W.R.&A B.M.# 28 Elev. 190.62
R.R. spike base G&E pole #144131
@ N.E. corner of Fells Avenue &
Main St.

Match Line "A-A" See This Sheet

VICINITY MAP
Scale 1" = 1/2 mile

ROGERS AVE. MD. ROUTE 99
FELLS AVE.
VIOLET DR.
COURT
STEVENS LA.
MAIN STREET
ELLICOTT CITY
FREDERICK MD. ROAD
MD. ROUTE 144
OLD COLUMBIA PIKE
U.S. ROUTE 29
PART "A"
PART "B"
NEW CUT ROAD
COLLEGE AVENUE
TAYLOR MANOR HOSPITAL

PROPERTY OF
THE MILLER LAND COMPANY

PROPERTY OF
COUNTY COMMISSIONERS OF HOWARD COUNTY

PROPERTY OF
GRANVILLE W. & MARY C. WEHLAND

PROPERTY OF
LEWIS W.T. & LOUISE K. BOONE

PROPERTY OF
SAMUEL H. & GERTRUDE D. CAPLAN

PROPERTY OF
THE BALTIMORE YEARLY MEETING OF FRIENDS HELD ON LOMBARD STREET

W.R.&A B.M.# C-3 Elev. 178.585
Nail & T.T. in G&E. pole 30' right of P.I.#8.

W.R.&A B.M.# 1 Elev. 284.105
Three nails in G&E pole #10843 29' right P.I.#13 College Avenue.

W.R.&A B.M.# C-2 Elev. 177.606
R.R. spike in 8" syc. 16' left of P.I.#6 along New Cut Road at fence corner.

W.R.&A B.M.# C-1 Elev. 184.570
Top road side flange bolt on fire hydrant 10' left of Sta. 2+60 between P.I.#3 & P.I.#4. Columbia Pike.

Note:
Time of connecting to Existing Water Main shall be made during normal working hours.

Note:
Prior to final paving in H. [illegible] be installed.

Note:
Tunnel existing water or remove & replace as directed by the Engineer.

Note:
Cost of removing existing F.H.'s & valves to be included in the unit price bid for furnishing and installing Fire Hydrants.

No	Date	Revision
1	12-3-66	Fire Hydrant added.

