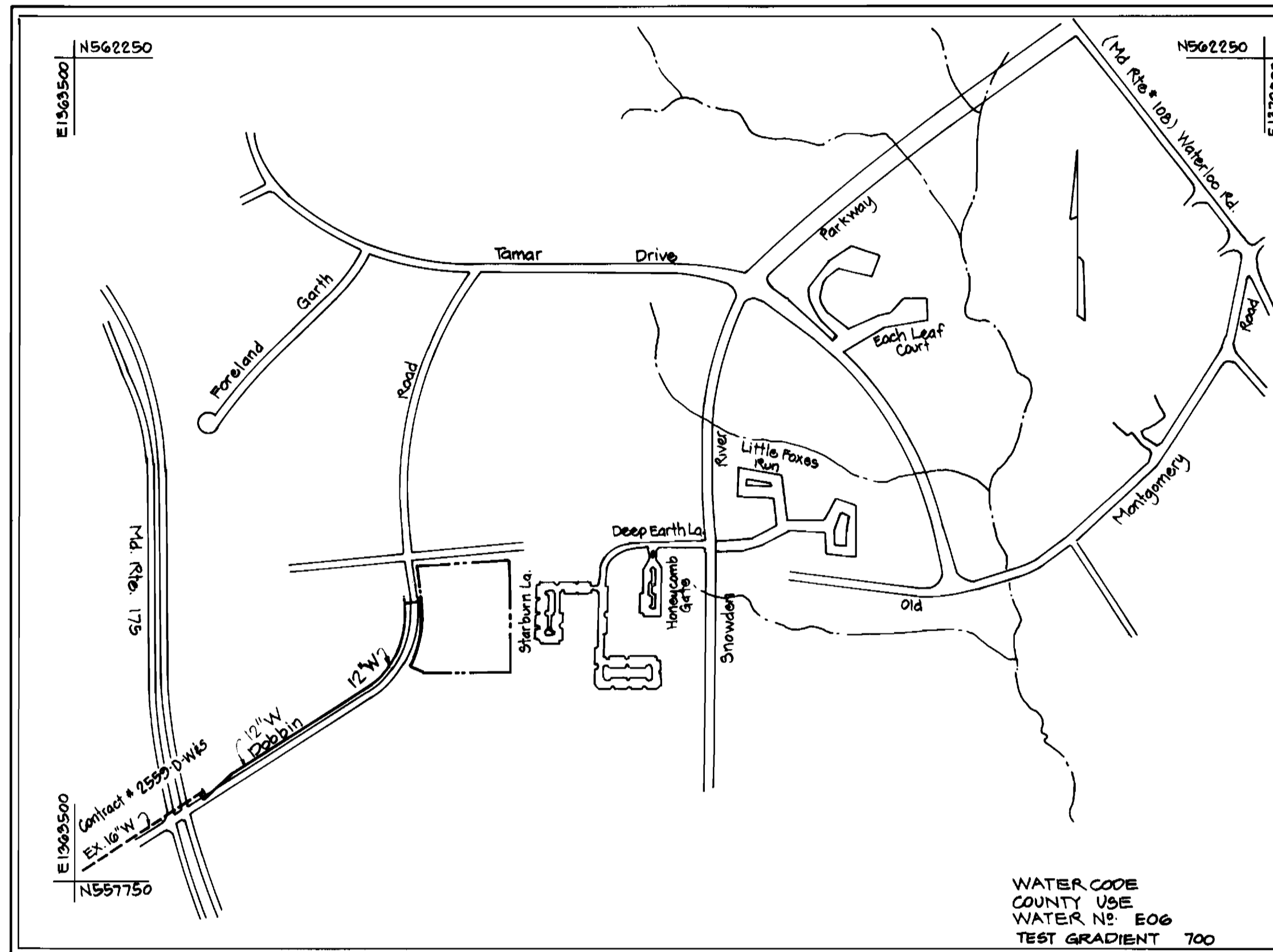
