

WATER & SEWER EXTENSIONS

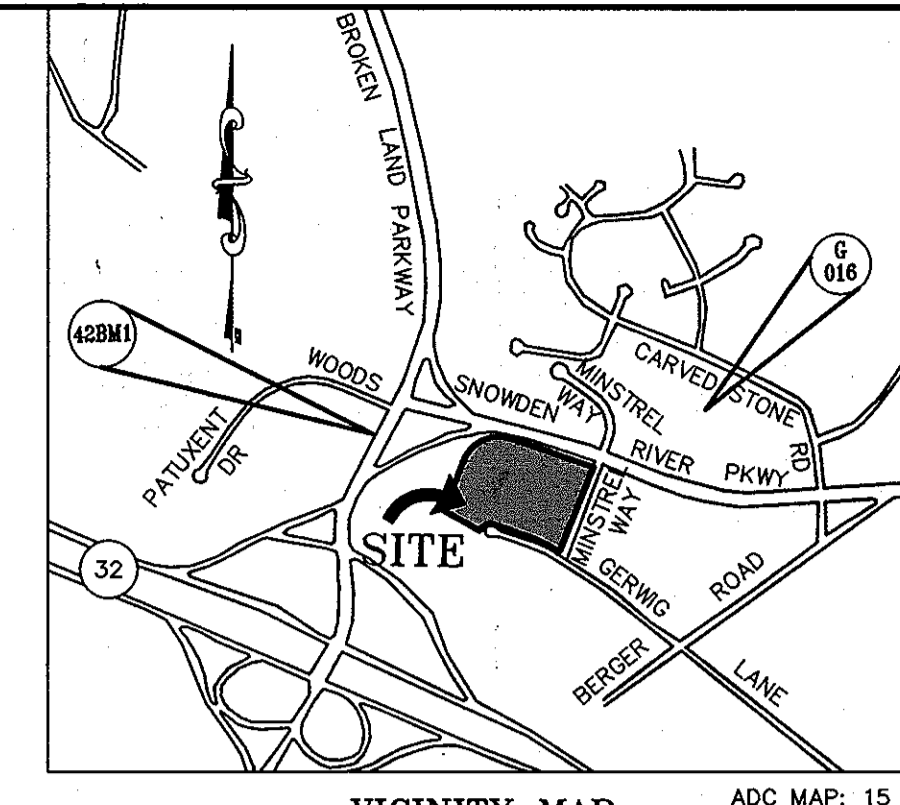
MINSTREL CROSSING

LOTS 24, 25, 26, 27 & 28

6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

CONTRACT NO. 24-4478-D



VICINITY MAP
 ADC MAP: 15
 COORD: J-13
BENCHMARK: 1"=1000'
 GEODETIC CONTROL 0016: LOCATED AT CARVED STONE ROAD AND TRANSMISSION LINE (ELEV. 358.954) N 550.279.382
 BENCHMARK 42BM1: CONCRETE MONUMENT AT CORNER OF BROKEN LAND PKWY AND SNOWDEN RIVER PKWY. (ELEV. 328.366)

SHEET INDEX	
SHEET	TITLE
1	TITLE SHEET
2	PLAN VIEW
3	PROFILES
4	PROFILES

QUANTITIES			
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	MANUFACTURER / AS-BUILT / SUPPLIER
6" WATER	63 LF	63 LF	GRIFFIN PIPE / L.B. WATER SER
8" WATER	1,372 LF	1,372 LF	GRIFFIN PIPE / L.B. WATER SER
8" VALVES	7	EACH-7	KENEDY VALVE / L.B. WATER SER
8" VALVES	2	EACH-2	KENEDY VALVE / L.B. WATER SER
8" x 8" TEES	1	EACH-1	TYLER PIPE / L.B. WATER SER
8" 45° VERT. BENDS	4	NOT USED	---
8" 45° HORIZ. BENDS (1/8)	6	EACH-6	TYLER PIPE / L.B. WATER SER
8" 22.5° VERT. BEND (1/16)	1	NOT USED	---
8" 11.25° VERT. BEND (1/32)	1	NOT USED	---
8"x8" TS&V	2	EACH-2	FOOD METER BOX / L.B. WATER SER
8" CAP & BUTTRESS	3	EACH-3	TYLER PIPE / L.B. WATER SER
FIRE HYDRANT - 5.0' FHT & VALVE	1	EACH-1	AMERICAN / L.B. WATER SER
FIRE HYDRANT - 4.5' FHT & VALVE	3	EACH-3	AMERICAN / L.B. WATER SER
		NOT USED	---
		NOT USED	---
8"x8" TEES	2	EACH-2	TYLER PIPE / L.B. WATER SER
8" SEWER (SDR 35)	405 LF	405 LF	J.M. PIPE / L.B. WATER SER
8" SEWER (DIP)	20 LF	20 LF	GRIFFIN PIPE / L.B. WATER SER
SEWER MANHOLE (STD)	4	EACH-4	CONTRACTORS PRECAST CORP
SEWER MANHOLE (TYPE 'A' DROP)	1	EACH-1	CONTRACTORS PRECAST CORP

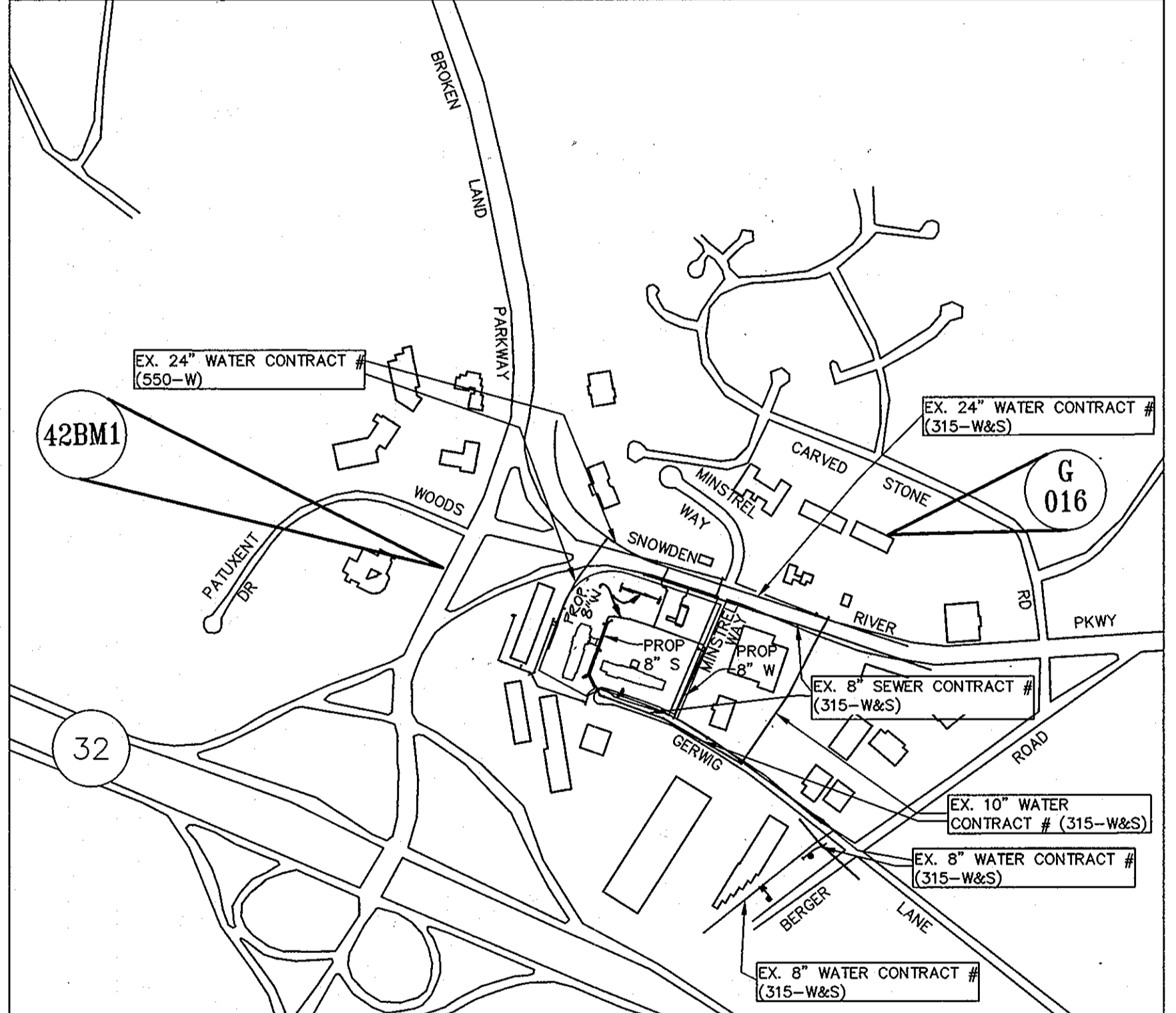
CONTRACTOR: GAINES & COMPANY
AS-BUILT DATE: 11-7-08 **D.F.I. KENT PAGE**
SURVEY AND DRAFTING DIVISION

QUANTITIES ** WORK PERFORMED UNDER A.D.O. (SDP-06-124) **			
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	AS-BUILT
6" WATER	10 LF		N.I.C.
8" WATER	110 LF		N.I.C.
8" VALVES	1		N.I.C.
FIRE HYDRANT - 5.0' FHT & VALVE	1		N.I.C.
10"x8" REDUCER	1		N.I.C.
8" 45° HORIZ. BENDS (1/8)	4		N.I.C.
8" CAP & BUTTRESS	1		N.I.C.

N.I.C. - Not in Contract

- SITE ANALYSIS**
- TOTAL AREA OF SITE: 8.697 ACRES
 - ZONING: NT
 - EXISTING USE: COMMERCIAL
 - PROPOSED USE: COMMERCIAL
 - BUILDING DATA: MAXIMUM BUILDING HEIGHT 50' FOR PRIMARY STRUCTURE.
 - PARKING DATA: N/A
 - IMPERVIOUS AREA:
 - DEED REFERENCE:
 - RELATED FILES FOR THIS SITE: SDP-06-124, F-07-114 (PLAT 19555), SDP-07-078
 - ELECTION DISTRICT NO. 6TH, HOWARD COUNTY MARYLAND
 - TAX MAP: 42 GRID: 3.9 PARCEL: 375, 399
 - AREA OF DISTURBANCE: 0.8 AC.