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

HOWARD COUNTY METROPOLITAN COMMISSION
11-8-66 DATE — CHIEF ENGINEER

CONTRACT NO. 134-W

PLAN OF WATER MAINS

ELECTION DISTRICT
ELLICOTT CITY NO. 2

DRAWING NO. 1 OF 4

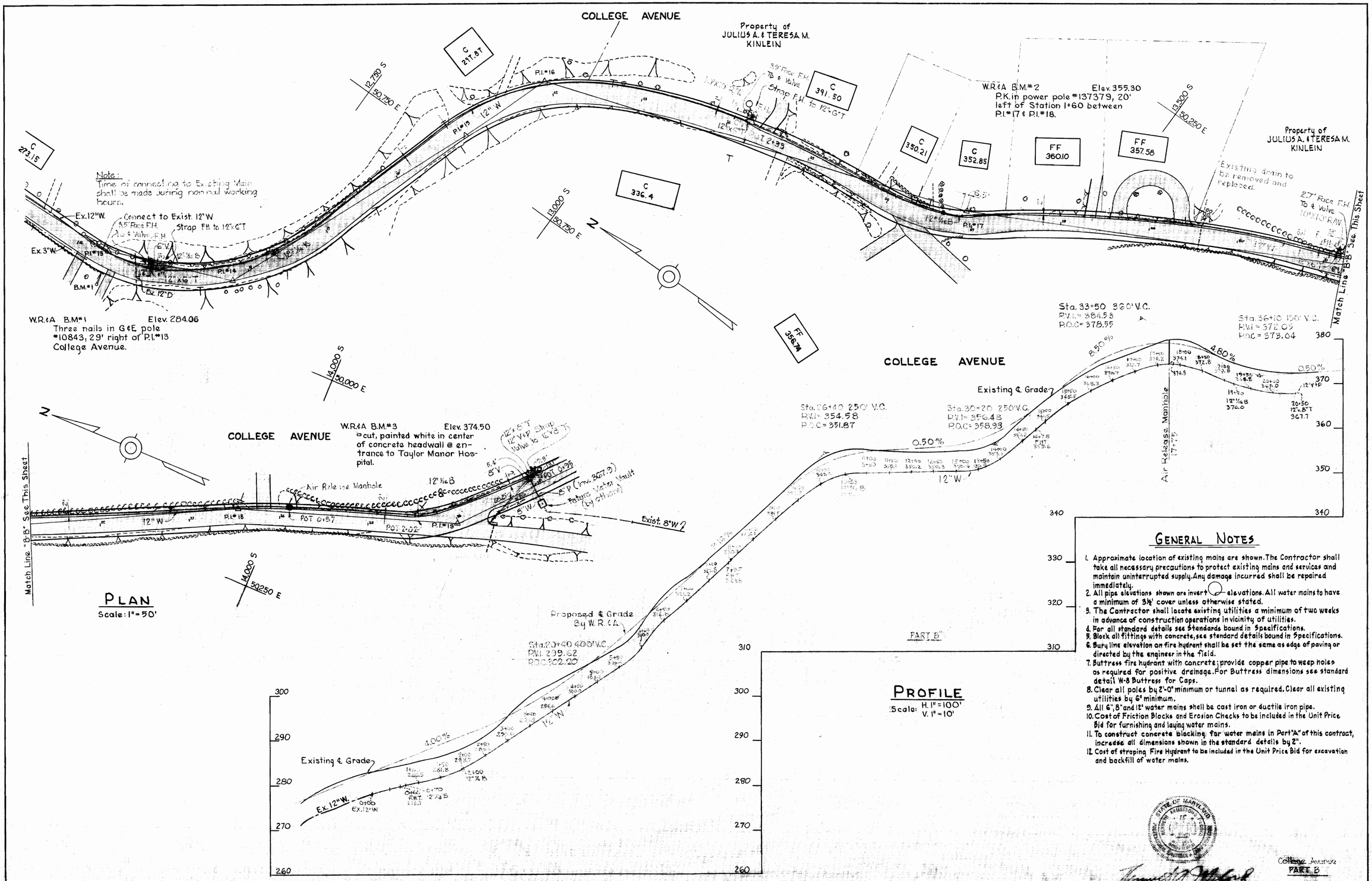
SCALE 1" = 50'

W.O. 5562-2

20 JUNE 67 AS BUILT

D. 3538

WS 134-W/1



GENERAL NOTES

1. Approximate location 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. All water mains to have a minimum of 3½' cover unless otherwise stated.
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. Block all fittings with concrete, see standard details bound in Specifications.
6. Bury line elevation on fire hydrant shall be set the same as edge of paving or directed by the engineer in the field.
7. Buttress fire hydrant with concrete; provide copper pipe to weep holes as required for positive drainage. For Buttress dimensions see standard detail W-8 Buttress for Caps.
8. Clear all poles by 2'-0" minimum or tunnel as required. Clear all existing utilities by 6" minimum.
9. All 6", 8" and 12" water mains shall be cast iron or ductile iron pipe.
10. Cost of Friction Blocks and Erosion Checks to be included in the Unit Price Bid for furnishing and laying water mains.
11. To construct concrete blocking for water mains in Part "A" of this contract, increase all dimensions shown in the standard details by 2".
12. Cost of straping Fire Hydrant to be included in the Unit Price Bid for excavation and backfill of water mains.

College Avenue
PART B
Contract No. 134-W

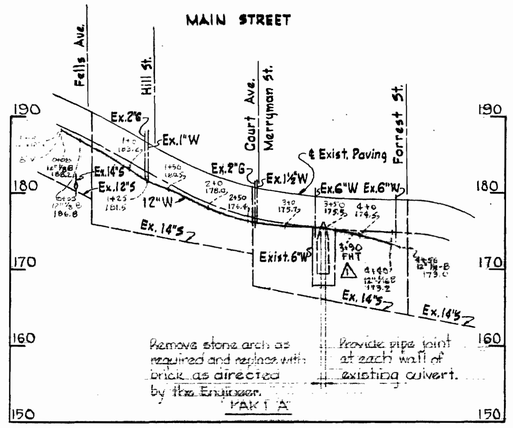
WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 11-8-66 DATE — W O Felbel CHIEF ENGINEER	CONTRACT NO. 134-W	PLAN AND PROFILE OF WATER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 2 OF 4	SCALE AS SHOWN

