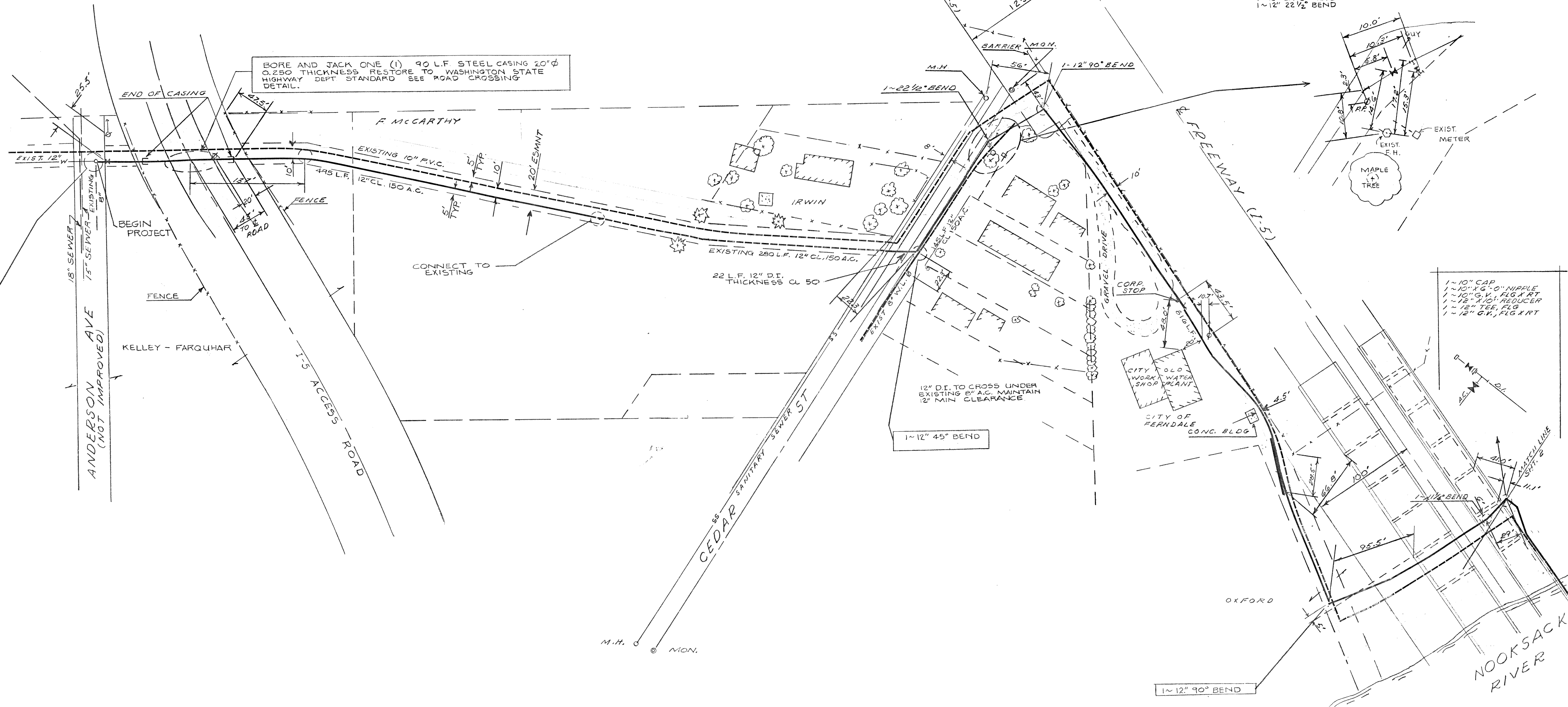
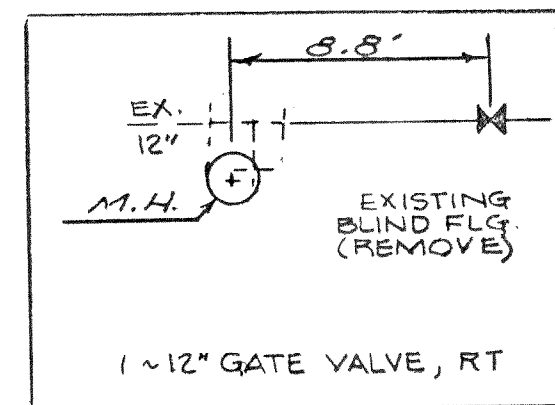
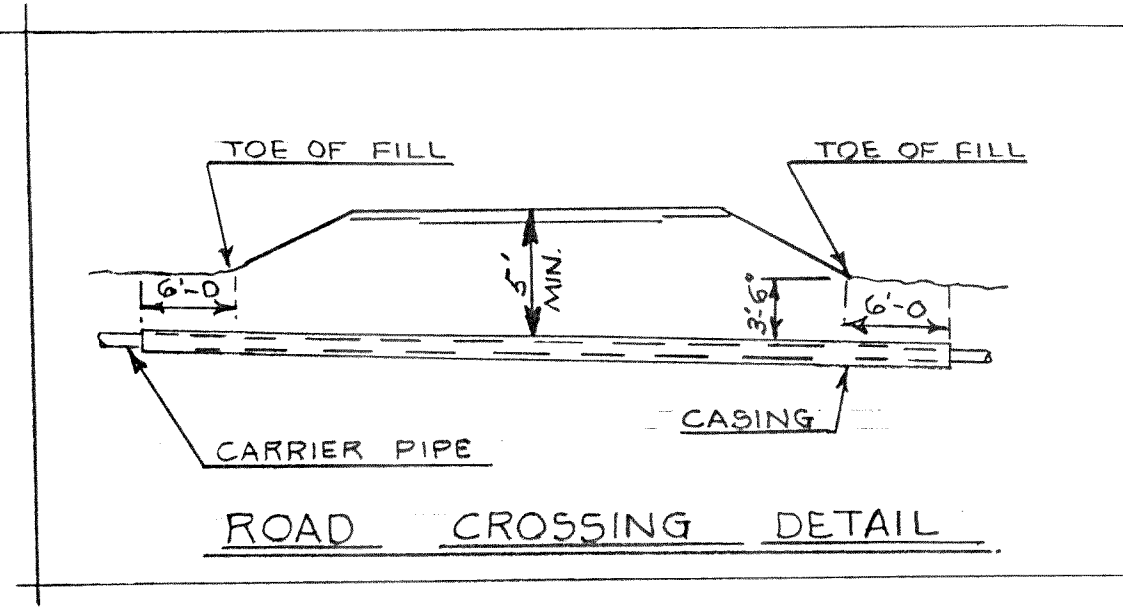






