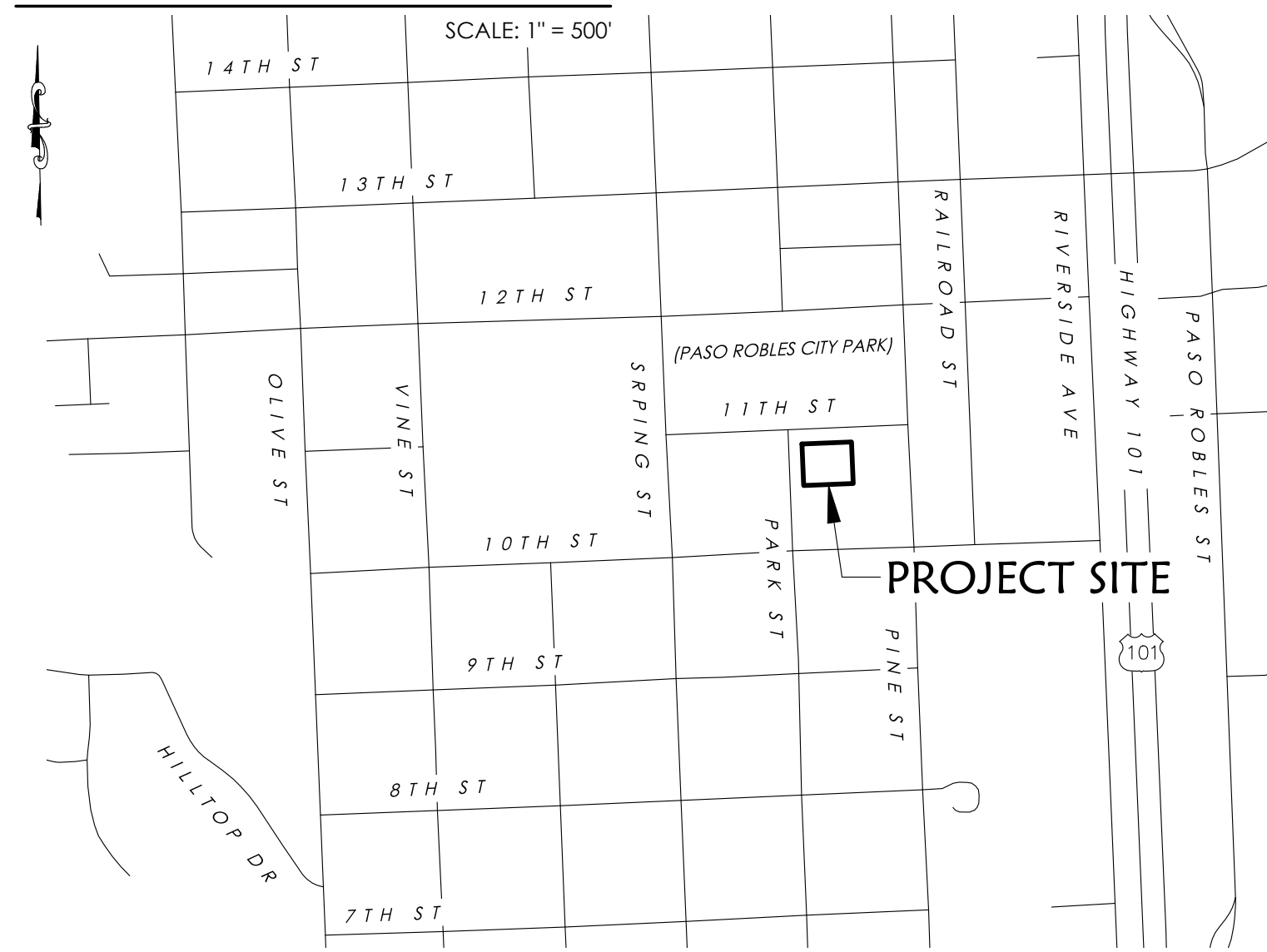


Park Hotel Mixed Use Development, 800 11th Street, Paso Robles

VICINITY MAP



SCOPE OF WORK

3-STORY, 19,000 SQUARE FOOT MIXED-USE HOTEL REDEVELOPMENT ON APPROXIMATELY 6,400 SQUARE FOOT BUILDING FOOTPRINT WITH APPROXIMATELY 6,000 SQUARE FEET OF REPAVED PARKING AREA.

OWNER

RON AND VICKI MULLINS
805.227.0458
SOLD@RONMULLINS.COM
SOLDBYVICKIE@GMAIL.COM

SURVEYOR

TWIN CITIES SURVEYING INC.
615-C MAIN STREET / PO BOX 777
TEMPLETON, CA 93465-0777
805.434.1834

BENCHMARK

CITY OF PASO ROBLES BENCH MARK "BM M 1095"- STANDARD USC&GS BRASS DISK STAMPED "M 1095 1968" IN THE TOP AND 1.0' EAST OF THE WEST END OF THE NORTH CONCRETE ABUTMENT OF UNION PACIFIC RAILROAD BRIDGE 216.59 OVER PINE STREET NEAR 4TH STREET 7.4' WESTERLY OF THE WEST RAIL AND ABOUT 1' LOWER THAN THE TRACKS.

ELEVATION = 731.37 FEET (NAVD 1988)

BASIS OF BEARINGS

THE "BASIS OF BEARINGS" FOR THIS MAP AND SURVEY IS GRID NORTH PER CALIFORNIA COORDINATE SYSTEM OF 1983 (CCS 83-ZONE 5). THE MEAN CONVERGENCE ANGLE FOR THIS SITE IS -01°32'00".

MEASURED DISTANCES SHOWN HEREON ARE GRID DISTANCES IN U.S. FEET. TO OBTAIN GROUND DISTANCES, MULTIPLY GRID DISTANCES BY 0.999998622.

APPLICABLE CODES

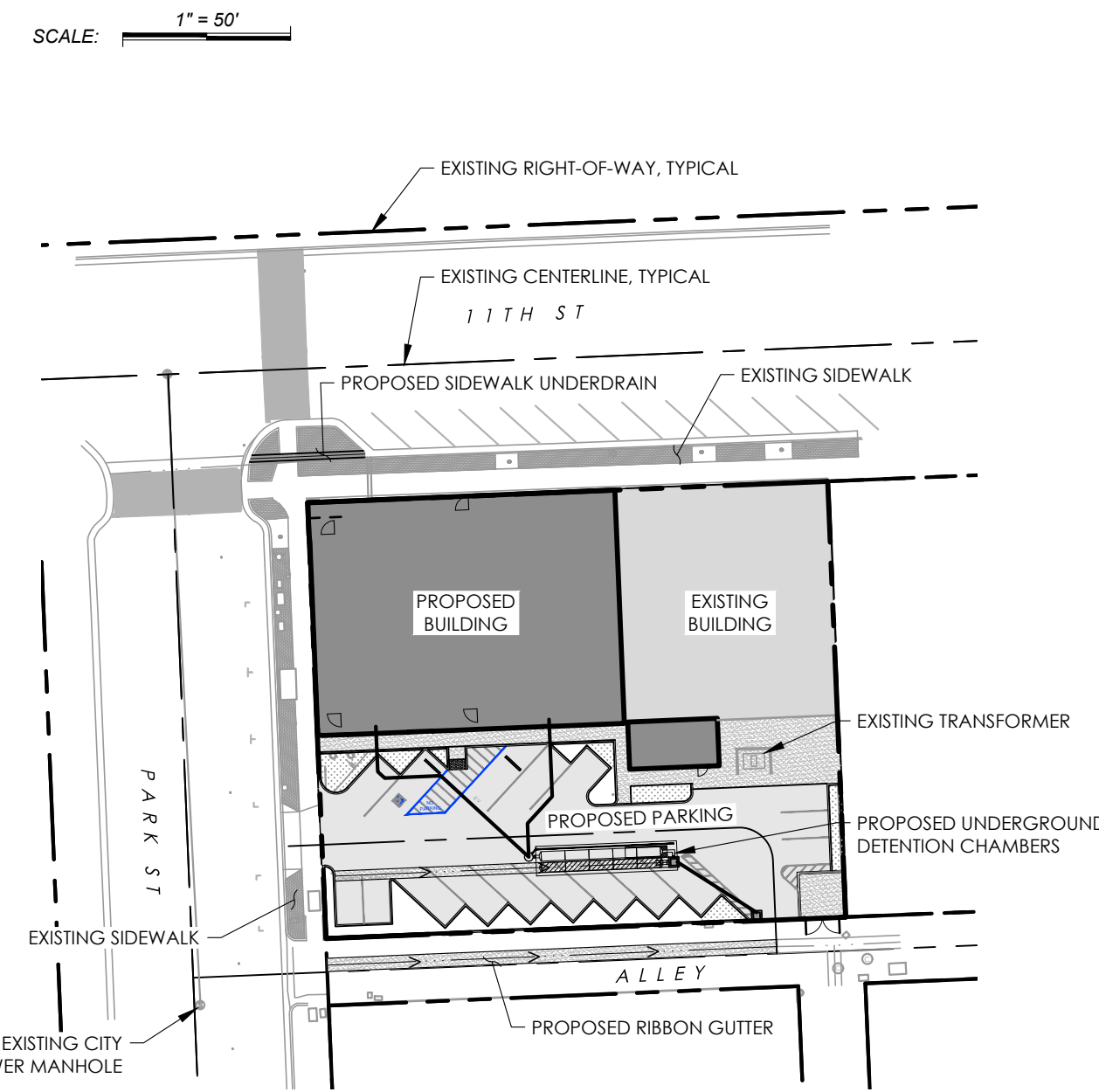
- 2022 Building Standards Codes
- California Energy Code
- California Building Code, Vols 1 & 2
- California Electrical Code
- California Fire Code
- California Green Building Code
- California Mechanical Code
- California Plumbing Code
- California Reference Standards Code
- California Residential Code County Building and Construction Ordinance - Title 19
- County Coastal Zone Land Use Ordinance - Title 23
- County Fire Code Ordinance - Title 16
- County Land Use Ordinance - Title 22

PROJECT STATISTICS

Cut **1,000** CY± *, Fill **100** CY± *, Total **1,100** CY±
Parking Lot Import Class 2 Base = **300** CY±
Max. cut = **3** ft, Max. fill = **3** ft
Average slope = **2** %
Max slope = **33** %
Parcel Area = **0.46** ac±
Pre-Project (sf ±)
Impervious Area = **15,000** , Total Project Area = **15,000**
Post-Project (sf ±)
Building = **6,365**
Sidewalk = **540**
Parking = **5,911**
Total Impervious Area = **13,860** , Pervious Area = **1,140**
New Imp. Area = **0** , Removed Imp. Area = **1,140**
Replaced Imp. Surface = **13,860**
Total Site Disturbance = **15,000**

APN: 009-104-001

SITE MAP



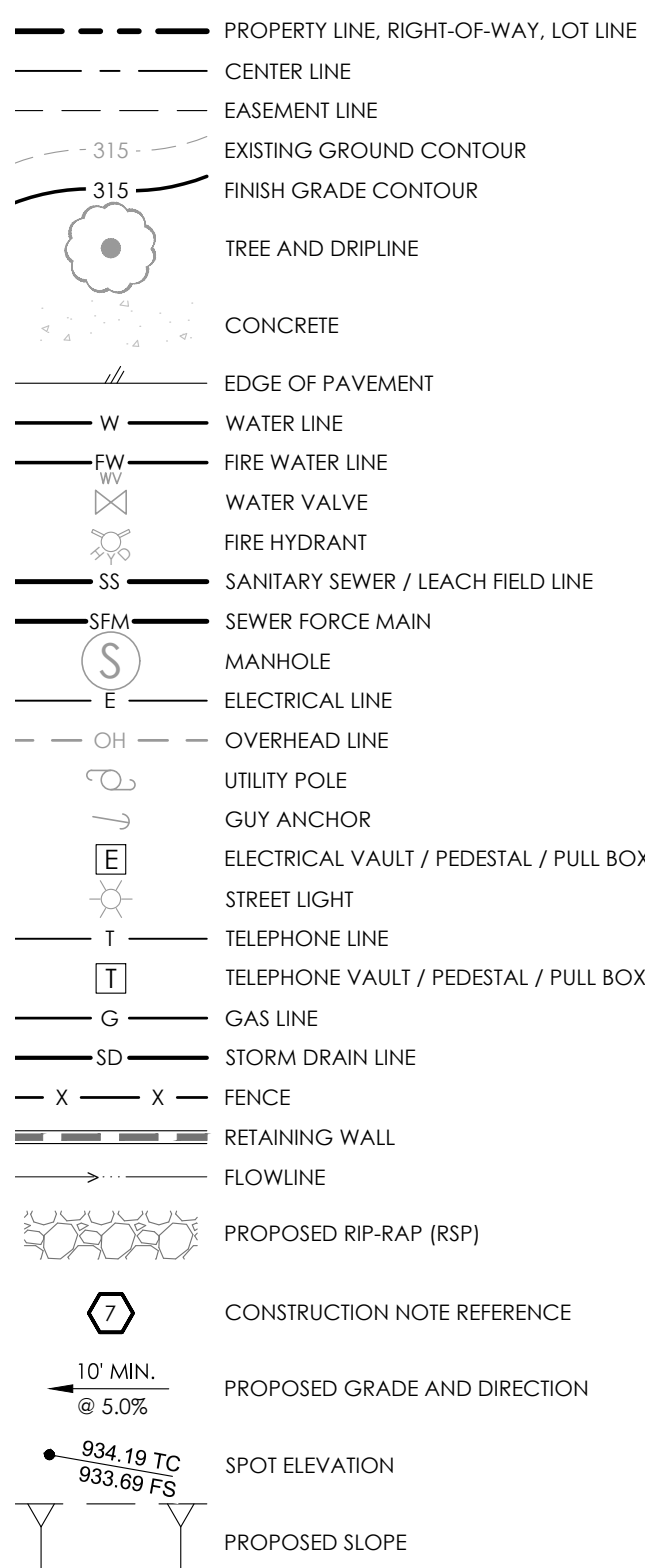
GENERAL SITE CONDITIONS:

