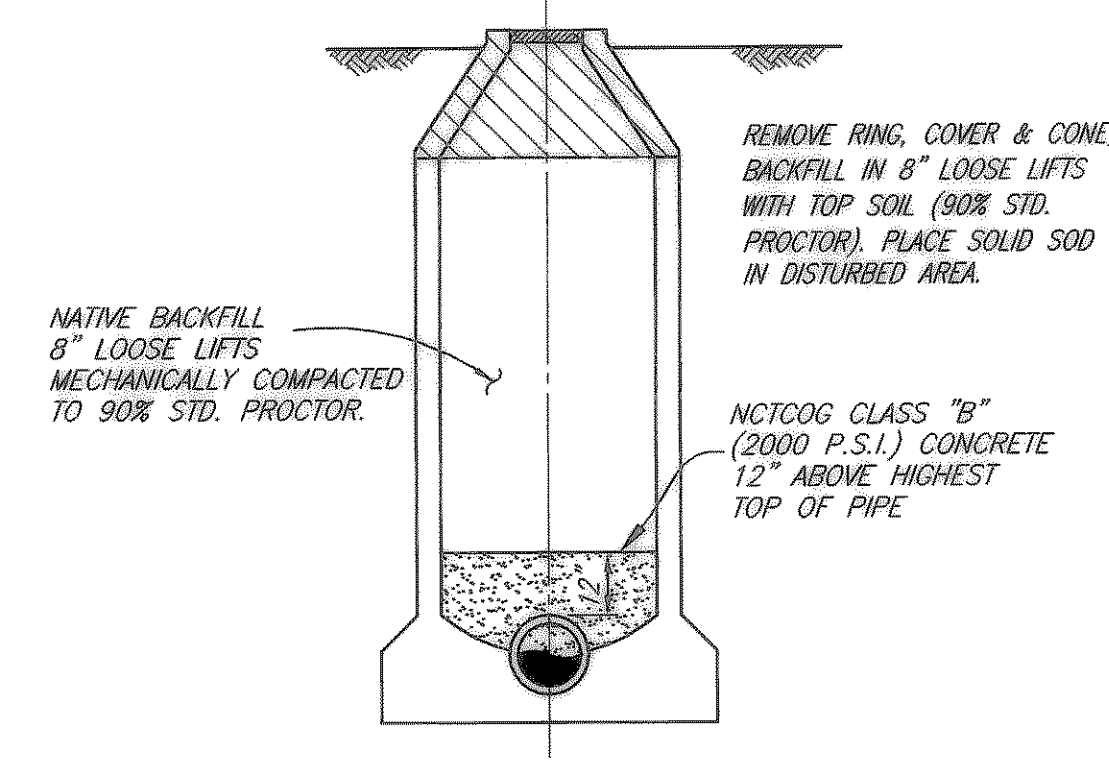
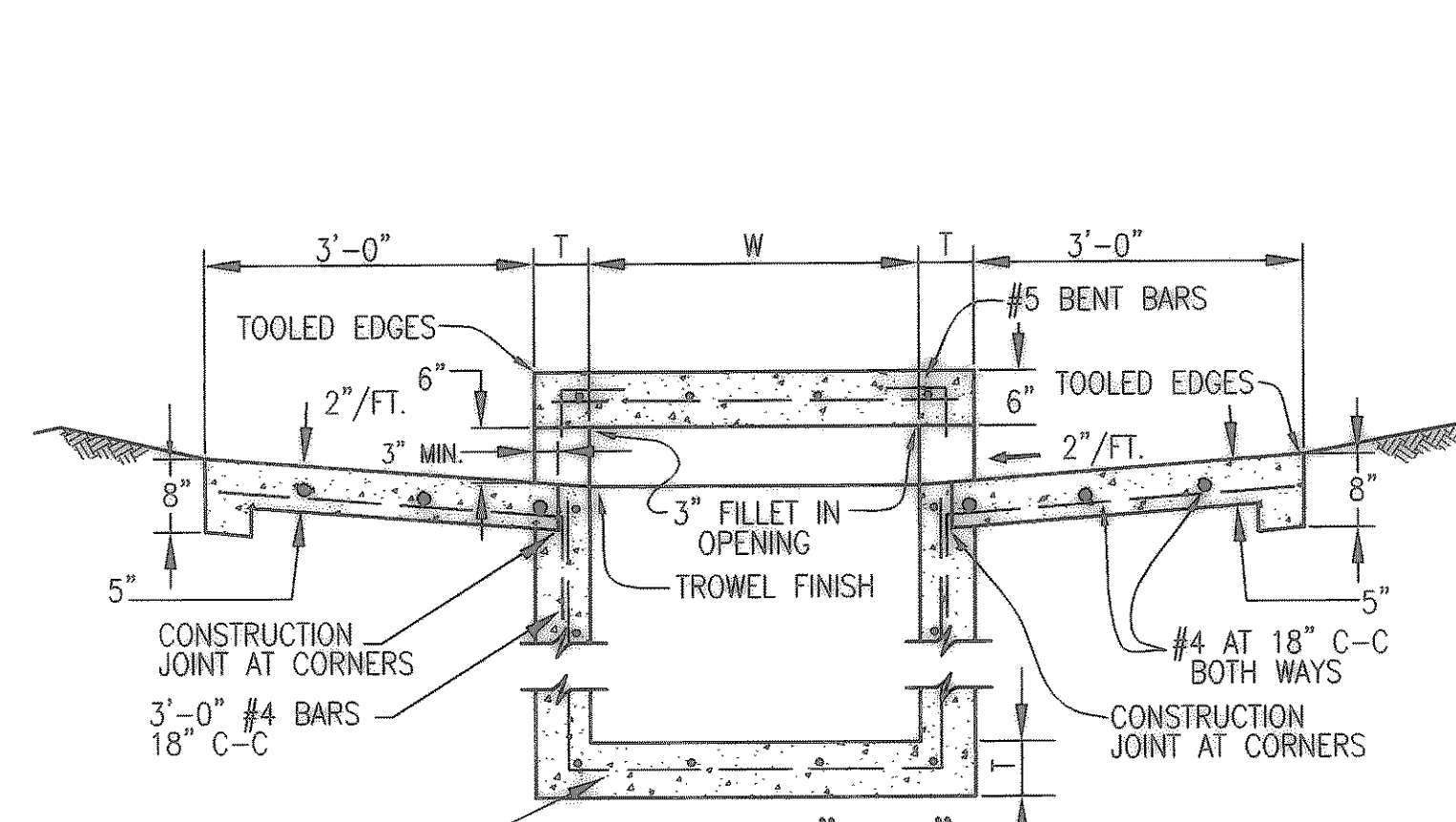
