toilets, and inspect them frequently for leaks and spills.
- ☐ Dispose of all wastes and debris properly. Recycle materials and wastes that can be recycled (such as asphalt, concrete, aggregate base materials, wood, gyp board, pipe, etc.)
- ☐ Dispose of liquid residues from paints, thinners, solvents, glues, and cleaning fluids as hazardous waste.

### **Construction Entrances and Perimeter**

- ☐ Establish and maintain effective perimeter controls and stabilize all construction entrances and exits to sufficiently control erosion and sediment discharges from site and tracking off site.
- ☐ Sweep or vacuum any street tracking immediately and secure sediment source to prevent further tracking. Never hose down streets to clean up tracking.

### Equipment Management & **Spill Control**



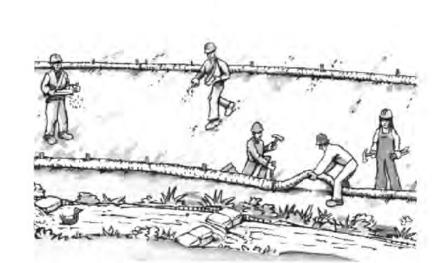
#### Maintenance and Parking

- Designate an area, fitted with appropriate BMPs, for vehicle and equipment parking and storage.
- Perform major maintenance, repair jobs, and vehicle and equipment washing off site.
- ☐ If refueling or vehicle maintenance must be done onsite, work in a bermed area away from storm drains and over a drip pan or drop cloths big enough to collect fluids. Recycle or dispose of fluids as hazardous waste.
- ☐ If vehicle or equipment cleaning must be done onsite, clean with water only in a bermed area that will not allow rinse water to run into gutters, streets, storm drains, or surface waters.
- ☐ Do not clean vehicle or equipment onsite using soaps, solvents, degreasers, or steam cleaning equipment.

### Spill Prevention and Control

- ☐ Keep spill cleanup materials (e.g., rags, absorbents and cat litter) available at the construction site at all times.
- ☐ Inspect vehicles and equipment frequently for and repair leaks promptly. Use drip pans to catch leaks until repairs are made.
- ☐ Clean up spills or leaks immediately and dispose of cleanup materials properly.
- Do not hose down surfaces where fluids have spilled. Use dry cleanup methods (absorbent materials, cat litter, and/or rags).
- Sweep up spilled dry materials immediately. Do not try to wash them away with water, or bury them.
- ☐ Clean up spills on dirt areas by digging up and properly disposing of contaminated soil.
- ☐ Report significant spills immediately. You are required by law to report all significant releases of hazardous materials, including oil. To report a spill: 1) Dial 911 or your local emergency response number, 2) Call the Governor's Office of Emergency Services Warning Center, (800) 852-7550 (24 hours).

### Earthmoving



- ☐ Schedule grading and excavation work during dry weather.
- ☐ Stabilize all denuded areas, install and maintain temporary erosion controls (such as erosion control fabric or bonded fiber matrix) until vegetation is established.
- ☐ Remove existing vegetation only when absolutely necessary, and seed or plant vegetation for erosion control on slopes or where construction is not immediately planned
- ☐ Prevent sediment from migrating offsite and protect storm drain inlets, gutters, ditches, and drainage courses by installing and maintaining appropriate BMPs, such as fiber rolls, silt fences, sediment basins, gravel bags, berms, etc.
- ☐ Keep excavated soil on site and transfer it to dump trucks on site, not in the streets.

### **Contaminated Soils**

- ☐ If any of the following conditions are observed, test for contamination and contact the Regional Water Quality Control Board:
- Unusual soil conditions, discoloration. or odor.
- Abandoned underground tanks.
- Abandoned wells
- Buried barrels, debris, or trash

### Paving/Asphalt Work



- Avoid paving and seal coating in wet weather or when rain is forecast, to prevent materials that have not cured from contacting stormwater runoff.
- ☐ Cover storm drain inlets and manholes when applying seal coat, tack coat, slurry seal, fog seal, etc.
- ☐ Collect and recycle or appropriately dispose of excess abrasive gravel or sand. Do NOT sweep or wash it into gutters.
- ☐ Do not use water to wash down fresh asphalt concrete pavement.

