

### Improvement Plan Check List

10/2014 PDS LD

#### A. GENERAL:

Note: Verify all pertinent conditions of resolution of approval of TM/TPM \_\_\_\_\_ or special use permit \_\_\_\_\_ or rezone \_\_\_\_\_ if applicable.

- \_\_\_\_\_ 1. Improvement plans to be placed on 24'' X36'' sheets with a 1'' border on all edges with standard title block. (Note that std. Mylar of first sheet is available for reproduction)
- \_\_\_\_\_ 2. Show North arrow and scale on all sheets.
- \_\_\_\_\_ 3. Location Map or Vicinity map on title sheet (show distance to nearest street intersection, page and section of Thomas Brothers).
- \_\_\_\_\_ 4. Lot No. on key map (1'' =200' with legend)
- \_\_\_\_\_ 5. Show Key map for projects covering several sheets and Sheet Index
- \_\_\_\_\_ 6. Key Map shall include \_\_\_Street name \_\_\_ Street Light \_\_\_ Fire Hydrant \_\_\_Sewer \_\_\_ Water \_\_\_ Street name signs \_\_\_ Block Nos. \_\_\_Easements \_\_\_ Drainage flow arrows in streets
- \_\_\_\_\_ 7. List of Work to be done on sheet 1 or sheet 2 (with standard drawing numbers)
- \_\_\_\_\_ 8. Owner's and/or Permittee's name, address and telephone number.
- \_\_\_\_\_ 9. Civil engineer's name, address, telephone number, signature in title block.
- \_\_\_\_\_ 10. Short legal description and Bench mark: show location on plan and describe in space provided (if datum is assumed, so note).
- \_\_\_\_\_ 11. Show Assessor's Parcel Number.
- \_\_\_\_\_ 12. Show California coordinates in title block.
- \_\_\_\_\_ 13. Purpose of Improvement Plans shown in the title block.
- \_\_\_\_\_ 14. Show all applicable permits such as Rezone, TM, TPM L-Grading, NOI number, and dates of their approval next to title block where applicable.
- \_\_\_\_\_ 15. Typical street sections. Show street light (7' behind TC) and Fire Hydrant
- \_\_\_\_\_ 16. Required General Notes and dig alert.
- \_\_\_\_\_ 17. Signature blocks for Sewer, and Water and Fire agencies
- \_\_\_\_\_ 18. NOI# - if disturbed area > 1 acre.

#### B. DRAINAGE

- \_\_\_\_\_ 1. All drainage facility necessary for road and road construction is a condition of subdivision (security), regardless it is for public or private, should be in a storm drain improvement plan with plan and profile design.
- \_\_\_\_\_ 2. Map of all drainage area affecting the improvements has been submitted.
- \_\_\_\_\_ 3. Calculations showing hydrology and hydraulics have been submitted.
- \_\_\_\_\_ 4. Obtain 1% minimum X-slope on profile grades over 1.0 percent obtain 2% minimum X-slope in profile grades less than 1.0%. Try for constant 2%.
- \_\_\_\_\_ 5. Check for drainage easement. Check for cross-gutter, elev. at spandrels.

## ○ - Items to be re-checked

- \_\_\_\_\_ 6. Approval for diverting natural water course and discharge of drainage onto adjoining property requires “Waiver and Release” letter, signed and notarized, from affected property owner’s.
- \_\_\_\_\_ 7. Show BMP stencil placement and notes.
- \_\_\_\_\_ 8. Check for non-erosive velocities at point of discharge, or adequate energy dissipator (D-40 and Table 7-1 of Drainage Design Manual).
- \_\_\_\_\_ 9. Check for proper inlet location, length, street capacity per design manual.

