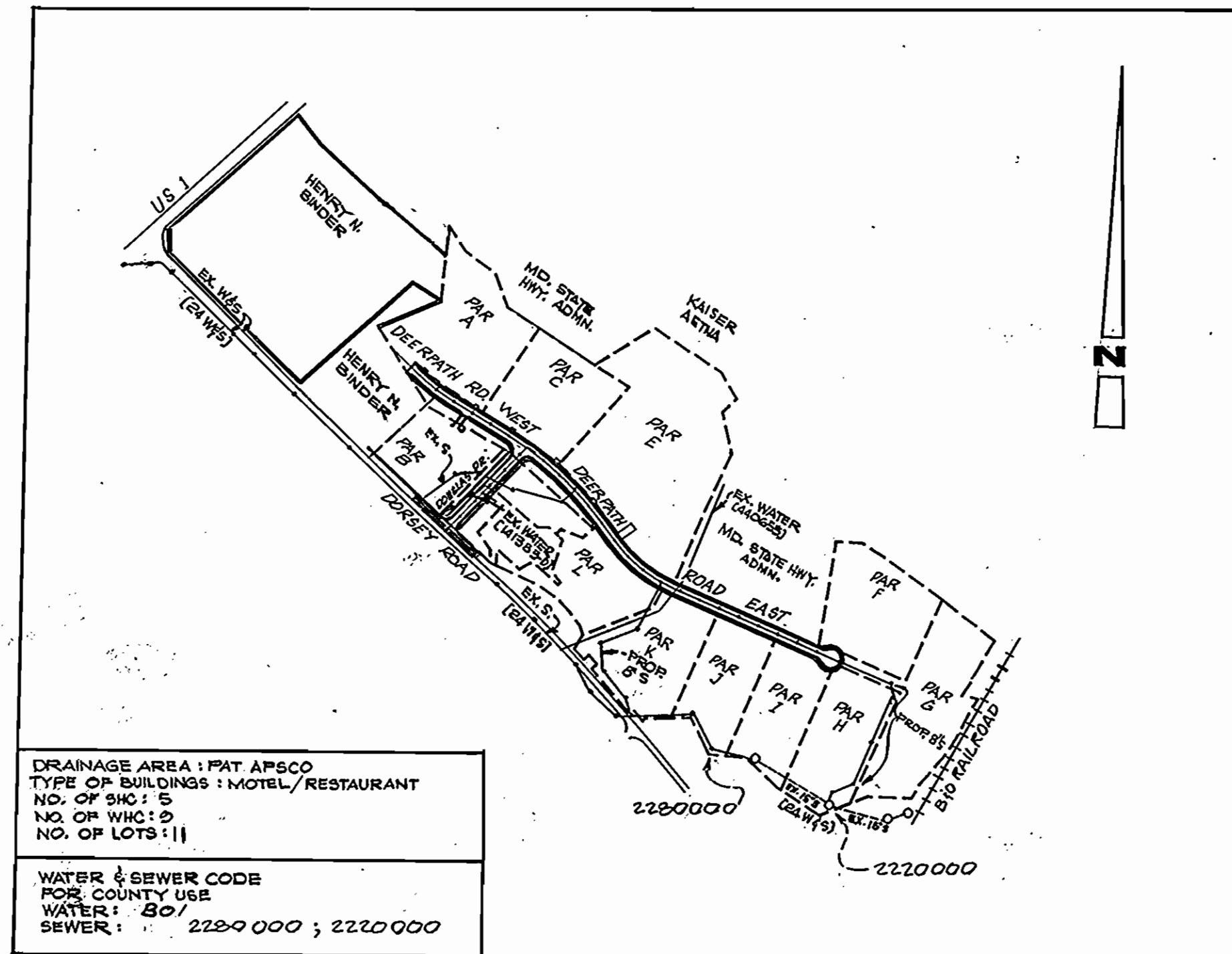


ITEM	QUANTITIES		MATERIAL/SUPPLIER
	BID	AS-BUILT	
12" WATER	2038'	2638 LF	Guffey Pipe Prod. Co.
8" WATER	872'	883 LF	" "
6" WATER	101'	102 LF	" "
2" X 2" T.S. & V.	1	1	" "
12" X 12" T	2	2	" "
12" X 6" F.H.T.	6	6	" "
6" VALVE	7	7	" "
2" X 24" OFF SET	1	0	" "
8" X 8" FHT	1	1	" "
5.0' FIRE HYDRANT	2	2	U.S.P.
4.5' FIRE HYDRANT	5	5	U.S.P.
8" VALVE	9	9	C.A.P.C. Pipe Prod. Co.
8" 1/8" BEND	4	4	" "
12" X 8" T	10	10	" "
12" VALVE	5	5	" "
8" PLUG	2	2	" "
12" 1/8" BEND	2	2	" "
12" 1/4" BEND	1	0	" "
12" CAP	1	2	" "
8" SEWER DIP CL. 50	0	0	" "
8" SEWER	3205'	3205'	Belair Rd. Supply / Ames. Elec. Assoc.
40" MANHOLES	20	20	Atlantic C.C. Prod.
PROP. CONNECT ON TYPE B	1	1	Belair Rd. Supply / J-M
40" FIRE HYDRANT	1	0	" "
12" X 6" T.S. & V.	1	0	" "



DRAINAGE AREA: 1 PAT AFSCO
 TYPE OF BUILDINGS: MOTEL/RESTAURANT
 NO. OF BLDG: 5
 NO. OF WHO: 5
 NO. OF LOTS: 11

WATER & SEWER CODE
 HOWARD COUNTY USE
 WATER: 80 /
 SEWER: 222-9 000 ; 222-0 000

SCALE 1" = 600'