### Sawcutting & Asphalt/Concrete Removal

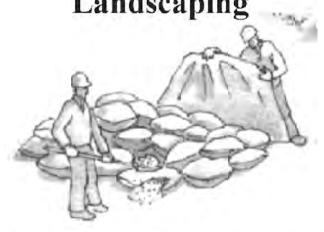
- ☐ Protect nearby storm drain inlets when saw cutting. Use filter fabric, catch basin inlet filters, or gravel bags to keep slurry out of the storm drain system.
- ☐ Shovel, abosorb, or vacuum saw-cut slurry and dispose of all waste as soon as you are finished in one location or at the end of each work day (whichever is sooner!).
- ☐ If sawcut slurry enters a catch basin, clean it up immediately.

### Concrete, Grout & Mortar



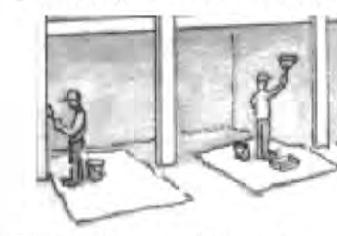
- ☐ Store concrete, grout, and mortar away from storm drains or waterways, and on pallets under cover to protect them from rain, runoff, and wind.
- ☐ Wash out concrete equipment/trucks offsite or in a designated washout area, where the water will flow into a temporary waste pit, and in a manner that will prevent leaching into the underlying soil or onto surrounding areas. Let concrete harden and dispose of as garbage.
- ☐ When washing exposed aggregate. prevent washwater from entering storm drains. Block any inlets and vacuum gutters, hose washwater onto dirt areas, or drain onto a bermed surface to be pumped and disposed of properly.

### Landscaping



- ☐ Protect stockpiled landscaping materials from wind and rain by storing them under tarps all year-round.
- ☐ Stack bagged material on pallets and under cover.
- ☐ Discontinue application of any erodible landscape material within 2 days before a forecast rain event or during wet weather.

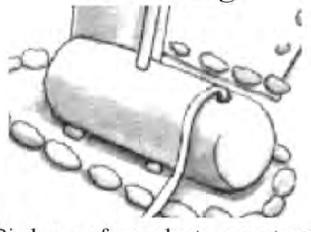
### Painting & Paint Removal



### Painting Cleanup and Removal

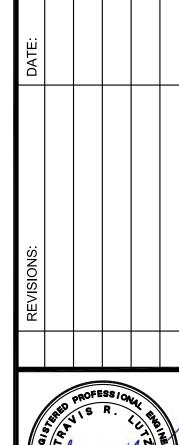
- ☐ Never clean brushes or rinse paint containers into a street, gutter, storm drain, or stream.
- ☐ For water-based paints, paint out brushes to the extent possible, and rinse into a drain that goes to the sanitary sewer. Never pour paint down a storm drain.
- ☐ For oil-based paints, paint out brushes to the extent possible and clean with thinner or solvent in a proper container. Filter and reuse thinners and solvents. Dispose of excess liquids as hazardous waste.
- ☐ Paint chips and dust from non-hazardous dry stripping and sand blasting may be swept up or collected in plastic drop cloths and disposed of as trash.
- ☐ Chemical paint stripping residue and chips and dust from marine paints or paints containing lead, mercury, or tributyltin must be disposed of as hazardous waste. Lead based paint removal requires a statecertified contractor.

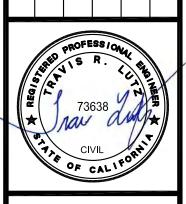
### Dewatering



- ☐ Discharges of groundwater or captured runoff from dewatering operations must be properly managed and disposed. When possible send dewatering discharge to landscaped area or sanitary sewer. If discharging to the sanitary sewer call your local wastewater treatment plant.
- ☐ Divert run-on water from offsite away from all disturbed areas.
- ☐ When dewatering, notify and obtain approval from the local municipality before discharging water to a street gutter or storm drain. Filtration or diversion through a basin, tank, or sediment trap may be required.
- In areas of known or suspected contamination, call your local agency to determine whether the ground water must be tested. Pumped groundwater may need to be collected and hauled off-site for treatment and proper disposal

Storm drain polluters may be liable for fines of up to \$10,000 per day!





