

WATER AND SEWER CODE
 WATER NO. C03
 SEWER NO. 7270000

VICINITY MAP
 SCALE: 1" = 600'

GENERAL NOTES

- 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.C. 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 THE 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 DETAILS FOR CONSTRUCTION. 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 UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SUCH ON THESE PLANS:
 - C&P -- 1-800-257-7777
 - STATE HIGHWAY ADMINISTRATION - 531-5533
 - BALTIMORE GAS & ELECTRIC CO. CONTRACTOR SERVICES - 850-4620
 - BALTIMORE GAS & ELECTRIC CO. UNDER GROUND DAMAGE CONTROL - 859-9004
 - BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING - 298-9001
 - HISS UTILITY - 1-559-0100
 - COLORADO PIPELINE CO. - 795-1390
 - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 992-2366
- TREES ARE TO BE PROTECTED FROM DAMAGE TO MAXIMUM EXTENT. TREES 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 AS DIRECTED BY THE ENGINEER. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR EXCAVATION AND BACKFILL.
- PLACE REGULATION "MEN WORKING" AND WARNING SIGNS AS REQUIRED TO COMPLY WITH MARYLAND STATE HIGHWAY ADMINISTRATION MANUAL OF TRAFFIC CONTROL FOR HIGHWAY CONSTRUCTION AND MAINTENANCE OPERATIONS.
- ALL WATER MAINS TO BE D.I.P. CLASS 52 UNLESS OTHERWISE NOTED.
- TOP OF ALL WATER MAINS TO HAVE A MINIMUM OF 3' COVER UNLESS OTHERWISE NOTED.
- VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- BLOCK ALL FITTINGS WITH CONCRETE.
- BURY LINE ELEVATIONS ON FIRE HYDRANTS SHALL BE SET TO THE ELEVATIONS SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT TO BE COMPACTED IN ACCORDANCE WITH SECTIONS 1003 AND 1008 OF THE GENERAL REQUIREMENTS FOR WATER AND SEWER.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING SYSTEM.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATION C-109 DUCTILE IRON COMPACT FITTINGS, 8"-12" FOR WATER AND OTHER LIQUIDS.
- THE SERVICE CLAMPS ARE TO HAVE STAINLESS STEEL STRAPS.
- ALL SEWER MAINS SHALL BE C.S.P.X., V.C.P.X., P.V.C. OR A.C.P. CLASS 2400 UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- BRICK MANHOLES DEEPER THAN 12" SHALL HAVE 12" OR 16" WALLS.
- MANHOLES DESIGNATED H.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL 65.52 VOLUME IV, HOUSE(S) WITH THE SYMBOL "C.H.S." INDICATES THE CELLAR CANNOT BE SERVED.
- ALL WATER HOUSE CONNECTIONS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 12" ABOVE ALL SANITARY SEWER CROSSINGS.
- ALL SANITARY SEWER HOUSE CONNECTIONS SHALL HAVE A MINIMUM VERTICAL CLEARANCE OF 12" BELOW ALL WATER MAIN CROSSINGS.
- PROFILE STATIONS SHALL BE ADJUSTED AS NECESSARY TO CONFORM TO PLAN DIRECTIONS.
- NO PIPE SHALL BE LAID UNTIL LINES OF EXCAVATION HAVE BEEN BROUGHT TO SUBGRADE.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.

