

MITIGATION MEASURE NOTES

1. AIR-CB, ANY DEVELOPMENT ON THE UCSD CAMPUS SHALL INCLUDE IN ALL CONSTRUCTION CONTRACTS THE MEASURES SPECIFIED BELOW TO REDUCE PM10 AND PM2.5 AIR POLLUTANT EMISSIONS:

- ALL ON-SITE UNPAVED ROADS AND OFF-SITE UNPAVED ACCESS ROADS SHALL BE EFFECTIVELY STABILIZED OR DUST EMISSIONS USING WATER, CHEMICAL STABILIZER/SUPPRESSANT, OR OTHER STABILIZATION TECHNIQUES.
- ALL LAND CLEARING AND GRADING AND DRAINAGE ACTIVITIES SHALL BE EFFECTIVELY CONTROLLED OF DUST. DUST SUPPRESSION USING APPLICATION WATER OR BY PRESSURIZED WATERING OF EXPOSED SURFACES AT LEAST TWICE DAILY.
- STREET SWEEPING SHALL BE PERFORMED REGULARLY ON ROADS SURROUNDING THE CONSTRUCTION SITE THAT CARRY CONSTRUCTION TRAFFIC OR COLLECT CONSTRUCTION RELATED DUST OR DIRT.
- REVEGETATE EXPOSED EARTH SURFACE FOLLOWING CONSTRUCTION. APPLICATION OF SOIL STABILIZERS TO INACTIVE AREAS IN THE INTERIM.
- LIMIT TRAFFIC SPEEDS ON UNPAVED ROADS TO 15 MPH.
- TO THE EXTENT THAT EQUIPMENT IS AVAILABLE AND COST EFFECTIVE, THE CAMPUS SHALL ENCOURAGE CONTRACTORS TO USE ALTERNATE FUELS AND RETROFIT EXISTING ENGINES IN CONSTRUCTION EQUIPMENT.
- MINIMIZE DURING TIME TO A MAXIMUM OF 10 MINUTES WHEN CONSTRUCTION EQUIPMENT IS NOT IN USE.
- TO THE EXTENT PRACTICABLE, MANAGE OPERATION OF HEAVY-DUTY EQUIPMENT (E.G., RESTRICT OPERATIONS, OPERATE ONLY WHEN NECESSARY) TO REDUCE EMISSIONS.

2. AIR-CC: SORM SHALL ENSURE THAT CONSTRUCTION CONTRACTS AND/OR SPECIFICATIONS SHALL INCLUDE LANGUAGE THAT REQUIRES MEDIUM AND LARGE-SIZED CONSTRUCTION FLEETS TO COMPLY WITH THE REQUIREMENTS OF THE CALIFORNIA AIR RESOURCES BOARD PROPOSED REGULATION FOR IN-USE OFF-ROAD DIESEL VEHICLES (SECTION 2449, TITLE 15, ARTICLE 4.8, CALIFORNIA CODE OF REGULATIONS, AS MODIFIED).

3. BIO-20, PRIOR TO INITIATION OF PROJECT CONSTRUCTION DURING THE RAPTOR SEASON, (GENERALLY FEBRUARY THROUGH JULY) WHERE SUITABLE TREES FOR RAPTOR NESTING OCCUR ON SITE OR WITHIN 500 FEET OF THE SITE, PRECONSTRUCTION SURVEYS FOR RAPTOR NESTS SHALL BE PERFORMED BY A QUALIFIED BIOLOGIST. REMOVAL OF TREES WITH ACTIVE NESTS OR MAJOR CONSTRUCTION ACTIVITIES WITHIN 500 FEET OF ACTIVE NESTS SHALL NOT BE ALLOWED DURING THE BREEDING SEASON UNTIL A QUALIFIED BIOLOGIST DETERMINES THAT THE NEST IS NO LONGER ACTIVE.

4. HYD-2A, SORM SHALL IMPLEMENT ALL BMPs RECOMMENDED BY THE WATER QUALITY REPORT PREPARED BY PROJECT DESIGN CONSULTANTS (2008) FOUND IN APPENDIX E OF THE EIR. THE BMPs SHALL BE INCORPORATED INTO DESIGN, CONSTRUCTION, OPERATION AND MAINTENANCE DOCUMENTS AND BE CONSISTENT WITH UCSD'S STORM WATER MANAGEMENT PLAN. BMPs SHALL BE OPERATIONAL WITHIN A REASONABLE TIME FROM PROJECT OCCUPANCY, AND SHALL BE MAINTAINED BY SORM. THESE BMPs SHALL BE INCLUDED IN A SWPPP TO BE SUBMITTED TO THE SWRCB FOR APPROVAL, WITH NOTIFICATION TO UCSD EIRAC AND EIRAC. POLLUTION CONTROL SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING BMPs:

- I. MINIMIZATION OF IMPERVIOUS FOOTPRINT, MINIMIZATION OF DIRECTLY CONNECTED IMPERVIOUS AREAS, MAXIMIZATION OF CANOPY INTERCEPTION AND WATER CONSERVATION, PROTECTION OF SLOPES AND CHANNEL.
 - II. INLET STENCILING AND SIGNAGE, PROTECTIVE TRASH STORAGE DESIGN, LANDSCAPE DESIGN AND LANDSCAPE DESIGN, STORM WATER EDUCATION, REGULAR CLEANING AND SWEEPING.
 - III. BIOTRETENTION AND/OR PROPRIETARY FILTRATION DEVICES.
 - IV. PROJECT DESIGN, CONSTRUCTION, OPERATION AND MAINTENANCE, INTEGRATED PEST MANAGEMENT PRINCIPLES, STORM WATER EDUCATION.
 - V. PROTECTIVE TRASH STORAGE DESIGN, IRRIGATION AND LANDSCAPE DESIGN, STORM WATER EDUCATION, REGULAR CLEANING AND SWEEPING.
 - VI. CLEAR WATER FILTRATION DEVICES OR EQUAL.
5. HYD-2B, SORM SHALL PREPARE AN OPERATION AND MAINTENANCE (O&M) PLAN THAT INCLUDES DESCRIPTION OF THE LONG-TERM MAINTENANCE REQUIREMENTS OF PROPOSED BMPs AND A DESCRIPTION OF THE MECHANISM THAT WILL DURING LONG-TERM MAINTENANCE. THE PLAN SHALL INCLUDE A STORM WATER MANAGEMENT AND DISCHARGE CONTROL MAINTENANCE AGREEMENT PACKAGE THAT WILL BE INCLUDED IN THE GROUND-TIME LEASE AGREEMENT, AND SUBMITTED TO THE SWRCB FOR APPROVAL AS PART OF THE STORM WATER MANAGEMENT PLAN, WITH NOTIFICATION TO UCSD EIRAC AND EIRAC. THE O&M REQUIREMENTS FOR THE SELECTED POST-CONSTRUCTION BMPs FOR SORM ARE INCLUDED IN APPENDIX E OF THE EIR. THE STORM WATER MANAGEMENT AND DISCHARGE CONTROL MAINTENANCE AGREEMENT PACKAGE SHALL DESCRIBE:

- THE DESIGNATED RESPONSIBLE PARTY TO MANAGE THE STORM WATER BMPs.
- THE EMPLOYEE'S TRAINING PROGRAM AND DUTIES.
- THE BMP OPERATING SCHEDULE, THE MAINTENANCE FREQUENCY.
- THE ROUTINE SERVICE SCHEDULE.
- SPECIFIC MAINTENANCE ACTIVITIES, AND
- ANY OTHER NECESSARY ACTIVITIES.

AT A MINIMUM, THE MAINTENANCE AGREEMENT SHALL REQUIRE SORM TO PROVIDE INSPECTION AND SERVICING OF ALL PERMANENT TREATMENT BMPs ON AN ANNUAL BASIS. PARTIES RESPONSIBLE FOR THE O&M PLAN SHALL COMPLETE AND MAINTAIN O&M FORMS TO DOCUMENT ALL MAINTENANCE REQUIREMENTS AND SHALL RETAIN THE RECORDS FOR AT LEAST FIVE YEARS. THESE DOCUMENTS SHALL BE MADE AVAILABLE FOR INSPECTION UPON REQUEST AT ANY TIME.

6. NO-2A, UCSD SHALL IMPLEMENT THE FOLLOWING MEASURES TO MINIMIZE SHORT-TERM NOISE LEVELS CAUSED BY CONSTRUCTION ACTIVITIES MEASURES TO REDUCE CONSTRUCTION/DEMOLITION NOISE TO THE MAXIMUM EXTENT FEASIBLE SHALL BE INCLUDED IN CONTRACT SPECIFICATIONS AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

- i. THE CONSTRUCTION CONTRACTOR SHALL BE REQUIRED TO WORK IN SUCH A MANNER SO AS NOT TO EXCEED A 12-HOUR AVERAGE SOUND LEVEL OF 75 DBA AT ANY NOISE-SENSITIVE LAND USE (COMMUNITIES/RESIDENTIAL/LOADING, CONTINGUATIVE SPACES, LIBRARIES, INPATIENT MEDICAL CARE FACILITY, AND ON-CAMPUS CLASSROOMS) BUILDING BETWEEN 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH SATURDAY.
- ii. CONSTRUCTION EQUIPMENT SHALL BE PROPERLY OUTFITTED AND MAINTAINED WITH MANUFACTURER RECOMMENDED NOISE-REDUCTION DEVICES TO MINIMIZE CONSTRUCTION-GENERATED NOISE.
- iii. STATIONARY CONSTRUCTION NOISE SOURCES SUCH AS GENERATORS OR PUMPS SHALL BE LOCATED AT LEAST 100 FEET FROM NOISE-SENSITIVE LAND USES AS FEASIBLE.
- iv. LAYOUT AND CONSTRUCTION VEHICLE STAGING AREAS SHALL BE LOCATED AS FAR FROM NOISE-SENSITIVE LAND USES AS FEASIBLE.
- v. ALL NEIGHBORING LAND USES THAT WOULD BE SUBJECT TO CONSTRUCTION NOISE SHALL BE INFORMED AT LEAST TWO WEEKS PRIOR TO THE START OF THE CONSTRUCTION PROJECT, WHENEVER POSSIBLE.
- vi. LOUD CONSTRUCTION ACTIVITY SUCH AS JACKHAMMERING, CONCRETE SAWING, ASPHALT REMOVAL, PILE DRIVING, AND LARGE-SCALE GRADING OPERATIONS OCCURRING WITHIN 100 FEET OF A RESIDENTIAL OR ACADEMIC BUILDING SHALL NOT BE SCHEDULED DURING THE HOURS OF CONSTRUCTION.
- vii. LOUD CONSTRUCTION ACTIVITY SUCH AS JACKHAMMERING, CONCRETE SAWING, ASPHALT REMOVAL, PILE DRIVING, AND LARGE-SCALE GRADING OPERATIONS OCCURRING WITHIN 100 FEET OF A RESIDENTIAL OR ACADEMIC BUILDING SHALL NOT BE SCHEDULED DURING HOLIDAYS, CLASS BREAKS, AND/OR SUMMER SESSION, TO THE EXTENT FEASIBLE.
- viii. LOUD CONSTRUCTION ACTIVITY LOCATED WITHIN 100 FEET OF A RESIDENTIAL BUILDING OR INPATIENT MEDICAL CARE FACILITY SHALL BE RESTRICTED TO OCCUR BETWEEN THE HOURS OF 7:00 A.M. AND 7:00 P.M. MONDAY THROUGH FRIDAY.