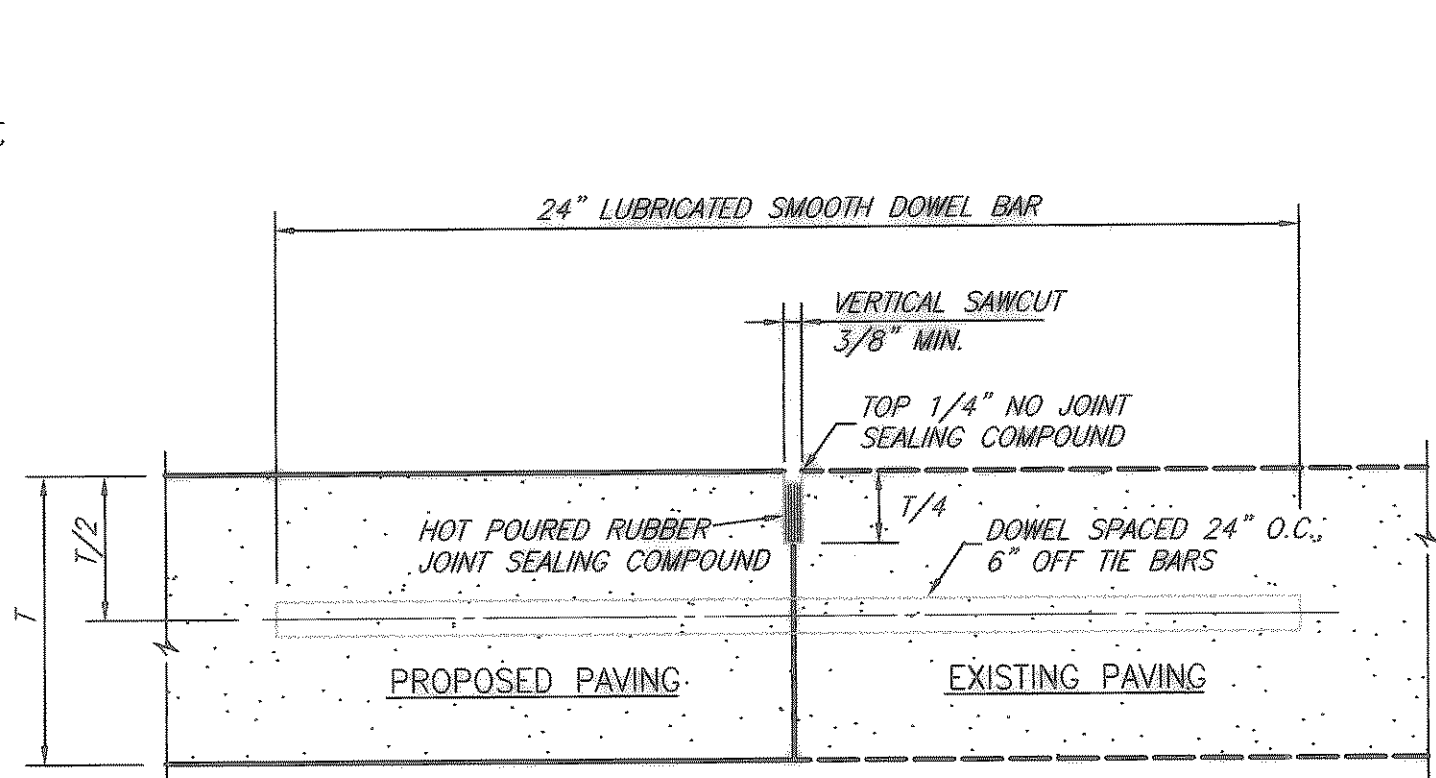


