

WOODBIDGE SANITARY DISTRICT

WOODBIDGE, CALIFORNIA

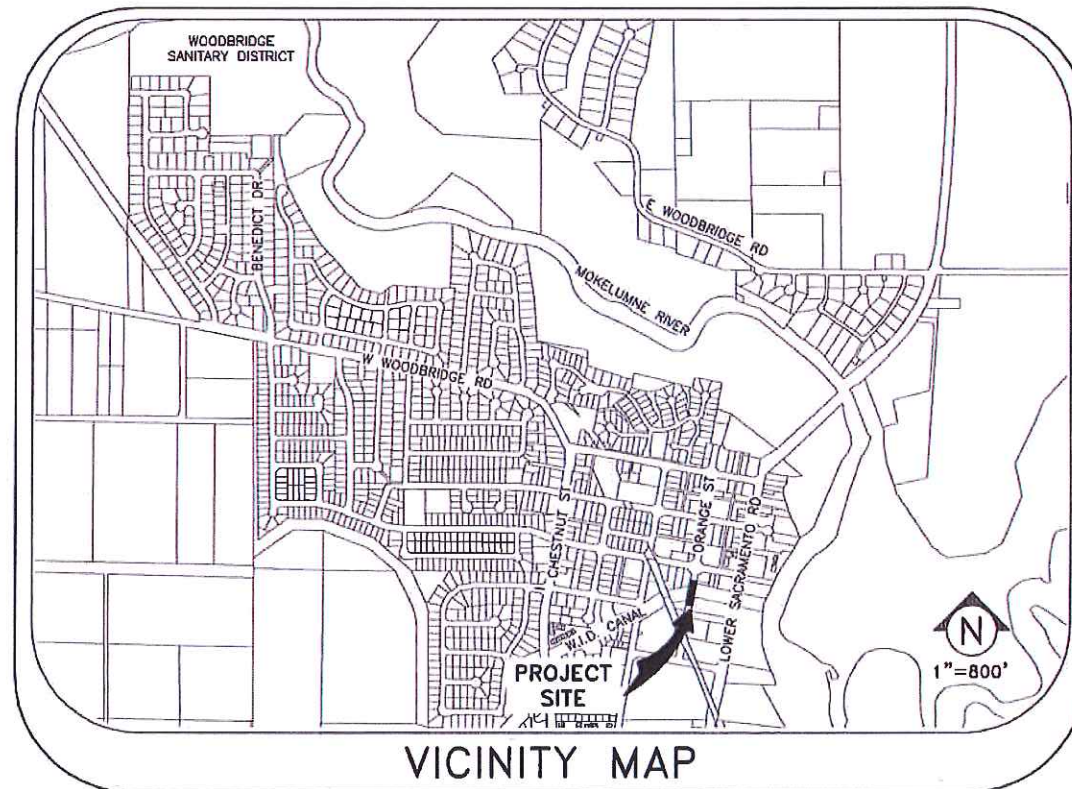
2015 ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

ABBREVIATIONS

&	AND
AT	AT
%	PERCENT
AB	AGGREGATE BASE
AC	ASPHALTIC CONCRETE
AP	ANGLE POINT
AVE	AVENUE
BC	BEGINNING OF CURVE
BM	BENCH MARK
BO	BOTTOM OF/BACK OF
BOC	BACK OF CURB
BOW/BW	BACK OF WALK
C	CIVIL
CB	CATCH BASIN
CIP	CAST IRON PIPE
CL	CENTERLINE
CLR	CLEAR
CMP	CORRUGATED METAL PIPE
CMU	CONCRETE MASONRY UNIT
COM	COMMUNICATION
CONC	CONCRETE
CONT	CONTINUOUS
COORD	COORDINATES
COS	CITY OF STOCKTON
CR	CURB RETURN
CTR	CENTER
CY	CUBIC YARD
DD	DOWNDRAIN
DI	DROP INLET
DIA/φ	DIAMETER
DIM	DIMENSION
DW	DOMESTIC WATER/DRIVEWAY
DWG	DRAWING
E	EASTING/ELECTRIC/ELECTRICAL
EA	EACH
EB	ELECTRICAL BOX
EC	END OF CURVE
EJ	EXPANSION JOINT
EL/ELEV	ELEVATION
ELECT	ELECTRICAL
EP	EDGE OF PAVEMENT
EQ	EQUAL
EW	EACH WAY
EXIST/(E)	EXISTING
FDC	FIRE DEPARTMENT CONNECTION
FDN	FOUNDATION
FF	FINISHED FLOOR
FG	FINISH GRADE
FI	FIRE HYDRANT
FIN	FINISH
FL	FLOW LINE
FLR	FLOOR
FOC/FC	FACE OF CURB
FS	FIRE SERVICE
FT/'	FEET
GA	GAUGE
GB	GRADE BREAK
G	GAS
GALV	GALVANIZED
GPM	GALLONS PER MINUTE
GR	GRATE
HORIZ	HORIZONTAL
HP	HIGH POINT
ID	INSIDE DIAMETER (DIM)
IN/'	INCH
INV	INVERT
IP	IRON PIPE
IRRI	IRRIGATION
JP	JOINT POLE
KV	KILOVOLT
L	ARC LENGTH, LEFT
LF	LINEAL FEET
LIN	LINEAR
LP	LOW POINT
LT	LEFT

ABBREVIATIONS (CONT.)

MAX	MAXIMUM
MH	MAINTENANCE HOLE
MIN	MINIMUM
MOD	MODIFIED
MON	MONUMENT
N	NORTHING
NAD	NORTH AMERICAN DATUM
NAV	NORTH AMERICAN VERTICAL DATUM
NGVD29	NATIONAL GEODETIC VERTICAL DATUM
NIC	NOT IN CONTRACT
NO/#	NUMBER
NOM	NOMINAL
NTS	NOT TO SCALE
OBS	OBSERVED
OC	ON CENTER
OD	OUTSIDE DIAMETER
OG	ORIGINAL GROUND
PB	PULL BOX
PC	PRIMARY CONTROL
PCC	PORTLAND CEMENT CONCRETE/
	POINT OF COMPOUND CURVE
PIV	POST INDICATOR VALVE
PL	PROPERTY LINE OR PLATE
POC	POINT OF CONNECTION
PP	POWER POLE
PRC	POINT OF REVERSE CURVATURE
PSI	POUNDS PER SQUARE INCH
PT	POINT OF TANGENT/POINT
PUE	PUBLIC UTILITIES EASEMENT
PV	PAVEMENT
PVC	POLYVINYLCHLORIDE
PVCP	POLYVINYLCHLORIDE PIPE
R	RADIUS/RIGHT
RCP	REINFORCED CONCRETE PIPE
REINF	REINFORCED
REQ'D	REQUIRED
RP	DOUBLE CHECK VALVE
RT	RIGHT
R/W	RIGHT OF WAY
S	SLOPE
SD	STORM DRAIN
SIM	SIMILAR
SPEC	SPECIFICATION
SQ	SQUARE
SQFT	SQUARE FEET
SQYD	SQUARE YARD
SS	SANITARY SEWER
ST	STREET
STA	STATION
STD	STANDARD
SYM	SYMMETRICAL
T	TANGENT
TBM	TEMPORARY BENCH MARK
TBR	TO BE REMOVED
TC	TOP OF CURB
TEL	TELEPHONE
TEC	TOP FACE OF CURB
TO	TOP OF
TOG	TOP OF GRATE
TOW	TOP OF WALK
TP	TELEPHONE POLE
TPB	TELEPHONE PULL BOX
T-UG	TELEPHONE UNDERGROUND
TYP	TYPICAL
U	UTILITY
V	VERTICAL
W	WATER/WITH
WTR	WATER
X	BY
YD	YARDS



VICINITY MAP

38.152457, -121.302685

CONVENTIONS

△	BENCH MARK—VERTICAL & HORIZONTAL
◆	BENCH MARK—VERTICAL, ONLY
△	TEMPORARY CONTROL POINT OR T.B.M.
5 C1.01	DETAIL INDICATOR DETAIL IDENTIFICATION NUMBER DRAWING WHERE DETAIL IS SHOWN
5	NOTE INDICATOR NOTE NUMBER AS INDICATED
△	REVISION REVISION NUMBER
5	NOTE INDICATOR NOTE NUMBER AS INDICATED

SHEET INDEX

SHT NO	DESCRIPTION
1	TITLE SHEET
2	NOTES
3	DEMOLITION PLAN
4	CIVIL
5	CIVIL DETAILS
6	LEAK DETECTION PORT DETAILS
7	STRUCTURAL NOTES
8	STRUCTURAL DETAILS
9	DIVERSION/DETAILS
10	TRAFFIC CONTROL

COUNTY OF SAN JOAQUIN
DEPARTMENT OF PUBLIC WORKS

APPROVED AS "ENCROACHMENT PERMIT PLAN SET"
APPROVED FOR WORK WITHIN COUNTY RIGHT-OF-WAY ONLY

APPROVED: *Alex Chetler* DATE: *11/18/15*
RCE NO. *C55407* EXP. DATE: *11/18/16*

ENCROACHMENT PERMIT NO: *B5-1500726* DATE ISSUED: *11/18/15* BY: *S. Cooper*



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WOODBIDGE SANITARY DISTRICT
WOODBIDGE, CALIFORNIA
ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

TITLE SHEET

Design DCC	Scale N.T.S.	Date NOVEMBER 2015
Drawn JDK	Original Drawing Scale 0 1/2" 1"	Sheet Number 1 Of 10
Check NTC	No. Description Date By	Project File No. 0072-0740-14

FILE SPEC: P:\0072-Woodbridge\0740_Maintenance_Projects\14-001_Orange_St_Bridge_SewerLine_Replacement\05_Civil\300_Design\Conformed Drawings\Sh-02-Notcs.dwg
PLOT DATE: Nov 15, 2015 - 2:37pm

GENERAL NOTES (CIVIL):

- ALL NEW IMPROVEMENTS SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PLANS AND SPECIFICATIONS, THE 2006 CALIFORNIA MUTCD, THE LATEST EDITION OF SAN JOAQUIN COUNTY STANDARD SPECIFICATIONS AND PLANS, AND THE 2006 STATE OF CALIFORNIA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS AND PLANS.
- PRIOR TO ANY WORK BEING PERFORMED, THE CONTRACTOR SHALL CONTACT THE APPROPRIATE REGULATORY AGENCIES FOR A PRE-CONSTRUCTION CONFERENCE. CONTRACTOR SHALL ALSO NOTIFY THE BELOW LISTED PROJECT CONTACTS (72) HOURS IN ADVANCE OF SAID MEETING:

SAN JOAQUIN COUNTY PUBLIC WORKS DEPARTMENT
1810 E. HAZELTON AVE.
STOCKTON, CA 95201
(209) 468-3023
(209) 468-2999 (FAX)
ALEX CHETLEY

