
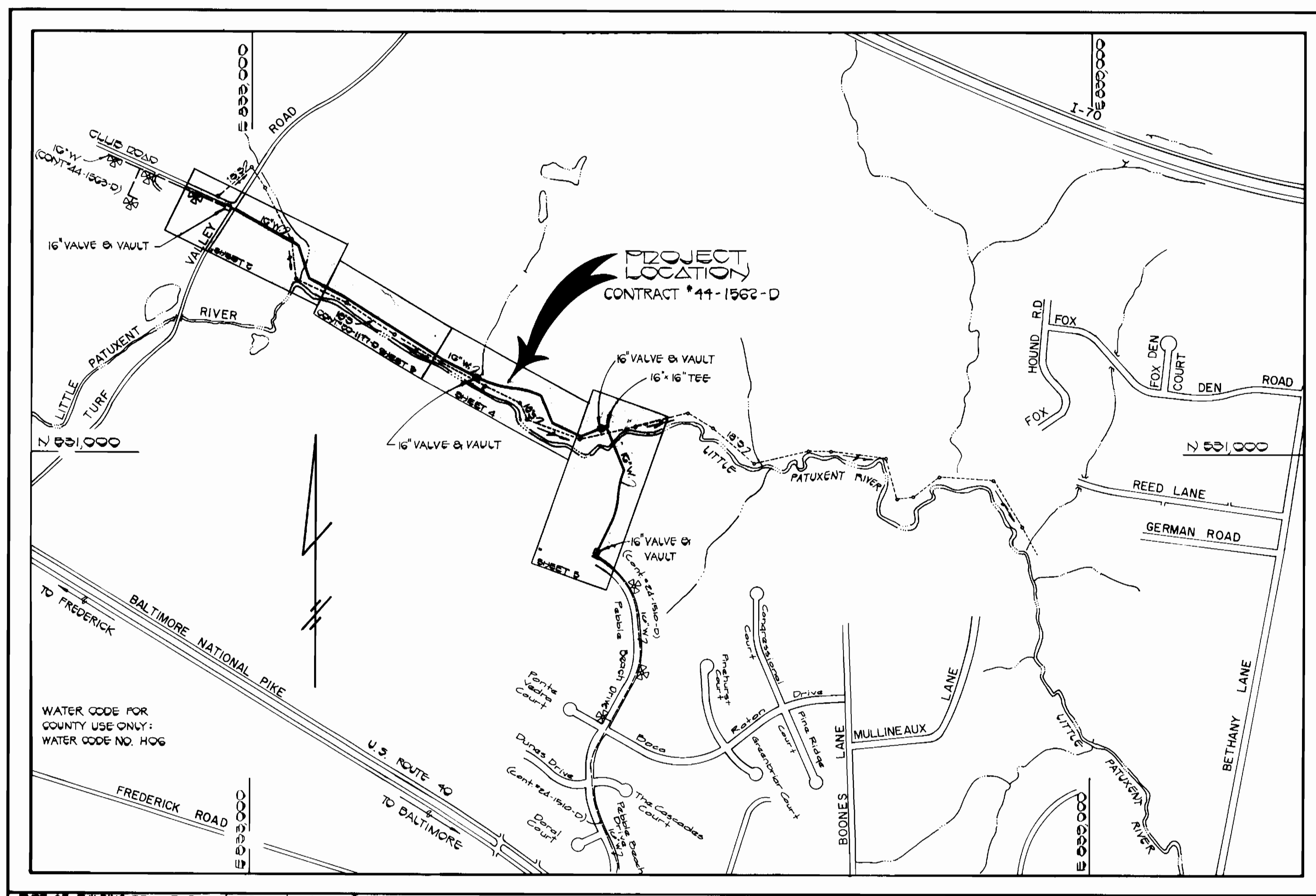


**GENERAL NOTES**

- 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.S. DATUM.
- ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 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. 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 VERIFIED BY THE CONTRACTOR TO HIS OWN SATISFACTION. ANY DAMAGE TO EXISTING FACILITIES DUE TO THE CONTRACTOR'S NEGLIGENCE SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
  - STATE HIGHWAY ADMINISTRATION : 531-5533
  - BALTIMORE GAS & ELECTRIC CO.-CONTRACTOR SERVICES: 850-4620
  - BALTIMORE GAS & ELECTRIC CO. UNDERGROUND SERVICE CONTROL: 859-9004
  - BALTIMORE GAS & ELECTRIC CO. TROUBLE SHOOTING: 298 9001
  - MISS UTILITY: 1-559-0100
  - COLONIAL PIPELINE COMPANY: 795-1390
  - BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS : 992-2366
  - C & P TELEPHONE COMPANY : 1-800-257-7777
- 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.
- 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 BUTTRESSED 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 STRAPPED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH STANDARD DETAILS. SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1003 AND 1008 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- FOR ALL COPPER WATER HOUSE CONNECTIONS, UTILIZE FLARED TYPED FITTINGS ONLY.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS. (STD. DETAIL W.3.21).
- WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED SO AS TO HAVE AT LEAST ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.



QUANTITIES			
ITEM	ESTIMATED	AS-BUILT	SUPPLIER
16" WATER	4250 L.F.	4250	A+P
16" VALVE & VAULT	3 EACH	3	Green Rd Supply
12" WATER	150 L.F.	150	A+P
12" VALVES	4 EACH	4	Delmar Rd Supply
AIR RELEASE VALVE & VAULT	3 EACH	3	Atlantic Gas Road
BLOW-OFF ASSEMBLY	2 EACH	2	A+P

TYPE OF BUILDING	COMMERCIAL / RESIDENTIAL
NUMBER OF LOTS	NOT APPLICABLE
NO. OF WATER HOUSE CONNECTIONS	0
NO. OF SEWER HOUSE CONNECTIONS	0
DRAINAGE AREA	LITTLE PATUXENT

VICINITY MAP  
SCALE: 1" = 600'

# CONTRACT NO. 44-1562-D

## TURF VALLEY WATER MAIN

### PEBBLE BEACH DRIVE TO TURF VALLEY ROAD

# HOWARD COUNTY, MARYLAND

## DEPARTMENT OF PUBLIC WORKS

WATER / SEWER CODF : H-07

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS.

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

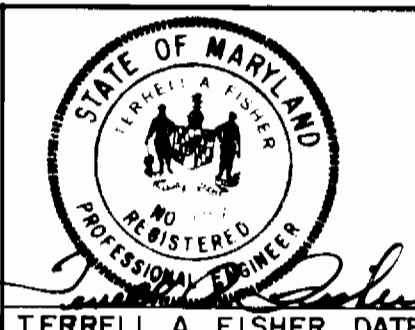
*John M. Little* 12-1-86  
US SOIL CONSERVATION SERVICE DATE