- INFORMATION SHOWN OF ALL EXISTING IMPROVEMENTS ON THESE DRAWINGS IS TAKEN FROM FIELD SURVEY AND CITY OF PASO ROBLES RECORDS. THE CONTRACTOR SHALL VERIFY LOCATIONS OF ALL UTILITIES PRIOR TO BEGINNING OF WORK. ALL UTILITY LOCATIONS ON THIS PLAN ARE TAKEN FROM RECORD DRAWINGS. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (U.S.A. 811) FORTY- EIGHT (48) HOURS PRIOR TO BEGINNING ANY EXCAVATION. THE CONTRACTOR IS SOLELY RESPONSIBLE FOR PROTECTION OF ALL UNDERGROUND UTILITIES. THE CONTRACTOR SHALL EXPOSE AND VERIFY ALL CRITICAL SECTIONS OF EXISTING UTILITIES PRIOR TO COMMENCEMENT OF CONSTRUCTION.
- ALL CONSTRUCTION WORK AND INSTALLATION SHALL CONFORM TO THE CITY OF PASO ROBLES STANDARDS AND SPECIFICATIONS, AND ALL WORK SHALL BE SUBJECT TO THE APPROVAL OF THE CITY.
- WHEN INSUFFICIENT DETAILS OR SPECIFICATIONS ARE SHOWN, THE CALTRANS STANDARD SPECIFICATIONS AND STANDARD PLANS AND THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREEN BOOK) IS HEREBY REFERENCED AND INCLUDED.
- THE CONTRACTOR AGREES THAT HE/SHE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOB SITE DURING THE COURSE OF THE PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS. THE CONTRACTOR SHALL DEFEND, INDEMNIFY, AND HOLD THE ENGINEER, CITY AND OWNER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FROM LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE OWNER OR ENGINEER.
- THE ENGINEER SHALL CERTIFY THAT THE IMPROVEMENTS, WHEN COMPLETED, ARE IN ACCORDANCE WITH THE PLANS PRIOR TO THE REQUEST FOR FINAL INSPECTION. AS-BUILT PLANS ARE TO BE PREPARED AFTER CONSTRUCTION IS COMPLETED. THE ENGINEER CERTIFYING THE IMPROVEMENTS AND PREPARING THE AS-BUILT PLANS SHALL BE PRESENT AT THE FINAL INSPECTION.
- THE CITY MAY REQUIRE REVISIONS IN THE PLANS TO SOLVE UNFORESEEN PROBLEMS THAT MAY ARISE DURING THE COURSE OF CONSTRUCTION. ALL REVISIONS SHALL BE SUBJECT TO THE APPROVAL OF THE DEVELOPER'S ENGINEER.
- THE CONTRACTOR SHALL HAVE COPIES OF THE PLANS AND SPECIFICATIONS FOR THIS PROJECT ON THE SITE AT ALL TIMES. ALL CHANGES OCCURRING DURING THE PROJECT CONSTRUCTION SHALL BE RECORDED ON THESE PLANS, AND THEY SHALL BE TRANSMITTED TO THE PROJECT ENGINEER TO INCORPORATE INTO THE AS-BUILT RECORD.
- ALL STATIONING SHOWN ON THESE PLANS REFER TO CENTERLINE UNLESS OTHERWISE NOTED.
- TRAFFIC CONTROL REQUIRED PER CALTRANS AND CITY OF PASO ROBLES TECHNICAL SPECIFICATIONS FOR THIS JOB. CONTRACTOR WILL BE REQUIRED TO KEEP TWO-WAY TRAFFIC OPEN AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE CITY.
- THE CONTRACTOR SHALL FURNISH A TRAFFIC CONTROL PLAN PRIOR TO CONSTRUCTION AND SHALL PROVIDE THE APPROVED SIGNS, LIGHTS, BARRICADE, AND FLAGGING. ROAD CLOSURES MAY BE AUTHORIZED ONLY FOR EXTREME CIRCUMSTANCES.
- NO CONSTRUCTION SHALL BE STARTED WITHOUT PLANS APPROVED BY THE CITY ENGINEERING DEPARTMENT. THE CITY INSPECTOR SHALL BE NOTIFIED AT LEAST 48 HOURS PRIOR TO THE STARTING OF CONSTRUCTION. ANY WORK DONE WITHOUT APPROVAL PRIOR TO NOTIFYING THE CITY INSPECTOR MAY BE REJECTED AT THE CONTRACTORS AND/OR OWNERS' RISK.
- THE NAMES AND TELEPHONE NUMBERS OF THE PROJECT CONSTRUCTION SUPERINTENDENT(S) SHALL BE SUBMITTED AND KEPT ON FILE IN THE OFFICE OF THE CITY ENGINEER.
- THE ALLOWED HOURS OF OPERATION ARE 7:00 AM TO 7:30 PM, MONDAY THROUGH FRIDAY. ANY WORK REQUESTED ON WEEKENDS AND HOLIDAYS MUST BE SUBMITTED IN WRITING AT LEAST 24 HOURS IN ADVANCE.
- NO FIELD CHANGE SHALL BE ALLOWED WITHOUT WRITTEN APPROVAL BY THE CITY ENGINEER.
- ALL UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE PROJECT AND BE PLACED AT A SUITABLE DISPOSAL SITE.
- IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR(S) TO BE FULLY INFORMED OF AND TO COMPLY WITH ALL LAWS, ORDINANCES, CODES, REQUIREMENTS, AND STANDARDS WHICH IN ANY MANNER AFFECT THE COURSE OF CONSTRUCTION OF THIS PROJECT, THOSE ENGAGED OR EMPLOYED IN THE CONSTRUCTION, OR THE MATERIALS USED IN THE CONSTRUCTION.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF THE PUBLIC AND PRIVATE PROPERTY ADJACENT TO THE WORK AREA AND SHALL EXERCISE DUE CAUTION TO AVOID DAMAGE TO SUCH PROPERTY. THE CONTRACTOR SHALL REPLACE AND REPAIR TO THEIR ORIGINAL CONDITION ALL EXISTING IMPROVEMENTS WITHIN OR ADJACENT TO THE WORK AREA WHICH ARE NOT DESIGNED FOR REMOVAL, AND ARE DAMAGED OR REMOVED AS A RESULT OF HIS OPERATIONS, AND BE REQUIRED TO REPAIR OR REPLACE SAME TO THE SATISFACTION OF AND AS DIRECTED BY THE CITY INSPECTOR OR UTILITY COMPANY.
- ALL CONTRACTORS AND SUBCONTRACTORS WORKING WITHIN THE RIGHT-OF-WAY SHALL HAVE AN APPROPRIATE CONTRACTORS LICENSE, A LOCAL BUSINESS LICENSE, AND SHALL OBTAIN AN ENCROACHMENT PERMIT AS REQUIRED BY ANY AGENCY.

Sheet Index

Sheet Number	Sheet Title
1	Title Sheet
2	General Notes
3	Preliminary Grading & Drainage Plan
4	Preliminary Site Sections
5	Details

LEGEND



ABBREVIATIONS

AC	Asphalt Concrete Paving
AP	Angle Point
CO	Clean-out
CL	Centerline
CONC	Concrete
CONST	Construction
DIA & Ø	Diameter
ELEV	Elevation
(E) & (I)	Existing
FF	Finished Floor
FS	Finished Surface
FH	Fire Hydrant
FL	Flow Line
G	Gas
GB	Grade Break
GR	Finished Grade
HDPE	Hi-density Polyethylene
HP	High Point
INV	Invert Elevation
LT	Left
LF	Linear Feet
LP	Low Point
MH	Manhole
P	Power
PC	Point Of Curvature
PL	Property Line
PRC	Point Of Reverse Curvature
PT	Point Of Tangency
PUE	Public Utility Easement
PVC	Polyvinyl Chloride
R	Radius
RT	Right
RP	Radius Point
RW	Right-of-way
S	Slope
SD	Storm Drain
SS	Sanitary Sewer
STA	Station
T	Telephone
TW	Top Of Wall
TYP	Typical
W	Water

GENERAL GRADING NOTES:

- ALL GRADING SHALL CONFORM WITH THE CITY OF PASO ROBLES GRADING REQUIREMENTS AND THE 2022 CALIFORNIA BUILDING CODE, CHAPTER 18, THE STANDARDS AND REQUIREMENTS PERTAINING THERETO, AND THE RECOMMENDATIONS OF THE SOILS ENGINEER, UNDER ENGINEERED GRADING REQUIREMENTS.
- ALL GRADING SHALL CONFORM WITH THE RECOMMENDATIONS AND REQUIREMENTS OF THE PRELIMINARY SOILS INVESTIGATION REPORT BY THIS REPORT SHALL BE INCORPORATED INTO THIS PLAN AND MADE A PART HEREOF AS IF SPELLED OUT IN ITS ENTIRETY HEREON. GRADING INSPECTIONS SHALL BE ACCORDING TO 2022 CBC TABLES 1705.6 AND RECOMMENDATIONS OF THIS REPORT.
- AREAS TO BE GRADED SHALL BE CLEARED OF ALL VEGETATION, INCLUDING ROOTS AND OTHER MATERIAL UNSUITABLE FOR STRUCTURAL FILL, AND SCARIFIED TO A MINIMUM DEPTH OF 12 INCHES.
- IN AREAS TO RECEIVE FILL THE EXISTING SOILS SHALL BE SCARIFIED AND COMPACTED TO A MINIMUM OF NINETY PERCENT (90%) OF MAXIMUM DENSITY. THE FILL MATERIAL OBTAINED FROM OTHER AREAS ON THE SITE MAY BE PLACED IN THIN LAYERS AND COMPACTED TO A MINIMUM OF NINETY PERCENT (90%) OF MAXIMUM DENSITY. WHERE FILLS ARE PLACED ON SLOPES, A KEY SHALL BE CUT AT THE TOE OF THE SLOPE AT LEAST TEN FEET (10') WIDE AND INTO FIRM NATURAL SOILS. AS THE FILL MATERIAL IS PLACED UP THE SLOPE, BENCHES SHALL BE CUT AT REGULAR INTERVALS INTO FIRM NATURAL SOILS.
- PRIOR TO PLACEMENT OF FILL MATERIAL, THE PREPARED AREA SHALL BE INSPECTED AND APPROVED BY A CITY GRADING INSPECTOR AND THE SUPERVISING SOILS ENGINEER.
- CUT AND FILL SLOPES SHALL NOT EXCEED A GRADE OF TWO FEET HORIZONTAL TO ONE FOOT VERTICAL (2:1 MAXIMUM) UNLESS CERTIFIED STABLE BY THE SOILS ENGINEER AND APPROVED BY THE CITY ENGINEER.
- FILL MATERIAL, APPROVED BY THE SUPERVISING SOILS ENGINEER, SHALL BE PLACED IN LIFTS NOT EXCEEDING 6 INCHES IN COMPACTED THICKNESS, MOISTENED OR DRIED AS NECESSARY TO NEAR OPTIMUM MOISTURE CONTENT, AND COMPACTED BY AN APPROVED METHOD.
- FILL MATERIAL SHALL BE COMPACTED TO A MINIMUM OF NINETY PERCENT (90%) OF MAXIMUM DENSITY AS DETERMINED BY A S.T.M. D-1557-78 (MODIFIED TO 3 LAYERS) AND SO CERTIFIED BY TESTS AND REPORTS BY THE SUPERVISING SOILS ENGINEER. SOILS TEST SHALL BE CONDUCTED AT NOT LESS THAN ONE TEST FOR EACH EIGHTEEN (18) INCHES OF FILL AND FOR EACH FIVE-HUNDRED (500) CUBIC YARDS OF FILL.
- ALL SOILS WITHIN TWO FEET (2') OF FINISHED GRADE IN THE STREET SHALL BE COMPACTED TO NINETY-FIVE PERCENT (95%) RELATIVE COMPACTION.
- UTILITY TRENCH BACKFILL WITHIN THE STREET SECTIONS SHALL CONFORM TO THE REQUIREMENTS OF THE CITY OF PASO ROBLES.
- SURFACE DRAINAGE SHALL NOT BE LESS THAN TWO PERCENT (2%) EXCEPT FOR PAVED SURFACES AND POSITIVE DRAINAGE SHALL BE MAINTAINED AWAY FROM ALL STRUCTURES AND SLOPES.
- ALL UNSUITABLE SOILS MATERIALS, RUBBISH, AND DEBRIS RESULTING FROM GRADING OPERATIONS SHALL BE REMOVED FROM THE JOB SITE AND DISPOSED OF PROPERLY.
- SLOPE CONSTRUCTION REQUIREMENTS INCLUDING TERRACING SHALL BE SPECIFIED BY THE SUPERVISING SOILS ENGINEER PRIOR TO CONSTRUCTION OF GRADED SLOPES.
- THE CONTRACTOR SHALL EMPLOY ALL LABOR, EQUIPMENT AND METHODS REQUIRED TO PREVENT HIS OPERATIONS FROM PRODUCING DUST IN AMOUNTS DAMAGING TO PROPERTY, CULTIVATED VEGETATION AND DOMESTIC ANIMALS, OR CAUSING A NUISANCE TO PERSONS OCCUPYING BUILDINGS IN THE VICINITY OF THE JOB SITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ANY DAMAGE CAUSED BY DUST RESULTING FROM HIS OPERATIONS. DUST ABATEMENT MEASURES SHALL BE CONTINUED UNTIL RELIEF IS GRANTED BY THE GRADING INSPECTOR.
- ALL SLOPES OVER THREE FEET (3') HIGH SHALL BE PLANTED WITH PERENNIAL VEGETATION APPROVED BY THE CITY AND SHALL BE DENSE AND GROWING PRIOR TO FINAL INSPECTION.
- EARTH WORK QUANTITIES: CUT: **1,000** CY± FILL: **100** CY±
NOTE: EXACT SHRINKAGE, CONSOLIDATION AND SUBSIDENCE FACTORS AND LOSSES DUE TO CLEARING OPERATION ARE NOT INCLUDED. ESTIMATED EARTHWORK QUANTITIES ARE BASED ON THE DIFFERENCE AS SHOWN ON THE PLAN, OR SUBGRADES, AND SHOULD VARY ACCORDING TO THESE FACTORS.
- PRIOR TO ANY GRADING THE DEVELOPER SHALL BE RESPONSIBLE FOR SCHEDULING A PRE CONSTRUCTION MEETING WITH THE CITY AND OTHER AFFECTED AGENCIES. THE CONTRACTOR SHALL NOTIFY THE CITY AT LEAST TWENTY-FOUR (24) HOURS PRIOR TO ANY WORK BEING PERFORMED, AND ARRANGE FOR INSPECTION (CALL 805.237.3800).
- A SOILS ENGINEER SHALL SUPERVISE THE GRADING AND CERTIFY THAT ALL GRADING HAS BEEN COMPLETED IN CONFORMANCE WITH THESE PLANS AND THE RECOMMENDATION OF THE PRELIMINARY SOILS REPORT. FINAL SOILS REPORT SHALL BE PROVIDED IN ACCORDANCE WITH CHAPTER 18 OF THE C.B.C.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PROTECTION OF ALL EXISTING SURVEY MARKERS DURING CONSTRUCTION. ALL SUCH MONUMENTS OR MARKERS DISTURBED SHALL BE RESET AT CONTRACTORS' EXPENSE.
- ALL TOP SOIL SHALL BE STOCKPILED FOR LATER DISTRIBUTION OVER THE LOTS AND SLOPES. ALL CUT AND FILL SLOPES SHALL BE SEEDED AND MULCHED AS NECESSARY TO ACHIEVE DENSE AND GROWING VEGETATION PRIOR TO FINAL INSPECTION. A BOND MAY BE REQUIRED IF THE WEATHER IS INAPPROPRIATE FOR HYDROSEEDING.
- ALL ROUGH GRADING AND FINAL SOILS REPORT SHALL BE COMPLETED AND APPROVED BY THE CITY ENGINEER PRIOR TO ISSUANCE OF ANY BUILDING PERMITS.
- ANY OAK TREES ON THE SITE SHALL BE PROTECTED DURING CONSTRUCTION. AS OUTLINED IN THE CITY'S OAK TREE PRESERVATION ORDINANCE NO. 553, NO GRADING SHALL TAKE PLACE WITHIN THE DRIP LINE OF THE TREE WITHOUT THE APPROVAL OF THE DIRECTOR OF PUBLIC WORKS, AND AN INSPECTION MUST BE CALLED PRIOR TO ANY SUCH WORK TAKING PLACE. IF REMOVAL OF AN OAK TREE IS PROPOSED, AN APPLICATION MUST BE FILED WITH THE PUBLIC WORKS DEPARTMENT AND APPROVED BY THE CITY COUNCIL.
- ANY TEMPORARY STOCKPILES OF EARTH SHALL BE APPROVED BY THE CITY, AND SHALL NOT OBSTRUCT DRAINAGE OR CREATE EROSION DUST.
- THE CONTRACTOR SHALL SUBMIT AN EROSION CONTROL PLAN AND INSTALL THE APPROVED DRAINAGE DEVICES FOR WORK DURING THE RAINY SEASON OF OCTOBER THROUGH MARCH.

