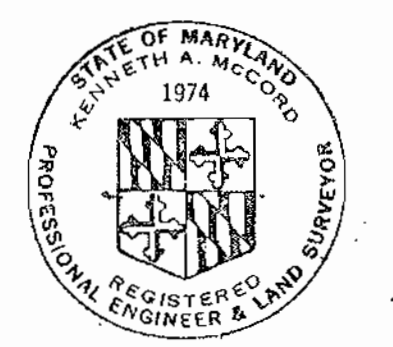


CONTRACT NO. 291-S
DEEP RUN INTERCEPTOR SECTION III
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
ELLICOTT CITY, MARYLAND

FB
 Stakeout - 5251
 Diary F. 5410, 2, 5422, 3, 54 9
 PIPE USED
 (Concrete Pipe & Products) 42", 33", 30" R.C.P. Class B-50
 (Certain Teed) 18" A.C.P. Class 2400



Kenneth A. McLeod

Deep Run Interceptor
 Section III
 Contract No. 291-S

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE <u>2-11-71</u> <i>W. O. Palmer</i> CHIEF, BUREAU OF WATER AND SEWER	CONTRACT NO. <u>291-S</u>	LOCATION MAP	DEEP RUN INTERCEPTOR SECTION NO. 3	DRAWING NO. <u>1</u> OF <u>9</u>	SCALE AS SHOWN
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W. O. 6021-2

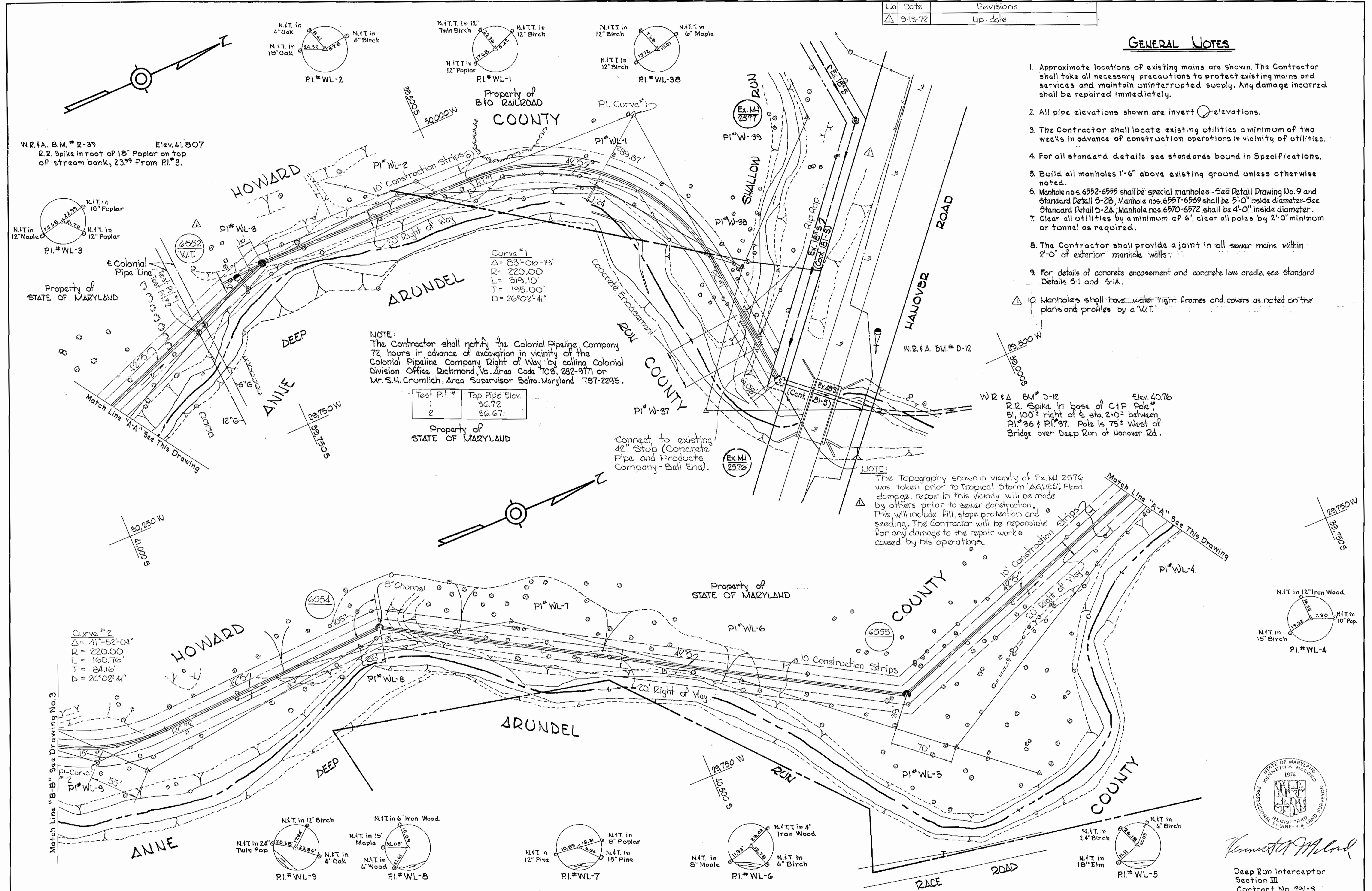
August 3, 1974 AS BUILT

MS 291-S

No.	Date	Revisions
1	9-13-72	Up-date

GENERAL NOTES

1. Approximate locations of existing mains are shown. The Contractor shall take all necessary precautions to protect 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. For all standard details see standards bound in Specifications.
5. Build all manholes 1'-6" above existing ground unless otherwise noted.
6. Manholes nos. 6552-6555 shall be special manholes - See Detail Drawing No. 9 and Standard Detail 5-2B. Manhole nos. 6557-6569 shall be 5'-0" inside diameter - See Standard Detail 5-2A. Manhole nos. 6570-6572 shall be 4'-0" inside diameter.
7. Clear all utilities by a minimum of 6', clear all poles by 2'-0" minimum or tunnel as required.
8. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
9. For details of concrete encasement and concrete low cradle, see Standard Details 5-1 and 5-1A.
10. Manholes shall have water tight frames and covers as noted on the plans and profiles by a "W.T."



NOTE:
The Contractor shall notify the Colonial Pipeline Company 72 hours in advance of excavation in vicinity of the Colonial Pipeline Company Right of Way by calling Colonial Division Office, Richmond, Va. Area Code 703, 282-9771 or Mr. S.H. Crumlich, Area Supervisor Balto. Maryland 787-2295.