94070

**PRACTICES** ST MANAGEMENT

V RESIDENCE

DOLTON AVENUE

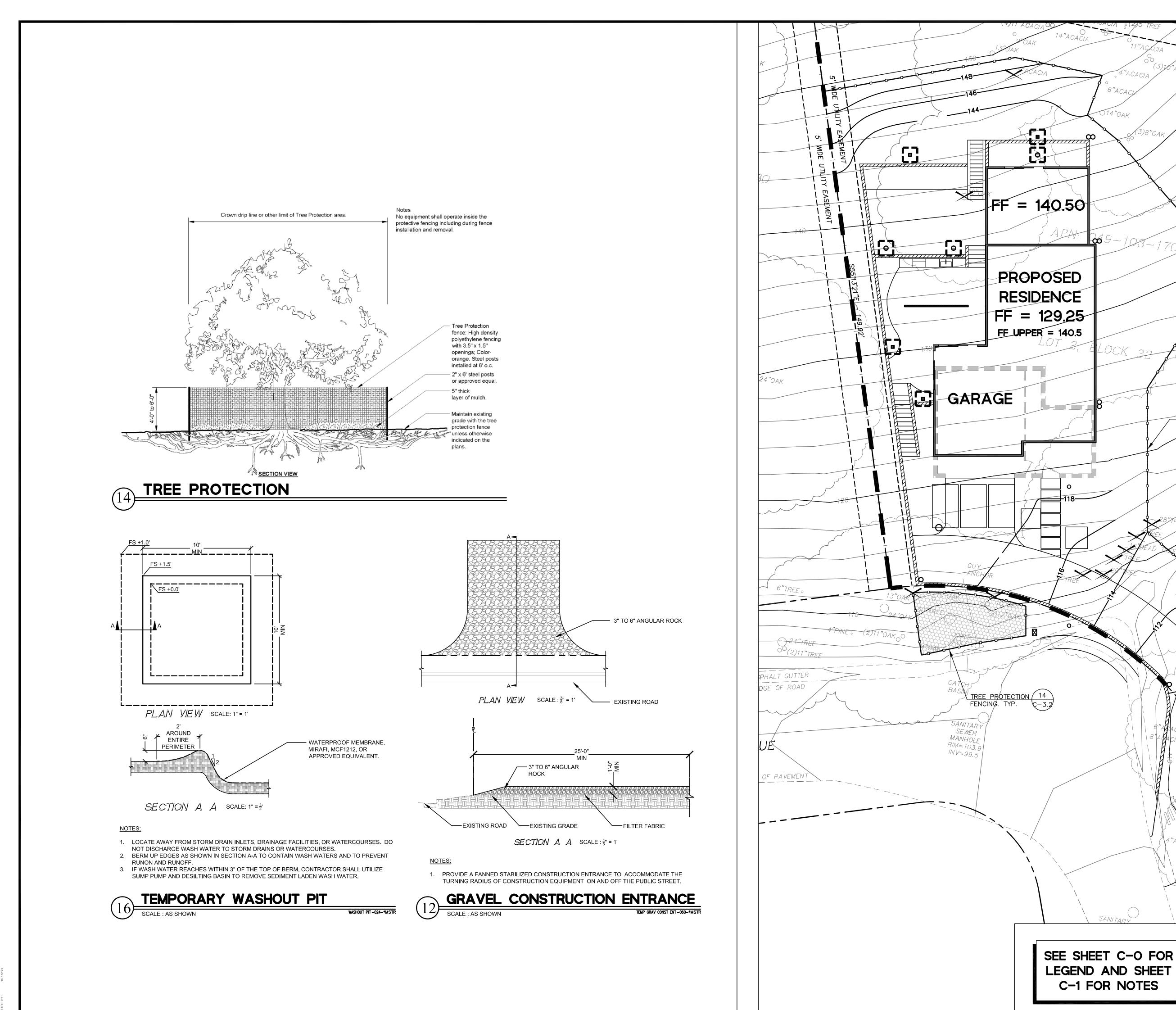
V CARLOS (SMCO), CA BES'NEW 108 L

05/21/2024 NONE

TRL Prawing Number:

C-3.1

PEC 24-034



TREE PROTECTION 8"TRE FENCING AT LIMITS OF CRADING OF TREE

94070

OTECTION NCE N AVENUE S (SMCO), C

05/21/2024

1" = 10'

AJP

C-3.2

PEC 24-034

Drawing Number:

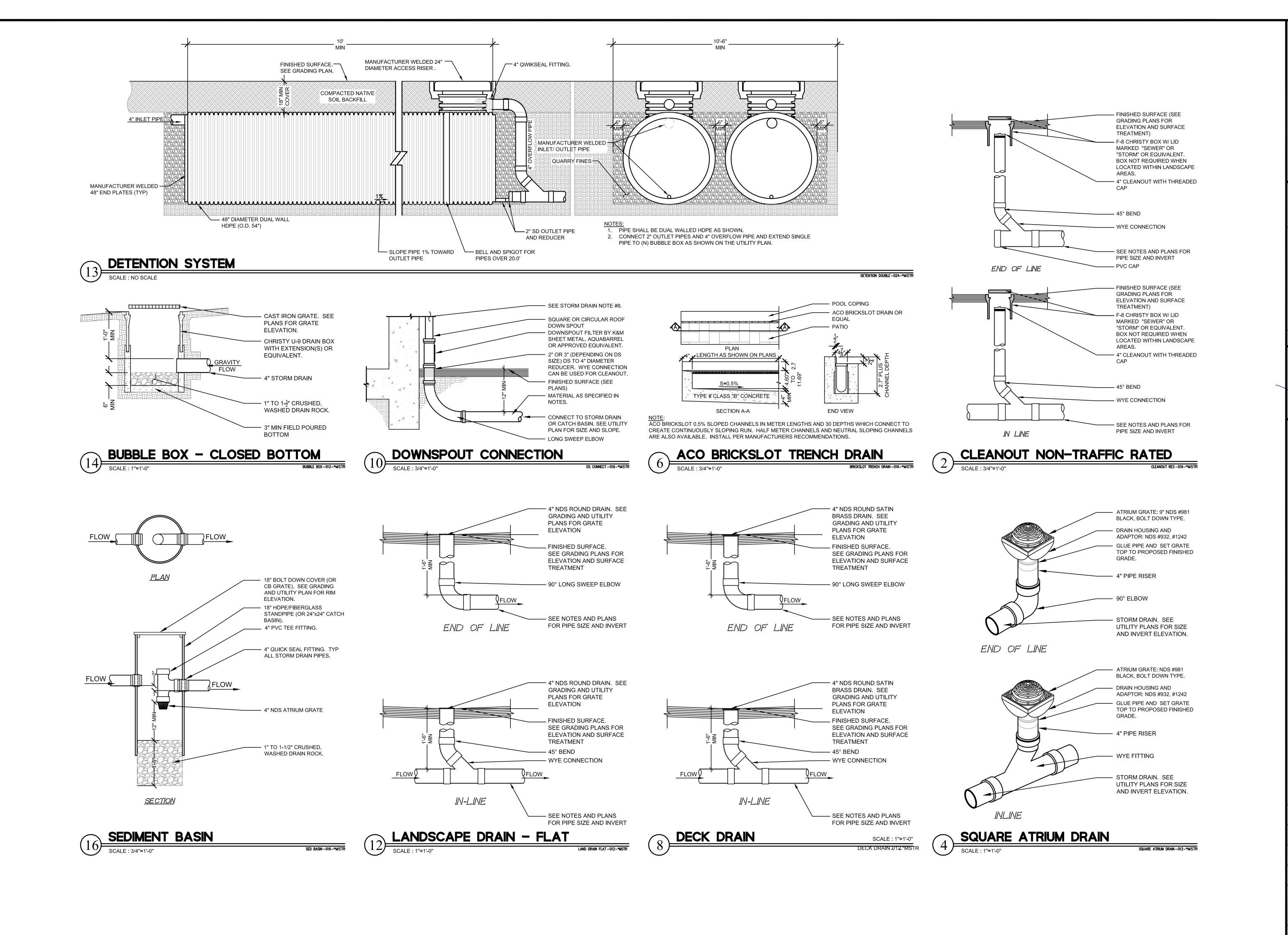
PEC Job No.