### C. STREET IMPROVEMENTS

- \_\_\_\_\_ 1. Horizontal curves to conform with County design standards and intersectional sight distance requirements.
- \_\_\_\_\_ 2. Show plan and profile of water and sewer lines, both new and existing.
- \_\_\_\_\_ 3. Fire hydrants correctly located or relocated.
- \_\_\_\_\_ 4. Encroachment permit from other agencies as required.
- \_\_\_\_\_ 5. Stations on plan and profiles – 2 Line profile with natural ground, show natural ground profile outside boundary at end on street (100’ min.).
- \_\_\_\_\_ 6. Show plan, profile, and stationing of existing streets being tied to or widened. Provide centerline equation if necessary. Area shown to include required transitions.
- \_\_\_\_\_ 7. Check adjacent/nearby existing road plans. Either subdivision road surveys or curb grades.
- \_\_\_\_\_ 8. Street name signs and traffic signs and barricades on stub streets.
- \_\_\_\_\_ 9. Street names approval , numbers and arrows been submitted to DPLU
- \_\_\_\_\_ 10. Wheel chair ramps (only where sidewalk being installed)
- \_\_\_\_\_ 11. Extra 1.5 feet of fill shoulder on select system roads.
- \_\_\_\_\_ 12. AC dike to drain gutter water along AC taper to existing ditch.
- \_\_\_\_\_ 13. Overlay existing pavement as necessary to provide a smooth transition
- \_\_\_\_\_ 14. Profile existing EP on curb grades and on centerline profiles with station, elevations and percent grades shown.
- \_\_\_\_\_ 15. Elevation of drainage pipes – invert, top of curb, rim elev., gutter depression,
- \_\_\_\_\_ 16. Elevation of curb returns arcs and station to be shown.
- \_\_\_\_\_ 17. Width of Right of Way and drainage easements and No. / Date of new dedication.
- \_\_\_\_\_ 18. Width of paving, sidewalks, cut-off walls at end of stub out street.
- \_\_\_\_\_ 19. Cul-de-sac 38’ minimum turning area. Permanent cul-de-sac grade not to exceed 6%. See DS-06 for additional information.
- \_\_\_\_\_ 20. Compare with final map for easements.
- \_\_\_\_\_ 21. Street light location approved and service line installation data shown.
- \_\_\_\_\_ 22. Provide transition from end of sidewalk to natural ground.
- \_\_\_\_\_ 23. Obtain proper stopping sight distance on vertical curves.
- \_\_\_\_\_ 24. Place chevrons where curb and walk are not contiguous and slope greater than 7%.
- \_\_\_\_\_ 25. Reference centerline to County of San Diego approved road plans, i.e. road survey, subdivision map, etc.

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- \_\_\_\_\_ 26. Check all existing power poles, fire hydrants and other existing structures that may affect the improvements.
- \_\_\_\_\_ 27. Streets with grades 1% or less or grades greater than or equal to 10% require concrete curb and gutter from intersection to intersection.
- \_\_\_\_\_ 28. Check possible encroachments of slopes etc. on adjacent properties.
- \_\_\_\_\_ 29. Compare against grading plans for continuity.
- \_\_\_\_\_ 30. Submit engineer's cost estimate for the necessary improvements including sewer and water mains and laterals only when necessary plan corrections are of a minor nature.
- \_\_\_\_\_ 31. Use the attached "Additional Deposit In-House Estimate" form, with the first plan review and forward to the Counter for additional deposit.

D. SWMP

- \_\_\_\_\_ 1. Start from INTAKE Form.
- \_\_\_\_\_ 2. Show Construction BMPs on Erosion Control plans.
- \_\_\_\_\_ 3. Show Permanent TCBMPs on separate sheets.
- \_\_\_\_\_ 4. Input RECORD data to Excel: "Z:\PCCommon\LAND DEVELOPMENT TEAMS\PL-JURMP Annual Report FY 13-14 Susan.xlsx"
  - Create new "LDSWTR" account on ACCELA, (on hold until further notice.)

GENERAL NOTES:

1. A PERMIT SHALL BE OBTAINED FROM THE COUNTY DEPARTMENT OF PUBLIC WORKS FOR ANY WORK WITHIN THE STREET RIGHT-OF-WAY.
2. THE STRUCTURAL SECTION SHALL BE IN ACCORDANCE WITH SAN DIEGO COUNTY STANDARDS AND AS APPROVED BY THE MATERIALS LABORATORY.
3. APPROVAL OF THESE IMPROVEMENT PLANS AS SHOWN DOES NOT CONSTITUTE APPROVAL OF ANY CONSTRUCTION OUTSIDE THE PROJECT BOUNDARY.
4. ALL UNDERGROUND UTILITIES WITHIN THE STREET RIGHT-OF-WAY SHALL BE CONSTRUCTED, CONNECTED AND TESTED PRIOR TO CONSTRUCTION OF DIKE, CURB, CROSS GUTTER AND PAVING.
5. THE EXISTENCE AND LOCATION OF EXISTING UNDERGROUND FACILITIES SHOWN ON THESE PLANS WERE OBTAINED BY A SEARCH OF THE AVAILABLE RECORDS. TO THE BEST OF OUR KNOWLEDGE, THERE ARE NO OTHER EXISTING FACILITIES EXCEPT AS SHOWN ON THESE PLANS. HOWEVER, THE CONTRACTOR IS REQUIRED TO TAKE PRECAUTIONARY MEASURES TO PROTECT ANY EXISTING FACILITY SHOWN HEREON AND ANY OTHER WHICH IS NOT OF RECORD OR NOT SHOWN ON THESE PLANS.
6. LOCATION AND ELEVATION OF IMPROVEMENTS TO BE MET BY WORK TO BE DONE SHALL BE CONFIRMED BY FIELD MEASUREMENTS PRIOR TO CONSTRUCTION OF NEW WORK. CONTRACTOR WILL MAKE EXPLORATORY EXCAVATIONS AND LOCATE EXISTING UNDERGROUND FACILITIES SUFFICIENTLY AHEAD OF CONSTRUCTION TO PERMIT

