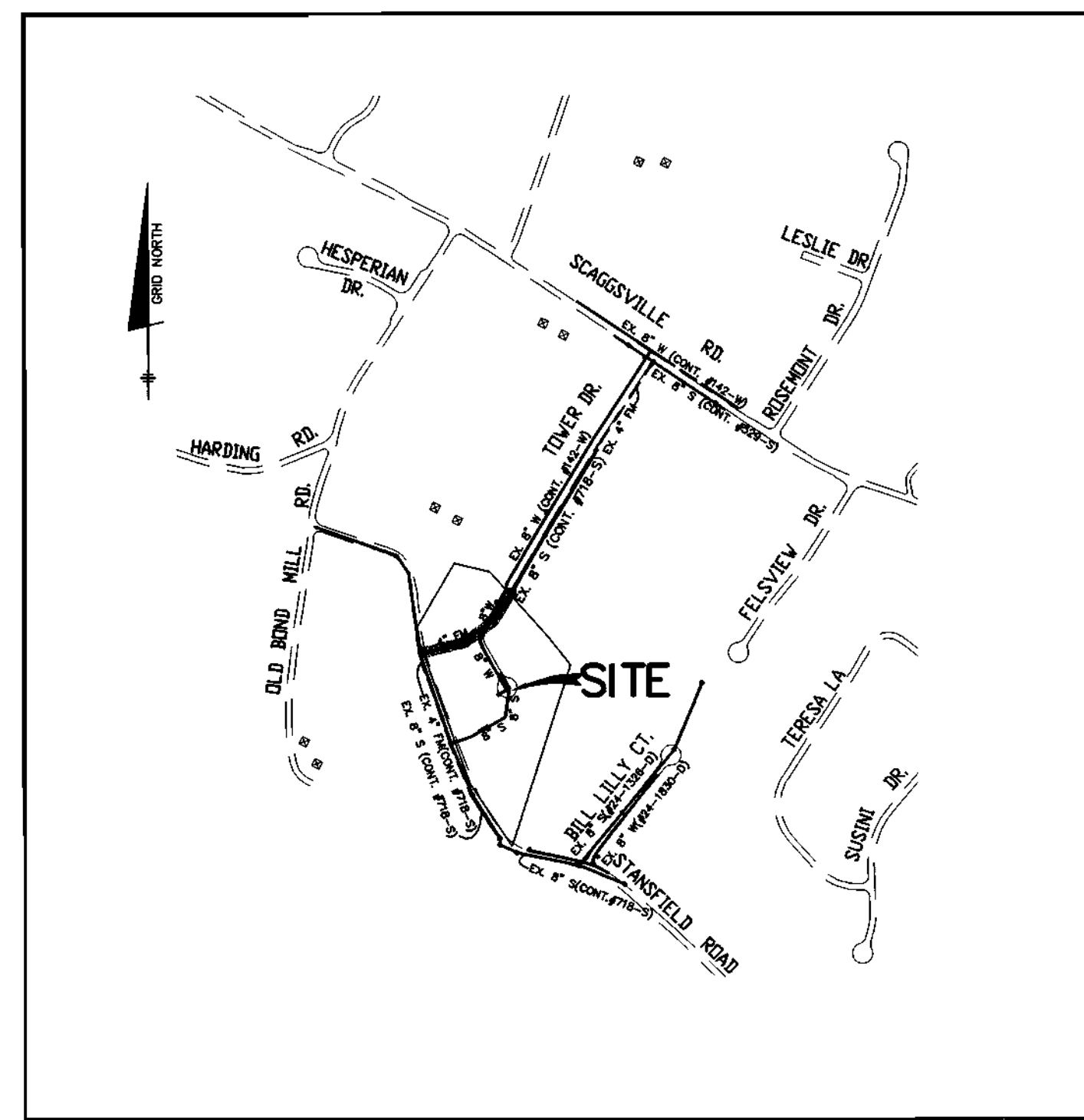
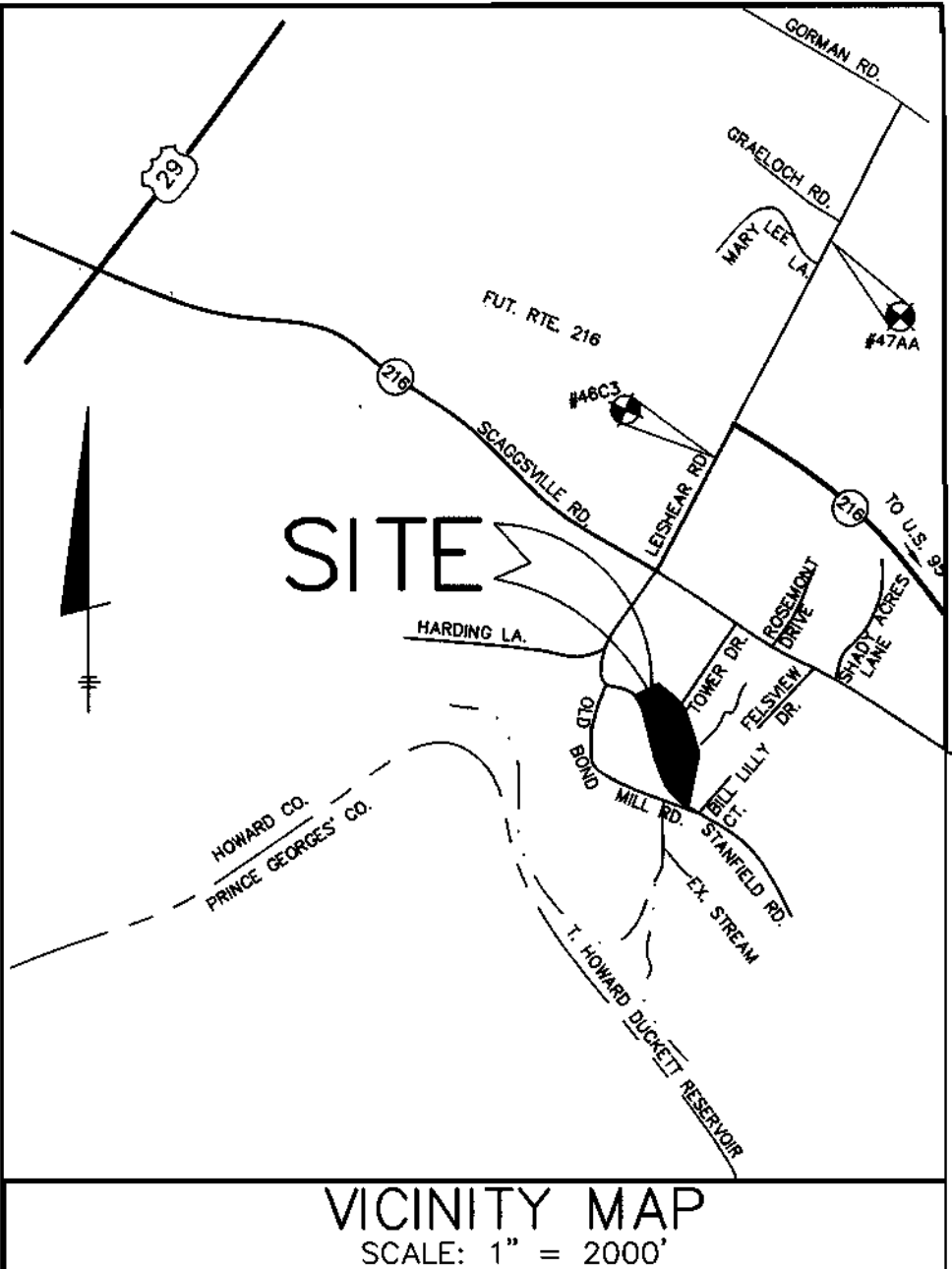