WOODBIDGE IRRIGATION DISTRICT
18777 N LOWER SACRAMENTO RD
ACAMPO, CA 95220
(209)639-6808
- THE INTENT IS THAT THESE PLANS REQUIRE ALL LABOR AND MATERIALS (EXCEPT AS SPECIFIED IN THE SPECIFICATIONS) NECESSARY AND PROPER FOR THE WORK CONTEMPLATED AND THAT THE WORK BE COMPLETED IN ACCORDANCE WITH THEIR TRUE INTENT AND PURPOSE. THE CONTRACTOR SHALL NOTIFY THE DISTRICT ENGINEER IMMEDIATELY REGARDING ANY DISCREPANCIES AND AMBIGUITIES WHICH MAY EXIST IN THE PLANS OR SPECIFICATIONS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR VERIFYING THE PHYSICAL LOCATION OF ALL EXISTING UNDERGROUND UTILITIES BY POT-HOLING PRIOR TO CONSTRUCTION AND SHALL CONTACT THE RESPECTIVE UTILITY COMPANIES PRIOR TO COMMENCEMENT OF WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOCATION AND PRESERVATION OF ALL SUCH FACILITIES IN THE AREA OF CONSTRUCTION, AND SHALL NOTIFY UTILITY COMPANIES FORTY-EIGHT HOURS IN ADVANCE OF ANY CONSTRUCTION (UNDERGROUND SERVICE ALERT 1-800-227-2800).
UTILITY COMPANY(S) SHALL BE RESPONSIBLE TO ADJUST TO PROPOSED PAVEMENT OR CONCRETE GRADE ALL SURFACE FACILITIES, UNLESS OTHERWISE NOTED IN THESE PLANS.
- THE CONTRACTOR'S ATTENTION IS DIRECTED TO SECTION 1540 (A)(1) OF THE CONSTRUCTION SAFETY ORDERS (TITLE 8 CALIFORNIA ADMINISTRATION CODE SECTION 1540), ISSUED BY THE OCCUPATIONAL SAFETY AND HEALTH STANDARDS BOARD PURSUANT TO THE CALIFORNIA OCCUPATIONAL SAFETY AND HEALTH ACT OF 1973, AS AMENDED, WHICH STATES:
PRIOR TO OPENING AN EXCAVATION, EFFORT SHALL BE MADE TO DETERMINE WHETHER UNDERGROUND INSTALLATION: I.E., SEWER, WATER, FUEL, ELECTRIC LINES, ETC., WILL BE ENCOUNTERED AND, IF SO, WHERE SUCH UNDERGROUND INSTALLATIONS ARE LOCATED. WHEN THE EXCAVATION APPROACHES THE APPROXIMATE LOCATION OF SUCH AN INSTALLATION, THE EXACT LOCATION SHALL BE DETERMINED BY CAREFUL PROBING OR AND DIGGING; AND WHEN IT IS UNCOVERED, ADEQUATE PROTECTION SHALL BE PROVIDED FOR THE EXISTING INSTALLATION. ALL KNOWN OWNERS OF UNDERGROUND FACILITIES IN THE AREA CONCERNED SHALL BE ADVISED OF PROPOSED WORK AT LEAST 48 HOURS PRIOR TO THE START OF ACTUAL EXCAVATION.
- THE CONTRACTOR SHALL PROVIDE SHORING, BRACING, SLOPING OR PROVISIONS TO PROTECT WORKERS FOR ALL AREAS TO BE EXCAVATED TO A DEPTH OF FIVE FEET OR MORE. SAID PROTECTION TO BE DONE IN ACCORDANCE WITH THE REQUIREMENTS OF LOCAL, STATE, AND FEDERAL REGULATIONS (CAL-OSHA, OSHA).
- ASBESTOS CEMENT MATERIALS SHALL NOT BE USED IN THE CONSTRUCTION OF ANY FACILITIES WITHIN THIS PROJECT.
- DURING CONSTRUCTION THE CONTRACTOR SHALL MAINTAIN THE INTEGRITY OF EXISTING FACILITIES.
- PERMITTEE IS RESPONSIBLE FOR REFERENCING EXISTING MONUMENTS AND/OR PROPERTY CORNER PRIOR TO COMMENCEMENT OF WORK.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL PERMITS AND LICENSES REQUIRED FOR THE CONSTRUCTION AND COMPLETION OF PROJECT.
- ALL WORK IN THE PUBLIC RIGHT-OF-WAY IS SUBJECT TO THE APPROVAL AND ACCEPTANCE OF SAN JOAQUIN COUNTY PUBLIC WORKS DEPARTMENT.
- CONTRACTOR SHALL COORDINATE THE REMOVAL AND/OR RELOCATION OF ALL EXISTING UTILITIES IF NEEDED WITH RESPECTIVE UTILITY COMPANIES.
PACIFIC GAS & ELECTRIC (209) 942-1418 JULIE DELCORSO (SERVICE)
PACIFIC GAS & ELECTRIC (209) 932-6555 ROGER MORSHEAD (CONFLICTS)
AT&T (209) 474-4110 JAMES JELLEY
ACSquare (COMCAST) (209) 451-0629 ROBERTO GONZALEZ
MCI (916) 373-7978 LEWIS THOMPSON

- THE CONTRACTOR SHALL ADJUST TO GRADE ALL FACILITIES (INCLUDING, BUT NOT LIMITED TO VALVE BOXES, PULL BOXES, MAINTENANCE HOLE RIM AND COVERS, METER BOXES) WITHIN THE LIMITS OF WORK AND/OR AS DIRECTED BY ENGINEER. THE FACILITIES SHALL BE ADJUSTED AS SET FORTH IN SJCO STANDARD DRAWING NO. CW-R36 AND/OR AS DIRECTED BY ENGINEER.
- THE CONTRACTOR SHALL PROVIDE ALL LIGHTS, BARRICADES, SIGNS, FLAGMEN OR OTHER DEVICES NECESSARY FOR PUBLIC SAFETY.
- ALL STATIONS REFER TO DISTANCES ALONG STREET CENTERLINE, PERPENDICULAR TO OR RADIALLY OPPOSITE CENTERLINE STATIONS, UNLESS OTHERWISE NOTED.
- CONTRACTOR SHALL DEMOLISH, EXCAVATE, REMOVE AND DISPOSE OF ANY EXISTING CONCRETE OR ASPHALT CONCRETE PAVING, CONCRETE CURB, GUTTER AND SIDEWALK AND DELETERIOUS MATERIAL AS REQUIRED TO CONSTRUCT THE CONTRACT WORK, ALL EXCESS MATERIAL GENERATED BY DEMOLITION, EXCAVATION AND GRADING SHALL BE DISPOSED OF BY THE CONTRACTOR.
- CONTRACTOR AGREES THAT HE SHALL ASSUME SOLE AND COMPLETE RESPONSIBILITY FOR JOBSITE CONDITIONS DURING THE COURSES 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 THE DISTRICT, COUNTY AND THE ENGINEER HARMLESS FROM ANY AND ALL LIABILITY, REAL OR ALLEGED, IN CONNECTION WITH THE PERFORMANCE OF WORK ON THIS PROJECT, EXCEPTING FOR LIABILITY ARISING FROM THE SOLE NEGLIGENCE OF THE DISTRICT OR THE ENGINEER.

CONSTRUCTION NOTES:

- THE CONTRACTOR SHALL LAYOUT IMPROVEMENTS FROM THE DIMENSIONS SHOWN ON THE PLANS. ANY CLARIFICATION ON CONFLICTS, DISCREPANCIES OR AMBIGUITIES SHOULD BE DIRECTED TO THE ENGINEER PRIOR TO THE CONSTRUCTION OF THE IMPROVEMENTS.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR MATCHING EXISTING SURROUNDING LANDSCAPE AND OTHER IMPROVEMENTS WITH A TRANSITION IN PAVING, CURBS, GUTTERS, SIDEWALKS, GRADES, ETC., AND TO AVOID ANY ABRUPT OR APPARENT CHANGES IN CROSS SLOPES, LOW SPOTS OR HAZARDOUS CONDITIONS.
- WHERE PAVEMENT IS TO BE EXTENDED OR REMOVED, EXISTING PAVEMENT SHALL BE SAW-CUT OR GRIND TO A NEAT LINE PRIOR TO PLACING NEW ASPHALT CONCRETE.
- ALL NEW CONCRETE FLATWORK SHALL BE DRILLED AND DOWELED AND/OR KEYED INTO EXISTING FLATWORK IN ACCORDANCE WITH COUNTY STANDARD PLANS AND SPECIFICATIONS.
- THE CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY SIGNS FOR ALL REGULATORY TRAFFIC SIGNS REMOVED DURING THE CONSTRUCTION.
- IT IS PROHIBITED TO DISCHARGE ANYTHING EXCEPT CLEAN WATER INTO THE STORM DRAIN SYSTEM.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATELY SCHEDULING INSPECTION AND TESTING OF ALL FACILITIES CONSTRUCTED UNDER THIS CONTRACT. ALL TESTING SHALL CONFORM TO THE REGULATORY AGENCY'S STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL MAINTAIN A NEATLY MARKED SET OF FULL-SIZED AS-BUILT RECORD DRAWINGS SHOWING THE FINAL LOCATION AND LAYOUT OF ALL STRUCTURES AND OTHER FACILITIES. WHERE NECESSARY, SUPPLEMENTAL DRAWINGS SHALL BE PREPARED AND SUBMITTED BY THE CONTRACTOR.
- PRIOR TO ACCEPTANCE OF THE PROJECT, THE CONTRACTOR SHALL DELIVER TO THE ENGINEER, ONE SET OF NEATLY MARKED AS-BUILT RECORD DRAWINGS SHOWING THE INFORMATION REQUIRED ABOVE.
- DUST CONTROL SHALL BE PROVIDED AT ALL TIMES, AT THE CONTRACTOR'S EXPENSE, TO MINIMIZE ANY DUST NUISANCE AND SHALL BE IN ACCORDANCE WITH SECTION 10 OF CALTRANS STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL MAINTAIN CONTINUOUS SEWER SERVICE DURING ALL REPAIR WORK THROUGH THE TEMPORARY USE OF SEWER PLUGS, BYPASS PUMPING, OR VACUUM TRUCKS. SEWER BACKUPS SHALL NOT BE ALLOWED TO RISE TO LESS THAN TWO FEET FROM THE LAND SURFACE FOR A PERIOD LONGER THAN ONE HOUR.
- FINAL PAVEMENT WORK SHALL NOT OCCUR WITHIN THE ROAD RIGHT-OF-WAY PRIOR TO COMPLETION OF UTILITY RELOCATION WITHOUT SPECIFIC APPROVAL OF THE SJCO DIRECTOR OF PUBLIC WORKS.

