

FINAL WATER & SEWER PLAN

11071 GUILFORD ROAD

LAUREL BLOCK PROPERTY

PARCEL "42"

6th ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
CONTRACT NO. #24-4299-D

GENERAL NOTES

PART I.

1. APPROXIMATE LOCATIONS 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. TOPOGRAPHIC SURVEYS WERE PERFORMED BY MORRIS & RITCHE ASSOCIATES, INC. IN FEBRUARY, 2005.
3. HORIZONTAL AND VERTICAL SURVEY CONTROLS:
 - ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES, NAD 83/91.
 - ALL VERTICAL CONTROLS ARE BASED ON NAVD 88.
4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS, UNLESS OTHERWISE NOTED ON THE PLANS.
5. 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 MONEY'S OWED THE CONTRACTOR. THE CONTRACTOR SHALL COORDINATE WITH THE UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES.
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 (LATEST EDITION). THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE PROJECT SITE.
7. 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 DRAWING. 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.
8. THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
 - AT&T 1-800-252-1133
 - BGE (CONTRACTOR SERVICES) 410-850-4620
 - BGE (UNDERGROUND DAMAGE CONTROL) 410-787-9088
 - 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
9. 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.
10. 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.
11. 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

1. ALL WATER MAINS SHALL BE D.I.P. CLASS 52, UNLESS OTHERWISE NOTED.
2. TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER, UNLESS OTHERWISE NOTED. THE MAXIMUM DEPTH OF WATER MAIN SHALL NOT EXCEED 8'.
3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS, UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
5. 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 1005 OF THE STANDARD SPECIFICATIONS.
6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
7. ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON PLANS OR IN SPECIFICATIONS.
8. ALL TOWNHOMES SHALL HAVE A 1" WATER HOUSE CONNECTIONS AND 3/4" OUTSIDE WATER METERS.

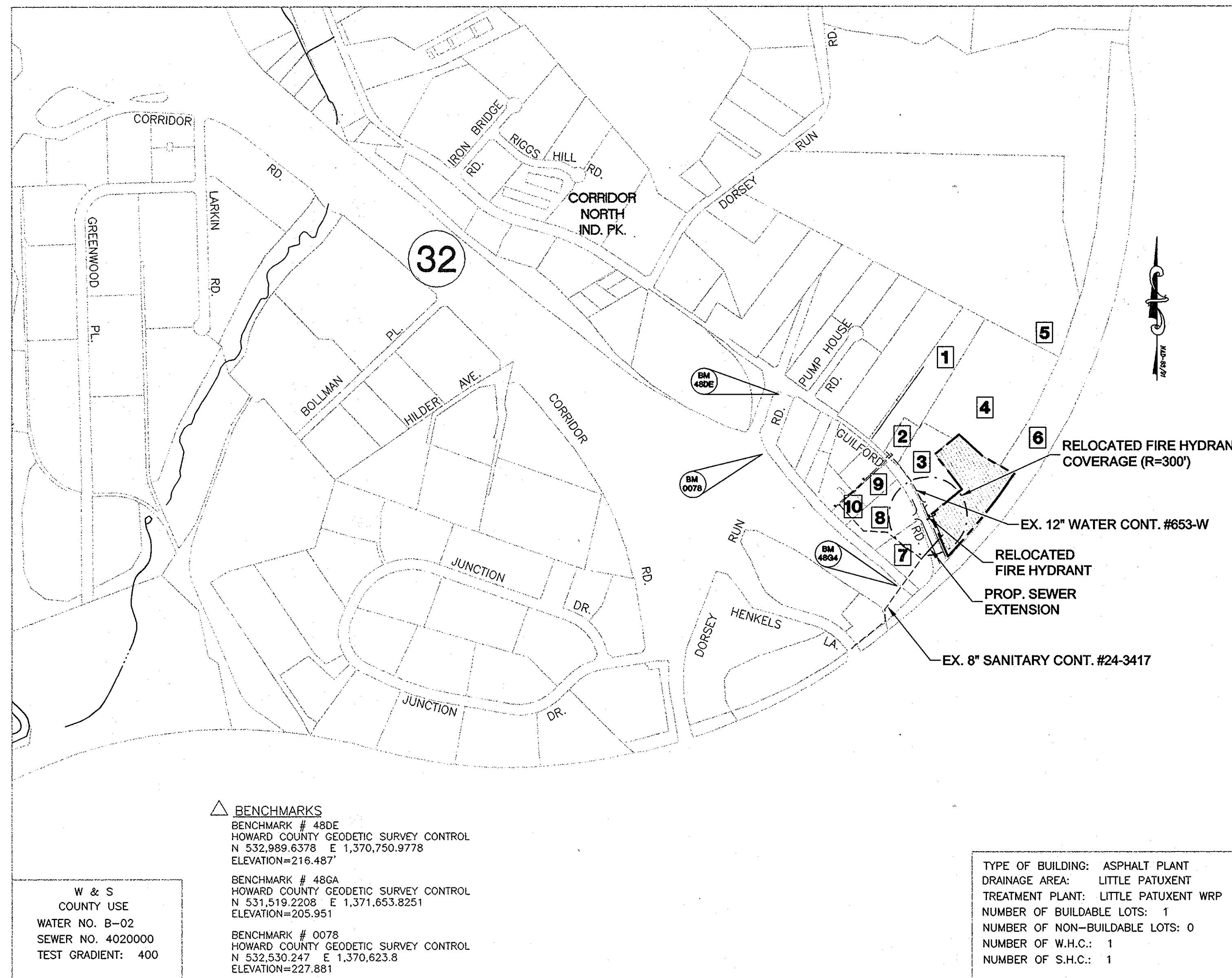
PART III. SEWER

1. ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C., UNLESS OTHERWISE NOTED. THE MINIMUM SIZE OF THE SEWER MAIN IS 8".
2. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER, UNLESS OTHERWISE NOTED.
3. FORCE MAINS SHALL BE D.I.P. ONLY.
4. MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
5. MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVER, STANDARD DETAIL 05.52. WHERE WATERTIGHT MANHOLE FRAMES AND COVERS ARE USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
6. HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.