SCALE: 1"=20'
H:\ROCKWALL\2003120\PLAN-SHEETS\2003120-MISC-DETAILS.DWG
10/11/04 CAG

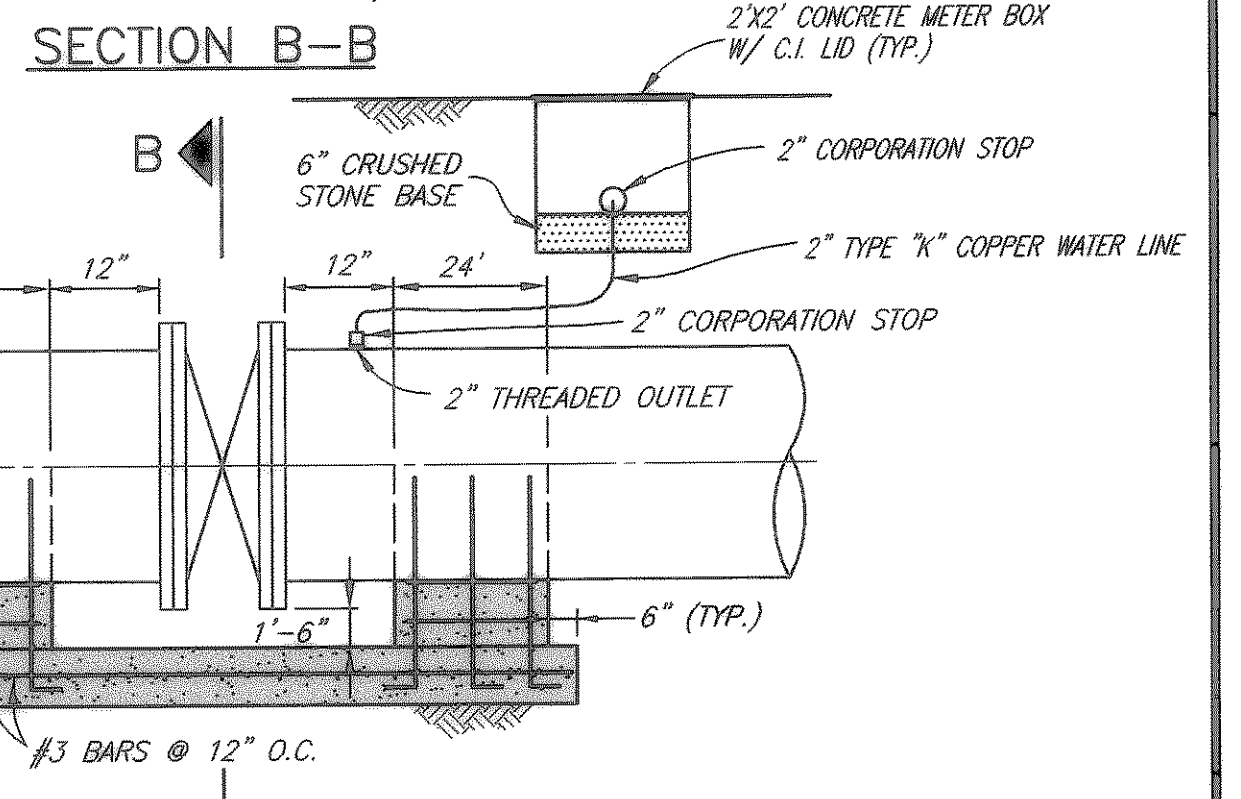
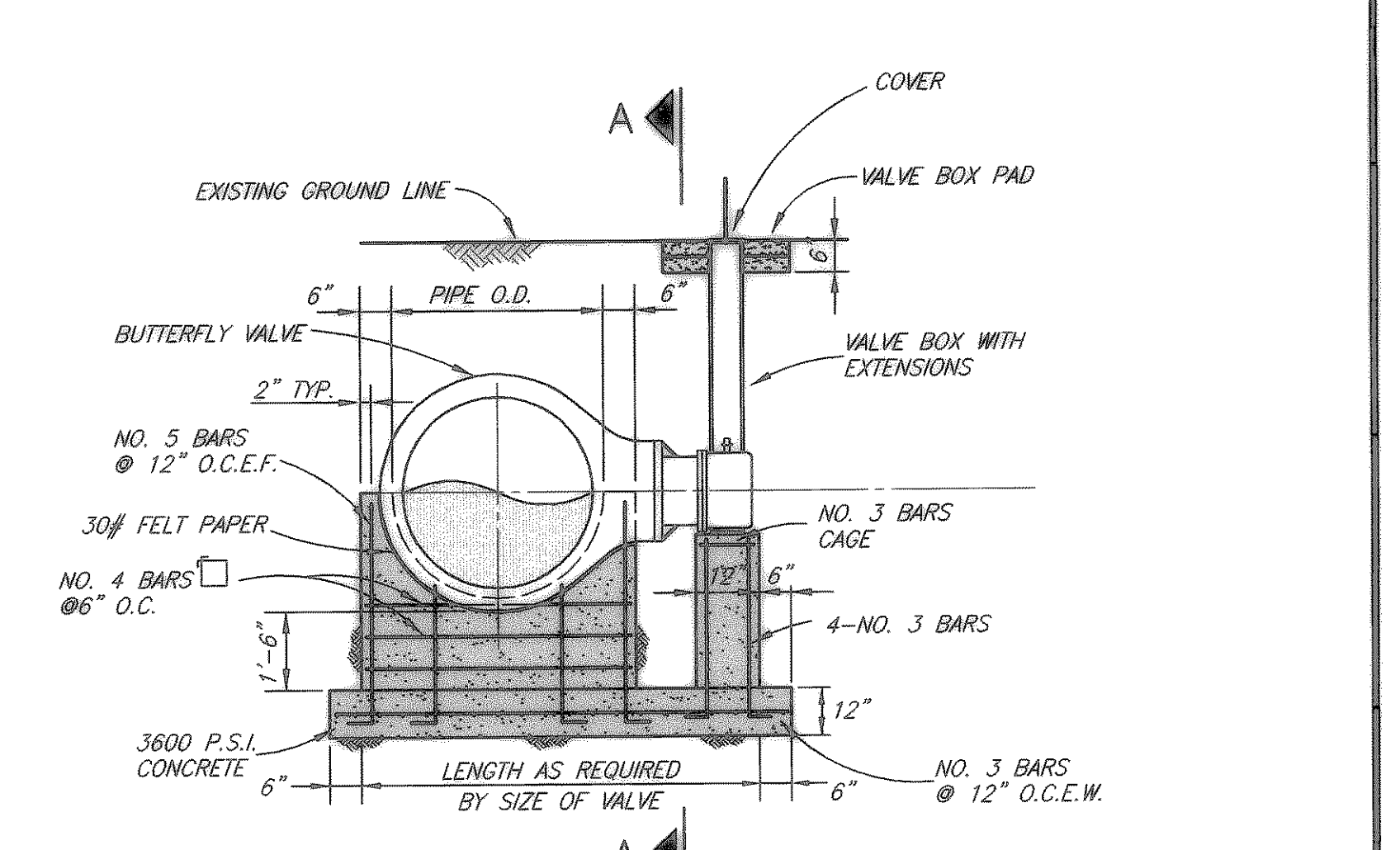


