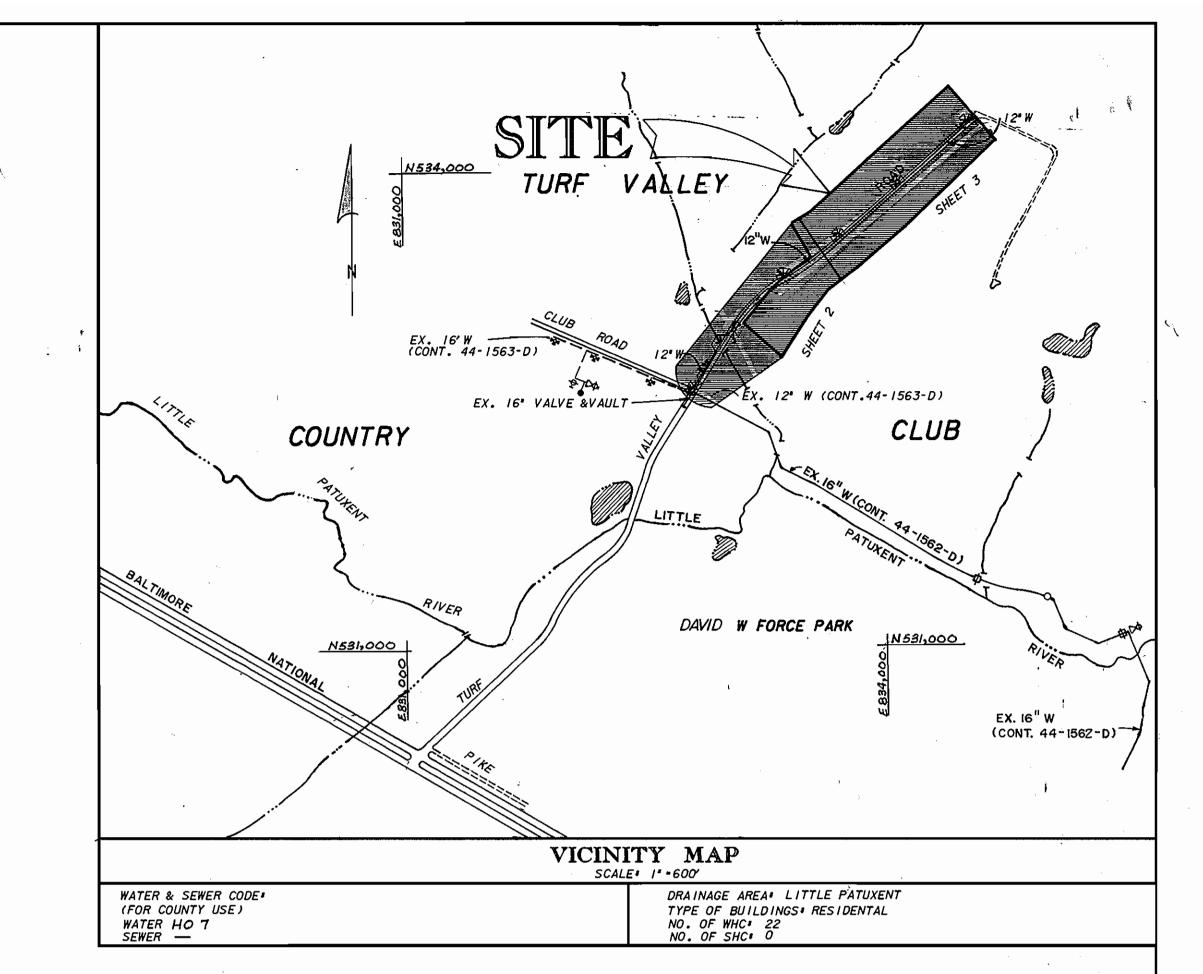
	'	QU.	ANT IT IES	,
ITEM		BID	AS-BUILT	MATERIAL / SUPPLIER
12" D.I.P. WATER	LF	2380		·
5.0' FIRE HYDRANT	EA.	3		
4.5' FIRE HYDRANT	EA.	1		1
6.5' FIRE HYDRANT	EA.	. 2	`	
12" X 6" T	EA.	6		!
6° VALVE	EA.	6		
1,2" - 1/8 BEND	EA.	6		
12" PLUG	EA.	3		
AIR RELEASE M.H.	EA.	1		
12ª VALVE	EA.	3		
BLOW OFF	EA.	1	į	:
6* D.I.P	LF	80		
-				İ
I" W.H.C.	LF	<i>650</i>		
1 1/2" W.H.C.	LF	80		
101 0 1 0 0011100				

