

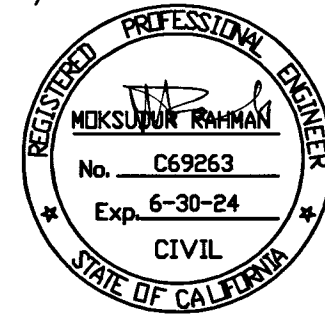
ENGINEER OF WORK'S DESIGN CERTIFICATION

I, MOKSUDUR RAHMAN, HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE, AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, OVER THE ENGINEERING DESIGN OF THIS PROJECT AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

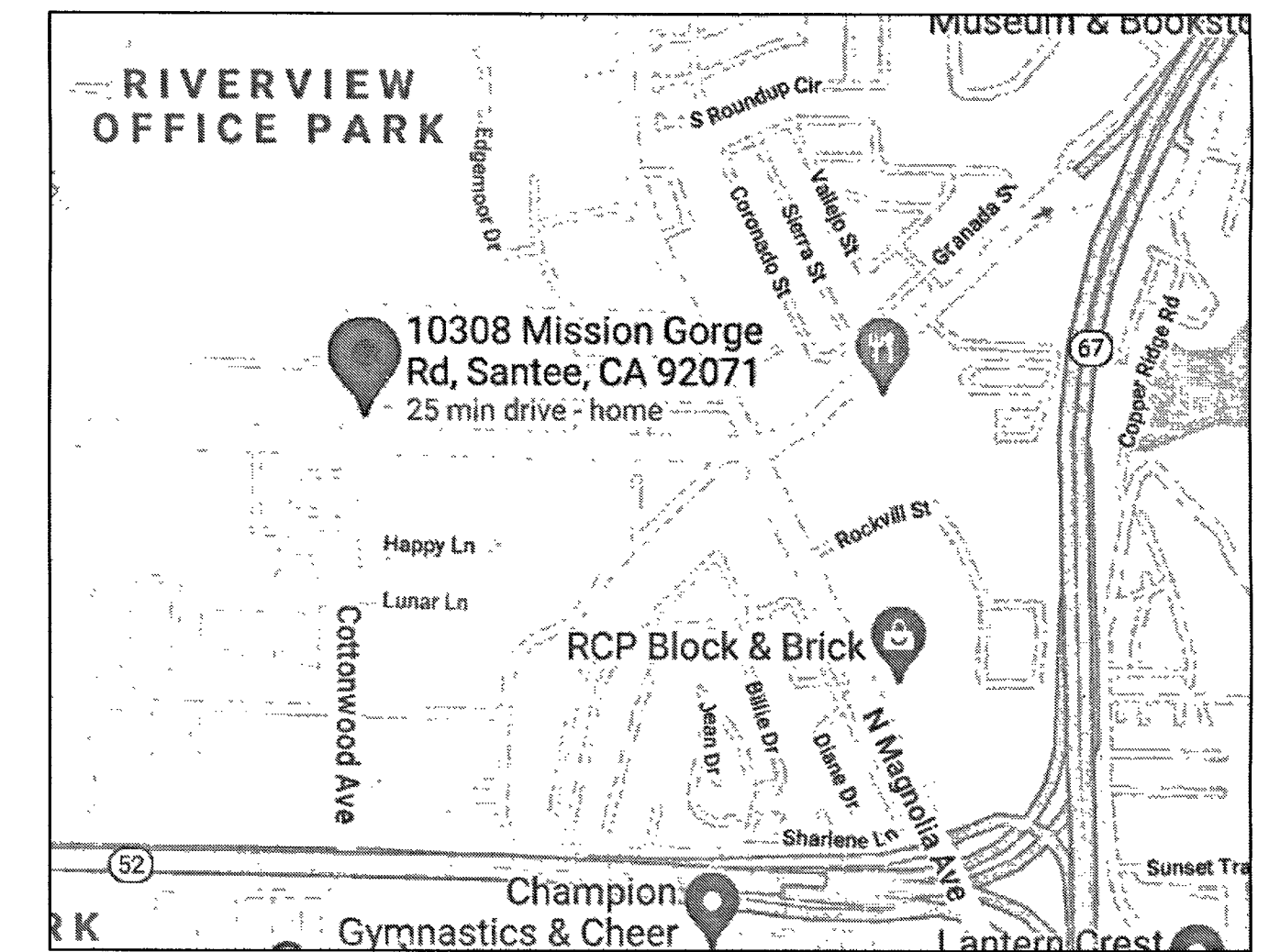
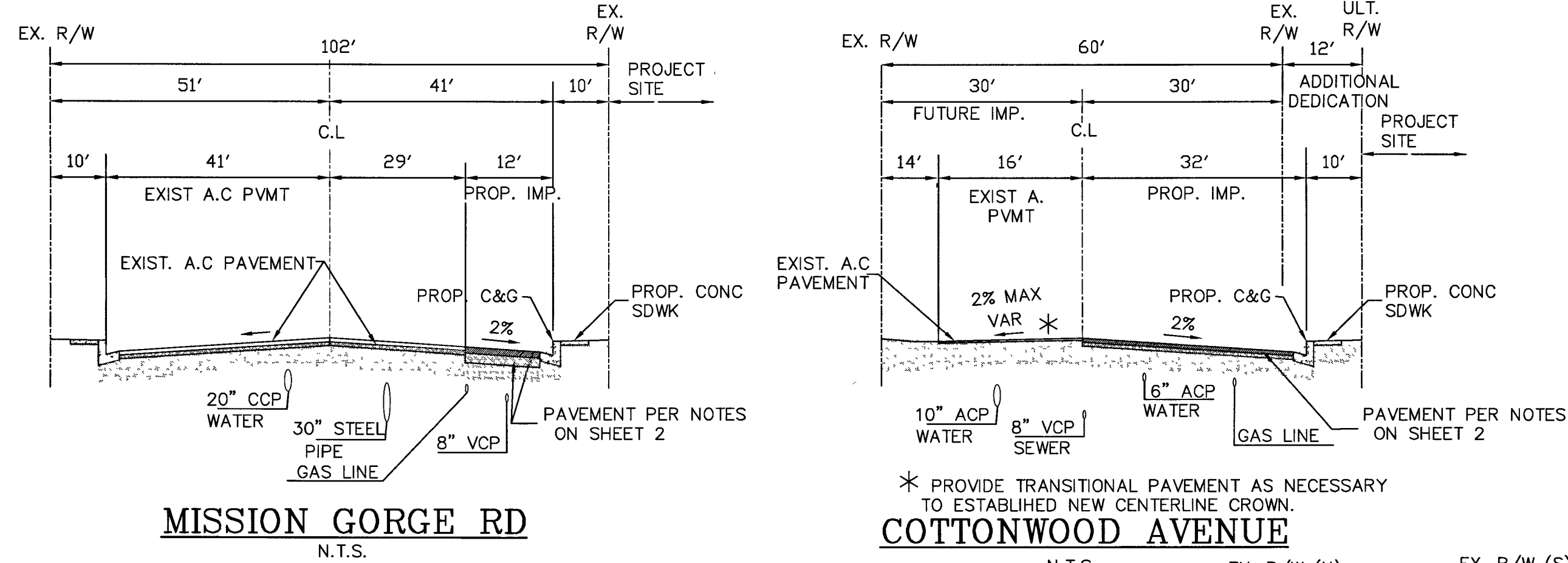
I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SANTEE IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS THE ENGINEER OF WORK OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

I FURTHER UNDERSTAND THAT UPON APPROVAL OF THESE PLANS BY THE CITY ENGINEER, THE PLANS BECOME THE PROPERTY OF THE CITY OF SANTEE IN ACCORDANCE WITH THE CITY PUBLIC WORKS STANDARDS. AS SUCH, I HEREBY RELINQUISH RIGHT OF OWNERSHIP TO THE CITY TO USE THESE PLANS AS THEY MAY DEEM NECESSARY.

SIGNED: [Signature] DATE: 03/27/2024
 REGISTRATION NO. C69263, MY REGISTRATION EXPIRES ON 6/30/24
 FIRM: RAHMAN ENGINEERING SERVICES, INC
 ADDRESS: 13611 12TH ST., UNIT B
 CHINO, CA. 91710
 TELEPHONE: (213) 400-8078



POPEYES FAST FOOD RESTAURANT STREET IMPROVEMENT PLAN

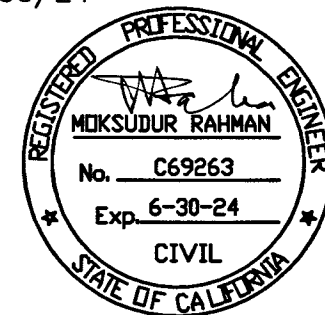


VICINITY MAP
N.T.S.

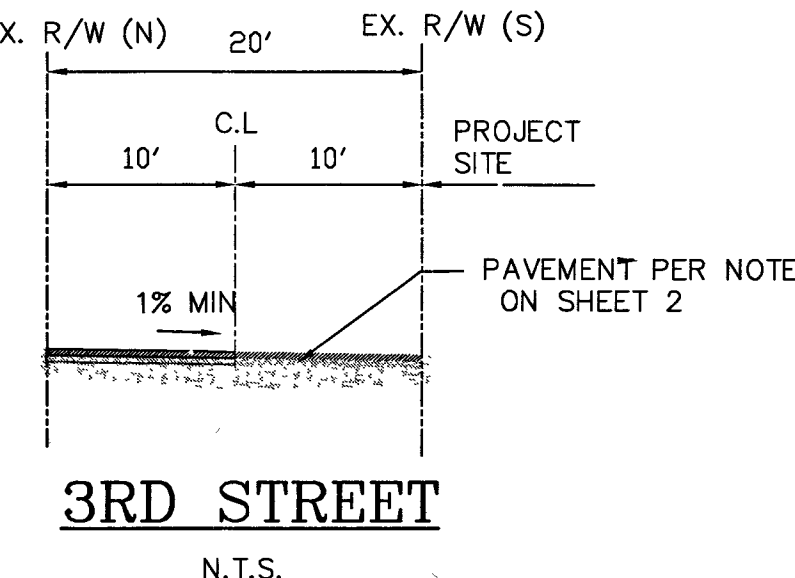
ENGINEER OF WORK'S RECORD DRAWING CERTIFICATION

I, MOKSUDUR RAHMAN, A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA, HEREBY DECLARE THAT I HAVE EXERCISED RESPONSIBLE CHARGE, AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, OVER THE PREPARATION OF THE ENGINEERING PORTION OF THE RECORD DRAWINGS AND THAT THE INFORMATION SHOWN IS BASED ON AN INVESTIGATION AND SURVEY OF THE IMPROVEMENTS BETWEEN THE DATES OF AND TO THE BEST OF MY KNOWLEDGE AND EXPERIENCE THE INFORMATION SHOWN ON THESE PLANS PROVIDE AN ACCURATE AND CORRECT REPRESENTATION OF THE AS-BUILT CONDITIONS.

SIGNED: [Signature] DATE: 03/27/2024
 REGISTRATION NO. C69263, MY REGISTRATION EXPIRES ON 6/30/24
 FIRM: RAHMAN ENGINEERING SERVICES, INC
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TYPICAL STREET CROSS SECTIONS



3RD STREET
N.T.S.

SHEET INDEX

NO.	DESCRIPTION
1 OF 6	TITLE SHEET
2 OF 6	GENERAL NOTES
3 OF 6	STREET IMPROVEMENT PLAN
4 OF 6	STREET IMPROVEMENT PLAN
5 OF 6	TRAFFIC SIGNAL PLAN
6 OF 6	SIGNING AND STRIPING PLAN

ADDRESS

10308 MISSION GORGE RD
SANTEE, CA 92071

OWNER'S ACCEPTANCE

I, DAVID BESHAY, AS OWNER OF THE PROPERTY DESCRIBED HEREON ACKNOWLEDGE THESE PLANS HAVE BEEN PREPARED AT MY DIRECTION AND WITH MY FULL CONSENT. I UNDERSTAND ALL CONSTRUCTION MUST CONFORM TO CURRENT CITY STANDARDS AND BE COMPLETED IN ACCORDANCE WITH THESE PLANS. ANY CHANGES TO THE WORK MUST BE APPROVED IN ADVANCE, IN ACCORDANCE WITH THE CITY'S CONSTRUCTION CHANGE POLICY. I AGREE TO REMOVE AND RECONSTRUCT AT MY COST ANY WORK NOT COMPLETED IN STRICT ACCORDANCE WITH THESE PLANS OR ANY CONSTRUCTION CHANGES APPROVED INCIDENTAL THERETO.

SIGNED: [Signature] DATE: 4/5/2024

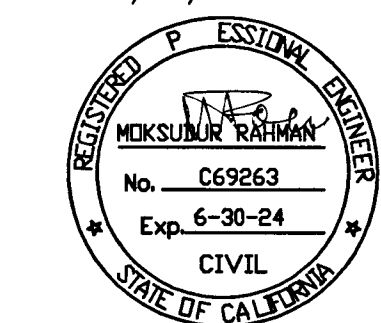
ADDRESS: 41760 IVY ST., SUITE 201
MURRIETA, CA 92562
TELEPHONE: 951-322-4066

ENGINEER OF WORK'S DESIGN CERTIFICATION

I, MOKSUDUR RAHMAN, HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE, AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, OVER THE ENGINEERING DESIGN OF THIS PROJECT AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

II ACKNOWLEDGE THAT PADRE DAM IS NOT LIABLE FOR THE DESIGN OF THIS PROJECT IN ANY WAY. PADRE DAM MWD'S REVIEW OF THE APPLICABLE PROJECT DRAWINGS AND SPECIFICATIONS IS CONFINED TO A REVIEW FOR CONFORMANCE WITH THE RELEVANT STANDARDS ONLY. PADRE DAM MWD'S REVIEW DOES NOT IN ANY WAY RELIEVE ME OF FULL RESPONSIBILITY FOR PROJECT DESIGN, INCLUDING CONSIDERATIONS REGARDING THE OPERATIONS AND MAINTENANCE OF THE FACILITIES.

