PS·08·2593-1

IMPROVEMENT PLANS
FOR
ORANGE STREET WATER LINE EXTENSION
WOODBRIDGE, CA

GENERAL NOTES

1. ALL MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE LATEST EDITIONS OF THE SPECIFICATIONS, STANDARDS AND ORDINANCES OF SAN JOAQUIN COUNTY AND SHALL BE PART OF THESE IMPROVEMENT PLANS.

2. PRIOR TO PERFORMING ANY WORK WITHIN THE ROAD RIGHT-OF-WAY, THE CONTRACTOR SHALL OBTAIN AN ENCROACHMENT PERMIT FROM THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS.

3. WHERE THE PLANS OR SPECIFICATIONS DESCRIBE PORTIONS OF THE WORK IN GENERAL TERMS BUT NOT IN COMPLETE DETAIL, IT IS UNDERSTOOD THAT ONLY THE BEST GENERAL PRACTICE IS TO PREVAIL AND THAT MATERIALS AND WORKMANSHIP OF THE FIRST QUALITY ARE TO BE USED. NOTED DIMENSIONS TAKE PRECEDENT OVER SCALE. ANY DISCREPANCY SHALL IMMEDIATELY BE BROUGHT TO THE ATTENTION OF DILLON & MURPHY, 847 N. CLUFF AVENUE, SUITE A-2, LODI, CA, (209) 334-6613.

4. CONTRACTORS SHALL BE RESPONSIBLE TO VISIT THE SITE AND VERIFY ALL EXISTING CONDITIONS PRIOR TO SUBMITTING A BID.

5. THE EXISTING UNDERGROUND UTILITIES ARE PLOTTED FROM AVAILABLE RECORDS. CONTRACTOR SHALL TAKE PRECAUTIONARY MEASURES TO PROTECT THESE UTILITIES. THE CONTRACTOR SHALL DO NO EXCAVATION UNTIL ALL UTILITY AGENCIES HAVE BEEN NOTIFIED AND HAVE BEEN GIVEN THE OPPORTUNITY TO MARK THEIR FACILITIES IN THE FIELD. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THE LOCATION OF ALL EXISTING UTILITIES. PRIOR TO OPENING AN EXCAVATION, THE CONTRACTOR SHALL DETERMINE WHETHER UNDERGROUND INSTALLATIONS, I.E., SEWER, WATER, STORM DRAINAGE, ELECTRICAL LINES, GAS LINES, CABLE TV LINES, ETC. WILL BE ENCOUNTERED AND, THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION. THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR HAND DIGGING AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION.

6. SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS SHALL BE NOTIFIED BY THE CONTRACTOR AT LEAST 48 HOURS IN ADVANCE OF ANY CONSTRUCTION.

7. DILLON & MURPHY SHALL PROVIDE ALL CONSTRUCTION STAKING. FIELD CHANGES MADE BY OTHERS SHALL BE DONE AT THEIR OWN RISK.

8. EACH CONTRACTOR IS RESPONSIBLE FOR ANY COORDINATION OF THE REMOVAL OR RELOCATION OF ANY AND ALL EXISTING UTILITIES WITH THE RESPECTIVE UTILITY COMPANY. COST OF THIS COORDINATION IS TO BE INCLUDED IN THE PRICES BID FOR THE VARIOUS IMPROVEMENTS TO COMPLETE THE PROJECT.

9. BENCHMARK – SAN JOAQUIN COUNTY BENCHMARK 19B AT THE NORTHWEST CORNER OF THE MASONIC BUILDING ON AUGUSTA STREET. ELEVATION = 46.06

10. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PRESERVATION OF ALL SURVEY AND CONSTRUCTION STAKES. SURVEY AND CONSTRUCTION STAKES THAT ARE LOST OR DESTROYED DUE TO THE CONTRACTOR'S NEGLIGENCE WILL BE RESET BY DILLON & MURPHY AT THE CONTRACTOR'S EXPENSE.

11. CONTRACTOR SHALL BE RESPONSIBLE FOR PROTECTING EXISTING IMPROVEMENTS FROM DAMAGE. EACH CONTRACTOR SHALL NOTIFY U.S.A. 48 HOURS PRIOR TO ANY EXCAVATION.

12. CONTRACTOR AND SUBCONTRACTOR SHALL COOPERATE WITH THEMSELVES AND UTILITY COMPANIES INSTALLING NEW STRUCTURES, UTILITIES AND SERVICES TO THE DEVELOPMENT.

13. ALL UNDERGROUND SERVICES SHALL BE INSTALLED IN CONFORMANCE WITH THE REQUIREMENTS OF THE SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS.

14. THE CONTRACTOR SHALL NOTIFY UNDERGROUND SERVICE ALERT (USA) AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION BY CALLING 1-800-227-2600.