TURF VALLEY ROAD WATER MAIN HOWARD COUNTY, MARYLAND DEPARTMENT OF PUBLIC WORKS CONTRACT NO. 44-1949 CAPITAL PROJECT W-8166



CLEAR ALL UTILITIES BY A MINIMUM OF 6%. CLEAR ALL POLES BY 2 -0 MINIMUM OR TUNNEL AS REQUIRED.

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

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 SHOWN ON THESE PLANS

BALTIMORE GAS & ELECTRIC CO. -BALTIMORE GAS & ELECTRIC CO. -

COLONIAL PIPELINE CO.

TROUBLE SHOOTING 298-9001

BUREAU OF UTILITIES, 992-2366 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS 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

CONTRACTOR SHALL REMOVE TREES, STUMPS AND ROOTS ALONG LINE OF EXCAVATION. ALL WATER MAINS TO BE D.I.P. UNLESS OTHERWISE NOTED.

TOPS OF ALL WATER MAINS TO HAVE A MINIMUM OF 3-1/2 COVER UNLESS OTHERWISE

13. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES. 14. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE

WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS. 15. FIRE HYDRANTS SHALL BE SET TO THE BURY LINE 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 SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000.03.19 OF THE STANDARD SPECIFICATIONS

16. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING 17. ALL WATER HOUSE CONNECTIONS SHALL BE FOR AN INSIDE METER SETTING, UNLESS

OTHERWISE NOTED. 18. EXTEND PIPE AS NECESSARY TO INSTALL PLUG FOR BLOCKING, WHERE WATER MAINS

ORIGINAL GROUND OVER WATER AND SEWER WAS TAKEN APRIL 1989

STRAW BALE DIKES AND SILT FENCES ARE INTERCHANGEABLE. ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH A.W.W.A. SPECIFICATION C-153, DUCTILE IRON COMPACT FITTINGS, 3 INCH THROUGH 12 INCH FOR WATER AND

OTHER LIQUIDS. ALL SERVICE CLAMPS ARE TO HAVE STAINLESS STEEL STRAPS

ALL HOUSE CONNECTIONS SHALL BE OPEN CUT. THE CONTRACTOR SHALL CONTACT MR. LOUIS MANGIONE, MANGIONE ENTERPRISES (301-825-8400) TO ARRANGE A MEETING TO DISCUSS THE REMOVAL AND REPLACEMENT OF TREES LOCATED WITHIN THE RIGHT-OF-WAY THRU TURF VALLEY COUNTRY CLUB.

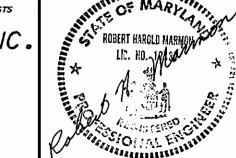
DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND

BEFORE BEGINNING CONSTRUCTION, CONTACT

ENGINEERS-ARCHITECTS-PLANNERS-SCIENTISTS-SURVEYORS-PHOTOGRAMMETRISTS GREENHORNE & O'MARA, INC. 113 WEST ROAD, SUITE 208 BALTIMORE, MD. 21204

PHONE (301) 296-4100



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k 5	DRN: D.T.W				
1 122					
	CHK: R.H.M			·	
5 4."	DATE:5/10/89	KRS	1	ADD NOTE 24, REV. QUANTITIES	8-249
	DATE:5/10/89	BY	NO.	REVISIONS	DATE