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 MARYLAND STATE COORDINATES.
- ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
- 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.
- FOR DETAILS NOT SHOWN ON THE DRAWINGS, AND FOR MATERIALS AND CONSTRUCTION METHODS, USE HOWARD COUNTY DESIGN MANUAL, VOLUME IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION. THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV 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 MADE SHALL BE LOCATED BY THE CONTRACTOR TWO WEEKS IN ADVANCE OF CONSTRUCTION OPERATIONS AT HIS OWN EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - STATE HIGHWAY ADMINISTRATION - 531-5533
 - BALTIMORE GAS & ELECTRIC CO. - CONTRACTOR SERVICES 561-2545
 - BALTIMORE GAS & ELECTRIC CO. - UNDERGROUND DAMAGE CONTROL 234-5621
 - BALTIMORE GAS & ELECTRIC CO. - TROUBLE SHOOTING 290-9013
 - M&D UTILITIES - 531-0100
 - COLONIAL PIPELINE CO. - 795-1390
 - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 992-2366
- 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.
- ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-1/2' 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 STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1003 STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING, UNLESS OTHERWISE NOTED.
- EXTEND PIPE AS NECESSARY TO INSTALL PLUG FOR BLOCKING, WHERE WATER MAINS END WITH VALVES.
- ALL SEWER MAINS SHALL BE C.S.P.X., D.I.P., V.C.P.X. CLASS 2400 OR P.V.C. UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATER TIGHT FRAME AND COVERS, STANDARD DETAIL 65-52 WHERE WATER TIGHT MANHOLE FRAME AND COVER IS USED SET TOP OF FRAME 1.0 FT. ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- ORIGINAL GROUND OVER WATER AND SEWER WAS TAKEN FROM AERIAL PHOTOGRAPHY PREPARED BY MAPS AND NO. AND VERIFIED BY FIELD SURVEY IN FEBRUARY 1985.
- STRAW BALE Dikes AND SILT FENCES ARE INTERCHANGEABLE.
- SEDIMENT CONTROLS TO BE BUILT IN ACCORDANCE WITH F-86-151, ARTICAL 15 & DETAILS SHOWN ON THIS PLAN.
- THE FOLLOWING MANHOLES SHALL BE WATER TIGHT MANHOLES 113-116

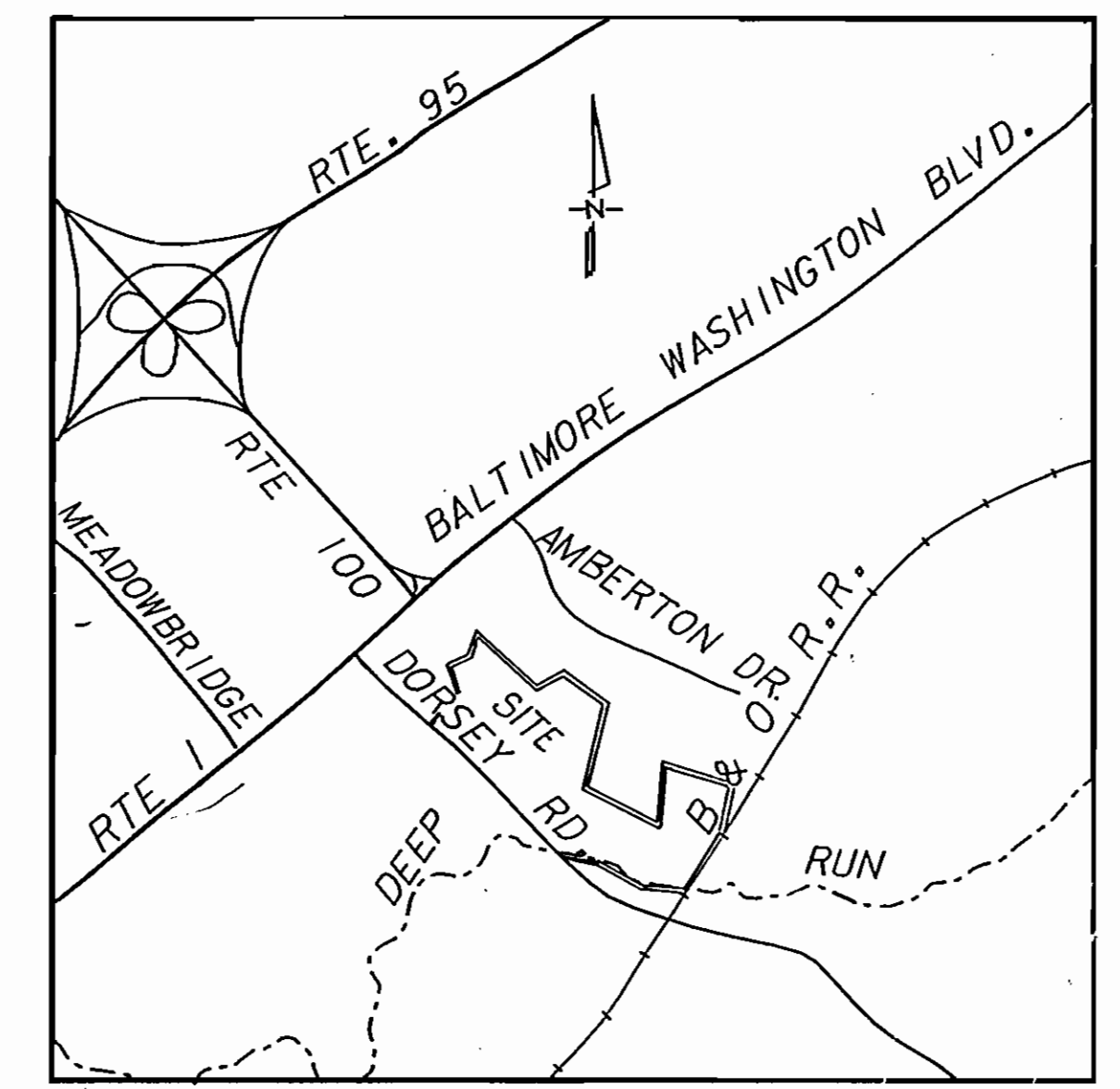
DORSEY BUSINESS CENTER

PHASE I

DORSEY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

CONTRACT NO. 14-1447-D



VICINITY MAP
 SCALE 1" = 2000'

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.
Stephen L. Galt 7-11-86
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
Stephen L. Galt 7/11/86

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH ARTICAL 15 AND ROAD CONSTRUCTION DRAWINGS F-86-151

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Robert H. Nimm 7-24-86
 DIRECTOR OF PUBLIC WORKS

