

**CITY OF FRESNO
PUBLIC WORKS DEPARTMENT
GENERAL NOTES FOR
STREET PLANS ASSOCIATED WITH A DEVELOPMENT PROJECT**

GENERAL NOTES:

1. THE WORK EMBRACED HEREIN SHALL BE DONE IN ACCORDANCE WITH THE APPROPRIATE PROVISIONS OF THE SPECIFICATIONS ENTITLED CITY OF FRESNO, STANDARD SPECIFICATIONS, FEBRUARY 2016 EDITION, INSOFAR AS THE SAME MAY APPLY, WHICH SPECIFICATIONS HEREINAFTER ARE REFERRED TO AS THE STANDARD SPECIFICATION.
2. THE SANITARY SEWER SYSTEM AND HOUSE CONNECTIONS, TOGETHER WITH WATER MAIN, GAS MAINS, IF ANY, AND THEIR RESPECTIVE SERVICE CONNECTIONS SHALL BE COMPLETED IN THE STREET BEFORE INSTALLATION OF THE STREET SURFACING.
3. INSTALL SIDEWALKS, CURBS, AND GUTTERS AS PER CITY OF FRESNO STANDARD DRAWING P-5 AND IN ACCORDANCE WITH DETAILS ON THESE DRAWINGS. CURBS AND GUTTERS SHALL BE CONSTRUCTED BEFORE PLACING THE STREET SURFACING AND BASE COURSE.
4. PERMITS MUST BE OBTAINED AND FEES PAID IN ACCORDANCE WITH ORDINANCES OF THE CITY OF FRESNO.
5. THE TYPICAL CROSS SECTIONS SHOWN SHALL BE USED ONLY FOR THE PAVEMENT STRUCTURAL SECTION, OVERLAY THICKNESS AND SIDE SLOPES. SEE PLAN AND PROFILE SHEETS FOR HORIZONTAL LIMITS AND LOCATIONS OF CURB AND GUTTER, MEDIAN ISLANDS, SAWCUTTING, GRINDING, OVERLAYS, SIDEWALKS, FENCES, ROW LINES, EXISTING FEATURES AND ANY OTHER PROPOSED IMPROVEMENTS. THE TYPICAL CROSS SECTION SHOULD NOT BE USED FOR STAKING OF PROPOSED IMPROVEMENTS.
6. ALL STREETS SHALL BE SURFACED IN ACCORDANCE WITH THIS PLAN AND THE FOLLOWING SPECIFICATIONS:
 - A. 6-INCH SUBGRADE AND ALL FILLS IN EXCESS OF 6 INCHES WILL BE COMPACTED IN ACCORDANCE WITH THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION, SECTION 19 OF THE STANDARD SPECIFICATIONS, 2015 EDITION.
 - B. AGGREGATE BASE SHALL CONFORM TO AND BE PLACED IN ACCORDANCE WITH SECTION 12 OF THE CITY STANDARDS SPECIFICATIONS, USING CLASS 2 AGGREGATE BASE, AND AGGREGATE SUB-BASE SHALL UTILIZE CLASS 2 AGGREGATE SUB-BASE MATERIAL (MINIMUM 50 R-VALUE).
 - C. PAINT BINDER WILL BE AS SPECIFIED BY THE CITY ENGINEER AND SHALL CONFORM TO AND BE APPLIED IN ACCORDANCE WITH SECTION 13 OF THE CITY STANDARD SPECIFICATIONS.

