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, SUCH MONUMENTS SHALL BE REPLACED WITH APPROPRIATE MONUMENTS BY A LAND SURVEYOR. A CORNER RECORD OR RECORD OF SURVEY, AS APPROPRIATE , SHALL BE FILED AS REQUIRED BY THE PROFESSIONAL LAND SURVEYORS ACT. 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 CONTROL PROGRAM DURING THE PROJECT 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. 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/IMPROVEMENT 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.

IMPROVEMENT PLANS FOR:

PROJECT NAME

KEY MAP

1"=X'

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.

TOPOGRAPHY SOURCE

TOPO SOURCE COMPANY WITH COMPLETE ADDRESS AND PHONE.
TOPO SOURCE METHOD (I.E. A.L.T.A., PHOTOGRAMMETRY, ETC...)
TOPO SOURCE DATE (MUST BE < 3 YEARS AGO)

BENCHMARK

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

GRADING QUANTITIES

DISTURBED AREA	XXXX [ACRES]	
GRADED AREA.	XXXX [ACRES]	MAX. CUT DEPTH/SLOPE RATIO
CUT QUANTITIES.	XXXX [CYD]	MAX. FILL DEPTH/SLOPE RATIO
FILL QUANTITIES.	XXXX [CYD]	IMPORT/EXPORT

LEGAL DESCRIPTION

AS STATED ON RECORDED DOCUMENT

SHEET INDEX

SHEET DESCRIPTION. . . . . SHEET #

WORK TO BE DONE

THE IMPROVEMENTS CONSIST 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:

1. STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREEN BOOK" (2000 EDITION), INCLUDING THE REGIONAL AND CITY OF SAN DIEGO SUPPLEMENT AMENDMENT, DOC. NO. 769845 FILED JULY 21 , 2000.
2. 1999 STANDARD SPECIAL PROVISIONS FOR SIGNALS, LIGHTING AND ELECTRICAL SYSTEMS OF CITY OF SAN DIEGO, DOCUMENT NO. 769842, FILED OCTOBER 22, 1999.
3. CALIFORNIA DEPARTMENT OF TRANSPORTATION, " MANUAL OF TRAFFIC CONTROLS FOR CONSTRUCTION AND MAINTENANCE WORK ZONES," (1996 EDITION), DOCUMENT NO. 769843, FILED JANUARY 24, 2000.
4. STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS (JULY 1992), DOCUMENT NO. 769806, FILED JULY 9, 1992.

STANDARD DRAWINGS:

1. CITY OF SAN DIEGO STANDARD DRAWINGS, INCLUDING ALL REGIONAL STANDARD DRAWINGS, DOCUMENT NO. 769846, FILED JULY 21, 2000.
2. STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, STANDARD PLAN (JULY 1992), DOCUMENT NO. 769805, FILED JULY 9, 1992.

LEGEND

PROPOSED IMPROVEMENTS

IMPROVEMENT	STANDARD DWGS.	SYMBOL

EXISTING IMPROVEMENTS

ITEM	SYMBOL

VICINITY MAP

NO SCALE

STREET DESIGN DATA TABLE

STREET NAME	CLASSIFICATION	DESIGN SPEED	FUTURE ADT	R/W

CONSTRUCTION CHANGE TABLE

CHANGE	DATE	EFFECTED OR ADDED SHEET NUMBERS
A		
B		
C		
D		
E		
F		

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

REGISTERED PROFESSIONAL ENGINEER — CIVIL ENGINEER NAME — R.C.E. NO. XXXXX — EXP. XX-XX-XX — CIVIL — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — MOHAMMAD SAMAK — RCE NO. 37146 — EXP. ____ — CIVIL — STATE OF CALIFORNIA

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

CONSTRUCTION SITE PRIORITY_____

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME

INDEXING INFORMATION

CITY OF SAN DIEGO, CALIFORNIA
DEVELOPMENT SERVICES DEPARTMENT
SHEET 1 OF XXX SHEETS

W.O. NO._____
P.T.S NO._____

FOR CITY ENGINEER _____ DATE _____

V.T.M._X_____

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

COMPANY NAME
COMPANY ADDRESS
COMPANY PHONE
COMPANY FAX
COMPANY EMAIL

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

DATE

REGISTERED PROFESSIONAL ENGINEER
CIVIL ENGINEER NAME
R.C.E. NO. XXXXX
EXP. XX-XX-XX
CIVIL
STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER
MOHAMMAD SAMMAK
RCE NO. 37146
EXP.
CIVIL
STATE OF CALIFORNIA

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME

SECTIONS AND DETAILS

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

W.O. NO.
P.T.S NO.