Robert H. Nimm 7-22-86
 CHIEF, BUREAU OF ENGINEERING

Robert H. Nimm 7-22-86
 CHIEF, BUREAU OF UTILITIES

ENGINEERS-ARCHITECTS-PLANNERS-SCIENTISTS-SURVEYORS-PHOTOGRAMMETRISTS
 GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE ROCKVILLE, MD. 20850
 BALTIMORE PH. 323-1929

Robert H. Nimm

DES: 72AD			
DRN: 72AD			
CHK: RMM			
DATE: 3-86			
JVC: 1	DRAFTING CORR. AS PER MD. HEALTH DEPT.	8-86	
BY: NO.	REVISION	DATE	

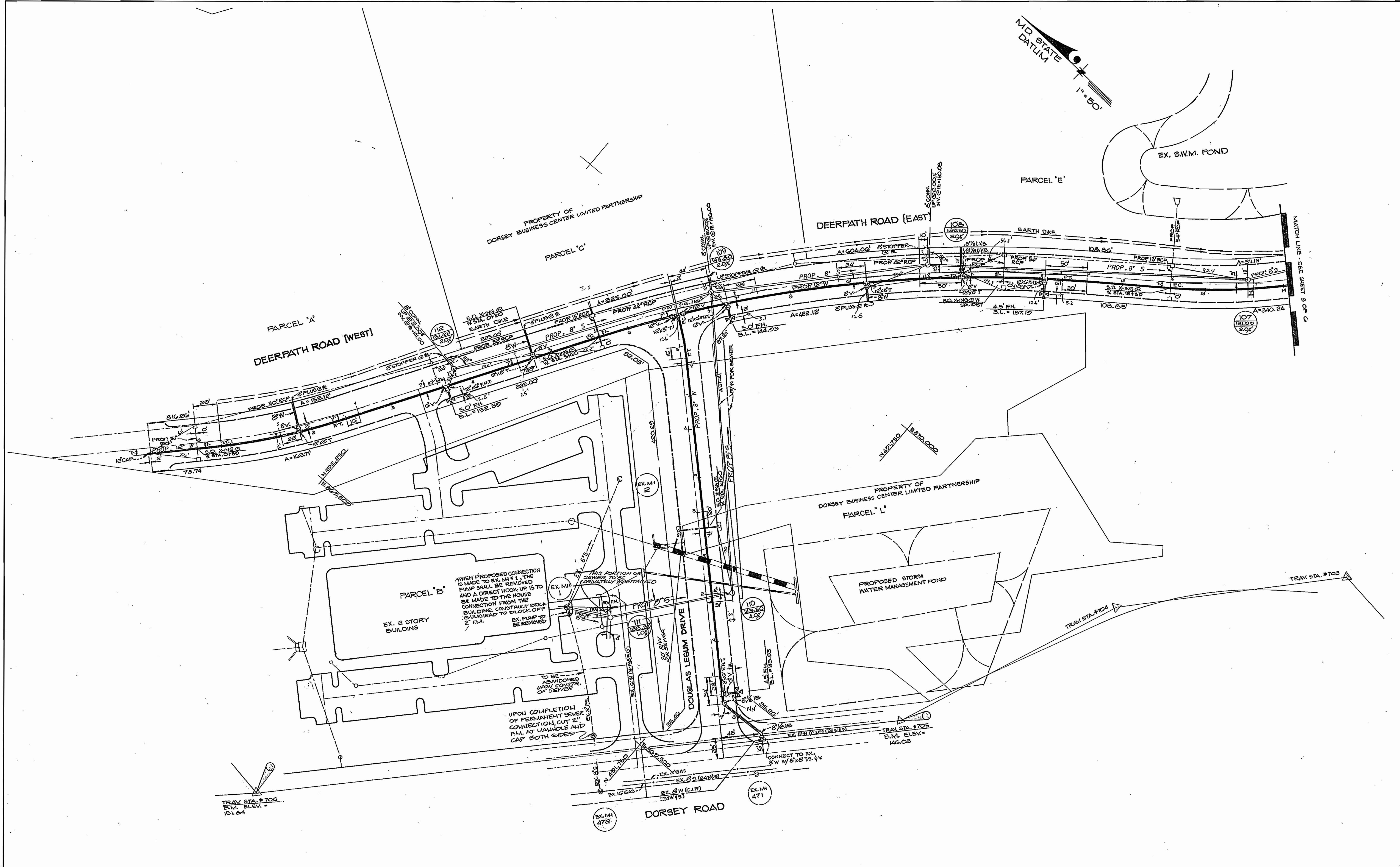
TITLE SHEET
 AS-BUILT

600' SCALE MAP NO. 37.43 BLOCK NO. 23, 24, 1, 2

DORSEY BUSINESS CENTER
 SECTION 1
 1ST ELECTION DISTRICT
 PARCELS A, B, C, J, E, F, G, H, I, K & L
 CONTRACT NO. 14-1447-D

SCALE AS SHOWN
 SHEET 1 OF 6

AS-BUILT 7/31/87 R1267X



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

Robert M. Bennett
 DIRECTOR OF PUBLIC WORKS
 DATE 7-24-86

Robert M. Bennett
 CHIEF, BUREAU OF UTILITIES
 DATE 7-22-86

ENGINEERS - ARCHITECTS - PLANNERS - SCIENTISTS
 SURVEYORS - PHOTOGRAMMETRISTS

GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE
 ROCKVILLE, MARYLAND
 20850-3291
 (301) 248-0900