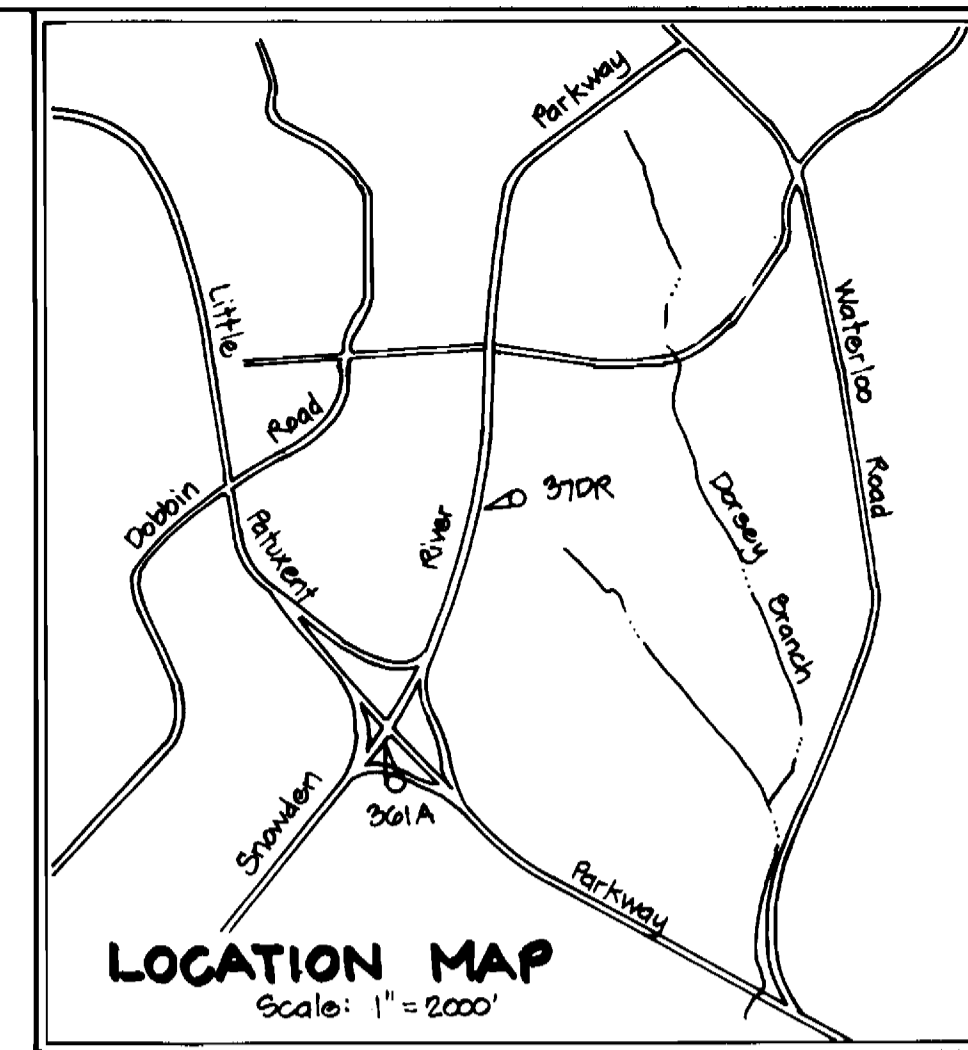