UNDERGROUND UTILITY NOTES:

- AN EFFORT HAS BEEN MADE TO DEFINE THE LOCATION OF UNDERGROUND FACILITIES WITHIN THE JOB SITE. HOWEVER, ALL EXISTING UTILITY AND OTHER UNDERGROUND STRUCTURES MAY NOT BE SHOWN ON THIS PLAN AND THEIR LOCATION WHERE SHOWN IS APPROXIMATE. THE CONSTRUCTION CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR LOCATING OR HAVING LOCATED ALL UNDERGROUND UTILITIES AND OTHER FACILITIES AND FOR PROTECTING THEM DURING CONSTRUCTION.
- ALL UTILITY COMPANIES MUST BE NOTIFIED PRIOR TO THE START OF CONSTRUCTION. THE CONSTRUCTION CONTRACTOR SHALL CONTACT UNDERGROUND SERVICE ALERT (USA) AT 811 TWO TO TEN (2 - 10) DAYS PRIOR TO THE START OF EXCAVATION AND SHALL VERIFY THE LOCATION OF ANY KNOWN UTILITIES AND WHETHER OR NOT A REPRESENTATIVE OF EACH COMPANY WILL BE PRESENT DURING EXCAVATION.

Roberts Engineering, Inc.

Approved for City Requirements
Development Services Engineer
Timothy P. Roberts, REC 53366 exp 09/30/23

City Plan Checker
TR / BLM
Job # 23

Record Drawings
Timothy P. Roberts, REC 53366 exp 09/30/23
Revisions This Sheet:

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Civil Engineer - REC 53366
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Email tim@robertsengineering.com
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EROSION CONTROL NOTES:

- SEDIMENT AND EROSION CONTROL BEST MANAGEMENT PRACTICES (BMP) SHALL BE IMPLEMENTED ON ALL PROJECTS AT ALL TIMES AND SHALL INCLUDE: POLLUTANT SOIL CONTROL, PROTECTION OF STOCKPILES, PROTECTION OF SLOPES, PROTECTION OF ALL DISTURBED AREAS, PROTECTION OF SITE ACCESS POINTS, AND PERIMETER CONTAINMENT MEASURES.
- APPROPRIATE BMP SHALL BE INSTALLED PRIOR TO THE COMMENCEMENT OF GRADING AND SITE DISTURBANCE ACTIVITIES. THE INTENT OF THE BMP SHALL BE TO PREVENT DISTURBED SEDIMENT FROM ENTERING DRAINAGE CONVEYANCES, GENERATING FUGITIVE DUST, OR MIGRATING ON ADJACENT PROPERTIES OR THE PUBLIC RIGHT-OF-WAY.
- SITE INSPECTIONS AND APPROPRIATE MAINTENANCE OF ALL BMP AND EROSION CONTROL MEASURES SHALL BE CONDUCTED AND DOCUMENTED THROUGHOUT CONSTRUCTION AND ESPECIALLY PRIOR TO, DURING, AND AFTER RAIN EVENTS.
- THE DEVELOPER SHALL BE RESPONSIBLE FOR THE INSTALLATION AND MAINTENANCE OF ALL BMP AS SPECIFIED BY THE APPROVED EROSION AND SEDIMENT CONTROL PLAN UNTIL SUCH TIME THAT THE PROJECT IS ACCEPTED AS COMPLETE BY THE COUNTY OR UNTIL THE CALIFORNIA CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGE NOTICE OF TERMINATION IS APPROVED BY THE STATE WATER RESOURCES CONTROL BOARD.
- EROSION CONTROL BMP MAY BE RELOCATED, MODIFIED, OR ADDED DEPENDING ON FIELD CONDITIONS ENCOUNTERED DURING CONSTRUCTION. ADDITIONAL BMP SHALL BE INSTALLED AT THE DISCRETION OF THE SITE SUPERINTENDENT, ENGINEER OF WORK, COUNTY INSPECTOR, QUALIFIED SWPPP PRACTITIONER (QSP), OR STATE WATER RESOURCES CONTROL BOARD. GUIDELINES FOR INSTALLING APPROPRIATE EROSION CONTROL DEVICES SHALL BE INCLUDED IN THE PLANS WITH ADDITIONAL MEASURES/DEVICES NOTED.
- SEDIMENT AND EROSION CONTROL BMP SHALL BE AVAILABLE, INSTALLED, AND/OR APPLIED PRIOR TO COMMENCEMENT OF CONSTRUCTION, INSTALLED APPROPRIATELY AS CONSTRUCTION PROGRESSES, AND MAINTAINED IN OPERABLE CONDITION UNTIL FINAL STABILIZATION OF THE SITE IS ACHIEVED. SEDIMENT AND EROSION CONTROL BMP ARE REQUIRED YEAR-ROUND.
- WET WEATHER PREPARATION: THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE TO REVIEW THE CONDITION OF THE PROJECT SITE PRIOR TO OCTOBER 15 (RAINY SEASON) AND TO COORDINATE AN ENHANCED BMP IMPLEMENTATION PLAN FOR WET WEATHER CONDITIONS. A LOCALLY BASED STANDBY CREW FOR EMERGENCY WORK SHALL BE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON (OCTOBER 15 THROUGH APRIL 15). NECESSARY MATERIALS SHALL BE AVAILABLE AND STOCK PILED AT CONVENIENT LOCATIONS TO FACILITATE RAPID MAINTENANCE OR REPAIR OF THE BMP THROUGHOUT THE RAINY SEASON.
- IN THE EVENT OF A FAILURE, THE DEVELOPER AND/OR HIS REPRESENTATIVE SHALL BE RESPONSIBLE FOR CLEANUP AND ALL ASSOCIATED COSTS OR DAMAGE. IN THE EVENT THAT DAMAGE OCCURS WITHIN THE RIGHT-OF-WAY AND THE CITY IS REQUIRED TO PERFORM CLEANUP, THE OWNER SHALL BE RESPONSIBLE FOR CITY REIMBURSEMENT OF ALL ASSOCIATED COSTS OR DAMAGE.
- IN THE EVENT OF REPEATED FAILURE AND/OR LACK OF PERFORMANCE BY THE DEVELOPER AND/OR CONTRACTOR TO CORRECT SEDIMENT AND EROSION CONTROL RELATED PROBLEMS, THE DEPARTMENT MAY REVOKE ALL ACTIVE PERMITS. THE CITY MAY ISSUE A WRITTEN NOTICE OF WORK ORDERS IN ACCORDANCE WITH SECTION 22.190 OR 23.10 OF THE COUNTY LAND USE ORDINANCE. DAILY PENALTIES MAY BE ASSESSED BY CITY CODE ENFORCEMENT FOR FAILURE TO COMPLY.
- FINAL STABILIZATION OF THE SITE SHALL BE ESTABLISHED ON ALL DISTURBED SURFACES PRIOR TO FINAL ACCEPTANCE. WHEN VEGETATION IS USED FOR FINAL STABILIZATION, VEGETATION MUST BE MIXED AND APPLIED IN ACCORDANCE WITH THE BELOW TABLE AND SPECIFICATIONS. TEMPORARY EROSION CONTROL MEASURES SHALL REMAIN IN PLACE UNTIL FINAL STABILIZATION IS ACHIEVED.

SPECIES	POUNDS PER ACRE
CALIFORNIA BROME (BROMUS CARINATUS) ("CUCAMONGA")	12 LBS/AC
SMALL FESCUE (FESTUCA MICROSTACHYS)	5 LBS/AC
LOMA LILY CLOVER (TRIFOLIUM WILLEDENOVII)	2 LBS/AC
CALIFORNIA POPPY (ESCHSCHOLZIA CALIFORNICA)	1.5 LBS/AC
SKY LUPINE (LUPINUS NANUS)	2 LBS/AC
COQUEBLES (ASTRENA CALIFORNICA)	0.5 LBS/AC

 INSTALL SEED MIX AT RATE OF 23 POUNDS PER ACRE ON ALL DISTURBED, UNCOMPACTED SOILS. INCORPORATE COMPOST, FIBER, AND TACKIFIER PER APPLICATION SPECIFICATIONS BASED ON SITE SOIL TYPE AND SOIL pH.
- THE COUNTY AIR POLLUTION CONTROL DISTRICT (APCD) MAY HAVE ADDITIONAL PROJECT SPECIFIC EROSION CONTROL REQUIREMENTS. THE CONTRACTOR, DEVELOPER, AND ENGINEER OF WORK SHALL BE RESPONSIBLE FOR MAINTAINING SELF-REGULATION OF THESE REQUIREMENTS.
- IF CONSTRUCTION GENERAL PERMIT FOR STORMWATER DISCHARGE ENROLLMENT IS NECESSARY, THE DEVELOPER (OR LEGALLY RESPONSIBLE AGENT) SHALL SUBMIT THE REQUIRED PERMIT REGISTRATION DOCUMENTS TO THE STATE WATER RESOURCES CONTROL BOARD AND PROVIDE PROOF OF ENROLLMENT TO THE COUNTY PRIOR TO COMMENCEMENT OF CONSTRUCTION ACTIVITIES.

THE PROJECT WASTE DISCHARGE IDENTIFICATION NUMBER (WIDD#) IS:
NA; LESS THAN ONE ACRE SITE DISTURBANCE

SPECIAL INSPECTIONS:

- ALL CONSTRUCTION & INSPECTIONS SHALL CONFORM TO 2022 CALIFORNIA BUILDING CODE (CBC) CHAPTER 17.
- SPECIAL INSPECTION REQUIREMENT ARE REQUIRED FOR THIS PROJECT. THE OWNER OR REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE ACTING AS THE OWNER'S AGENT SHALL EMPLOY ONE OR MORE SPECIAL INSPECTORS TO PROVIDE INSPECTIONS DURING CONSTRUCTION ON ALL TASKS IDENTIFIED BELOW.
- SPECIAL INSPECTORS SHALL BE A QUALIFIED PERSON WHO SHALL DEMONSTRATE COMPETENCE, TO THE SATISFACTION OF THE CITY BUILDING DEPARTMENT. NAMES AND QUALIFICATIONS OF SPECIAL INSPECTOR(S) SHALL BE SUBMITTED TO THE CITY BUILDING DEPARTMENT FOR APPROVAL.
- EACH CONTRACTOR RESPONSIBLE FOR THE CONSTRUCTION OF COMPONENTS LISTED IN THE SPECIAL INSPECTIONS SHALL SUBMIT A WRITTEN STATEMENT OF RESPONSIBILITY TO THE CITY BUILDING DEPARTMENT AND THE OWNER PRIOR TO THE COMMENCEMENT OF WORK. THE STATEMENT SHALL CONTAIN THE ITEMS LISTED IN CBC 1706.1.
- A FINAL REPORT PREPARED BY A SOIL OR CIVIL ENGINEER SHALL BE SUBMITTED TO THE FIELD INSPECTOR STATING THE WORK PERFORMED IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS, APPLICABLE CODES, AND IS FOUND TO BE SUITABLE TO SUPPORT THE INTENDED STRUCTURE. SUCH REPORT SHALL INCLUDE ANY FIELD PROGRESS REPORTS, COMPARISON DATA, ETC.

SECTION 1705. STATEMENT OF SPECIAL INSPECTIONS:

- 1705.1 GENERAL WHERE SPECIAL INSPECTION OR TESTING IS REQUIRED BY SECTION 1704, 1707 OR 1708, THE REGISTERED DESIGN PROFESSIONAL IN RESPONSIBLE CHARGE SHALL PREPARE A STATEMENT OF SPECIAL INSPECTIONS IN ACCORDANCE WITH SECTION 1705 FOR SUBMITTAL BY THE PERMIT APPLICATION (SEE SECTION 1704.1.1).
- 1705.2 CONTENT OF STATEMENT OF SPECIAL INSPECTIONS. THE STATEMENT OF SPECIAL INSPECTIONS SHALL IDENTIFY THE FOLLOWINGS:
 - THE MATERIALS, SYSTEMS, COMPONENTS AND WORK REQUIRED TO HAVE SPECIAL INSPECTION OR TESTING BY THE BUILDING OFFICIAL OR BY THE REGISTERED DESIGN PROFESSIONAL RESPONSIBLE FOR EACH PORTION OF THE WORK.
 - THE TYPE AND EXTENT OF EACH SPECIAL INSPECTION.
 - THE TYPE AND EXTENT OF EACH TEST.
 - ADDITIONAL REQUIREMENTS FOR SPECIAL INSPECTION OR TESTING FOR SEISMIC OR WIND RESISTANCE AS SPECIFIED IN SECTION 1705.3, 1705.4, 1707 OR 1708.
 - FOR EACH TYPE OF SPECIAL INSPECTION, IDENTIFICATION AS TO WHETHER IT WILL BE CONTINUOUS/SPECIAL INSPECTION OR PERIODIC/SPECIAL INSPECTION.

- SECTION (TABLE) 1705.6 REQUIRED VERIFICATION AND INSPECTION OF SOILS.**
- VERIFY MATERIALS BELOW FOOTINGS ARE ADEQUATE TO ACHIEVE THE DESIGN BEARING CAPACITY SHALL BE PERFORMED PERIODICALLY DURING TASK.
 - VERIFY EXCAVATIONS ARE EXTENDED TO PROPER DEPTH AND HAVE REACHED PROPER MATERIAL. SHALL BE PERFORMED PERIODICALLY DURING TASK.
 - PERFORM CLASSIFICATION AND TESTING OF CONTROLLED FILL MATERIALS. SHALL BE PERFORMED PERIODICALLY DURING TASK.
 - VERIFY USE OF PROPER MATERIALS, DENSITIES AND LIFT THICKNESSES DURING PLACEMENT AND COMPACTION OF CONTROLLED FILL. SHALL BE PERFORMED CONTINUOUSLY DURING TASK.
 - PRIOR TO PLACEMENT OF CONTROLLED FILL, OBSERVE SUBGRADE AND VERIFY THAT SITE HAD BEEN PREPARED PROPERLY. SHALL BE PERFORMED PERIODICALLY DURING TASK.

- OBSERVATION & TESTING PROGRAM.**
- THE PROJECT SOILS ENGINEER SHALL PERFORM THE INSPECTION & TESTING FOR THE FOLLOWING TASKS:
- FINAL PLANS
 - STRIPPING AND CLEARING OF VEGETATION

- RECOMPACTION OF SCARIFICATION SOILS
- FILL PLACEMENT AND COMPACTION
- OVER EXCAVATING
- VERIFICATION OF SOILS TYPE & DEPTH
- FINAL REPORT

THE SOIL ENGINEER OF WORK SHALL BE:

SOILS REPORT # _____

THE PROJECT ENGINEER OF WORK SHALL PERFORM THE INSPECTION FOR THE FOLLOWING TASKS:

- ROUGH GRADING & SITE PREPARATION
 - FINAL GRADING INSPECTION PRIOR TO FINAL COUNTY INSPECTION
- THE PROJECT ENGINEER OF WORK SHALL BE
 TIM ROBERTS, RCE 35366
 ROBERTS ENGINEERING, INC.
 2015 VISTA DE LA VINA
 TEMPLETON, CA 93465
 805.239.0664

THE ENGINEER OF WORK SHALL STATE IN WRITING THE WORK IS IN SUBSTANTIAL CONFORMANCE WITH THE APPROVED PLANS.

THE PERSON RESPONSIBLE FOR BMP INSPECTION IS:

ENGINEER'S NOTES:

NO PUBLIC IMPROVEMENTS ARE PLANNED OR ANTICIPATED ON THIS PROJECT EXCEPT THE DRIVEWAY APPROACH AND UTILITY CONNECTIONS. ALL ONSITE IMPROVEMENTS WILL BE SUPERVISED BY THE BUILDING CONTRACTOR OR WILL BE SUBCONTRACTED TO APPROPRIATE PROFESSIONALS. THESE PLANS RE BASE UPON ITEMS SUCH AS TOPOGRAPHY MAPS, RECORD PROPERTY MAPS, MUNICIPAL CODES AND SPECIFICATIONS, SOIL REPORTS, STRUCTURAL REPORTS, TRAFFIC REPORTS OR OTHER PROFESSIONAL REPORTS AND INFORMATION SUPPLIED BY AND PREPARED BY OTHERS. ROBERTS ENGINEERING, INC. ASSUMES NO RESPONSIBILITY FOR THE INCORRECT, INACCURATE OR INSUFFICIENT INFORMATION SUPPLIED TO AT THE TIME OF PROJECT DESIGN OR REVISIONS.

