GENERAL NOTES

1. APPROVAL OF THESE PLANS BY THE CITY ENGINEER DOES NOT AUTHORIZE ANY WORK TO BE PERFORMED UNTIL *A PERMIT/ *A NOTICE TO PROCEED HAS BEEN ISSUED.

2. THE APPROVAL OF THIS PLAN OR ISSUANCE OF A PERMIT BY THE CITY OF SAN DIEGO DOES NOT AUTHORIZE THE SUBDIVIDER AND OWNER TO VIOLATE ANY FEDERAL, STATE OR CITY LAWS, ORDINANCES, REGULATIONS, OR POLICIES, INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT OF 1973 AND AMENDMENTS THERETO (16 USC SECTION 1531 ET.SEQ.)

3. THE CONTRACTOR SHALL BE RESPONSIBLE FOR SURVEY MONUMENTS AND/OR VERTICAL CONTROL BENCHMARKS WHICH ARE DISTURBED OR DESTROYED BY CONSTRUCTION. A LAND SURVEYOR MUST FIELD LOCATE, REFERENCE, AND/OR PRESERVE ALL HISTORICAL OR CONTROLLING MONUMENTS PRIOR TO ANY EARTHWORK. IF DESTROYED, A LAND SURVEYOR SHALL REPLACE SUCH MONUMENTS WITH APPROPRIATE MONUMENTS. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE, SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT, SECTION 8771 OF THE BUSINESS AND PROFESSIONS CODE OF THE STATE OF CALIFORNIA. IF ANY VERTICAL CONTROL IS TO BE DISTURBED OR DESTROYED, THE CITY OF SAN DIEGO FIELD SURVEY SECTION MUST BE NOTIFIED, IN WRITING, AT LEAST 3 DAYS PRIOR TO THE CONSTRUCTION. THE CONTRACTOR WILL BE RESPONSIBLE FOR THE COST OF REPLACING ANY VERTICAL CONTROL BENCHMARKS DESTROYED BY THE CONSTRUCTION.

4. IMPORTANT NOTICE: SECTION 4216 OF THE GOVERNMENT CODE REQUIRES A DIG ALERT IDENTIFICATION NUMBER BE ISSUED BEFORE A "PERMIT TO EXCAVATE" WILL BE VALID. FOR YOUR DIG ALERT I.D. NUMBER, CALL UNDERGROUND SERVICE ALERT, TOLL FREE 1-800-422-4133, TWO DAYS BEFORE YOU DIG.

5. CONTRACTOR SHALL IMPLEMENT AN EROSION AND SEDIMENT CONTROL PROGRAM DURING THE PROJECT GRADING AND/OR CONSTRUCTION ACTIVITIES. THE PROGRAM SHALL MEET ALL APPLICABLE REQUIREMENTS OF THE STATE WATER RESOURCE CONTROL BOARD AND THE CITY OF SAN DIEGO MUNICIPAL CODE AND STORM WATER STANDARDS MANUAL.

6. "PUBLIC IMPROVEMENT SUBJECT TO DESUETUDE OR DAMAGE." IF REPAIR OR REPLACEMENT OF SUCH PUBLIC IMPROVEMENTS IS REQUIRED, THE OWNER SHALL OBTAIN THE REQUIRED PERMITS FOR WORK IN THE PUBLIC RIGHT-OF-WAY, SATISFACTORY TO THE PERMIT- ISSUING AUTHORITY.

7. ALL EXISTING AND/OR PROPOSED PUBLIC UTILITY SYSTEM AND SERVICE FACILITIES SHALL BE INSTALLED UNDERGROUND IN ACCORDANCE WITH SECTION 144.0240 OF THE MUNICIPAL CODE.

8. PRIOR TO ANY DISTURBANCE TO THE SITE, EXCLUDING UTILITY MARK-OUTS AND SURVEYING, THE CONTRACTOR SHALL MAKE ARRANGEMENTS FOR A PRE-CONSTRUCTION MEETING WITH THE CITY OF SAN DIEGO FIELD ENGINEERING DIVISION (858) 627-3200.

9. DEVIATIONS FROM THESE SIGNED PLANS WILL NOT BE ALLOWED UNLESS A CONSTRUCTION CHANGE IS APPROVED BY THE CITY ENGINEER OR THE CHANGE IS REQUIRED BY THE CITY INSPECTOR.

10. AS-BUILT DRAWINGS MUST BE SUBMITTED TO THE RESIDENT ENGINEER PRIOR TO ACCEPTANCE OF THIS PROJECT BY THE CITY OF SAN DIEGO.

11. AN AS-GRADED GEOTECHNICAL REPORT AND A SET OF THE REDLINE GRADING PLANS SHALL BE SUBMITTED AT AREA 3 ON THE THIRD FLOOR OF DEVELOPMENT SERVICES WITHIN 30 CALENDAR DAYS OF THE COMPLETION OF GRADING. AN ADDITIONAL SET SHALL BE PROVIDED TO THE RESIDENT ENGINEER OF THE FIELD ENGINEERING DIVISION AT 9485 AERO DR.

12. THE AREA WHICH IS DEFINED AS A NON GRADING AREA AND WHICH IS NOT TO BE DISTURBED SHALL BE STAKED PRIOR TO START OF THE WORK. THE PERMIT APPLICANT AND ALL OF THEIR REPRESENTATIVES OR CONTRACTORS SHALL COMPLY WITH THE REQUIREMENTS FOR PROTECTION OF THIS AREA AS REQUIRED BY ANY APPLICABLE AGENCY. ISSUANCE OF THE CITY'S GRADING PERMIT SHALL NOT RELIEVE THE APPLICANT OR ANY OF THEIR REPRESENTATIVES OR CONTRACTORS FROM COMPLYING WITH ANY STATE OR FEDERAL REQUIREMENTS BY AGENCIES INCLUDING BUT NOT LIMITED TO CALIFORNIA REGIONAL WATER QUALITY CONTROL BOARD, CALIFORNIA DEPARTMENT OF FISH AND GAME. COMPLIANCE MAY INCLUDE OBTAINING PERMITS, OTHER AUTHORIZATIONS, OR COMPLIANCE WITH MANDATES BY ANY APPLICABLE STATE OR FEDERAL AGENCY.

13. CONTRACTOR SHALL REMOVE AND REPLACE ALL UTILITY BOXES SERVING AS HANDHOLES THAT ARE NOT IN "AS-NEW" CONDITION IN PROPOSED SIDEWALK. DAMAGED BOXES, OR THOSE THAT ARE NOT IN COMPLIANCE WITH CURRENT CODE SHALL BE REMOVED AND REPLACED WITH NEW BOXES, INCLUDING WATER, SEWER, TRAFFIC SIGNALS, STREET LIGHTS, DRY UTILITIES-SDG&E, COX, ETC. ALL NEW METAL LIDS SHALL BE SLIP RESISTANT (FRICTION FACTOR >/= 0.50) AND INSTALLED FLUSH WITH PROPOSED SIDEWALK GRADE. IF A SLIP RESISTANT METAL LID IS NOT COMMERCIALLY AVAILABLE FOR THAT USE, NEW BOXES AND LIDS SHALL BE INSTALLED.

GROUND WATER DISCHARGE NOTES *

1. ALL GROUND WATER EXTRACTIONS AND SIMILAR WASTE DISCHARGES TO SURFACE WATERS NOT TRIBUTARY TO THE SAN DIEGO BAY ARE PROHIBITED UNTIL IT CAN BE DEMONSTRATED THAT THE OWNER HAS APPLIED AND OBTAINED AUTHORIZATION FROM THE STATE OF CALIFORNIA VIA AN OFFICIAL "ENROLLMENT LETTER" FROM THE REGIONAL WATER QUALITY CONTROL BOARD IN ACCORDANCE WITH THE TERMS, PROVISIONS AND CONDITIONS OF STATE ORDER NO R9-2008-0002 NPDES CAG919002.

2. THE ESTIMATED MAXIMUM DISCHARGE RATES MUST NOT EXCEED THE LIMITS SET IN THE OFFICIAL "ENROLLMENT LETTER" FROM THE REGIONAL BOARD UNLESS PRIOR NOTIFICATION AND SUBSEQUENT AUTHORIZATION HAS BEEN OBTAINED, AND DISCHARGE OPERATIONS MODIFIED TO ACCOMMODATE THE INCREASED RATES.

3. ALL GROUND WATER EXTRACTIONS AND SIMILAR WASTE DISCHARGES TO SURFACE WATERS TRIBUTARY TO THE SAN DIEGO BAY ARE PROHIBITED UNTIL IT CAN BE DEMONSTRATED THAT THE OWNER HAS APPLIED AND OBTAINED AUTHORIZATION FROM THE STATE OF CALIFORNIA VIA AN OFFICIAL "ENROLLMENT LETTER" FROM THE REGIONAL WATER QUALITY CONTROL BOARD IN ACCORDANCE WITH THE TERMS, PROVISIONS AND CONDITIONS OF STATE ORDER NO R9-2007-0034 NPDES NO. CAG919001.

IMPROVEMENT PLANS FOR:

PROJECT NAME

KEY MAP

1"=X'

STREET NAME	STATION LIMITS	AS-BUILT PAVEMENT STRUCTURAL SECTION * AC (IN.)	CTB (IN.)	PCC (IN.)

NOTE:
STREET SUBGRADE SOIL SAMPLES ARE TO BE TAKEN FOR "R" VALUE ANALYSIS BY A PRIVATE GEOTECHNICAL ENGINEERING FIRM AND UNDER THE DIRECTION OF THE RESIDENT ENGINEER. THESE ANALYSIS ARE TO BE PERFORMED BY A CERTIFIED PRIVATE GEOTECHNICAL FIRM TO DETERMINE THE PAVEMENT SECTION(S) DURING CONSTRUCTION. A PAVEMENT SECTION LETTER WILL BE ISSUED BY THE CITY.