SIGNED: [Signature] DATE: 03/27/2024
 REGISTRATION NO. C69263, MY REGISTRATION EXPIRES ON 6/30/24
 FIRM: RAHMAN ENGINEERING SERVICES, INC
 ADDRESS: 13611 12TH ST., UNIT B
 CHINO, CA. 91710
 TELEPHONE: (213) 400-8078



BASIS OF BEARING

THE BASIS OF BEARING IS THE CENTERLINE OF MISSION GORGE ROAD BEING N88°16'48"W.

FIRE FLOW REQUIREMENTS

2,448 GPM PER FIRE FLOW TEST DATED 10/30/2023

ASSESSOR PARCEL NUMBERS

384-109-21

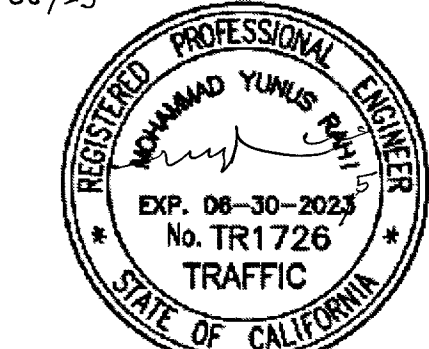
TRAFFIC ENGINEER DESIGN CERTIFICATION

I, MOHAMMAD YUNUS RAHI, HEREBY DECLARE THAT I AM THE TRAFFIC ENGINEER FOR THIS PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE, AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, OVER THE ENGINEERING DESIGN OF THIS PROJECT AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS.

I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SANTEE IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME AS THE ENGINEER OF WORK OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

I FURTHER UNDERSTAND THAT UPON APPROVAL OF THESE PLANS BY THE CITY ENGINEER, THE PLANS BECOME THE PROPERTY OF THE CITY OF SANTEE IN ACCORDANCE WITH THE CITY PUBLIC WORKS STANDARDS. AS SUCH, I HEREBY RELINQUISH RIGHT OF OWNERSHIP TO THE CITY TO USE THESE PLANS AS THEY MAY DEEM NECESSARY.

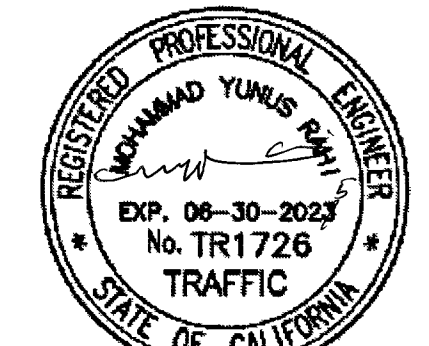
SIGNED: [Signature] DATE: 4/1/2024
 REGISTRATION NO. TR1726, MY REGISTRATION EXPIRES ON 06/30/25
 FIRM: TRAFFIC DESIGN, INC
 ADDRESS: 862 CANTERBURY LN
 SAN DIMAS, CA. 91773
 TELEPHONE: 626-826-7560



TRAFFIC ENGINEER RECORD DRAWING CERTIFICATION

I, MOHAMMAD YUNUS RAHI, A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA, HEREBY DECLARE THAT I HAVE EXERCISED RESPONSIBLE CHARGE, AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, OVER THE PREPARATION OF THE ENGINEERING PORTION OF THE RECORD DRAWINGS AND THAT THE INFORMATION SHOWN IS BASED ON AN INVESTIGATION AND SURVEY OF THE IMPROVEMENTS BETWEEN THE DATES OF AND TO THE BEST OF MY KNOWLEDGE AND EXPERIENCE THE INFORMATION SHOWN ON THESE PLANS PROVIDE AN ACCURATE AND CORRECT REPRESENTATION OF THE AS-BUILT CONDITIONS.

SIGNED: [Signature] DATE: 4/1/2024
 REGISTRATION NO. TR 1726, MY REGISTRATION EXPIRES ON 06/30/25
 FIRM: TRAFFIC DESIGN, INC
 ADDRESS: 862 CANTERBURY LN
 SAN DIMAS, CA. 91773
 TELEPHONE: 626-826-7560



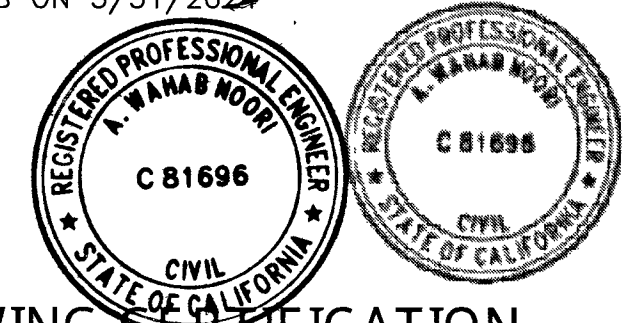
SOILS ENGINEER CERTIFICATION

I, A. WAHAB NOORI, A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA, PRINCIPALLY DOING BUSINESS IN THE FIELD OF APPLIED SOIL MECHANICS, HEREBY CERTIFY THAT A SAMPLING AND STUDY OF THE SOIL CONDITIONS PREVALENT WITHIN THIS SITE WAS MADE BY ME OR UNDER MY DIRECTION BETWEEN THE DATES 1-5-24 AND 2-19-24. THREE COMPLETE COPIES OF THE SOILS REPORT COMPLIED FROM WITH MY RECOMMENDATIONS, HAS BEEN SUBMITTED TO THE OFFICE OF THE DIRECTOR OF DEVELOPMENT SERVICES.

I HAVE REVIEWED THE PROJECT DESIGN AND THE GRADING SHOWN HEREON IS CONSISTENT WITH THE RECOMMENDATIONS CONTAINED IN THE APPROVED SOILS AND GEOTECHNICAL REPORTS FOR THE PROJECT.

I FURTHER UNDERSTAND THAT UPON APPROVAL OF THESE PLANS BY THE CITY ENGINEER, THE PLANS BECOME THE PROPERTY OF THE CITY OF SANTEE IN ACCORDANCE WITH THE CITY PUBLIC WORKS STANDARDS. AS SUCH, I HEREBY RELINQUISH RIGHT OF OWNERSHIP TO THE CITY TO USE THESE PLANS AS THEY MAY DEEM NECESSARY.

SIGNED: [Signature] DATE: 4-2-2024
 REGISTRATION NO. C81696, MY REGISTRATION EXPIRES ON 3/31/2024
 FIRM: GEODYNE ENGINEERING, INC
 ADDRESS: 445 POST
 IRVINE, CALIFORNIA 92618
 TELEPHONE: (949) 636-8316

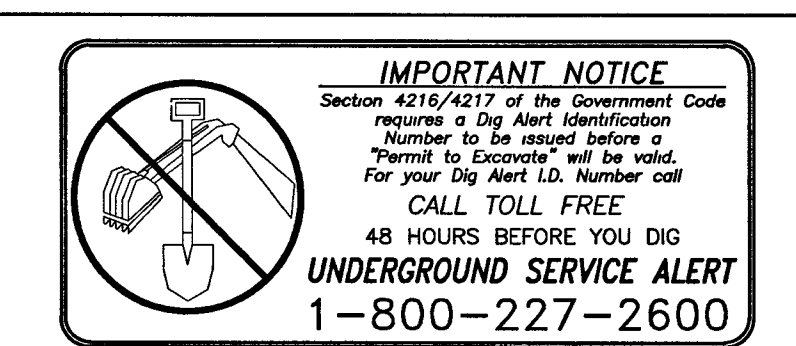


LEGAL DESCRIPTION

THE LAND REFERRED TO HEREIN BELOW IS SITUATED IN THE COUNTY OF SAN DIEGO, STATE OF CALIFORNIA AND IS DESCRIBED AS FOLLOWS:

ALL OF LOTS 7 THROUGH 11, INCLUSIVE IN BLOCK 7 OF SANTEE, IN THE CITY OF SANTEE, COUNTY OF SAN DIEGO, STATE OF CALIFORNIA, ACCORDING TO MAP THEREOF NO. 1484, FILED IN THE OFFICE OF THE COUNTY RECORDER OF SAN DIEGO COUNTY, OCTOBER 14, 1912.

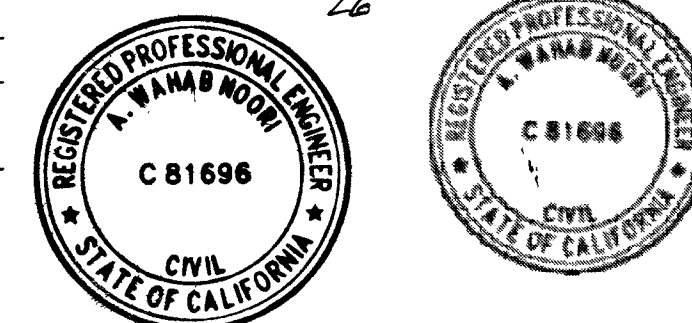
EXCEPTING THEREFROM THE SOUTHERLY 11.00 FEET; TOGETHER WITH THAT PORTION OF SAID LOT 7 LYING SOUTHWESTERLY OF THE ARC OF A 25.00 FOOT RADIUS CURVE, CONCAVE NORTHEASTERLY, SAID CURVE BEING TANGENT TO THE WESTERLY LINE OF SAID LOT 7 AND TANGENT TO THE NORTHERLY LINE OF THE SOUTHERLY 11.00 FEET OF SAID LOT 7.



SOILS ENGINEER RECORD DRAWING CERTIFICATION

I, A. WAHAB NOORI, A REGISTERED CIVIL ENGINEER IN THE STATE OF CALIFORNIA, HEREBY DECLARE THAT I HAVE EXERCISED RESPONSIBLE CHARGE, AS DEFINED IN SECTION 6703 OF THE BUSINESS AND PROFESSIONS CODE, OVER THE GEOTECHNICAL ASPECTS OF THE GRADING OF THIS PROJECT. TO THE BEST OF MY KNOWLEDGE AND EXPERIENCE THE GRADING CONFORMS WITH THE RECOMMENDATIONS CONTAINED IN THE SOILS REPORTS AND PLANS WITH THE EXCEPTION THAT ANY CHANGES OR DEVIATIONS FROM THE PLANS DUE TO UNFORESEEN FIELD CONDITIONS HAVE BEEN IDENTIFIED IN THE FINAL SOILS REPORT FOR THE PROJECT.

SIGNED: [Signature] DATE: 4-2-2024
 REGISTRATION NO. C81696, MY REGISTRATION EXPIRES ON 3/31/2024
 FIRM: GEODYNE ENGINEERING, INC
 ADDRESS: 445 POST
 IRVINE, CALIFORNIA 92618
 TELEPHONE: (949) 636-8316



APPROVED BY: [Signature] DATE: 4/9/24
 DIRECTOR OF ENGINEERING & PLANNING
 RCE NO. 71593 DATE: 12/31/24
 EXP. DATE: 12/31/24
 POPPEY'S SANTEE PD/MDW PROJECT/FILE NAME: 223008 WSA SERVICE AREA

CITY OF SANTEE	
FIRE DEPARTMENT	<u>[Signature]</u> DATE: <u>4-17-24</u>
FIRE MARSHAL	
COMMUNITY SERVICES DEPARTMENT	<u>[Signature]</u> DATE: <u>4-11-24</u>
PUBLIC SERVICES MANAGER	
ENGINEERING DIVISION	<u>[Signature]</u> DATE: <u>3/11/2024</u>
CITY ENGINEER	
PLANNING DIVISION	<u>[Signature]</u> DATE: <u>4/11/2024</u>
PROJECT PLANNER	
TRAFFIC ENGINEERING DIVISION	<u>[Signature]</u> DATE: <u>4/11/2024</u>
PRINCIPAL TRAFFIC ENGINEER	

CONSTRUCTION RECORD	REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	CITY W/O NO	DRAWING NO
CONTRACTOR: _____	MISSION GORGE RD IMPROVEMENTS, N2003-DOB					THE BENCHMARK FOR THIS SURVEY IS STATION #2107 PER RECORD OF SURVEY NO. 11252. A STANDARD STREET WELL MONUMENT WITH BRASS DISC MARKED "30 00 ENGR DEPT SURV MON" LOCATED AT THE INTERSECTION OF MISSION GORGE ROAD AND COTTONWOOD AVE. ELEVATION = 348.74 FEET (NGVD 29)	HORIZ AS SHOWN	FR	FR	<u>[Signature]</u>	<u>4/10/24</u>	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	IP2023-01	2023-189
INSPECTOR: _____	COTTONWOOD AVE IMPROVEMENTS, R90065-RS 2008						VERT AS SHOWN	FR	FR	<u>[Signature]</u>	<u>04/23/24</u>	IMPROVEMENT PLAN FOR	DEPARTMENT OF DEVELOPMENT SERVICES		
DATE COMPLETED: _____	COTTONWOOD AVE IMPROVEMENTS, SEWER PLAN							RCE NO. C69263			<u>6/30/24</u>	POPEYES FAST FOOD RESTAURANT	DEPARTMENT OF DEVELOPMENT SERVICES		
	COTTONWOOD AVE IMPROVEMENTS, WATER PLAN												DEPARTMENT OF DEVELOPMENT SERVICES		

POPEYES RESTAURANT IMPROVEMENT PLAN

GENERAL NOTES

- AN ENCROACHMENT PERMIT SHALL BE OBTAINED FROM THE DEPARTMENT OF DEVELOPMENT SERVICES PRIOR TO THE START OF ANY CONSTRUCTION WITHIN THE LIMITS OF THE PUBLIC RIGHT-OF-WAY INCLUDING BUT NOT LIMITED TO UTILITY CONNECTIONS OR GRADING.
- ACCEPTANCE OF THESE IMPROVEMENTS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
- ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, TESTED AND CONNECTED PRIOR TO CONSTRUCTION OF BERMS, CURBS, CROSS-GUTTERS, SIDEWALKS OR FINAL PAVING.
- LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. THE OWNER SHALL BE RESPONSIBLE FOR MAKING EXPLORATORY EXCAVATIONS AND LOCATING EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO ALLOW FOR REVISIONS TO PLANS OF REVISIONS ARE NECESSARY BECAUSE OF CHANGES IN LINE OR GRADE DUE TO THE ACTUAL LOCATION OF THE EXISTING FACILITIES.
- THE CONTRACTOR SHALL NOTIFY DIG ALERT 24 HOURS PRIOR TO STARTING WORK AND SHALL COORDINATE HIS WORK WITH UTILITY COMPANY REPRESENTATIVES.
- IT SHALL BE THE RESPONSIBILITY OF THE OWNER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS, AND BEAR THE COST OF RELOCATIONS, IF NEEDED. NOTICE OF PROPOSED WORK SHALL BE GIVEN TO THE FOLLOWING AGENCIES:

SAN DIEGO GAS & ELECTRIC	1-800-336-7343
AT&T	1-800-422-4133
COX COMMUNICATIONS	619-263-5793
PADRE DAM MUNICIPAL WATER DISTRICT	619-258-4600
- POWER SOURCES AND RUNS SERVING STREET LIGHTS SHALL BE SHOWN ON THE AS-BUILT IMPROVEMENT DRAWINGS. ALL SOURCES SHALL BE LOCATED WITH THE DEDICATED RIGHT-OF-WAY, OR WITHIN EASEMENTS DEDICATED TO THE CITY OF SANTEE.
- FINAL PAVING SHALL NOT BE PERFORMED UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED AND ALL REMEDIAL CONCRETE REPLACEMENT HAS BEEN CORRECTED.
- CITY OF SANTEE - INSPECTION REQUIREMENTS:
 - CONTRACTOR SHALL INFORM THE CITY PROJECT ENGINEER 48 HRS. IN ADVANCE OF COMMENCING WORK. PHONE (619) 258-4100.
 - THE CONTRACTOR SHALL GIVE A MINIMUM OF 24 HRS. NOTICE ON REQUESTS FOR INSPECTION. PHONE (619) 258-4100 x 168.
 - ALL WORK PERFORMED WITHOUT THE BENEFIT OF INSPECTION IS SUBJECT TO REMOVAL REPLACEMENT AT THE CONTRACTOR'S EXPENSE.
- THE DEPARTMENT OF DEVELOPMENT SERVICES WILL REMOVE STREET NAME SIGNS WHEN CONDITIONS DICTATE. CONTRACTOR SHALL PROTECT AND ASSUME RESPONSIBILITY FOR ALL OTHER TRAFFIC CONTROL DEVICES. CONTRACTOR SHALL REPLACE TRAFFIC STRIPING, STREET MARKINGS, AND CURB MARKINGS REMOVED OR DAMAGED BY HIS WORK.
- SIDEWALK JOINT LOCATIONS SHALL BE INSTALLED IN ACCORDANCE WITH REGIONAL STANDARD DRAWING NO. G-9. CURB OR CURB AND GUTTER JOINT LOCATIONS SHALL INCLUDE EXPANSION JOINTS AT CURB RETURNS, ADJACENT TO STRUCTURES AND AT 45 FOOT INTERVALS. WEAKENED PLANE JOINTS SHALL BE INSTALLED AT DRIVEWAY LOCATIONS AND AT 15 FOOT INTERVALS BETWEEN EXPANSION JOINTS. ALL CONCRETE JOINTS SHALL CONFORM TO REGIONAL STANDARD DRAWING NO. G-10.
- SIDEWALKS AND BIKEPATHS ARE DESIGNED TO HAVE CLEAR UNOBSTRUCTED ACCESS. STREET LIGHTS, FIRE HYDRANTS, METER BOXES, TRANSFORMERS, UTILITY VAULTS, PULL BOXES, BLOWOFFS, AIR VENTS OR OTHER SIMILAR AT-GRADE AND ABOVE-GRADE FACILITIES SHALL BE LOCATED A MINIMUM OF 18-INCHES FROM ALL SIDEWALKS AND BIKEPATHS.
- THE OWNER IS RESPONSIBLE FOR ENSURING ADEQUACY OF DESIGN AND CONSTRUCTION IN ACCORDANCE WITH THE SPECIFIED GENERAL STANDARDS OF CONSTRUCTION LISTED HEREON, AND TO PROTECT THE WORK AT ALL TIMES DURING THE COURSE OF CONSTRUCTION. FAILED OR DAMAGED WORK SUCH AS CRACKED SIDEWALKS, CURB AND GUTTER, CROSS GUTTERS, DRIVEWAY APRONS AND SO FORTH, SHALL BE REPLACED TO THE NEAREST JOINT OR SCORE LINE IN EACH DIRECTION PRIOR TO PLACEMENT OF THE FINAL PAVEMENT COURSE AND FINAL ACCEPTANCE OF THE WORK BY THE CITY.
- ACCEPTANCE OF THESE PLANS BY THE CITY OF SANTEE IS VALID FOR ONE YEAR FROM THE DATE OF ACCEPTANCE. FAILURE TO COMMENCE CONSTRUCTION WITHIN ONE YEAR VOIDS ACCEPTANCE OF THESE PLANS.

STORMWATER POLLUTION PREVENTION NOTES:

- APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED AT ALL TIMES.
- THE TOPS OF ALL SLOPES SHALL HAVE A DIKE OR TRENCH TO PREVENT WATER FROM FLOWING OVER THE CRESTS OF SLOPES.
- CLEAN GRAVEL ONLY WILL BE USED IN GRAVEL BAGS.
- CATCH BASINS, DESILTING BASINS, GRAVEL BAGS, CHECK DAMS AND STORM DRAIN SYSTEMS SHALL BE INSTALLED TO THE SATISFACTION OF THE CITY ENGINEER. THESE FACILITIES SHALL BE CLEANED ON A REGULAR BASIS, AND KEPT FREE OF SOIL ACCUMULATION.
- GRAVEL BAG CHECK DAMS SHALL BE PLACED IN UNPAVED AREAS WITH GRADIENTS IN EXCESS OF 2%, IN OTHER GRADED OR EXCAVATED AREAS AS REQUIRED BY THE DEPARTMENT OF DEVELOPMENT SERVICES, AND AT OR NEAR EVERY POINT WHERE CONCENTRATED FLOWS LEAVE THE DEVELOPMENT.
- GRAVEL BAGS SHALL BE PLACED ON THE UPSTREAM SIDE OF ALL DRAINAGE INLETS TO MINIMIZE SILT BUILDUP IN THE INLETS AND PIPES.
- THE CONTRACTOR SHALL IMMEDIATELY REPAIR ANY ERODED SLOPES.
- ROADWAYS AND ENTRANCES TO AND FROM THE SITE SHALL BE SWEEPED ON A REGULAR BASIS TO KEEP THEM FREE OF SOIL ACCUMULATION.
- CONTRACTOR SHALL HAVE WATER TRUCKS AND EQUIPMENT ON-SITE TO MINIMIZE AIRBORNE DUST CREATED FROM GRADING AND HAULING OPERATIONS OR EXCESSIVE WIND CONDITIONS. WATERING SHALL BE PERFORMED ON A CONTINUOUS BASIS ANY TIME THESE CONDITIONS ARE PRESENT AND AT ALL OTHER TIMES AS DIRECTED BY THE CITY ENGINEER. ADDITIONAL DUST CONTROL MEASURES SHALL BE IMPLEMENTED AS NEEDED.

IMPROVEMENT PLAN NOTES

STORMWATER POLLUTION PREVENTION NOTES:

- STOCKPILES SHALL BE COVERED AT THE END OF EACH WORKING DAY AND PRIOR TO PREDICTED RAIN EVENTS. ASPHALT SHALL BE STORED ON A LAYER OF PLASTIC SHEETING, OR EQUIVALENT.
- ALL PORTABLE TOILETS SHALL HAVE A SECONDARY CONTAINMENT AND NOT BE LOCATED NEAR A STORM DRAIN (I.E. CATCH BASIN OR STREET).
- INACTIVE SLOPES SHALL BE PROTECTED AND STABILIZED WITHIN 10 CALENDAR DAYS OF LAST BEING WORKED, OR ON THE DIRECTION OF THE CITY. ACTIVE SLOPES SHALL BE STABILIZED DURING RAIN.
- EROSION CONTROL ON SLOPES SHALL BE MITIGATED BY INSTALLING LANDSCAPING AS PER APPROVED LANDSCAPE PLANS AS REQUIRED BY THE DEVELOPMENT REVIEW CONDITIONS, OR BY TEMPORARY EROSION CONTROL CONFORMING TO THE FOLLOWING:

NON-IRRIGATED HYDROSEED MIX

LBS. PER ACRE	% PURITY PER ACRE	SEED SPECIES
20	70% PLS.	ATRIPLAX GLAUCA
50		PLANTAGE INSULARIS
8		CECELIS FARINOSA
6	SCARIFIED	LOTUS SCOPARIUS
7	50% PLS.	EXCHSCHOLTZIA CALIF.
91 LBS.		

PAVING NOTES:

- A MINIMUM OF SEVEN DAYS PRIOR TO THE PLACEMENT OF ROADWAY BASE MATERIAL THE CONTRACTOR SHALL SUBMIT A CERTIFIED SOILS REPORT FROM A REGISTERED CIVIL OR GEOTECHNICAL ENGINEER CERTIFYING ALL ROADWAY AND UTILITY TRENCHING HAS BEEN COMPACTED TO THE MINIMUM REQUIREMENTS SPECIFIED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE RECOMMENDATIONS CONTAINED IN THE PROJECT'S SOILS REPORT.
- A FINAL PAVEMENT STRUCTURAL SECTION DESIGN SHALL BE SUBMITTED TO THE CITY ENGINEER FOR APPROVAL. A MINIMUM OF TEN DAYS PRIOR TO PLACEMENT OF BASE MATERIAL. THE DESIGN REPORT SHALL CONFORM TO CITY FORM 435 - PAVEMENT DESIGN AND R-VALUE TEST SUBMITTAL PROCEDURES. THE DESIGN SHALL ADHERE TO THE METHODOLOGY SET FORTH IN CHAPTER 600 OF THE CALTRANS HIGHWAY DESIGN MANUAL AND UTILIZE THE "R" VALUE METHOD. DESIGN SHALL BE SUBMITTED IN REPORT FORM AND MUST INCLUDE ALL SUPPORTING CALCULATIONS AND TEST RESULTS. THE "R" VALUE TESTS SHALL BE CONDUCTED IN ACCORDANCE WITH CALIFORNIA TEST NO. 301 AND SHALL BE PERFORMED BY A REGISTERED CIVIL ENGINEER WHOSE PRIMARY PROFESSIONAL ACTIVITY IS PERFORMING SUCH TESTS. THE NUMBER AND LOCATION OF R-VALUE TESTS SHALL BE COORDINATED WITH THE CITY PROJECT INSPECTOR AND BE SUBJECT TO APPROVAL OF THE CITY PROJECT ENGINEER.
- THE FOLLOWING MINIMUM STRUCTURAL THICKNESS ARE BASED ON AN R-VALUE OF 30. TRAFFIC INDEXES ARE BASED ON CITY PUBLIC WORKS STANDARDS AND SHALL BE USED FOR PAVEMENT DESIGN BASED ON ACTUAL R-VALUES OBTAINED AT TIME OF CONSTRUCTION.

STREET NAME SECTION	TRAFFIC INDEX	ANTICIPATED STRUCTURAL
A. MISSION GORGE RD	8.5	4" AC / 12" AB
B. COTTONWOOD AVE	8.0	5" AC / 9" AB
C. 3RD STREET	4.5	2.5" AC / 6" AB

THE MINIMUM SECTIONS LISTED ABOVE ARE FOR ESTIMATION AND DESIGN PURPOSES ONLY AND ARE SUBJECT TO CHANGE FOLLOWING SUBMITTAL OF THE FINAL PAVEMENT DESIGN REPORT.

ASPHALT CONCRETE SHALL CONFORM TO ALL PROVISIONS OF SECTION 39 OF THE CURRENT CALTRANS STANDARD SPECIFICATIONS. SURFACE COURSE SHALL BE A MINIMUM THICKNESS IS 2 INCHES. MAXIMUM THICKNESS IS 3 INCHES. ASPHALT CONCRETE SECTIONS GREATER THAN 3 INCHES SHALL CONTAIN A BASE COURSE OF ASPHALT, A MINIMUM THICKNESS OF 2 INCHES.

ACCEPTED UNTREATED BASE MATERIALS INCLUDE:

- PER SECTION 200-2.2 CRUSHED AGGREGATE BASE
- PER SECTION 200-2.4 CRUSHED MISCELLANEOUS BASE CLASS 2 - AGGREGATE BASE

PROCESSED MISCELLANEOUS BASE PER THE GREEN BOOK AND CALTRANS CLASS 2 RECYCLED BASE ARE NOT PERMITTED.

ACCEPTED ASPHALT BASE COURSE MIXES INCLUDE:

PER CALTRANS 39 PG 64-10 - 3/4" MAXIMUM, COARSE

ACCEPTED ASPHALT SURFACE COURSE MIXES INCLUDE:

PER CALTRANS 39 PG 64-10 - 1/2" MAXIMUM, COARSE

UTILITY COORDINATION NOTES:

THESE PLANS CONTAIN MEANDERING BIKE AND PEDESTRIAN PATHS. THE LOCATION OF ALL ABOVE GROUND AND AT GRADE UTILITIES SHALL BE COORDINATED WITH THE MEANDERING PATH. NO ABOVE GROUND FACILITY SHALL BE LOCATED WITHIN TWO FEET OF THE PATH (PREFERRED MINIMUM IS THREE FEET). ACTUAL LOCATION OF FACILITIES IS SUBJECT TO APPROVAL BY THE CITY ENGINEER PRIOR TO ISSUANCE OF A CONSTRUCTION / ENCROACHMENT PERMIT. ALL ABOVE GROUND FACILITIES SHALL BE PAINTED WITH AMERON AMERSHIELD RAPID RESPONSE RT1405 PAINT IN ACCORDANCE WITH THE MANUFACTURERS SPECIFICATIONS.