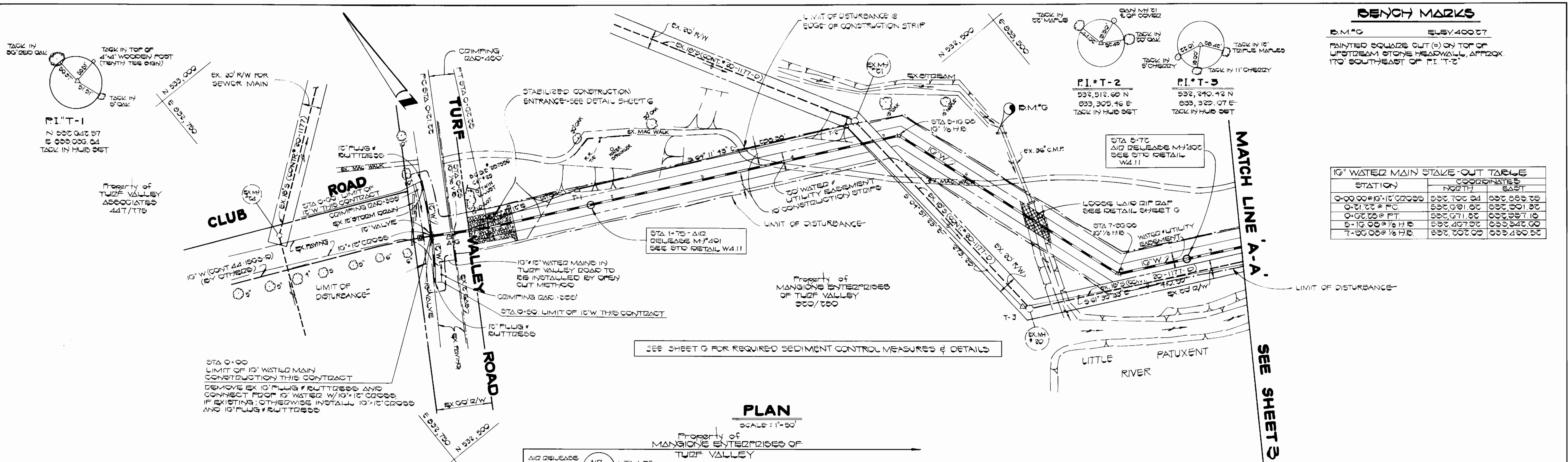
THIS DEVELOPMENT PLAN IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED:

*Stephen L. Fisher* 12-1-86  
HOWARD SOIL CONSERVATION DISTRICT DATE

CONTRACT NO. 44-1562-D  
TURF VALLEY WATER MAIN  
WATER MAIN EXTENSION  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND  <i>John F. Neuman</i> 12-2-86 DIRECTOR OF PUBLIC WORKS DATE  <i>Robert A. ...</i> 11-26-86 CHIEF, BUREAU OF UTILITIES DATE	FISHER, COLLINS, AND CARTER, INC. CONSULTING ENGINEERS AND LAND SURVEYORS 8388 COURT AVENUE ELLCOTT CITY, MARYLAND 21043   TERRELL A. FISHER DATE	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td>DES. P.W.K.</td> <td></td> </tr> <tr> <td>DRN. D.B.S. &amp; J.O.</td> <td></td> </tr> <tr> <td>CHK. T.A.F.</td> <td></td> </tr> <tr> <td>DATE: 11/26/86</td> <td>BY: NO.</td> </tr> </table>	DES. P.W.K.		DRN. D.B.S. & J.O.		CHK. T.A.F.		DATE: 11/26/86	BY: NO.	<table border="1" style="width: 100%; border-collapse: collapse;"> <tr> <td style="text-align: center;">TITLE SHEET</td> </tr> <tr> <td style="text-align: center;">TURF VALLEY WATER MAIN PEBBLE BEACH DRIVE TO TURF VALLEY ROAD CONTRACT NO. 44-1562-D SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND</td> </tr> <tr> <td style="text-align: right;">SCALE AS SHOWN  SHEET 1 OF 9</td> </tr> </table>	TITLE SHEET	TURF VALLEY WATER MAIN PEBBLE BEACH DRIVE TO TURF VALLEY ROAD CONTRACT NO. 44-1562-D SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN  SHEET 1 OF 9
DES. P.W.K.														
DRN. D.B.S. & J.O.														
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DATE: 11/26/86	BY: NO.													
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TURF VALLEY WATER MAIN PEBBLE BEACH DRIVE TO TURF VALLEY ROAD CONTRACT NO. 44-1562-D SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND														
SCALE AS SHOWN  SHEET 1 OF 9														