SANITARY SEWER

MANHOLE

GRAPHIC SCALE

SANITARY



TAIL SHEET

V RESIDENCE

DOLTON AVENUE

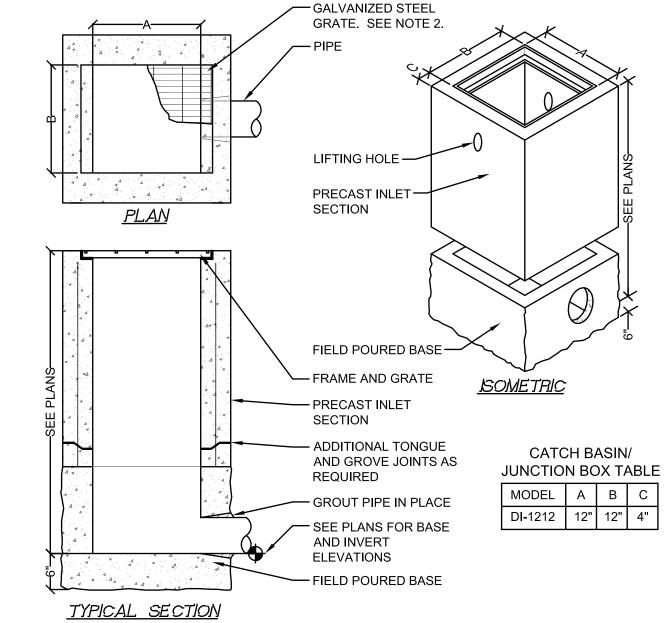
V CARLOS (SMCO), DET NEW 108 SAN 05/21/2024 AS SHOWN AJP TRL Drawing Number:

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C-4 PEC Job No.

PEC 24-034

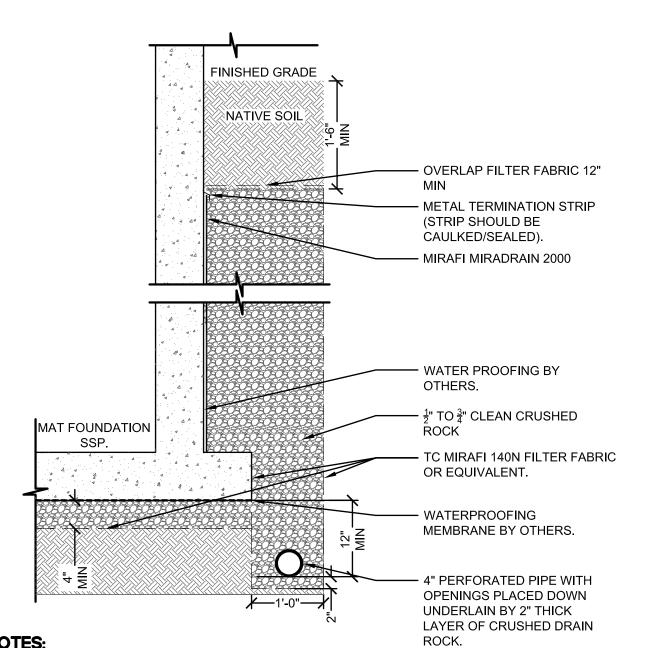
Check:



1. INLET AND GRATE SHALL BE OLDCASTLE PRECAST DROP INLET, OR EQUIVALENT. 2. FRAMES AND GRATES SHALL BE HEAVY DUTY, DESIGNED FOR H20 HIGHWAY LOADING. GRATE TO BE BICYCLE PROOF.

CATCH BASIN

SCALE: NO SCALE



NOTES:

- 1. PROVIDE A MINIMUM SLOPE OF 1% ON SUB-DRAIN PIPE. SEE PLANS FOR CLEANOUT LOCATIONS AND INVERT ELEVATIONS.
- 2. SEE GEOTECHNICAL REPORT FOR ALL COMPACTION RECOMMENDATIONS. GEOTECHNICAL ENGINEER SHALL INSPECT AND APPROVE THE FINAL INSTALLATION OF THE SUB-DRAIN SYSTEM.

SUB-DRAIN

SCALE: 3/4"=1'-0"

SUB-DRAIN 1016 \*MSTR

AS SHOWN AJP

05/21/2024

TAIL SHEET

V RESIDENCE

DOLTON AVENUE

V CARLOS (SMCO),

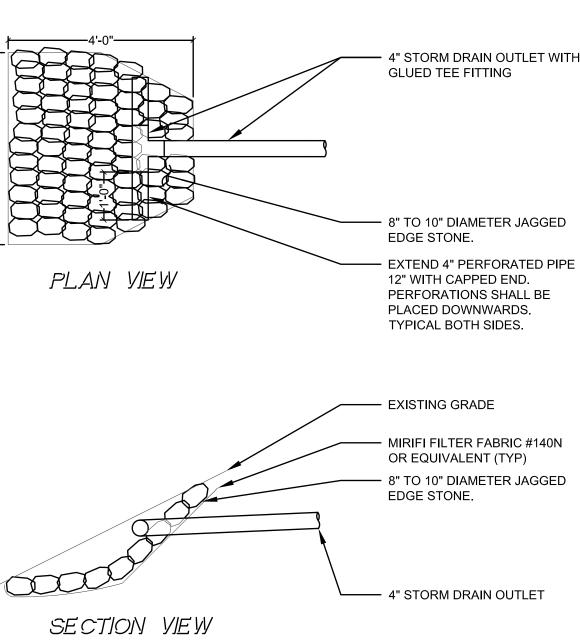
ECISION ENGINEERING

Check: Drawing Number:

C-4.1

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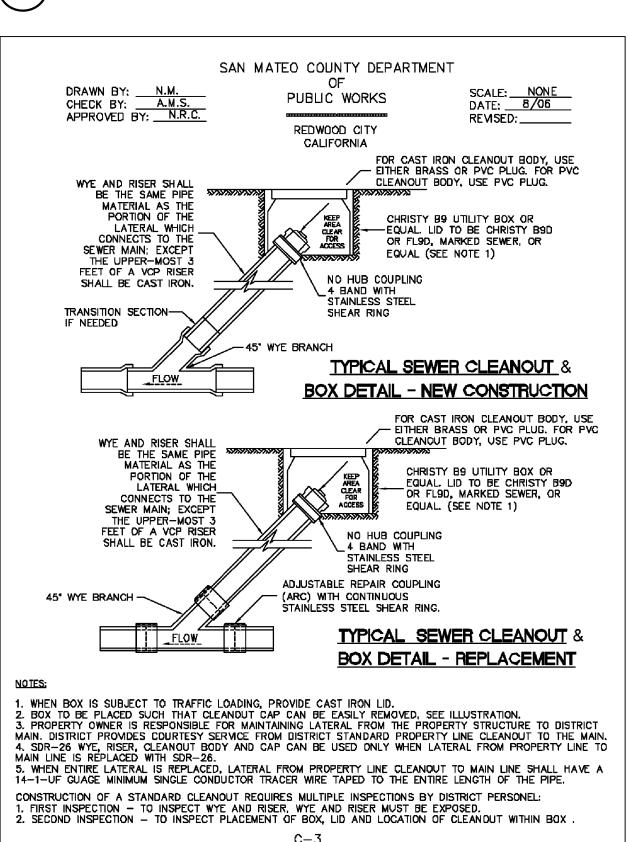
PEC Job No. PEC 24-034





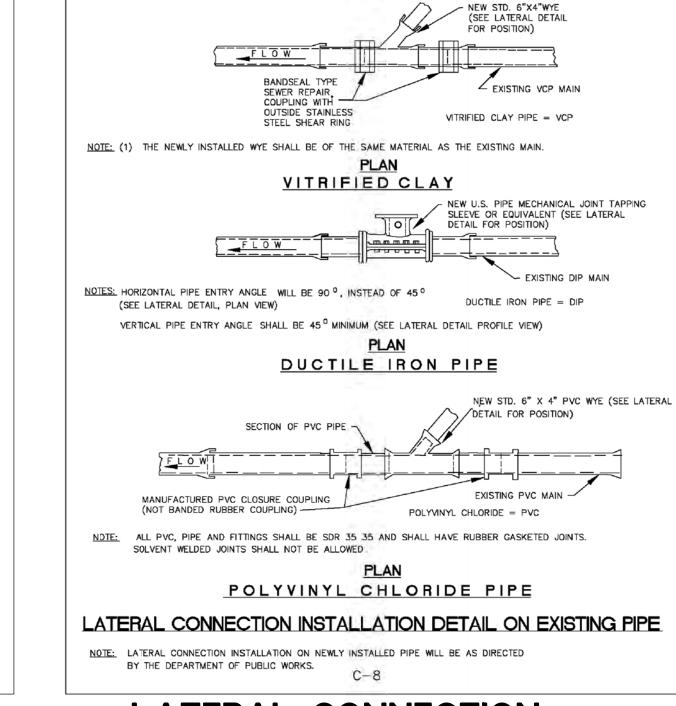
3. SEE STRUCTURAL PLANS FOR BASEMENT MAT SLAB, FOOTING AND FOUNDATION DESIGN.