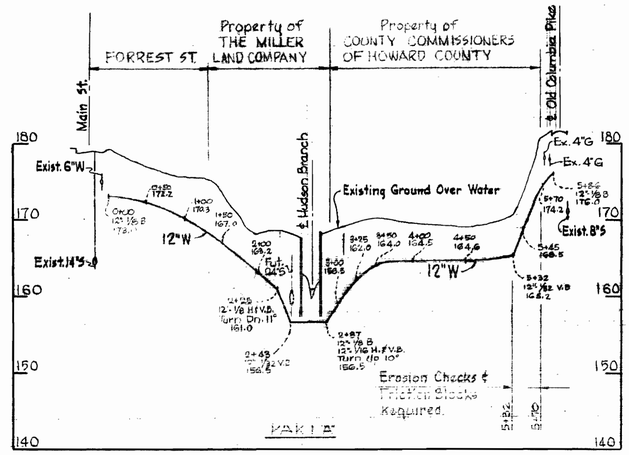
W. O. 5129-2

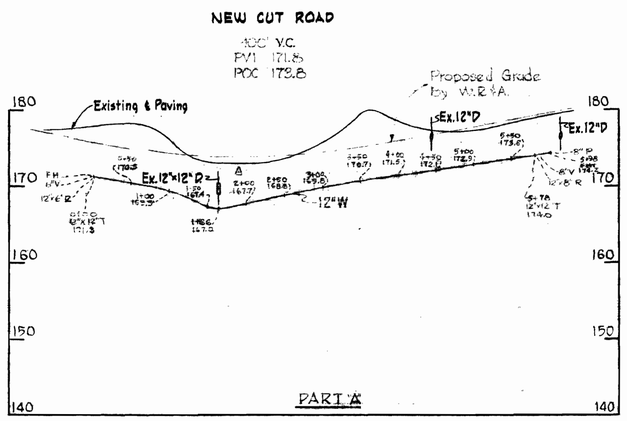
20 JUNE 67 AS BUILT FB 3636

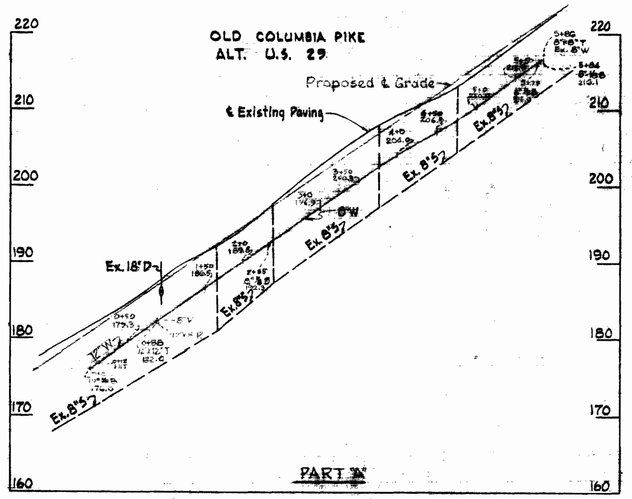
WS 134-W/2

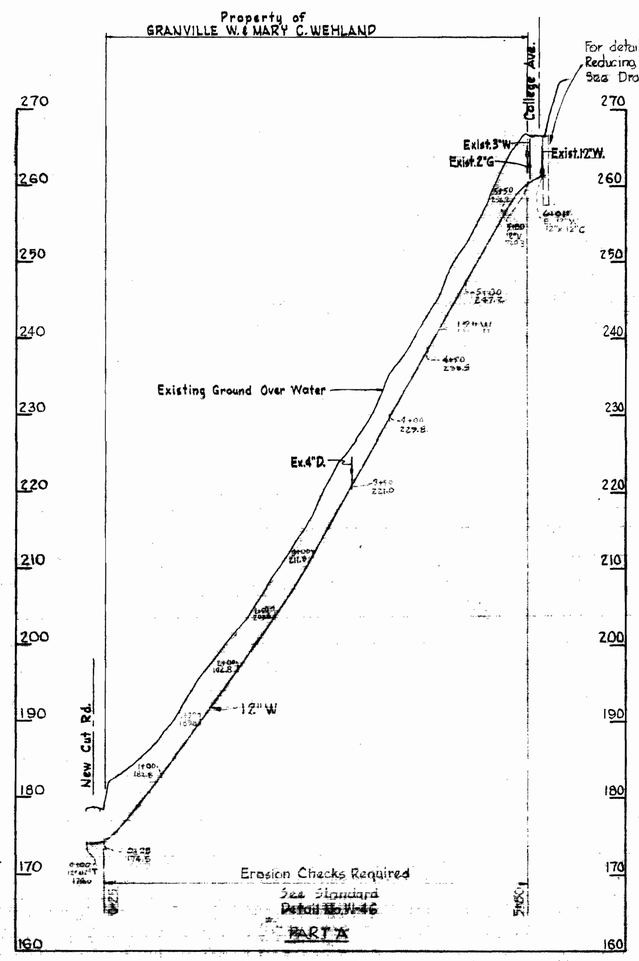
N. K. ELLIOTT CO., PGH., PA. REORDER A-33371