QUANTITIES ** WORK PERFORMED UNDER A.D.O. (SDP-07-078) **			
ITEMS	QUANTITIES ESTIMATED	QUANTITIES	AS-BUILT
6" WATER	48 LF		
8" WATER	233 LF		
6" VALVE			
8"x8" TS & V			
8" CAP & BUTTRESS			
FIRE HYDRANT - 5.0' FHT & VALVE			
FIRE HYDRANT - 4.5' FHT & VALVE			
6" SEWER (SDR 35)	10 LF		
8" SEWER (SDR 35)	89 LF		
SEWER MANHOLE (STD)			
CLEANOUT			



VICINITY MAP
 1"=600'
 TYPE OF BLDGS PROPOSED: COMMERCIAL
 NO. OF LOTS/USERS: 4
 SEWER SHED: LITTLE PATUXENT
 TREATMENT PLANT: LITTLE PATUXENT
 NUMBER OF W.H.C.: 2
 NUMBER OF S.H.C.: 2

- DEPARTMENT OF PUBLIC WORKS**
 BUREAU OF ENGINEERING
 UTILITY DESIGN DIVISION
- GENERAL NOTES:**
- PART I,**
- APPROXIMATE LOCATIONS 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 IN NOVEMBER, 2006 BY LITTLE & ASSOCIATES, INC.
 - HORIZONTAL AND VERTICAL SURVEY CONTROLS:
 THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD 83/91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATION NO. 16 AND NO. BENCHMARK 42BM1.
 ALL VERTICAL CONTROLS ARE BASED ON NAVD '88. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE LITTLE & ASSOCIATES, INC.
 - 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 CONTRACTED THE UTILITY COMPANIES AND HAS MADE ARRANGEMENTS FOR ADDITIONAL POLES. ANY COST INCURRED BY THE OWNER FOR THE BRACING OF ADDITIONAL POLES OR DAMAGES SHALL BE DEDUCTED FROM THE MONIES TO THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANY TO SCHEDULE THE BRACING OF THE POLES.
 - FOR DETAILS NOT SHOWN ON THE DRAWING, 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.
 - 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 ON THESE PLANS:
 AT&T1-800-252-1133
 BGE (CONSTRUCTION SERVICES)410-850-4620
 BGE (EMERGENCY)410-685-1400
 BUREAU OF UTILITIES410-313-4900
 COLONIAL PIPELINE CO.410-795-1390
 MISS UTILITY1-800-257-7777
 STATE HIGHWAY ADMINISTRATION410-531-5533
 VERIZON1-800-743-0033/410-224-9210
 - 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 (A) OF THE HOWARD COUNTY CODE.
- PART II WATER**
- ALL WATER MAINS SHALL BE D.I.P. CLASS 54 UNLESS OTHERWISE NOTED.
 - TOPS OF ALL WATER MAINS SHALL HAVE 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 SECTION 1005 OF THE STANDARD SPECIFICATIONS.
 - THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
 - OUTSIDE WATER METERS AS SHOWN ON THE PLANS SHALL BE SUPPLIED BY HOWARD COUNTY DPW UPON PAYMENT OF FEES AND INSTALLED BY THE DEVELOPER'S CONTRACTOR.
- PART III SEWER**
- ALL SEWER MAIN SHALL BE D.I.P. OR P.V.C. 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 OVER. STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADES UNLESS OTHERWISE NOTED ON THE DRAWINGS.

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-07-078

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS. (SDP-07-078, F-07-114)

[Signature]
 NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT (SDP-07-078, F-07-114)

[Signature] 5/1/08
 HOWARD SOIL CONSERVATION DISTRICT DATE

OWNERS: SNOWDEN ROCK, LLC; OTO ROCK, LLC; COLEMAN ROCK, LLC
 TRANSITION ROCK, LLC; FILL ROCK, LLC C/O OTO DEVELOPMENT
 C/O H&H ROCK 961 E. MAIN STREET
 6800 DEERPATH ROAD SPARTANBURG, SC 29302
 ELKRIDGE, MD 21075 864-327-4035

DEVELOPER: H&H ROCK
 6800 DEERPATH ROAD SUITE 100
 ELKRIDGE, MD 21075
 410-579-2442

CHEVY CHASE BANK, F.S.B.
 7501 WISCONSIN AVENUE, 9TH FLR
 BETHESDA, MD 20814
 240-497-7032

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

[Signature] 4/14/08
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

[Signature] 5/1/08
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE



LITTLE & ASSOCIATES, INC.
 ENGINEERS~LAND PLANNERS~SURVEYORS
 1055 TAYLOR AVENUE, SUITE 307
 TOWSON, MARYLAND 21286
 PHONE: (410)296-1636 FAX: (410)296-1639

DES: AMK	1/1/08	REMOVED OUTSIDE WM VALVES, FOR INTERNAL METER USE	8/08
DRN: PFS	1/1/08	ADDED WATER AND SEWER EXTENSIONS, LOT 27	9/08
JMH:		ADDED SHEET 4	
DATE:			
FEB 28, 2008	BY NO.	REVISION	DATE

TITLE SHEET

300 SCALE MAP NO. _____ BLOCK NO. _____

AS-BUILT 11-7-2008

WATER & SEWER EXTENSIONS
 MINSTREL CROSSING SUBDIVISION
 LOTS 24, 25, 26, 27 & 28
 CONTRACT NO. 24-4478-D

TAX MAP 42 - PARCELS 375,399 ZONE: NT
 ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
 SHEET: 1 OF 4

MARYLAND SURVEYING BOARD - PHASE II - PUBLIC WATER-SAN SHEET 1.dwg, 2/28/2008 4:35:43 PM, Designated 2008-06-02 (C77789).dwt, Plot D - 24 - 36 in. (6x6x96).plt

WATER LINE DATA - 8" W FROM SNOWDEN RIVER PARKWAY SOUTH TO GERWIG LANE CUL DE SAC

STATION	DESCRIPTION	NORTHING	EASTING
0+00	10"x8" REDUCER	N 550080.3183	E 1356048.7521
0+11	8"x6" FHT	N 550069.8080	E 1356044.4668
0+23	1/8 HORIZ. BEND	N 550059.2061	E 1356040.0833
0+37	1/8 HORIZ. BEND	N 550046.2601	E 1356045.5088
0+44	8" VALVE	N 550043.5612	E 1356052.2378
0+53	1/8 HORIZ. BEND	N 550040.2039	E 1356060.6084
0+67	1/8 HORIZ. BEND	N 550027.1422	E 1356066.3123
2+51	8"x8" TEE	N 549856.7869	E 1355996.4447
2+56	8" VALVE	N 549858.3996	E 1355992.5126
3+02	BEGIN CRIMP (R=600')	N 549876.1468	E 1355949.2404
4+22	END CRIMP	N 549910.1647	E 1355835.1868
4+44	1/32 HORIZ. BEND	N 549914.4003	E 1355813.2240
4+65	1/16 HORIZ. BEND	N 549914.3130	E 1355792.0663
4+74	1/8 HORIZ. BEND	N 549910.8074	E 1355783.7408
4+95	8"x6" FHT	N 549891.4346	E 1355775.8484
4+99	8" VALVE	N 549887.4987	E 1355774.2450
6+25	8"x6" FHT	N 549770.9525	E 1355728.7645
7+58	1/8 HORIZ. BEND	N 549648.3001	E 1355676.7964
8+07	8"x6" TEE	N 549602.9351	E 1355695.8157
8+47	8" VALVE	N 549565.6728	E 1355711.4380
8+51	8" X 8" TAPPING SLEEVE	N 549561.7533	E 1355713.0812

WATER LINE DATA - 8" W FROM GERWIG LANE NORTH ALONG MINSTREL WAY & WEST ALONG ACCESS ROAD

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8" X 8" TAPPING SLEEVE	N 549421.4926	E 1356068.7065
0+04	8" VALVE	N 549424.9049	E 1356070.7936
0+08	BEGIN CRIMP (R=2000')	N 549428.0132	E 1356072.6946
3+19	45° VERTICAL BEND	N 549705.1770	E 1356213.8593
3+22	45° VERTICAL BEND	N 549707.9490	E 1356215.0068
3+26	45° VERTICAL BEND	N 549711.6475	E 1356216.5303
3+29	45° VERTICAL BEND	N 549714.4231	E 1356217.6689
3+29	END CRIMP	N 549714.4231	E 1356217.6689
3+51	8"x6" FHT	N 549734.7762	E 1356226.0163
3+51	5.0' LT.	N 549736.6734	E 1356221.3903
3+51	25.0' LT.	N 549744.2184	E 1356202.9937
3+66	1/8 HORIZ. BEND	N 549748.9168	E 1356231.8158
3+81	1/8 HORIZ. BEND	N 549762.6024	E 1356228.0910
6+25	8" VALVE	N 549855.1742	E 1356000.3769

WATER LINE DATA - H-1 SOUTH OF HAMPTON INN ALONG GERWIG LANE

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8"x6" FHT	N 549537.2378	E 1355823.2904
0+03	6" VALVE	N 549534.9163	E 1355822.3782
0+05	FH (H-1)	N 549532.6053	E 1355821.4702

WATER LINE DATA - H-2 NORTH OF HAMPTON INN AND SUITES

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8"x6" FHT	N 549770.5752	E 1355727.6906
0+04	6" VALVE	N 549769.3490	E 1355730.7004
0+22	F.H. (H-2)	N 549762.2749	E 1355748.0647

WATER LINE DATA - H-3 NORTH OF SPRINGHILL SUITES

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8"x6" FHT	N 549891.8119	E 1355774.9223
0+03	6" VALVE	N 549892.6469	E 1355772.8324
0+09	F.H. (H-3)	N 549894.8302	E 1355767.5136

WATER LINE DATA - H-4 FROM MINSTREL WAY

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8"x6" FHT	N 549734.7762	E 1356226.0163
0+05	6" VALVE	N 549736.6734	E 1356221.3903
0+25	F.H. (H-4)	N 549744.2184	E 1356202.9937

WATER LINE DATA - H-5 ALONG SNOWDEN RIVER PARKWAY (PART OF A.D.O.)

