

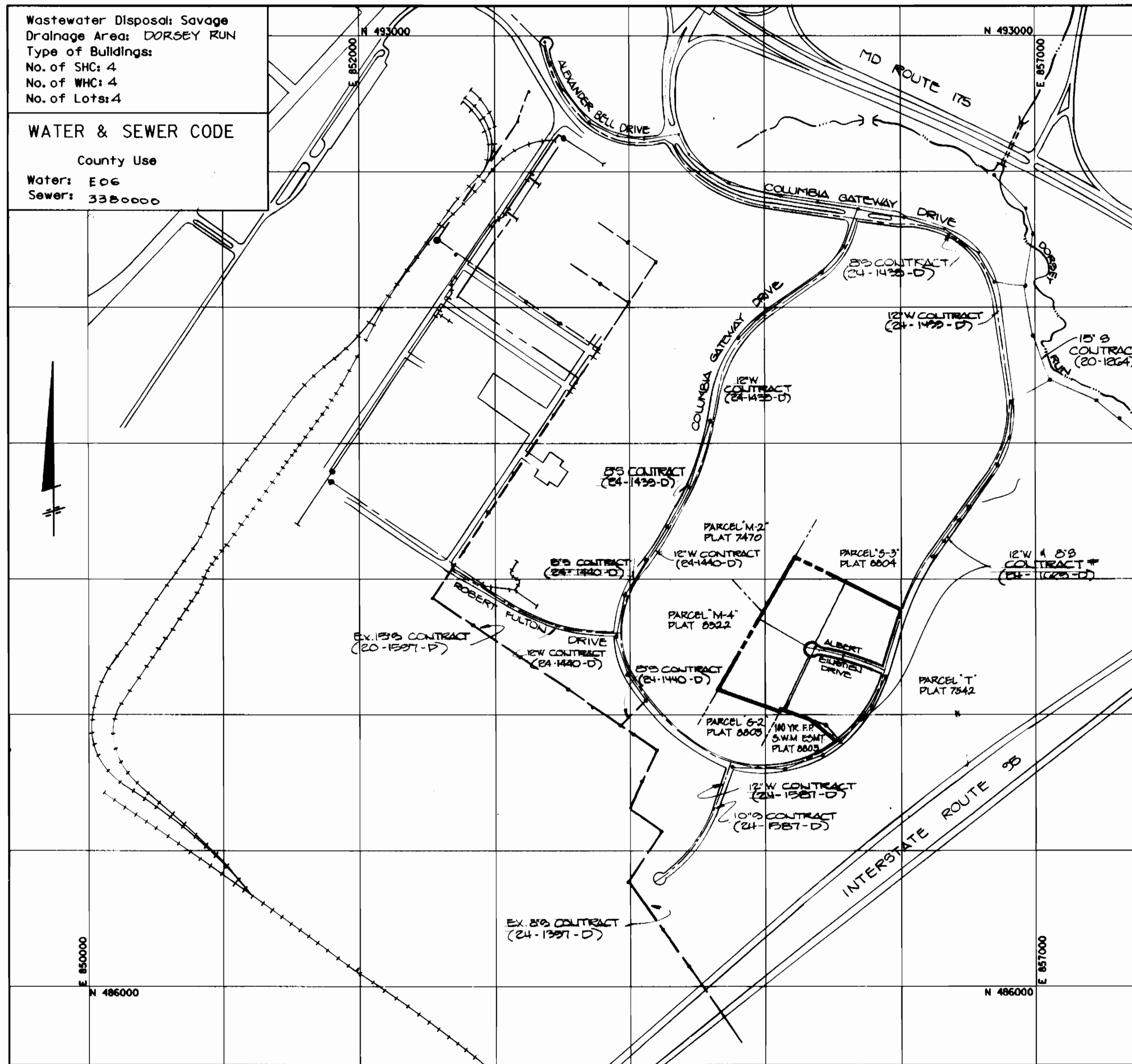
CONTRACT NO. 24-3038 COLUMBIA GATEWAY LOT S-6 SANITARY SEWER AND WATER MAIN HOWARD COUNTY, MARYLAND DEPT. OF PUBLIC WORKS