**BENCH MARKS**

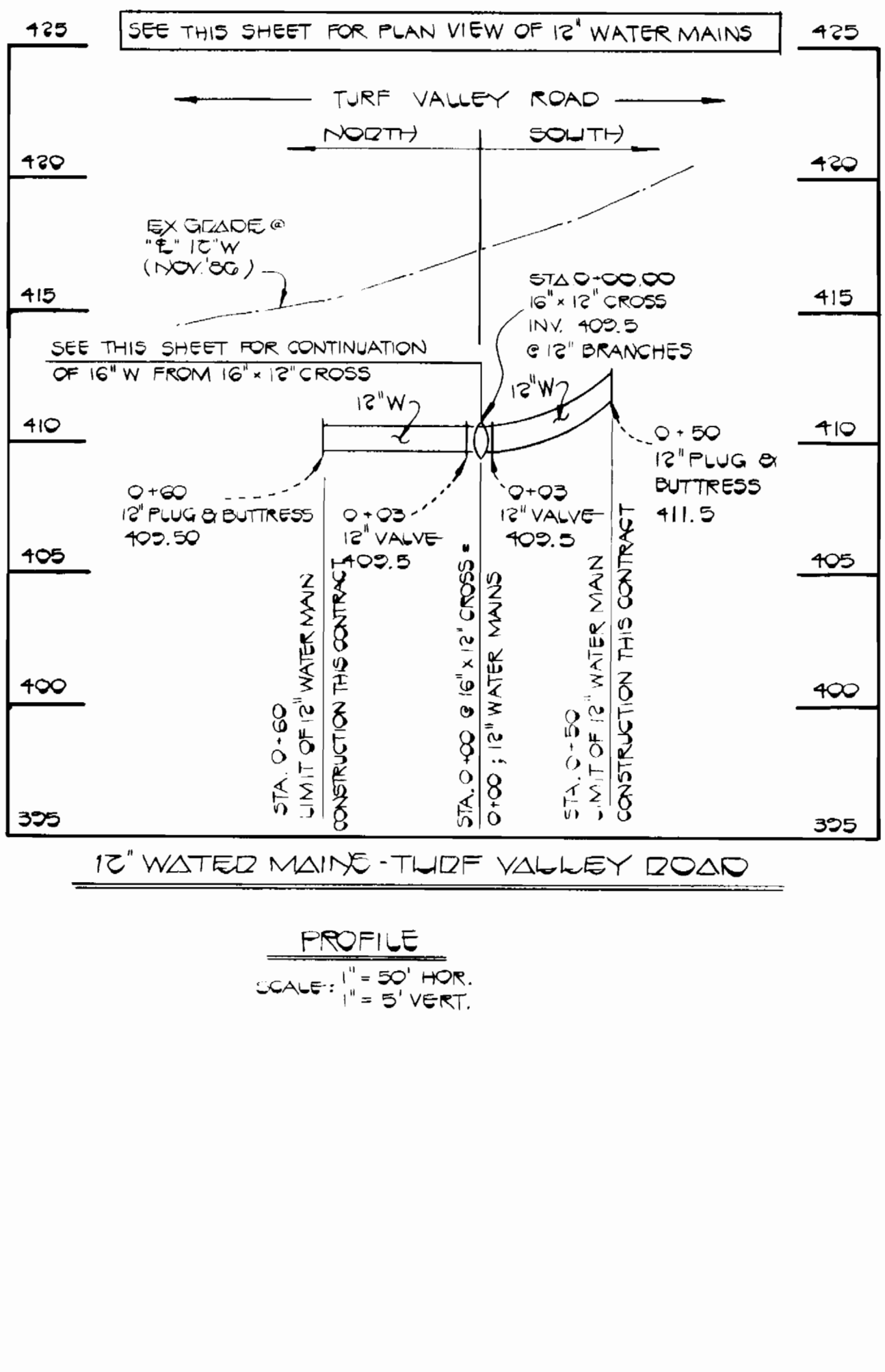
B.M.#	ELEVATION
B.M.#6	ELEV. 400.07

PAINTED SQUARE CUT (S) ON TOP OF UPSTREAM STONE HEADWALL, APPROX. 170' SOUTHWEST OF P.I. T-2

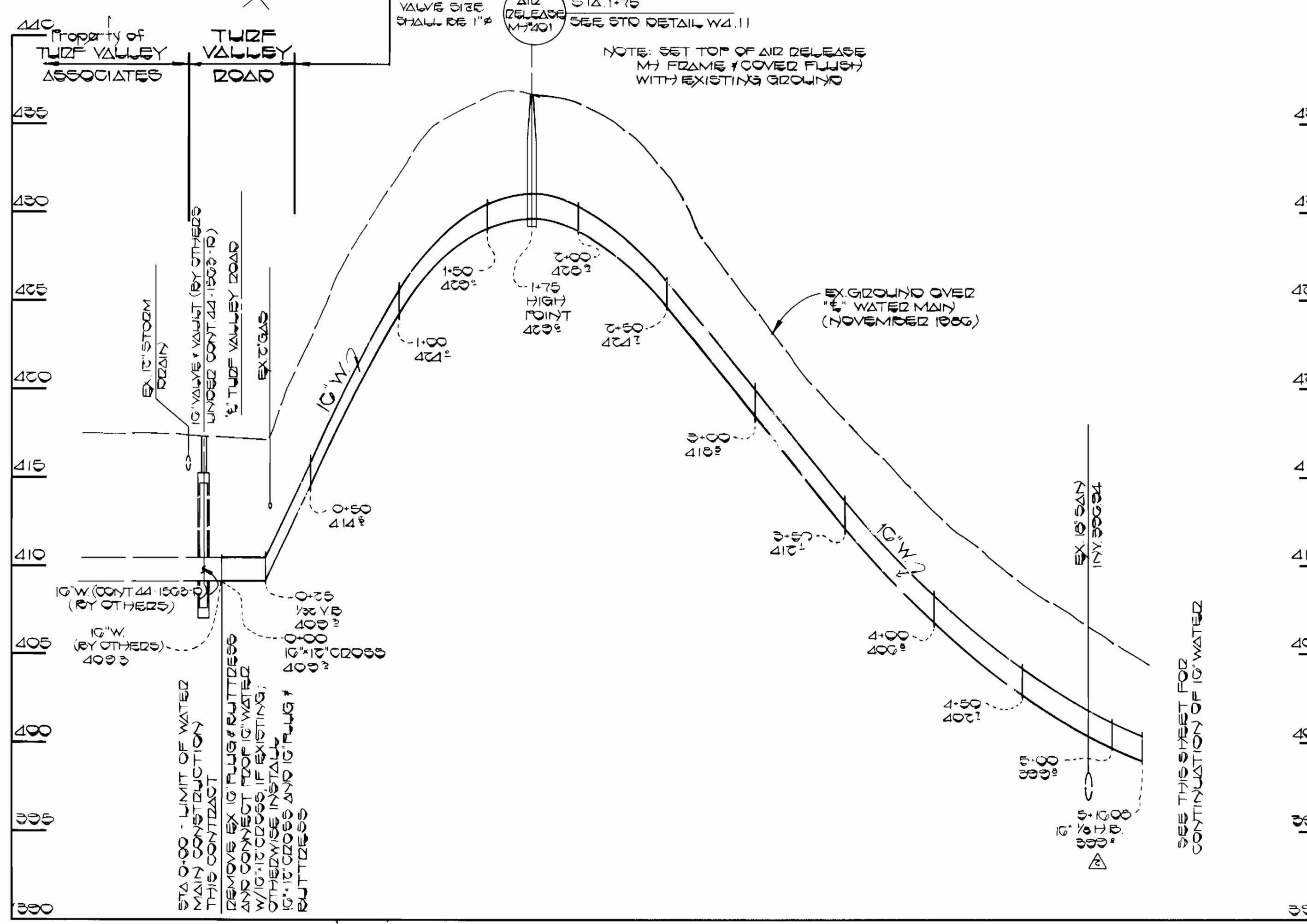
**10" WATER MAIN STAKE-OUT TABLE**

STATION	COORDINATES	
	NORTH	EAST
0+00 @ 10' x 12' CROSS	532,700.34	532,889.25
0+21.22 @ P.C.	532,691.82	532,901.32
0+62.00 @ P.T.	532,671.82	532,987.18
5+19.00 @ 1/2 H.B.	532,467.92	532,942.00
7+36.00 @ 1/2 H.B.	532,202.00	532,430.00

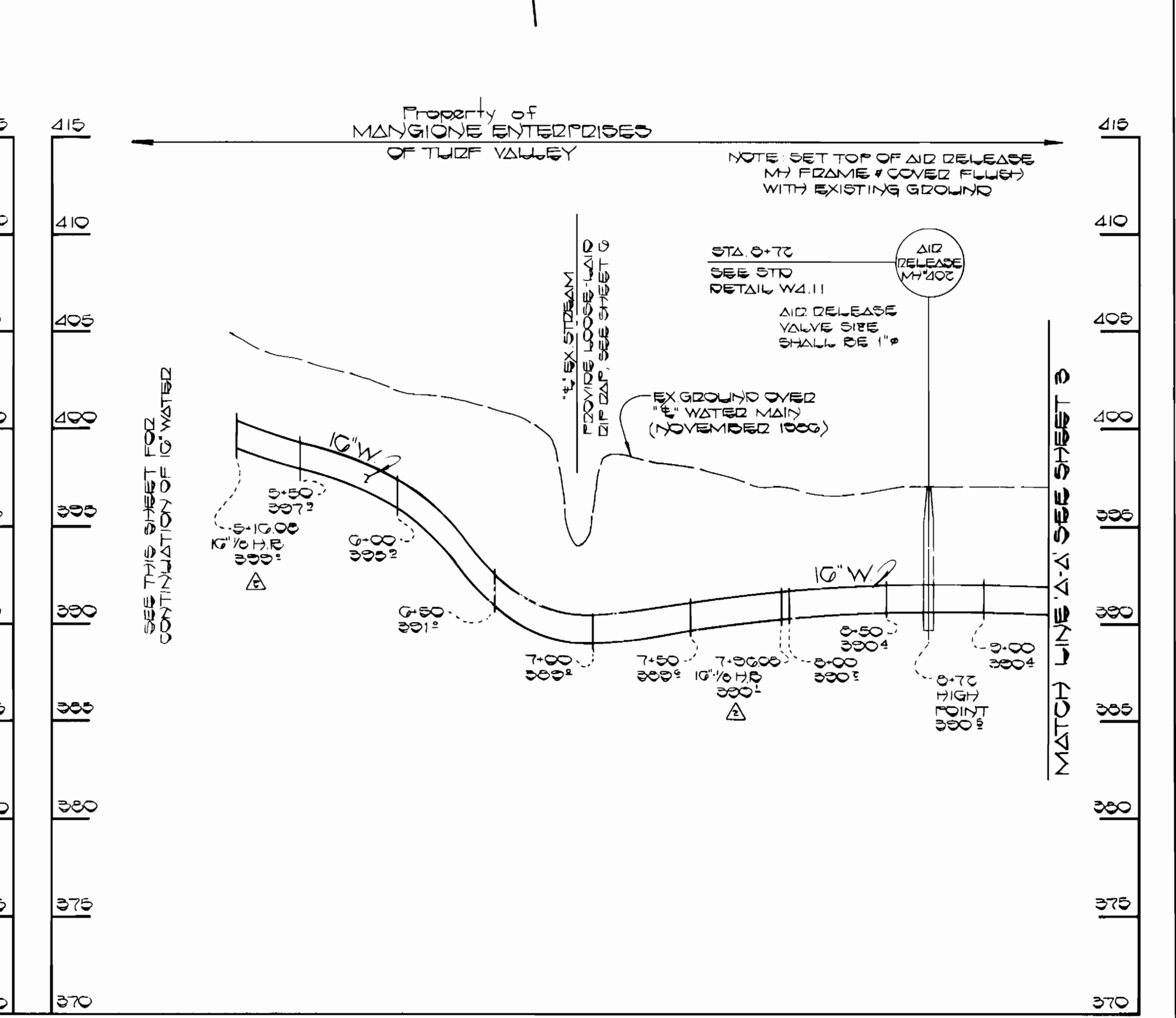
**PLAN**  
SCALE: 1" = 50'