- ANY CHANGES TO THE APPROVED IMPROVEMENT PLANS AND SPECIFICATIONS MUST BE PREPARED AND CERTIFIED BY THE "CIVIL ENGINEER", AND SHALL BE SUBMITTED TO THE SJCO DIRECTOR OF PUBLIC WORKS FOR APPROVAL PRIOR TO IMPLEMENTATION.
- 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.
- DRAINAGE FACILITIES SHALL BE MAINTAINED DURING PERIODS OF INCLEMENT WEATHER, AND RESTORED TO THEIR ORIGINAL CONDITIONS UPON COMPLETION OF THE WORK.
- CONTRACTOR SHALL PROTECT ALL BENCHMARKS AND SURVEYED MONUMENTS DURING CONSTRUCTION. DAMAGED OR REMOVED MONUMENTS SHALL BE REPLACED, WITH THE SAME ORDER OF ACCURACY, AT THE CONTRACTOR'S EXPENSE.
- ROADWAY TO OPEN EACH AFTERNOON FOLLOWING CONSTRUCTION WORK. TRENCHES OR OPEN EXCAVATIONS SHALL BE COVERED WITH NON-SKID TRENCH PLATES PROPERLY SIZED AT ALL TIMES WHEN IMMEDIATE WORK WITHIN EXCAVATIONS IS NOT TAKING PLACE.

AIR PRESSURE TEST:

- EACH SECTION OF SEWER AND CASING SHALL BE TESTED BETWEEN MANHOLES BY PLUGGING AND BRACING ALL OPENINGS IN THE SEWER MAIN LINE AND THE UPPER ENDS OF ALL HOUSE CONNECTION SEWERS. THE LEAKAGE TEST SHALL BE CONDUCTED IN THE FOLLOWING MANNER:
 - AIR SHALL BE INTRODUCED INTO THE PIPELINE UNTIL 3.0 PSI GAUGE PRESSURE HAS BEEN REACHED, AT WHICH TIME THE FLOW OF AIR SHALL BE REDUCED AND THE INTERNAL AIR PRESSURE SHALL BE MAINTAINED BETWEEN 2.5 AND 3.5 PSI FOR AT LEAST 2 MINUTES. PRESSURE IN THE PIPELINE SHALL BE CONSISTENTLY MONITORED BY A GAUGE AND SHALL NOT BE ALLOWED TO EXCEED 5 PSI.
 - AFTER THE TEMPERATURE HAS STABILIZED AND NO AIR LEAKS AT THE PLUGS HAVE BEEN FOUND, THE AIR PRESSURE SHALL BE PERMITTED TO DROP TO 2.5 PSI, THEN A STOPWATCH OR SWEEP-SECOND-HAND WATCH SHALL BE USED TO DETERMINE THE TIME LAPSE REQUIRED FOR THE AIR PRESSURE DROP TO 1.5 PSI.
 - IF THE TIME LAPSE IS LESS THAN 60 SECONDS, THE NECESSARY REPAIRS MUST BE MADE PRIOR TO ACCEPTANCE BY THE ENGINEER.

SURVEY MONUMENT PRESERVATION:

- THE PERMITTEE IS RESPONSIBLE FOR THE PRESERVATION OF SURVEY MONUMENTS LOCATED WITHIN THE AREA OF WORK HEREIN PERMITTED. PRIOR TO THE START OF CONSTRUCTION, SURVEY MONUMENTS THAT POTENTIALLY MAY BE DISTURBED SHALL BE LOCATED AND REFERENCED BY A LICENSED LAND SURVEYOR, AND A CORNER RECORD FILED WITH THE COUNTY SURVEYOR. ANY SURVEY MONUMENTS DISTURBED DURING THE COURSE OF CONSTRUCTION SHALL BE REESTABLISHED BY A LICENSED LAND SURVEYOR AND ANOTHER CORNER RECORD FILED WITH THE COUNTY SURVEYOR. (LAND SURVEYORS' ACT SECTION 8771)



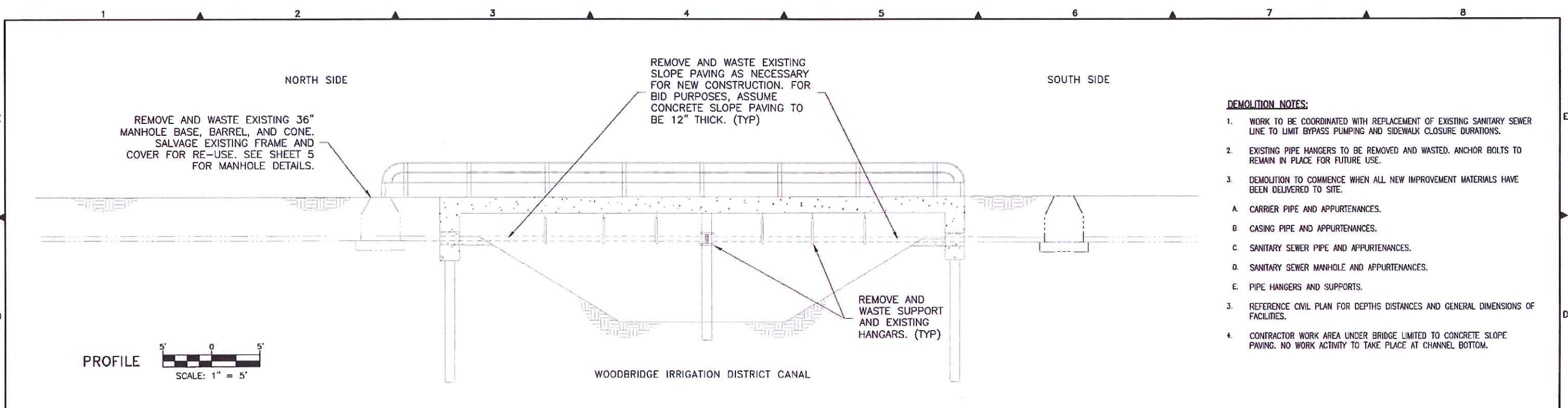
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WOODBIDGE SANITARY DISTRICT
WOODBIDGE, CALIFORNIA
ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

NOTES

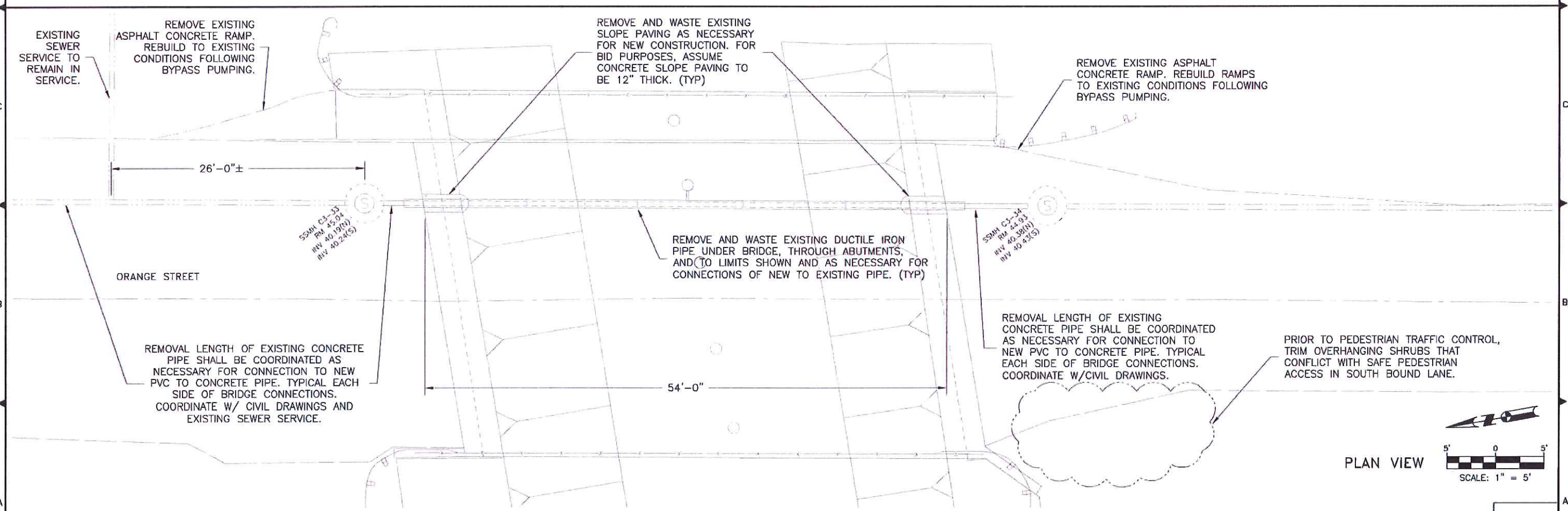
Design DCC	Scale N.T.S.	Date NOVEMBER 2015
Drawn CMK	Original Drawing Scale 0 1/2" 1"	Sheet Number 2 of 10
Check NTC		Project File No. 0072-0740-14
No. Description	Date	By
Revisions		

FILE SPEC: P:\0072-Woodbridge\0740_Maintenance_Proj\14-001_Orange_St_Bridge_SewerLine_Replacement\05_Civil\300_Design\Conformed Drawings\SH-03-Demo.dwg
PLOT DATE: Nov 15, 2015 - 2:33pm



DEMOLITION NOTES:

1. WORK TO BE COORDINATED WITH REPLACEMENT OF EXISTING SANITARY SEWER LINE TO LIMIT BYPASS PUMPING AND SIDEWALK CLOSURE DURATIONS.
2. EXISTING PIPE HANGERS TO BE REMOVED AND WASTED. ANCHOR BOLTS TO REMAIN IN PLACE FOR FUTURE USE.
3. DEMOLITION TO COMMENCE WHEN ALL NEW IMPROVEMENT MATERIALS HAVE BEEN DELIVERED TO SITE.
 - A. CARRIER PIPE AND APPURTENANCES.
 - B. CASING PIPE AND APPURTENANCES.
 - C. SANITARY SEWER PIPE AND APPURTENANCES.
 - D. SANITARY SEWER MANHOLE AND APPURTENANCES.
 - E. PIPE HANGERS AND SUPPORTS.
4. REFERENCE CIVIL PLAN FOR DEPTHS DISTANCES AND GENERAL DIMENSIONS OF FACILITIES.
5. CONTRACTOR WORK AREA UNDER BRIDGE LIMITED TO CONCRETE SLOPE PAVING. NO WORK ACTIVITY TO TAKE PLACE AT CHANNEL BOTTOM.



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ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

DEMOLITION PLAN

No.	Description	Date	By	App'd. By
Revisions				

Scale	1" = 5'
Original Drawing Scale	0 1/2" = 1"
Date	NOVEMBER 2015
Sheet Number	3 Of 10
Project File No.	0072-0740-14

1. GROOVED CAP AND JOINT - STANDARD CUT GROOVE I.P.S. PER AWWA C806. STAINLESS BOLTS, COATED COUPLINGS PER AWWA C-213 WITH EPDM GASKETS.
2. 2 LAYERS OF PIPE WRAP PER AWWA A209 OR AWWA A214 WHERE PASSING THROUGH ABUTMENT AND ABUTMENT REINFORCING WALL.
3. FIELD WELD STAINLESS STEEL PIPE.



