

GENERAL NOTES

- THE CONSTRUCTION WORK DEPICTED ON THESE PLANS SHALL CONFORM TO THE MOST CURRENT EDITIONS OF THE FOLLOWING REFERENCE DOCUMENTS:
  - STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION - "GREENBOOK"
  - SAN DIEGO SUPPLEMENT TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION
  - SAN DIEGO COUNTY REGIONAL STANDARD DRAWINGS (SDRSD)
  - CITY OF POWAY ORDINANCES
  - CALTRANS STANDARD SPECIFICATIONS
  - CITY OF POWAY GUIDE TO LANDSCAPE REQUIREMENTS
  - CITY OF POWAY SUPPLEMENTAL AMENDMENTS TO THE REGIONAL STANDARDS AND "GREENBOOK"
- FORTY-EIGHT HOURS PRIOR TO STARTING ANY EXCAVATION, SAW CUTTING, OR DEMOLITION, THE DEVELOPER SHALL CONTACT UNDERGROUND SERVICE ALERT AT 1-800-422-4133. ONCE THE MARKOUTS HAVE BEEN COMPLETED, THE DEVELOPER WILL HAVE ALL UNDERGROUND FACILITIES POTHOLED TO VERIFY THEIR EXISTENCE AND HORIZONTAL AND VERTICAL LOCATION.
- THE DEVELOPER SHALL NOTIFY THE ENGINEERING INSPECTION DIVISION AT (858) 668-4668 48 HOURS PRIOR TO THE START OF CONSTRUCTION.
- A RIGHT-OF-WAY PERMIT SHALL BE OBTAINED FROM DEVELOPMENT SERVICES FOR WORK WITHIN THE CITY RIGHT-OF-WAY.
- PAVEMENT SECTIONS INDICATED ON THESE PLANS ARE TO BE CONFIRMED BY "R" VALUE TESTING AND A PAVEMENT DESIGN REPORT. THE "R" VALUE TEST RESULTS AND PAVEMENT DESIGN REPORT ARE TO BE SUBMITTED TO THE CITY ENGINEER BY THE DEVELOPER'S SOILS ENGINEER AFTER ROUGH GRADE APPROVAL. PAVING SHALL NOT COMMENCE UNTIL THE APPROVAL OF THE PAVEMENT DESIGN REPORT BY THE CITY ENGINEER.
- IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN AN EXCAVATION PERMIT FROM THE DIVISION OF INDUSTRIAL SAFETY AND TO ADHERE TO ALL PROVISIONS OF THE STATE CONSTRUCTION SAFETY ORDERS PRIOR TO COMMENCING EXCAVATION. PERMITS CAN BE OBTAINED FROM THE STATE OF CALIFORNIA, DEPARTMENT OF INDUSTRIAL RELATIONS, DIVISION OF OCCUPATIONAL SAFETY AND HEALTH, AT 7575 METROPOLITAN DRIVE, SUITE 207, SAN DIEGO, CA 92108, PHONE (619)767-2280; FAX (619)767-2299.
- SOILS COMPACTION REPORTS SHALL BE SUBMITTED TO THE ENGINEER OF WORK AND THE CITY ENGINEER BY A QUALIFIED SOILS ENGINEER. THE REPORT SHALL CERTIFY THAT TRENCH BACKFILL WAS COMPACTED AS DIRECTED BY THE SOILS ENGINEER IN ACCORDANCE WITH EARTHWORK SPECIFICATIONS AND THE CITY OF POWAY SPECIFICATION.
- ALL QUALITY CONTROL TESTING (AC, PCC ...) REQUIRED BY THE CITY WILL BE AT THE EXPENSE OF THE PERMITTEE.