PADRE DAM GENERAL NOTES:

- CONTRACTORS SHALL NOTIFY THE DISTRICT TWO WORKING DAYS PRIOR TO COMMENCING WORK, TELEPHONE (619) 258-4635.
- ALL UNDERGROUND UTILITIES AND LATERALS TO BE INSTALLED BEFORE CONSTRUCTION OF CURBS, OR CONCRETE CROSS GUTTERS, OR SURFACING OF STREETS.
- CONTRACTORS SHALL VERIFY LOCATIONS AND MAINTAIN ALL EXISTING WATER AND SEWER UTILITIES DURING CONSTRUCTION; BE RESPONSIBLE FOR ANY DAMAGE TO EXISTING WATER OR SEWER MAINS ON SITE AS A RESULT OF THEIR OPERATIONS; AND HAVE ON SITE, SUFFICIENT PIPELINE MATERIALS AND EQUIPMENT TO IMMEDIATELY REPAIR ANY DAMAGE TO THE EXISTING WATER, SEWER, OR RECYCLED WATER FACILITIES.
- CONTRACTOR SHALL UNCOVER LOCATION OF CONNECTIONS PRIOR TO BEGINNING INSTALLATION TO INSURE CONFORMANCE WITH LINES AND GRADES SHOWN ON THE PLANS. ANY DISCREPANCIES SHALL BE BROUGHT TO THE ATTENTION OF THE DIRECTOR OF ENGINEERING AND PLANNING PRIOR TO PROCEEDING.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR RELOCATION OR ADJUSTMENT OF ANY NEW OR EXISTING SEWER, RECYCLED WATER, OR POTABLE WATER SERVICE APPURTENANCES, MANHOLES, GATE VALVE COVERS, OR METER BOXES TO NEW FINISH GRADE.
- WORK IN ROADWAY SHALL COMPLY COMPLETELY WITH THE REQUIREMENTS OF THE COUNTY OR CITY. APPROPRIATE CONTRACTOR'S LICENSE REQUIRED.
- DEVELOPER SHALL PROVIDE, AT DEVELOPER'S EXPENSE, SUCH SOIL TESTING AND RETESTING AS DISTRICT MAY REQUIRE.
- VALVES THAT ARE DEEPER THAN 1.5M (5') MUST HAVE VALVE STEM RISERS.
- ALL FITTINGS ON PVC PIPE ARE TO BE MECHANICAL JOINT OR PUSH-ON TYPE.
- EXISTING VALVES (INCLUDING WET-TAP VALVES) ARE TO BE OPERATED BY DISTRICT PERSONNEL ONLY.
- THE GENERAL CONTRACTOR SHALL KEEP AND MAINTAIN A SIGNED SET OF IMPROVEMENT PLANS ON-SITE AT ALL TIMES FOR REVIEW BY THE DIRECTOR OF ENGINEERING AND PLANNING OR HIS REPRESENTATIVES. THE GENERAL CONTRACTOR'S SUPERINTENDENT IS REQUIRED TO UPDATE SAID PLANS WITH AS-BUILT INFORMATION ON A DAILY BASIS AS WORK IS PERFORMED.
- ALL WATER MAINS SHALL BE CONSTRUCTED AS SHOWN ON PLANS. POTABLE WATER MAINS SHALL HAVE A MINIMUM COVER OF 0.9M (36"). RECYCLED WATER MAINS SHALL HAVE A MINIMUM COVER OF 1.4M (54").
- WHERE A POTABLE WATER MAIN CROSSES UNDER A RECYCLED WATER OR SEWER, THE POTABLE WATER MAIN SHALL HAVE NO JOINTS WITHIN 10' OF THE CROSSING.
- WARNING TAPE AND TRACER WIRE MUST BE INSTALLED OVER ALL POTABLE WATER MAINS, RECYCLED WATER MAINS, WATER SERVICES, B.O.'S, AND AIR VALVES, PER DRAWINGS WP-01 AND WP-02.
- PAGE 2 OF 2 REVISED: 03/02/2020
- ALL POTABLE WATER LINE VALVE LIDS ARE TO BE PAINTED YELLOW. ALL FIRE HYDRANT VALVE LIDS ARE TO BE PAINTED WHITE. ALL RECYCLED WATER LINE VALVE LIDS ARE TO BE PAINTED PURPLE. ALL NORMALLY CLOSED VALVE LIDS ARE TO BE PAINTED RED.
- EACH LOT SHALL RECEIVE A 25MM (1") MINIMUM SIZE COPPER POTABLE WATER AND/OR RECYCLED WATER SERVICE. THE LOCATION SHALL BE AS SHOWN ON THESE PLANS AND SHALL BE CONSTRUCTED PERPENDICULAR TO THE CENTERLINE OF THE STREET. "AS CONSTRUCTED" LOCATIONS WITH STATIONS SHALL BE SHOWN ON THESE PLANS BY THE ENGINEER OF WORK PRIOR TO NOTICE OF COMPLETION.
- WATER METERS SHALL NOT BE PLACED IN DRIVEWAYS OR SIDEWALK. THE LETTER "W" SHALL BE STAMPED IN THE CURB AT ALL WATER LATERAL LOCATIONS. THE LETTER "W" SHALL BE STAMPED IN THE GUTTER WHEN THERE IS NO TYPE AG CURB.
- BACKFLOW PREVENTION
 - A DISTRICT APPROVED REDUCED PRESSURE BACKFLOW PREVENTION DEVICE MUST BE INSTALLED ON THE CUSTOMER'S SIDE OF ALL IRRIGATION METERS SERVED WITH POTABLE WATER, RESIDENTIAL ALL COMMERCIAL & INDUSTRIAL MULTI-FAMILY DWELLINGS, PROPERTIES SERVED WITH A SECOND WATER SOURCE SUCH AS WELLS OR RECYCLED WATER, AND ANY OTHER LOCATIONS REQUIRING CROSS-CONNECTION PROTECTION AS OUTLINED IN "TITLE 17" (ISSUED BY THE STATE DEPARTMENT OF PUBLIC HEALTH) AND THE DISTRICT'S CURRENT RULES AND REGULATIONS SECTION 5.4.
 - ALL NEW BACKFLOW PREVENTION ASSEMBLIES SHALL BE INSTALLED ACCORDING TO THE WATER AGENCY STANDARDS (WAS) INSTALLATION DRAWING #WR-01 OR IN ACCORDANCE TO THE ENGINEERING PLANS. AFTER THE BACKFLOW IS INSTALLED, CONTACT THE COMPLIANCE DEPARTMENT TO HAVE THE INSTALLATION INSPECTED. DO NOT COMPLETE ANY BACKFILLING OF THE PIPE OR BACKFLOW PRIOR TO INSPECTION. IF THE ASSEMBLY HAS BEEN BACKFILLED YOU WILL BE REQUIRED TO UNCOVER THE PIPING FROM THE METER BOX TO THE ASSEMBLY.

WORK TO BE DONE:

- STREET IMPROVEMENTS ALONG MISSION GORGE RD AND COTTONWOOD AVE.
- REMOVE AND RELOCATE EXISTING WATER METER
- REMOVE AND RELOCATE EXISTING BACKFLOW PREVENTER
- REMOVE AND RELOCATE EXISTING FIRE HYDRANT

GENERAL STANDARDS OF CONSTRUCTION

UNLESS OTHERWISE NOTED ON THE PLANS, ALL WORK SHALL CONFORM WITH THE FOLLOWING STANDARD SPECIFICATIONS AND DRAWINGS:

STANDARD SPECIFICATIONS:

- STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, LATEST EDITION.
- STANDARD SPECIAL PROVISIONS.
- CITY OF SANTEE PUBLIC WORKS STANDARDS, SEPTEMBER 1982.
- STANDARD SPECIFICATIONS OF THE PADRE DAM MUNICIPAL WATER DISTRICT, WATER AGENCY STANDARDS, W.A.S.
- CALIFORNIA STORMWATER QUALITY ASSOCIATION (CASQA), STORMWATER BEST MANAGEMENT PRACTICE HANDBOOK CONSTRUCTION, LATEST EDITION.
- CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), LATEST EDITION.

STANDARD DRAWINGS:

- CITY OF SANTEE STANDARD DRAWINGS.
- SAN DIEGO REGIONAL STANDARD DRAWINGS (S.D.R.S.D.) AS RECOMMENDED BY THE REGIONAL STANDARDS COMMITTEE, MAINTAINED AND PUBLISHED BY THE SAN DIEGO COUNTY DEPARTMENT OF PUBLIC WORKS, LATEST EDITION.
- STANDARD DRAWINGS OF THE PADRE DAM MUNICIPAL WATER DISTRICT, WATER AGENCY STANDARDS, W.A.S.

PADRE DAM GENERAL NOTES (CONT'D):

- ONCE THE ASSEMBLY PASSES INSPECTION YOU WILL NEED TO CALL A CERTIFIED BACKFLOW ASSEMBLY TESTER TO TEST THE DEVICE. A PARTIAL LIST CAN BE FOUND ON THE WEBSITE. COORDINATE THE TEST WITH THE COMPLIANCE DEPARTMENT SO THE METER CAN BE UNLOCKED AT THE SAME TIME AS THE TEST. THE METER WILL NOT BE UNLOCKED BEFORE A PASSING INSPECTION AND A PASSING TEST HAS BEEN COMPLETED.
- PLEASE ENSURE ALL TEST AND OR DEWATERING WATER IS CAPTURED AND CONTAINED ONSITE AS DISCHARGING NON-STORM (WATER NOT SOURCED FROM RAIN) WATER TO THE STORM DRAIN SYSTEM IS AN ILLEGAL DISCHARGE. FOR MORE INFORMATION PLEASE CONSULT YOUR LOCAL GOVERNING AGENCY. FOR ADDITIONAL INFORMATION, PLEASE CONTACT THE DISTRICTS COMPLIANCE SPECIALIST AT (619) 258-4731 OR VISIT [HTTPS://WWW.PADREDAM.ORG/288/BACKFLOW-TESTING](https://www.padredam.org/288/BACKFLOW-TESTING).
- THE SEWER LATERAL CONNECTION AT PROPERTY LINE IS TO BE INSPECTED AND APPROVED BY THE DISTRICT.
- EACH LOT WILL BE SERVED BY A 100MM (4") DIAMETER MINIMUM SIZE PVC SEWER LATERAL. LOCATION OF SEWER LATERAL SHALL BE AS SHOWN ON THESE PLANS. "AS CONSTRUCTED" LOCATIONS WITH STATIONS SHALL BE SHOWN ON THESE PLANS BY ENGINEER OF WORK PRIOR TO NOTICE OF COMPLETION BY THE DISTRICT.
- THE LETTER "S" SHALL BE STAMPED IN THE CURB AT ALL SEWER LATERAL LOCATIONS. THE LETTER "S" SHALL BE STAMPED IN THE GUTTER WHEN THERE IS NO TYPE AG CURB.

LEGEND

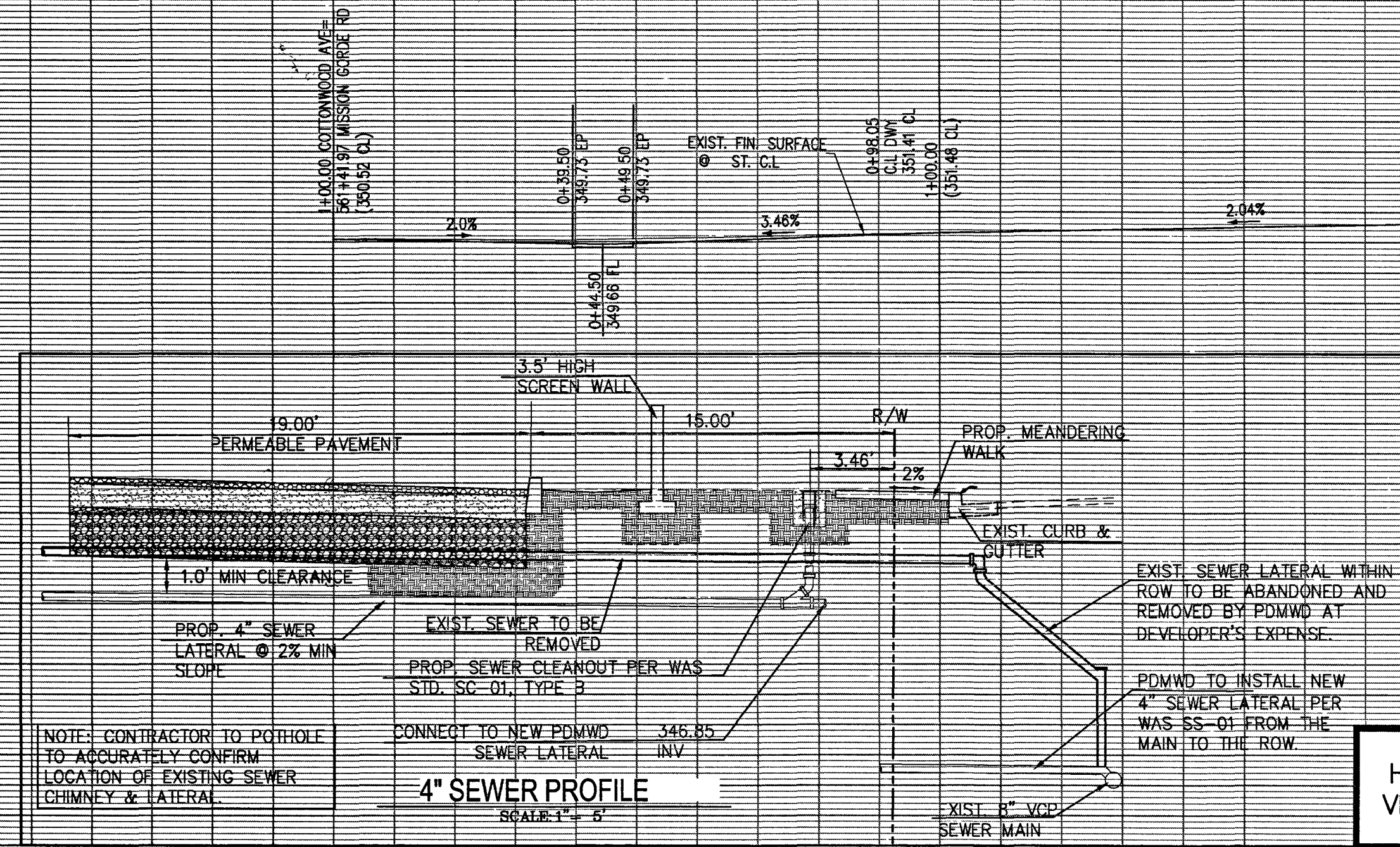
- STAMPED CONCRETE
- GRATE INLET
- CONCRETE SIDEWALK
- LANDSCAPE
- A.C. PAVEMENT

