

# CONTRACT 8W WATER MAIN EXTENSIONS

## HOWARD COUNTY METROPOLITAN COMMISSION ELLICOTT CITY SUB-DISTRICT

Revised 1-13-58 Water Main size at Rogers Avenue South, The Oaks Road, Chestnut Hill Drive changed to 12"

WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION

July 30, 1958  
DATE

CHAIRMAN

CONTRACT NO. 8W

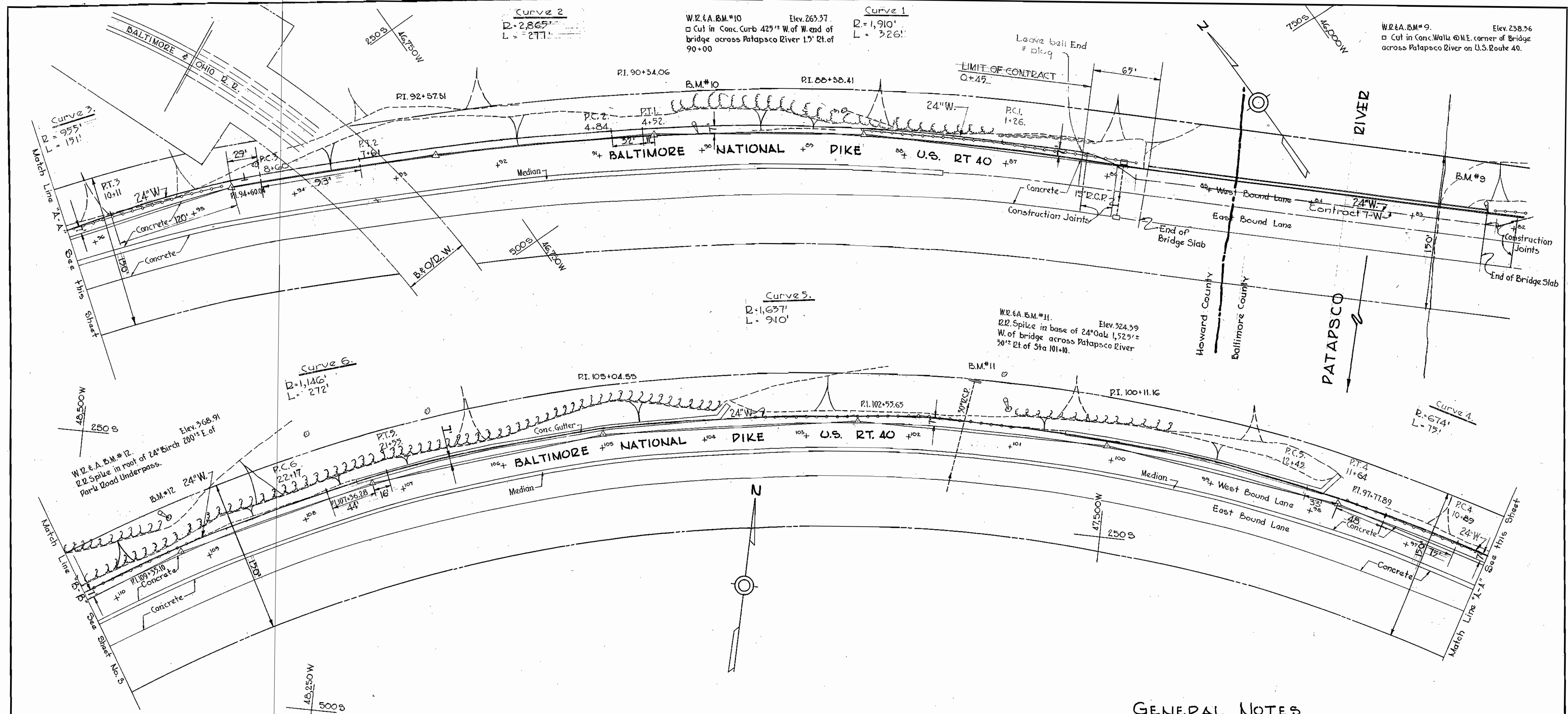
LOCATION MAP OF  
WATER MAIN EXTENSIONS

ELLICOTT CITY SUB-DISTRICT

DRAWING  
NO. 1  
OF 7

SCALE  
AS  
SHOWN

WS 8W/1



**GENERAL NOTES**

1. Approximate location of existing mains are shown. The Contractor shall take all necessary precautions to protect the existing mains and services and maintain uninterrupted supply. Any damage incurred shall be repaired immediately.
2. All pipe elevations shown are invert elevations.
3. The contractor shall locate existing utilities a minimum of two weeks in advance of construction operations in vicinity of utilities.
4. The location of all valves, fittings etc. have been located in plan and dimensions shall be strictly adhered to unless otherwise directed by the Engineer in writing.
5. All tops of Frost Casings or Fire Hydrants to be set 0.25' above edge of paving or as directed by Engineer in the field.
6. For all standard details see standards bound in specifications.
7. Block all fittings with concrete, except connections to Contracts 7W, 3W, & 13W. See standard details bound in specifications.
8. All 6" x 8" W. to be Class 22 C.I.P.  
All 10" x 12" W. to be Class 23 C.I.P.  
All 24" W. to be Class 24 C.I.P. or Concrete Pressure Pipe Sta. 0+55 to Sta. 29+50.  
All 24" W. to be Class 24 C.I.P. from Sta. 29+50 to Sta. 110+65.
9. In the event Guard Rail must be removed to construct water mains it shall be reset in accordance with detail on Sheet No. 7.

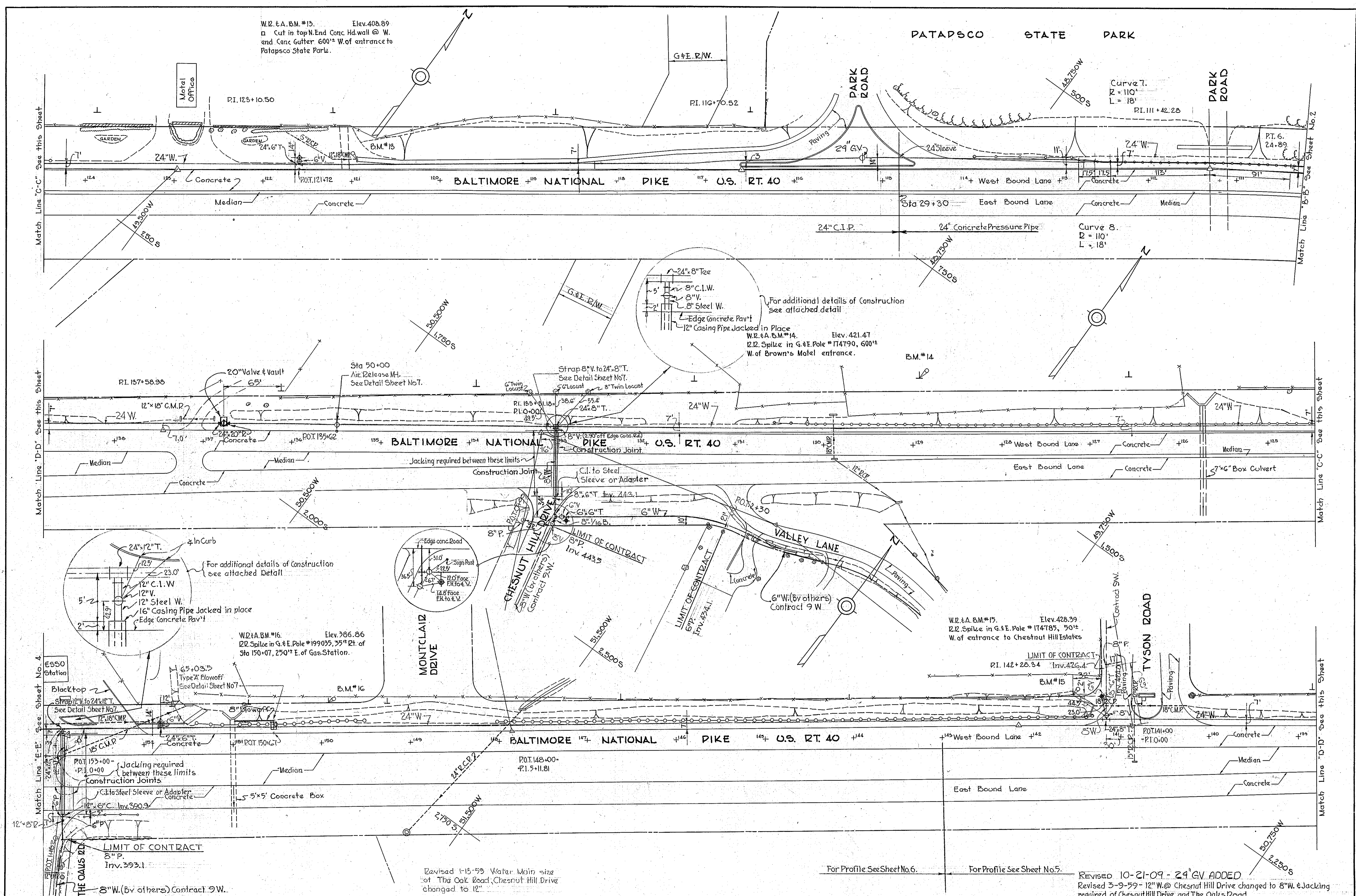
WS 8W/2

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 <small>DATE</small>  <small>CHAIRMAN</small>	CONTRACT NO. 8W PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT DRAWING NO. 2 OF 7
---	--	---	--