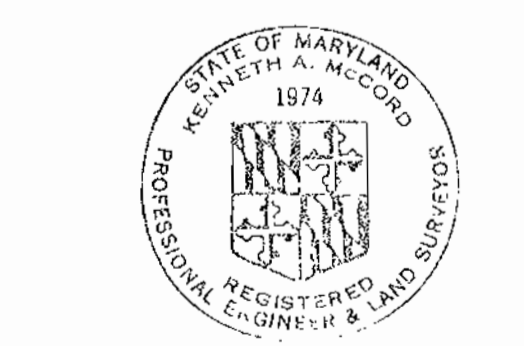
Test Pit #	Top Pipe Elev.
1	36.72
2	36.67

Connect to existing 42" Stub (Concrete Pipe and Products Company - Ball End).

NOTE:
The Topography shown in vicinity of Ex. M.I. 2574 was taken prior to Tropical Storm "AGNES". Flood damage repair in this vicinity will be made by others prior to sewer construction. This will include fill, slope protection and seeding. The Contractor will be responsible for any damage to the repair work caused by his operations.

Curve #2
Δ = 41°-52'-04"
R = 220.00
L = 160.76
T = 84.16
D = 26°02'-41"

Match Line "B-B" See Drawing No. 3



Kenneth A. McLeod

Deep Run Interceptor
Section III
Contract No. 291-S

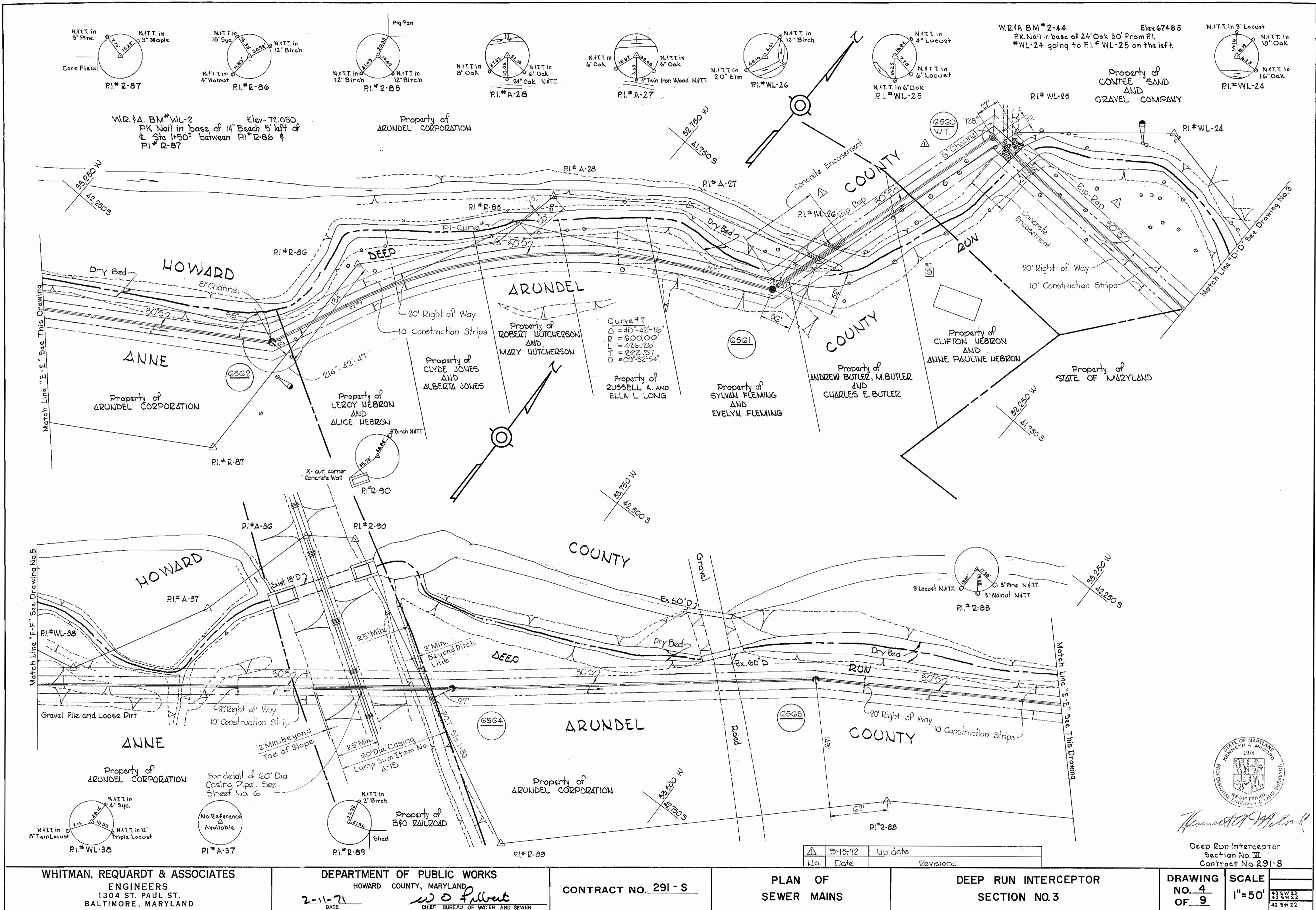
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND DATE: 2-11-71 <i>W. O. Fulbert</i> CHIEF BUREAU OF WATER AND SEWER	CONTRACT NO. 291-S	PLAN OF SEWER MAINS	DEEP RUN INTERCEPTOR SECTION NO. 3	DRAWING NO. 2 OF 9	SCALE 1"=50'
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W. O. 6021-2

F.B. #4124 f#3883
AS BUILT August 3, 1974

WS 291-S/2

MS 291-S/4



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

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE 2-11-71
 W. O. Fullert
 CHIEF, BUREAU OF WATER AND SEWER

