


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 SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR'S EXPENSE.
- TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON MAY, 2002 BY KCE ENGINEERING, INC.
- HORIZONTAL AND VERTICAL SURVEY CONTROLS:
THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 38R2, NO. 38R3.
ALL VERTICAL CONTROLS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 38R2, NO. 38R3.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 12 INCHES. CLEAR ALL POLES BY 5'-0" MINIMUM OR TUNNEL AS REQUIRED UNLESS OTHERWISE NOTED. 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 COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM MONIES 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 IV, STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION (LATEST EDITION). 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 LOCATIONS OF THE TEST PITS. 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.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN IN THESE PLANS:
A.T.&T 1-800-252-1133
BGE (CONTRACTOR SERVICES) 410-850-4620
BGE (EMERGENCY) 410-685-1400
BUREAU OF UTILITIES 410-313-4900
COLONIAL PIPELINE CO. 410-795-1390
MISS UTILITY 1-800-257-7777
STATE HIGHWAY ADMINISTRATION 410-531-5533
VERIZON 1-800-743-0033/410-224-9210
- TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT. TREES AND SHRUBS LOCATED WITHIN THE CONSTRUCTION STRIP ARE NOT TO BE REMOVED OR DAMAGED BY THE CONTRACTOR.
- THE CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG THE 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) 313-7450 AT LEAST FIVE WORKING DAYS BEFORE OPEN CUTTING OR BORING/JACKING OF ANY COUNTY ROAD FOR LAYING WATER/SEWER MAINS OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH DPW REQUIREMENTS PER SECTION 18.114(c) OF THE HOWARD COUNTY CODE.

PART II - WATER

- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH 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 INSTALLED IN ACCORDANCE WITH STANDARD DETAILS. THE 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.

PART III - SEWER

- ALL SEWER MAINS SHALL BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.

F-05-94

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
Jim Myers 9-21-05
U.S. SOIL CONSERVATION DISTRICT DATE

THIS DEVELOPMENT IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
John P. Roberts 9-21-05
SOIL CONSERVATION DISTRICT DATE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Rita B. Bunn 9-1-05
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
William D. ... 9/10/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

KCE ENGINEERING, INC.
EXECUTIVE CENTER
3300 NORTH RIDGE ROAD, SUITE 315
ELLICOTT CITY, MARYLAND 21043
PHONE (410) 203-9800 FAX (410) 203-9228

BY	NO.	REVISION	DATE

COVER SHEET
600' SCALE MAP NO. 38
BLOCK NO. 9 ZONE R-12



DORCHESTER HOMES
LOTS 1-3, 5-18 AND O.S. LOTS 4 & 19
CONTRACT NO. 14-4220-D
F-05-94
REF: S-03-02, WP-03-35, P-04-11
1ST ELECTION DISTRICT- HOWARD COUNTY, MARYLAND
PARCEL 756 LIBER 771, FOLIO 440

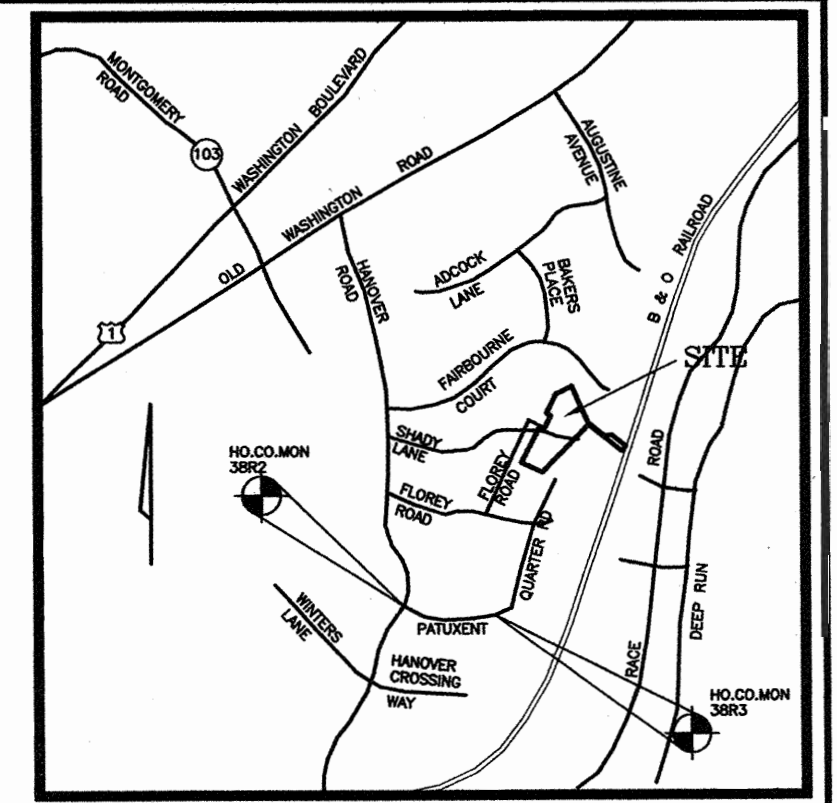
SCALE AS SHOWN
DATE 8/10/2005
SHEET 1 OF 3