PUBLIC WATER AND SEWER CONSTRUCTION PLANS THE HILLSIDE AT ROCKY GORGE

2nd ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT No. 24-3879-D

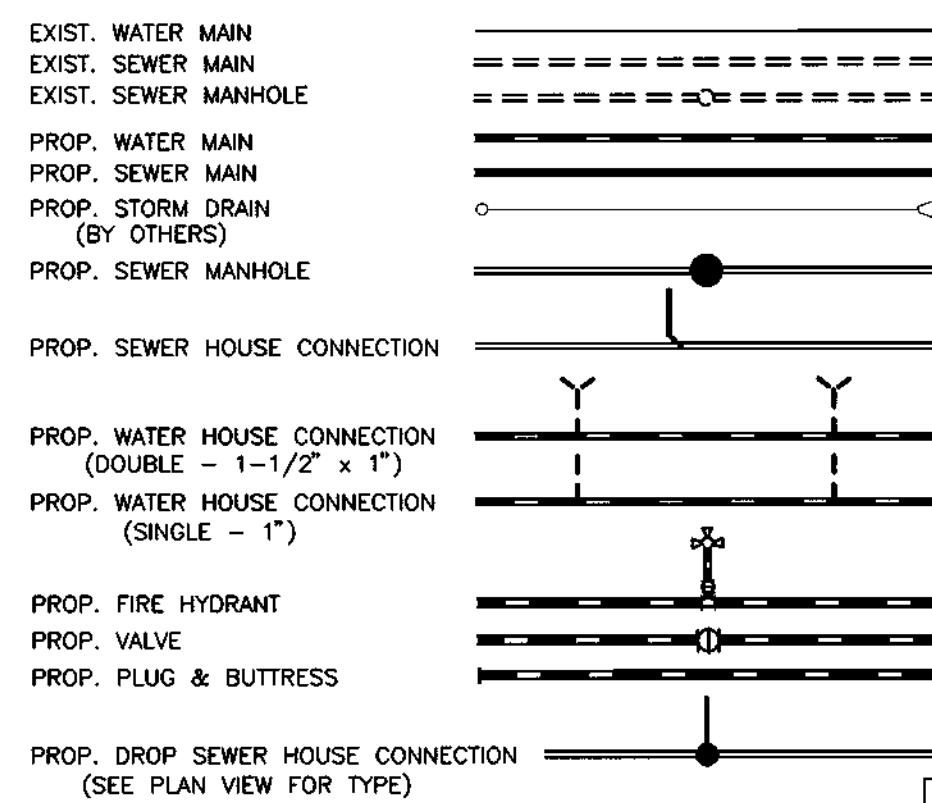
BENCH MARKS (NAD83)			
HQ. CO. No. 46C3 CONC. MONUMENT FLUSH WITH SURFACE 30' OFF LEISHEAR ROAD AND 400' NW FROM RT. 216 N 537405.866 E 1,347,556.236 ELEV. 334.47			
HQ. CO. No. 47AA STANDARD STAMPED DISC SET ON TO CONCRETE COLUMN 22.4' OFF NORTH BOUND LEISHEAR RD. AND 262.5' SW OF GRAELOGH ROAD. N 538961.673 E 1,348,438.953 ELEV. 363.417			



WATER AND SEWER COUNTY CODE	TYPE OF BUILDING: SINGLE FAMILY ATTACHED
WATER CODE: E-19	NUMBER OF UNITS: 14
SEWER CODE: 7450000	NUMBER OF SHC'S: 14
TEST GRADIENT: 700	DRAINAGE AREA: LITTLE PATUXENT
	TREATMENT PLANT: LITTLE PATUXENT WASTEWATER TREATMENT PLANT

VICINITY MAP
SCALE: 1" = 600'

LEGEND



HOWARD SOIL CONSERVATION DISTRICT:
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT
AND MEETS TECHNICAL REQUIREMENTS

Jin Mya / cs 10/15/01
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

Howard Soil Conservation District 10/15/01
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE
IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE
HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER
ROAD CONSTRUCTION PLANS F-01-132

QUANTITIES				
ITEMS	QUANTITIES ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	MANUF./SUPPLIER
8" WATER	811.66 L.F.			
6" WATER	44 L.F.			
8" VALVES	2 EA.			
6" VALVES	2 EA.			
6" x 8" REDUCER	1 EA.			
8" x 8" TEE	1 EA.			
8" x 6" TEE	2 EA.			
FIRE HYDRANTS	2 EA.			
1-1/2" WHC	113 L.F.			
1" WHC	227 L.F.			
8" SEWER	718 L.F.			
MANHOLES	6 EA.			
4" SHC	257 L.F.			
4" DHC	96 L.F.			
4" DIP FM	436 L.F.			

NAME OF UTILITY CONTRACTOR:
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN OF WATER AND SEWER MAINS
3-4	PROFILES OF WATER, SEWER MAINS AND FORCE MAIN

OWNER/DEVELOPER:
CORNERSTONE HOLDINGS, L.L.C.
9691 NORFOLK AVENUE
LAUREL, MARYLAND 20723
(410) 792-2565

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Ruth Berman 10-8-01
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
Donald Man 10/15/01
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE & SUITE 418
ELICOTT CITY, MARYLAND 21043
phone: 410-465-6105 & fax: 410-465-6644
email: Benchmark@coits.com

DES: YSL
DRN: YSL
CHK: DAM
DATE: 9-20-01
BY NO. REVISIONS DATE

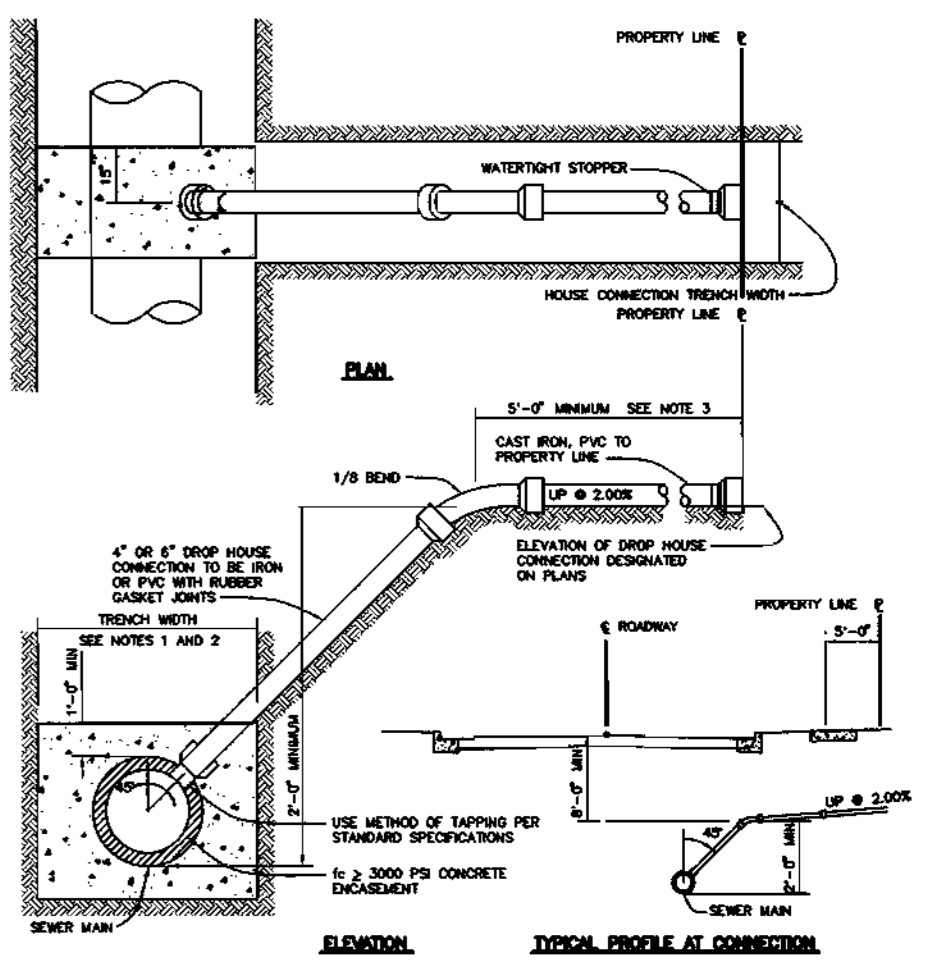
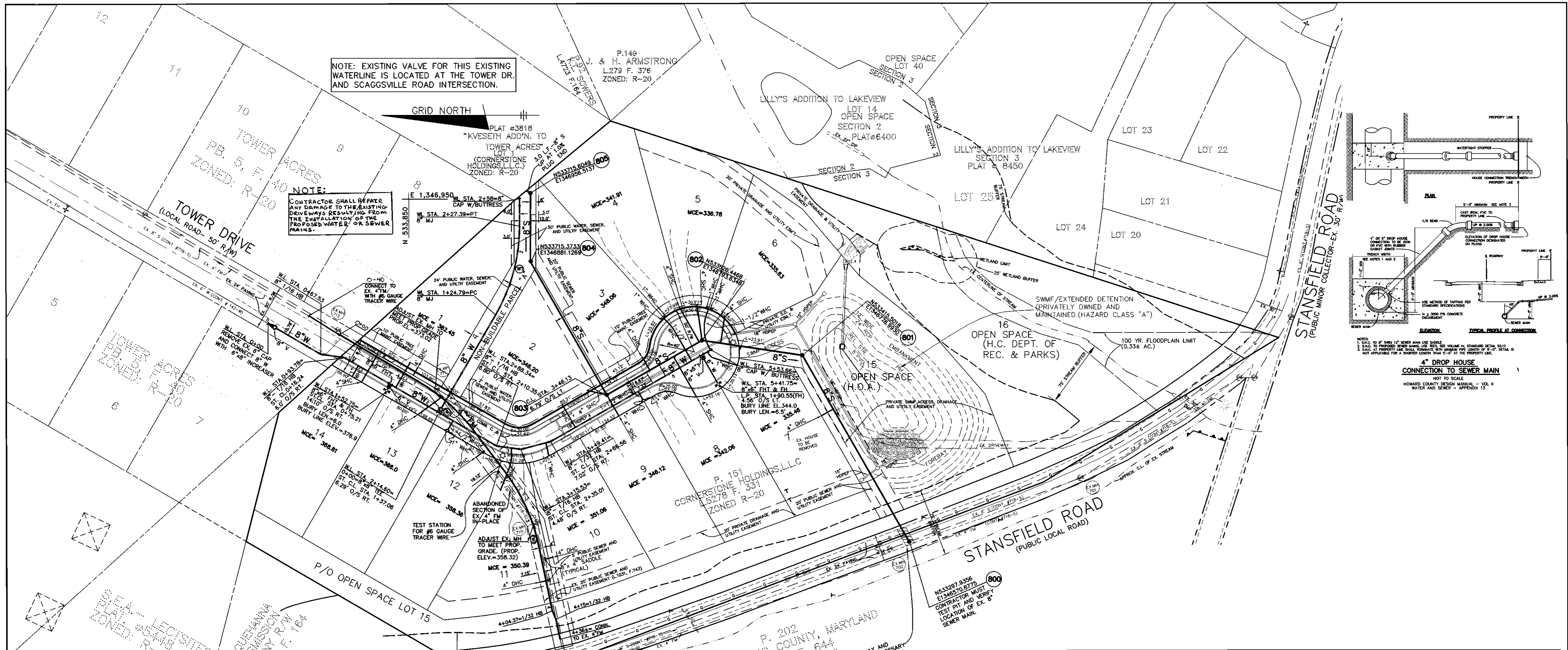
BY NO.	REVISIONS	DATE