Robert M. Bennett

DES: TAD					
DRN: CAD					
TAD					
CHK: RHM					
DATE: 2-86	BY	NO.	REVISION	DATE	

PLAN FOR
 WATER AND SEWER

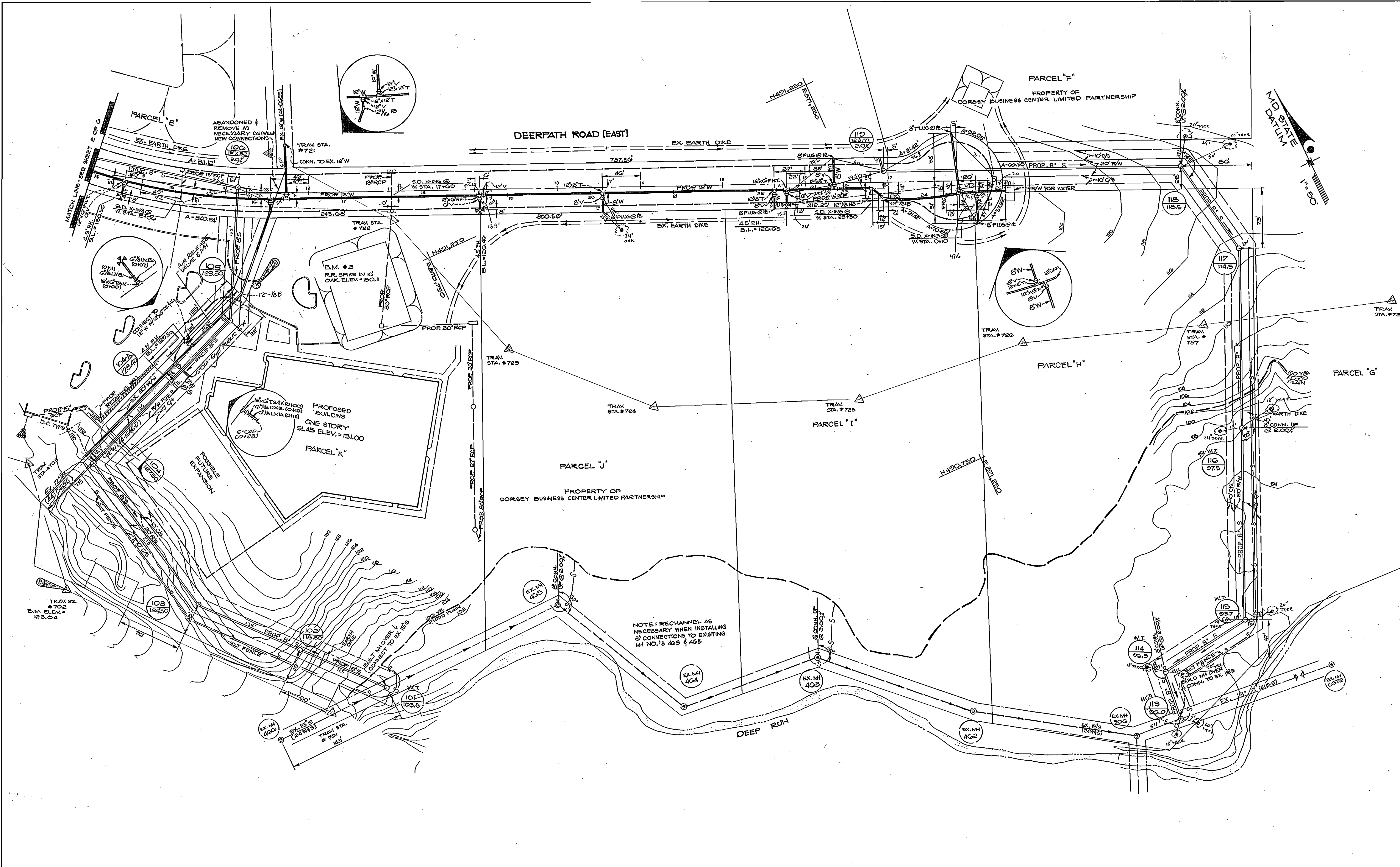
600' SCALE MAP NO. 37,43 BLOCK NO. 23,24,31,2

DORSEY BUSINESS CENTER
 SECTION 1
 1ST ELECTION DISTRICT
 PARCELS A, B, C, J, E, F, G, H, I, K & L
 CONTRACT NO. 14-447-D

SCALE
 1" = 50'