CONTRACT NO. 291-S

PLAN OF
 SEWER MAINS

DEEP RUN INTERCEPTOR
 SECTION NO. 3

DRAWING NO. 4 OF 9
 SCALE 1"=50'
 AS BUILT

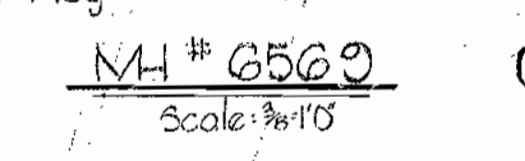
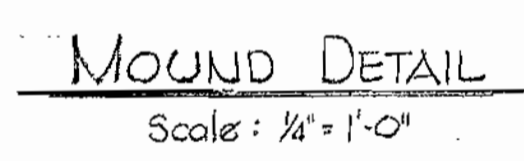
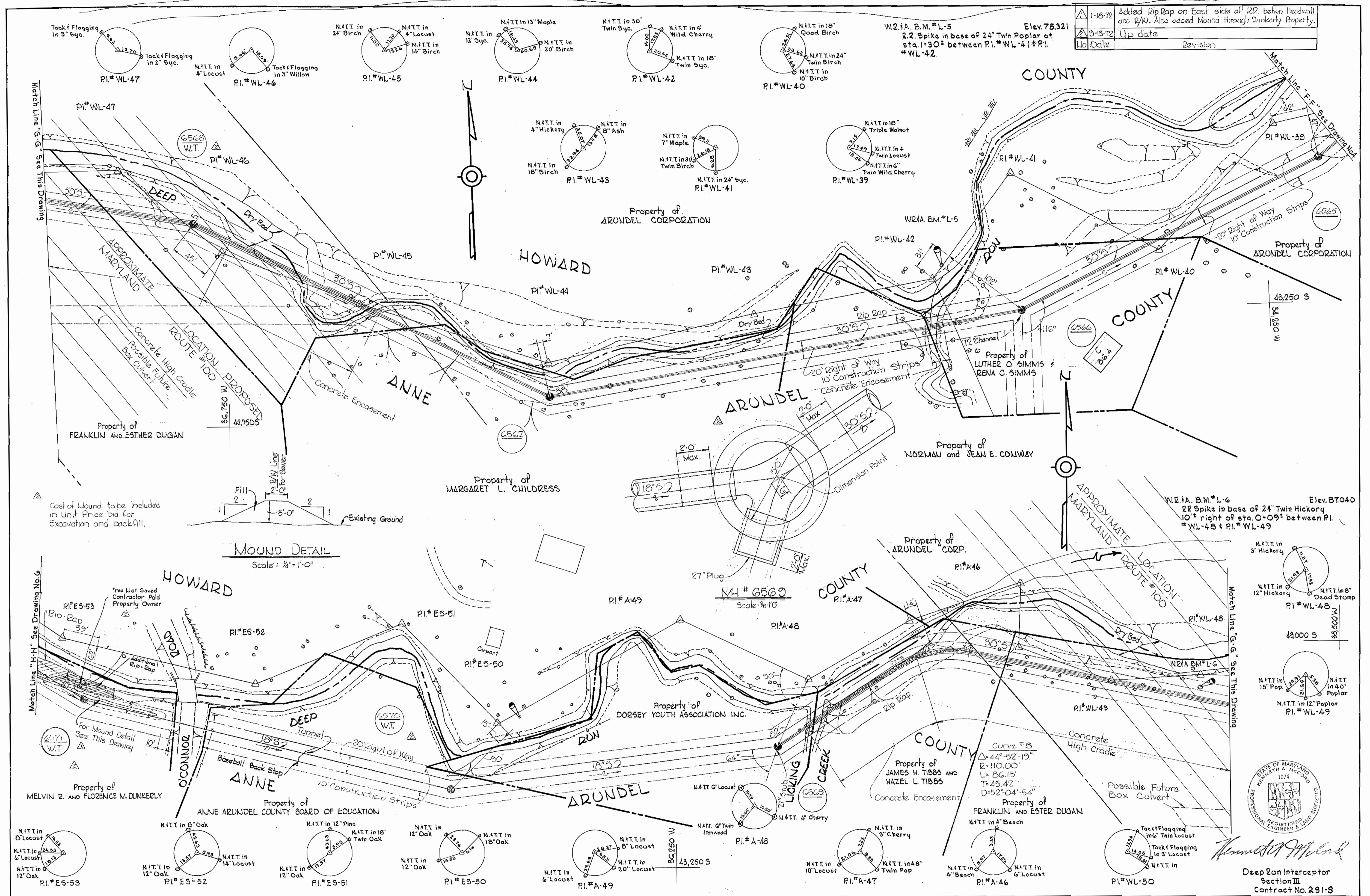
No.	Date	Revisions
1	2-13-72	Up date

W. O. 6021-2

August 3, 1974

WS 291-S/5

1-18-72	Added Rip Rap on East side of R.R. between Headwall and R/W. Also added Mound through Dunkerly Property.
3-13-72	Up date
10/Date	Revision



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 2-11-71
W. O. Falbert
CHIEF, BUREAU OF WATER AND SEWER