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



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



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

CONTRACT NO. 44-1562-D  
TURF VALLEY WATER MAIN  
WATER MAIN EXTENSION  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*John F. Nalley*  
DIRECTOR OF PUBLIC WORKS  
DATE: 11-26-86

*William L. Fisher*  
CHIEF, BUREAU OF UTILITIES  
DATE: 11-26-86

FISHER, COLLINS, AND CARTER, INC.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
8388 COURT AVENUE  
ELLCOTT CITY, MARYLAND 21043

*Terrell A. Fisher*  
REGISTERED PROFESSIONAL ENGINEER  
DATE: 11/26/86



DES: P.W.K.	
DRN-QBS & J.O.	
CHK: T.A.F.	
DATE: 11/26/86	
BY: NO.	
REVISION	

**16" WATER MAIN  
PLAN AND PROFILE**

600' SCALE MAP NO. 16, 17 BLOCK NO.

**TURF VALLEY WATER MAIN  
PEBBLE BEACH DRIVE TO TURF VALLEY ROAD**

CONTRACT NO. 44-1562-D  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

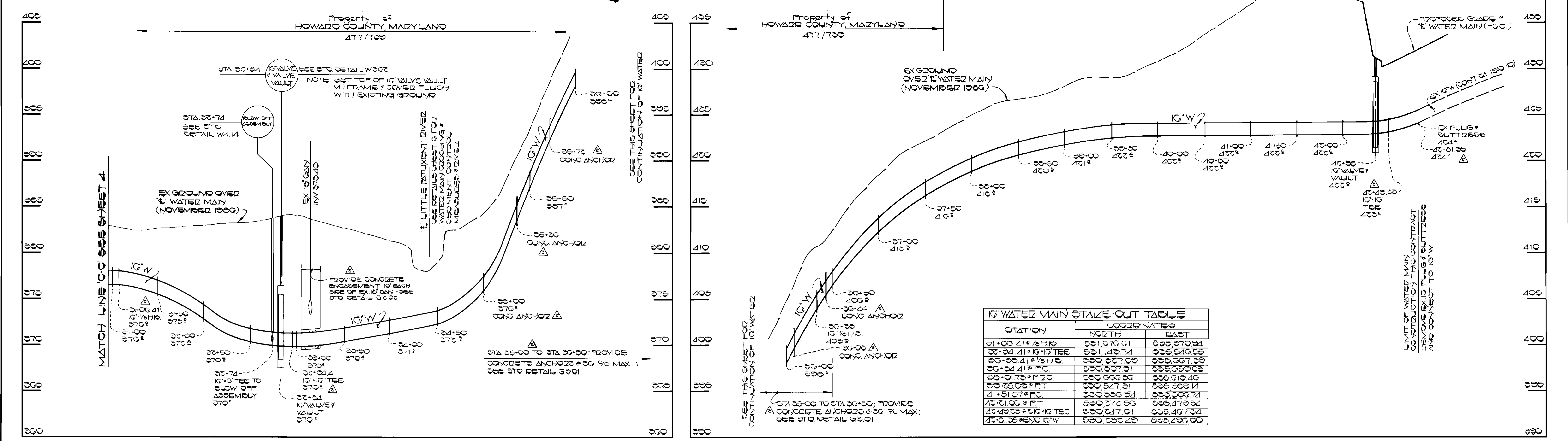
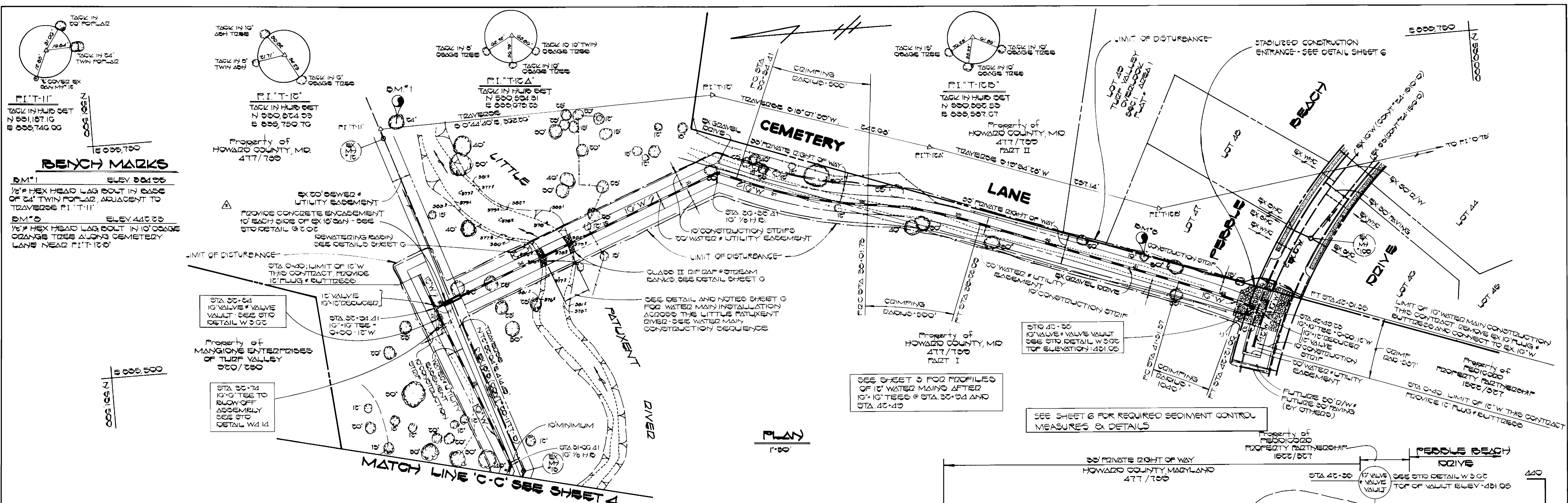
SCALE AS SHOWN  
SHEET 2 OF 2