CONTRACT NO. 44-3300 D
 VILLAGE OF LONGREACH
 HOWARD COUNTY, MARYLAND
 DEPARTMENT OF PUBLIC WORKS



GENERAL NOTES

- PART I**
- 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 Maryland State Coordinates.
 - All vertical controls are based on U.S.S. data.
 - All pipe elevations shown are invert elevations.
 - Clear all utilities by a minimum of 6' clear all poles by 2'-0" minimum or tunnel as required. The owner has contacted the utility companies and has made arrangements for bracing of poles as shown on the drawings. In the event the contractor's work requires the bracing of additional poles, any costs incurred by the owner for bracing of additional poles or damages shall be deducted from money owed the contractor. The contractor shall coordinate with the utility companies to schedule the bracing of the poles.
 - For details not shown on the drawings and for materials and construction methods use Howard County Design Manual, Volume III, Standard Specifications and Detail for Construction (Latest Edition). The Contractor shall have a copy of Volume III on the job.
 - Where test pits have been made on existing utilities, they are noted by the symbol at the location of the test pit. A note or notes containing the results of the test pit or pits is included on the drawings. Existing utilities in the vicinity of the proposed work for which test pits have not been dug shall be located by the contractor two weeks in advance of construction operations at his own expense.
 - Contractor shall notify the following utility companies or agencies at least five working days before starting any work shown on these plans:
 - State Highway Administration 551-5535
 - B.G. & E. Co. Contractor Services 850-4020
 - B.G. & E. Under Ground Damage Control 787-9068
 - Miss Utility 1-800-257-7777
 - Colonial Pipeline Co. 795-1350
 - Howard County Department of Public Works 313-4900
 - Bureau of Utilities
 - Trees and shrubs are to be protected from damage to maximum extent. Trees and shrubs located within the construction strip are not to be removed or damaged by the contractor.
 - Contractor shall remove trees, stumps and roots along line of excavation. Payment for such removal shall be included in the unit price bid for construction of the main.
 - The Contractor shall notify the Bureau of Highways, Howard County, at 410-315-2450 at least five working days before any open cut of any county road or boring/jacking operation in county roads for laying water/sewer mains or house connections. The approval of these drawings will constitute compliance with DPW requirements per Section 18.114 (A) of the Howard County Code.

- PART II - WATER**
- All water mains to be D.I.P. Class B2 unless otherwise noted.
 - Tops of all water mains to have a minimum of 3/2% cover unless otherwise noted.
 - Valves adjacent to trees shall be strapped to trees.
 - All fittings shall be buttressed or anchored with concrete in accordance with the standard details unless otherwise provided for on the drawings.
 - Fire hydrants shall be set to the bury line elevations shown on the drawings. All fire hydrants shall be restrained and buttressed with concrete in accordance with standard details. Soil around the fire hydrant shall be compacted in accordance with Section 1000 and 1005 of the standard specifications.
 - The Contractor shall not operate any water main valves on the existing water system.
 - All water house connections shall be for inside meter setting unless otherwise noted on plans or in specifications.

ITEM	QUANTITIES		AS-BUILT		MANUFACTURER/SUPPLIER
	ESTIMATED	QUANTITIES	TYPE		
12" W	1780 LF	1751 LF	D.I.P.	U.S. PIPE CO.	
8" W	40 LF	38 LF	D.I.P.	U.S. PIPE CO.	
6" W	40 LF	41 LF	D.I.P.	U.S. PIPE CO.	
Fire Hydrant	4 EA.	4 EA.	CAST IRON	ZUS PIPE/ZMUELLER CO.	
12" Valve	1 EA.	1 EA.	CAST IRON	MUELLER CO.	
8" Valve	1 EA.	1 EA.	CAST IRON	MUELLER CO.	
12" X 8" Tee	4 EA.	4 EA.	D.I.P.	U.S. PIPE CO.	
12" X 6" Tee	1 EA.	1 EA.	D.I.P.	U.S. PIPE CO.	
12" Cap &	1 EA.	1 EA.	D.I.P.	U.S. PIPE CO.	
16" X 12" Flapping Sleeve & Valve	1 EA.	1 EA.	(CAST IRON)	MUELLER CO.	
Air Release Valve	1 EA.	1 EA.	(D.I.P.)	MUELLER CO.	
Manhole	1 EA.	1 EA.	PRE-CAST	ATLANTA PIPE & SUPPLY CO.	

NAME OF UTILITY CONTRACTOR: IACOSONI-SITE-RECONSTRUCTION INC.
 SURVEY AND DRAFTING DIVISION AS BUILT DATE:

TYPE OF BUILDING	N/A
NO. OF LOTS / PARCELS	N/A
NO. OF WATER HOUSE CONNECTIONS:	N/A
NO. OF SEWER HOUSE CONNECTIONS:	N/A
DRAINAGE AREA:	DORSEY RUN
TREATMENT PLANT:	LITTLE PATUXENT WATER QUALITY MANAGEMENT CENTER, SAVAGE, HOWARD COUNTY

BENCHMARK

DESCRIPTION
 Sta. 37DR (1/4" Rebar) N169881.1794, E416366.7155
 (For Horizontal Control Only)
 Station is located 0.45¹/₂ Miles North of Route 175 and 46' East of the East Curb of Snowden River Parkway.