NOTE: RESOLUTION 140-2022

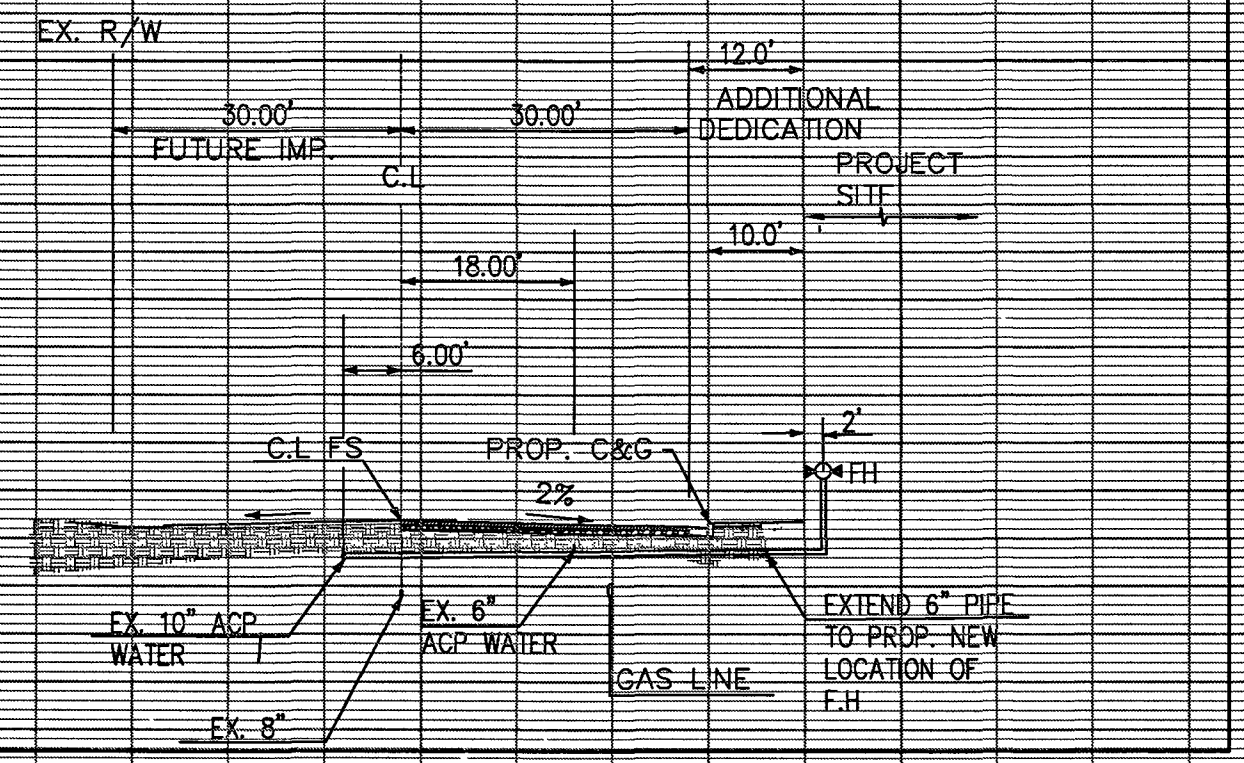
- VIBRATORY ROLLERS AND LARGE BULLDOZERS WILL NOT BE UTILIZED WITHIN 25 FEET OF THE RESIDENTIAL STRUCTURES TO THE NORTH. SMALL BULLDOZERS WILL BE UTILIZED WITHIN THIS AREA TO MAKE IMPROVEMENTS TO THE EXISTING ALLEY AND TO THE PROJECT SITE IN GENERAL.
- PERSON SHALL ENGAGE IN CONSTRUCTION OR DEMOLITION ACTIVITIES IN A MANNER THAT DISCHARGES VISIBLE DUST EMISSIONS INTO THE ATMOSPHERE BEYOND THE PROPERTY LINE FOR A PERIOD OR PERIODS AGGREGATING MORE THAN 3 MINUTES IN ANY 60 MINUTE PERIOD.



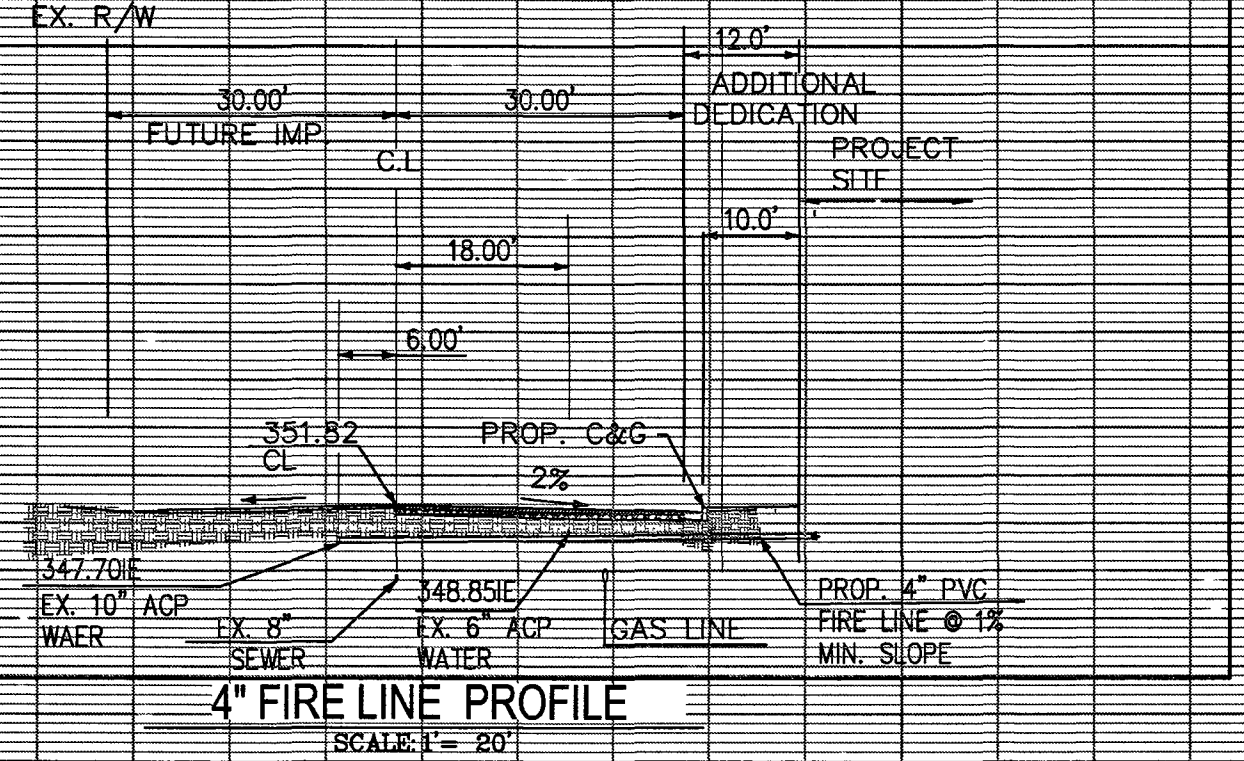
CONTRACTOR	MISSION GORGE RD IMPROVEMENTS, N2003-008	DATE		REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	CITY W O NO	DRAWING NO
INSPECTOR	COTTONWOOD AVE IMPROVEMENTS, R9006S-RS 2008					THE BENCHMARK FOR THIS SURVEY IS STATION #2107 PER RECORD OF SURVEY NO. 11292, A STANDARD STREET WELL MONUMENT WITH BRASS DISC MARKED "SD CO ENGR DEPT SURV MON," LOCATED AT THE INTERSECTION OF MISSION GORGE ROAD AND COTTONWOOD AVE.	HORIZ N/A	FR	FR	MR	4/10/24	IMPROVEMENT PLAN FOR			
DATE COMPLETED	COTTONWOOD AVE IMPROVEMENTS, SEWER PLAN					ELEVATION = 349.74 FEET (NGVD 29)	VERT N/A	PLANS PREPARED UNDER THE SUPERVISION OF MOKSUDUR RAHMAN	DATE 03/27/2024	EXPIRES 6/30/24	R. W. J. S. C.	POPEYES FAST FOOD RESTAURANT		IP2023-01	2023-190
	COTTONWOOD AVE IMPROVEMENTS, WATER PLAN							RCE NO C69263			PROJECT ENGINEER				SHEET 2 OF 6



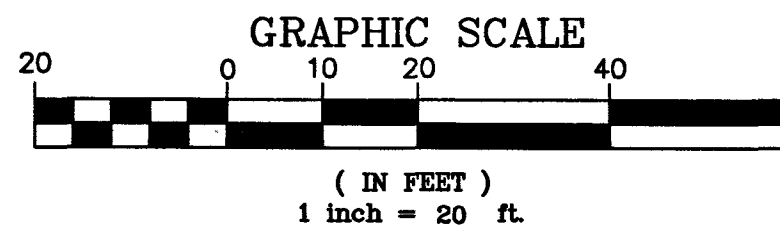
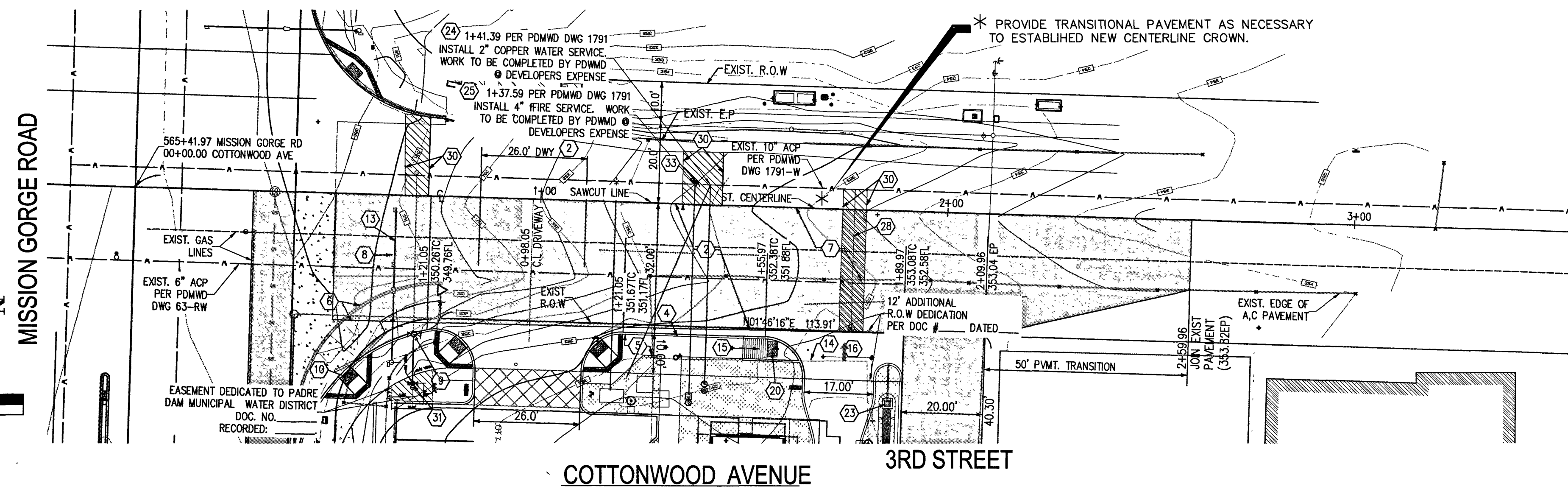
HORIZ 1"=20'
VERT 1"=20'



FIRE HYDRANT PROFILE
SCALE: 1"=20'