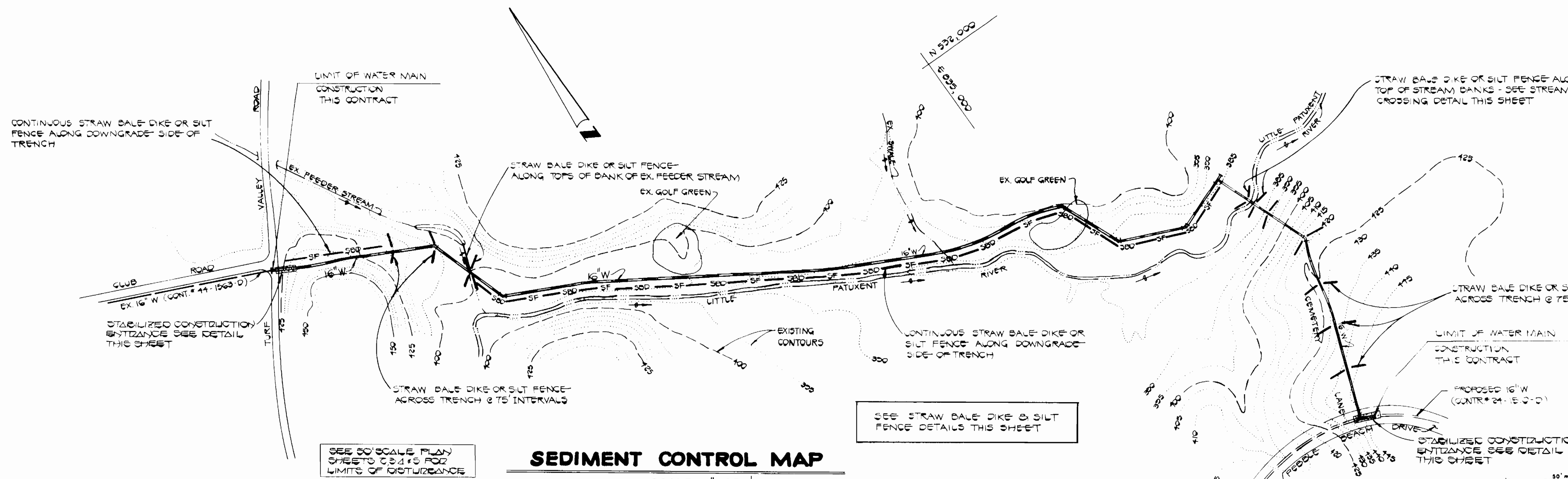


**16" WATER MAIN STAKE-OUT TABLE**

STATION	COORDINATES	
	NORTH	EAST
31+00.41 1/2 H.R.	531.970 01	635.370 94
32+04.41 1/2 H.R.	531.143 74	635.543 56
33+33.41 1/2 H.R.	530.027 00	635.067 89
33+54.41 1/2 H.R.	530.007 01	635.050 05
33+01.75 P.F.C.	530.066 59	635.119 49
33+25.05 P.F.T.	530.547 31	635.509 14
41+51.57 P.F.C.	530.356 34	635.506 74
42+01.00 P.F.T.	530.270 66	635.479 34
42+23.23 P.F. 10" TEE	530.217 01	635.497 34
42+31.35 END 10" W	530.232 20	635.493 00

<b>DEPARTMENT OF PUBLIC WORKS</b> HOWARD COUNTY, MARYLAND Director of Public Works: <i>[Signature]</i> DATE: 11-26-86 Chief, Bureau of Utilities: <i>[Signature]</i> DATE:	<b>FISHER, COLLINS AND CARTER, INC.</b> CONSULTING ENGINEERS AND LAND SURVEYORS 8388 COURT AVENUE ELLICOTT CITY, MARYLAND 21043 Terrell A. Fisher DATE:	DES: P.W.K. DRN: D.B.S. & J.O. CHK: T.A.F. DATE: 11/26/86	<b>16" WATER MAIN</b> <b>PLAN AND PROFILE</b>		<b>TURF VALLEY WATER MAIN</b> PEBBLE BEACH DRIVE TO TURF VALLEY ROAD CONTRACT NO. 44-1562-D SECOND ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 5 OF 9
			600' SCALE MAP NO. 16.17 BLOCK NO.			





**SEDIMENT CONTROL MAP**

SCALE: 1"=200'

**CONSTRUCTION REQUIREMENTS & SPECIFICATIONS FOR STREAM CROSSING**

1. ALL EROSION & SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF BUSINESS.
2. FLOW DIVERSION CULVERTS MUST BE SIZED TO ACCOMMODATE NORMAL STREAM FLOW.
3. THE FLOW BARRIERS SHALL BE CONSTRUCTED OF SANDWICH WASHED RIP-RAP OR OTHER APPROVED MATERIAL AS PER WPD 1. THE MATERIALS SHALL BE SIZED TO WITHSTAND NORMAL STREAM FLOW VELOCITIES.
4. ALL DOWNSPOUTING OF THE CONSTRUCTION AREA SHALL BE PUMPED TO A DEWATERING BASIN (WPD 1.1) PRIOR TO RE-ENTERING THE STREAM, SEE DETAILS THIS SHEET.
5. THE TEMPORARY CULVERT CROSSING SHALL BE CONSTRUCTED IN ACCORDANCE WITH STANDARD DETAIL (TAC-1), 1999 MARYLAND STANDARDS AND SPECIFICATIONS FOR SEDIMENT CONTROL.
6. SEDIMENT CONTROL DEVICES SHALL REMAIN IN PLACE UNTIL ALL DISTURBED AREAS HAVE BEEN STABILIZED IN ACCORDANCE WITH AN APPROVED SEDIMENT AND EROSION CONTROL PLAN AND THE INSPECTING AUTHORITY APPROVES THEIR REMOVAL.

**DIP RAP NOTES**

1. DIP RAP SHALL BE PLACED OVER ALL DISTURBED AREAS WITHIN THE FULL WIDTH OF THE RIGHT OF WAY AT THOSE LOCATIONS INDICATED ON THE DRAWINGS.
2. DIP RAP FOR PLACEMENT ALONG THE STREAM BANK AT THE SEWER MAIN CROSSING SHALL CONFORM TO THE SPECIFICATIONS FOR CLASS II STONE AND THE THICKNESS OF THE DIP RAP LAYER SHALL BE 1'0".
3. EROSION CONTROL FABRIC SHALL BE POLY FILTER-X AS MANUFACTURED BY CARTRIDGE MILLS, INC. OR EQUIVALENT MANUFACTURED BY STAFF INDUSTRIES, INC. OR EQUAL.

**LOOSE LAID DIP RAP DETAIL**

NO SCALE

**EROSION AND SEDIMENT CONTROL NOTES**

1. ALL SEDIMENT CONTROL OPERATIONS ARE TO BE DONE IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL AND THE STANDARDS AND SPECIFICATIONS FOR SEDIMENT CONTROL IN DEVELOPING AREAS.
2. ALL EROSION AND SEDIMENT CONTROL DEVICES SHALL BE INSTALLED AS THE FIRST ORDER OF BUSINESS.
3. ALL EXCAVATED MATERIAL SHALL BE STOCKPILED ON THE UPGRADE SIDE OF THE WATER MAIN TRENCH.
4. IMMEDIATELY FOLLOWING BACKFILL OF THE WATER MAIN TRENCH, ALL DISTURBED AREAS ARE TO BE STABILIZED IN ACCORDANCE WITH THE PERMANENT STABILIZATION AND SEEDING NOTES SHOWN ON THIS SHEET.
5. THROUGHOUT THE PROJECT, THE CONTRACTOR SHALL REGULARLY INSPECT ALL SEDIMENT CONTROL DEVICES AND PROVIDE ALL NECESSARY MAINTENANCE TO INSURE THAT ALL DEVICES ARE IN OPERATIVE CONDITION.
6. ALL SEDIMENT CONTROL FACILITIES SHALL REMAIN IN PLACE UNTIL PERMISSION FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.
7. SEE WATER MAIN CONSTRUCTION SEQUENCE THIS SHEET.
8. SEE WATER MAIN CONSTRUCTION SEQUENCE THIS SHEET FOR WATER MAIN INSTALLATION AND ACCESS ACROSS THE LITTLE PATUXENT RIVER.
9. SEE SEDIMENT CONTROL MAP (SCALE: 1"=200') ON THIS SHEET FOR SEDIMENT CONTROL DEVICES ALONG THE WATER MAIN INSTALLATION.