SITE DISTURBANCE:

THE OWNER OR CONTRACTOR ARE TO ENSURE THAT THE LIMITS OF SITE DISTURBANCE CONFORM TO THE APPROVED GRADING LIMITS. CONTACT THE ENGINEER OF RECORD FOR ALL CHANGES THAT AFFECT THE LIMITS OF GRADING SHOWN ON THE PLANS. EXCEEDING THE DISTURBANCE AREA MAY REQUIRE ADDITIONAL SITE INSPECTIONS. IF THE AREA OF DISTURBANCE EXCEED ONE ACRE, THEN A STORM WATER POLLUTION PREVENTION PLAN (SWPPP) IS REQUIRED BY THE STATE WATER QUALITY CONTROL BOARD. THE LOCAL AGENCY INSPECTOR MAY REQUIRE THE ENGINEER TO CERTIFY THE AREA OF DISTURBANCE AND THIS MAY REQUIRE ADDITIONAL SITE SURVEYING.

EARTHWORK:

- EXACT SHRINKAGE, CONSOLIDATION AND SUBSIDENCE FACTORS AND LOSSES ARE DUE TO CLEARING ARE NOT INCLUDED IN THE ESTIMATES NOTED. THE GRADING CONTRACTOR IS RESPONSIBLE TO DETERMINE EXACT QUANTITIES AND BID ACCORDINGLY.
- ANY EXCESS MATERIAL WILL BE SPREAD AND STABILIZED ONSITE AND BE PLACED OUTSIDE OF BUILDING AREA AS NON-STRUCTURAL FILL.

ACCESSIBILITY COMPLIANCE:

THE CONTRACTOR SHALL CONFIRM ALL GRADES ARE IN COMPLIANCE WITH ADA AND CBC ACCESSIBILITY STANDARDS PRIOR TO POURING CONCRETE. ANY DISCREPANCIES DISCOVERED SHALL BE RELAYED TO THE DESIGN ENGINEER PROMPTLY FOR DISPOSITION.

SURVEYING:

- THE PROJECT SURVEYOR SHALL PROVIDE ELEVATIONS ON THE SAW CUT LINE AT 25-FOOT STATIONS PER PLAN. STATIONING SHALL BE NOTED EITHER ON THE STAKE OR PAINTED ON THE ASPHALT. AND A CUT SHEET SHALL BE PROVIDED TO THE PROJECT ENGINEER PRIOR TO CONSTRUCTION.
- THE FOOTPRINT OF THE RESIDENCE/STRUCTURE SHOWN HEREON IS BASED UPON A GRAPHIC EXHIBIT PROVIDED BY THE OWNER. WHILE ASSUMED ACCURATE FOR PURPOSES OF THIS PLAN, IT IS NOT INTENDED FOR PRECISE BUILDING LAYOUT. THE PROJECT SURVEYOR WILL BE RESPONSIBLE TO OBTAIN THE CURRENT AND CORRECT ARCHITECTURAL PLANS AND CONFIRM PROPERTY SETBACKS.
- IF THIS PROJECT REQUIRES FIELD STAKING AFTER DESIGN (I.E. BUILDING CORNERS, PAD LIMITS, DRIVEWAY/FROAD) THE SURVEYOR SHALL TAKE SPECIAL NOTE IF THIS DESIGN IS A USER COORDINATE SYSTEM AND NOT A WORLD COORDINATE SYSTEM SUPPLIED BY THE TOPOGRAPHIC MAP.
- PROJECT DESIGN IS BASED ON A SURVEY UNLESS OTHERWISE NOTED. IT DOES NOT ACCOUNT FOR ANY SURVEYING OMISSIONS OR ANY EXISTING IMPROVEMENTS NOT PROVIDED SUCH AS SEPTIC SYSTEMS, WELLS, UTILITIES, ETC. THAT ARE UNDERGROUND OR OTHERWISE HIDDEN. THE SURVEYOR MAY NOT HAVE ACCESS TO NEIGHBORING PROPERTIES TO LOCATE IMPROVEMENTS AND TOPOGRAPHY THAT MAY OR MAY NOT AFFECT THE PROJECT DESIGN.

RETAINING WALLS:

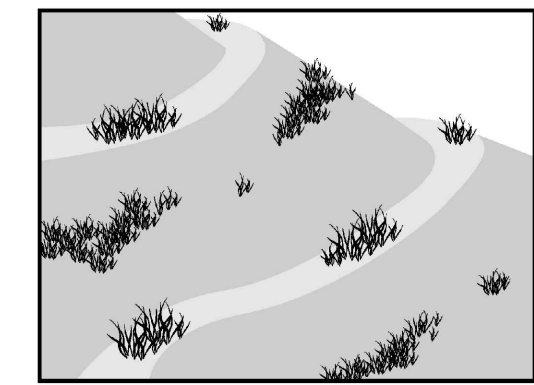
WALLS THAT EXCEED 42" IN HEIGHT OR SUPPORT A SURCHARGE MUST BE DESIGNED BY A STRUCTURAL ENGINEER/ARCHITECT. WALLS THAT EXCEED 30" IN HEIGHT SHALL PROVIDE A 42" HIGH HAND RAIL/FENCE ON TOP PER CBC 101.1.1. RAIL OPENINGS SHALL NOT PERMIT PASSAGE OF A 4" DIAMETER SPHERE.
 RETAINING WALLS TOTAL LENGTH = _____ ±
 RETAINING WALLS MAX HEIGHT = 48"

SPECIAL INSPECTOR CONTACT INFORMATION:

TABLE 1705.6 REQUIRED VERIFICATION AND INSPECTION OF SOILS

VERIFICATION AND INSPECTION TASK	CONTINUOUS DURING TASK LISTED	PERIODICALLY DURING TASK LISTED	INSPECTION REQUIRED
1. Verify materials below shallow foundations are adequate to achieve the design bearing capacity.	-	X	<input checked="" type="checkbox"/>
2. Verify excavations are extended to proper depth and have reached proper material.	-	X	<input checked="" type="checkbox"/>
3. Perform classification and testing of compacted fill materials.	-	X	<input checked="" type="checkbox"/>
4. Verify use of proper materials, densities and lift thicknesses during placement and compaction of compacted fill.	X	-	<input checked="" type="checkbox"/>
5. Prior to placement of compacted fill, observe subgrade and verify that site has been prepared properly.	-	X	<input checked="" type="checkbox"/>

Hydroseeding

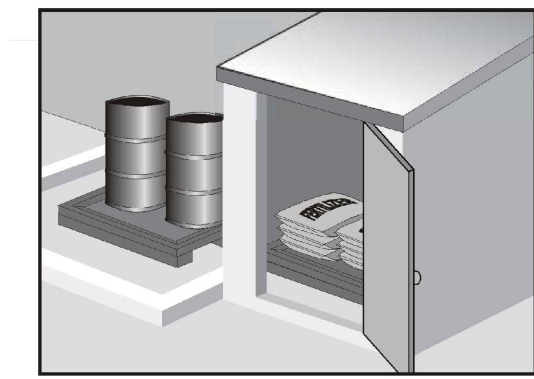


Description and Purpose
 Hydroseeding typically consists of applying a mixture of a hydraulic mulch, seed, fertilizer, and stabilizing emulsion with a hydraulic mulcher, to temporarily protect exposed soils from erosion by water and wind. Hydraulic seeding, or hydroseeding, is simply the method by which temporary or permanent seed is applied to the soil surface.

Suitable Applications
 Hydroseeding is suitable for disturbed areas requiring temporary protection until permanent stabilization is established, for disturbed areas that will be re-disturbed following an extended period of inactivity, or to apply permanent stabilization measures. Hydroseeding without mulch or other cover (e.g. RC-2 Erosion Control Blanket) is not a stand-alone erosion control BMP and should be combined with additional measures until vegetation establishment.

- Typical applications for hydroseeding include:
- Disturbed soil/graded areas where permanent stabilization or continued earthwork is not anticipated prior to seed germination.
 - Cleared and graded areas exposed to seasonal rains or temporary irrigation.
 - Areas not subject to heavy wear by construction equipment or high traffic.

Material Delivery and Storage WM-1

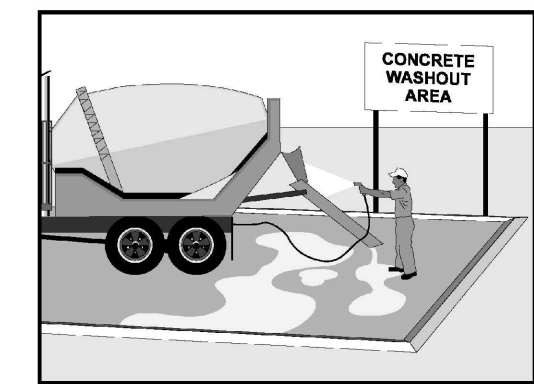


Description and Purpose
 Prevent, reduce, or eliminate the discharge of pollutants from material delivery and storage to the stormwater system or watercourses by minimizing the storage of hazardous materials (such as petroleum products, pesticides, herbicides, etc.) in a completely enclosed designated area, installing secondary containment, conducting regular inspections, and training employees and subcontractors.

This best management practice covers only material delivery and storage. For other information on materials, see WM-2. Material Use: WM-1a, Spill Prevention and Control. For information on wastes, see the waste management BMPs in this section.

- Suitable Applications**
 These practices are suitable for use at all construction sites with delivery and storage of the following materials:
- Soil stabilizers and binders
 - Pesticides and herbicides
 - Fertilizers
 - Detergents
 - Plaster
 - Petroleum products such as fuel, oil, and grease

Concrete Waste Management WM-8



Description and Purpose
 Prevent the discharge of pollutants to stormwater from concrete waste by conducting washout onsite or offsite in a designated area, and by employee and subcontractor training. The General Permit incorporates Numeric Action Levels (NAL) for pH (see Section 2 of this handbook to determine your project's risk level and if you are subject to these requirements).

Many types of construction materials, including mortar, concrete, stucco, cement and block and their associated wastes have basic chemical properties that can raise pH levels outside of the permitted range. Additional care should be taken when managing these materials to prevent them from coming into contact with stormwater flows and raising pH to levels outside the allowed range.

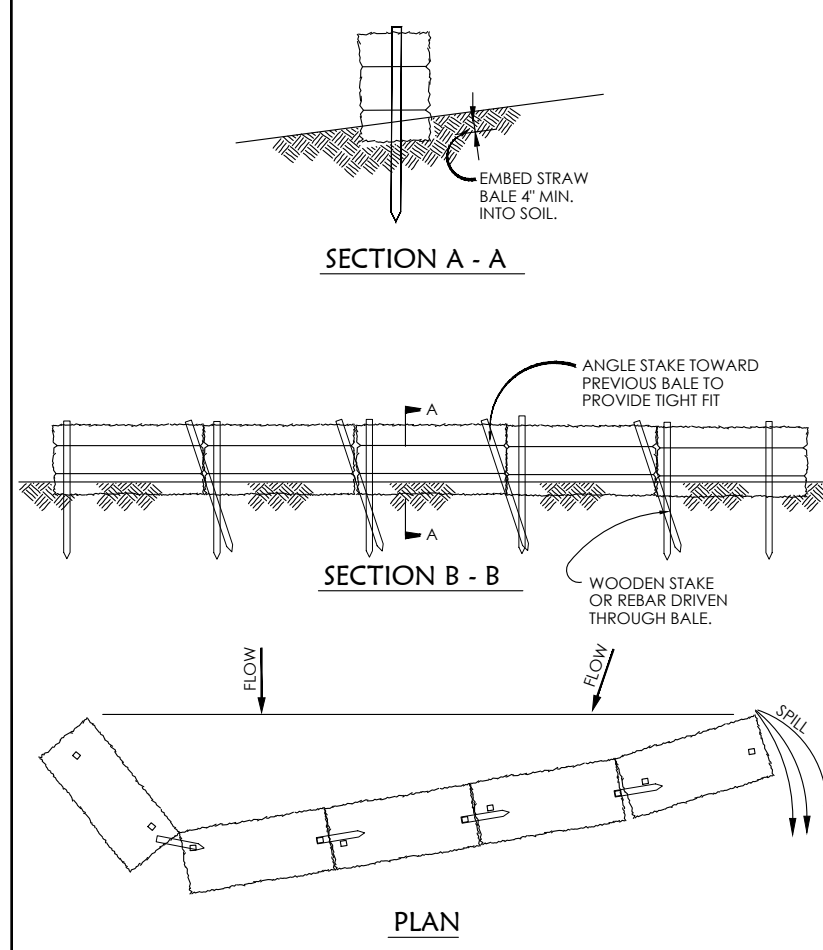
- Suitable Applications**
 Concrete waste management procedures and practices are implemented on construction projects where:
- Concrete is used as a construction material or where concrete dust and debris result from demolition activities.
 - Slurries containing portland cement concrete (PCC) are generated, such as from saw cutting, cutting, grinding, grooving, and hydro-concrete demolition.
 - Concrete trucks and other concrete-coated equipment are washed onsite.

EC-4

- Categories**
- EC Erosion Control
 - SE Sediment Control
 - TC Tracking Control
 - WE Wind Erosion Control
 - NS Non-Stormwater Management Control
 - WM Waste Management and Materials Pollution Control
- Legend:**
- Primary Category
 - Secondary Category

- Targeted Constituents**
- Sediment
 - Nutrients
 - Trash
 - Metals
 - Bacteria
 - Oil and Grease
 - Organics

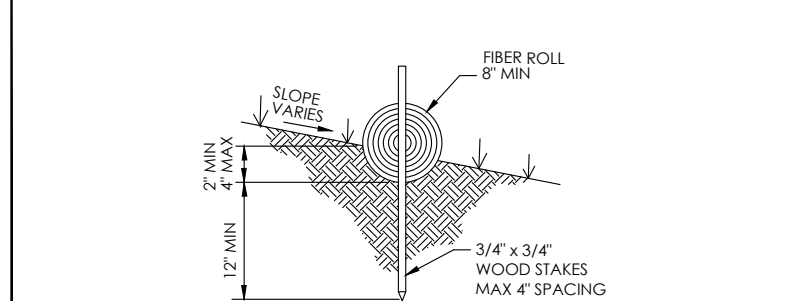
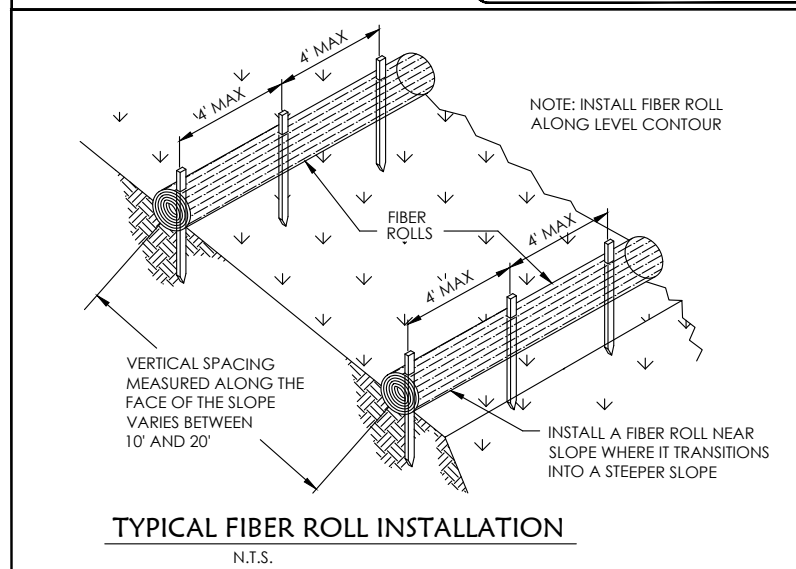
- Potential Alternatives**
- EC-3 Hydraulic Mulch
 - EC-5 Straw Blanket
 - EC-6 Straw Mulch
 - EC-7 Geotextiles and Mats
 - EC-8 Wood Mulching
 - EC-14 Compact Blanket
 - EC-16 Bio-Vegetative Stabilization
- If User/Subscriber modifies this list sheet in any way, the CASQA name/logo and footer below must be removed from each page and not appear on the modified version.



