

UPTON ROAD WATER MAIN EXTENSION & ROUTINE SEWER MAIN EXTENSION HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

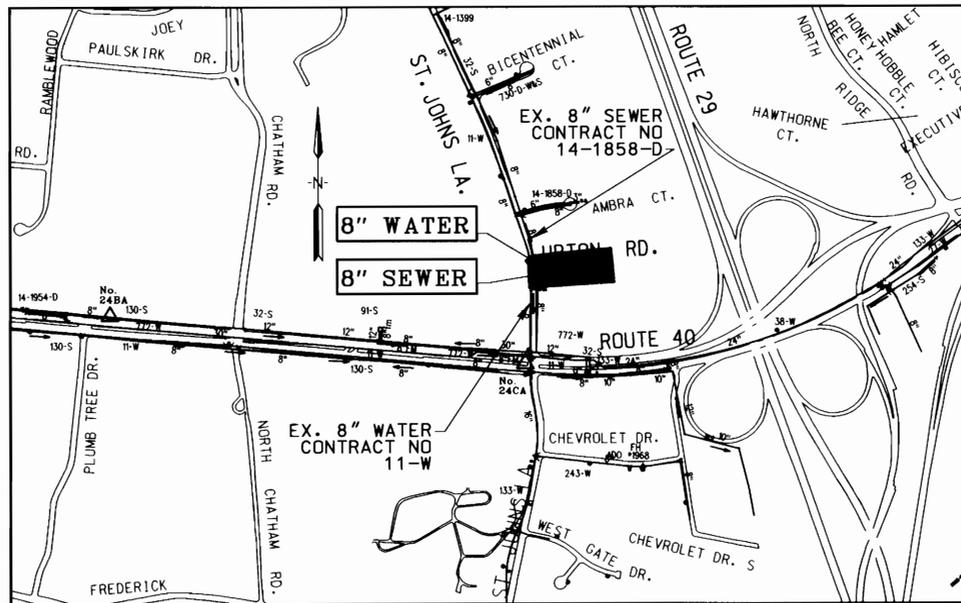
CAPITAL PROJECT No. W-8253, S-6698

CONTRACT No. 14-4106

GENERAL NOTES

1. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING UTILITIES AND SERVICES AND MAINTAIN UNINTERRUPTED SERVICE. ANY DAMAGE INCURRED SHALL BE REPAIRED IMMEDIATELY TO THE SATISFACTION OF THE ENGINEER AT THE CONTRACTOR EXPENSE.
2. ALL HORIZONTAL CONTROLS ARE BASED ON MARYLAND STATE COORDINATES, NAD 83/91.
3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM NGVD29
4. ALL PIPE ELEVATIONS SHOWN ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON THE PLANS.
5. CLEAR ALL UTILITIES BY A MINIMUM OF 12". CLEAR ALL POLES BY 5'-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.
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 JOB.
7. 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.
8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITY COMPANIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:

A&T.....	410-865-3803
B&C (CONTRACTOR SERVICES).....	410-850-4620
B&C - UNDERGROUND DAMAGE CONTROL.....	410-787-9068
BUREAU OF UTILITIES (DPW).....	410-313-4900
VERIZON.....	1-800-743-0033 / 410-224-9210
COLONIAL PIPELINE CO.....	410-795-1390
MISS UTILITY.....	1-800-257-7777
STATE HIGHWAY ADMINISTRATION.....	410-531-5533
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. 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.
11. 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 MAINS, 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.
12. ALL WATER MAINS SHALL BE D.I.P CLASS 52 UNLESS OTHERWISE NOTED.
13. TOPS OF ALL WATER MAINS SHALL HAVE A MINIMUM OF 3'-6" OF COVER UNLESS OTHERWISE NOTED.
14. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
15. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
16. FIRE HYDRANTS SHALL BE SET TO 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 1000 AND SECTION 1005 OF THE STANDARD SPECIFICATIONS.
17. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
18. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE VARIOUS BUSINESSES AND COORDINATING HIS WORK ACTIVITIES SO AS NOT TO NEGATIVELY IMPACT CONNECTED CUSTOMERS. THE REHABILITATION OF WATER MAIN SHALL CAUSE A MINIMUM DISTURBANCE TO THE EXISTING BUSINESSES AND NOTIFICATION TO THE BUSINESS OF ANY "INTERRUPTION OF SERVICE" SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COUNTY REQUIRES THAT THE CONTRACTOR NOTIFY EACH BUSINESS AFFECTED BY LETTER OR DOOR TAGS OF THE IMPENDING SERVICE INTERRUPTION AT LEAST 72 HOURS IN ADVANCE OF THE PLANNED INTERRUPTION.
19. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF UTILITIES HOWARD COUNTY, 15 DAYS PRIOR TO WATER MAIN SHUT DOWNS.
20. ALL SEWER MAINS SHALL BE PVC UNLESS OTHERWISE NOTED.
21. ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
22. THE CONTRACTOR SHALL PROVIDE SURVEY CONSTRUCTION STAKEOUT FOR ALL NECESSARY LINES, GRADES AND ELEVATION OF THE PROPOSED FACILITIES.



LOCATION MAP

SCALE: 1"= 600'

TYPE OF BUILDING: RESIDENTIAL
 NUMBER OF PARCELS: 3
 NUMBER OF SEWER HOUSE CONNECTIONS: 3
 NUMBER OF WATER HOUSE CONNECTIONS: 3
 DRAINAGE AREA: PATAPSCO
 SEWER CODE (FOR COUNTY USE ONLY) 1403700
 WATER CODE (FOR COUNTY USE ONLY) F06

HOWARD COUNTY GEODETIC SURVEY CONTROL
 NO. 24BA N 586783.250 E 1359211.698 ELEV. 386.36
 NO. 24CA N 586506.183 E 1361634.312 ELEV. 399.04
 NAD83(91) (HORIZONTAL)
 NGVD29 (VERTICAL)

INDEX OF SHEETS	
SHEET No.	DESCRIPTION
1	TITLE SHEET
2	PLAN AND PROFILE
3	EROSION & SEDIMENT CONTROL, NOTES & DETAILS

QUANTITIES				
ITEM	UNIT	ESTIMATE	AS-BUILT	MATERIAL SUPPLIER
8" DIP WATER	LF	308	308	AMSTEAD
6" DIP WATER	LF	99	126	
FIRE HYDRANT	EA	1	1	MUELLER
6" VALVE	EA	1	1	U.S. PIPE
BLOWOFF VALVE	EA	1	1	
1" WHC	LF	42	42 LF	K COPPER
8" PVC SEWER	LF	373	373 LF	J.M.
4" DIA STD MH	EA	1	1	ATLANTIC
4" DIA STD MH RISER	VF	1.5	1.5 VF	
TYPE 'B' DWP MH CONNECTION	EA	1	1	J.M.
4" TYPE 'A' DHC	VF	12.5	12.5 LF	
4" SHC	LF	35	35 LF	

NAME OF UTILITY CONTRACTOR:

CHECKBOX
AS-BUILT DATE:
SURVEY AND DRAFTING DIVISION

RESTORATION SCHEDULE		
LOCATION	DISTANCE	TYPE
WATER STATION CHD TO 3498	398 LF.	BITUMINOUS CONCRETE
EX. SMH 913 TO SMH 1	373 LF.	BITUMINOUS CONCRETE

LEGEND

	TRAVERSE POINT		EXISTING SAN SEWER
	SAN SEWER		EXISTING MANHOLE
	MANHOLE		EXISTING WATER MAIN
	SEWER HOUSE CONNECTION		EXISTING WATER MAIN
	WATER		EXISTING UNDER GROUND ELECTRIC
	WETLAND		EXISTING TELEPHONE
			DECIDUOUS TREE
			CONIFEROUS TREE

