general notes:

1. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR OR PERMITTEE TO CONTACT "UNDERGROUND SERVICE ALERT OF NORTHERN CALIFORNIA" BY PHONE AT 8-1-1 FORTY-EIGHT (48) Hours prior to start of construction for location of power, telephone, oil, (48) Hours prior to start of construction for location of power, telephone, oil, and natural gas underground facilities, contractor or permittee shall also contact the appropriate agency for the location of cable T.V., water, sewer, drainage of linderground facilities

2. THE CONTRACTOR SHALL POSSESS A CLASS A LICENSE AT THE TIME OF BID OPENING.

basis of coordinates and bearings:

THE COORDINATE SYSTEM OF 1983, CCS83, 20NE 5 0405, 1993.35) IN ACCORDANCE WITH THE CALIFORNIA PUBLIC RESOURCES CODE SECTIONS 8801-8819; SAID COORDINATES AND BEARINGS ARE BASED LOCALLY UPON TRELO-DSSERVED TIET TO THE FOLLOWING CITY OF SAN LUIS OBISPO HORIZONTAL CONTROL NETWORK POINT 8097 & 8095 (MBS POINT 1018 & 1030).

STATION	NORTHING(ft)	EASTING(II)	MAPPING ANGLE	COMBINATION FACTOR	ELEVATION (NAVD88)(fl)	ELLIP,HT.
1016	2287843.843	5777970.804	-1*29'45.798*	.9999531	254.60	143.39
1030	2287662 0270	5776336.092				

TO OBTAIN GROUND DISTANCES AND GEODETIC NORTH, MULTIPLE GRID DISTANCES (DISTANCES SHOWN HEREON) BY 1,0000469 AND ROTATE GRID BEARINGS COUNTERCLOCKMISE BY 1*29/49,768* TO OBTAIN GEODETIC BEADINGS,

basis of bearings:The basis of bearings for this survey was taken from between found city of san luis oblispo horizontal control. Network wormlent's 8086 and 8087. Bearing n 89° 21' 48" W PER CITY OF SAN LUIS OBISPO HORIZONTAL CONTROL NETWORK (INVERSED OF ABOVE CONDINIMETER).

bench mark

VERTICAL CONTROL BENCH MARK NO, 400 WITH AN ELEVATION OF 255.11' AS PUBLISHED IN THE CITY OF SAN LUIS OBISPO 2017 BENCH MARK SYSTEM, CITY'S BENCH MARK SYSTEM IS BASED ON

DESCRIPTION: LEAD AND TACK IN THE TOP OF THE SOUTHEASTERLY CURB OF TANK FARM ROAD AND WAVERTREE STREET, AT THE SOUTHEASTERLY ECR.



VICINITY MAP

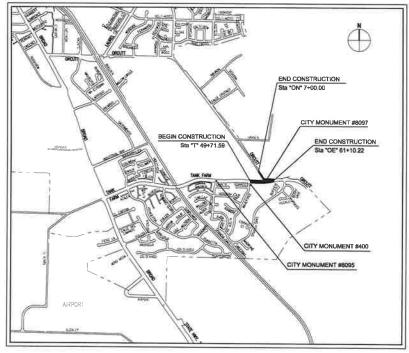




city of san luis obispo

PROJECT PLANS FOR

TANK FARM ROAD & ORCUTT ROAD **ROUNDABOUT**



PROJECT LOCATION MAP

STORM WATER INFO TOTAL AREA OF DISTURBANCE: 154,634 SF

AREA OF EXISTING PERVIOUS SURFACE: 49,854 SF AREA OF EXISTING IMPERVIOUS SURFACE: 99,222 SF AREA OF PROPOSED PERVIOUS SURFACE: 11,722 SF

AREA OF PROPOSED IMPERVIOUS SURFACE: 109,437 SF PCR COMPLIANCE INFORMATION: PROJECT IS SUBJECT TO REQUIREMENTS OF CENTRAL COAST REGIONAL WATER QUALITY CONTROL BOARD RESOLUTION NO. R3-2012-0025, POST-CONSTRUCTION REQUIREMENTS, PERFORMANCE REQUIREMENTS NOS. 1 AND 2

100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION



index to plans

page	sheet no.	description
1	T1	TITLE SHEET
2-3	GN1-GN2	GENERAL NOTES
4-7	X1-X4	TYPICAL CROSS SECTIONS
В	DM1	DEMOLITION PLAN
В	L1	LAYOUT
10	L2	LAYOUT (CURB ALIGNMENTS)
11-13	P1-P3	PROFILES
14-21	C1-C8	CONSTRUCTION DETAILS
23	G1	GRADING PLAN
24	U1	UTILITY PLAN
25	W1	RECYCLED WATER PLAN AND PROFILE
26	WD1	RECYCLED WATER DETAILS
27	D1	DRAINAGE PLAN
28-29	DP1-DP2	DRAINAGE PROFILES
30-31	DD1-DD2	DRAINAGE DETAILS
32-34	EC1-EC3	EROSION CONTROL
35	CS1	CONSTRUCTION AREA SIGNS
36-42	SC1-SC7	STAGE CONSTRUCTION
43	PO1	PAVEMENT DELINEATION
44-45	S1-S2	SIGN PLAN
48	SD1	SIGN DETAIL
47-48	SQ1-SQ2	SIGN QUANTITIES
49-50	LP1-LP2	IRRIGATION PLAN
51-52	LP3-LP4	PLANTING PLAN
53-56	LP5-LP8	IRRIGATION DETAILS, NOTES & SCHEDULE
57-58	LP9-LP10	PLANTING DETAILS & SCHEDULE
59-60	E1-E2	ELECTRICAL PLANS
61-67	ST1-ST7	STRUCTURAL PLANS

Reference Documents: City Standard Specifications - August 2020 Edition City Engineering Standards - August 2020 Edition



san luis obispo county, california

TANK FARM ROAD & ORCUTT ROAD ROUNDABOUT

SPECIFICATION NO.

APPROVED BY

T1

Manuel Guzman

01/26/21 I NO LOCATION 2460T001 1 a 67

GENERAL NOTES:

- UTLITY INFORMATION AND DESTRUCTIONS SHOWN ON THE PROBECT PLANS (PLANS) ARE ONLY INFORMATIONAL IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION AND ELEVATION OF ALL EXISTING UTILITIES WITHIN THE WORK REAL PRIGHT OF EXEMBING CONSTRUCTIONS, CONTRACTORS SHALL MINE OF TWO WORKING DAYS IN ADVANCE OF ANY EXCAVATION, EXCAVATION SHALL NOT BEED UNTIL UNDERSCRIVED UTILITIES HAVE BEEN LOCATION.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO SECURE ALL PERMITS NECESSARY TO PERFORM THE WORK, INCLUDING BUT NOT LIMITED TO WORK IN THE PUBLIC RIGHT-OF-WAY, GRADING, TREE REMOVAL, UTILITY MODIFICATIONS.
- 3 CONTRACTOR SHALL SUPPLY ALL EQUIPMENT, LABOR, AND MATERIALS NECESSARY TO PERFORM THE WORK SHOWN ON THESE PLANS.
- IT SHALL 3E THE RESPONSIBILITY OF THE VARIOUS CONTRACTORS TO COORDINATE THEIR WORK SO AS TO ELIMINATE CONFLICTS AND WORK TOWARD THE GENERAL GOOD AND COMPLETION OF THE ENTIRE PROJECT.
- 5 ALL WORK-MANSHIP AND MATERIALS FURNISHED BY THE CONTRACTOR SHALL BE THE KIND AND QUALITY DESCRIBED IN THE PLANS AND SHALL BE FIRST CLASS THROUGHOUT, NETHER FINAL ACCEPTANCE NOR FINAL PAYMENT BY OWNER SHALL RELIEVE THE CONTRACTOR OF RESPONSIBILITY FOR FAULTY MATERIALS OF WORKMANSHOR
- 6. CONTRACTOR SHALL PROVIDE ADEQUATE DUST CONTROL AT ALL TIMES AS REQUIRED BY OWNER'S REPRESENTATIVE.
- CONTRACTED STALL SERRICES AL MEESSARY CAUTON TO AVOID DAWAGE ANY EGSTING TREES, OR SURFACE IMPROVEMENTS OR TO ANY EMSTING OF ANY EMSTINE OF THE PROPERTY OF THE PROPERTY OF THE PROPERTY JUNCTION BOXES FOR LUNGERGOUND ELECTRIC, GAS, TELEPHONE, CABLE TV, STORM, SANITARY, WATER, OR OTHER UTLITIES WHICH ARE TO REMAIN IN PLACE AND SHALL BEAF PLUL RESPONSIBILITY FOR ANY DAWAGE HIGHERTO.
- 8. ALL KNOWN EXISTING UTILITY LINES ARE SHOWN FOR INFORMATION ONLY, CONTRACTOR SHALL EXERCISE ALL NECESSARY CAUTION TO AVOID DAMAGE TO ANY CRISTING UTILITY LINES OR FACULTIES TO REMAIN IN PLACE, WHETHE OR NOT SUCH FACULTIES APPEAR ON THICSE PLANS, AND SHALL BEAR FULL RESPONSIBILITY FOR ANY DAMAGE THERETO.
- 9 CONTRACTOR SHALL CONTACT BOTH UNDERGROUND SERVICE ALERT (800-227-2600) AND THE AFFECTED UTILITY COMPANY PRIOR TO STARTING WORK TO REQUEST AND OBTAIN THE MARKING OF EXISTING UNDERGROUND FACILITIES.
- 10 CONTRACTOR SHALL HIRE A LICENSED LAND SURVEYOR TO PROVIDE CONSTRUCTION STAKING IN ORDER TO ENSURE THE PROJECT IS CONSTRUCTED TO THE LINES AND GRADES INDICATED ON THIS PLAN.
- 11. INSPECTION OF WORK CONTRACTOR SHALL BE RESPONSIBLE FOR THE COORDINATION OF REQUIRED INSPECTIONS WITH THE APPROPRIATE AGENCIES AND UTILITY COMPANIES
- 12 ENGINEER SHALL BEAR NO RESPONSIBILITY FOR METHODS AND PROCEDURES OF WORK ESTABLISHED BY CONTRACTOR, JOBSITE CONDITIONS, JOBSITE SAFETY OR CONFORMANCE WITH SAFETY PROCEDURES AND REQUIREMENTS.
- 13. IN CONFORMANCE WITH CENERALLY ACCEPTED CONSTRUCTION PRACTICES, THE CONTRACTOR SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR THE JOBSTIE CONTROLOGY. THE PROBLET, NCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS PROBLET, NCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS PROBLET, NCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS PROBLET, NCLUDING SAFETY OF ALL PERSONS AND PROPERTY. THIS PROPERTY OF ALL PERSONS AND PROPERTY. THIS TO THE PROPERTY OF ALL PERSONS AND PROPERTY OF THE OWNER AND EXCEPTED AND SHALL DISTORT OF THE OWNER AND EXCEPTED AND SHALL DISTORT OF THE OWNER AND EXCEPTED LIABILITY ARISING FROM THE SOLE NEGLICENCE OF THE OWNER OF EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLICENCE OF THE OWNER OF EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLICENCE OF THE OWNER OF EXCEPTING LIABILITY ARISING FROM THE SOLE NEGLICENCE OF THE
- 14. THE CONTRACTOR SHALL HAVE COPES OF THE PLANS FOR THIS PROJECT ON SITE AT ALL TIMES, THE CONTRACTOR SHALL MAINTAIN A CURRENT, COMPLETE, AND ACCURATE RECORD OF ALL CHANGES WHICH DEVIATE FROM THE CONSTRUCTION AS PROPOSED IN THESE PLANS AND SPECIFICATIONS. THE LOCATION BY THE CENTERIUS STATION AND MAIN DEPTH OF ALL WATER FACILITY APPURENANCES: PIPE, VALVES, TEES, MARKERS, AND OTHER FACILITY APPURENANCES: PIPE, VALVES, TEES, MARKERS, AND OTHER FEATURES FOR THE PURPOSE OF PROVIDING THE ENONEER WITH A BASIS FOR RECORD ORAWINGS NO CHANGES SHALL BE MADE WITHOUT PROOF APPROVAL OF THE CITY OF SHALL US OBSIDE PLONGERSTRING DEPARTMENT.
- 15 THE CONTRACTOR SHALL PRACTICE SAFETY AT ALL TIMES AND SHALL FURNISH, ERECT, AND MAINTAIN SUCH FENCES, BARRICADES, DETOURS, FLAGMAN, LIGHTS, AND SIGNS AS NECESSARY TO GIVE PROTECTION TO THE PUBLIC AT ALL TIMES.
- 16 ALL UNSUITABLE MATERIALS SHALL BE REMOVED FROM THE PROJECT AND BE PLACED A" A SUITABLE DISPOSAL SITE.
- 17 THE CONTRACTOR SHALL INSPECT THE PROJECT SITE PRIOR TO SUBMITTING A BID IN ORDER TO OBSERVE AND DETERMINE THE EXISTING SITE CONDITIONS
- B TRAFF CONTROL DURNG CONSTRUCTION SHALL BE THE CONTRACTOR'S RESPONSIBILITY ALL TRAFFIC CONTROL AND DEVERS SHALL BE AN EXPONSIBILITY ALL TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES' USED BY THE STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION AND CITY OF SAN LUSS DISpose CONCRETE STANDARD APPENDIX OF TRANSPORTATION AND CITY OF SAN LUSS DISpose CONCRETED STANDARD APPENDIX OF TRANSPORTATION AND CITY OF SAN LUSS DISpose CONCRETED STANDARD APPENDIX OF TRANSPORTATION AND CITY OF SAN LUSS DISpose CONCRETED STANDARD APPENDIX OF TRANSPORTATION AND CITY OF SAN LUSS DISpose CONCRETED STANDARD APPENDIX OF TRANSPORTATION AND CITY OF SAN LUSS DISpose CONCRETED STANDARD APPENDIX OF TRANSPORTATION AND CITY OF TR
- 19 THE CONTRACTOR SHALL PROVIDE FOR CONTINUOUS INGRESS AND EGRESS TO ALL PUBLIC AND PRIVATE PROPERTIES ADJACENT TO THE WORK THROUGHOUT THE PERIOD OF CONSTRUCTION
- 20 THE FINAL ADJUSTMENT TO FINISH GRADE OF ALL MANHOLES, VALVE COVERS, AND SURVEY MONUMENTS SHALL BE MADE FOLLOWING PLACEMENT OF ASPHALT CONCRETE FINAL LIFT.
- 21 THE CONTRACTOR SHALL COMPLY WITH THE RULES AND REGULATIONS OF CAL/OSHA. THIS REDUIREMENT SHALL BE MADE TO APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS.
- 22) AL WORK LOCATED WITHIN THE PUBLIC RICHT-OF-WAY OR WITHIN THE JURISDICTION OF THE CITY OF SAN LUIS OBSPO UTILITIES AND PUBLIC WORKS DEPARMENTS SHALL COMPLY WITH THE MOST CURRENT EITION OF THE STANDARD SPECIFICATIONS AND ENGINEERING STANDARDS. THE CURRENT ADDITION IS DATED MAY 2018
- 23 A SEPARATE ENCROACHMENT PERMIT IS REQUIRED FOR ANY WORK IN THE PUBLIC RIGHT—OF—WAY OR WITHIN GITY EASEMENTS FOR CONNECTIONS TO PUBLIC UTILITIES WORK REQUIRING AN ECOCOACHMENT PERMIT INCLUDES BUT IS NOT LIMITED TO DEMOLITIONS, UTILITIES, WATER, SEWER, AND FIRE SERVICE

- LATERALS, CURB, GUTTER, AND SIDEWALK, DRIVEWAY APPROACHES SIDEWALK UNDERDRAINS, STORM DRAIN IMPROVEMENTS, STREET TREE PLANTING OR PRUNING, CURB RAMPS, STREET PAVING, AND PEDESTRIAN PROTECTION OR CONSTRUCTION STACING IN THE RIGHT-OF-WAY
- 24 CONTACT THE CITY OF SAN LUIS OBISPO PUBLIC WORKS INSPECTION HOTLING AT 805-701-7954 AT LEAST TWO WORKING DAYS PRIOR TO START OF WORK OR ANY REQUIRED ENCROCAMENT PERMIT INSPECTION.
- 25. A TRAFFIC AND PEDESTRIAN CONTROL PLAN SHALL BE SUBMITTED TO THE CITY OF SAN LUIS OBISPO PUBLIC WORKS DEPARTMENT FOR REVIEW AND APPROVAL PRIOR TO ENCROCHMENT PERMIT ISSUANCE.
- 26 ALL TRENCHING AND BACKFILL TO BE DONE TO CITY OF SAN LUIS OBISPO ENGINEERING STANDARDS UNLESS OTHERWISE NOTED
- 27. A CAL-COM-PERMIT IS REQUIRED FOR EXCANATION OR TRENCHING OFFICER THAN 5 FEET IN EITHTH A COPY OF THE ANNUAL PROVIDED HAVE OFFICER THAN 5 FEET IN EITHTH A COPY OF THE ANNUAL PROVIDED HAVE OFFICER THAN 15 HALL EXPRIGATE THAN 15 HALL EXPRIGATE ANY OSHA PERMIT EXAMPLE OF A PROVIDED HAVE OFFICER ANY OSHA PERMIT EXEMPTION OR WANTER SHALL BE PROCESSED ON A FORM PROVIDED BY THE CITY OF SAN LUIS DISBORD BUILDING DIVISION.
- 28. ANY SECTIONS OF DAMAGED OR DISPLACED CURB, GUTTER AND SIDEWALK, OR DRIVEWAY APPROACH SHALL BE REQUIRED OR REPLACED TO THE SATISFACTION OF THE CITY OF SAN LUIS OBISPO.
- 29 FOLLOW CITY OF SAN LUIS OBISPO TRAFFIC CONTROL GUIDELINES FOR ALL CONSTRUCTION ACTIVITIES FOUND AT HTTP://www.SLOCITY.ORG//PUBLICWORKS/STDS/APPX-G PDF
- 30. SHOULD HYDROCARBON CONTAMINATED SOIL BE ENCOUNTERED DURNO CONSTRUCTION ACTIVATES, THE APED AND SLO FIRE COPARIMENT MOST BE AFFECTED MARKEAL IS OLICITYMED TO DETERMENT IF AN APED FERSH FIRE BE RECURRED IN ADDITION, STANDARD APED RECURRED PROCEDURES SHALL BE WIRLINGTED INVESTIGATION AFTER CONFAINANTED SOIL IS SECONTED.

GENERAL UTILITY NOTES:

- 1. AS A FIRST ORDER OF WORK, THE CONTRACTOR MUST POTHOLE ALL UTILITIES WITHIN THE WORK AREA AND FURNISH ELEVATIONS TO THE ENGINEER.
- THE CONTRACTOR SHALL CONTACT AND COORDINATE WITH AFFECTED UTILITIES RELOCATIONS REQUIRED BY THE PLANS
- 3 AN EFFORT HAS BEEN MADE TO DEFINE THE LOCATION OF UNDERGROUND FACILITIES WITHIN THE JOESTIE HOWEVER, ALL EXISTING UTILITY AND OTHER UNDERGROUND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS AND THEIR LOCATION HIRER SHOWN IS APPROXIMATE, THE CONTRACTOR AGREE THAT HE STALL ASSUME SCIE AND COMPLETE RESPONSIBILITY FOR LOCATING OR HANNING LOCATED ALL UNDERGROUND UTILITIES AND OTHER FACILITIES AND FOR PROTECTION THAT UNDERGROUND UTILITIES AND OTHER FACILITIES AND FOR PROTECTION THAT UNDERGROUND UTILITIES AND OTHER FACILITIES AND
- 4. THE CONTRACTOR SHALL CONTACT ALL UTILITY COMPANIES TO MARK LOCATIONS AND SHALL POTHOLE ALL UTILITY COSSINGS, PRIOR TO STAKING AND PROPERTY ONLY PREJUDE ECOLVATIONS TO LAUDO GRADE REMISSIONS IN CALL UNDERGROUND SERVICE ALERT A MINIMUM OF 48 HOURS PRIOR TO WORK AT 81
- 5 THE CONTRACTOR SHALL CONTACT THE FOLLOWING UTILITY COMPANIES AT LEAST 48 HOURS BEFORE BEGINNING EXCAVATION AND SHALL VERIFY WHETHER OR NOT A REPRESENTATIVE OF EACH COMPANY WILL BE PRESENT DURING EXCAVATION.

WATER, SEWER, STORM:	CITY OF SAN LUIS OBISPO	805-781-7200
GAS	SOCAL GAS	805-681-7939
TELEPHONE	AT&T	805-546-7315
INTERNET	CHARTER COMMUNICATIONS	805-503-8543
ELECTRIC:	PG&E	805-546-5236

- 6 ALL STATIONING IS BASED ON CENTERLINE OF ROAD UNLESS OTHERWISE SHOWN ON PLANS
- 7. DOMESTIC WATER SERVICE LATERALS AND METERS AND SERVER SERVICE LATERALS ARE SHOWN ON THE PLAN DRAWNOS. THE CONTRACTOR SMALL POTHOLE AND VERRY THE LOCATION OF THESE UTILITIES AND CONSTRUCT THE NEW MAPPOWEMEN'S WHILE AMANTANINA SERVICE AT ALL THESE SURVICES CONSTRUCTION. DAMAGE CAUSED BY THE CONTRACTOR TO THESE SERVICES SHALL BE REPARED AMEDIATELY AT THE SOLE DEPORTS OF THE SHALL BE REPARED AMEDIATELY AT THE SOLE DEPORTS OF THE
- 8 PROFILES ARE DRAWN AT AN EXAGGERATED SCALE MAKING VERTICAL GRADE BREAKS APPEAR GREATER THAN ACTUAL. THE CONTRACTOR SHALL LAY THE PIPE IN ACCORDANCE SECTION 77-2 D3A AND NOT EXCEED THE PIPE MANUFACTURER'S RECOMMENDATIONS
- 9 THE CONTRACTOR SHALL HAVE A COPY OF THE PROJECT PLANS AND THE CITY OF SAN LUIS OBISPO FIELD REPRESENTATIVE SHALL BE NOTIFIED AT LEAST TWO (2) WORKING DAYS PRIOR TO BEGINNING CONSTRUCTION OR ANY REQUIRED OBSERVATION.
- 10. CUSTAGETOR SHALL MANTANT THE WORK AREA IN A NACT SACE CEAN.
 AND SANTHAY COMMING NA ALL BIESS AND O THE SATERACTION OF THE
 AGRAY HANNE JAIRSOLTON OVER THE AREA. STREETS REFEAR TO BE REFET
 CLEAN OF DEBISS, WITH DUST AND OTHER NUMBANCE BEING CONTROLLED AT
 ALL TIMES. THE CONTRACTOR SHALL ALSO BE RESPONSIBLE FOR ANY
 CLEANUP OR ADJACENT STREETS AFFECTED BY HIS CONSTRUCTION.
- 1 ALL CONSTRUCTION ACTIVITY THAT DISRUPTS THE SMOOTH FLOW OF TRAFFIC OVER THE PUBLIC ROADS WILL REQUIRE A TRAFFIC CONTROL PLAN TRAFFIC CONTROL SHALL BE SUBMITTED 5 WORKING DAYS PRIOR FOR APPROVAL OF THE CITY OF SAN LUIS OBISPO TRANSPORTATION DEPARTMENT,
- 12. IN THE EVENT THAT EXISTING TRAFFIC STRIPING OR STENDING IS OBJITERATED BY CONSTRUCTION, IT WILL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPLACE IN KIND, IT STRICLING OR LEGEND IS PARTIALLY OBJITERATED, THE BUTRES STENCIL OR LEGEND SHALL BE REPLACED TO THE SATISFACTION OF THE CITY.
- 3. NO CONSTRUCTION SHALL BE STARTED WITHOUT PLANS AND/OR PERMITS APPROVED BY THE REQULATORY ACROIGES HANNE JUNISDICTION DOVER THE WORKING DAYS PRIOR TO STARTING CONSTRUCTION, ANY CONSTRUCTION DONE WITHOUT APPROVED PLANS AND/OR PERMITS AND PEROR NOTIFICATION MILL BE RESCRIED AND WILL BE AT THE CONTRACTORY SIGN AND DEFENSE.
- 14) ALL LANDSCAPING AND CRASSED AREAS SHALL BE RESTORED TO THEIR ORIGINAL COMDITION UNLESS OTHERWISE NOTED ON THE PLANS. ALL IRRIGATION LINES, SPRINKLERS, CONTROL WRIES, AND CONTROL BOXES THAT

- ARE DAMAGED SHALL BE REPAIRED TO THE SATISFACTION OF THE CITY OF SAN LUIS OBISED AND TO THE REGULATORY AGENCY PER THE PROJECT SPECIFICATIONS
- 15 ALL P.C.C. AND A.C. PAVEMENT REMOVALS SHALL BE OUTLINED TO NECESSARY WIGHING LIMITS AND SAW CUT PRIGHT TO REMOVAL, ALL DEBRIS CREATED BY THE REMOVAL OPERATIONS SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF AWAY FROM THE OBJISTE IN A MANNER AND AT A LOCATION ACCEPTAGE. TO ALL COONCRANT ACCRICES.
- 16. THE CONTRACTOR SHALL COOPERATE WITH OTHER CONTRACTORS AND UTILITY COMPANIES PERFORMING OTHER CONSTRICTION AND MAINTENANCE WORK IN THE AREA.
- 17. THE CONTRACTOR'S WORK SCHEDULE SHALL TAKE INTO ACCOUNT SCHEDULE RESTRICTIONS NECESSARY FOR THE SAFE HANDLING OF VEHICLE, BICYCLE, AND PELESTRIAN TRAFFIC ADJACENT TO PROJECT.
- 18. COMPACTION TESTS SHALL BE DONE ON SUBGRADE MATERIAL AND MATERIAL PLACED AS SPECIFED BY THE CITY OF SAN LUIS OBISPO, SAID TEST SHALL BE COMPLETED BY A CERTIFIED SOLS ENGINEER AND APPROVED BY THE CITY OF SAN LUIS OBISPO PRIOR TO THE PLACING OF THE NEXT MATERIAL.
- 19, IN THE EVENT THAT THE CONTRACTOR NOTICES IRREGULARITIES IN THE LINE OR ORADE HE SHALL BRING IT TO THE IMMEDIATE ATTENTION OF THE CITY OF SAN LILLS OBSEPS AND DESIGN ENGINEER IN WRITING (RR), IF HE FALLS TO DO SO, THE CONTRACTORS SHALL BE RESPONSIBLE FOR ANY ERROR IN THE LINE AND GRADE AND NECESSARY RECONSTRUCTION TO CORRECT SUCH ERROR.
- 20, NETHER THE CITY OF SAN LUIS OBISPO NOR THE ENGINEER WILL ENFORCE SAFETY MEASURES ON REGULATIONS AS THE PERFAN TO THE CONTRACTOR, THE PROPERTY OF THE CONTRACTOR, AND ENGINE AND SHALL BE SOLITY PRESPONSIBLE FOR CONFORMING TO ALL LOCAL, STATE, AND FEDERAL SAFETY AND HEALTH STANDARDS, LAWS, AND RECULATIONS.
- 21. THE CONTRACTOR SHALL FURNISH SUPPLIERS CERTIFICATES OF COMPLIANCE STATING THAT ALL PIPE, FITTINGS, PROTECTIVE COATINGS, AND ALL OTHER MATERIALS COMPLY WITH THE PLANS AND REQUIREMENTS OF THE CONTRACT DOCUMENTS
- 22 THE CONTRACTOR SHALL NOT INTERRUPT THE UTILITY SERVICE FUNCTION, DISTURB THE SUPPORT BASE, OR MODIFY ANY FACILITY WITHOUT AUTHORITY FROM THE UTILITY OWNER OR THE CITY OF SAN LUIS OBJEPO.
- 23. EXISTING PRELIMES/FIGHTS: THAT CROSS THE PROPOSED UTILITIES OR SMILAR EXCAMATIONS SEQUIND TO CONCEINED THE PROPOSED AND SHALL BE PROPERTIES IN FLACE. UNITED SHERMEN MOTION, ALL DISTRICTIONS FOR CITY OF SAME LIST, DISSPIRATIONS OF THE PRELIME SHERMEN DISSPIRATIONS OF THE PRELIME SHERMEN OF THE UNITED HE SHERMEN OF THE PRELIME SHERMEN THE CONTRACTOR SHALL BLACE IS SHERMEN BETWEEN THE CONTRACTOR SHALL BLACE IS SHERMEN BETWEEN THE CONTRACTOR SHALL BLACE IS SHERMEN S
- 24. THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY OF THE DISCOVERY OF ANY UTILITY THAT WAS OMITTED FROM THE PLANS UNDER THE PROBLEM OF THE PROBLEM OF
- 25 THE CONTRACTOR SHALL IMMEDIATELY NOTIFY THE CITY OF SAN LUIS OBISPO AND UTILITY OWNER IF ANY UTILITY IS DISTURBED OR DAMAGED DURING THE COURSE OF THE WORK. THE CONTRACTOR SHALL BEAR THE COSTS OF REPAR OR REPLACEMENT OF ANY MARKED UTILITY WHERE DAMAGE WAS CAUSED BY THE CONTRACTOR'S ACTIVITY.
- 26 CONTRACTOR SHALL EXPOSE AND VERIFY LOCATION AND ELEVATION OF EXISTING UTILITIES, INCLUDING SANITARY AND STORM SEWERS, WATER, ELECTRIC, AND CABLE LINES BEFORE CONSTRUCTING NEW FACILITIES EXISTING UTILITIES ARE APPROXIMATE ONLY
- 27 STORM DRAIN PIPE MATERIAL SHALL BE PER PLAN OR BETTER INSTALLED PER MANUFACTURER'S RECOMMENDATIONS WITH WATER TIGHT JOINTS
- 28 ALL TRENCH EXCAVATION AND BACKFILL FOR LINES SHALL CONFORM TO REQUIREMENTS OF THE CITY OF SAN LUIS OBJECT AND THE RECOMMENDATIONS OF THE PROJECT GEOTECHNICAL ENGINEER.
- 29. ALL TRENCHES AND EXCAVATIONS SHALL BE CONSTRUCTED IN STRICT COMPLIANCE WITH THE APPLICABLE SECTIONS OF CALIFORNIA AND FEDERAL OF HA. REQUIREMENTS AND OTHER APPLICABLE SECTION FORMANCES CONTRACTOR SHALL BEAR FULL RESPONSIBILITY FOR TRENCH SHORING DESIGN AND INSTALLATION.
- 30. ALL CONSTRUCTION OF UTILITIES SHALL COMMENCE AT THE DOWNSTREAM CONNECTION AND RUN UPSTREAM SHOULD THE CONTRACTOR DEVIATE FROM THIS STANDARD, ANY REVISIONS TO THE LINE DUE TO CONFLICTS OF UNFORESEEN CIRCUMSTANCES SHALL BE THE CONTRACTOR'S RESPONSIBILITY
- 31 ALL NEW WATER MAINS SHALL MEET THE REQUIREMENTS OF CITY OF SAN LUIS OBISPO SPECIFICATIONS AND ENGINEERING STANDARDS SECTION 77.
- 32 ALL PIPE TO DRAINAGE INLET FITTING CONNECTIONS SHALL BE EQUIPPED WITH RESTRAINTS (EBAA SERIES 2000PV MEGALUG, OR APPROVED EQUAL)
- 33 ALL DUCTLÉ IRON FITTINGS BURIED UNDERGROUND SHALL BE PROTECTED FROM CORROSION WITH PLASTIC FILM WRAP IN ACCORDANCE WITH AMSI A21,5 AND AWAR CIGS AND CHY OF SAN LUIS GRESS SECTION 77-202B. IN ADDITION, ALL DUCTLE IRON FITTINGS, AND VALVES BURIED UNDERGROUND SHALL BE WAPFED WITH 10 MLS PD.CHEMILEMES SHEETING
- 34 ALL DUCTLE IRON FITTINGS SHALL BE MECHANICAL JOINT PER PLAN AND CONFORM TO ANS/AWWA C10/AZ110, UNLESS OTHERWISE NOTED. ALL DUCTLE IRON FITTINGS SHALL BE RATED FOR A WORKING PRESSURE OF NC LESS THAN 350 PSI PER CITY OF SAN LUIS OBISPO SECTION 77-202C
- 35 ALL NUTS AND BOLTS FOR FLANGES SHALL BE IN ACCORDANCE WITH AWWA C110-OB PER CITY OF SAN LUIS OBISPO SECTION 77-2.020

GRADING AND PAVING NOTES:

II WORN SHALL CONSIST OF ALL CLEANS (NCLUDING THEE REMOVAL). CREBING, AND STREPRING, PERPARATION LOANS TO BE FILLED. EXCAVATION, SPREADING, COMPACTION OF COND. TO BE FILLED. AND ALL SUBSIDIARY WORK RECESSARY TO COMPRETE THE GRADING TO COMPORT OF THE LINES, GRADING AND SLOPES, AS SHOWN ON THE ACCEPTED PLANS AND TO THE SATISFACTION OF THE GOTZCHNICHEL RENNIGER REVIEWMS THE WORK.