○ - Items to be re-checked

REVISIONS TO PLANS IF REVISIONS ARE NECESSARY BECAUSE OF ACTUAL LOCATION OF EXISTING FACILITIES.

7. THE CONTRACTOR SHALL NOTIFY THE SAN DIEGO GAS & ELECTRIC COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS/HER WORK WITH COMPANY REPRESENTATIVES.  
NOTICE: ALL ELECTRICAL AND GAS SERVICES WITHIN THIS PROJECT ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF ELECTRICAL CABLES AND GAS PIPING AND APPURTENANCES CONTACT THE SAN DIEGO GAS & ELECTRIC COMPANY. TEL: (\_\_\_\_) \_\_\_\_\_
8. THE CONTRACTOR SHALL NOTIFY THE AT&T TELEPHONE COMPANY PRIOR TO STARTING WORK NEAR COMPANY FACILITIES AND SHALL COORDINATE HIS/HER WORK WITH COMPANY REPRESENTATIVES.  
NOTICE: ALL TELEPHONE SERVICES WITHIN THIS PROJECT ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF CABLE AND APPURTENANCES CONTACT THE AT&T TELEPHONE COMPANY. TEL: (\_\_\_\_) \_\_\_\_\_
9. IT SHALL BE THE RESPONSIBILITY OF THE DEVELOPER TO CONTACT THE UTILITY AGENCIES, ADVISE THEM OF THE PROPOSED IMPROVEMENTS, AND BEAR THE COST OF RELOCATIONS, IF NEEDED.
10. ALL TELEVISION SERVICES WITHIN THIS PROJECT ARE "UNDERGROUND INSTALLATIONS". FOR LOCATION OF CABLES AND APPURTENANCES CONTACT \_\_\_\_\_ COMPANY AT \_\_\_\_\_.
11. POWER SOURCES AND RUNS SERVING STREET LIGHTS SHALL BE SHOWN ON THE "RECORD PLAN" IMPROVEMENT DRAWINGS. ALL POWER SOURCES SHALL BE LOCATED WITHIN THE DEDICATED RIGHT-OF-WAY, OR WITHIN EASEMENTS DEDICATED TO THE COUNTY OF SAN DIEGO.
12. NO PAVING SHALL BE DONE UNTIL EXISTING POWER POLES ARE RELOCATED OUTSIDE THE AREAS TO BE PAVED.
13. PRIVATE ROAD IMPROVEMENTS SHOWN HEREON ARE FOR INFORMATION ONLY. COUNTY OFFICIALS SIGNATURE HEREON DOES NOT CONSTITUTE APPROVAL OR RESPONSIBILITY OF ANY KIND FOR THE DESIGN OR CONSTRUCTION OF THESE PRIVATE IMPROVEMENTS. (IF APPLICABLE)
14. ALL SIGNS TO BE ALUMINUM WITH 3M HIGH INTENSITY TYPE REFLECTIVE FACE OR EQUIVALENT.
15. CONTRACTOR SHALL BE RESPONSIBLE FOR THE REPLACEMENT OF ANY STRIPING, PAVEMENT MARKERS, OR LEGENDS OBLITERATED BY THE CONSTRUCTION OF THIS PROJECT.
16. ALL NEW STRIPING AND SANDBLASTING OF REDUNDANT STRIPING SHALL BE DONE BY CONTRACTOR.
17. ALL CUT AND FILL SLOPES THREE FEET (3') HIGH CREATED BY GRADING FOR STREETS AND DRIVEWAYS SHALL BE HYDROSEEDED WITH SAN DIEGO COUNTY APPROVED HYDROSEED MIXTURE. HYDROSEEDED