OWNER/APPLICANT

OWNER/APPLICANT NAME
OWNER/APPLICANT COMPLETE ADDRESS
OWNER/APPLICANT PHONE NUMBER

REFERENCE DRAWINGS

REFERENCE DRAWING DESCRIPTION. . . . . XXXXX-D

SITE ADDRESS

INCLUDE COMPLETE ADDRESS (IF APPLICABLE).

BENCHMARK

THIS BENCHMARK MUST BE TAKEN FROM THE CITY OF SAN DIEGO VERTICAL CONTROL BOOK.

EXISTING LEGAL DESCRIPTION

AS STATED ON RECORDED DOCUMENT

PROPOSED LEGAL DESCRIPTION*

PROVIDE PROPOSED LEGAL DESCRIPTION WITH A PROVISION FOR A MAP NUMBER TO BE AS-BUILT OR ADDED AS PART OF A CONSTRUCTION CHANGE.

ASSESSORS PARCEL NUMBER

EXISTING APN(S) FOR PROPERTY PROPOSING IMPROVEMENT (IF APPLICABLE)

SHEET INDEX

SHEET DESCRIPTION. . . . . SHEET #

PRIVATE WATER AND WASTEWATER *

THE PRIVATE WATER/SEWER SYSTEM IS DESIGNED IN ACCORDANCE WITH THE CALIFORNIA PLUMBING CODE AND IS SHOWN ON THESE PLANS AS "INFORMATION ONLY". A SEPARATE PLUMBING PERMIT IS REQUIRED FOR CONSTRUCTION AND INSPECTION OF THE SYSTEM.

STORM WATER PROTECTION NOTES

1. THIS PROJECT IS SUBJECT TO MUNICIPAL STORM WATER PERMIT ORDER NO._____; AND RISK LEVEL/TYPE: CHECK ONE BELOW

- ☐ WPCP
- ☐ CGP RISK LEVEL 1
- ☐ CGP RISK LEVEL 2
- ☐ CGP RISK LEVEL 3
- ☐ CGP LUP TYPE 1
- ☐ CGP LUP TYPE 2
- ☐ CGP LUP TYPE 3
- ☐

2. CHECK ONE
- ☐ THIS PROJECT WILL EXCEED THE MAXIMUM DISTURBED AREA LIMIT, THEREFORE A WEATHER TRIGGERED ACTION PLAN (WTAP) IS REQUIRED.
- ☐ THIS PROJECT WILL FOLLOW PHASED GRADING NOT TO EXCEED FIVE (5) ACRES PER PHASE.
- ☐ NOT APPLICABLE

3. THE CONTRACTOR SHALL COMPLY WITH THE REQUIREMENTS OF THE WPCP OR SWPPP AS APPLICABLE.

WORK TO BE DONE

THE IMPROVEMENTS CONSISTS OF THE FOLLOWING WORK TO BE DONE ACCORDING TO THESE PLANS AND THE SPECIFICATIONS AND STANDARD DRAWINGS OF THE CITY OF SAN DIEGO.

STANDARD SPECIFICATIONS:

DOCUMENT NO.	DESCRIPTION
PITS070112-01	STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (GREENBOOK), 2012 EDITION
PITS070112-02	CITY OF SAN DIEGO STANDARD SPECIFICATIONS FOR PUBLICWORKS CONSTRUCTION (WHITEBOOK), 2012 EDITION
PITS070112-04	CALIFORNIA DEPARTMENT OF TRANSPORTATION MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, 2012 EDITION
PITS070112-06	CALIFORNIA DEPARTMENT OF TRANSPORTATION U.S CUSTOMARY STANDARD SPECIFICATIONS, 2010 EDITION

STANDARD DRAWINGS:

DOCUMENT NO.	DESCRIPTION
PITS070112-03	CITY OF SAN DIEGO STANDARD DRAWINGS FOR PUBLIC WORKS CONSTRUCTION, 2012 EDITION
PITS070112-05	CALIFORNIA DEPARTMENT OF TRANSPORTATION U.S CUSTOMARY STANDARD PLANS, 2010 EDITION

LEGEND

PROPOSED IMPROVEMENTS

IMPROVEMENT	STANDARD DWGS.	SYMBOL

EXISTING IMPROVEMENTS

ITEM	STANDARD DWGS.	SYMBOL

POST-CONSTRUCTION PERMANENT BMP OPERATION & MAINTENANCE PROCEDURE DETAILS *

STORM WATER MANAGEMENT AND DISCHARGE CONTROL MAINTENANCE AGREEMENT APPROVAL NO.:

O&M RESPONSIBLE PARTY DESIGNEE: PROPERTY OWNER / HOA / CITY / OTHER

BMP DESCRIPTION	INSPECTION FREQUENCY	MAINTENANCE FREQUENCY	MAINTENANCE METHOD	QUANTITY	SHEET NUMBER(S)
SITE DESIGN					
SOURCE CONTROL					
TREATMENT CONTROL					
HMP FACILITY					

DECLARATION OF RESPONSIBLE CHARGE

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

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

COMPANY NAME
COMPANY ADDRESS
COMPANY PHONE
COMPANY FAX
COMPANY EMAIL

NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE

* IF APPLICABLE

VICINITY MAP

NO SCALE

ENGINEERING PERMIT NO:_____

DISCRETIONARY PERMIT NO:_____

CONSTRUCTION SITE
STORM WATER PRIORITY:_____

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME
BRIEF LEGAL DESCRIPTION, STATION LIMITS, OR STREET/CROSS SECTION DESCRIPTION

CITY OF SAN DIEGO, CALIFORNIA
SHEET 1 OF XX SHEETS

I.O. NO. _____
PROJECT NO._____
V.T.M._____

FOR CITY ENGINEER _____ DATE _____

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	XXX			
AS-BUILTS				

XXXX-XXXX NAD83 COORDINATES
XXX-XXXX LAMBERT COORDINATES

CONTRACTOR_____ DATE STARTED_____
INSPECTOR_____ DATE COMPLETED_____

1 -D

CONSTRUCTION CHANGE TABLE

CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS	APPROVAL NO.

WARNING
0 1/2 1
IF THIS BAR DOES NOT MEASURE 1" THEN DRAWING IS NOT TO SCALE.

CITY OF SAN DIEGO
DEVELOPMENT SERVICES DEPARTMENT

STREET DATA TABLE

STREET NAME	CLASSIFICATION	SPEED (MPH)	ADT (VEHICLES)	R/W (FT)

REMOVE THIS NOTE AFTER INSTRUCTIONS WITHIN THE IMPROVEMENT FORMAT SHEET (?) HAVE BEEN READ IN THEIR ENTIRETY.

CITY OF SAN DIEGO SAMPLE BORDER (1"=1')

STRIPING AND SIGNING GENERAL NOTES ×

1. Installation of all striping, signs and pavement markers shall be the responsibility of the Contractor.
2. All striping and signing shall conform to the most recently adopted edition of the following manuals:

DESCRIPTION	EDITION	DOCUMENT NO.
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE "GREENBOOK")	2012	PITS070112-01
CITY OF SAN DIEGO STANDARD DRAWINGS	2012	PITS070112-03
California manual on uniform traffic control devices (CA MUTCD)	2012	PITS070112-06

3. All signing and striping is subject to the approval of the City Engineer prior to installation and/or removal.
4. The contractor shall remove all conflicting striping, pavement markings and legends by sandblasting and/or grinding with the seal. Any debris shall be promptly removed by the contractor.
5. Sign posts shall be installed with square perforated steel tubing with a breakaway base per City of San Diego Standard Drawing M-45.
6. All raised median noses shall be painted yellow.
7. All signs shown on the striping and signing plans shall be new signs provided and installed by the Contractor, except for existing signs specifically indicated to be relocated or to remain.
8. Striped crosswalks shall have an inside dimension of 10 feet unless indicated otherwise.
9. All limit lines/stop lines, crosswalk lines, pavement legends, and arrows (except within bike lanes) shall be thermoplastic.
10. The contractor shall notify the City Traffic Engineer at (858) 495-4741 a minimum of five (5) working days prior to and upon completion of striping and signing.

ENVIRONMENTAL/MITIGATION REQUIREMENTS ×

A GENERAL REQUIREMENTS

1. PRE-CONSTRUCTION MEETING IS REQUIRED TEN (10) WORKING DAYS PRIOR TO BEGINNING ANY WORK ON THIS PROJECT, THE PERMIT HOLDER IS RESPONSIBLE TO ARRANGE AND PERFORM THIS MEETING BY CONTACTING THE CITY RESIDENT ENGINEER (RE) OF THE FIELD ENGINEERING DIVISION AND CITY STAFF FROM MITIGATION MONITORING COORDINATION (MMC). ATTENDEES MUST ALSO INCLUDE THE PERMIT HOLDER'S REPRESENTATIVE(S), JOB SITE SUPERINTENDENT AND THE FOLLOWING CONSULTANTS:

[LIST PROJECT SPECIFIC CONSULTANTS HERE]

NOTE
FAILURE OF ALL RESPONSIBLE PERMIT HOLDER'S REPRESENTATIVES AND CONSULTANTS TO ATTEND SHALL REQUIRE AN ADDITIONAL MEETING WITH ALL PARTIES PRESENT.

CONTACT INFORMATION:
a) THE PRIMARY POINT OF CONTACT IS THE RE AT THE FIELD ENGINEERING DIVISION AT 858-627-3200.
b) IT IS ALSO REQUIRED TO CALL THE RE AND MMC AT 858-627-3360 FOR CLARIFICATION OF ENVIRONMENTAL REQUIREMENTS.