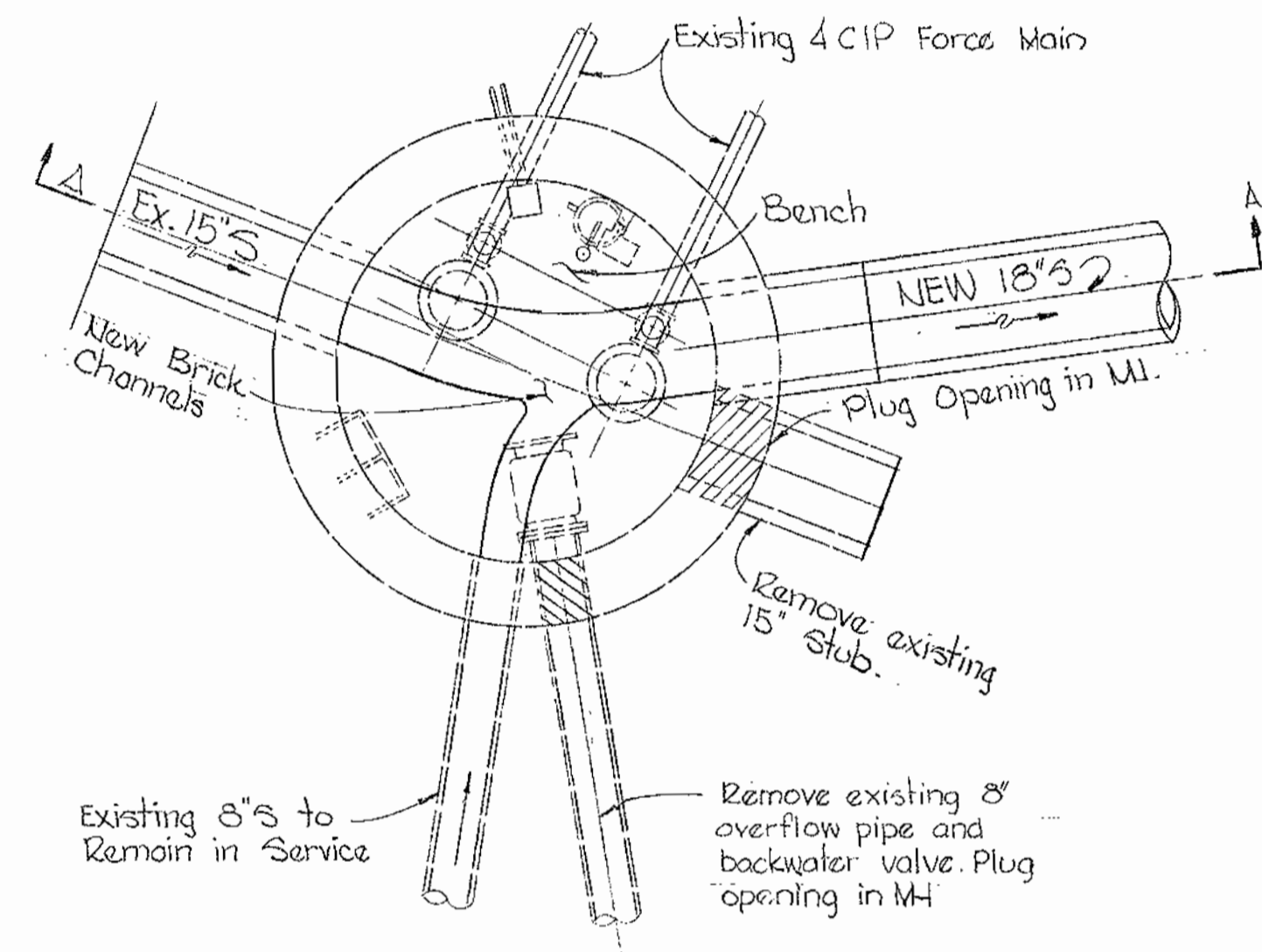
CONTRACT NO. 291-S

PLAN OF SEWER MAINS

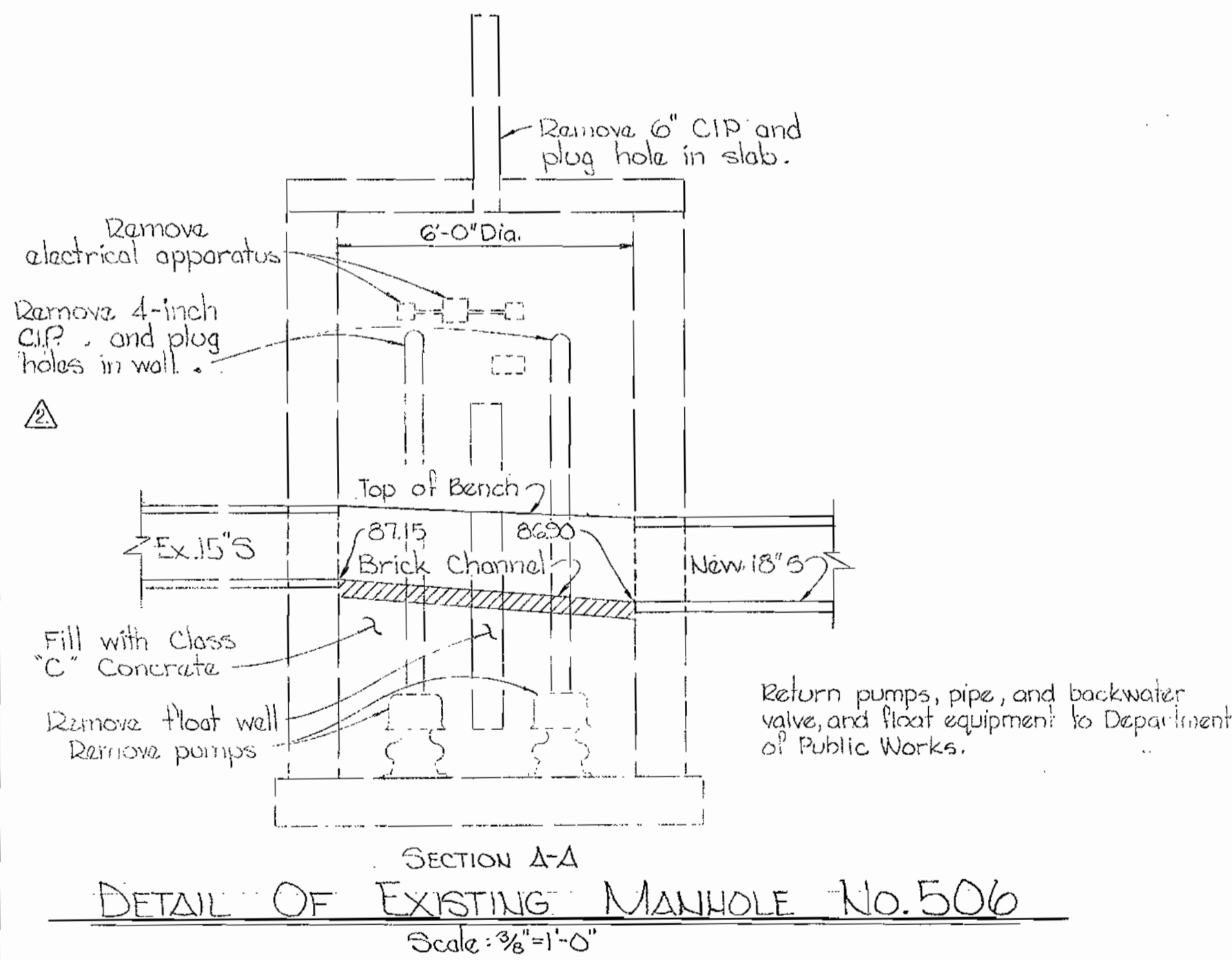
DEEP RUN INTERCEPTOR SECTION NO. 3

DRAWING NO. 5 OF 9	SCALE 1" = 50'						
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23 SW 25							
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23 SW 27							
23 SW 28							
23 SW 29							
23 SW 30							