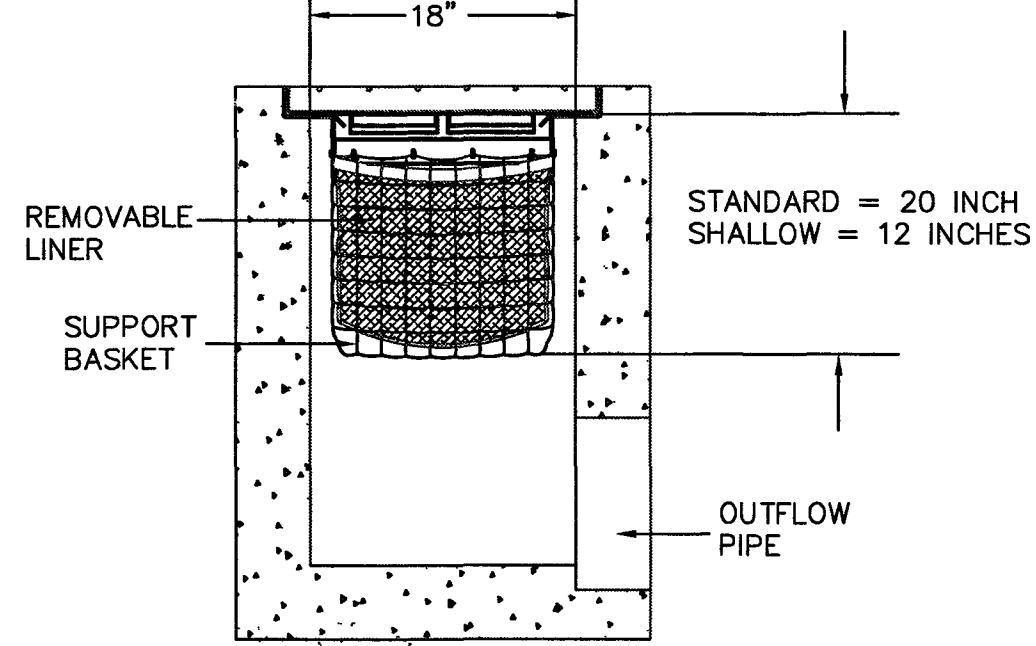
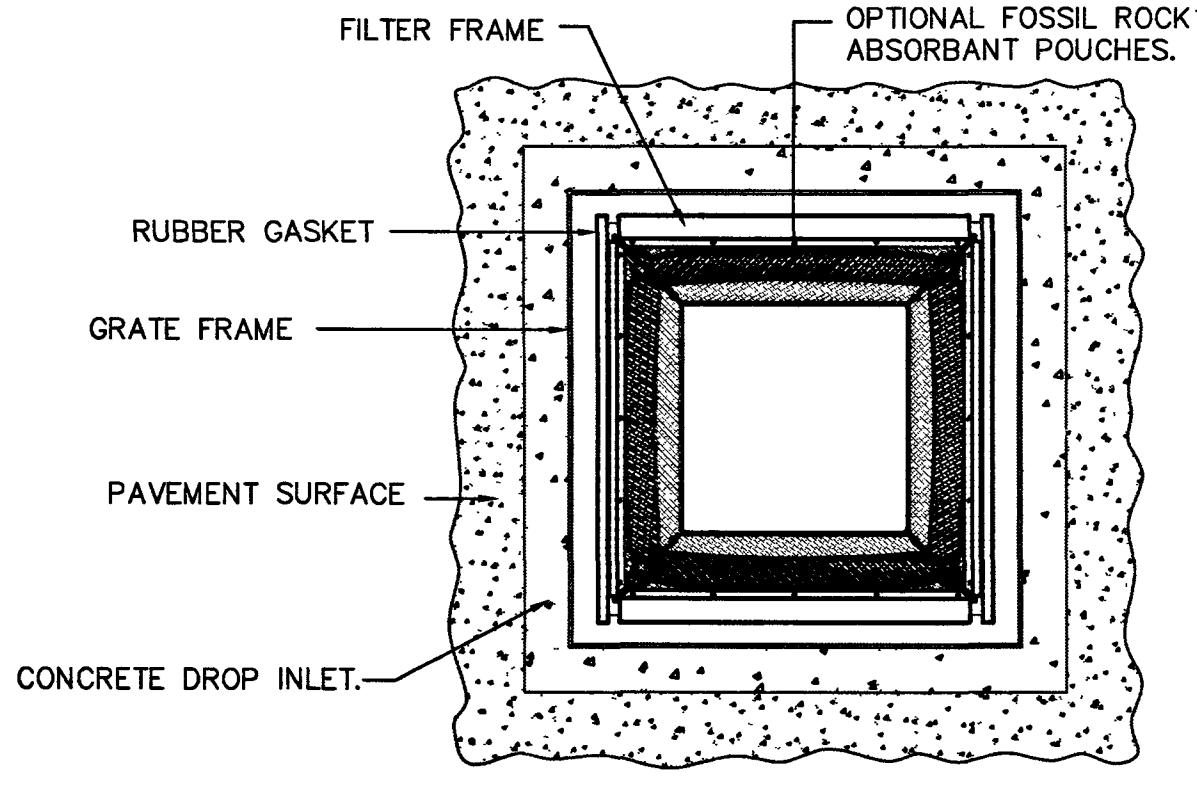


4" FIRE LINE PROFILE
SCALE: 1"=20'



CONSTRUCTION NOTES:

- 1 CONSTRUCT AC PAVEMENT PER PAVING NOTES ON SHEET 2 (4" AC /12" AB)
- 2 CONSTRUCT AC PAVEMENT PER PAVING NOTES ON SHEET 2 (5" A.C / 9" A.B)
- 3 CONSTRUCT DRIVEWAY PER CITY OF SANTEE STD. DWG. PW-21
- 4 CONSTRUCT 6" CURB & GUTTER PER SDRSD G-02
- 5 CONSTRUCT 4" SIDEWALK PER SDRSD STD, G-07
- 6 REMOVE EXIST CURB & GUTTER, ADA RAMP & CONC SIDEWALK
- 7 REMOVE EXISTING A.C PAVEMENT
- 8 REMOVE AND RELOCATE EXISTING TRAFFIC LIGHT
- 9 REMOVE AND RELOCATE EXISTING FIRE HYDRANT
- 10 CONSTRUCT ADA CURB RAMP PER SDRSD STD. G-27, TYPE "A".
- 11 REMOVE AND RELOCATE EXISTING UTILITY BOXES
- 12 RE-CONSTRUCT CROSS GUTTER PER SDRSD STD. G-12
- 13 NEW TRAFFIC LIGHT LOCATION
- 14 REMOVE EXISTING FENCE
- 15 CONSTRUCT ADA CURB RAMP PER SDRSD STD. G-31
- 16 REMOVE AND RELOCATE EXISTING WATER METER
- 17 REMOVE AND RELOCATE WATER BACKFLOW PREVENTER
- 19 INSTALL REFLECTORIZED PAVEMENT MARKERS
- 20 INSTALL MINIMUM 3.0'X4.0' TRUNCATED DOME PER STD.DWG G-30.
- 21 REMOVE AND RELOCATE EXISTING STREET LIGHT
- 22 INSTALL STREET LIGHT BY OTHERS
- 23 INSTALL TRASH CAPTURE DEVICES BY FLOGARD OR APPROVED EQUAL PER DETAIL HEREON
- 24 INSTALL 2" WATER LATERAL WITH WATER METER PER WS-02 TO BE INSTALLED BY PDMWD AT DEVELOPERS EXPENSE
- 25 INSTALL 4" PVC FIRE SERVICE LINE TO BE INSTALLED BY PDMWD AT DEVELOPERS EXPENSE
- 26 INSTALL 4" FIRE SERVICE RPDA/DCA PER WF-05.
- 27 INSTALL 1 1/2" BACKFLOW PREVENTER PER WR-01 TO BE ABANDONED BY PDMWD AT DEVELOPERS EXPENSE. CONTRACTOR TO REMOVE LATERAL FROM ROW
- 30 PAVEMENT RESTORATION PER STD PW-01
- 31 PROPOSED FIRE HYDRANT PER WF-01 AND WF-04 TO BE INSTALLED BY PDMWD AT DEVELOPERS EXPENSE
- 33 CONSTRUCT THRUST BLOCK PER WAS STD WF-05, WT-01A, WT-01B



SPECIFIER CHART						
MODEL NO	STANDARD & SHALLOW DEPTH			STANDARD DEPTH		MODEL NO.
	(Data in these columns is the same for both STANDARD & SHALLOW versions)			-20 Inches-		
STANDARD DEPTH	INLET ID Inside Dimension (inch x inch)	GRATE OD Outside Dimension (inch x inch)	TOTAL BYPASS CAPACITY (cu ft / sec)	SOLIDS STORAGE CAPACITY (cu ft)	FILTERED FLOW (cu ft / sec)	SHALLOW DEPTH
FGP-18F	18 X 18	18 X 20	4.7	0.8	0.7	FGP-18F8
				45	4	

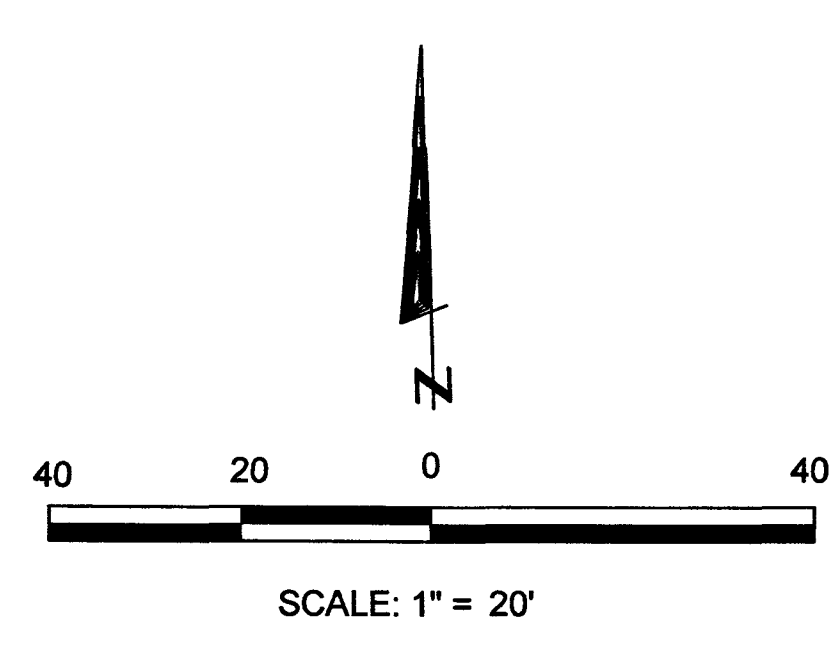
LEGEND

SYMBOL	DESCRIPTION
—W—W—	EXISTING WATERLINE
—S—S—	EXISTING SEWER LINE
▨	PAVEMENT RESTORATION
▩	EXISTING WATER SERVICE ABANDONMENT
—F—	FIRE SERVICE LINE
—H—	EXISTING FIRE HYDRANT
—P—	PROPOSED FIRE HYDRANT
—B—	2" REDUCED PRESSURE BACKFLOW PREVENTION DEVICE
—L—	EXISTING SEWER LATERAL

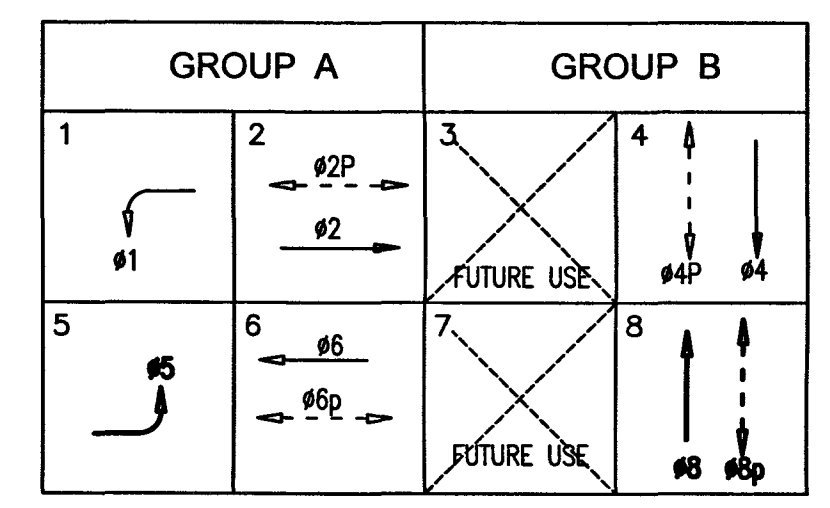
NOTE:
REPLACED FAILED OR INADEQUATE PAVEMENT TO THE CENTERLINE AND/OR SIDEWALK ON COTTONWOOD AVENUE AND MISSION GORGE ROAD TO THE SATISFACTION OF CITY ENGINEER.

GRATE INLET W/ TRASH CAPTURE INSERT DETAIL
NTS

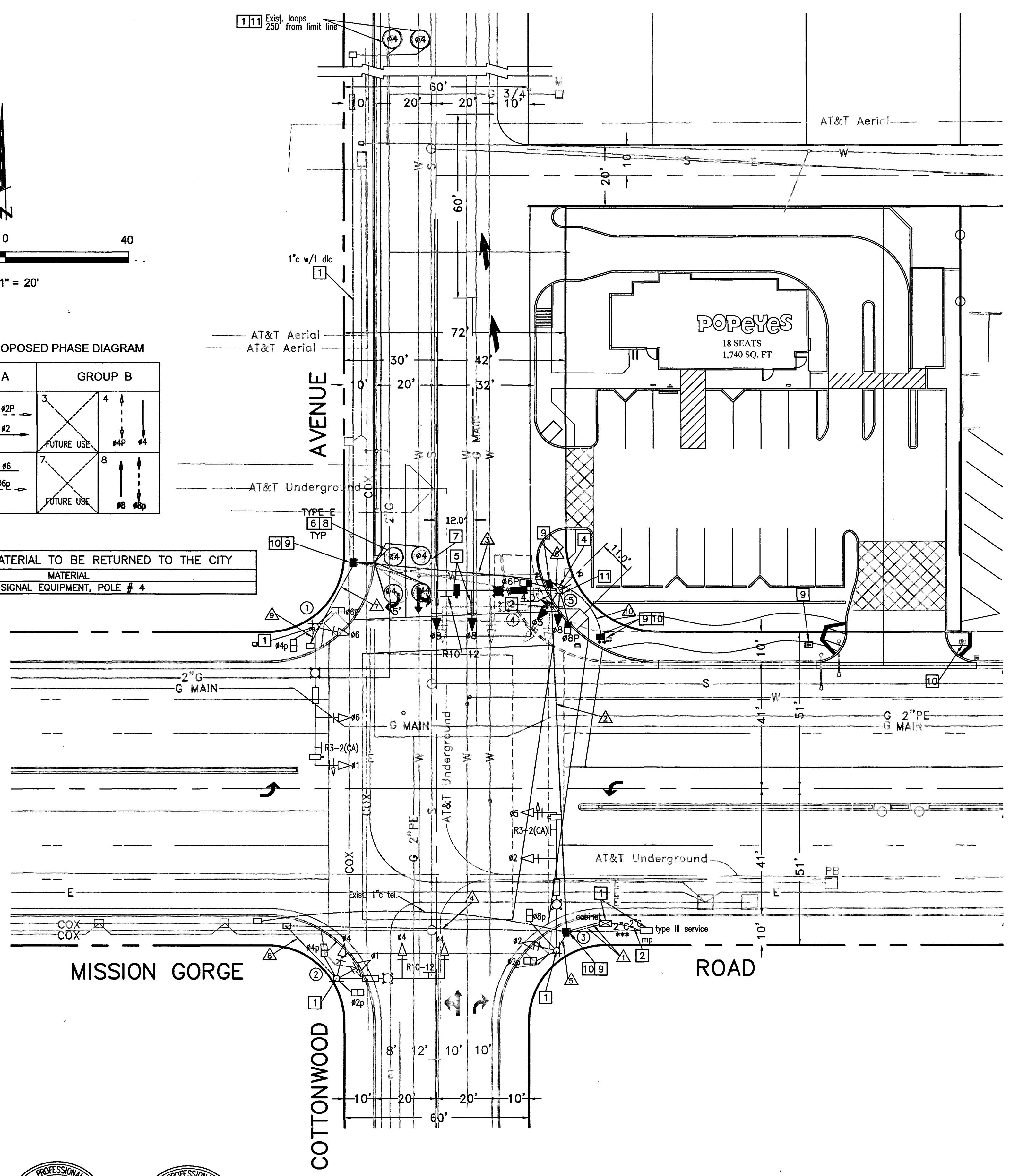




EXISTING/ PROPOSED PHASE DIAGRAM



ESTIMATED SALVAGE MATERIAL TO BE RETURNED TO THE CITY	
UNITS	MATERIAL
1	REMOVED EXISTING SIGNAL EQUIPMENT, POLE # 4



TRAFFIC SIGNAL GENERAL NOTES:

1. TRAFFIC SIGNAL AND LIGHTING WORK SHALL CONFORM TO THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS SECTION 86, CALTRANS STANDARD PLANS (LATEST EDITION), THE PROJECT SPECIAL PROVISIONS, AND THE CALIFORNIA MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, LATEST EDITION.
2. LOCATIONS OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION BY POT-HOLING AS NECESSARY, AND VERIFY ALL CONDITIONS ON THE JOB SITE. HAND DIG ALL FOUNDATIONS UNTIL CLEAR OF OBSTRUCTION.
3. CONDUCTOR SCHEDULE IS FURNISHED AS AN INSTALLATION GUIDE ONLY. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE CORRECT CONDUCTORS/CABLES REQUIRED FOR THE INTENDED OPERATION SHOWN IN THE PHASE DIAGRAM.
4. OBTAIN APPROVAL FROM THE CITY TRAFFIC ENGINEER FOR EXACT EQUIPMENT LOCATIONS PRIOR TO FINAL PLACEMENT. ALL STRIPING SHALL BE PERFORMED PRIOR TO LOCATING LOOP DETECTORS.
5. A PRE-CONSTRUCTION MEETING SHALL BE HELD PRIOR TO BEGINNING WORK. REPRESENTATIVES OF THE CITY, UTILITY COMPANIES AND CONTRACTOR SHALL ATTEND.
6. THE CONTRACTOR SHALL NOT ERECT ANY SIGNAL STANDARD MORE THAN TWO (2) WEEKS PRIOR TO THE SCHEDULED TRAFFIC SIGNAL TURN-ON UNLESS APPROVED BY THE CITY TRAFFIC ENGINEER.
7. COORDINATE SERVICE DETAILS AND SCHEDULING WITH SAN DIEGO GAS & ELECTRIC (SDG&E) WELL IN ADVANCE OF NEED. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION TO MAKE ARRANGEMENTS FOR AND TO PAY FOR ALL COSTS INCLUDING SERVICE LOCATION INITIATION FEES, TO PROVIDE THE NECESSARY CONNECTION FOR THE TRAFFIC SIGNAL AND LIGHTING SYSTEMS.
8. AN ELECTRICAL PERMIT SHALL BE OBTAINED FROM THE BUILDING DIVISION PRIOR TO INSTALLATION OF THE TRAFFIC SIGNAL.
9. THE CONTRACTOR SHALL IMMEDIATELY HAUL AWAY AND DISPOSE OF, OFF THE PROJECT SITE, ALL REMOVED CONCRETE, ASPHALT CONCRETE, BASE MATERIALS, EXCESS EXCAVATED MATERIAL AND CONSTRUCTION DEBRIS. ALL DISPOSALS SHALL BE AT THE CONTRACTOR'S EXPENSE.
10. ALL SALVAGE EQUIPMENT SHALL BE DELIVERED TO THE CITY MAINTENANCE YARD FACILITY.
11. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO EXISTING UTILITIES, PAVEMENT MARKINGS, CURBS, STRUCTURES, LANDSCAPING AND IRRIGATION SYSTEMS, AS A RESULT OF HIS/HER OPERATIONS, AND WILL BE REQUIRED TO REPAIR, REPLACE SAME TO THE SATISFACTION OF AND AS DIRECTED BY THE ENGINEER OR UTILITY COMPANY.
12. ALL CONDUIT DEPTH MUST BE A MINIMUM OF 30" BELOW THE PAVEMENT SURFACE.
13. ALL NEW WIRING SHALL BE LABELED WITHIN EACH PULLBOX AND CONTROLLER CABINET FOR PHASE AND/OR USE IDENTIFICATION.
14. UNDERGROUND WIRING SHALL BE SPLICED IN PULLBOXES ONLY.
15. PROVIDE 4' MINIMUM CLEAR WIDTH IN SIDEWALK AROUND POLE FOR DISABLED ACCESS.
16. ANCHOR BOLT COVERS SHALL BE PROVIDED FOR ALL STANDARDS.
17. PEDESTRIAN SIGNALS SHALL BE SOLID LED WITH COUNTDOWN TIMER. ALL PEDESTRIAN PUSH BUTTON SIGNS SHALL DISPLAY INTERNATIONAL "WALKING PERSON" SYMBOL AND DIRECTIONAL ARROW.
18. THE PUSHBUTTONS SHALL BE AN AUDIBLE PUSHBUTTON SYSTEM (POLERA I-NAVIGATOR IN2 SYSTEM OR APPROVED EQUAL).
19. ALL POLES SHALL BE A MINIMUM OF 5' FROM THE FACE OF THE CURB.
20. CONDUITS SHALL BE 3" PVC (SCHEDULE 40) UNLESS NOTED ON PLANS.
21. THE CONTROLLER FOUNDATION SHALL HAVE A SPARE 3" CONDUIT STUBBED OUT TO ADJACENT NO. 6 PULL BOX FOR FUTURE USE.
22. ALL PULL BOXES SHALL BE NO. 6 EXCEPT AS NOTED. PULL BOX COVERS SHALL BE MARKED WITH "TRAFFIC SIGNAL". NO PULL BOX SHALL BE INSTALLED WITHIN 1' OF PEDESTRIAN RAMP UNLESS AUTHORIZED BY ENGINEER.
23. TRENCH PATCH FOR CONDUIT RUNS SHALL BE DONE IN ACCORDANCE WITH THE CITY'S STANDARD DRAWINGS PW-01 AND PW-02.
24. SIGN PANELS FOR THE INTERNALLY ILLUMINATED STREET NAME SIGNS SHALL BE DIAMOND GRADE VINYL REFLECTIVE SHEETING OR EQUIVALENT. SIGN PANELS SHALL HAVE BLUE BACKGROUND WITH WHITE LETTERS AND THE CITY OF SANTEE LOGO. CONTACT CITY STAFF FOR SIGN PANEL SPECIFICATION. ISNS SHALL HAVE PRINCE LED LIGHT BULBS.
25. ALL SIGNAL INDICATIONS SHALL BE 12" IN DIAMETER LED (ITE SPECIFICATION) WITH BACKPLATE AND 3" REFLECTIVE 3M YELLOW TAPE AROUND THE ENTIRE BACKPLATE.

CONSTRUCTION NOTES:

1. PROTECT IN PLACE TRAFFIC SIGNAL EQUIPMENTS/ CONDUITS/ LOOPS.
2. REMOVE TRAFFIC SIGNAL EQUIPMENT, FOUNDATION, PULL BOX, AND ABANDONED CONDUIT(S).
3. RESTRIPIING TO BE DONE BY THE CONTRACTOR IN ACCORDING TO STRIPING DRAWING.
4. INSTALL TRAFFIC SIGNAL EQUIPMENT, INCLUDING FOUNDATION, COMDUITS AND PULL BOXES.
5. RELOCATE VIDEO DETECTION CAMERA FROM EXISTING POLE MAST ARM.
6. INSTALL TRAFFIC SIGNAL LOOPS PER CALTRANS STANDARD DWG. NO. ES-5B, TYPE PER PLAN.
7. LOOPS TO BE ABANDONED.
8. INSTALL SEPARATE DLC PAIR FOR CURB LANE LOOP(S).
9. INSTALL PULL BOX NO. 6 PER CALTRANS STANDARD DWG. NO. ES-8A.
10. REMOVE/ RELOCATE EXISTING PULL BOX.
11. INSTALL TWO PUSH BUTTONS ON SOUTH AND EAST SIDES OF THE POLE.

NOTES: EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.

** CONTRACTOR WILL VERIFY ON SITE THAT PULL BOX IS A MID RUN TRAFFIC SERVICE BOX AND CONDUIT WILL BE CONNECTED THROUGH.

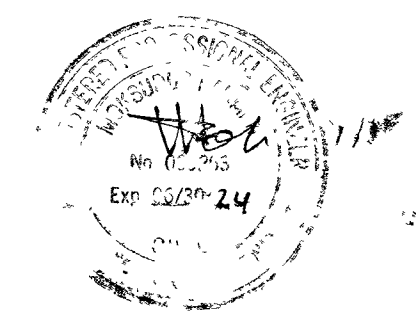
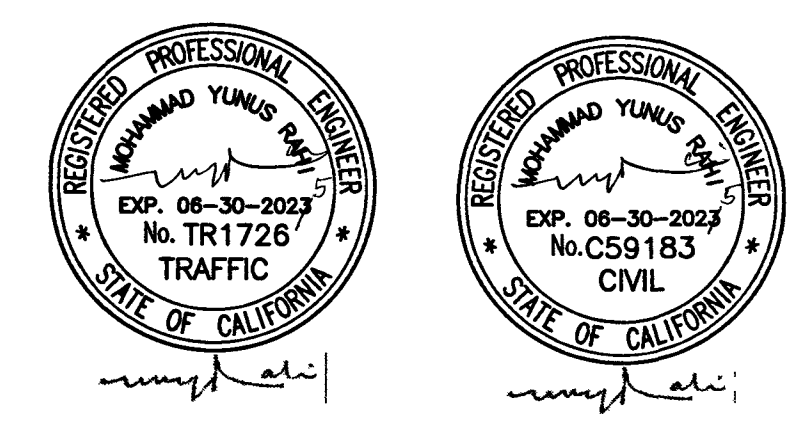
*** MODIFY THE POWER, STREET LIGHTING AND ISNS WIRES TO GO DIRECTLY INTO THE PULL BOX AS SHOWN BY INSTALLING NEW 2" CONDUIT, ABANDON THE EXISTING ONE.

THE POWER WIRE GOES FROM THAT PULL BOX TO THE CABINET.

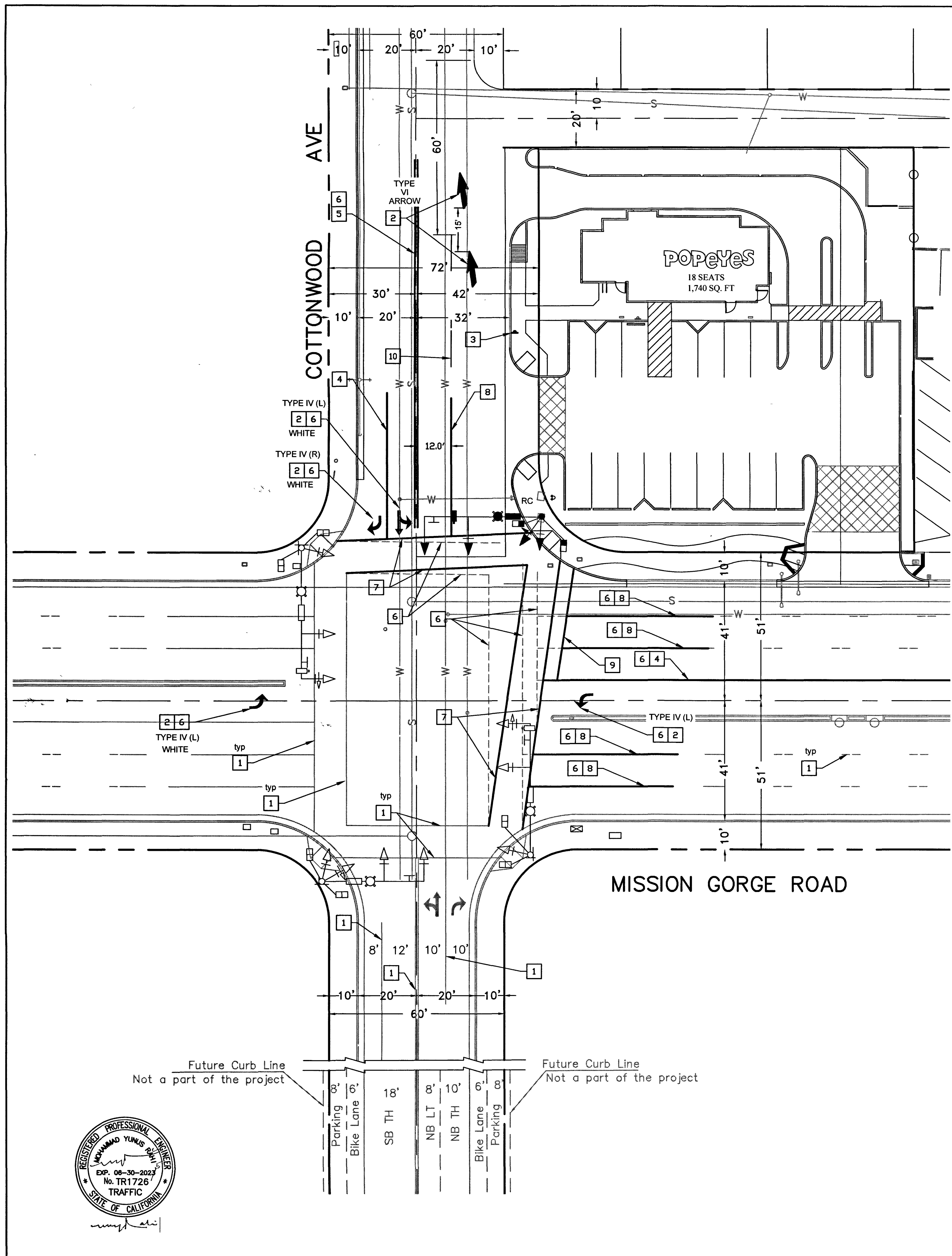
CONDUCTOR SCHEDULE ▲		RUN NO.												
AWG SIZE	Ø	CIRCUIT	1	2	3	4	5	6	7	8	9	10	11	12
CONDUCTORS CABLES		POLE (1)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
		POLE (2)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
		POLE (3)	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2	1/2
TOTAL CABLE 3 CONDUCT./12 CONDUCT.			3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8	3/8
#10		I.I.S.N.S.	2	2	2	2	2	2	2	2	2	2	2	2
		LUMINAIRES	2	2	2	2	2	2	2	2	2	2	2	2
TOTAL #10			4	4	4	4	4	4	4	4	4	4	4	4
#8		GROUND	2	2	2	2	2	2	2	2	2	2	2	2
		SIGNAL SERVICE	2											
#6		OPTICOM WIRE	1	1	1	1	1	1	1	1	1	1	1	1
		2#16 TYPE B DCL #4	1	1	1									1
SIAMESA CABLE		POLE (5) VIDEO CAMERA	1	1										
		POLE (1) VIDEO CAMERA	1	1										1
		POLE (3) VIDEO CAMERA	1											
TOTAL VIDEO CABLE			3	2	1									1
CONDUITS			2-3"	3"	3"	3"	2"	2"	2"	2"	2"	2"	2"	2"
ACTUAL FILLING %			16	20	12	10	21	25	25	22	22	2	2	2