PLAN FOR WATER MAIN EXTENSION

BLOCK NO. 12, 17, 18

600' SCALE MAP NO. 16

TURF VALLEY ROAD WATER MAIN CAPITAL PROJECT NOW-8166 CONTRACT NO.44-1949 SECOND ELECTION DISTRICT HOWARD CO., MARYLAND

SCALE AS SHEET

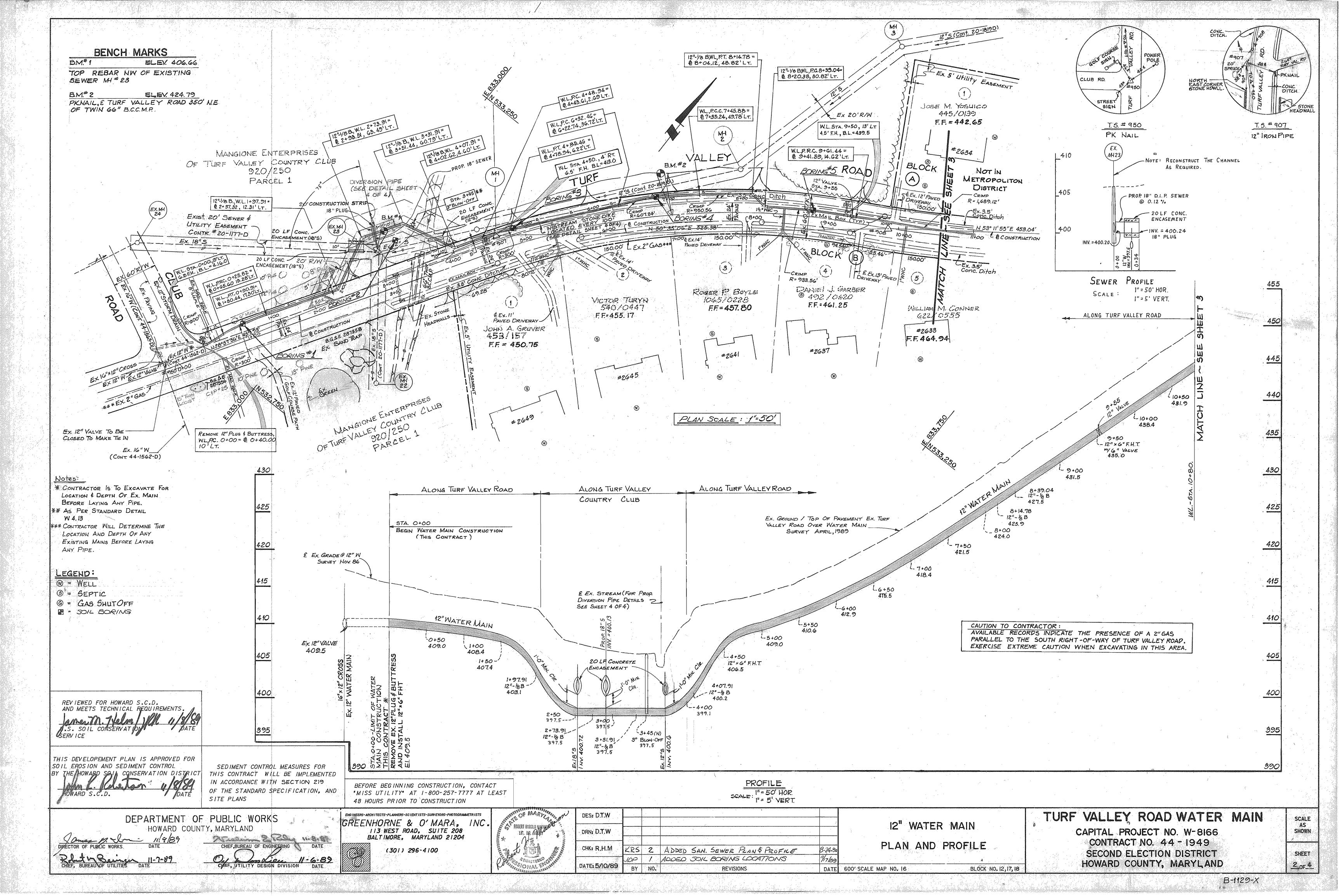
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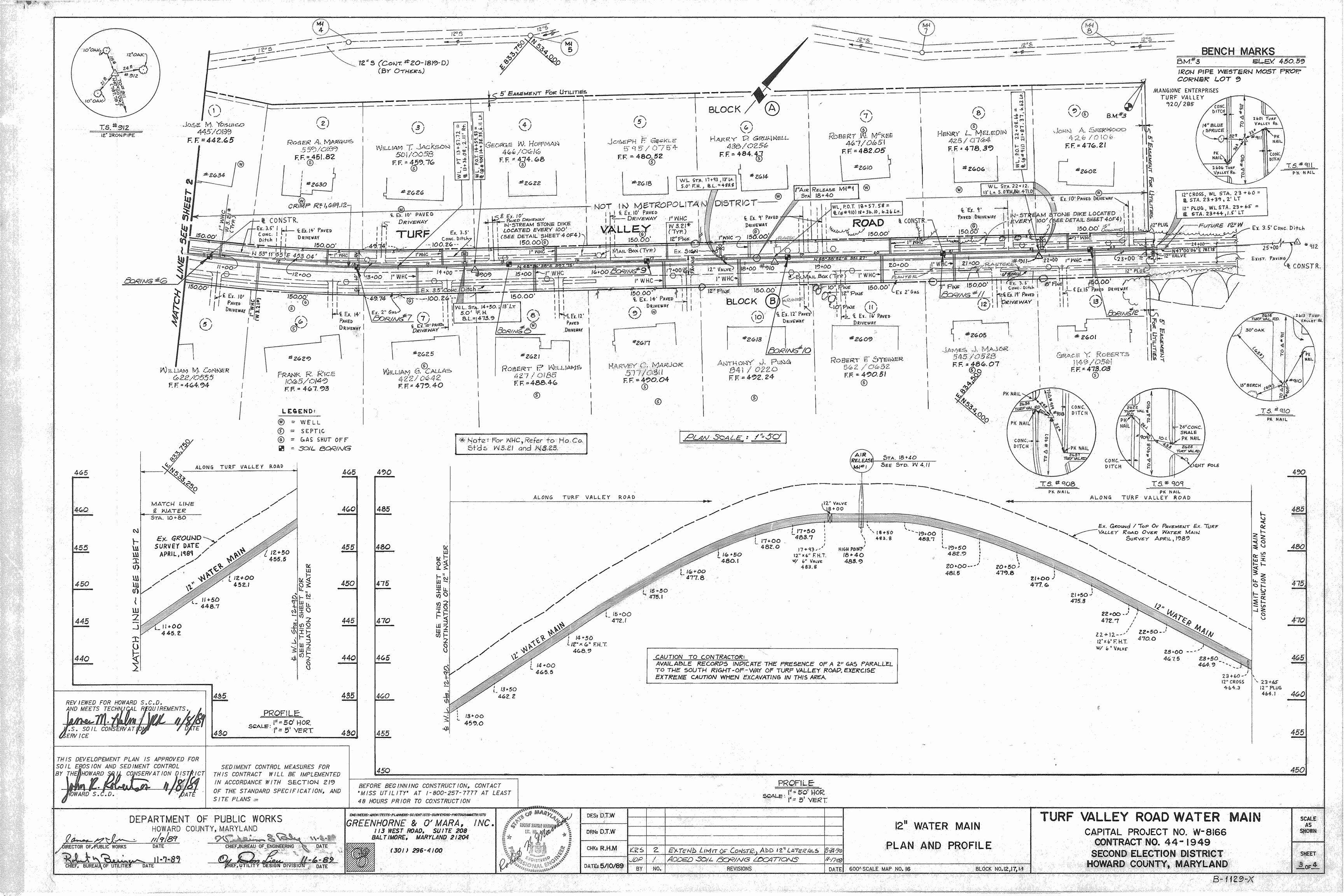
REVIEWED FOR HOWARD S.C.D.

