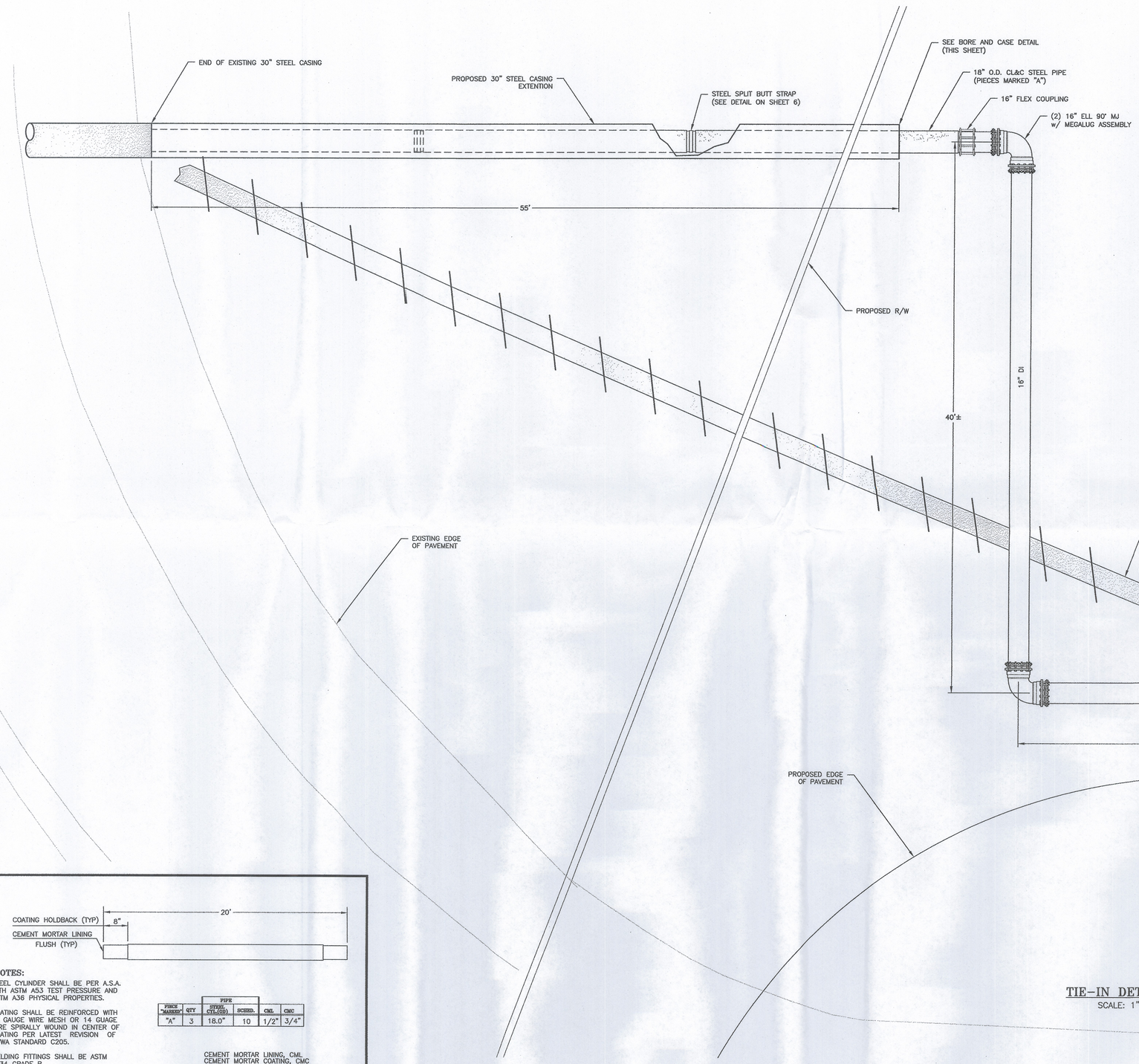
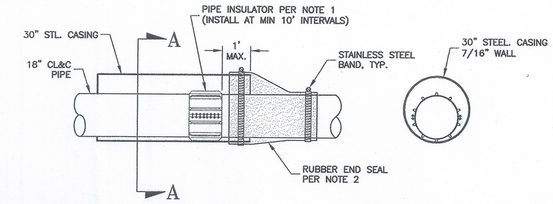


TIE-IN DETAIL "A"