W.O. 4649



WS 8W/3



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 8W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 3 OF 7 SCALE 1"=50' AS BUILT
---	--	-----------------	----------------------------------	----------------------------	--

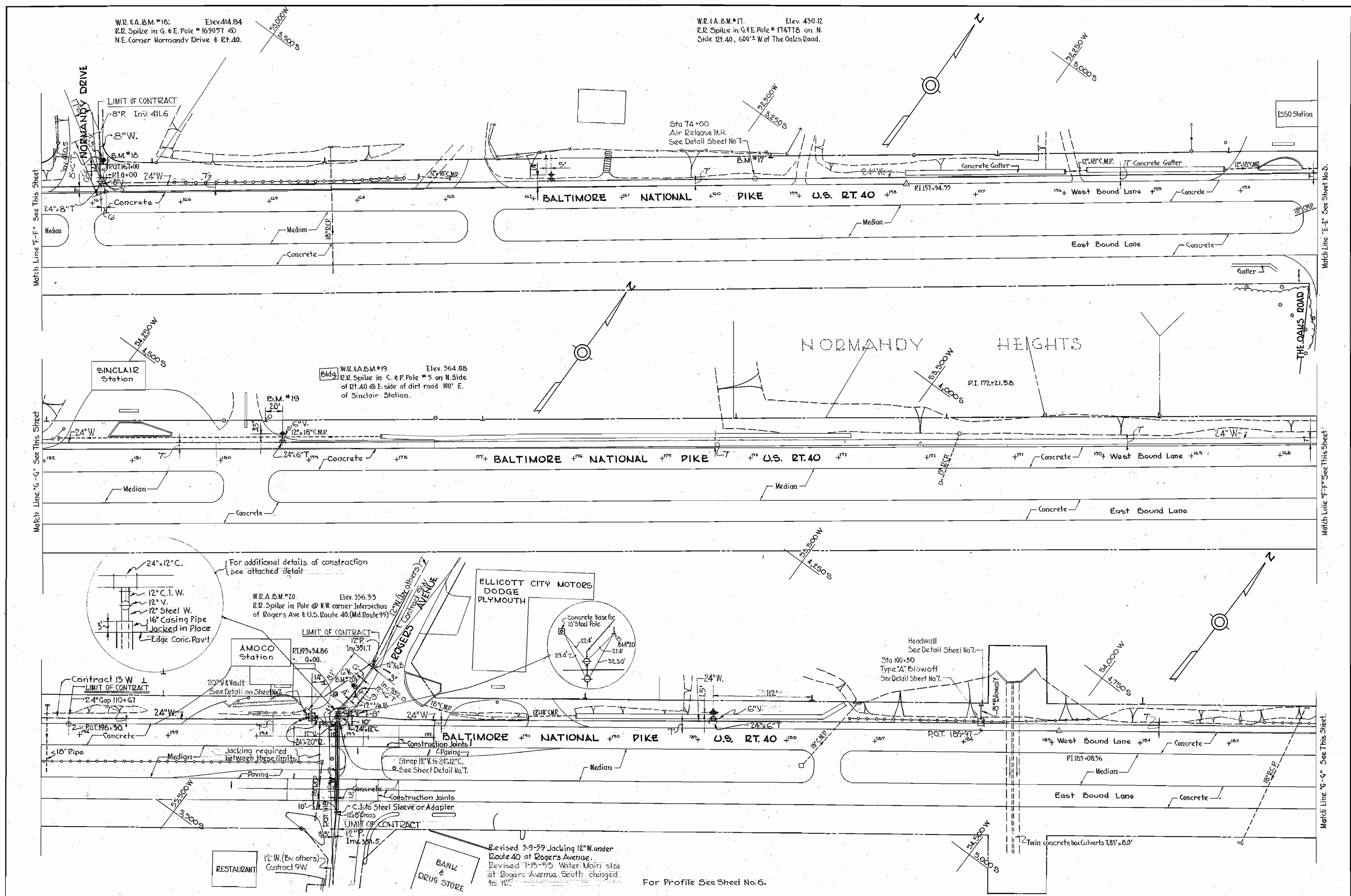
W.O. 4C49

Revised 1-13-59 Water Main size of The Oak Road, Chestnut Hill Drive changed to 12".

Revised 10-21-09 - 24" GV ADDED  
 Revised 3-9-59 - 12" W. @ Chestnut Hill Drive changed to 8" W. & Jacking required of Chestnut Hill Drive and The Oaks Road



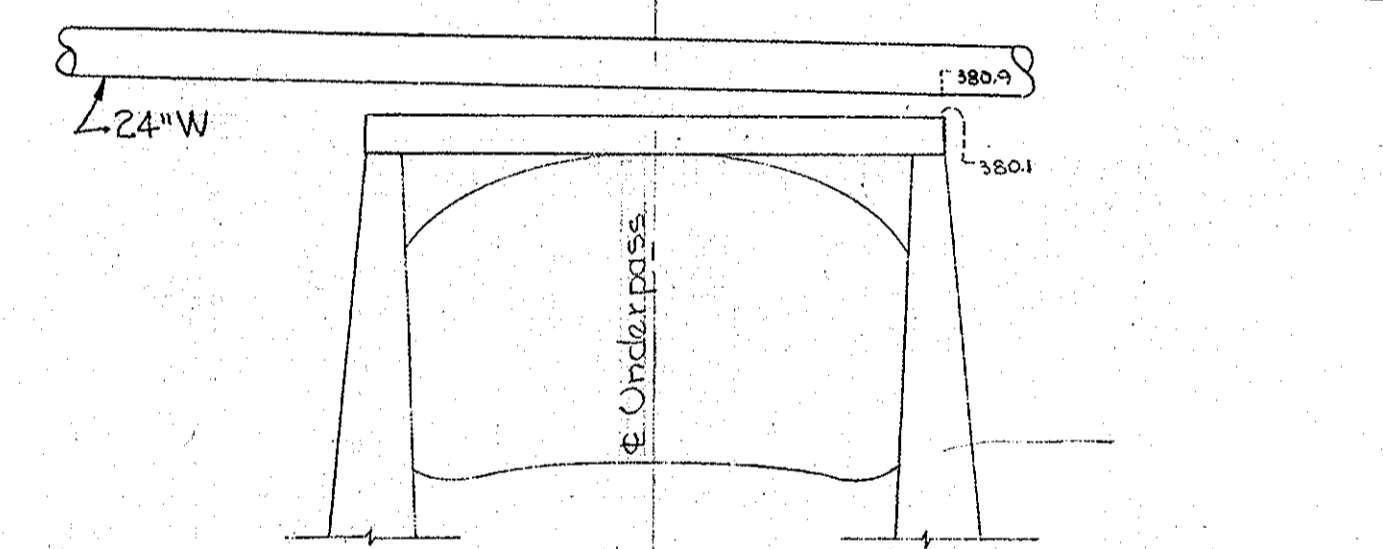
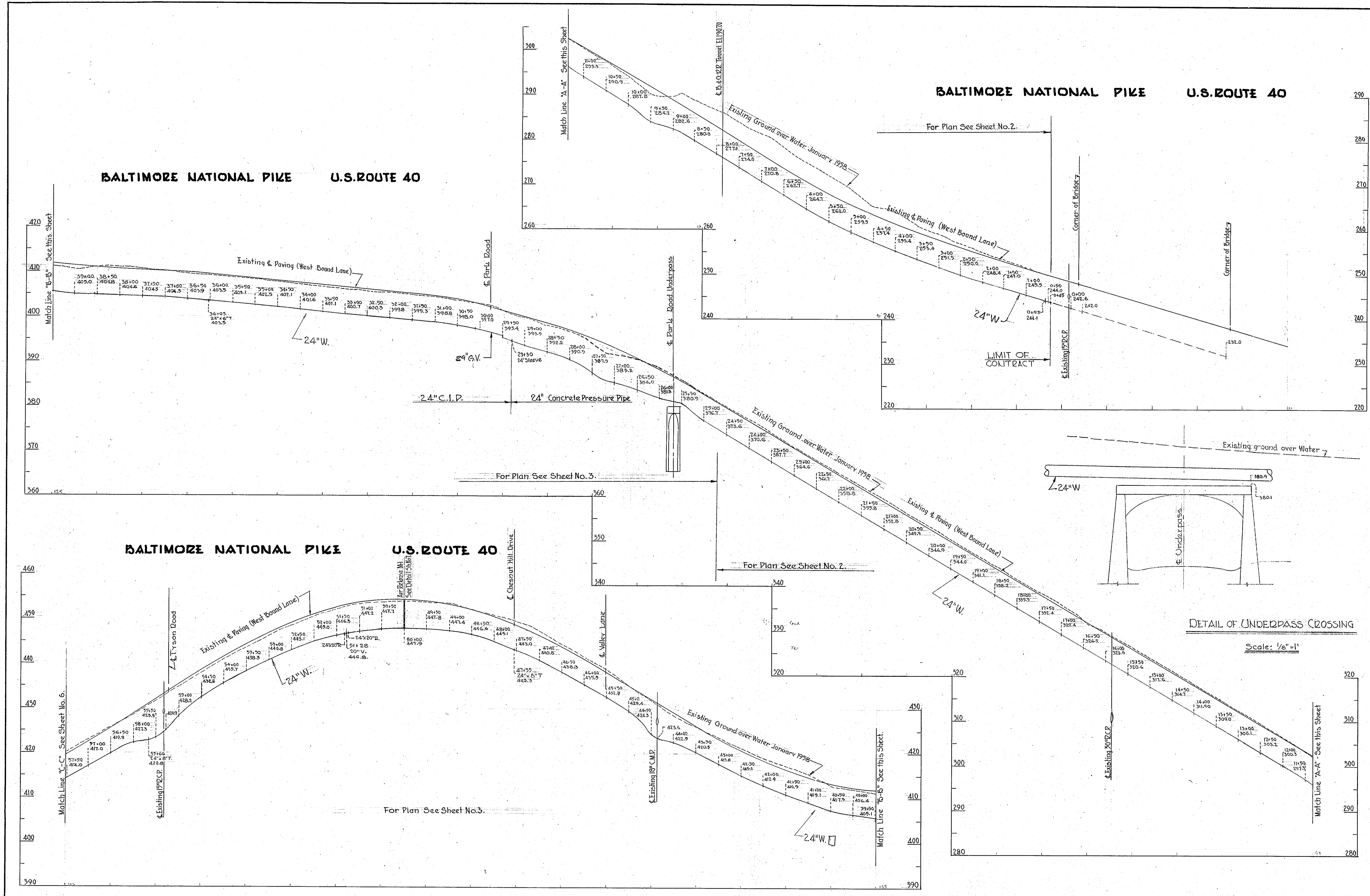
WS 8W/4



WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION DATE July 30, 1958 [Signature] CHAIRMAN	CONTRACT NO. 8W	PLAN OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 4 OF 7 SCALE 1" = 50' AS BUILT
---	---	-----------------	----------------------------------	----------------------------	--

W.O. 4649

WS 8W/5



DETAIL OF UNDERPASS CROSSING

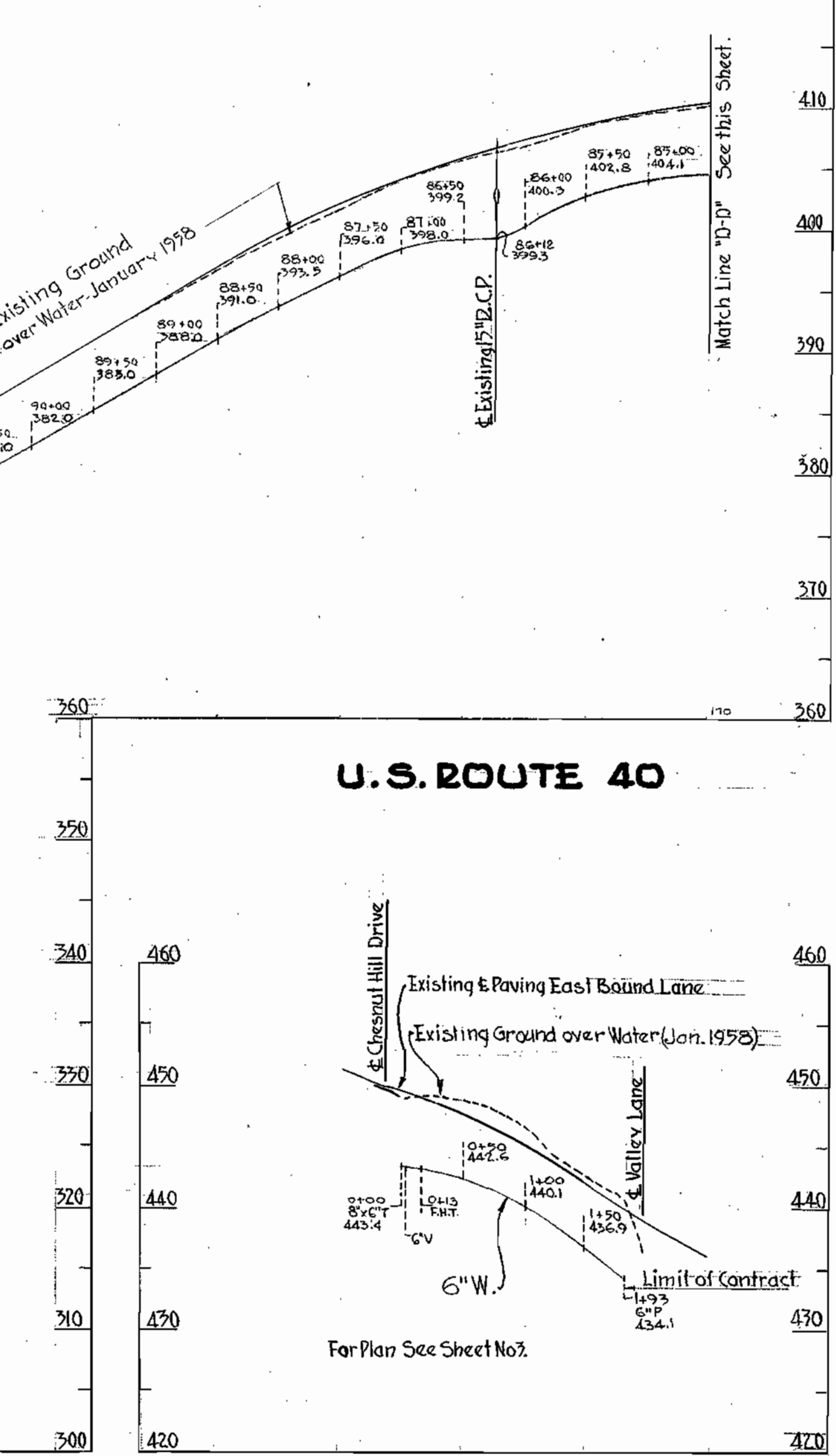
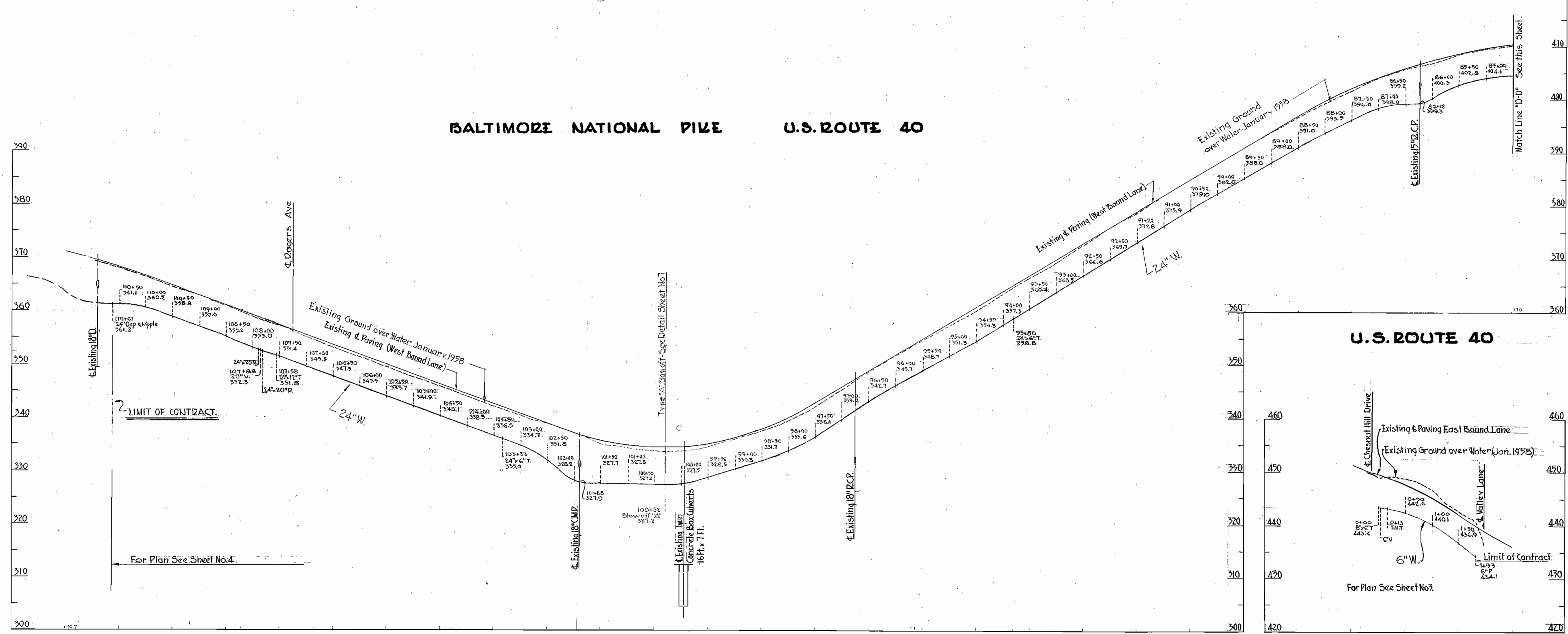
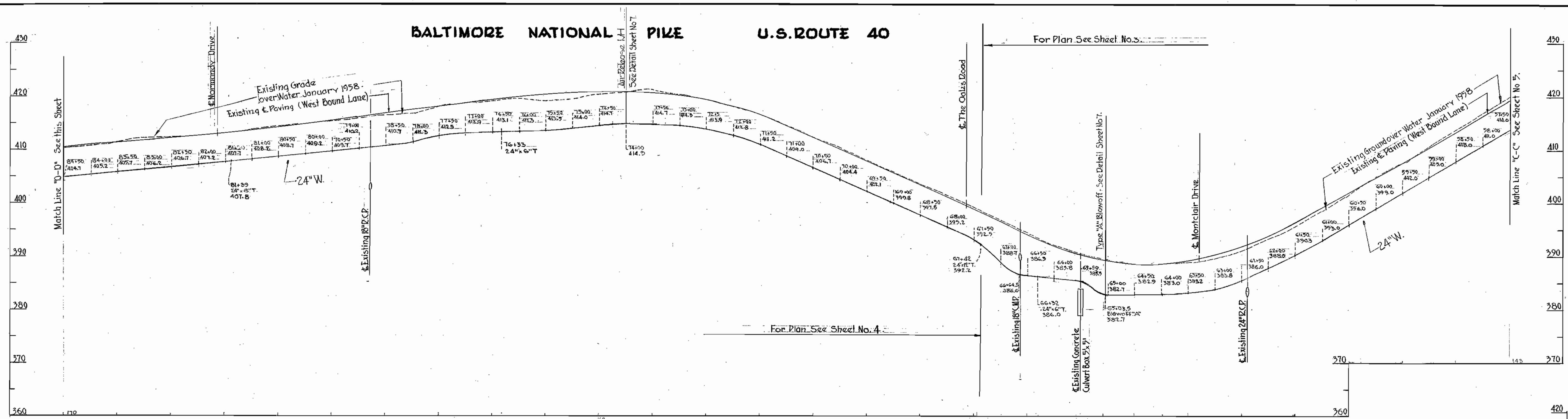
Scale: 1/2" = 1'