- 2 CONTRACTOR IS RESPONSIBLE TO VERIFY THAT PERMITS ARE IN ORDER PRIOR TO STARTING WORK ON THE PROJECT, CONTRACTOR SHALL ADHERE TO THE REQUIREMENTS THEREOF.
- 3 THE CONTRACTOR SHALL NOTIFY THE SOIL ENGINEER, AND THE CITY OF : LUIS DBISPO INSPECTOR AT LEAST FORTY EIGHT (48) HOURS PRIOR TO COMMENCEMENT OF ANY GRADING OPERATIONS ON—SITE.
- CUT AND FILL SLOPES SHALL NOT EXCEED A GRADE OF 1.5 UNITS HORIZONTAL TO 1 UNIT VERTICAL AND 2 UNITS HORIZONTAL TO 1 UNIT VERTICAL RESPECTIVELY, AS APPROVED IN THE PROJECT SOILS ENGINEER REPORT.
- 5 A REPRESENTATIVE OF THE SOLS ENGINEER SHALL BE ON SITE DURING CRADING OPERATIONS AND SHALL PERFORM SUCH TESTING AS DEEMED NECESSARY. THE REPRESENTATIVE SHALL DESERVE THE GRADING OPERATION FOR CONDITIONS THAT SHOULD BE CORRECTED, AND DESTITY THOSE CONDITIONS WITH RECOMMENDED CORRECTIVE MEASURES TO THE CONTRACTOR.
- IN THE EVENT THAT ANY UNUSUAL CONDITIONS NOT COVERED BY THESE NOTES ARE ENCOUNTERED DURING GRADING OPERATION, THE SOILS ENGINEER SHALL BE IMMEDIATELY NOTIFIED FOR DIRECTIONS.
- 7. FILL MATERIALS SHALL NOT INCLUDE ORGANIC, FROZEN, OR OTHER DELETEROUS MATERIALS NO ROOK OR SIMILAR IRREDUCIBLE MATERIAL GREATER THAN 12 INCHES (305MM) IN ANY DIMENSION SHALL BE INCLUDED IN FILLS.
- 6. FILL MATERIAL PLACED WITHIN 3' OF FINISHED GRADE IN ROADWAY OR FLATWORK AREA SHALL BE COMPACTED TO A MINIMUM OF 95 PERCENT OF MAXIMUM DRY DENSITY AS DETERMINED BY ASTM O 1557, MODIFIED PROCTOR, IN UPTS NOT EXCEEDING 12 INCHES IN DEPTH, UNLESS OTHERWISE SPECIFIED
- 9. AREAS TO BE CRADED SHALL BE PREPARED TO RECEIVE FILL BY REMOVING VECETATION, TOPSOIL, AND OTHER UNSUITABLE MATERIALS PRIOR TO OVER EXCAVATION AND SCARIFICATION TO THE DEPTHS SPECIFIED BY THE PROJECT SOILS ENGINEER
- 10. ALL EXISTING TRASH, DEBRIS, ROOTS, TIREE REMAINS AND OTHER RUBBISH-SHALL BE REMOVED FROM THE SITE AND PROPERLY DISPOSED OF SO AS TO LEAKE THE AREAS THAT HAVE BEEN DISTURBED WITH A NEXT AND FINISHED APPEARANCE FREE FROM UNSIGHTLY DEBRIS. NO BURNING SHALL BE PERMITTED.
- 11 WHERE EXISTING GRADE IS AT A SLOPE STEEPER THAN 5 HORIZONTAL TO I VERTICAL (20 PERCENT) AND THE DEPTH OF THE FILL EXCEDS 5 FEET, BENCHING SHALL BE PROVIDED IN ACCORDANG WITH THE RECONSTRAINTS OF THE SOLLS REPORT AND A NEY SHALL SE PROVIDED WHICH IS AT LEAST TO SECURE AND A NEY SHALL SE PROVIDED WHICH IS AT LEAST TO SECURE SHALL SHALL SE PROVIDED WHICH IS AT LEAST TO SOLLS ENGINEED WITH THE PROJECT OF THE
- 12. ALL AGGREGATE BASE MATERIAL AND THE HANDLING AND PLACEMENT THEREOF SHALL BE IN ACCORDANCE WITH CITY OF SAN LUIS OBISPO STANDARD SPECIFICATIONS AND ENGINEERING STANDARDS, AGGREGATE BASE MATERIALS SHALL BE CLASS II.
- 13 CONTRACTOR SHALL ADJUST ALL INLETS, VALVE BOXES, MANHOLE RIMS, AND SEWER CLEANOUTS TO NEW FINISH CRADE
- 14 MATERIALS HANDLING AND PLACEMENT OF PORTILAND CEMENT CONCRETE SHALL BE IN ACCORDANCE WITH APPLICABLE SECTIONS OF CITY OF SAN LUIS OBISPO STANDARDS AND THESE PLANS AND DETAILS SHOWN HEREON
- 15. CONCENTRATED DRAINAGE IS NOT ALLOWED ACROSS PUBLIC SIDEWALKS
- 16 APCD APPROVAL REQUIRED PRIOR TO GRADING

GENERAL CITY NOTES

- ANY EXISTING SURVEY MONUMENTS AND BENCHMARKS SHALL BE PROTECTED IN PLACE OR SHALL BE TIED OUT BY A LICENSED LAND SURVEYOR PRIOR TO INSTURBANCE AND THEN REPLACED PRIOR TO OCCUPANCY IN ACCORDACY IN ACCORDACY IN ACCORDACY OF THE CALIFORNIA BUSINESS AND PROFESSIONS CODE.
- 2 THE ADJOINING STREETS SHALL BE CLEANED BY SWEEPING TO REMOVE DIRT. DUST, MUD AND CONSTRUCTION DEBRIS AT THE END OF EACH DAY
- 3. A PRE-CONSTRUCTION MEETING SHALL BE COORDINATED BY THE OWNER/POSECUPER OF CONTRACTOR AND SHALL INCLUDE PERTINENT CITY WORKS INSPECTOR SHALL BINCLUDE IN ITS MEETING TO DECUSS THE LIMIT OF PUBLIC AND PRIVATE IMPROVEMENTS AND THE CORRESPONDING INSPECTOR RESPONSIBILITIES.
- THE PUBLIC IMPROVEMENTS SHALL BE SUBSTANTIALLY COMPLETE TO THE SATISFACTION OF THE PUBLIC WORKS DIRECTOR PRIOR TO FINAL INSPECTION APPROVALS AND/OR OCCUPANCY OF ANY BUILDING.
- 5 "RECORD" DRAWINGS OR "AS-BUILT" PLANS ARE REQUIRED FOR ALL WORK
 WITHIN THE PUBLIC RONT-OF-WAY WITHIN CITY EASEWAYS AT THEMADO
 SPECIFICATIONS: HE RECORD DAWNINGS SHALL BE RECEDED. AN ACCEPTED
 BY THE CITY PRIOR TO RINAL ACCEPTANCE OF THE IMPROVEMENTS AND/OR
 OCUPANCY OF ANY BUILDING.
- STORMWATER AND DRAINAGE SYSTEM CERTIFICATION IS REQUIRED FROM THE ENGINEER PRIOR TO FIRM. INSPECTION APPROVALS: THE ENONEER SMALL CERTIFY THAT THE DRAINAGE AND STORMWATER SYSTEM COMPONINTS HAVE BEEN KYSPECTED AND ARE IN GENERAL COMPONIANCE WITH THE DRAINAGE PREPORT, SYSTEM DESIGN, AND HE APPROVED PLAIS, INCLUDING ALL FAVAL ELEMAN, COMPONIANCE WITH THE DRAINAGE PROPERTY STATE OF THE APPROVED PLAIS, INCLUDING ALL FAVAL ELEMAND, COMPONIANCE WITH STATE OF THE PROPERTY OF THE STATE OF THE PROPERTY OF THE STATE O
- 7 CONTRACTOR SHALL HIRE OR EMPLOY A QUALIFIED OSD TO STUDY THE SITE AND ASSION THE APPROPRIATE RISK LEVEL PRIOR TO DESIGNING THE SWPP FOR THE PROJECT.

100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION A

FARM ROAD & ORCUTT RO ROUNDABOUT

TANK

No

GENERAL

8

N/A

SKP

NO SCALE 01/26/2021 PPG GOOD NO. 1000164

2460T001.0wg est with

GN1

- SPECIFIC PLAN APPLICANTS SHALL BE REQUIRED TO ENSURE THAT ALL CONSTRUCTION EQUIPMENT. AND PORTABLE ENGINES ARE PROPERLY MAINTAINED AND TUNED ACCORDING TO MANUFACTURER'S SPEC FICATIONS
- SPECIFICATIONS
 SPECIFICATIONS
 SPECIFICATION APPLICANTS SHALL BE REQUIRED TO ENSURE THAT OFF —ROAD AND PORTABLE
 DIESEL POMERCD EQUIPMENT, INCLUDING BUT NOT LIMITED TO SULLIDOZERS, GRADERS, CRAVES,
 LOADERS, SCAPERS, BACKHOES, GENERATION SETS, COMPRESSORS, AUXILIARY POWER UNITS, SHALL BE FUELED EXCLUSIVELY WITH CARB MOTOR VEHICLE DIESEL FUEL (NON -TAXED OFF -ROAD DIESEL IS ACCEPTABLE)
- SPECFIC PLAN APPLICANTS SHALL BE REQUIRED TO INSTALL A DIESEL OXIDATION CATALYST ON EACH OF THE TWO PIECES OF EQUIPMENT PROJECTED TO GENERATE THE GREATEST EMISSIONS.

AQ -3(8) DUST CONTROL, THE FOLLOWING MEASURES SHALL BE IMPLEMENTED TO REDUCE PMID EMISSIONS DURING ALL SPECIFIC PLAN CONSTRUCTION;

REDUCE THE AMOUNT OF THE DISTURBED AREA WHERE POSSIBLE

USE WATER TRUCKS OR SPRINKLER SYSTEMS IN SUFFICIENT OUANTITIES TO PREVENT AIRBORNE DUST FROM LEAVING THE SITE WATER SHALL BE APPLIED AS SOON AS POSSIBLE WHENEVER WIND SPEEDS EXCEED 15 MILES PER HOUR RECLAIMED (NONPOTABLE) WATER SHOULD BE USED WHENEVER POSSIBLE

- WHEREVER POSSIBLE

 ALL DIRT STOCK PILE AREAS SHALL BE SPRAYED DAILY AS NEEDED.

 PERMANENT DUST CONTROL MEASURES SHALL BE IDENTIFIED IN THE APPROVED SPECIFIC PLAN

 REVESETATION AND LANDSCAPE PLANS AND MINELMENTED AS SOON AS POSSIBLE FOLLOWING

 COMFLETION OF ANY SOIL DISTURBING ACTIVITIES.

 EXPOSED GROUND AREAS THAT ARE PLANNED TO BE REWORKED AT DATES GREATER THAN ONE

 MONTH AFTER INITIAL CRADING SHALL BE SOWN WITH A FAST SEMMINATING NATIVE GRASS SEED

 AND WATERED UNTIL VEGETATION IS ESTABLISHED.

 ALL DISTURBED SOIL AREAS NOT SUBJECT TO REVEGETATION SHALL BE STABILIZED USING

 APPROVED CHEMICAL SOIL BINDERS, JUTE NETTING, OR OTHER METHODS APPROVED IN ADVANCE BY

 THE APOLY
- THE APCD
- THE APCD.

 **ALL ROADWAYS, DRIVEWAYS, SIDEWALKS, ETC., TO BE PAVED SHALL BE COMPLETED AS SOON AS POSSBLE, IN ADDITION, BUILDING PADS SHALL BE LAID AS SOON AS POSSBLE AFTER GRADING UNLESS SEEDING OR SOIL BINDERS ARE USED.
- UNILES SELUMNO ON SOIL BINDERS ARE DISED.

 VEHICLE SPEED FOR ALL CONSTRUCTION VEHICLES SHALL NOT EXCEED 15 MPH ON ANY UNPAVED

 SURFACE AT THE CONSTRUCTION SITE.

 ALL "RUCKS HAULING DIRT, SAND, SOIL OR OTHER LOOSE MATERIALS SHALL BE COVERED OR SHALL

 MAINTAIN AT LEAST TWO FEET OF FREEDORD (MINIMUM VERTICAL DISTANCE BETWEEN TOP OF LOAD AND TOP OF TRAILER) IN ACCORDANCE WITH CVC SECTION 23114.

 INSTALL WHEEL WASHERS WHERE VEHICLES ENTER AND EXIT UNPAYED ROADS ONTO STREETS, OR
- WASH OFF TRUCKS AND EQUIPMENT LEAVING THE SITE

 SWEEP STREETS AT THE END OF EACH DAY IF VISIBLE SOIL MATERIAL IS CARRIED ONTO ADJACENT PAVED ROADS, WATER SWEEPERS WITH RECLAIMED WATER SHALL BE USED WHERE FEASIBLE

AQ -3(CI COVER STOCKPILED SOILS IF IMPORTATION, EXPORTATION, OR STOCKPILING OF FILL MATERIAL IS INVOLVED, SOIL STOCKPILED FOR MORE THAN TWO DAYS SHALL BE COVERED, KEPT MOIST, OR TREATED WITH SOIL BINDERS TO PREVENT DUST GENERATION, TRUCKS TRANSPORTING MATERIAL SHALL BE TARRED FROM THE POINT OF ORIGIN.

AO -3(D) DUST CONTROL MONITOR ON ALL PROJECTS WITH AN AREA OF DISTURBANCE GREATER THAN 1 ACRE, THE CONTRACTOR OR BUILDER SHALL DESIGNATE A PERSON OR PERSONS TO MONITOR THE DUST CONTROL PROGRAM AND TO ORDER INCREASED WATERING AS NECESSARY TO PREVENT TRANSPORT OF DUST OFF -SITE. THEIR DUTIES SHALL INCLUDE HOLIDAY AND WEEKEND PERIODS WHEN WORK MAY NOT BE IN PROGRESS.

B -3(A) CONSTRUCTION REQUIREMENTS DEVELOPMENT UNDER THE SPECIFIC PLAN SHALL ABIDE BY THE REQUIREMENTS OF THE CITY ARBORIST FOR CONSTRUCTION, REQUIREMENTS SHALL INCLUDE BUT NOT BE LIMITED 10: THE PROTECTION OF TREES WITH CONSTRUCTION SETBACKS FROM TREES. CONSTRUCTION FENCING AROUND TREES; GRADING LIMITS AROUND THE BASE OF TREES AS REQUIRED

8 -5(A) BIRD PRE - CONSTRUCTION SURVEY, TO AVOID IMPACTS TO NESTING SPECIAL- STATUS BIRD 6 - 3(4) BIRU PRE - CONSTRUCTION SURVEY IN A VOID IMPACTS TO RESIME SPECIAL STATUS BIRD SPECIAL STATUS BIRD SPECIAL STATUS BIRD SPECIAL STATUS BIRD SPECIAL SPECIAL STATUS BIRD SPECIAL SPECIAL SPECIAL BE LIMITED TO THE TIME PERIOD BETWEEN DISTURBING ACTIVITIES AND TERROVARY I. IF INITIAL SITE DISTURBANCE, GRADING, AND TIREE REMOVAL CANNOT BE CONDUCTED DURING THIS TIME PERIOD, A PTEC CONSTRUCTION SURVEY FOR ACTIVE NESTS WITHIN THE LIMITS OF GRADING SHALL BE CONDUCTED BY A QUALIFED BIOLOGIST AT THE SITE TWO WEEKS. PRIOR TO ANY CONSTRUCTION ACTIVITIES (FOR

PRIOR TO ANY CONSTRUCTION ACTIVITIES (FOR GROUND - RESTING BURROWING OW. SURVEY SEE BELOW) IF ACTIVE NESTS ARE LOCATED, ALL CONSTRUCTION WORK MUST BE COMPUCTED OUTSIDE A BUFFER ZONE OF 200 FEET TO 500 FEET FROM THE NESTS AS DETERMINED IN CONSULTATION WITH THE COFG. NO DIRECT DISTURBANCE TO NESTS SHALL OCCUR UNTIL THE ADULTS AND YOUNG ARE NO LONGER RELIANT ON THE NEST SITE, A QUALIFIEE BIOLOGIST SHALL CONFRIM THAT BREEDING / NESTING IS COMPLETED AND YOUNG HAVE FLEDGED THE NEST PRIOR TO THE START OF CONSTRUCTION.

B -5(C) MONARCH PRE - CONSTRUCTION SURVEY, IF INITIAL GROUND- BREAKING IS TO OCCUR BETWEEN THE MONTHS OF OCTOBER AND MARCH A PRE - CONSTRUCTION SURVEY FOR ACTIVE MONARCH ROOST SITES WITHIN THE LIMITS OF GRADING SHALL BE CONDUCTED BY A QUALIFIED BIOLOGIST AT THE SITE TWO WEEKS PRIOR TO ANY CONSTRUCTION ACTIVITIES IF ACTIVE ROOST SITES ARE LOCATED NO GROUND- DISTURBING ACTIVITIES SHALL OCCUR WITHIN SO FEET OF THE PERMETER OF THE HABITAT. CONSTRUCTION SHALL NOT RESUME WITHIN THE SETBACK UNIL A QUALIFIED BIOLOGIST HAS DETERMINED THAT THE MONARCH BUTTERFIFLY HAS VACATED THE SITE.

ARRREVIATIONS

ABBRE	VIATIONS:
Δ	ALGEBRAIC CRADE DIFFERENCE
AB	ALGEBRAIC GRADE DIFFERENCE AGGREGATE BASE
AC	ASPHALT CONCRETE
ALY AP	ALLEY ANGLE POINT ASSESSOR'S PARCEL NUMBER BEGIN CURVE
APN	ASSESSOR'S PARCEL NITURES
BC	BEGIN CURVE
BEG.Beg	HE GIN
BVC	BOULEVARD BEGINNING OF VERTICAL CURVE
CA	BEGINNING OF VERTICAL CURVE CALIFORNIA
C&G	CURB AND GUTTER
Cl	CENTERLINE
CLR	CLEARANCE
CMP CONC	CORRUGATED METAL PIPE
DIP	CONCRETE DUCTILE IRON PIPE DRIVEWAY
DWY	DRIVEWAY
(E)	EXISTING
EA EB	EACH EASTBOUND
EC	END CURVE
ELEV,Elev	ELEVATION
ETW EVC	END CURVE ELEVATION EDGE OF TRAVELED WAY END OF VERTICAL CURVE
Eviel	
FC	FACE OF CURB FINISHED GRADE
FG	FINISHED GRADE
FL FT	FLOWLINE FOOT (FEET
G	FOOT/FEET GRADE
H	HEIGHT
HMA IN	HOT MIX ASPHALT INCH
Inv	INVERT
L	INVERT LENGTH
LF LIP	LINEAR FEET LIP OF GUTTER LAYOUT LINE
LOL	LAYOUT LINE
Lt	LEFT
MH	MANHOLE
MIN,Min MOD	MINIMUM MODIFIED
MUTCD	MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES NOT A PAY ITEM NORTHBOUND
(N)	NOT A PAY ITEM
NB NAVD	NORTH AMERICAN VERTICAL DATUM
No	NUMBER
No NTS	NOT TO SCALE ON CENTER
0.C	ON CENTER ORIGINAL GROUND
OH	OVERHEAD
(P)	PROPOSED
PCC	POINT OF COMPOUND CURVATURE PORTLAND CEMENT CONCRETE
PCC PED	PEDESTRIAN
PG	PROFILE GRADE POTHOLE
PH PI	POTHOLE
P/L	POINT OF INTERSECTION
PRC	PROPERTY LINE PROPOSED PROPOSED
PROP	PROPOSED
PVC PVI	PVC PIPE POINT OF VERTICAL INTERSECTION
R	RADIUS
RCP	REINFORCED CONCRETE PIPE
RET RRST	RETAINING RAILROAD SAFETY TRAIL
Rt	RIGHT
RW	RÉTAINING WALL
R/W SB	RIGHT-OF-WAY SOUTHBOUND
SD	STORM DOWN
SDMH	STORM DRAIN MANHOLE SQUARE FOOT/FEET STREET NAME SIGN
SF	SQUARE FOOT/FEET
SSBM	STREET NAME SIGN STRAP AND SADDLE BRACKET METHOD
ST	STREET
STA,Sta	STATION STANDARD
STD SW	SIDEWALK
TC	SIDEWALK TOP OF CURB
TCE	TEMPORARY CONSTRUCTION EASEMENT
TI TYP	TRAFFIC INDEX TYPICAL
UPRR	UNION PACIFIC RAILROAD
Var	VARIES
VC W	VERTICAL CURVE WIDTH
	WESTBOUND

APPLICABLE STANDARD PLANS:

CITY OF SAN ILLIS OBISPO.

2110 3355 3420 3520 4020 4030 4110 4440 4910 6020 6040 6310 7120 7210 7215 7250 7350 7410 7520 7520 7520 7520 7520 7520 7520 752	CURB & GUITER SIDEMALK (INTEGRAL & DETACHED) CURB RAMP (CORNERS & MID-BLOCK) CUTING CONCRETE RAISED COBBLESTONE MEDIAN TESSED BELL ALL (FAMALO OR LINPAVED STREETS)
A20A A20B A20C A20D A24A A24C A24D A24E A77R3 A87A A88A A88B	NS STANDARD PLANS (DATED 2015) PAVEMENT MARKERS AND TRAFFIC LINES TYPICAL DETAILS PAVEMENT MARKENS ARROWS PAVEMENT MARKINGS FAMBOLS AND NUMERALS PAVEMENT MARKINGS WORDS PAVEMENT MARKINGS WORDS PAVEMENT MARKINGS WORDS CURB TAMP MARKINGS WORDS CURB TAMP DETAILS CURB TAMP AND ISLAND PASSAGEWAY DETAILS CONCRETE FLARED END SECTIONS TEMPORARY RAILING (TYPE K)

LEGEND:

— · · —	EXISTING SEWER
sd	EXISTING STORM DRAIN
— cs —	PROPOSED STORM DRAIN
$ \cdot -$	EXISTING TELEPHONE (UG)
t(oh)	EXISTING TELEPHONE (OH)
tv	EXISTING TELEVISION (UG)
Lv(on)-	EXISTING TELEVISION (OH)
	EXISTING RECYCLED WATER
	PROPOSED RECYCLED WATER
in the	EXISTING INLET
(6)	EXISTING SDMH
-	PROPOSED INLET
•	PROPOSED SDMH
-	UTILITY POLE
- □	PROPOSED STREET LIGHT
a[]	EXISTING STREET LIGHT