15. THE DOMESTIC WATER LINE SHALL BE CONSTRUCTED IN ACCORDANCE WITH THESE PLANS, AND SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS ADOPTED IMPROVEMENT STANDARDS, AND 2007 CA. BUILDING CODE. PIPE MATERIAL SHALL BE THAT ALLOWED BY THE 2007 CA. PLUMBING CODE AND SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS IMPROVEMENT STANDARDS. IT IS THE CONTRACTOR'S RESPONSIBILITY TO VERIFY THAT THE TYPE AND SPECIFICATIONS OF ALL MATERIAL, FITTINGS, ETC. CONFORM TO SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS STANDARDS AND SPECIFICATIONS.

    CONTRACTOR SHALL BE RESPONSIBLE FOR PRESSURE AND BACTERIA TESTING OF WATER LINES AS REQUIRED BY SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS. BACTERIA TESTS SHALL BE TAKEN BY A CERTIFIED LABORATORY TECHNICIAN.

    REFER TO SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS FOR ALL WATER LINE TESTING REQUIREMENTS.

16. THE OFFICE OF DILLON & MURPHY, 847 N. CLUFF AVENUE, SUITE A-2, LODI, CA, SHALL BE NOTIFIED 48 HOURS (MINIMUM) IN ADVANCE OF ANY REQUIRED CONSTRUCTION SURVEYING.

17. CONTRACTORS AND SUB-CONTRACTORS BIDDING ON THIS PROPOSED PROJECT SHALL CAREFULLY EXAMINE THESE PLANS AND CAREFULLY REVIEW THE CONSTRUCTION SITE TO DETERMINE SPECIFICALLY WHAT IS REQUIRED TO BE ACCOMPLISHED IN HIS PORTION OF THE TOTAL WORK. IF ANY DOUBT EXISTS AS TO THE INTENT OF THE PLANS, SPECIFIC DETAILS, CONSTRUCTION NOTES, OR IF THE CONTRACTOR AND SUB-CONTRACTOR REQUIRES ADDITIONAL INFORMATION, IT MUST BE CLARIFIED WITH DILLON & MURPHY.

18. CONTRACTOR AND ANY SUB-CONTRACTOR USING PLANS WHICH ARE UNAPPROVED BY SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS SHALL DO SO AT THEIR OWN RISKS. DILLON & MURPHY WILL NOT BE HELD RESPONSIBLE FOR USAGE OF SUCH PLANS FOR THE CONSTRUCTION OF THIS PROJECT.

19. DILLON & MURPHY SHALL NOT BE RESPONSIBLE FOR ANY SURVEYING OR FIELD CHANGES MADE BY ANY OTHER SURVEYING OR ENGINEERING FIRMS. ANY ERRORS OR OMISSIONS DETECTED SHALL BE MITIGATED BY DILLON & MURPHY.

20. SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS WILL PERFORM FIELD INSPECTIONS FOR THIS PROJECT: ANY IMPROVEMENTS CONSTRUCTED PURSUANT TO THESE PLANS AND SPECIFICATIONS AND WHICH IT IS INTENDED THAT SAN JOAQUIN COUNTY WILL ASSUME MAINTENANCE RESPONSIBILITY, MUST BE INSPECTED DURING CONSTRUCTION BY AN AUTHORIZED AGENT OF SAN JOAQUIN COUNTY.

21. CHANGES ON PLANS AND SPECIFICATIONS: ANY CHANGES TO THE APPROVED IMPROVEMENT PLANS AND SPECIFICATIONS MUST BE PREPARED AND APPROVED BY DILLON & MURPHY AND SHALL BE SUBMITTED TO SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS FOR APPROVAL PRIOR TO IMPLEMENTATION.

22. ALL TRAFFIC SIGNS AND MARKINGS SHALL CONFORM TO THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD), THE CALIFORNIA SUPPLEMENT TO THE MUTCD, AND TO SAN JOAQUIN COUNTY STANDARDS AND AS SHOWN ON THE PLANS.

23. CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOB SITE CONDITONS DURING THE COURSE OF CONSTRUCTION OF THIS PROJECT, INCLUDING SAFETY OF ALL PERSONS AND PROPERTY; THAT THIS REQUIREMENT SHALL APPLY CONTINUOUSLY AND NOT BE LIMITED TO NORMAL WORKING HOURS; AND THAT THE CONTRACTOR SHALL DEFEND, INDEMNIFY AND HOLD HARMLESS, THE COUNTY OF SAN JOAQUIN, ITS ELECTED OFFICIALS, OFFICERS, EMPLOYEES AND DILLON & MURPHY FROM ANY AND ALL CLAIMS, COSTS AND/OR LITIGATION, DAMAGES, AND ATTORNEY'S FEES, FOR PERSONAL INJURY OR PROPERTY DAMAGE OF WHATEVER NATURE WHICH ARE CLAIMED TO HAVE OCCURRED DURING THE TERM OF THIS PROJECT.