- CENTERLINE MONUMENTS SHALL BE INSTALLED AT THE BC AND EC OF ALL HORIZONTAL CURVES, AT THE CENTERLINE INTERSECTION OF ALL STREETS, AT THE RADIUS POINT OF CONCENTRIC CUL-DE-SACS AND AT THE ANGLE POINT OF OFFSET CUL-DE-SACS, PER SDRSD M-10 & M-11.
- ALL WET AND/OR DRY UTILITY LINES LOCATED BELOW THE PROPOSED STREETS ARE TO BE INSTALLED AND ACCEPTED PRIOR TO PLACEMENT OF THE FINAL AC HOT MIX.
- WHERE NEW IMPROVEMENTS JOIN EXISTING IMPROVEMENTS, THE METHOD OF MATCHING MUST BE APPROVED BY THE CITY ENGINEER. THIS PROCESS MAY REQUIRE GRINDING, COLD PLANING, OR OTHER METHODS AS APPROVED BY THE CITY ENGINEER. ASPHALT PAVEMENT SHALL BE PLACED IN 1.5-INCHES LIFT MINIMUM.
- ALL OPERATIONS CONDUCTED ON THE PREMISES, INCLUDING THE WARMING UP, REPAIR, ARRIVAL, DEPARTURE, OR RUNNING OF TRUCKS, EARTHMOVING EQUIPMENT, CONSTRUCTION EQUIPMENT, AND ANY OTHER ASSOCIATED EQUIPMENT SHALL BE LIMITED TO THE PERIOD BETWEEN 7:00 A.M. AND 5:00 P.M. EACH DAY, MONDAY THROUGH FRIDAY. THERE SHALL BE NO WORK CONDUCTED ON THE ALTERNATING FRIDAYS ON WHICH CITY HALL IS CLOSED. NO EARTH MOVING OR GRADING OPERATIONS SHALL BE CONDUCTED ON THE PREMISES ON SATURDAYS, SUNDAYS, OR LEGAL HOLIDAYS WITHOUT PRIOR APPROVAL. ANY REQUEST FOR WORK ON SATURDAYS, SUNDAYS, OR LEGAL HOLIDAYS MUST BE SUBMITTED IN WRITING 72 HOURS PRIOR TO WORK. ADDITIONAL INSPECTION FEES SHALL BE PAID IN ADVANCE OF APPROVAL.
- ALL LATERALS WILL BE DEPICTED IN THE PLAN VIEW ON THE APPROVED DRAWINGS. THE LATERAL AS-BUILT INFORMATION (STATIONS) WILL BE LISTED ON A TABLE PROVIDED FOR RECORD DRAWING LATERAL INFORMATION ON THE APPROVED PLANS. THE LATERAL AS-BUILT INFORMATION IS TO REMAIN ON THE RECORD DRAWINGS. CORRECTIONS TO LATERAL LOCATIONS VARYING FROM PROPOSED SHALL BE CHANGED ON THE RECORD DRAWING PRIOR TO FINAL OCCUPANCY APPROVAL.
- ALL FERROUS METALS PLACED IN THE GROUND SHALL BE ENCASED IN 6-INCHES OF NEUTRAL SAND AND ACCORDING TO ALL APPLICABLE REQUIREMENTS OF SECTION 209-1.1.2 (FOR POLYETHYLENE ENCASEMENT) OF STANDARD SPECIFICATIONS OF PUBLIC WORKS CONSTRUCTION.
- ALL ROCK SLOPE PROTECTION SHALL CONFORM TO SECTION 72 OF THE CALTRANS STANDARD SPECIFICATIONS.
- TRUNCATED DOMES ARE TO BE YELLOW UNLESS OTHERWISE SPECIFIED.
- NO REVISIONS SHALL BE MADE TO THESE PLANS WITHOUT THE APPROVAL OF THE CITY ENGINEER.
- PRIOR TO APPROVAL OR ACCEPTANCE OF THE PROJECT, THE PERMITTEE SHALL SUBMIT RECORD DRAWINGS TO THE CITY ENGINEERING INSPECTOR FOR REVIEW AND APPROVAL.