1. NEW PAVEMENT SHALL BE 1" THICKER THAN EXISTING PAVEMENT, MINIMUM OF 0.25 FT. NEW BASE SHALL BE 1" THICKER THAN EXISTING BASE, MIN OF 0.50 FT.
2. SELECT NATIVE MATERIAL OR IMPORTED GRANULAR MATERIAL AS APPROVED BY THE DIRECTOR OF PUBLIC WORKS. BACKFILL WITH MATERIALS EQUAL TO OR BETTER THAN THE EXISTING PAVEMENT AND BASE IN QUALITY.
3. RELATIVE COMPACTION OF MATERIALS SHALL BE TESTED IN ACCORDANCE WITH THE STATE OF CALIFORNIA, DEPT. OF TRANSPORTATION TESTING MANUALS, TEST METHOD NO. CALIFORNIA 216 OR 231.
4. ALL EXISTING PAVEMENT SHALL BE NEATLY CUT TO LINE PRIOR TO TRENCH EXCAVATION.
5. JETTING OR PONDING WILL BE PERMITTED WITHIN THE STREET RIGHT-OF-WAY WITH A 3 YEAR BOND, WHEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
6. WHEN SHOWN BY SOIL COMPOSITION AND COMPACTABILITY, NINETY PERCENT (90%) COMPACTION MAY BE USED, WHEN APPROVED BY THE DIRECTOR OF PUBLIC WORKS.
7. SPECIAL BEDDING AND BACKFILL REQUIREMENTS MAY BE SHOWN ON THE PLANS OR SPECIFIED IN THE SPECIAL PROVISIONS.



(B1) STANDARD SAN JOAQUIN COUNTY DRAWING R-29
SCALE: N.T.S.



**K
S
N**
INC.

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CIVIL DETAILS

					Design DCC	Scale	Date NOVEMBER 2015
					Drawn CMK	VARIAS	Sheet Number
						Original Drawing Scale	5 Of 10
No. Description		Date	By	Apprv. By	Check NTC	0 1/2" 1" 	Project File No. 0072-0740-14
Revisions							

FILE SPEC: P:\0072-Woodbridge\0740_Maintenance_Projects\14-001_Orange_St_Bridge_SewerLine_Replacement\05_Civil\300_Design\Conformed Drawings\Shi-06_Leak-Port-Detail.dwg
PLOT DATE: Nov 16, 2015 - 2:46pm



OLDCASTLE B1730 BOX WITH
STEEL CHECKER COVER
NO.B1730 - 51JH OR EQUAL
ADJUST AS NECESSARY TO FIT
OVER LEAK DETECTION PORT.

FERNCO QUIK CAP
QC-10.75

10" STAINLESS STEEL PIPE

LEAK DETECTION PORT

FERNCO ECCENTRIC COUPLING

6" PVC

10" STAINLESS STEEL PIPE

C1 PROFILE VIEW
SCALE: N.T.S.

FERNCO QUIK CAP
QC-10.75

OLDCASTLE B1730 BOX WITH
STEEL CHECKER COVER
NO.B1730 - 51JH OR EQUAL.

FERNCO ECCENTRIC
COUPLING

90"

6" PVC

10" STAINLESS
STEEL PIPE

C2 PROFILE VIEW - CONCENTRIC
SCALE: N.T.S.

FERNCO QUIK CAP
QC-10.75

OLDCASTLE B1730 BOX WITH
STEEL CHECKER COVER
NO.B1730 - 51JH OR EQUAL.

6" PVC PIPE

FERNCO ECCENTRIC COUPLING

10" STAINLESS STEEL PIPE

C3 PLAN VIEW
SCALE: N.T.S.

WOODBIDGE SANITARY DISTRICT
WOODBIDGE, CALIFORNIA
ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

LEAK DETECTION PORT DETAILS

Design DCC		Scale N.T.S.		Date NOVEMBER 2015	
Drawn CMK		Original Drawing Scale 0 1/2" 1"		Sheet Number 6 of 10	
Check NTC		Project File No. 0072-0740-14			
No.	Description	Date	By	App'd. By	Revisions

FILE SPEC: P:\0072-Veody\0740_Maintenance_Proj\14-001_Orange_St_Bridge_SewerLine_Replacement\05_Civil\300_Design\Conformed Drawings\Sh-07_08-Structural_Details.dwg
PLOT DATE: Nov 15, 2015 - 2:47pm

GENERAL:

1. INTERPRETATION OF DRAWINGS & SPECIFICATIONS
 - A. FOR CONVENIENCE, SPECIFICATIONS HAVE BEEN PREPARED FOR THIS PROJECT AND ARE ARRANGED IN SEVERAL SECTIONS, BUT SUCH SEPARATION SHALL NOT BE CONSIDERED AS THE LIMITS OF THE WORK REQUIRED BY ANY SEPARATE TRADE. THE TERMS AND CONDITIONS OF SUCH LIMITATIONS ARE WHOLLY BETWEEN THE CONTRACTOR AND HIS SUBCONTRACTORS.
 - B. IN GENERAL, THE WORKING DETAILS WILL INDICATE DIMENSIONS, POSITIONS AND KIND OF CONSTRUCTION, AND THE SPECIFICATIONS WILL INDICATE QUALITIES AND METHODS. ANY WORK INDICATED ON THE WORKING DETAILS MENTIONED BUT NOT IN THE SPECIFICATIONS, OR VICE VERSA, SHALL BE FURNISHED AS THOUGH FULLY SET FORTH IN BOTH. WORK NOT PARTICULARLY DETAILED, MARKED OR SPECIFIED, SHALL BE THE SAME AS SIMILAR PARTS THAT ARE DETAILED, MARKED OR SPECIFIED. IF CONFLICTS OCCUR BETWEEN DRAWINGS AND SPECIFICATIONS, THE MOST EXPENSIVE MATERIALS OR METHODS WILL PREVAIL.
 - C. SHOULD AN ERROR APPEAR IN THE WORKING DETAILS OR SPECIFICATIONS OR IN WORK DONE BY OTHERS AFFECTING THIS WORK, THE CONTRACTOR SHALL NOTIFY THE ENGINEER AT ONCE AND IN WRITING. IF THE CONTRACTOR PROCEEDS WITH THE WORK SO AFFECTED WITHOUT HAVING GIVEN SUCH WRITTEN NOTICE AND WITHOUT RECEIVING THE NECESSARY APPROVAL, DECISION OR INSTRUCTION IN WRITING FROM THE OWNER, THEN HE SHALL HAVE NO VALID CLAIM AGAINST THE OWNER, FOR THE COST OF SO PROCEEDING AND SHALL MAKE GOOD ANY RESULTING DAMAGE OR DEFECT. NO VERBAL APPROVAL, DECISION, OR INSTRUCTION SHALL BE VALID OR BE THE BASIS FOR ANY CLAIM AGAINST THE OWNER, ITS OFFICERS, EMPLOYEES, OR AGENTS. THE FOREGOING INCLUDES TYPICAL ERRORS IN THE SPECIFICATIONS OR NOTATIONAL ERRORS IN THE WORKING DETAILS WHERE THE INTERPRETATION IS DOUBTFUL OR WHERE THE ERROR IS SUFFICIENTLY APPARENT AS TO PLACE A REASONABLY PRUDENT CONTRACTOR ON NOTICE THAT, SHOULD HE ELECT TO PROCEED, HE IS DOING SO AT HIS OWN RISK.
2. CONSTRUCTION SHALL CONFORM TO ALL APPLICABLE CODES AND REGULATIONS.
3. SHOP DRAWING NOTE:
 - A. SHOP DRAWINGS SHALL BE SUBMITTED IN THE FORM OF ONE REPRODUCIBLE AND TWO COPIES OF EACH SHEET.
 - B. THE PURPOSE OF SHOP DRAWING SUBMITTALS BY THE CONTRACTOR IS TO DEMONSTRATE TO THE STRUCTURAL ENGINEER THAT HE UNDERSTANDS THE DESIGN CONCEPT BY INDICATING WHICH MATERIALS HE INTENDS TO FURNISH AND INSTALL, AND BY DETAILING THE FABRICATION AND INSTALLATION METHODS HE INTENDS TO USE.
 - C. PRIOR TO FABRICATION, SHOP DRAWINGS SHALL BE SUBMITTED FOR REVIEW TO THE STRUCTURAL ENGINEER. SHOP DRAWING SUBMITTALS SHALL INCLUDE, BUT ARE NOT NECESSARILY LIMITED TO CONCRETE MIX DESIGNS, STRUCTURAL STEEL, REINFORCING STEEL, MASONRY UNITS, GROUT MIX DESIGNS, GLUED LAMINATED BEAMS, AND PRE-FABRICATED WOOD ROOF FRAMING ITEMS SUCH AS I-JOISTS AND TRUSSES WHERE THESE ELEMENTS ARE INDICATED ON THE DRAWINGS.
 - D. PRIOR TO SUBMISSION THE CONTRACTOR SHALL REVIEW ALL SUBMITTALS FOR CONFORMANCE WITH THE CONTRACT DOCUMENTS AND SHALL STAMP SUBMITTALS AS BEING "REVIEWED FOR CONFORMANCE".
 - E. SHOP DRAWING SUBMITTALS PROCESSED BY THE STRUCTURAL ENGINEER ARE NOT CHANGE ORDERS.
 - F. ANY DETAIL ON THE SHOP DRAWING THAT DEVIATES FROM THE CONTRACT DOCUMENTS SHALL CLEARLY BE MARKED WITH THE NOTE "THIS IS A CHANGE".
 - G. SHOP DRAWINGS OR CALCULATIONS SUBMITTED FOR REVIEW THAT REQUIRE RESUBMITTAL FOR RE-REVIEW SHALL BE BILLED HOURLY FOR SUCH TIME TO THE GENERAL CONTRACTOR. RE-REVIEW WILL NOT PROCEED WITHOUT WRITTEN APPROVAL FROM THE GENERAL CONTRACTOR FOR ADDITIONAL ENGINEERING REVIEW SERVICES.
4. SAFETY NOTE:
 - A. IT IS THE CONTRACTOR'S RESPONSIBILITY TO COMPLY WITH THE PERTINENT SECTIONS, AS THEY APPLY TO THIS PROJECT, OF THE "CONSTRUCTION SAFETY ORDERS" ISSUED BY THE STATE OF CALIFORNIA LATEST EDITION, AND ALL OSHA REQUIREMENTS.
 - B. THE OWNER AND THE STRUCTURAL ENGINEER DO NOT ACCEPT ANY RESPONSIBILITY FOR THE CONTRACTOR'S FAILURE TO COMPLY WITH THESE REQUIREMENTS.
 - C. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ADEQUATE DESIGN AND CONSTRUCTION OF ALL FORMS AND SHORING REQUIRED.
5. THE CONTRACTOR SHALL NOTIFY THE STRUCTURAL ENGINEER WHERE A CONFLICT OR A DISCREPANCY OCCURS BETWEEN THE STRUCTURAL DRAWINGS AND ANY OTHER PORTION OF THE CONTRACT DOCUMENTS OR EXISTING FIELD CONDITIONS. SUCH NOTIFICATION SHALL BE GIVEN IN DUE TIME SO AS NOT TO AFFECT THE CONSTRUCTION SCHEDULE. IN CASE OF A CONFLICT BETWEEN STRUCTURAL DRAWINGS AND SPECIFICATIONS, THE MORE RESTRICTIVE CONDITION SHALL TAKE PRECEDENCE UNLESS WRITTEN APPROVAL HAS BEEN GIVEN FOR THE LEAST RESTRICTIVE. CONTRACTOR SHALL VERIFY ALL DIMENSIONS WITH STRUCTURAL DRAWINGS PRIOR TO COMMENCING ANY WORK.
6. WHERE NO SPECIFIC DETAIL IS SHOWN, THE CONSTRUCTION SHALL BE IDENTICAL OR SIMILAR TO THAT INDICATED FOR LIKE CASES OF CONSTRUCTION ON THIS PROJECT. SHOULD THERE BE ANY QUESTION, CONTACT THE STRUCTURAL ENGINEER PRIOR TO PROCEEDING.
7. WHEN CONSTRUCTION ATTACHES TO AN EXISTING BUILDING, A COMPLETE SET OF DRAWINGS OF THE EXISTING BUILDING SHALL BE KEPT ON THE JOB SITE. CONTRACTOR TO OBTAIN THESE DRAWINGS FROM THE OWNER.
8. ANY SUBSTITUTIONS FOR STRUCTURAL MEMBERS, HARDWARE, OR DETAILS SHALL BE REVIEWED BY THE STRUCTURAL ENGINEER. SUCH REVIEW WILL BE BILLED ON A TIME AND MATERIALS BASIS TO THE GENERAL CONTRACTOR WITH NO GUARANTEE THAT THE SUBSTITUTION WILL BE ALLOWED.
9. DO NOT SCALE DRAWINGS. CONTACT THE STRUCTURAL ENGINEER FOR ANY DIMENSIONS NOT SHOWN.
10. THESE DRAWINGS ARE NOT COMPLETE UNTIL REVIEWED AND ACCEPTED BY THE LOCAL BUILDING OFFICIAL AND SIGNED BY THE OWNER AND THE STRUCTURAL ENGINEER.
11. ALL DRAWINGS AND WRITTEN MATERIAL APPEARING HEREIN CONSTITUTES THE ORIGINAL AND UNPUBLISHED WORK OF THE STRUCTURAL ENGINEER AND THE SAME MAY NOT BE DUPLICATED, USED OR DISCLOSED WITHOUT WRITTEN CONSENT OF THE STRUCTURAL ENGINEER.
12. THE STRUCTURE SHOWN ON THESE DRAWINGS IS STRUCTURALLY SOUND ONLY IN ITS COMPLETED FORM. THE STABILITY OF THIS STRUCTURE DEPENDS ON THE DIAPHRAGMS AND THE BRACING MEMBERS SHOWN. THE CONTRACTOR IS TO PROVIDE FOR THE DESIGN AND CONSTRUCTION OF SHORING FOR ALL EARTH, FORMS, CONCRETE, STEEL, WOOD, AND MASONRY TO RESIST GRAVITY, EARTH, WIND, SEISMIC, AND CONSTRUCTION LOADS. SHORING SHALL REMAIN IN PLACE UNTIL ALL DIAPHRAGMS AND LATERAL RESISTING ELEMENTS ARE IN PLACE IN THEIR ENTIRETY.