SHEET
 2 OF 2

AS-BUILT 7/31/87 21267X



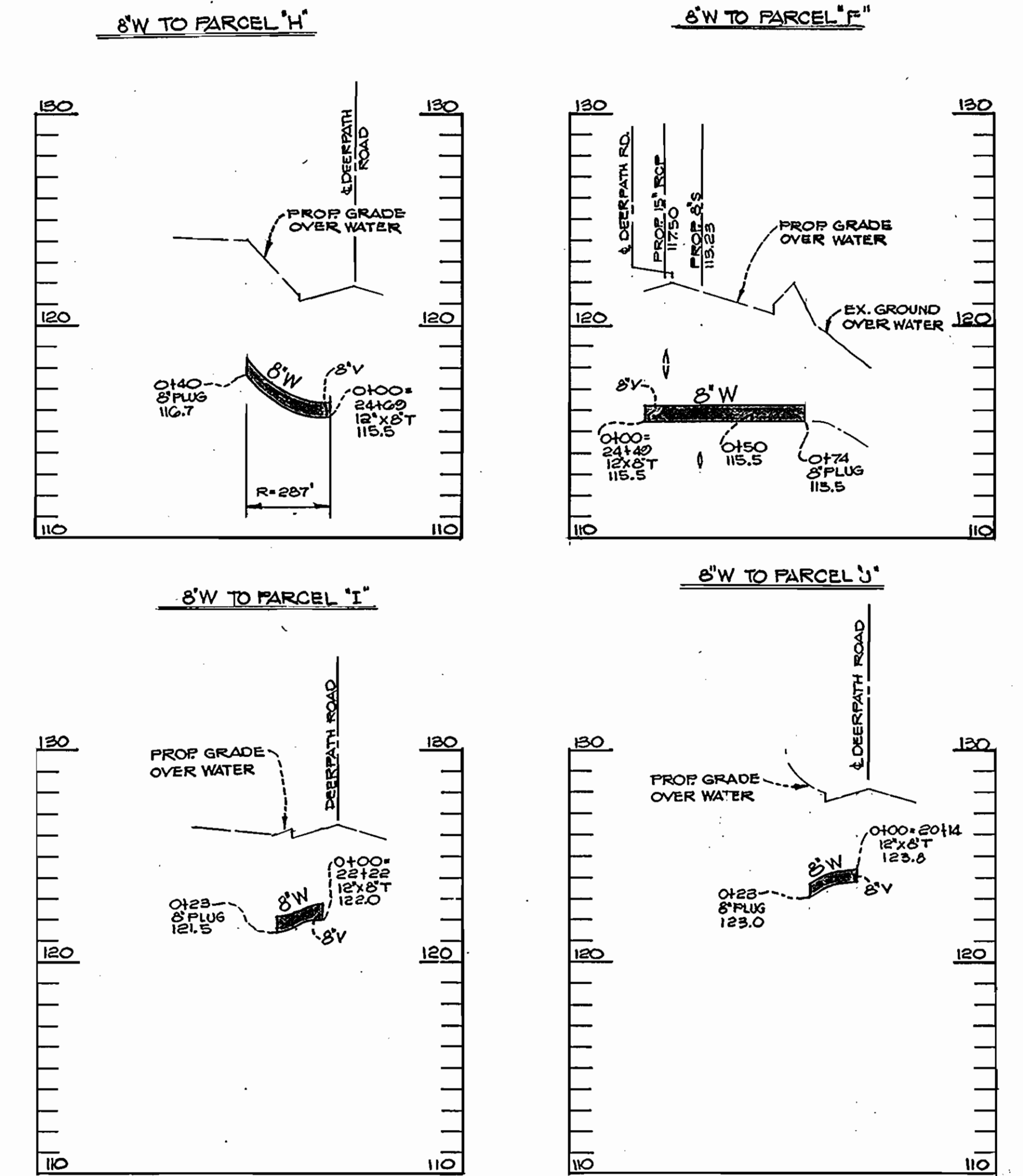
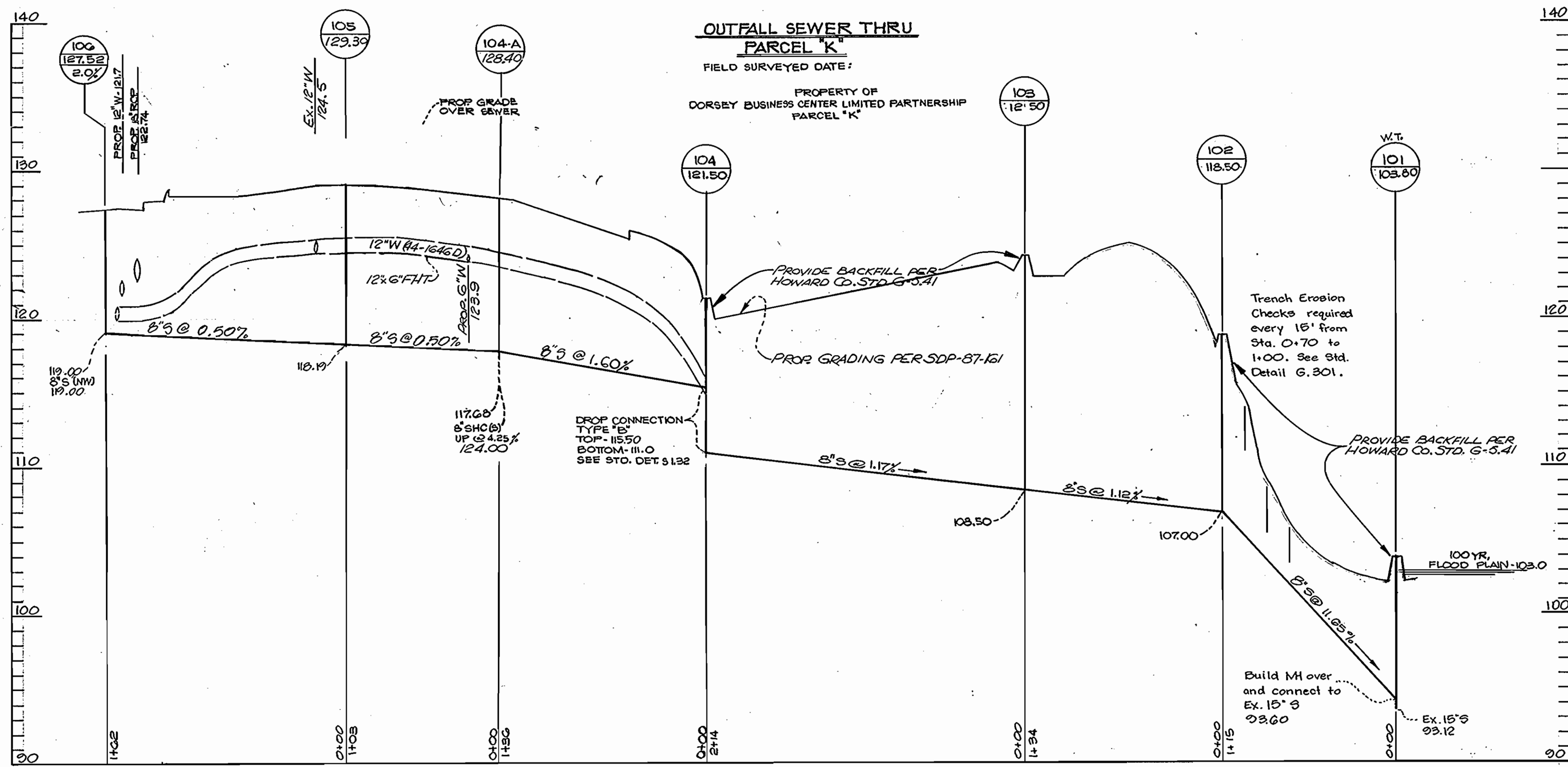
DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: *[Signature]* 7-22-86
 Chief, Bureau of Engineering: *[Signature]* 7-22-86
 Chief, Bureau of Utilities: *[Signature]* 7-22-86
 Chief, Land Development, Division: *[Signature]* 7-22-86

ENGINEERS - ARCHITECTS - PLANNERS - SCIENTISTS
 SURVEYORS - PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC.
 2 RESEARCH PLACE
 ROCKVILLE, MARYLAND
 20850-3291
 (301) 948-0900