CENTERLINE

EXISTING RIGHT OF WAY

- - EXISTING ELECTRIC (UG) --- e(oh)- EXISTING ELECTRIC (OH) - -- 10 - EXISTING FIBER OPTIC



8 ROAD & ORCUTT

NOTES

FARM R TANK

C\$3755 Ver 08/30/21 CIVIL ON

NA

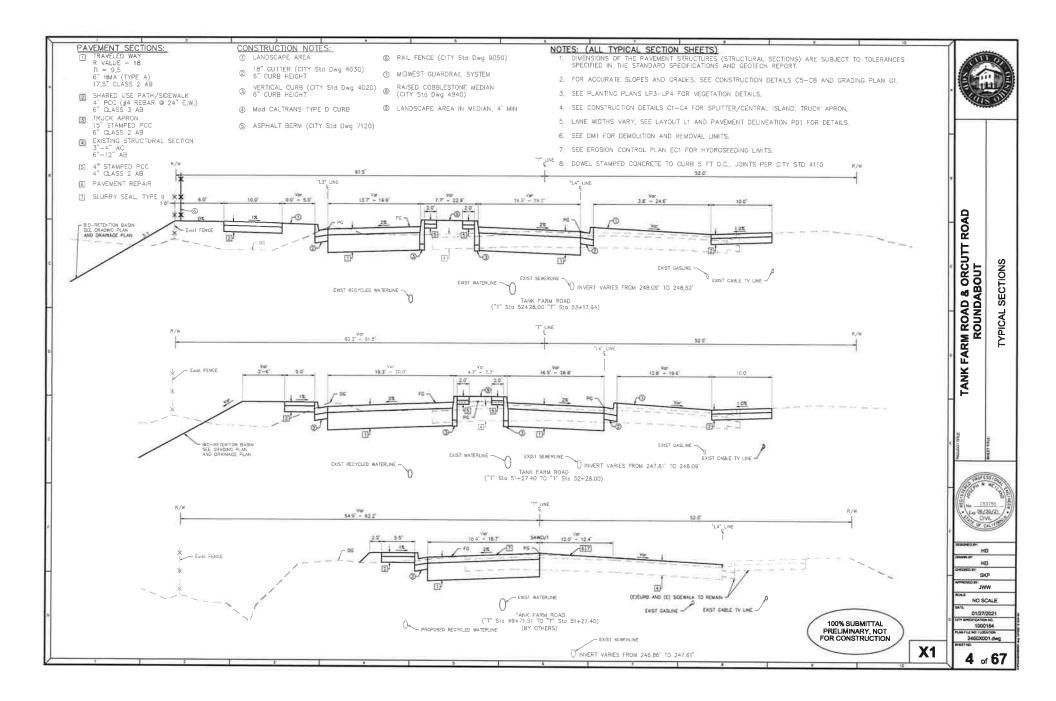
EM SKP www NO SCALE 01/26/2021 1000164

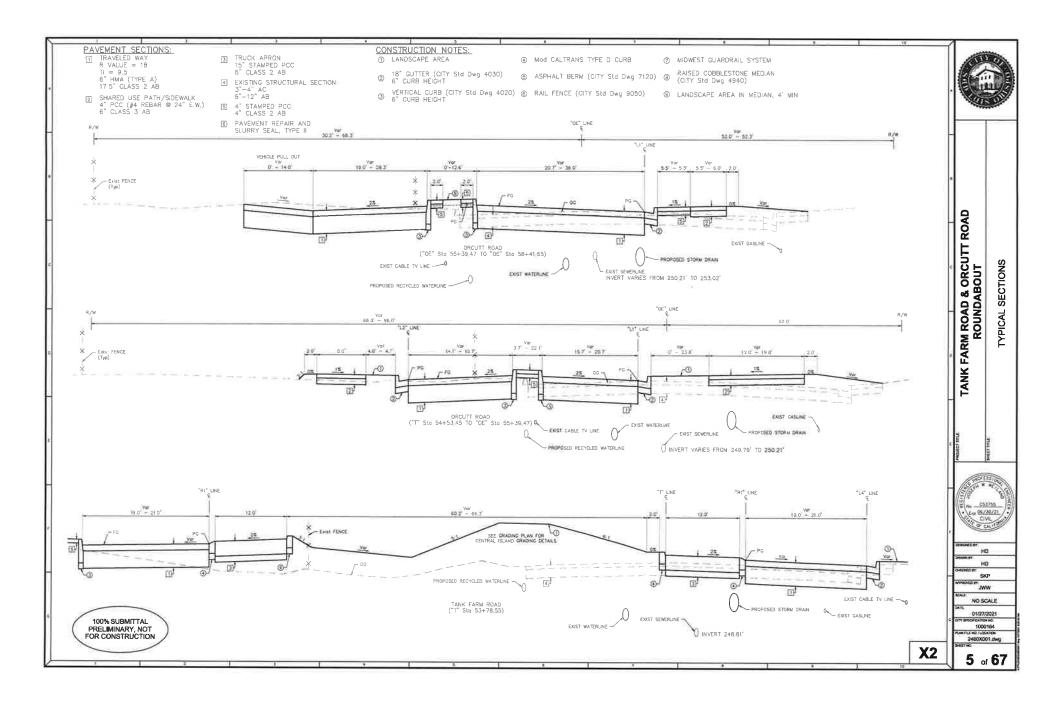
2460T001.dwg 3 of 67

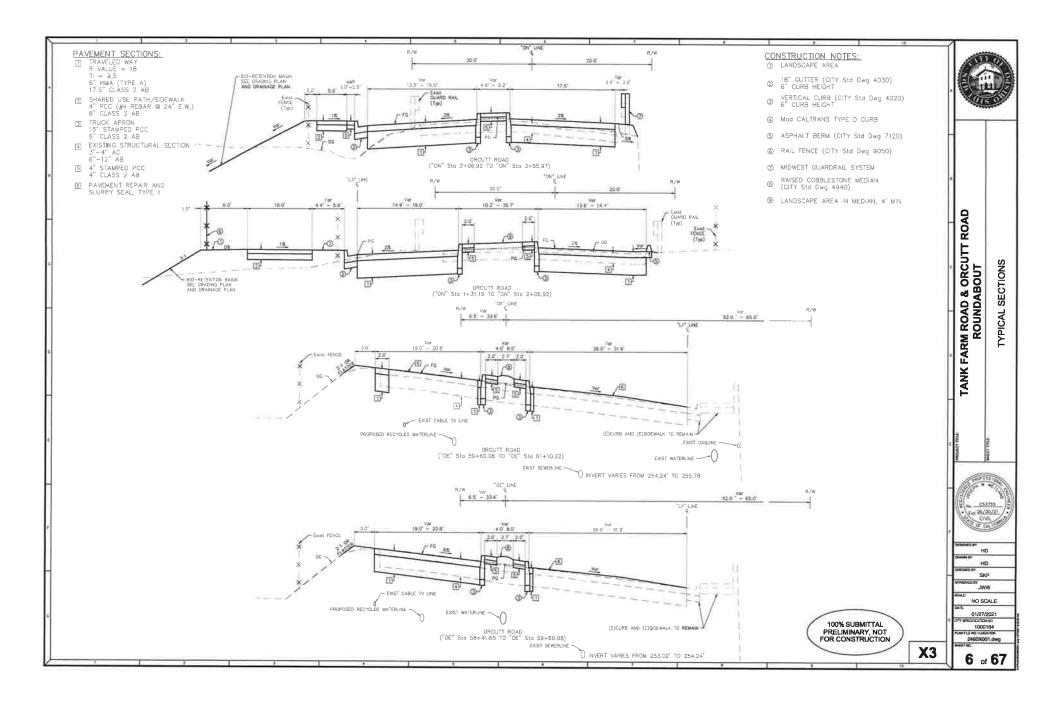
GN₂

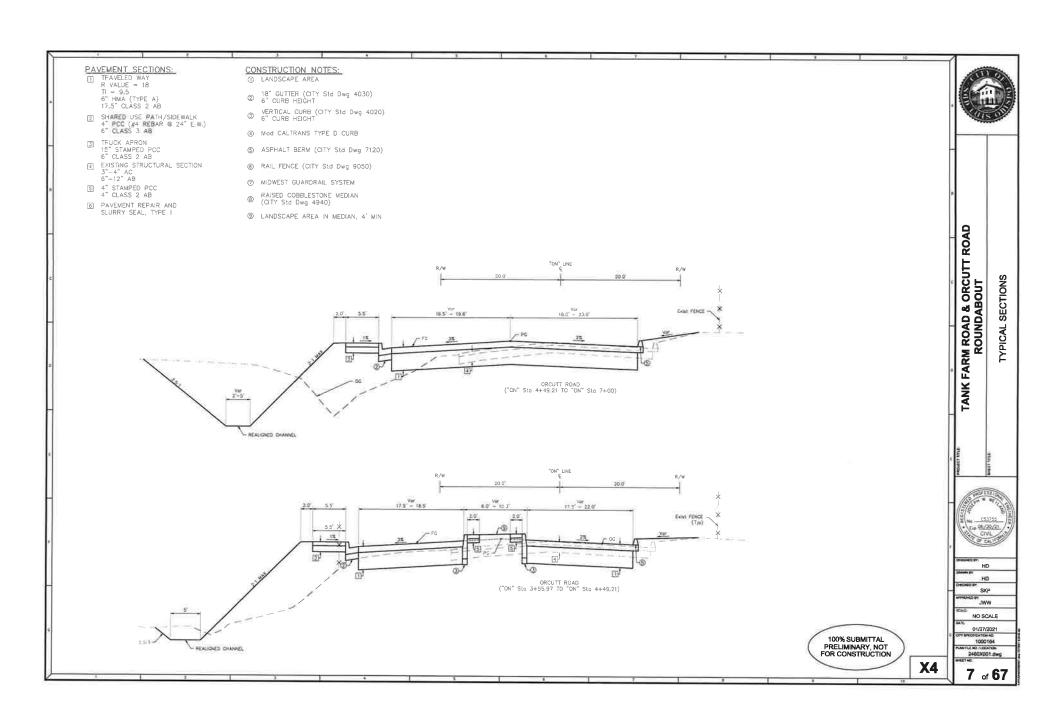
100% SUBMITTAL

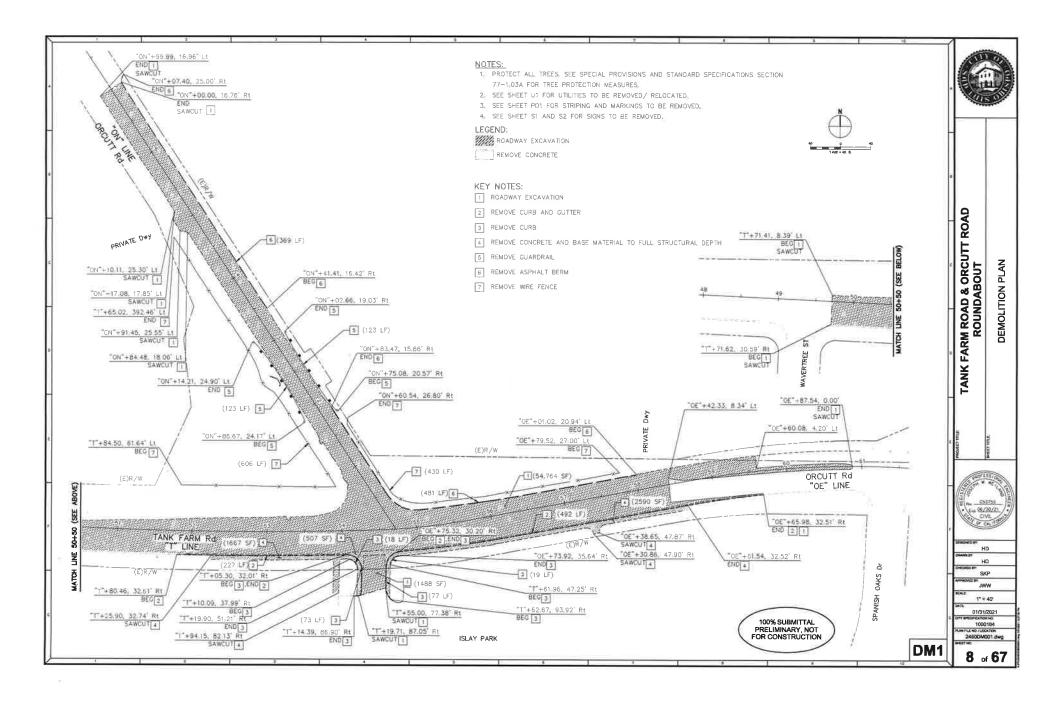
PRELIMINARY, NOT FOR CONSTRUCTION

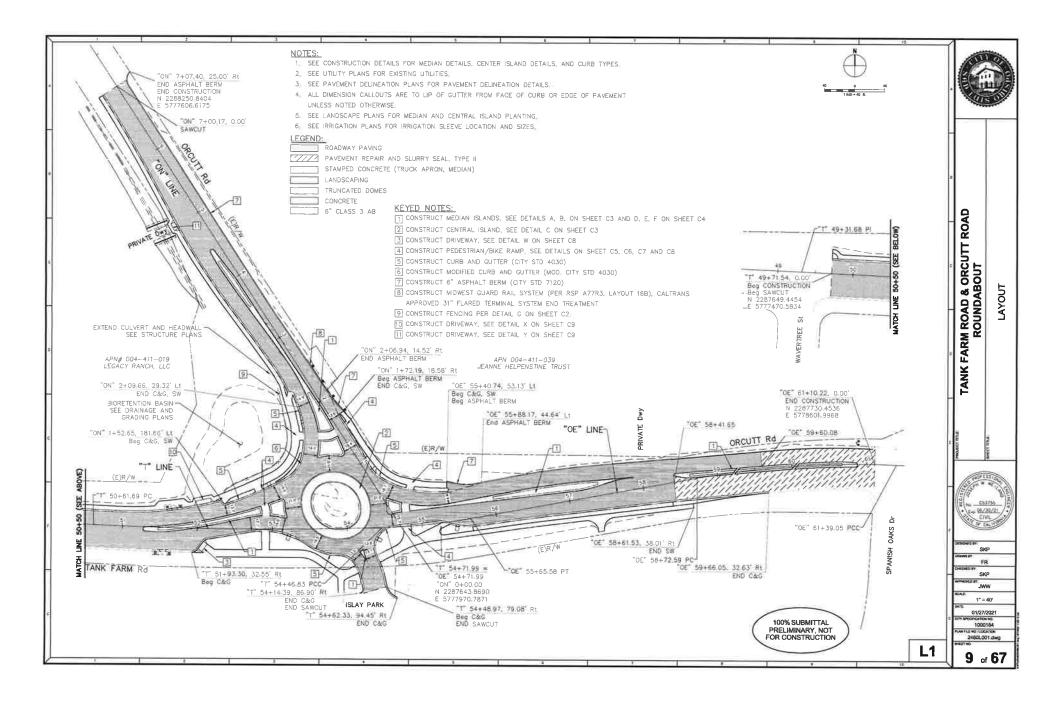


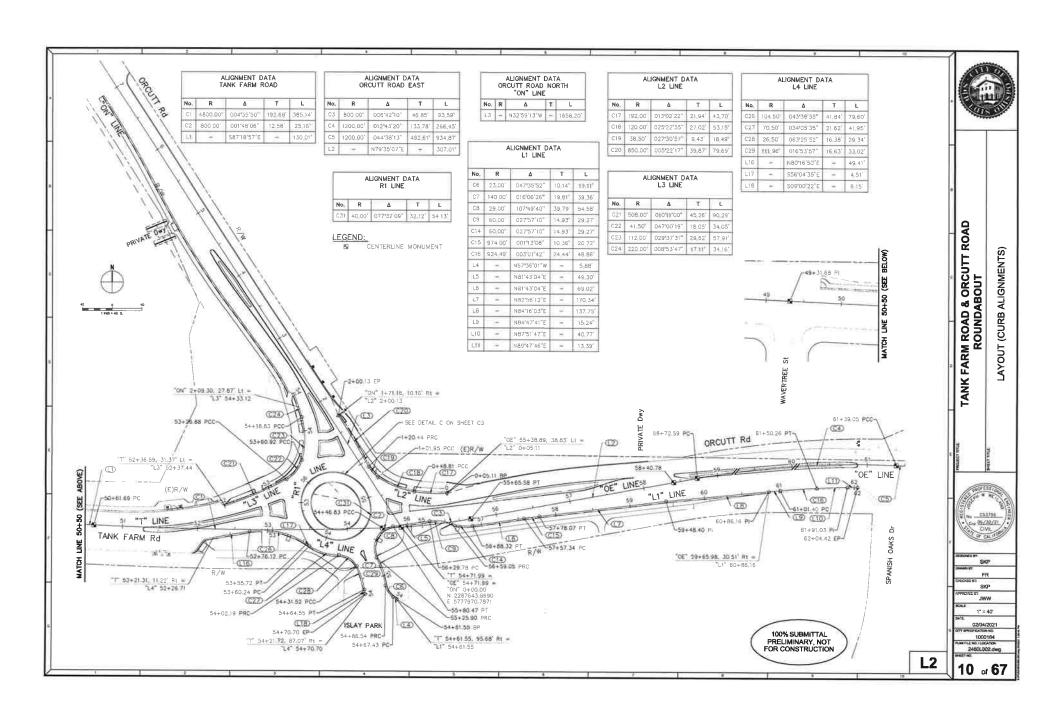


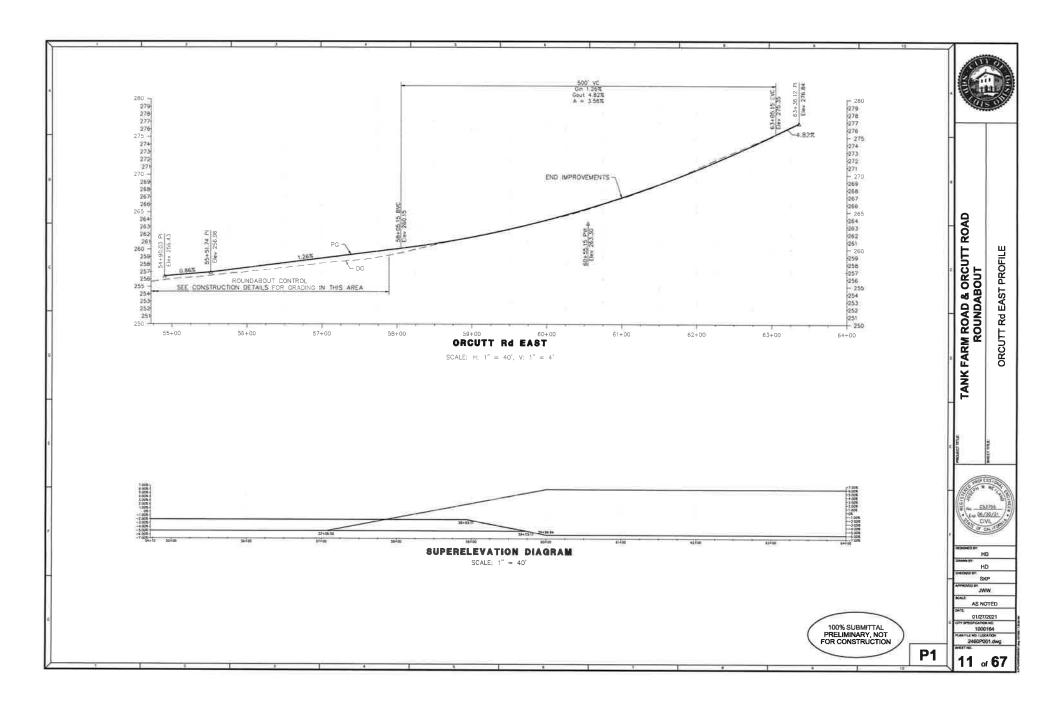


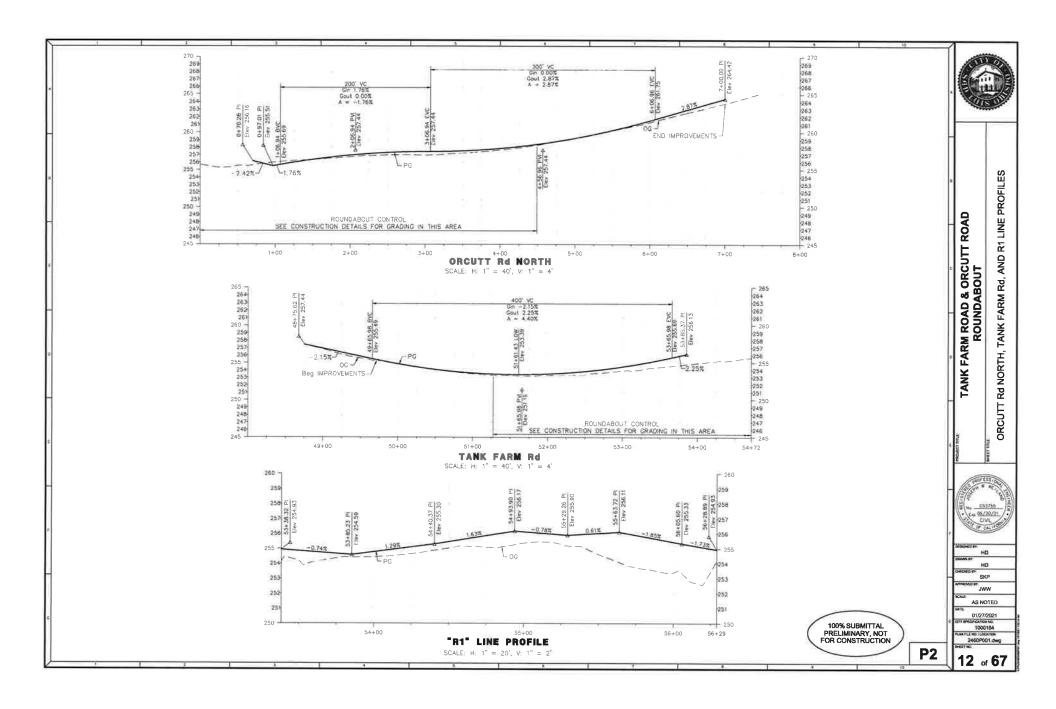


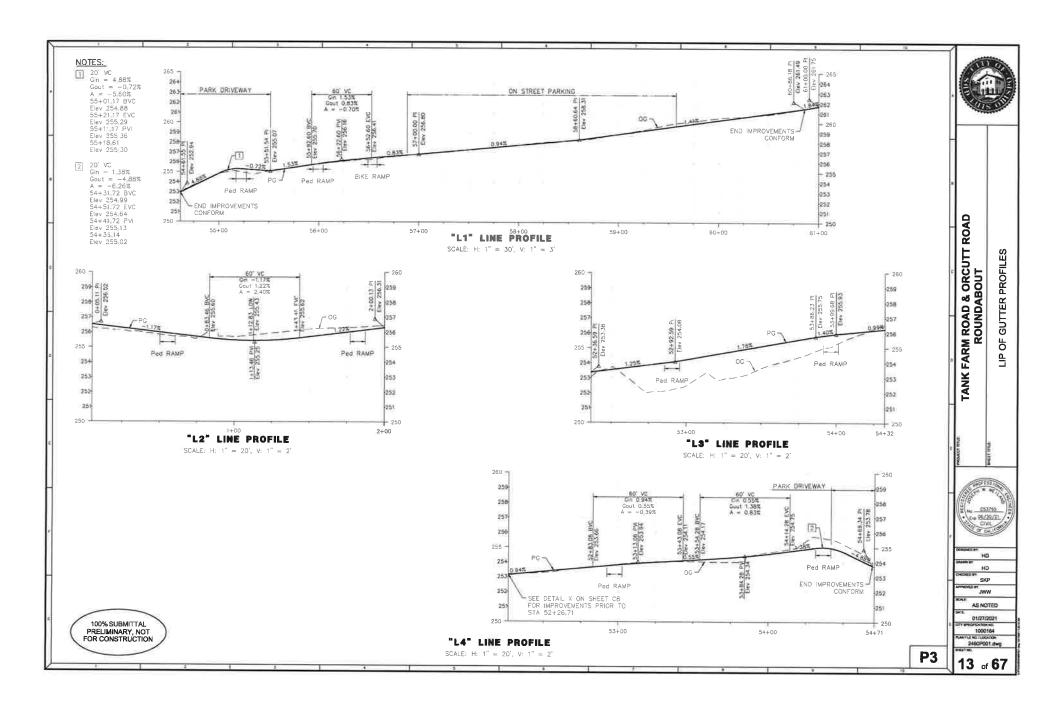


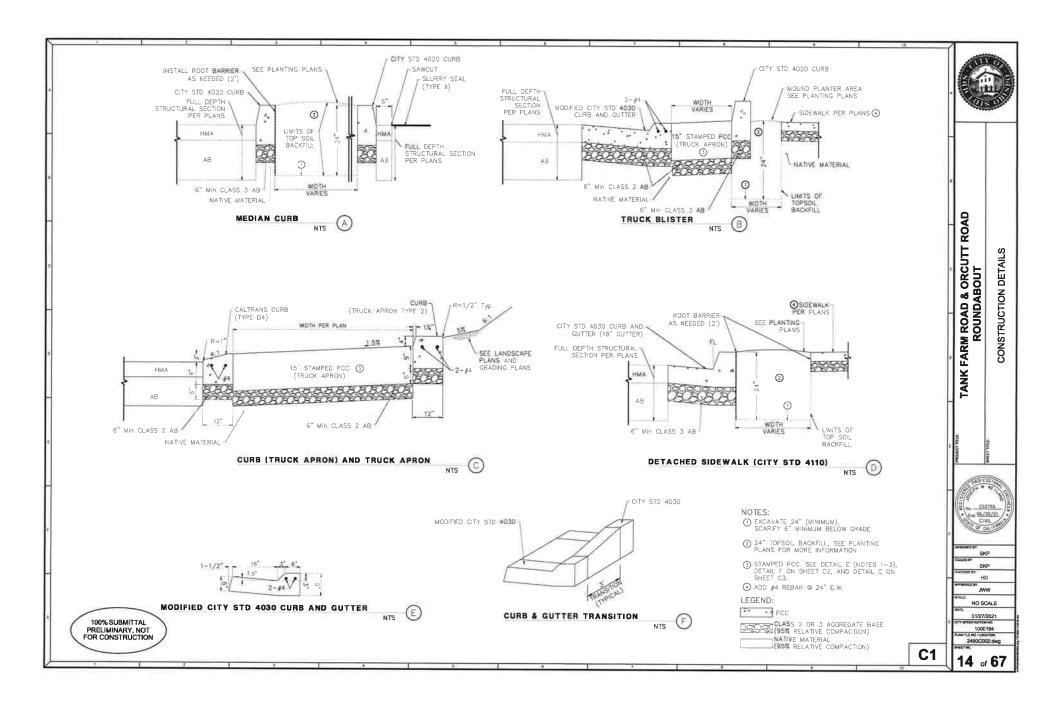


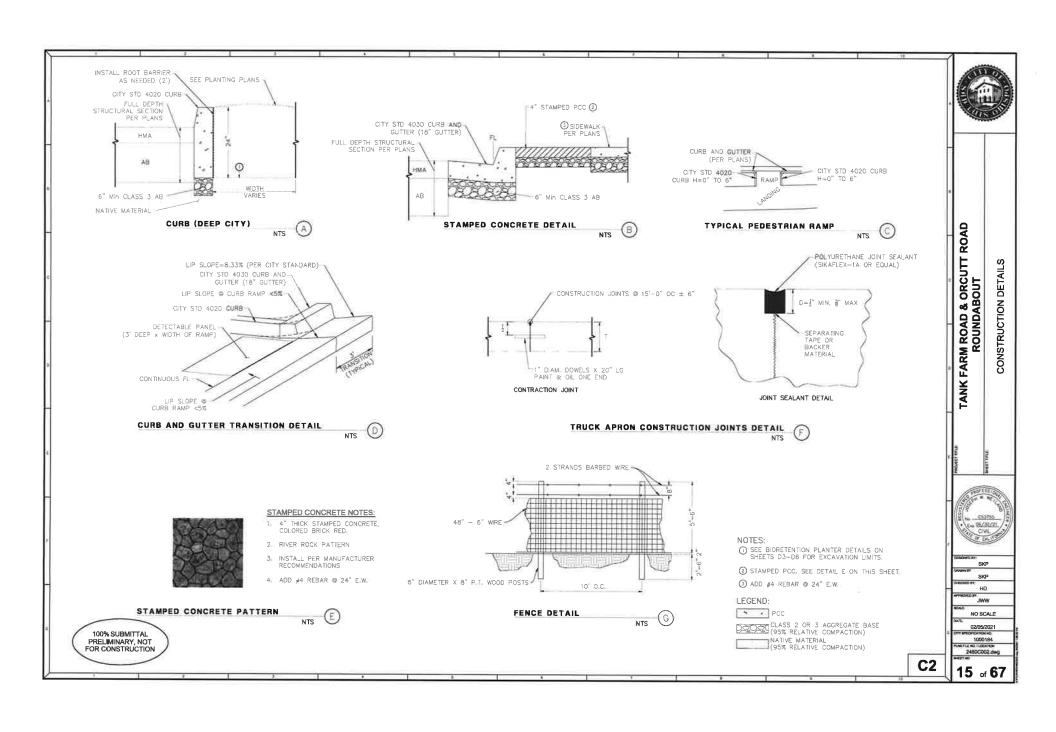


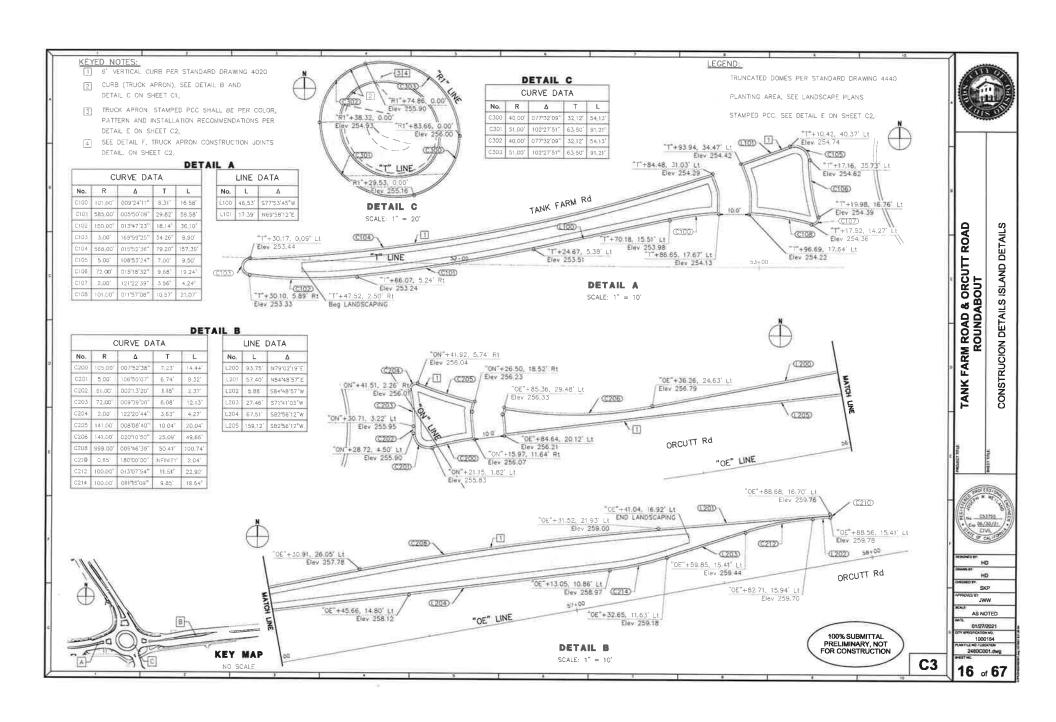


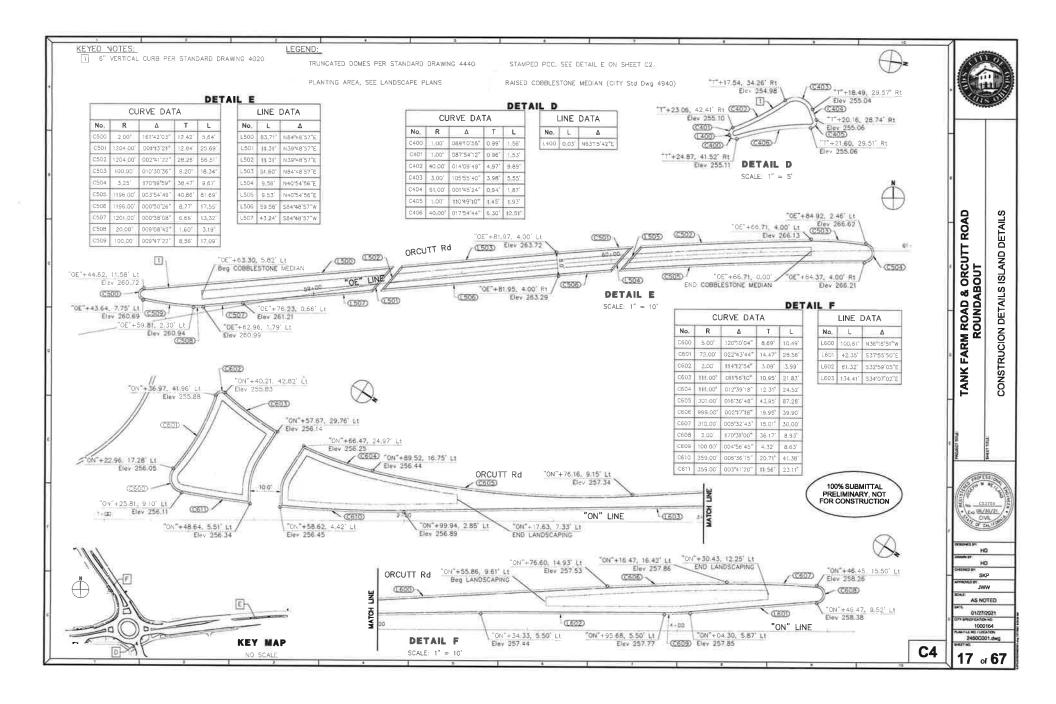


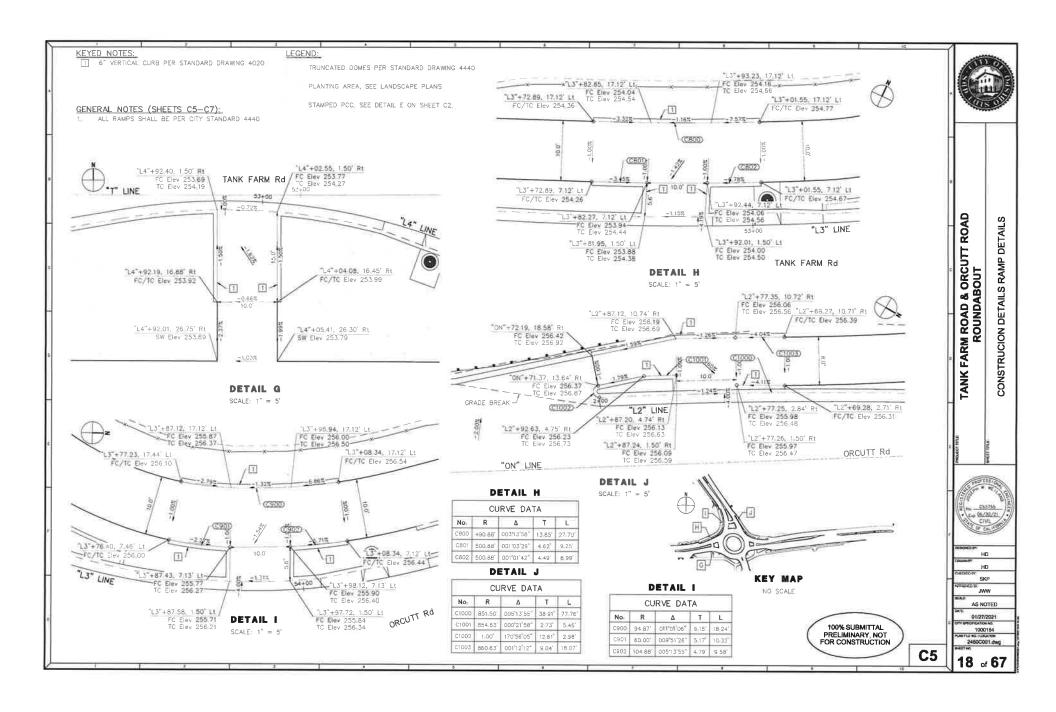


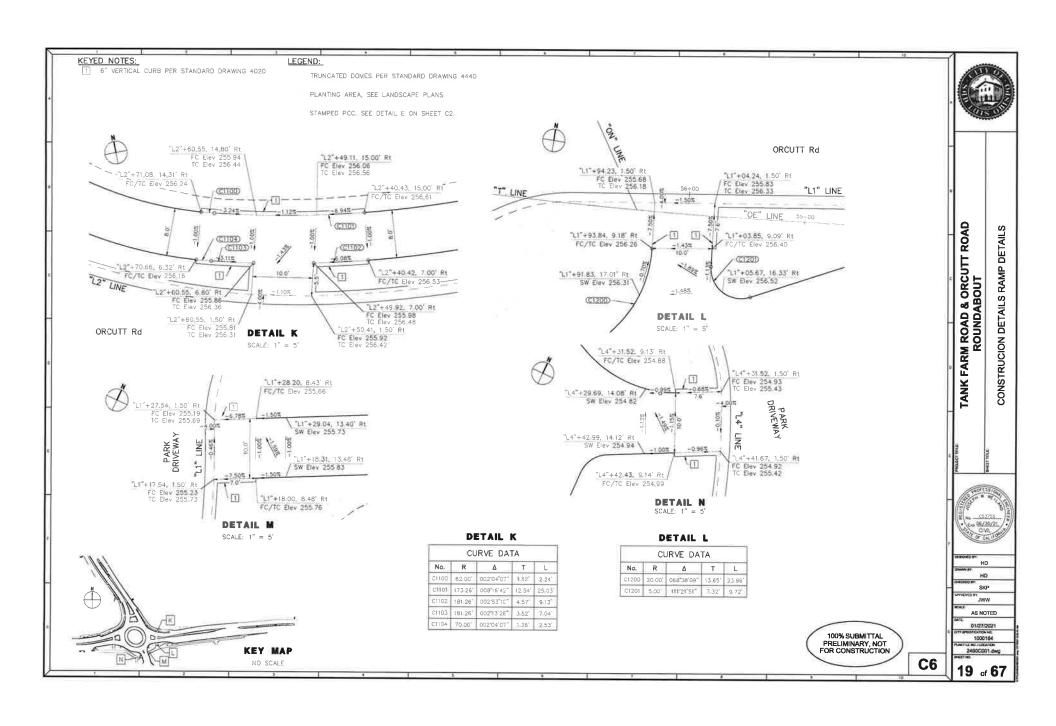


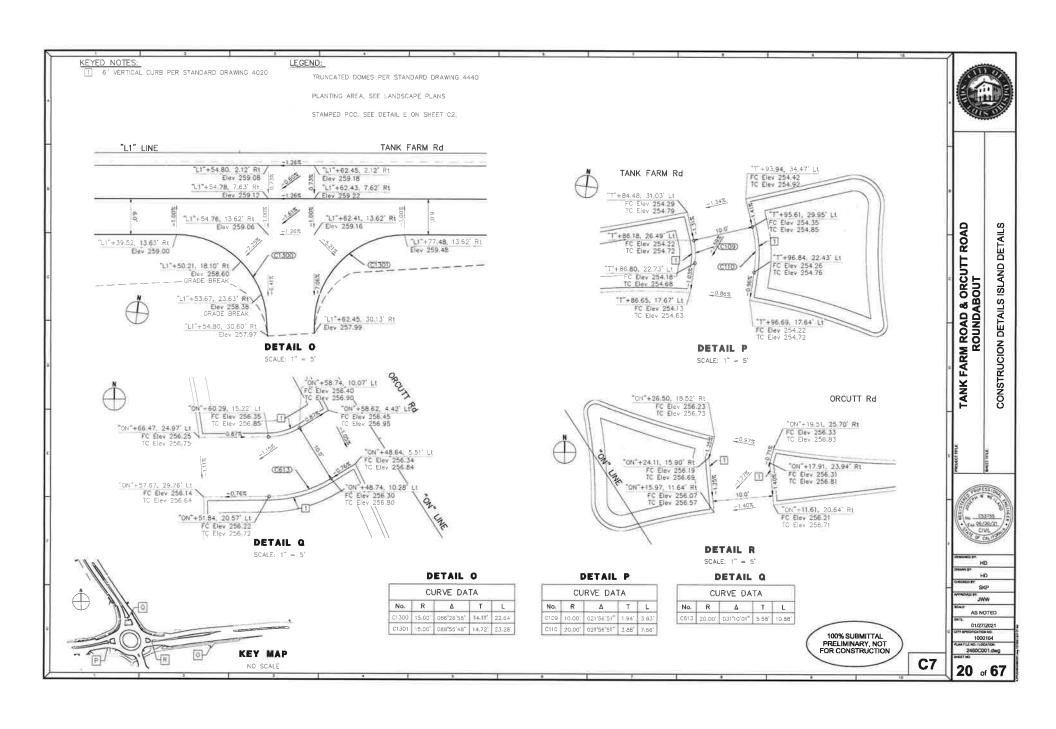


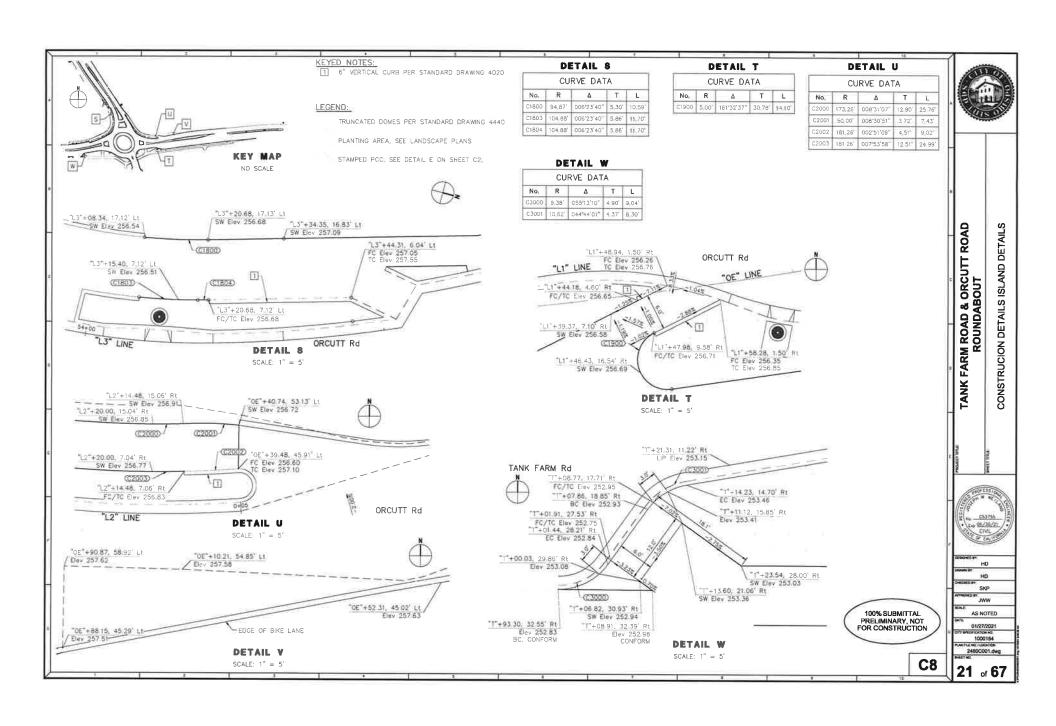


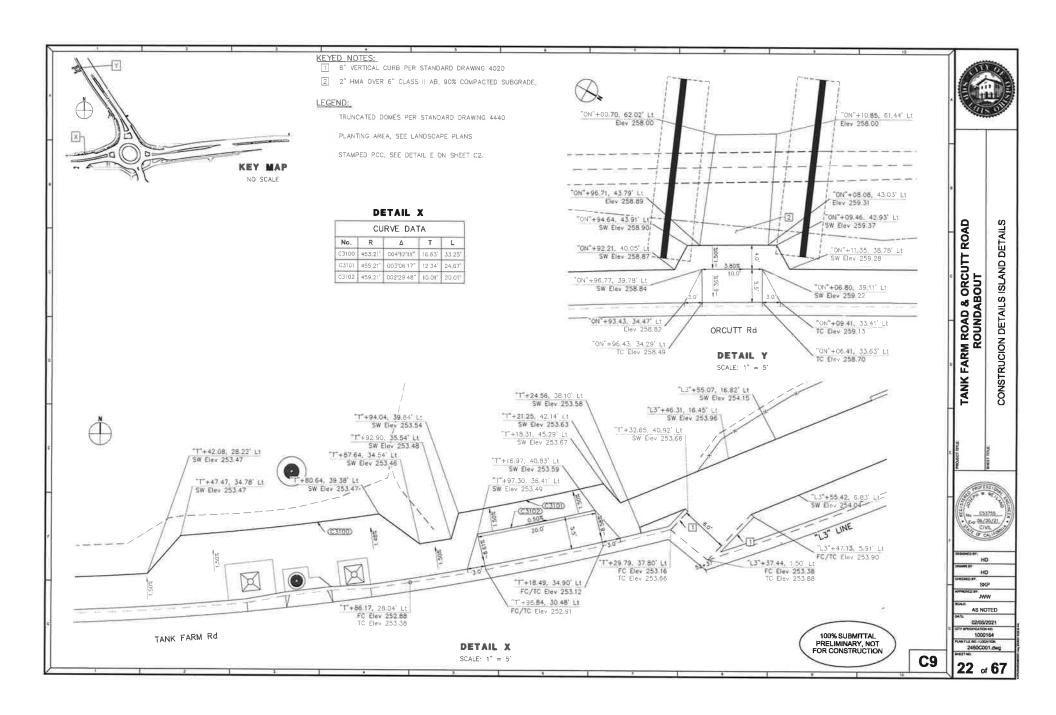


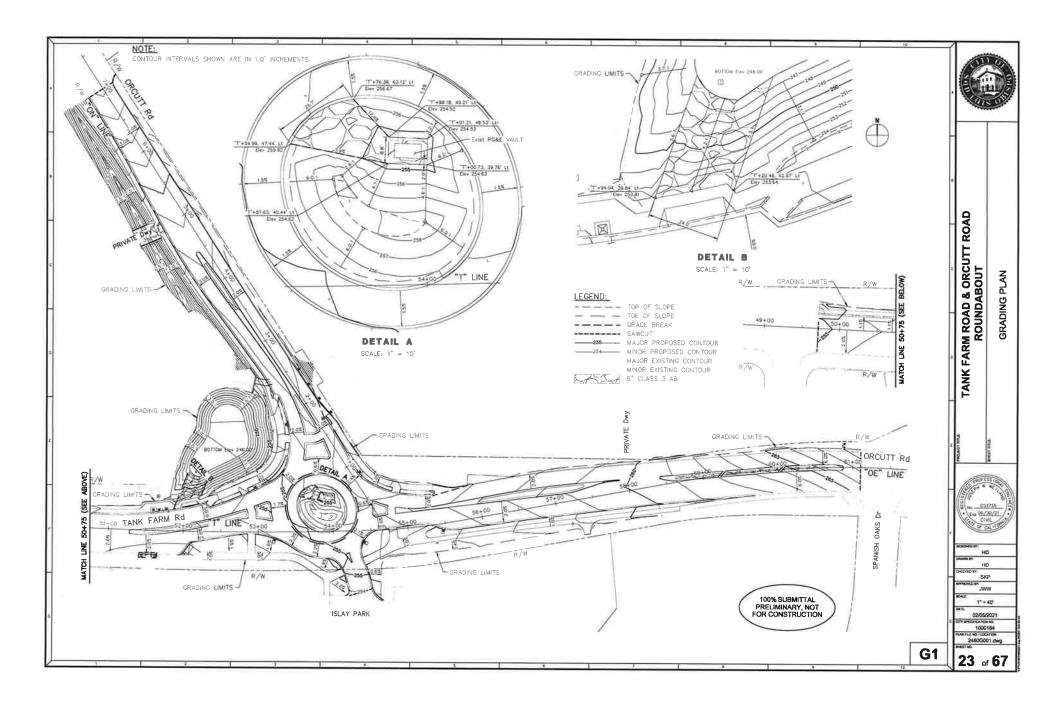


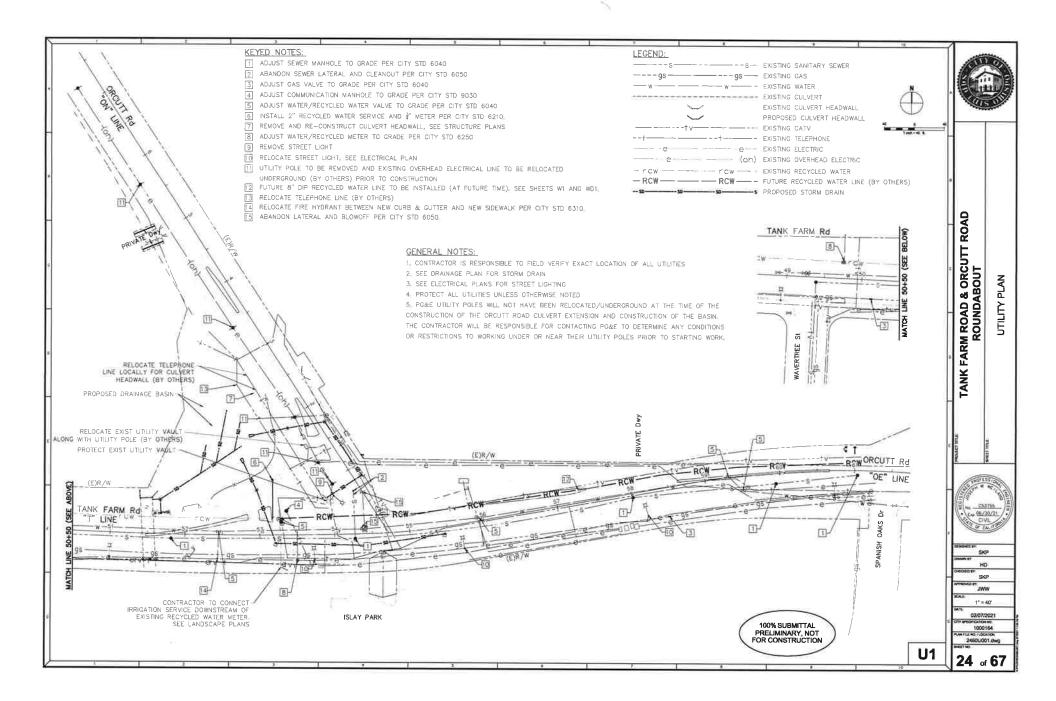


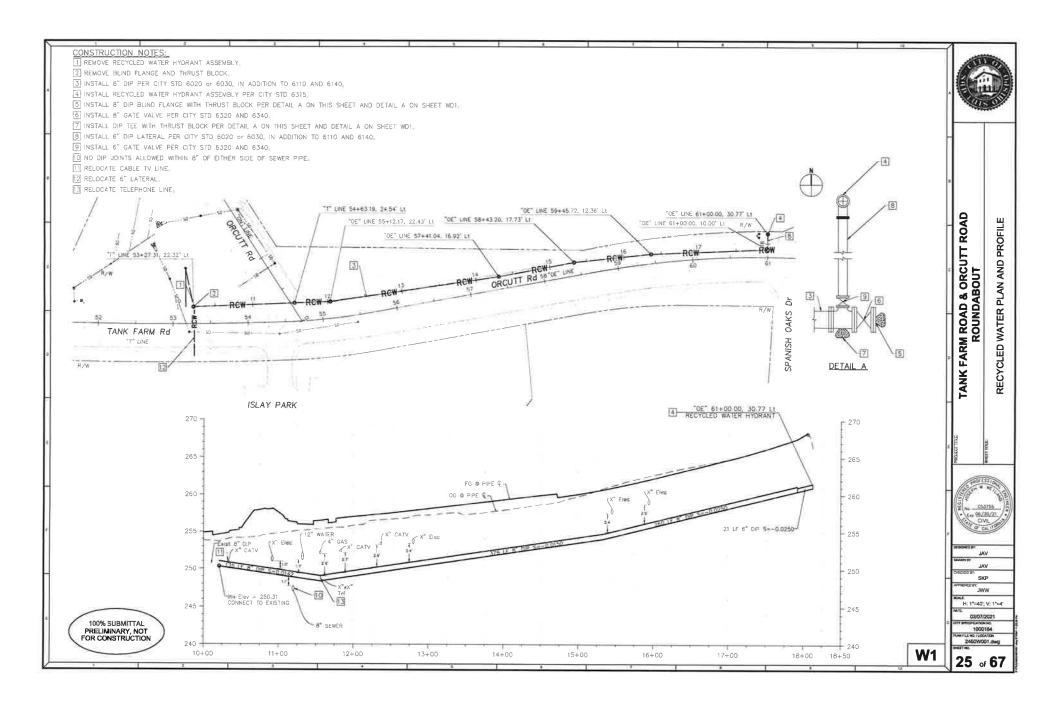


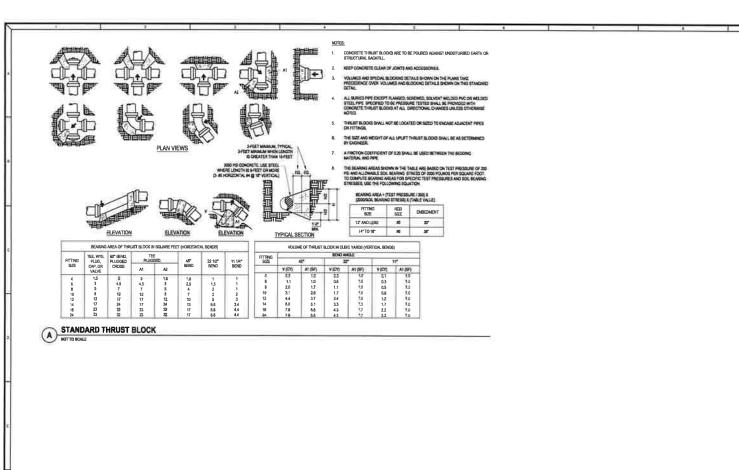












100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION

WD1

TANK FARM ROAD & ORCUTT ROAD ROUNDABOUT

RECYCLED WATER DETAILS

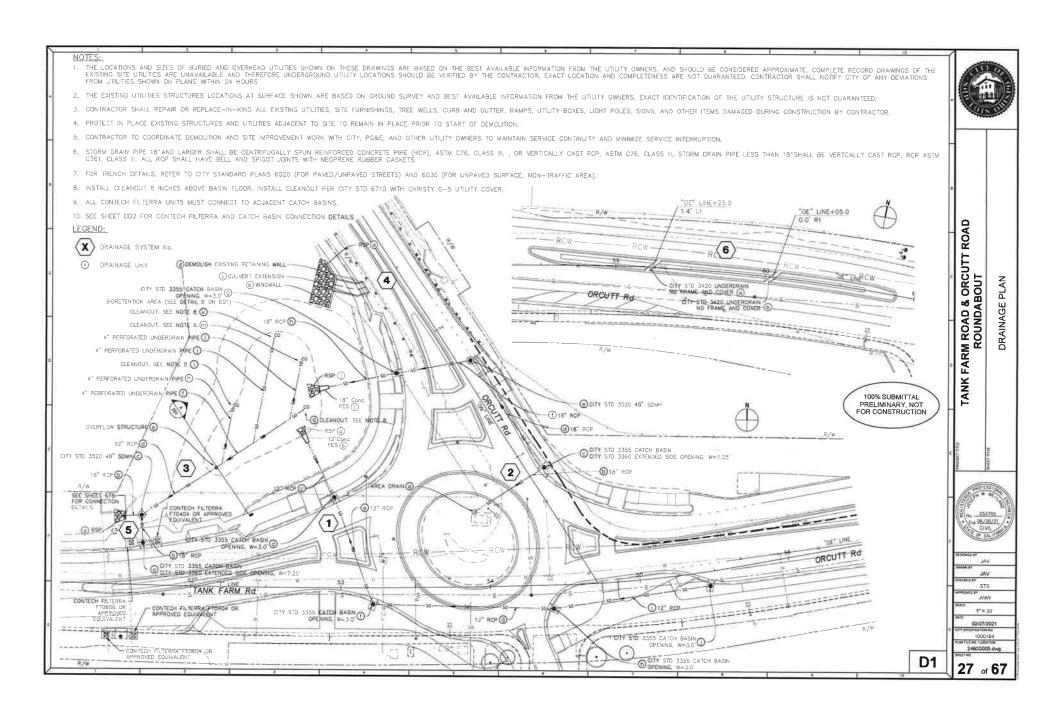
JAV CHOREST

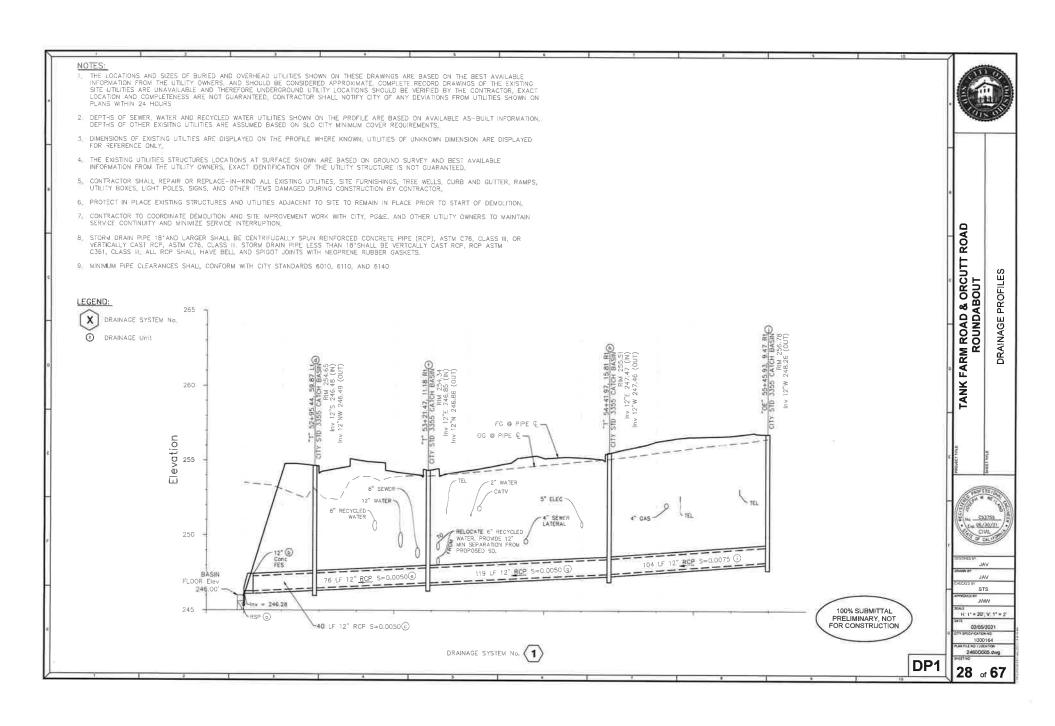
SKP APPROXED ST JWW H: 1*40; V: 1*44

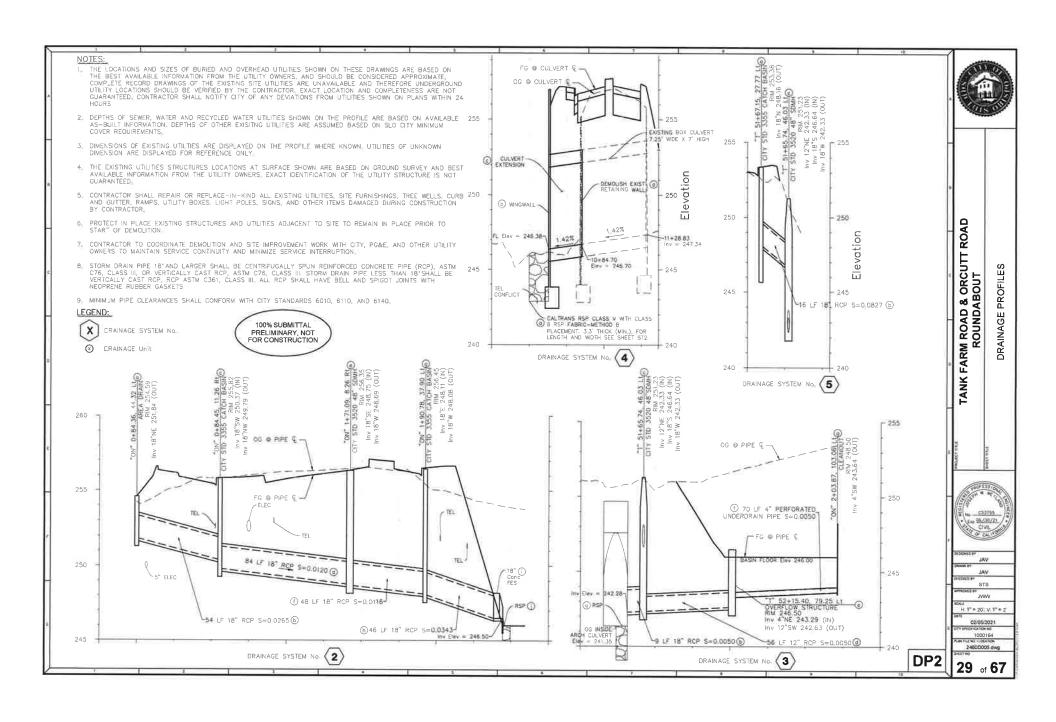
02/07/2021

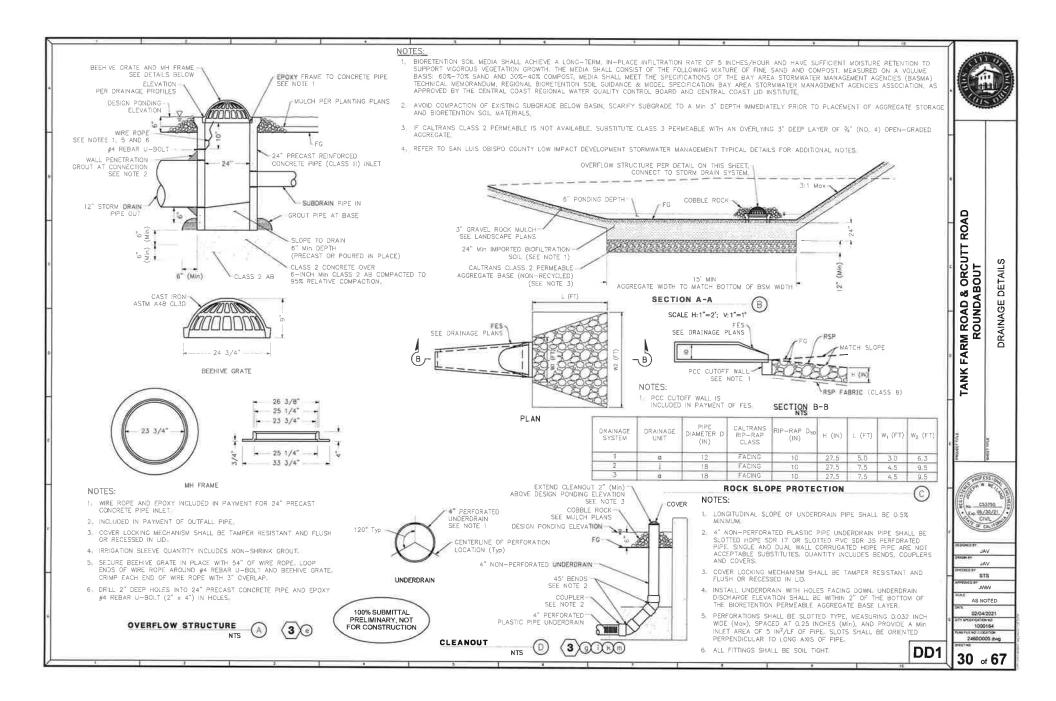
1000184 PLANTIE NE TECHTON 2460W001.dwg

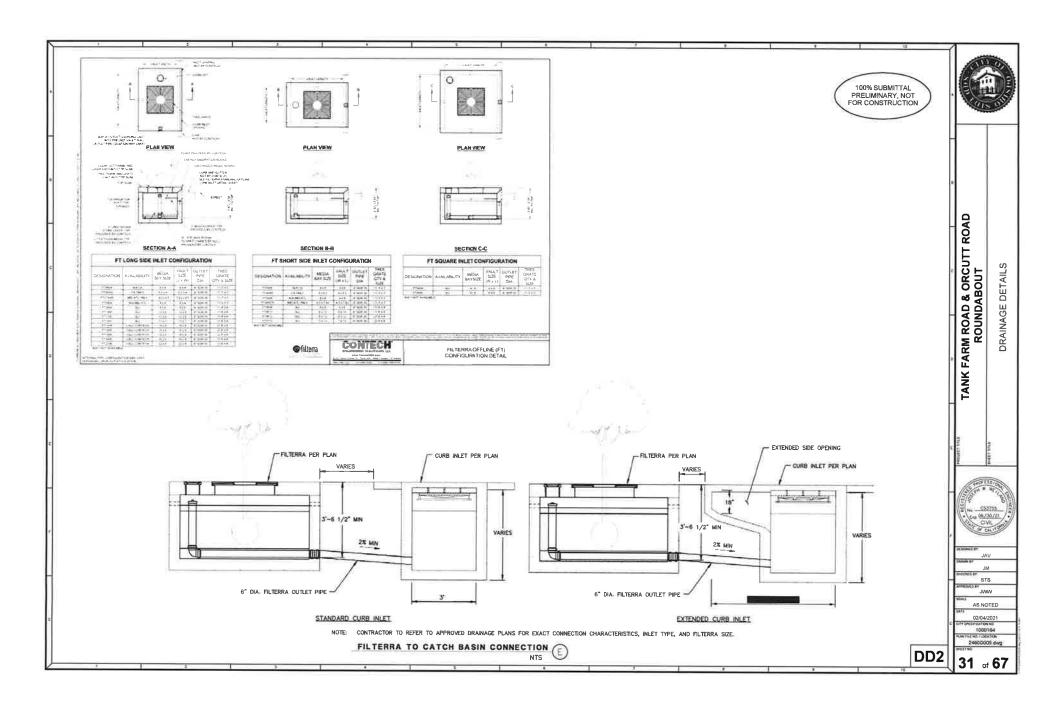
26 of 67

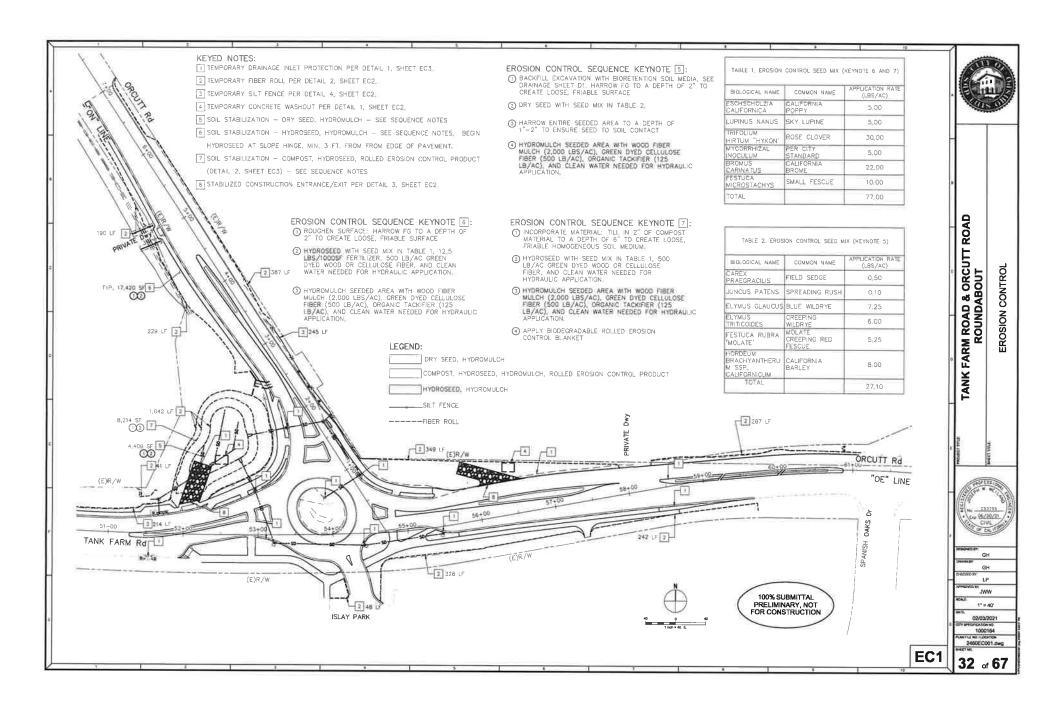


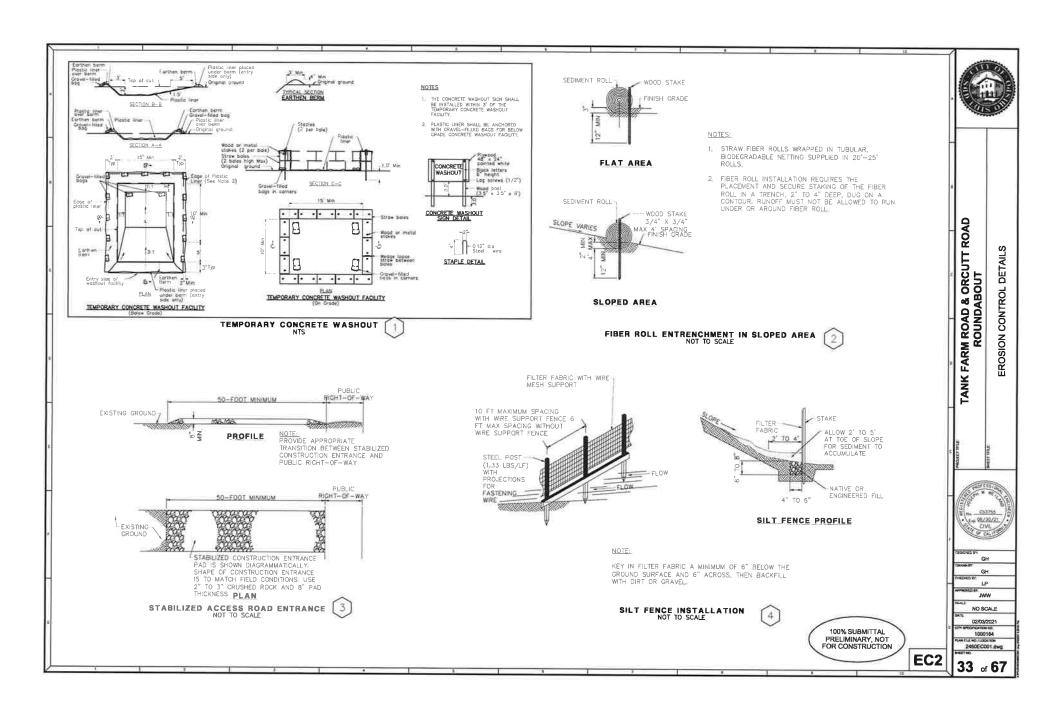


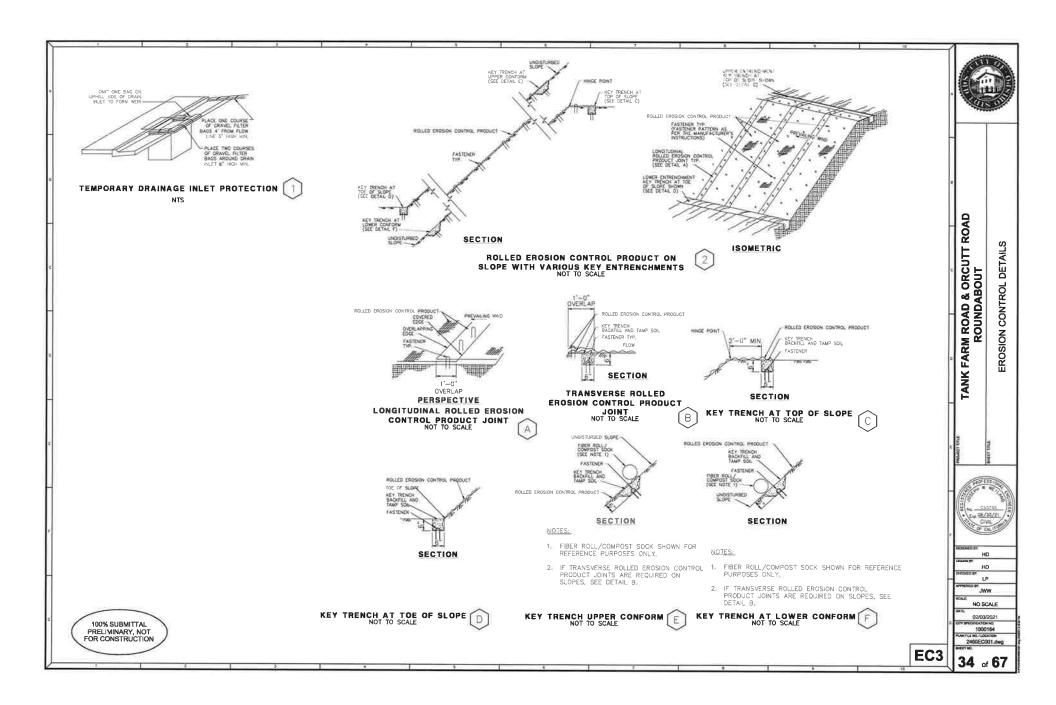


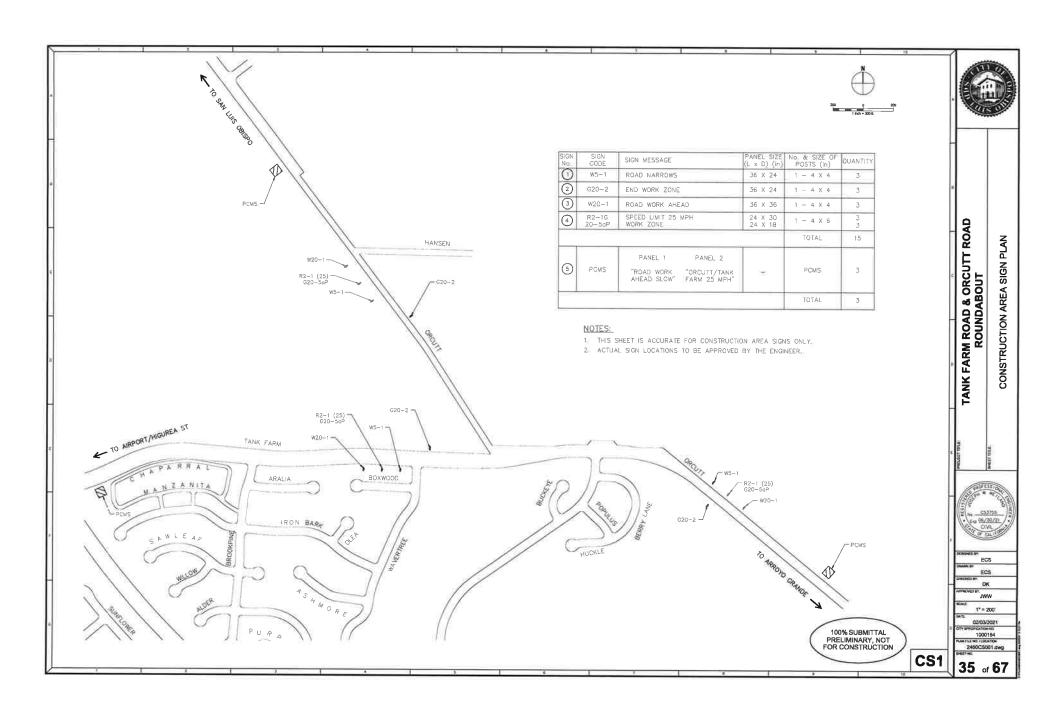


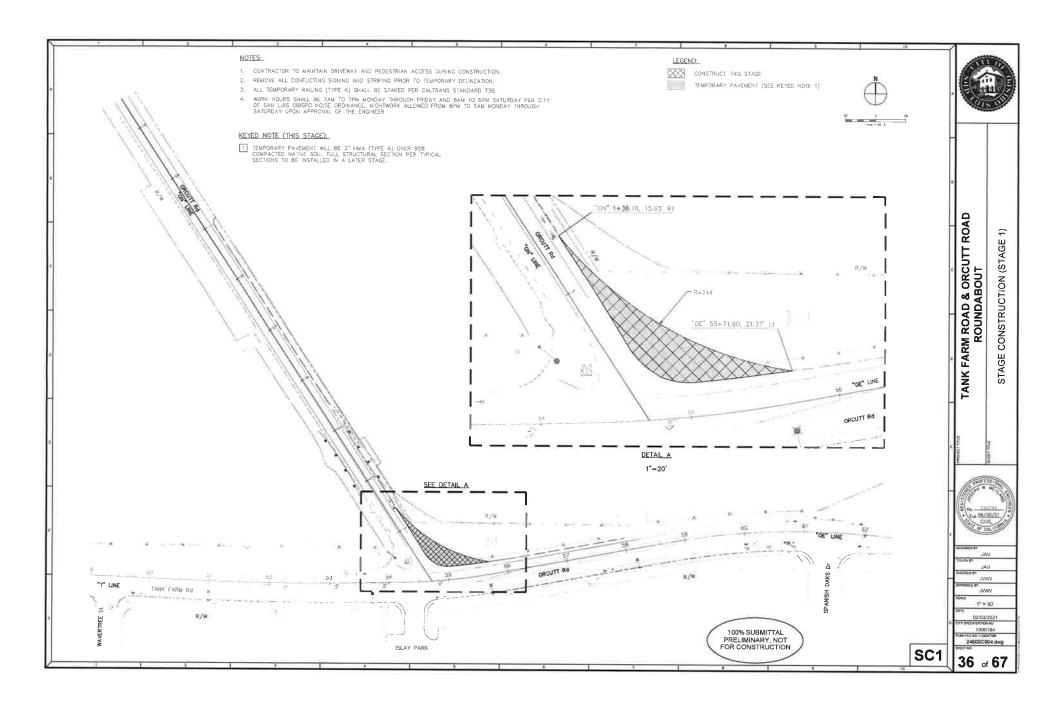


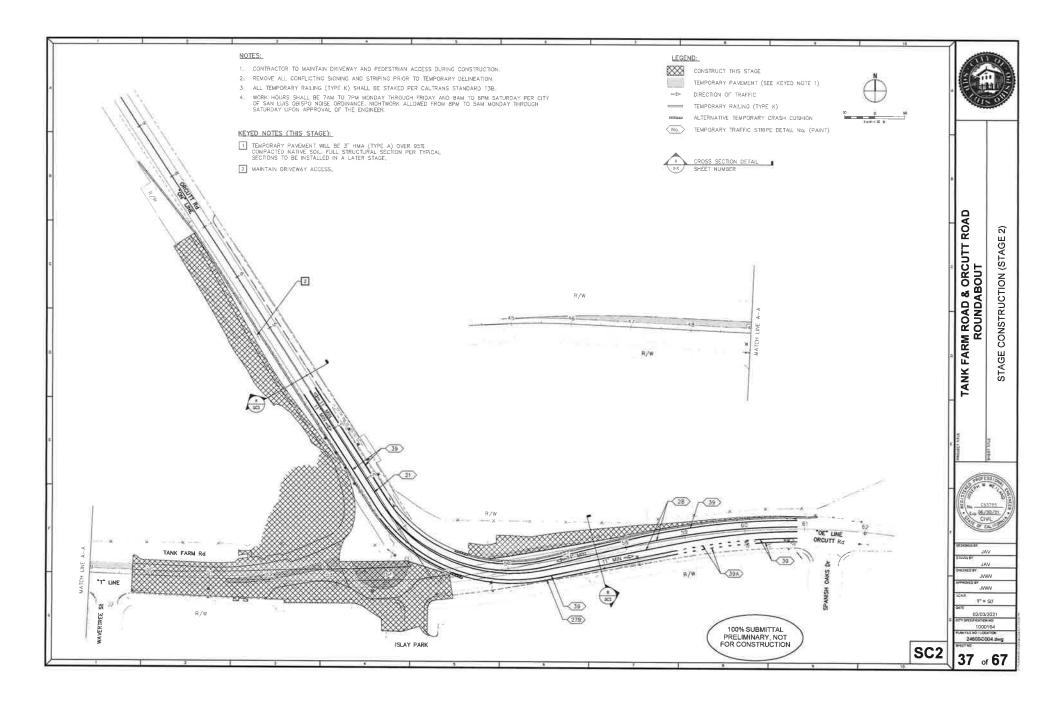


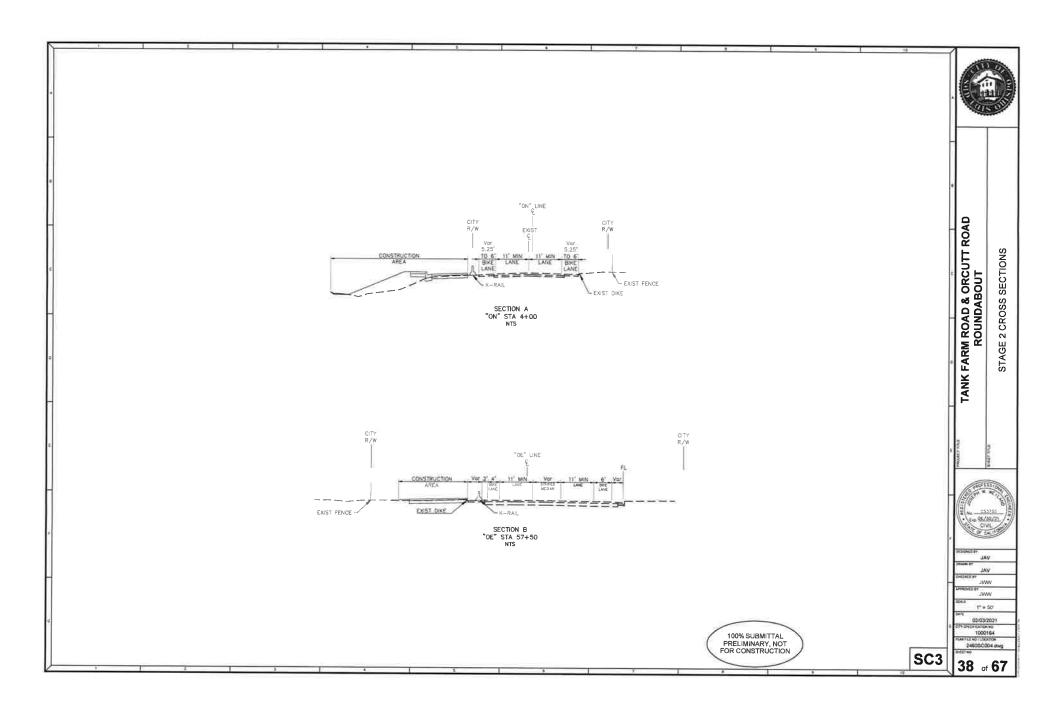


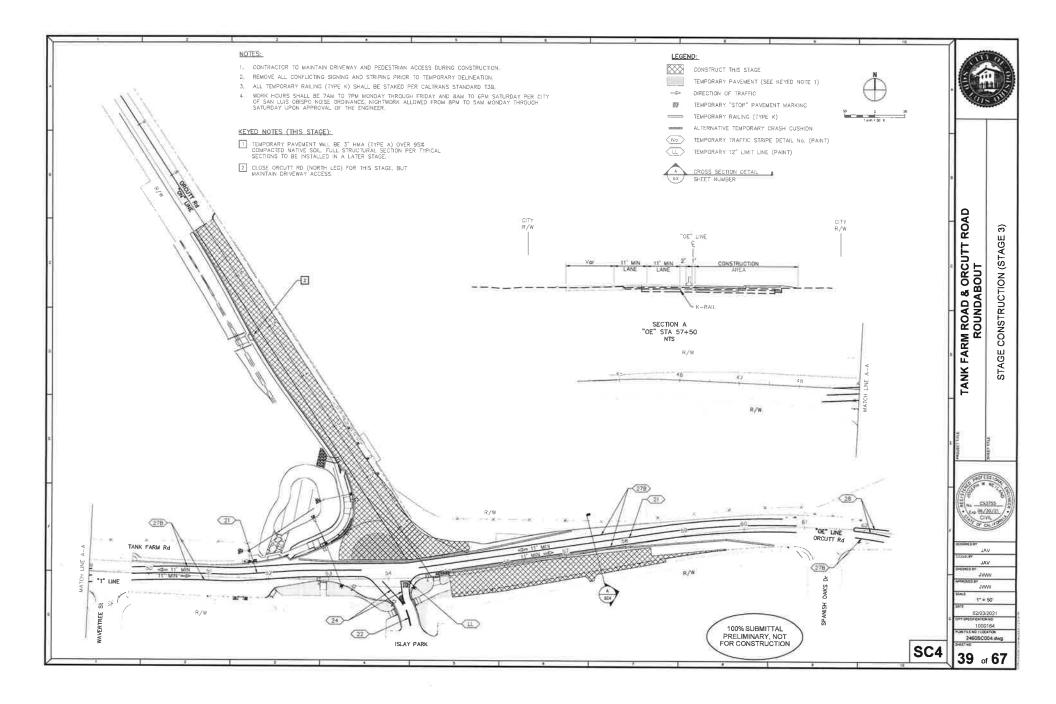


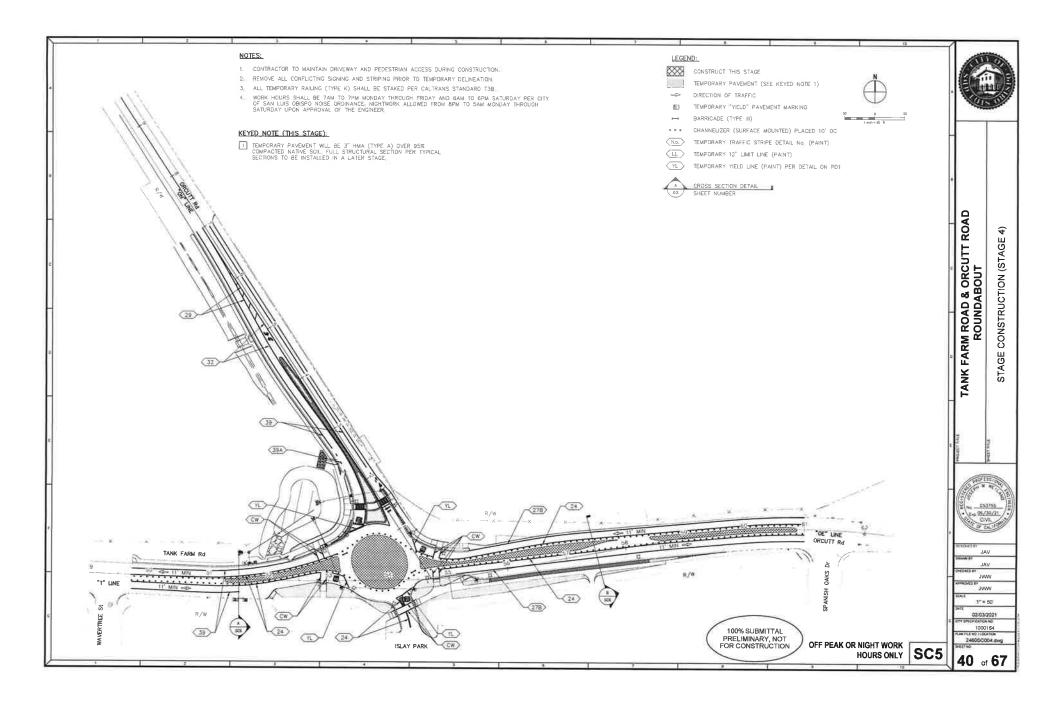


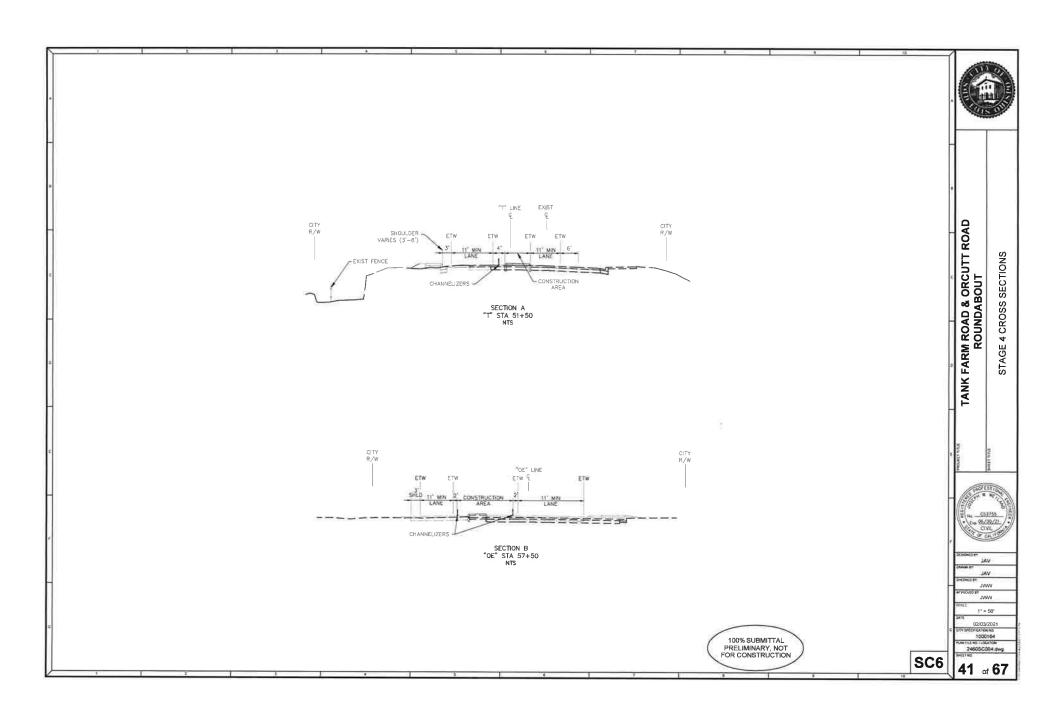


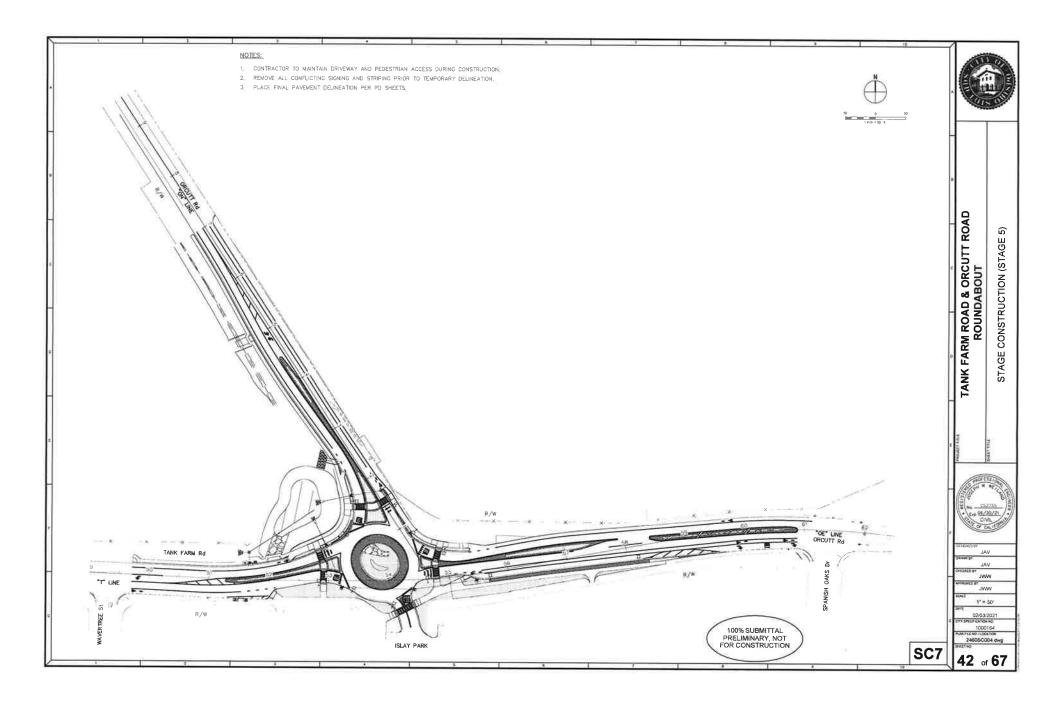


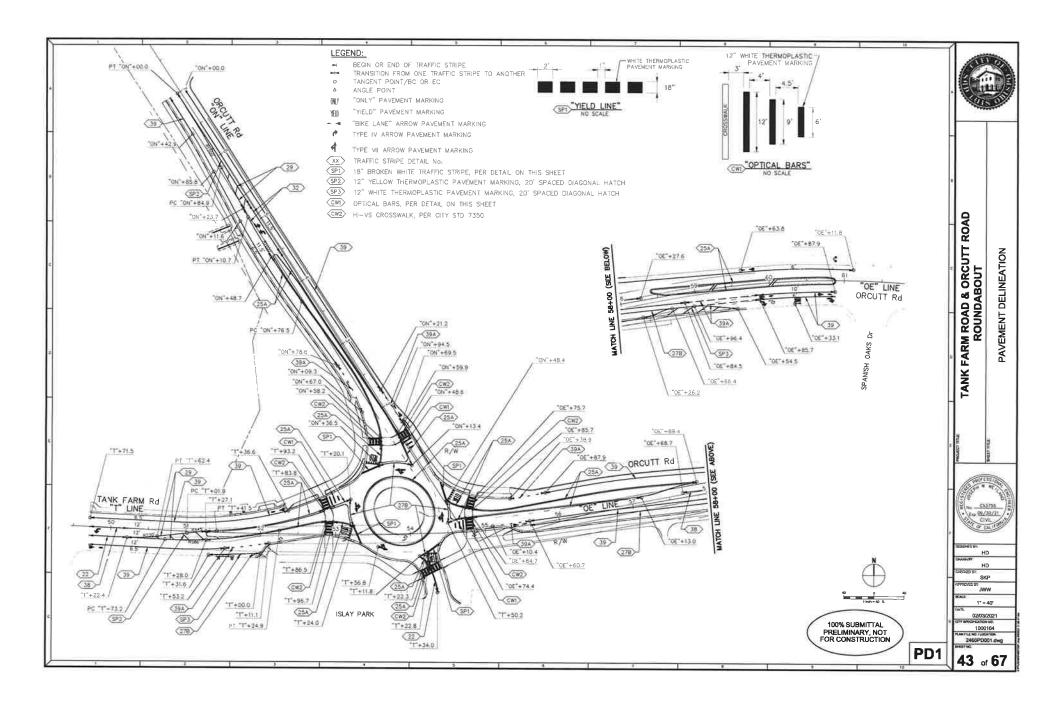


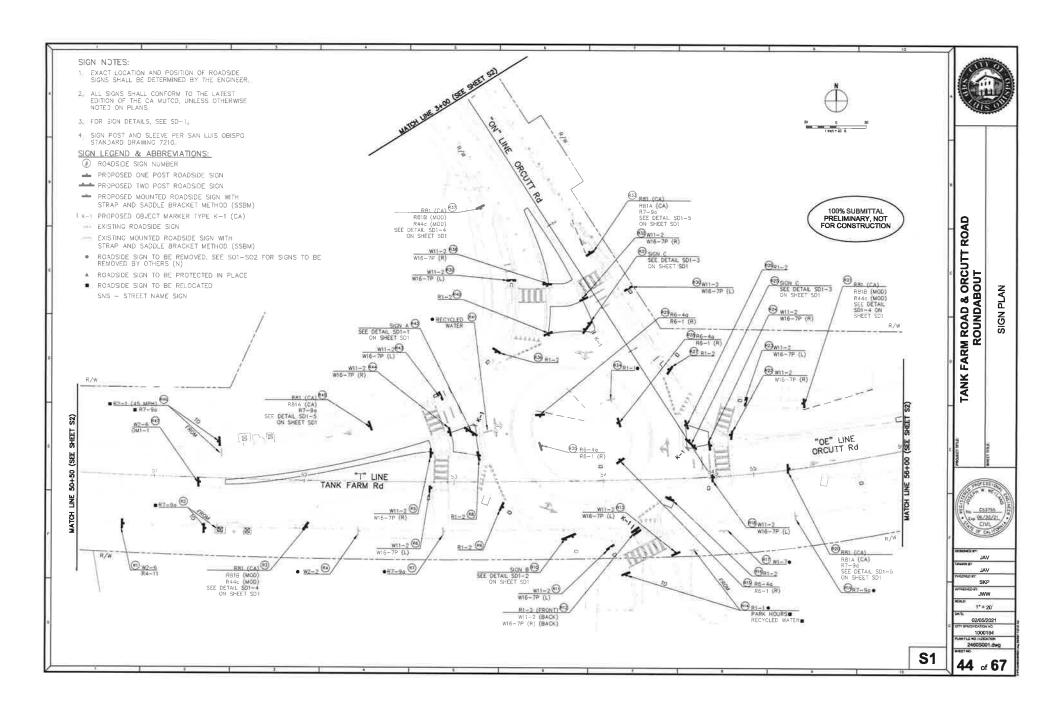


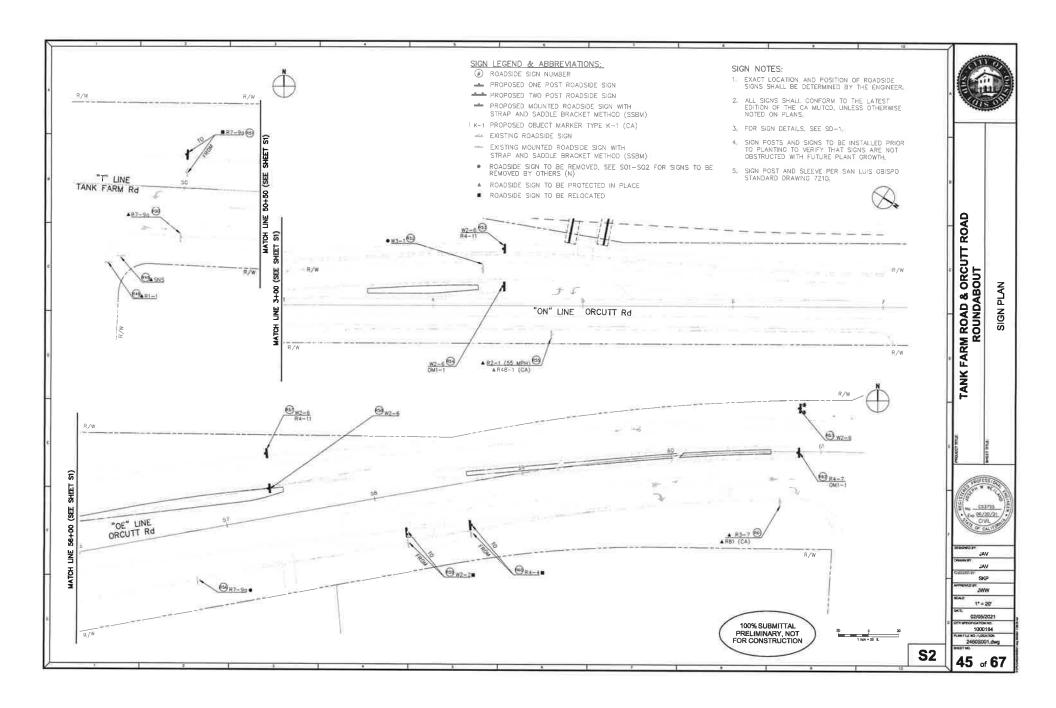












- 1. ALL SIGNS SHALL CONFORM TO THE LATEST EDITION OF THE CA MUTCO EXCEPT
- 2 SIGN PANEL DIMENSIONS ARE IN INCHES
- 3 FOR SIGN PLACEMENT SEE CITY OF SAN LUIS OBISPO STANDARD DRAWING 7210.
- 4. SPECIAL SIGNS SHOWN IN DETAIL SD1-1, SD1-2, AND SD1-3 WILL BE PROVIDED BY THE CONTRACTOR AND SHALL BE INSTALL WITH 2-2" 0.0, GALVANIZED METIAL PUNCH POSTS, PER CITY STANDARD 7210, WITH A MOUNTING HEIGHT OF 5" FOR ALL OTHER SIGNS, THE MOUNTING HEIGHT SHALL BE AS SHOWN IN THE SIGN JOUNTILES TABLES. ACTUAL LOCATIONS AND MOUNTING HEIGHTS TO BE DETERMINED IN THE FIELD AND APPROVED BY THE ENGINEER.

STANDARD SIGN LEGEND:









ENDS

RB1B (CA)















NOTE: ALL STANDARD SIGNS SHOWN ABOVE ARE NOT TO SCALE, FOR INFORMATION PURPOSES ONLY.



SIGN A
COLOR 3M-8871 BROWN BACKGROUND
REFLECTIVE WHITE LETTERS AND ARROW.
SEE CITY DETAIL 7250 FOR MORE INFORMATION.
NOT TO SCALE



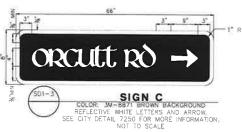
SIGN B

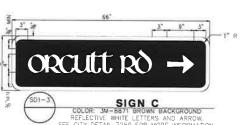
COLOR: 3M-5871 BROWN BACKGROUND

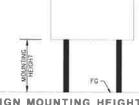
REFLECTIVE WHITE LETTERS AND ARROW.

SEE CITY DETAIL 7250 FOR MORE INFORMATION.

NOT TO SCALE





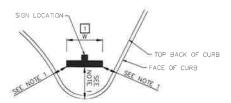


100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION

SIGN MOUNTING HEIGHT DETAIL NO SCALE