QUANTITIES (PUBLIC)				
ITEMS	ESTIMATED QUANTITIES	AS-BUILT		
		QUANTITIES	TYPE	MANUFACTURER/SUPPLIER
8" WATER MAIN (DIP)	56 LF			
8" VALVES	1 EA.			
12" 8" TAPPING SLEEVE & VALVE	1 EA.			
8" CAP & BUTTRESS	1 EA.			
1" METER PIT	1 EA.			
2" METER PIT	1 EA.			
8" SAN. (DIP)	423 LF			
8" SAN. (PVC)	8 LF			
PRECAST MANHOLE (4' DIA.)	3 EA.			
WATER TIGHT FRAME & COVER	3 EA.			
4" SAN. (PVC)	10 LF			
NAME OF UTILITY CONTRACTOR:				
		SURVEY AND DRAFTING DIV.	CHECK BOX AS-BUILT DATE	

ADJACENT PROPERTY CHART

NO.	OWNER	TAX MAP	PARCEL	PREMISES ADDRESS
1	WILLIAM D. & NANCY M. JOHNSTON	48	69	10985 GUILFORD RD, JESSUP, 20794
2	NEIVAS ENTERPRISES, LLC	48	70	11001 GUILFORD RD, ANNAPOLIS JUNCTION, 20701
3	SK PROPERTY DEVELOPMENT, LLC	48	119	11035 ANNAPOLIS JCT RD, ANNAPOLIS JUNCTION, 20701
4	STATE OF MD DEPT. OF CORRECTIONS	48	84	8575 N DORSEY RUN RD, JESSUP, 20794
5	STATE OF MD DEPT. OF CORRECTIONS	48	128	E DORSEY RUN RD JESSUP, 20794
6	CSX TRANSPORTATION, INC.	48	143	ANNAPOLIS JCT RD JESSUP, 20794
7	ALBAN TRACTOR COMPANY, INC.	48	44	ANNAPOLIS JCT RD JESSUP, 20794
8	NATIONAL RAILROAD PASSENGER CORP.	48	154	11030 SW ROUTE 32, ANNAPOLIS JUNCTION 20701
9	EMOND LEO F & KATHLEEN S WF ET AL	48	38	11010 GUILFORD RD, LAUREL, 20723
10	AJO CONCRETE CONSTRUCTION INC.	48	41	8820 HILDER AVENUE, LAUREL, 20794



SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE SPECIFICATIONS AND AS SHOWN ON SDP-02-150

REVIEW FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REVIEW

Jim Meyer 4/4/06
 NATURAL RESOURCES CONSERVATION DISTRICT DATE

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

John R. Roberts 4/4/06
 HOWARD SOIL CONSERVATION DISTRICT DATE

WATER USAGE CHART*

	MIN (GPD)	MAX (GPD)	AVG (GPD)
QUALITY CONTROL	0	300	75
HOSE BIB #1	0	1000	100

*NOTE: HOSE BIBS IS USED FOR DUST CONTROL ON-SITE.

BENCHMARKS
 BENCHMARK # 48DE
 HOWARD COUNTY GEODETIC SURVEY CONTROL
 N 532,989.6378 E 1,370,750.9778
 ELEVATION=216.487'
 BENCHMARK # 48GA
 HOWARD COUNTY GEODETIC SURVEY CONTROL
 N 531,519.2208 E 1,371,653.9251
 ELEVATION=205.951'
 BENCHMARK # 0078
 HOWARD COUNTY GEODETIC SURVEY CONTROL
 N 532,530.247 E 1,370,623.8
 ELEVATION=227.881'

W & S
 COUNTY USE
 WATER NO. B-02
 SEWER NO. 4020000
 TEST GRADIENT: 400

TYPE OF BUILDING: ASPHALT PLANT
 DRAINAGE AREA: LITTLE PATUXENT
 TREATMENT PLANT: LITTLE PATUXENT WRP
 NUMBER OF BUILDABLE LOTS: 1
 NUMBER OF NON-BUILDABLE LOTS: 0
 NUMBER OF W.H.C.: 1
 NUMBER OF S.H.C.: 1

LOCATION MAP
 SCALE: 1"=600'

SHEET INDEX

1	COVER SHEET
2	WATER & SEWER PLAN
3	WATER & SEWER PROFILES AND DETAILS

OWNER/DEVELOPER FAX NO.: (301) 441-9665
 A. NAME: GLEN HARVIE B. DAYTIME TELEPHONE: (301) 982-1400
 C. COMPANY: MILLVILLE QUARRY, INC. C/O AGGREGATE INDUSTRIES, INC.
 D. ADDRESS: 6401 GOLDEN TRIANGLE DRIVE, SUITE 400
 E. CITY: GREENBELT STATE: MD ZIP: 20770

SDP-06-021

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
 HOWARD COUNTY, MARYLAND



MORRIS & RITCHE ASSOCIATES, INC.
 ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS
 14280 PARK CENTER DRIVE, SUITE A
 LAUREL, MARYLAND 20707
 (410) 792-9792 or (301) 776-1690
 FAX (410) 792-7395



DES: MM/KSK
 DRN: MM/MSP
 CHK: KSK
 DATE: 3/29/06

COVER SHEET

FINAL WATER & SEWER EXTENSION PLAN
 11071 GUILFORD ROAD
 PARCEL "42"
LAUREL BLOCK PROPERTY
CONTRACT NO. 24-4299-D
 L. 08920 F. 074
 ZONED: M-2 TAX MAP: 48 GRID: 14 PARCEL 42
 ELECTION DISTRICT NO.: 06 HOWARD COUNTY, MARYLAND