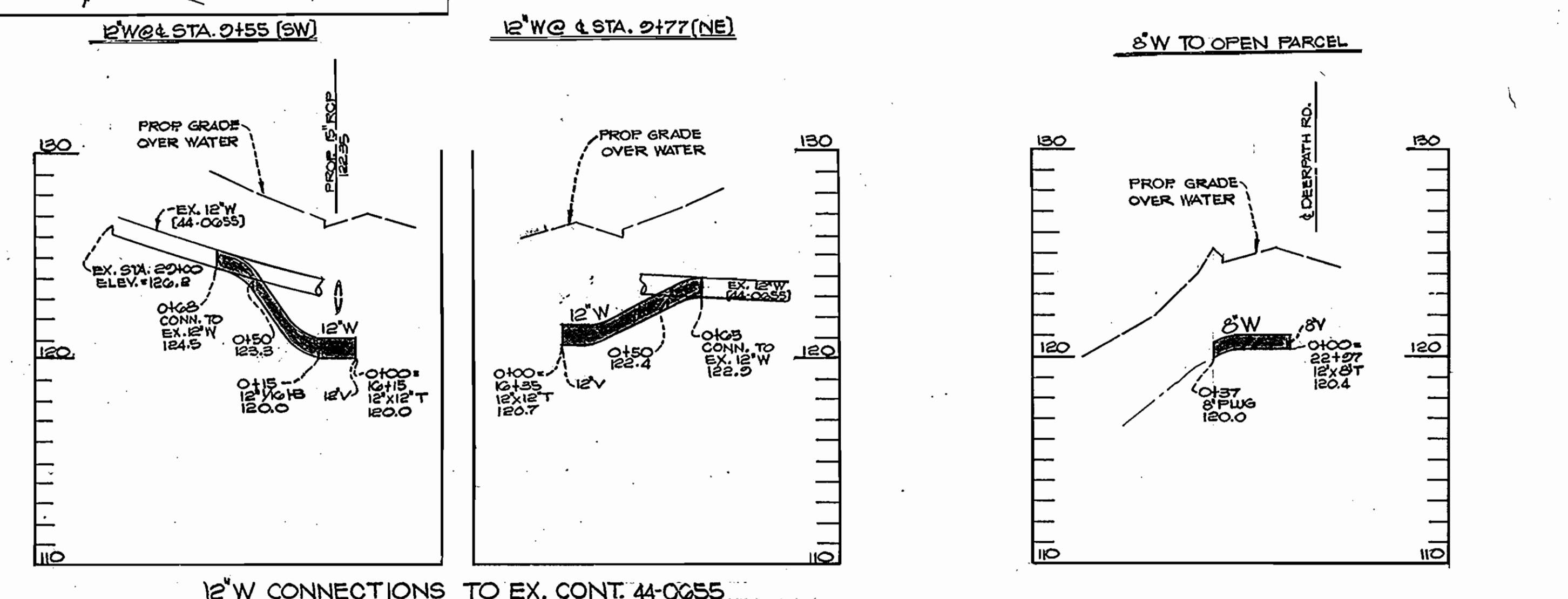
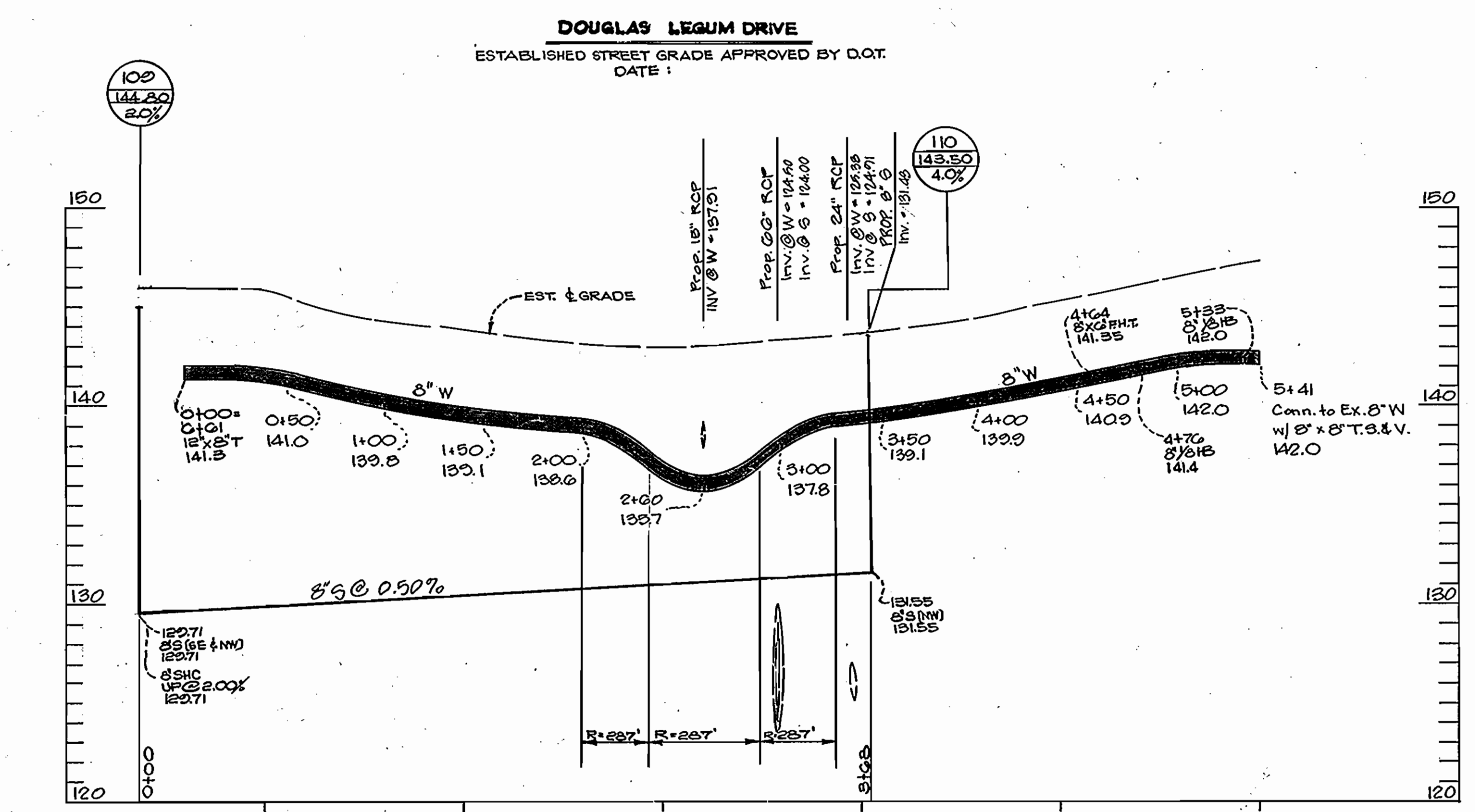
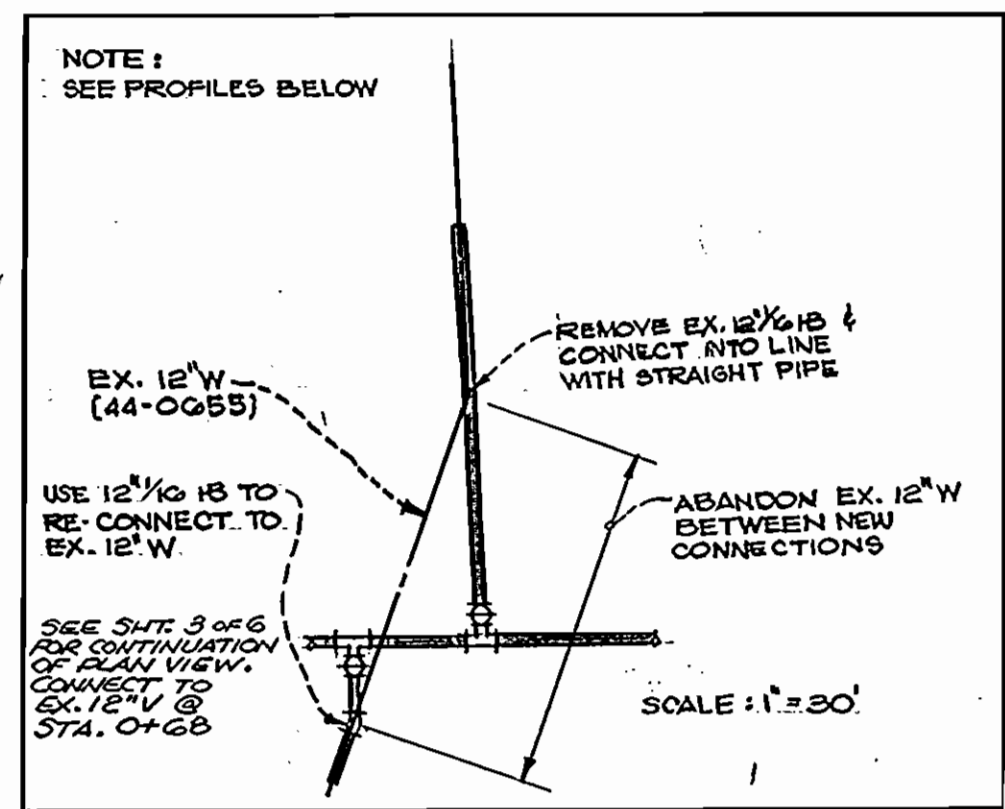
DES: TAO					
DRN: TTT TAD					
CHK: RHM	JDP	3	MODIFIED PAR. "K" WATERLINE PER 44-16AG-D	5/20/87	
	G&O	2	ADD SILT FENCE IN 100-YEAR FLOOD PLAN	4/2/87	
	JMC	1	DRAFTING CORR. AS PER M.D. HEALTH DEPT	3-86	
DATE: 2-86	BY	NO.	REVISION	DATE	