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- D. ASPHALT CONCRETE SURFACING SHALL BE TYPE A USING PG 64-10 ASPHALT BINDER, CONFORMING TO AND PLACED IN ACCORDANCE WITH SECTION 13 OF THE CITY SPECIFICATIONS.
7. ALL BOUNDARY STREETS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THIS PLAN.
8. THE TRANSITION BETWEEN THE EDGE AND END OF THE REQUIRED STREET SURFACING AND THE EXISTING SURFACING OR GROUND SHALL NOT HAVE A SLOPE STEEPER THAN 5 PERCENT.
9. ANY CONCRETE WORK TO BE CONSTRUCTED SHALL CONFORM TO CITY OF FRESNO STANDARDS ADOPTED BY RESOLUTION No. 70-36, AS REVISED.
10. INSTALL STREET LIGHTING SYSTEM IN ACCORDANCE WITH RESOLUTION No. 78-522 AND 88-229. LOCATION OF LIGHTS TO BE DETERMINED AND APPROVED BY THE TRAFFIC ENGINEER, SERVICE LOCATION TO BE DETERMINED BY P.G. &E. THE STREETLIGHTS SHALL BE INSTALLED IN ACCORDANCE WITH PUBLIC WORKS STANDARDS E-1 THROUGH E-28.
11. TRAFFIC REQUIREMENTS:
- A. ALL SIGNING, DETOURING AND BARRICADING SHALL CONFORM TO THE 2014 CALIFORNIA SUPPLEMENT TO THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES ISSUED BY THE STATE OF CALIFORNIA, DEPARTMENT OF TRANSPORTATION.
- B. ALL SIGNS SHALL BE RETROFLECTIVE PER CHAPTER 2A.08 OF THE 2014 MUTCD.
- C. HIGH LEVEL WARNING DEVICES SHALL BE USED ON ALL APPROACHES TO THE CONSTRUCTION AREA.
- D. SPECIAL ATTENTION IS CALLED TO SECTION 7-10.1 THROUGH 10.3 OF THE CITY STANDARD SPECIFICATIONS.
- E. ONE (1) 12-FOOT DRIVING LANE MUST BE MAINTAINED IN EACH DIRECTION AT ALL TIMES.
- F. NO PUBLIC STREET SHALL BE CLOSED WITHOUT PRIOR APPROVAL FROM THE CITY TRAFFIC ENGINEER.
- G. STREET WORK PERMITS ISSUED TO ALLOW WORK IN THE PUBLIC RIGHT-OF-WAY SHALL BE REVOKED IF THE ABOVE REQUIREMENTS OF SUBPARAGRAPHS "A" THROUGH "G" ARE NOT STRINGENTLY COMPLIED WITH BY THE DEVELOPER'S FORCES DURING OFF-SITE STREET IMPROVEMENT CONSTRUCTION OPERATIONS. REVOKED PERMITS SHALL NOT BE RE-ISSUED UNTIL SUCH TIME AS THE PUBLIC WORKS DIRECTOR IS SATISFIED THAT THE DEVELOPER'S CONTRACTORS WILL PERFORM THEIR

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OPERATION IN COMPLIANCE WITH THE ABOVE REQUIREMENTS,
INCLUDING THE CONDITIONS OF THE STREET WORK PERMIT.

12. EXISTING PAVEMENT SHALL NOT BE REMOVED UNTIL SUCH TIME AS ALL UTILITIES ARE COMPLETED AND PAVING CONTRACTOR IS READY TO REPAIR WITHIN 5 DAYS.
13. ALL STORM DRAINAGE FACILITIES ARE TO BE COMPLETED PRIOR TO START OF STREET WORK AND IN ACCORDANCE WITH FRESNO METROPOLITAN FLOOD CONTROL DISTRICT STANDARD SPECIFICATIONS AND STANDARD PLANS, APRIL 1, 2011 EDITION, AND REVISIONS THEREOF.
14. CONTRACTOR WILL NOTIFY F.M.F.C.D CONSTRUCTION MANAGER, AT (559) 456-3292,

48 HOURS PRIOR TO CONNECTING TO ANY STORM DRAIN FACILITY.
15. CONSTRUCT ACCESSIBLE RAMPS AND FINISH RAMP SURFACES AS DIRECTED BY ENGINEER.
16. ALL SEWER MANHOLES AFFECTED BY THIS PROJECT SHALL BE ADJUSTED TO GRADE AS NECESSARY AND INCLUDED IN THIS WORK.
17. ALL EXISTING WATER MAIN VALVES (CAP AND LID) SHALL BE ADJUSTED TO GRADE BY CONTRACTOR. FOR COORDINATION WITH WATER DIVISION, CALL (559) 621-5360.
18. TWO WORKING DAYS PRIOR TO COMMENCING EXCAVATION, THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICES ALERT, TOLL FREE, AT 1-800-227-2600 or 811.
19. INITIAL COMPACTION TESTS SHALL BE PAID FOR BY THE DEVELOPER, ANY REQUIRED RETESTS SHALL BE PAID FOR BY THE CONTRACTOR.
20. THE DEVELOPER SHALL OBTAIN POLE IDENTIFICATION NUMBERS FROM PG&E AND THE DEVELOPER SHALL INSTALL NUMBERS IN ACCORDANCE WITH CITY OF FRESNO STANDARD DRAWING E-25.
21. ALL EXISTING OVERHEAD UTILITIES SHALL BE PLACED UNDERGROUND AS PER RESOLUTION No. 78-522 AND 88-229. IF OVERHEAD UTILITIES ARE TO BE RELOCATED, THE RELOCATION SHALL BE COMPLETED PRIOR TO FINAL ACCEPTANCE OF THE STREET IMPROVEMENTS BY THE CITY.
22. APPROVAL OF STREET PLANS SHALL IN NO WAY BE CONSTRUED AS A GRANT BY THE CITY OF ANY RIGHTS TO THE SUBDIVIDER TO TRESPASS UPON LAND RIGHTFULLY IN THE POSSESSION OF, OR OWNED BY ANOTHER, WHETHER SUCH LAND IS PRIVATELY OR PUBLICLY OWNED. THE DEVELOPER SHALL OBTAIN WRITTEN AUTHORIZATION FROM ANY ADJACENT PROPERTY OWNER GIVING HIM PERMISSION TO ENTER HIS PROPERTY FOR PURPOSE OF

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CONSTRUCTING THE IMPROVEMENTS DELINEATED ON THESE PLANS AND TRANSITIONS THERETO. THE DEVELOPER SHALL PROVIDE THE CITY WITH A COPY OF OWNERS PERMISSION PRIOR TO START OF WORK.