SCALE: 1"= 4'



PIPE SUPPORTS IN CONDUIT

NOTES

1. PIPE INSULATORS TO BE FOR 19.5" O.D. PIPE BY 29.56" I.D. CASING, WITH 4" WIDE STAINLESS STEEL BANDS AND PHENOLIC OR GLASS REINFORCED PLASTIC SKIDS.
2. CASING END SEAL TO CL&C PIPE TO BE SYNTHETIC RUBBER (MIN. 1/8" THICKNESS) WITH STAINLESS STEEL BANDS AND CLAMPS.
3. FULL WATER TIGHT WELD REQUIRED AT JOINTS OF CONDUIT.
4. PROTECT UNDERGROUND FLEXIBLE COUPLINGS, BARE STEEL, MJxMJ SLEEVES AND BOLTS AS FOLLOWS:

A. THE ENTIRE AREA OF FITTING SHOULD BE DRY AND FREE OF DUST, DIRT OR OTHER FOREIGN MATTER. RUST OF OTHER FOREIGN MATERIAL SHOULD BE REMOVED BY SCRAPING OR WIRE BRUSHING. WIPING WITH A DRY CLEAN CLOTH MAY BE NECESSARY TO REMOVE PARTICLES FROM BRUSH CLEANING. ANY OIL GREASE MUST BE REMOVED USING A LOW RESIDUE VOLATILE PETROLEUM SOLVENT BEFORE APPLICATION OF GREASE AND WRAPPING.

B. THE EXPOSED AREA SHOULD BE COATED WITH A HEAVY COATING OF METALGUARD #301 GREASE BY THE GLOVE METHOD TO A THICKNESS OF AT LEAST 1/4 INCH.

C. FIRMLY WRAP THE ENTIRE GREASE AREA WITH AT LEAST TWO LAYERS HALF LAPPED OF A WOVEN GLASS FILAMENT MESH (RES OR BIT WRAP, 4 INCH WIDE). APPLY GREASE BETWEEN EACH LAYER DURING WRAPPING, WORKING THE GREASE INTO THE MESH OPENINGS.

D. COVER THE ENTIRE MESH WRAPPED AREA OF FITTING WITH AT LEAST 1/4 INCH THICK OF METALGUARD #301 GREASE BY THE GLOVE METHOD.

E. FIRMLY APPLY TWO LAYERS OF THE POLYWRAP TUBE OVER PROTECTED AREA BY SPLITTING THE TUBE AND TAPING THE POLYWRAP IN PLACE WITH THE PVC TAPE.

F. BACKFILLING MAY FOLLOW IMMEDIATELY AFTER THE POLYWRAP TUBE IS TAPED CLOSE.

BORE & CASE DETAILS

N.T.S.

NOTES:

1. STEEL CYLINDER SHALL BE PER A.S.A. WITH ASTM A53 TEST PRESSURE AND ASTM A36 PHYSICAL PROPERTIES.
2. COATING SHALL BE REINFORCED WITH 14 GAUGE WIRE MESH OR 14 GUAGE WIRE SPIRALLY WOUND IN CENTER OF COATING PER LATEST REVISION OF AWWA STANDARD C205.
3. WELDING FITTINGS SHALL BE ASTM A234 GRADE B.

PIECE "MARKER"	QTY	PIPE STEEL CYL.(OD)	SCHED.	CML	CMC
"A"	3	18.0"	10	1/2"	3/4"

CEMENT MORTAR LINING, CML
CEMENT MORTAR COATING, CMC

CL&C PIPE DETAIL

ENGINEERING

CALIFORNIA WATER SERVICE CO.

DEPARTMENT

REVISIONS:

	DATE:	INIT.
DISTRIBUTION MAP		
PLAT SHEET		
SYSTEM SCHEMATIC		
STATION SCHEMATIC		
ZONE MAP		
VALVE RECORD		

PLAT SHEET NO.: STK-35-34

SCALE: AS SHOWN

DRAWN BY: E. JACOBSEN

DESIGNED BY: E. JACOBSEN

CHECKED BY: DATE: 5-15-12

APPROVED BY: DATE: 5/15/12

TITLE: ROUTE 99 WIDENING PROJECT RELOCATION OF FACILITIES

DISTRICT: STOCKTON

DATE: 5-15-12

PROJECT ID.: 52328

DRAWING NO.: STK-8720

SHT 3 OF 8

PS-12-02533