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. TOPOGRAPHIC FIELD SURVEYS WERE PERFORMED ON NOVEMBER, 2004 BY KCI TECHNOLOGIES,
- 3. HORIZONTAL AND VERTICAL SURVEY CONTROLS: THE COORDINATES SHOWN ON THE DRAWINGS ARE BASED ON MARYLAND STATE REFERENCE SYSTEM NAD '83/'91 AS PROJECTED BY HOWARD COUNTY GEODETIC CONTROL STATIONS NO. 30 EB AND 30 FA.
- ALL VERTICAL CONTROLS ARE BASED ON NGVD'29. VERTICAL CONTROLS PROVIDED ON THE DRAWINGS ARE IRON BARS.
- 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 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 PITS. 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:

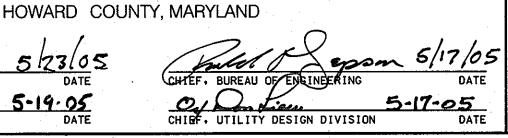
AT&T	1-800-252-1133
BG&E (CONTRACTOR SERVICES)	410-850-4620
BG&E - (EMERGENCY)	410-787-9068
BUREAU OF UTILITIES (DPW)	410-313-4900
VERIZON1-800-74	3-0033 / 410-224-9210
COLONIAL PIPELINE CO	410-795-1390
MISS UTILITY	1-800-257-7777
STATE HIGHWAY ADMINISTRATION	410-531-5533

- 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)313-7450 AT LEAST FIVE WORKING DAYS BEFORE ANY OPEN CUT OF ANY COUNTY ROAD 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.

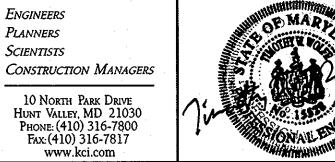
WATER NOTES

- 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.
- 3. VALVES ADJACENT TO TEES SHALL BE STRAPPED TO TEES.
- 4. ALL FITTINGS SHALL BE BUTTRESSED OR ANCHORED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS UNLESS OTHERWISE PROVIDED FOR ON THE DRAWINGS.
- 5. 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.
- 6. THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- 7. THE CONTRACTOR IS RESPONSIBLE FOR CONTACTING THE VARIOUS RESIDENTS 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 RESIDENTS AND NOTIFICATION TO THE RESIDENTS OF ANY "INTERRUPTION OF SERVICE" SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR. THE COUNTY REQUIRES THAT THE CONTRACTOR NOTIFY EACH RESIDENTS AFFECTED BY LETTER OR DOOR TAGS OF THE IMPENDING SERVICE INTERRUPTION AT LEAST 72 HOURS IN ADVANCE OF THE PLANNED INTERRUPTION.
- 8. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF UTILITIES HOWARD COUNTY, 15 DAYS PRIOR TO WATER MAIN SHUT DOWNS.
- 9. THE CONTRACTOR SHALL RETURN ALL SALVAGED FIRE HYDRANTS, FRAMES AND COVERS, VALVES, ROADWAY BOXES TO THE BUREAU OF UTILITIES AT 8250 MONTGOMERY RD. COLUMBIA. MD 21045.
- 10. THE CONTRACTOR SHALL PROVIDE SURVEY CONSTRUCTION STAKEOUT FOR ALL NECESSARY LINES, GRADES AND ELEVATION OF THE PROPOSED FACILITIES.
- 11.ALL VALVES SHALL BE CONSTRUCTED IN ACCORDANCE WITH HOWARD COUNTY STANDARD SPECIFICATIONS. SEE STANDARD DETAILS FOR ROADWAY VALVE BOX DIMENSIONS AND VALVE KEY EXTENSIONS.
- 12.ALL WATER HOUSE CONNECTIONS (WHC) SHALL BE FOR OUTSIDE METER SETTINGS.