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8"x6" FHT	N 550069.8080	E 1356044.4668
0+04	6" VALVE	N 550068.2016	E 1356048.4015
0+10	F.H. (H-5)	N 550066.0282	E 1356053.7252

LEGEND

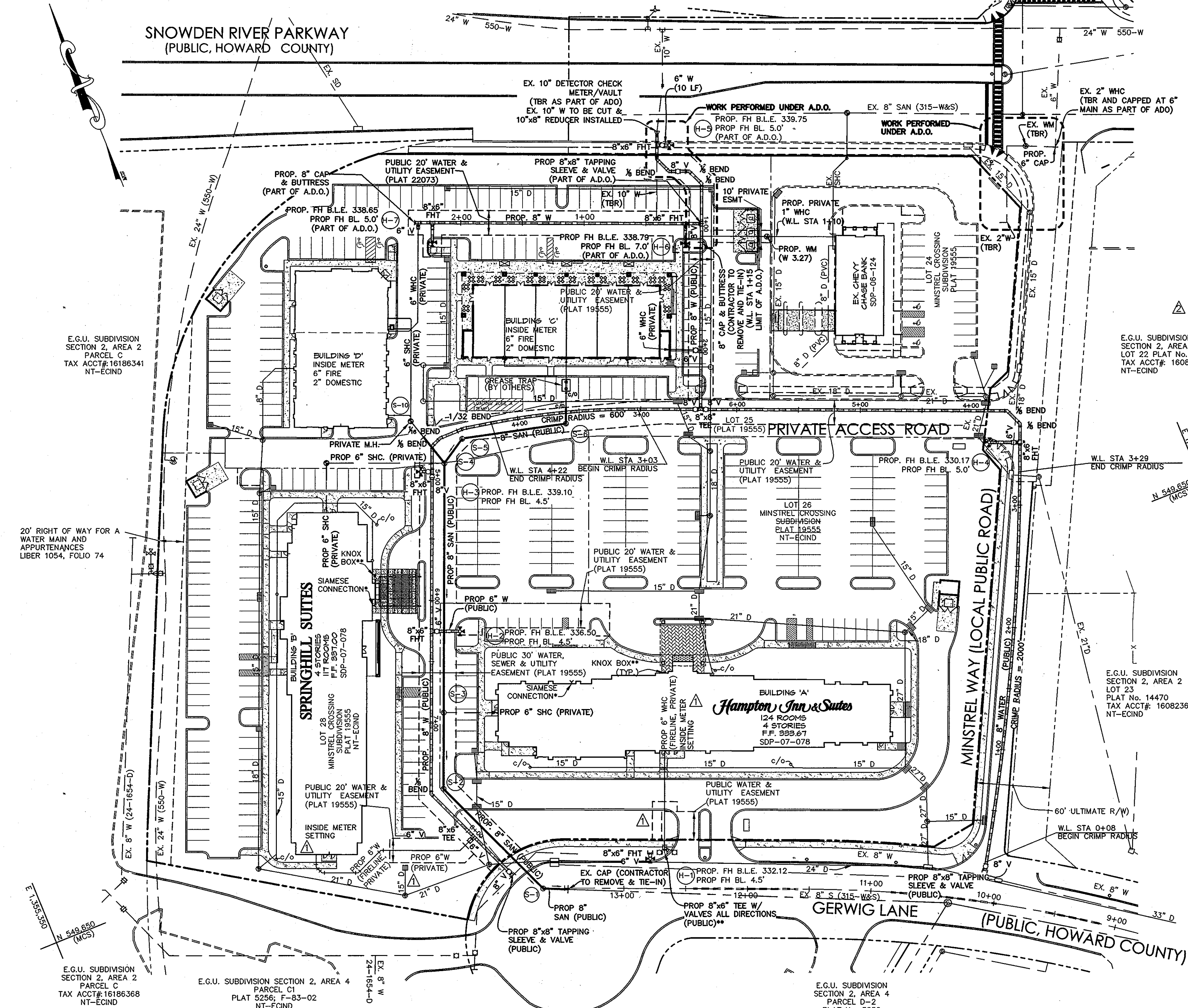
- EXISTING CONTOUR - - - - - 136
- PROPOSED CONTOUR - - - - - 136
- EXISTING FENCE - - - - - X
- PROPERTY LINE - - - - -
- EX. GAS LINE - - - - -
- PROPOSED SEWER (PUBLIC) - - - - -
- PROPOSED WATER (PUBLIC) - - - - -
- PROPOSED EASEMENT - - - - -
- CLEANOUT - - - - - C/O

NOTES:
 ALL WATER LINES SHALL BE DUCTILE IRON PIPE (D.I.P.)
 ALL SEWER CONNECTIONS SHALL BE HOWARD COUNTY DETAIL S2.12
 ALL SEWER CLEANOUTS SHALL BE HOWARD COUNTY DETAIL S2.22
 SEWER MANHOLES SHALL BE HOWARD COUNTY DETAIL S1.32
 *NO LANDSCAPE MATERIALS SHALL BE PLANTED WITHIN 7 1/2' OF EACH SIDE OF THE SIAMENSE CONNECTION.
 **A KNOX BOX IS TO BE PLACED WITHIN 6' TO THE RIGHT OF MAIN ENTRANCE OF BUILDINGS. THE KNOX BOX SHALL BE PLACED ON THE BUILDING AT A HEIGHT OF 4'-6". THE BOX SHALL BE INTEGRATED WITH THE FIRE ALARM SYSTEM.

SANITARY SEWER DATA

MH #	STRUCTURE	NORTHING	EASTING
S-1	TYPE 'A' DROP MH (S-1.32)	N 549542.6665	E 1355731.9267
S-2	G-5.12	N 549648.3549	E 1355687.6168
S-3	G-5.12	N 549705.9027	E 1355711.0615
S-4	G-5.12	N 549894.9627	E 1355787.7035
S-5	TERMINAL (S-1.31)	N 549907.1199	E 1355808.4827
S-6	TERMINAL (S-1.31)	N 549,886,9815	E 1,355,891,0338
C/O	CLEANOUT (S-3.21)	N 549,899,2322	E 1,355,896,0538

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-07-078



WATER LINE DATA - 8" W EXTENSION (PART OF A.D.O.; SDP-07-078)

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8" X 8" TAPPING SLEEVE	N 549,996,7984	E 1,356,053,8676
0+04	8" VALVE	N 549,998,4111	E 1,356,049,9354
0+13	8"x6" FHT	N 550,001,7426	E 1,356,041,8122
2+18	8"x6" FHT	N 550,079,5196	E 1,355,852,1718
2+30	8"x6" TEE	N 550,083,8847	E 1,355,841,5286
2+33	8" CAP & BUTTRESS	N 550,085,0251	E 1,355,838,7480

WATER LINE DATA - H-6 (PART OF A.D.O.; SDP-07-078)

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8"x6" FHT	N 550,001,7426	E 1,356,041,8122
0+04	6" VALVE	N 49,997,8047	E 1,356,040,1972
0+16	FH (H-6)	N 549,986,9520	E 1,356,035,7462

WATER LINE DATA - H-7 (PART OF A.D.O.; SDP-07-078)

STATION	DESCRIPTION	NORTHING	EASTING
0+00	8"x6" FHT	N 550,079,5196	E 1,355,852,1718
0+04	6" VALVE	N 550,075,5875	E 1,355,850,5591
0+16	FH (H-7)	N 550,062,8786	E 1,355,845,3467

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY CONSERVATION DISTRICT (SDP-07-078, F-07-144).

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS (SDP-07-078, F-07-114)

John K. Blanton 10/14/12
 HOWARD SOIL CONSERVATION DISTRICT DATE

[Signature] 10/12/12
 NATURAL RESOURCES CONSERVATION SERVICE DATE

OWNER: SNOWDEN ROCK, LLC; OTO ROCK, LLC; COLEMAN ROCK, LLC; TRANSITION ROCK, LLC; PILL ROCK, LLC; C/O OTO DEVELOPMENT; 6800 DEERPATH ROAD SUITE 100 ELK RIDGE, MD 21075 410-579-2442

DEVELOPER: H&H ROCK; 6800 DEERPATH ROAD SUITE 100 ELK RIDGE, MD 21075 410-579-2442

CONTRACTOR: CHEVY CHASE BANK, F.S.B.; 7501 WISCONSIN AVENUE, 9TH FLR BETHESDA, MD 20814 240-497-7032

****NOTE:** A SHUTDOWN WILL BE REQUIRED FOR INSTALLATION OF THE TEE AND VALVES AS SHOWN AT THE PRIVATE ENTRANCE ALONG GERWIG LANE. CONTRACTOR IS TO COORDINATE WITH HOWARD COUNTY DPW TO MINIMIZE EFFECTS TO OTHER PROPERTIES SERVICED BY THE EXISTING MAIN DURING SHUTDOWN.

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

[Signature] 10/12/12
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND

[Signature] 10/23/12
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

LITTLE & ASSOCIATES, INC.
 ENGINEERS~LAND PLANNERS~SURVEYORS
 1055 TAYLOR AVENUE, SUITE 307
 TOWSON, MARYLAND 21286
 PHONE: (410)296-1636 FAX: (410)296-1639

DES:	LA:	REVISION	DATE
AMK	LA	REMOVED OUTSIDE WM VAULTS, FOR INTERNAL METER USE	8/08
PFS	LA	ADDED WATER AND SEWER EXTENSIONS, LOT 27	9/12
JMH:		ADDED SHEET 4	
DATE:	BY:	NO.	REVISION
FEB. 28, 2008			