WATER AND SEWER PLAN

DORCHESTER HOMES

LOTS 1-3, 5-18 AND O.S. LOTS 4 & 19

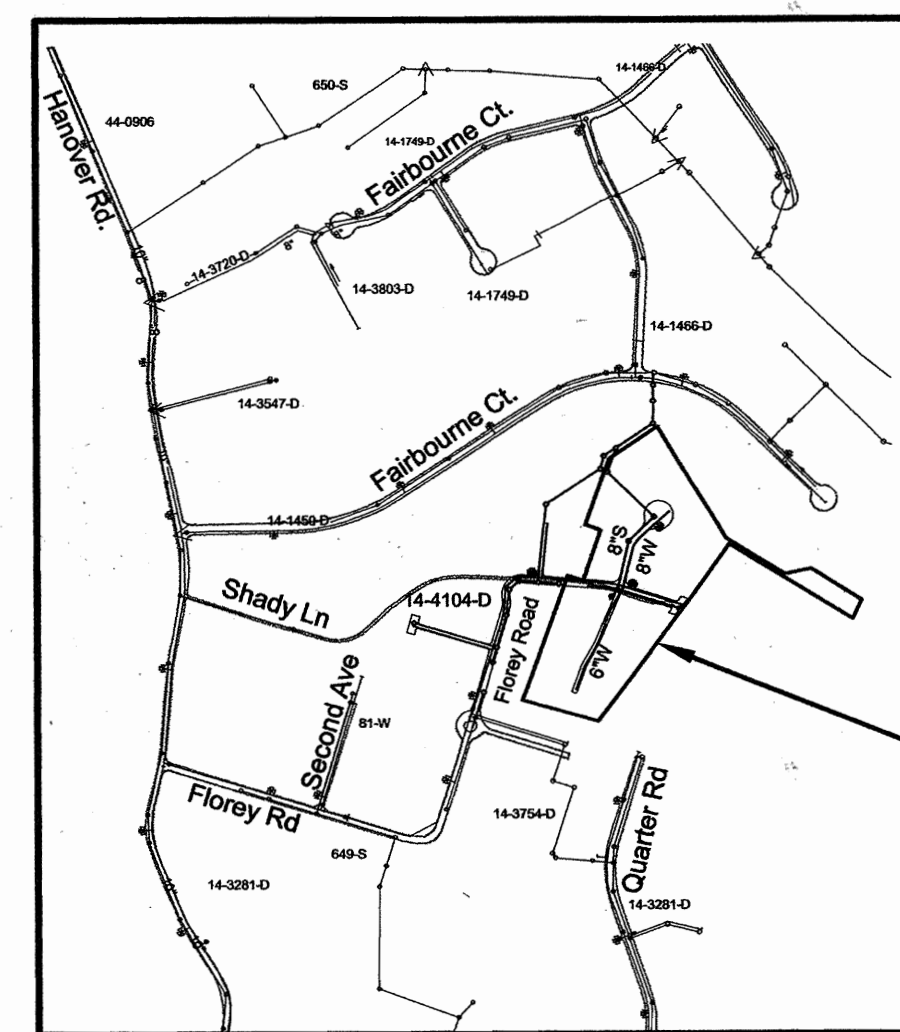
HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1"=2000'

BENCHMARKS			
#	ELEVATION	NORTHING	EASTING
38R2	168.788'	557500.683	1391227.052
38R3	124.653'	557417.823	1391983.177

TYPE OF BUILDING	RESIDENTIAL
NO. OF LOTS/PARCELS:	19
NO. OF WATER HOUSE CONNECTIONS:	17
NO. OF SEWER HOUSE CONNECTIONS:	17
DRAINAGE AREA:	PATAFSCO
TREATMENT PLANT:	PATAFSCO WASTE WATER TREATMENT PLANT



