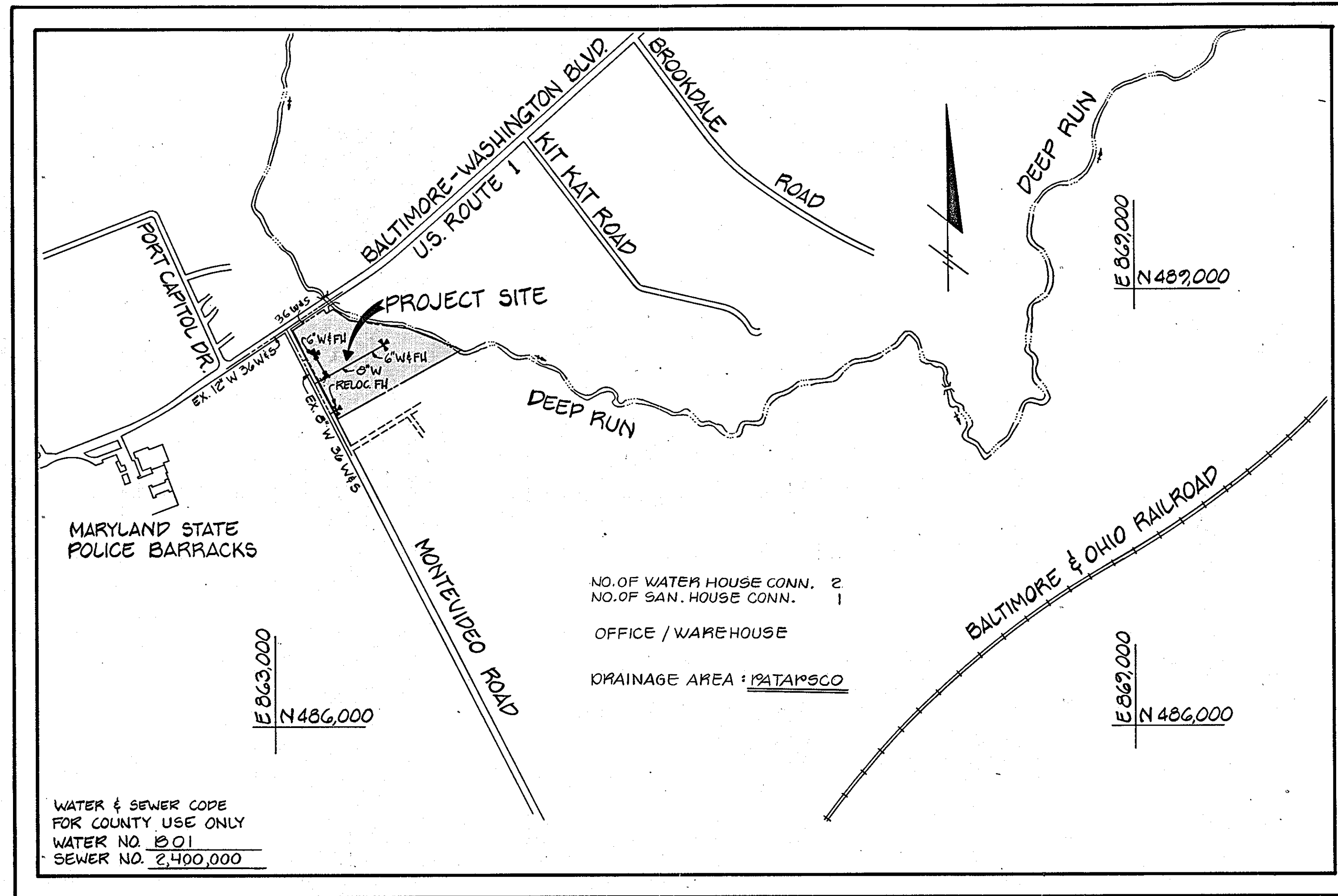


QUANTITIES			
ITEM	EST'D	AS BUILT	SUPPLIER
8" x 8" TAPPING SLEEVE & 8" VALVE	1	1	M&H VALVE CO.
8" x 6" TEE & 6" VALVE	1	1	GRIFFIN M&H VALVE CO.
FIRE HYDRANT	2	2	KENNEDY
8" x 8" TEE	2	2	GRIFFIN
1/2" HD. Δ	2	2	
8" x 6" REDUCER	1	1	GRIFFIN
6" VALVE	2	2	M&H VALVE CO.
8" VALVE	2	2	M&H VALVE CO.
8" WATER	700 LF	622'	GRIFFIN
6" WATER	87 LF Δ	205'	GRIFFIN
8" S.H.C.	10 LF	10'	LCP PLASTICS