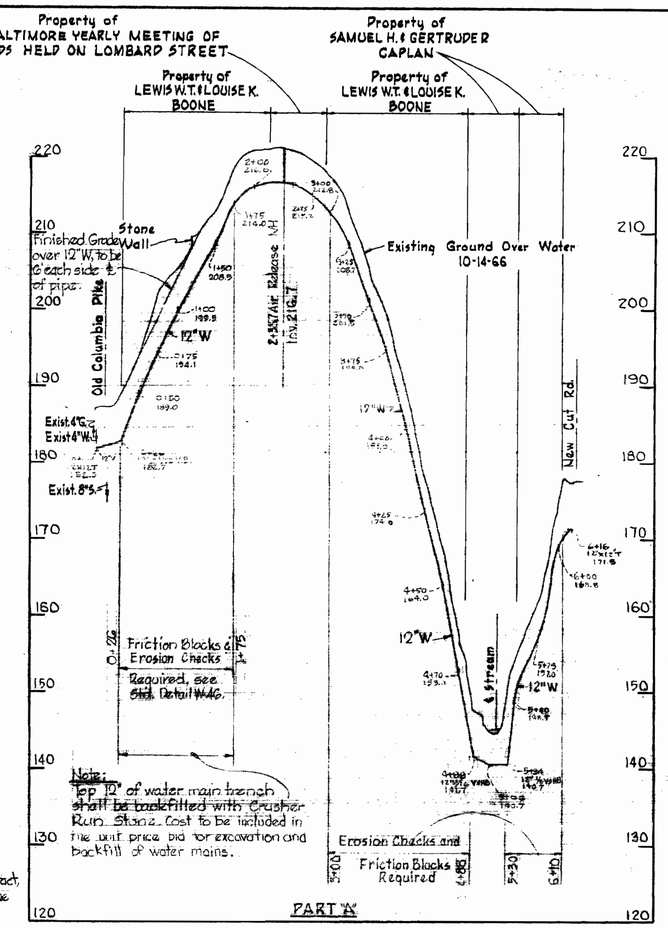






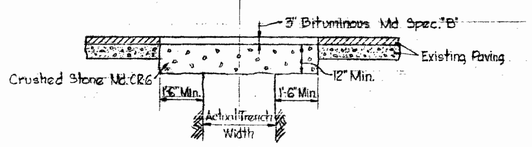


Note:
To construct concrete blocking for water mains in Part "A" of this contract, increase all dimensions shown in the standard details by 2".



Note:
Top 12" of water main trench shall be backfilled with Crusher Run Stone. Cost to be included in the unit price bid for excavation and backfill of water mains.

Note:
All water house connections constructed to Part "A" of the contract will require pressure reducing valves by the owners.