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 TO THE SATISFACTION OF THE ENGINEER, AT THE CONTRACTOR'S EXPENSE.
2. ALL HORIZONTAL CONTROLS ARE BASED ON THE MARYLAND STATE PLANE COORDINATES SYSTEM. REFERENCE HOWARD COUNTY CONTROL POINTS 2739002 & 2739003.
3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM.
4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 12'. CLEAR ALL POLES BY 2'-0" MINIMUM OR TUNNEL AS REQUIRED.
6. 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.
7. 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. -	850-4620
CONTRACTOR SERVICES -	859-9004
UNDERGROUND DAMAGE CONTROL -	298-9001
TROUBLE SHOOTING -	1-800-257-7777
C & P TELEPHONE -	1 - 559-0100
MISS UTILITY -	795-1390
COLONIAL PIPELINE CO. -	992-2366
BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS -	
8. 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. THE CONTRACTOR SHALL ONLY REMOVE THOSE TREES, STUMPS, AND ROOTS WHICH ARE ALONG THE LINE OF EXCAVATION.
9. ALL SEWER MAINS SHALL BE C.S.P.X., D.I.P., OR P.V.C. UNLESS OTHERWISE NOTED.
10. THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
11. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
12. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
13. ALL MANHOLES HAVING A DEPTH OF 18 FT. OR GREATER SHALL BE CONSTRUCTED WITH AN INTERMEDIATE LANDING AS SHOWN ON HOWARD COUNTY STANDARD DETAIL G-5.15.
14. MANHOLES DESIGNATED W.T. IN PLAN AND/OR PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1.5' ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
15. 'FULL TRENCH COMPACTION' REQUIRED FOR ENTIRE LIMITS OF THIS PROJECT.
16. ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
17. TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3 1/2' COVER UNLESS OTHERWISE NOTED.
18. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
19. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
20. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
21. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE ELEVATIONS SHOWN ON THE DRAWING. 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 THE STANDARD SPECIFICATIONS.
22. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTINGS, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE STANDARD SPECIFICATIONS.
23. ALL W.H.C.'S SHALL BE 3/4" UNLESS OTHERWISE NOTED.
24. ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPECIFICATION C-153 DUCTILE IRON COMPACT FITTINGS 3"-12" FOR WATER AND OTHER LIQUIDS.

QUANTITIES			
ITEM	BID	AS-BUILT	MATERIAL/SUPPLIER
8" SANITARY	1055 L.F.	1058	PVC Bel Air Rd. Supply
8" VALV	21 EA.	4	Conc. Pc. Atlantic Conc. P.
8" SANI CAP	4 EA.	4	PVC Bel Air Rd. Sup.
8" WATER	671 L.F.	612	DIP CLS2 GRIFFIN PIPE Prod. Co.
8" VALVE	4 EA.	4	Mueller & Griffin " " "
8" CAP & OUTLET	4 EA.	4	" " " " "
8" ELBOW & SPACER	1 EA.	1	" " " " "
6" WATER	33 L.F.	45	DIP CLS2 GRIFFIN PIPE Prod. Co.
6" VALVE	2 EA.	2	Mueller & Bel Air Sup. Co.
GFH	2 EA.	2	Mueller & " " " "



Wastewater Disposal: Savage
Drainage Area: DORSEY RUN
Type of Buildings:
No. of SHC: 4
No. of WHC: 4
No. of Lots: 4

WATER & SEWER CODE

County Use
Water: E06
Sewer: 33B0000

SCALE: 1"=600'

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENT

James M. Hester 7/12/90
SIGNATURE DATE
U.S. SOIL CONSERVATION SERVICE

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

Paul K. Robertson 7/12/90
SIGNATURE DATE
HOWARD S.C.D.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATIONS AND APPROVED ROAD CONSTRUCTION PLANS. F-90-13B