FOR CITY ENGINEER DATE

V.T.M. X

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	XXX			
AS-BUILTS				

XXXX-XXXX
NAD83 COORDINATES

XXX-XXXX
LAMBERT COORDINATES

CONTRACTOR DATE STARTED
INSPECTOR DATE COMPLETED

_-XXX-D

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. (THIS NOTE IS NOT APPLICABLE FOR PRIVATE SEWER ON SINGLE LOT DEVELOPMENTS)

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 REUSING ANY EXISTING SEWER LATERAL, IT SHALL BE CLOSED CIRCUIT TELEVISION INSPECTED BY THE 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 WITHOUT PRIOR APPROVAL IN THE FORM OF A RECORDED "ENCROACHMENT AND MAINTENANCE AND REMOVAL AGREEMENT" FORM, WITH ASSOCIATED EXHIBITS AND NOTARY, HAVING BEEN SUBMITTED FOR RECORDATION.

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. DATE, R.C.E. STAMP, AND EXP. DATE REQUIRED.

G. FOR ALL SEWER PLANS, ADD: THE CONTRACTOR SHALL OBSERVE AND COMPLY WITH ALL FEDERAL, STATE, AND LOCAL LAWS, ORDINANCES, CODES, ORDERS, AND REGULATIONS WHICH IN ANY MANNER EFFECT THE CONDUCT OF THE WORK, SPECIFICALLY AS IT RELATES TO SEWAGE SPILLS. THE CONTRACTOR SHALL BE FULLY RESPONSIBLE FOR PREVENTING SEWAGE SPILLS, CONTAINING SEWAGE SPILLS, RECOVERY AND LEGAL DISPOSAL OF ANY SPILLED SEWAGE, ANY FINES, PENALTIES, CLAIMS AND LIABILITY ARISING FROM NEGLIGENTLY CAUSING A SEWAGE SPILL, AND 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, ADD:

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, A WRITTEN SEWAGE SPILL PREVENTION AND RESPONSE. THE PLAN SHALL BE DEVELOPED TO RESPOND TO ANY CONSTRUCTION RELATED SEWAGE SPILLS. FOR MINIMUM CRITERION AND A SAMPLE SEWAGE SPILL PREVENTION AND RESPONSE PLAN, CONTACT THE ENGINEERING & CAPITAL PROJECTS DEPARTMENT, CONTRACT SERVICES DIVISION, AT (619) 533-4464.

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, A WRITTEN WASTEWATER FLOW DIVERSION PLAN. THE CONTRACTOR'S WASTEWATER FLOW DIVERSION PLAN SHALL BE REVIEWED AND APPROVED BY THE WASTEWATER COLLECTION DIVISION 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 IN THE EVENT OF AN EMERGENCY SHUTDOWN OR FAILURE OF THE FLOW DIVERSION EQUIPMENT. FOR MINIMUM CRITERION AND A SAMPLE WASTEWATER FLOW DIVERSION PLAN, CONTACT THE ENGINEERING & CAPITAL PROJECTS DEPARTMENT, CONTRACT SERVICES DIVISION, AT (619) 533-4464.

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.

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 INLET, 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) 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 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.

SWPPP NOTES

1. DISCHARGING SEDIMENT-LADEN WATER WHICH WILL CAUSE OR CONTRIBUTE TO AN EXCEEDANCE OF THE APPLICABLE RWQCB'S BASIN PLANS FROM A DEWATERING SITE OR SEDIMENT BASIN/TRAP INTO ANY RECEIVING WATER OR STORM DRAIN WITHOUT FILTRATION OR EQUIVALENT TREATMENT IS PROHIBITED.