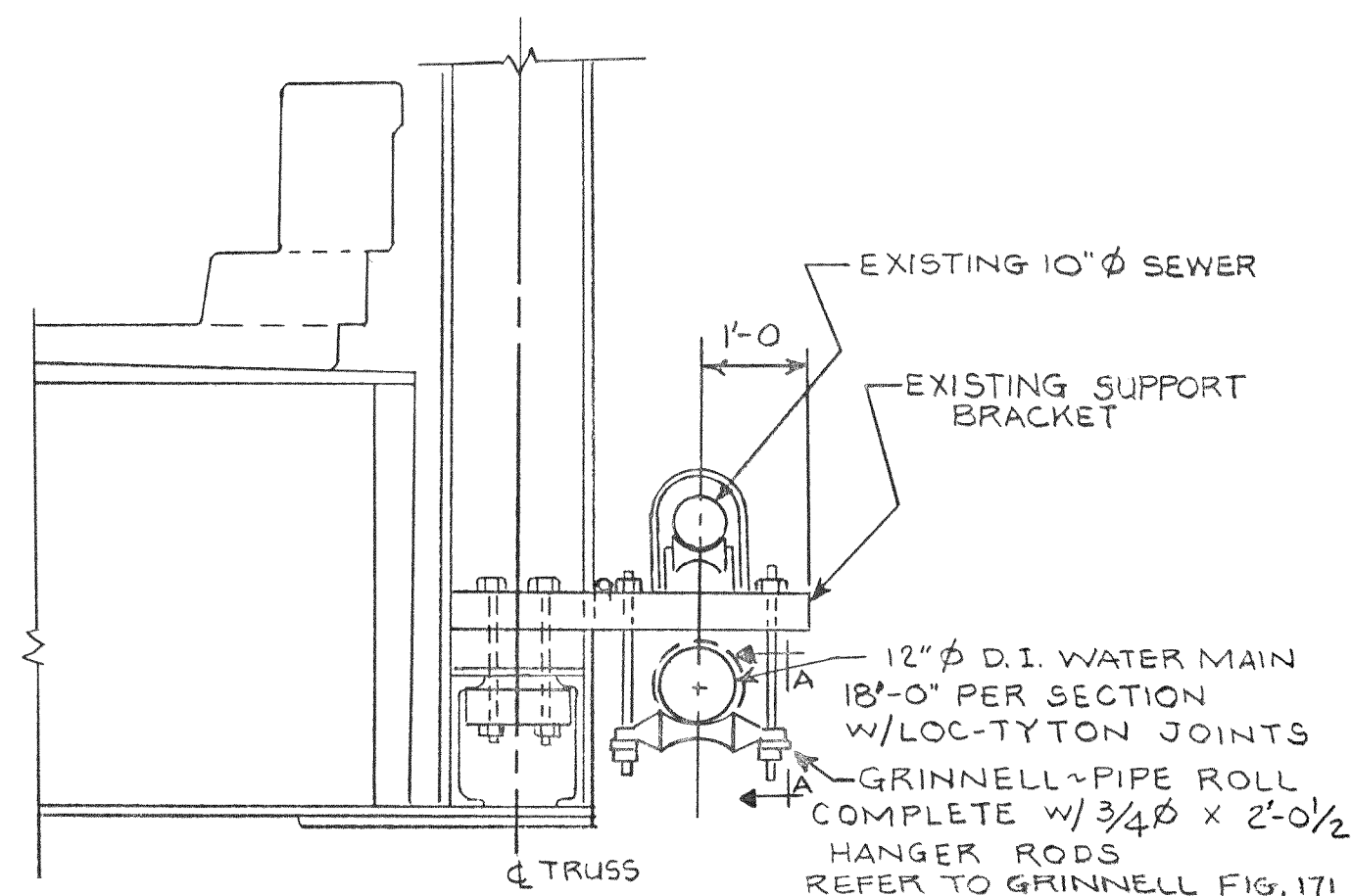
AS-BUILT

AS-BUILT

JAMES E. WILSON
STATE OF WASHINGTON
REGISTERED
ENGINEER & LAND SURVEYOR

JAMES E. WILSON & ASSOCIATES
SURVEYORS • ENGINEERS
535 DuPont 735-6100
BELLINGHAM, WASHINGTON 98225

CITY OF FERNDALDE			
SCALE: 1" = 50'		APPROVED BY:	
DATE: 4/20/77		DRAWN BY D.N.C.	
		REVISED	
WATER TRANSMISSION MAIN EAST OF FERNDALDE, WASH.			
NORTH OF NOOKSACK R.			DRAWING NUMBER 08275-1