NOTE:

THE MOUNTING HEIGHT ("C" DIM) IS MEASURED FROM THE BOTTOM OF THE SIGN PANEL TO THE PROJECTED ELEVATION AT ADJACENT EDGE OF TRAVELED WAY WHEN THERE ARE MORE THAN ONE PANEL, IT'S MEASURED FROM THE BOTTOM OF THE BOTTOM PANEL



SIGN PLACEMENT AT ISLAND NOSE DETAIL

NO SCALE

1. FOR SIGN PLACEMENT AND INSTALLATION SEE CITY OF SAN LUIS OBISPO STANDARD DRAWING 7210, UNLESS RESTRICTIVE CONDITIONS HAVE BEEN IDENTIFIED OR AS DIRECTED BY THE ENGINEER.

1 SIGN PANEL WIDTH VARIES, SEE SIGN QUANTITIES TABLES FOR WIDTHS OF INDIVIDUAL PANELS

















SD1

FARM ROAD & ORCUTT ROUNDABOUT

TANK

SIGN DETAIL

CIVIL

JAV JAV SKP WWL

NO SCALE 02/03/2021 1000164

24805002.cws

		BION MERBAGE OR DESCRIPTION			PAGEL BIZE		BACKGROUND		LEGIEND		PROTECTIVE		FURGE		MGLE SHI IUM SIGN	uer	5	li i	- E	8	Ř	3	
HON NO.	SIGN CODE		OBJECT MARKER (OM1-1)	34		- C	SHEETING	TIVITY ASTI	BHEETING	TWITY AUTH	DARD	NO.	INFRAMED	INFRAMED	FRAMED	FRAMES	F BOX ONE PC	E BIGIN-TIMO PC	ROADSIDE SIGN	номраюс вк	NOVOSOE B	BIQM TO REM	REMARKS
•			EA	ı.	D	FT	COLOR	NETROPLECTIVI	COLOR	RETROFLECTIVI	BTANDARI	1	SQFT	0.080-1	SQFT.	0.080°+FRA	morosus &	MINOVOIE IA	INSTALL STALL	шим	MELOCATE (DA	EA (M)	
	W2-6	CIPCLEAR INTERSECTION WARNING		30			YELLOW	30	BLACK		+	×	8.25		W.FT			- EA	· KA	SA.	EA .	EA (N)	
RI	84-11	BICYCLES MAY USE FULL LANE		30	30		WHITE	OK.	BLACK			×	6.25	-			10	1 1					
8	H7-6a	NO PARKING BIKE LANE			-75																	1	PROTECT IN PLACE
	RIST (CA)	BHE LANE		12			WHITE	α	BLACK		\vdash	X	0,67										
3	RAIG (MOD)	ENOS		30			WHITE	OK DK	BLACK		-	×	0.26				- 52	1 1					SHE DETAIL SOLA ON SHEET SO
bi.	WG-2	BICYCLES MAY USE PATH SIDE ROAD	-	30	30	-	MHITE	- OX	BLACK		-	×	4.25	-	-		_	-		-	_	-	
-	W11-2	PEDESTRIAN DROSSING		30	30	-	YELLOW	×	BLACK		-	x	6.25	-	-		_	-				-	TO BE REMOVED BY OTHERS IN
15	W18-7P (R)	DIAGONAL DOWNWARD POINTING ARRIOW		24	12	1 4	YELLOW	XI	BLACK		-	×	2.00	-			10	1 1					
_		(RIGHT)	_		1.5	-			-			92											
8	W11-2	PEOKSTRIAN CROSSING DIAGONAL DOWNWARD POINTING ARROW		30	-		AETTOM	30	BLACK	_	-		8.25	-	_	_							
	W16-7P (L)	(LEFT)		24	12	1.7	ABTOM	XI	BLACK			×	2.00				87	1 1					
Ü	RJ-lin	NO PARKING BIXE LANE.							1											t			TO BE REMOVED BY OTHERS (N
	R1-2	YIELD			×		RED	ж.	WHITE			×	9.00				1						
3	A1-2	YELD		36			RED	30	WHETE			×	500				1						
9	SIGN 8	ISLAY HILL PARK	-	78			BROWN		WHITE	O.		×			4.33			1					SEE DETAIL SOIN ON SHEET SO
0	W11-2	PECESTRIAN CROSSING DIAGONAL DOWNWARD POINTING ARROW	-	30	30	4	VELLOW	30	BLACK		-	X	625			-			1				
	W16-7P (L)	(LEFT)		34	12	1 5	AETOM	30	BLACK			×	2.00										
	W512	PEDESTRAN CROSSING (SACK)		30	30		YELLOW	30	BUCK			X.	625										
12	W18-7P (R)	DIAGONAL DOWNWARD POINTING ARROW		24	12		YELLOW	XI	BLACK			x	2.00				e						
- 1	ALZ	(RIGHT) (BACK) YELD (FRONT)	_	36	36	1	RED	×	WHITE		-	×	600	_	_	-							
7	W11-2	PECESTRIAN CROSSING		30	30	-	YELLOW	ж	BLACK		_	×	6.25	_			_	-		_	_	-	
3	W16-7P (L)	DIAGONAL DOWNWARD POINTING ARROW		24	12	4	YELLOW	-	777		-		-	_		_							
_		(LEFT)		24	12	_	AFITOM	XI	BLACK			×	200				- 00						
	R1-1	ETOP			_	4			_		_		_	_	_					1			TO BE REMOVED BY OTHERS (N
4	SPECIAL SPECIAL	PANK HOURS			-	4	_		-		-				_						1		RELOCATE SIGN
-	RS-4a	RECYCLED WATER ROUMDASOUT DIRECTIONAL (3 CHEVRONS)		48		-	100-ETE	ox.	BLACK		-	×	-	8.00	_	_		_			- 10	-	
15	RS-1 (R)	ONE WAY (RIGHT)		30			BACK	XI	WHITE		_	X	3.00	8.00	-	-	- 1						
16	81/2	MED		36			AND	30	WHITE		_	×	9.00				1	-		_	_		
SF.	W1-T	TWO-DIRECTIONAL LARGE ARROW		-		_			111111111111111111111111111111111111111		-		1							-		_	TO BE REMOVED BY OTHERS (N
╗	W11-2	PEDESTRIAN CROSSING		20	30		YELLOW	×	BLACK			×	6.25										