DETAIL FOR REPLACING PAVING IN MAIN STREET
Scale: 3/8"=1'

No	Date	Revision
1	12-9-66	Fire Hydrant tee added

Main Street to College Avenue
PART "A"
Contract No 134-W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 11-8-66 DATE W O Fulbert CHIEF ENGINEER	CONTRACT NO. 134-W	PROFILES OF WATER MAINS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 3 OF 4 SCALE H-1"=100' V-1"=10'

W. O. 5562-2

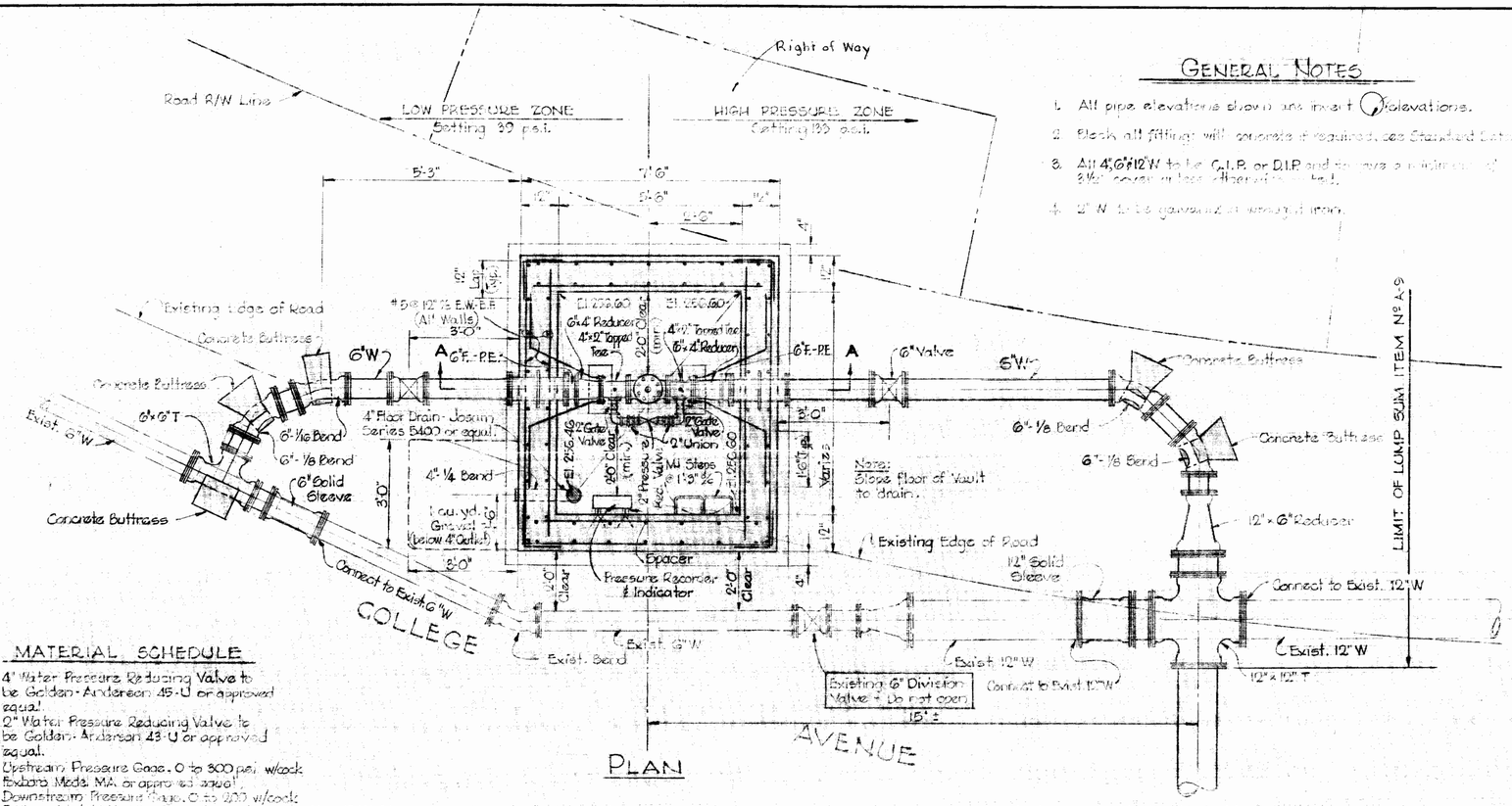
20 JUNE 67

WS 134-W/3

S. K. ELLIOTT CO., PGH., PA. REORDER A-33371

GENERAL NOTES

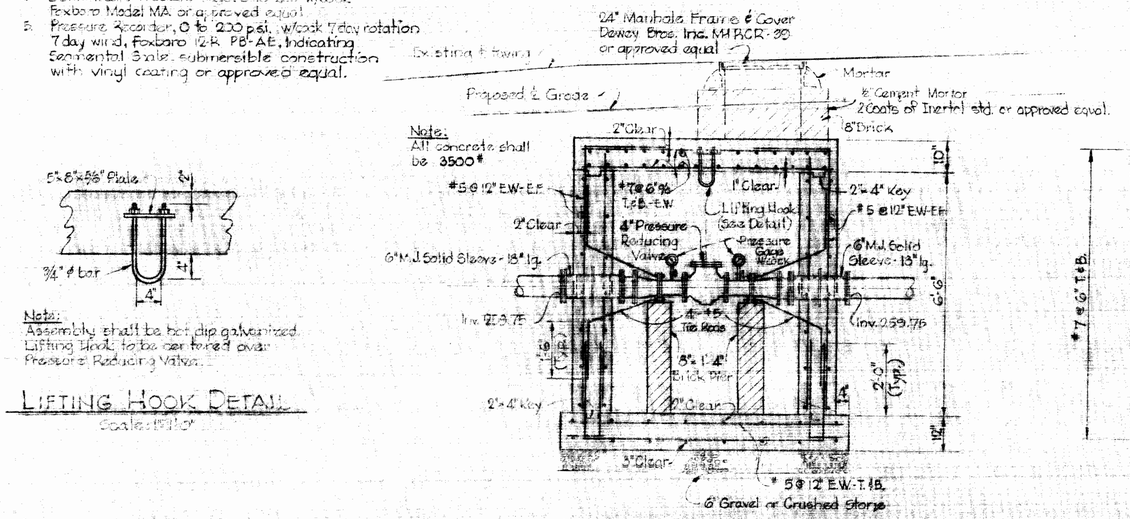
1. All pipe elevations shown are invert elevations.
2. Block all fittings with concrete if required, see Standard Details.
3. All 4", 6" & 12" W to be C.I.P. or D.I.P. and to have a minimum of 3½" cover unless otherwise noted.
4. 2" W to be galvanized wrought iron.



PLAN

MATERIAL SCHEDULE

1. 4" Water Pressure Reducing Valve to be Golden-Anderson 45-U or approved equal.