MITIGATION MEASURE NOTES CONT.

1. SEE SHEET C1001 AND C1005 FOR ADDITIONAL MITIGATION MEASURE NOTES.

CITY OF SAN DIEGO RECYCLED WATER NOTES (FOR REFERENCE ONLY)

1. TWO (2) WORKING DAYS PRIOR TO COMMENCEMENT OF ANY EXCAVATION ON SITE IMPROVEMENTS, CONTRACTOR SHALL NOTIFY THE RECYCLED WATER PROGRAM AT 619.533.7485.
2. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE "CITY OF SAN DIEGO RULES AND REGULATIONS FOR RECYCLED WATER USE AND DISTRIBUTION WITHIN THE CITY OF SAN DIEGO" AND THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH REQUIREMENTS.
3. ALL BACKFLOW PREVENTER INSTALLATIONS AND LOCATIONS SHALL BE SUBJECTED TO APPROVAL BY THE CITY OF SAN DIEGO WATER DEPARTMENT.
4. ALL PUBLIC FACILITIES SUCH AS COMFORT STATIONS, DRINKING FOUNTAINS, ETC. SHALL BE PROTECTED FROM SPRAW AND/OR MISTING BY RECYCLED WATER.
5. NO FLOODING, RUN-OFF, OR OVER-SPRAY IS PERMITTED. ADJUST ALL SPRINKLER HEADS TO PREVENT OVER-SPRAYING ONTO SIDEWALKS, STREETS AND PRIVATE LOTS.
6. HOSE BIBS ON RECYCLED WATER SYSTEMS ARE PROHIBITED.
7. ON-SITE CROSS-CONNECTION BETWEEN RECYCLED WATER LINES AND POTABLE WATER LINES IS STRICTLY PROHIBITED.

8. QUICK COUPLING VALVES USED IN RECYCLED WATER SYSTEMS SHALL CONFORM TO THE FOLLOWING:

A. A TYPE APPROVED FOR RECYCLED WATER USE WITH A NORMAL WORKING PRESSURE OF 150 P.S.I.

B. RECYCLED WATER QUICK COUPLER MUST BE DIFFERENT FROM POTABLE WATER QUICK COUPLER VALVES.

C. IN ORDER TO PREVENT UNAUTHORIZED USE, THE VALVE SHALL BE OPERATED ONLY WITH A SPECIAL COUPLER KEY WITH AN ACME THREAD FOR OPENING AND CLOSING THE VALVE.

D. THE COVER SHALL BE PERMANENTLY ATTACHED TO THE QUICK-COUPLING VALVES. IT SHALL BE PURPLE RUBBER OR VINYL.

E. LOCKING COVERS ARE REQUIRED.

9. NO SUBSTITUTION OF PIPE MATERIALS WILL BE ALLOWED WITHOUT PRIOR APPROVAL BY THE CITY OF SAN DIEGO.

10. INSTALL APPROVED, METALLIC BACKED AND STENCILED WARNING TAPE OVER ALL PRESSURE RECYCLED WATER LINES. STENCIL AND COLOR CODE (PURPLE PANTONE 522) ALL IRRIGATION PIPE. ORIENT THE STENCILING TO THE TOP OF THE TRENCH.

11. PROVIDE A MINIMUM OF AT LEAST 18 INCHES OF COVERING OVER ALL WIRING AND PIPING.

12. OPERATE THE IRRIGATION SYSTEM ONLY BETWEEN 9:00 PM AND 6:00 AM, UNLESS THE CERTIFIED SITE SUPERVISOR IS PRESENT AT THE SITE DURING THE IRRIGATION PERIOD.

13. WHEN POTABLE WATER LINES AND RECYCLED WATER LINES CROSS, THE RECYCLED LINE SHALL BE INSTALLED WITHIN A PROTECTIVE SLEEVE. THE SLEEVE SHALL EXTEND 10 FEET FROM EACH SIDE, FROM THE CENTER LINE OF POTABLE LINE, FOR A TOTAL OF 20 FEET.

14. MAINTAIN A 10 FOOT HORIZONTAL SEPARATION BETWEEN POTABLE WATER AND RECYCLED WATER OR SEWER LINES. INSTALL SENER LINE BELOW RECYCLED WATER LINE AND RECYCLED WATER LINE BELOW THE POTABLE WATER LINE.

15. PROVIDE A MINIMUM OF 12 INCHES OF VERTICAL SEPARATION BETWEEN POTABLE/RECYCLED WATER/SEWER.

16. THE SITE IRRIGATION SYSTEMS AS SHOWN ON THESE DOCUMENTS WILL UTILIZE POTABLE WATER UNTIL SUCH TIME AS THE CITY OF SAN DIEGO MAKES RECYCLED WATER AVAILABLE TO THE SITE.

17. INSTALL PURPLE COLORED PANTONE #522 MATERIAL FOR ALL ABOVE GROUND IRRIGATION FACILITIES:

A. VALVE AND OTHER ON GRADE BOXES - INTEGRAL COLOR

B. BACKFLOW DEVICES - PAINTED 2 COATS OF ENAMEL

C. SPRINKLER HEADS - INTEGRAL COLOR PLASTIC

18. TAG ALL VALVES AND OTHER BELOW GRADE APPURTENANCES WITHIN BOXES WITH PERMANENT RECYCLED WATER LABELS IN BOTH ENGLISH AND SPANISH THAT IDENTIFY RECYCLED WATER IN USE (RECYCLED WATER-DI NOT DRINK). ATTACH THE LABEL WITH EITHER STAINLESS STEEL WIRE OR SELF-LOOKING PLASTIC TIES.