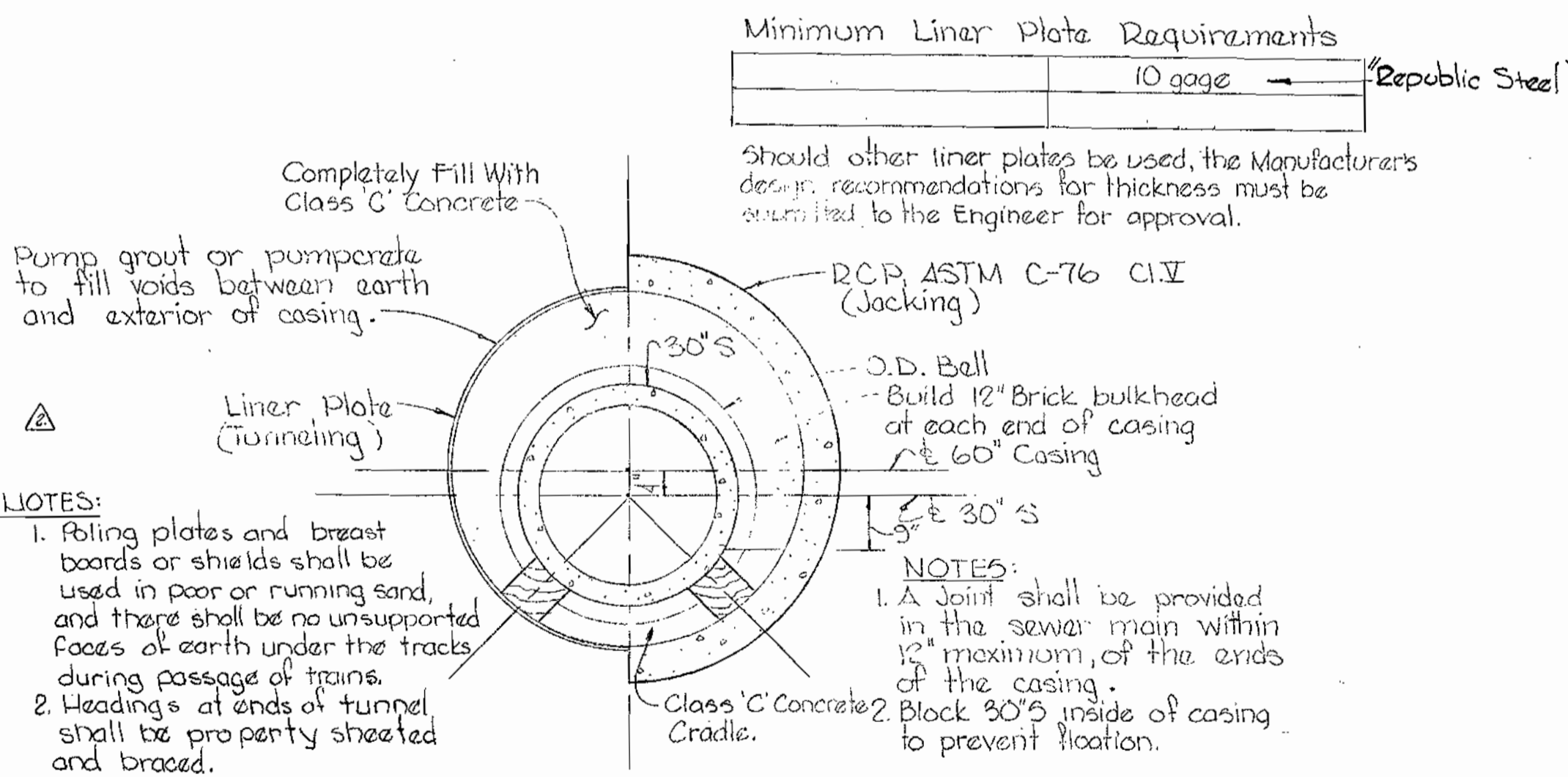
August 3, 1974



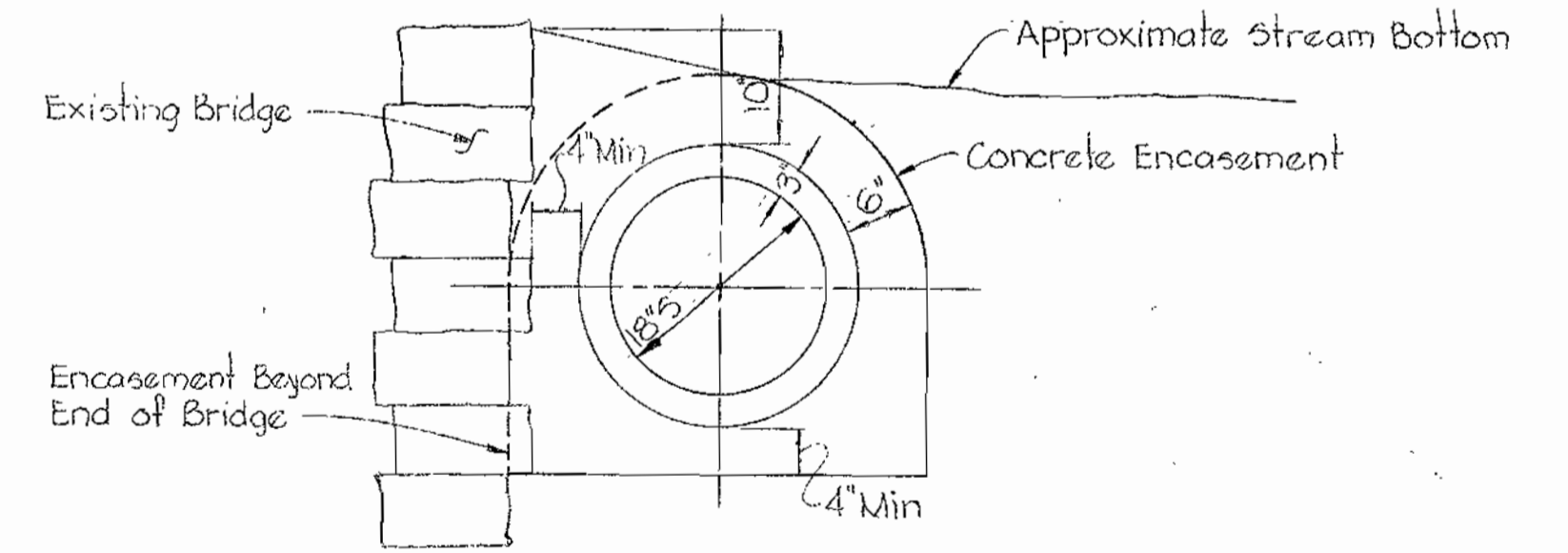
SECTIONAL PLAN



SECTION A-A
DETAIL OF EXISTING MANHOLE No. 506
Scale: 3/8" = 1'-0"