FIRE DEPARTMENT NOTES

- SIZE OF FIRE SERVICE UNDERGROUND IS FOR REFERENCE ONLY, AND SHALL BE SIZED BY PERMITTEE FOR FIRE SPRINKLER SYSTEM.
- WHERE A RESIDENTIAL FIRE SPRINKLER SYSTEM IS REQUIRED, A ONE-INCH WATER METER AND A ONE-INCH WATER LATERAL SHALL BE INSTALLED.
- PRIVATE FIRE SERVICE LINES ARE NOT A PART OF THESE PLANS. FIRE SERVICE LINES SHALL BE INSTALLED PER PLANS APPROVED BY THE CITY OF POWAY FIRE MARSHAL.
- LATERAL SIZES FOR R.P.D.A.'S ARE ONLY ESTIMATES. FINAL SIZES WILL BE PER THE APPROVED FIRE SERVICE PLANS.
- ALL FIRE HYDRANTS INSTALLED IN THE CITY OF POWAY SHALL BE PER THE CITY OF POWAY APPROVED MATERIAL LIST.

SEWER NOTES

- EACH LOT SHALL BE SERVED BY A 4-INCH DIAMETER (MINIMUM) SEWER LATERAL. A MINIMUM GRADE OF 2%, A MINIMUM DROP OF 0.3- FEET, AND AN INVERT DEPTH OF 5- FEET MINIMUM BELOW TOP OF CURB AT PROPERTY LINE IS REQUIRED PER CITY OF POWAY STANDARD DRAWING PS-13.
- SEWER LATERALS SHALL BE AT RIGHT ANGLES TO THE SEWER MAIN, EXCEPT IN A CUL-DE-SAC. AN INSCRIBED "S" SHALL BE MARKED ON THE CURB FACE DIRECTLY ABOVE LOCATION OF SEWER LATERAL.
- THE PERMITTEE MUST OBTAIN APPROVAL FROM THE CITY ENGINEERING INSPECTOR PRIOR TO BACKFILLING ANY PART OF THE SEWER SYSTEM.
- A PROPERTY LINE LATERAL CLEAN OUT STACK SHALL EXTEND 24-INCHES ABOVE THE PROPOSED FINISH GRADE. A 10 FOOT HORIZONTAL EXTENSION OF THE LATERAL WITH END CAP SHALL BE INSTALLED FROM THE CLEAN OUT WYE INTO THE PRIVATE PROPERTY. CITY FORCES WILL INSTALL CLEAN OUT BOXES. THE PERMITTEE SHALL GIVE THE PROJECT ENGINEERING INSPECTOR 14 DAYS ADVANCE NOTICE FOR SEWER CLEAN OUT BOX INSTALLATION.
- NO DISRUPTION OF EXISTING SEWER SERVICES WHILE MAKING CONNECTION TO EXISTING MAINS WILL BE ALLOWED WITHOUT THE SPECIFIC APPROVAL OF THE CITY ENGINEER.
- NO HOUSE CONNECTIONS ARE TO BE MADE WITHOUT APPROVAL FROM THE CITY ENGINEERING INSPECTOR.
- NO SEWER CLEAN OUT SHALL BE CONSTRUCTED IN ANY DRIVEWAY WITHOUT PRIOR APPROVAL FROM THE CITY ENGINEERING INSPECTOR.

WATER NOTES

- A MINIMUM 1-INCH COPPER (TYPE K) WATER SERVICE SHALL BE INSTALLED AT EACH LOT.
- EACH LIVING UNIT WITH WATER PRESSURE OF 80 PSI OR GREATER SHALL BE PROVIDED WITH A PRESSURE REGULATOR AND LOW FLOW WATER SAVING DEVICES.
- WATER MAINS SHALL BE CONSTRUCTED WITH TOP OF PIPE 36-INCHES MINIMUM BELOW FINISH STREET GRADE EXCEPT WHERE OTHERWISE INDICATED ON THE PLANS WITH SPECIFIC ELEVATIONS AND APPROVED BY THE CITY ENGINEER.
- NO DISRUPTION OF EXISTING WATER SERVICES WHILE MAKING CONNECTION TO THE EXISTING MAINS SHALL BE ALLOWED WITHOUT THE SPECIFIC APPROVAL OF THE CITY ENGINEER.
- THE PERMITTEE SHALL OBTAIN A CONSTRUCTION WATER METER WITH APPROPRIATE BACKFLOW PROTECTION FROM THE CITY OF POWAY CUSTOMER SERVICES DIVISION PRIOR TO USING CITY WATER AND SHALL PAY FOR WATER USED DURING CONSTRUCTION.
- BOLTS ON ALL FLANGE FITTINGS SHALL BE STAINLESS STEEL #316.
- ALL FITTINGS OR APPURTENANCES REMOVED FROM CITY WATER DISTRIBUTION SYSTEM SHALL BE RETURNED BY THE CONTRACTOR TO THE CITY PUBLIC SERVICES DEPARTMENT.
- HYDROSTATIC WATER LINE TESTING SHALL BE LIMITED TO 2,500 LINEAR FEET OF WATER LINE PER TEST. TESTING AGAINST VALVES IS NOT PERMITTED.
- METHOD OF CONNECTION TO EXISTING CITY WATER SYSTEM SHALL BE APPROVED BY THE CITY ENGINEER PRIOR TO INITIATION OF WORK.

RECLAIMED WATER NOTES

- PUBLIC RECLAIMED WATER SYSTEM SHALL CONFORM TO THE DEPARTMENT OF HEALTH STANDARDS AND CALIFORNIA-NEVADA SECTION OF AWWA GUIDE LINES..
- PRIVATE RECLAIMED WATER SYSTEM SHALL CONFORM TO POWAY DESIGN STANDARDS.

STREET LIGHT NOTES

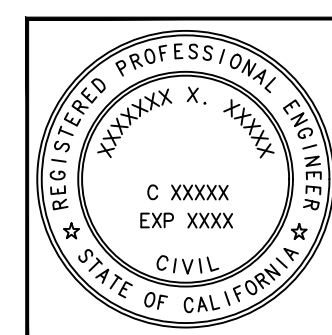
THE FOLLOWING INFORMATION IS TO BE PROVIDED TO THE CITY ENGINEERING INSPECTOR PRIOR TO STREETLIGHT INSTALLATION:

- SIZE AND TYPE OF OVERCURRENT PROTECTION (IN-LINE FUSES). INDICATE FUSE LOCATION AND AMP RATING ON THE RECORD DRAWINGS.
- NUMBER OF LUMINARIES PER CIRCUIT. IF LUMINARIES ARE ADDED TO AN EXISTING CIRCUIT, CALCULATIONS SHALL BE PROVIDED CONFIRMING ADEQUACY OF CONDUCTOR SIZE AND FUSING.
- LUMINAIRE SIZE AND SPECIFICATIONS.
- WIRE SIZES AND RELATED CALCULATIONS VERIFYING APPROPRIATE SIZES. WIRE SIZES BETWEEN PULL BOXES SHALL BE PLACED ON THE RECORD DRAWINGS.
- VOLTAGE DROP AND RELATED CALCULATIONS FOR LUMINARIES.
- FOR CONCRETE STREETLIGHTS, SUBMIT MODIFIED STREETLIGHT ARM DESIGN WITH 8-FOOT ELLIPTICAL ARM (MR-AE-8) WITH PRESTRESSING PLATE.