TEST & INSPECTIONS:

1. TEST AND INSPECTION SHALL BE PROVIDED BY A QUALIFIED TESTING AGENCY AS REQUIRED BELOW AND SHALL CONFORM TO THE REQUIREMENTS OF THE 2013 CBC SECTIONS 1701 AND 1704.

TESTS:

- ☐ FILL COMPACTION
- ☐ SUB-GRADE PREPARATION
- ☐ REINFORCING STEEL
- ☒ CONCRETE
- ☐ STRUCTURAL STEEL
- ☐ EPOXY & EXPANSION ANCHORS
- ☐ MASONRY
- ☐ GROUT & MORTAR
- ☐ SHOTCRETE

CONTINUOUS INSPECTIONS:

- ☒ EPOXY & EXPANSION ANCHORS
- ☐ SHOP WELDING PENETRATION GROOVE WELDS, FILLET WELDS $>\frac{1}{8}$ ", & REBAR
- ☐ FIELD WELDING PENETRATION GROOVE WELDS, FILLET WELDS $>\frac{1}{8}$ ", & REBAR
- ☐ HIGH STRENGTH BOLTING, BOLTS PRETENSIONED W/ TURN OF NUT OR CALIBRATED WRENCH METHOD

PERIODIC INSPECTIONS:

- ☐ SPECIAL GRADING, EXCAVATION & FILLING
- ☐ PILE/PIER INSTALLATION
- ☒ REINFORCEMENT PLACEMENT
- ☒ CONCRETE PLACEMENT
- ☐ SHOP WELDING UNO
- ☐ FIELD WELDING UNO
- ☐ HIGH STRENGTH BOLTING UNO
- ☐ MASONRY PLACEMENT & GROUTING
- ☐ SHEAR STUD INSTALLATION
- ☐ SHOTCRETE
- ☐ ANCHOR BOLT SIZE & PLACEMENT
- ☐ ROOF, FLOOR, & WALL SHTG NAILING
- ☐ STRAPS & FRAMING CONNECTORS
- ☐ TOP R_L & LEDGER SPLICE NAILING



KJELDSSEN SINNOCK NEUDECK INC.
Civil Engineers and Land Surveyors
Post Office Box 844
711 N. Pershing Avenue
Stockton, CA 95201-0844
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E-mail: KSN@ksninc.com

WOODBIDGE SANITARY DISTRICT
WOODBIDGE, CALIFORNIA
ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

STRUCTURAL NOTES

Revisions					Design BAF	Scale AS SHOWN	Date NOVEMBER 2015
No.	Description	Date	By	Appr. By			
					Drawn DGG	Original Drawing Scale 0 1/2" 1" 	Sheet Number 7 of 10
					Check BAF		
							Project File No. 0072-0740-14

1 2 3 4 5 6 7 8

4 EQ. SPACES @ 13'-0" MAX

BRACE, SEE 1

PLAN
SCALE: 1/4"=1'-0"

SECTION
SCALE: 1/4"=1'-0"

PIPE SUPPORT
SCALE: 1"=1'-0"

NOTE:
ALL MATERIAL, PARTS, AND FASTENERS ARE SS 304.

1'-0" 1/2" TYP

1.4x4x3/8

TOLCO B-12

10" CASING

TOLCO B-12

TOLCO FIG 41A

1/4"x4x3/8" EMB HILTI KB-TZ, TYP

TOLCO B-LINE FIG 980

1'-2" 1'-0"

12" MAX CORE OR CHIP THROUGH ABUTMENT, TYP

CHIP SLOPED PAVING & REGROUT, TYP

28

6" EPOXY, TYP

3" MIN

GROUT

1/2" STYROFOAM

28

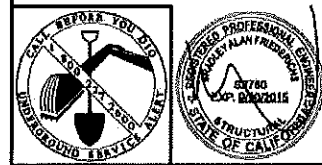
#5 @ 12" CC EW

4'-0" SQ

#5 DOWELS @ 12" CC EW

DO NOT CUT BOTTOM BARS, TYP

SECTION
SCALE: 1"=1'-0"




K S N **KJELDSEN
SINNOCK
NEUDECK**
INC. Civil Engineers
and Land Surveyors

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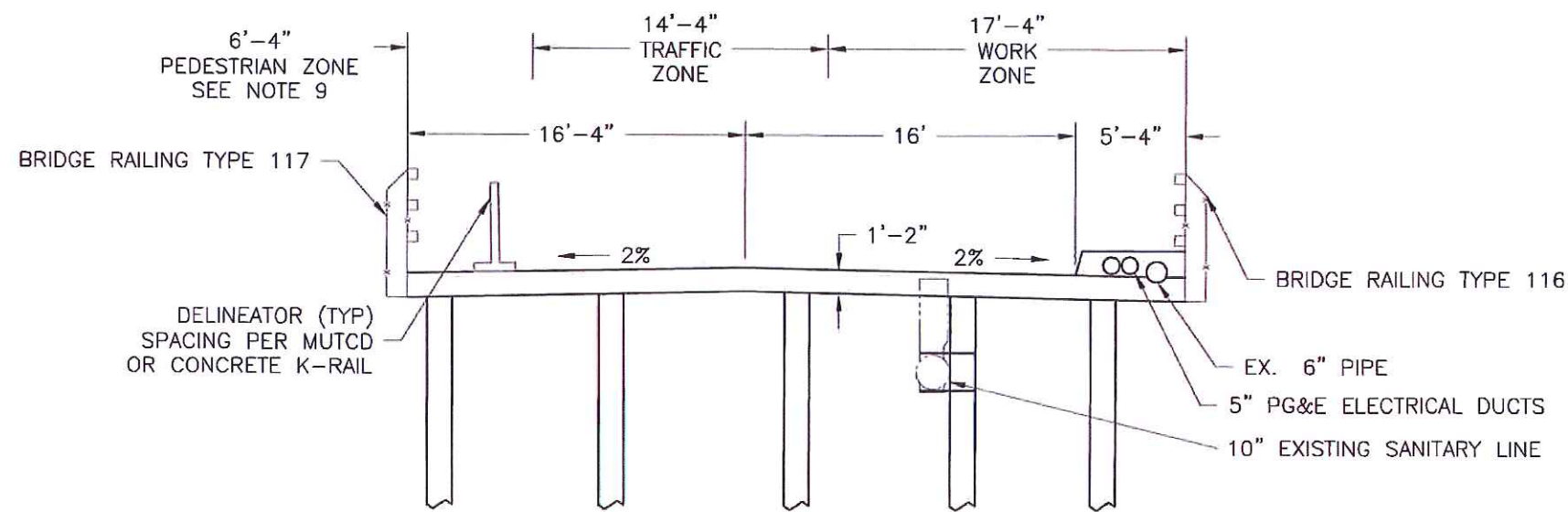
WOODBIDGE SANITARY DISTRICT
WOODBIDGE, CALIFORNIA
ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