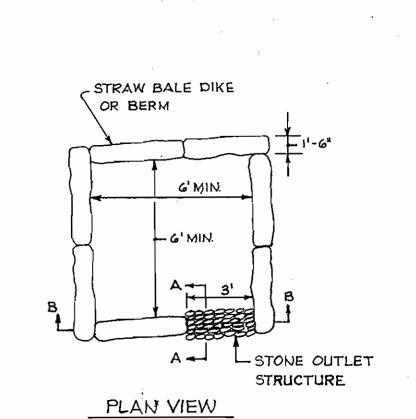
THIS DEVELOPEMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE STANDARD SPECIFICATION, AND SITE PLANS

"MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO CONSTRUCTION







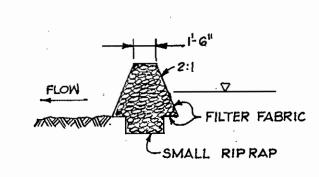
DEWATERING BASIN

NOT TO SCALE

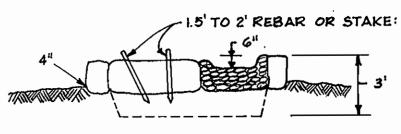
The work shall consist of the construction of a dewatering basin for the purpose of receiving sediment-laden water pumped from a construction site to allow filtration before the water re-enters the waterway.

II. Material Specifications

- Riprap: Riprap shall consist of a 4-8 inch washed stone or
- Filter Fabric: The filter cloth shall be a woven or nonwoven fabric consisting only of a continuous chain polymeric filaments or yarns of polyester. The fabric shall be inert to commonly encountered chemicals, hydro-carbons, mildew, and rot resistant. No. 6 stone (AASHTO 57) may be used on the
- inner-face for filtering instead of fabric. Strawbales: Strawbales shall meet the criteria as specified in the Maryland Standards and Specifications for Soil Erosions and Sediment Control.



SECTION AA



SECTION BB

III. Construction Requirements

- The contractor shall install all sediment and erosion control devices a the first order of business.
- Excavated materials shall be stored such that sediments are prevented from entering the waterway; i.e.; sediment
- perimeter controls may be necessary. Excavated subsoil and topsoil shall be kept separate and
- replaced in their natural order. 4. Any dewatering of the construction area shall be filtered
- The dewatering basin shall be excavated to a minimum depth of 6. Once the dewartering basin becomes filled to 1/2 of the

through a dewartering basin prior to entering the waterway.

- excavated depth, accumulated sediment shall be removed and disposed of in a SCD approved disposal area outside the 100year floodplain unless otherwise approved on the plans by the
- Sediment control devices are to remain in place until all disturbed areas are stabilized and the inspecting authority approves their removal. All ground contours shall be returned to their original condition unless specifically approved otherwise by the Administration.

I. WOVEN WIRE FENCE TO BE FASTENED SECURELY POSTS: STEEL EITHER T OR U TO FENCE POSTS WITH WIRE TIES OR STAPLES.

2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24 AT TOP AND MID SECTION.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

SILT FENCE

NOT TO SCALE

PERSPECTIVE VIEW

WOVEN WIRE FENCE (14/2GA.MIN.MAX.

6" MESH SPACING) WITH FILTER CLOTH OVER -

4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN

BULGES DEVELOP IN THE SILT FENCE.

EMBED FILTER CLOTH

MIN.8" INTO GROUND --

10 MAX.C.TO C. SPACING) WIRE FENCE (MIN.14/2GAUGE.MAX .6 MESH

-36 MIN.FENCE POST

HEIGHT OF FILTER

36 MIN. FENCE POSTS, DRIVEN MIN.

I6" INTO GROUND

-UNDISTURBED GROUND

- FILTER CLOTH: FILTER X. 3. WHEN TWO SECTIONS OF FILTER CLOTH MIRAFI IOOX.STABILINKA ADJOIN EACH OTHER THEY SHALL BE OVER-TI4ON OR APPROVED EQUAL. LAPPED BY SIX INCHES AND FOLDED.
 - PREFABRICATED UNIT: GEOFAB, ENVIROFENCE,OR APPROVED FOUAL.