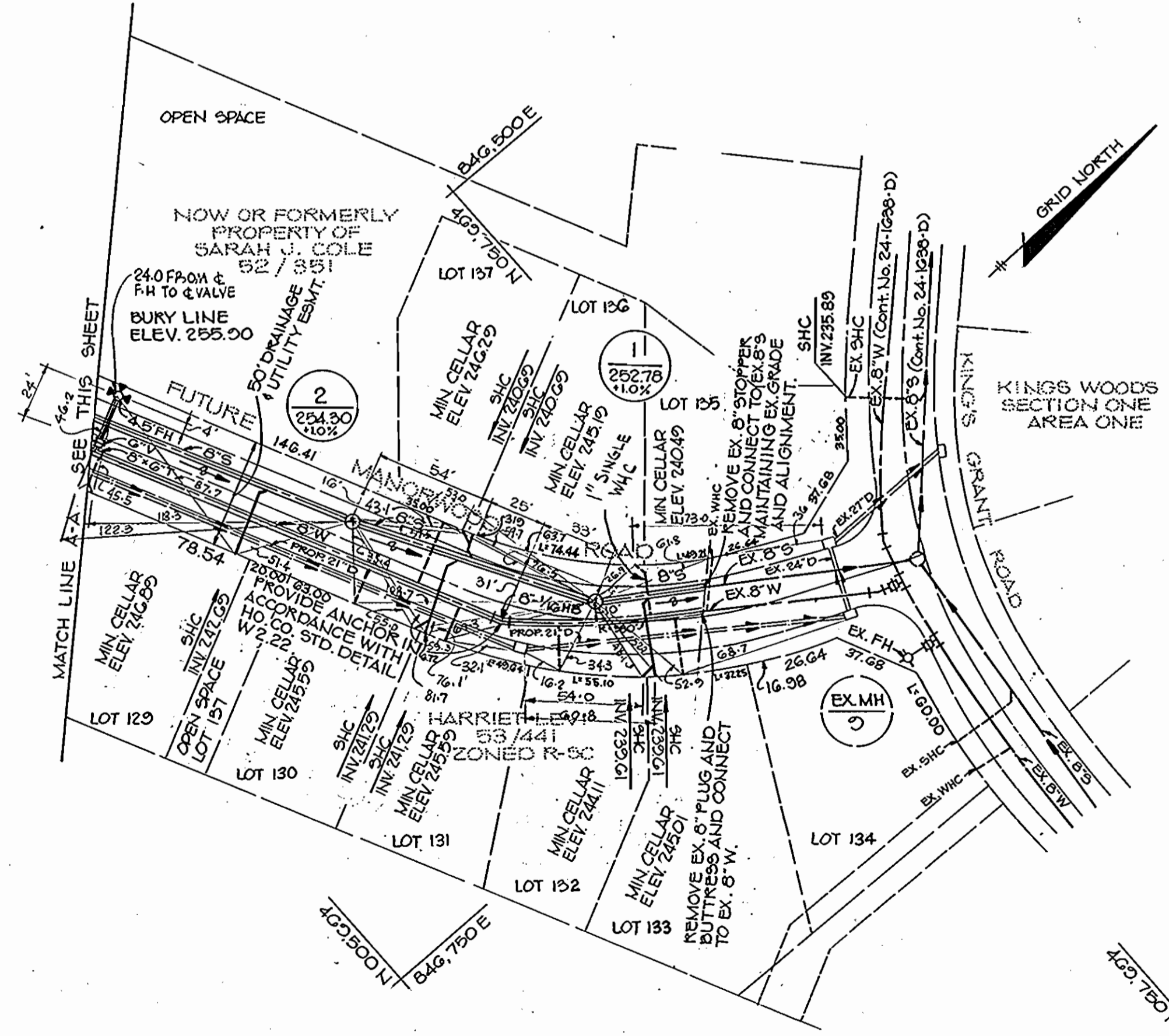
HOWARD SOIL CONSERVATION DISTRICT - REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

Jane M. Nelson 4/3/89
 U.S. SOIL CONSERVATION SERVICE DATE

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

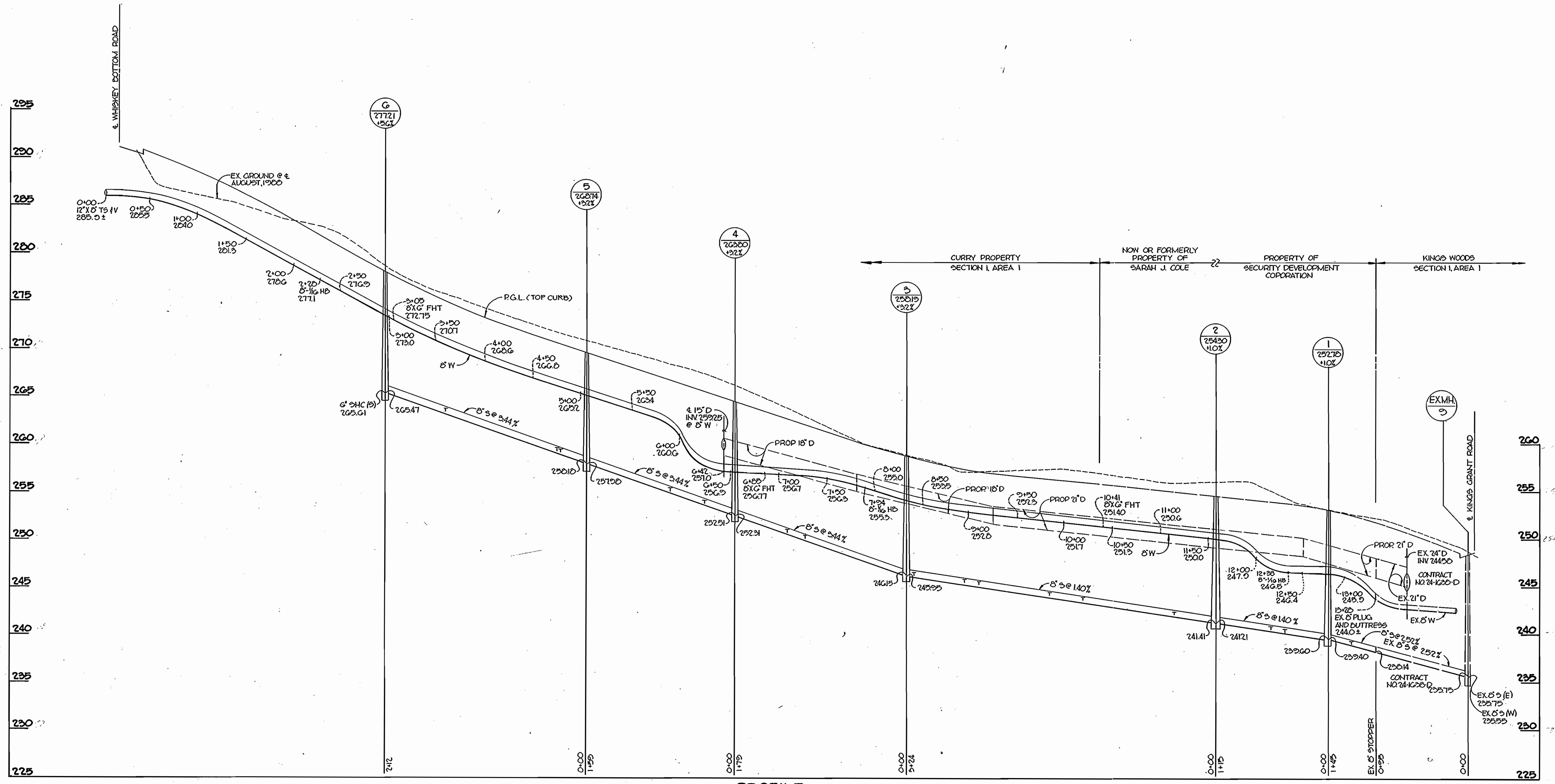
Stephen L. Guber 4/3/89
 HOWARD SOIL CONSERVATION DISTRICT DATE