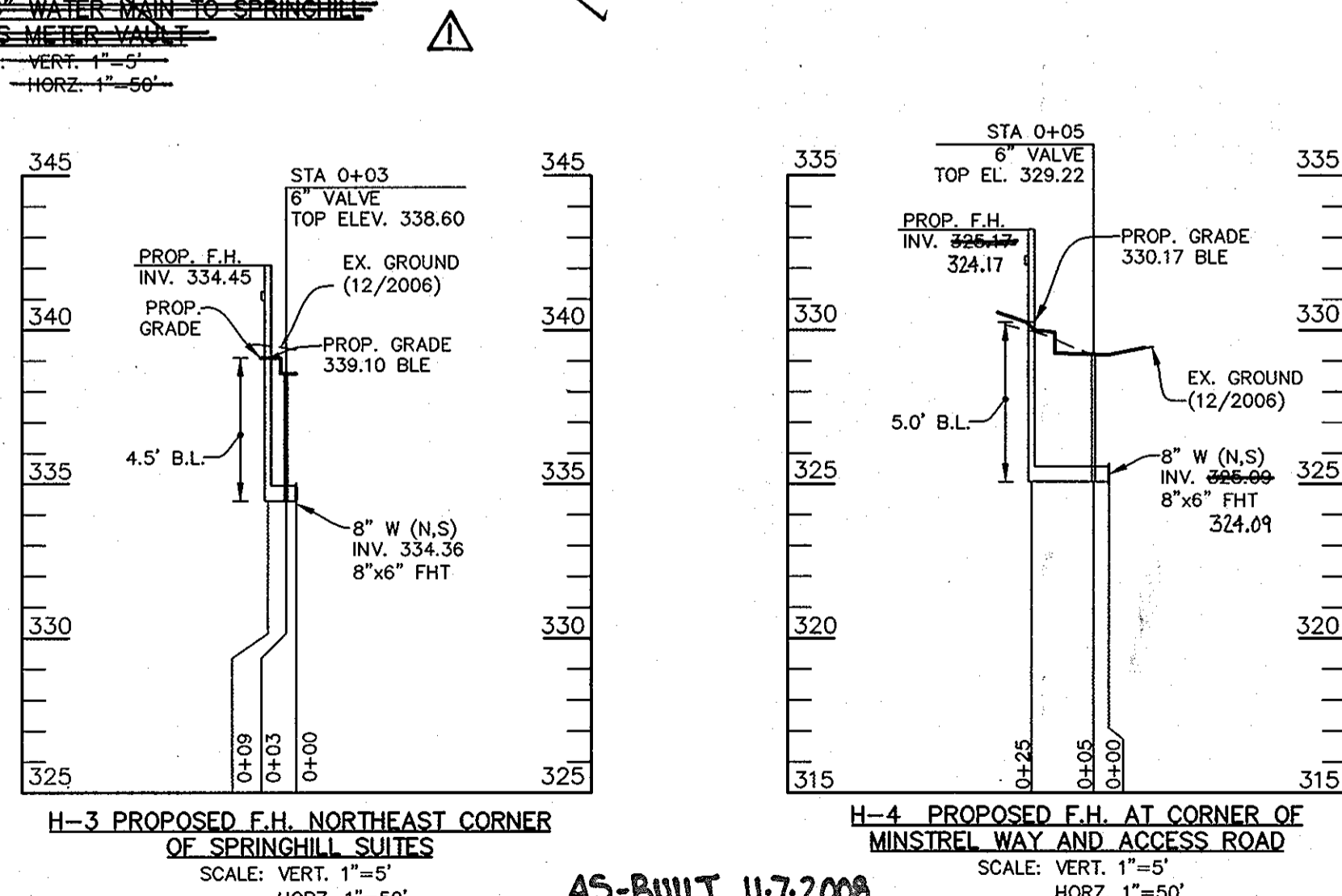
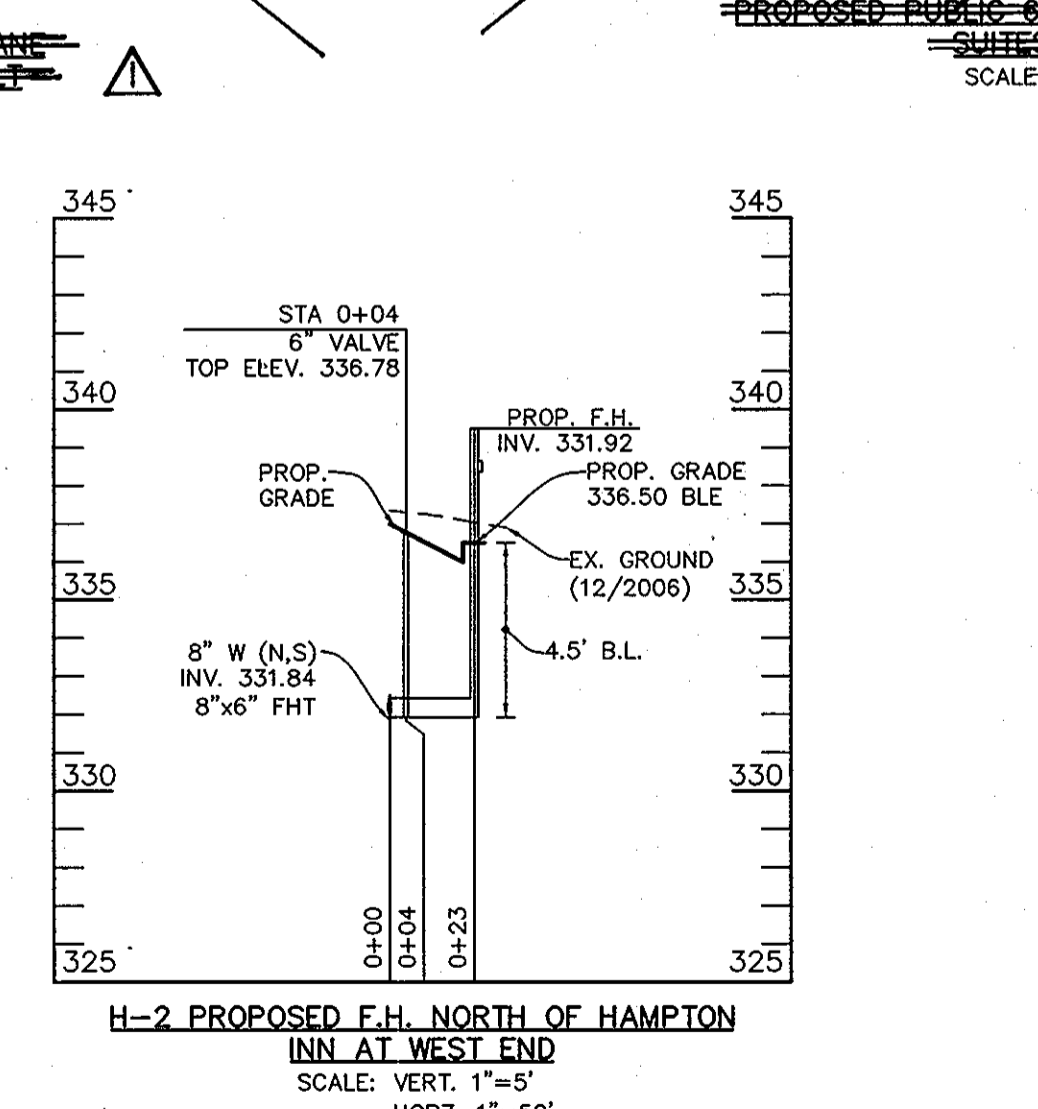
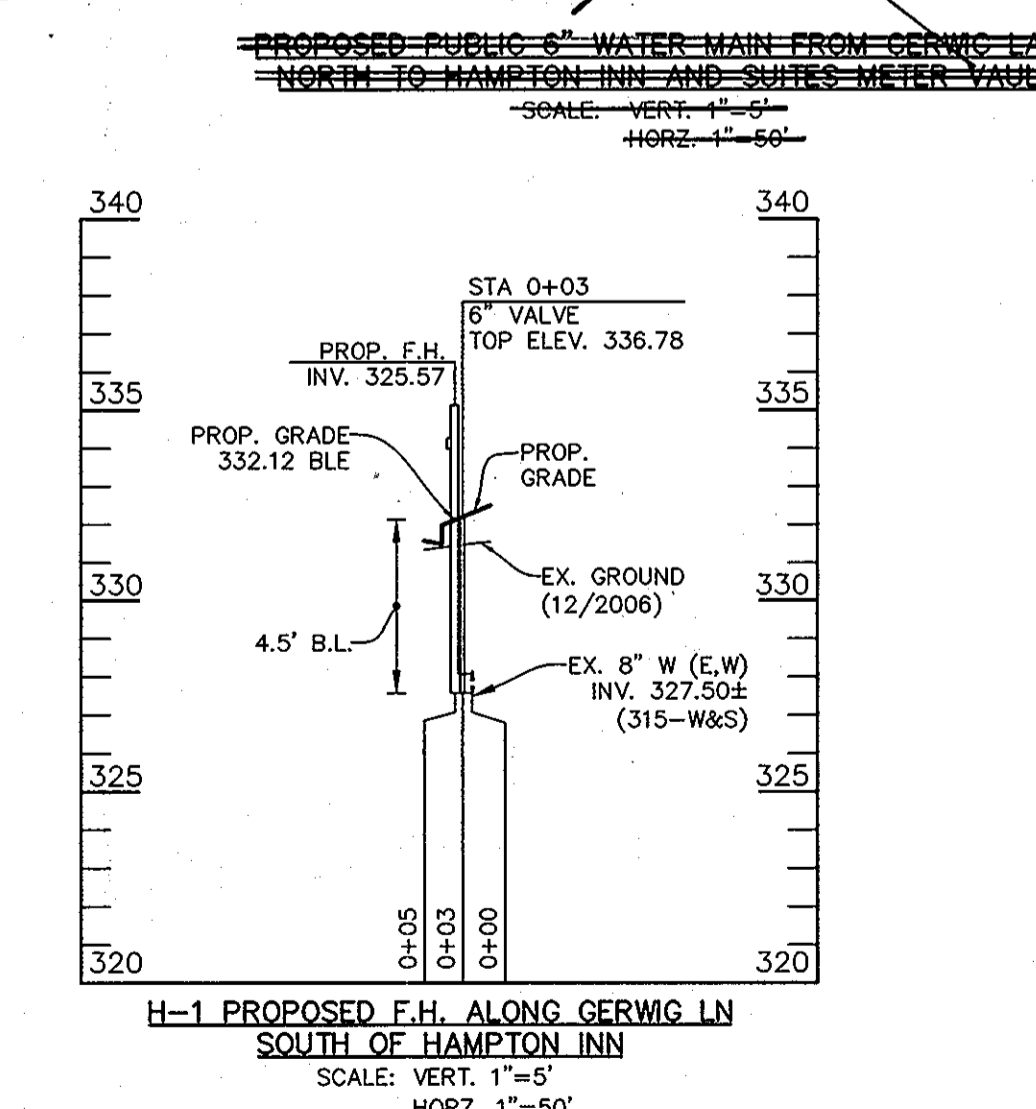
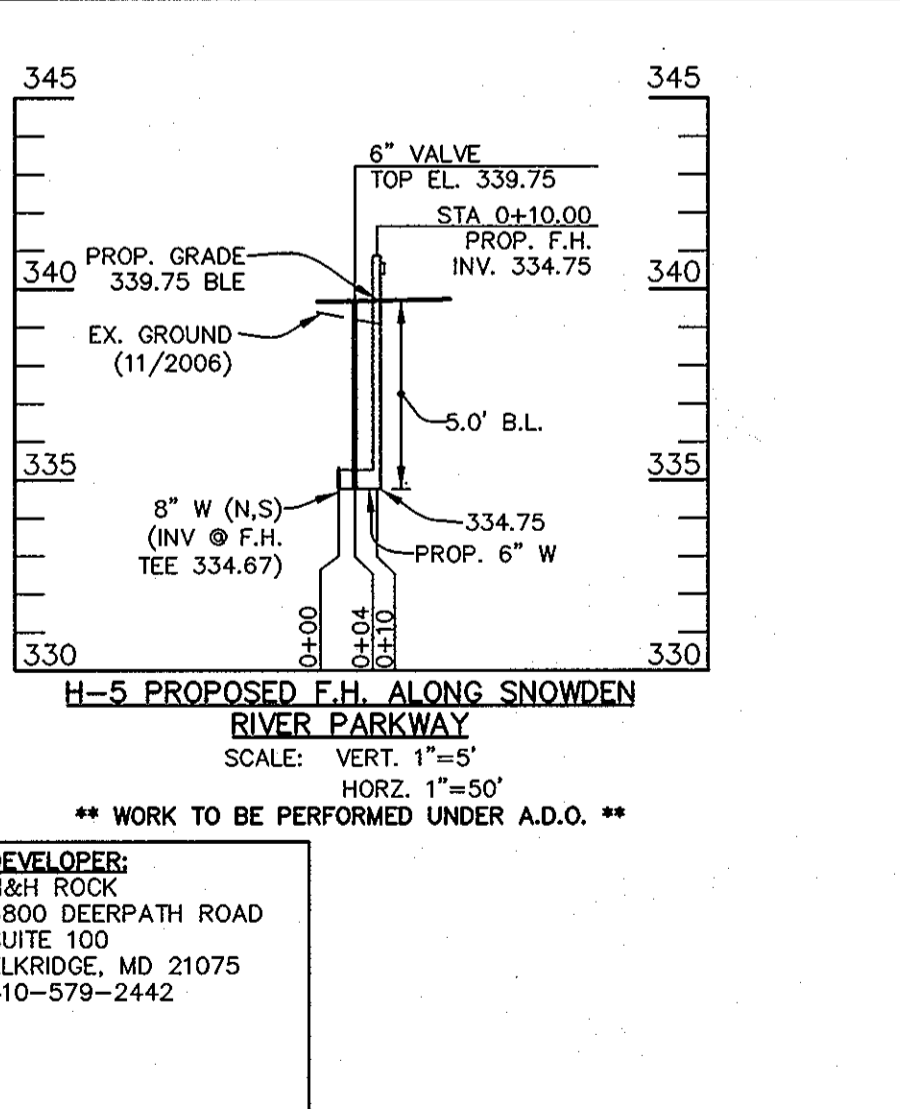