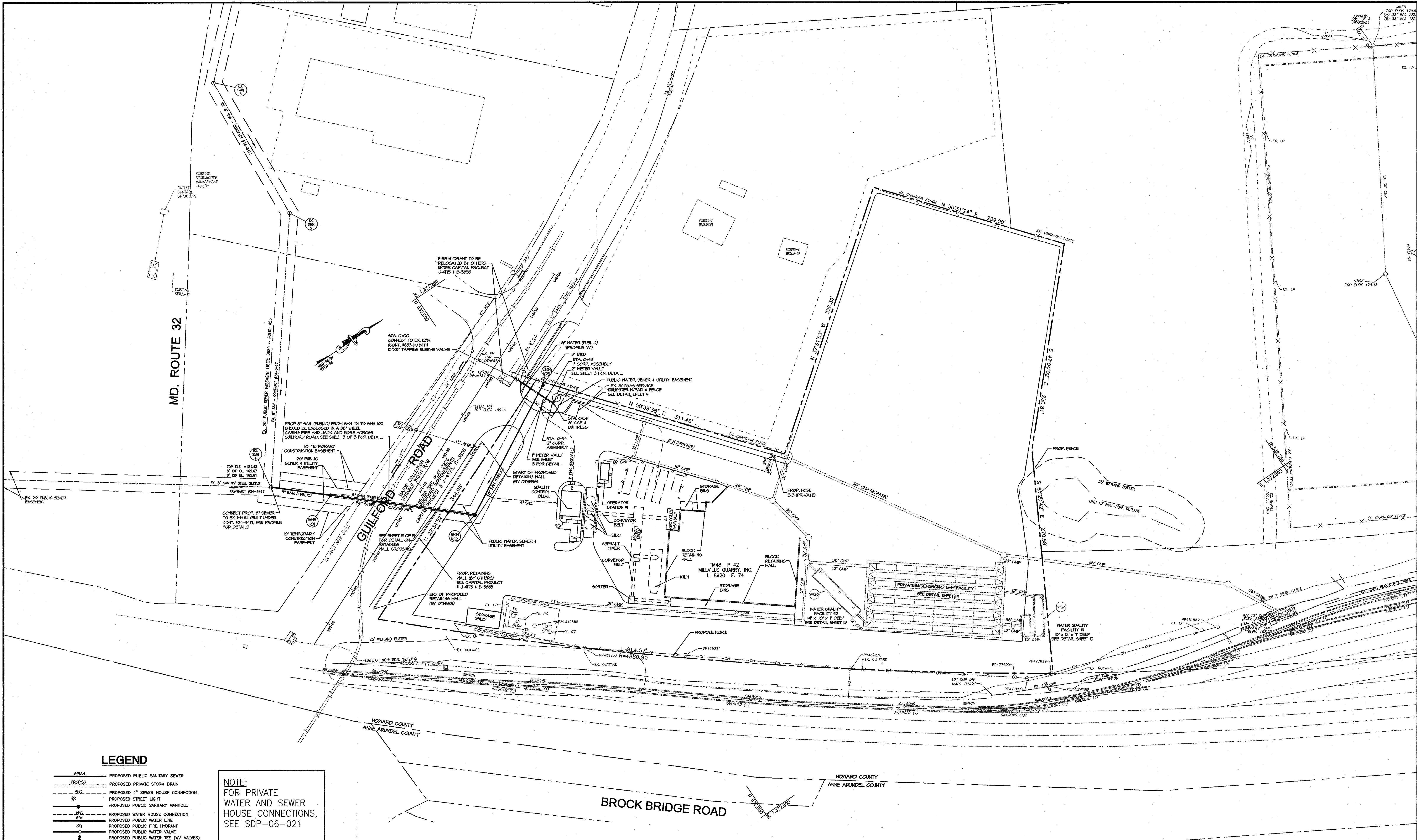
SCALE:
 AS
 SHOWN

SHEET
 1 OF 3

Ruthy Benin 3-29-04
 CHIEF, BUREAU OF UTILITIES DATE

John R. Roberts 4/18/06
 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE

BY NO. REVISIONS DATE 600' SCALE MAP NO. 48 BLOCK NO. 14



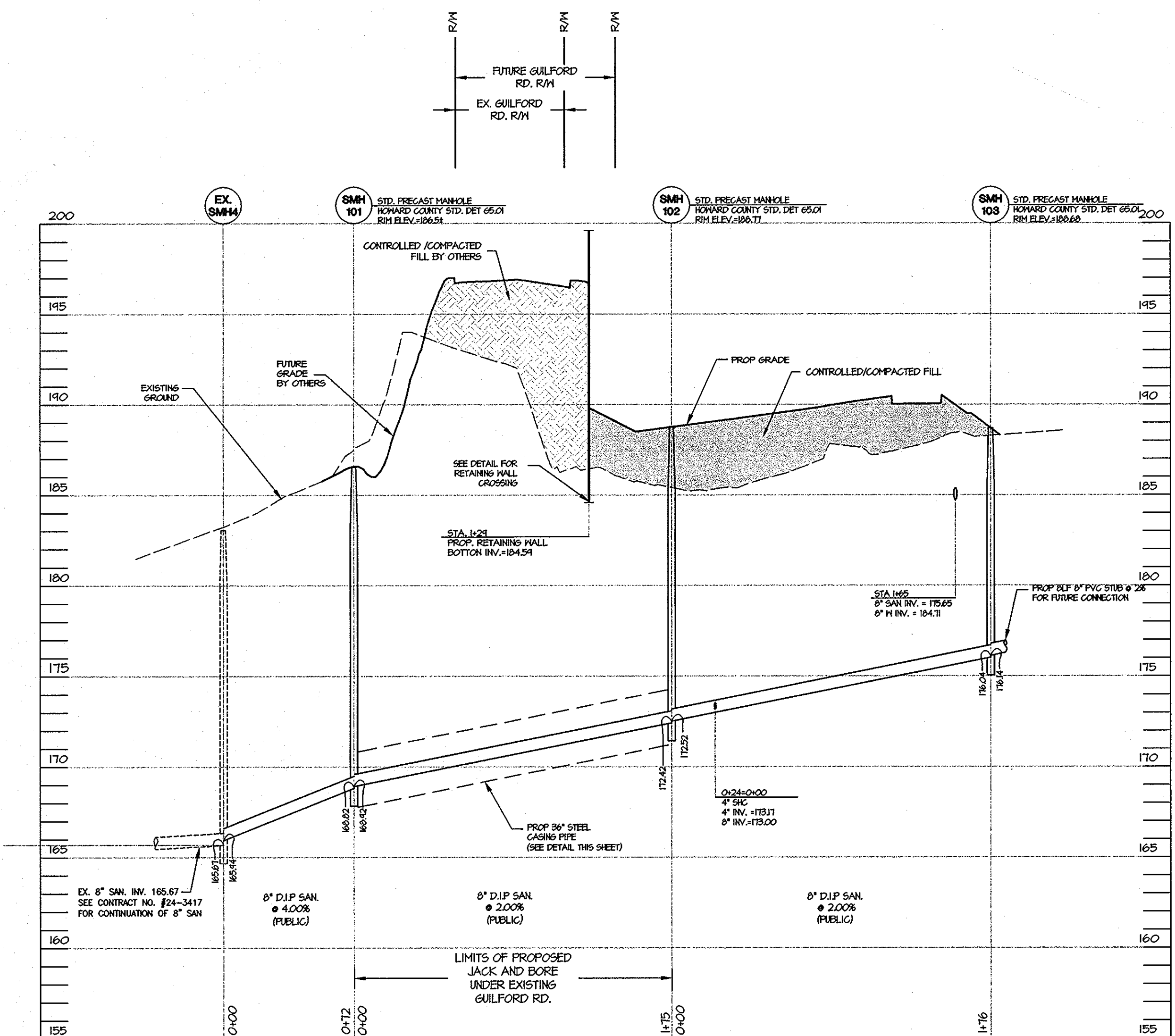
LEGEND

- 8" SAN — PROPOSED PUBLIC SANITARY SEWER
- 18" S/D — PROPOSED PRIVATE STORM DRAIN
- 4" SH — PROPOSED 4" SEWER HOUSE CONNECTION
- * — PROPOSED STREET LIGHT
- 36" — PROPOSED PUBLIC SANITARY MANHOLE
- 12" — PROPOSED WATER HOUSE CONNECTION
- 12" — PROPOSED PUBLIC WATER LINE
- 12" — PROPOSED PUBLIC FIRE HYDRANT
- V — PROPOSED PUBLIC WATER VALVE
- T — PROPOSED PUBLIC WATER TEE (W/ VALVES)