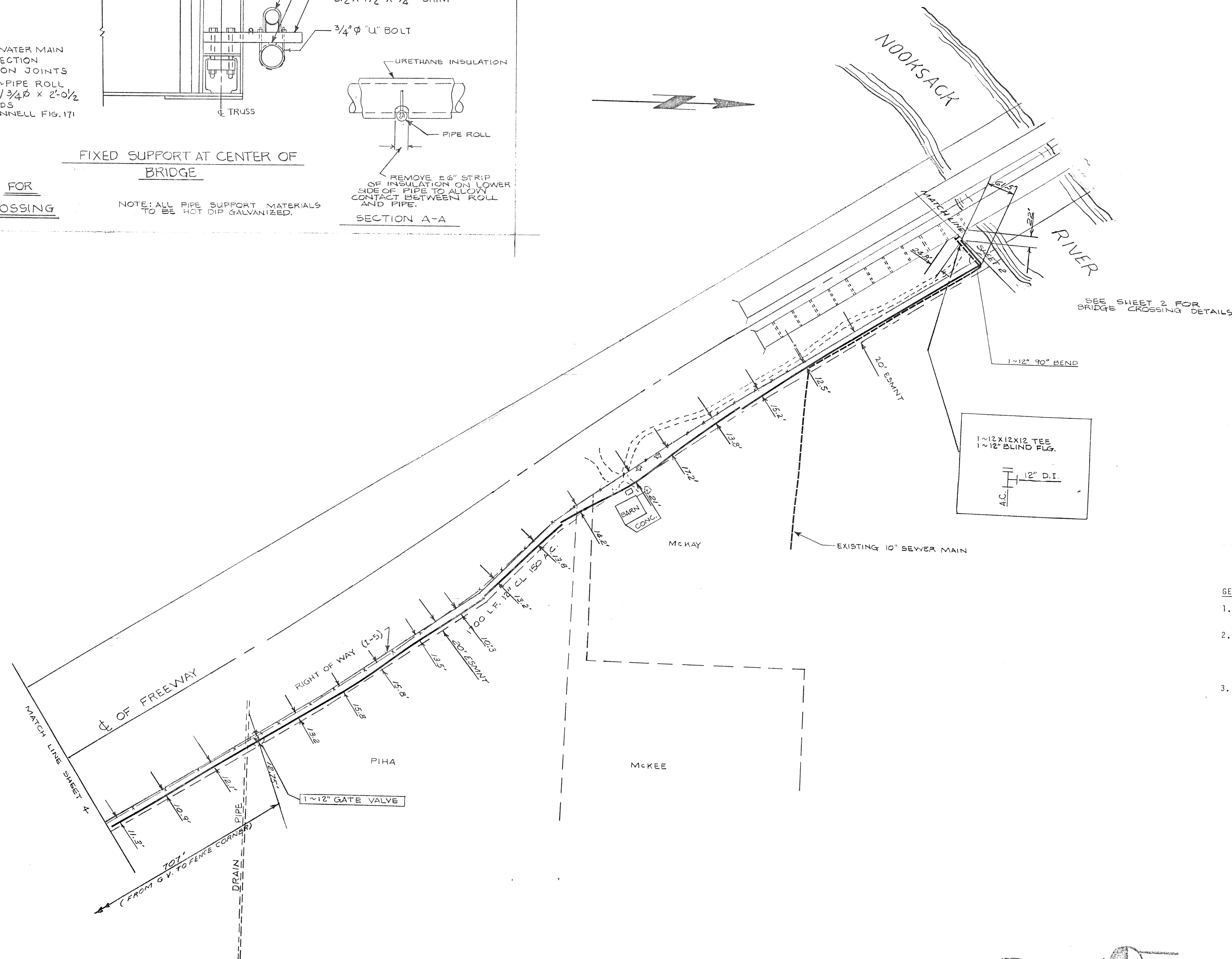
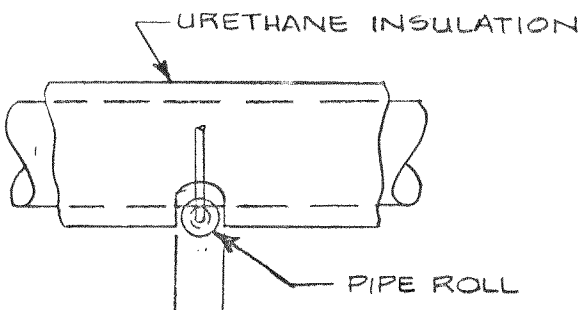
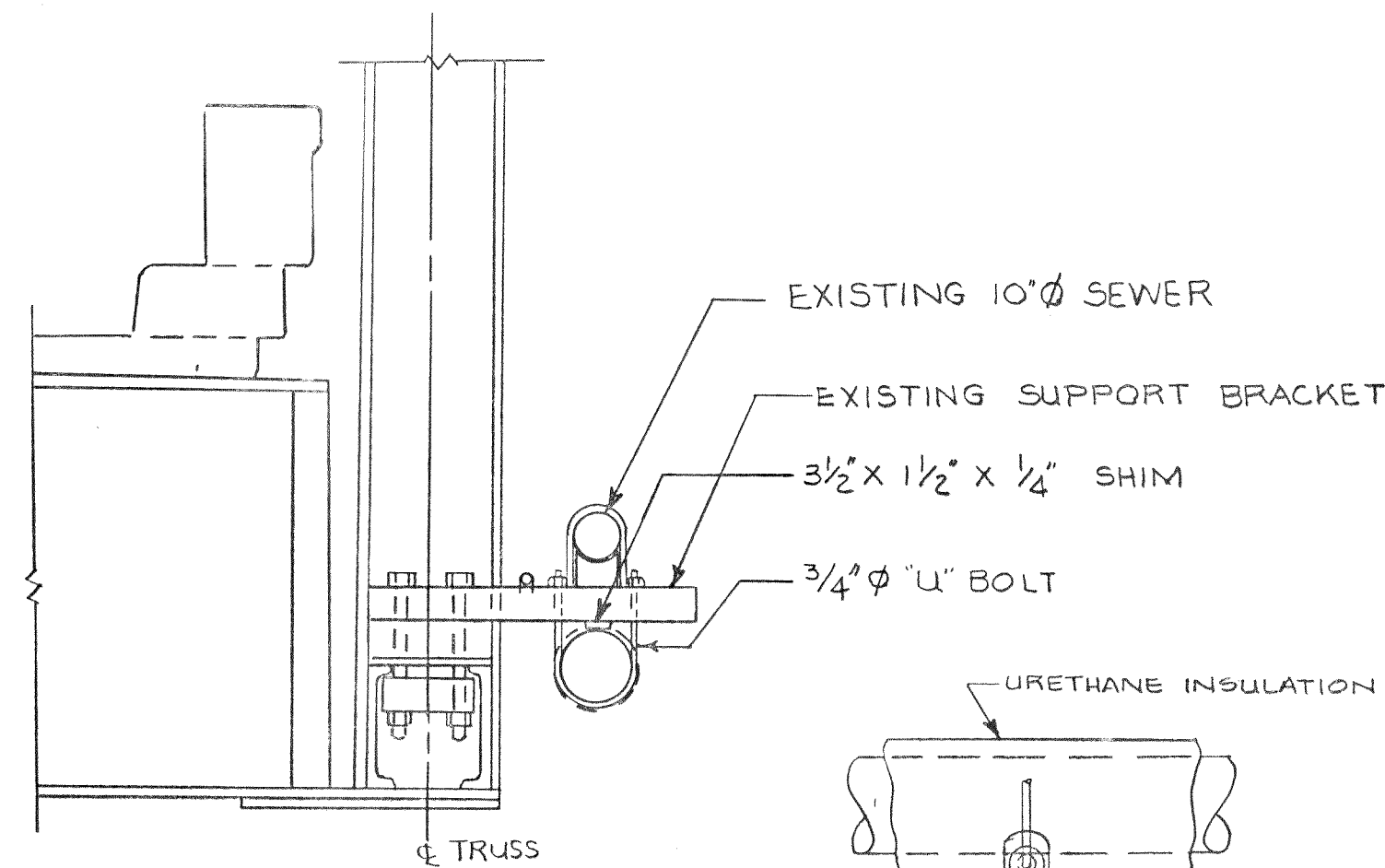