BENCHMARK

DESCRIPTION
 Sta. 361A (Conc. Mon.) N169205.0263, E416319.5113
 (For Horizontal Control Only)
 Station is located at the Southeast Corner of the Intersection of Snowden River Parkway and Rte 175 5' from Curb and 57' from Guardrail End.

BENCHMARK

DESCRIPTION
 Sta. 2542001 (Concrete Monument) Elev 426.971 (For Vert. Control Only)
 Station is located on B.G. & E. Transmission Lines 1060' S.W. of Dobbin Road.

BENCHMARK

DESCRIPTION
 Sta. 2542002 (Concrete Monument) Elev 363.658 (For Vert. Control Only)
 Station is located 1000' West of Rte. 175 on Transmission Line at G & E Tower 19-E near Hanovers Restaurant Entrance.

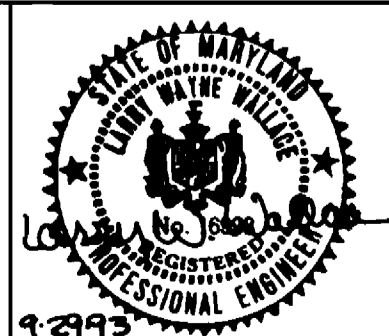
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT
John R. Roberts 1/24/94
 SIGNATURE DATE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT.
Patty Engler 1/24/94
 HOWARD COUNTY S.C.D. DATE

SEDIMENT CONTROL MEASURES WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND WITH ROAD CONSTRUCTION PLANS F-93-130

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
James J. Shinn 1/28/94
 DIRECTOR OF PUBLIC WORKS - DATE
Robert B. Bassinger 1-6-93
 CHIEF - BUREAU OF UTILITIES - DATE

DMW
 Daft · McCune · Walker, Inc.
 A Team of Land Planners, 200 East Pennsylvania Avenue
 Landscape Architects, Towson, Maryland 21286
 Engineers, Surveyors & Environmental Professionals 410-294-3333
 Fax: 294-4705



DESIGN BY:	
DRAWN BY:	
CHECKED BY:	
DATE:	

BY	NO.	REVISION	DATE

COLUMBIA
VILLAGE OF LONGREACH
SECTION 4 AREA 3
 PARCEL C-1 LOTS 91 & 92
 6TH ELECTION DISTRICT
 TITLE SHEET
 CONTRACT NO. 44-3300 D