2. THE DISCHARGER SHALL AMEND THE SWPPP WHENEVER THERE IS A CHANGE IN CONSTRUCTION OR OPERATIONS, WHICH MAY AFFECT THE DISCHARGE OF POLLUTANTS TO SURFACE WATERS, GROUNDWATERS, OR A MUNICIPAL STORM DRAIN SYSTEM. THE SWPPP SHALL ALSO BE AMENDED IF THE DISCHARGER VIOLATES ANY CONDITION OF THE GENERAL PERMIT OR HAS NOT ACHIEVED THE GENERAL OBJECTIVE OF REDUCING OR ELIMINATING POLLUTANTS IN STORMWATER DISCHARGES. ALL AMENDMENTS SHOULD BE DATED AND DIRECTLY ATTACHED TO THE SWPPP.

3. TEMPORARY ON-SITE DRAINAGES TO CARRY CONCENTRATED FLOW SHALL BE SELECTED TO COMPLY WITH CITY REQUIREMENTS TO CONTROL EROSION, TO RETURN FLOWS TO THEIR NATURAL DRAINAGE COURSES, AND TO PREVENT DAMAGE TO DOWNSTREAM PROPERTIES.

4. DISCHARGES ORIGINATING FROM OFF-SITE, WHICH FLOW ACROSS OR THROUGH AREAS DISTURBED BY CONSTRUCTION THAT MAY CONTAIN POLLUTANTS, SHOULD BE REPORTED TO THE RWQCB.

5. DISCHARGERS WHO ARE PRESENTLY COVERED UNDER NPDES GENERAL PERMIT NO. CAS000002 FOR DISCHARGE OF STORM WATER ASSOCIATED WITH CONSTRUCTION ACTIVITY MAY SUBMIT A NOTICE OF TERMINATION WHEN THEY MEET ONE OF THE FOLLOWING CRITERIA.

A. THE CONSTRUCTION PROJECT HAS BEEN COMPLETED AND THE FOLLOWING CONDITIONS HAVE BEEN MET: ALL ELEMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN HAVE BEEN COMPLETED; CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE BEEN DISPOSED OF PROPERLY; THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER MANAGEMENT REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS AND THE APPROPRIATE USE PERMITS HAVE BEEN OBTAINED; AND A POST-CONSTRUCTION STORM WATER OPERATION AND MANAGEMENT PLAN IS IN PLACE.

B. CONSTRUCTION ACTIVITIES HAVE BEEN SUSPENDED, EITHER TEMPORARILY OR INDEFINITELY AND THE FOLLOWING CONDITIONS HAVE BEEN MET: ALL ELEMENTS OF THE STORMWATER POLLUTION PREVENTION PLAN HAVE BEEN COMPLETED; CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE BEEN DISPOSED OF PROPERLY; ALL DENUDED AREAS AND OTHER AREAS OF POTENTIAL EROSION ARE STABILIZED; AN OPERATION AND MAINTENANCE PLAN FOR EROSION AND SEDIMENT CONTROL IS IN PLACE; AND THE SITE IS IN COMPLIANCE WITH ALL LOCAL STORM WATER MANAGEMENT REQUIREMENTS INCLUDING EROSION/SEDIMENT CONTROL REQUIREMENTS. THE DATE CONSTRUCTION ACTIVITIES WERE SUSPENDED, AND THE EXPECTED DATE CONSTRUCTION ACTIVITIES WILL START UP AGAIN SHOULD BE PROVIDED.

C. CONSTRUCTION SITE CAN NOT DISCHARGE STORM WATER TO WATERS OF THE UNITED STATES. PLEASE INDICATE IF ALL STORM WATER IS RETAINED ON SITE OR IF STORM WATER IS COLLECTED OFFSITE.

D. DISCHARGE OF CONSTRUCTION STORM WATER FROM THE SITE IS NOW SUBJECT TO ANOTHER NPDES GENERAL PERMIT OR AN INDIVIDUAL NPDES PERMIT. THE GENERAL PERMIT OR INDIVIDUAL PERMIT NPDES NUMBER AND DATE COVERAGE BEGAN SHOULD BE PROVIDED.