PLOTTED: 09:26 AM on Thursday, September 18, 2003
 By: Kevin Jackson, Division: Environmental/Engineering
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DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND	
 DIRECTOR OF PUBLIC WORKS DATE: 11-12-03	 CHIEF, BUREAU OF ENGINEERING DATE: 11-12-03
 CHIEF, BUREAU OF UTILITIES DATE: 11-12-03	 CHIEF, UTILITY DESIGN DIVISION DATE: 11-12-03

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DES: KAK			
DRN: KFJ			
CHK: TWW			
DATE: 9/03	KCI	1	AS-BUILT AS-BUILT DATA
BY: NO.			REVISION
DATE:			DATE

TITLE SHEET

600' SCALE MAP NO. 24 BLOCK NO. 5

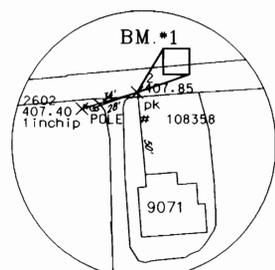
UPTON ROAD WATER MAIN EXTENSION & ROUTINE SEWER MAIN EXTENSION

CAPITAL PROJECT No. W-8253, S-6698
 CONTRACT No. 14-4106
 ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND

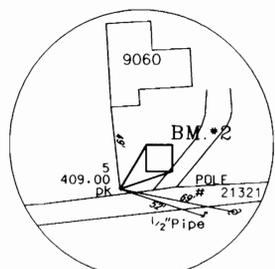
SCALE	AS SHOWN
SHEET	1 OF 3

FROM	TO	DIST
8+87.54	SMH 913	30'
9071 WMC	9071 SMC	40.5'
FHTV	F.H.	8.5'
9081 WMC	F.H.	71'
9060 WMC	F.H.V.	30'
9060 WMC	F.H.V.	26.9'
9060 WMC	9060 SMC	35'
BLOWOFF	BLOWOFF VALVE	6.2'
"	SMH 1	22.8'
EX. 8" S	SMH 1	13'
"	WMC	13'