VICINITY MAP
SCALE: 1" = 600'

CONTRACT NO. 14-1623-D
7151, 7155 MONTEVIDEO ROAD
WATER MAIN EXTENSIONS
HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS

GENERAL NOTES

- 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 TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- ALL HORIZONTAL CONTROLS ARE BASED ON MD. STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INV. ELEVATIONS.
- CLEAR ALL UTILITIES BY A MIN. OF 6" CLEAR, ALL POLES BY 2'-0" MIN. OR TUNNEL AS REQUIRED. ANY COSTS INCURRED TO THE CONTRACTOR FOR TUNNELING OR BRACING AT POLES SHALL BE INCLUDED IN UNIT PRICES BID FOR EXCAVATION AND BACKFILL.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS USE HOWARD COUNTY STANDARD DETAILS.
- FOR MATERIALS AND CONSTRUCTION METHODS USE HOWARD COUNTY STANDARD SPECIFICATIONS.
- CONTRACTOR SHALL LOCATE EXISTING UTILITIES A MIN. OF 2 WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS IN THE VICINITY OF PROPOSED UTILITIES AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE (5) DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS.
 - BALTO. GAS AND ELECTRIC CO. UNDERGROUND ELECTRIC DISTRIBUTION CUSTOMER SERVICE - 685-0123. UNDERGROUND GAS DISTRIBUTION CUSTOMER SERVICE - 685-0123.
 - ENGINEERING DAMAGE CONTROL - 234-5621.
 - MISS UTILITY 8 1-599-0100.
 - CHESAPEAKE & POTOMAC (C & P) TELEPHONE CO. - 725-9976.
 - AMERICAN TELEPHONE AND TELEGRAPH-CABLE LOCATION DIV. - 393-3553.
 - COLONIAL PIPELINE-DIV. OF ENGINEERING - 781-4641.
 - BUREAU OF UTILITIES OF HOWARD COUNTY - 992-2366
 - C & P TELEPHONE CO. - 725-9976
- ALL WATER MAINS TO BE C.I.P. OR D.I.P. UNLESS OTHERWISE NOTED.
- TOP OF ALL WATERMANS TO HAVE MIN. 3 1/2 FT. COVER.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- BLOCK ALL FITTINGS WITH CONCRETE.
- BURY LINE ELEVATION ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS. SOIL AROUND FIRE HYDRANTS TO BE COMPACTED IN ACCORDANCE WITH SECTION 10.03 & 10.08 OF THE STANDARD SPECIFICATIONS.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- PLACE REGULATION MEN WORKING AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.

ALL SEDIMENT CONTROL OPERATIONS ARE TO BE DONE IN ACCORDANCE WITH ARTICLE 15 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AND AS SHOWN ON THE GRADING AND SEDIMENT CONTROL PLAN SDP 87-08

REVIEW FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. ... 4-6-87
U.S. SOIL CONSERVATION SERVICE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY HOWARD SOIL CONSERVATION DISTRICT

APPROVED: *Stephen L. ...* 4/6/87
HOWARD SOIL CONSERVATION DISTRICT DATE

DEVELOPER
P.F. OBRECHT MANAGEMENT CO., INC.
9475 DEERCO RD
TIMONIUM, MARYLAND 21093
301-561-5858

INDEX OF SHEETS

- TITLE SHEET
- WATERMAIN PLAN AND PROFILES

SDP 87-08

CONTRACT NO. 14-1623-D
7151, 7155 MONTEVIDEO ROAD
WATER AND SEWER EXTENSION
HOWARD COUNTY, MARYLAND

TAX MAP 43

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
James F. ... 4-13-87
DIRECTOR OF PUBLIC WORKS DATE
Richard J. ... 3-31-87
CHIEF BUREAU OF UTILITIES DATE
John C. ... 4-10-87
CHIEF BUREAU OF ENGINEERING DATE
Richard L. ... 4-10-87
CHIEF LAND DEVELOPMENT DIVISION DATE

STV / LYON ASSOCIATES
Engineers Surveyors Planners
21 Governor's Court, Baltimore, Maryland 21207
Telephone: 301-944-9112
DONALD J. WISE 1/10/87
DATE