VOLTAGE DROP TO ANY LUMINAIRE SHALL NOT BE GREATER THAN 5%. THE CITY REQUIRES CIRCUITS WHICH HAVE 240 VOLTS FOR STREET LIGHT SYSTEMS.

THIS INFORMATION WILL BE VERIFIED AND PLACED ON THE RECORD DRAWINGS AND TRANSMITTED TO THE PUBLIC WORKS DEPARTMENT PRIOR TO ENERGIZING THE STREETLIGHTS.

ALL CONTRACTORS AND DEVELOPERS SHALL BECOME AWARE OF THE CITY'S ENERGIZING POLICY IN ORDER TO ENERGIZE THE LIGHTS AS SOON AS POSSIBLE. RECORD DRAWINGS MUST BE SUBMITTED TO THE PUBLIC WORKS DEPARTMENT AS SOON AS POSSIBLE TO ASSURE ENERGIZING OF THE STREETLIGHTS IN A TIMELY MANNER.



RECORD PLAN

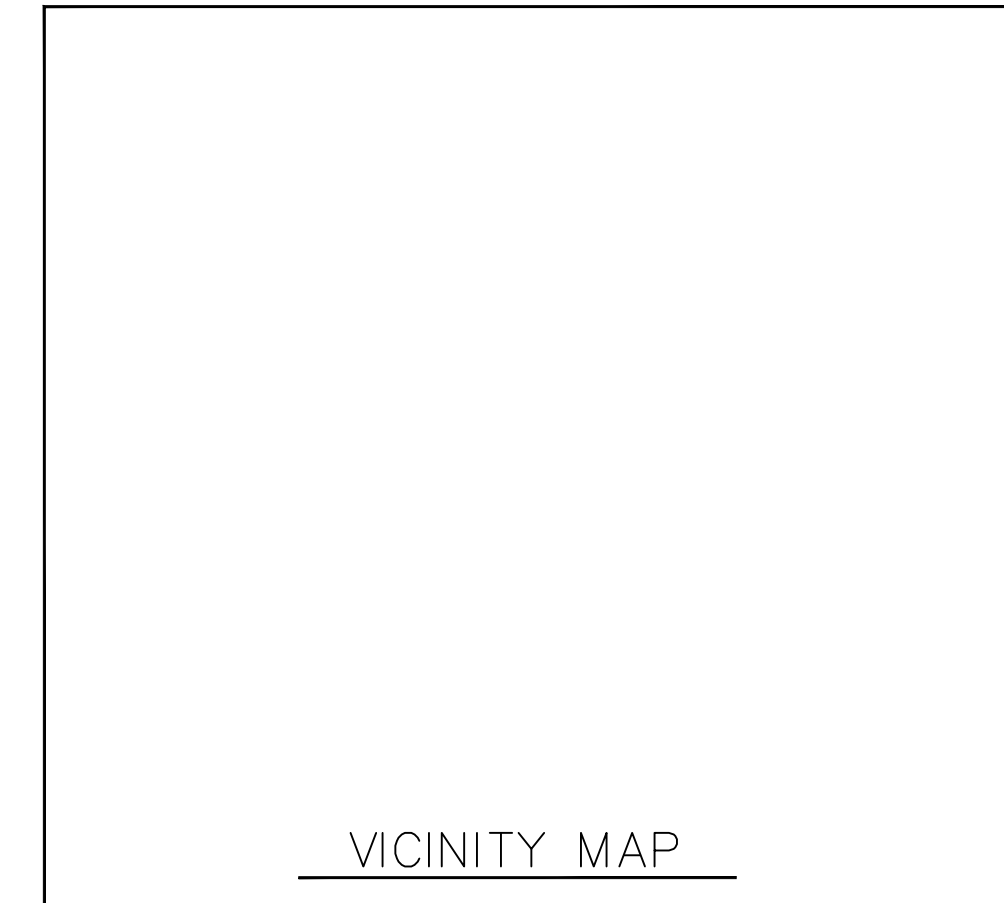
NAME \_\_\_\_\_ DATE \_\_\_\_\_  
P.E. # \_\_\_\_\_

| CITY APPROVED CHANGES |             |             |               | BENCH MARK   |  |
|-----------------------|-------------|-------------|---------------|--------------|--|
| No.                   | Description | Approved By | Approved Date | DESCRIPTION: |  |
|                       |             |             |               |              |  |
|                       |             |             |               |              |  |
|                       |             |             |               |              |  |
|                       |             |             |               |              |  |
|                       |             |             |               |              |  |

|                      |              |
|----------------------|--------------|
| DESCRIPTION: _____   |              |
| LOCATION: _____      |              |
| RECORDED FROM: _____ | DATUM: _____ |
| ELEVATION: _____     |              |

LEGEND

| LINE TYPE/SYMBOL | STD. DWG. | DESCRIPTION | QNTY-UNIT |
|------------------|-----------|-------------|-----------|
|                  |           |             |           |



ABBREVIATIONS



TOPOGRAPHY SOURCE



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 POWAY IS CONFINED TO A REVIEW ONLY AND DOES NOT RELIEVE ME, AS ENGINEER OF WORK OF MY RESPONSIBILITIES FOR PROJECT DESIGN.