### CITY STANDARD TRENCH



**COUNTY CLEANOUT** 

SAN MATEO COUNTY DEPARTMENT DRAWN BY: N.M.A. SCALE: NONE PUBLIC WORKS CHECK BY: R.O.
APPROVED BY: N.R.C. DATE: <u>6/95</u> REVISED: REDWOOD CITY CALIFORNIA SAN MATEO COUNTY SEWER AND SANITATION DISTRICTS STANDARD SPECIFICATIONS **GENERAL NOTES** 1. ALL REFERENCES TO "DISTRICT" IN THESE GENERAL NOTES SHALL MEAN THE APPROPRIATE COUNTY SEWER OR SANITATION DISTRICT. 2. THE APPROVAL OF THESE PLANS BY THE DISTRICT SHALL BE INTERPRETED TO MEAN THAT THE SANITARY SEWER DESIGN SHOWN ON THESE PLANS MEETS THE DISTRICT'S STANDARDS. THE DISTRICT'S APPROVAL IN NO WAY GUARANTEES ANY OTHER ASPECT OF THIS PLAN OR ITS ACCURACY RELATIVE TO ACTUAL FIELD CONDITIONS. 3. THE CONTRACTOR SHALL CONTACT THE DISTRICT AT 363-4765 OR 363-4100 TWO (2) WOKING DAYS IN ADVANCE OF BEGINNING ANY SANITARY SEWER WORK. THE CONTRACTOR SHALL THEREAFTER KEEP THE INSPECTOR FOR THE DISTRICT INFORMED OF HIS SCHEDULE 4. ALL SANITARY SEWER WORK CONSTRUCTED WITHOUT INSPECTION BY THE DISTRICT SHALL BE REMOVED AND RECONSTRUCTED WITH INSPECTION. 5. THE CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT FORTY—EIGHT (48) HOURS IN ADVANCE OF BEGINNING ANY WORK. 6. THE CONTRACTOR SHALL FIELD VERIFY THE LOCATION OF ALL UTILITIES BEFORE BEGINNING 7. THE CONTRACTOR SHALL OBTAIN ANY AND ALL PERMITS REQUIRED BY THE COUNTY OR CITY BEFORE BEGINNING ANY SANITARY SEWER WORK. 8. UPON THE COMPLETION OF CONSTRUCTION A COMPLETE SET OF REPRODUCIBLE "AS-CONSTRUCTED" PLANS SHALL BE PROVIDED TO THE DISTRICT. 9. SANITARY SEWER SERVICE SHALL BE MAINTAINED AT ALL TIMES. THE CONTRACTOR SHALL USE WHATEVER MEANS ARE NECESSARY (E.G. PUMPS, ETC.) TO MAINTAIN THIS SERVICE DURING CONSTRUCTION. 10. PRIOR TO COMMENCING ANY SANITARY SEWER WORK IN OFF-SITE EASEMENTS THE CONTRACTOR SHALL PROVIDE THE DISTRICT WITH ADEQUATE EVIDENCE THAT ALL AFFECTED PROPERTY OWNERS (AND TENANTS WHERE APPLICABLE) WERE NOTIFIED WELL IN ADVANCE OF THE DATE WORK IN THESE EASEMENTS WAS TO BEGIN AND THAT THEY HAVE UPDATED THAT NOTICE IN A TIMELY MANNER WHEN THOSE DATES HAVE CHANGED.



SAN MATEO COUNTY DEPARTMENT

OF

PUBLIC WORKS

REDWOOD CITY

CALIFORNIA

SCALE: NONE

DATE: <u>6/95</u>

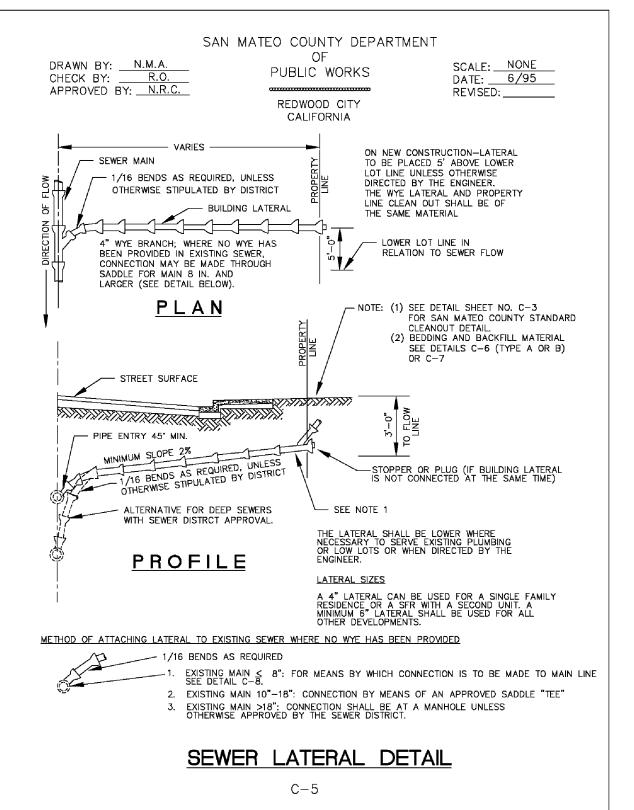
REVISED: \_\_\_\_\_

DRAWN BY: N.M.A.