LOCATION MAP
SCALE 1:600

14-4220-D

WATER CODE: A01
SEWER CODE: 2023400
WATER TEST GRADIENT: 450

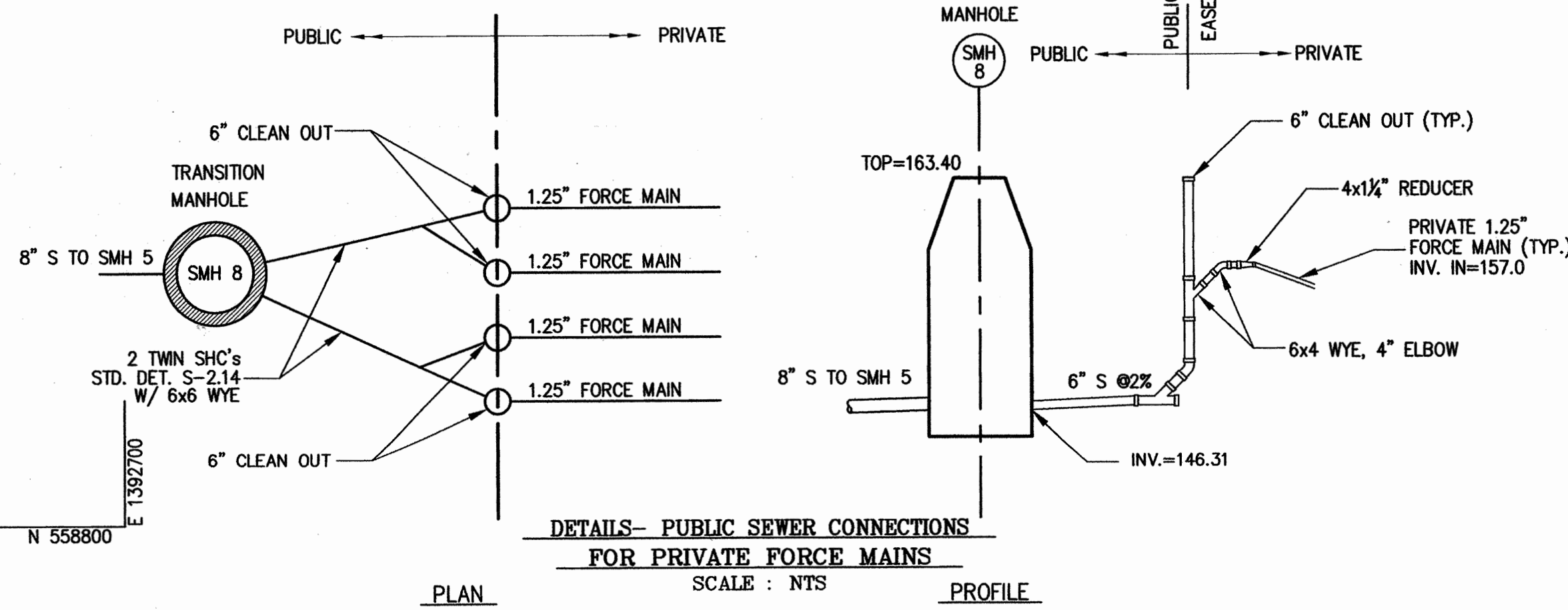
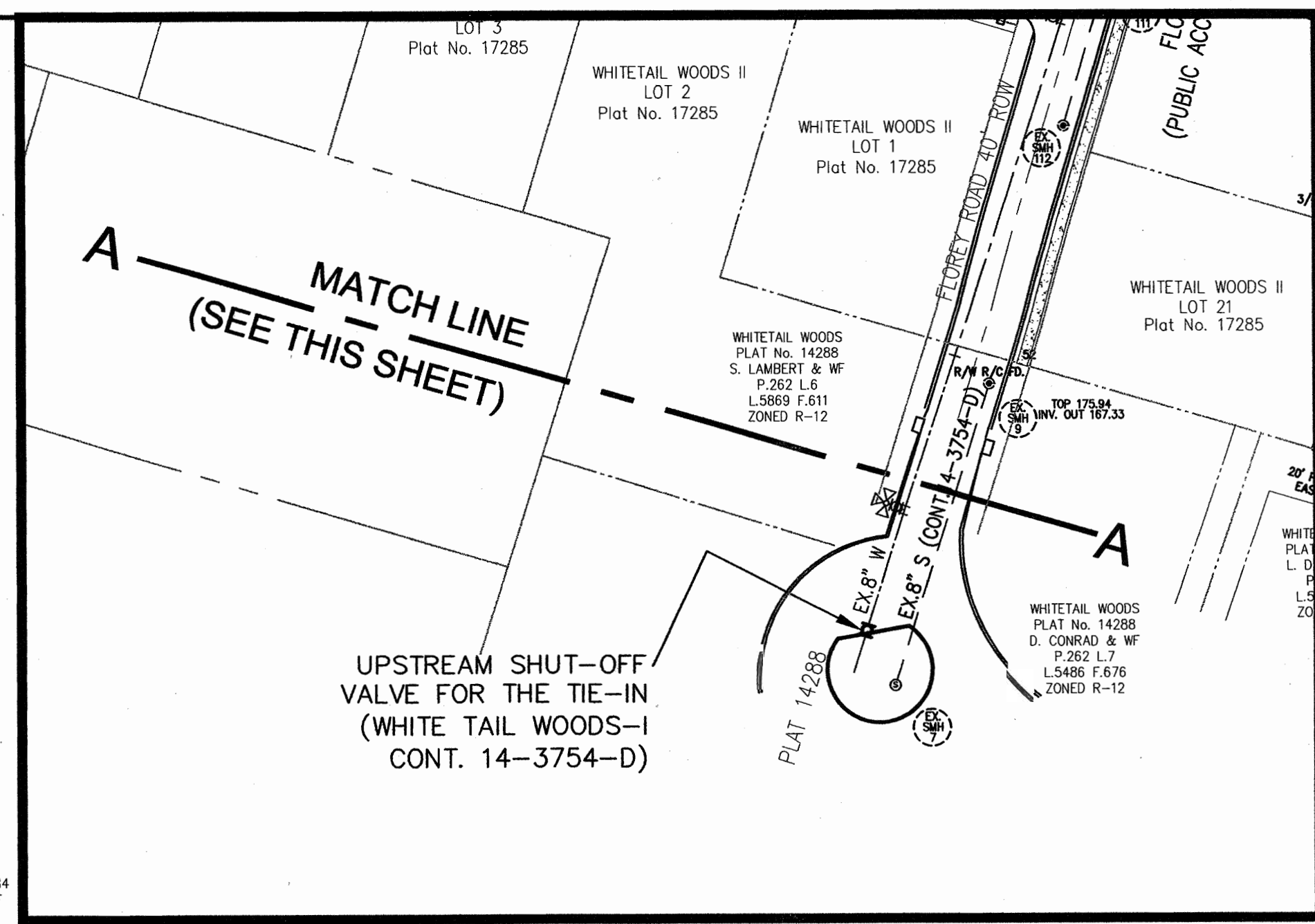
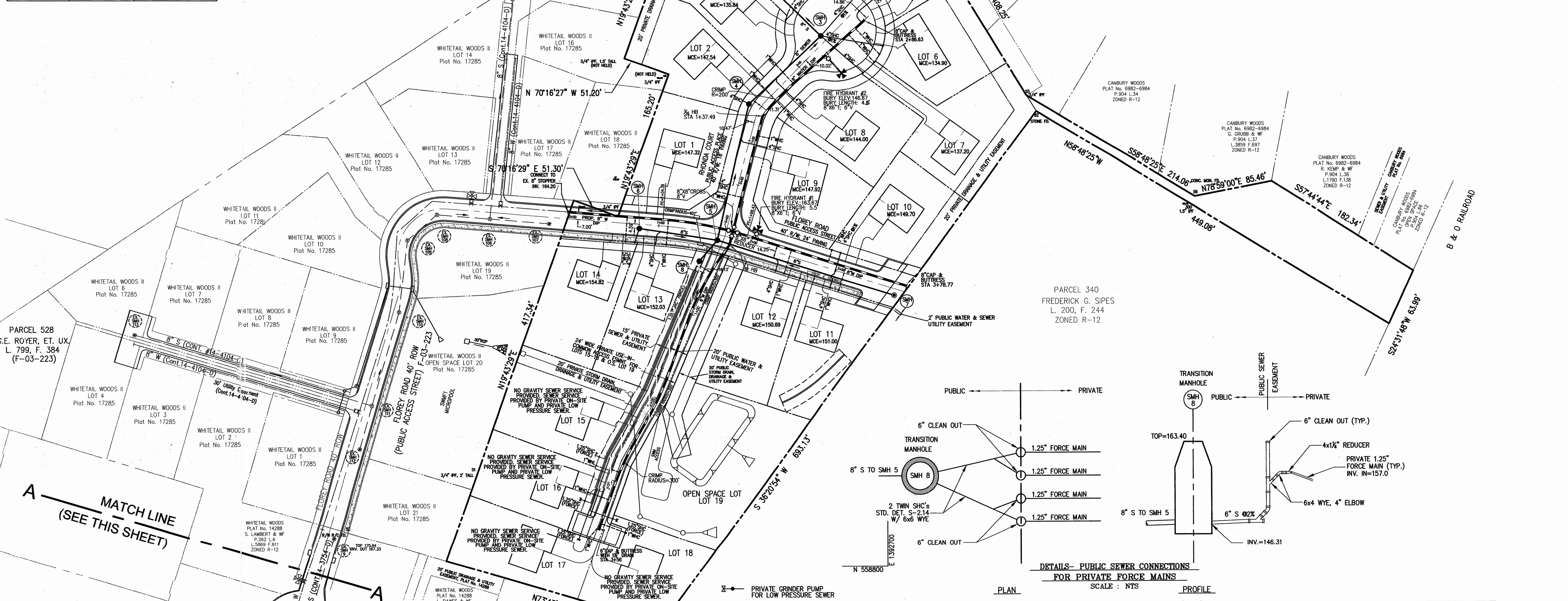
QUANTITIES