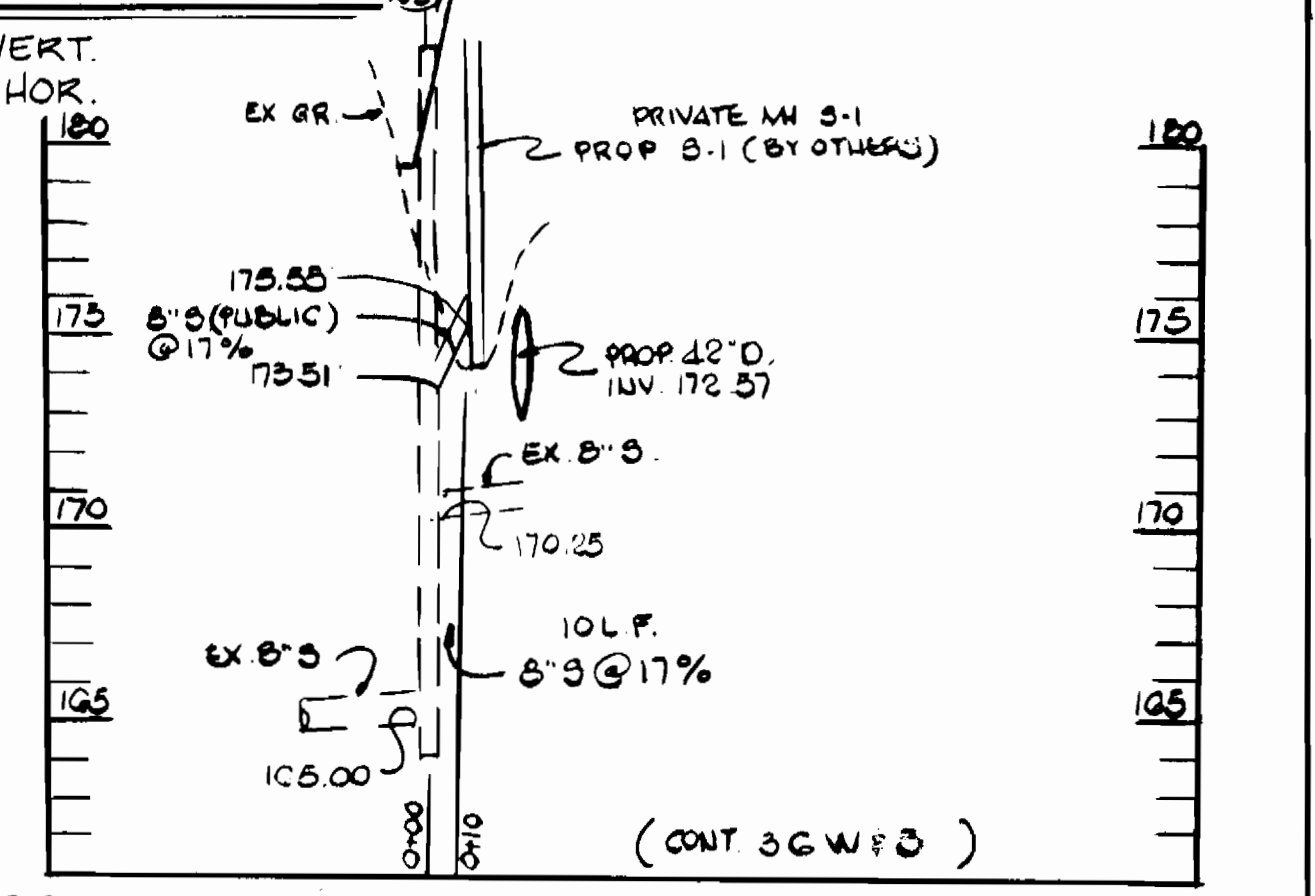
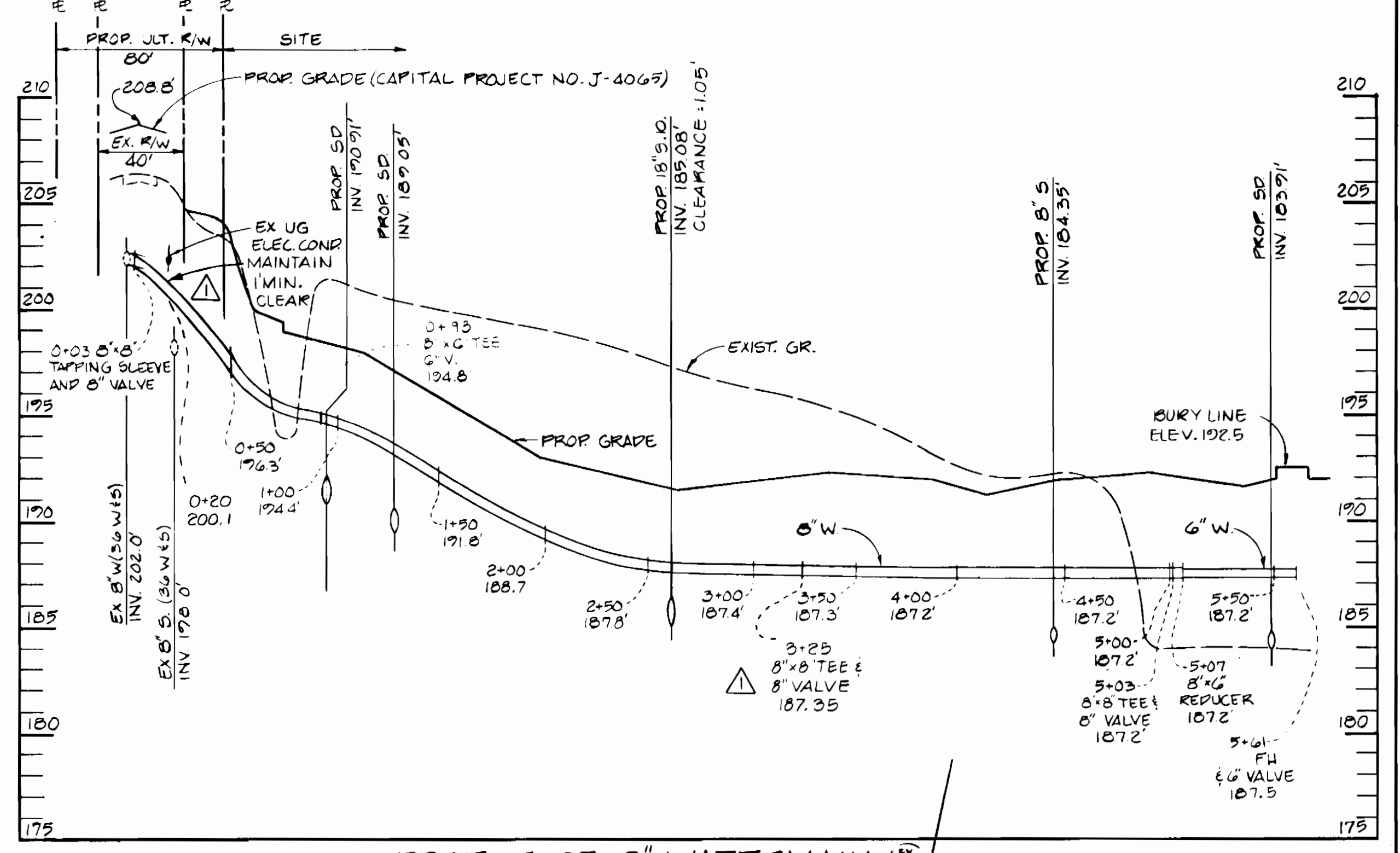
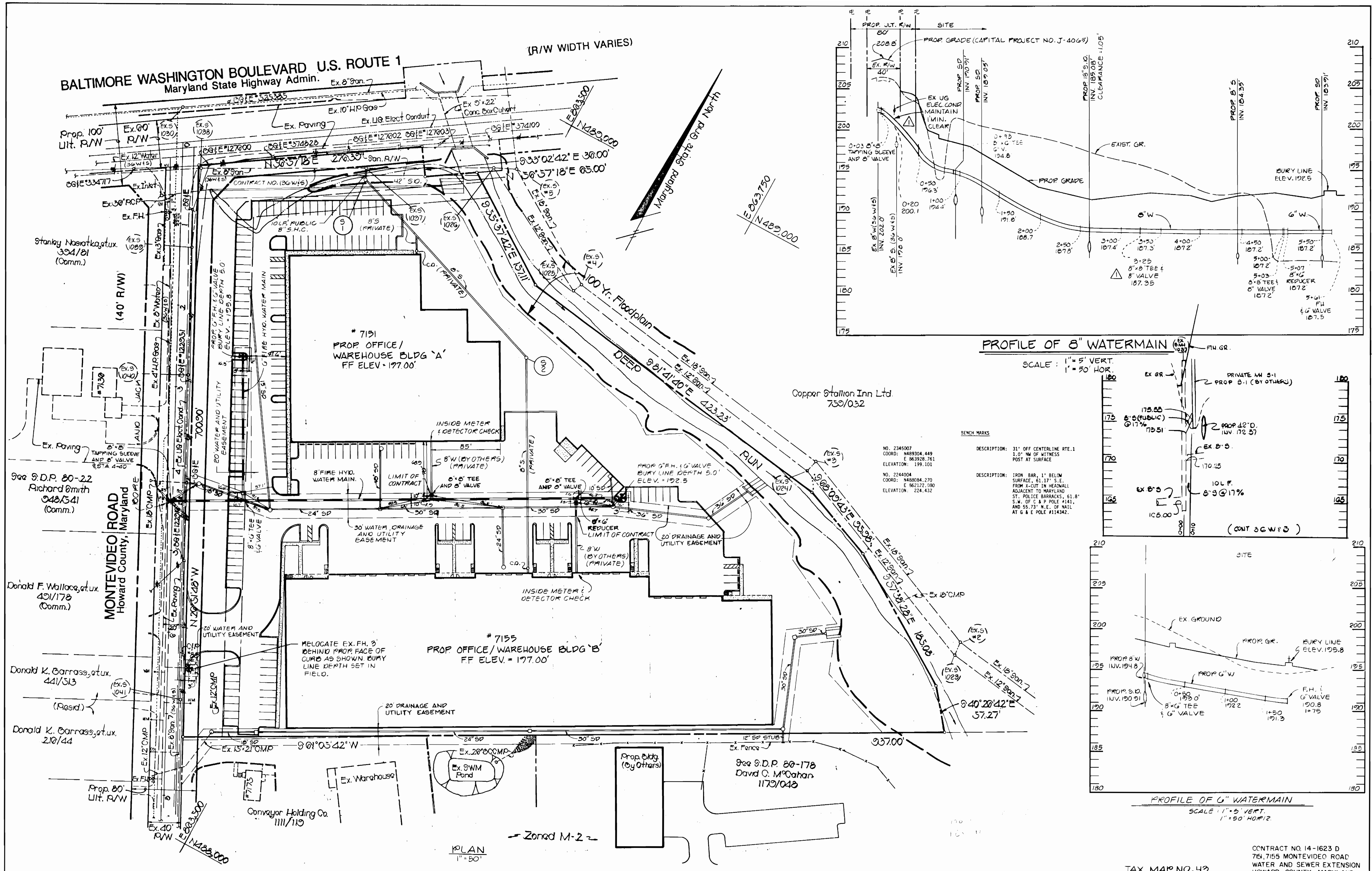
DES.	EAS.	REVISION	DATE
CO.R	Δ	REVISED AS PER HOWARD CO. COMM. RELOCATE FIRE HYDRANT/REUSE; ADD QUANTITIES	4/18/87
J.E.F.	Δ		4/22/87
J.W.R.			
DATE: 1/20/87	BY NO.	REVISION	