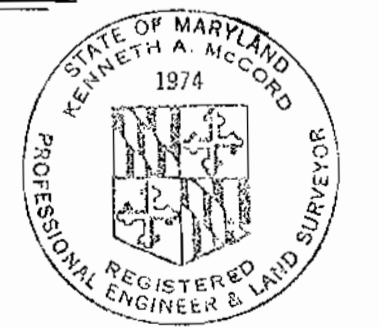


60" CASING UNDER B&O RR SPUR
Scale: 1/2" = 1'-0"



DETAIL OF CONCRETE ENCASUREMENT
UNDER B&O BRIDGE No. 14-B
Scale: 3/4" = 1'-0"

VOID
See sketch Dated
Oct 3, 1973



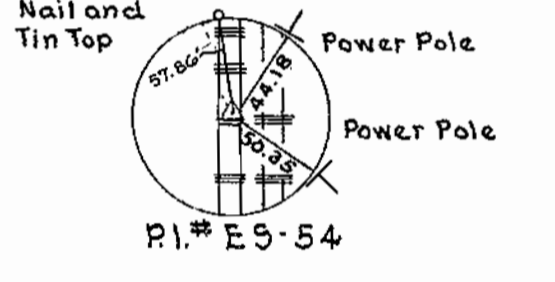
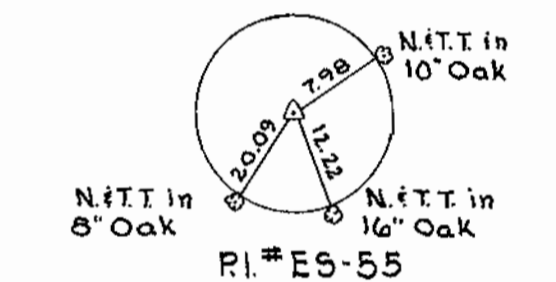
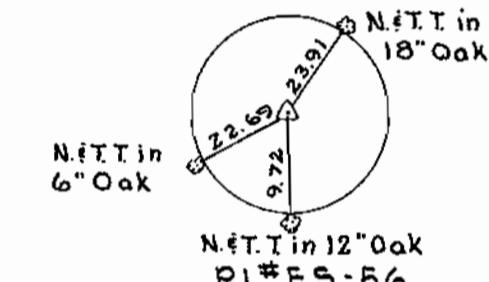
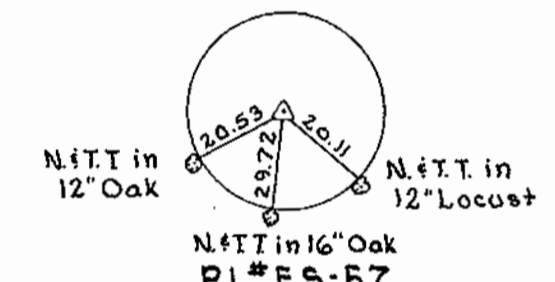
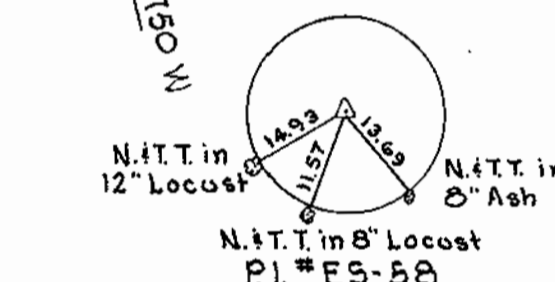
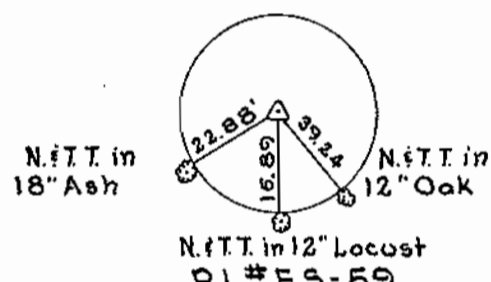
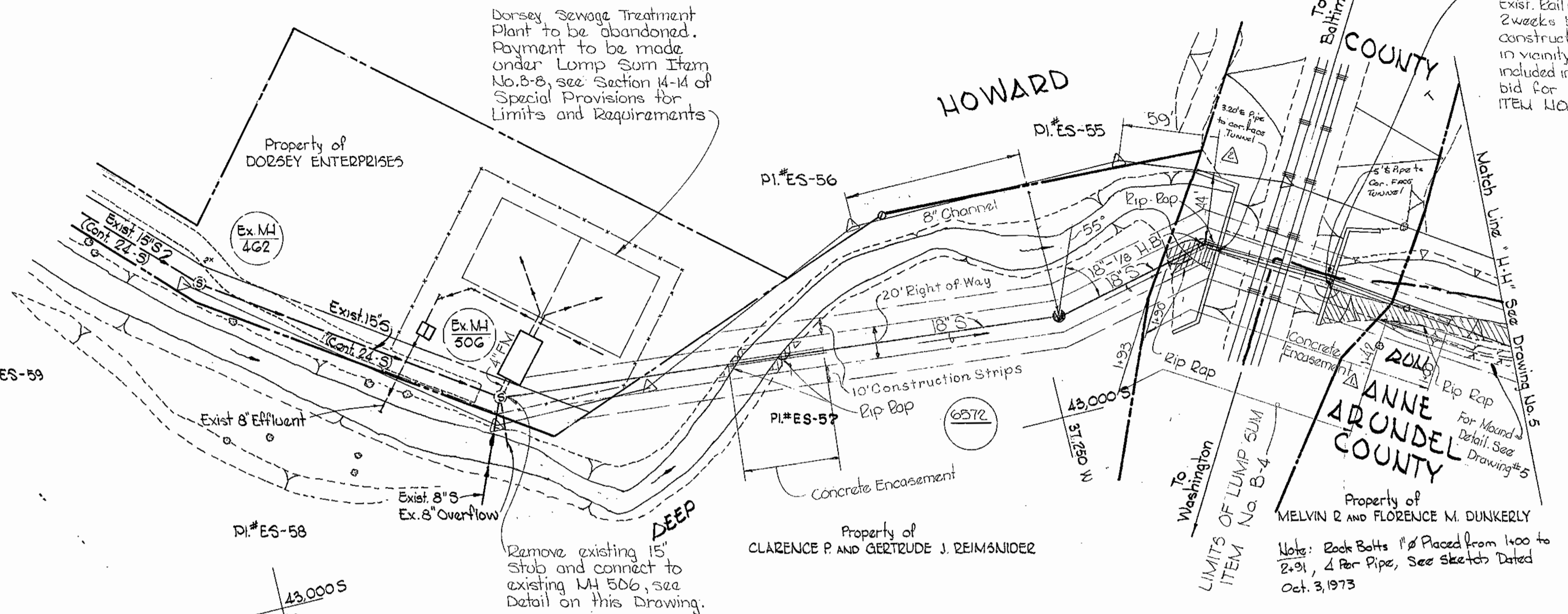
Kenneth A. McLeod