NAME OF UTILITY OF CONTRACTOR:				
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER / SUPPLIER
1" WHC	439 LF			
6" W	374 LF			
8" W	700 LF			
FIRE HYDRANT	2 EACH			
8"x6" TEE	2 EACH			
6" V	2 EACH			
8"x8" CROSS	1 EACH			
8"x6" REDUCER	1 EACH			
8" V	4 EACH			
6" CAP & BUTTRESS	1 EACH			
8" CAP & BUTTRESS	2 EACH			
1 1/2" WATER DRAIN	1 EACH			
4" SHC	360 LF			
8" S (DIP)	862 LF			
MANHOLES	8 EACH			
1.25" SHC (FORCE)	1170 LF			

OWNER/DEVELOPER

DORCHESTER HOMES, LLC
8248 VETERANS HWY, SUITE 101
MILLERSVILLE, MD 21108

ROAD STA./W.L. STA.	APPURTENANCE	OFFSET/NORTHING-EASTING
FLOREY ROAD		
7+23/1+75	8" VALVE	7' LEFT
7+28/1+80	8"x8" CROSS	7' LEFT
7+33/1+85	8" VALVE	7' LEFT
7+53.41/2+06	8"x6" TEE, 6" VALVE	7' LEFT
7+53.41/2+06	6" FIRE HYDRANT	16' LEFT
9+26.62/3+79	8" CAP & BUTTRISS	7' LEFT
RHONDA COURT		
0+12/0+05	8" VALVE	7' RIGHT
1+37.49/1+30.49	1/16 HB	6.47' RIGHT
2+36.34/2+29.34	8"x6" TEE, 6" VALVE	11.1' RIGHT
2+36.34/2+29.34	6" FIRE HYDRANT	37.73' RIGHT
2+93.63/2+86.63	8" CAP & BUTTRISS	14.92' RIGHT
USE-IN-COMMON PRIVATE ACCESS		
0+05	8" VALVE	7' LEFT
0+05	8"x6" REDUCER	7' LEFT
0+15	1/16 HB	N 559151, E 1392528
3+55.94	6" CAP & BUTTRISS	N 558841, E 1392384
3+55.94	1 1/2" DRAIN	N 558841, E 1392390