DIVERSION PIPE NOT TO SCALE

(2ft min)

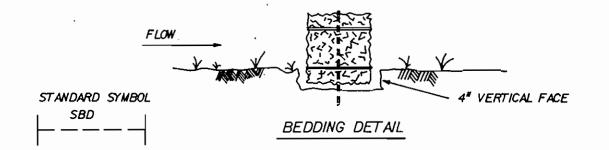
H/2+1ft

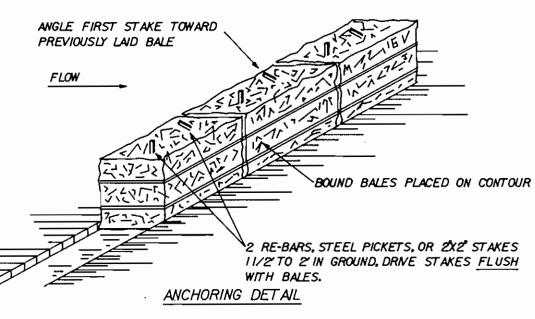
DIVERSIONS

FENCE: WOVEN WIRE.14 GA.

6 MAX.MESH OPENING

STRAW BALE DIKE NOT TO SCALE



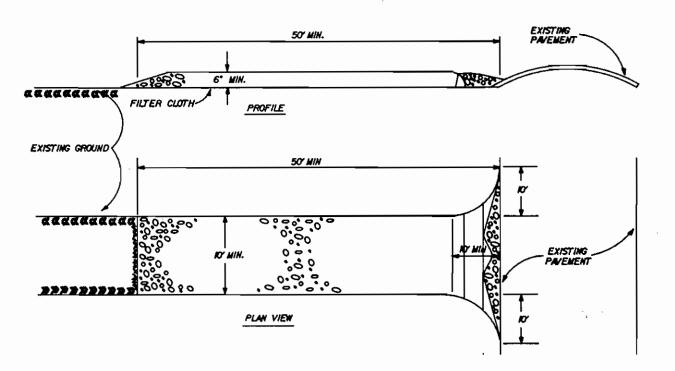


CONSTRUCTION SPECIFICATIONS

- I. BALES SHALL BE PLACED AT THE TOE OF A SLDPE OR ON THE CONTOUR AND IN A ROW WITH ENDS TIGHTLY ABUTTING THE ADJACENT BALES.
- 2. EACH BALE SHALL BE EMBEDDED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO
- 3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAKES OR RE-BARS DRNEN THROUGH THE BALE. THE FIRST STAKE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER, STAKES SHALL BE DRNEN FLUSH WITH THE BALE.
- 4. INSPECTION SHALL BE FREQUENT AND REPAIR REPLACEMENT SHALL BE MADE PROMPTLY AS
- 5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULLNESS SO AS NOT TO BLOCK 'IMPEED STORM FLOW OR DRAINAGE.

STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE

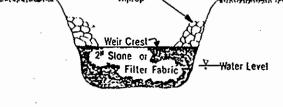
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CONSTRUCTION SPECIFICATIONS

- I. STONE SIZE USE 2 STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- 2. LENGTH AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY). 3. THICKNESS NOT LESS THAN SIX (6) INCHES.
- 4. WIDTH TEN (10) FOOT MINIMUM, BUTNOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OR EGRESS OCCURS.
- 5. FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER CLOTH WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- 6, SURFACE WATER ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE.
- 7. MAINTENANCE THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAYS, THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED HIMEDIATELY.
- 8. WASHING WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE OF PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- 9. PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAINS

IN-STREAM STONE TO SCALE Basket (3 × 3) GABION BASKET ALTERNATIV



REVIEWED FOR HOWARD S.C.D.

AND MEETS TECHNICAL REQUIREMENTS

THIS DEVELOPEMENT PLAN IS APPROVED FOR

SOIL EROSION AND SEDIMENT CONTROL

Description

The work encompasses the Installation of an In-stream stone dike to be used as a sediment filtering device for streams that generally carry well weather flow.

II. Material Specifications

- 1. Small Riprap 8-12 inch washed stone
- and gravel shall be used. 2. Filter Fabric - The filter cloth shall be a woven or non-woven fabric consisting only of continuous chain polymeric filaments or yarns of polyester. The fabric shall be inert to commonly encountered chemicals, hydrocarbons, mildew, and rot resistant. A one foot layer of 2" washed stone may be used instead of
- filter fabric. 3. Gabion Baskets - Class I gabion baskets shall meet the requirements listed in WPD3.2.