Deep Run Interceptor
Section III
Contract No. 291-S

No.	Date	Revision
5-13-72		Up date
1-15-72		Added Rip Rap on East side of R.R. btwn. Headwall and R/W. Also added Mound through Dunkerly Property

DRAWING NO. 6 OF 9 SCALE AS SHOWN

August 3, 1972



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

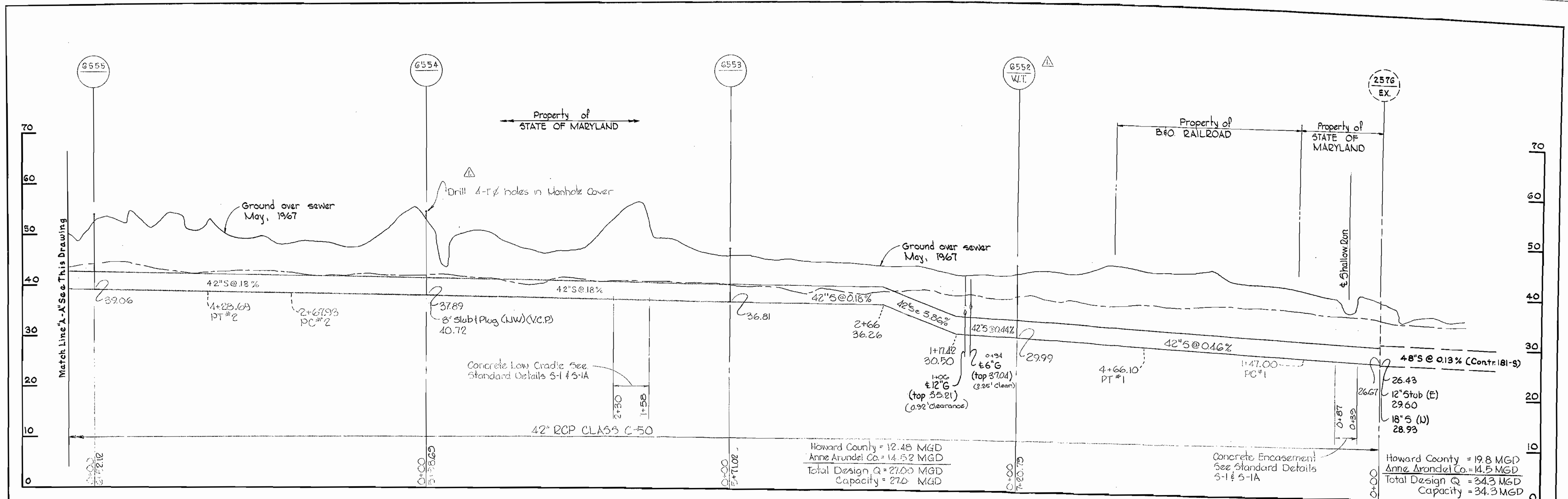
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
2-11-71
W O Filbert
CHIEF BUREAU OF WATER AND SEWER

CONTRACT NO. 291-S

PLAN & DETAILS
OF SEWER MAINS

DEEP RUN INTERCEPTOR
SECTION NO. 3

WS 291-S/16

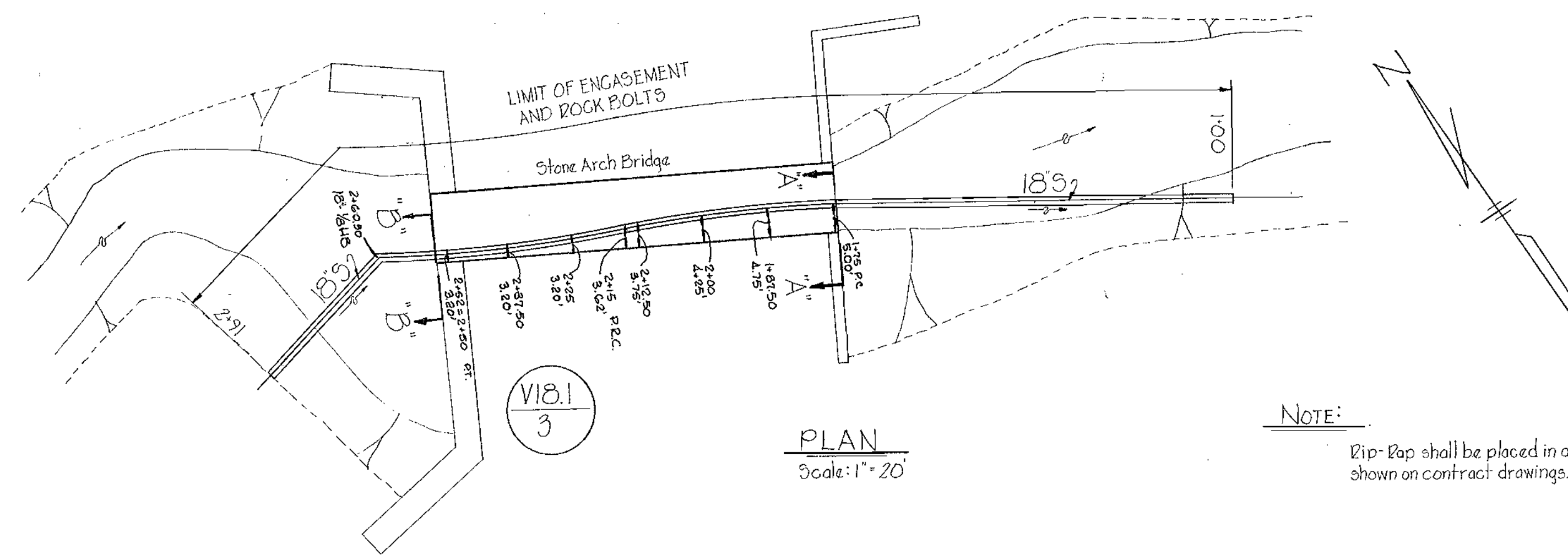


Kenneth A. McCord

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 2-11-71 DATE	CONTRACT NO. 291-S <i>W. O. Palumbo</i> CHIEF - BUREAU OF WATER AND SEWER	PROFILE OF SEWER MAINS	DEEP RUN INTERCEPTOR SECTION NO. 3	No. 7 OF 9	SCALE H4"=100' V1"=10'
					Revisions 5-13-72 Update	