24. CONTRACTOR SHALL PROVIDE DUST CONTROL MEASURES AT ALL TIMES DURING CONSTRUCTION AS PER SECTION 10, "DUST CONTROL," OF THE STANDARD SPECIFICATIONS OF THE STATE OF CALIFORNIA AND PER SAN JOAQUIN COUNTY DEPARTMENT OF PUBLIC WORKS REQUIEMENTS.

25. CONTRACTOR SHALL SUBMIT TO DILLON & MURPHY FOR APPROVAL EQUIPMENT AND MATERIAL SPECIFICATION OF ITEMS HE WISHES TO SUBSTITUTE FROM THAT WHICH IS SPECIFIED ON THE IMPROVEMENT PLANS AND PROJECT SPECIFICATIONS, AND IN THE SAN JOAQUIN COUNTY STANDARD PLANS AND SPECIFICATIONS. SAN JOAQUIN COUNTY SHALL HAVE THE FINAL SAY.

26. ALL LINEAR FOOTAGES, AREAS OR VOLUMETRIC AMOUNTS OF PIPING MATERIAL, CONCRETE, ASPHALT CONCRETE, EXCAVATION AND IMPORT FILL MATERIAL SHOWN ON THESE IMPROVEMENT PLANS ARE APPROXIMATE. ACTUAL AS-BUILT FIELD MEASUREMENTS SHALL PREVAIL.

27. A TRAFFIC CONTROL PLAN (TCP) SHALL BE SUBMITTED TO, AND DEEMED ACCEPTABLE BY COUNTY PRIOR TO START OF WORK. THIS SHALL ADDRESS ALL PHASES OF WORK, WHICH WILL IMPACT PUBLIC TRAFFIC. CONFORMANCE WITH THE TCP SHALL BE MAINTAINED AT ALL TIMES. THE TCP SHALL BE DRAWN TO SCALE.

28. WHENEVER PAVEMENT IS BROKEN OR CUT IN THE INSTALLATION OF THE WORK COVERED BY THE SPECIFICATIONS, THE PAVEMENT SHALL BE REPLACED, AFTER PROPER BACKFILLING, WITH PAVEMENT MATERIALS EQUAL TO OR BETTER THAN THE MATERIALS USED IN THE ORIGINAL PAVING.

29. CONSTRUCTION OPERATIONS SHALL COMPLY WITH PRACTICES AND PROCEDURES CONTAINED IN THE SAN JOAQUIN COUNTY "SMALL SITE STORMWATER MANAGEMENT PLAN."

BEFORE YOU DIG

CALL USA UNDERGROUND SERVICE ALERT 48 HOURS PRIOR TO CONSTRUCTION. CALL TOLL FREE 1-800-227-2600

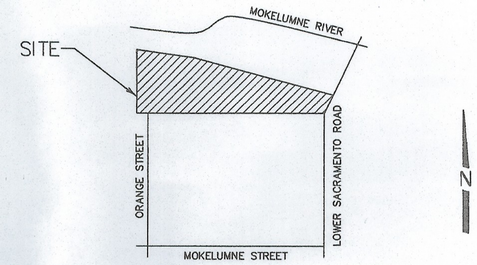
KEEP ALL VEHICLES, EQUIPMENT, TOOLS AND PEOPLE 10 FEET FROM POWER LINES, IF YOU MUST WORK WITHIN 10 FEET OF POWER LINES PLEASE CALL CITY OF LODI ELECTRICAL UTILITY DEPARTMENT.

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

ENCROACHMENT PERMIT NO.: PS-08-2593 DATE ISSUED: 10·9·08 BY: [signature]

INDEX OF SHEETS

SHEET NO.	TITLE OF DRAWING
1	KEY SHEET
2	TOPOGRAPHIC SURVEY
3	PLAN AND PROFILE
4	DETAILS



VICINITY MAP
NOT TO SCALE

REGISTERED PROFESSIONAL ENGINEER BRIAN L. GORDT No. 61914 Exp. 12-31-2009 CIVIL STATE OF CALIFORNIA

DILLON & MURPHY
CONSULTING CIVIL ENGINEERS
ENGINEERING • PLANNING • SURVEYING
847 N. CLUFF AVENUE, SUITE A-2, LODI, CALIFORNIA, 95240 (209) 334-6613

ORANGE STREET WATER LINE EXTENTION IMPROVEMENT PLANS

KEY SHEET

JULY, 2008
STOCKTON, CALIFORNIA

REV. NO.	DESCRIPTION	DATE	SCALE: AS NOTED	BENCH MARK: ____ EL: ____	SHEET
			DRAWN BY: MT	DESCRIPTION:	1
			DESIGNED BY: CD		OF 4 SHEETS
			CHECKED BY: CD		JOB NO. 0837
			AS BUILT BY:		

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