NOTE:
FOR PRIVATE WATER AND SEWER HOUSE CONNECTIONS, SEE SDP-06-021

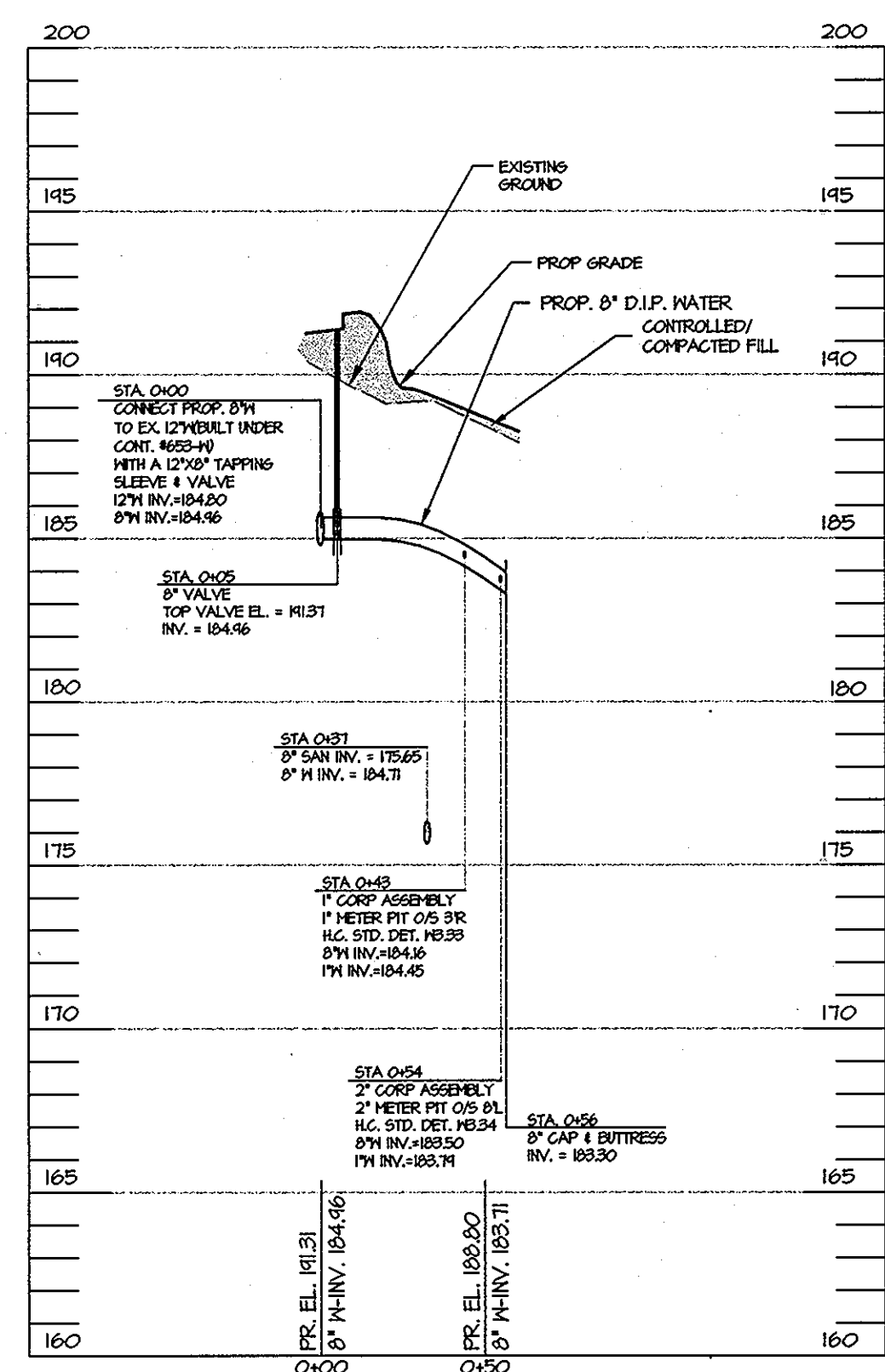
WATER AND SEWER PLAN
SCALE: 1"=50'

<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>R. J. ...</i> CHIEF, BUREAU OF UTILITIES</p>	<p>DEPARTMENT OF PLANNING & ZONING HOWARD COUNTY, MARYLAND</p> <p><i>W. ...</i> CHIEF, DEVELOPMENT ENGINEERING DIVISION</p>	<p>MRA MORRIS & RITCHE ASSOCIATES, INC. ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS</p> <p>14280 PARK CENTER DRIVE, SUITE A LAUREL, MARYLAND 20707 (410) 792-9792 or (301) 776-1690 FAX (410) 792-7395</p>	<p>DES: MM/KSK DRN: MM/MSP CHK: KSK DATE: 3/29/06</p>	<p>BY NO. _____ REVISIONS _____ DATE _____</p>	<p>WATER AND SEWER PLAN</p>	<p>FINAL WATER & SEWER EXTENSION PLAN 11071 GUILFORD ROAD PARCEL 42 LAUREL BLOCK PROPERTY CONTRACT NO. 24-4299-D L. 08920 F. 074 ZONED: M-2 TAX MAP: 48 GRID: 14 PARCEL 42 ELECTION DISTRICT NO.: 06 HOWARD COUNTY, MARYLAND</p>	<p>SCALE AS SHOWN</p> <p>SHEET 2 OF 3</p>
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**SANITARY SEWER PROFILE
EX. SMH-4 TO SMH-103**