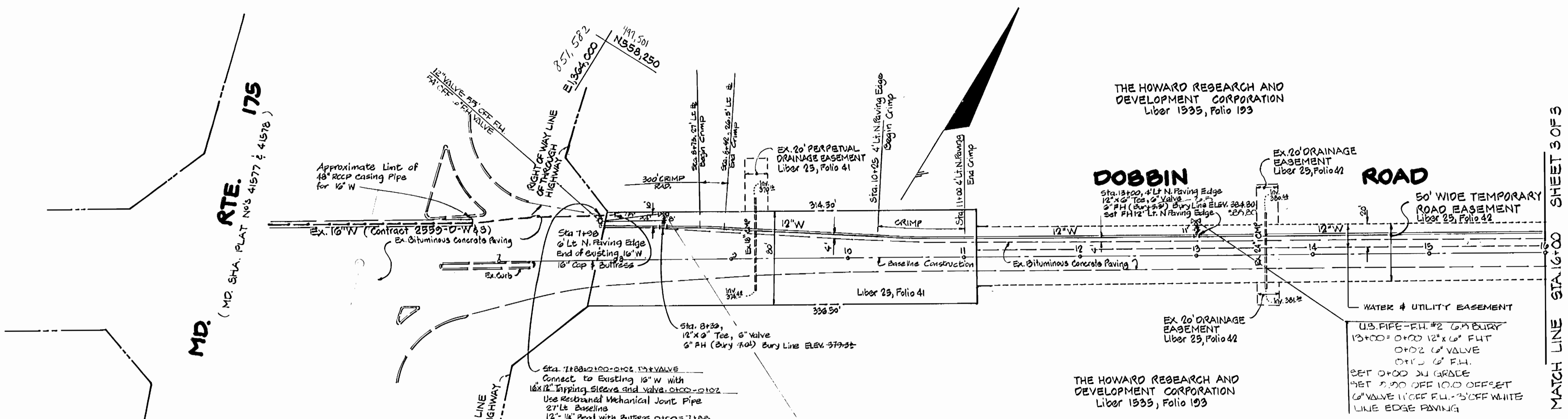
SCALE AS SHOWN
 SHEET 1 OF 3

3300 WS/1 VLR 4/3 AB

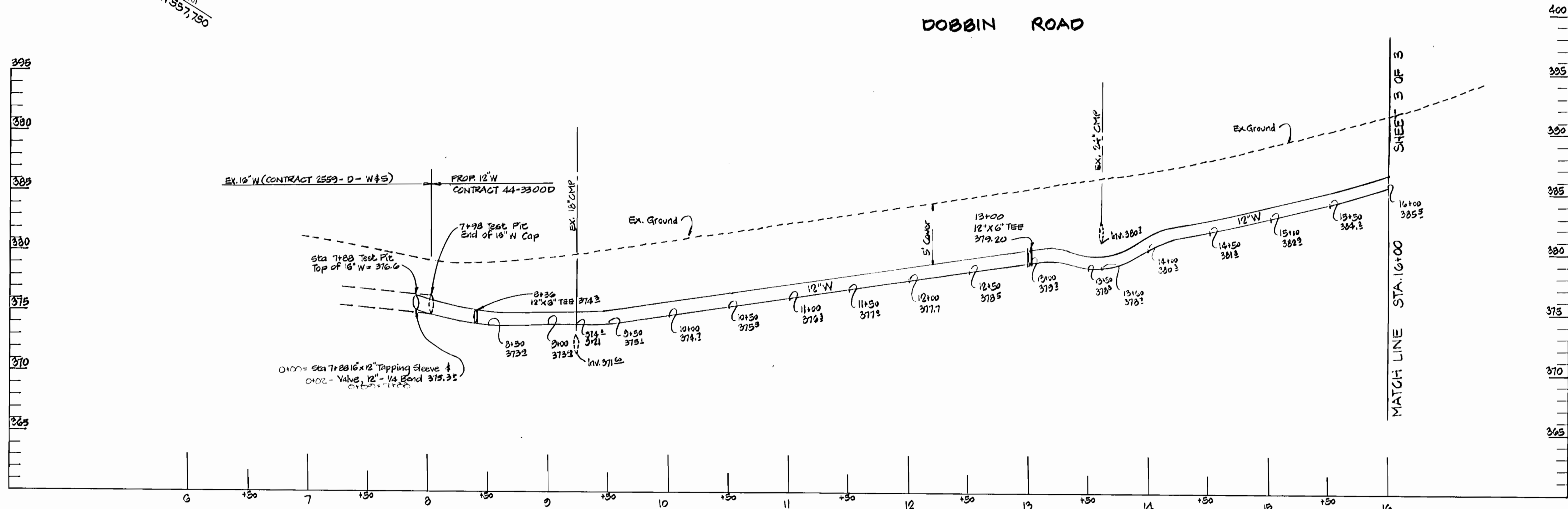
AP

VLR 1/3

3300 WS/2



PLAN
Scale: 1" = 50'



PROFILE
Scale: Horiz. 1" = 50'
Vert. 1" = 5'

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

SIGNATURE _____ DATE _____

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

APPROVED

HOWARD S.C.D. _____ DATE _____

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. Shaw 1/28/93
DIRECTOR OF PUBLIC WORKS - DATE

Robert M. Berman 1-6-93
CHIEF - BUREAU OF UTILITIES - DATE

Paul J. Soren 1/27/04
CHIEF - BUREAU OF ENGINEERING - DATE

Robert M. Berman 1/27/04
CHIEF - LAND DEVELOPMENT DIVISION - DATE

DMW
Daft · McCune · Walker, Inc.