STRUCTURAL DETAILS

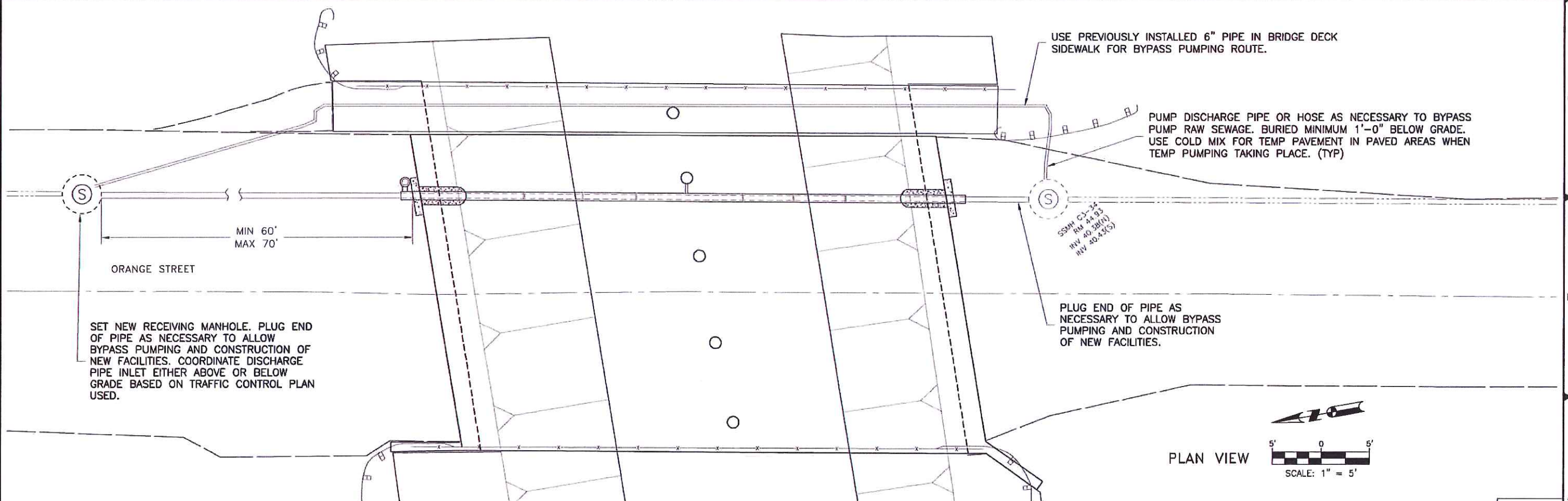
Revisions					Design BAF	Scale AS SHOWN	Date NOVEMBER 2015
No.	Description	Date	By	App'd. By	Drawn DGG	Original Drawing Scale 0 1/2" 1" 	Sheet Number 8 of 10
					Check BAF		Project File No. 0072-0740-14

SEWER BYPASSING

1. THE CONTRACTOR SHALL FURNISH, INSTALL, OPERATE, AND MAINTAIN ALL MACHINERY, APPLIANCES, AND EQUIPMENT TO BYPASS THE SEWER FLOWS AROUND THE AREA OF WORK SO AS NOT TO CAUSE INJURY TO PUBLIC OR PRIVATE PROPERTY, OR TO CAUSE A NUISANCE OR MENACE TO THE PUBLIC. SUITABLE CONTAINMENT PROTECTION SHALL BE PROVIDED DURING THE BYPASS.
2. PUMPS, IF USED, SHALL BE INSTALLED IN PARALLEL AND SHALL BE AUTOMATICALLY ACTIVATED TO MAINTAIN AN APPROPRIATE LEVEL. THE BYPASS PIPELINE SHALL BE SIZED FOR A MAXIMUM VELOCITY OF 10 FEET PER SECOND AND SHALL HAVE RESTRAINED JOINTS. ACCEPTABLE MATERIALS ARE STEEL, DUCTILE IRON, PVC, AND POLYETHYLENE.
3. THE CONTRACTOR SHALL FURNISH THE ENGINEER WITH A TWENTY-FOUR (24) HOUR PHONE NUMBER OF PERSONNEL WHO SHALL RESPOND, IN ONE HOUR, TO ANY BYPASS PROBLEMS ENCOUNTERED DURING THE CONSTRUCTION PERIOD. THIS REQUIREMENT WILL INCLUDE WEEKENDS AND HOLIDAYS.
4. BYPASS FOR EXISTING 6" SEWER SHALL HAVE A RELIABLE CAPACITY NOT LESS THAN 200 GPM.
5. ALL POWER PLANT(S) USED TO SUPPLY BYPASS PUMPING, IF USED, SHALL BE EQUIPPED WITH SILENCERS, SOUND CURTAINS, ENCLOSURES, OR OTHER MEANS TO REDUCE SOUND TO ACHIEVE COMPLIANCE WITH THE SAN JOAQUIN COUNTY NOISE ORDINANCE.
6. DURING BYPASS PUMPING ACTIVITIES CONTRACTOR SHALL MONITOR LEVEL IN WET WELL AND VISUALLY INSPECT EVERY MORNING AND AT END OF DAY.
7. PROVIDE PUMPING EQUIPMENT CAPABLE OF LEVEL CONTROL, MONITORING, AND ALARMING TO DISTRICT ON CALL STAFF.
8. FOR DIMENSIONS SEE CIVIL PLAN SHEET 4.
9. PEDESTRIAN PATHWAY PER ADA COMPLIANCE.



D1 PEDESTRIAN/TRAFFIC CONTROL LAYOUT
SCALE: N.T.S.



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WOODBRIDGE SANITARY DISTRICT
WOODBRIDGE, CALIFORNIA
ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

DIVERSION/DETAILS

Design DCC		Scale 1" = 5'		Date NOVEMBER 2015	
Drawn JDK		Original Drawing Scale 0 1/2" 1"		Sheet Number 9 Of 10	
Check NTC		Project File No. 0072-0740-14			
No.	Description	Date	By	App'd. By	
	Revisions				

NOTES:

1. CONTRACTOR TO SUBMIT ENCROACHMENT PERMIT APPLICATION TO SAN JOAQUIN COUNTY. CONTRACTOR TO COMPLETE APPLICATION AND PAY FEES. CONTRACTOR WILL BE REIMBURSED BY DISTRICT FOR THE COST OF THE COUNTY ENCROACHMENT PERMIT FEES UPON RECEIPT.
2. ROADWAY TO OPEN EACH AFTERNOON FOLLOWING CONSTRUCTION WORK. TRENCHES OR OPEN EXCAVATIONS SHALL BE COVERED WITH NON-SKID TRENCH PLATES PROPERLY SIZED AT ALL TIMES WHEN IMMEDIATE WORK WITHIN EXCAVATIONS IS NOT TAKING PLACE.

LANE CLOSURE ON TWO-LANE ROAD USING FLAGGERS (MUTCD 5-102)

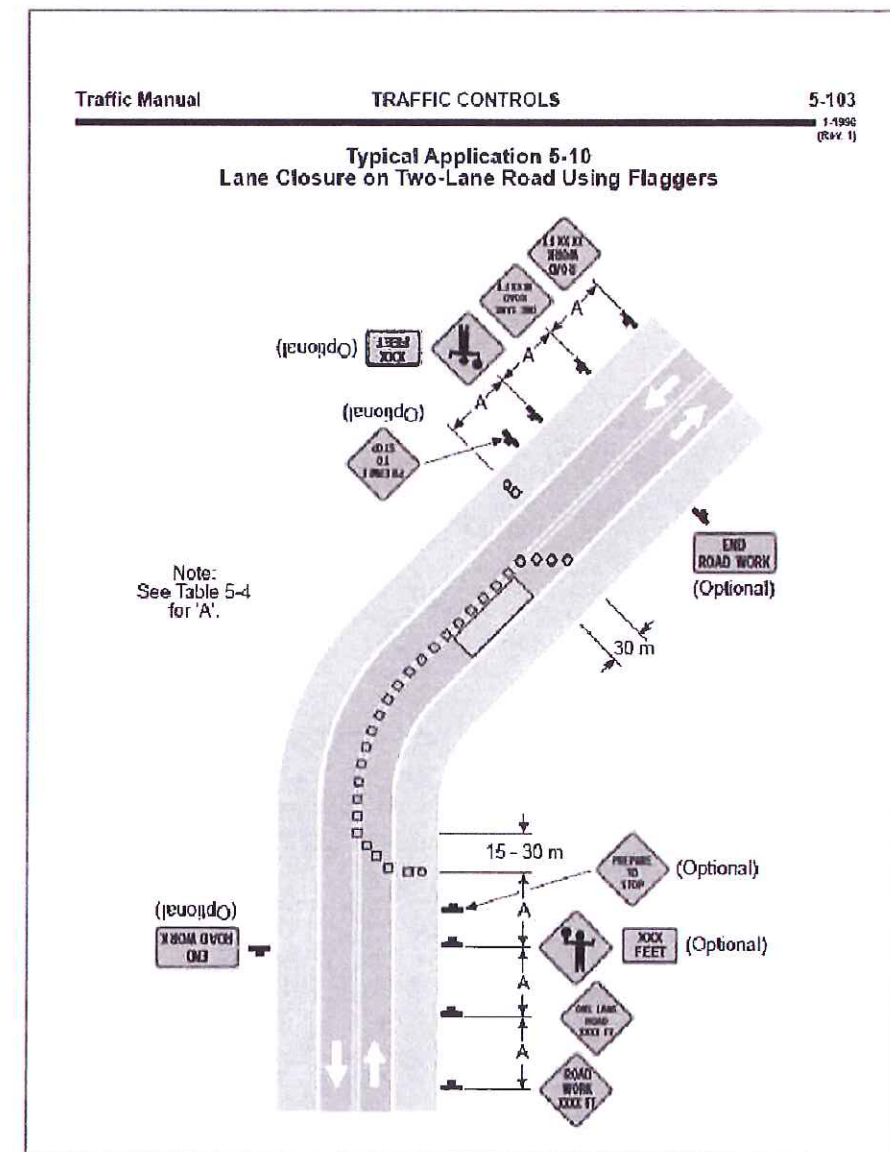
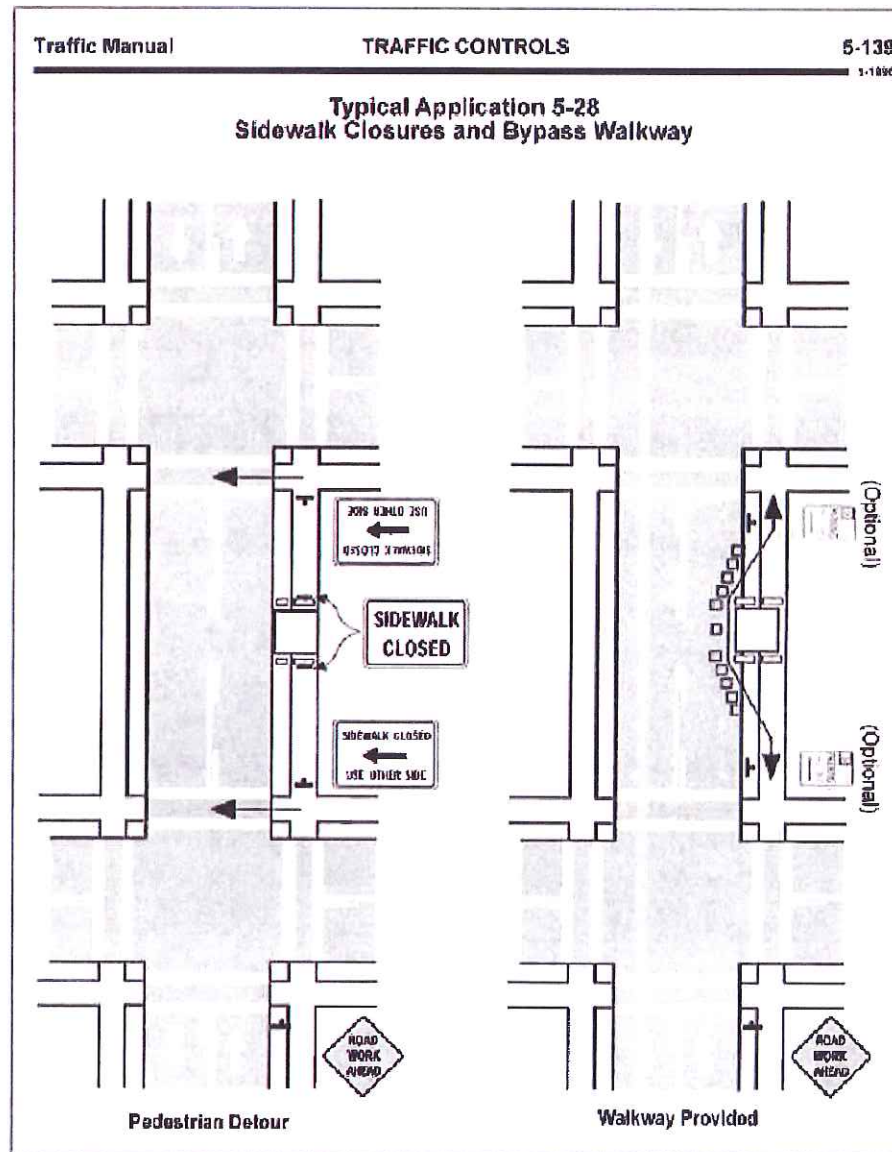
1. FLOODLIGHTS SHOULD BE PROVIDED TO MARK FLAGGER STATIONS AT NIGHT AS NEEDED.
2. FOR LOW-VOLUME APPLICATIONS, A SINGLE FLAGGER MAY BE ADEQUATE. WHERE ONE FLAGGER CAN BE USED, SUCH AS FOR SHORT WORK ZONES ON STRAIGHT ROADWAYS, THE FLAGGER MUST BE VISIBLE TO APPROACHING TRAFFIC FROM BOTH DIRECTIONS.
3. CHANNELIZING DEVICES ARE TO BE EXTENDED TO A POINT WHERE THEY ARE VISIBLE TO APPROACHING TRAFFIC.
4. THE "ROAD WORK AHEAD" SIGN MAY BE OMITTED FOR SHORT-DURATION OPERATIONS OR WHEN THE END OF THE WORK ZONE IS OBVIOUS.
5. FLASHING WARNING LIGHTS AND/OR FLAGS MAY BE USED TO CALL ATTENTION TO THE ADVANCED WARNING SIGNS.
6. FOR STATE HIGHWAYS, SEE CALTRANS STANDARD PLAN T13.