19. THE REQUIRED CROSS-CONNECTION TEST SHALL BE DONE BY THE CITY OF SAN DIEGO WATER DEPARTMENT AND MONITORED BY THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH. COPIES OF THE INSPECTION REPORTS WILL BE FORWARDED TO THE NON-INSPECTION PARTY.

20. THE DESIGN LOCATIONS PROPOSED FOR RECYCLED WATER "DO NOT DRINK" SIGNS SHALL BE CALLED OUT ON THE PLANS.

21. AN ANNUAL CROSS-CONNECTION INSPECTION WILL BE DONE BY THE CITY OF SAN DIEGO SUBJECT TO APPROVAL BY THE COUNTY OF SAN DIEGO DEPARTMENT OF ENVIRONMENTAL HEALTH. COPIES OF THE INSPECTION REPORTS WILL BE FORWARDED TO THE NON-INSPECTION PARTY. A CROSS-CONNECTION SHUTDOWN TEST WILL BE PERFORMED EVERY FOUR YEARS.

CITY OF SAN DIEGO RECYCLED WATER NOTES (CONT.) (FOR REFERENCE ONLY)

22. PRIOR TO CONVERSION TO RECYCLED WATER, AN ON-SITE RECYCLED WATER SITE SUPERVISOR SHALL BE DESIGNATED IN WRITING. THIS INDIVIDUAL SHALL BE FAMILIAR WITH PLUMBING SYSTEMS WITHIN THE PROPERTY AND WITH THE BASIC REQUIREMENTS OF RECYCLED WATER SYSTEMS. THE DESIGNATED SITE SUPERVISOR SHALL BE CERTIFIED BY ATTENDING A CLASS FOR RECYCLED WATER SITE SUPERVISORS. SITE SUPERVISOR MUST BE RE-CERTIFIED EVERY FIVE YEARS. COPIES OF THE SITE SUPERVISOR'S CERTIFICATE, WITH A 24-HOUR CONTACT NUMBER, SHALL BE PROVIDED TO THE CITY OF SAN DIEGO AND THE COUNTY DEPARTMENT OF ENVIRONMENTAL HEALTH WITH THE FOLLOWING INFORMATION:

IN CASE OF EMERGENCY CONTACT: _____ AT _____
AFTER HOURS CONTACT: _____ AT _____

23. A PHYSICAL SEPARATION SHALL BE PROVIDED BETWEEN ADJACENT AREAS IRRIGATED WITH RECYCLED WATER AND POTABLE WATER. SEPARATION SHALL BE PROVIDED BY DISTANCE, CONCRETE NOW STRIPS, OR OTHER APPROVED METHODS.

24. CALL OUT ON THE PLANS IF THERE ARE OR ARE NOT ANY DRINKING FOUNTAINS AND/OR DESIGNATED OUTDOOR EATING AREAS ON THE SITE.

25. ALL PUBLIC AND PRIVATE POTABLE WATER MAINS INCLUDING FIRE MAINS AND ANY WATER WELLS AND WATER COURSES WITHIN THE RECYCLED WATER PROJECT SURVES SHALL BE SHOWN ON THE PLANS.

26. EDUCATE ALL MAINTENANCE PERSONNEL ON A CONTINUOUS BASIS OF THE PRESENCE OF RECYCLED WATER. PERSONNEL MUST BE INFORMED THAT RECYCLED WATER IS MEANT FOR THE SITE'S DESIGNATED PURPOSES ONLY, AND IS NOT APPROVED FOR DRINKING PURPOSES, HAND WASHING, CLEANING OF TOOLS, ETC. GIVEN THE HIGH TURNOVER RATE OF EMPLOYEES IN THE LANDSCAPE INDUSTRY, IT IS IMPORTANT THIS INFORMATION BE DISSEMINATED ON AN ALMOST DAILY BASIS.

27. PRIOR TO INSTALLATION OF ANY RECYCLED WATER WORK, IT MUST BE INSPECTED BY THE CITY'S RECYCLED WATER PROGRAM ASSOCIATE. THE INLET CROSS-CONNECTION SHUTDOWN TEST SHOULD BE PERFORMED USING POTABLE WATER FROM A FIRE HYDRANT AND THROUGH A CONSTRUCTION METER WITH AN APPROVED BACKFLOW DEVICE ISSUED BY THE CITY WATER DEPARTMENT.

28. ALL INITIAL IRRIGATION SHALL USE POTABLE WATER. NO RECYCLED WATER SHALL BE USED UNTIL THE SITE HAS PASSED THE INITIAL SHUTDOWN CROSS-CONNECTION TEST AND HAS BEEN APPROVED BY THE CITY OF SAN DIEGO AND COUNTY OF SAN DIEGO.

SWPPP NOTES

1. DISCHARGING SEDIMENT-LADEN WATER WHICH WILL CAUSE OR CONTRIBUTE TO AN EXCEEDANCE OF THE APPLICABLE RWQCB'S BASIN PLANS FROM A DETAHERING 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, THE UNDERWATER, 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 STORM WATER DISCHARGES. ALL AMENDMENTS SHALL BE DATED AND DIRECTLY ATTACHED TO THE SWPPP.

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

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. C43000002 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 STORM WATER 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 STORM WATER POLLUTION PREVENTION PLAN HAVE BEEN COMPLETED; CONSTRUCTION MATERIALS AND EQUIPMENT MAINTENANCE WASTE HAVE BEEN DISPOSED OF PROPERLY; ALL DENIED 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 FILS A NOTICE OF INTENT FOR COVERAGE UNDER THE GENERAL PERMIT.