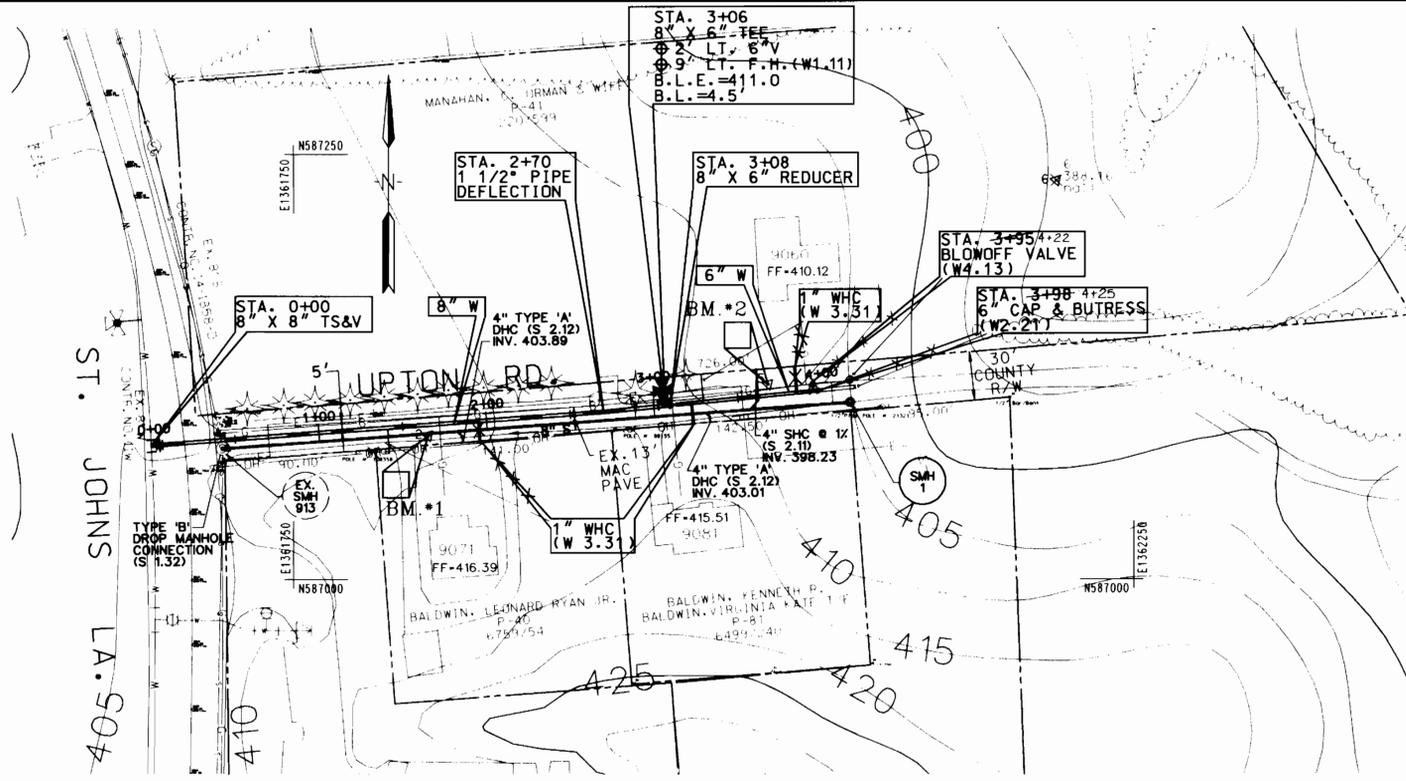
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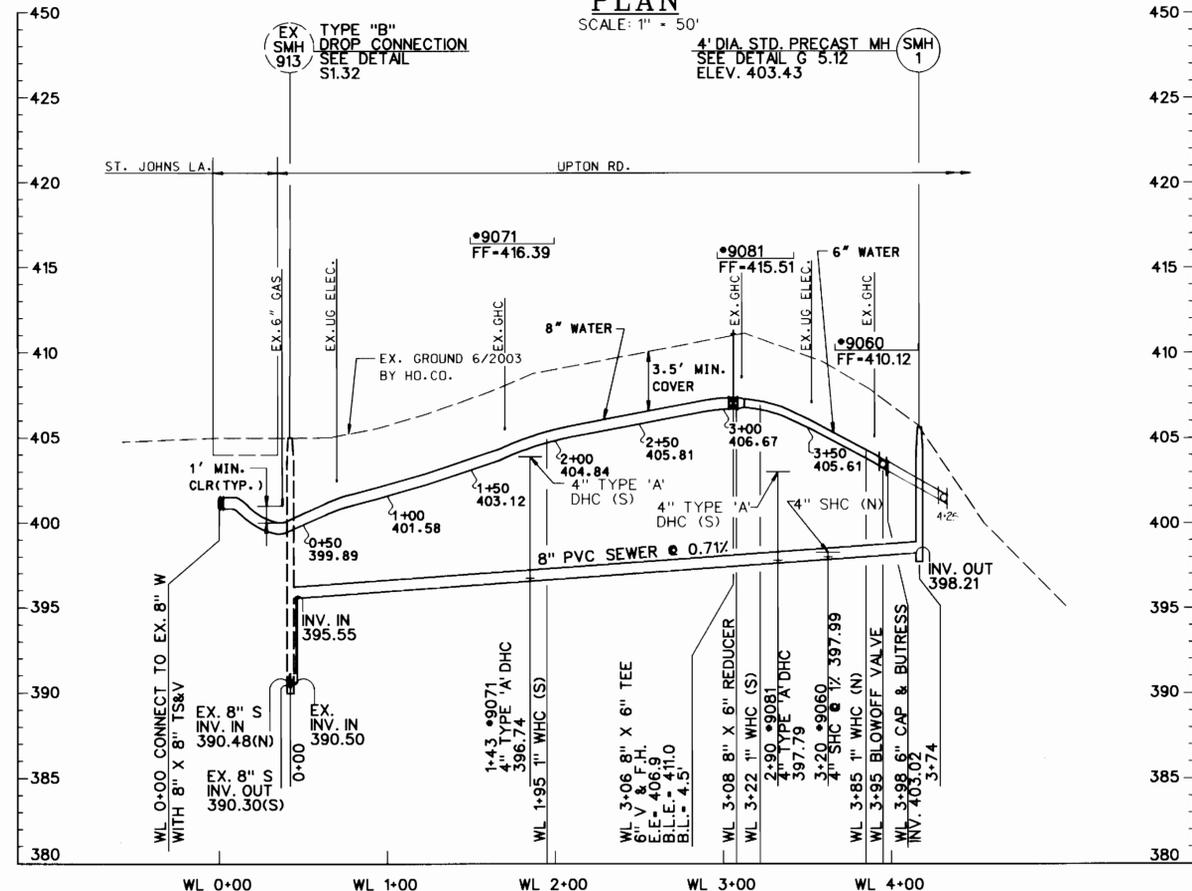
BENCH MARK #1
TRAVERSE #2
PK. ELEV. 407.85