SIDEWALK CLOSURES AND BYPASS WALKWAY (MUTCD 5-28):

1. ADDITIONAL ADVANCE WARNING MAY BE NECESSARY.
2. ONLY THE TRAFFIC CONTROL DEVICES CONTROLLING PEDESTRIAN FLOWS ARE SHOWN. OTHER DEVICES MAY BE NEEDED TO CONTROL TRAFFIC ON THE STREETS. USE LANE CLOSURE SIGNING OR ROAD NARROWS SIGNS, AS NEEDED.
3. STREET LIGHTING SHOULD BE CONSIDERED.
4. FOR NIGHTTIME CLOSURES, TYPE A FLASHING WARNING LIGHTS MAY BE USED ON BARRICADES SUPPORTING SIGNS AND CLOSING WALKWAYS. TYPE C STEADY-BURN LIGHTS MAY BE USED ON CHANNELIZING DEVICES SEPARATING THE TEMPORARY WALKWAY FROM VEHICULAR TRAFFIC.
5. WHERE HIGH SPEEDS MAY BE ANTICIPATED, USE A BARRIER TO SEPARATE THE TEMPORARY WALKWAY FROM VEHICULAR TRAFFIC.
6. SIGNS MAY BE PLACED ALONG A TEMPORARY WALKWAY TO GUIDE OR DIRECT PEDESTRIANS. EXAMPLES INCLUDE KEEP RIGHT AND KEEP LEFT SIGNS.
7. SEE PEDESTRIAN/TRAFFIC CONTROL LAYOUT ON SHEET 9.
8. SEE DEMOLITION PLAN ON SHEET 3 FOR VEGETATION REMOVAL ALLOWING SAFE PEDESTRIAN ACCESS IN SOUTH BOUND LANE.

SAN JOAQUIN COUNTY NOTES:

1. CONSTRUCTION SHALL BE PER SJ COUNTY ENCROACHMENT PERMIT REQUIREMENTS. ANY DISCREPANCY BETWEEN THE PLANS, SPECS, AND ENCROACHMENT PERMIT, THE REGULATIONS PER THE ENCROACHMENT PERMIT SHALL PREVAIL.
2. TRAFFIC CONTROL DURING CONSTRUCTION ACTIVITIES PER MUTCA TYPICAL APPLICATION 5-10, LANE CLOSED 2 LANE ROAD USING FLAGGERS.
3. CONTRACTOR MAY PROPOSE ALTERNATIVE TRAFFIC CONTROLS. PROJECT HAS BEEN DEVELOPED AROUND MUTCA 5-11.
4. NO WORK DURING PEAK SCHOOL HOURS: 6:00 A.M. TO 8:00 A.M.
2:00 P.M. TO 4:00 P.M.



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WOODBIDGE SANITARY DISTRICT
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ORANGE ST. BRIDGE - SANITARY SEWER CROSSING

TRAFFIC CONTROL

Design DCC	Scale N.T.S.	Date NOVEMBER 2015
Drawn CMK	Original Drawing Scale 0 1/2" 1"	Sheet Number 10 Of 10
Check NTC		Project File No. 0072-0740-14



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: PS-1500726
Date Issued: 11/18/2015
Start Date: 11/18/2015
Exp. Date: 01/01/2016
Project No: PWP790090
Quad: NW
Extended To: 02/11/2016

ENCROACHMENT PERMIT

To: WOODBRIDGE SANITARY DISTRICT
19720 N. BENEDICT DRIVE
WOODBRIDGE, CA 95258

RIDER # 2
Date 2-10-16

Encroachment Type:

Sewer Line	Replacement		
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Location:

ORANGE STREET SEWER LINE REPLACEMENT S/O INDIANA ST.

In compliance with your request of 03/31/2015, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD*****See Attached "Special Conditions"*****

FORMS:

SS/WW, R-29		
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Est. Permit Fee: \$10,000.00

WHITE	-Permittee
GOLDENROD	-PWD Central File
YELLOW	-Field Inspection
PINK	-Permit Section

KRIS BALAJI, Director
Department of Public Works

By: [Signature]
Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies governing the encroachment herein permitted. See the following references:

STREETS AND HIGHWAYS CODE

1. Division 1, Chapter 3
2. Division 2, Chapter 2, Section 942
3. Division 2, Chapter 4, Section 1126
4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.



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To: WOODBRIDGE SANITARY DISTRICT
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In compliance with your request of 03/31/2015, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

Trench excavations for service connections will not be permitted within ten feet (10') of pavement centerline unless otherwise approved by the Director. Surface of trench patches shall match in kind and be smooth and even with that of abutting surface. Special attention shall be given to depth of utilities through roadside area in anticipation of future drainage facilities, road profile and/or frontage development. All underground utility facilities are to be established and accurately dimensioned on sketches from surveyed centerline of road right of way, or from right of way (border) lines.

Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

After completion of the work permitted herein, all debris, lumber, barricades, or any excess material shall be removed and the jobsite left in a neat workmanlike manner. Immediately following completion of construction permitted herein, Permittee shall fill out and mail notice of completion (see attached post card) provided by Grantor.

Special Comments:

Traffic Control Per MUTCD*****See Attached "Special Conditions"*****

FORMS: SS/WW, R-29

Est. Permit Fee: \$10,000.00

WHITE -Permittee
GOLDENROD -PWD Central File
YELLOW -Field Inspection
PINK -Permit Section

KRIS BALAJI, Director
Department of Public Works

By: 
Permit Section

ENCROACHMENT PERMIT GENERAL PROVISIONS

13-1

1. This permit is issued under and subject to all laws and ordinances of agencies-governing the encroachment herein permitted. See the following references:

STREETS AND HIGHWAYS CODE

1. Division 1, Chapter 3
2. Division 2, Chapter 2, Section 942
3. Division 2, Chapter 4, Section 1126
4. Division 2, Chapter 5.5 and Chapter 6

SAN JOAQUIN COUNTY ORDINANCES NUMBERED: 324, 441, 648, 662, 672, 695, 700, 860, 892, 3359, and 3675.