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

R. J. B... 9-1-05
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

W. J. B... 9/28/05
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

KCE ENGINEERING, INC.
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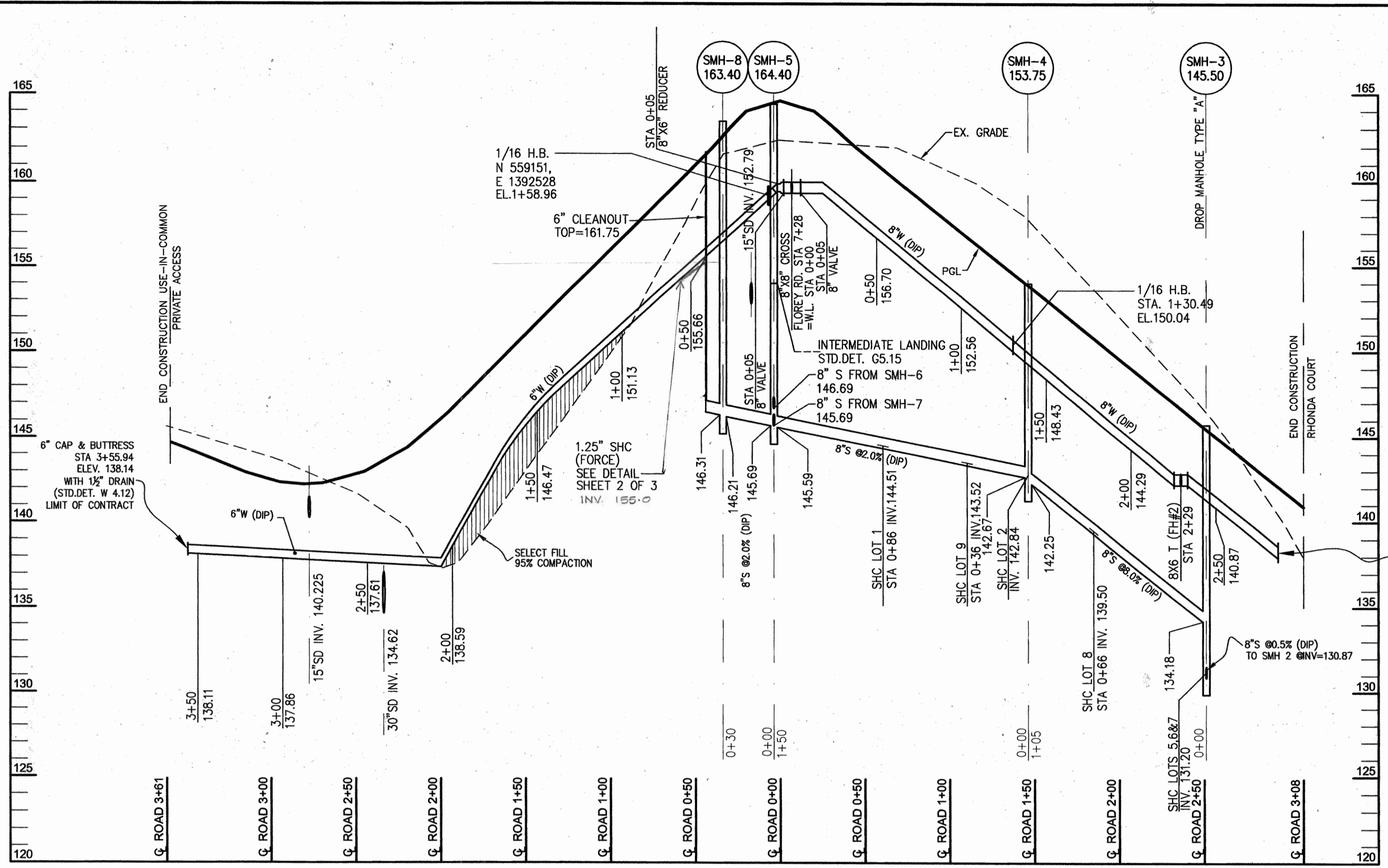
WATER AND SEWER PLAN