TITLE SHEET

7151, 7155 MONTEVIDEO RD.
CONTRACT NO. 14-1623-D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
SCALE AS SHOWN
SHEET 1 of 2

BALTIMORE WASHINGTON BOULEVARD U.S. ROUTE 1
Maryland State Highway Admin.

(R/W WIDTH VARIES)



BENCH MARKS

DESCRIPTION: 31' OFF CENTERLINE RTE. 1
1.0' NW OF WITNESS POST AT SURFACE

DESCRIPTION: IRON BAR, 1' BELOW SURFACE, 61.17' S.E. FROM 1-CUT IN NEAR WALL ADJACENT TO MARYLAND ST. POLICE BARRACKS, 61.8' S.W. OF C & P POLE #141, AND 55.73' N.E. OF NAIL AT G & E POLE #114342.

NO. 2345007
COORD: N489304.449
E 863928.761
ELEVATION: 199.101

NO. 2244004
COORD: N488084.270
E 862122.080
ELEVATION: 224.432

PLAN
1" = 50'

Zoned M-2

TAX MAP NO. 42

CONTRACT NO. 14-1623 D
715, 7155 MONTEVIDEO ROAD
WATER AND SEWER EXTENSION
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: *[Signature]* 4-13-87
Chief, Bureau of Engineering: *[Signature]* 4-10-87
Chief, Bureau of Utilities: *[Signature]* 3-31-87
Chief, Land Development Division: *[Signature]*

STV / LYON ASSOCIATES
Engineers Surveyors Planners
21 Governor's Court Baltimore, Maryland 21207
Telephone: 301-944-9112