ROLLING SUPPORTS

PIPE SUPPORTS FOR
NOOKSACK RIVER CROSSING

FIXED SUPPORT AT CENTER OF
BRIDGE

NOTE: ALL PIPE SUPPORT MATERIALS
TO BE HOT DIP GALVANIZED.



GENERAL NOTES

1. CONTRACTOR SHALL CONTACT UTILITY LOCATION SERVICE AT 734-2140 24 HOURS IN ADVANCE OF WORK.
2. CONTRACTOR SHALL PROVIDE ENGINEER WITH "AS BUILT" PRINTS. ALIGNMENT OF THE WATER MAIN, TOGETHER WITH CROSSINGS OF OTHER UTILITIES SHALL BE NOTED. MEASUREMENTS SHALL BE TAKEN FROM EXISTING MONUMENTS, MANHOLE COVERS, PROPERTY CORNERS, ETC.
3. CONTRACTOR SHALL RESTORE LAWNS, FENCES, GRAVEL, ASPHALT AND CONCRETE DRIVEWAYS, ROADS, ETC. TOGETHER WITH ALL OTHER SURFACE AND SUBSURFACE IMPROVEMENTS THAT ARE AFFECTED BY HIS CONSTRUCTION OF THE IMPROVEMENT ON BOTH PRIVATE AND PUBLIC PROPERTY WITHIN A 30 DAY PERIOD AFTER INITIAL DISTURBANCE.