**WATER & SEWER EXTENSION
TITLE SHEET**

600 SCALE MAP NO. 46 BLOCK 18

THE HILLSIDE AT ROCKY GORGE
LOTS 1 THRU 14
HOWARD COUNTY ELECTION DISTRICT NO. 6
CONTRACT NO. 24-3879-D

SCALE AS SHOWN
SHEET 1 OF 4



NOTES:
 1. S.A.C. TO 10\"/>

WATER MAIN CRIMP RADII DATA
 (W1) WL STA. 1+24.79 (PC) WL STA. 2+27.39 (PT)
 DELTA: 30°08'47"
 RAD.: 195.00'
 ARC.: 102.60'
 TANGENT: 52.52'
 CHORD: 574'48"24"E 101.42'

4" FORCE MAIN CRIMP RADII DATA
 (FM1) FM STA. 1+03.39 (PC) = ST. C.L. STA. 1+02.73 12.02' O/S LT.
 FM STA. 1+82.31 (PT) = ST. C.L. STA. 1+79.53 3.95' O/S RT.
 RAD.: 205.00' DELTA: 22°03'30"
 ARC.: 78.92' TANGENT=39.96'
 CHORD= 541'54"35"W 78.44'
 (FM2) FM STA. 240.31 (PC) = N533744.4532 E1346648.6927
 FM STA. 3+31.17 (PT) = N533707.2767 E1346566.6001
 RAD.: 205.00' DELTA: 25°23'41"
 ARC.: 90.86' TANGENT=46.19'
 CHORD= 565'38"10"W 90.12'

SHC/DHC LOCATION & ELEVATION DATA					
LOT NO.	SHC STATION @ SEWER	SHC /DHC INVERT @ SEWER MAIN	DHC INVERT @ R/W OR ESM 'T	SHC INVERT @ R/W OR ESM 'T	REMARKS
10	1+25	330.72	347.14		FROM EX. MH #703 TO EX. MH #710
11	1+00	329.03	346.45		
12	0+98	344.68	354.44		FROM EX. MH #710 TO EX. MH #711
13	1+74	353.86	362.06		
1	0+30	358.28		358.67	FROM EX. MH #711 TO EX. MH #712
14	0+75	363.68		364.57	
7	1+69	322.93	331.56		FROM MH #800 TO #801
6	0+90	330.71		331.49	FROM MH #801 TO #802
5	@ MH #802	331.10		331.82	
4	0+04	335.47		336.31	FROM MH #802 TO #803
8	0+34	337.00		338.02	
3	0+66	338.63	343.78		
9	@ MH #803	341.46		342.00	
2	@ MH #803	341.46		341.90	

DEVELOPER/OWNER:
 CORNERSTONES HOLDINGS, L.L.C.
 9691 NORFOLK AVENUE
 LAUREL, MARYLAND 20723
 (410) 792-2565

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Robert M. Beninger
 CHIEF, BUREAU OF UTILITIES
 10-8-01

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 [Signature]
 CHIEF, DEVELOPMENT ENGINEERING DIVISION
 10/18/01

BENCHMARK ENGINEERING, INC.
 ENGINEERS • LAND SURVEYORS • PLANNERS
 8480 BALTIMORE NATIONAL PIKE & SUITE 418
 ELICOTT CITY, MARYLAND 21043
 phone: 410-465-6105 • Fax: 410-465-6644
 email: Benchmark@coia.com