111. Construction Requirements

Structure to be installed in-stream as first order of business to trap

DIVERSIONZ

- 2. The top width of the dike is to be from
- 3. The distance between the dike and the
- 4. Gabion baskets may be used in lieu of small riprap as indicated by
- all disturbed areas have been stabilized in accordance with an approved sediment and erosion control
- year floodplain unless otherwise approved on the nions by the WRA.

- sediment generated during construction activitles.
- 2-4 feet.
- disturbance is to be determined by flow rate of the waterway.
- alternative section. 5. Structure is to remain in place until
- 6. Entrapped sediment is to be excavated periodically and disposed of in a SCD approved disposal area outside the 100-
- 7. Structure can be removed once approved by Inspecting authority.

BEFORE BEGINNING CONSTRUCTION, CONTACT

"MISS UTILITY" AT 1-800-257-7777 AT LEAST

SANDBAG /STONE

DIVERSIONS **

DEWATERING

BASIN

The work shall consist of installing a flow diversion structure when construction activities take place within the stream channel such as culvert construction or culvert replacement.

IMPERVIOUS

SHEETING

GRADE

DISTURBED

AREA

Material Specifications

- Sandbags: Sandbags shall consist of materials which are resistant to ultra-violet radiation, tearing and puncture and woven tightly enough to prevent leakage of fill material (i.e., sand. fine gravel, etc.).
- Stone: Stone shall be washed and have a minimum diameter of 6 inches. Sheeting: Sheeting shall consist of polyethylene or other material which is impervious and resistant to puncture and tearing.

III. Construction Requirements

All erosion and sediment control devices shall be installed as the first order of work. 2. The height of the sandbag/stone diversion structure shall be one half

the distance from the stream bed to the bank plus one foot, as

- indicated in section a:a. The sandbag shall be placed on a smooth, 3. All excavated materials shall be disposed of in a SCD approved disposal area outside the 100-year floodplain unless otherwise approved on the
- 4. All dewatering of the construction area shall be pumped to a dewatering basin (Plate WPD1.1) or otherwise approved on the plans by
- 5. Sheeting shall be overlapped a minimum of 18 inches. The diversion pipe shall have a minimum diameter of sufficient size to
- If necessary, slit fence or strawbales shall be installed around the perimeter of the work area.
- Sediment control devices are to remain in place until all disturbed areas are stabilized and the inspecting authority approves their removal.

SEQUENCE OF CONSTRUCTION

convey the normal stream flow.

1. Obtain sediment control permit.

plans by the WRA.

- Construct stabilized construction entrance as shown on plan. Clear and grub the areas necessary to construct the sediment control
- measures, then construct all sediment control measures. Construct water main. As construction approaches stream crossing, place the diversion pipe structure with all dewatering of the construction area being pumped to the dewatering basin. Backfill trench as construction proceeds and stabilize all disturbed areas.
- Upon completion of construction, fill in dewatering basin. Remove all sediment control measures and stabilize any remaining areas.

I. A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION. ALL VEGETATION AND STRUCTURAL PRACTICES ARE TO

SEDIMENT CONTROL NOTES

- INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN A) 7 CALENDAR DAYS FOR ALL PERMINENT SEDIMENT CONTROL STRUCTURES, DIKES, PERMINENT SLOPES AND ALL SLOPES GREATER THAN 3º 1 B) 14 DAYS AS TO ALL OTHER
- DISTURBED OR GRADED AREAS ON THE PROJECT SITE. 4. ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. I, CHAPTER 12, OF HOWARD COUNTY DESIGN MANUAL, STORM
- DRA INAGE. 5. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECOIFIED ABOVED IN ACCORDANCE WITHIN THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMINENT SEEDINGS (SEC. 51) SOD (SEC. 54), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 52) TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECCOMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTAB-LISHMENT OF GRASSES.
- 6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 7. SITE ANALYSIS.
 - TOTAL AREA OF SITE 0.54 AREAS DISTURBED 0.27 ACRES AREA TO BE ROOFED OR PAVED 0.18 ACRES AREA TO BE VEGETATIVELY STABILIZED 0.09 ACRES
- TOTAL CUT NA CU. YDS. TOTAL FILL NA CU. YDS. OFFSITE WASTE/ AREA LOCATION TO BE PROVIDED BY CONTRACTOR.
- 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF

- DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR. IO. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUESTED UPON COMPLETION OF
- INSTALLATION OF PERIMETER EROSION AND SEDIMENT CONTROLS, BUT BEFORE PROCEEDING WITH ANY OTHER EARTH DISTURBANCE OR GRADING. OTHER BUILDING OR GRADING INSPECTION APPROVALS MAY BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent long-lived vegetative cover is needed. Seedbed Preparation: Loosen upper three inches of soll by raking, discing or other acceptable means before seeding.

- Soil Amendments! In lieu of soil test recommendations, use one of the following
- I Preferred Apply 2 tons per acre dolomitic limestone (92 lbs/1000 square ft) and 600 lbs per acre 10-10-10 fertillzer (14 lbs/100 sq ft) before seeding. Harrow or disc into upper three inches of soil. At time of seeding, apply 400 ibs per acre 30-0-0 ureaform fertilizer (91bs/100 sq ft) before seeding. Harrow or disc into upper three inches of soll.
- Acceptable Apply 2 tons per acre dolomitic limestone (92 lbs/1000 sq ft) and 1000 per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Harrow or disc into upper three inches of soil.

Seeding - For the periods March | thru April 30, and August | thru October 15, seed with 60 lbs per acre (i.4 lbs/1000 sq ft) of Kentucky 31 Tali Fescue. For the period May I thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (lbs/1000 sq ft) of weeping lovegrass. During the period of October 16 thru February , protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use sod. Option (3) Seed with 60 lbs/acre Kentucky 3! Tall Fescue and mulch with

2 tons/ocre well anchored straw. Mulching - Apply I 1/2 to 2 tons per dore (70 to 90 lbs/100 sq ft) of unrofted small grain strow immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool of 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes 8 feet or higher, use 348 gallons per acre (8 gai/1000 sq ft) for achoring. Maintenance - inspect all seeded areas and make needed repairs, replacements and

TEMPORARY SEEDING NOTES

reseedings.

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed. Seedbed Preparation: Loosen upper three inches of soil be roking, discing or

other acceptable means before seeding. Soil Admendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) Seeding: For period March I thru April 30 and from August 15 thru November 15,

seed with 2 i/2 bushel per acre of annual rye (3.2 lbs/1000 sq ft). For the period May I thru August 14, seed with 3 lbs per acre of weeping lobegrass (.07 Ibs/1000 sq ft). For the period November 16 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use sod.

Muiching: Apply I 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gal per acre (5 gal/1000 sq ft) for anchor Ing.

Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

TURF VALLEY ROAD WATER MAIN

HOWARD CO., MARYLAND

DEPARTMENT OF PUBLIC WORKS

SITE PLANS

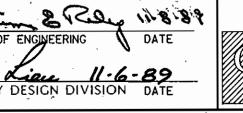
HOWARD COUNTY, MARYLAND

SEDIMENT CONTROL MEASURES FOR

THIS CONTRACT WILL BE IMPLEMENTED

OF THE STANDARD SPECIFICATION, AND

IN ACCORDANCE WITH SECTION 219



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GREENHORNE & O'MARA, INC 113 WEST-ROAD. SUITE 208 BALTIMORE, MARYLAND 21,204 (301) 296-4100

48 HOURS PRIOR TO CONSTRUCTION

ENGINEERS-ARCHITECTS-PLANNERS-SCIENTISTS-SURVEYORS-PHOTOGRAMMETRISTS



OF MARY

DRN: D.T.W CHK: R.H.M DATE: 5/10/89 BY NO. REVISIONS

SEDIMENT CONTROL DETAILS

CAPÍTAL PROJECT NO. W-8166 CONTRACT NO. 44-1949 SECOND ELECTION DISTRICT

SHEET <u>4</u>0F_4

SCALE

SHOWN

AS

DATE 600' SCALE MAP NO.

B-1129-X The state of the s