AS-BUILT

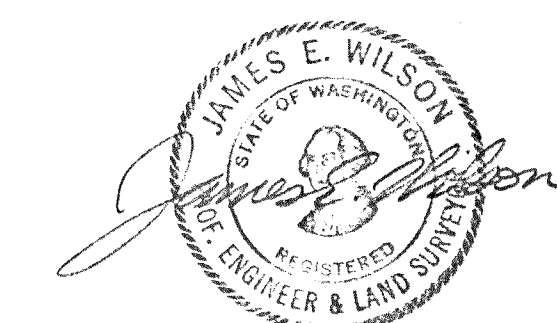
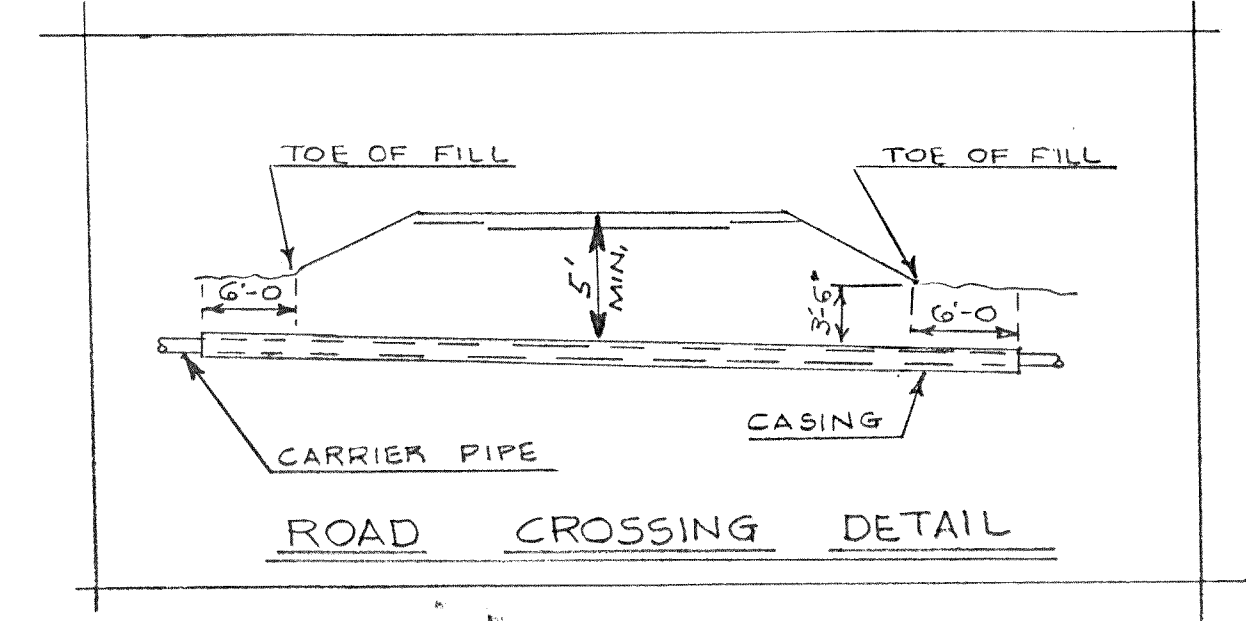
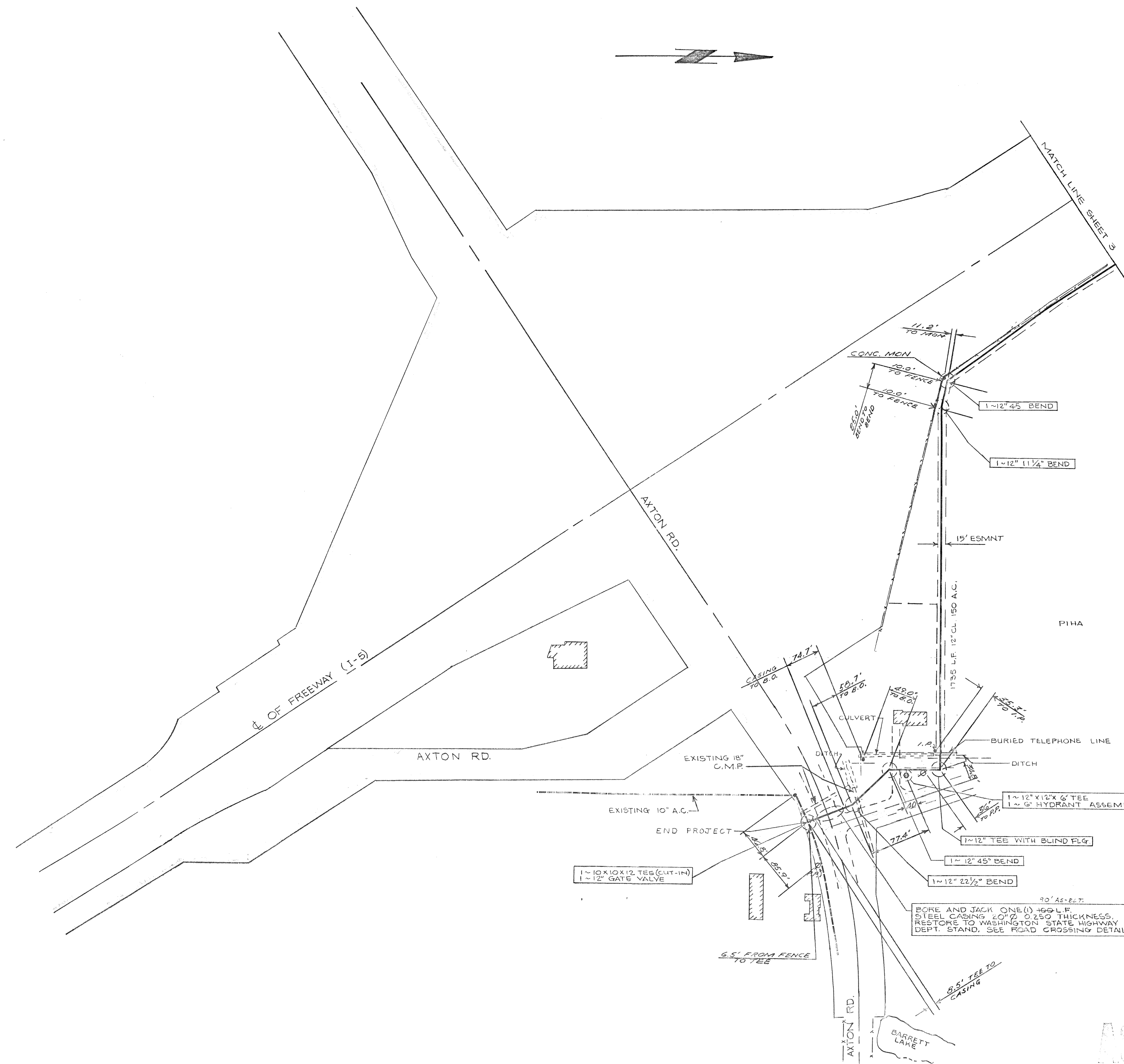
AS-BUILT