**STABILIZATION NOTES**

FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:

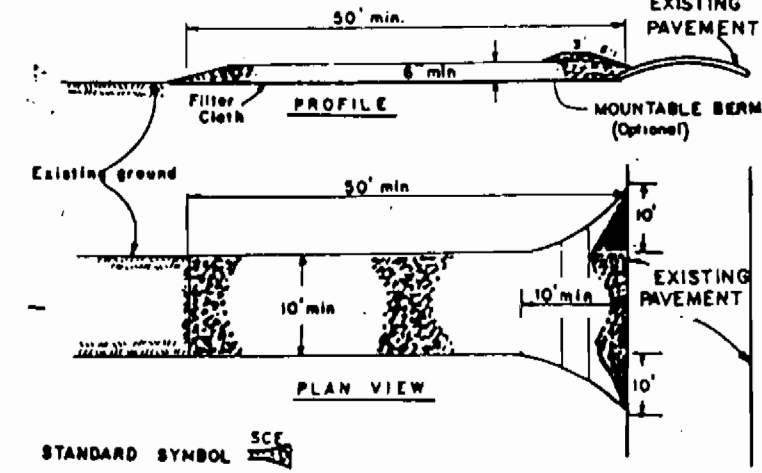
1. 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DICES, SHALES, DITCHES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
2. 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.

**PERMANENT STABILIZATION AND SEEDING NOTES**

1. REFERENCE SECTION 219 OF THE HOWARD COUNTY STANDARD SPECIFICATIONS FOR COMPLETE REQUIREMENTS REGARDING PERMANENT STABILIZATION AND SEEDING OF ALL DISTURBED AREAS.
2. REFERENCE PARAGRAPH 219.11 FOR EXECUTION REQUIREMENTS REGARDING PERMANENT SEEDING.
3. LIMESTONE: APPLY LIMESTONE AT THE RATE OF 1 1/2 TONS PER ACRE ON SANDY AND SILTY SOILS AND 2.3 TONS PER ACRE ON CLAY OR CLAY LOAM SOILS.
4. FERTILIZER: APPLY FERTILIZER AT THE RATE OF 600 POUNDS OF 0-20-20 PER ACRE WITH LIMESTONE APPLICATION (SEE ABOVE), IMMEDIATELY PRIOR TO SEEDING, APPLY 400 POUNDS OF 38-0-0 UREAFORM AND 500 POUNDS OF 10-20-20 PER ACRE. MIXTURES AND APPLICATION RATES AS SPECIFIED IN SUBPARAGRAPH 219.10-2.
5. MULCH: APPLY MULCH AT THE RATE OF 1 1/2 TONS PER ACRE OR WOOD CHIPS WITH A COVERAGE OF 1 1/2 INCHES IN DEPTH. MULCH SHALL BE ANCHORED WITH CUT-BACK AND EMULSIFIED ASPHALT APPLIED AT A RATE OF 5 GALLONS PER 1000 SQUARE FEET. REFERENCE SUBPARAGRAPH 219.10-6 FOR MULCH ANCHORING ALTERNATIVES.

**WATER MAIN CONSTRUCTION SEQUENCE**

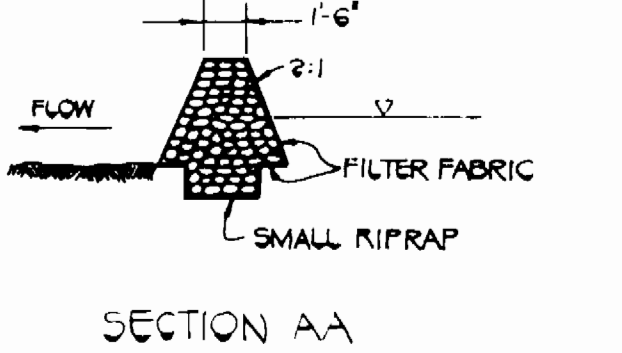
1. IMPLEMENT CONDITIONS & REQUIREMENTS OF THE TEMPORARY WATERWAY CONSTRUCTION PERMIT - SEE SPECIFICATIONS
2. INSTALL EROSION & SEDIMENT CONTROL DEVICES - SEE PLAN THIS SHEET
3. CLEAR & GRADE AS REQUIRED - WITHIN THE LIMITS OF THE WATER MAIN DEPTH OF WAY
4. EXCAVATE TRENCH - PLACE EXCAVATED MATERIAL ON THE UPGRADE SIDE OF THE WATER MAIN TRENCH
5. INSTALL WATER MAIN BACKFILL & COMPACT TRENCH IN ACCORDANCE WITH THE SPECIFICATIONS
6. FOR THE WATER MAIN INSTALLATION AT THE LITTLE PATUXENT RIVER, REFERENCE THE STREAM CROSSING DETAIL THIS SHEET & THE CONSTRUCTION REQUIREMENTS & SPECIFICATIONS FOR THE STREAM CROSSING
7. STABILIZE AND SEED ALL DISTURBED AREAS IN ACCORDANCE WITH THE NOTES SHOWN ON THIS SHEET
8. PLACE DIP RAP AT THE STREAM & SHALE CROSSINGS AS INDICATED ON THIS PLAN & IN ACCORDANCE WITH THE DETAIL
9. FOLLOWING SUCCESSFUL STABILIZATION AND UPON APPROVAL OF THE SOIL CONSERVATION DISTRICT INSPECTOR, REMOVE THE EROSION & SEDIMENT CONTROL DEVICES



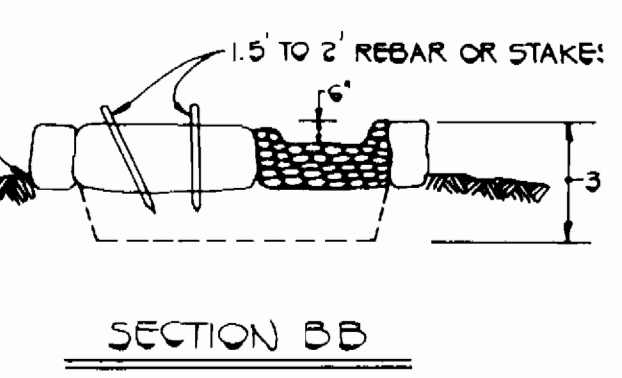
STANDARD SYMBOL SEE SPECIFICATIONS

1. Stone Size - Use 3" stone, or reclaimed or recycled concrete equivalent.
2. Spacing - As required, but not less than 3/8" (except on a single course) nor more than 1/2" (except on a single course).
3. Thickness - Not less than 18" (6" layers).
4. Width - One (1) foot minimum, but not 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 will not be required on a single course roadway lot.
6. Surface Water - All surface water flowing or directed toward construction entrances shall be piped across the entrance. If piping is impractical, a minimum slope with 3:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may include periodic top dressing with additional stone as conditions demand.
8. Installation - The entrance shall be installed in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may include periodic top dressing with additional stone as conditions demand.
9. Removal - When the entrance is no longer needed, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
10. Periodic inspection and needed maintenance shall be provided after each rain.