BENCH MARK #2
TRAVERSE #5
PK. ELEV. 409.00



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HORIZ. 1" = 50'
VERT. 1" = 5'

TRAVERSE COORDINATE SCHEDULE			
NUMBER	NORTHING	EASTING	ELEVATION
1	586506.18	1361634.29	399.06
2	587084.78	1361830.12	407.82
3	587424.54	1361613.68	403.54
4	587534.14	1361890.52	404.77
5	587114.64	1362032.36	409.00
6	587234.46	1362203.86	388.16

8" PVC SEWER STAKEOUT COORDINATES SCHEDULE		
NAME	NORTHING	EASTING
SMH 1	587104.18	1362081.20

8" D.I.P. WATER STAKEOUT COORDINATES SCHEDULE		
STATION	NORTHING	EASTING
0+00 TS&V	587078.92	1361665.09
2+70 PIPE DEFLECTION	587098.60	1361934.55
3+06 FHT	587102.13	1361971.00
3+08 REDUCER	587102.27	1361972.38
3+95 BLOWOFF VALVE, TEE	587110.68	1362059.24
3+98 END CAP	587111.00	1362062.53

REVIEWED FOR HOWARD S.C.D. AND MEETS
TECHNICAL REQUIREMENTS.
John Robertson 10-30-03
DATE
S.S. NATURAL RESOURCES
CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR
THE SOIL EROSION & SEDIMENT CONTROL BY THE
HOWARD SOIL CONSERVATION DISTRICT.
Jim Meyer 10-30-03
DATE
APPROVED
HOWARD S.C.D.

PLOTTED: 09/26 AM on Thursday, September 18, 2003
BY: Kevin Jackson, Division: Environmental Engineering
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DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Kevin Jackson 11/12/03
DIRECTOR OF PUBLIC WORKS, DATE