2. It is understood and agreed by the Permittee that the performance of any work under this permit shall constitute an acceptance of all the provisions contained herein and failure on the Permittee's part to comply with any provision will be cause for revocation of this permit. Except as otherwise provided for public agencies and franchise holders, this permit is revocable on five days notice.
3. All work shall be done subject to the supervision of and the satisfaction of the grantor. The Permittee shall at all times during the progress of the work keep the County Highway in as neat and clean condition as is possible and upon completion of the work authorized herein, shall leave the County Highway in a thoroughly neat, clean and usable condition.
4. The Permittee also agrees by the acceptance of this permit to properly maintain any encroachment structure placed by the Permittee on any part of the County Highway and to immediately repair any damage to any portion of the highway, which occurs as a result of the maintenance of the said encroachment structure, until such time as the Permittee may be relieved of the responsibility for such maintenance by the County of San Joaquin.
5. The Permittee also agrees by the acceptance of this permit to make, at its own expense, such repairs as may be deemed necessary by the County Department of Public Works.
6. It is further agreed by the Permittee that whenever construction, reconstruction or maintenance work upon the highway is necessary, the installation provided for herein shall, upon request of the County Department of Public Works, be immediately moved or removed by and at the sole expense of the Permittee.
7. No material used for fill or backfill in the construction of the encroachment shall be borrowed or taken from within the County right of way.
8. All work shall be planned and carried out with as little inconvenience as possible to the traveling public. No material shall be stacked within eight feet (8') of the edge of the pavement or traveled way unless otherwise provided herein. Adequate provision shall be made for the protection of the traveling public. Traffic control standards shall be utilized including barricades; approved signs and lights; and flagmen, as required by the particular work in progress.
9. The Permittee, by the acceptance of this permit, shall assume full responsibility for all liability for personal injury or damage to property which may arise out of the work herein permitted or which may arise out of the failure of the part of the Permittee to properly perform the work provided under this permit. In the event any claim of such liability is made against the County of San Joaquin or any department, official or employee thereof, the Permittee shall defend, indemnify, and hold each of them harmless for such claim.
10. All backfill material is to be moistened as necessary and thoroughly compacted with mechanical means. If required by the County Director of Public Works, such backfill shall consist of gravel or crushed rock. The Permittee shall maintain the surface over structures placed hereunder as may be necessary to insure the return of the roadway to a completely stable condition and until relieved of such responsibility by the County Department of Public Works. Wherever a gravel, crushed rock or asphalt surface is removed or damaged in the course of work related to the permitted encroachment, such material shall either be separately stored and replaced in the roadway as nearly as possible in its original state or shall be replaced in kind, and the roadway shall be left in at least as good a condition as it was before the commencement of operations of placing the encroachment structure.
11. Whenever it becomes necessary to secure permission from abutting property owners for the proposed work, such authority must be secured by the Permittee prior to starting work.
12. The current and future safety and convenience of the traveling public shall be given every consideration in the location and methods of construction utilized.
13. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
14. Prior to any excavation, the Permittee shall notify USA North (Underground Service Alert of Northern California and Nevada) at 811 or 800-227-2600 forty-eight (48) hours in advance.



COUNTY OF SAN JOAQUIN

DEPARTMENT OF PUBLIC WORKS
P.O. BOX 1810-1810 E. HAZELTON AVENUE
STOCKTON, CALIFORNIA 95201
(209) 468-3000
FAX # (209) 468-9324

Permit No: **PS-1500726**
Date Issued: 11/18/2015
Start Date: 11/18/2015
Exp. Date: 01/01/2016
Project No: PWP790090
Quad: NW

ENCROACHMENT PERMIT

To: WOODBRIDGE SANITARY DISTRICT
19720 N. BENEDICT DRIVE
WOODBRIDGE, CA 95258

Encroachment Type:

Sewer Line	Replacement		
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Location:

ORANGE STREET SEWER LINE REPLACEMENT S/O INDIANA ST.

In compliance with your request of **03/31/2015**, permission is hereby granted to do work in County right-of-way as shown on attached application and subject to all the terms, conditions and restrictions written below or printed as general or special provisions on any part of this form. See reverse side and attached sheet, if any.

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Permittee shall call the Department of Public Works, Field Engineering Division (Permit Inspections) at (209)953-7421 at least forty-eight hours prior to beginning any work within the County right of way. All work performed under this permit shall conform to the rules and regulations pertaining to safety established by the California Division of Industrial Safety and Cal-OSHA.

The jobsite shall be kept in a safe condition at all times by the daily removal of any excess dirt or debris which might be a hazard to either pedestrian or automobile traffic. All necessary traffic convenience and warning devices and personnel shall be provided, placed and maintained by and at the sole expense of the Permittee in accordance with the latest edition of the CALTRANS Manual of Traffic Control.

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Special Comments:

Traffic Control Per MUTCD*****See Attached "Special Conditions"*****

FORMS:

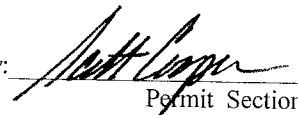
SS/WW, R-29

Est. Permit Fee: \$10,000.00

WHITE -Permittee
GOLDENROD -PWD Central File
YELLOW -Field Inspection
PINK -Permit Section

KRIS BALAJI, Director
Department of Public Works

By:


Permit Section

SPECIAL CONDITIONS FOR
WSD – ORANGE ST. PROJECT
ENCROACHMENT PERMIT

1. Maintain traffic controls for all roads. Traffic control delays shall not exceed 15 minutes. Two-way traffic shall be maintained during non-working hours with excavated areas backfilled or plated. During working hours, two-way traffic control shall be maintained with one lane open and appropriate flaggers.
2. Access to all properties shall be maintained at all times except when work is occurring at the access point. Minimal delays will be allowed to provide access within the work zone area. Driveway access shall be fully restored at the end of each workday. Driveways disturbed by the contractor shall be replaced with in-kind or better materials.
3. Residents and businesses shall be notified in writing, as approved by the County, 48 hours in advance of any impacts to their access.
4. Any areas where parking is to be restricted shall have signs noting the restrictions in place at least 48 hours in advance.
5. Work shall not be permitted within the San Joaquin County right-of-way between November 1 and March 31 without prior authorization from the San Joaquin County Field Engineering Division, contact them at 209-953-7421.
6. Final paving for trench repair or road resurfacing shall be per Caltrans' specifications and shall not occur between November 1 and March 31, without prior authorization from the San Joaquin County Field Engineering Division, contact them at 209-953-7421.
7. All pavement markings destroyed or obliterated must be replaced in kind by the permittee. Typical pavement markings include, but not limited to, lane lines, centerlines, stop and stop ahead legends, limit lines, raised pavement markers and miscellaneous delineators.
8. The Permittee is responsible for the preservation of survey monuments located within the area of work herein permitted. Prior to the start of construction, survey monuments that potentially may be disturbed shall be located and referenced by a Licensed Land Surveyor, and a Corner Record filed with the County Surveyor. Any Survey Monuments disturbed during the course of construction shall be reestablished by a Licensed Land Surveyor and another Corner Record filed with the County Surveyor. (Land Surveyors' Act Section 8771)
9. All pipe and pipeline related facilities including, but not limited to, valves, utility boxes and vaults, and frames and covers shall be maintained by Woodbridge Sanitary Sewer District (WSD). WSD shall be responsible for any and all costs associated with the removal, relocation and/or adjustment of these facilities as determined by the County at WSD's expense. (Streets and Highways Code Section 1463)
10. All future maintenance of the pipeline and related facilities within the County right-of-way will require a San Joaquin County Encroachment Permit.

11. Trenches shall be maintained in a smooth and even condition to the satisfaction of the County throughout the project limits at all times.
12. All trenches shall be completely backfilled or shored and plated at the end of each workday, and the roadway restored to two-way traffic. If plating is to be used, a trench shoring and plating plan suitable for traffic loadings shall be prepared by a registered civil engineer and submitted for prior approval by the County.
13. The contractor shall use San Joaquin County Standard R-29 when backfilling trenches within the County right-of-way. Where the existing road structural section is below standard, a minimum section of 3 inches of asphalt concrete over 8 inches of aggregate base shall be required.
14. Temporary pavement shall be provided for all trench areas within three days of pavement removal or by Friday of each week, whichever is more restrictive.
15. Contractor shall establish existing roadway and drainage grades within the construction area. Any repair to roadways and adjacent areas shall match existing grades. Any proposed grade changes shall receive prior approval from County.
16. School buses shall be passed through the work zone with minimal delays.
17. County roads shall be kept clean from mud and debris at all times along the access points and work zone areas during entire project. All standard roadway striping and signage shall be clearly visible, maintained and restored throughout the construction zone during and after the project.
18. In addition to standard dust control measures, streets shall be maintained in a clean condition, free of dirt, mud and debris during construction activities. The contractor shall provide daily, or as needed, street sweeping using a modern mechanical or vacuum-assisted street sweeper.
19. The contractor shall not conduct construction operations in rain or heavy fog conditions.

APPLICATION FOR ENCROACHMENT PERMIT

PLEASE PRINT:

Date OCT. 22, 2015

To: San Joaquin County
Department of Public Works

STLINE DBA TODD COMPANIES
(Applicant Name)

P.O. BOX 6820
(Mailing Address)

Visalia CA 93290
(City, State, Zip Code)

(559) 651-5820
(Area Code - Telephone Number)

15-1500726

OFFICE USE ONLY

JOB #	<u>790090</u>	REF #	
APN		CR #	
EXP. DATE	<u>1/1/16</u>		
VALID	<u>11/15</u> TO <u>1/1/16</u>	DRIVEWAYS:	
STREET	<u>Orange St.</u>	*	
AREA	<u>Woodbridge QUAD NW</u>	*	
TYPE	<u>Sewer Replacement</u>	*	
FORMS	<u>SDWW, P. 29, Special Conditions</u>		
NOTES			

Sketch (Detailed plans may be submitted)

SEE ATTACHED PLANS

The undersigned hereby applies for permission to excavate, construct and/or otherwise encroach on County Highway Right-of-Way on the _____ side of _____ approximately _____ feet/mile _____ of _____, by performing the following work (description of work):

Sewer Line replacement across the bridge on Orange St. between
Indiana St. and Carolina St., Woodbridge.

Work will commence on or about Nov 1, 2015 for approximately 30 days.








I, the undersigned, certify that I am the owner of the respective property, or am qualified to represent the owner and agree to do the work described above in accordance with the rules and regulations of San Joaquin County and subject to inspection and approval.

David Hargrett PM/EST FOR STLINE
Signature of Applicant - Title DBA

OCT 22, 2015
Date

TODD COMPANIES

Woodbridge Sanitary District
2015 Orange Street Bridge - Sanitary Sewer Crossing
Preliminary Schedule

ID	Task Mode	Task Name	Duration	Start	Finish	Predecessors	Nov 1, '15	Nov 8, '15	Nov 15, '15	Nov 22, '15	Nov 29, '15	Dec 6, '15	Dec 13, '15	Dec 20, '15	Dec 27, '15	
1		Project Duration	35 days	Mon 11/9/15	Fri 12/25/15		T F S S M T W T F S S M T W T F S S M T W T F S S M T W T	S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T	S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T	S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T	S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T	S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T	S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T	S M T W T F S S M T W T F S S M T W T F S S M T W T F S S M T W T		
2		Mobilization	1 day	Mon 11/23/15	Mon 11/23/15											
3		Demolition	4 days	Wed 11/25/15	Mon 11/30/15											
4		Bypass Pumping	3 days	Mon 11/30/15	Wed 12/2/15											
5		Civil / Sitework	14 days	Tue 11/24/15	Fri 12/11/15											
6		Structural	3 days	Mon 11/30/15	Wed 12/2/15											
7		Demobilization	1 day	Mon 12/14/15	Mon 12/14/15											

Project: Project1 Date: Fri 10/30/15	Task	Project Summary	Inactive Milestone	Manual Summary Rollup	Deadline
	Split	External Tasks	Inactive Summary	Manual Summary	Progress
	Milestone	External Milestone	Manual Task	Start-only	
	Summary	Inactive Task	Duration-only	Finish-only	

ENCROACHMENT PERMIT GENERAL PROVISIONS

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