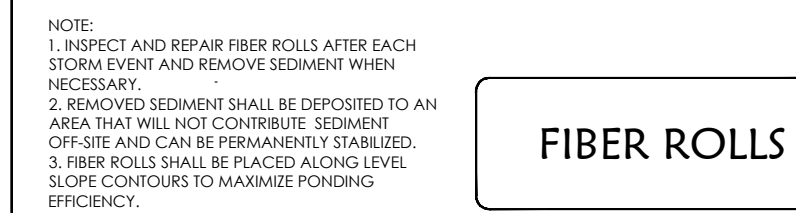
NOTES:
 1. THE STRAW BALES SHALL BE PLACED ON SLOPE CONTIGUOUS.

2. BALES TO BE PLACED IN A ROW WITH THE ENDS TIGHTLY ABUTTING. USE STRAW, ROCKS, OR FIBER FABRIC TO FILL GAPS BETWEEN THE BALES AND TAMP THE BACKFILL MATERIAL TO PREVENT EROSION ON FLOW-WARDING BALES.

STRAW BALE DIKE

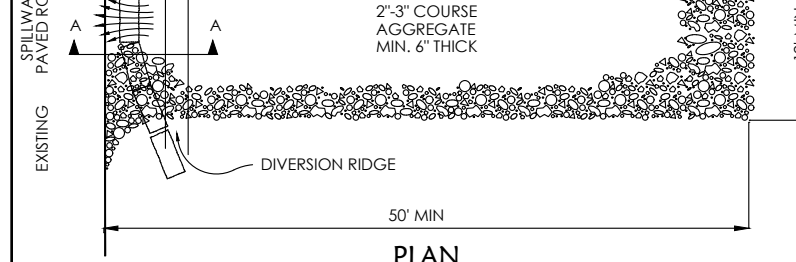
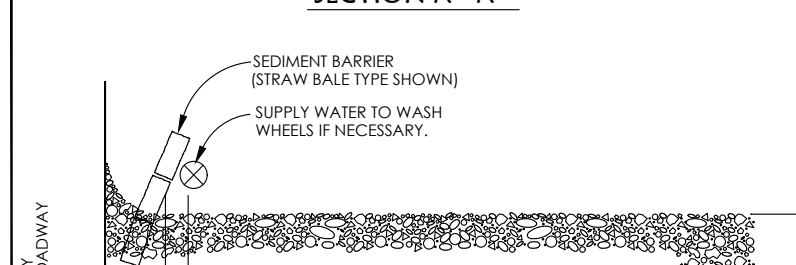
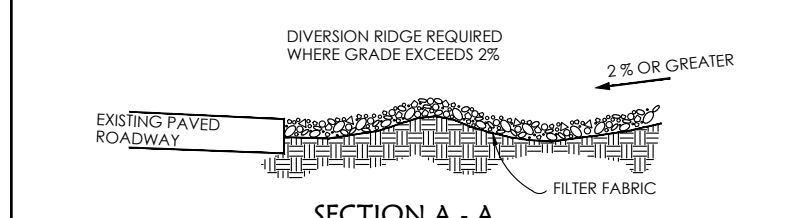


ENTRENCHMENT DETAIL



FIBER ROLLS

NOTE:
 1. INSPECT AND REPAIR FIBER ROLLS AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN CAULFILLS ARE FULL.
 2. REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND CAN BE PERMANENTLY STABILIZED.
 3. FIBER ROLLS SHALL BE PLACED ALONG LEVEL SLOPE CONTIGUOUS TO MAXIMIZE FLOWING EFFICIENCY.



TEMPORARY CONSTRUCTION ENTRANCE/EXIT

NOTES:
 1. THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO THE PUBLIC RIGHT-OF-WAY. THIS MAY REQUIRE TOP DRESSING, GROUING, AND HYDRO-CONCRETE DEMOLITION.
 2. WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHT-OF-WAY.
 3. WHEN WASHING IS REQUIRED, WASHING SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.

Roberts Engineering, Inc.
 Park Hotel Mixed Use - 800 11th Street, Paso Robles

General Notes

City/Year Checker: _____
 TR / BLM
 Job # 23
 City/POC No. _____
 California Coordinates (CC88 - Zone 9) 5762349 E 2424721 N

Record Drawings

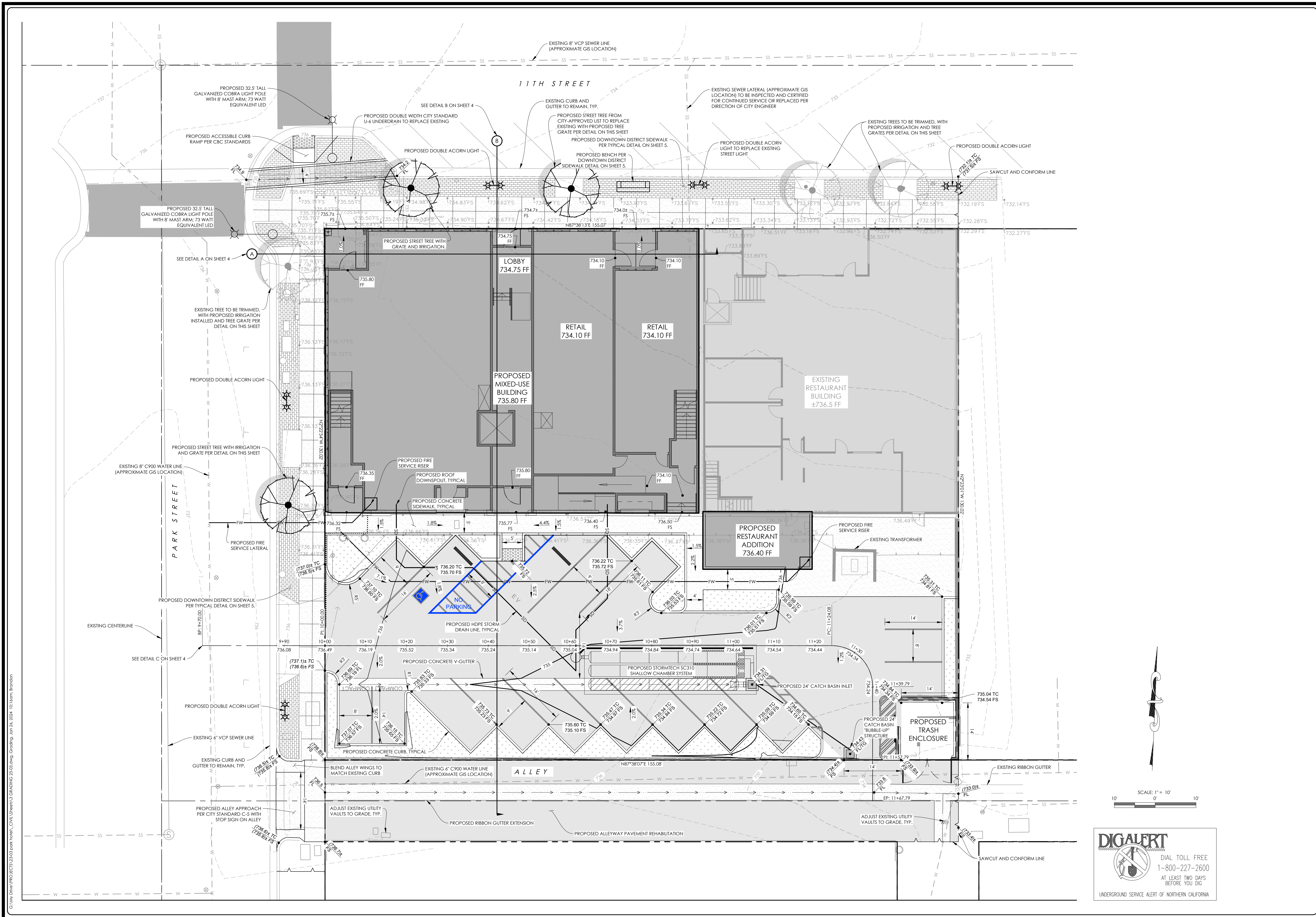
Timothy P. Roberts, RCE 35366 exp 09/30/23
 Revisions This Sheet:

1	2015 Vista de la Vina
2	Plan No. (RCE) 239-0664
3	Plan No. (RCE) 238-0148
4	Plan No. (RCE) 238-0148
5	Plan No. (RCE) 238-0148
6	Plan No. (RCE) 238-0148

Roberts Engineering
 Timothy P. Roberts
 Civil Engineer - RCE 35366
 2015 Vista de la Vina
 Paso Robles, CA 93426
 Phone (805) 239-0664
 Fax (805) 238-0148
 Email: tim@robertsengr.com
 Website: robertsengr.com

REGISTERED PROFESSIONAL ENGINEER
 TIMOTHY P. ROBERTS
 35366
 Exp. 9/30/25
 CIVIL
 STATE OF CALIFORNIA

SHEET
 2 of 6



Roberts Engineering, Inc.
 Park Hotel Mixed Use - 800 11th Street, Paso Robles
 Preliminary Grading & Drainage Plan

City Plan Checker	Approved for City Requirements	Date
TR / BLM	Development Services Engineer	01.26.2024
Job #	City W/C No.	DOB
23		
California Coordinates (CC88, Zone 5)	5762349 E 242472 N	

Record Drawings

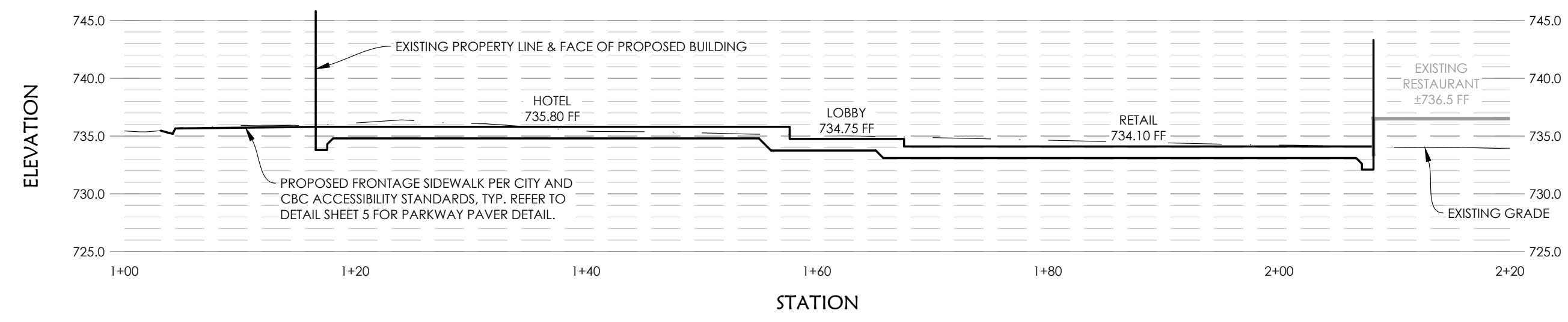
Timothy P. Roberts, P.E. 35366 exp 07/20/23	Date
Revisions This Sheet:	
1	
2	
3	
4	
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Roberts Engineering
 Timothy P. Roberts
 Civil Engineer - RCE 35366
 2015 Vista de la Vina
 Paso Robles, CA 93426
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DIGALERT
 DIAL TOLL FREE
 1-800-227-2600
 AT LEAST TWO DAYS
 BEFORE YOU DIG
 UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
 TIMOTHY P. ROBERTS
 35366
 Exp. 9/30/25
 CIVIL
 STATE OF CALIFORNIA

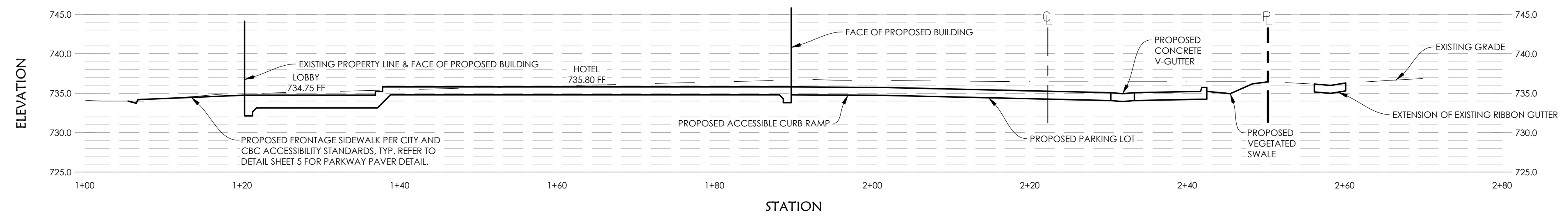
SHEET
 3 of 6



Site Section A

Horizontal Scale: 1" = 10' | Vertical Scale: 1" = 10'

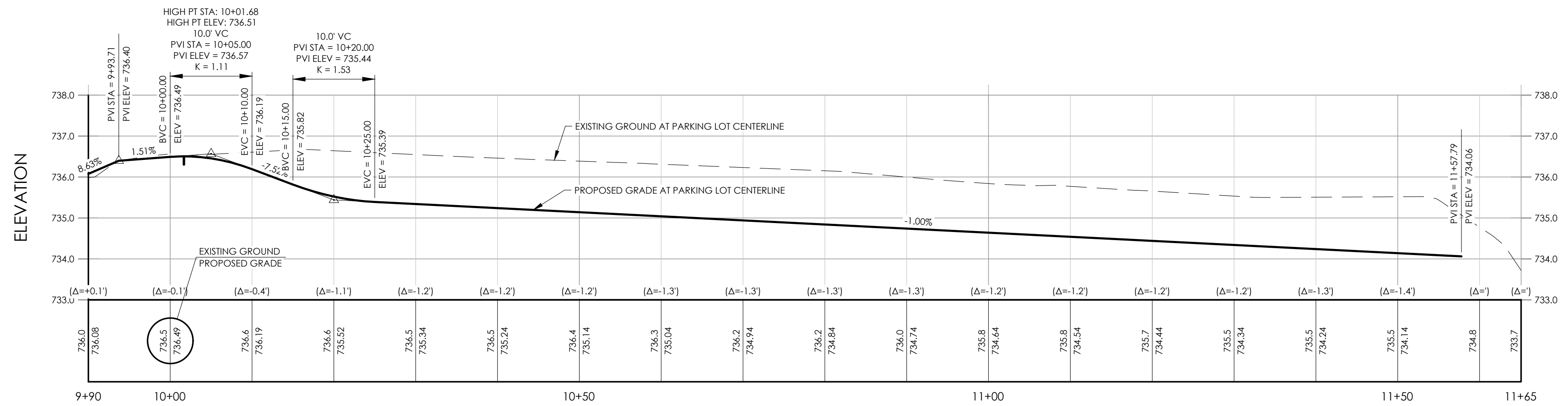
A



Site Section B

Horizontal Scale: 1" = 10' | Vertical Scale: 1" = 10'

B



Preliminary Driveway Profile

Horizontal Scale: 1" = 10' | Vertical Scale: 1" = 2'

C

G:\WP Drive\PROJECTS\2303\park hotel\CIVIL\Sheet\03 GRADING 2303.dwg, sections, Jan 26, 2024, 10:16am, Brandon

Roberts Engineering, Inc.
Park Hotel Mixed Use - 800 11th Street, Paso Robles
Preliminary Site Sections