2. MMRP COMPLIANCE: THIS PROJECT, PROJECT TRACKING SYSTEM (PTS) # _____ AND/OR ENVIRONMENTAL DOCUMENT # _____, SHALL CONFORM TO THE MITIGATION REQUIREMENTS CONTAINED IN THE ASSOCIATED ENVIRONMENTAL DOCUMENT AND SHALL BE IMPLEMENTED TO THE SATISFACTION OF DSD'S ENVIRONMENTAL DESIGNEE (MMC) AND THE RE. THE REQUIREMENTS MAY NOT BE REDUCED OR CHANGED BUT MAY BE ANNOTATED (I.E. TO EXPLAIN WHEN AND HOW COMPLIANCE IS BEING MET AND LOCATION OF VERIFYING PROOF, ETC.). ADDITIONAL CLARIFYING INFORMATION MAY ALSO BE ADDED TO OTHER RELEVANT PLAN SHEETS AND/OR SPECIFICATIONS AS APPROPRIATE (E.G. SPECIFIC LOCATIONS, TIMES OF MONITORING, METHODOLOGY, ETC.).

NOTE:
PERMIT HOLDER'S REPRESENTATIVES MUST ALERT THE RE AND MMC IF THERE ARE ANY DISCREPANCIES IN THE PLANS, NOTES OR ANY CHANGES DUE TO FIELD CONDITIONS. ALL CONFLICTS MUST BE APPROVED BY THE RE AND MMC BEFORE THE WORK IS PERFORMED.

3. OTHER AGENCY REQUIREMENTS: EVIDENCE OF COMPLIANCE WITH ALL OTHER AGENCY REQUIREMENTS OR PERMITS SHALL BE SUBMITTED TO THE RE AND MMC FOR REVIEW AND ACCEPTANCE PRIOR TO THE BEGINNING OF WORK OR WITHIN ONE (1) WEEK OF THE PERMIT HOLDER OBTAINING DOCUMENTATION OF THOSE PERMITS OR REQUIREMENTS. EVIDENCE SHALL INCLUDE COPIES OF PERMITS, LETTERS OF RESOLUTION OR OTHER DOCUMENTATION ISSUED BY THE RESPONSIBLE AGENCY.

[LIST PROJECT SPECIFIC REQUIRED PERMITS AND CIVIL PENALTY DOCUMENTS HERE]

4. MONITORING EXHIBITS: ALL CONSULTANTS ARE REQUIRED TO SUBMIT TO THE RE AND MMC, A MONITORING EXHIBIT ON A 11"X17" REDUCTION OF THE APPROPRIATE CONSTRUCTION PLAN SUCH AS SITE PLAN, GRADING, LANDSCAPE, ETC. MARKED TO CLEARLY SHOW THE SPECIFIC AREAS INCLUDING THE LIMIT OF WORK, SCOPE OF THAT DISCIPLINE'S WORK, AND NOTES INDICATING WHEN IN THE CONSTRUCTION SCHEDULE THAT WORK WILL BE PERFORMED. WHEN NECESSARY FOR CLARIFICATION, A DETAILED METHODOLOGY OF HOW THE WORK WILL BE PERFORMED SHALL BE INCLUDED.

NOTE:
SURETY AND COST RECOVERY – WHEN DEEMED NECESSARY BY THE DEVELOPMENT SERVICES DIRECTOR OR CITY MANAGER, THEY MAY REQUIRE ADDITIONAL SURETY INSTRUMENTS OR BONDS FROM THE PERMIT HOLDER TO ENSURE THE LONG TERM PERFORMANCE OR IMPLEMENTATION OF REQUIRED MITIGATION MEASURES OR PROGRAMS. THE CITY IS AUTHORIZED TO RECOVER ITS COST TO OFFSET THE SALARY, OVERHEAD, AND EXPENSES FOR CITY PERSONNEL AND PROGRAMS TO MONITOR QUALIFYING PROJECTS.

5. OTHER SUBMITTALS AND INSPECTIONS: THE PERMIT HOLDER'S REPRESENTATIVES SHALL SUBMIT ALL REQUIRED DOCUMENTATION, VERIFICATION LETTERS, AND REQUESTS FOR ALL ASSOCIATED INSPECTIONS TO THE RE AND MMC FOR APPROVAL PER THE FOLLOWING SCHEDULE:

[LIST ALL AND ONLY PROJECT SPECIFIC REQUIRED VERIFICATION DOCUMENTS AND RELATED INSPECTIONS ON THE TABLE BELOW]

ISSUE AREA	DOCUMENT SUBMITTAL	ASSOC INSPECTION/APV	NOTES

B SPECIFIC MMRP ISSUE AREA CONDITIONS/REQUIREMENTS

[LIST ONLY PROJECT SPECIFIC MMRP ISSUE/CONDITIONS HERE]

ISSUE AREA – CONDITIONS

SEWER AND WATER LATERAL TABLE×

LOT NO.	INV. ELEV. AT MAIN	DROP TO MAIN	LENGTH IN FEET	INV. ELEV. AT P.L.	TOP CURB ELEV.	DEPTH BELOW T.C. AT P.L.	SEWER STATION	WATER STATION
X	XX'	XXX'	XX'	XX'	XXX'	X'	XX+XX.XX	XX+XX.XX

STREET LIGHT NOTES ×

1. CONTRACTOR INSTALLING THE STREET LIGHTING DISTRIBUTION SYSTEM SHALL NOTIFY THE CITY FIELD ENGINEER, AT (858) 627-3200, A MINIMUM OF THREE (3) DAYS PRIOR TO STARTING OF WORK FOR APPROVAL OF CONDUIT LOCATIONS AND REQUIREMENTS.
2. CONTRACTOR SHALL VERIFY THAT ALL STREET LIGHTS ARE ACTIVATED AND SHALL NOTIFY THE CITY FIELD ENGINEER, AT (858) 627-3200, A MAXIMUM OF FOUR (4) WEEKS AFTER FINAL ELECTRICAL INSPECTION.
3. NATIONAL ELECTRICAL CODE (NEC) WIRE COLOR CODING SHALL BE USED FOR ALL ELECTRICAL WORK.
4. THE IMPROVEMENT PLANS SHOULD SHOW ALL OF THE EXISTING AND PROPOSED STREET LIGHTS, PULL BOXES AND SERVICE POINTS IN THE VICINITY OF THE PROJECT AREA.
5. STREET LIGHT SCHEDULE (SAMPLE)

STREET LIGHT #	STREET NAME	LOCATION REFERENCE*	CORNER/ STREET SIDE	TYPE OF WORK/WATTAGE**	POLE TYPE
1	4TH ST.	@ WALNUT AVE.	NEC	(N) 150W HPS	15
2	WALNUT AVE.	S/O PINE ST., 260'	W/S	(N) 150W HPS	DB

*LOCATION REFERENCE FOR MID-BLOCK STREET LIGHTS: APPROXIMATE DISTANCE FROM CENTERLINE OF NEAREST CROSS STREET.
**TYPE OF WORK: NEW (N), UPGRADE (U), AND RELOCATE (R).

6. STREET LIGHT SCHEDULE GUIDELINES:

A. STREET LIGHT LUMINAIRES SHALL BE HIGH PRESSURE SODIUM VAPOR (HPS) WITH TYPE III DISTRIBUTION AND FULL CUT-OFF CONTROL OUTSIDE OF THE 30-MILE RADIUS OF MT. PALOMAR OBSERVATORY. LOW PRESSURE SODIUM VAPOR (LPS) SHALL BE USED WITHIN THE 30-MILE RADIUS OF MT. PALOMAR OBSERVATORY (CITY COUNCIL POLICY 200-18, ADOPTED MAY 30, 1995; AMENDED FEBRUARY 26, 2002).

B. STREET LIGHT STANDARDS SHALL BE EITHER TYPE 15 STEEL, ANCHOR BASE CONCRETE (AB), OR DIRECT BURIAL CONCRETE (DB), AND SHALL CONFORM TO CURRENT CITY STANDARD DRAWING, SDE-101.

C. MID-BLOCK STREET LIGHTING SHALL BE SPACED IN ACCORDANCE WITH THE CITY OF SAN DIEGO STREET DESIGN MANUAL, STREET LIGHTING SECTION (LT), PG. 94 AND CITY COUNCIL POLICY 200-18 (ADOPTED MAY 30, 1995; AMENDED JANUARY 10, 2000).

D. SUPPLEMENTAL AND SPECIAL ORNAMENTAL STREET LIGHTING SHALL BE INCLUDED IN A SPECIAL STREET LIGHTING ASSESSMENT DISTRICT OR MAINTENANCE ASSESSMENT DISTRICT AND SHALL BE DESIGNATED WITH AN ASTERISK NEXT TO THE STREET LIGHT NUMBER. THE DEVELOPER/APPLICANT WILL BE ASSESSED THE COST OF THE STREET LIGHTS FOR THE PERIOD FROM THE DATES THE LIGHTS ARE ENERGIZED TO THE DATE THE ASSESSMENT DISTRICT IS FORMED. THE FEE MUST BE PAID PRIOR TO THE ENERGIZING OF THE STREET LIGHTS. THE DEVELOPER/APPLICANT SHALL CONTACT ANDY FIELD, PARK & RECREATION MAINTENANCE ASSESSMENT DISTRICT, AT (619) 533-6724 TO DETERMINE THE TOTAL FEE.

E. ALL PRIVATE STREET LIGHTS SHALL HAVE SEPARATE SERVICE POINT AND SHALL NOT BE CONNECTED TO THE CITY CIRCUITS.

F. ANY PRIVATE STREET LIGHTS SHOWN ON THESE PLANS ARE FOR INFORMATION ONLY. PROPOSED PRIVATE STREET LIGHTS SHALL BE PERMITTED AND INSPECTED UNDER A SEPARATE ELECTRICAL PERMIT.