CITY OF FERDALE

SCALE: 1" = 100'	APPROVED BY:	DRAWN BY: DNG
DATE: 4/20/77		REVISED:
WATER TRANSMISSION MAIN EAST OF FERDALE, WASH.		
SOUTH OF NOOKSACK R.		DRAWING NUMBER 08275-34



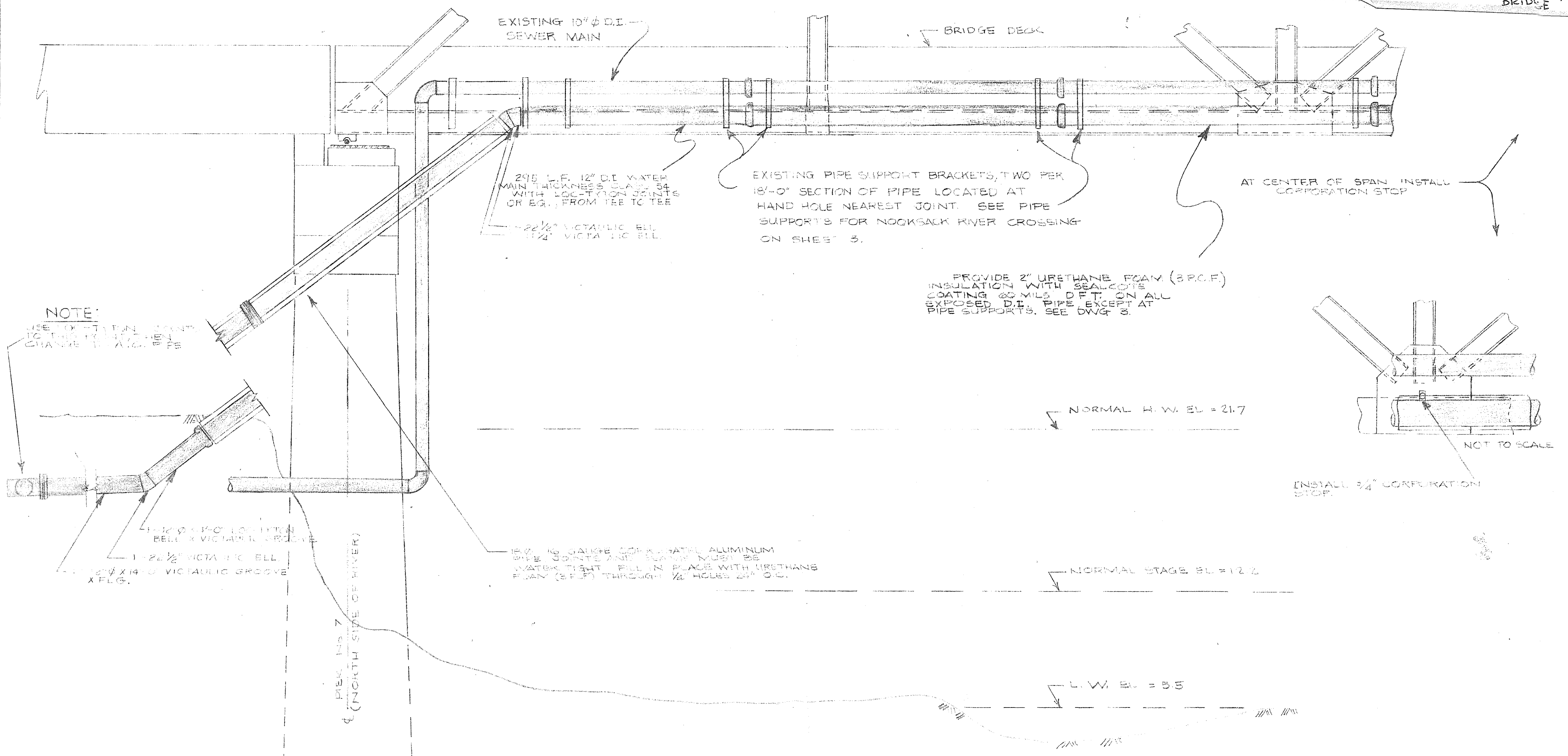
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BELLINGHAM, WASHINGTON 98225