POLE SCHEDULE												
POLE	STANDARD TYPE			LUMINAIRE	PED. PUSH BUTTON	SIGNAL MOUNTING			STREET NAME SIGN MESSAGE I.I.S.N.S.	NOTES		
	HEIGHT	SIGNAL M.A.	LUM. M.A.			HPS V.	TYPE	QUAD			VEHICLE	PEDESTRIAN
①	26-4-70	30	45	15	150W	B/B	4/6	N/W	MAS SV-2T	SP-2T	COTTONWOOD	PROTECT IN PLACE
②	24-4-70	30	35	15	150W	B/B	2/4	S/W	MAS SV-2T	SP-2T	MISSION GORGE	PROTECT IN PLACE
③	26-4-70	30	45	15	150W	B/B	2/6	S/E	MAS SV-2T	SP-2T	COTTONWOOD	PROTECT IN PLACE
④	24-4-70	30	35	15	150W	B/B	8/2	N/E	MAS SV-2T	SP-2T	MISSION GORGE	TO BE REMOVED
⑤	26-4-100	30	40	15	*111W LED	B/B	8/6	N/E	MAS SV-2T	SP-2T	MISSION GORGE	NEW- SEE PLAN FOR LOCATION

*111W LED GE MODEL ERLH-0-13-C3-40-A-GRAY-L



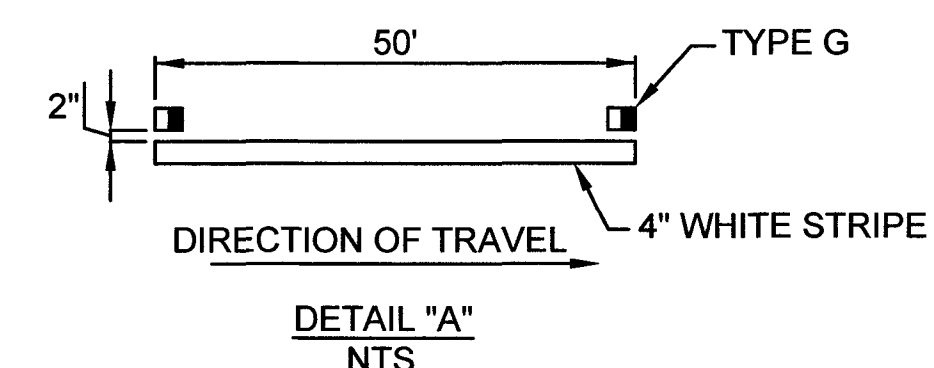
CONSTRUCTION RECORD	REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	CITY W/O NO	DRAWING NO
CONTRACTOR: _____ INSPECTOR: _____ DATE COMPLETED: _____	MISSION GORGE RD IMPROVEMENTS, N2003-008 COTTONWOOD AVE IMPROVEMENTS, R90065-RS 2008 COTTONWOOD AVE IMPROVEMENTS, SEWER PLAN COTTONWOOD AVE IMPROVEMENTS, WATER PLAN					THE BENCHMARK FOR THIS SURVEY IS STATION #2107 PER RECORD OF SURVEY NO. 11252, A STANDARD STREET WELL MONUMENT WITH BRASS DISC MARKED "SD CO ENGR DEPT SURV MON", LOCATED AT THE INTERSECTION OF MISSION GORGE ROAD AND COTTONWOOD AVE. ELEVATION = 349.74 FEET (NGVD 29)	HORIZ AS SHOWN VERT AS SHOWN	FR	FR	MR	4/10/24 R. Matsae	IMPROVEMENT PLAN FOR POPEYES FAST FOOD RESTAURANT	DEPARTMENT OF DEVELOPMENT SERVICES	IP2023-01	2023-193



SIGNING AND STRIPING CONSTRUCTION NOTES

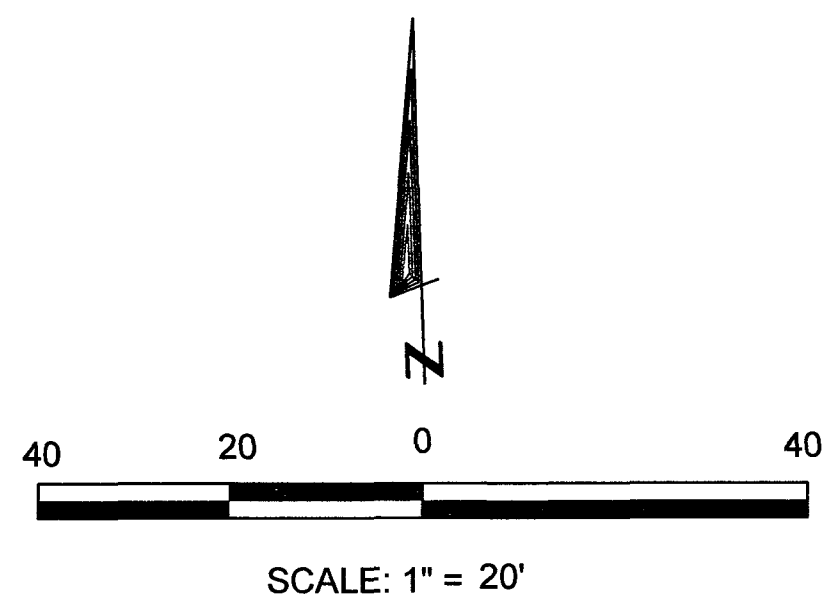
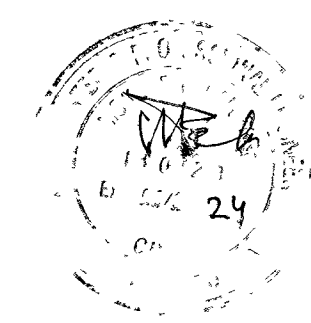
- 1- PROTECT EXISTING STRIPING/LEGEND IN PLACE.
- 2- INSTALL PAVEMENT MARKING ARROWS PER CALTRANS STD. PLAN NO. A24A. TYPE AND COLOR PER PLAN.
- 3- INSTALL LANE MERGE W4-2 SIGN.
- 4- INSTALL CHANNELIZING LINE PER CALTRANS STD. PLAN NO. A20D, DETAIL 38.
- 5- INSTALL 4-INCH DOUBLE YELLOW STRIPING PER CALTRANS STD. PLAN NO. A20A, DETAIL 22.
- 6- SANDBLAST CONFLICTING STRIPING BY WET SANDBLASTING.
- 7- INSTALL BASIC CROSSWALK PER CALTRANS REVISED STD. PLAN NO. A24F.
- 8- INSTALL 50 FEET OF 4-INCH WHITE SOLID STRIPING PER DETAIL "A".
- 9- INSTALL 12-INCH WIDE SOLID WHITE LIMIT LINE PER CALTRANS REVISED STD. PLAN NO. A24E.
- 10- INSTALL 4-INCH WHITE LANE LINE PER CALTRANS STD. PLAN NO. A20A, DETAIL 9.

NOTE: EXACT LOCATION OF ALL SHOWN UTILITIES IS THE RESPONSIBILITY OF THE CONTRACTOR TO VERIFY.



STRIPING AND SIGNAGE GENERAL NOTES

1. THE METHOD OF PAVEMENT AND MARKER INSTALLATION SHALL CONFIRM TO SECTION 84 AND 85 OF CALTRANS LATEST STANDARD SPECIFICATIONS OR AS REQUIRED BY LOCAL JURISDICTION.
2. NO MARKING TO BE DONE PRIOR TO FIELD INSPECTION AND APPROVAL OF LAYOUT BY CITY IN THE FIELD.
3. PAVEMENT MARKING SHALL BE THERMOPLASTIC MATERIALS AND SHALL CONFIRM TO SECTION 84-2.02 CALTRANS STANDARD SPECIFICATION OF AS REQUIRED BY LOCAL JURISDICTION.
4. THE APPLICATION OF THERMOPLASTIC MATERIALS SHALL BE IN ACCORDING WITH CALTRANS STANDARD SPECIFICATION SECTION 84-2.04 OR AS REQUIRED BY LOCAL JURISDICTION.
5. PAVEMENT DELINEATION PATTERNS SHALL CONFORM TO THE DETAILS IN THE CALTRANS STANDARD PLAN A20A, A20B, A20C, AND A20E. ARROW SYMBOLS SHALL BE WHITE UNLESS SPECIFIED IN THE PLANS AND CA MUTCD LATEST EDITION.
6. PAVEMENT ARROW IN FRONT OF A TURN LANE SHALL BE PLACED APPROXIMATELY 10 FEET FROM THE LIMIT LINE AND THE ARROW AT THE BACK OF A TURN LANE SHALL BE PLACED APPROXIMATELY 5 FEET FROM THE END WHERE THE VEHICLE ENTERS THE LANE.
7. BEYOND RESURFACING LIMITS, ALL THE CONFLICTING MARKINGS, PAINTED SYMBOLS, AND RAISED PAVEMENT MARKERS SHALL BE REMOVED BY WET SAND BLASTING OR AS REQUIRED BY LOCAL JURISDICTION.
8. ALL EXISTING SIGNS AND POSTS NOT TO BE USED SHALL BE REMOVED.
9. RELOCATED OR NEW SIGNS AS SHOWN ON PLANS SHALL BE INSTALLED ON NEW POST, EXCEPT WHERE STREET LIGHT POLES ARE USED FOR SIGN POSTING. NEW SIGN POSTS SHALL BE UNISTRUT BREAK AWAY TYPE, 2-INCH SQUARE TUBE.
10. ALL TRAFFIC SIGN SHALL HAVE RETRO REFLECTIVE SHEETING AND SHALL CONFORM TO THE LATEST CALTRANS STANDARD PLANS AND SPECIFICATION AND THE LATEST CALIFORNIA SIGN SPECIFICATION. ALL SIGN SHALL BE INSTALLED ACCORDING WITH CALTRANS STANDARD PLANS AND SPECIFICATIONS OR AS REQUIRED BY LOCAL JURISDICTION.
12. NO SIGN SHALL BE INSTALLED PRIOR TO FIELD INSPECTION AND APPROVAL OF LAYOUT BY THE CITY IN THE FIELD.
13. SIZES OF WARNING SIGNS SHALL BE AS SHOWN IN CA MUTCD, TABLE 2C-2. THE ADVANCE PLACEMENT DISTANCE OF WARNING SIGNS SHALL BE AS SHOWN IN THE CA MUTCD, TABLE 2C-4.
14. ALL TEMPORARY STRIPING AND MARKINGS SHALL BE TEMPORARY TRAFFIC STRIPE (PAINT) AND SHALL CONFORM TO CALTRANS STANDARD PLANS. EXACT LOCATIONS OF TEMPORARY STRIPING, MARKINGS AND SIGNS SHALL BE DETERMINED BY THE CITY ENGINEER.
15. CONTRACTOR SHALL INSTALL TEMPORARY PORTABLE CHANGEABLE MESSAGE SIGNS AS SHOWN ON APPROVED TRAFFIC CONTROLLER PLAN.
16. THE CONTRACTOR SHALL HAVE ALL TEMPORARY DELINEATORS, BARRICADES, ETC., PROPERLY INSTALLED PRIOR TO COMMENCEMENT OF CONSTRUCTION.
17. EXACT LOCATION AND TYPE OF CONSTRUCTION SIGNS SHALL BE AS APPROVED ON TRAFFIC CONTROL PLAN AND ADJUSTED AS NEEDED BY THE CITY ENGINEER BASED UPON CONSTRUCTION CONDITIONS.



CONSTRUCTION RECORD	REFERENCES	DATE	BY	REVISIONS	ACPTD	BENCH MARK	SCALE	DESIGNED BY	DRAWN BY	CHECKED BY	REVIEWED	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	CITY W/O NO	DRAWING NO
CONTRACTOR _____	MISSION GORGE RD IMPROVEMENTS, N2003-008					THE BENCHMARK FOR THIS SURVEY IS STATION #2107 PER RECORD OF SURVEY NO. 11252, A STANDARD STREET WELL MONUMENT WITH BRASS DISC MARKED "30 CO ENGR DEPT SURV MON", LOCATED AT THE INTERSECTION OF MISSION GORGE ROAD AND COTTONWOOD AVE. ELEVATION = 348.74 FEET (NGVD 29)	HORIZ AS SHOWN VERT AS SHOWN	FR	FR	MR	4/10/24	CITY OF SANTEE	DEPARTMENT OF DEVELOPMENT SERVICES	IP2023-01	2023-194
INSPECTOR _____	COTTONWOOD AVE IMPROVEMENTS, R90065-RS 2008							PLANS PREPARED UNDER THE SUPERVISION OF MOKSUDUR RAHMAN			DATE 6/30/24	IMPROVEMENT PLAN FOR			
DATE COMPLETED _____	COTTONWOOD AVE IMPROVEMENTS, SEWER PLAN							RCE NO. C69263			PROJECT ENGINEER	POPEYES FAST FOOD RESTAURANT			SHEET 6 OF 6
	COTTONWOOD AVE IMPROVEMENTS, WATER PLAN											G-1394			