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

7/12/90 DATE
James P. ... CHIEF - BUREAU OF ENGINEERING

7-5-90 DATE
Robert ... CHIEF - BUREAU OF UTILITIES

9/14/90 DATE
... CHIEF - LAND DEVELOPMENT DIVISION

KIDDE CONSULTANTS, INC.
ENGINEERS SURVEYORS PLANNERS
1020 CROMWELL BRIDGE ROAD
BALTIMORE, MARYLAND 21204
130 11 321-5500

STATE OF MARYLAND
REGISTERED PROFESSIONAL ENGINEER

DES: J.J.D.			
DRN: M.D.D.			
CHK: D.L.M.			
DATE: 2-3-90			

BY NO. REVISION DATE

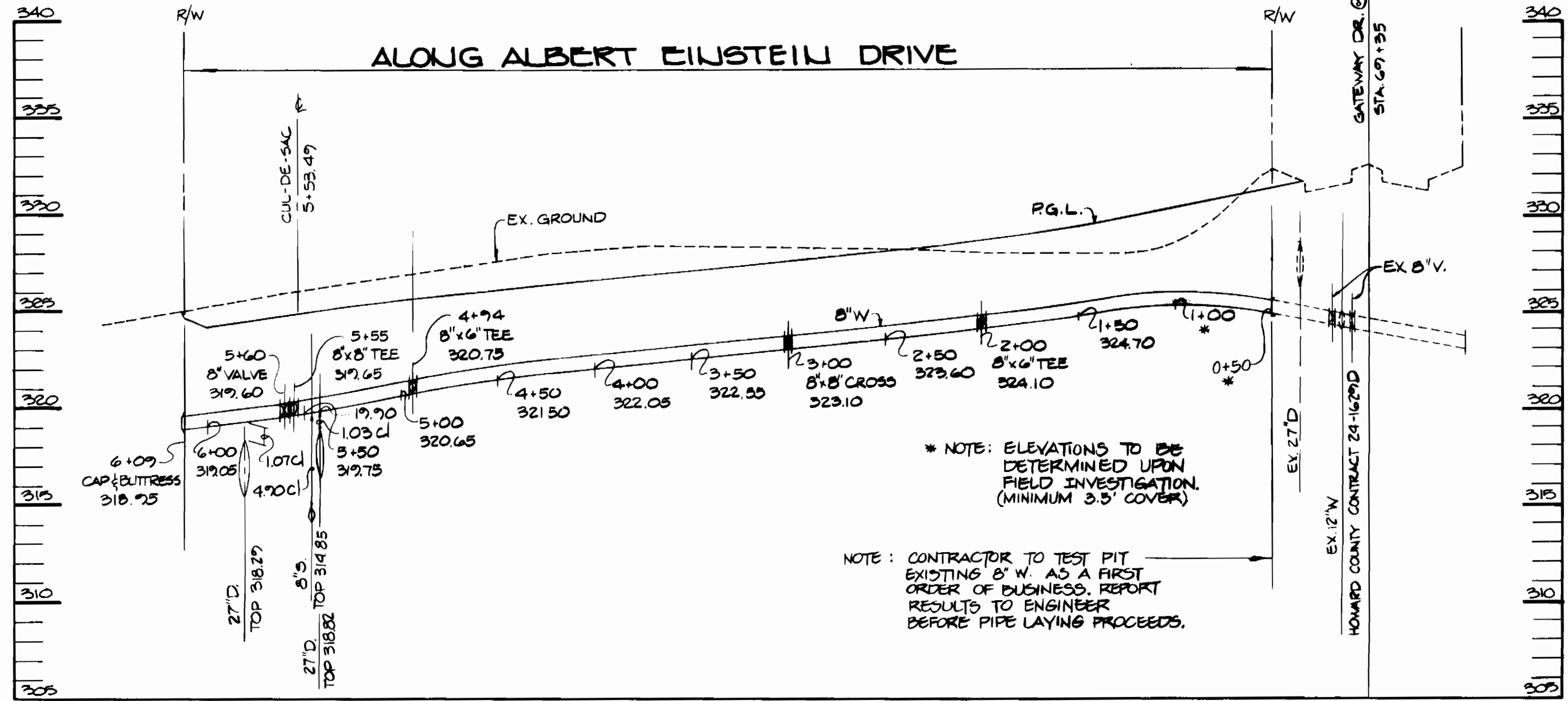
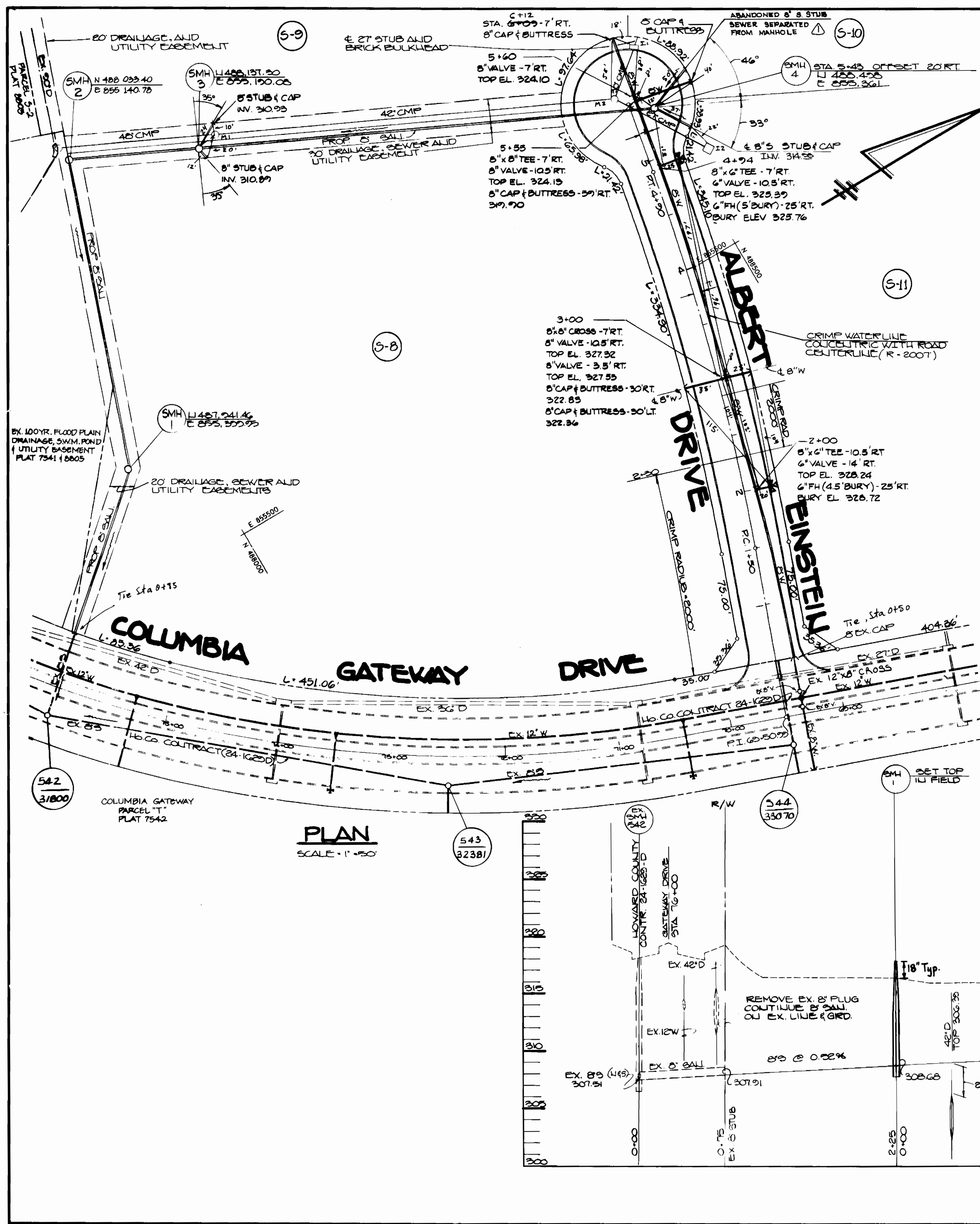
VICINITY MAP AND GENERAL NOTES