A Team of Land Planners, 200 East Pennsylvania Avenue
Landscape Architects, Towson, Maryland 21286
Engineers, Surveyors & Environmental Professionals 410 296 3333 Fax 296 4705



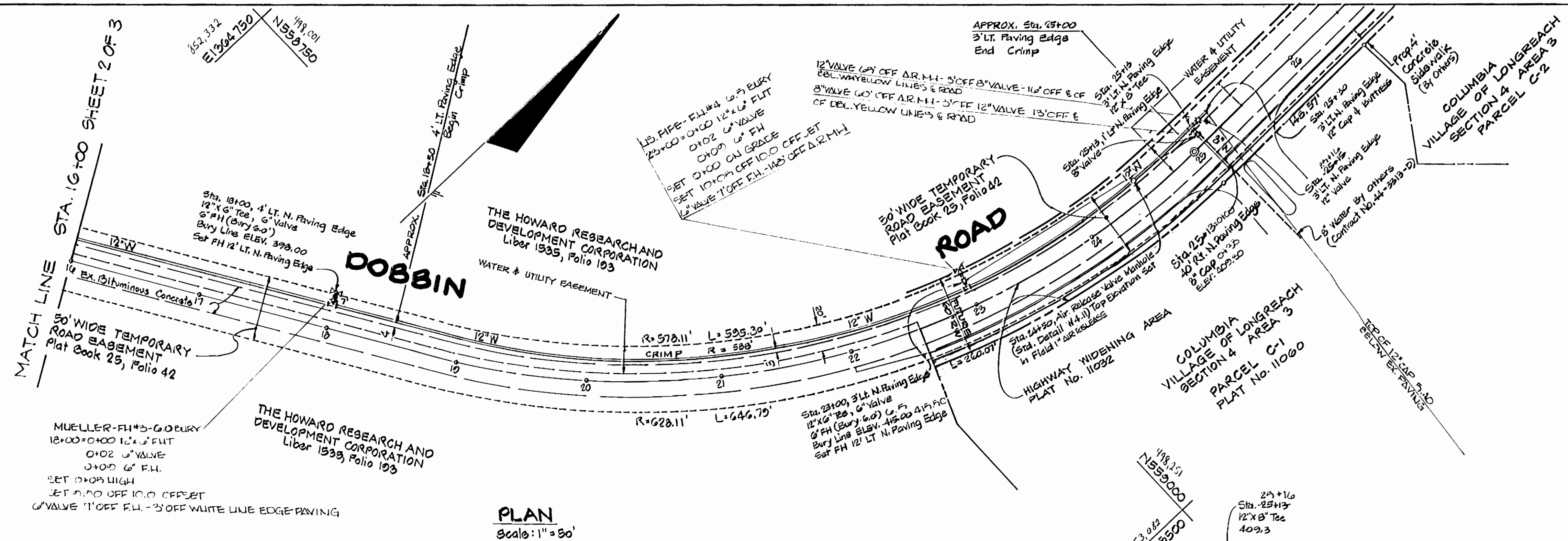
DESIGN BY:	T.P.O.	
DRAWN BY:	T.P.O.	
CHECKED BY:	J.W.R.	
DATE:		
BY NO.		REVISION
DATE		600 SCALE MAP NO.
		BLOCK NO.