STREET LIGHT NOTES (FOR CENTRE CITY AREA) ×

1. ALL STREET LIGHTS WITHIN THE CENTRE CITY AREA SHALL CONFORM TO CCDC (CENTRE CITY DEVELOPMENT CORPORATION) GUIDELINES AND STANDARDS AS STATED IN DRAFT CENTRE CITY STREETSCAPE MANUAL DATED AUGUST 20, 2003.
2. CONTRACTOR SHALL SUBMIT ALL STREET LIGHT SPECIFICATIONS TO CCDC FOR REVIEW AND APPROVAL PRIOR TO ORDERING OR INSTALLING NEW STREET LIGHTS IN THE PUBLIC RIGHT-OF-WAY. CONTACT ABBAS RASTANDEH, ASSOCIATE ENGINEER AT (619) 533-7113, RASTANDEH@CCDC.COM OR JOHN L. ANDERSON, RESIDENT ENGINEER, SENIOR PROJECT MANAGER AT (619) 533-7140 OR FAX (619) 236-9148.
3. CONTRACTOR INSTALLING THE STREET LIGHTING DISTRIBUTION SYSTEM SHALL NOTIFY CITY FIELD ENGINEER AT (858) 627-3200, A MINIMUM OF THREE (3) DAYS PRIOR TO STARTING OF WORK FOR APPROVAL OF CONDUIT, POLE LOCATIONS AND FIELD REQUIREMENTS.
4. CONTRACTOR SHALL VERIFY THAT ALL STREET LIGHTS ARE ACTIVATED AND NOTIFY CITY FIELD ENGINEER AT (858) 627-3200, A MAXIMUM OF FOUR (4) WEEKS AFTER FINAL ELECTRICAL INSPECTION.
5. NATIONAL ELECTRIC CODE (NEC) WIRE COLOR CODING SHALL BE USED FOR ALL ELECTRICAL WORK.
6. THE IMPROVEMENT PLANS SHOULD SHOW ALL OF THE EXISTING AND PROPOSED STREET LIGHTS, PULL BOXES AND SERVICE POINTS IN THE VICINITY OF THE PROJECT AREA.
7. STREET LIGHT SCHEDULE (SAMPLE)

STREET LIGHT #	STREET NAME	LOCATION REFERENCE*	CORNER/ STREET SIDE	TYPE OF WORK/WATTAGE**	POLE TYPE
1	7TH AVE.	@ MARKET ST.	NEC	(N) 250W HPS	15
2	MARKET ST.	W/O 4TH AVE., 45'	N/S	(N) 250W HPS	C

*LOCATION REFERENCE FOR MID-BLOCK STREET LIGHTS: APPROXIMATE DISTANCE FROM CENTERLINE OF NEAREST CROSS STREET.
**TYPE OF WORK: NEW (N), UPGRADE (U), AND RELOCATE (R).
***A(GATEWAY), C (STANDARD), GASLAMP, 15 (STEEL), OR SPECIAL.

8. CONTRACTOR SHALL REPAIR AND/OR REPAINT ALL EXISTING STREET LIGHTS TO "AS NEW" CONDITION AND TO THE SATISFACTION OF THE CITY ENGINEER. ALL EXISTING SHALL BE MODIFIED TO "FULL CUT OFF" AS REQUIRED PER CITY ORDINANCE. NEW WIRING AND CONDUIT SHALL BE REQUIRED TO A NEW SERVICE POINT, AS DIRECTED BY THE CITY FIELD ENGINEER.

TRUCK HAUL NOTES ×

THE CONTRACTOR SHALL SUBMIT A TRUCK HAUL ROUTE PLAN (11"X17") FOR APPROVAL PRIOR TO STARTING EXPORT OR IMPORT OF MATERIAL. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER, 3RD FLOOR, BOOTH 22, BUILDING, SAFETY & CONSTRUCTION DIVISION, DEVELOPMENT SERVICES CENTER, 1222 FIRST AVENUE, SAN DIEGO (619) 446-5150. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO STARTING WORK.

ADD THE FOLLOWING TRAFFIC CONTROL NOTES TO D-SHEET TRAFFIC CONTROL PLANS IF STREETS ARE WITH ADT OF 5,000 AND OVER (THESE NOTES SHALL BE LOCATED ON THE FIRST PAGE OF THE TRAFFIC CONTROL PLAN)

TRAFFIC CONTROL NOTES ×

1. VALIDATION: The TRAFFIC CONTROL PLAN is not valid until work dates and work hours are approved. The Contractor shall submit two (2) reduced copies of TRAFFIC CONTROL PLANS (11"X17") to the TRAFFIC CONTROL PERMIT COUNTER, 3rd floor DEVELOPMENT SERVICES CENTER, 1222 FIRST AVENUE, SAN DIEGO. The Contractor shall obtain a TRAFFIC CONTROL PERMIT a minimum of two (2) working days prior to starting work, and a minimum of five (5) days if work will affect a bus stop or an existing traffic signal, or if work will require a road or alley closure.
2. Contractor shall notify the City Traffic Engineer at (858) 495-4741 a minimum of five (5) working days prior to any construction work affecting Traffic Signals.
3. STANDARDS: The TRAFFIC CONTROL PLAN shall conform to the most recent adopted edition of each of the following manuals:

DESCRIPTION	EDITION	DOCUMENT NO.
STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (THE "GREENBOOK")	2012	PITS070112-01
CITY OF SAN DIEGO STANDARD DRAWINGS	2012	PITS070112-03
California manual on uniform traffic control devices (CA MUTCD)	2012	PITS070112-06

4. NOTIFICATIONS: The Contractor shall notify the following agencies a minimum of five (5) working days prior to any excavation, construction, or traffic control affecting the agencies listed below:

FIRE DEPARTMENT DISPATCH	(STREET or ALLEY CLOSURE)	(858) 573-1300
POLICE DEPARTMENT DISPATCH	(STREET or ALLEY CLOSURE)	(619) 531-2000
ENVIRONMENTAL SERVICES	(REFUSE COLLECTION)	(858) 492-5060
STREET DIVISION	(TRAFFIC SIGNALS)	(619) 527-7500
METROPOLITAN TRANSIT SYSTEM (MTS)	(BUS STOPS)	(619) 238-0100 ext. 6451
METROPOLITAN TRANSIT SYSTEM (MTS)	(Taxi Zones	(619) 235-2644
METROPOLITAN TRANSIT SYSTEM (MTS)	(Trolley Lines)	(619) 595-4930
UNDERGROUND SERVICE ALERT	(ANY EXCAVATION)	(800) 422-4133

The Contractor shall notify property owners and tenants a minimum of five (5) working days prior to closure of driveways. The Contractor shall post signs notifying the public a minimum of five (5) working days prior to closure of streets.

The Contractor shall notify Engineering Field Division at (858) 627-3200 and arrange for inspection a minimum of five (5) working days prior to starting any work involving nighttime or weekend hours.

5. POSTING PARKING RESTRICTIONS: The Contractor shall post tow-away/no parking signs twenty-four (24) hours in advance of parking removal. Signs shall indicate specific days, dates and times of restrictions. Parking meters shall be bagged where applicable.
6. EXCAVATIONS: Except when otherwise shown on the plans, all trenches shall be backfilled or trench-plated at the end of each workday. An asphalt ramp shall be placed around each trench plate to prevent the plate from being dislodged. Contractor shall monitor trench plates during non-working hours to ensure that they do not become dislodged. Upon completion of excavation backfill, the Contractor shall provide a satisfactory surface for traffic. When construction operations are not actively in progress, the Contractor shall maintain all travel lanes, bike lanes, and pedestrian walkways in the right-of-way except when otherwise shown on the plans.
7. Covered Pedestrian Walkway: The Contractor shall contact City Resident Engineer at (619) 627-3200 for inspection of any covered pedestrian walkway during construction of such walkway.
8. RESTORATION OF ROADWAY: The Contractor shall repair or replace all existing improvements within the right-of-way not designated for permanent removal (traffic signs, striping, pavement markers, pavement markings, legends, curb markings, loop detectors, traffic signal equipment, etc.) which are damaged or removed as a result of operations. Repairs and replacements shall be at least equal to existing improvement.
9. CHANGE IN WORK: The City Engineer reserves the right to observe these traffic control plans in operation and to make any changes as field conditions warrant. Any changes shall be documented and supersede these plans.

ADD THE FOLLOWING TRAFFIC CONTROL NOTE IF STREETS HAVE AN ADT OF LESS THAN 5,000 (THESE NOTES SHALL BE LOCATED ON THE FIRST PAGE OF THE PLAN SET)

TRAFFIC CONTROL NOTE ×

THE CONTRACTOR SHALL SUBMIT A TRAFFIC CONTROL PLAN (11"X17") FOR APPROVAL PRIOR TO STARTING WORK. THE PLAN SHOULD BE SUBMITTED TO THE TRAFFIC CONTROL PERMIT COUNTER, 3RD FLOOR, BOOTH 22, DEVELOPMENT SERVICES CENTER, 1222 FIRST AVENUE, SAN DIEGO, (619) 446-5150. CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PERMIT A MINIMUM OF TWO (2) WORKING DAYS PRIOR TO STARTING WORK, AND A MINIMUM OF FIVE (5) DAYS IF WORK WILL AFFECT A BUS STOP OR AN EXISTING TRAFFIC SIGNAL, OR IF WORK WILL REQUIRE A ROAD OR ALLEY CLOSURE.

RECLAIMED WATER SERVICE TABLE×

SERVICE NO.	STREET NAME	STATION	USER NO.	METER NUMBER	SERVICE SIZE	SERVICE LENGTH	GREATEST DISTANCE TO USER	COMMENTS
X	XXXX ST.	XX+XX.XX	XX	XX	XX"	XX'	XX'	

× IF APPLICABLE

COMPANY NAME
COMPANY ADDRESS
COMPANY PHONE
COMPANY FAX
COMPANY EMAIL

NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME
BRIEF LEGAL DESCRIPTION,
STATION LIMITS, OR
STREET/CROSS SECTION DESCRIPTION

CITY OF SAN DIEGO, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT
SHEET 2 OF XXX SHEETS

I.O. NO. _____
PROJECT NO. _____
V.T.M. _____

FOR CITY ENGINEER _____ DATE _____

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	XXX			
AS-BUILTS				

XXXX-XXXX
NAD83 COORDINATES
XXX-XXXX
LAMBERT COORDINATES

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

2-D

REMOVE THIS NOTE AFTER INSTRUCTIONS WITHIN THE IMPROVEMENT FORMAT SHEET (?) HAVE BEEN READ IN THEIR ENTIRETY.