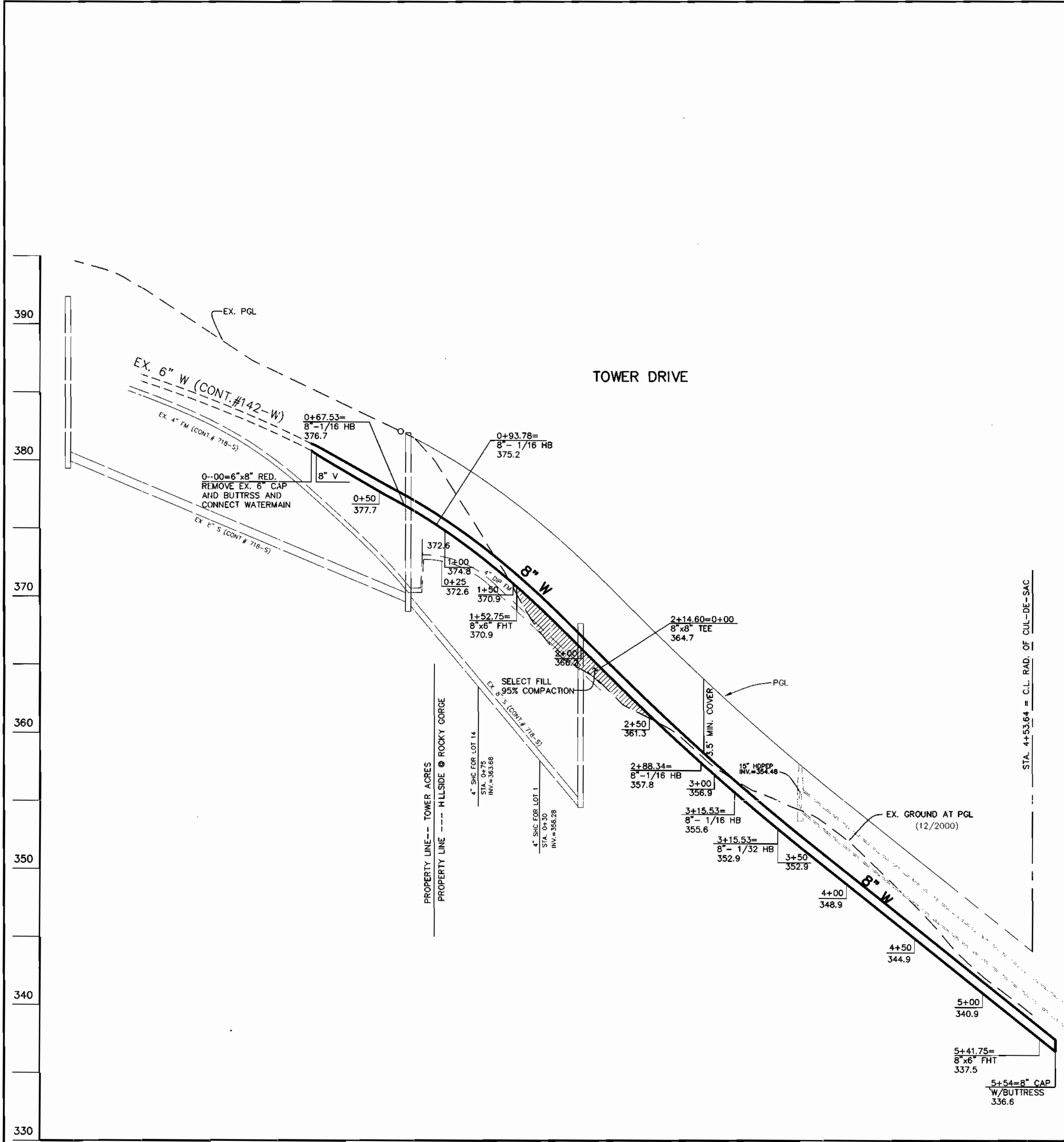
[Signature]
 Donald Maan
 10/18/01

DES: YSL					
DRN: YSL					
CHK: DAM					
DATE: 9-20-01	BY	NO.	REVISIONS	DATE	

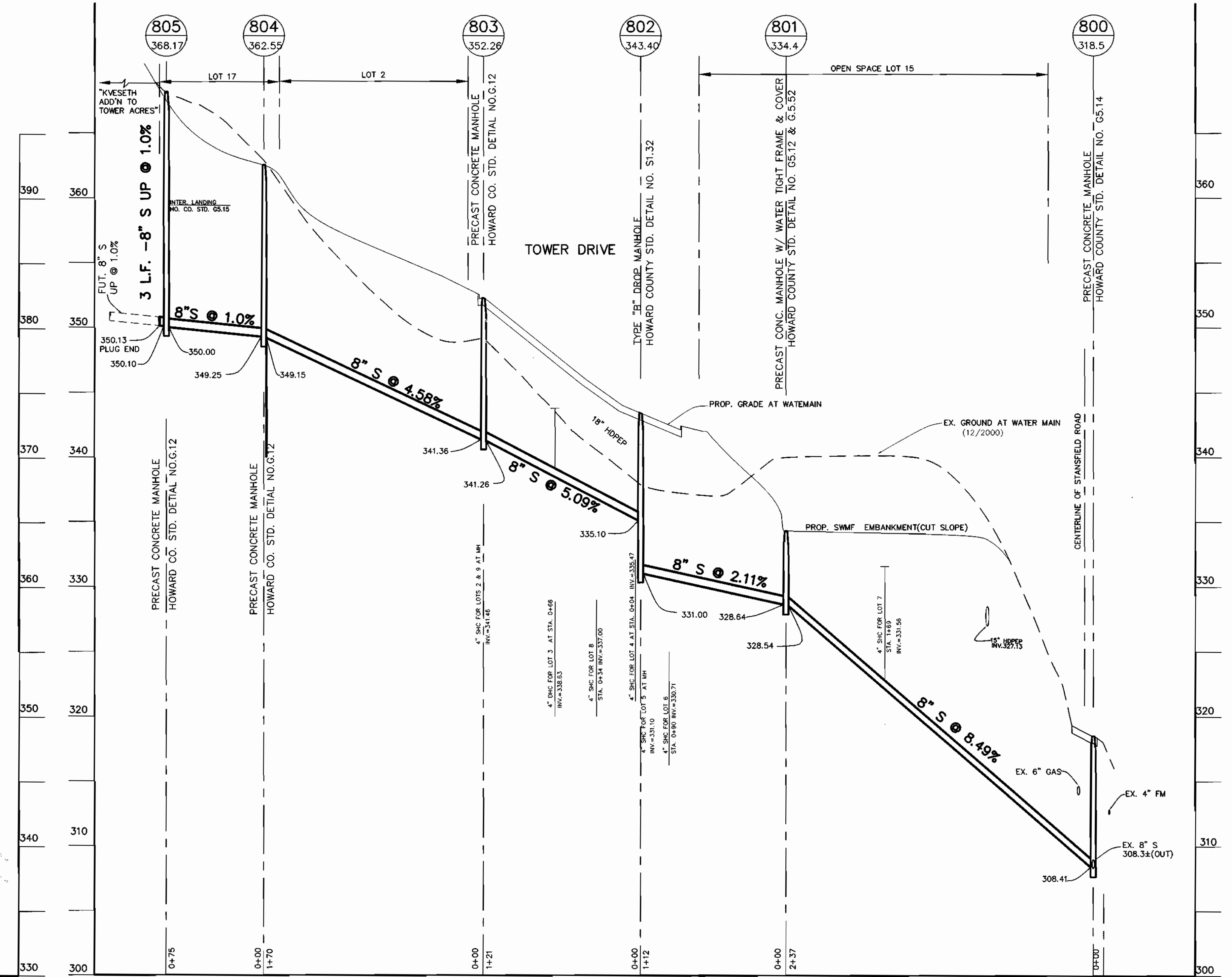
WATER & SEWER EXTENSION PLAN
 600 SCALE MAP NO. 46
 BLOCK 18

THE HILLSIDE AT ROCKY GORGE
 LOTS 1 THRU 14
 HOWARD COUNTY ELECTION DISTRICT NO. 6
 CONTRACT NO. 24-3879-D

SCALE AS SHOWN
 SHEET 2 OF 4



WATER AND EX. SEWER PROFILE AT TOWER DR.
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'



WATER AND SEWER PROFILE AT TOWER DR.
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Chief, Bureau of Utilities
 10-8-01

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 Chief, Development Engineering Division
 10/10/01

BENCHMARK
 ENGINEERS • LAND SURVEYORS • PLANNERS
ENGINEERING, INC.
 8480 BALTIMORE NATIONAL PIKE • SUITE 418
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 phone: 410-485-6105 • fax: 410-485-6844
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Donald Maan
Keeler

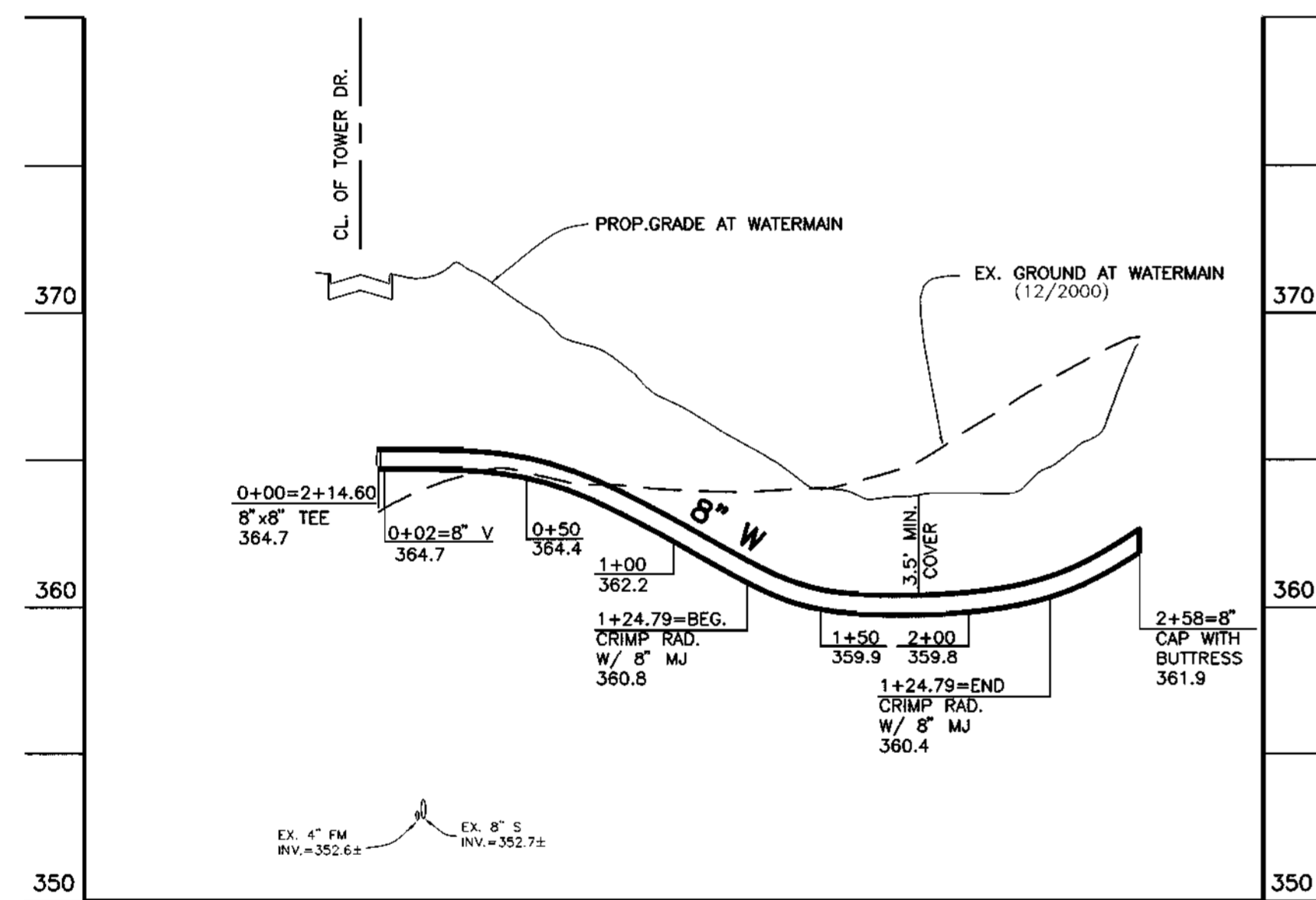
DES:	YSL
DRN:	YSL
CHK:	DAM
DATE:	9-20-01
BY:	NO.
REVISIONS:	
DATE:	