INSERT NAME \_\_\_\_\_ RCE# \_\_\_\_\_ DATE \_\_\_\_\_

LOW IMPACT DESIGN REQUIREMENTS

I CERTIFY THAT THESE PLANS HAVE ADDRESSED AND/OR IMPLEMENTED LOW IMPACT DESIGN IN ACCORDANCE WITH THE CITY OF POWAY BMP DESIGN MANUAL.

ENGINEER: \_\_\_\_\_

INSERT NAME \_\_\_\_\_ RCE# \_\_\_\_\_ DATE \_\_\_\_\_

WDID NUMBER \_\_\_\_\_  
CITY OF POWAY JRM PRIORITY \_\_\_\_\_  
TTM/TPM/DR NUMBER \_\_\_\_\_

|                             |   |             |
|-----------------------------|---|-------------|
| Sheet<br>1                  | CITY OF POWAY<br>Department of Development Services | #<br>Sheets |
| IMPROVEMENT PLANS FOR       |   |             |
| California Coordinate Index |   |             |
| City Engineer               |   |             |
| Tracy Beach                 | P.E. 73756  | DATE        |
| Engineer of Work            | Checked By  |             |
| Name                        | P.E. #  | Drawing No. |

EROSION CONTROL NOTES

1. EROSION CONTROL DEVICES SHALL BE INSTALLED AS SHOWN ON THE APPROVED EROSION CONTROL PLAN.
2. THE RESPONSIBLE PERSON TO CONTACT FOR EROSION CONTROL IS LISTED BELOW:  
NAME: \_\_\_\_\_  
PHONE: \_\_\_\_\_
3. FAILURE TO HAVE EROSION CONTROL MEASURES INSTALLED AT THE REQUIRED TIMES WILL RESULT IN A STOP WORK ORDER AND MAY RESULT IN THE CITY INSTALLING APPROPRIATE EROSION CONTROL FUNDED BY THE PERMITTEE'S GRADING DEPOSIT. WORK SHALL NOT CONTINUE UNTIL THE GRADING DEPOSIT FUNDS ARE REPLACED AND EROSION CONTROL MEASURES ARE INSTALLED.
4. ALL MATERIALS FOR EROSION CONTROL INSTALLATION SHALL BE ON THE JOB SITE AT ALL TIMES. EROSION CONTROL MEASURES SHALL BE IN PLACE AT THE END OF EACH WORKING DAY WHENEVER THERE IS A 50% CHANCE OF RAIN WITHIN 48 HOURS. EROSION PROTECTION SHALL INCLUDE EFFECTIVE PLANTING OR COVERAGE OF ALL DISTURBED AREAS UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER.
5. EROSION PROTECTION SHALL INCLUDE EFFECTIVE PLANTING OF ALL SLOPES UNLESS OTHERWISE APPROVED BY THE CITY ENGINEER. PLANTING OF THE SLOPES SHALL BE DONE AS SOON AS PRACTICABLE, AND PRIOR TO ROUGH GRADE APPROVAL. IF THIS IS NOT ACCOMPLISHED, THE SLOPE SHALL BE TREATED WITH PUNCHED CEREAL STRAW, BROADCAST ON THE SOIL SURFACE AT FOUR THOUSAND POUNDS PER ACRE AND HELD WITH A TACKIFIER, FIBER OR NET, OR AN EQUAL SYSTEM APPROVED BY THE CITY ENGINEER OR CITY LANDSCAPE ARCHITECT. PLANTING SHALL BE INSTALLED, FULLY GERMINATED, AND EFFECTIVELY COVER THE REQUIRED SLOPES PRIOR TO FINISHED GRADE APPROVAL.