**STABILIZED CONSTRUCTION ENTRANCE**



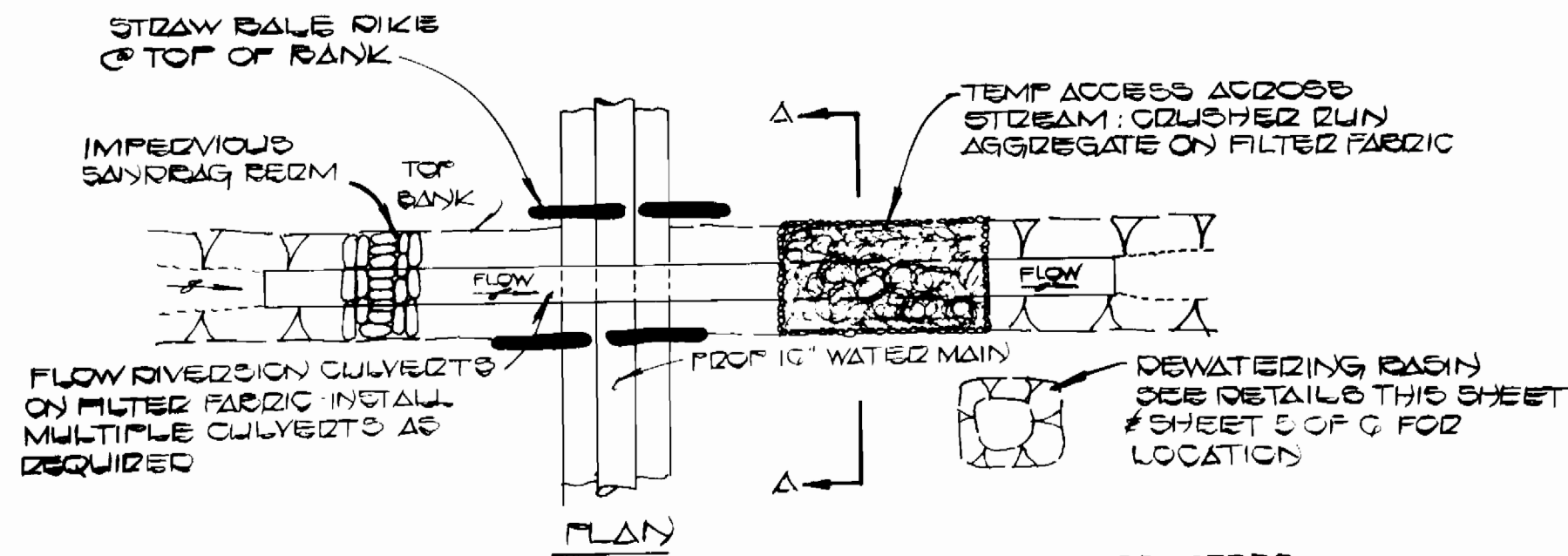
SECTION AA



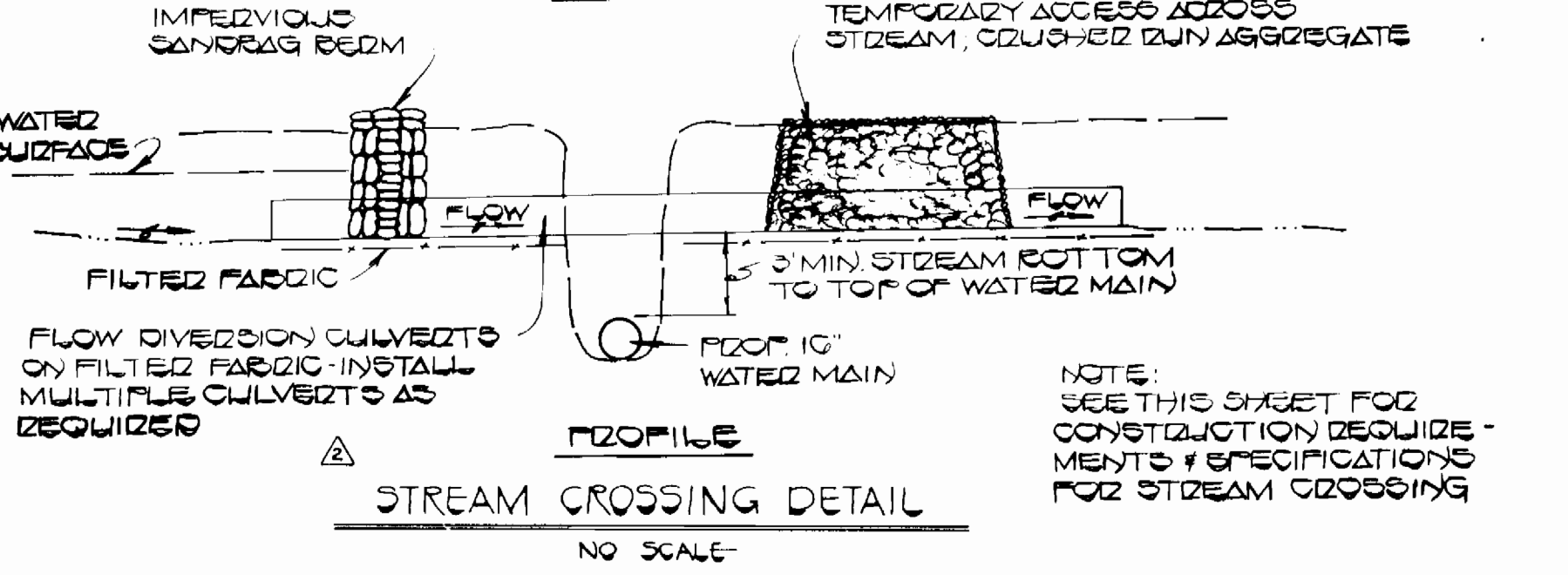
SECTION BB

- NOTES**
1. ALL DOWNSPOUTING OF THE CONSTRUCTION AREA DURING THE WATER MAIN INSTALLATION SHALL BE PUMPED TO A DEWATERING BASIN (WPD 1.1 - AS SHOWN ABOVE) PRIOR TO RE-ENTERING THE STREAM.
  2. SEE PLAN SHEET NO. 5 FOR LOCATION OF DEWATERING BASIN