600' SCALE MAP NO. 38
BLOCK NO. 9 ZONE R-12



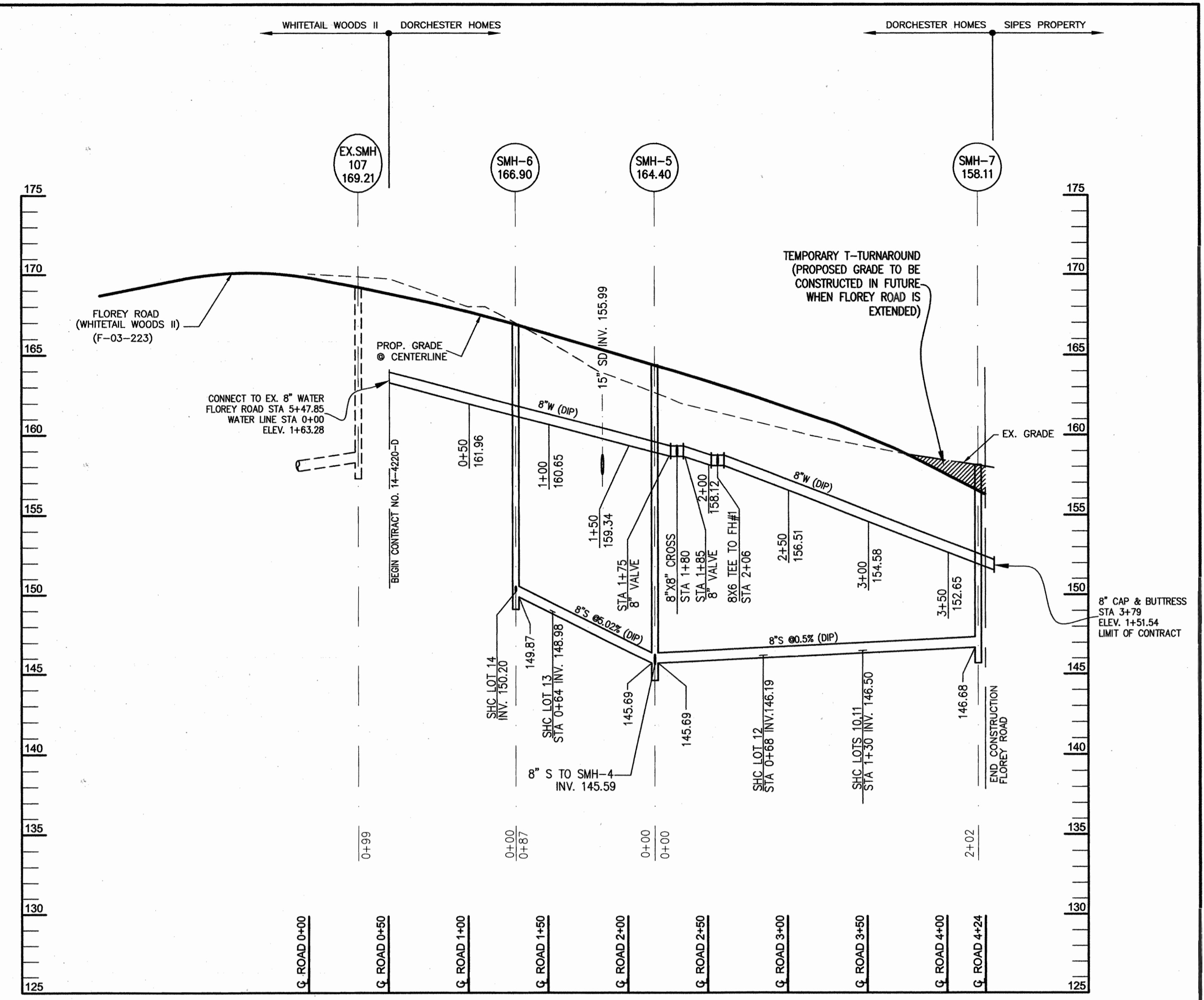
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SCALE
1"=50'
DATE
8/10/2005
SHEET
2 OF 3