Paul J. Szymon 11/12/03
CHIEF, BUREAU OF ENGINEERING, DATE

Paul J. Szymon 11-12-03
CHIEF, UTILITY DESIGN DIVISION, DATE

ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS

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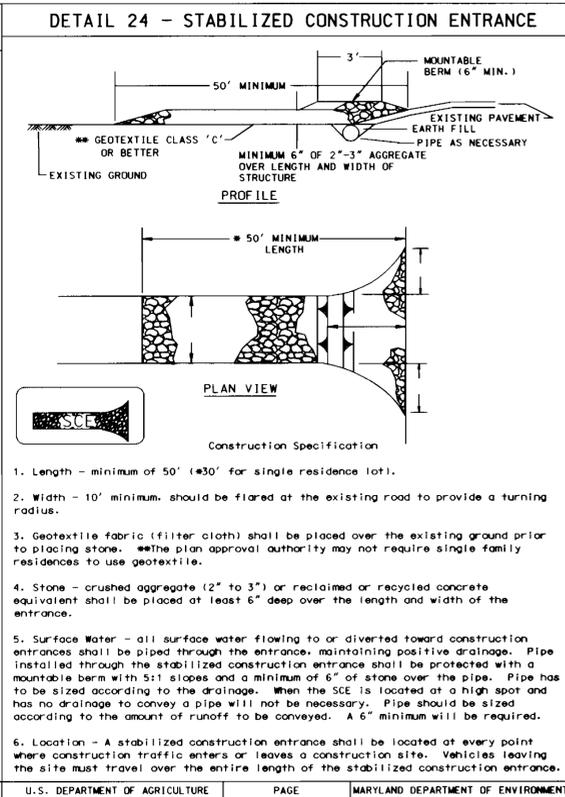
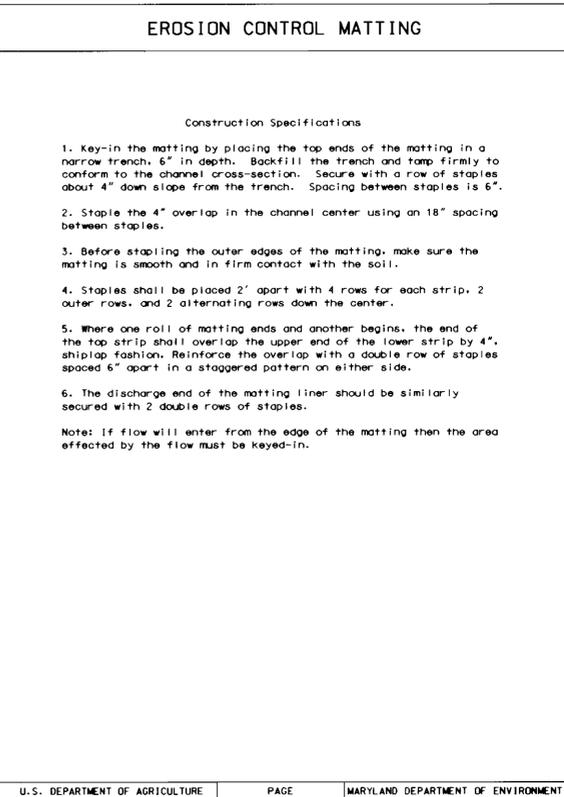
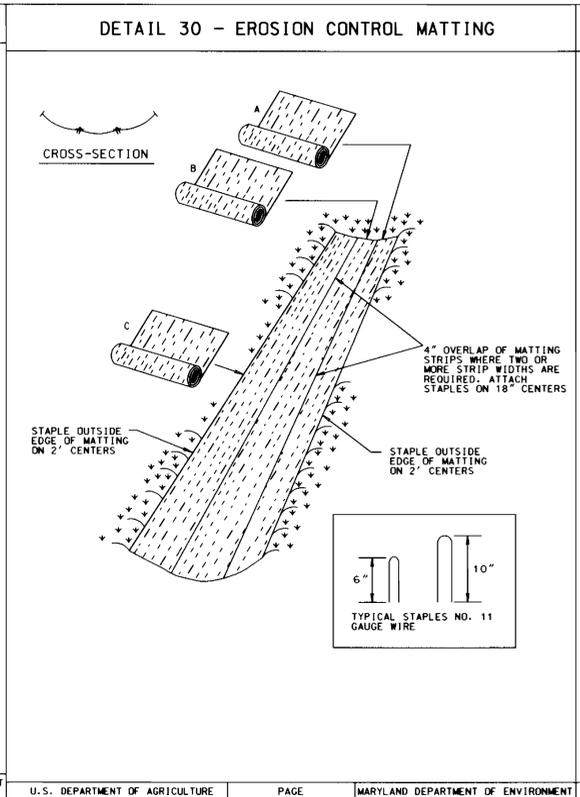
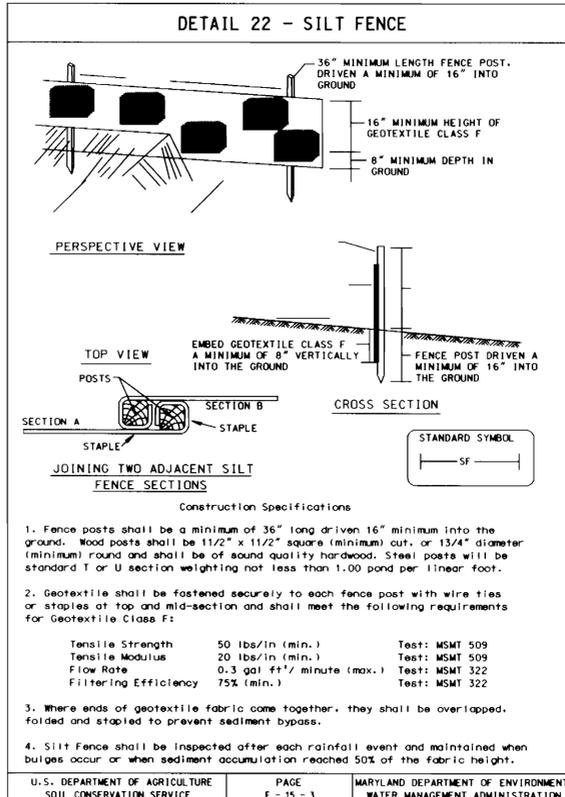
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CHK:	TWW				
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BY:	K.C.I.	1	AS-BUILT DATA		
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DATE:					