E. THERE IS A NEW OWNER OF THE IDENTIFIED SITE. IF OWNERSHIP OR OPERATION OF THE FACILITY HAS BEEN TRANSFERRED THEN THE PREVIOUS OWNER MUST SUBMIT A NOTICE OF TERMINATION AND THE NEW OWNER MUST SUBMIT A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT. THE DATE OF TRANSFER AND INFORMATION ON THE NEW OWNER SHOULD BE PROVIDED. NOTE THAT THE PREVIOUS OWNER MAY BE LIABLE FOR DISCHARGE FROM THE SITE UNTIL THE NEW OWNER FILES A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT.

6. SEDIMENT CONTROL BMP'S ARE REQUIRED AT APPROPRIATE LOCATIONS ALONG THE SITE PERIMETER AND AT ALL OPERATIONAL INTERNAL INLETS TO THE STORM DRAIN SYSTEM AT ALL TIMES.

7. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THAT ADEQUATE SEDIMENT CONTROL MATERIALS ARE AVAILABLE TO CONTROL SEDIMENT DISCHARGES AT THE DOWNGRADE PERIMETER AND OPERATIONAL INLETS (WEATHER AND STORM PREDICTIONS CAN BE OBTAINED BY CALLING THE NATIONAL WEATHER SERVICE AT (858) 675-8700 OR BY VISITING THE NATIONAL WEATHER SERVICE WEB SITE AT HTTP://WWW.WRH.NOAA.GOV/SANDIEGO/INDEX.SHTML. FOR WEATHER INFORMATION AND CURRENT SATALITE/RADAR FEEDS).

8. THE OUTLETS OF ALL SEDIMENT BASINS, TRAPS, AND LOCATIONS OF ARTIFICIALLY CONCENTRATED FLOW SHALL BE PROVIDED WITH OUTLET PROTECTION TO PREVENT EROSION AND SCOUR.

9. INSPECTIONS SHALL BE PERFORMED BEFORE AND AFTER STORM EVENTS AND ONCE EACH 24-HOUR PERIOD DURING EXTENDED STORM EVENTS TO IDENTIFY BMP EFFECTIVENESS AND IMPLEMENT REPAIRS OR DESIGN CHANGES AS SOON AS FEASIBLE, DEPENDING ON FIELD CONDITIONS. EQUIPMENT, MATERIALS, AND WORKERS MUST BE AVAILABLE FOR RAPID RESPONSE TO FAILURES AND EMERGENCIES. ALL CORRECTIVE MAINTENANCE TO BMP'S SHALL BE PERFORMED AS SOON AS POSSIBLE AFTER THE CONCLUSION OF EACH STORM, DEPENDING UPON WORKER SAFETY.

10. FOR EACH INSPECTION, A QUALIFIED PERSON SHALL COMPLETE AN INSPECTION CHECKLIST CONTAINING THE FOLLOWING MINIMUM INFORMATION: INSPECTION DATE, WEATHER INFORMATION (BEGINNING/END OF STORM EVENT, DURATION, TIME SINCE LAST STORM, APPROXIMATE RAINFALL IN INCHES), DESCRIPTION OF INADEQUATE BMP'S, LIST OF OBSERVATIONS OF ALL BMP'S AND VISIBLE INSPECTION OF OUTFALLS, DISCHARGE POINTS, DOWNSTREAM LOCATIONS, AND PROJECTED REQUIRED MAINTENANCE ACTIVITIES, CORRECTIVE ACTIONS REQUIRED, INCLUDING CHANGES TO THE SWPPP AND IMPLEMENTATION DATES, INSPECTOR'S NAME, TITLE, SIGNATURE, AND QUALIFICATIONS.

11. INDIVIDUALS RESPONSIBLE FOR SWPPP, IMPLEMENTATION, AND PERMIT COMPLIANCE SHALL BE APPROPRIATELY TRAINED. THIS INCLUDES THOSE PERSONNEL RESPONSIBLE FOR INSTALLATION, INSPECTION, MAINTENANCE, AND REPAIR OF BMP'S. THOSE RESPONSIBLE FOR OVERSEEING, REVISING, AND AMENDING THE SWPPP SHALL ALSO DOCUMENT THEIR TRAINING. THE QUALIFIED PERSON SHALL ATTEND THE PRE-CONSTRUCTION MEETING. THE QUALIFIED PERSON SHALL HAVE KNOWLEDGE AND TRAINING OF THE INTENT AND ENFORCEMENT OF SWPPP'S AND BMP'S AND BE PROPERLY TRAINED TO CONDUCT INSPECTIONS AND PREPARE REPORTS OF THE CONSTRUCTION SITE WITH RESPECT TO THE CITY'S MUNICIPAL CODE/ORDINANCES AND THE SWPPP.