MANHOLE ABANDONMENT
OUTSIDE PAVEMENT AREA



- NOTE:
1. T-8" AND GREATER NO. 6 BAR, T-6" AND LESS NO. 5 BAR
 2. LONGITUDINAL BUTT CONSTRUCTION MAY BE UTILIZED IN PLACE OF LONGITUDINAL HINGED (KEYWAY) JOINT AT CONTRACTORS OPTION.
 3. DOWEL BARS SHALL BE DRILLED INTO PAVEMENT HORIZONTALLY BY USE OF A MECHANICAL RIG. HAND DRILLING NOT ACCEPTABLE. DAMAGE TO EXISTING PAVEMENT SHALL BE REMOVED BY CONTRACTOR AND JOINT CONSTRUCTED AT CONTRACTORS EXPENSE.
 4. DOWEL BAR SHOWN IS IN ADDITION TO TIE BARS (12" O.C.-6" OFF DOWELS).
 5. TIE BARS SHALL BE NO. 5 BAR DEFORMED. TIE BAR SHALL HAVE A LENGTH OF 24 INCHES. TIE BARS ARE REQUIRED TO BE DEFORMED.

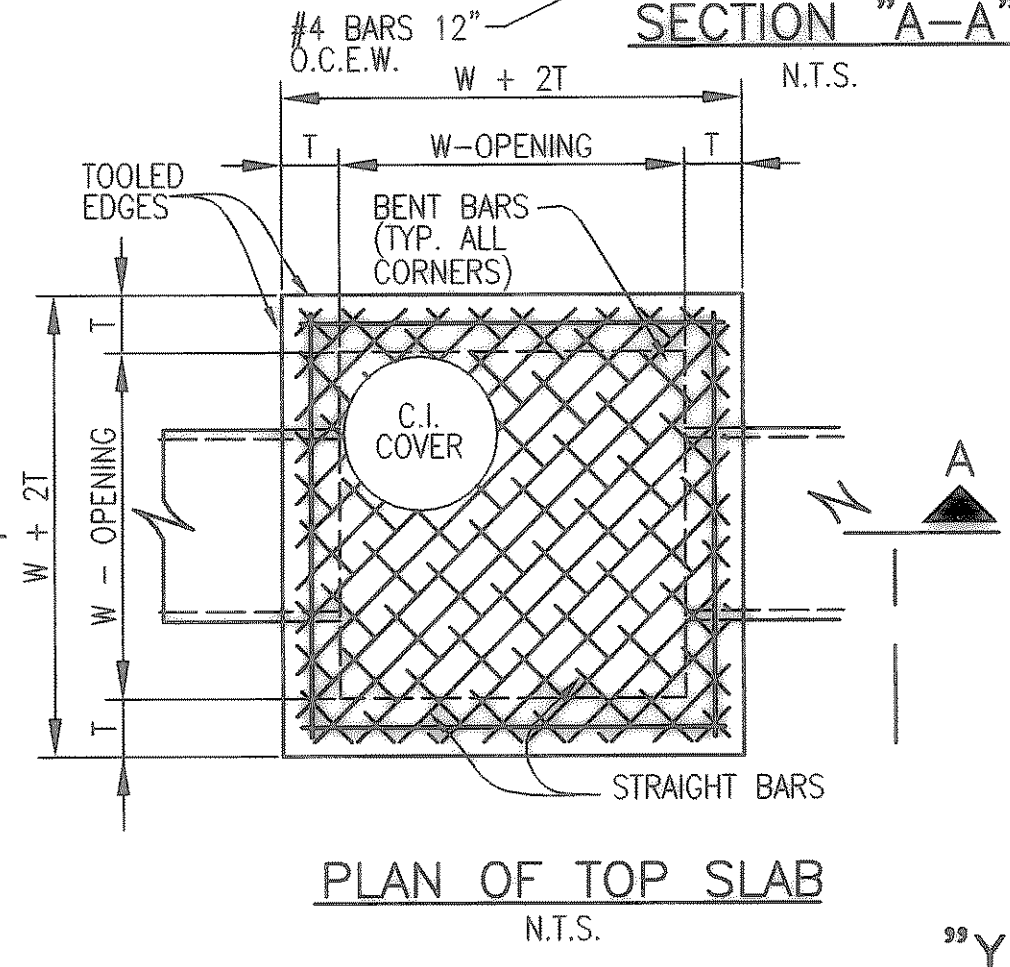