6. SEDIMENT CONTROL BMPs 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 DOWNWATER 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.NWRA.COM/SANDIEGO/INDEX.SHTML](http://www.nwra.com/sandiego/index.shtml) FOR WEATHER INFORMATION AND CURRENT SATELLITE/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 BMPs 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 BMPs, LIST OF OBSERVATIONS OF ALL BMPs 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 BMPs. 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 SWPPs AND BMPs AND BE PROPERLY TRAINED TO CONDUCT INSPECTIONS AND PREPARE REPORTS OF THE CONSTRUCTION SITE WITH RESPECT TO THE UCSD 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 UCSD PERSONNEL. THE SWPPP IS CONSIDERED A REPORT THAT SHALL BE AVAILABLE TO THE PUBLIC BY THE RWQCB UNDER SECTION 30600 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.

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 THE 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 UCSD 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. UNEXPECTED FLOWS MAY GENERATE EROSION AND SEDIMENT POLLUTION.

17. "THE PERMITTEE OR DESIGNER 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 RWQCB 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 MND NUMBER.

REPORTS:

- 1. WATER QUALITY TECHNICAL REPORT (WQTR) PREPARED BY PDC, DATED JANUARY 2009.
- 2. STORM WATER POLLUTION PREVENTION PLAN (SWPPP) PREPARED BY PDC, DATED NOVEMBER 13, 2008.

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 WITH THE DESIGN AND CONSTRUCTION OF THE PROPOSED GRADING/IMPROVEMENTS CONSISTENT WITH THE APPROVED STORM WATER POLLUTION PREVENTION PLAN (SWPPP) AND/OR WATER POLLUTION CONTROL PLAN (WPP) FOR CONSTRUCTION LEVEL BMPs AND FOR PERMANENT POST CONSTRUCTION TREATMENT CONTROL. PERMANENT BMPs, THE WATER QUALITY TECHNICAL REPORT IF APPLICABLE.

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 1.0' 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. 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 UCSD ENGINEER OR RESIDENT ENGINEER AFTER EACH RUN-OFF PRODUING 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.

16. CONTRACTOR TO REFER TO THE STORM WATER POLLUTION PREVENTION PLAN AND WATER QUALITY TECHNICAL REPORT FOR STATE/UCSD BMPs.

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 1/8" INCH) AND REPAIRED AND REPLANTED AS NEEDED UNTIL A NOTICE OF TERMINATION (NOT) IS FILED.

2. STRUCTURAL PRACTICES: DESTABILIZING 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 1/8" INCH). REPAIRS AND REPLACEMENTS SHALL BE MADE AS NEEDED AND RECORDED IN THE MAINTENANCE LOG IN PERPETUITY.

3. OPERATION AND MAINTENANCE, FLOODING: POST-CONSTRUCTION MANAGEMENT MEASURES ARE THE RESPONSIBILITY OF THE DEVELOPER UNTIL THE TRANSFER OF RESPECTIVE SITES TO INDIVIDUAL OWNERS/LEASEE. AT THAT TIME, THE NEW OWNERS/LEASEE SHALL ASSUME RESPONSIBILITY FOR THEIR RESPECTIVE PORTIONS OF THE SITE.

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 (SWMDCA), OR ANOTHER MECHANISM APPROVED BY THE UCSD ENGINEER, THAT ASSURES ALL PERMANENT BMPs 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 ENGINEER.

3. COORDINATE WITH UCSD EIRAC ON THE STENCILING AND SIGNAGE FOR ALL DRAINAGE INLETS.

BMP DESCRIPTION	POST-CONSTRUCTION PERMANENT BMP OPERATION AND MAINTENANCE PROCEDURE DETAILS			
	INSPECTION FREQUENCY	MAINTENANCE FREQUENCY	MAINTENANCE METHOD	SHEET NUMBER(S)