PLAN FOR WATER AND SEWER
 600' SCALE MAP NO. 37,43 BLOCK NO. 23,24,42

DORSEY BUSINESS CENTER
 SECTION 1
 1ST ELECTION DISTRICT
 PARCELS A, B, C, E, F, G, H, I, K & L
 CONTRACT NO. 14-1447-D
 SCALE 1" = 80'
 SHEET 3 OF 6
 AS-BUILT 7/31/87 21267X



PROFILE SCALE
HORIZ.: 1" = 50'
VERT.: 1" = 5'



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works: *Robert W. Neuman*
Date: 7-24-86

Chief, Bureau of Utilities: *Robert W. Neuman*
Date: 7-22-86

ENGINEERS - ARCHITECTS - PLANNERS - SCIENTISTS
SURVEYORS - PHOTOGRAMMETRISTS

GREENHORNE & O'MARA, INC.
2 RESEARCH PLACE
ROCKVILLE, MARYLAND
20850-3291
(301) 948-0900

Robert W. Neuman

DES: TAD			
DRN: CAD			
TAD			
CHK: RHM	JDP 2	MODIFIED PAR. "K" WATERLINE PER 11-16-80	5-87
	JWC 1	DRAFTING CORR. AS PER MD. HEALTH DEPT.	5-86
DATE: 2-86	BY NO.	REVISION	DATE