LONGITUDINAL BUTT JOINT



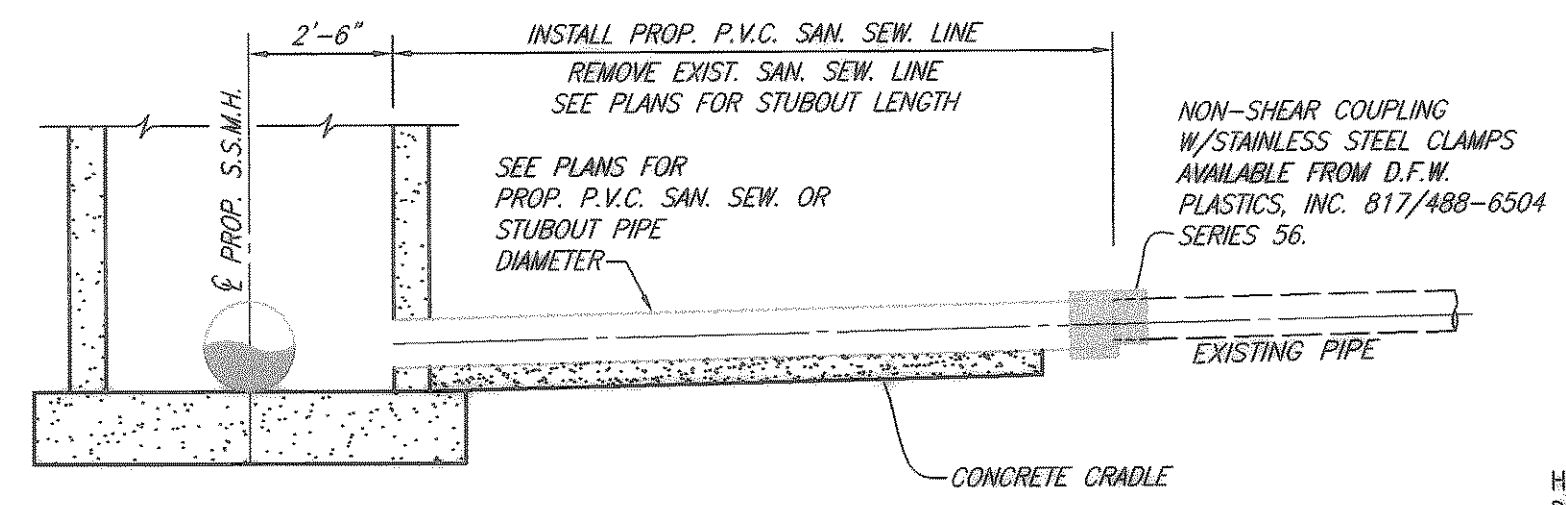
BUTTERFLY VALVE INSTALLATION

- NOTES
1. MATERIAL AND WORKMANSHIP SHALL CONFORM WITH THE REQUIREMENTS OF NCTCOG STANDARD SPECIFICATIONS FOR STANDARD CONCRETE MANHOLES, MINIMUM CLASS "A" CONCRETE.
 2. LAYERS OF REINFORCING STEEL NEAREST THE INTERIOR AND EXTERIOR SURFACES SHALL HAVE A COVER OF 2" TO THE CENTER BARS, UNLESS OTHERWISE NOTED.
 3. DEPTH OF DROP INLET FROM FINISHED GRADE TO FLOW LINE OF INLET IS VARIABLE. APPROXIMATE DEPTH WILL BE SHOWN ON PLANS AT LOCATION OF INLET.
 4. ALL STANDARD DROP INLETS SHALL HAVE ONE OPENING ON EACH SIDE UNLESS OTHERWISE SHOWN ON PLANS.