6. EARTH BERMS OR LINED BROW DITCHES SHALL BE USED TO PREVENT RUNOFF DRAINAGE FROM FLOWING OVER THE TOP OF SLOPES. A SIX-INCH-HIGH BY TWELVE-INCH-WIDE BERM (COMPACTED TO 90%) SHALL BE CONSTRUCTED ALONG THE TOPS OF SLOPES.
7. ALL RIP RAP ENERGY DISSIPATORS SHALL BE PER D-40 (TYPE I WITH CONCRETE SILL, OR TYPE II WITHOUT CONCRETE SILL.) ROCK SHALL BE PER SECTION 200-1.6 OF STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
8. ALL LOT PADS SHALL BE DESIGNED TO DRAIN TO AN ACCEPTABLE LOCATION AT A MINIMUM OF 1-1/2%.
9. DESILTATION BASINS SHALL BE INSTALLED AND MAINTAINED FOR THE DURATION OF THE PROJECT. EACH DESILTATION BASIN IS TO HAVE A CAPACITY OF 3,600 CUBIC FEET OF STORAGE PER ACRE DRAINED, OR DESIGNED TO REMOVE FINE SILT FOR A 10 YEAR, SIX HOUR STORM EVENT. THE BASINS ARE TO BE CLEANED TO DESIGN CONTOURS AFTER EVERY RUNOFF PRODUCING STORM. BASINS ARE NOT TO BE REMOVED OR MADE INOPERATIVE WITHOUT APPROVAL OF THE CITY ENGINEERING INSPECTOR.
10. TEMPORARY EROSION CONTROL DEVICES SHOWN ON THE EROSION CONTROL PLAN WHICH INTERFERE WITH THE WORK SHALL BE RELOCATED OR MODIFIED AS THE WORK PROGRESSES, WITH PRIOR APPROVAL FROM THE CITY ENGINEER.
11. ALL LOOSE SOIL AND DEBRIS GENERATED AS A RESULT OF ANY WORK ON THE PROJECT SHALL BE REMOVED FROM THE STREET AREAS DAILY.
12. VELOCITY CHECK DAMS SHALL BE INSTALLED ACROSS THE OUTLETS OF ALL LOTS DRAINING INTO THE STREET, ALL UNPAVED GRADED CHANNELS, AND ALL UNPAVED STREET AREAS.
13. STAND-BY CREWS SHALL BE ALERTED BY THE PERMITTEE OR CONTRACTOR FOR EMERGENCY WORK DURING RAINSTORMS.
14. SEWER, STORM DRAIN, AND UTILITY TRENCHES SHALL BE PROTECTED TO PREVENT SILTATION, WHICH MAY CAUSE DAMAGE OR BECOME A NUISANCE ON PUBLIC RIGHT-OF-WAY, PUBLIC DRAINAGE COURSES, OR DOWNSTREAM PRIVATE PROPERTIES.
15. GRAVEL BAG SILT BASINS OR TRAPS SHALL BE INSTALLED AT EVERY STORM DRAIN INLET TO PREVENT SEDIMENT FROM ENTERING THE STORM DRAIN SYSTEM. IN THE EVENT SILT DOES ENTER THE EXISTING STORM DRAIN SYSTEM, REMOVAL OF THE SILT FROM THE SYSTEM WILL BE AT THE PERMITTEE'S EXPENSE.
16. ANY PROPOSED CHANGES AND ALTERNATE EROSION CONTROL MEASURES MUST BE APPROVED IN ADVANCE BY THE CITY ENGINEER.
17. EROSION CONTROL DEVICES ARE TO BE MAINTAINED AND REPAIRED DAILY.
18. SILTATION RETENTION DEVICES ARE TO BE CLEANED OF SILT AFTER EACH RAIN EVENT AND/OR WHEN RETAINED SILT HEIGHT IS 75% OF TOTAL AVAILABLE CAPACITY OF THE RETENTION DEVICE.
19. PERMITTEE SHALL BE RESPONSIBLE FOR ALL FINES ASSESSED BY ANY OUTSIDE AGENCIES.