18	W16-7P (L)	DIAGONAL DOWNWARD POINTING ARROW (LEFT)		34	u	•	AETOM	XI	BLACK			×	2.00				M/r						
-	RE1 (CA)	NO PARKING BIKE LANE BIKE LANE	_	12			THE OWNER OF THE OWNER OWN	-	- De salve		-	-	-		-	_				1			TO BE REMOVED BY OTHERS (NO
20	RESA (CA)	HEGIN		12			WHETE	IX IX	BLACK	_	-	×	0.67	-		_	40	1 1					
-	R7 du	NO PARKING BIKE LANE		12			WHETE	×	BLACK		_	x	1.00				- 10						SEE DETAILS SID1-5 ON SHEET SI
┪	RB1 (CA)	BIRE LINE		12		-	WHETE	ix	IKACK		-	×	0.67				_			_		-	
1	Attis (MOO)	ENDS			1		WHETE	ix.	BLACK		-	ж.	0.26										SEE DETAILS SID1-4 ON SHEET S
_[RAN (MOCI)	SICYCLES MAY USE PATH		30			WHITE	(X	BLACK			×	\$25				117						- PENES CONTRACTOR
	W11-2	PEDESTRIAN CROSSING		30	30	- 00	YELLOW	×	BLACK			x	1.25										
2	W18-7P (R)	DIAGONAL DOWNWARD POINTING ARROW (RIGHT)		34	12	*	YELLOW	30	BLACK			x	2.00				- 11						
7	W11-2	PEDESTRIAN CROSSING		30	30		YELLOW	20	BLACK		+	×	8.25				_	_	_	+		-	
23	W16-7P (L)	DIAGONAL DOWNWARD POINTING ARROW		34	ti	4	-	-	111111111111111111111111111111111111111		_	100	-						1				
4		(LEFT)				-	AETTOM	ж	BLACK		_	×	200						::11				
24	Wisa	PEDESTRIAN CROSSING DIAGONAL DOWNWARD POINTING ARROW		30	30	220	AETTOM	30	BLACK		-	×	6.25				14						
	W18-7P (R)	(FOGHT)		24	12	1.0	YELLOW	30	BLACK		1	x	2 00										
5	BONC	DROUTT ROAD		96		6	BHOWN		WHITE	200		×			2.67			i i					SEE DETAIL SOLO ON SHEET SO
	81-2	YELD			×		RED	30	WHEE			×	9.00				- 1						
r.	R1-2	YHLD		×	34	7.	MED	30	WHITE			X	9.00				-1						
8	RO-Fa	ROUNDABOUT DIRECTIONAL (2 CHEVRONS)		4			WHETE	30.	BLACK			×		8.00			4						
4	R6-1 (R)	ONE WAY (RIGHT)			u	-	BEACK	30	WHETE			×	2.00				- %						
9	RS-1 (R)	ROUNDABOUT DIRECTIONAL (2 CHEVRONE) ONE WAY (RIGHT)		30			WHITE BLACK	æ	BLACK		-	×		8.00			4						
+	W11-2	PEDESTRIAN CROSSING	_	30			YELLOW	X) XI	BLACK	_	-	×	2.00 6.25				- 11	-				_	
30	W16-7P (L)	DIAGONAL DOWNWARD POINTING ARROW			_	4	-		777777				-			_			1				
_		(LEFT)		24	12		YELLOW	х	BLACK			×	2 00										
21.	SIGNIC	OHCUTT ROAD		06			BHOWN		WHETE	ox		х			3.67								SEE DETAIL SOILS ON SHEET SO
	50	STOTAL THIS SHEET											174.27	24	11.87		10				3)	-1	

TANK FARM ROAD & ORCUTT ROAD ROUNDABOUT

SIGN QUANTITIES

No. CS3755 Esp 06/30/21 CTVIL

JAV SKP

NO SCALE

GATE 02/03/2021
GITS SPECIFICATION NO. 1000164
MANYILE NO. 1000164
MANYILE NO. 1000169
24605002 ONG
SHIET NO.

SQ1 47 of 67

100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION

							BACKGROUND		LEGIDID		PROT	ERLAY	FU		INGLE SH		5	1 to 1	a E		8	4	
GM NO.	SIGN COOK	SION MESSAGE ON DESCRIPTION	OBJECT MARKER (OM1-1)		MEL CZE	-C- DIM	SHEETING COLOR	TYPE	SHEETING COLOR	TYPE	STANDARD	PREHIUM	IO-UNITAMED	MO-UNFRAMED	DET-FRAMED	OBC-FRAMED	DEIDE BICH OKE POS	DBIDE BKON-TWO PO	HISTALL POADEDE BIGW STRAP & BADGIE BRACHGT	OVERCADE CE SA	COCATE ROADGIDE BY (ONE POST)	TING BLOW TO REMA	NEMARKS
					L	L		E		OE .	-		-	3	Ľ	Ľ	ğ	ğ		2	2	E	
-	W11-2	PLOKSTRIAN CROSSING	EA	30	-		1	-	12.00	-	-	-	SOFT	SOFT	SQFT	SOFT	EA	EA	EA	EA	EA	EA (N)	
232		DIAGONAL DOWNWARD POINTING ARROW	_	+	30	140	AETTOM	N.	BLACK	_	-	X	6.25		-	-	- 1						
	W16-7P (R)	(RIGHT)		24	12	1	YELLOW	- 10	BLACK			×	3.00				1				1		
	RE1 (CA)	ENE LANE		12			WHITE	ox.	BACK			x	0.67								1	_	
G3	RETA (CA)	BEGIN		12			WHITE	DC:	BLACK			X	0.42				19	1 1				1	SEE DETAILS SO I-S ON SHEET SE
_	H7-6a	NO PAUKING SIKE LAKE		12	18	1_	WHETE	Ot	BACK			×	1.50										Mark Waller Commercial
134	Rist	stor	_	-	-	-			110000		-		_							1.			TO BE REMOVED BY OTHERS (N
35	RS-1a RS-1 (R)	HOUNDABOUT DIRECTIONAL (3 CHEVRONE) ONE WAY (RIGHT)	_	44			WHITE	- OX	BLACK		-	×		8.00		_	- 1						
36	RIA	YELD YELD	_	36			BLACK	x	WHITE		-	x	3,50	-	-	-						-	
-	Hat (CA)	BRE LANE	_	12	-	1	WHITE	- a	BLACK	_	-	x	9.00		-	_	- 1	_				-	