INLET SIZE	T	W
2' SQUARE	7"	2'-0"
3' SQUARE	7"	3'-0"
4' SQUARE	7"	4'-0"
5' SQUARE	8"	5'-0"
6' SQUARE	9"	6'-0"

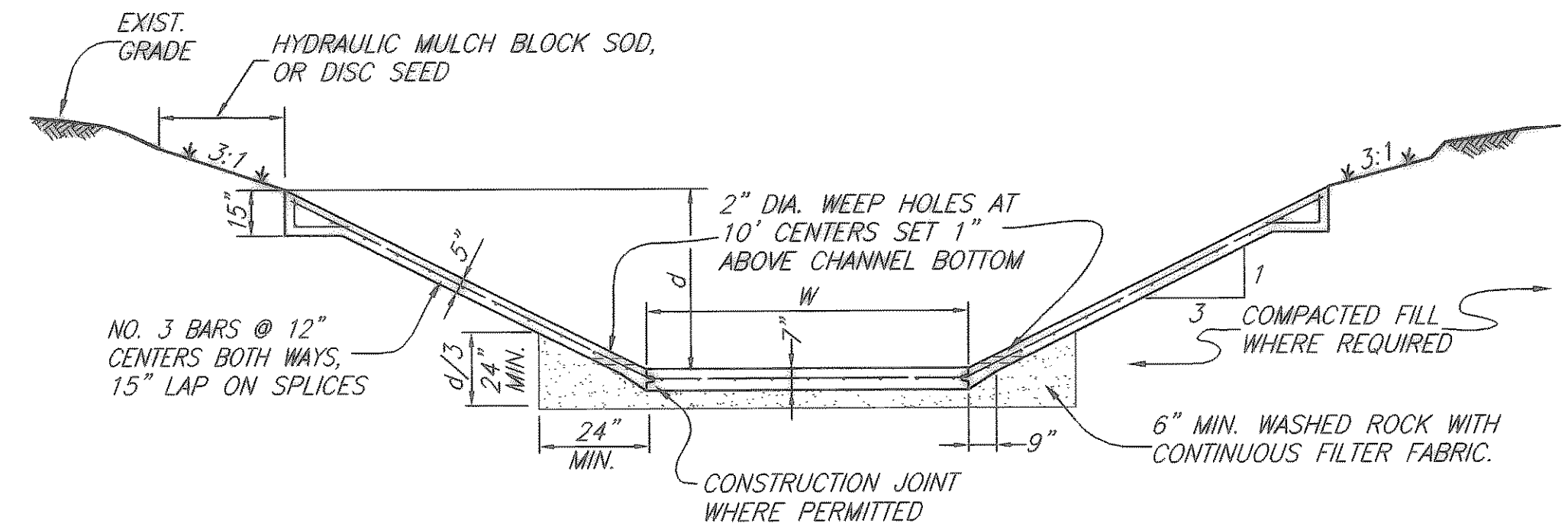


INLET DETAILS

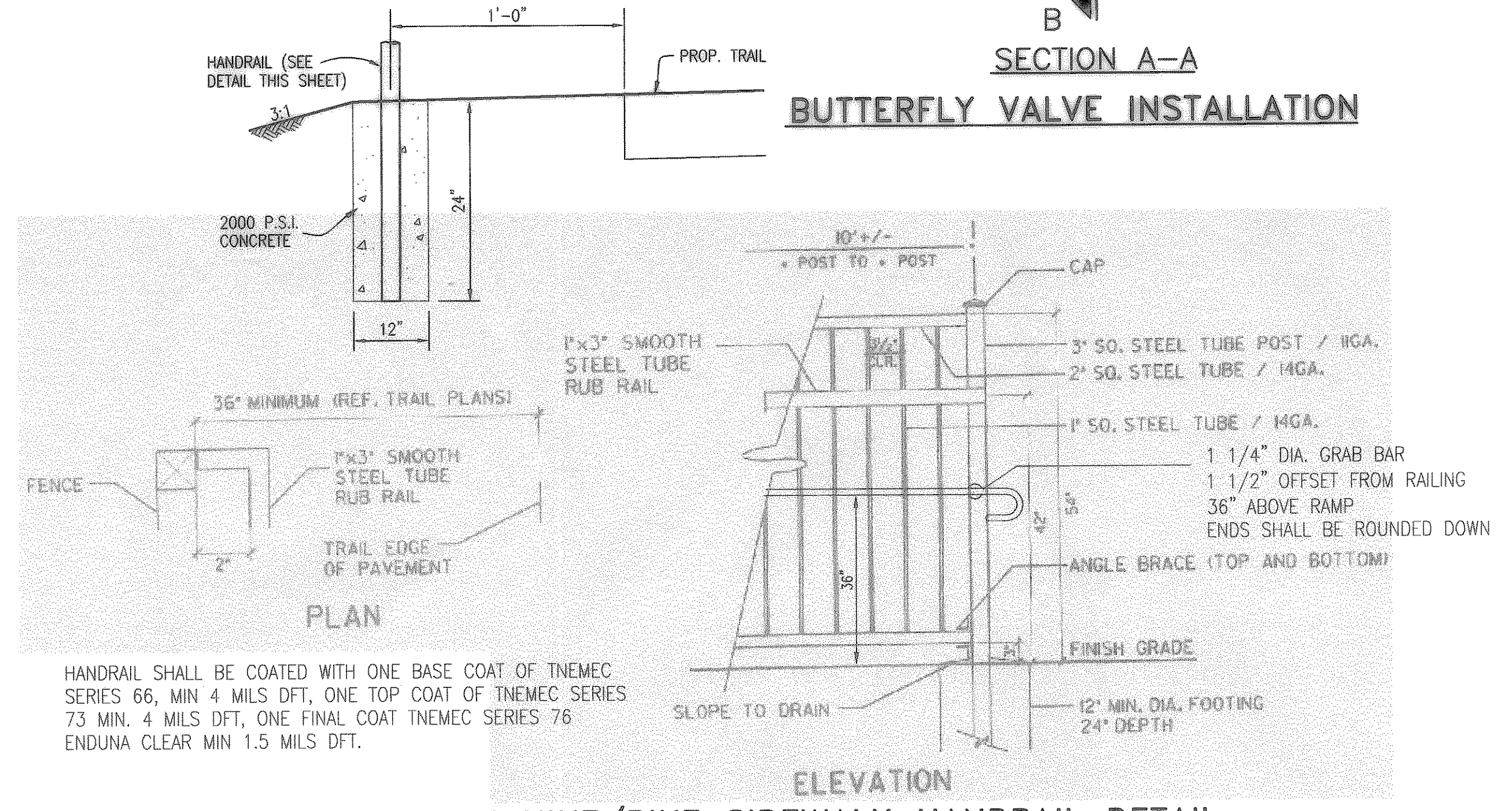


STUBOUT CONNECTION

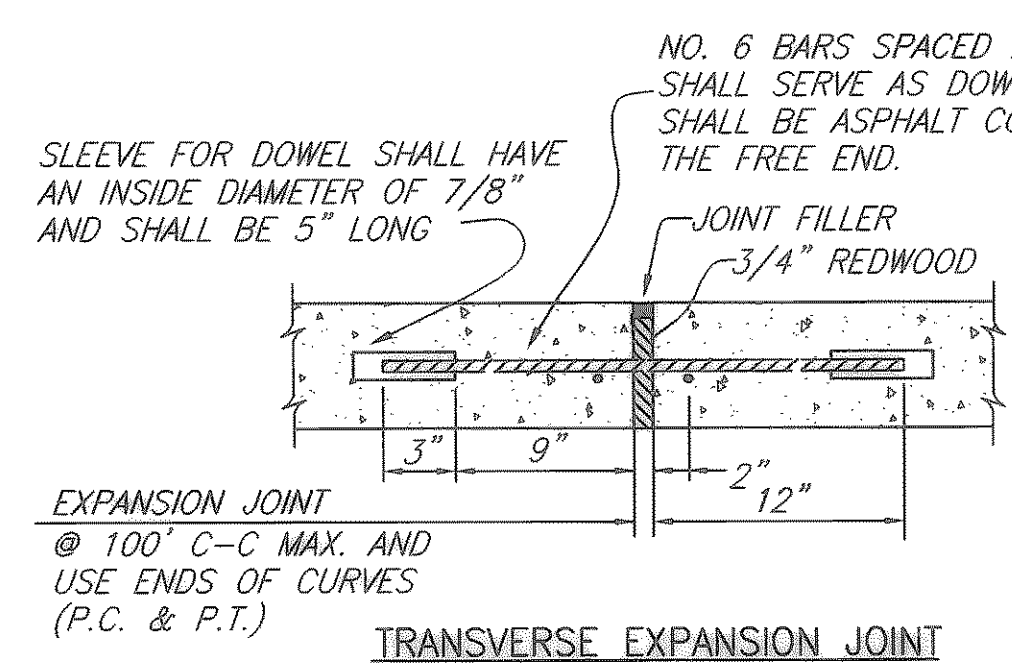
- CHANNEL NOTES:
1. WASHED ROCK SHALL BE GAP GRADE 1 1/2".
 2. CONCRETE SHALL BE CLASS "A" (MIN. 3000 P.S.I.).
 3. FILL AREA SHALL BE COMPACTED TO 95% STD. PROCTOR DENSITY AT OPTIMUM MOISTURE CONTENT PRIOR TO CHANNEL EXCAVATION.
 4. WEEP HOLES CORE DRILL OR FORM WEEP HOLES.
 5. CONSTRUCTION JOINT SHOWN FOR CONVENIENCE ONLY. MONOLITHIC CONSTRUCTION MAY BE USED.
 6. ALL VISIBLE SURFACES SHALL BE TROWEL FINISHED.
 7. CONCRETE FOOTING SHALL BE CONSTRUCTED AT THE BEGINNING AND THE END OF CONCRETE CHANNEL.