REVISED 10-21-09-24" G.V. ADDED

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 8 W	PROFILES OF WATER MAIN EXTENSIONS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 5 OF 7 SCALE: Hor: 1" = 100' Ver: 1" = 10' AS BUILT
---	--	------------------	--------------------------------------	----------------------------	---

W.O. 4C49





WHITMAN, REQUARDT & ASSOCIATES  
ENGINEERS  
1304 ST. PAUL ST.  
BALTIMORE, MARYLAND

HOWARD COUNTY METROPOLITAN COMMISSION  
July 30, 1958  
DATE

CONTRACT NO. 8W

PROFILES OF  
WATER MAIN EXTENSIONS

ELLCOTT CITY SUB-DISTRICT

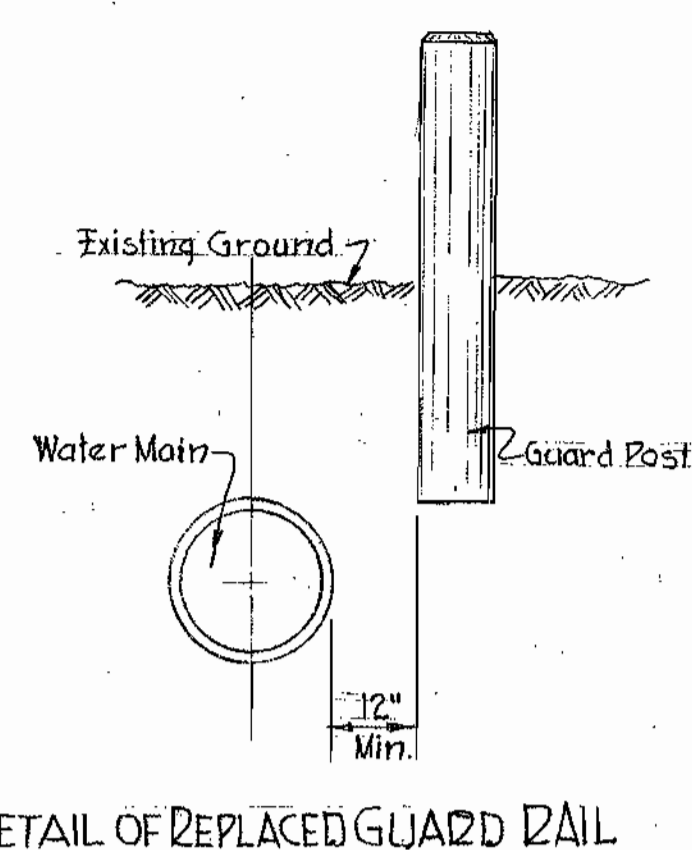
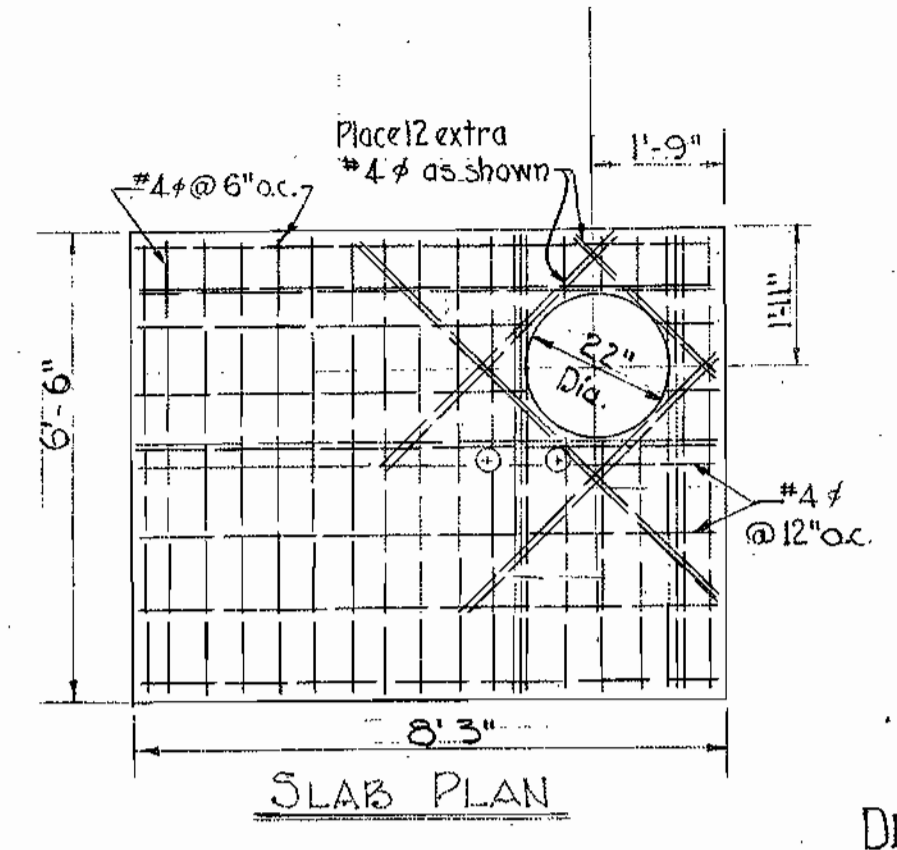
DRAWING NO. 6 OF 7  
SCALE H-1"=10' V-1"=10'