CITY OF SAN DIEGO SAMPLE BORDER (1"=1')

SEWER NOTES ×

1. EACH LOT SHALL RECEIVE A 4-INCH SEWER HOUSE CONNECTION, UNLESS OTHERWISE INDICATED ON THE PLANS OR SPECIAL SPECIFICATIONS. LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. THE "AS-BUILT" LOCATIONS SHALL BE SHOWN ON THESE PLANS AND THE SEWER LATERAL TABLE COMPLETED PRIOR TO ACCEPTANCE OF THE SEWER FACILITIES.

2. LOCATE SEWER HOUSE CONNECTIONS OUT OF DRIVEWAYS AND A MINIMUM OF TEN FEET FROM TREES. THE SEWER HOUSE CONNECTIONS SHALL BE A MINIMUM OF 5 FEET DOWNHILL FROM THE WATER SERVICE.

3. PROVIDING SEWER FOR THIS DEVELOPMENT IS DEPENDENT UPON PRIOR CONSTRUCTION OF CERTAIN SEWER FACILITIES IN PREVIOUSLY APPROVED DEVELOPMENTS. IF THESE FACILITIES HAVE NOT BEEN CONSTRUCTED AND ACCEPTED BY THE CITY AT THE TIME OF CONNECTION, THEN CERTAIN PORTIONS OF THESE PREVIOUSLY APPROVED OR PLANNED SEWER FACILITIES, AS REQUIRED BY THE CITY ENGINEER, WILL BECOME OFF-SITE IMPROVEMENTS AS PART OF THIS DEVELOPMENT. PRIOR TO CONNECTION OF PUBLIC SEWER FACILITIES, THESE OFF-SITE IMPROVEMENTS MUST BE CONSTRUCTED AND ACCEPTED BY THE CITY AND DOCUMENTED AS A CONSTRUCTION CHANGE TO THE ORIGINAL APPROVED MYLARS FOR THIS DEVELOPMENT. THIS DEVELOPMENT'S SEWER FACILITIES ARE DEPENDENT UPON THE COMPLETION AND ACCEPTANCE OF THE FOLLOWING APPROVED SEWER FACILITIES:

(TITLE) (DRAWING NUMBER)

4. ALL VALVES FOR SEWER FORCE MAINS SHALL BE FLANGED TO CROSSES AND TEES.

5. ALL BURIED DUCTILE AND GRAY CAST IRON PIPE, FITTINGS, VALVES AND APPURTENANCES SHALL BE COATED WITH A DIELECTRIC COATING: A LIQUID EPOXY COATING SYSTEM PER AWWA C-210 AT 24 MILS MINIMUM DRY FILM THICKNESS (MDFT), A COLD APPLIED THREE PART SYSTEM PETROLEUM WAX TAPE PER AWWA C-217, OR A POLYURETHANE COATING OF 24 MILS MDFT SUITABLE FOR BURIED USE.

6. SHOP DRAWING SUBMITTALS: PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE PREPARED AND APPROVED BY THE ENGINEER OF RECORD. THE ENGINEER OF RECORD SHALL CERTIFY THAT THE SHOP DRAWINGS MEET THE INTENT OF THE SIGNED DESIGN PLANS AND SPECIFICATIONS. THE APPROVED SHOP DRAWINGS SHALL THEN BE SUBMITTED TO THE RESIDENT ENGINEER FOR A 6 (SIX) WEEK REVIEW PERIOD. ONCE THE SHOP DRAWINGS HAVE BEEN ACCEPTED BY THE RESIDENT ENGINEER, THE MATERIALS MAY BE MANUFACTURED AT THE PLANT. REQUESTS FOR PLANT INSPECTIONS MUST BE MADE A MINIMUM OF 2 (TWO) WORKING DAYS PRIOR TO MANUFACTURING IF THE PLANT IS LOCATED IN THE SOUTHERN CALIFORNIA AREA. ALL PLANTS LOCATED OUTSIDE OF SOUTHERN CALIFORNIA MUST SCHEDULE INSPECTION A MINIMUM OF 7 (SEVEN) WORKING DAYS PRIOR TO MANUFACTURING. REFER TO THE 2000 EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, SECTION 4-1.3, FOR INSPECTION REQUIREMENTS.

7. ALL HORIZONTAL SEPARATION DIMENSIONS SHOWN BETWEEN WATER AND SEWER MAINS SHALL BE MEASURED FROM THE NEAREST EDGE OF EACH PIPELINE PER STATE OF CALIFORNIA, DEPARTMENT OF HEALTH SERVICES, BASIC SEPARATION STANDARDS. MINIMUM SEPARATION BETWEEN WATER AND SEWER MAINS SHALL BE 10 FOOT HORIZONTAL AND 1 FOOT VERTICAL.

8. PRIVATE ON SITE SEWER IS SHOWN IN BOTH PLAN AND PROFILE FOR REFERENCE ONLY TO AVOID CONFLICTS AND TO SHOW CONNECTIONS TO PUBLIC LATERALS OR MAINS. ALL PRIVATE SEWER SHOWN SHALL BE INSTALLED UNDER SEPARATE PERMIT.

9. ALL PROPOSED PUBLIC SEWER FACILITY INSTALLATIONS SHALL BE CONSTRUCTED WITH MATERIALS CURRENTLY LISTED IN THE MOST CURRENT EDITION OF THE CITY OF SAN DIEGO WATER AND MUNICIPAL SEWER APPROVED MATERIALS LIST AS REFERENCED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

10. IN "GATED COMMUNITIES", THE DEVELOPER SHALL BE RESPONSIBLE FOR PROVIDING THE METROPOLITAN WASTEWATER DEPARTMENT/WASTEWATER COLLECTIONS DIVISION WITH KEYED ACCESS.

ADDITIONAL NOTES MAY BE REQUIRED BY THE PLAN REVIEWER TO ADDRESS SPECIFIC PROJECT REQUIREMENTS AND MAY INCLUDE THE FOLLOWING:.

A. ALL PROPOSED SEWER SHOWN ON THESE PLANS SHALL ADHERE TO THE REQUIREMENTS OF THE CITY OF SAN DIEGO, SEWER DESIGN GUIDE, DOCUMENT NO. 769875, FILED JUNE 11, 2001.

B. ALL EXISTING UNUSED SEWER LATERALS SHALL BE PLUGGED AT PROPERTY LINE BY CONTRACTOR.

C. PRIOR TO CONNECTING TO ANY EXISTING SEWER LATERAL, IT SHALL BE CLOSED CIRCUIT TELEVISION INSPECTED BY A CALIFORNIA LICENSED PLUMBING CONTRACTOR TO VERIFY LATERAL IS IN GOOD WORKING CONDITION AND FREE OF ALL DEBRIS.

D. NO SHRUBS MORE THAN 3 FEET IN HEIGHT AT MATURITY OR TREES ALLOWED WITHIN 10 FEET OF ANY PUBLIC SEWER MAINS OR SEWER LATERALS. NO PRESSURIZED LANDSCAPE IRRIGATION MAINS ALLOWED WITHIN ANY SEWER EASEMENTS.

E. ALL DUCTILE IRON PIPE PROPOSED FOR SEWER FORCE MAINS OR GRAVITY SEWER MAINS SHALL BE POLYURETHANE COATED AND LINED PER SECTION 02630 OF THE CLEAN WATER PROGRAM GUIDELINES. THE PIPE EXTERIOR SHALL BE 40 MILS MINIMUM DRY FILM THICKNESS (MDFT), AND THE PIPE INTERIOR SHALL BE 30 MILS MINIMUM DRY FILM THICKNESS (MDFT).

F. PRIVATE SEWERAGE SYSTEM DESIGN CERTIFICATION: I HEREBY DECLARE THAT I AM THE ENGINEER OF WORK FOR THE PROJECT, THAT I HAVE EXERCISED RESPONSIBLE CHARGE OVER THE DESIGN OF THE PRIVATE SEWERAGE SYSTEM WHICH IS LOCATED WITHIN THE SEWER / WATER / GENERAL UTILITY EASEMENT / AND OR THE PUBLIC RIGHT-OF-WAY, AND THAT THE DESIGN IS CONSISTENT WITH CURRENT STANDARDS AS REQUIRED BY THE CALIFORNIA PLUMBING CODE (CPC) 2000 EDITION AND THAT ALL REQUIRED "ENCROACHMENT AND MAINTENANCE AND REMOVAL AGREEMENT" FORMS, EXHIBITS AND NOTARY HAVE BEEN SUBMITTED FOR RECORDATION. I UNDERSTAND THAT THE CHECK OF PROJECT DRAWINGS AND SPECIFICATIONS BY THE CITY OF SAN DIEGO IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK, OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

G. FOR ALL SEWER PLANS: THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, CODES, ORDERS, AND REGULATIONS WHICH IN ANY MANNER AFFECT THE CONDUCT OF THE WORK, SPECIFICALLY AS IT RELATES TO SEWAGE SPILLS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PREVENTING SEWAGE SPILLS, FOR CONTAINING SEWAGE SPILLS, AND FOR RECOVERY AND LEGAL DISPOSAL OF ANY SPILLED SEWAGE, AND FOR ANY FINES, PENALTIES, CLAIMS AND LIABILITY ARISING FROM CAUSING A SEWAGE SPILL, AND FOR ANY VIOLATION OF ANY LAW, ORDINANCE, CODE, ORDER, OR REGULATION AS A RESULT OF THE SPILL(S).