2. 2" Water Pressure Reducing Valve to be Golden-Anderson 43-U or approved equal.
3. Upstream Pressure Gage, 0 to 300 p.s.i. w/cock Foxboro Model MA or approved equal.
4. Downstream Pressure Gage, 0 to 200 w/cock Foxboro Model MA or approved equal.
5. Pressure Recorder, 0 to 200 p.s.i. w/cock 7 day rotation 7 day wind, Foxboro 12-R PB-AE, Indicating Segmental Scale, submersible construction with vinyl coating or approved equal.

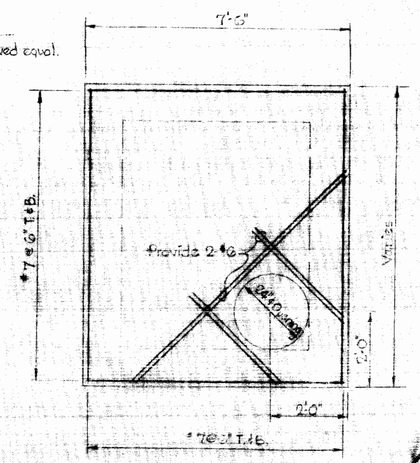


SECTION "A-A"

Note: Assembly shall be hot dip galvanized. Lifting Hook to be centered over Pressure Reducing Valve.

LIFTING HOOK DETAIL

Scale: 1"=1'-0"



PLAN - TOP SLAB

4" PRESSURE REDUCING VALVE VAULT

Scale: ½"=1'-0"

PART "A"
Contract 134-W

WHITMAN, REQUARDT & ASSOCIATES ENGINEERS 1304 ST. PAUL ST. BALTIMORE, MARYLAND	HOWARD COUNTY METROPOLITAN COMMISSION 11-8-66 DATE / CHIEF ENGINEER	CONTRACT NO. 134-W	DETAILS	ELECTION DISTRICT ELLICOTT CITY NO. 2	DRAWING NO. 4 OF 4	SCALE AS SHOWN

W.O. 5562-2

20 JUNE 67 AS BUILT

WS 134-W/4