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



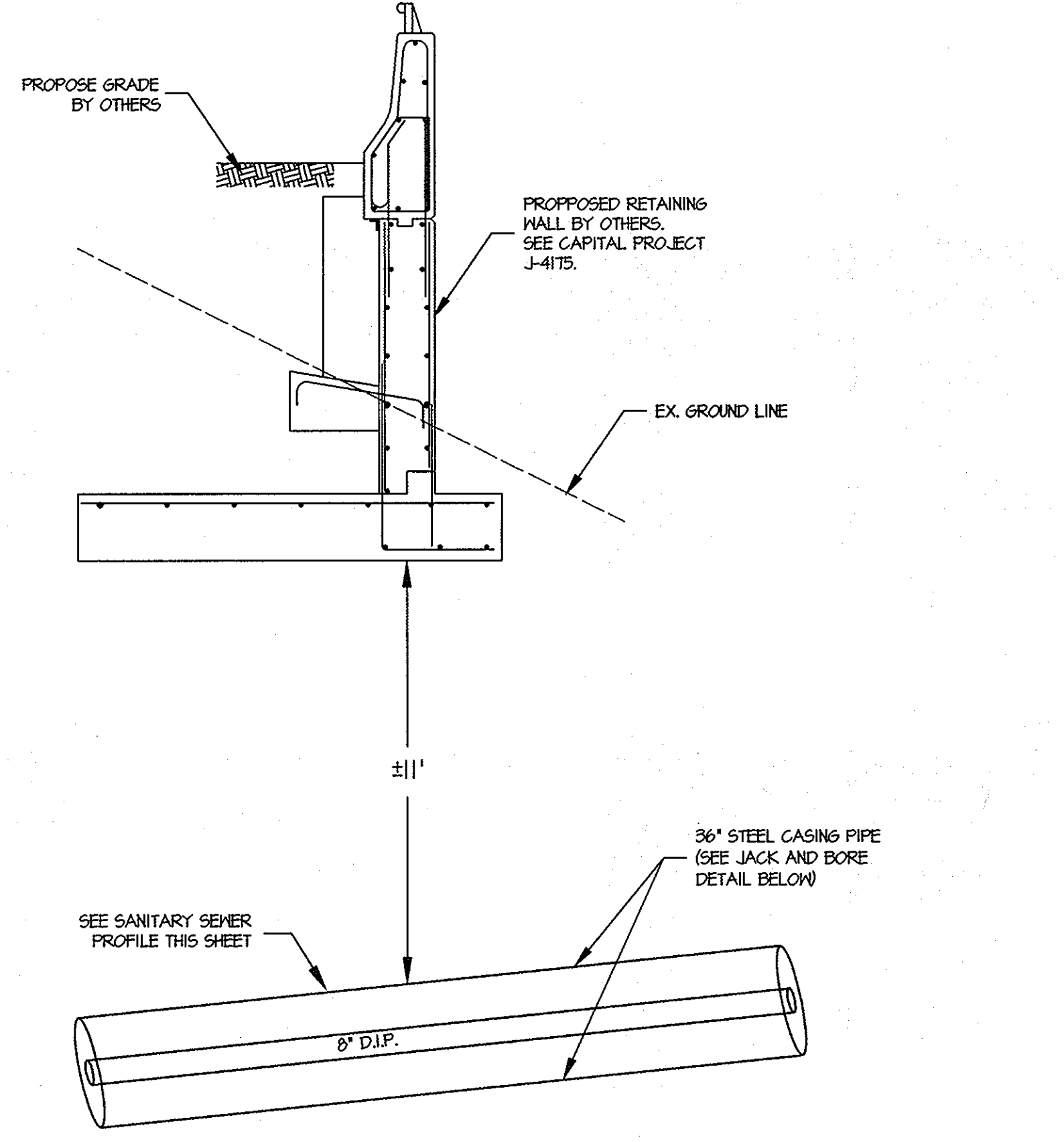
WATER PROFILE 'A'

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

SANITARY SEWER STRUCTURE SCHEDULE (PUBLIC)						
STR. NO.	TOP ELEV.	INV. IN.	INV. OUT.	TYPE	REMARKS	LOCATION
SMH-101	186.5±	168.92	168.82	H.C. STD. DETAIL G5.01	STANDARD PRECAST MH	NORTHING 531,781.36 EASTING 1,371,888.90
SMH-102	188.77	172.52	172.42	H.C. STD. DETAIL G5.01	STANDARD PRECAST MH	NORTHING 531,912.04 EASTING 1,372,005.20
SMH-103	188.68	176.14	176.04	H.C. STD. DETAIL G5.01	STANDARD PRECAST MH	NORTHING 532,067.01 EASTING 1,371,921.23

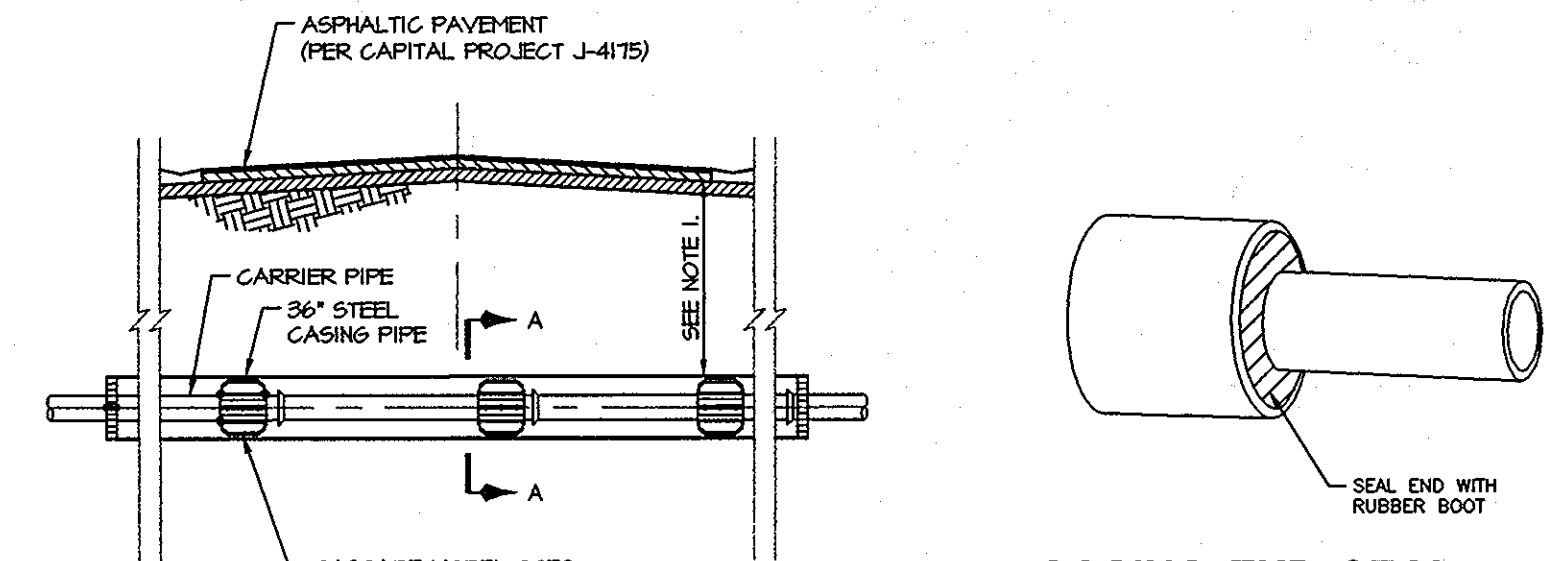
• COORDINATES TO CENTERLINE OF STRUCTURE

• FOR WATER AND SEWER MATERIAL SCHEDULE, SEE SHEET 1 OF 3.