37	Hate (MOC)	ENOS	_	10	5	1 4	WHITE	ox .	BLACK		-	X	0.26		-	-	1.0						
	REALDICO)	BICYCLES WAY USE FATH		20		1	WHITE	OK.	BLACK		-	×	6.25		1	+	100						SEE DETALS SO1-4 ON SHEET BE
7	W11-2	PEDESTRUM CROSSING		30	30		YELLOW	XI	BLACK			×	6.25		_					_		_	
38	W18-7P (R)	DIAGONAL DOWNWARD POINTING AFREM		24	12	1 4	YELLOW	20	BLACK			×	2.00										
-		(RIGHT)	-	-	_	-	_				-	-	_		-	_							
39	W11-2	PEDESTRIAN CROSSING DIAGONAL DOWNWARD POINTING ARROW	-	30	_	1 4	YELLOW	N N	BLACK		-	X	6.25	_	-	-			990				
	W16-7P (L)	(LEFT)		24	12	1	YELLOW	20	BLACK			×	2 00						13.5				
40	R14	YNELD		36	34	1	ALD	30	WHITE			×	9.00				- 19						
61	SPECIAL.	NECYCLEO WATER																		1		_	TO BE REMOVED BY OTHERS O
12	SIGNA	TANK FARM ROAD		79		3	BACWN		WHETE	DX .		×			4.33			391					SEE DETAIL SOI-1 ON SHEET SO
	W11-2	PEDESTRIAN CROSSING		30	30	1 -	YELLOW	X	BLACK			×	6.25						COL				
3	W16-7P (L)	DIAGONAL DOWNWARD POINTING ARROW (LEFT)		34	12	4	YELLOW	XI	BLACK			x	2 00										
u	W11-2	PEDESTRAN CHOSSING		30	30	1.	YELLOW	X	BLACK		-	X	6.25				100						
"	W16-7P (R)	DIAGONAL DOWNWARD POINTING ARROW (RIGHT)		24	12		YELLOW	XI	BLACK			x	2 00				11.						
-	RR1 (CA)	BIG LANE	_	12			WHITE	.04	BLACK			×	0.67		_		_			_		_	
45	MBIA (CA)	BEGIN		12	6	1.	WHITE	OX.	BLACK			×	0.42				3						SEE DETAILS SO 1-4 ON SHEET BE
	RT-du	NO PARKING BIKE LANE		12	12		WHITE	O.	BLACK			×	1.50				1						The second secon
46	R2-1	SPEED LIMIT (46 MPH)																		_	10		
-	R7-9a	NO PARKING BIKE LANE			_							1											RELOCATE SIGN
17	W2-6	GROLLAN INTERSECTION WARNING	_	30	30	4	YELLOW	X	BLACK			×	6.25										
	OMI-1	CRUECT MARKER	,	-		-					-	-											
46	R1-1	arrop	-	-	-	-	_		_		-	-	_	_	-							1	PROTECT IN PLACE
16	107-da	STREET NAME SIGN NO PARKING SIKE LANE	_	-	-	-			-		-	-	-		-	_						1	PROTECT IN PLACE
51	R7-da	NO PARKING BIRE LANE	-	-	-	-	-	_			-	-	-			-	-	-				1	PROTECT IN PLACE
12	W3-1	STOP AMEAD				1	1					-				-				-	1.		RELOCATE SIGN
_	W2-6	CIRCULAN INTERSECTION WARRING	_	30	30		YELLOW	.00	BACK		-	×	625			-	-	+		- 1		-	TO BE REMOVED BY OTHERS IN
23	84-11	BICYCLES MAY USE FULL UANS		30		1	WOSTE	DK.	BLACK			×	5.25										
	W2-6	CIRCULAR INTERSECTION WARNING		30		1	YELLOW	30	BLACK			x	8.25							_		_	
54	OM1-1	OBJECT MARKER	1		1	4			0.000				-				- 24						
55	RD-1	SPEED LIMIT (56 MPH)																					
	R48-1	RADAN INFORCED																					PROTECT IN PLACE
56	R7-ba	NO PARIONG BINE LANE		-																1			TO ME REMOVED BY OTHERS ON
57	W2-6	ORDILAR INTERSECTION WARNING		30			AETTOM	20	BLACK			x	6.25				- 7						The second secon
-	R6-11	BICYCLES MAY USE FULL LANE		50	30		WHITE	οx	BLACK			X	6.25				. 65						
180	W2-4	DROLLAR INTERSECTION WARNING	_	32	30	4	AETTOM	30	BLACK		1	×	6.26				:1						
8	W2-2	SIDE ROAD																	3				RELOCATE SIGN AND INSTALL B' STRAP AND SADLE BRACKET METHOD
100	R4-4	BEGIN RIGHT TURN LANE, YELD TO BRES																			- 1		RELOCATE SIGN
51	89-7	RIGHT LAWE MUST TURN RIGHT																					
-	HIIT (CA)	BIGELANE				1_		- 77	-													25	PROTECT IN PLACE
E	R4-7	KITEP RIGHT (STABOL)		24	30		WHITE	(K	BLACK			X	3.00				1						
_	OWIN	OBJECT MARKER	- 1	-	-	1.3			10000								11.5						
83	W24	CIRCULAR INTERSECTION WARNING	3	30	30	4	AETTOM	30	BLACK	_	-	×	6.25			-							INSTALL ON FLASHING BEACON
_		TOTAL	3	-		-					-	-	121.36		4.333		14	1			3		
_				1									298.33	22	18		30	4			- 4	1	1

TANK FARM ROAD & ORCUTT ROAD ROUD ROUNDABOUT

SIGN QUANTITIES

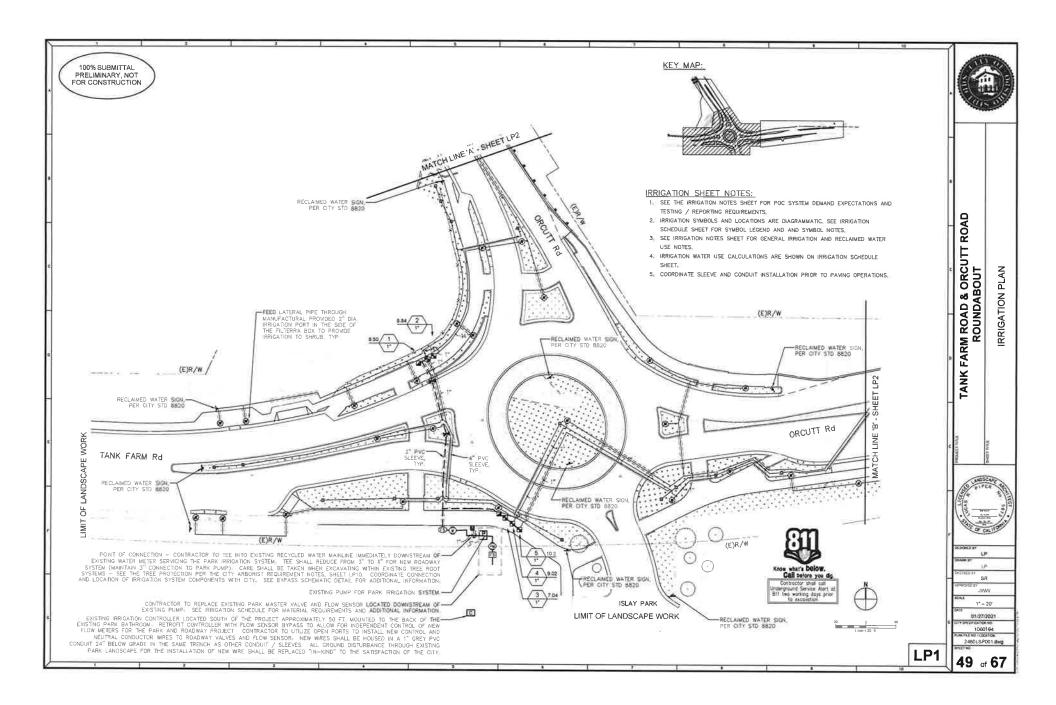
C53755 Cap 05/30/21 CIVE

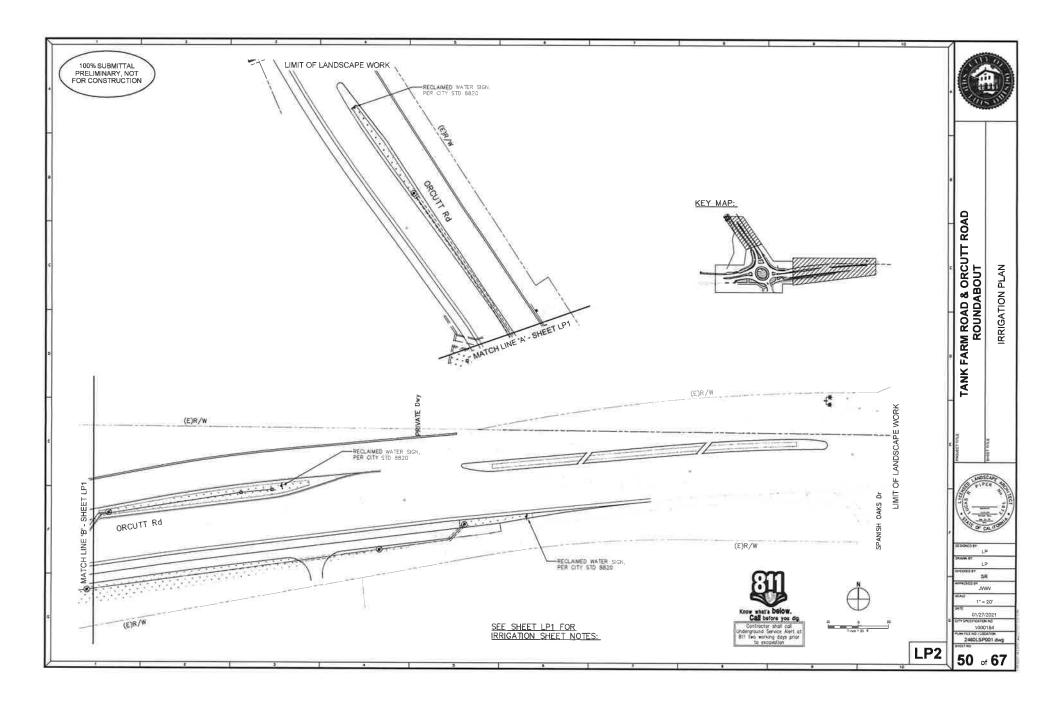
JAV SPK NAME # NO SCALE

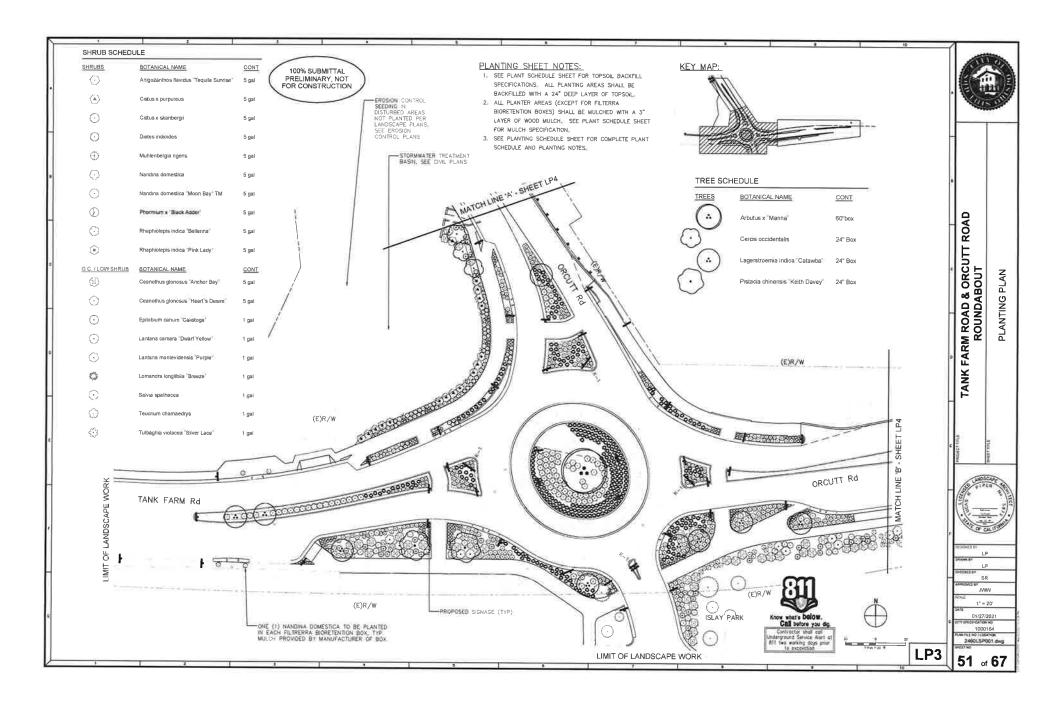
02/03/2021 COT SPECIALISM NO. 1000164 FLANTIL NO. 1000109 24505002.dwg