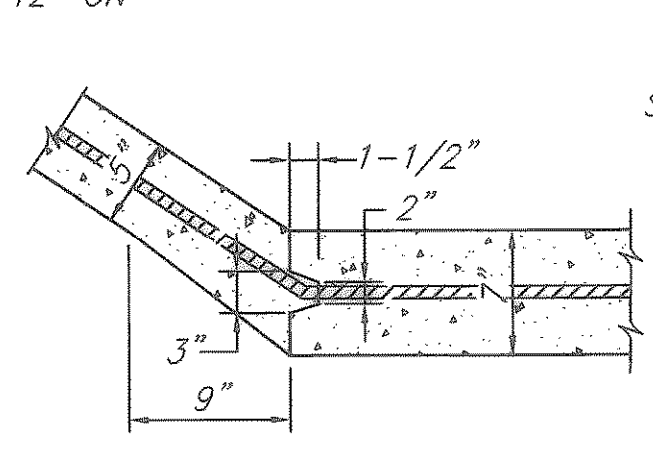
TYPICAL REINFORCED CONCRETE CHANNEL DETAIL



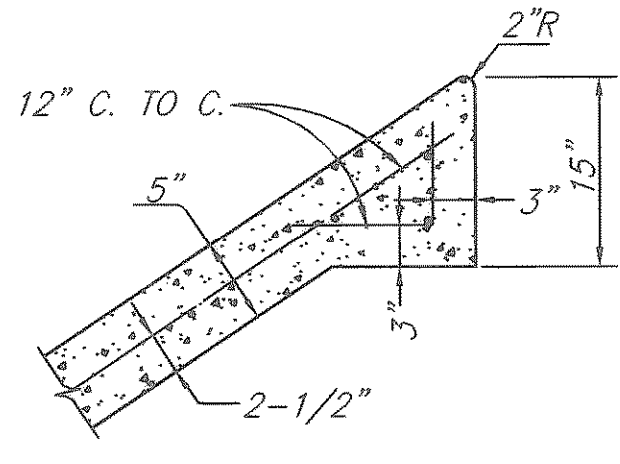
INTERURBAN HIKE/BIKE SIDEWALK HANDRAIL DETAIL



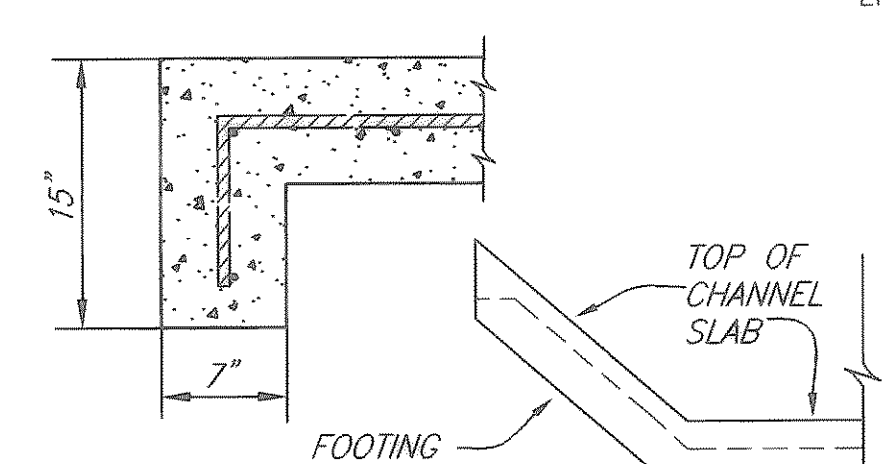
TRANSVERSE EXPANSION JOINT



CONSTRUCTION JOINT
OPTIONAL



SLAB EDGE DETAIL

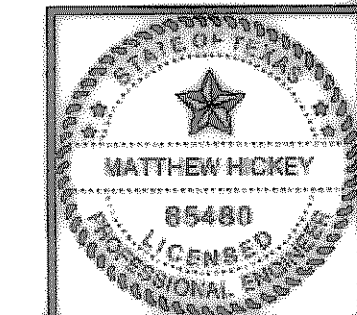


FOOTING DETAIL

CONCRETE CHANNEL DETAIL

REVISED TO CONFORM TO CONSTRUCTION RECORDS
BY M.H. DATE 12/04/2006

THESE DOCUMENTS ARE FOR BIDDING, CONSTRUCTION, AND PERMIT PURPOSES.
DATE: 10/12/04



CITY OF ROCKWALL, TEXAS

CLARK STREET
MISCELLANEOUS DETAILS

BIRKHOFF, HENDRICKS & CONWAY, L.L.P.
CONSULTING ENGINEERS
Dallas, Texas

DESIGNED BY: M.H.	PROJECT: 2003-120	SHEET NO. 160
DRAWN BY: B.H.C.	DATE: AUGUST, 2004	OF SHEETS