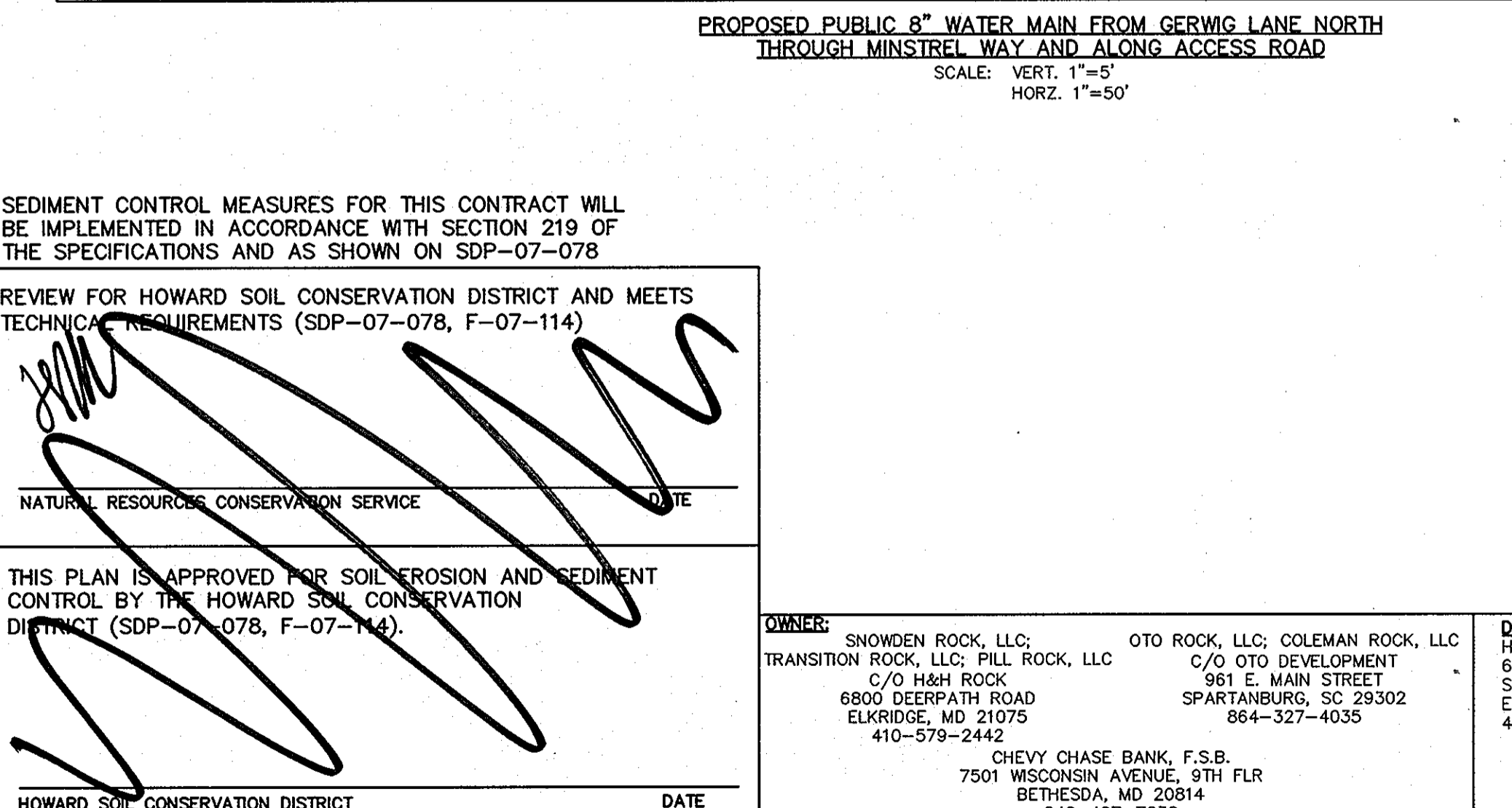
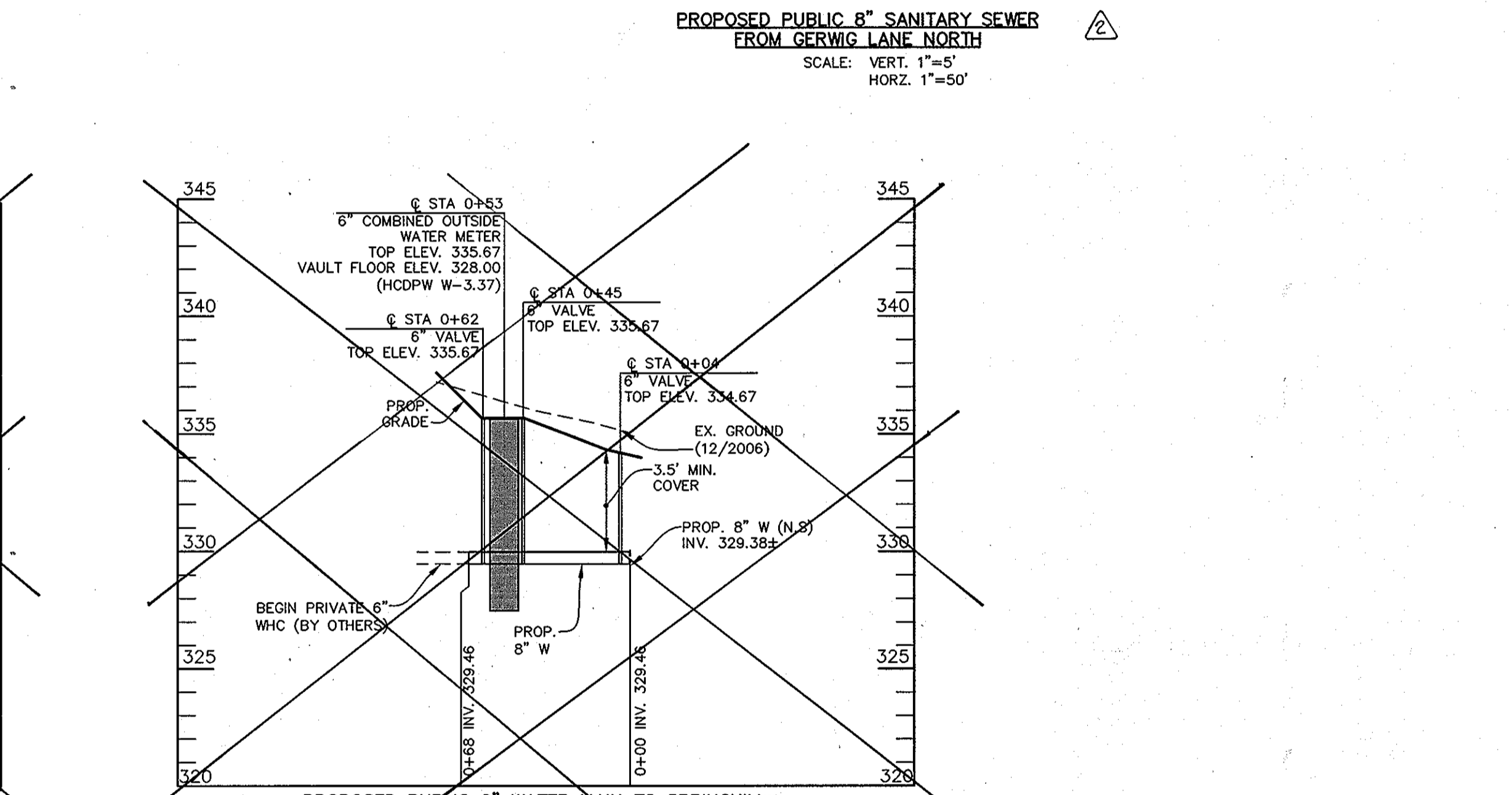
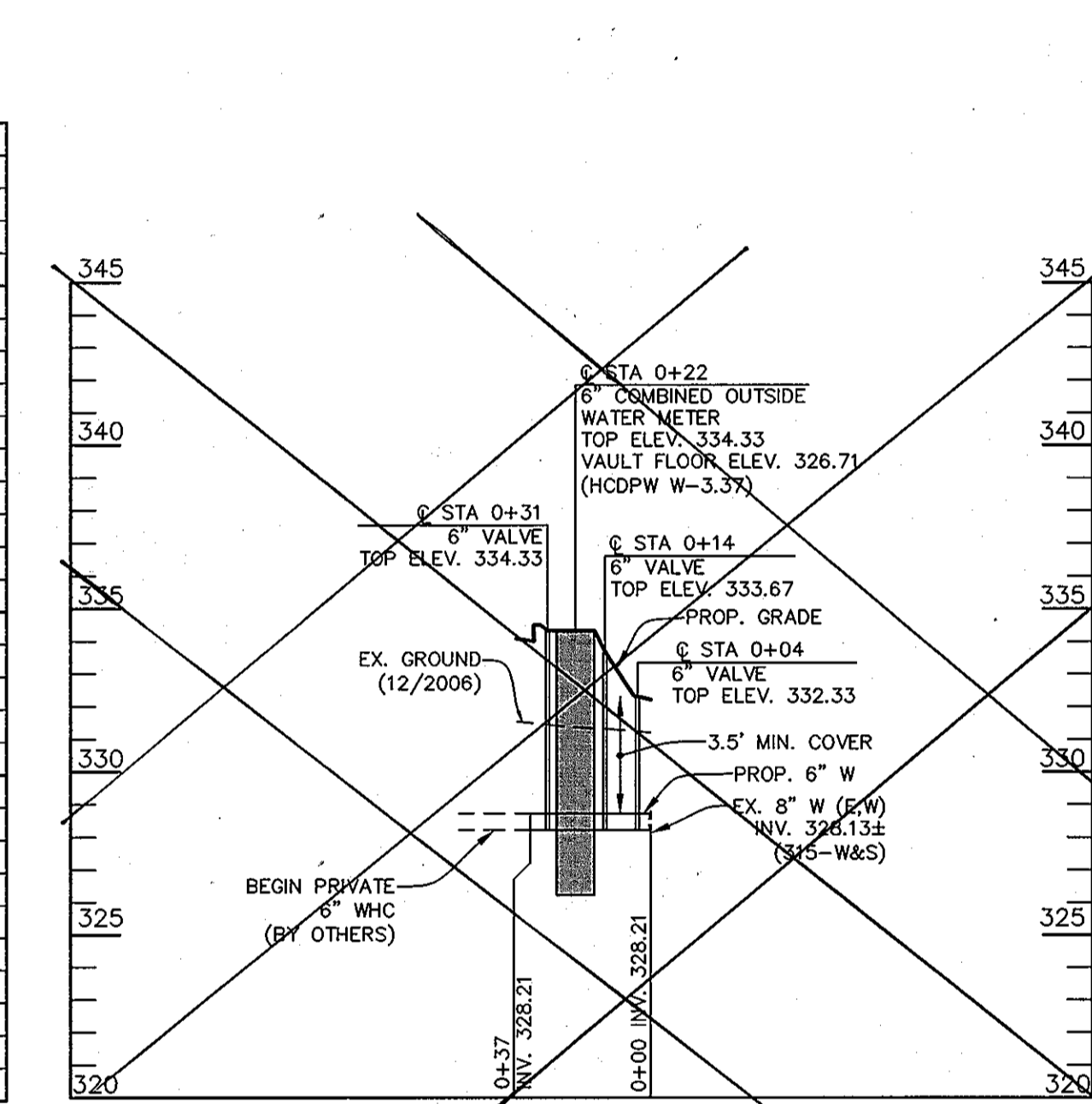