[Signature]
DONALD J. WISE
DATE: 1/3/87

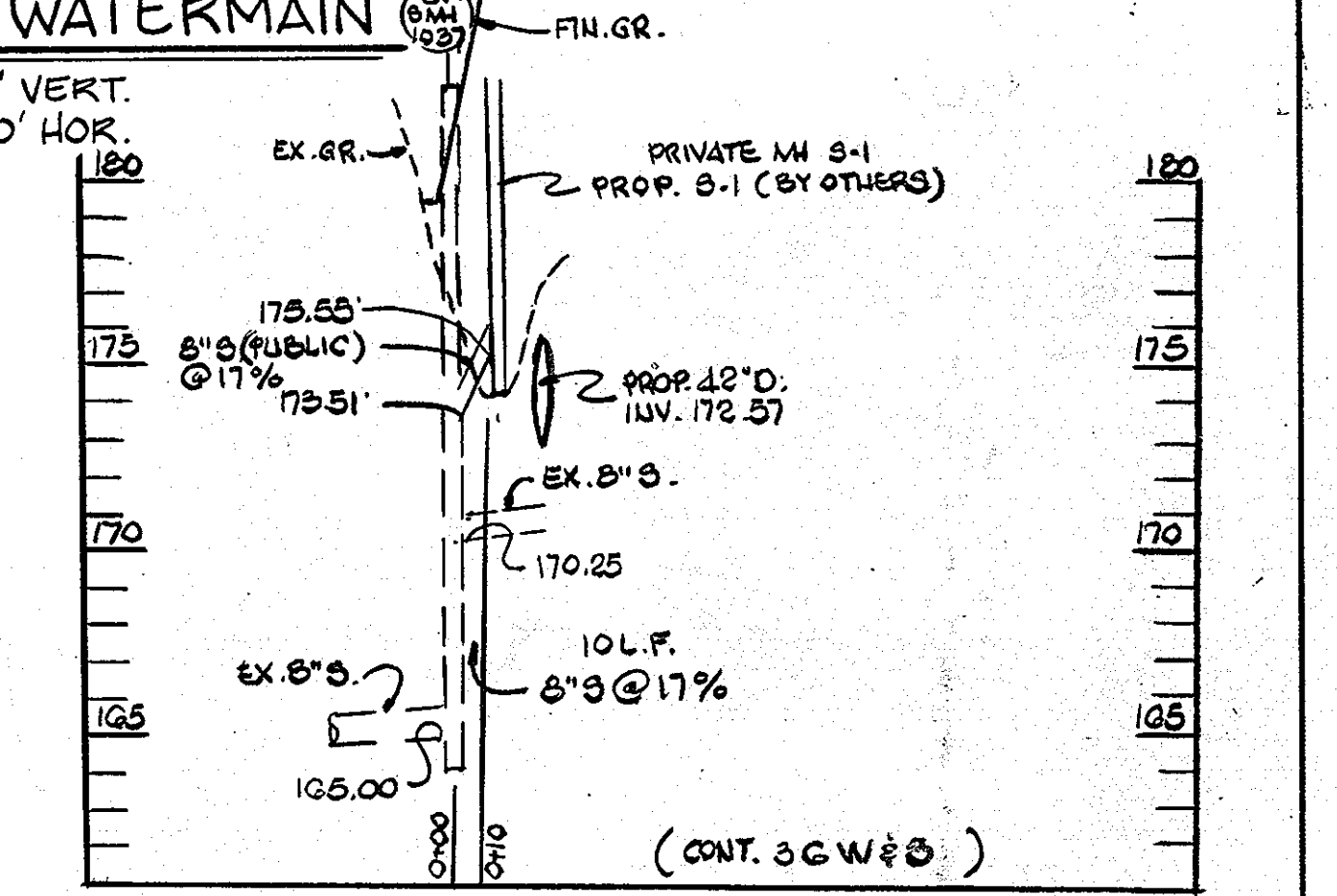
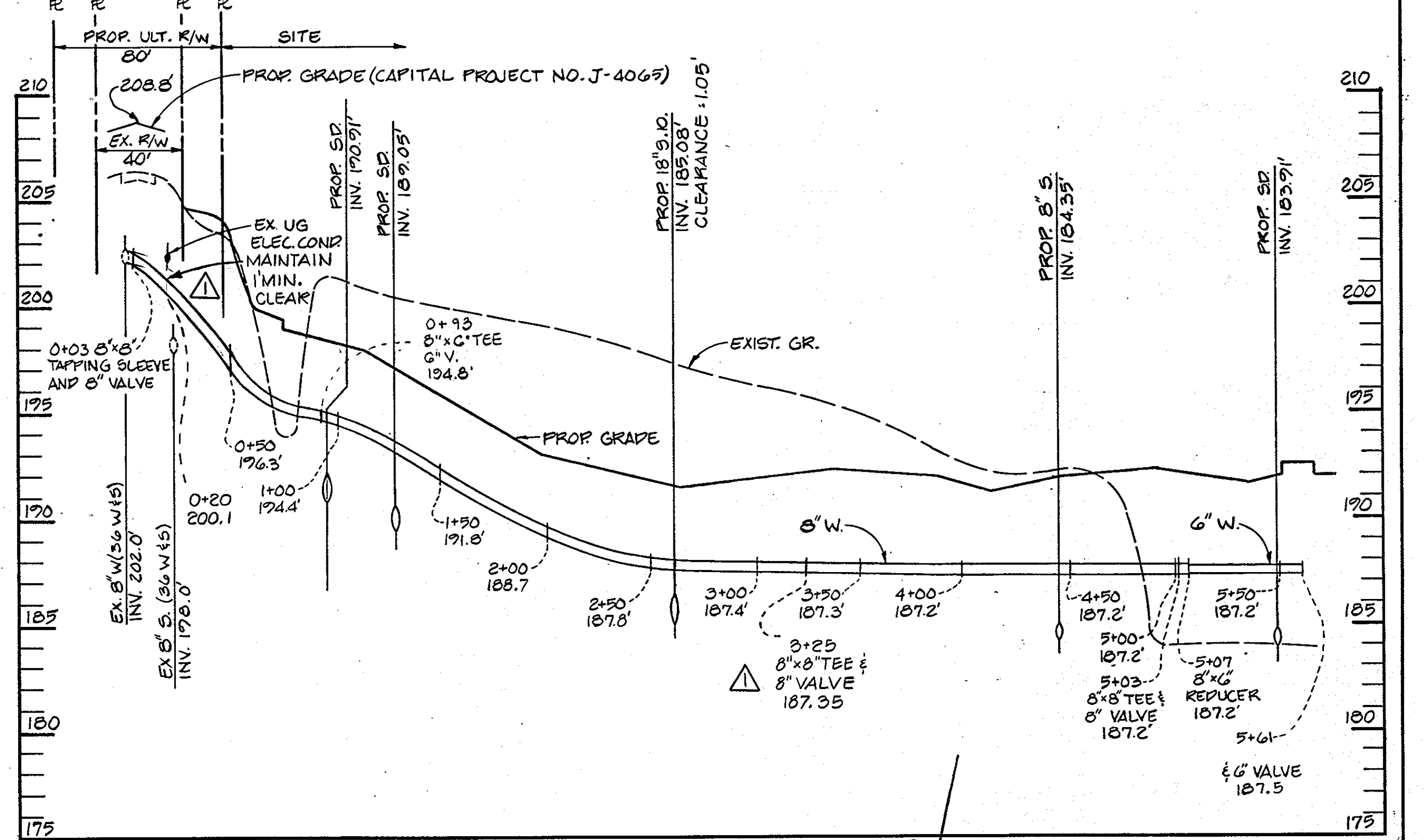