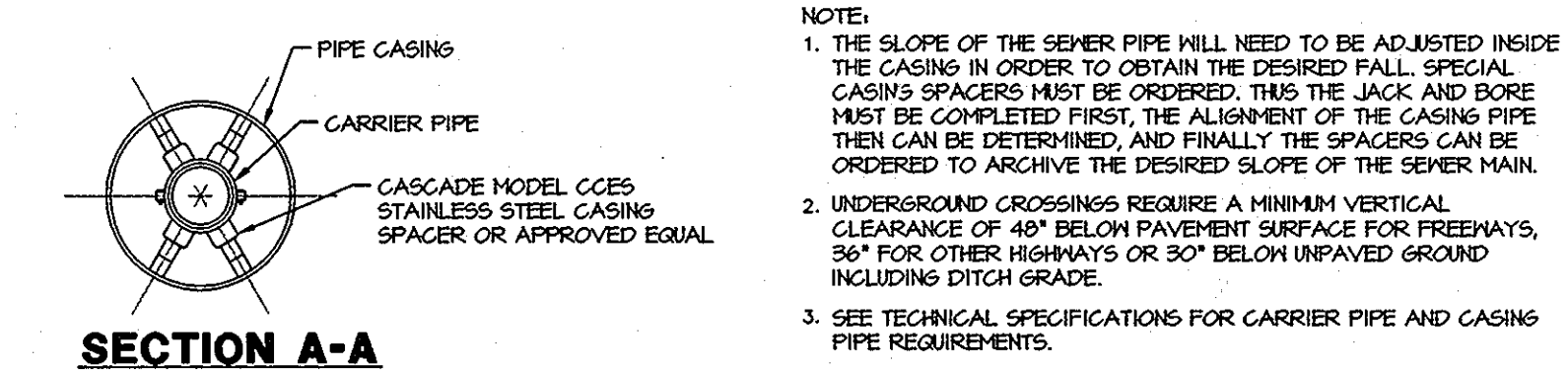
RETAINING WALL DETAIL

N.T.S.

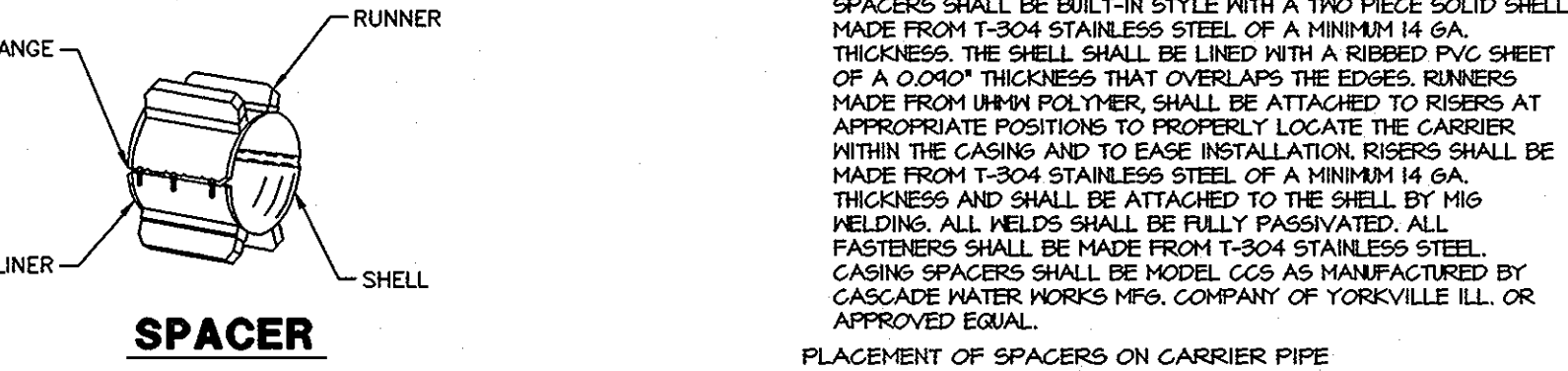


CASING END SEAL

N.T.S.



SECTION A-A



SPACER

STANDARD NO. OF RUNNERS REQUIRED
UP TO 14" CARRIER PIPE - 4 REQUIRED
OVER 14" THROUGH 36" CARRIER PIPE - 6 REQUIRED
OVER 36" THROUGH 48" CARRIER PIPE - 7 REQUIRED

NOTE:
1. THE SLOPE OF THE SEWER PIPE WILL NEED TO BE ADJUSTED INSIDE THE CASING IN ORDER TO OBTAIN THE DESIRED FALL. SPECIAL CASING SPACERS MUST BE ORDERED. THIS THE JACK AND BORE MUST BE COMPLETED FIRST. THE ALIGNMENT OF THE CASING PIPE THEN CAN BE DETERMINED, AND FINALLY THE SPACERS CAN BE ORDERED TO ARCHIVE THE DESIRED SLOPE OF THE SEWER MAIN.
2. UNDERGROUND CROSSINGS REQUIRE A MINIMUM VERTICAL CLEARANCE OF 48" BELOW PAVEMENT SURFACE FOR FREEWAYS, 36" FOR OTHER HIGHWAYS OR 30" BELOW UNPAVED GROUND INCLUDING DITCH GRADE.
3. SEE TECHNICAL SPECIFICATIONS FOR CARRIER PIPE AND CASING PIPE REQUIREMENTS.