APPROVED BY: N.R.C.

CHECK BY:

# LATERAL CONNECTION



**COUNTY LATERAL** 

PIPE AND FITTINGS

2. ALL JOINTS SHALL BE A BELL AND SPIGOT ASSEMBLY WITH ELASTOMERIC SEALING GASKETS. SEALING GASKETS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION D1869.

SOLVENT CEMENT JOINTS ARE NOT PERMITTED 3. ALL PIPE ENTERING OR LEAVING A CONCRETE STRUCTURE SHALL HAVE A RUBBER WATERSTOP GASKET ATTACHED TO IT. THE WATERSTOP GASKET SHALL CONFORM TO THE PIPE MANUFACTURER'S SPECIFICATIONS. THE WATERSTOP GASKET SHALL BE SEATED FIRMLY AROUND THE PIPE EXTERIOR AND BE CAST INTO THE CONCRETE STRUCTURE.

C-13

SAN MATEO COUNTY DEPARTMENT

PUBLIC WORKS

REDWOOD CITY

CALIFORNIA

SAN MATEO COUNTY SEWER AND SANITATION DISTRICTS

STANDARD SPECIFICATIONS

PIPE AND FITTINGS

1. ALL PIPE AND FITTINGS SHALL CONFORM TO ASTM SPECIFICATIONS D3034, SDR 35.

SCALE: NONE DATE: 6/95

REVISED: 4/97

**GENERAL NOTES** 

4. ALL PIPE JOINTS SHALL BE MADE USING MANUFACTURED PVC COUPLINGS. BAND TYPE COMPRESSION COUPLINGS ARE NOT PERMITTED.

DUCTILE IRON PIPE (DIP)

DRAWN BY: N.M.A.

CHECK BY: R.O.

APPROVED BY: N.R.C.

POLYVINYL CHLORIDE PIPE (PVC)

1. ALL PIPE SHALL BE THICKNESS CLASS 50 (FOUR INCH PIPE SHALL BE THICKNESS CLASS 51) IN ACCORDANCE WITH ANSI SPECIFICATIONS A21.51. FITTINGS SHALL BE IN ACCORDANCE WITH ANSI SPECIFICATION A21.10.

2. JOINTS SHALL BE PUSH-ON TYPE OR MECHANICAL JOINT TYPE IN ACCORDANCE WITH ANSI SPECIFICATION A21.11. RUBBER GASKETS FOR PUSH-ON JOINTS SHALL BE IN ACCORDANCE WITH ANSI SPECIFICATIONS HEREIN.

3. PIPE AND FITTINGS SHALL HAVE A BITUMINOUS COATING OUTSIDE IN ACCORDANCE WITH ASTM SPECIFICATION A746-86, UNLESS OTHERWISE SPECIFIED HEREIN.

4. PIPE AND FITTINGS SHALL HAVE A 1/16" (ONE—SIXTEENTH INCH) CEMENT—MORTAR LINING WITH AN ASPHALTIC SEAL COAT.

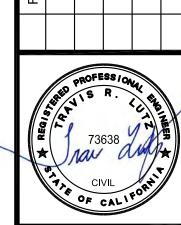
VITRIFIED CLAY PIPE (VCP)

1. PIPE AND FITTINGS SHALL BE EXTRA STRENGTH, UNGLAZED, BELL AND SPIGOT, CONFORMING TO THE LATEST REVISION OF ASTM SPECIFICATION C700.

2. JOINTS SHALL BE A BELL AND SPIGOT ASSEMBLY WITH FACTORY INSTALLED FLEXIBLE COMPRESSSION TYPE GASKETS MADE OF PLASTICIZED POLYVINYL OR POLYURETHANE CONFORMING TO THE LATEST REVISION OF ASTM SPECIFICATIONS C425. BAND TYPE

C-14

ENGINEERING



0 AIL SHEET RESIDENCE JOLTON AVE CARLOS (SN

DET NEW 108 SAN 05/21/2024

AS SHOWN AJP

Check: Prawing Number:

C - 4.2

PEC Job No. PEC 24-034