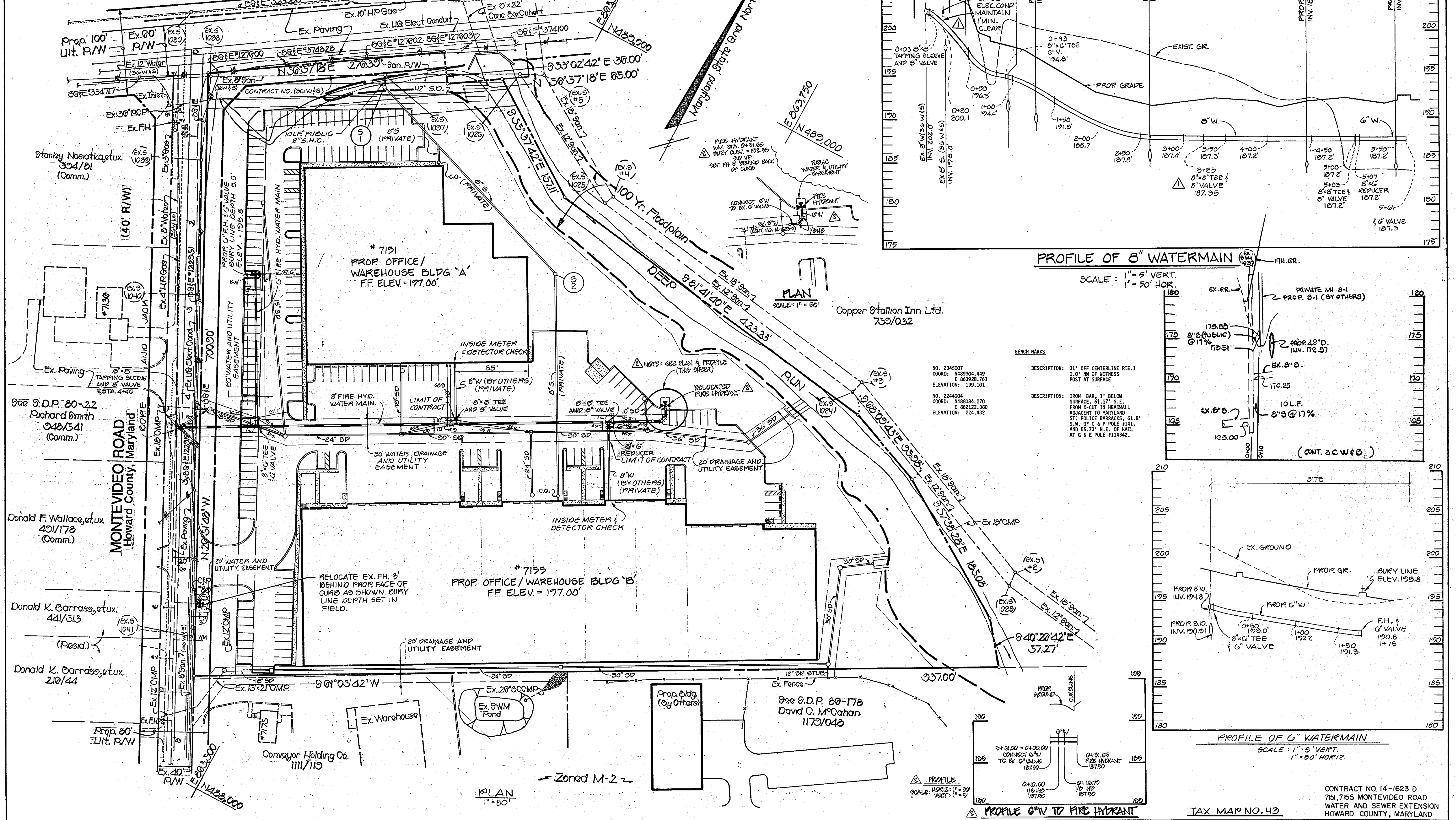
DESIGNER	DATE	REVISION	DATE
DES: P.O.P.	1/3/87	1	3/31/87
FAS		2	6-18-87
DRN: JEF		3	
CHK: DR			
DATE: 1/3/87			