WATER & SEWER EXTENSION PROFILES
 600 SCALE MAP NO. 46
 BLOCK 18

THE HILLSIDE AT ROCKY GORGE
 LOTS 1 THRU 14
 HOWARD COUNTY ELECTION DISTRICT NO. 6
CONTRACT NO. 24-3879-D

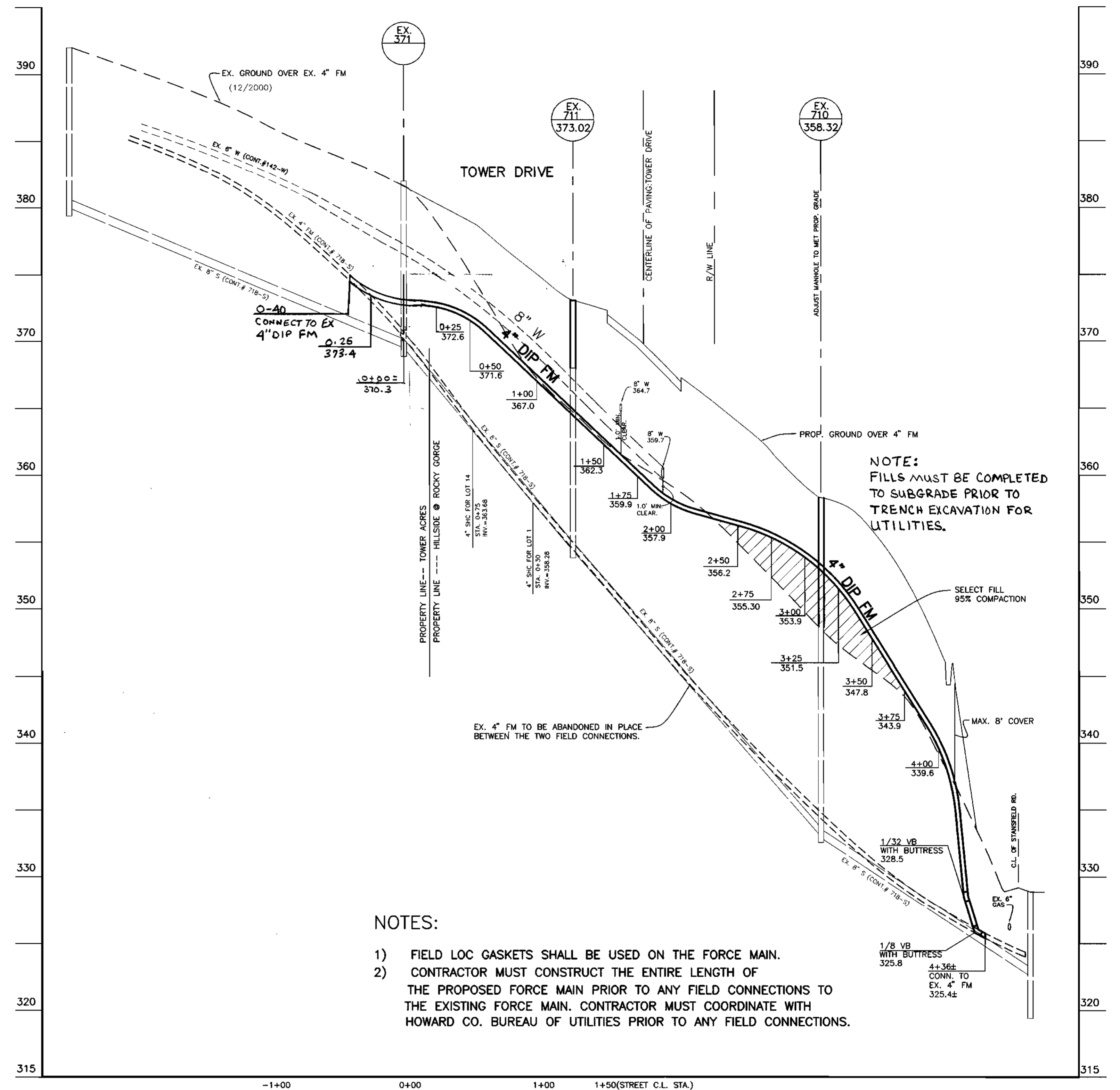
DEVELOPER/OWNER:
 CORNERSTONE HOLDINGS, L.L.C.
 9691 NORFOLK AVENUE
 LAUREL, MARYLAND 20723
 (410) 792-2565

SCALE AS SHOWN
 SHEET 3 OF 4



WATER MAIN PROFILE AT PARCEL "A" (A NON-BUILDABLE PARCEL)

HOR. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'



- NOTES:
- 1) FIELD LOC GASKETS SHALL BE USED ON THE FORCE MAIN.
 - 2) CONTRACTOR MUST CONSTRUCT THE ENTIRE LENGTH OF THE PROPOSED FORCE MAIN PRIOR TO ANY FIELD CONNECTIONS TO THE EXISTING FORCE MAIN. CONTRACTOR MUST COORDINATE WITH HOWARD CO. BUREAU OF UTILITIES PRIOR TO ANY FIELD CONNECTIONS.

4" DIP FM AT TOWER DRIVE

HOR. SCALE: 1" = 50'
VERT. SCALE: 1" = 5'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Robert B. Smith 10-8-01
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND
Donald Maas
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
8480 BALTIMORE NATIONAL PIKE A SUITE 418
ELLCOTT CITY, MARYLAND 21043
phone: 410-465-6105 A fax: 410-465-6644
email: Benchmark@ccis.com

Donald Maas
9/20/01

DES: YSL			
DRN: YSL			
CHK: DAM			
DATE: 9-20-01	BY	NO.	REVISIONS

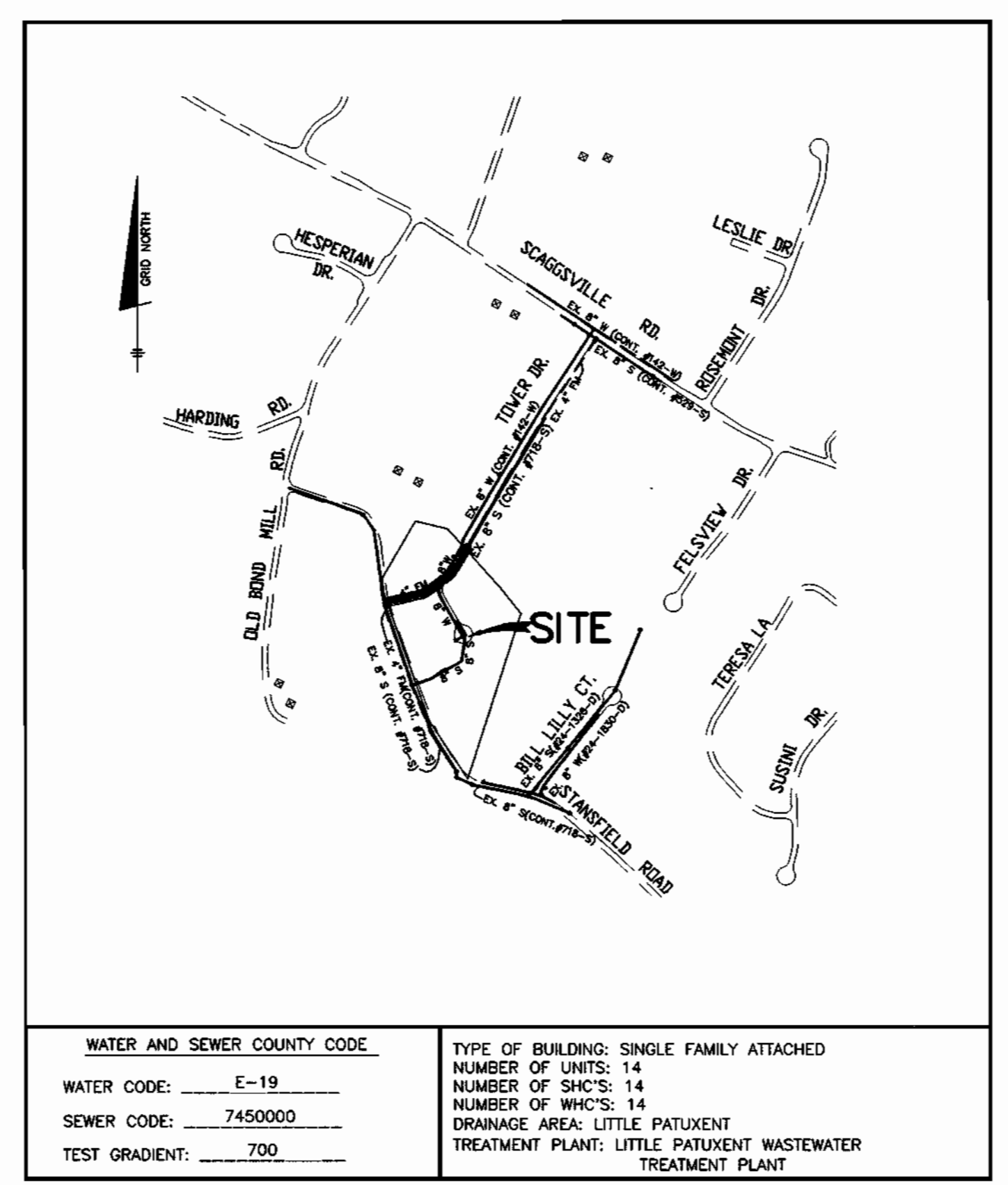
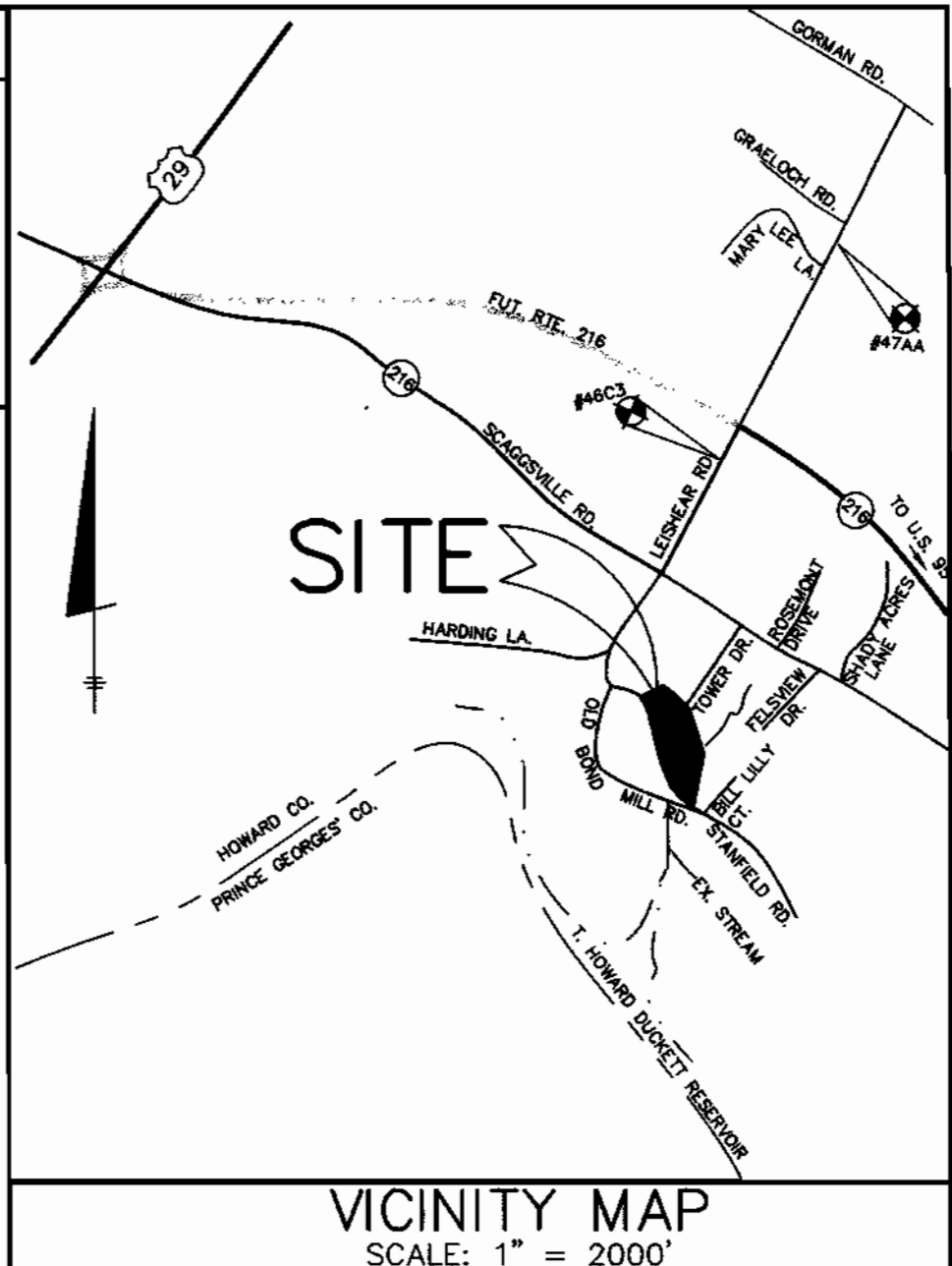
WATER & SEWER EXTENSION PROFILES
600 SCALE MAP NO. 46 BLOCK 18