H. FOR WORK INVOLVING CONNECTION TO EXISTING FACILITIES: PRIOR TO THE START OF CONSTRUCTION WHICH INVOLVES ANY EXISTING WASTEWATER FACILITIES, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND SUBMITTING TO THE RESIDENT ENGINEER FOR REVIEW AND APPROVAL, A WASTEWATER FLOW DIVERSION PLAN IN COMPLIANCE WITH THE CITY'S POLICY OF "ZERO SPILLS" AT LEAST FIFTEEN WORKING DAYS PRIOR TO IMPLEMENTATION OF THE PLAN. THE DIVERSION PLAN SHALL INCLUDE AN EMERGENCY RESPONSE PLAN INDICATING THE PROCEDURES, EQUIPMENT, AND ACTIVITIES THAT WILL BE IMPLEMENTED IN THE EVENT OF AN EMERGENCY SHUTDOWN OR FAILURE OF THE FLOW DIVERSION EQUIPMENT USED FOR CONSTRUCTION THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE EMERGENCY PLAN IN ACCORDANCE WITH SECTION 7-8.8.1 OF THE 2003 CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS (DOC. NO. AEC 701041) TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

SEWER NOTES (CONTINUED)

I. FOR WORK WHERE BYPASS PUMPING MAY BE INVOLVED ADD: AT LEAST 15 WORKING DAYS PRIOR TO THE IMPLEMENTATION OF ANY FLOW DIVERSION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR DEVELOPING AND SUBMITTING TO THE RESIDENT ENGINEER, FOR REVIEW AND APPROVAL, A WASTEWATER FLOW DIVERSION PLAN. THE CONTRACTOR'S WASTEWATER FLOW DIVERSION PLAN SHALL BE REVIEWED AND APPROVED BY THE WASTEWATER COLLECTION DIVISION, METROPOLITAN WASTEWATER DEPARTMENT, BEFORE ANY FLOW CAN BE DIVERTED. THE DIVERSION PLAN SHALL INDICATE THE SEQUENCE OF DIVERSION OPERATIONS AND ALL OTHER OPERATIONS THE CONTRACTOR WILL ESTABLISH TO MAINTAIN WASTEWATER SERVICE DURING THE CONSTRUCTION PERIOD. THE DIVERSION PLAN SHALL INCLUDE A COMPREHENSIVE EMERGENCY RESPONSE PLAN, INCLUDING STANDBY REDUNDANT BY-PASS EQUIPMENT, IN THE EVENT OF AN EMERGENCY SHUTDOWN OR FAILURE OF THE FLOW DIVERSION EQUIPMENT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR IMPLEMENTATION OF THE EMERGENCY PLAN IN ACCORDANCE WITH SECTION 7-8.8.1 OF THE 2003 CITY OF SAN DIEGO SUPPLEMENT AMENDMENTS (DOC. NO. AEC 701041) TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.

WATER NOTES ×

1. EACH LOT SHALL RECEIVE A 1-INCH WATER SERVICE, UNLESS INDICATED ON THE PLANS OR SPECIAL SPECIFICATIONS. LOCATIONS ARE TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. THE "AS-BUILT" LOCATIONS SHALL BE SHOWN ON THESE PLANS AND THE SEWER LATERAL TABLE COMPLETED PRIOR TO ACCEPTANCE OF THE WATER FACILITIES.

2. LOCATE WATER SERVICE HOUSE CONNECTIONS OUT OF DRIVEWAYS. THE SEWER HOUSE CONNECTIONS SHALL BE A MINIMUM OF 5 FEET DOWNHILL FROM THE WATER SERVICE.

3. ALL CONNECTIONS TO EXISTING WATER MAINS ARE TO BE DONE BY THE CITY'S DEPARTMENT FOR WHICH THE FOLLOWING FEES WILL BE CHARGED. IF THE WATER CONNECTIONS ARE NOT READY TO BE MADE AND THE FEES PAID BEFORE __ THE CITY RESERVES THE RIGHT TO ADJUST THE FEES ACCORDING TO THE FEE SCHEDULE IN EFFECT AT THE TIME THE CONNECTIONS ARE MADE. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO EXPOSE THE EXISTING MAIN AT THE CONNECTION POINT AND TO INSTALL THE NEW MAIN AT THE ALIGNMENT AND GRADE WHICH WILL PERMIT THE CITY TO MAKE A "STRAIGHT-IN" CONNECTION WITHOUT USING MORE THAN 10 LINEAL FEET OF PIPE.

	COST	TYPE OF CONNECTION	SHEET
ITEM NO.1:	$XXXX	XXXXX	X
ITEM NO.2:	$XXXX	XXXXX	X

* EXAMPLE CONNECTION

CONTRACTOR TO SET SADDLE/TAPPING SLEEVE AND CORPORATION STOP/TAPPING VALVE FOR ALL WET TAPS APPROVAL BY THE SHUTDOWN COMMITTEE IS REQUIRED FOR ALL MAJOR PIPELINES 16" AND LARGER. SHUTDOWN WINDOW PERIOD IS BETWEEN NOVEMBER 1 TILL APRIL 1 OF THE FOLLOWING YEAR, WHEN WATER DEMAND IS LOWER.

4. PROVIDING WATER FOR THIS DEVELOPMENT IS DEPENDENT UPON PRIOR CONSTRUCTION OF CERTAIN WATER FACILITIES IN PREVIOUSLY APPROVED DEVELOPMENTS. IF THESE FACILITIES HAVE NOT BEEN CONSTRUCTED AND ACCEPTED BY THE CITY AT THE TIME OF CONNECTION, THEN CERTAIN PORTIONS OF THESE PREVIOUSLY APPROVED OR PLANNED WATER FACILITIES, AS REQUIRED BY THE CITY ENGINEER, WILL BECOME OFF-SITE IMPROVEMENTS AS PART OF THIS DEVELOPMENT. PRIOR TO CONNECTION TO PUBLIC WATER FACILITIES, THESE OFF-SITE IMPROVEMENTS MUST BE CONSTRUCTED AND ACCEPTED BY THE CITY AND DOCUMENTED AS A CONSTRUCTION CHANGE TO THE ORIGINAL APPROVED MYLARS FOR THIS DEVELOPMENT. THIS DEVELOPMENT'S WATER FACILITIES ARE DEPENDENT UPON THE COMPLETION AND ACCEPTANCE OF THE FOLLOWING APPROVED WATER FACILITIES:

(TITLE) (DRAWING NUMBER)

5. ALL VALVES WILL BE FLANGED TO CROSSES AND TEES. ONLY GATE VALVES SHALL BE USED IN FIRE HYDRANT INSTALLATIONS. ALL BURIED DUCTILE AND GRAY CAST IRON PIPE, FITTINGS, VALVES AND APPURTENANCES SHALL BE COATED WITH A DIELECTRIC COATING: A LIQUID EPOXY COATING SYSTEM PER AWWA C-210 AT 24 MILS MINIMUM DRY FILM THICKNESS (MDFT), OR A COLD APPLIED THREE PART SYSTEM PETROLEUM WAX TAPE PER AWWA C-217, OR A 100% POLYURETHANE COATING OF 24 MILS MDFT SUITABLE FOR BURIED USE.

6. ALL PROPOSED WATER FACILITY INSTALLATIONS SHALL BE CONSTRUCTED WITH MATERIALS CURRENTLY LISTED IN THE MOST CURRENT EDITION OF THE CITY OF SAN DIEGO WATER UTILITIES DEPARTMENT APPROVED MATERIALS LIST AS REFERENCED IN THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION. RECENT REVISIONS INCLUDE BUT IS NOT LIMITED TO THE REQUIREMENT FOR POLYMER CONCRETE WATER METER BOXES INSTEAD OF THE STANDARD PRECAST WATER METER BOXES.

7. ALL HORIZONTAL AND VERTICAL SEPARATION DIMENSIONS SHOWN BETWEEN WATER AND SEWER MAINS SHALL BE MEASURED FROM THE NEAREST EDGE OF EACH PIPELINE PER STATE OF CALIFORNIA, DEPARTMENT OF HEALTH SERVICES, BASIC SEPARATION STANDARDS. MINIMUM SEPARATION BETWEEN WATER AND SEWER MAINS SHALL BE 10 FOOT HORIZONTAL AND 1 FOOT VERTICAL.

PRIVATE NOTE ×

ALL ONSITE, PRIVATE IMPROVEMENTS SHOWN ON THIS DRAWING ARE FOR INFOMRATION ONLY. THE CITY ENGINEER'S APPROVAL OF THIS DRAWING, IN NO WAY CONSTITUTES AN APPROVAL OF SAID PRIVATE IMPROVEMENTS. A SEPARATE PERMIT FOR SUCH IMPROVEMENTS MAY BE REQUIRED.

CURB RAMP NOTE ×

THE REQUIRED DETECTABLE WARNING (TRUNCATED DOMES) ON CURB RAMPS ARE TO COMPLY WITH THE CITY STANDARDS (SDG-130) AND SPECIFICATIONS. A 12" X 12" (MIN.) SAMPLE OF THE DETECTABLE WARNING, THE PRODUCTS' TEST REPORT AND A COPY OF THE MANUFACTURER'S INSTALLATION INSTRUCTION MUST BE SUBMITTED TO THE DESIGNATED CITY RESIDENT ENGINEER FOR REVIEW PRIOR TO INSTALLATION. FAILURE TO COMPLY WITH THE STANDARDS, SPECIFICATIONS AND SAMPLE SUMBMITTAL REVIEW PROCESS WILL RESULT IN THE REMOVAL OR REPLACEMENT OF THE DETECTABLE WARNING AND/OR CURB RAMP(S) AT CONTRACTOR AND/OR OWNER'S EXPENSE.

NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE

EROSION AND SEDIMENT CONTROL NOTES ×

TEMPORARY EROSION/SEDIMENT CONTROL, PRIOR TO COMPLETION OF FINAL IMPROVEMENTS, SHALL BE PERFORMED BY THE CONTRACTOR OR QUALIFIED PERSON AS INDICATED BELOW:

1. ALL REQUIREMENTS OF THE CITY OF SAN DIEGO "LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS" MUST BE INCORPORATED INTO THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP), WATER QUALITY TECHNICAL REPORT (WQTR), AND/OR WATER POLLUTION CONTROL PLAN (WPCP).

2. FOR STORM DRAIN INLETS, PROVIDE A GRAVEL BAG SILT BASIN IMMEDIATELY UPSTREAM OF INLET AS INDICATED ON DETAILS.

3. FOR INLETS LOCATED AT SUMPS ADJACENT TO TOP OF SLOPES, THE CONTRACTOR SHALL ENSURE THAT WATER DRAINING TO THE SUMP IS DIRECTED INTO THE INLET AND THAT A MINIMUM OF 1.00' FREEBOARD EXISTS AND IS MAINTAINED ABOVE THE TOP OF THE INLET. IF FREEBOARD IS NOT PROVIDED BY GRADING SHOWN ON THESE PLANS, THE CONTRACTOR SHALL PROVIDE IT VIA TEMPORARY MEASURES, I.E. GRAVEL BAGS OR DIKES.

4. THE CONTRACTOR OR QUALIFIED PERSON SHALL BE RESPONSIBLE FOR CLEANUP OF SILT AND MUD ON ADJACENT STREET(S) AND STORM DRAIN SYSTEM DUE TO CONSTRUCTION ACTIVITY.

5. THE CONTRACTOR OR QUALIFIED PERSON SHALL CHECK AND MAINTAIN ALL LINED AND UNLINED DITCHES AFTER EACH RAINFALL.

6. THE CONTRACTOR SHALL REMOVE SILT AND DEBRIS AFTER EACH MAJOR RAINFALL.

7. EQUIPMENT AND WORKERS FOR EMERGENCY WORK SHALL BE MADE AVAILABLE AT ALL TIMES DURING THE RAINY SEASON. ALL NECESSARY MATERIALS SHALL BE STOCKPILED ON SITE AT CONVENIENT LOCATIONS TO FACILITATE RAPID CONSTRUCTION OF TEMPORARY DEVICES WHEN RAIN IS IMMINENT.

8. THE CONTRACTOR SHALL RESTORE ALL EROSION/SEDIMENT CONTROL DEVICES TO WORKING ORDER TO THE SATISFACTION OF THE CITY ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUCING RAINFALL.

9. THE CONTRACTOR SHALL INSTALL ADDITIONAL EROSION/SEDIMENT CONTROL MEASURES AS MAY BE REQUIRED BY THE RESIDENT ENGINEER DUE TO UNCOMPLETED GRADING OPERATIONS OR UNFORESEEN CIRCUMSTANCES, WHICH MAY ARISE.

10. THE CONTRACTOR SHALL BE RESPONSIBLE AND SHALL TAKE NECESSARY PRECAUTIONS TO PREVENT PUBLIC TRESPASS ONTO AREAS WHERE IMPOUNDED WATERS CREATE A HAZARDOUS CONDITION.

11. ALL EROSION/SEDIMENT CONTROL MEASURES PROVIDED PER THE APPROVED GRADING PLAN SHALL BE INCORPORATED HEREON. ALL EROSION/SEDIMENT CONTROL FOR INTERIM CONDITIONS SHALL BE DONE TO THE SATISFACTION OF THE RESIDENT ENGINEER.

12. GRADED AREAS AROUND THE PROJECT PERIMETER MUST DRAIN AWAY FROM THE FACE OF THE SLOPE AT THE CONCLUSION OF EACH WORKING DAY.

13. ALL REMOVABLE PROTECTIVE DEVICES SHOWN SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHEN RAIN IS IMMINENT.

14. THE CONTRACTOR SHALL ONLY GRADE, INCLUDING CLEARING AND GRUBBING FOR THE AREAS FOR WHICH THE CONTRACTOR OR QUALIFIED PERSON CAN PROVIDE EROSION/SEDIMENT CONTROL MEASURES.

15. THE CONTRACTOR SHALL ARRANGE FOR WEEKLY MEETINGS DURING OCTOBER 1ST TO APRIL 30TH FOR PROJECT TEAM (GENERAL CONTRACTOR, QUALIFIED PERSON, EROSION CONTROL SUBCONTRACTOR IF ANY, ENGINEER OF WORK, OWNER/DEVELOPER AND THE RESIDENT ENGINEER) TO EVALUATE THE ADEQUACY OF THE EROSION/SEDIMENT CONTROL MEASURES AND OTHER RELATED CONSTRUCTION ACTIVITIES.

MINIMUM POST-CONSTRUCTION MAINTENANCE PLAN ×

AT THE COMPLETION OF THE WORK SHOWN, THE FOLLOWING PLAN SHALL BE FOLLOWED TO ENSURE WATER QUALITY CONTROL IS MAINTAINED FOR THE LIFE OF THE PROJECT:

1. STABILIZATION: ALL PLANTED SLOPES AND OTHER VEGETATED AREAS SHALL BE INSPECTED PRIOR TO OCTOBER 1 OF EACH YEAR AND AFTER MAJOR RAINFALL EVENTS (MORE THAN ½ INCH) AND REPAIRED AND REPLANTED AS NEEDED UNTIL A NOTICE OF TERMINATION (NOT) IS FILED.

2. STRUCTURAL PRACTICES: DESILTING BASINS, DIVERSION DITCHES, DOWNDRAINS, INLETS, OUTLET PROTECTION MEASURES, AND OTHER PERMANENT WATER QUALITY AND SEDIMENT AND EROSION CONTROLS SHALL BE INSPECTED PRIOR TO OCTOBER 1ST OF EACH YEAR AND AFTER MAJOR RAINFALL EVENTS (MORE THAN ½ INCH). REPAIRS AND REPLACEMENTS SHALL BE MADE AS NEEDED AND RECORDED IN THE MAINTENANCE LOG IN PERPETUITY.

3. OPERATION AND MAINTENANCE, FUNDING: POST-CONSTRUCTION MANAGEMENT MEASURES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL THE TRANSFER OF RESPECTIVE SITES TO HOME BUILDERS, INDIVIDUAL OWNERS, HOMEOWNERS ASSOCIATIONS, SCHOOL DISTRICTS, OR LOCAL AGENCIES AND/OR GOVERNMENTS. AT THAT TIME, THE NEW OWNERS SHALL ASSUME RESPONSIBILITY FOR THEIR RESPECTIVE PORTIONS OF THE DEVELOPMENT.

PERMANENT POST-CONSTRUCTION BMP NOTES ×

1. OPERATION AND MAINTENANCE SHALL BE SECURED BY AN EXECUTED AND RECORDED STORM WATER MANAGEMENT AND DISCHARGE CONTROL MAINTENANCE AGREEMENT (SWMDCMA), OR ANOTHER MECHANISM APPROVED BY THE CITY ENGINEER, THAT ASSURES ALL PERMANENT BMP'S WILL BE MAINTAINED IN PERPETUITY, PER THE LAND DEVELOPMENT MANUAL, STORM WATER STANDARDS.

2. PERMANENT POST CONSTRUCTION BMP DEVICES SHOWN ON PLAN SHALL NOT BE MOVED OR MODIFIED WITHOUT THE APPROVAL OF THE CITY ENGINEER OR RESIDENT ENGINEER AND THE ENGINEER OF WORK.

× IF APPLICABLE

COMPANY NAME
COMPANY ADDRESS
COMPANY PHONE
COMPANY FAX
COMPANY EMAIL

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME

BRIEF LEGAL DESCRIPTION, STATION LIMITS, OR STREET/CROSS SECTION DESCRIPTION

CITY OF SAN DIEGO, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT
SHEET 3 OF XXX SHEETS

I.O. NO. _____
PROJECT NO. _____

FOR CITY ENGINEER _____ DATE _____

V.T.M. _____

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	XXX			
AS-BUILTS				

XXXX-XXXX
NAD83 COORDINATES

XXX-XXXX
LAMBERT COORDINATES

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

3-D

REMOVE THIS NOTE AFTER INSTRUCTIONS WITHIN THE IMPROVEMENT FORMAT SHEET (?) HAVE BEEN READ IN THEIR ENTIRETY.