WATERMAIN PLAN & PROFILES

7151, 7155 MONTEVIDEO RD.
CONTRACT NO. 14-1623 D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 of 2

BALTIMORE WASHINGTON BOULEVARD U.S. ROUTE 1
Maryland State Highway Admin.



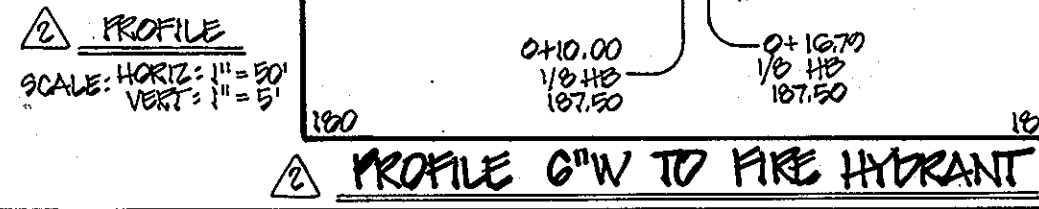
BENCH MARKS

NO. 2345007
COORD: N489304.449
E 863928.761
ELEVATION: 199.101

NO. 2244008
COORD: N489084.270
E 862122.080
ELEVATION: 224.432

DESCRIPTION: 31' OFF CENTERLINE RTE. 1
1.0' IN WITNESS POST AT SURFACE

DESCRIPTION: IRON BAR, 1" BELOW SURFACE, 51.17' S.E. FROM X-CUT IN HEADMALL ADJACENT TO MARYLAND ST. POLICE BARRACKS, 51.8' S.W. OF C & P POLE #141, AND 55.73' N.E. OF NAIL AT G & E POLE #114342.



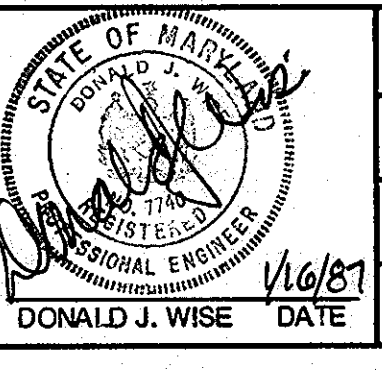
CONTRACT NO. 14-1623 D
7151, 7155 MONTEVIDEO ROAD
WATER AND SEWER EXTENSION
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

4-13-87
DATE

3-31-87
DATE

STV / LYON ASSOCIATES
Engineers Surveyors Planners
21 Governor's Court Baltimore, Maryland 21207
Telephone: 301-944-9112



DESIGN	BY	NO.	REVISION	DATE
EAS	I	1	PER COUNTY COMMENTS	3/31/87
EAS	Δ	2	REVISED PER COUNTY COMM.	6-18-87
DRN	JEF	1	REVISED TO AS BUILT	
CHK	AKR	1	RELOCATE FIRE HYDRANT/ADD PLAN DETAIL & PROFILE	11/20/87
DATE:	1/9/87			

WATERMAIN PLAN & PROFILES

7151, 7155 MONTEVIDEO RD.

CONTRACT NO. 14-1623 D
FIRST ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 2 of 2