CONTRACT NO. 44-3300D

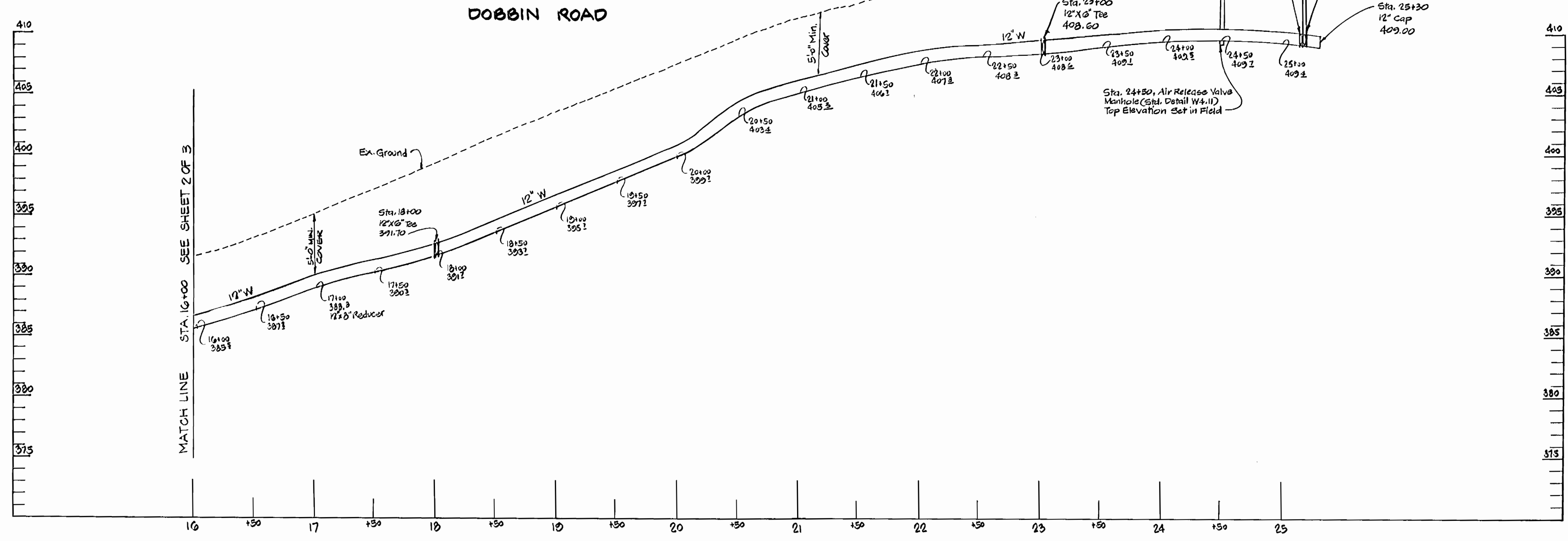
COLUMBIA
VILLAGE OF LONGREACH
SECTION 4 AREA 3
PARCEL C-1 LOTS 91 & 92
6TH ELECTION DISTRICT

SCALE AS SHOWN

SHEET 2 OF 3



PLAN
Scale: 1" = 50'



PROFILE
Scale: Horiz. 1" = 50'
Vert. 1" = 5'

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

SIGNATURE _____ DATE _____

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

APPROVED _____ DATE _____

HOWARD S.C.D. _____ DATE _____

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert W. Dennis 1/26/93
DIRECTOR OF PUBLIC WORKS - DATE

Robert W. Dennis 1/27/93
CHIEF - BUREAU OF UTILITIES - DATE

Robert W. Dennis 1/27/93
CHIEF - BUREAU OF ENGINEERING - DATE

Robert W. Dennis 1/27/93
CHIEF - LAND DEVELOPMENT DIVISION - DATE

DMW
Daft · McCune · Walker, Inc.

A Team of Land Planners, Landscape Architects, Engineers, Surveyors & Environmental Professionals

200 East Pennsylvania Avenue
Towson, Maryland 21286
410 296 3333
Fax 296 4705



DESIGN BY:	T.P.O.			
DRAWN BY:	T.P.O.			
CHECKED BY:	J.W.R.			
DATE:				
BY NO.		REVISION		DATE

600 SCALE MAP NO. _____ BLOCK NO. _____

COLUMBIA VILLAGE OF LONGREACH
SECTION 4 AREA 3
PARCEL C-1 LOTS 91 & 92
6TH ELECTION DISTRICT

CONTRACT NO. 44-3300D

SCALE AS SHOWN

SHEET 3 OF 3