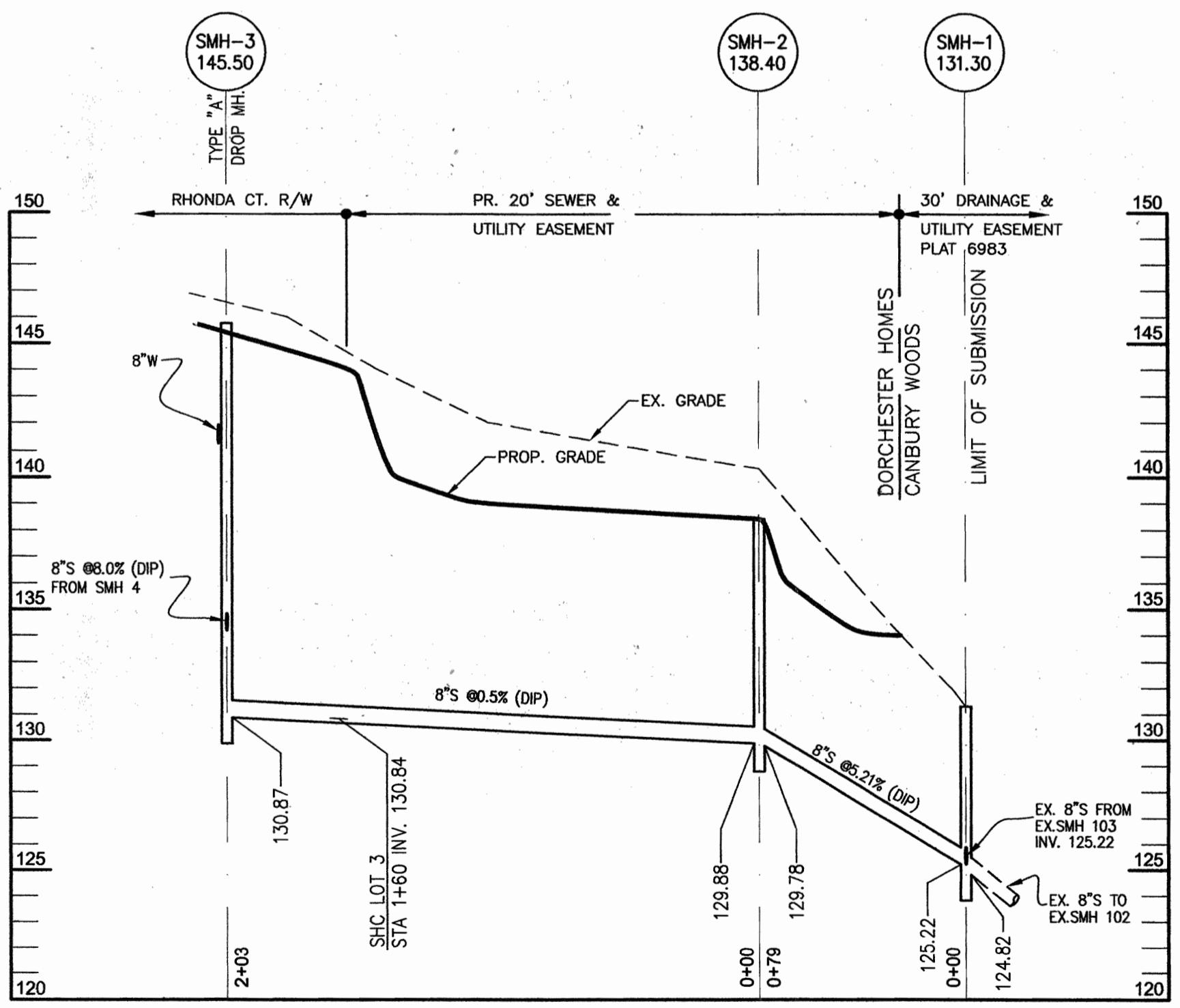


NOTES:
 1. MECHANICALLY RESTRAINED JOINTS TO BE USED FOR SECTION OF 6" WATER MAIN FROM WL STA 0+95 TO WL STA 2+10 (PLACED IN FILL)

