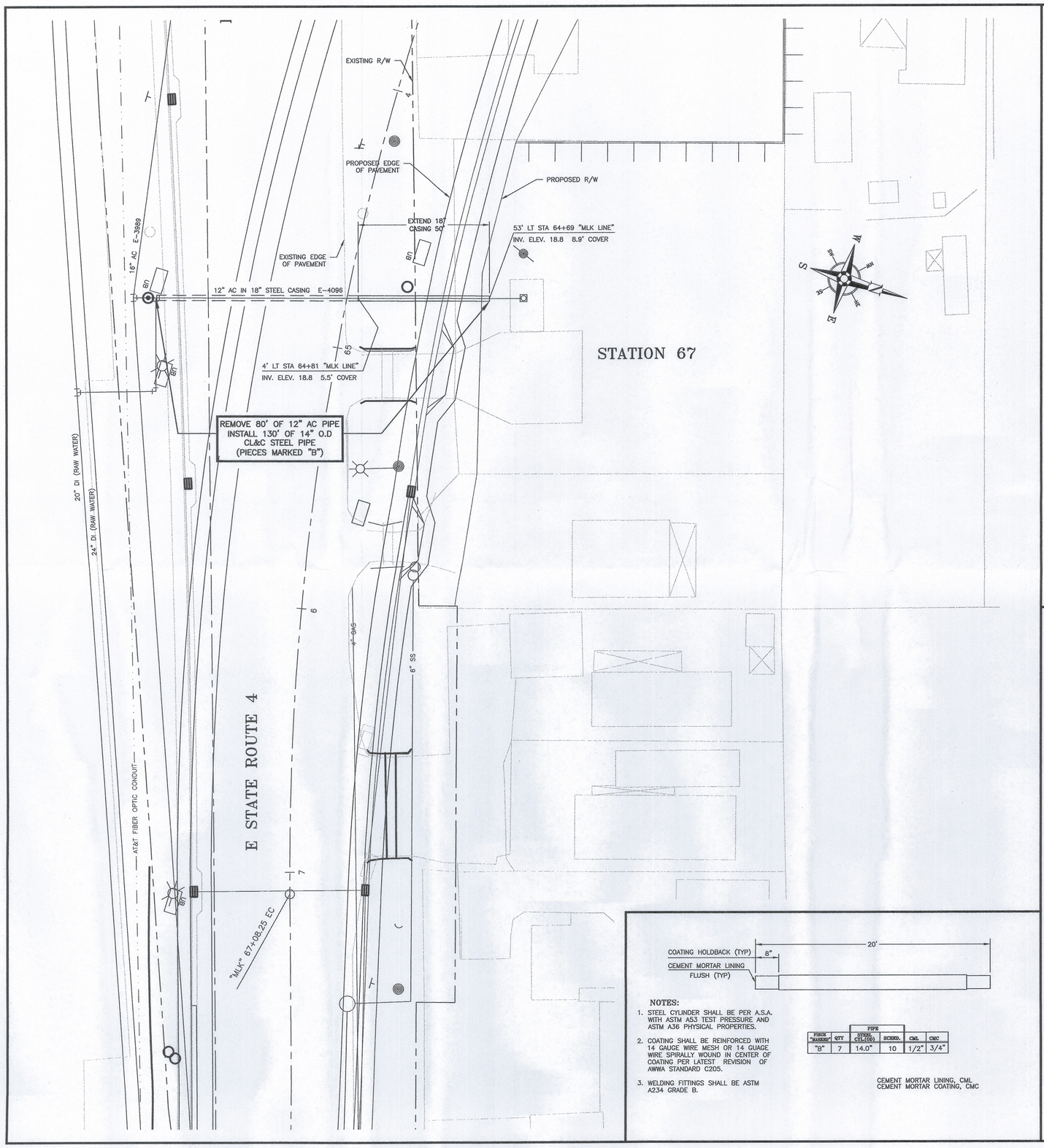




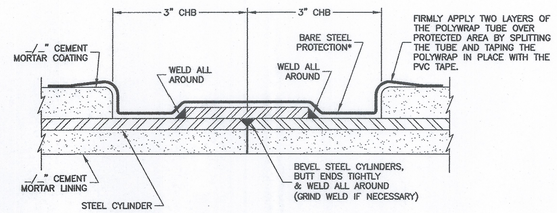


**NOTES:**

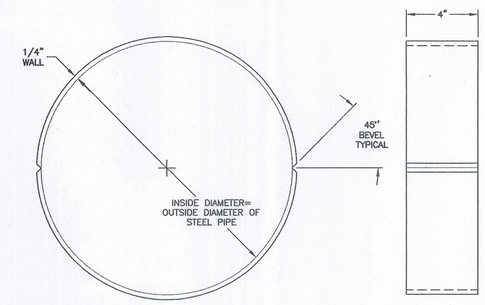
1. STEEL CYLINDER SHALL BE PER A.S.A. WITH ASTM A53 TEST PRESSURE AND ASTM A36 PHYSICAL PROPERTIES.
2. COATING SHALL BE REINFORCED WITH 14 GAUGE WIRE MESH OR 14 GUAGE WIRE SPIRALLY WOUND IN CENTER OF COATING PER LATEST REVISION OF AWWA STANDARD C205.
3. WELDING FITTINGS SHALL BE ASTM A234 GRADE B.

| PIECE "MARKED" | QTY | PIPE STEEL CYL.(OD) | PIPE SCHED. | CML | CMC |
|---|---|---|---|---|---|
| "B" | 7 | 14.0" | 10 | 1/2" | 3/4" |

CEMENT MORTAR LINING, CML
CEMENT MORTAR COATING, CMC



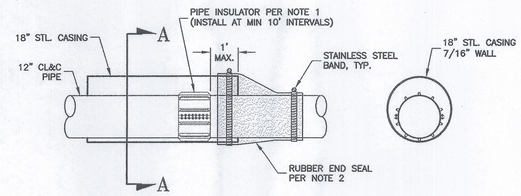

## COATING DETAIL
## BELOW GROUND BUTT STRAPS
N.T.S.




NOTE:
STEEL SPLIT BUTT STRAP FOR:

18" OD STEEL PIPE
14" OD STEEL PIPE
6.63" OD STEEL PIPE

## STEEL SPLIT BUTT STRAP
N.T.S.




## PIPE SUPPORTS IN CONDUIT

### NOTES

1. PIPE INSULATORS TO BE FOR ____" O.D. PIPE BY _____" 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.

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: 1" = 20'
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 6 OF 8

DS-12-02533