23. AN ENCROACHMENT PERMIT IS REQUIRED FOR ANY WORK TO BE PERFORMED IN THE COUNTY OF FRESNO ROAD RIGHT-OF-WAY. CONTACT THE COUNTY PERMIT ENGINEER AT (559) 262-4107 TO OBTAIN PERMIT. IF AN ENCROACHMENT PERMIT HAS NOT BEEN OBTAINED WITHIN 12 MONTHS OF THE APPROVAL DATE OF THESE PLANS, ADDITIONAL REVIEW AND REVISIONS TO THE PLANS MAY BE REQUIRED BEFORE PERMIT IS ISSUED.
24. DEVELOPER TO FURNISH AND INSTALL LOCAL STREET NAME SIGNS AT EACH INTERSECTION WITHIN SUBDIVISION PER CITY OF FRESNO STANDARD DRAWING P-92.

ELECTRICAL NOTES:

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH THE APPLICABLE PROVISIONS OF SECTION 86 OF THE STATE OF CALIFORNIA STANDARD SPECIFICATIONS DATED 2015, AND SECTIONS ES-1 THRU ES-16D OF THE STATE OF CALIFORNIA STANDARD PLANS.
2. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION OF ALL UNDERGROUND FACILITIES AND PROVIDE PROTECTION PRIOR TO AND DURING TRENCHING.
3. POTENTIAL OVERHEAD CONFLICT WITH HIGH VOLTAGE LINES MAY EXIST. MAINTAIN PROPER CLEARANCE. CONTACT P.G. &E. TO VERIFY WIRE LOCATION.
4. POLES SHALL BE LOCATED IN THE FIELD BY THE CITY OF FRESNO. NOTIFY TRAFFIC ENGINEERING TWO WORKING DAYS IN ADVANCE AT 621-1312.
5. PULL BOXES SHALL BE NO. 5(E), UNLESS OTHERWISE NOTED ON THE PLANS. PULL BOXES SHALL NOT BE INSTALLED IN CURB RAMPS. VANDAL RESISTANT LOCKING LIDS SHALL BE PROVIDED AND INSTALLED BY THE CONTRACTOR AT FINAL INSPECTION OF THE TRAFFIC SIGNAL. CONTRACTOR SHALL PROVIDE TEMPORARY LIDS DURING CONSTRUCTION. LOCKING LIDS SHALL BE GALVANIZED STEEL DIAMOND PLATE, MINIMUM THICKNESS 3/16", WITH MINIMUM TWO (2) CLAMPING JAWS AND BE KEYED TO THE CITY OF FRESNO KEY. ALL PULL BOXES SHALL BE AT A MAXIMUM OF 200' APART.
6. ALL PULL BOXES INSTALLED IN NON-CONCRETE AREAS SHALL BE SURROUNDED BY A ONE (1) FOOT WIDE CONCRETE COLLAR, TO A DEPTH EQUAL TO THE PULL BOX AND EXTENSION, PER CITY OF FRESNO SPECIFICATIONS, AND SHALL HAVE A VANDAL RESISTANT (SEE NOTE ABOVE) LOCKING LID INSTALLED. ALL CONDUIT ENTRIES INTO ADVANCE

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DETECTION, INTERMEDIATE DETECTION, AND STREET LIGHTING PULL BOXES INSTALLED IN NON-CONCRETE AREAS SHALL ENTER THE PULL BOX FROM THE BOTTOM, USING 90 DEGREE ELBOWS AND EXTENDING 3 TO 5 INCHES ABOVE THE FINISHED GROUT.

7. ALL CONDUITS SHALL HAVE BUSHINGS INSTALLED PRIOR TO INSTALLING CONDUCTORS. STEEL CONDUITS SHALL HAVE LAY IN STYLE LUGS THAT ARE CAST INTEGRAL WITH THE BUSHING.
8. CONDUIT BENDS OF 90 DEGREES ARE PROHIBITED UNLESS OTHERWISE NOTED OR WRITTEN PERMISSION IS GIVEN BY THE CITY OF FRESNO ENGINEER.