PAVEMENT NOTES

1. THE CITY ENGINEERING INSPECTOR WILL CONDUCT A PRE-PAVING MEETING BEFORE THE START OF ANY PAVING OPERATIONS. THE DEVELOPER AND/OR HIS FIELD REPRESENTATIVE AND THE PAVING CONTRACTOR ARE REQUIRED TO ATTEND THIS MEETING.
2. THE TRENCH BACKFILL COMPACTION TEST RESULTS FOR ALL TRENCHES IN THE PROPOSED PAVING AREA ARE TO BE SUBMITTED, IN WRITING, TO THE CITY ENGINEERING INSPECTOR BEFORE ANY BASE MATERIAL IS PLACED ON SUBGRADE.
3. SUBGRADE
  - A. THE CITY ENGINEERING INSPECTOR WILL INSPECT THE SUBGRADE AFTER THE SUBGRADE HAS BEEN ESTABLISHED, TESTED, AND APPROVED BY THE SOILS ENGINEER OR HIS QUALIFIED REPRESENTATIVE. THE SOILS ENGINEER MUST LEAVE A FIELD MEMO OR COMPACTION TEST RESULTS ON SITE. PRIOR TO PLACEMENT OF BASE MATERIALS, THE ENGINEER OF WORK SHALL PROVIDE WRITTEN CERTIFICATION INDICATING CONFORMANCE TO LINE AND GRADE.
  - B. SUBGRADE COMPACTION SHALL BE IN COMPLIANCE WITH SECTION 301-1.3 RELATIVE COMPACTION AS AMENDED IN THE LATEST ADOPTED EDITION OF THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE REGIONAL SUPPLEMENT AMENDMENTS.
4. BASE
  - A. BASE MATERIAL SHALL BE PLACED AND COMPACTED IN COMPLIANCE WITH SECTION 301-2.1 OF THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION," THE MOST RECENT EDITION.
  - B. BASE MATERIAL FOR PUBLIC IMPROVEMENTS SHALL BE CRUSHED AGGREGATE BASE IN COMPLIANCE WITH SECTION 200-2.2 OF THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION MOST RECENT EDITION.
  - C. BASE MATERIAL FOR PRIVATE IMPROVEMENTS SHALL BE CRUSHED AGGREGATE OR CRUSHED MISCELLANEOUS BASE MATERIAL CONFORMING TO SECTION 200-2-4 CRUSHED MISCELLANEOUS BASE OF THE "GREENBOOK" STANDARD SPECIFICATION FOR PUBLIC WORKS CONSTRUCTION, MOST RECENT EDITION ADOPTED, OR CLASS II BASE CONFORMING TO CALTRANS STANDARD SPECIFICATIONS, SECTION 26. FINAL SELECTION OF THE BASE MATERIAL FOR PRIVATE IMPROVEMENTS WILL BE MADE BY THE ENGINEER OF WORK AND APPROVED BY THE CITY PROJECT ENGINEER.
  - D. AFTER THE BASE COURSE HAS BEEN PLACED, TESTED, AND APPROVED BY THE SOILS ENGINEER OR HIS QUALIFIED REPRESENTATIVE, THE SOILS ENGINEER MUST LEAVE A FIELD MEMO ON SITE PROVIDING COMPACTION TEST RESULTS FOR THE CITY ENGINEERING INSPECTOR. ASPHALT CONCRETE PLACEMENT SHALL NOT PROCEED UNTIL THE BASE MATERIAL IS INSPECTED BY THE CITY ENGINEERING INSPECTOR AND BASE COMPACTION TEST RESULTS ARE RECEIVED FROM THE SOILS ENGINEER AND APPROVED BY THE CITY'S PROJECT ENGINEER.
5. ASPHALTIC CONCRETE
  - A. ASPHALTIC CONCRETE SHALL CONFORM TO SECTION 203-6.5, TYPE III CLASS B2, B3, C2, OR C3 OF THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION, MOST RECENT EDITION ADOPTED, OR PG-64-10.
  - B. PLACEMENT OF ASPHALTIC CONCRETE SHALL BE INSPECTED AND APPROVED BY THE CITY ENGINEERING INSPECTOR. PLACEMENT OF ASPHALTIC CONCRETE SHALL BE IN ACCORDANCE WITH SECTION 302-5, ASPHALT CONCRETE PAVEMENT, OF THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (MOST RECENT EDITION ADOPTED), THE REGIONAL SUPPLEMENTAL AMENDMENTS (MOST RECENT EDITION ADOPTED) TO THE "GREENBOOK", AND THE CITY OF POWAY'S CRITERIA FOR ASPHALTIC CONCRETE PLACEMENT.
  - C. COMPACTION OF THE ASPHALTIC CONCRETE USED FOR PUBLIC IMPROVEMENTS IS TO BE A MINIMUM OF 95% RELATIVE COMPACTION, AS DETERMINED BY THE THEORETICAL MAXIMUM UNIT WEIGHT (ASTM D-1560 HVEEM).
  - D. COMPACTION OF THE ASPHALTIC CONCRETE USED FOR PRIVATE IMPROVEMENTS SHALL BE DONE IN ACCORDANCE WITH SECTION 302-5.6.2 OF THE "GREENBOOK" STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION (MOST RECENT EDITION ADOPTED) AND AS RECOMMENDED BY THE ENGINEER OF WORK.
  - E. TESTING AND FIELD SAMPLING OF ASPHALTIC CONCRETE SHALL BE BY A PERSON TRAINED TO PERFORM ASPHALTIC CONCRETE COMPACTION TESTING AND FIELD SAMPLING.
6. PRIOR TO PROJECT APPROVAL OR ACCEPTANCE BY THE CITY OF POWAY:
  - A. THE ENGINEER OF WORK SHALL PROVIDE CERTIFICATION OF LINE AND GRADE OF THE FINISH SURFACE.
  - B. THE LABORATORY COMPLIANCE TEST RESULTS AND ASPHALTIC CONCRETE COMPACTION TEST RESULTS ARE TO BE SUBMITTED TO THE CITY'S PROJECT ENGINEER AND CITY ENGINEERING INSPECTOR FOR REVIEW AND ACCEPTANCE.
  - C. STRIPING FOR PUBLIC STREET IMPROVEMENTS SHALL BE COMPLETED TO THE APPROVAL OF THE CITY OF POWAY TRAFFIC ENGINEER.
  - D. THE PAVEMENT SHALL BE WATER TESTED FOR PROPER DRAINAGE AND APPROVED BY THE CITY ENGINEERING INSPECTOR.