PROPOSED SITE DESIGN 1 YEAR 1 YEAR VISUAL 6 & 7

PROPOSED SOURCE CONTROL BIOTRETENTION AREAS 2 x YEAR AS-NEEDED 2 x YEAR VISUAL 6 & 7

2. UNDERGROUND BASINS (FOR FLOOD CONTROL DETENTION ONLY) 2 x YEAR AS-NEEDED VACUUM TRUCK OR JET VAC PROCESS 6 & 7

TRENCH DRAIN SHUT OFF VALVE 1 YEAR AS-NEEDED CHECK FUNCTIONALITY 7

INLET INSERTS BIMONTHLY 1 YEAR (MIN.) VACUUM TRUCK 6 & 7

NOT A PART

NOT A PART

NOT A PART

NOT A PART

NOT A PART

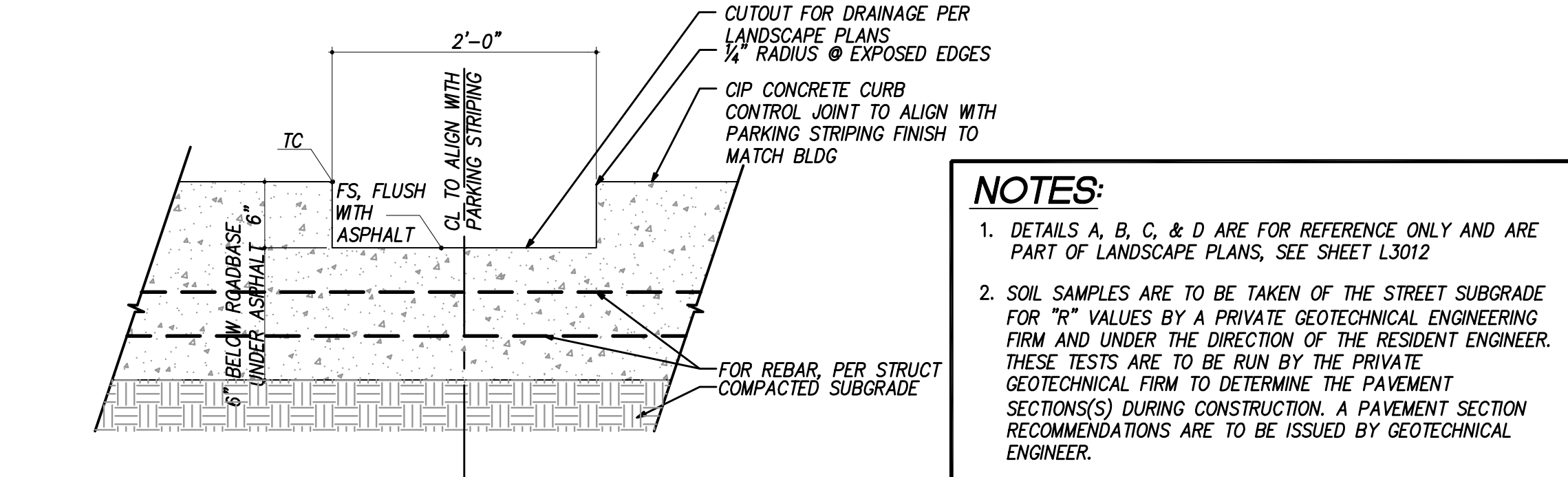
NOT A PART

NOT A PART

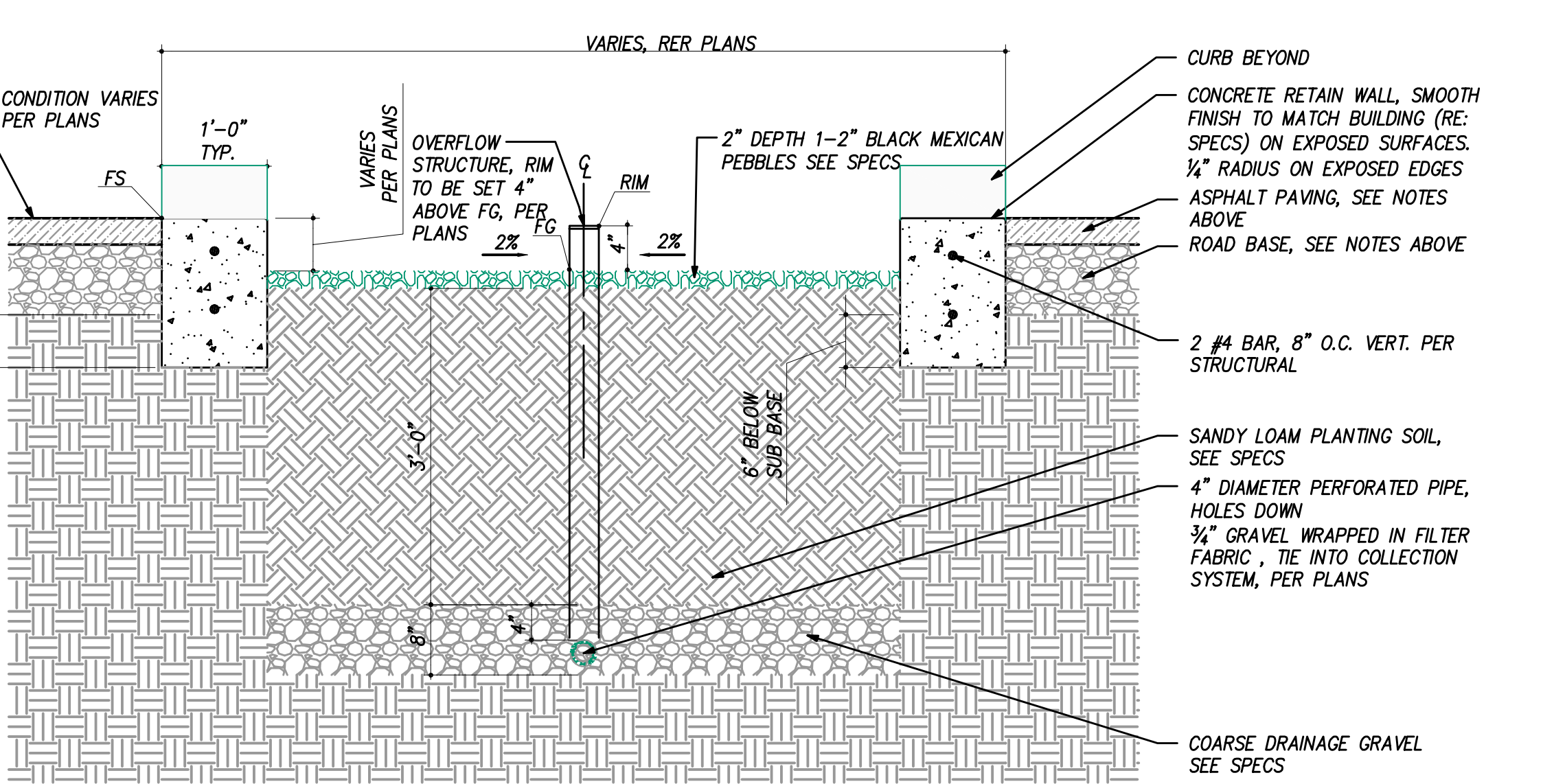
NOT A PART

NOT A PART

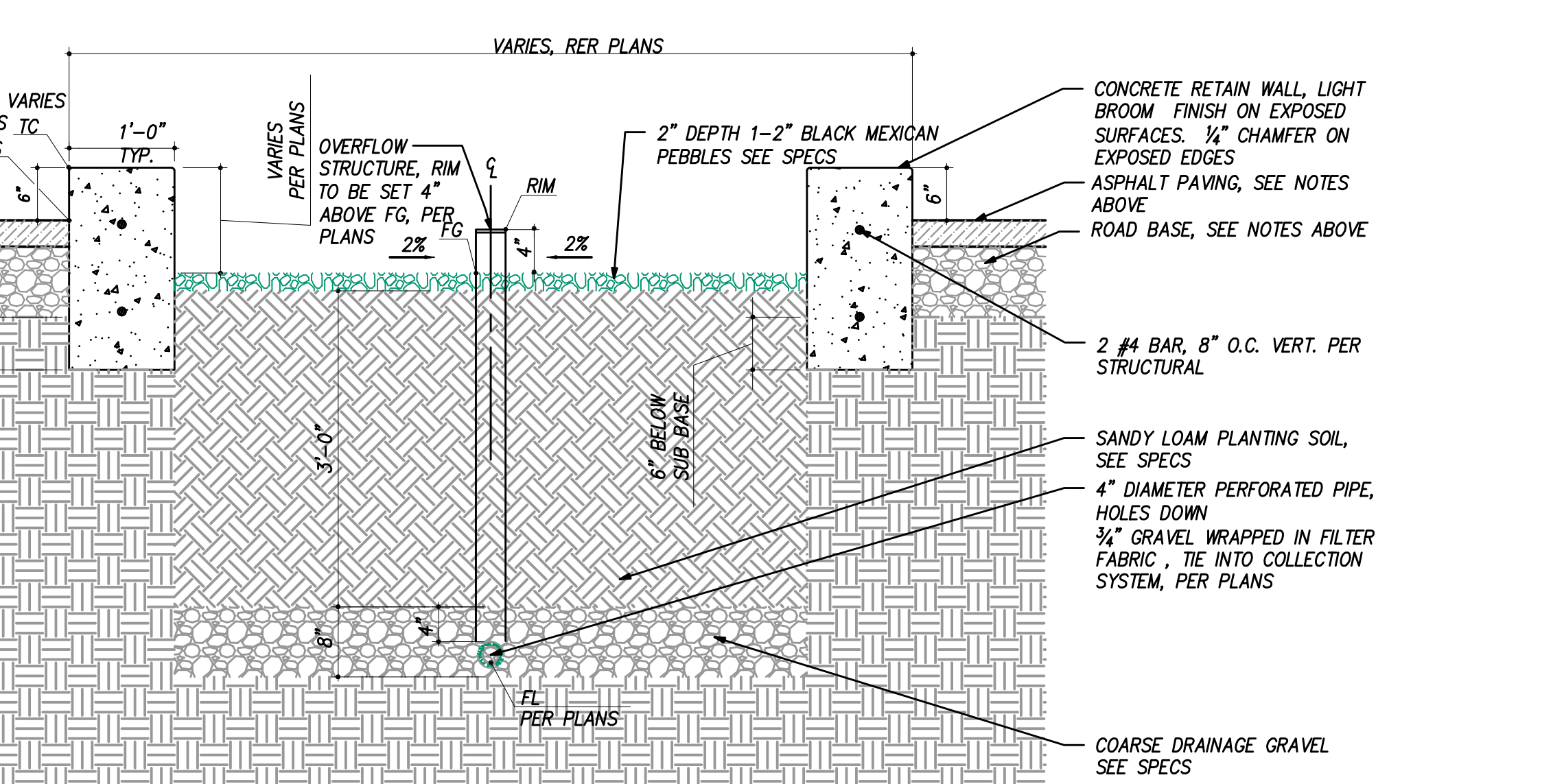
NOT A PART



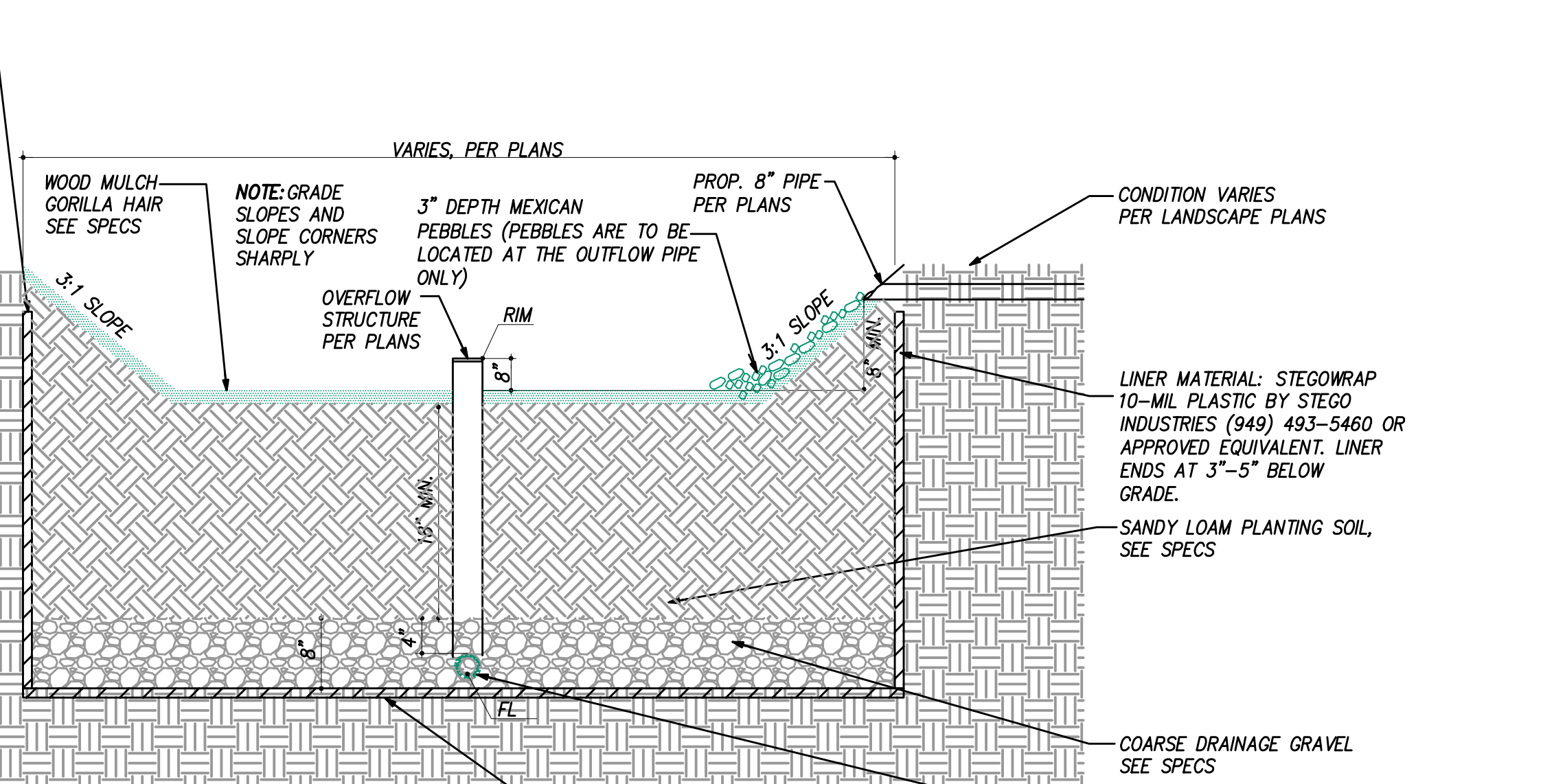
A SECTION AT CURB CUTS (FOR REFERENCE, SEE SHEET L3012)