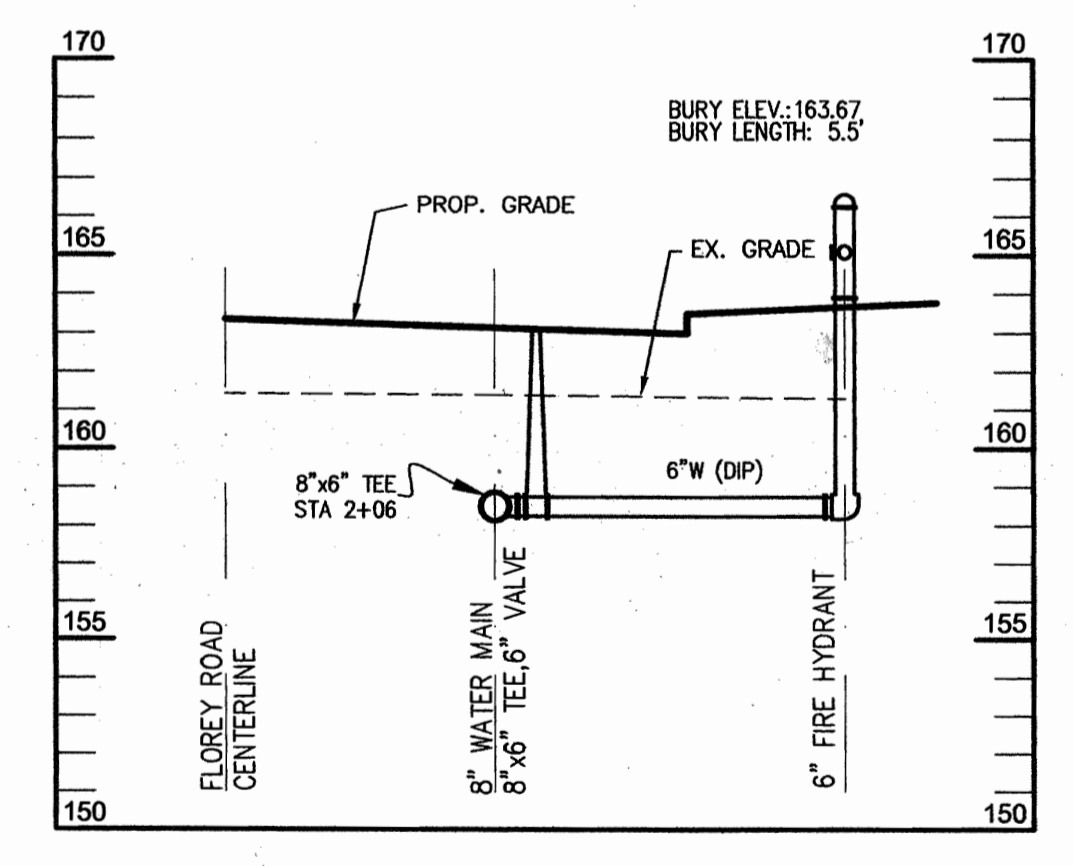
PRIVATE ROAD - RHONDA COURT
 WATER AND SEWER PROFILE
 SCALE 1"=50' H, 1"=5' V



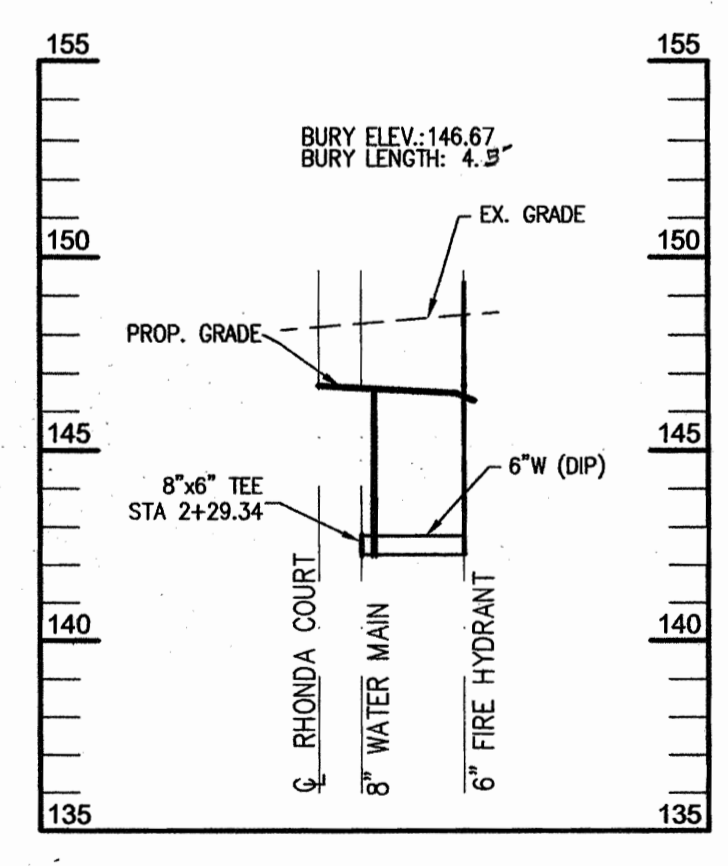
FLOREY ROAD
 WATER AND SEWER PROFILE
 SCALE 1"=50' H, 1"=5' V



RHONDA COURT - WHITETAIL WOODS II
 WATER AND SEWER PROFILE
 SCALE 1"=50' H, 1"=5' V



FIRE HYDRANT #1
 SCALE 1"=5' H, 1"=5' V



FIRE HYDRANT #2
 SCALE 1"=50' H, 1"=5' V

SEWER CONNECTION TABULATION					
LOT NO.	TYPE	ELEV. @ DROP	ELEV. @ MAIN	ELEVATION @ R/W OR PUBLIC EASEMENT	M.C.E.
1	SHC	-	144.51	144.71	148.31
2	SHC	-	142.84	142.94	147.54
3	SHC	-	130.84	131.12	135.84
5**	SHC	-	131.20	132.52	134.50
7	SHC	-	131.20	132.52	134.90
8	SHC	-	131.20	132.36	137.20
9	SHC	-	139.50	140.10	144.00
10**	SHC	-	143.52	144.12	147.92
11	SHC	-	146.50	147.04	149.70
12	SHC	-	146.50	146.76	151.00
13	SHC	-	146.19	146.45	150.69
14	SHC	-	148.98	149.26	151.78
15	SHC	-	150.20	150.48	154.82
16	SHC (FORCE)	-	-	-	-
17	SHC (FORCE)	-	-	-	-
18	SHC (FORCE)	-	-	-	-

SEWER MANHOLES SCHEDULE					
NO.	TYPE	LOCATION	TOP ELEV.	INV. IN	INV. OUT
1	PRECAST MH HO. CO. STD DET G 5.14	N 559595, E 1392511	131.30	125.22	124.82
2	PRECAST MH HO. CO. STD DET G 5.12	N 559521, E 1392485	138.40	129.88	129.78
3	HO. CO. STD DET G 5.12, S 1.32 TYPE 'A' DROP PRECAST MH	Q STA 2+48 7' LEFT	145.50	134.18	130.87
4	PRECAST MH HO. CO. STD DET G 5.12	Q STA 1+43 13' LEFT	153.75	142.67	142.25
5	PRECAST MH HO. CO. STD DET G 5.12	Q STA 7+14 6.2' RIGHT	164.40	145.69	145.59
6	PRECAST MH HO. CO. STD DET G 5.12	Q STA 6+27 4.59' RIGHT	166.90	-	149.87
7	TERMINAL MANHOLE HO. CO. STD DET S 1.31	Q STA 9+17 7.09' RIGHT	158.11	-	146.68
8	PRECAST MH HO. CO. STD DET G 5.12 (TRANSITION MANHOLE)	N 559133, E 1392495	163.40	-	146.21

DEPARTMENT OF PUBLIC WORKS
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 DATE 9/1/05

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PROFILES
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 SHEET 3 OF 3