City Plan Checker: _____
City P.C. No.: _____
Job #: 23
California Coordinates (CC88, Zone 9): 5762349 E 2424721 N

Approved for City Requirements: _____
Development Services Engineer: _____
Timothy P. Roberts, P.E. 35366 exp 09/30/25

Revision	Date
1	01.26.2024
2	
3	
4	
5	
6	

Roberts Engineering
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Paso Robles, CA 92551
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Fax: (805) 238-6148
Email: tim@robertsenginc.com
Website: robertsenginc.com



OFF-SITE AREA BULBOUT
RECONSTRUCTED BY HOTEL CHEVAL
DEVELOPMENT (NOT A PART)

DMA 5 - OFF-SITE
ASPHALT/CONCRETE
1,534 SF

SCM 2: TREE WELL
BIO-RETENTION = 110 SF

SCM 2: TREE WELL
BIO-RETENTION = 90 SF

DMA 1 - ROOF =
6,300 SF

DMA 1 - ROOF =
378 SF

DMA 4 - OFF-SITE
ASPHALT/CONCRETE
1,263 SF

DMA 2 - ON-SITE
ASPHALT/CONCRETE
TOTAL = 7,734 SF

SCM 1: UNDERGROUND CHAMBERS
ROCK AREA = 16' x 38'

DMA 3 - LANDSCAPE AREA
TOTAL = 1,188 SF

Central Coast Region Stormwater Control Measure Sizing Calculator

1. Project Information

Project name:	Mullins Hotel Mixed Use
Project location:	11th & Park, Paso Robles, CA
Tier 2/Tier 3:	Tier 3 - Retention
Design rainfall depth (in):	1.5
Total project area (ft²):	19197
Total DMA area (ft ²):	18397
Total new impervious area (ft ²):	0
Total replaced impervious within a USA (ft ²):	17209
Total replaced impervious not in a USA (ft ²):	0
Total pervious/landscape area (ft ²):	1188
Total SCM area (ft ²):	800

2. DMA Characterization

Name	DMA Type	Area (ft ²)	Surface Type	New, Replaced?	Connection
DMA 1 Building	Drains to SCM	6678	Roof	Replaced within a USA	SCM 1 Onsite
DMA 2 AC & flatwork	Drains to SCM	7734	Concrete or asphalt	Replaced within a USA	SCM 1 Onsite
DMA 3 Landscape	Self-Treating	1188			
DMA 4 Park Street	Drains to SCM	1263	Concrete or asphalt	Replaced within a USA	SCM 2 Park St trees
DMA 5 11th Street	Drains to SCM	1534	Concrete or asphalt	Replaced within a USA	SCM 3 11th St trees

DMA Summary Area

Total assigned DMA area (ft ²):	18397
New impervious area (ft ²):	0
Replaced impervious within a USA (ft ²):	17209
Replaced impervious not in a USA (ft ²):	0
Total pervious/landscape area (ft ²):	1188

3. SCM Characterization

Name	SCM Type	Safety Factor	SCM Soil Type	Infiltr. Rate (in/hr)	Area (ft ²)
SCM 1 Onsite	Direct Infiltration	2	HSG A/B	0.75	600
SCM 2 Park St trees	Bioretention	1	HSG A/B	0.75	90
SCM 3 11th St trees	Bioretention	1	HSG A/B	0.75	110

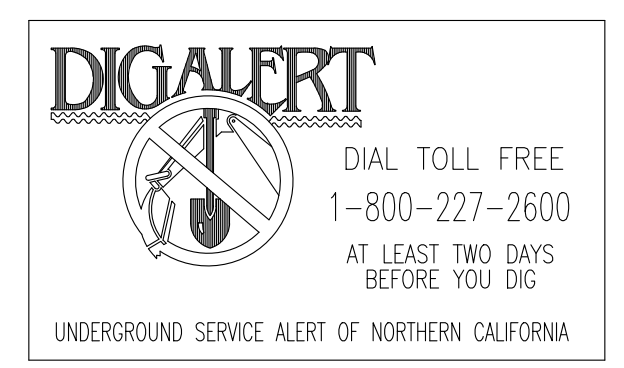
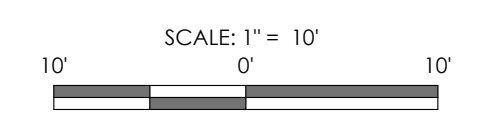
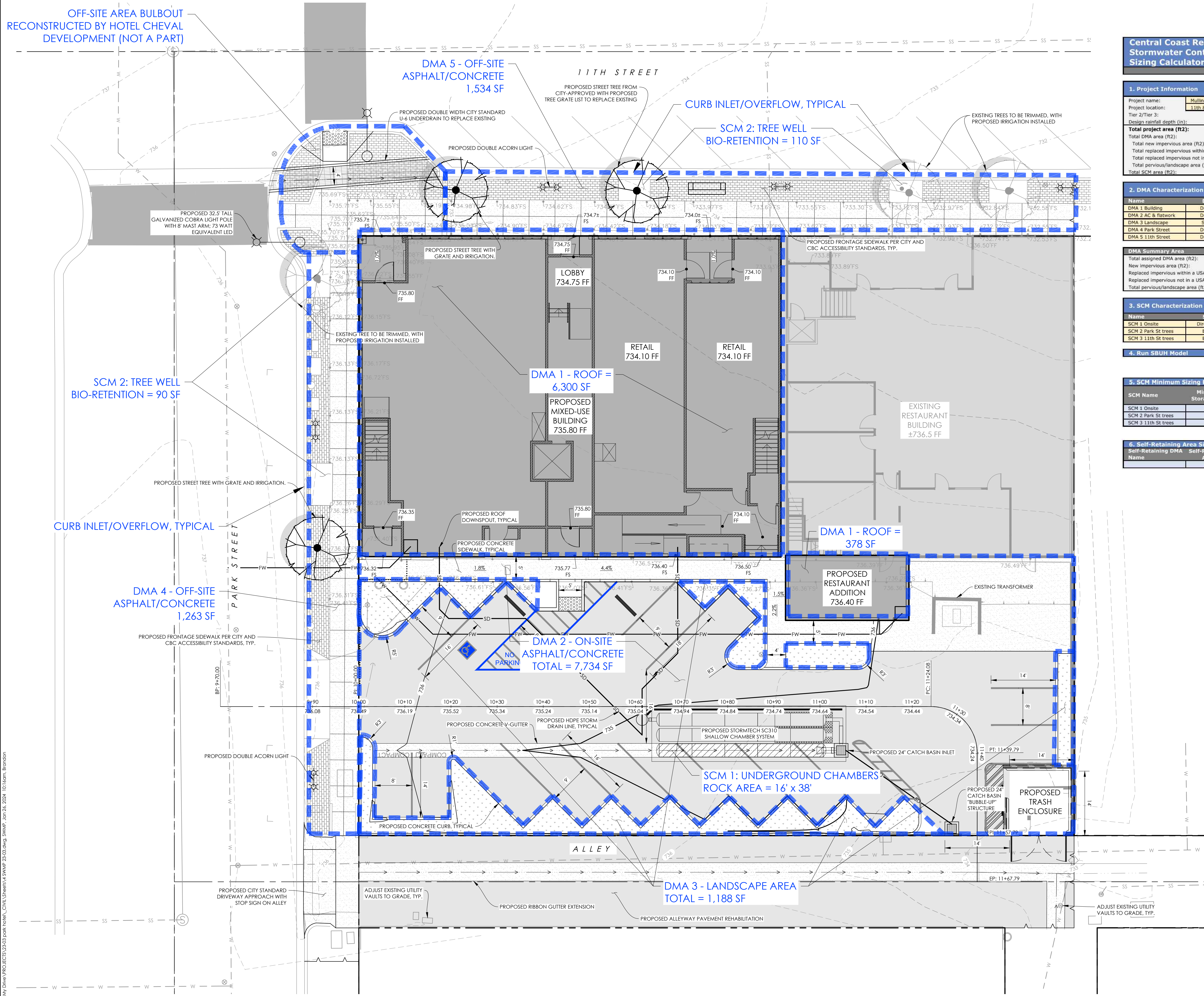
4. Run S8UH Model

5. SCM Minimum Sizing Requirements

SCM Name	Min. Required Storage Vol. (ft ³)	Depth Below Underdrain (ft)	Drain Time (hours)	Orifice Diameter (in)
SCM 1 Onsite	240	1.00	0.0	
SCM 2 Park St trees	36	1.00	0.0	
SCM 3 11th St trees	44	1.00	0.0	

6. Self-Retaining Area Sizing Checks

Self-Retaining DMA Name	Self-Retaining DMA Area (ft ²)	Tributary DMA Name(s)	Eff. Tributary DMA Area (ft ²)	Effective Tributary / SRA Area Ratio



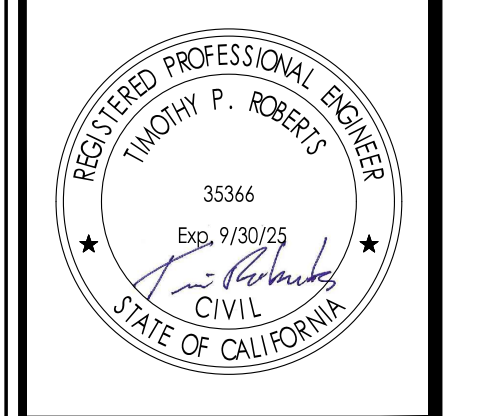
Roberts Engineering, Inc.
Park Hotel Mixed Use - 800 11th Street, Paso Robles
Preliminary Stormwater Management Plan

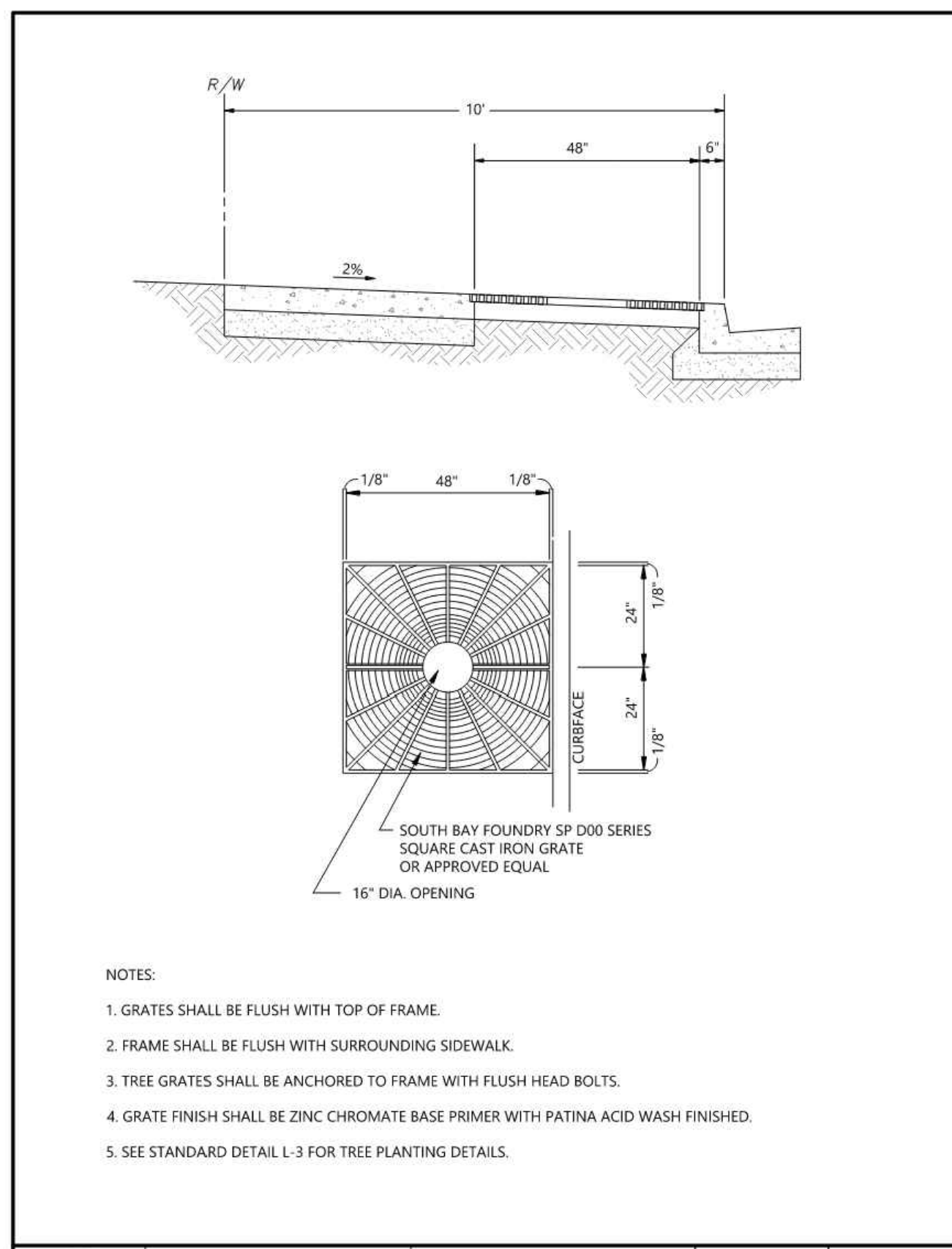
City Plan Checker: Approved for City Requirements
City P.C. No.: 23
Job #:
Date: 01.26.2024

Development Services Engineer
Timothy P. Roberts, P.E. 35366 exp 09/30/23
California Coordinates (CC88, Zone 5)
5762349 E 242472 / N

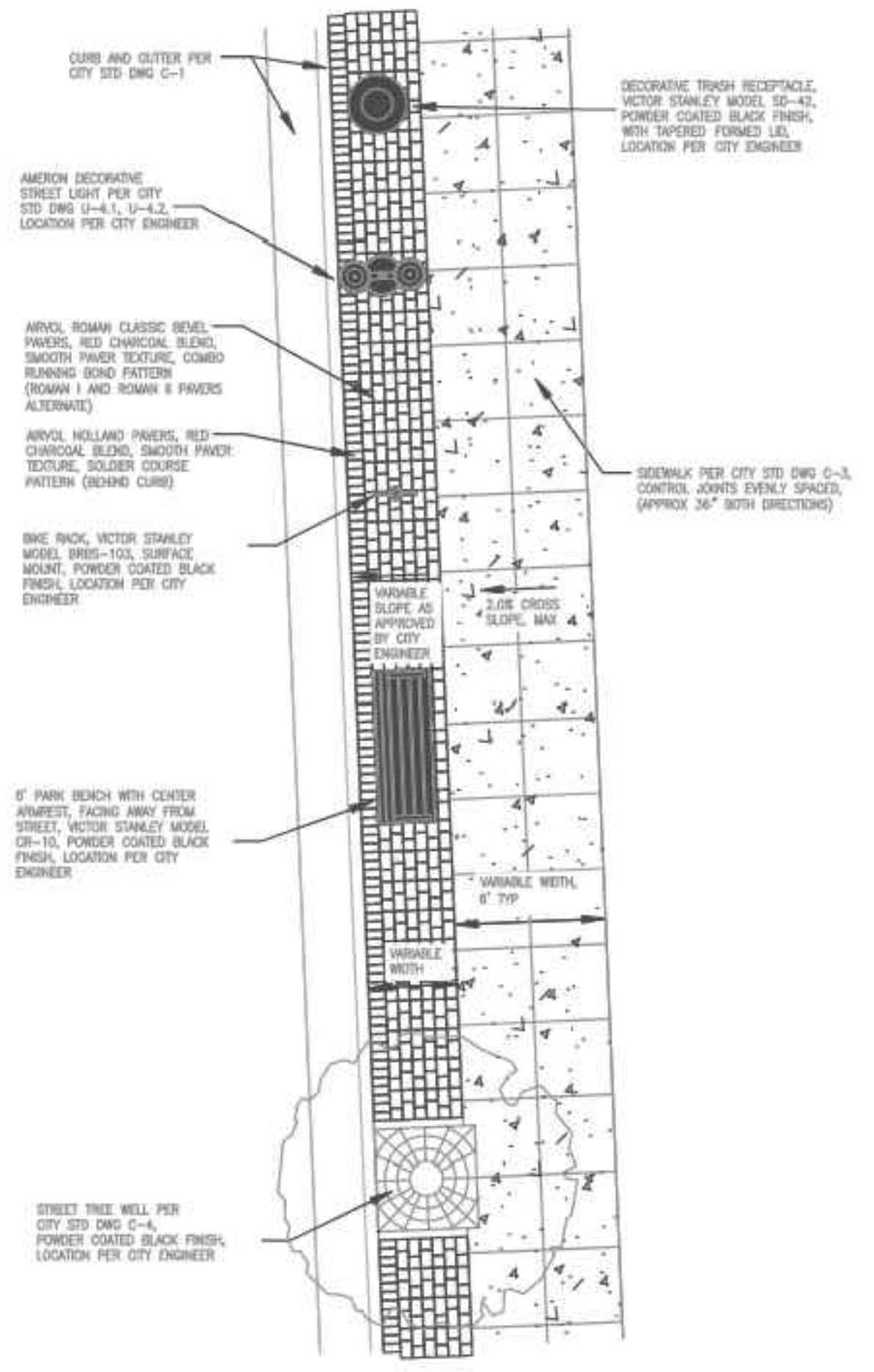
Record Drawings
Timothy P. Roberts, P.E. 35366 exp 09/30/23
Revisions This Sheet:

Roberts Engineering
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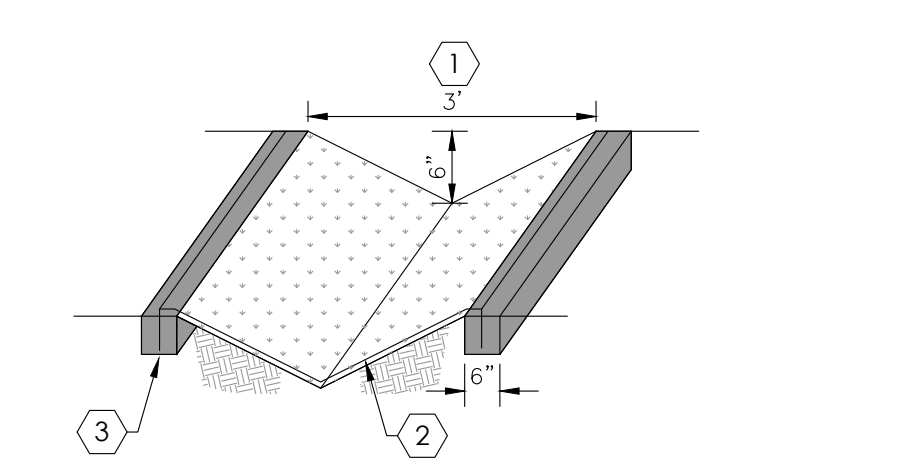




CITY OF PASO ROBLES ENGINEERING DIVISION DRAWN BY: KGE DESIGNED BY: JF	SIDEWALK WITH TREE WELLS	REVISIONS DATE BY	DWG. NO. C-4
		APPROVED FOR CITY REQUIREMENTS Development Services Engineer Timothy P. Roberts, P.E. 35366 exp 09/30/23	

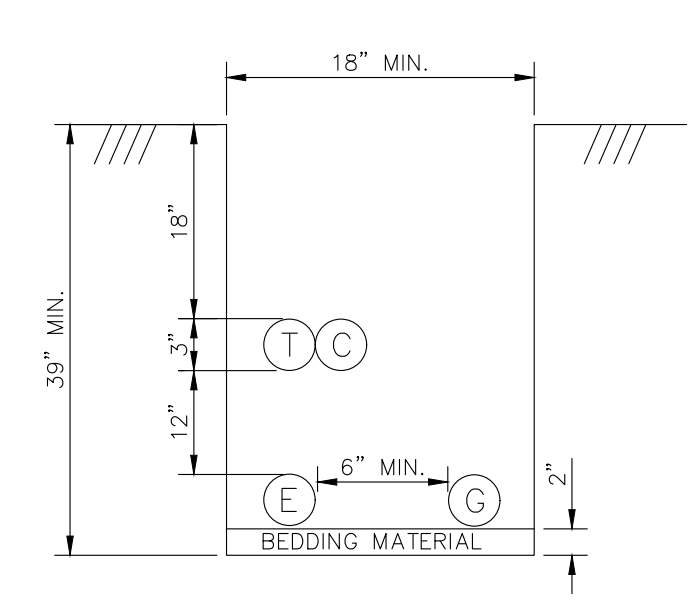


CITY OF PASO ROBLES ENGINEERING DIVISION DRAWN BY: KGE DESIGNED BY: JF	SIDEWALK WITH TREE WELLS	REVISIONS DATE BY	DWG. NO. C-4
		APPROVED FOR CITY REQUIREMENTS Development Services Engineer Timothy P. Roberts, P.E. 35366 exp 09/30/23	



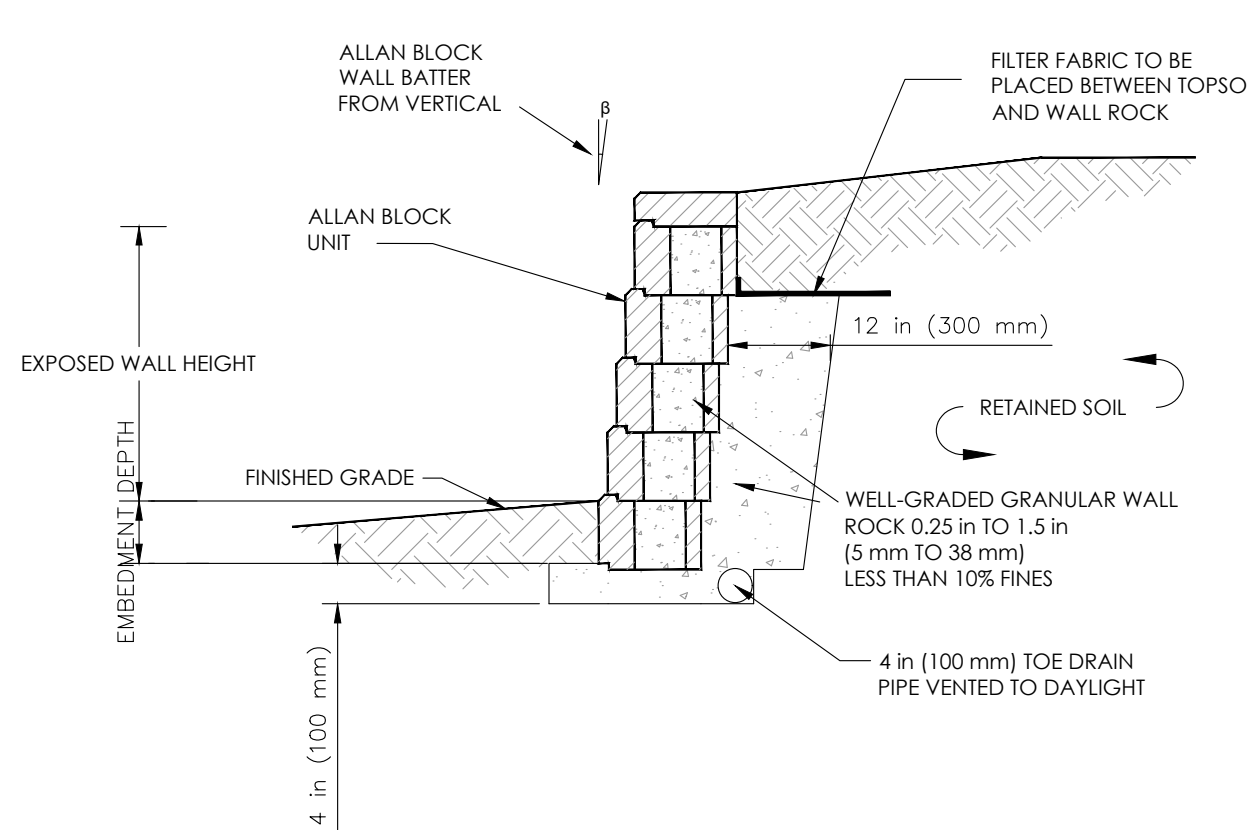
- 1. 3' WIDE X 6' DEEP SWALE.
- 2. INSTALL GEOTEXTILE FABRIC, NORTH AMERICAN GREEN TUFF EARTH REINFORCEMENT MAT, OR APPROVED EQUAL. ANCHOR PER MANUFACTURERS SPECIFICATIONS.
- 3. 6' WIDE X 12' DEEP GEOTEXTILE FABRIC ANCHOR TRENCH.

VEGETATED EARTHEN SWALE DETAIL
NTS

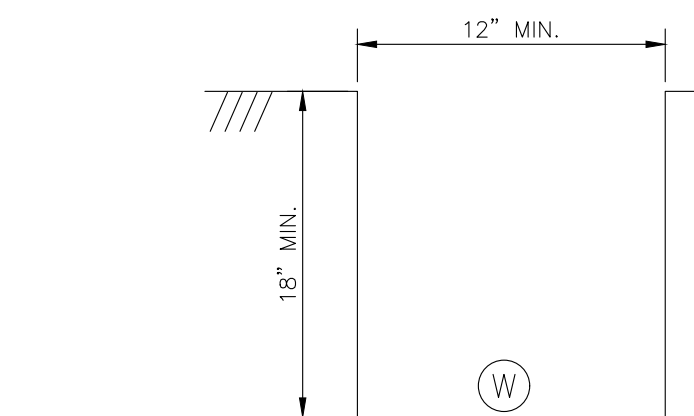


- NOTES:
- BEDDING MATERIAL TO BE PG&E APPROVED SAND.
 - BACKFILL TO BE CLEAN NATIVE COMPACTED TO 90% IN LIFTS TO EXCEED 8" IN HEIGHT.

ELECTRICAL, GAS, AND COMMUNICATION TYPICAL SERVICE TRENCH DETAIL (PG&E SERVICE TRENCH DETAIL FIG. 2)
NTS



GRAVITY WALL DETAIL (ALLAN BLOCK OR APPROVED EQUAL)
NTS



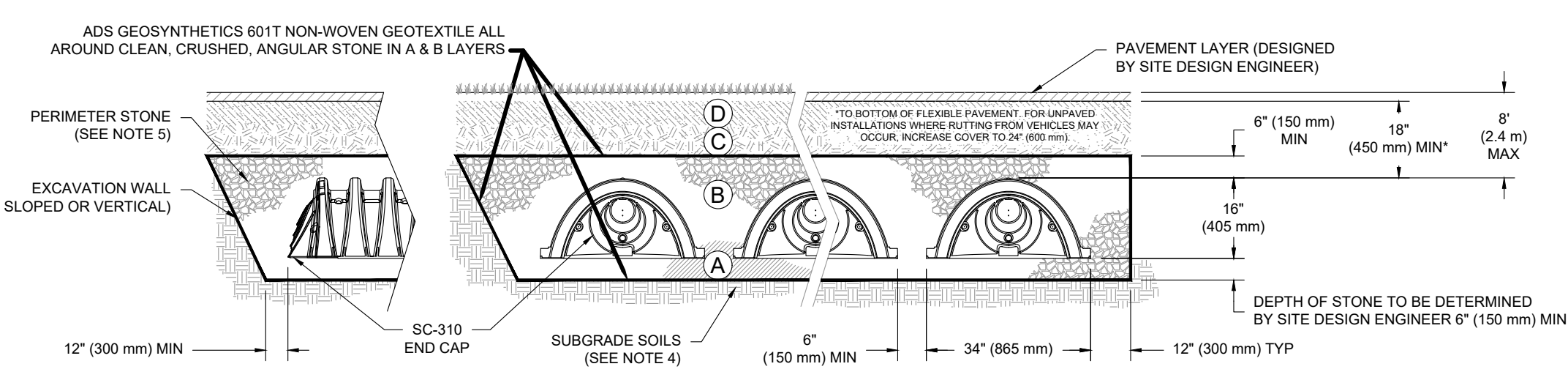
- NOTES:
- BACKFILL TO BE CLEAN NATIVE COMPACTED TO 90% IN LIFTS TO EXCEED 8" IN HEIGHT.

DOMESTIC WATER SERVICE TYPICAL TRENCH DETAIL
NTS

ACCEPTABLE FILL MATERIALS: STORMTECH SC-310 CHAMBER SYSTEMS

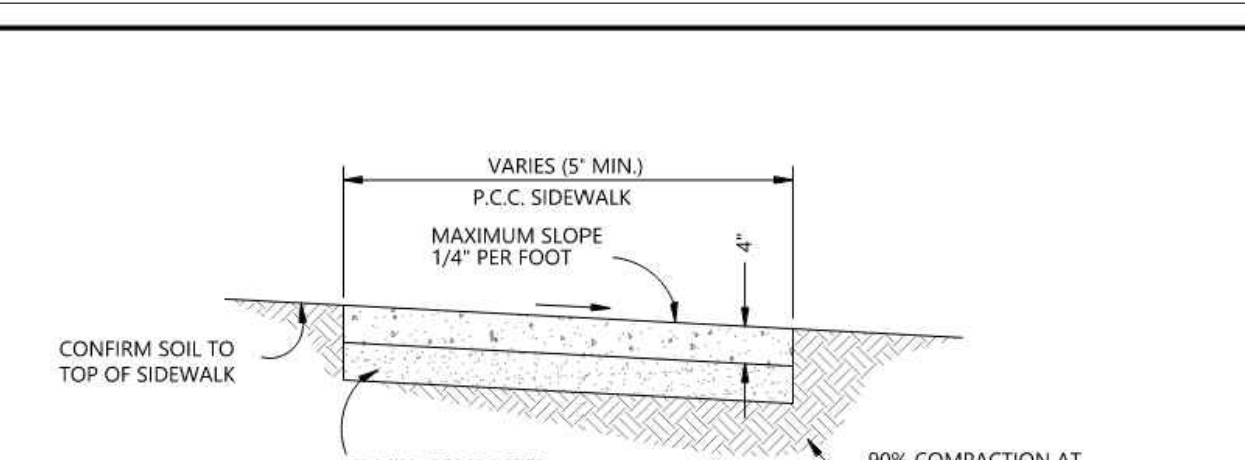
MATERIAL LOCATION	DESCRIPTION	AASHTO MATERIAL CLASSIFICATIONS	COMPACTION / DENSITY REQUIREMENT
D	FINAL FILL: FILL MATERIAL FOR LAYER 'D' STARTS FROM THE TOP OF THE 'C' LAYER TO THE BOTTOM OF FLEXIBLE PAVEMENT OR UNPAVED FINISHED GRADE ABOVE. NOTE THAT PAVEMENT SUBBASE MAY BE PART OF THE 'D' LAYER.	N/A	PREPARE PER SITE DESIGN ENGINEER'S PLANS. PAVED INSTALLATIONS MAY HAVE STRINGENT MATERIAL AND PREPARATION REQUIREMENTS.
C	INITIAL FILL: FILL MATERIAL FOR LAYER 'C' STARTS FROM THE TOP OF THE EMBEDMENT STONE ('B' LAYER) TO 18" (450 mm) ABOVE THE TOP OF THE CHAMBER. NOTE THAT PAVEMENT SUBBASE MAY BE A PART OF THE 'C' LAYER.	AASHTO M145 ¹ A-1, A-2-4, A-3 OR AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57, 6, 67, 68, 7, 78, 8, 89, 9, 10	BEGIN COMPACTIONS AFTER 12" (300 mm) OF MATERIAL OVER THE CHAMBERS IS REACHED. COMPACT ADDITIONAL LAYERS IN 6" (150 mm) MAX LIFTS TO A MIN. 95% PROCTOR DENSITY FOR WELL GRADED MATERIAL AND 95% RELATIVE DENSITY FOR PROCESSED AGGREGATE MATERIALS. ROLLER GROSS VEHICLE WEIGHT NOT TO EXCEED 12,000 lbs (53 kN). DYNAMIC FORCE NOT TO EXCEED 20,000 lbs (89 kN).
B	EMBEDMENT STONE: FILL SURROUNDING THE CHAMBERS FROM THE FOUNDATION STONE ('A' LAYER) TO THE 'C' LAYER ABOVE.	AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57	NO COMPACTION REQUIRED.
A	FOUNDATION STONE: FILL BELOW CHAMBERS FROM THE SUBGRADE UP TO THE FOOT (BOTTOM) OF THE CHAMBER.	AASHTO M43 ² 3, 357, 4, 467, 5, 56, 57	PLATE COMPACT OR ROLL TO ACHIEVE A FLAT SURFACE. ^{2,3}