THE HILLSIDE AT ROCKY GORGE
LOTS 1 THRU 14
HOWARD COUNTY ELECTION DISTRICT NO. 6
CONTRACT NO. 24-3879-D

DEVELOPER/OWNER:
CORNERSTONE HOLDINGS, L.L.C.
9691 NORFOLK AVENUE
LAUREL, MARYLAND 20723
(410) 792-2565
SCALE AS SHOWN
SHEET 4 OF 4

PUBLIC WATER AND SEWER CONSTRUCTION PLANS THE HILLSIDE AT ROCKY GORGE 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND CONTRACT No. 24-3879-D

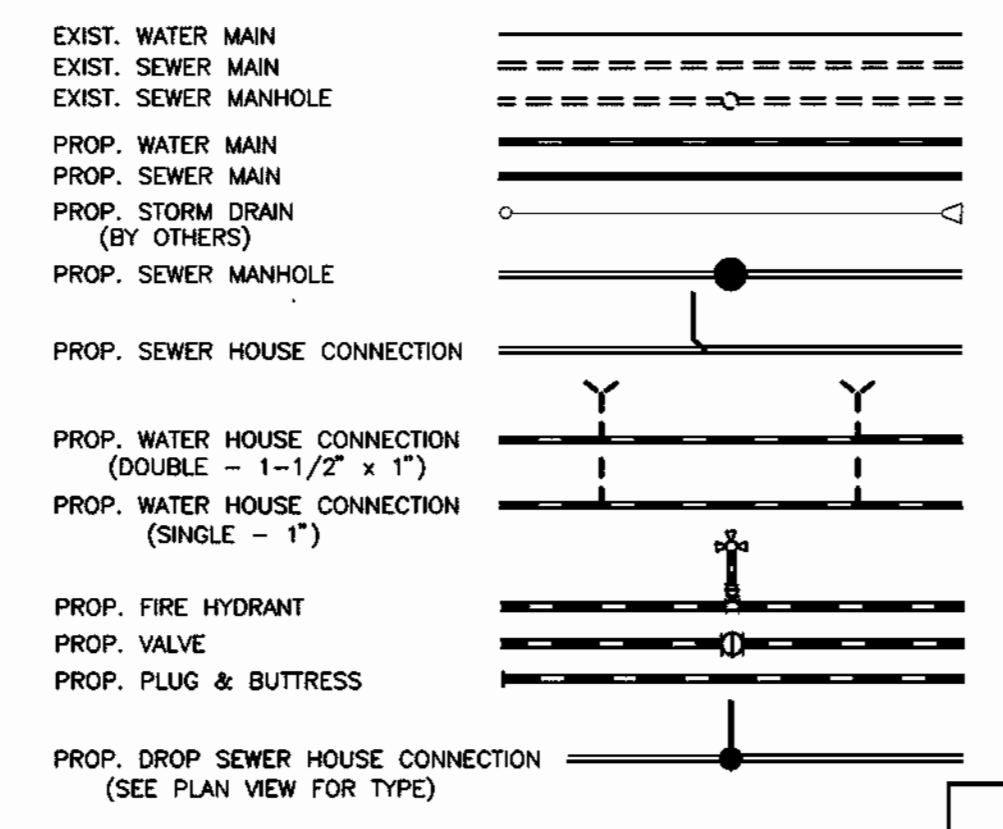
BENCH MARKS (NAD83)		
HO. CO. No. 46C3 CONC. MONUMENT FLUSH WITH SURFACE 30' OFF LEISHER ROAD AND 400' NW FROM RT. 216 N 537405.866 E 1,347,556.236 ELEV. 334.47		
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WATER AND SEWER COUNTY CODE	TYPE OF BUILDING: SINGLE FAMILY ATTACHED
WATER CODE: E-19	NUMBER OF UNITS: 14
SEWER CODE: 7450000	NUMBER OF SHC'S: 14
TEST GRADIENT: 700	DRAINAGE AREA: LITTLE PATUXENT
	TREATMENT PLANT: LITTLE PATUXENT WASTEWATER TREATMENT PLANT

VICINITY MAP
SCALE: 1" = 600'

LEGEND



QUANTITIES		
ITEMS	QUANTITIES ESTIMATED	AS-BUILT
		QUANTITIES TYPE MANUF./SUPPLIER
8" WATER	811.66 L.F.	
6" WATER	44 L.F.	
8" VALVES	2 EA.	
6" VALVES	2 EA.	
6"x8" REDUCER	1 EA.	
8"x8" TEE	1 EA.	
8"x8" TEE	2 EA.	
FIRE HYDRANTS	2 EA.	
1-1/2" WHC	113 L.F.	
1" WHC	227 L.F.	
8" SEWER	620 L.F.	
MANHOLES	6 EA.	
4" SHC	257 L.F.	
4" DHC	96 L.F.	
4" DIP FM	436 L.F.	
8" D.I.P. SEWER	70 L.F.	

NAME OF UTILITY CONTRACTOR:
SURVEY AND DRAFTING DIVISION AS-BUILT DATE:

GENERAL NOTES
PART 1 - GENERAL

- 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. 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 COST 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 IV, STANDARD SPECIFICATIONS AND DETAIL 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 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 WORK SHOWN ON THESE PLANS:
STATE HIGHWAY ADMINISTRATION.....410-531-5533
BALTIMORE GAS & ELECTRIC CO.....410-850-4620
CONTRACTOR SERVICES.....410-850-4620
BALTIMORE GAS & ELECTRIC CO.....410-291-4607
UNDERGROUND DAMAGE CONTROL.....1-800-257-7777
MISS UTILITY.....410-549-4120
COLONIAL PIPELINE CO.....410-549-4120
HOWARD CO. DEPT. OF PUBLIC WORKS.....410-313-4900
BUREAU OF UTILITIES.....1-800-446-5266
VERIZON.....
- 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.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY MAINTENANCE OPERATIONS.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT (410) 313-2450 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(g) OF THE HOWARD COUNTY CODE.

PART 2 - WATER

- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2" COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- ALL FITTINGS SHALL BE BUTTRISSED 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 BUTTRISSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED 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. ALL WATER HOUSE CONNECTIONS SHALL BE 1" OR 1-1/2" x 1" FOR CONNECTIONS.

PART 3 - SEWER

- ALL SEWER MAINS SHALL BE DIP 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.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 05.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 8" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.
- ALL MANHOLES SHOWN IN THE PLANS ARE PRECAST MANHOLE UNLESS OTHERWISE NOTED. ALL PRECAST MANHOLES MUST MET THE HOWARD COUNTY SPECIFICATIONS AND STANDARD.