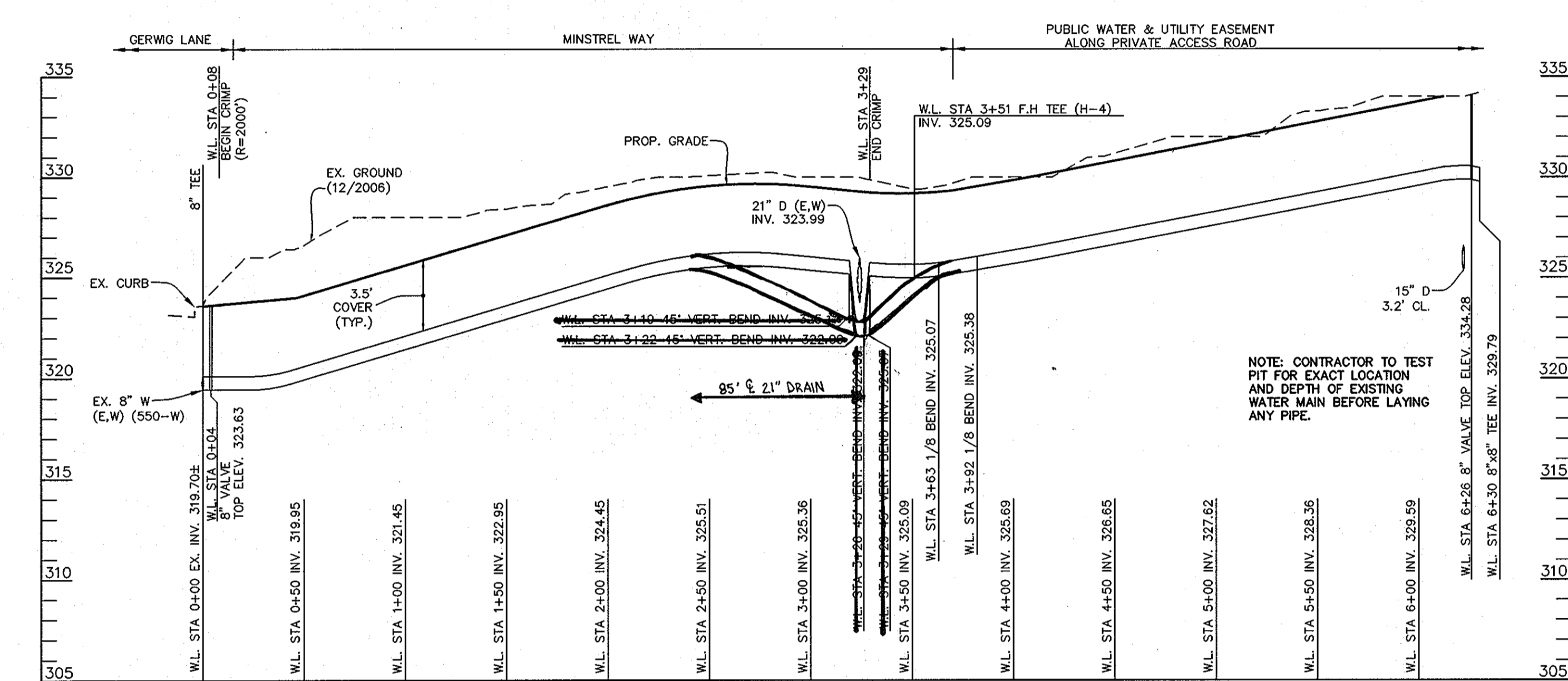
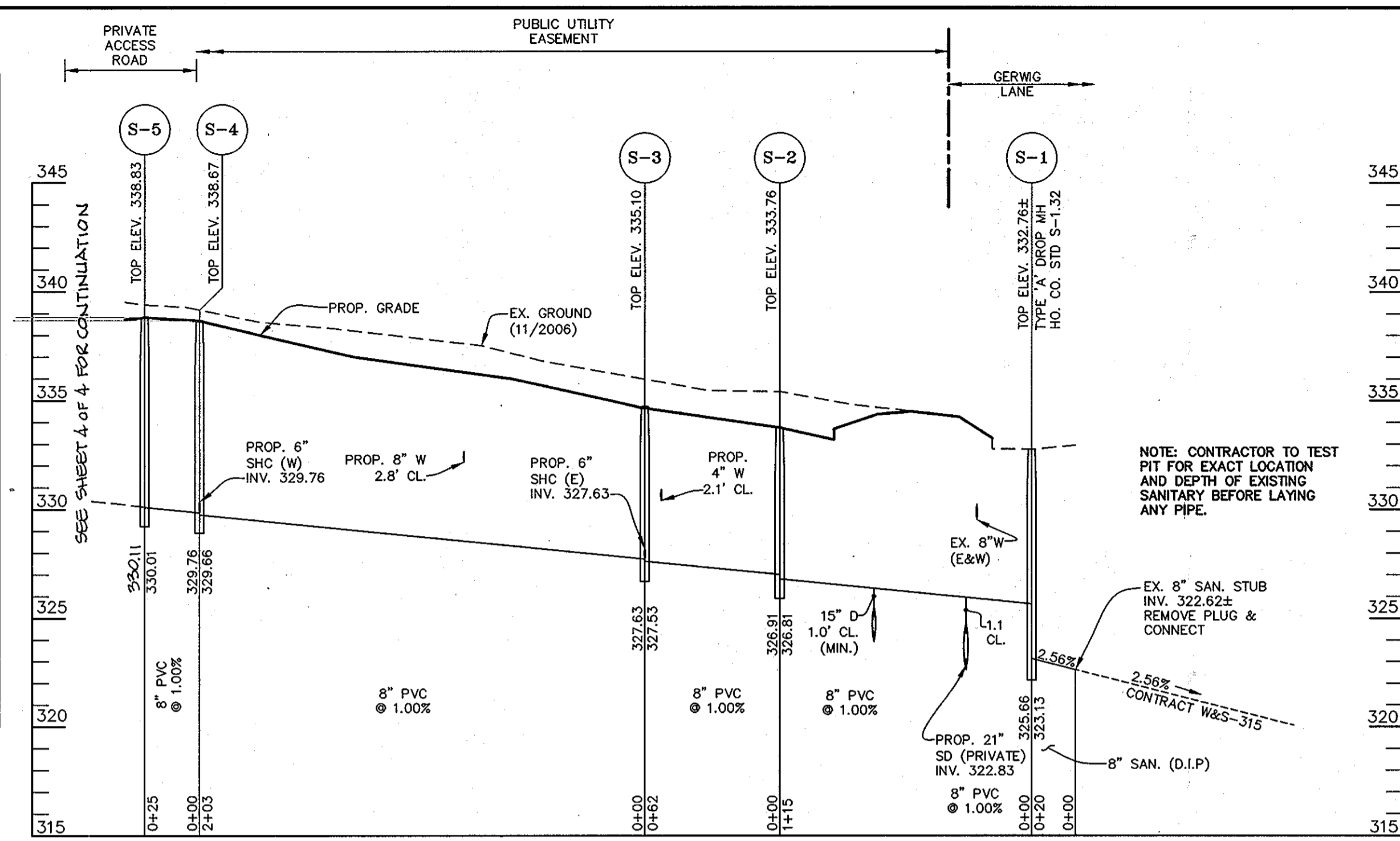
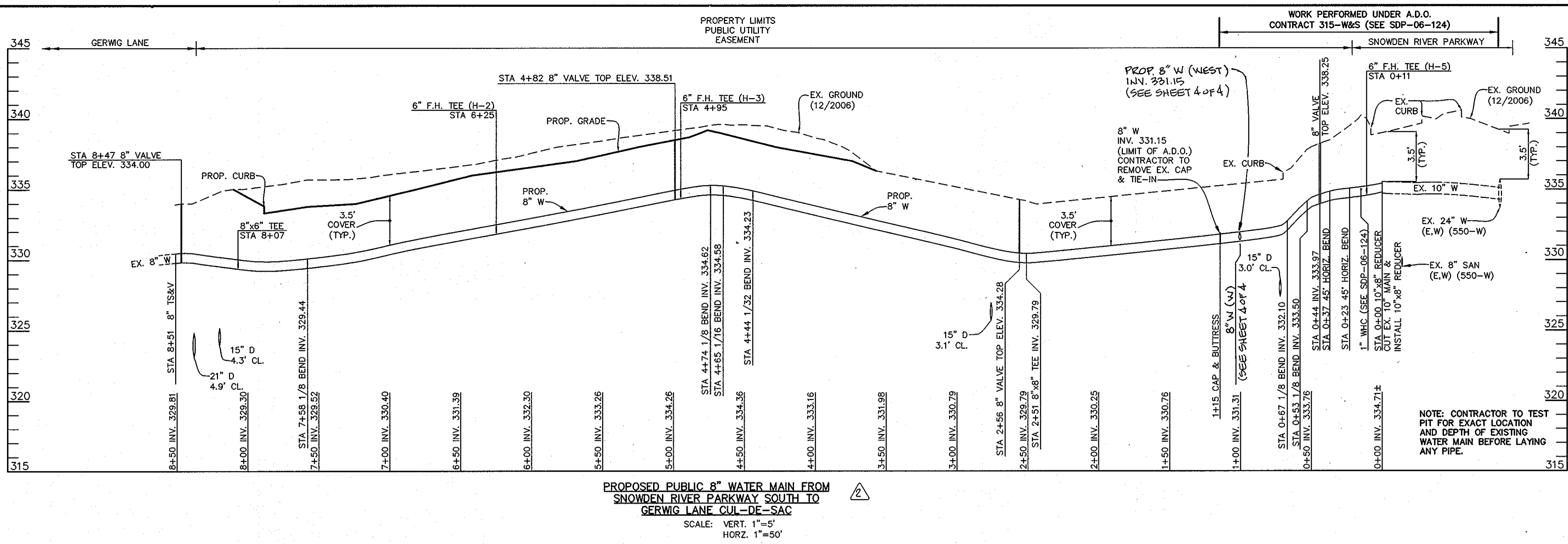
PLAN OF WATER & SEWER