PLEASE NOTE:
 1. THE LISTED AASHTO DESIGNATIONS ARE FOR GRADATIONS ONLY. THE STONE MUST ALSO BE CLEAN, CRUSHED, ANGULAR. FOR EXAMPLE, A SPECIFICATION FOR #4 STONE WOULD STATE: "CLEAN, CRUSHED, ANGULAR NO. 4 (AASHTO M43) STONE".
 2. STORMTECH COMPACTION REQUIREMENTS ARE MET FOR 'A' LOCATION MATERIALS WHEN PLACED AND COMPACTED IN 6" (150 mm) (MAX) LIFTS USING TWO FULL COVERAGES WITH A VIBRATORY COMPACTOR.
 3. WHERE INFILTRATION SURFACES MAY BE COMPROMISED BY COMPACTION, FOR STANDARD DESIGN LOAD CONDITIONS, A FLAT SURFACE MAY BE ACHIEVED BY RAKING OR DRAGGING WITHOUT COMPACTION EQUIPMENT. FOR SPECIAL LOAD DESIGNS, CONTACT STORMTECH FOR COMPACTION REQUIREMENTS.
 4. ONCE LAYER 'C' IS PLACED, ANY SOIL/MATERIAL CAN BE PLACED IN LAYER 'D' UP TO THE FINISHED GRADE. MOST PAVEMENT SUBBASE SOILS CAN BE USED TO REPLACE THE MATERIAL REQUIREMENTS OF LAYER 'C' OR 'D' AT THE SITE DESIGN ENGINEER'S DISCRETION.

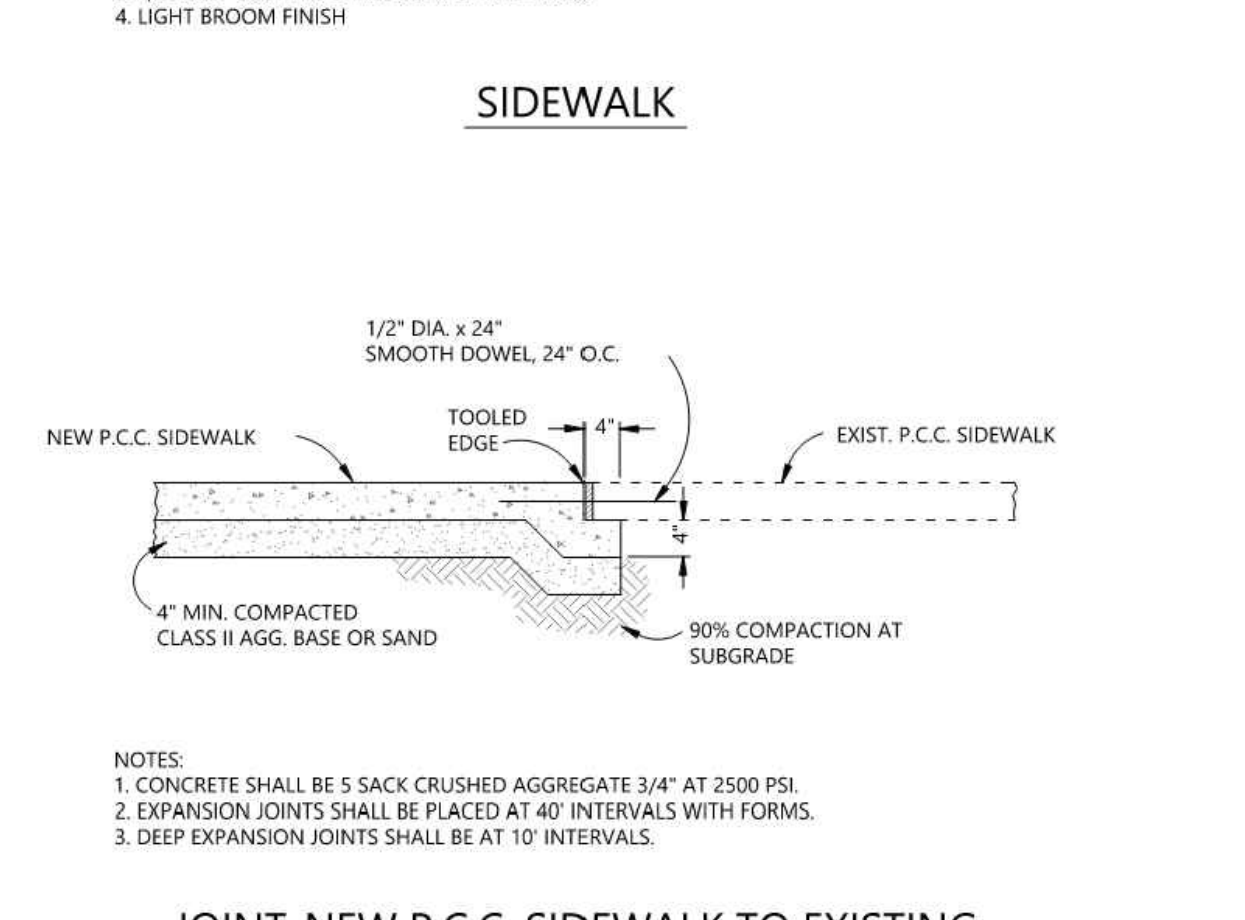


- NOTES:**
- CHAMBERS SHALL MEET THE REQUIREMENTS OF ASTM F2922 (POLETHYLENE) OR ASTM F2418 (POLYPROPYLENE), "STANDARD SPECIFICATION FOR CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - SC-310 CHAMBERS SHALL BE DESIGNED IN ACCORDANCE WITH ASTM F2787 "STANDARD PRACTICE FOR STRUCTURAL DESIGN OF THERMOPLASTIC CORRUGATED WALL STORMWATER COLLECTION CHAMBERS".
 - THE SITE DESIGN ENGINEER IS RESPONSIBLE FOR ASSESSING THE BEARING RESISTANCE (ALLOWABLE BEARING CAPACITY) OF THE SUBGRADE SOILS AND THE DEPTH OF FOUNDATION STONE WITH CONSIDERATION FOR THE RANGE OF EXPECTED SOIL MOISTURE CONDITIONS.
 - PERIMETER STONE MUST BE EXTENDED HORIZONTALLY TO THE EXCAVATION WALL FOR BOTH VERTICAL AND SLOPED EXCAVATION WALLS.
 - REQUIREMENTS FOR HANDLING AND INSTALLATION:
 - TO MAINTAIN THE WIDTH OF CHAMBERS DURING SHIPPING AND HANDLING, CHAMBERS SHALL HAVE INTEGRAL, INTERLOCKING STACKING LUGS.
 - TO ENSURE A SECURE JOINT DURING INSTALLATION AND BACKFILL, THE HEIGHT OF THE CHAMBER JOINT SHALL NOT BE LESS THAN 2".
 - TO ENSURE THE INTEGRITY OF THE ARCH SHAPE DURING INSTALLATION, THE ARCH STIFFNESS CONSTANT SHALL BE GREATER THAN OR EQUAL TO 400 LBS/FT². THE ASC IS DEFINED IN SECTION 6.2.8 OF ASTM F2418. AND b) TO RESIST CHAMBER DEFORMATION DURING INSTALLATION AT ELEVATED TEMPERATURES (ABOVE 73° F / 23° C), CHAMBERS SHALL BE PRODUCED FROM REFLECTIVE GOLD OR YELLOW COLORS.

CITY OF PASO ROBLES ENGINEERING DIVISION DRAWN BY: KGE DESIGNED BY: JF	STANDARD SIDEWALK DETAILS	REVISIONS DATE BY	DWG. NO. C-3
		APPROVED FOR CITY REQUIREMENTS Development Services Engineer Timothy P. Roberts, P.E. 35366 exp 09/30/23	

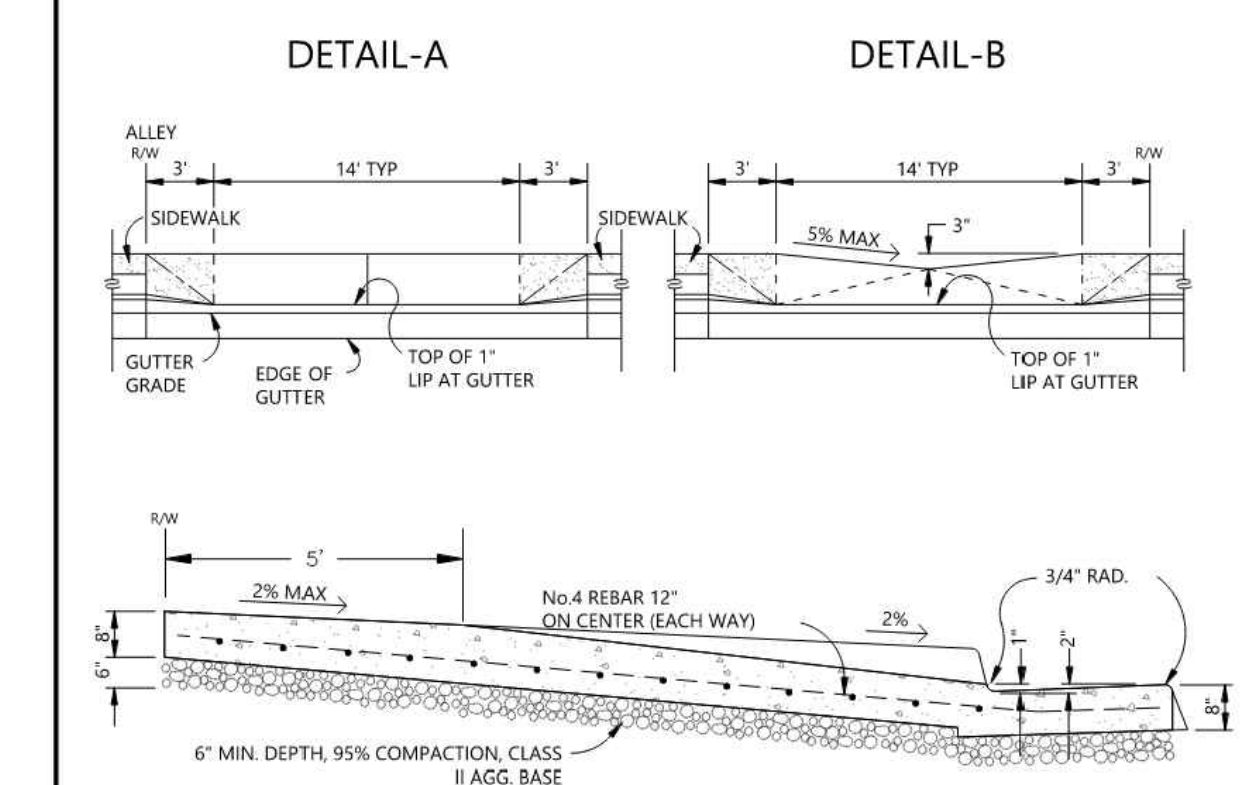
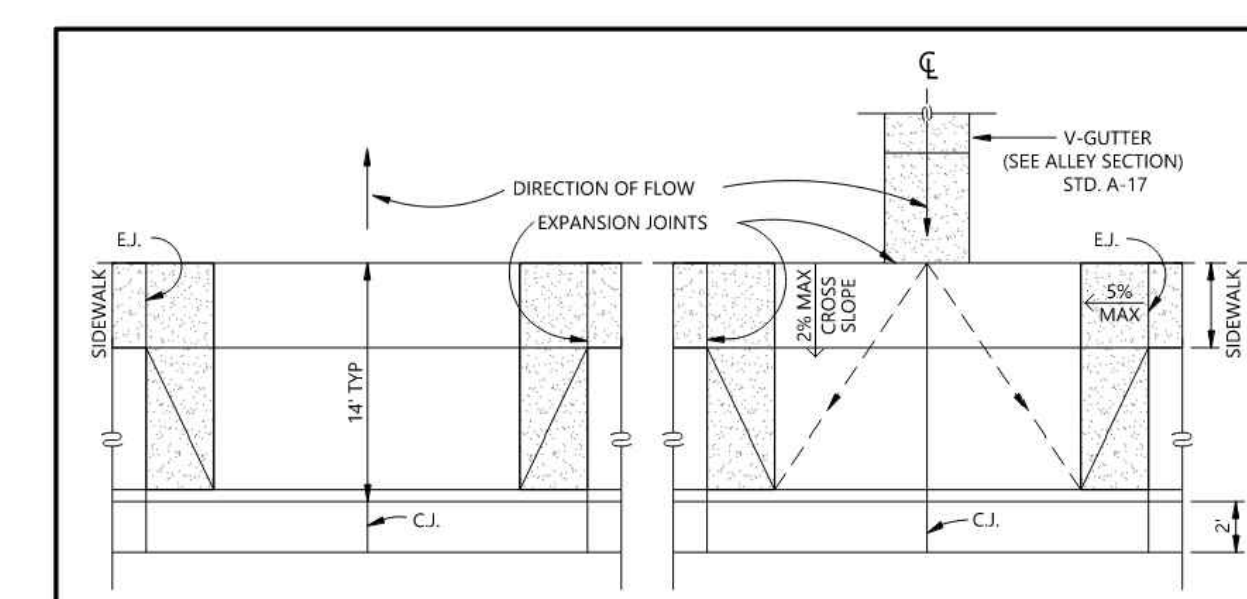


- NOTES:
- CONCRETE SHALL BE 5 SACK CRUSHED AGGREGATE 3/4" AT 2500 PSI.
 - EXPANSION JOINTS SHALL BE PLACED AT 40' INTERVALS WITH FORMS.
 - 1/2" DEEP SCORING SHALL BE AT 5' INTERVALS.
 - LIGHT BROOM FINISH.



JOINT-NEW P.C.C. SIDEWALK TO EXISTING
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TYPICAL SECTION
NOTE: CONCRETE SHALL BE 5 SACK CRUSHED AGGREGATE 3/4" AT 3000 PSI

CITY OF PASO ROBLES ENGINEERING DIVISION DRAWN BY: KGE DESIGNED BY: JF	ALLEY APPROACH DETAIL	REVISIONS DATE BY	DWG. NO. C-5
		APPROVED FOR CITY REQUIREMENTS Development Services Engineer Timothy P. Roberts, P.E. 35366 exp 09/30/23	

Roberts Engineering, Inc.		Park Hotel Mixed Use - 800 11th Street, Paso Robles	
City Plan Checker	Date	City P.C. No.	Date
TR / BLM	23	California Coordinates (CC88, Zone 9)	5762349 E 2424721 N
Record Drawings		Details	
Timothy P. Roberts Civil Engineer - RCE 35366 2015 Vista de la Vina Paso Robles, CA 92551 Phone (805) 239-6664 Fax (805) 238-6148 Email tim@robertsengr.com Website robertsengr.com			
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