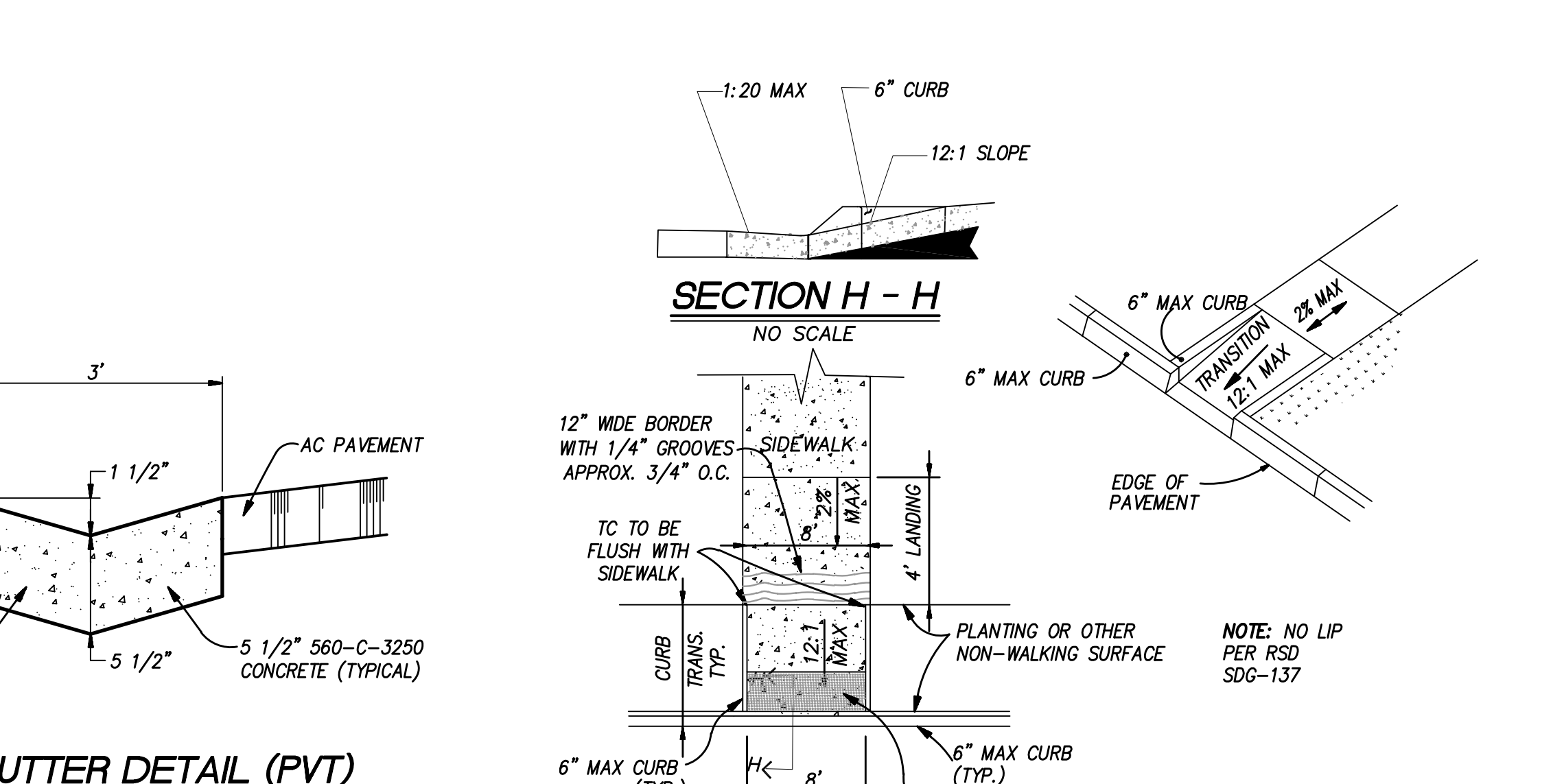
B BIOSWALE CURBS IN PARKING LOT SECTION AT CURB CUTS (FOR REFERENCE, SEE SHEET L3012)



C BIOSWALE CURBS IN PARKING LOT SECTION AT CURB (FOR REFERENCE, SEE SHEET L3012)



D BIOTRETENTION AREA



F RIBBON GUTTER DETAIL (PVT)

G PROPOSED NON-STANDARD CURB RAMP DETAILS