12. THE CONTRACTOR SHALL MAINTAIN A COPY OF THE SWPPP AT THE CONSTRUCTION SITE, WHICH SHALL BE PROVIDED, UPON REQUEST, TO THE RWQCB OR CITY PERSONEL. THE SWPPP IS CONSIDERED A REPORT THAT SHALL BE AVAILABLE TO THE PUBLIC BY THE RWQCB UNDER SECTION 308(B) OF THE CLEAN WATER ACT.

13. RECORDS OF ALL INSPECTIONS, COMPLIANCE CERTIFICATIONS, NONCOMPLIANCE REPORTING, SWPPP AND ANY OTHER DOCUMENTS GENERATED AS PART OF SWPPP, MUST BE RETAINED FOR A PERIOD OF AT LEAST THREE YEARS FROM THE DATE GENERATED.

SWPPP NOTES (CONTINUED)

14. A CONCRETE WASHOUT SHALL BE INSTALLED FOR ALL PROJECTS THAT PROPOSE CONCRETE TO BE MIXED ON SITE OR DELIVERED FROM A BATCH PLANT. THE CONCRETE WASHOUT SHALL BE LOCATED A MINIMUM OF 50' FROM ANY DRAINAGE INFRASTRUCTURE OR NATURAL DRAINAGE FEATURES OR WATER BODIES AND INCORPORATE AN IMPERMEABLE LINER (6 MIL MIN) TO CONTAIN THE REQUIRED VOLUME. ALL DRIED CONCRETE WASTE SHALL BE BROKEN INTO MANAGEABLE PIECES AND DISPOSED OF IN A PROPER MANNER. THE CONTRACTOR OR QUALIFIED PERSON SHALL LOCATE CONCRETE WASHOUTS IN THIS PRESCRIBED MANNER AS CONSTRUCTION PROGRESSES.

15. THE QUALIFIED PERSON SHALL CONDUCT REGULAR INSPECTIONS OF THE PROJECT SITE IN ACCORDANCE WITH RECOMMENDATIONS OUTLINED IN THE SWPPP. EACH INSPECTION SHALL BE DOCUMENTED IN THE FORM OF WRITTEN REPORTS RETAINED ON-SITE. ALL REPORTS SHALL BE MADE AVAILABLE TO THE CITY OF SAN DIEGO AND RWQCB REPRESENTATIVES UPON REQUEST.

16. THE CONTRACTOR SHALL HAVE EMERGENCY MATERIALS AND EQUIPMENT ON HAND FOR UNFORESEEN SITUATIONS, SUCH AS DAMAGE TO UNDERGROUND WATER AND SEWER UTILITIES WHEREBY FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.

17. "THE PERMITTEE OR DESIGNEE SHALL PROVIDE EVIDENCE OF COVERAGE UNDER THE GENERAL CONSTRUCTION NATIONAL POLLUTANT DISCHARGE ELIMINATION SYSTEM PERMIT, IN THE FORM OF A NOTICE OF INTENT (NOI) FILED WITH THE STATE WATER RESOURCES CONTROL BOARD, PRIOR TO THE ISSUANCE OF ANY CONSTRUCTION PERMITS."

18. SEDIMENT AND EROSION CONTROLS MAY BE REMOVED ONLY WHEN CONTRIBUTORY UPSTREAM AREAS BECOME STABILIZED OR ARE MANAGED UPSTREAM (I.E., SINGLE-LOT SEDIMENT CONTROLS) AND AS LONG AS SEDIMENT LADEN RUNOFF WILL NOT DISCHARGE FROM THE SITE.

19. WHEN FUTURE WORK BY THE DEVELOPER NOT SHOWN ON THIS PLAN IS TO BE PERFORMED, THE SWPPP SHALL BE AMENDED TO INCLUDE SAID WORK AND ANY ADDITIONAL WATER QUALITY CONTROL MEASURES REQUIRED.