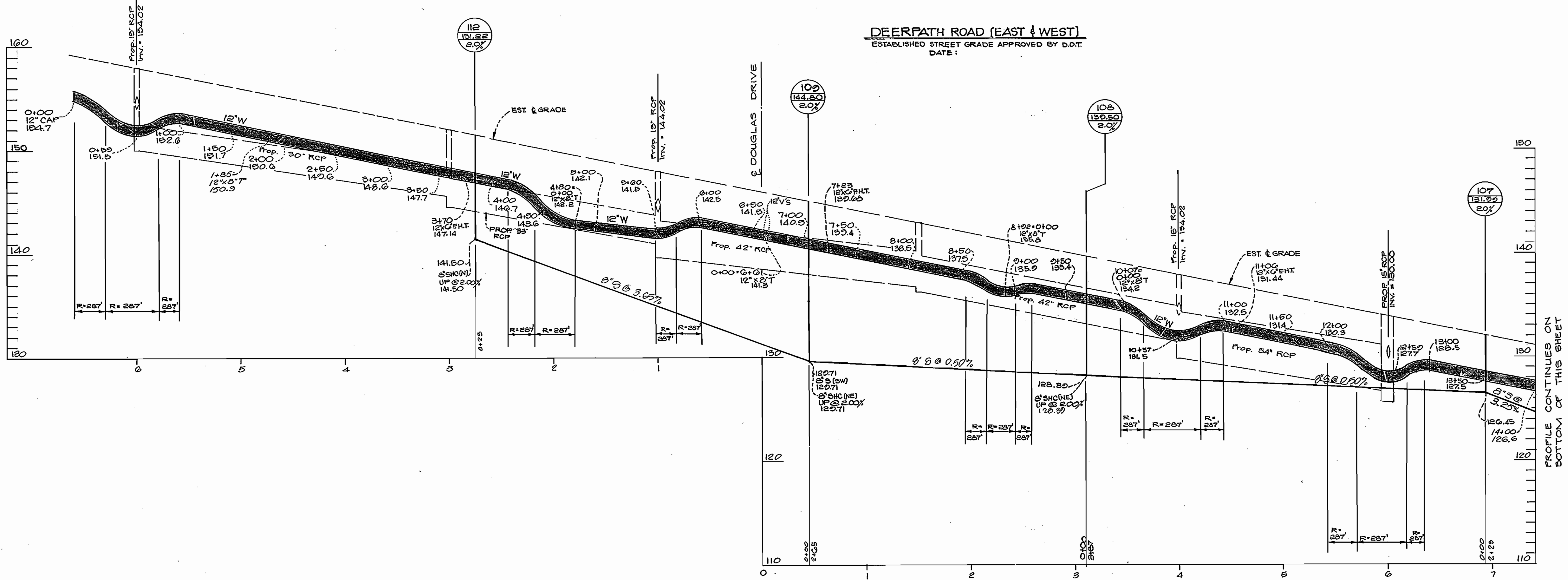
WATER AND SEWER
PROFILES

600' SCALE MAP NO. 37,43 BLOCK NO. 23,24,42

DORSEY BUSINESS CENTER
SECTION 1
1ST ELECTION DISTRICT
PARCELS A, B, C, E, F, G, H, I, K & L
CONTRACT NO. 14-1447-D

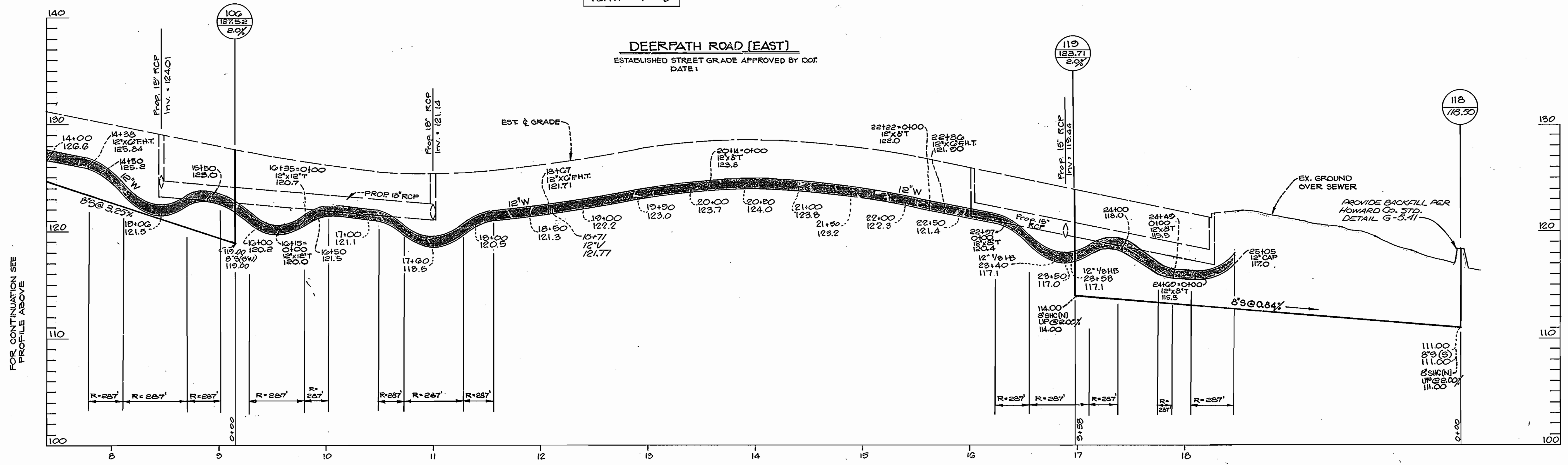
SCALE AS SHOWN
SHEET 4 OF 6

DEERPETH ROAD (EAST & WEST)
 ESTABLISHED STREET GRADE APPROVED BY D.O.T.
 DATE:



Profile Scale
 HORIZ. : 1" = 50'
 VERT. : 1" = 5'

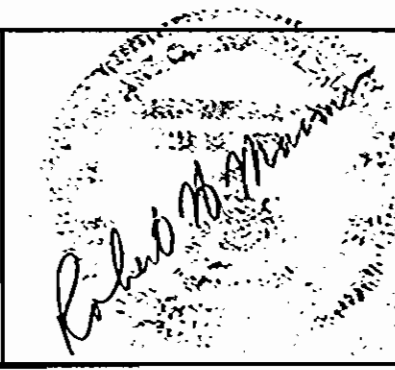
DEERPETH ROAD (EAST)
 ESTABLISHED STREET GRADE APPROVED BY D.O.T.
 DATE:



DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

[Signature] 7-21-86
 DIRECTOR OF PUBLIC WORKS DATE
[Signature] 7-22-86
 CHIEF, BUREAU OF UTILITIES DATE

ENGINEERS ARCHITECTS PLANNERS SCIENTISTS
 SURVEYORS PHOTOGRAMMETRISTS
GREENHORNE & O'MARA, INC
 2 RESEARCH PLACE
 ROCKVILLE, MARYLAND
 20850-3221
 (301) 948-0900



DES: TAD			
CAD			
DRN: TAD			
CHK: RHM			
DATE: 2-86			
JWC	1	DRAFTING CORR. AS PER MD. HEALTH DEPT.	8-86
BY	NO.	REVISION	DATE

PROFILES FOR
 WATER AND SEWER

600' SCALE MAP NO. 3743 BLOCK NO. 23, 24, 1, 2

DORSEY BUSINESS CENTER
 SECTION 1
 1ST ELECTION DISTRICT
 PARCELS A, B, C, J, E, F, G, H, I, K & L
 CONTRACT NO. 14-1447-D

SCALE
 AS
 SHOWN

SHEET
 5 OF 6

AS-BUILT 7/31/87 R1267X