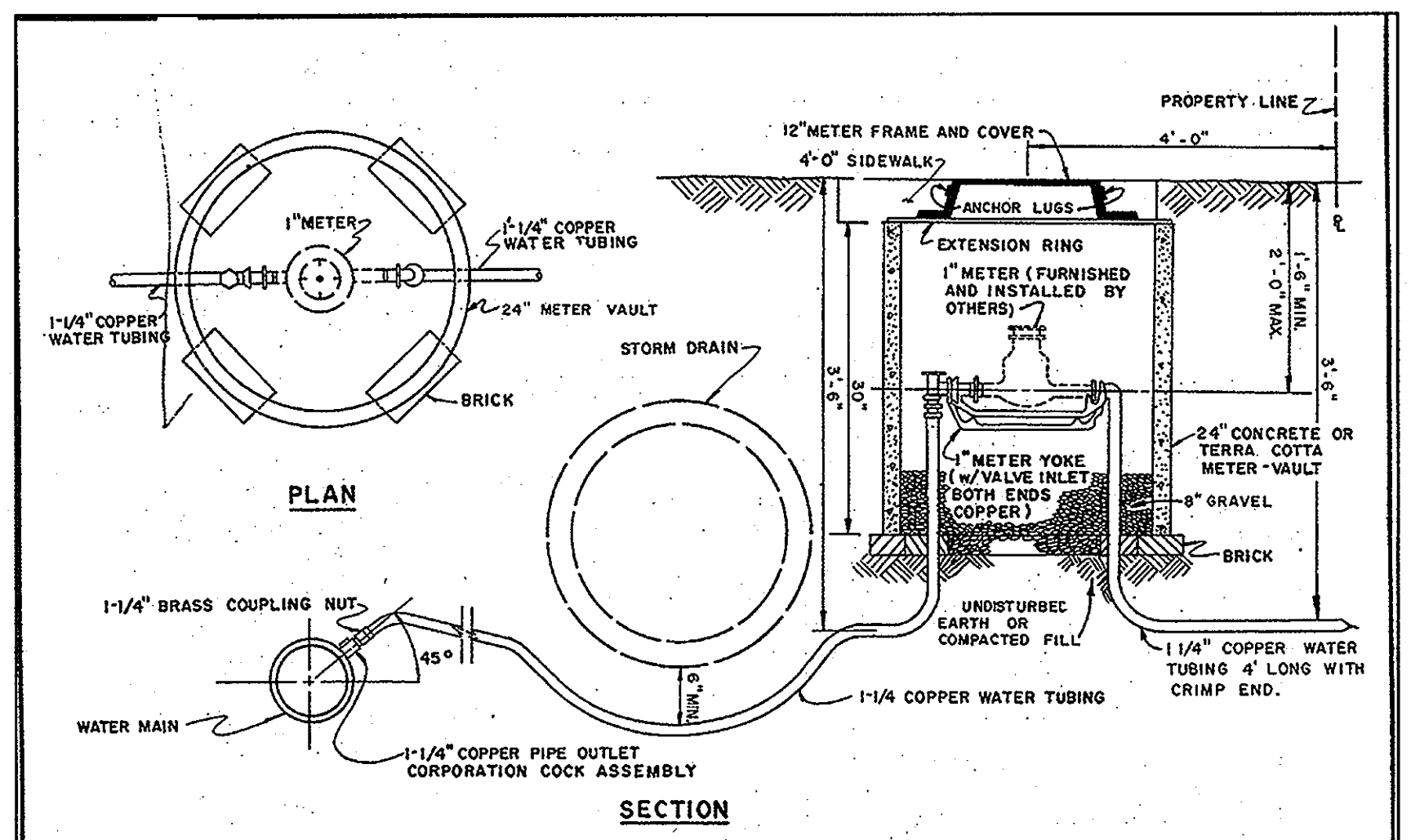
STAINLESS STEEL SPACERS
SPACERS SHALL BE BUILT-IN STYLE WITH A TWO PIECE SOLID SHELL MADE FROM T-304 STAINLESS STEEL OF A MINIMUM 14 GA. THICKNESS. THE SHELL SHALL BE LINED WITH A RUBBED PVC SHEET OF A 0.040" THICKNESS THAT OVERLAPS THE EDGES. RUNNERS MADE FROM UHMW POLYETHER SHALL BE ATTACHED TO RISERS AT APPROPRIATE POSITIONS TO PROPERLY LOCATE THE CASING. WITHIN THE CASING AND TO EASE INSTALLATION RISERS SHALL BE MADE FROM T-304 STAINLESS STEEL OF A MINIMUM 14 GA. THICKNESS AND SHALL BE ATTACHED TO THE SHELL BY MIG WELDING. ALL WELDS SHALL BE FULLY PASSIVATED. ALL FASTENERS SHALL BE MADE FROM T-304 STAINLESS STEEL. CASING SPACERS SHALL BE MODEL C65 AS MANUFACTURED BY CASCADE WATER WORKS MFG. COMPANY OF YORKVILLE ILL. OR APPROVED EQUAL.

PLACEMENT OF SPACERS ON CARRIER PIPE
1. GENERAL - ONE SPACER SHALL BE PLACED NOT MORE THAN TWO FEET FROM EACH END OF CASING. SUBSEQUENT SPACERS SHALL BE PLACED AT 6'-0" INTERVALS WITHIN THE CASING, OR IN ACCORDANCE WITH PIPE MANUFACTURER'S RECOMMENDATIONS.
2. PVC CARRIER - ONE SPACER SHALL BE PLACED ON THE SPIGOT END OF EACH SEGMENT AT THE LINE MARKING THE LIMIT OF INSERTION INTO THE BELL. WHEN THE JOINT IS COMPLETE, THE SPACER SHALL BE IN CONTACT WITH THE BELL OF THE JOINT SO THAT THE SPACER PUSHES THE JOINT AND RELIEVES COMPRESSION WITHIN THE JOINT. SUBSEQUENT SPACERS SHALL BE PLACED AT 6'-0" INTERVALS, OR IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.

CARRIER PIPE SHALL BE CENTERED WITHIN CASING BY USE OF MODEL C65 STAINLESS STEEL CASING SPACERS AS MANUFACTURED BY CASCADE WATER WORKS MFG. COMPANY OR APPROVED EQUAL. SPACERS FOR PIPES OVER 48" MAY REQUIRE THREE PIECE SHELLS. SHELL CONNECTORS ABOVE 48" SHALL BE RECEIVER BAR/ WASHER PLATE TYPE.