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-89-75



QUANTITIES			
ITEM	ESTIMATED	AS-BUILT	SUPPLIER
6" Water	1920 L.F.	1375 L.F.	D.I. PIPE, CLASS 52 / GWINN PIPE CO.
8" Water	40 L.F.	43 L.F.	"
8" T&V	1 EA.	1 EA.	WHEELER CO. / BELAIR ROAD SUPPLY
Fire Hydrants	3 EA.	3 EA.	"
1" WHC	102 L.F.	108 L.F.	HONELL METAL / " "
3/4" WHC	424 L.F.	423 L.F.	"
8" Sewer	1099 L.F.	1099 L.F.	J-M CORP. / " "
Manholes	65 V.F.	6 EA.	PRECAST CONCRETE / ATLANTIC CORP.
6" SHC	332 L.F.	521 L.F.	J-M CORP. / BELAIR ROAD SUPPLY

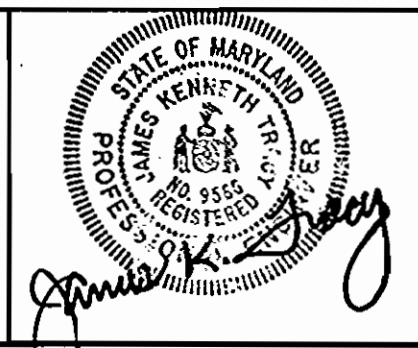
<p>DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND</p> <p><i>Jane M. Nelson</i> 4/3/89 DIRECTOR OF PUBLIC WORKS DATE</p> <p><i>Robert W. Bennett</i> 3-30-89 CHIEF, BUREAU OF UTILITIES DATE</p>	<p>TRACY, SCHULTE & ASSOCIATES INC. planning · architecture · engineering 8480 Baltimore National Pike · Suite 418 Ellicott City, Maryland 21043</p>	<p>DES: JLR DRN: JLR CHK: RJW DATE: 10-28-88</p>	<p>REVISED W.H.C. TO LOTS 133/134 TO SINGLE W.H.C. REV. LOT NO.'S 4 ADDED ROAD DATA.</p> <p>DATE: 3-14-89 BY: NO. REVISION DATE</p>	<p>60' SCALE MAP NO. 47 BLOCK NO. 22</p>	<p>PLAN OF WATER AND SEWER MAINS</p>	<p>CURRY PROPERTY SECTION I, AREA I ELECTION DISTRICT NO. 6 CONTRACT NO. 24-1881-D</p>	<p>SCALE AS SHOWN</p> <p>SHEET 1 OF 2</p>
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PROFILE
H 1" = 50'
SCALE V 1" = 5'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

TRACY, SCHULTE & ASSOCIATES, INC.
planning · architecture · engineering
8480 Baltimore National Pike · Suite 418
Ellicott City, Maryland 21043



DES: JLR				
DRN: JLR				
CHK: RJW				
DATE: 10-28-88	BY:	NO.:	REVISION:	DATE:
3-14-89				

PROFILE OF WATER AND SEWER MAINS

600' SCALE MAP NO. 47 BLOCK NO. 22

CURRY PROPERTY SECTION I, AREA I
ELECTION DISTRICT NO. 6
CONTRACT NO. 24-1881-D

SCALE AS SHOWN

SHEET 2 OF 2

AS-BUILT, AUGUST 29, 1989