300 SCALE MAP NO. _____ BLOCK NO. _____

WATER & SEWER EXTENSIONS
 MINSTREL CROSSING SUBDIVISION
 LOTS 24, 25, 26, 27 & 28
 CONTRACT NO. 24-4478-D

TAX MAP 42 PARCELS 375,399 ZONE: NT
 ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
 SHEET: 2 OF 4



SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-07-078

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS (SDP-07-078, F-07-114)

NATURAL RESOURCE CONSERVATION SERVICE
 HOWARD SOIL CONSERVATION DISTRICT
 DATE

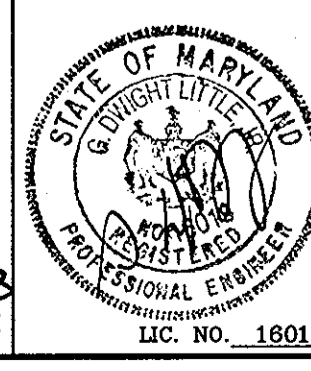
OWNERS: SNOWDEN ROCK, LLC; OTO ROCK, LLC; COLEMAN ROCK, LLC
 TRANSITION ROCK, LLC; FILL ROCK, LLC
 C/O H&H ROCK 6800 DEERPATH ROAD ELKCRIDGE, MD 21075
 410-579-2442

DEVELOPER: H&H ROCK 6800 DEERPATH ROAD SUITE 100 ELKCRIDGE, MD 21075
 410-579-2442

CHEVY CHASE BANK, F.S.B. 7501 WISCONSIN AVENUE, 9TH FLR BETHESDA, MD 20814 240-497-7032

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 7/1/08
 CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 DATE: 5/7/08
 CHIEF, DEVELOPMENT ENGINEERING DIVISION



LITTLE & ASSOCIATES, INC.
 ENGINEERS~LAND PLANNERS~SURVEYORS
 1055 TAYLOR AVENUE, SUITE 307
 TOWSON, MARYLAND 21286
 PHONE: (410)296-1636 FAX: (410)296-1639

DES: AMK	L.A.I. / A	REMOVE OUTSIDE WM VAULTS, FOR INTERNAL METER USE.	8/08
DRN: PFS	L.A.I. / A	ADDED WATER AND SEWER EXTENSIONS, LOT 27	9/12
JMH:		ADDED SHEET 4	
DATE: FEB. 28, 2008	BY: NO.	REVISION	DATE

PLAN OF WATER & SEWER

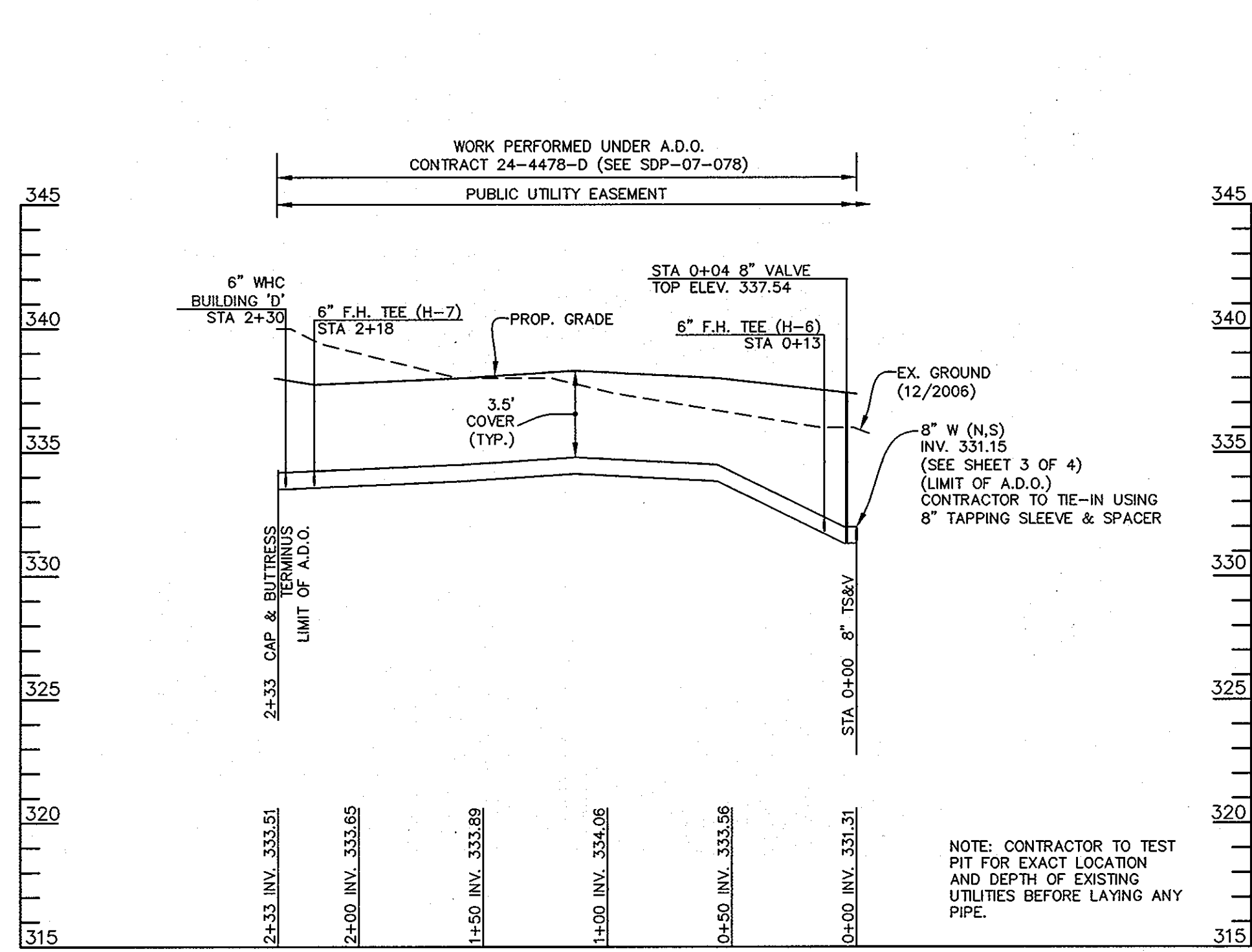
300 SCALE MAP NO. _____ BLOCK NO. _____

AS-BUILT 11-7-2008

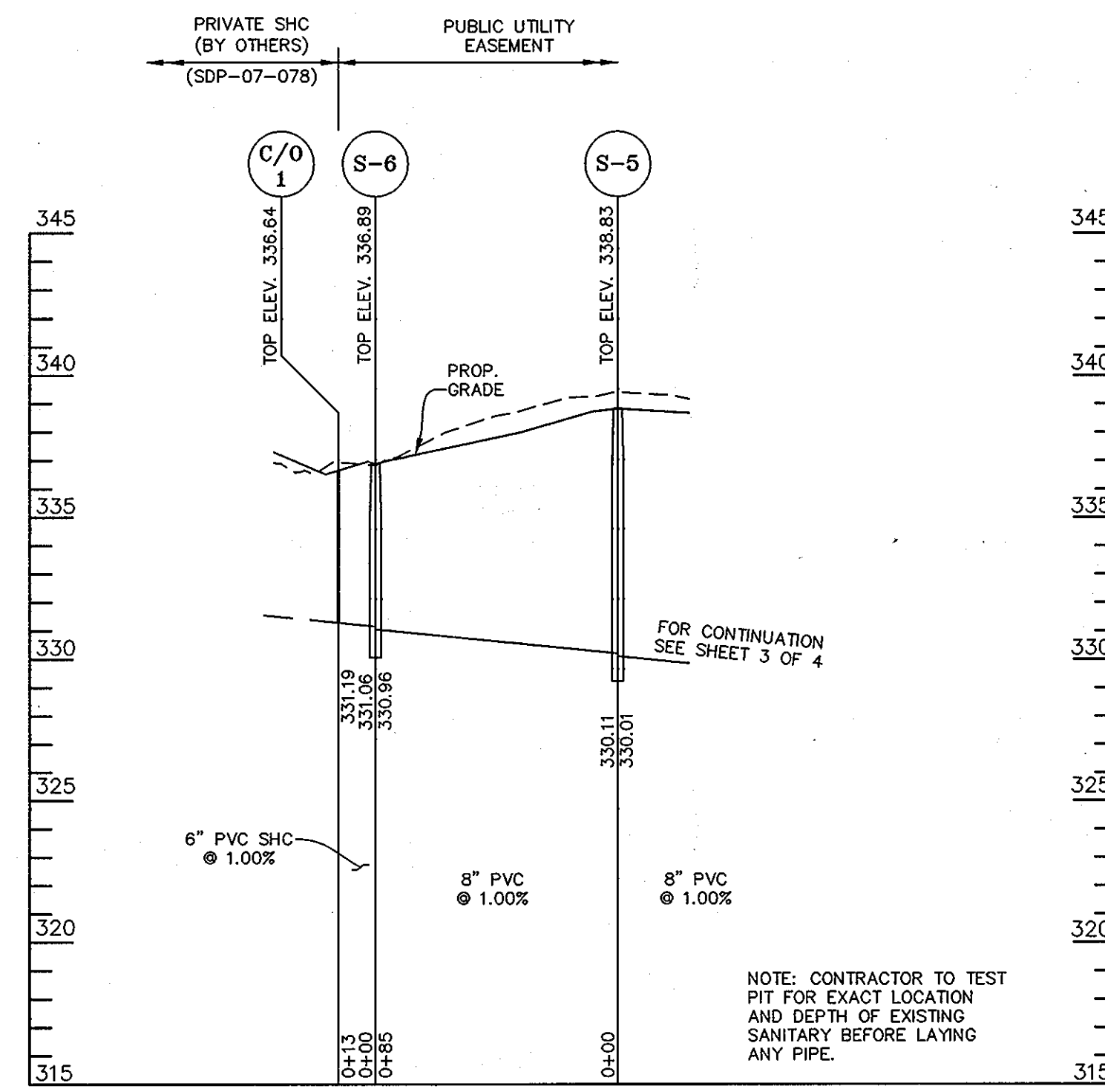
WATER & SEWER EXTENSIONS
 MINSTREL SEWER SUBDIVISION
 LOTS 24, 25, 26, 27 & 28
 CONTRACT NO. 24-4478-D

TAX MAP 42 PARCELS 375,399 ZONE: NT
 ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND

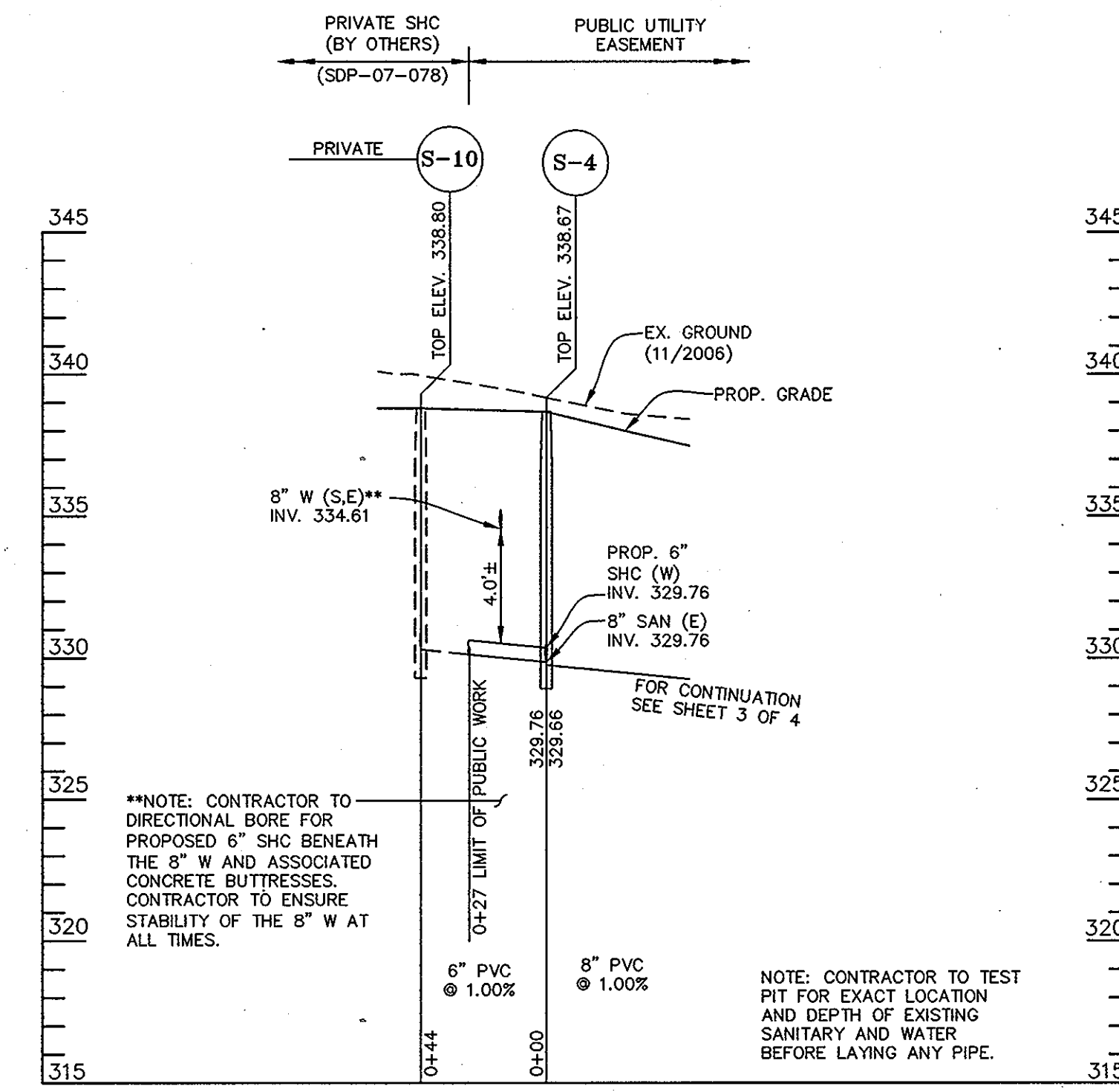
SCALE: AS SHOWN
 SHEET: 3 OF 4



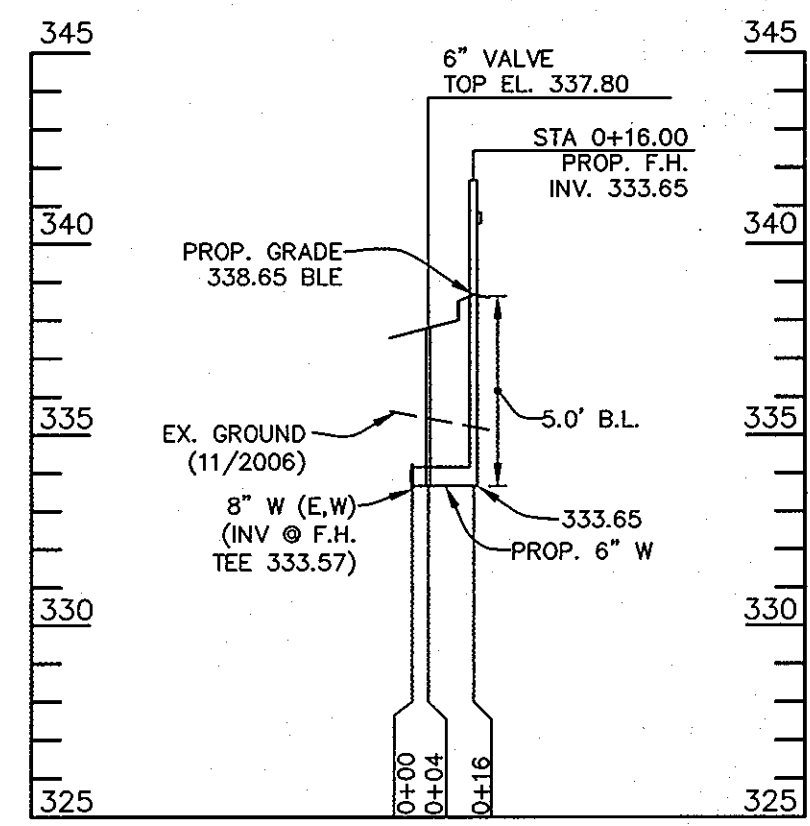
PROPOSED PUBLIC 8" WATER MAIN FROM WATER MAIN STATION 1+00 WESTERLY 2+33 LF
 SCALE: VERT. 1"=5'
 HORZ. 1"=50'
 * WORK TO BE PERFORMED UNDER A.D.O. *



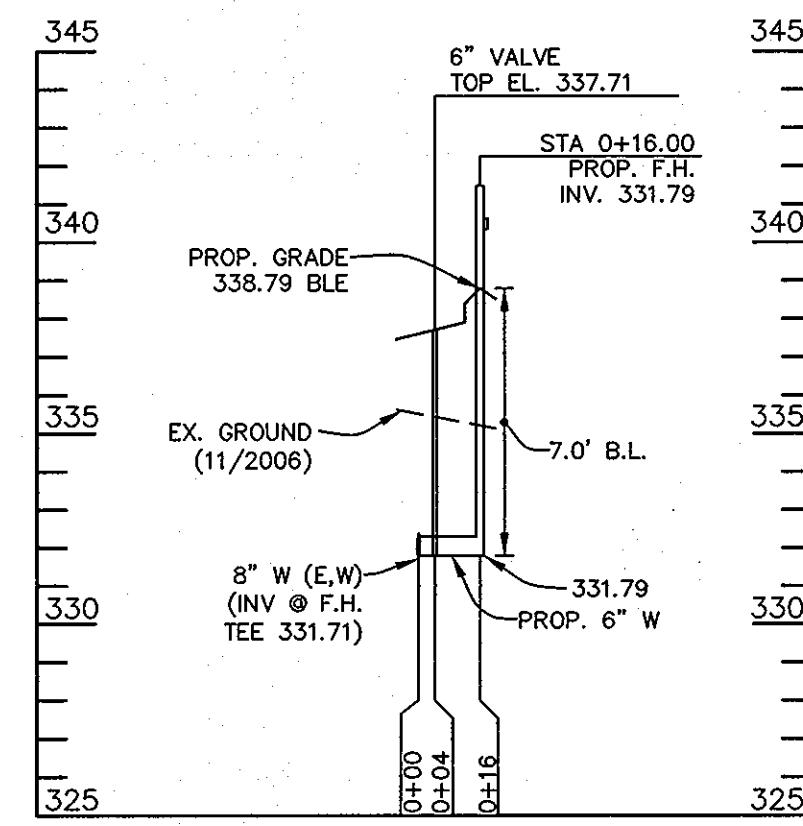
PROPOSED PUBLIC 8" SANITARY SEWER TO SERVICE BUILDING 'C' OF LOT 27
 SCALE: VERT. 1"=5'
 HORZ. 1"=50'
 * WORK TO BE PERFORMED UNDER A.D.O. *



PROPOSED PUBLIC 6" SANITARY SEWER TO SERVICE BUILDING 'D' OF LOT 27
 SCALE: VERT. 1"=5'
 HORZ. 1"=50'
 * WORK TO BE PERFORMED UNDER A.D.O. *



H-7 PROPOSED F.H. LOT 27
 SCALE: VERT. 1"=5'
 HORZ. 1"=50'
 * WORK TO BE PERFORMED UNDER A.D.O. *



H-6 PROPOSED F.H. LOT 27
 SCALE: VERT. 1"=5'
 HORZ. 1"=50'
 * WORK TO BE PERFORMED UNDER A.D.O. *

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-07-078

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS (SDP-07-078, F-07-114)

NATURAL RESOURCES CONSERVATION SERVICE DATE

THIS PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT (SDP-07-078, F-07-114).

OWNER: SNOWDEN ROCK, LLC; TRANSITION ROCK, LLC; PILL ROCK, LLC; C/O H&H ROCK; 6800 DEERPATH ROAD; ELK RIDGE, MD 21075; 410-579-2442

DEVELOPER: H&H ROCK; 6800 DEERPATH ROAD; SUITE 100; ELK RIDGE, MD 21075; 410-579-2442

OTHER: CHEVY CHASE BANK, F.S.B.; 7501 WISCONSIN AVENUE, 9TH FLR; BETHESDA, MD 20814; 240-497-7032

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE: 10/2/12

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 DATE: 10/2/12



LITTLE & ASSOCIATES, INC.
 ENGINEERS~LAND PLANNERS~SURVEYORS
 1055 TAYLOR AVENUE, SUITE 307
 TOWSON, MARYLAND 21286
 PHONE: (410)296-1636 FAX: (410)296-1639

DES: AMK			
DRN: PFS			
JMH:			
DATE:			
SEPT. 18, 2012	BY	NO.	REVISION

PLAN OF WATER & SEWER

WATER & SEWER EXTENSIONS
 MINSTREL CROSSING SUBDIVISION
 LOTS 24, 25, 26, 27 & 28
 CONTRACT NO. 24-4478-D
 TAX MAP 42 PARCELS 375,399 ZONE: NT
 ELECTION DISTRICT 6 HOWARD COUNTY, MARYLAND

SCALE: AS SHOWN
 SHEET: 4 OF 4

Y:\ITLAND SURVEYING\SDP - PHASE II - PUBLIC UTILITY SAN SHEET 4.dwg, 9/19/2011 9:33:33 AM, Designator: SDP-07-078, User: J399, 1.50