20. WHEN OWNERSHIP CHANGES FOR PORTIONS OF THE SITE OR THE LIMITS OR NATURE OF WORK ARE ALTERED, THE DEVELOPER SHALL FILE A CHANGE OF INFORMATION (COI) OR A REVISED NOTICE OF INTENT (NOI), RESPECTIVELY, WITH THE CRWQCB AND SWRCB, RESPECTIVELY.

21. THIS PLAN SHALL BE IN EFFECT UNTIL ALL DISTURBED AREAS ARE PERMANENTLY STABILIZED, TRANSFERRED TO NEW OWNERSHIP, OR DEVELOPED UNDER FUTURE PLANS WITH AN NEW NOI, SWPPP, AND WDID NUMBER.

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.

POST-CONSTRUCTION PERMANENT BMP'S	PROPOSED OPERATION AND MAINTENANCE PROCEDURE DETAILS				
	O&M RESPONSIBLE PARTY DESIGNEE:PROPERTY OWNER/HOA/CITY/OTHER				
	INSPECTION FREQUENCY	MAINTENANCE FREQUENCY	MAINTENANCE METHOD	SERVICE FREQUENCY	SERVICE METHOD
PROPOSED SITE DESIGN					
PROPOSED TREATMENT CONTROL					
PROPOSED SOURCE CONTROL					

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 (SWMDCM), COVENENTS CONDITIONS AND RESTRICTIONS (CC&R'S), 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.

COMPANY NAME
COMPANY ADDRESS
COMPANY PHONE
COMPANY FAX
COMPANY EMAIL

REGISTERED PROFESSIONAL ENGINEER — CIVIL ENGINEER NAME — R.C.E. NO. XXXXX — EXP. XX-XX-XX — CIVIL — STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER — MOHAMMAD SAMMAK — RCE NO. 37146 — EXP. ______ — CIVIL — STATE OF CALIFORNIA

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

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME

NOTES

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

W.O. NO. _
P.T.S NO. _

FOR CITY ENGINEER | DATE

V.T.M. X

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

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.

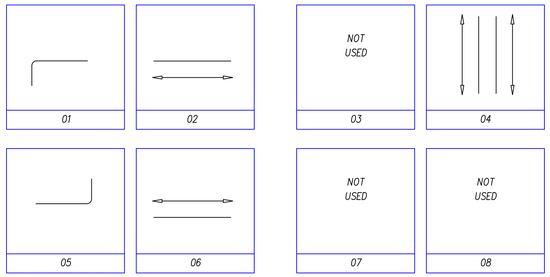
CONDUCTOR TABLE

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	CONDUCTORS	POLE – A						
		POLE – B						
		POLE – C						
		POLE – D						
12								
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

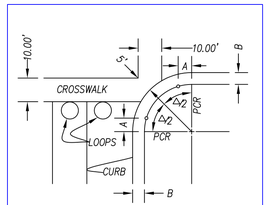


FLASHING OPERATION SHALL BE ALL RED.

POLE SCHEDULE

NO.	STANDARD TYPE	HGT	SIG. M.A.	LUM. M.A.	LUMINARE CO-LPS	PLACEMENT A	B	SIGNAL MOUNTING VEHICLE	PEDESTRIAN SIGNAL 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.

COMPANY NAME
COMPANY ADDRESS
COMPANY PHONE
COMPANY FAX
COMPANY EMAIL

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

REGISTERED PROFESSIONAL ENGINEER CIVIL ENGINEER NAME R.C.E. NO. XXXXX EXP. XX-XX-XX CIVIL STATE OF CALIFORNIA

REGISTERED PROFESSIONAL ENGINEER MOHAMMAD SAMMAK RCE NO. 37146 EXP. CIVIL STATE OF CALIFORNIA

PRIVATE CONTRACT

IMPROVEMENT PLANS FOR:

PROJECT NAME

TRAFFIC SIGNAL~'X' AT 'Y'

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

W.O. NO.
P.T.S NO.

FOR CITY ENGINEER DATE

V.T.M. X

DESCRIPTION	BY	APPROVED	DATE	FILMED
ORIGINAL	XXX			
AS-BUILTS				

XXXX-XXXX NAD83 COORDINATES

XXX-XXXX LAMBERT COORDINATES

CONTRACTOR DATE STARTED
INSPECTOR DATE COMPLETED

_- X -D