600' SCALE MAP NO. 48 BLOCK NO. 7

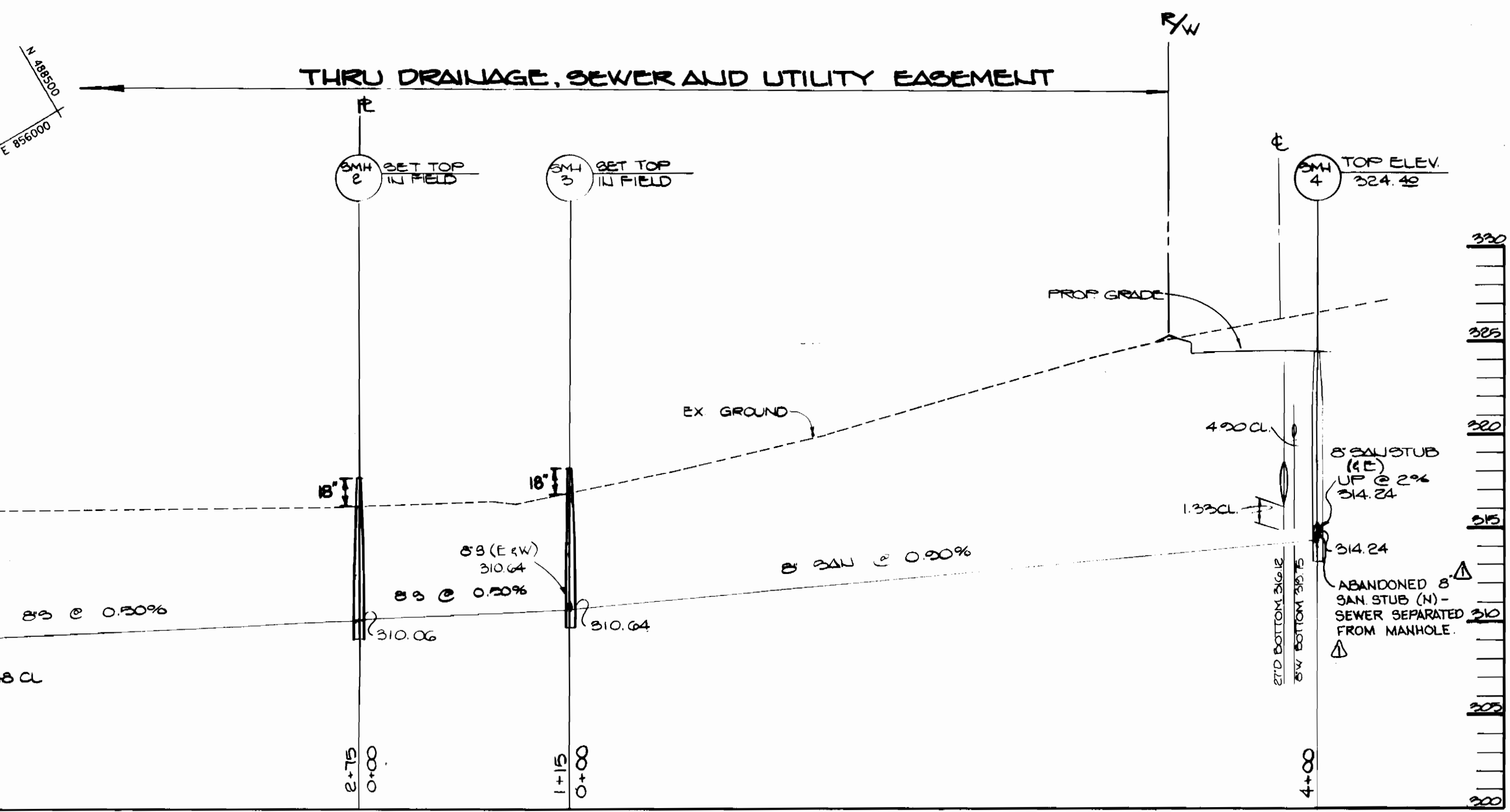
COLUMBIA GATEWAY
LOTS 5-G THROUGH 5-I
ALBERT EINSTEIN DRIVE
CONTRACT NO. 24-3038
(6" ELECTION DIST)

SCALE AS SHOWN
SHEET 1 OF 6

AS-BUILT 10-25-90



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



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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] 7/12/90
DIRECTOR OF PUBLIC WORKS DATE

[Signature] 7/5/90
CHIEF - BUREAU OF UTILITIES DATE

[Signature] 7/12/90
CHIEF - BUREAU OF ENGINEERING DATE

[Signature] 7/12/90
CHIEF - LAND DEVELOPMENT DIVISION DATE

KIDDE CONSULTANTS, INC.
ENGINEERS SURVEYORS PLANNERS
1020 CROMWELL BRIDGE ROAD
TOWSON, MARYLAND 21204
(301) 321-5500



DES: J.J.D.			
DRN: M.D.D.			
CHK: D.J.M.			
DATE: 2.9.90			
BY: RJC	NO. 1	REVISION	DATE
		LABELED 8" S. STUB AS ABANDONED	5-7-90

PLAN & PROFILES

600' SCALE NO. 45

BLOCK NO. 7

COLUMBIA GATEWAY
LOTS 5-8 THROUGH 5-11
ALBERT EINSTEIN DRIVE
CONTRACT NO. 24-3038D

SCALE AS SHOWN

SHEET 2 OF 2