PLAN AND PROFILE

600' SCALE MAP NO. 24 BLOCK NO. 5

UPTON ROAD
WATER MAIN EXTENSION &
ROUTINE SEWER MAIN EXTENSION
CAPITAL PROJECT No. W-8253, S-8698
CONTRACT No. 14-4106
ELECTION DISTRICT NO. 2 HOWARD COUNTY, MARYLAND

SCALE
AS SHOWN
SHEET
2 OF 3



DEVELOPER'S CERTIFICATION

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT."

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 SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:

- PREFERRED -** APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT.) AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL. AT TIME OF SEEDING, APPLY 400 LBS PER ACRE 30-0-0 UREAFORM FERTILIZER (9 LBS/1000 SQ FT.).
- ACCEPTABLE -** APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (23 LBS/1000 SQ FT.) BEFORE SEEDING. HARROW OR DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 60 LBS PER ACRE (1.4 LBS/1000 SQ FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 60 LBS KENTUCKY 31 TALL FESCUE PER ACRE AND 2 LBS PER ACRE (.05 LBS/1000 SQ FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, 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 SOO; OPTION (3) SEED WITH 60 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS/ACRE WELL ANCHORED STRAW.

MULCHING - APPLY 1-1/2 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 GALLONS PER ACRE (5 GAL/1000 SQ FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 GALLONS PER ACRE (8 GAL/1000 SQ FT.) FOR ANCHORING.

MAINTENANCE - INSPECT ALL SEEDED AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDINGS.

TEMPORARY SEEDING NOTES

APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.

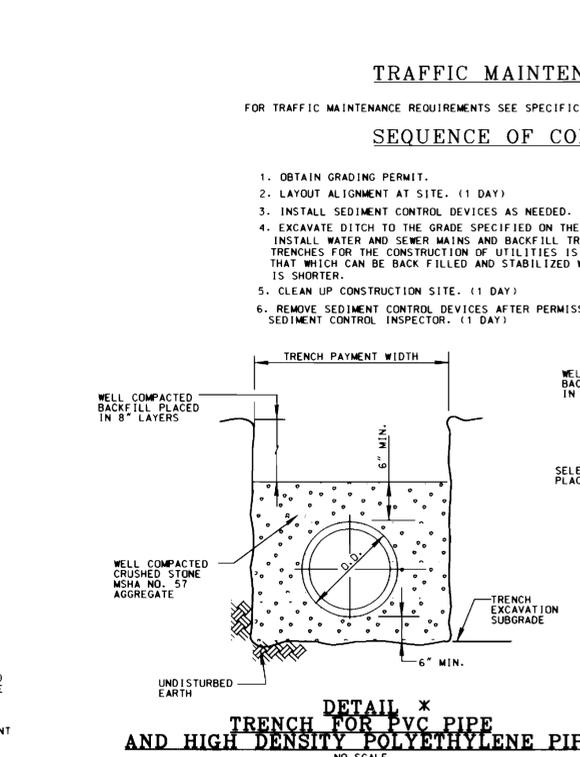
SEEDBED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISKING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.