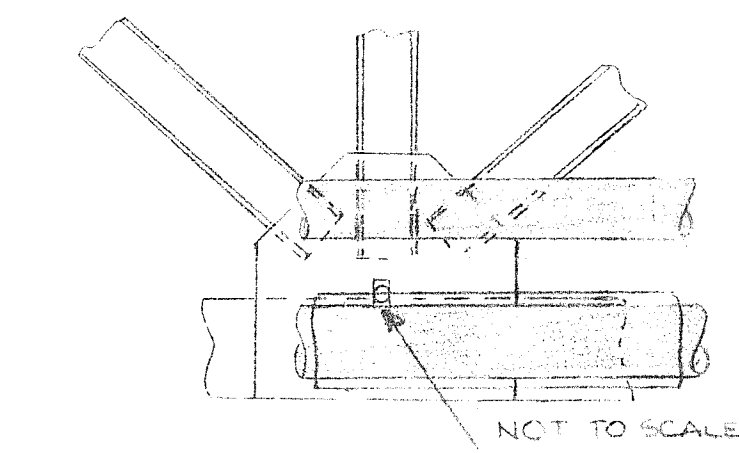
CITY OF FERNDALE			
SCALE: 1" = 100'	APPROVED BY:		DRAWN BY DMC
DATE: 4/20/77			REVISED
WATER TRANSMISSION MAIN EAST OF FERNDALE, WASH.			
AXTON ROAD CROSSING			DRAWING NUMBER 08275-44

AS BUILT



NOTE:
USE LOCATION POINT
TO THIS POINT, AND
CHANGE TO A.C. 100 FE

PROVIDE 2" URETHANE FOAM (3 P.C.F.)
INSULATION WITH SEALCOAT
COATING 60 MILS. D.F.T. ON ALL
EXPOSED D.I. PIPE EXCEPT AT
PIPE SUPPORTS. SEE DWG 3.



INSTALL 24" CORPORATION
STOP.

NOTE
PIER 6 SIMILAR ONLY TURNED
180 DEGREES

James E. Walker
LAWSON & ASSOCIATES
ENGINEERS & ARCHITECTS
2020 1st Ave. S.W.
SEASIDE, WASHINGTON 98225

PROFILE PIER No. 8
1/4" = 1'-0"

CITY OF FERNDALE		
SCALE: 1/4" = 1'-0"	APPROVED BY:	DRAWN BY DNC
DATE: 4/20/77		REVISED
WATER TRANSMISSION MAIN EAST OF FERNDALE, WASH.		
NOOKSACK RIVER CROSSING		DRAWING NUMBER 08275-2/4

AS-BUILT

PROFILE PIER No 8
1/4" = 1'-0"

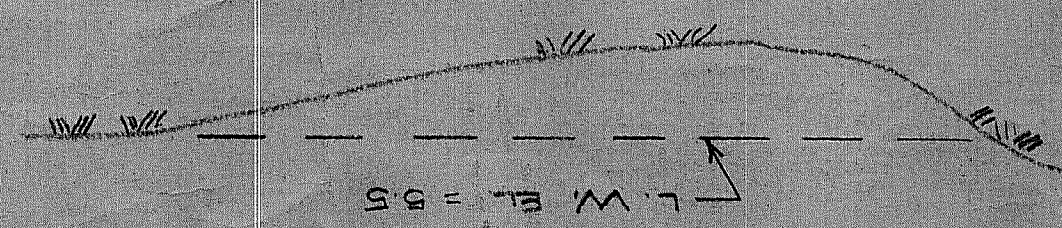
AS-BUILT

CITY OF FERNDALE	
DATE: 4/20/77	SCALE: 1/4" = 1'-0"
APPROVED BY:	DRAWN BY DMC
WATER TRANSMISSION MAIN EAST OF FERNDALE, WASH	
DRAWING NUMBER 08275-2/4	

JAMES E. WILSON & ASSOCIATES
SURVEYORS • ENGINEERS
805 Dupont
733-6100
BILLYMURRAY, WASHINGTON 98225



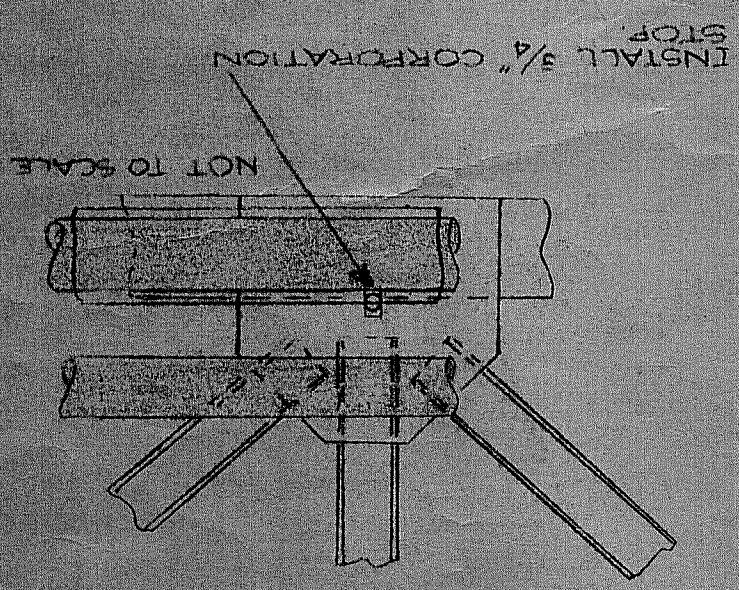
NOTE
PIER 8 SIMILAR ONLY TURNED
180 DEGREES



15# 1/2 GAUGE CORRUGATED ALUMINUM
PIPE JOINTS AND SEALS MUST BE
WATER TIGHT FILL IN PLACE WITH URETHANE
FOAM (3P.C.F.) THROUGH 1/4" HOLES 24" O.C.