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- SLOPES SHALL BE IRRIGATED BY WATER TRUCK UNTIL THE MIXTURE GERMINATES AND 70% GROWTH IS ESTABLISHED.
18. ASPHALT CONCRETE SURFACING MATERIAL SHALL BE HAND-RAKED AND COMPACTED TO FORM SMOOTH TAPERED CONNECTIONS ALONG ALL EDGES INCLUDING THOSE EDGES ADJACENT TO SOIL. THE EDGES OF ASPHALT CONCRETE SHALL BE HAND-RAKED AT 45 DEGREES OR FLATTER, SO AS TO PROVIDE A SMOOTH TRANSITION NEXT TO EXISTING SOIL, INCLUDING THOSE AREAS SCHEDULED FOR SHOULDER BACKING. THE ABOVE SHALL BE DONE TO THE SATISFACTION OF THE DIRECTOR OF PUBLIC WORKS.
  19. CONTRACTOR SHALL APPLY FOR A TRAFFIC CONTROL PERMIT TWO WEEKS PRIOR TO COMMENCEMENT OF WORK. NO WORK SHALL COMMENCE UNTIL ISSUANCE OF SAID PERMIT. FOR INFORMATION CALL (858) 874-4025. THE TRAFFIC CONTROL PERMIT SHALL REQUIRE SPECIFICATIONS FOR THE INFORMATIONAL SIGNS.
  20. STREET IMPROVEMENTS AND DRAINAGE STRUCTURES SHALL BE CONSTRUCTED ACCORDING TO THE STANDARD SPECIFICATIONS FOR PUBLIC WORKS CONSTRUCTION AND THE COUNTY OF SAN DIEGO SPECIAL PROVISIONS AND SPECIFICATIONS FOR THE IMPROVEMENT OF NEW STREETS.

BMP STENCIL PLACEMENT NOTES to be shown on plans:

- A) ALL STORM DRAIN INLETS AND CATCH BASINS WITHIN THE PROJECT AREA SHALL HAVE A STENCIL OR TILE PLACED WITH PROHIBITIVE LANGUAGE (SUCH AS: "NO DUMPING- I LIVE IN <<NAME RECEIVED WATER>>") AND/OR GRAPHICAL ICONS TO DISCOURAGE ILLEGAL DUMPING.
- B) SIGNS AND PROHIBITIVE LANGUAGE AND/OR GRAPHICAL ICONS, WHICH PROHIBIT ILLEGAL DUMPING, MUST BE POSTED AT PUBLIC ACCESS POINTS ALONG CHANNELS AND CREEKS WITHIN THE PROJECT AREA.
- C) LEGIBILITY OF STENCILS, TILES AND SIGNS MUST BE MAINTAINED AND TILES MUST BE PLACED FLUSH WITH THE TOP OF CONCRETE TO REDUCE TRIPPING BY PEDESTRIANS.

NOTICE:

THE ISSUANCE OF THIS PERMIT/APPROVAL BY THE COUNTY OF SAN DIEGO DOES NOT AUTHORIZE THE APPLICANT FOR SAID PERMIT/APPROVAL TO VIOLATE ANY FEDERAL, STATE, OR COUNTY LAWS, ORDINANCES, REGULATIONS, OR POLICIES INCLUDING, BUT NOT LIMITED TO, THE FEDERAL ENDANGERED SPECIES ACT AND ANY AMENDMENTS THERETO.

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Check Additional Comments from LAB – 2-18-2009

CMP selected for stormdrain:

C.M.P. STORM DRAINS SHALL BE CERTIFIED BY THE DEVELOPER'S SOILS ENGINEER TO HAVE A 60 YEAR SERVICE LIFE (IN THE PUBLIC RIGHT-OF-WAY) AND 25 YEAR SERVICE LIFE (PRIVATE PROPERTY) FOR THE PARTICULAR SOIL AND LOCATION SHOWN ON THE PLANS. THIS CERTIFICATION SHALL BE MADE PRIOR TO THE INSTALLATION OF THE STORM DRAIN.

For Subdivision

THE CONSTRUCTION OF ONE PCC STANDARD DRIVEWAY PER LOT, LOCATION TO BE DETERMINED IN THE FIELD BY THE ENGINEER OF WORK. PCC SURFACING OF DRIVEWAY TO EXTEND FROM CURB TO PROPERTY LINE. USE STANDARD DRAWINGS G-14, G-15, G-16.

TV inspection requirement note for pipe <48"

During plan check, the Land Development Review or Capital Improvement Program Teams shall include the following notes on all storm drain improvement plans where pipes less than 48" in diameter are proposed:

"Final acceptance of the to-be publicly maintained storm drain lines will be subject to internal closed circuit television (CCTV) inspection by a CCTV contractor. The permittee/contractor will be responsible to schedule and pay for the costs of inspection. Once CCTV inspection is completed, it shall be submitted to the DPW Inspector for review and final approval. CCTV inspection shall meet the requirements set forth in DLI-LD-H"