ADDITIONAL NOTES

1. ALL ABBREVIATIONS SHALL BE PER THE MOST CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION.
2. ALL LEGENDS SHALL BE PER THE MOST CURRENT EDITIONS OF THE SAN DIEGO AREA REGIONAL STANDARD DRAWINGS OR CALTRANS STANDARD PLANS.
3. ANY MODIFICATIONS TO ANY SAN DIEGO AREA REGIONAL STANDARD DRAWING OR CALTRANS STANDARD DRAWING SHALL BE INDICATED BY A SPECIFIC DETAIL DRAWING LOCATED ON THE PLANS.
4. THE CITY OF POWAY APPROVED MATERIALS LIST CAN BE DOWNLOADED FROM THE CITY OF POWAY WEBSITE.
5. WHERE CONFLICTS ARISE, THE CITY OF POWAY SUPPLEMENTAL AMENDMENTS FOR WATER AND SEWER FACILITIES SUPERSEDE THE REGIONAL STANDARDS AND REGIONAL STANDARD DRAWINGS.

STORM DRAIN PIPE BACKFILL NOTES

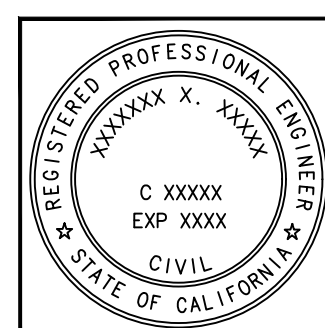
THE REQUIREMENTS FOR STORM DRAIN BACKFILL VARY RELATIVE TO THE SIZE OF THE STORM DRAIN PIPE INSTALLED. THE SPECIFIC REQUIREMENTS ARE AS FOLLOWS:

- A. PIPE DIAMETER 30" AND LESS: 3/4" CRUSHED ROCK BEDDING MATERIAL SHALL BE PLACED FROM 4 TO 6 INCHES BELOW THE PIPE AND, ONCE THE PIPE IS PLACED, 3/4" CRUSHED ROCK SHALL BE USED AS BACKFILL TO 12 INCHES OVER THE TOP OF THE PIPE. A GEOTEXTILE FABRIC SHALL BE PLACED OVER THE CRUSHED ROCK PRIOR TO PLACEMENT OF SOIL BACKFILL. THE GEOTEXTILE FABRIC SHALL CONFORM TO SECTION 213-2 GEOSYNTHETICS, OF THE MOST CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREENBOOK".
- B. PIPE DIAMETER GREATER THAN 30": 3/4" CRUSHED ROCK BEDDING MATERIAL SHALL BE PLACED FROM 4 TO 6 INCHES BELOW THE PIPE AND, ONCE THE PIPE IS PLACED, 3/4" CRUSHED ROCK SHALL BE USED AS BACKFILL UP TO THE SPRINGLINE OF THE PIPE. BACKFILL FROM THE SPRINGLINE OF THE PIPE TO 12 INCHES OVER THE TOP OF THE PIPE SHALL BE GRANULAR SOIL WITH A SAND EQUIVALENT OF 30 OR GREATER. THE GRANULAR SOIL SHALL BE COMPACTED TO 90% MINIMUM RELATIVE COMPACTION. GEOTEXTILE FABRIC IS NOT REQUIRED.

ALL 3/4" CRUSHED ROCK SHALL CONFORM TO SECTION 200-1.2 CRUSHED ROCK AND ROCK DUST, OF THE MOST CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREENBOOK". COMPACTION REQUIREMENTS FOR BACKFILL OVER THE PIPE (OUTSIDE THE PARAMETERS SET FORTH IN A. AND B. ABOVE) SHALL COMPLY WITH THE MOST CURRENT EDITION OF THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION "GREENBOOK".

WDID NUMBER \_\_\_\_\_  
CITY OF POWAY JRMP PRIORITY \_\_\_\_\_  
TTM/TPM/DR NUMBER \_\_\_\_\_

|                             |   |                   |
|-----------------------------|---|-------------------|
| Sheet<br><b>2</b>           | CITY OF POWAY<br>Department of Development Services | #<br>Sheets       |
| IMPROVEMENT PLANS FOR       |   |                   |
| California Coordinate Index |   |                   |
| City Engineer _____         |   |                   |
| Tracy Beach P.E. 73756      |   | DATE _____        |
| Engineer of Work _____      | Checked By _____                                    | Drawing No. _____ |
| Name _____ P.E. # _____     |   |                   |



**RECORD PLAN**

NAME \_\_\_\_\_ DATE \_\_\_\_\_  
P.E. # \_\_\_\_\_

| CITY APPROVED CHANGES |             |             |               |
|-----------------------|-------------|-------------|---------------|
| No.                   | Description | Approved By | Approved Date |
|                       |             |             |               |
|                       |             |             |               |

| BENCH MARK           |              |
|----------------------|--------------|
| DESCRIPTION: _____   |              |
| LOCATION: _____      |              |
| RECORDED FROM: _____ |              |
| ELEVATION: _____     | DATUM: _____ |