AS BUILT

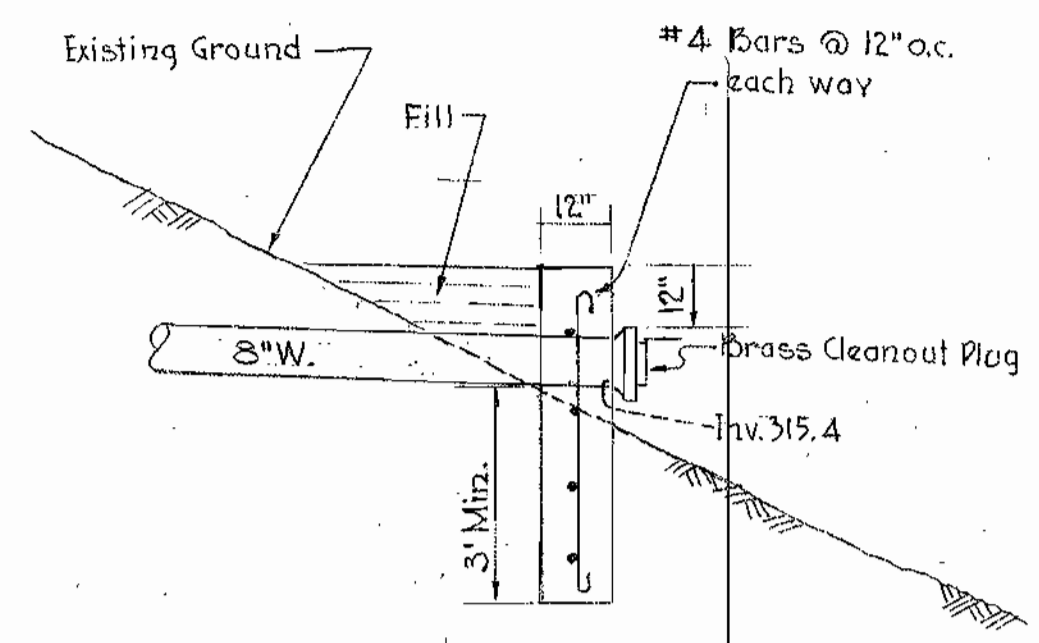
W.O.4C49

WS 8W/6

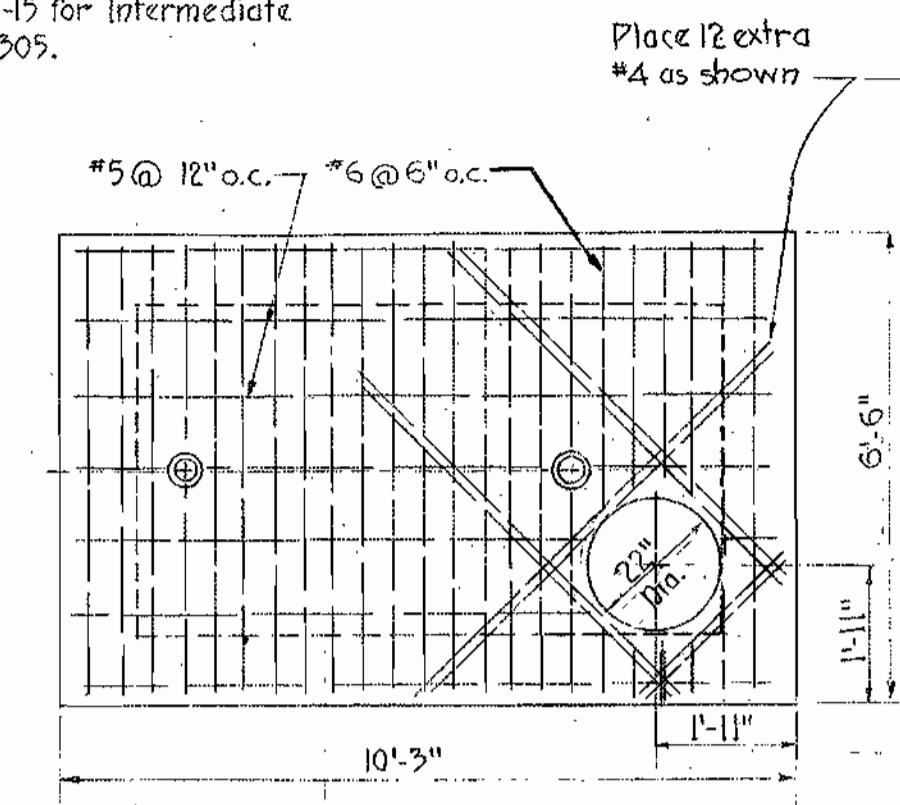
NOTES:  
 All steel to be Deformed Billet Steel bars with standard hooks. 1/2" clear protection. Slab concrete to be class A.  
 Steel to be ASTM. A-15 for intermediate grade & A.S.T.M.-A-305.



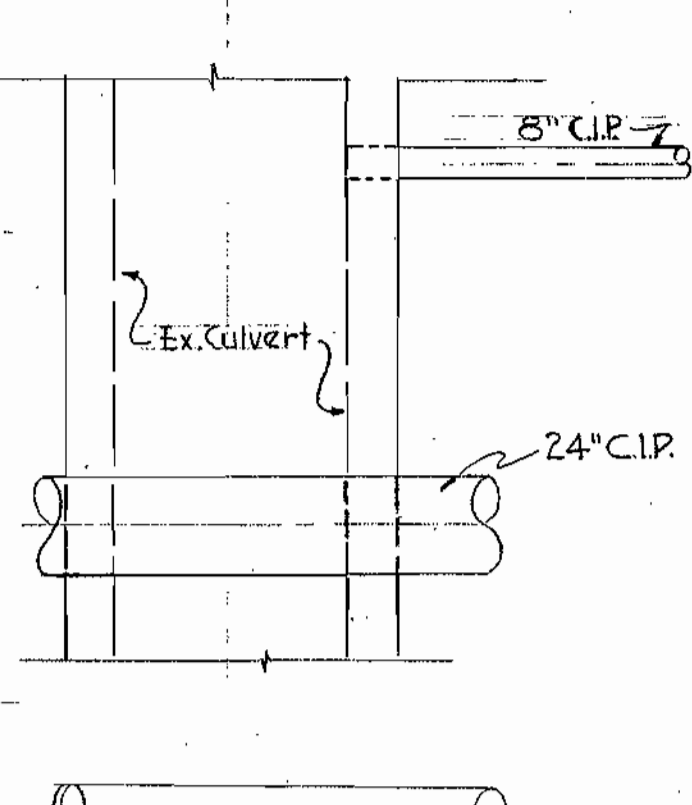
DETAIL OF REPLACED GUARD RAIL  
 No Scale



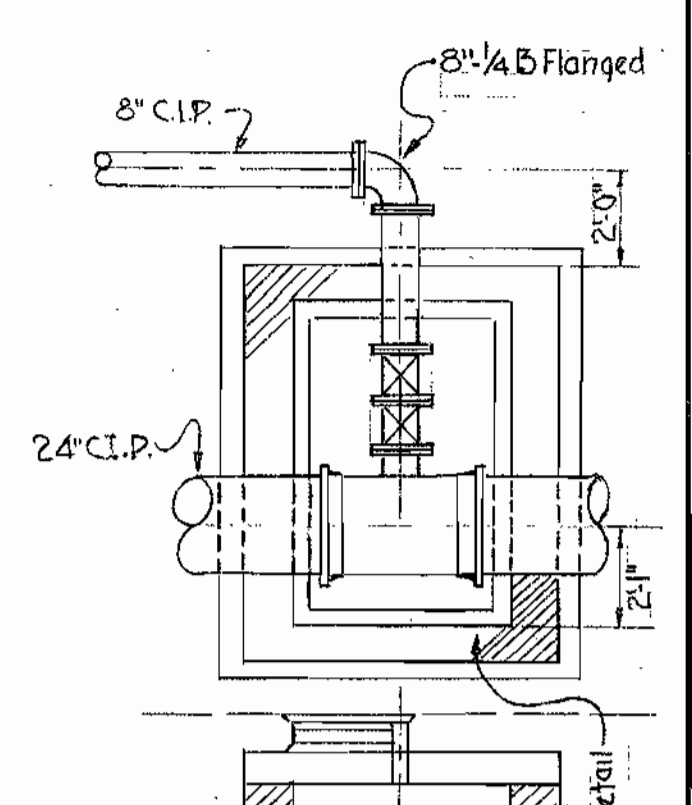
HEADWALL FOR BLOWOFF  
 @ STA 100+30  
 Scale: 3/8" = 1'-0"