SOIL AMENDMENTS: - APPLY 600 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ FT.).

SEEDING - FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU OCTOBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (3.2 LBS/1000 SQ FT.). FOR THE PERIOD MAY 1 THRU AUGUST 14, SEED WITH 3 LBS PER ACRE OF WEEPING LOVEGRASS (1.07 LBS/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 SOO.

MULCHING - APPLY 1-1/2 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.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FT OR HIGHER, USE 348 GAL PER ACRE (8 GAL/1000 SQ FT.) FOR ANCHORING.

REFER TO THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



STANDARD SEDIMENT CONTROL NOTES

- A MINIMUM OF 48 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY DEPARTMENT OF INSPECTIONS, LICENSES AND PERMITS, SEDIMENT CONTROL DIVISION PRIOR TO THE START OF ANY CONSTRUCTION. (313-1855).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE MOST CURRENT "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", AND REVISIONS THERETO.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - 7 CALENDER DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
 - 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOL. 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL (SEC. 020.0) FOR PERMANENT SEEDINGS, SOO, TEMPORARY SEEDING AND MULCHING. TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASSES.
- 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.
- SITE ANALYSIS:**

TOTAL AREA OF SITE	N/A	ACRES	
AREA DISTURBED	0.060	ACRES	
AREA TO BE ROOFED OR PAVED	0.058	ACRES	
AREA TO BE VEGETATIVELY STABILIZED	0.002	ACRES	
TOTAL CUT	N/A	CU. YDS.	
TOTAL FILL	N/A	CU. YDS.	
OFFSITE WASTE/BORROW AREA LOCATION	N/A		
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF THE DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 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 NOT BE AUTHORIZED UNTIL THIS INITIAL APPROVAL BY THE INSPECTION AGENCY IS MADE.
- TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO THREE (3) PIPE LENGTHS OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- CONTRACTOR SHALL PLACE EXCAVATED MATERIALS ON UPHILL SIDE OF TRENCH AND PLACE SILT FENCE ON DOWNHILL SIDE OF TRENCH.

ENGINEER'S CERTIFICATION

"I/WE CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."

Reviewed for HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.

APPROVED: *John K. Ralston* 10-30-03
DATE: 10-30-03
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: *Jim Mays* 10-30-03
DATE: 10-30-03
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

PLOTTED: 09:27 AM on Thursday, September 18, 2003
BY: Kevin Jackson, Division: Environmental Engineering
FILE: m:\2003\010105\up\drawings\c\0306.dwg

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

John K. Ralston 11-12-03
DIRECTOR OF PUBLIC WORKS, DATE

Paul J. Jensen 11-12-03
CHIEF, BUREAU OF ENGINEERING, DATE

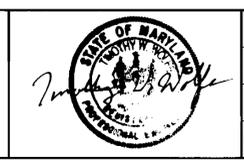
Debra J. Jensen 11-12-03
CHIEF, BUREAU OF UTILITIES, DATE

Debra J. Jensen 11-12-03
CHIEF, UTILITY DESIGN DIVISION, DATE

ENGINEERS
PLANNERS
SCIENTISTS
CONSTRUCTION MANAGERS

KCI TECHNOLOGIES

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Hunt Valley, MD 21030
Phone (410) 316-7800
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EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

600' SCALE MAP NO. 24 BLOCK NO. 5

UPTON ROAD WATER MAIN EXTENSION & ROUTINE SEWER MAIN EXTENSION
CAPITAL PROJECT No. W-8253, S-6698
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SCALE AS SHOWN
SHEET 3 OF 3