NORMAL STAGE EL. = 2.2

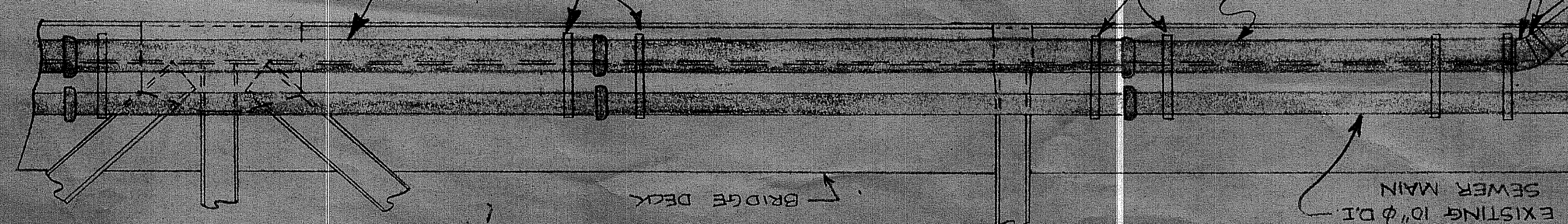
NORMAL H.W. EL. = 21.7



PROVIDE 2" URETHANE FOAM (3P.C.F.)
INSULATION WITH SEALANTS
COATING 60 MILS D.F.T. ON ALL
EXPOSED D.I. PIPE EXCEPT AT
PIPE SUPPORTS. SEE DWG. 3.

EXISTING PIPE SUPPORT BRACKETS, TWO PER
18'-0" SECTION OF PIPE LOCATED AT
HAND HOLE NEAREST JOINT. SEE PIPE
SUPPORTS FOR NOOKSACK RIVER CROSSING
ON SHEET 3.

AT CENTER OF SPAN INSTALL
AT CORROSION STOP

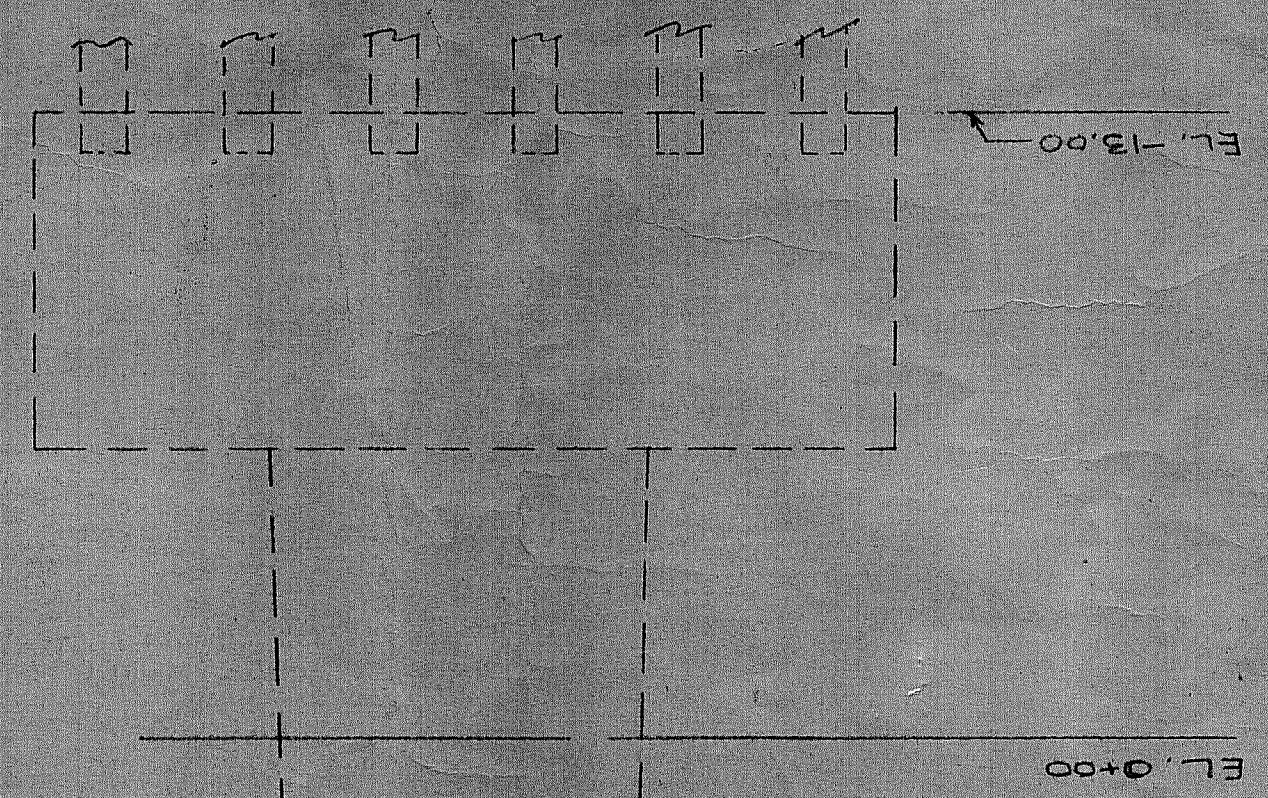


295 L.F. 12" D.I. WATER
MAIN THICKNESS CLASS 34
WITH LOG-TYPE JOINTS
OR EQ. FROM TEE TO TEE

NOTE:
USE LOCATION JOINTS
TO THIS POINT, THEN
CHANGE TO A.C. PIPE

1-12" x 14'-0" VICTAULIC GROOVE
BELL x VICTAULIC GROOVE
1-22 1/2" VICTAULIC ELL
1-12" x 14'-0" VICTAULIC GROOVE
x FLG.

PIER No 7
(NORTH SIDE OF RIVER)



WATER MAIN, I-5 #14
BRIDGE