TRAFFIC SIGNAL GENERAL NOTES ×

1. PULL BOXES SHALL BE NO. 6, AND CONDUIT 3" UNLESS NOTED OTHERWISE.
2. LOCATION OF ALL UNDERGROUND UTILITIES ARE APPROXIMATE. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATIONS AND VERIFY ALL CONDITIONS ON THE JOB SITE.
3. THE TRAFFIC SIGNAL CONTRACTOR SHALL OBTAIN A TRAFFIC CONTROL PLAN PERMIT FROM THE CITY OF SAN DIEGO PERMIT CENTER A MINIMUM OF FIVE (5) WORKING DAYS PRIOR TO START OF WORK.
4. ALL TRAFFIC SIGNAL POLE FOUNDATIONS SHALL HAVE A 3" CONDUIT INSTALLED TO THE ADJACENT PULL BOX AND THE CONTROLLER FOUNDATION SHALL HAVE A SPARE 3" CONDUIT INSTALLED TO THE ADJACENT #6 PULL BOX FOR FUTURE USE.
5. THE TRAFFIC SIGNAL CONTRACTOR IS RESPONSIBLE FOR THE LAYOUT AND INSTALLATION OF LOOP DETECTORS, TRAFFIC STRIPING, PAVEMENT MARKINGS, PARKING REMOVAL AND TRAFFIC SIGNING (EXCEPT "G" SERIES STREET NAME SIGNS) AS SHOWN ON THESE PLANS.
A. THE TRAFFIC SIGNAL CONTRACTOR SHALL OBTAIN THE APPROVAL OF CITY RESIDENT ENGINEER OF THE LOOP LOCATION PRIOR TO CUTTING AND THE STRIPING, PAVEMENT MARKING, PARKING REMOVAL AND SIGN LOCATIONS PRIOR TO PAINTING AND INSTALLATION.
B. AFTER APPROVAL OF LOCATION, THE TRAFFIC SIGNAL CONTRACTOR SHALL WAIT A MINIMUM OF FIFTEEN (15) WORKING DAYS BEFORE PERMANENTLY REMOVING ANY PARKING, SO THAT ADVANCE NOTICE TO ADJACENT PROPERTY OWNERS CAN BE MADE BY THE CITY.
C. THE TRAFFIC SIGNAL CONTRACTOR IS RESPONSIBLE FOR THE REMOVAL OF ALL UNNECESSARY AND CONFLICTING STRIPING AND PAVEMENT MARKINGS.
6. THE TRAFFIC SIGNAL CONTRACTOR SHALL NOT ERECT ANY SIGNAL STANDARDS MORE THAN THREE (3) WEEKS PRIOR TO SCHEDULED TRAFFIC SIGNAL TURN ON.
7. CONTRACTOR SHALL PROVIDE ALL CABLING AND CONDUCTORS NECESSARY TO PERFORM ALL FUNCTIONS SHOWN ON THESE PLANS.
8. ALL POLES, CONDUIT, PULL BOXES, STRIPING AND LOOP DETECTOR LOCATIONS SHOWN ON THESE PLANS ARE APPROXIMATE. ACTUAL LOCATIONS SHALL BE DETERMINED BY FIELD CONDITIONS AT THE TIME OF CONSTRUCTION AND AS DIRECTED BY THE CITY OF SAN DIEGO.
9. ROUTING AND LOCATIONS OF UNDERGROUND ELECTRICAL SYSTEM IS DIAGRAMMATIC AND SUBJECT TO APPROVAL OF THE ENGINEER. UNDERGROUND ELECTRICAL LINES AND SUBSURFACE STRUCTURES MAY BE RELOCATED IF NECESSARY TO CLEAR OTHER EXISTING UNDERGROUND FACILITIES.
10. ALL TREES AND SHRUBS SHALL BE TRIMMED OR REMOVED AS DETERMINED BY THE CITY RESIDENT ENGINEER AS REQUIRED TO MAINTAIN SIGNAL HEAD VISIBILITY AND SIGHT DISTANCE.
11. ALL VEHICLE SIGNAL HEADS SHALL BE 12" WITH BACK PLATES.
12. ALL VEHICLE AND PEDESTRIAN INDICATIONS SHALL BE OF THE L.E.D. TYPE.

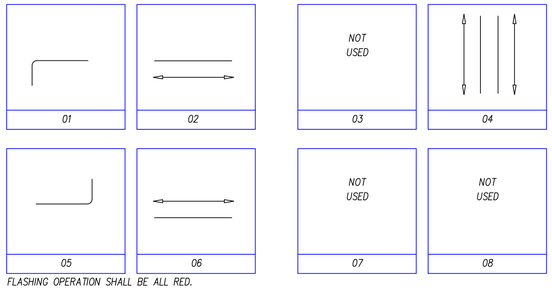
CONDUCTOR TABLE ×

AWG SIZE OR CABLE TYPE	PHASE	POLE OR CIRCUIT	CONDUIT SIZE & RUN 3" (1)	3" (2)	3" (3)	3" (4)	3" (5)	2-3" (6)
CONDUCTORS 3 / 12	CONDUCTORS	POLE – A						
		POLE – B						
		POLE – C						
		POLE – D						
TOTAL CABLES		3 CONDUCTOR/12 CONDUCTOR						
NUMBER 6		SIGNAL SERVICE	_	_	_	_	_	_
10		LIGHTING	_	_	_	_	_	_
6 PAIR NO.22		INTERCONNECT CABLE	_	_	_	_	_	_
TYPE "B" DLC		LOOP DETECTOR	_	_	_	_	_	_
		" "	_	_	_	_	_	_
		" "	_	_	_	_	_	_
		" "	_	_	_	_	_	_
		TOTAL DLC	_	_	_	_	_	_
EMERGENCY VEHICLE DETECTOR (EV-DLC)			_	_	_	_	_	_

DETECTOR ASSIGNMENT ×

DETECTOR	PHASE	SLOT	FIELD TERMINAL
1	2	I2U	T2-5 & 6
2	2	I2L	T2-7 & 8
3	2	I3U	T2-9 & 10
4	5	J1U	T3-1 & 2
5	6	J2U	T3-5 & 6
6	6	J2L	T3-7 & 8
7	6	J3U	T3-9 & 10
8	1	I1U	T2-1 & 2
9	4	I6U	T4-9 & 10
10	4	I6L	T4-11 & 12
11	8	J6U	T5-9 & 10
12	8	J6L	T5-11 & 12
PPB	2	I12U	T8-4 & COM 6
PPB	4	I12L	T8-5 & COM 6
PPB	6	I13U	T8-7 & COM 9
PPB	8	I13L	T8-8 & COM 9
EVA	2+5	J12U	T9-4 & COM 6
EVB	4	J13U	T9-7 & COM 9
EVC	1+6	J12L	T9-5 & COM 6
EVD	8	J13L	T9-8 & COM 9
FLASH	–	I14U	T8-10 & COM 12

PHASE DIAGRAM ×

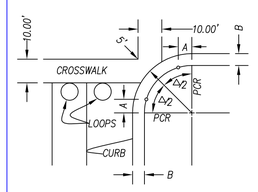


FLASHING OPERATION SHALL BE ALL RED.

POLE SCHEDULE ×

NO.	STANDARD TYPE	STANDARD HGT	STANDARD SIG. M.A.	STANDARD LUM. M.A.	LUMINARE CO-LPS	PLACEMENT A	PLACEMENT B	SIGNAL MOUNTING VEHICLE	PEDESTRIAN SIGNAL	PEDESTRIAN PPB	REMARKS
A	–	–	–	–	–	–	–	–	–		–
B	–	–	–	–	–	–	–	–	–		–
C	–	–	–	–	–	–	–	–	–		–
D	–	–	–	–	–	–	–	–	–		–
–	–	–	–	–	–	–	–	–	–		–
–	–	–	–	–	–	–	–	–	–		–

ALL VEHICLE HEADS SHALL BE 12" WITH BACKPLATES AND GLASS LENSES. ANCHOR BOLT NUT COVERS SHALL BE PROVIDED.



PLACEMENT DETAIL

TRAFFIC SIGNAL CONSTRUCTION NOTES ×

1. CONSTRUCT FOUNDATION, FURNISH AND INSTALL TYPE 332 ALUMINUM CABINET, AND CONTROLLER ASSEMBLY PER CITY SPECIFICATIONS, WIRED FOR 8-PHASE CAPABILITY, AND INCLUDE ALL ACCESSORIES NECESSARY TO PROVIDE THE PHASING AND PERFORM ALL FUNCTIONS INDICATED ON THESE PLANS.
2. FURNISH AND INSTALL TYPE III SIGNAL AND LIGHTING SERVICE CABINET PER CITY OF SAN DIEGO AND SDG&E CO. REQUIREMENTS. PROVIDE 50A-1P CIRCUIT BREAKER FOR METERED TRAFFIC SIGNALS, 30A-1P CIRCUIT BREAKER FOR UNMETERED STREET LIGHTS. VERIFY SERVICE LOCATION AND REQUIREMENTS WITH SAN DIEGO GAS AND ELECTRIC CO.
3. INSTALL BI-DIRECTIONAL DUAL CHANNEL EMERGENCY VEHICLE PREEMPTION DETECTOR (E.V.P.E.) PER CITY OF SAN DIEGO REQUIREMENTS.
4. INSTALL TYPE "A" HANDHOLE PER ES-5E WITH LOCKING COVER. NO SPLICING IN HANDHOLE.

× IF APPLICABLE

COMPANY NAME
COMPANY ADDRESS
COMPANY PHONE
COMPANY FAX
COMPANY EMAIL

NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME

BRIEF LEGAL DESCRIPTION, STATION LIMITS, OR STREET/CROSS SECTION DESCRIPTION

CITY OF SAN DIEGO, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT
SHEET 4 OF XXX SHEETS

I.O. NO.
PROJECT NO.
V.T.M.

FOR CITY ENGINEER DATE

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	XXX			
AS-BUILTS				

XXXX-XXXX NAD83 COORDINATES
XXX-XXXX LAMBERT COORDINATES

CONTRACTOR DATE STARTED
INSPECTOR DATE COMPLETED

4-D

REMOVE THIS NOTE AFTER INSTRUCTIONS WITHIN THE IMPROVEMENT FORMAT SHEET (?) HAVE BEEN READ IN THEIR ENTIRETY.

COMPANY NAME
COMPANY ADDRESS
COMPANY PHONE
COMPANY FAX
COMPANY EMAIL

NAME R.C.E. NO. XXXXX EXP. XX-XX-XX DATE

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

CITY OF SAN DIEGO, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT
SHEET OF **XXX** SHEETS

I.O. NO. _____
PROJECT NO. _____

FOR CITY ENGINEER _____ DATE _____

V.T.M. _____

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	XXX			
AS-BUILTS				

XXXX-XXXX
NAD83 COORDINATES

XXX-XXXX
LAMBERT COORDINATES

CONTRACTOR _____ DATE STARTED _____
INSPECTOR _____ DATE COMPLETED _____

-D

REMOVE THIS NOTE AFTER INSTRUCTIONS WITHIN THE IMPROVEMENT FORMAT SHEET (?) HAVE BEEN READ IN THEIR ENTIRETY.