SHEET INDEX	
NO.	DESCRIPTION
1	TITLE SHEET
2	PLAN OF WATER AND SEWER MAINS
3-4	PROFILES OF WATER, SEWER MAINS AND FORCE MAIN

OWNER/DEVELOPER:
CORNERSTONE HOLDINGS, L.L.C.
9691 NORFOLK AVENUE
LAUREL, MARYLAND 20723
(410) 792-2565

HOWARD SOIL CONSERVATION DISTRICT:
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT
AND MEETS TECHNICAL REQUIREMENTS

Jin An 10/15/01
NATURAL RESOURCES CONSERVATION SERVICE DATE

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

Shelley A. [Signature] 10/15/01
HOWARD SOIL CONSERVATION DISTRICT DATE

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE
IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE
HOWARD COUNTY STANDARD SPECIFICATIONS AND AS PER
ROAD CONSTRUCTION PLANS F-01-132

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Ruth Beaman 10-8-01
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND

[Signature] 10/15/01
CHIEF, DEVELOPMENT ENGINEERING DIVISION 1 DATE

BENCHMARK
ENGINEERS & LAND SURVEYORS & PLANNERS
ENGINEERING, INC.
8480 BALTIMORE NATIONAL PIKE A SUITE 418
ELLCOTT CITY, MARYLAND 21043
phone: 410-465-8105 • fax: 410-465-6644
email: Benchmark@ccils.com

Dorrell Maan
9/20/01

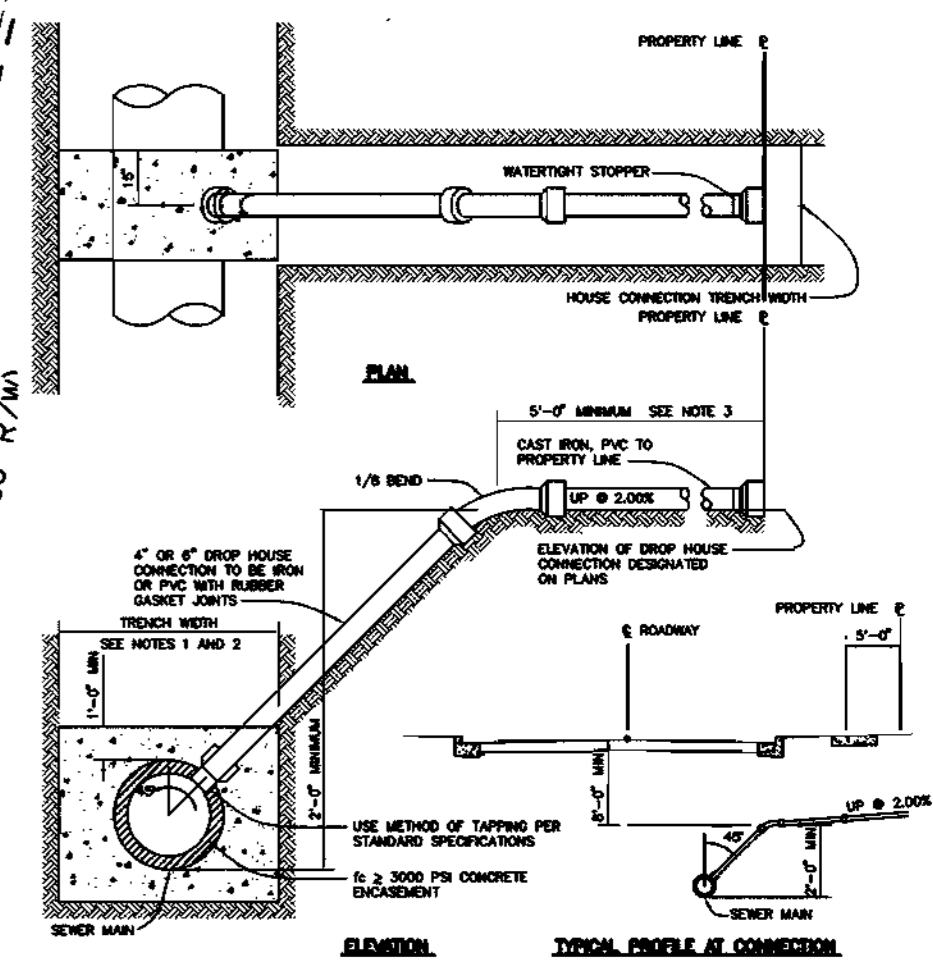
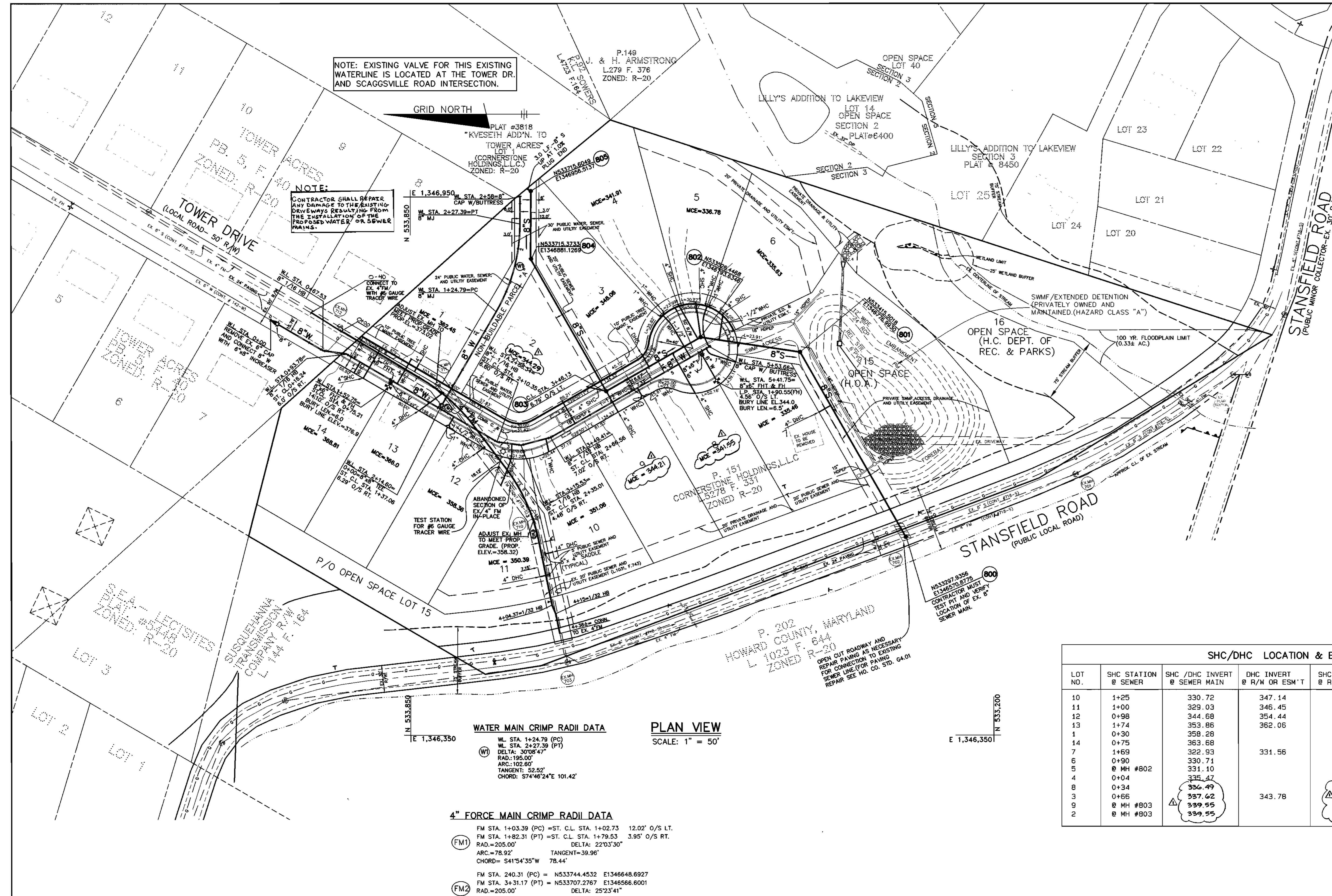
DES: YSL			
DRN: YSL			
CHK: DAM			
DATE: 9-20-01			
BY: NO.			
	REVISIONS	DATE	
	REVISE SEWER QUANTITIES	2-15-02	

**WATER & SEWER EXTENSION
TITLE SHEET**

600 SCALE MAP NO. 46 BLOCK 18

THE HILLSIDE AT ROCKY GORGE
LOTS 1 THRU 14
HOWARD COUNTY ELECTION DISTRICT NO. 6
CONTRACT NO. 24-3879-D

SCALE AS SHOWN
SHEET 1 OF 4



SHC/DHC LOCATION & ELEVATION DATA					
LOT NO.	SHC STATION @ SEWER	SHC /DHC INVERT @ R/W OR ESM 'T	DHC INVERT @ R/W OR ESM 'T	SHC INVERT @ R/W OR ESM 'T	REMARKS
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3	0+66	337.62		338.55	
9	@ MH #803	339.55	343.78	340.09	
2	@ MH #803	339.55		339.99	

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert B. Beniger 10-8-01
CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

Donald M. Moore 10/10/01
CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BENCHMARK
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email: Benchmark@ccol.com