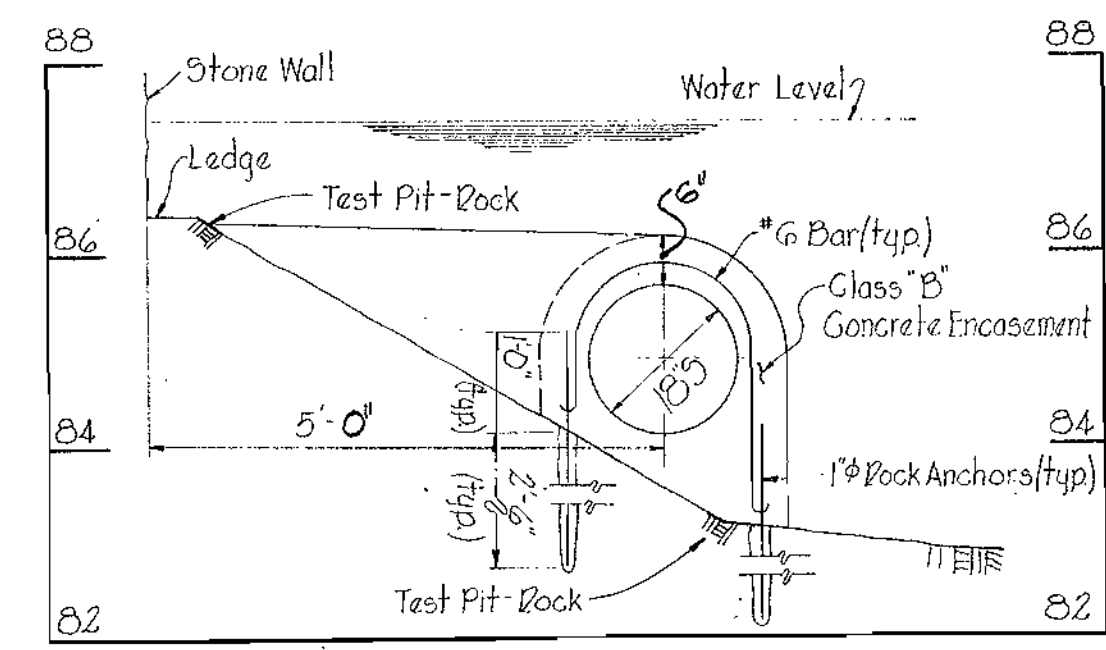
WS 291-S/7

W. O. 6021-2



PLAN
Scale: 1" = 20'

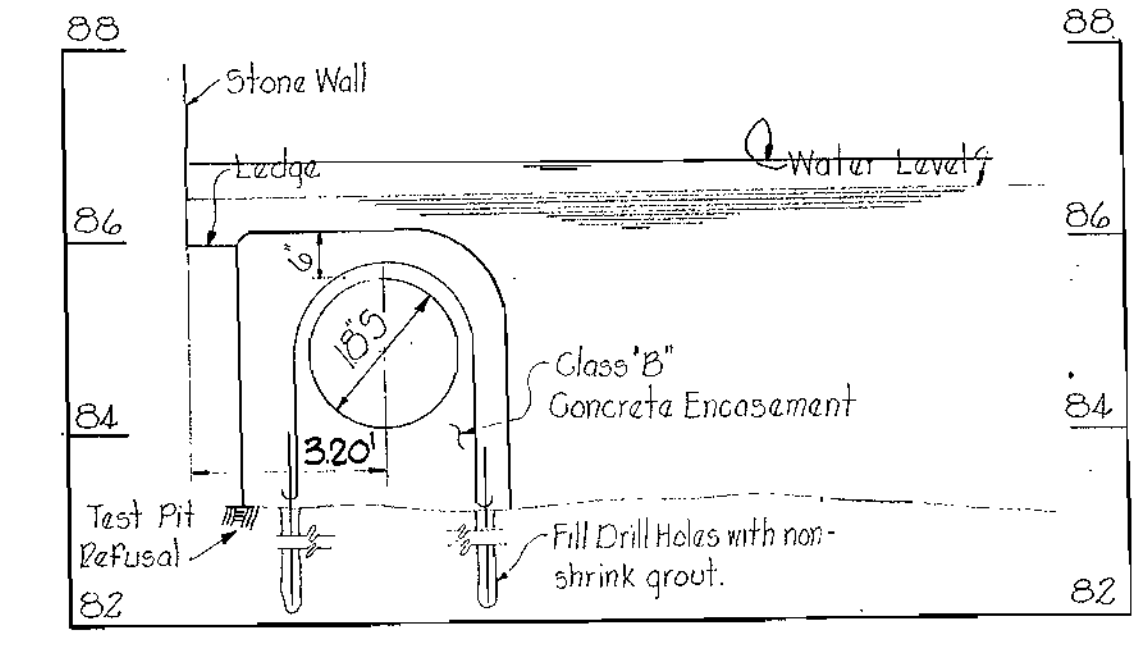
NOTE:
Rip-rap shall be placed in areas shown on contract drawings.



SECTION A-A

NOTE:
2 sets straps, 1" from ends.
1" Rock Anchors for each length of pipe, shall be Type B-31 Rock Anchors as manufactured by the Dayton Sure Grip and Shore Co., or approved equal.

SECTIONS
Scale: Horz.: 1/2" = 1'-0"
Vert.: 1/2" = 1'-0"



SECTION B-B

WHITMAN, DEQUARDT AND ASSOCIATES
ENGINEERS

SKETCH OF 18TH THRU BALTIMORE AND OHIO
RAILROAD BRIDGE N^o 14B

DEAR RUN INTERCEPTOR SECT III
CONTRACT NO. 291-S
August 2, 1974

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DIRECTOR OF PUBLIC WORKS _____ DATE _____
CHIEF, BUREAU OF ENGINEERING _____ DATE _____

DES:				
DRN:				
CHK:				
DATE:				
BY	NO.	REVISION	DATE	

600' SCALE MAP NO. _____ BLOCK NO. _____

DEAR RUN INTERCEPTOR, SECT. III

Contract # 291-S

SCALE AS SHOWN

SHEET 1A OF 10

DRAWING 44-132 09150