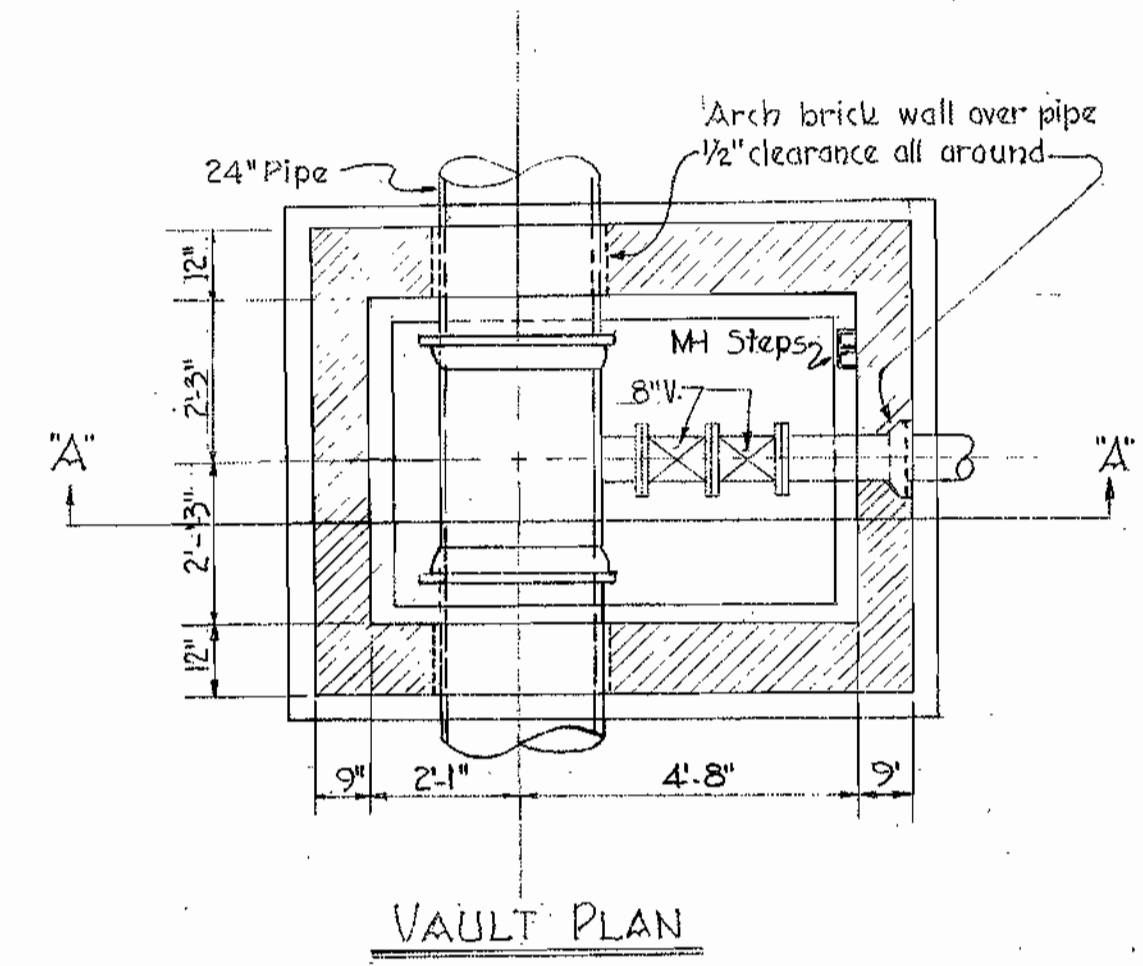
SLAB PLAN



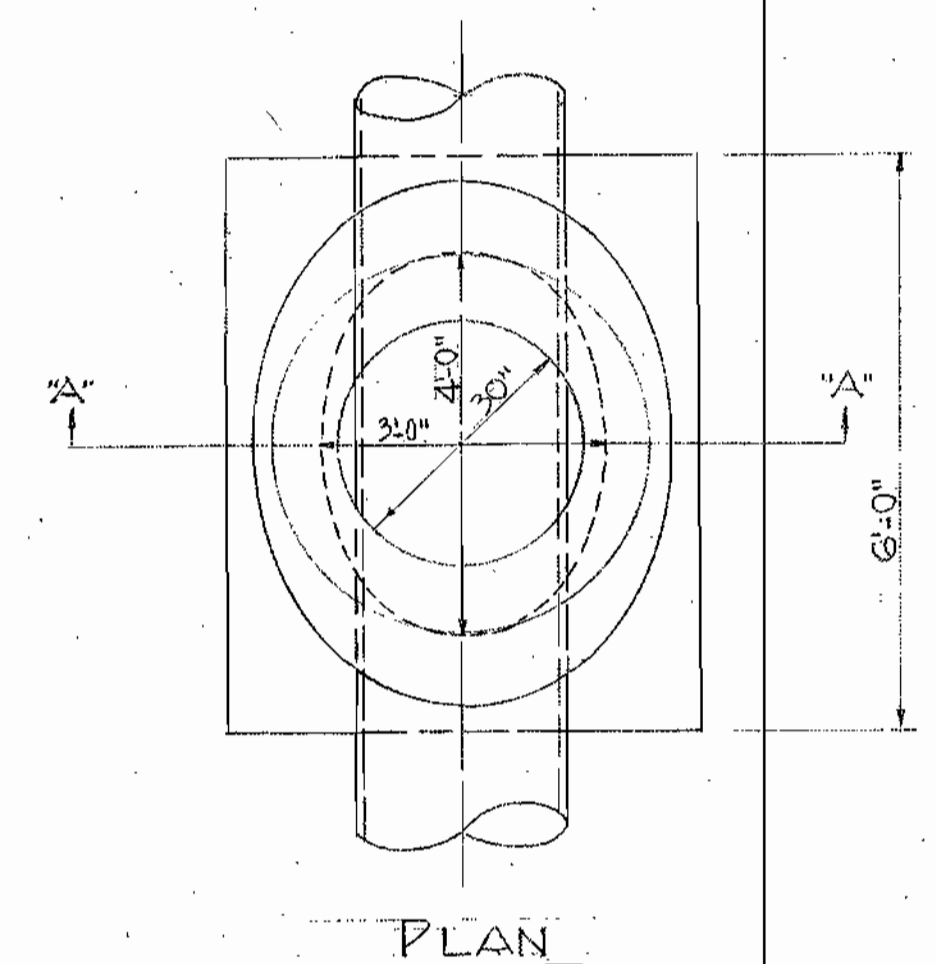
PLAN



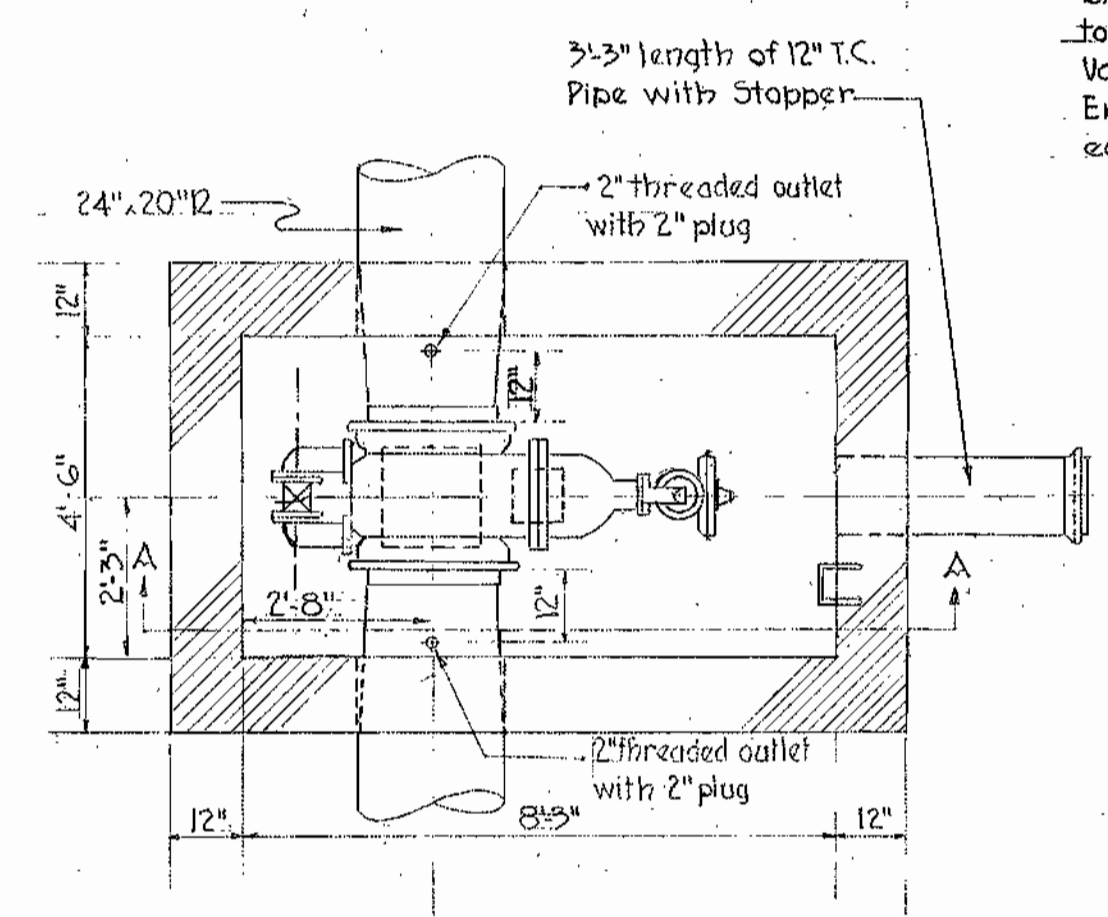
ELEVATION  
 DETAIL OF BLOWOFF  
 AT STA 65+03.50  
 Scale: 1/4" = 1'