Donald Moore
10/10/01

Donald Moore
10/10/01

DES: YSL
DRN: YSL
CHK: DAM
DATE: 9-20-01

REVISIONS

REVISE SHC/DHC INVERTS AND M.C.E. FOR LOTS 2,3,8,9 215-02

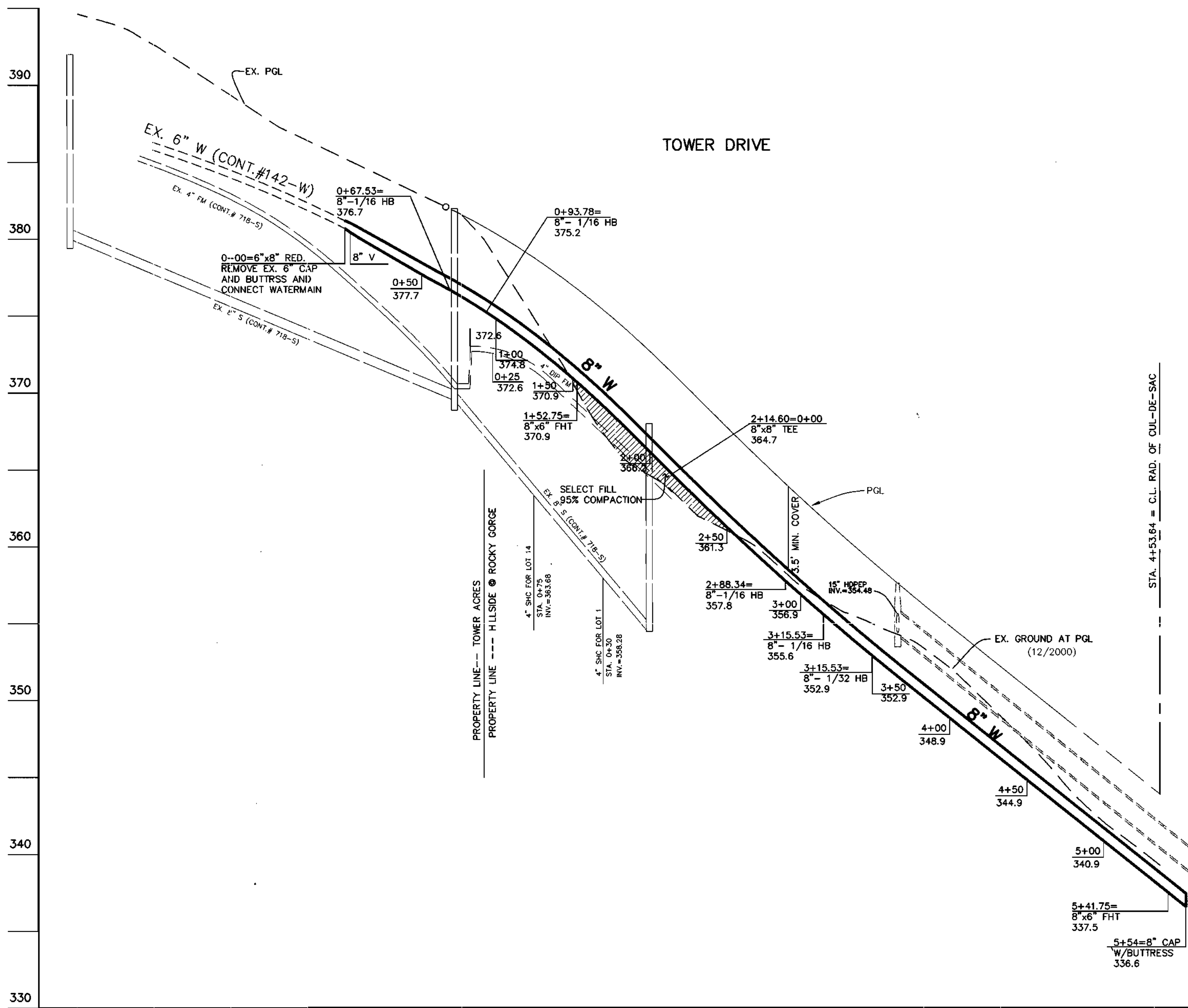
BY NO. DATE

WATER & SEWER EXTENSION PLAN

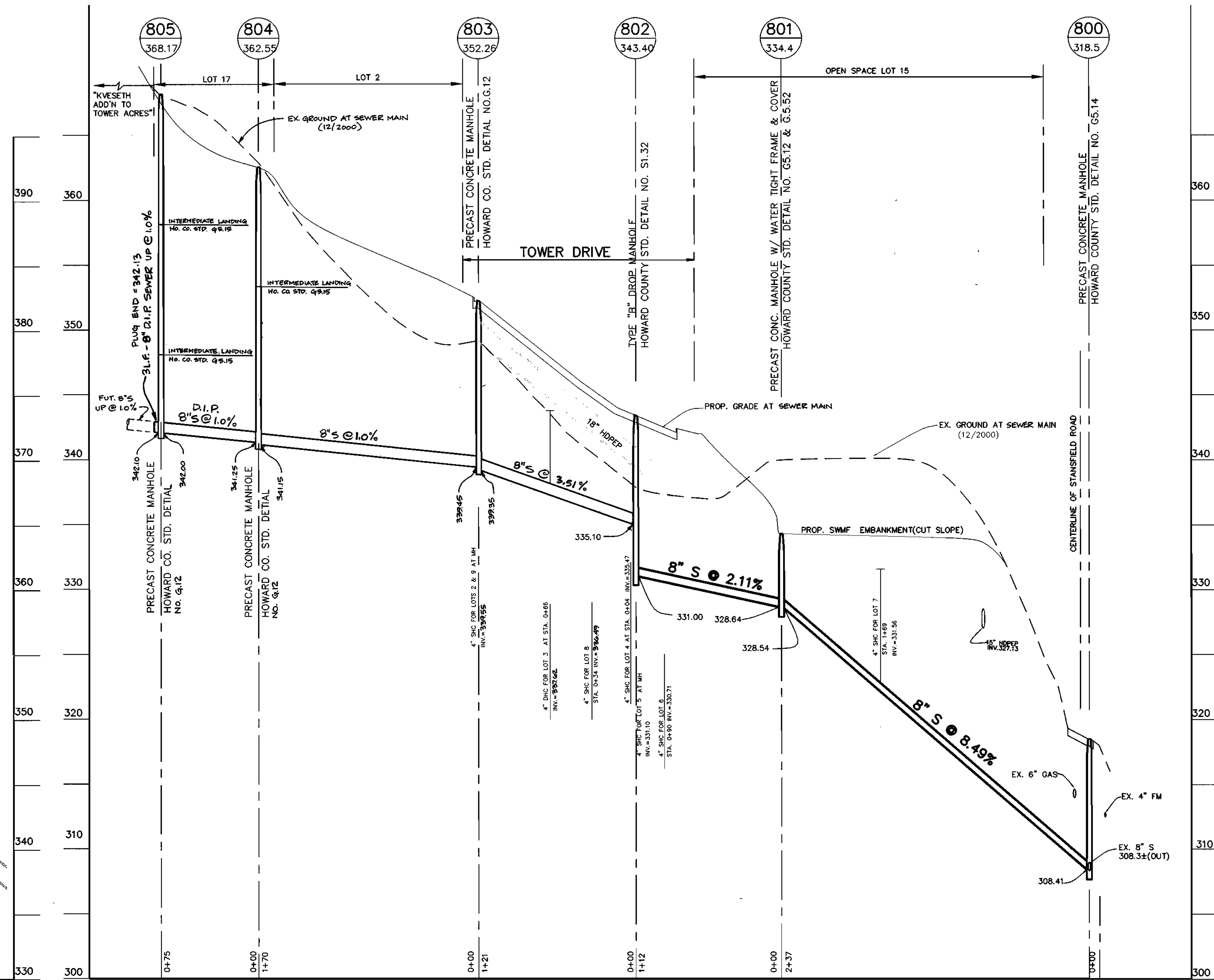
600 SCALE MAP NO. 46 BLOCK 18

THE HILLSIDE AT ROCKY GORGE
LOTS 1 THRU 14
HOWARD COUNTY ELECTION DISTRICT NO. 6
CONTRACT NO. 24-3879-D

SCALE AS SHOWN
SHEET 2 OF 4



WATER AND EX. SEWER PROFILE AT TOWER DR.
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'



SEWER PROFILE
 HOR. SCALE: 1" = 50'
 VERT. SCALE: 1" = 5'

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Robert Bringer 10-8-01
 CHIEF, BUREAU OF UTILITIES DATE

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND
 [Signature] 10/10/01
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BENCHMARK ENGINEERING, INC.
 ENGINEERS & LAND SURVEYORS & PLANNERS
 8480 BALTIMORE NATIONAL PIKE & SUITE 418
 ELICOTT CITY, MARYLAND 21043
 phone: 410-465-6105 & fax: 410-465-6844
 email: Benchmark@cois.com

[Signature: Donald Mann]
 [Stamp: Professional Engineer, State of Maryland, No. 12345]

DES:	YSL				
DRN:	YSL				
CHK:	DAM				
DATE:	9-20-01				
BY:					
NO.:					
REVISIONS:					
DATE:					

WATER & SEWER EXTENSION PROFILES
 600 SCALE MAP NO. 46
 BLOCK 18

THE HILLSIDE AT ROCKY GORGE
 LOTS 1 THRU 14
 HOWARD COUNTY ELECTION DISTRICT NO. 6
CONTRACT NO. 24-3879-D

DEVELOPER/OWNER:
 CORNERSTONE HOLDINGS, L.L.C.
 9691 NORFOLK AVENUE
 LAUREL, MARYLAND 20723
 (410) 792-2565

SCALE AS SHOWN
 SHEET 3 OF 4

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