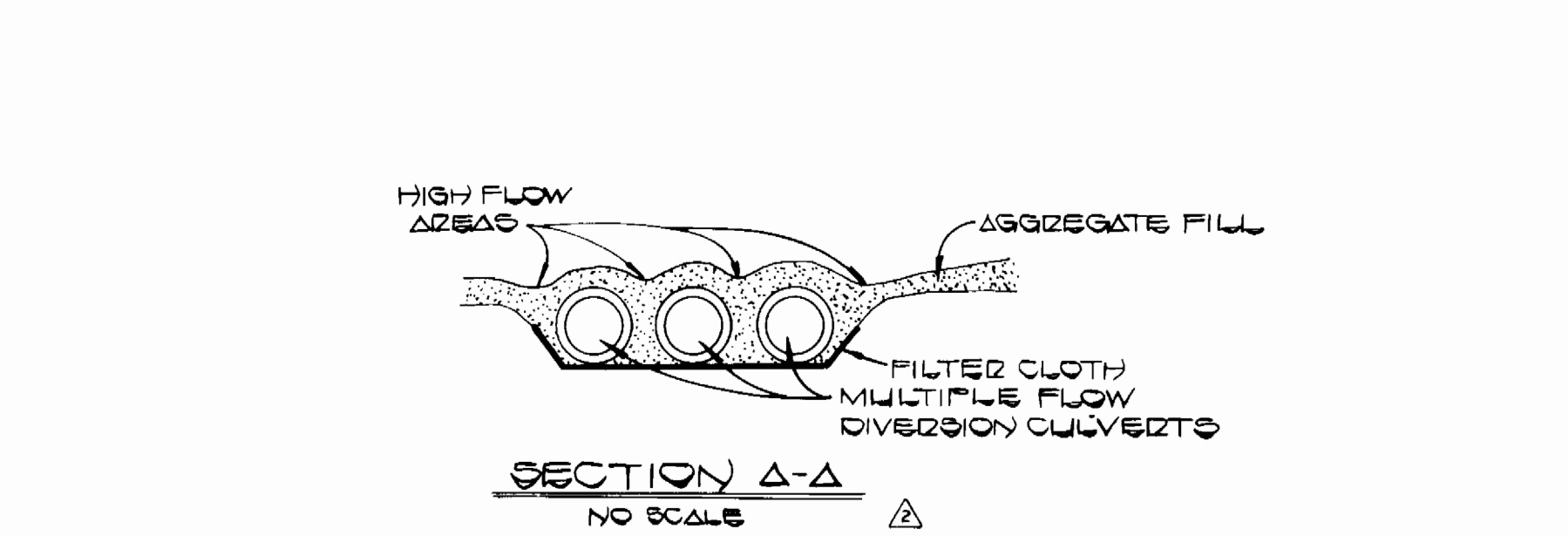
**DETAILS: DEWATERING BASIN**



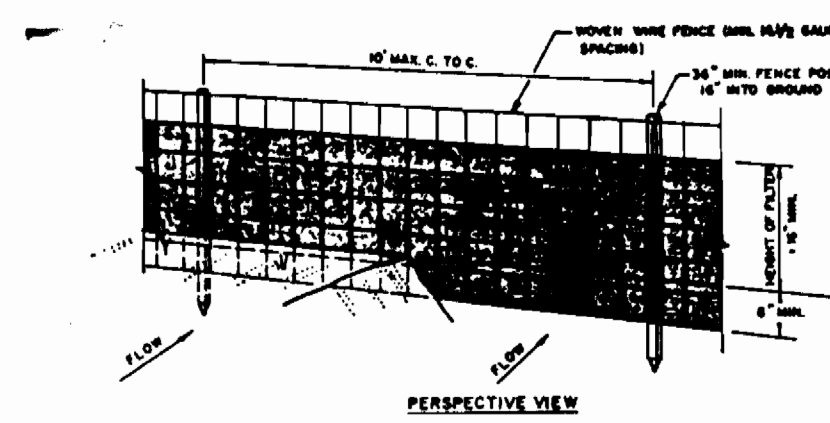
PLAN



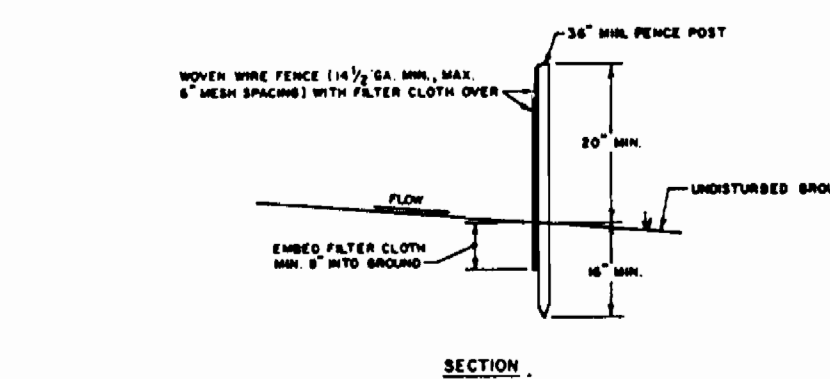
PROFILE



SECTION A-A



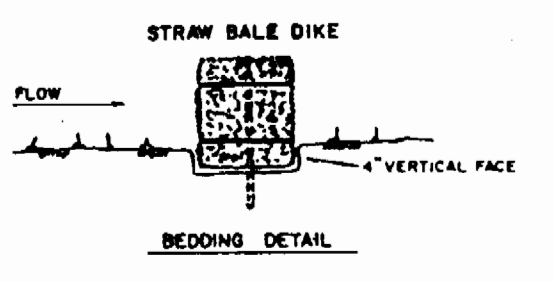
PERSPECTIVE VIEW



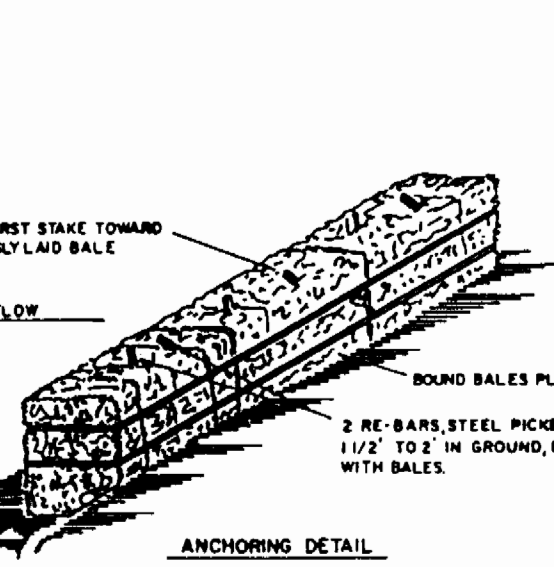
SECTION

**CONSTRUCTION NOTES FOR FABRICATED SILT FENCE**

1. WOOD WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOOD WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BUBBLES" DEVELOP IN THE SILT FENCE.



BEDDING DETAIL



ANCHORING DETAIL

1. BALES SHALL BE PLACED AT THE TOP OF A SLOPE OR ON THE CONTOUR AND IN A ROW WITH DICES TIGHTLY ABUTTING THE ADJACENT BALES.
2. EACH BALE SHALL BE BREWED IN THE SOIL A MINIMUM OF (4) INCHES, AND PLACED SO THE BINDINGS ARE HORIZONTAL.
3. BALES SHALL BE SECURELY ANCHORED IN PLACE BY EITHER TWO STAPLES OR RE-BARS DRIVEN THROUGH THE BALES. THE FIRST STAPLE IN EACH BALE SHALL BE DRIVEN TOWARD THE PREVIOUSLY LAID BALE AT AN ANGLE TO FORCE THE BALES TOGETHER. STAPLES SHALL BE DRIVEN FLUSH WITH THE BALE.
4. INSPECTION SHALL BE FREQUENT AND REPAIR/REPLACEMENT SHALL BE MADE PROMPTLY AS NEEDED.
5. BALES SHALL BE REMOVED WHEN THEY HAVE SERVED THEIR USEFULNESS SO AS NOT TO BLOCK OR IMPREDE STORM FLOW OR DRAINAGE.

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

12-2-16  
DATE

12-2-16  
DATE

FISHER, COLLINS, AND CARTER, INC.  
CONSULTING ENGINEERS AND LAND SURVEYORS  
8388 COURT AVENUE  
ELLCOTT CITY, MARYLAND 21043

TERRELL A. FISHER  
DATE

DES: P.W.K.  
DRN: DBS BJO  
CHK: T.A.F.

DATE: 11/10/16

REVISION

SEDIMENT CONTROL  
MAP & DETAILS

600' SCALE MAP NO. 16,17 BLOCK NO.

TURF VALLEY WATER MAIN  
PEBBLE BEACH DRIVE TO TURF VALLEY ROAD  
CONTRACT NO. 44-1562-D  
SECOND ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 2 OF 2

AS-BUILT 7/31/17