JACK AND BORE DETAIL

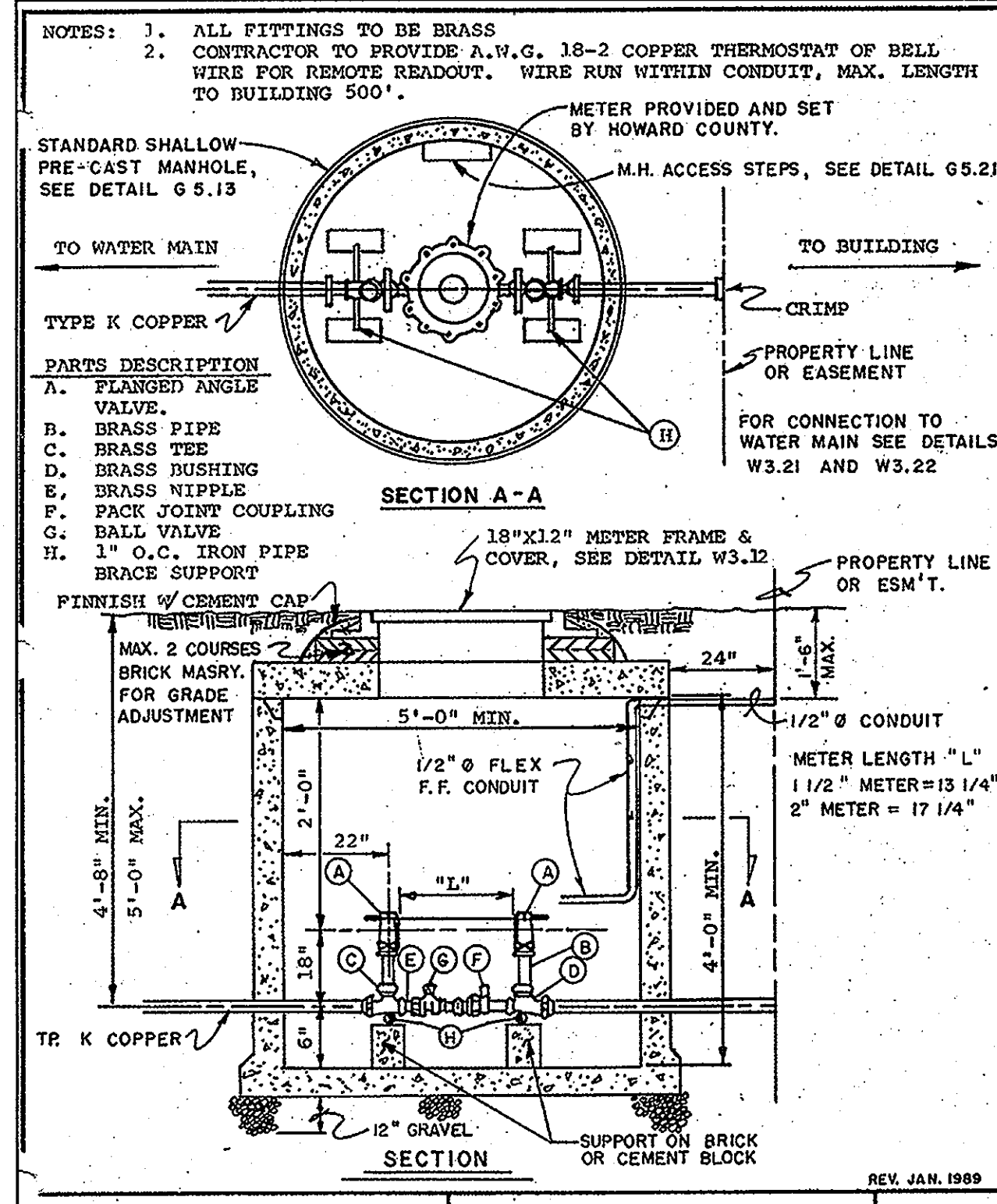
N.T.S.



**STANDARD WATER DETAILS
STANDARD INSTALLATION FOR
1" METER SETTINGS**

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: [Signature] Chief - Bureau of Engineering

DRAWN BY: [Signature]
CHECKED BY: [Signature]
SCALE: NONE
NO. 3.33



**STANDARD WATER DETAILS
STANDARD INSTALLATION FOR
1 1/2" AND 2" OUTSIDE
METER SETTINGS**

HOWARD COUNTY, MARYLAND
DEPARTMENT OF PUBLIC WORKS
Approved: [Signature] Chief - Bureau of Engineering

DRAWN BY: [Signature]
CHECKED BY: [Signature]
SCALE: NONE
NO. 3.34

CONTROLLED AND COMPACTED FILL PER AASHTO T-190, TO BE CERTIFIED BY AN APPROVED ON-SITE GEOTECHNICAL ENGINEER

COMPACTED SPECIFICATIONS FOR UTILITIES IN FILL
WHERE UTILITY PIPES ARE TO BE PLACED ON COMPACTED FILL, THE FOLLOWING APPLIES:
A. PRIOR TO PLACEMENT OF COMPACTED FILL, ANY SOFT OR OTHERWISE UNSUITABLE SOILS ENCOUNTERED AT THE EXISTING RAVIDE BOTTOM OR SLOPE, SHALL BE UNDERCUT AND REMOVED FROM THE CONSTRUCTION AREA.
B. ACCEPTABLE COMPACTED FILL SHALL BE PLACED IN SIX INCH THICK LOOSE LIFTS AND COMPACTED TO AT LEAST 98 PERCENT OF THE MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O. METHOD T-180.
C. THE COMPACTED FILL SHALL BE BENCHED INTO THE EXISTING VIRGIN SLOPES WITH EACH LIFT PLACED TO A SMOOTH TRANSITION FROM VIRGIN TO FILL SOILS.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PLANNING & ZONING
HOWARD COUNTY, MARYLAND

3-29-06
DATE

4/1/06
DATE

MORRIS & RITCHE ASSOCIATES, INC.
ENGINEERS, PLANNERS, SURVEYORS AND LANDSCAPE ARCHITECTS

14280 PARK CENTER DRIVE, SUITE A
LAUREL, MARYLAND 20707
(410) 792-9782 or (301) 776-1690
FAX (410) 792-7395

PROFESSIONAL ENGINEER
STATE OF MARYLAND
201155
329-06

DES: MM/KSK	BY NO.	REVISIONS	DATE
DRN: MM/MSP			
CHK: KSK			
DATE: 3/29/06			

**WATER AND SEWER PROFILES
AND DETAILS**

600' SCALE MAP NO. 48
BLOCK NO. 14

FINAL WATER & SEWER EXTENSION PLAN
11071 GUILFORD ROAD
PARCEL '42'
LAUREL BLOCK PROPERTY
CONTRACT NO. 24-4299-D

L. 08920 F. 074
ZONED: M-2 TAX MAP: 48 GRID: 14 PARCEL 42
ELECTION DISTRICT NO.: 06 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 3 OF 3