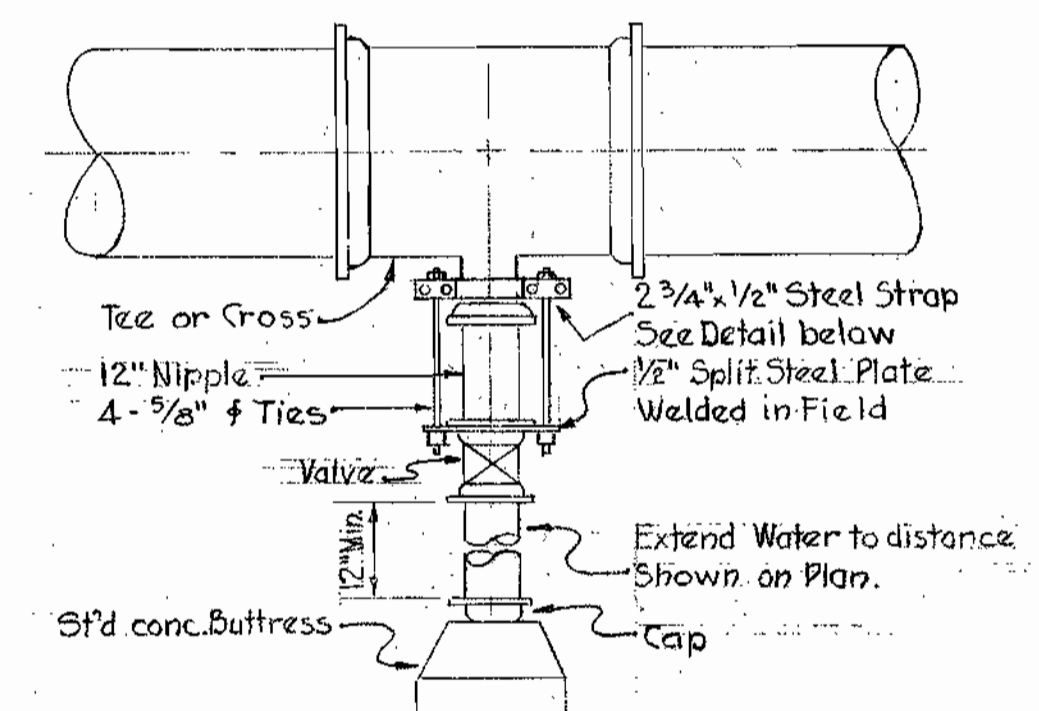
VAULT PLAN



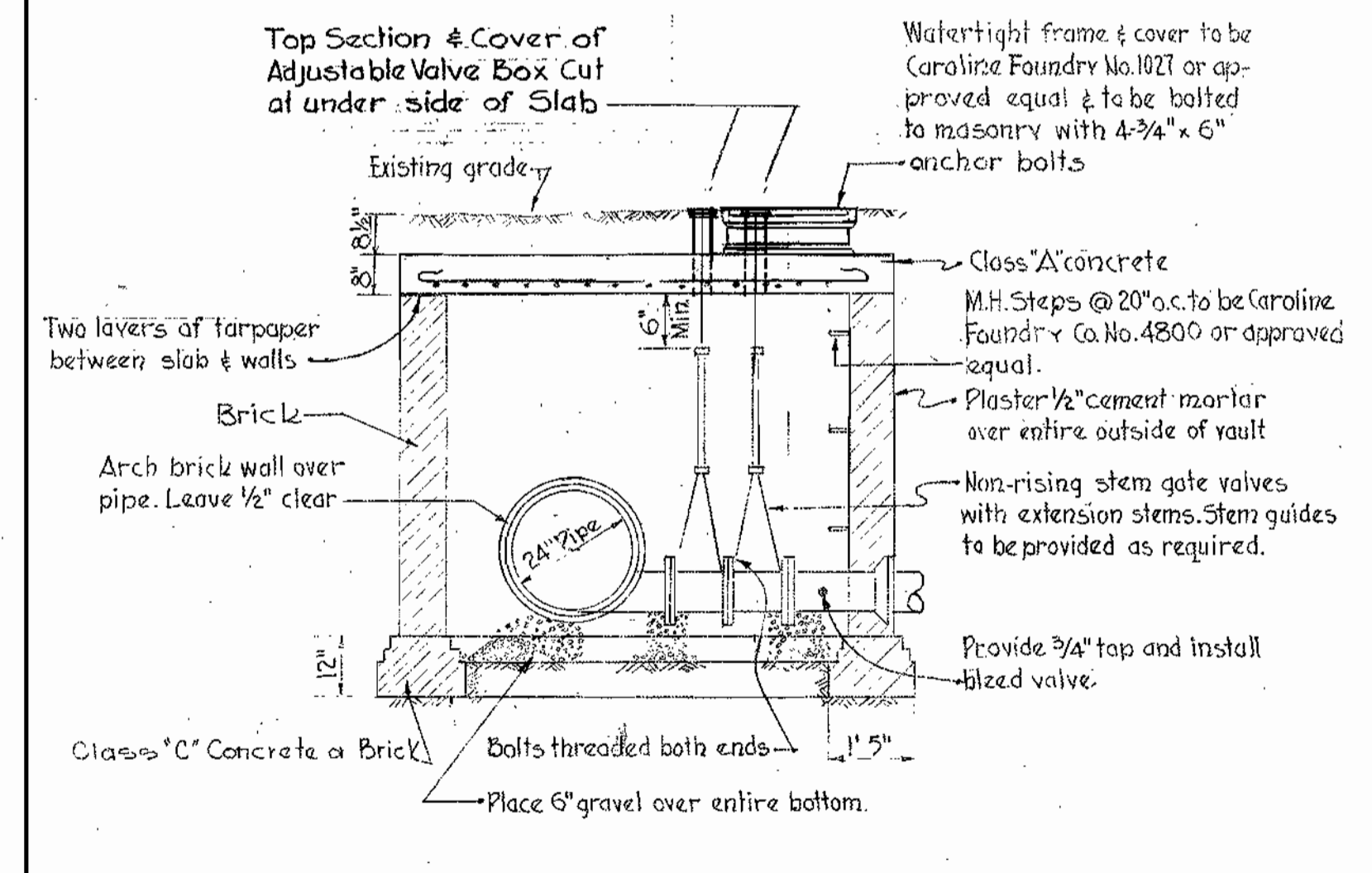
PLAN



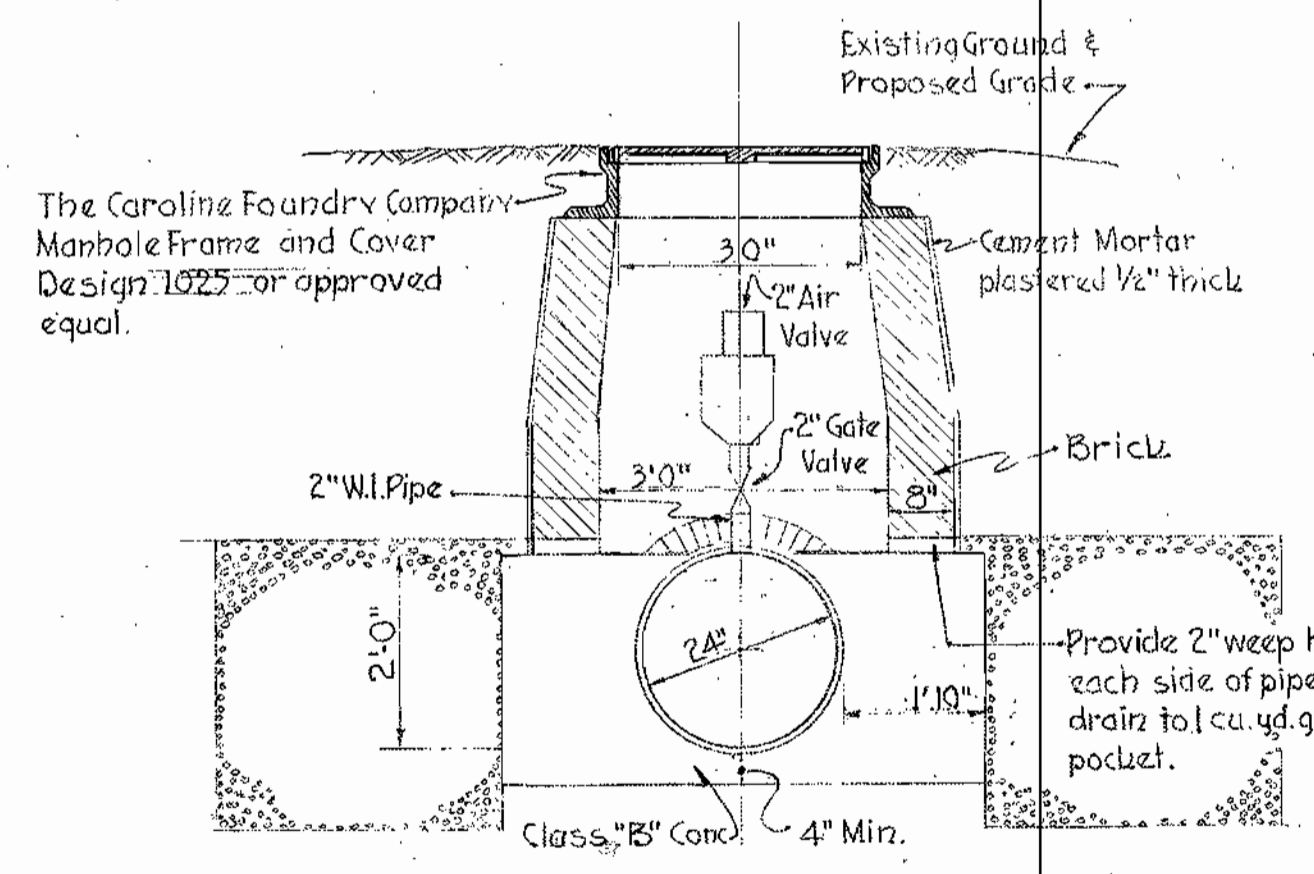
VAULT PLAN



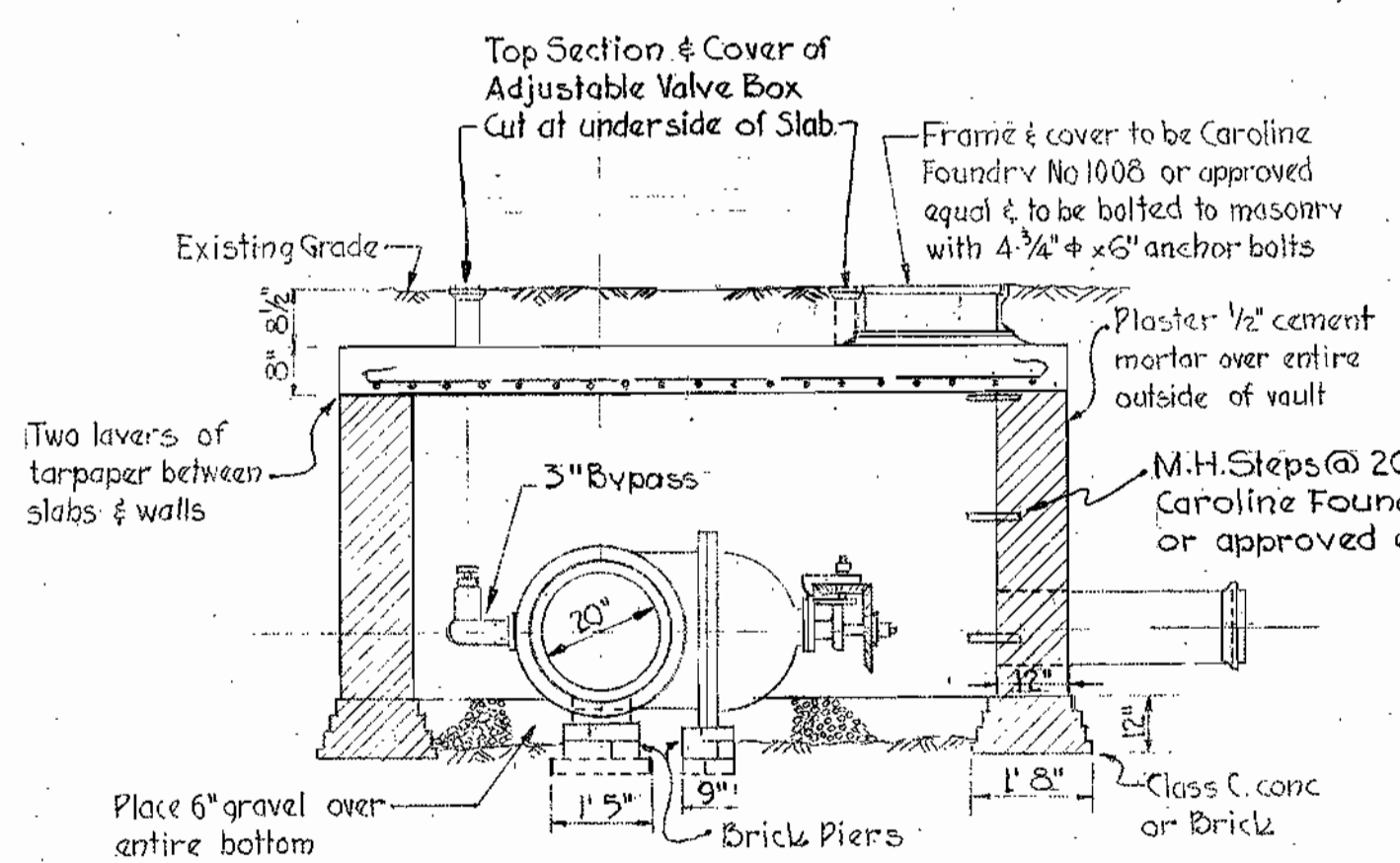
HARDNESS DETAIL  
 No Scale



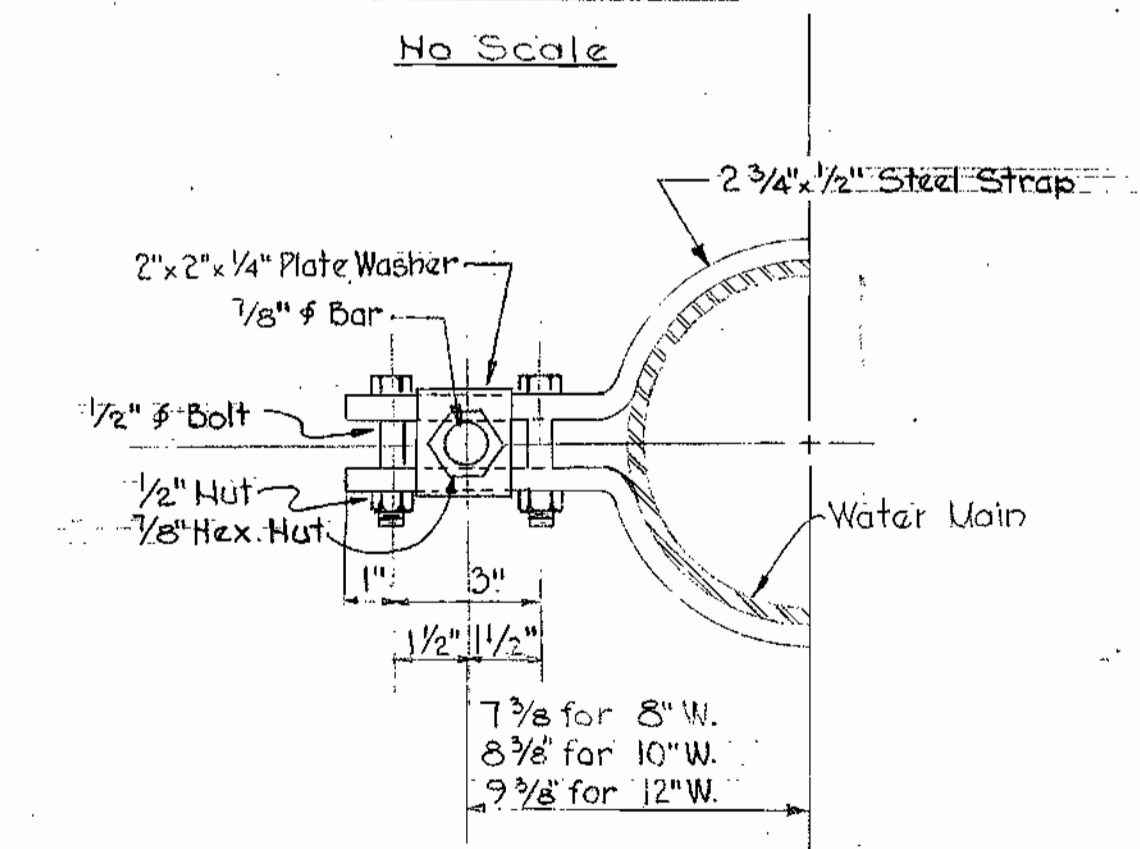
SECTION 'A-A'  
 DETAIL OF TYPE "A" BLOWOFF  
 Scale: 3/8" = 1'-0"



SECTION 'A-A'  
 DETAIL OF 2" AIR RELEASE M.H.  
 Scale: 1/2" = 1'-0"



VAULT SECTION 'A-A'  
 20" HORIZONTAL VALVE VAULT  
 Scale: 3/8" = 1'-0"



STRAPPING DETAIL  
 No Scale

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION July 30, 1958 DATE <i>Carl W. Meyer</i> CHAIRMAN	CONTRACT NO. 8W	DETAILS	ELLICOTT CITY SUB-DISTRICT	DRAWING NO. 7 OF 7 SCALE AS SHOWN AS BUILT
---	--	-----------------	---------	----------------------------	--

WS 8W/7

W.O. 4C49