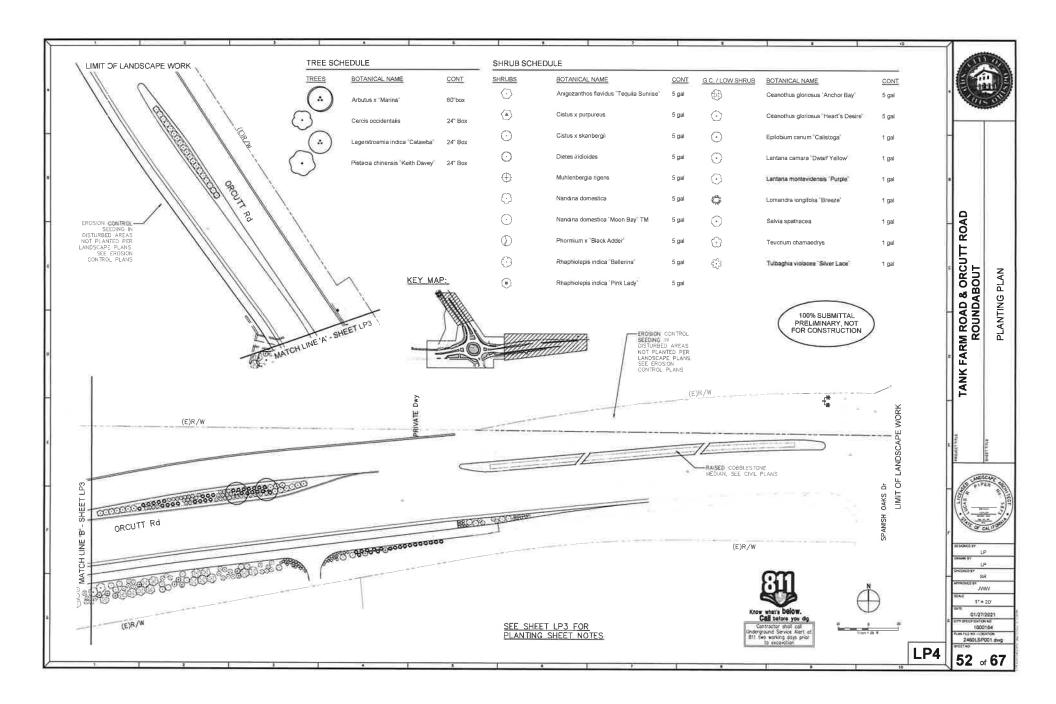
SQ2 48 of 67

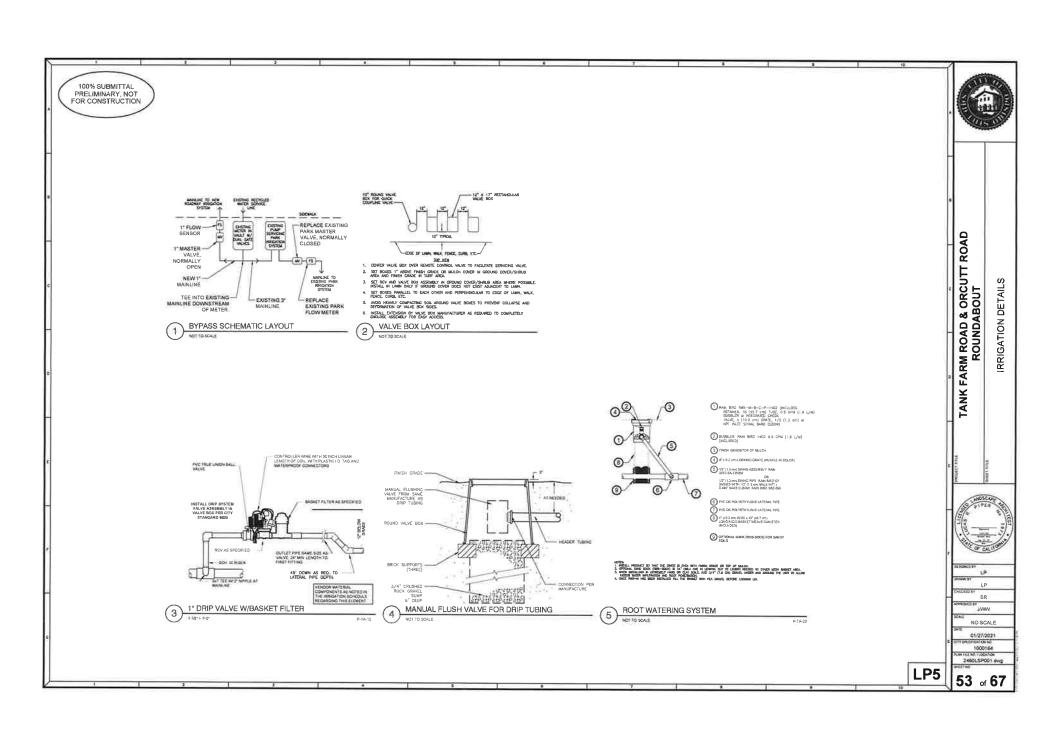
100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION

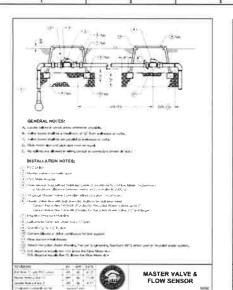


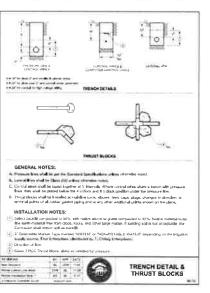


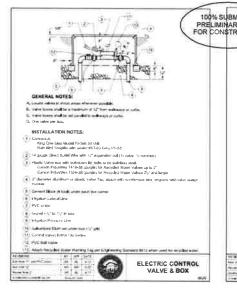


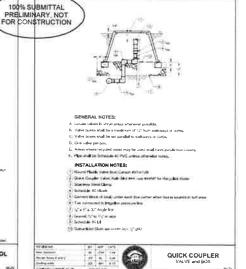


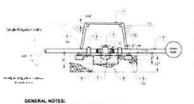












- the private which is provided arrange of account providing
- C. Sulley Desire shall be a maniferent of 12" from undersoon or come.
- D. Tollis Divises whall be not justified to make up to contra.

 E. Vellor skip and pipe take must be equal.

INSTALLATION NOTES:

- Parigle subjection with transformed to forecast from sometimes used.

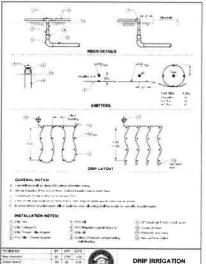
 Carpain from others 1419-161 (purple) for Heopites of native lyabous up to 27.

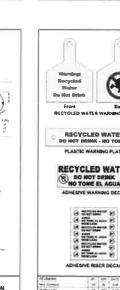
 Carpain from the carpain of the carp
- 3 Secretal rate

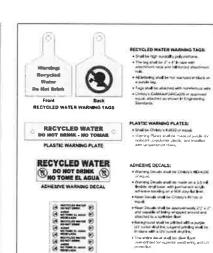
- Concrete titlori Relion valve, extending 6" beyong putable dimensions of valve. #10 Refer to the dist happen over value - Shilly not values 25" and larger
- Secretary Alexander of Adapt constitutions for the account
- Aboth recipited mater Weeking Tag per Engineering Standard (6:10 when used by racycled water)

CARROL	100	ve.	Sels :	ACC TO	
MEDICAN MANAGEMENT			AV		
Transfer Avenue Children	2.481	-	-049	6 3	
break board market by	18		Xell	STATE OF THE PERSON NAMED IN	
Contract Assessed and the		-76		40000	

ISOLATION VALVE







Warring Place shall be made of purple the realizant co-polymer place; and installing error broken-proof thesis.

Warriang Decade shall be Change MD-4236 Ponds

- Women, Decade goal instruction on a 3.5 rd.
 Soldier and topic with perfection and angle
 advantage to add any facilities.
 Many Complete and to Complete these
 and to the complete the angle.
- much separate shall be experimented and a plant and separate of highly wrighted annual and standard for a substant date.

 Standard to a substant date.

 Standard shall be partial add to purple out for the purple of the standard date of the substant date of the s
- I'm artire decat stall to dear floor
 Josephine for expense assistants, and UV



RECYCLED WATER WARNING TAGS

GENERAL NOTES:

- A. All signs shall be sign grade diurterum; .000 tribs, with white letters on a purple bockground. Signs and incure language stating that "Roughds Mater" is used for letters, what contain the leverating "DO InOT DRIBO" and shall include the landually standard symbol.
- B. The small signs shall be a remercan of 6" wede and 10" regn.
- C. Small signs shall be mounted to U-channel, 2 lbs. for rolled high tercels rail or billed stord with gallwardzeo finten per ASTM A-123. Sign post shall extend 4°T below grade.
- D. Large signs shall be a minimum of 16" liigh and 24" edge,
- E. Large slipin shell be instanted to chair link force in accordance with
- F. All mounting hardware shall be stainless said.
- G. Height of slams will depend on location and surrounding landscape plant types shin, height shall be 3). In all cases, slaps shall be visible to the public.

H. Sign letters shall be refective manufal.

- I. Signs shall be builted as shown on the place. As a miretuch, show shall be placed at each entrance to the area where recycled water will be used. Signs must be placed where they can be sawily seen, and no Author than 1000 against unless approved by the Watru Rouse Coordinator, For unlended areas, signs shall be placed at sidewalks and crosswabla, edireway entrances, consens, outdoor sating areas, and as otherwise required. For medians, a sign shall be placed at the beginning and und of the median, Longer medians may require an additional sign be placed near the niddle, equipistant from the ends of the modian. For fenced areas, signs must be placed at each fence opening
- J_{II} Post shall be Installed per Engineering Standard 7210 mounting negation.



RECYCLED WATER

LP6

ROAD ROAD & ORCUTT OUNDABOUT FARM I

TANK

STANDARDS

CITY

GATION

IRRI



SR JWW

NO SCALE

1000164 2460LBP001 dwg

IRRIGATION NOTES

GENERAL

- 1. PUBLICLY MAINTAINED IRRIGATED AREAS SHALL ABIDE BY THE MOST RECENT VERSION OF THE CITY OF SAN LUIS OBISPO STANDARD SPECIFICATIONS AND ENGINEERING STANDARDS, AND THE PROCEDURES FOR RECYCLED WATER USE
- THE IRREGATION DRAWINGS ARE DIAGRAMMATIC AND INDICATIVE OF THE WORK TO BE INSTALLED. ALL PIPING, VALVES, ETC. SHOWN WITHIN PAVED AREAS IS FOR CLARITY ONLY AND ARE TO BE INSTALLED WITHIN PLANTING AREAS WHERE POSSIBLE. THE CONTRACTOR IS ALSO REQUIRED TO MOTIFY AND COORDINATE IRRIGATION CONTRACT WORK WITH ALL APPLICABLE CONTRACTORS FOR THE LOCATION AND INSTALLATION OF PIPE, CONDUIT OR SLEEVES THROUGH OR UNDER WALLS, ROADWAYS, PAVING, STRUCTURE, BEFORE CONSTRUCTION. IN THE EVENT THESE NOTIFICATIONS ARE NOT PERFORMED, THE CONTRACTOR SHALL ASSUME FULL RESPONSIBILITY FOR ALL REQUIRED REVISIONS,
- 3. CONTRACTOR SHALL FAMILIARIZE HIMSELF WITH THE PLANS AND SITE CONDITIONS PRIOR TO BEGINNING WORK. THE CONTRACTOR SHALL NOT WILLFULLY INSTALL THE IRRIGATION SYSTEM AS SHOWN ON THE DRAWNINGS WHEN IT IS OBVIOUS IN THE FIELD THAT OBSTRUCTIONS, GRADE DIFFERENCES, DIFFERENCES IN THE AREA, AMO/OR DIFFERENCES IN THE AREA
- THIS IRPIGATION SYSTEM POINT OF CONNECTION SHALL TAP INTO AN EXISTING RECLAIMED WATER CONNECTION SERVICE AT THE LOCATION SHOWN ON PLANS, DOWNSTREAM OF THE EXISTING RECOVED WATER METER. THE LANDSCAPE CONTRACTOR SHALL COORDINATE WITH THE CITY TO VERIFY LOCATION OF EXISTING RECYCLED WATER FACILITIES AND OBTAIN APPROVAL OF CONNECTION LOCATION AND LOCATION OF DOWNSTREAM COMPONENTS.
- 5. THE CONTRACTOR SHALL MAINTAIN FUNCTION OF THE EXISTING PARK IRRIGATION SYSTEM DURING AND AFTER WORK COMPLETION. THE CONTRACTOR IS RESPONSIBLE FOR REPLACING THE EXISTING PARK MASTER VALVE AND FLOW METER AS SHOWN ON THE PLANS AND SCHEDULE TO THE SATISFACTION OF THE CITY.
- 6. THE LOCATION OF EXISTING UNDERGROUND UTILITIES SHOWN ON THESE PLANS ARE APPROXIMATE AND INCOMPLETE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ANY AND ALL EXISTING UTILITIES BEFORE COMMENCING WORK. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO "POTHOLE" ALL EXISTING FACILITIES AS NEEDED TO DETERMINE THE DEPTH AND DIRECTION OF UNDERGROUND FACILITIES, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO "POTHOLE" ALL EXISTING FACILITIES AS NEEDED TO AHEAD OF CONSTRUCTION (300 FT. MIN.) TO ALLOW FOR VERTICAL ADJUSTMENTS IN GRADE TO AVOID CONFLICTS WITH EXISTING FACILITIES, ALL FIELD ADJUSTMENTS SHALL BE ACCOMPLISHED AT THE SOLE EXPENSE OF THE CONTRACTOR, CONTRACTOR SHALL ALSO NOTIFY UNDERGROUND SERVICE ALERT PRIOR TO BEGINNING ANY WORK ON SITE.
- 7. CONTRACTOR SHALL PROVIDE MANUFACTURERS' CUT SHEETS FOR ALL COMPONENTS SPECIFIED, ALL IRRIGATION EQUIPMENT SHALL BE INSTALLED ACCORDING TO MANUFACTURERS' RECOMMENDATIONS, SPECIFICATIONS, ACCORDING TO PLANS AND DETAILS, AND AT THE DIRECTION AND DISCRETION OF THE CITY.
- 8. CONTRACTOR SHALL SLEEVE UNDER PAVING PER PLANS AND SPECIFICATIONS, SLEEVES UNDER PAVING SHALL BE COORDINATED WITH THE CIVIL PLANS AND INSTALLED PRIOR TO PAVING OPERATIONS. SLEEVES SHALL BE 2X THE SIZE OF THE LINE(S) PROTECTED, AT LOCATIONS SHOWN ON THE PLANS, AND EXTEND 18" BEYOND EDGE OF PAVING
- 9. ALL CONTROL WIRE SHALL BE THE TYPE AND SIZE PER CITY STANDARDS AND SPECIFICATIONS. WIRE SHALL BE INSTALLED IN A COMMON TRENCH WITH MAINLINE PIPING WHERE POSSIBLE, TWO "SPARE" WIRES SHALL RUN FROM THE CONTROLLER TO THE FARTHEST IRRIGATION VALVE(S). LOOP WIRES INTO VALVE BANKS ALONG THE RUN.
- 10 PLACE FLOW SENSOR DATA CABLE FROM CONTROLLER TO MASTER VALVE / FLOW SENSOR IN ITS OWN 1" DIAMETER SCH. 40 GREY ELECTRICAL CONDUIT.

CONTROLLER

- 1. CONTRACTOR SHALL UTILIZE AN EXISTING CITY IRRIGATION CONTROLLER LOCATED ON THE BACKSIDE OF THE ISLAY PARK RESTROOM, THE EXISTING CONTROLLER SHALL BE RETROFITTED AS DESCRIBED ON THE PLANS AND IRRIGATION SCHEDULE, NEW CONTROL AND NEUTRAL WIRES SHALL CONNECT FROM OPEN PORTS ON THE EXISTING CONTROLLER TO NEW VALVES.
- 2. CONTRACTOR SHALL PROGRAM THE EXISTING IRRIGATION CONTROLLER TO PROVIDE IRRIGATION TO ALL PLANTING WITHIN THE ALLOWED WATERING WINDOW OF TIME AS REQUIRED BY THE CITY. THE CONTRACTOR SHALL CREATE CONTROLLER PROGRAMING THAT WILL OPERATE ONE VALVE AT A TIME AS TO NOT EXCEED THE MAXIMUM GALLONS PER MINUTE FLOW RATE STATED ON THE DRAWMOS. COORDINATE WITH CITY PARKS TO VERTIP NEW SCHEDULER, WHE EXCITING PARK IRRIGATION SCHEDULE.

SYSTEM DEMAND EXPECTATIONS

RRIGATION POC REQUIREMENTS: IRRIGATION SYSTEM IS DESIGNED TO FUNCTION AT MINIMUM 12 GPM AND 85 PSI STATIC PRESSURE AT IRRIGATION POINT OF CONNECTION.
CONTRACTOR TO VERIFY STATIC PRESSURE AT POC PRIOR TO COMMENCEMENT OF WORK, IF EXISTING STATO PRESSURE IS MORE THAN 10 OPSI LOWER THAN 15 GPM, THE CONTRACTOR SHALL NOTIFY THE CITY PRIOR TO PROCEEDING WITH IRRIGATION INSTALLATION.

COMPLETION

- 1. CONTRACTOR SHALL KEEP A DETAILED REDLINE PLAN RECORDING INSTALLATION OF IRRIGATION SYSTEM, RECORD PLAN SHALL BE DRAFTED WITH AS-BUILT DRAWINGS SHOWING LOCATIONS OF PIPING, VALVES, HEADS, WIRING, ETC. FOR APPROVAL BY CITY ENGINEER
- 2. THREE LAMINATED, DETAILED IRRIGATION SCHEDULES SHOWING STATION PROGRAMMING AND RUN TIMES SHALL BE PROVIDED FOR THE CONTROLLER AND APPROVED BY CITY -ONE WARM SCASON, ONE COLD SEASON, AND ONE FOR PLANT ESTABLISHMENT PERIOD. EACH SCHEDULE SHALL BE ACCOMPANIED BY REDUCE "AS-BULLT" PLAN I ("1"/1"/1")

 PERMANENTLY MOUTED IN ON REAR CONTROLLER. THESE SHALL BE SUBMITTED PRIOR TO ACCEPTANCE OF THE WORK AND AS A CONDITION OF COMMENCEMENT OF

 PERMANENTLY MOUTED IN ON REAR CONTROLLER. THESE SHALL BE SUBMITTED PRIOR TO ACCEPTANCE OF THE WORK AND AS A CONDITION OF COMMENCEMENT OF

 MAINTENANCE PERIOD. AFTER FINAL ACCEPTANCE OF THE PROJECT BY THE CITY, INCLUDE A WIRE COLOR TO AND DESIGNATION, WIRE COLOR, VALVE WO, AND LOCATION,
- 3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTENANCE OF THE LANDSCAPE IRRIGATION SYSTEM FOR THE DURATION OF THE PLANT ESTABLISHMENT PERIOD. THIS INCLUDES PROGRAMMING THE MINIMUM AMOUNT OF WATER NEEDED TO SUSTAIN GOOD PLANT HEALTH, DUTIES SHALL ALSO INCLUDE CHECKING AND REPAIRING IRRIGATION SYSTEM TO MAINTAIN PEAK PERFORMANCE
- 4. CONTRACTOR RESPONSIBLE TO COMPLETE STATE REQUIRED "CERTIFICATION OF INSTALLATION" AND COORDINATE A "LANDSCAPE IRRIGATION AUDIT REPORT" PER SECTION 492,11
 OF THE STATE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE.

CITY STANDARDS

UNLESS OTHERWISE SPECIFICALLY STATED IN THESE DRAWINGS, THE CONTRACTOR SHALL ADHERE TO THE CITY OF SAN LUIS OBISPO STANDARD SPECIFICATION AND ENGINEERING STANDARDS, REFER TO THE FOLLOWING CITY IRRIGATION STANDARD DETAILS:

- MASTER VALVE AND FLOW SENSOR STANDARD 8550
- TRENCH DETAIL AND THRUST BLOCKS STANDARD 8610
- ELECTRIC CONTROL VALVE AND BOX STANDARD 8620 (USE FOR ROOT ZONE WATER SYSTEM VALVES)
- QUICK COUPLER VALVE AND BOX STANDARD 8630 ISOLATION VALVE STANDARD 8640
- DRIP IRRIGATION STANDARD 8660
- RECYCLED WATER WARNING TAGS, LABELS, AND DECALS STANDARD 8810
- RECYCLED WATER WARNING SIGNS STANDARD 8820

ADDITIONAL DETAILS NOT COVERED BY, OR DIFFERING FROM, THE ENGINEERING STANDARDS ARE SHOWN ON THE IRRIGATION DETAILS SHEET,

CENERAL SITE INFORMATION FOR RECYCLED WATER USE

- 1. LANDSCAPE RECYCLED WATER IRRIGATION USE AREA: 15,668 SF
- 2 PUBLIC ACCESS TO SITE GROUND IS: OPEN
- 3. OWNER: CITY OF SAN LUIS OBISPO
- 4. PROPERTY MANAGER CONTACT: CITY OF SAN LUIS OBISPO PUBLIC WORKS
- 5. TENANTS NOT APPLICABLE
- 6. ON-SITE WELL LOCATIONS: NONE
- 7. WELLS ON ADJACENT SITES LOCATED WITHIN 50 FT OF RECYCLED WATER APPROVED USE AREA OR WITHIN IN 100 FT OF ANY RECYCLED WATER IMPOUNDMENT: NOT KNOWN
- 8: OUTDOOR DRINKING FOUNTAINS IN/NEAR THE RECYCLED WATER USE AREA: NONE
- 9. OUTDOOR EATING AREAS IN /NEAR THE RECYCLED WATER LISE AREA. NONE
- 10. WATER FEATURES ON SITE: NONE

CITY STANDARD NOTES FOR RECLAIMED WATER USE-

- THE CITY MUST INSPECT AND/OR VERIFY:
- . PRESENCE OF PROPER BACKFLOW PREVENTION DEVICE AT ALL POTABLE WATER POINTS OF
- . NEW UNDERGROUND PIPING (MATERIALS, BURIAL DEPTH, CLEARANCES, LABELING, SLEEVING).
- INSTALLATION OF SIGNS, TAGS AND CONTROLLER DECALS.
- . REQUIRED TEMPORARY CONNECTION TO POTABLE WATER IN ORDER TO CONDUCT REQUIRED CROSS-CONNECTION TEST.
- SITE MUST PASS A REQUIRED CROSS—CONNECTION TEST PERFORMED BY A CERTIFIED AWWA CROSS—CONNECTION SPECALIST: IF POTABLE WATER IS NOT PRESENT AND/OR USED AT THE SITE, THE CROSS—CONNECTION TEST MAY BE WAIVED. CONTACT THE GITY UTILIED EPEARMENT TO DISCUSS TESTING REQUIREMENTS AT (805) 781-7239
- NEW METER INSTALLATION PRIOR TO RECEIVING RECYCLED WATER, THE CITY MUST INSPECT THE DISCONNECTION OF THE SITE'S IRRIGATION SYSTEM FROM THE TEMPORARY POTABLE WATER SUPPLY, AND THEN INSPECT THE CONNECTION OF THE SYSTEM TO THE RECYCLED WATER SUPPLY.
- ALL ON-SITE BURIED RECYCLED WATER PIPING SHALL BE IDENTIFIED BY ONE OF THE FOLLOWING
- USING PURPLE-COLORED PVC PIPE WITH CONTINUOUS WORDING: "CAUTION RECYCLED WATER" OR
 "CAUTION RECLAIMED WATER" PRINTED ON OPPOSITE SIDES OF THE PIPE. PIPE SHALL BE LAID WITH
- USING PURPLE-COLORED POLYWRAP SLEEVE OVER THE PIPE, POLYWRAP SLEEVE SHALL HAVE CONTINUALLY REPEATING WORDING: "CAUTION RECYCLED WATER" OR "CAUTION RECLAIMED WATER" PRINTED ON OPPOSITE SIDES.
- WARNING TAPE WITH A MINIMUM WIDTH OF THREE INCHES (3") READING, "CAUTION RECYCLED WATER" OR "CAUTION — RECLAIMED WATER" (IN BLACK OR WHITE LETTERING ON PURPLE BACKGROUND) SHALL RUN CONTINUOUSLY ON TOP OF PIPING AN SHALL BE ATTACHED TO PIPING WITH PLASTIC TAPE BANDED AROUND THE WARNING TAPE AND THE PIPE EVERY FIVE (5') ON CENTER.
- 5. ALL ON-SITE RECYCLED WATER PIPING SHALL BE BURIED TO A MINIMUM DEPTH FROM FINISHED GRADE TO TOP OF PIPE (MINIMUM COVER) OF
 - PRESSURIZED LINES 3 INCHES AND LARGER 24 INCHES
 - · PRESSURIZED LINES 2 1/2 INCHES AND SMALLER 18 INCHES
 - . INTERMITTENT PRESSURE LINES 12 INCHES

100% SUBMITTAL

PRELIMINARY, NOT

FOR CONSTRUCTION

- 6. ALL RECYCLED WATER PIPING OTHER THAN PVC PIPING WITH SOLVENT WELDED JOINTS SHALL BE PROTECTED AGAINST MOVEMENT WITH THRUST BLOCKS OR RESTRAINED JOINTS OR OTHER APPROVED WETHOD PER THE CITY OF SAN LUIS ORISPO REQUIREMENTS.
- MAINTAIN A 10-FOOT HORIZONTAL SEPARATION BETWEEN BURIED PRESSURIZED RECYCLED WATER MANIAN A 10-FOOT HORIZONTAL SEPARATION BETWEEN BURIED PRESSURIZED RECYCLED WATER REPLATION PHINO, AND BURIED POTABLE WATER PHYROL UNLESS OTHERWISE NOTED. AT PIPE CROSSINGS, BURED PRESSURIZED RECYCLED WATER PREDICTION PHYROL MUST BE 12 INCHES BELOW POTABLE WATER LINES. PRESSURIZED RECYCLED WATER PREDICTION SAFE ALLOWED OVER POTABLE WATER PREDICTION AND MINIMUM OF 12 INCHES OF VERTICAL SEPARATION IF A FULL STANDARD PIPE LENGTH IS CENTRED OVER THE CROSSING, OF THE RECYCLED MATER PIPELINE IS NISTALLED IN A PIPE SLEEVE WHICH EXTENDS IN HIS CONTROL OF THE RECYCLED MATER PREDICTION OF THE POTABLE WATER PHYROL. INTERMITENTLY PRESSURIZED INFRIGATION LINES MAY BE LOCATED A MONIMUM OF 12 INCHES ABOVE POTABLE WATER PIPELINES
- ALL RECYCLED WATER SYSTEM REMOTE CONTROL VALVES, ISOLATION VALVES, QUICK COUPLING VALVES, STRANGERS, AND PRESSURE-REGULATING VALVES SHALL BE INSTALLED BELOW GRADE IN VALVE BOXES STRANDERS, AND FRESONDET-REGULATION VALVES STRAIL BE HISTALED BELOW WHAVE IN VALVE DAKES WITH FURTHER COLORES BOXES AND LIGST, VALVE BOXES SHALL HAVE A WARNING LABEL OR NAMERIA FERRIAMENTLY MOLDEN INTO OR ATTACHED ONTO THE LID WITH RIVETS, SCREWS, OR BOLTS, WARNING LABELS SHALL BE FOR CITY OF SAN LUIS GIBSPO STANDARD DETAILS.
- 9. NO HOSE BIBS ARE ALLOWED ON THE RECYCLED WATER IRRIGATION SYSTEM.
- 10. ALL RECYCLED WATER METERS, DEVICES AND VALVES (E.G. ISOLATION VALVES, IRRIGATION CONTROLLERS, REMOTE CONTROL VALVES, PRESSURE REGULATING VALVES, QUICK COUPLING VALVES, ETC.) SHALL BE TAGGED PER CITY OF SAN LUIS OBISPO STANDARD DETAILS.
- 11. RECYCLED WATER ADVISORY SIGNS CONFORMING TO THE DETAILS AND SPECIFICATIONS ON THE CITY OF SAN LUIS OBISPO-APPROVED IRRIGATION PLANS SHALL BE POSTED PER LOCATIONS SHOWN ON THOSE
- 12, INSTALLATION OF DIRECT INJECTION SYSTEMS ON THE RECYCLED WATER IRRIGATION SYSTEM IS NOT
- 13. NO DRINKING FOUNTAINS OR EATING AREAS ARE ALLOWED IN THE APPROVED RECYCLED WATER USE AREA UNLESS ADEQUATELY PROTECTED FROM OVERSPRAY.
- 14. ALL RECYCLED WATER METERS WILL BE SET BY THE CITY AFTER THE SITE'S OWNER, DEVELOPER, OR CONTRACTOR HAS APPLIED FOR RECYCLED WATER SERVICE WITH THE CITY, THE WATER SERVICE AGREEMENT HAS BEEN APPROVED (IF APPLICABLE), AND ALL APPLICABLE FEES HAVE BEEN PAID
- 15. NO DVERSPRAY OR RUNOFF OF RECYCLED WATER IS ALLOWED ON ANY NON-APPROVED USE AREA PONDING OF RECYCLED WATER DUE TO IRRIGATION IS NOT ALLOWED IN ANY AREA UPON RECEIVING RECYCLED WATER, THE ON-SHE RECYCLED WATER IRRIGATION SYSTEM MUST PASS A COVERAGE TEST CONDUCTED BY THE CITY OF SAN LUIS OBISPO INSPECTOR OR DESCRIE.
- 16. CONTRACTOR SHALL SUBMIT AS—BUILT IRRIGATION PLANS TO THE CITY OF SAN LUIS OBISPO INSPECTOR WITHIN 90 DAYS OF SITE RECEIVING RECYCLED WATER.
- 17. IRRIGATION HEADS SHALL BE LOCATED NO CLOSER THAN 24" FROM HARDSCAPE EDGES WHEN HARDSCAPE DRAINS AWAY FROM LANDSCAPE AREAS PER WATER EFFICIENT LANDSCAPE ORDINANCE.

ROAL ORCUTT S M ROAD &

RM

FA

¥

3535

SR JWW

NO SCALE 1000164 TAN FILE NO / LOGATION

2460LSP001 dwg

LP7

1.25"

1.5"

15-25

25-35

35-56

Max 2 pipes per Sleeve Sieeve shall be 2x

sleeves 18" beyond edges of paving. Install

total diameter of pipes serviced. Extend

sleeves per City Standards

LANDSCAPE DOCUMENTATION PACKAGE

PROJECT INFORMATION:

- 1. PROJECT LOCATION IS AS SHOWN ON TITLE SHEET
- 2. TOTAL LANDSCAPE AREA: 15,423 SF
- 3. PROJECT TYPE: PUBLIC CITY ROUNDABOUT
- 4 WATER PURVEYOR: CITY OF SAN LUIS OBISPO UTILITY SERVICES WATER DIVISION
- 5. WATER SUPPLY TYPE: RECLAIMED WATER
- 6. DOCUMENTS IN THIS PACKAGE INCLUDE:
 - IRRIGATION PLANS / DETAILS
 - PLANTING PLANS / DETAILS
 - MAWA WATER BUDGET CALCULATIONS
- ETWU WATER BUDGET CALCULATIONS
- 7. SOIL MANAGEMENT REPORT: NOT PREPARED ALL PLANTING SOIL SHALL BE IMPORTED TOP-SOIL FOR BACKFILL IN OVER-EXCAVATED PLANTER AREAS, SOIL SHALL CONFORM TO PLAN NOTES, DETAILS, AND CALTRANS STANDARD FOR IMPORTED TOPSOIL.
- 8; SEE CONTOUR GRADING SHEETS FOR GRADING

DESIGNER'S STATEMENT

I HAVE COMPLIED WITH THE CRITERIA OF THE STATE OF CALIFORNIA ASSOCIATED WITH THE MODEL WATER EFFICIENT LANDSCAPE ORDINANCE AND APPLIED THEM ACCORDINGLY FOR THE EFFICIENT USE OF WATER IN THE IRRIGATION DESIGN PLAN.

STATEMENT PREPARED BY:

LANDSCAPE ARCHITECT

GHD, INC. 916-782-8688 lucas piper@ghd.com

Orcutt and Tank Farm Roundabout, SLO, CA

(per the State Model as of November 2017)

MAWA (Maximum Applied Water Alle

Formula per Stuto = (Elb)(0.42)(ETAF*LA) +((1-ETAF*SLAT

Annual Gallons Allowed = 418 826 99

LIAWA Cotorus Eta = 43 B0 ETAF = 0 45 LA = 15 423 BG SLA = 15 42J 00

routt and Tank Farm Roundabout, SLO, CA

WU (Estimated T	otal Water Use) Calci	CTE & D.S.Z. a (CPP + MAL/HD + SLA)					
Mydig Ziee	Welve Zones		in Marthag		Hydrogory Area (HE)	FF K HAINS		
Low	NA.	0.3	DRIP	0.81	0.00	0.00		
Medium	NA.	0.5	DRIP	0.61	0.00	0.00		
High	NA:	0.9	DRIP	0.81	0,00	0.00		

	0.00	TOTAL HYDROZONE AREA
15423	USE RECLAIMED WATER	TOTAL SPECIAL LANDSCAPE AREA - ALL VALVES
15.421.00	PECIAL LANCISCAPE AREA	TOTAL LANDSCAPE AREA INCLUDING SP

REFERENCE FACTORS		. HESS III DE MAPA	11/1/
ET a Radio	(E visposation transporation rate for area)	45.00	10/0
ETAF	data from state to non-residential value for SMAR.	0.46	
CF (Conversion Factor)	(used b) correct acress/cess/year to gas siliper years	0.82	
IE Grayution Efficiency)	than state efficiency for emp.	0.81	
PF (Place Faceer) High	(Bir fair from state or juris diction)	.7-1.0	
PF (Plant Factor) Medium	, bit to from state or pasydictions	.4.6	
PF (Plant Focus) Low	Chicke from state or sandcorers	.11	
PF (Plans Faces) Very Low	CRESA Form Waller or paradictions	B.1	

VALVE SCHEDULE

NUMBER	MODEL	SIZE	TYPE	GPM	WRE	PSI	PSI @ POC	PRECIP
1	Electric Control Valve	SIZE	Bubbler	8.50	211.2	38.16	41.77	1.70 in/h
2	Drip Zone Valve Assembly	1"	Area for Drip Emitters	8.84	216.0	49.21	53 20	0.44 in/h
3	Drip Zone Valve Assembly	1"	Area for Drip Emitters	7.04	149.4	47.00	48 63	0.42 in/h
4	Drip Zone Valve Assembly	1*	Area for Drip Emitters	9.02	155.8	50.61	53.33	0.37 in/h
5	Drip Zone Valve Assembly	1"	Area for Drip Emitters	10.16	161.8	54.86	58.41	0.34 in/h
	Common Wire				238.6			



100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION

ROAD ORCUTT I ~ <u>~</u> ROAD & FARM F

TANK

SCHEDI

GATION

10 SR JWW NO SCALE 01/27/2021

1000164 2460LSP001.dwg

56 of 67

LP8

A. INSPECTION:

Inspection of tree clasticity by the City Engreening Inspector or Bulluting Inspector is reculting to the Engreening Inspector or Bulleting Inspector small apprece the high dimensions paid to a planting. 2. City Aboests small partom (inspection or planting and too or qualify uther time (beginning is

Appointments for inspectionis) may be made by calling (805) 781-7220 at least 48 feors in advance of the Inspection.

B. TREE QUALITY:

smoot an example of the requirements of guideline specifications for nuisery free quality included in Appendix I.

- pendomina, with a material
 The date/## materials shall be free of construction spoils/behile acid composed of:
 75% Notice Soil (the soil introved from the planting rule)
- 15% Compost Material 10% Sand (see Note)

Note: The sand component of the sackfill may be deleted if the America describes that the cutsting rishine soil will provide adequate agration for the root system

D. PLANTING: Prof. 8(8): 88 bits bits and the excassion had been so backet invalid, white tamping and eatining to an electricity required to the bottom of the root ball, front down thought had extend one (1) that above fields grade where planting is completed and of the best collect the bottom of grade. Place the level to be planted byte control or this or bottom of south the bottom of grade. Place the level to be planted byte controlled the bottom of grade. Place the level to be planted byte controlled to the on bringed backet. Exchange and the plant grade the planting and the planting and

Continue washing abortill around root bull to finish grade, while tamping lightly, and add additional water to thoroughly wet not bull and buoutill material.

For Street Tree Well Installations, finish grade shall be 41 below the satewalk grade,

Standard here sless shall be #15. A larger sized 241 361 or 481 true may be required for some Practilations (New trees planted in the powntown pullfills the boundary of the Bowntown Association)

Tree type shall be from the Master Street Tree list and (if applicable) but in accombine with the selections to major abrets.

F. STAXUNG: All ready planted sheet trees shall be staked.

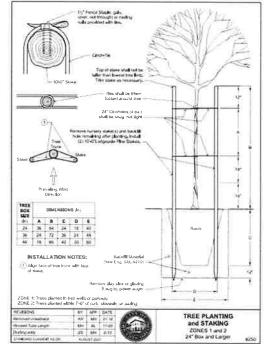
G. GUARDS:

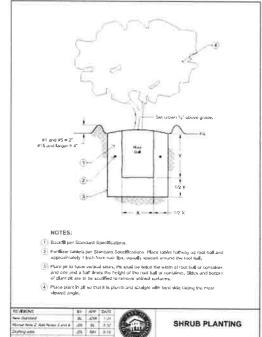
Trees planted within the Missian Bible Selected Destrict shall include limited son of a tree good of the same manufacturer as the tree grafts, see Engineering Standard #150.

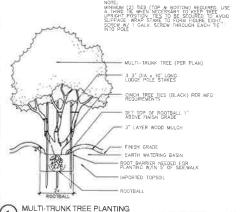
*CARAG	1.00	APP	DATE
November 1 August 1 & C.	ker	16	1100
NAME & B C D	40+	Adv	* 13
Charlespaids.	101	601	5.16
Manfacto Concept ex two	5.5	SER NO	

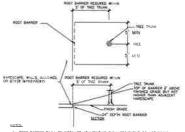


STREET TREE PLANTING NOTES









1 RODT BARRIER SHALL RE INSTALLED ADJACENT TO THE IMPROVEMENT, DO NOT CIRCLE ROOT BARRIER AROUND THE ROOTBALL 2 ROOT BARRIER REQUIRED WHICH THE TREE TRUNK IS WITHIN 5' OF HARDSCAPE, WALLS BULLENGS, OR CTHER APPROVEMENTS.

100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION

LINEAR ROOT BARRIER

LP9

ROAD ROAD & ORCUTT COUNDABOUT FARM R

TANK

STANDARDS

CITY

PLANTING



AMOND BY SR NO SCALE 01/27/2021

1000164 2460LSP001.th/g

57 of 67

2



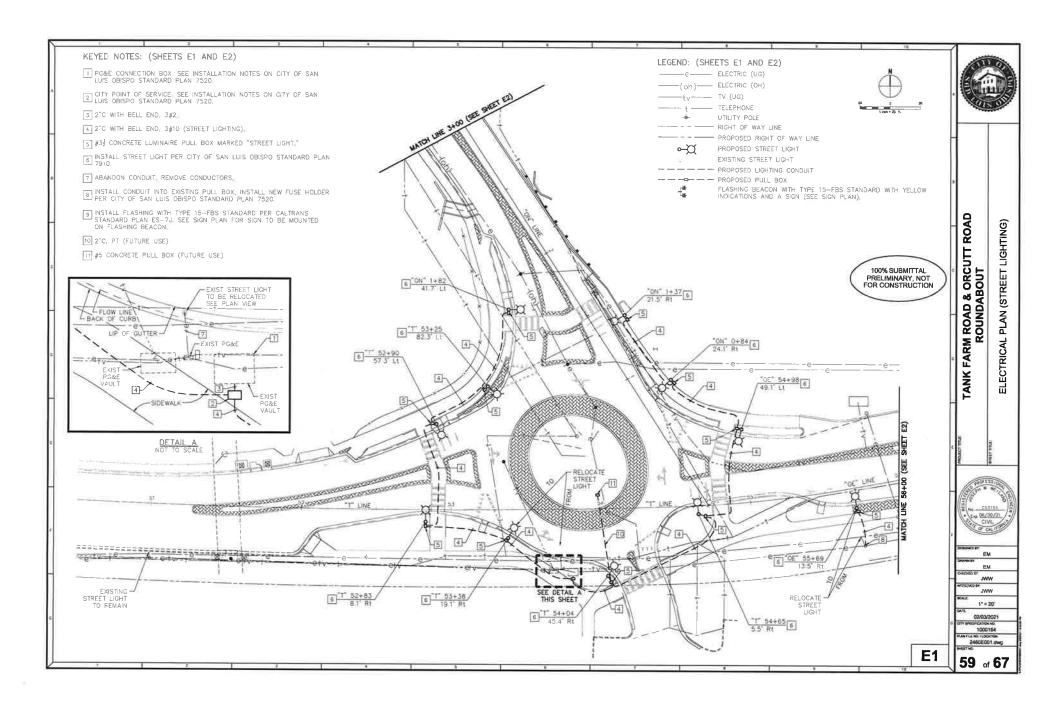
SCHEDUL

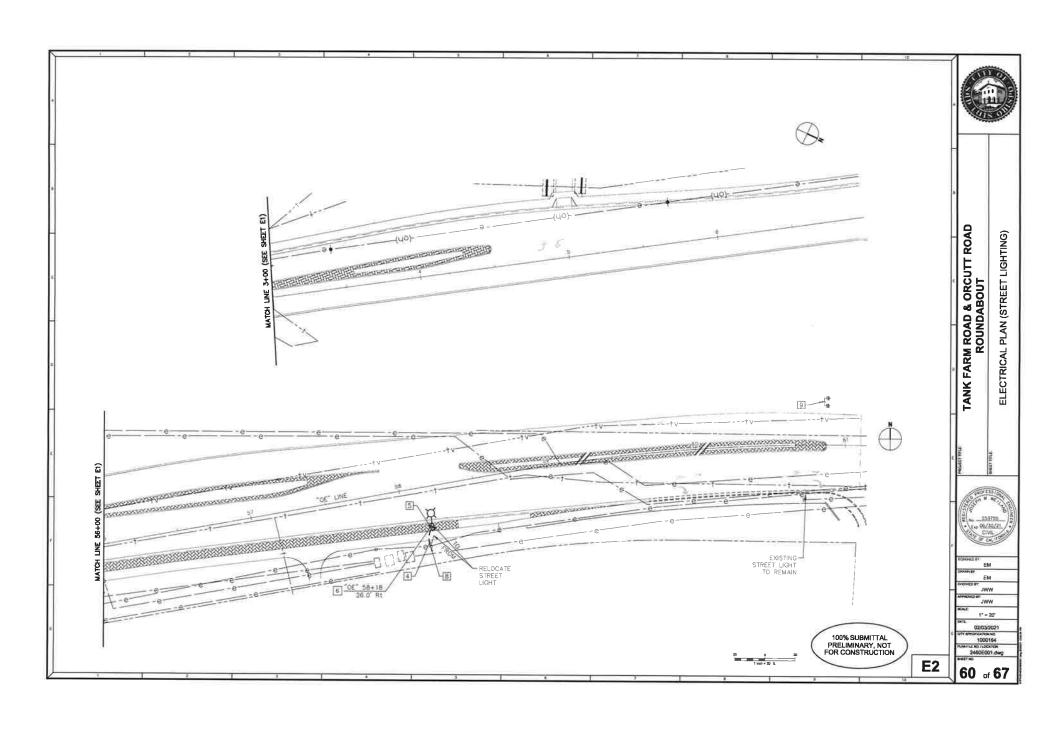
ANTING

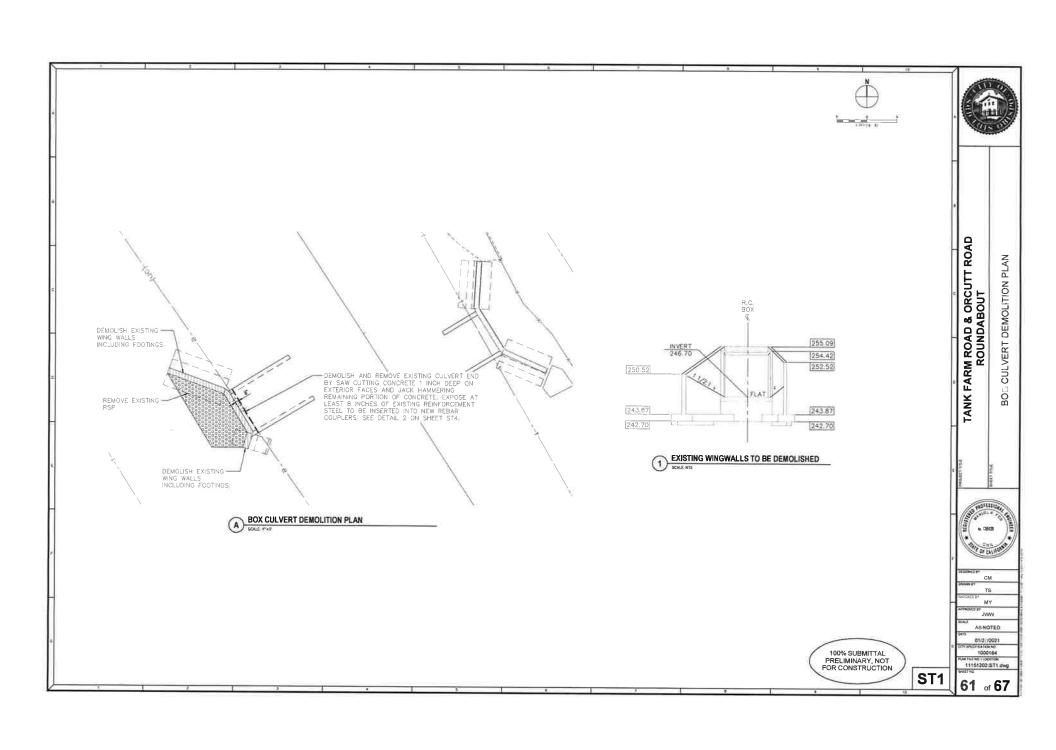
SR VVVL

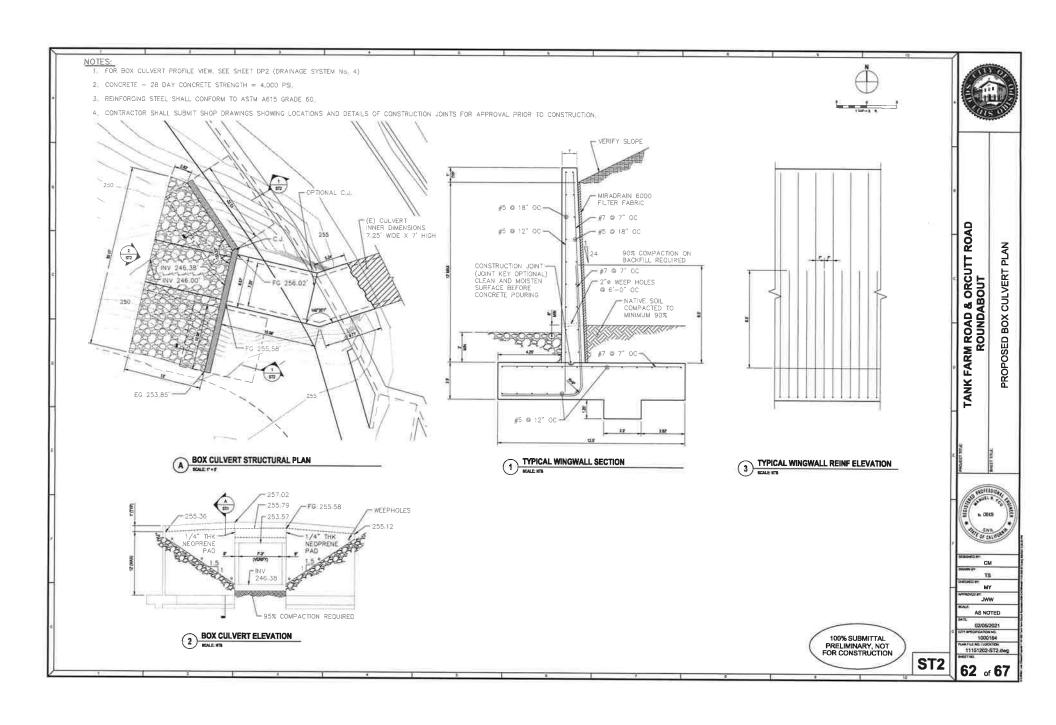
NO SCALE 01/27/2021

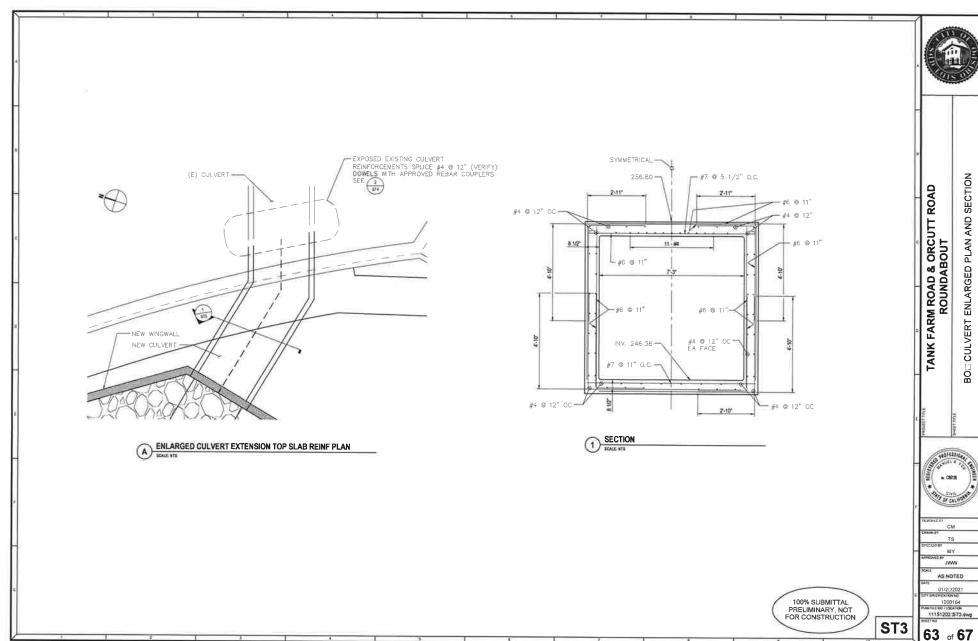
1000164 2460L5P001.0mg

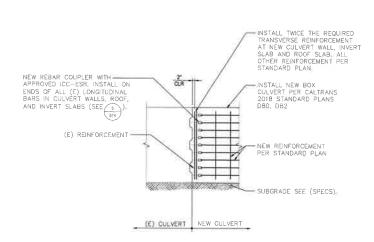




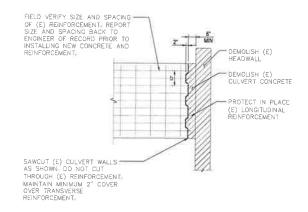




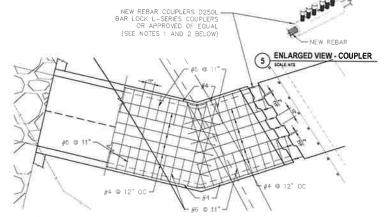




EXISTING CULVERT WALL TO NEW CULVERT WALL CONNECTION



EXISTING HEADWALL DEMOLITION



NOTES:

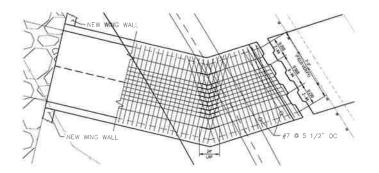
1. REBAR SIZES AND QUANTITIES SHOWN ON THESE DRAWINGS ARE BASED ON

1. REBAR SIZES AND QUANTITIES SHOWN ON THESE DRAWINGS ARE BASED ON CALTRANS STANDARD DRAWING (0,80) FOR CAST-IN-P-LACE SINGLE BOX CULVERTS.
2. CONTRACTOR SHALL EXPOSE EXISTING BOX CULVERT REINFORCEMENTS TO BE SPLICED TO NEW BOX CULVERT EXTENSION AND DETERMINE IF REBAR SIZES ON THE EXISTING BOX CULVERT ARE THE SAME AS THOSE INDICATED ON THESE DRAWINGS.
3. WHERE REBAR SIZES AND SPACING SHOWN ON THESE DRAWINGS ON ONT MATCH EXISTING CULVERT HORIZONTAL REBARS. THE OWNER SHALL BE NOTHELD AND FEBRA AND COUPLER SIZES AND SPACING DICATED ON THESE DRAWINGS SHALL BE MODIFIED TO MATCH THE SIZES AND SPACING OF EXISTING REINFORCING.

1. NEW CULVERT BOTTOM SLAB SHALL BE CONNECTED TO EXISTING REINFORCING.

MANNER AS SHOWN ON DETAILS 3 AND 4 ON THIS SHEET.

PLAN VIEW - REINFORCEMENT TOP BARS TOP SLAB



PLAN VIEW - REINFORCEMENT BOTTOM BARS TOP SLAB 4 PLAN SCALE: NTS

> 100% SUBMITTAL PRELIMINARY, NOT FOR CONSTRUCTION



ROAD FARM ROAD & ORCUTT ROUNDABOUT

TANK

CULVERT DETAILS

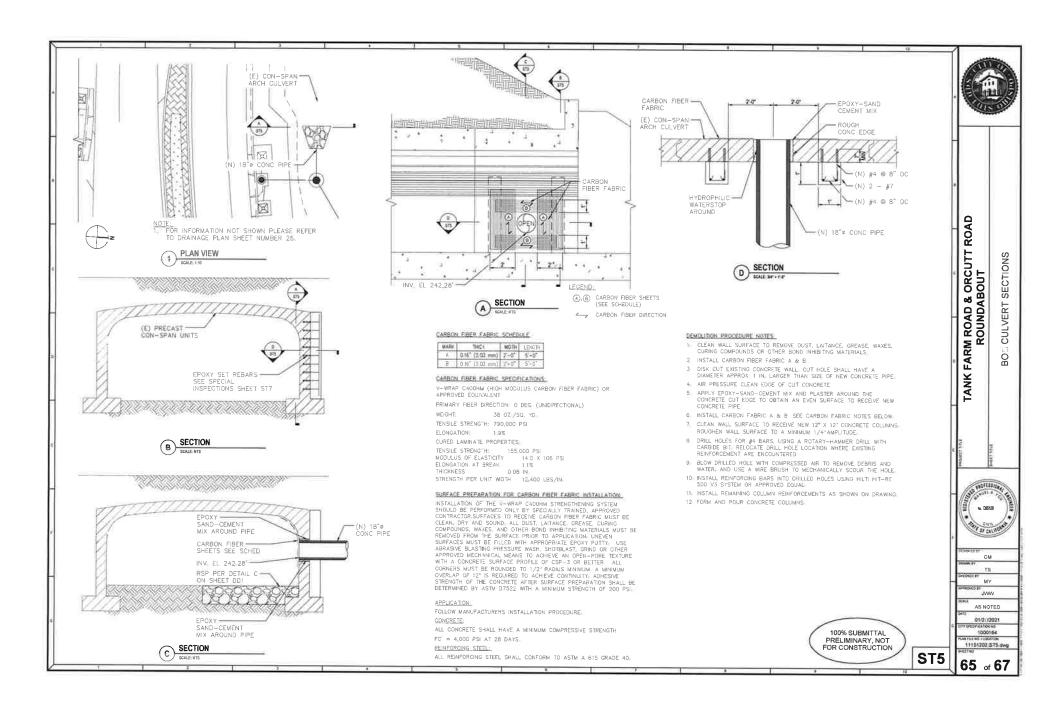
BO

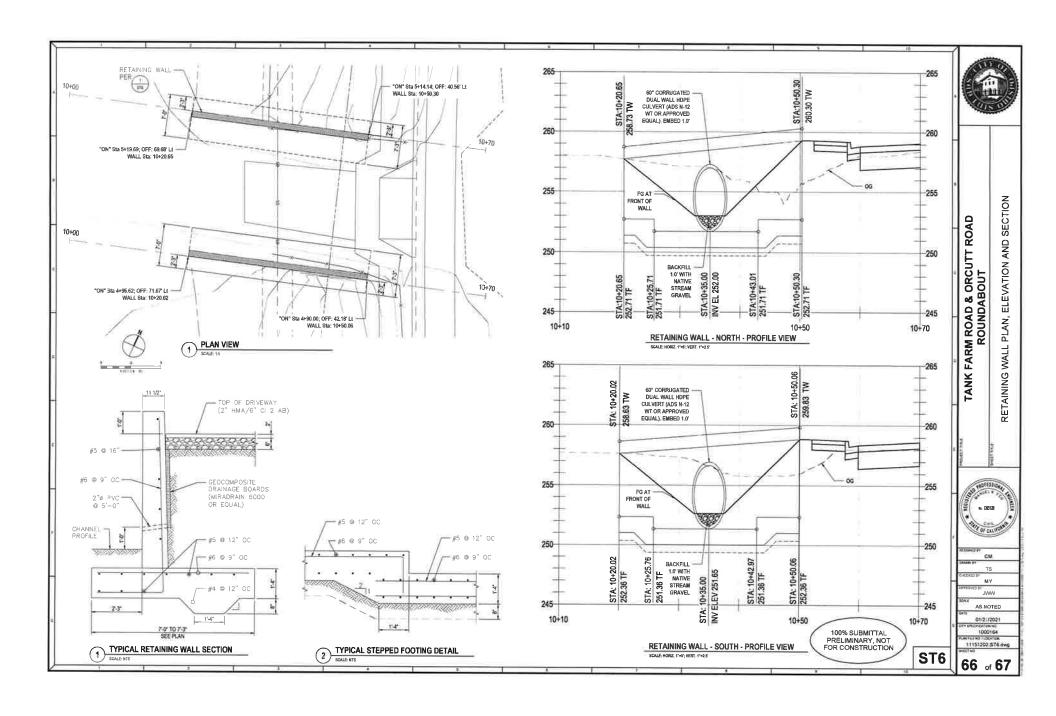
NO HOPHISTORY E C#5128

CM TS MY JWW AS NOTED

01/21/2021 1000164 N FUE NO / LOCATION 11151202|5T4.qug

ST4 64 of 67





(41)

FARM ROAD & ORCUTT ROAD ROUNDABOUT

TANK

INSPECTIONS

ECIAL

SP

UCTURAL

 $\overline{\alpha}$

R

to CALANDA

CM
DAWN 27
TE
DETAIL BY
MY
APPROALES
JWW
SEAS
AS NOTED
SAIS
O1/2/12/21

1000164 FANTIEND / 100070N 11151202:STILINNS

ST7 67 of 67

100% SUBMITTAL

PRELIMINARY, NOT FOR CONSTRUCTION