DEPARTMENT OF PUBLIC WORKS







DES: GW DRN: CK CHK: TW DATE: APRIL, 05

LFN | /I | AS BUILT BY NO. REVISION DATE 600' SCALE MAP NO. 30

TITLE SHEET

BLOCK NO. 10

DALTON DRIVE WATER MAIN

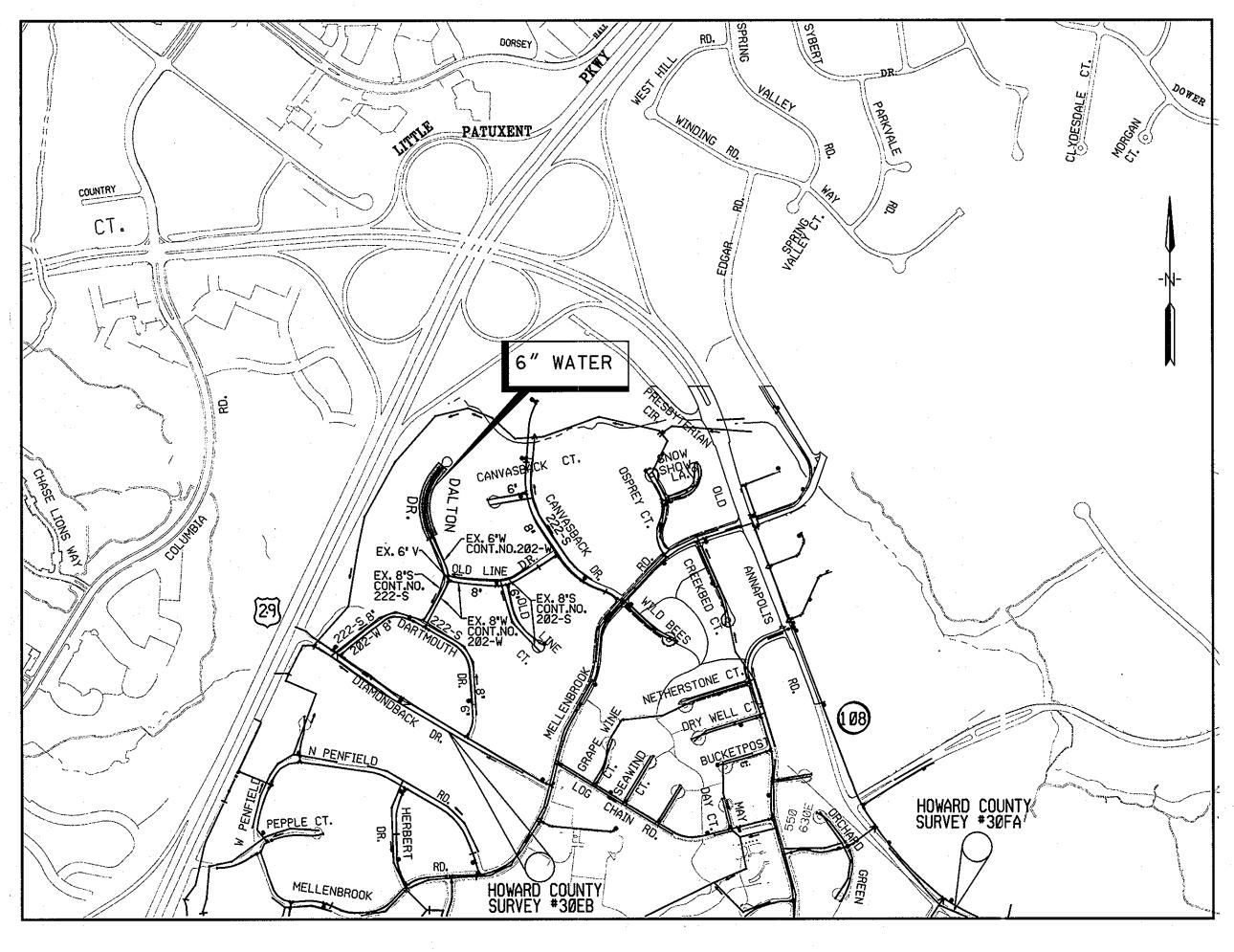
CAPITAL PROJECT No. W-8266

HOWARD COUNTY, MARYLAND 1 OF 3 ELECTION DISTRICT NO. 6

DALTON DRIVE WATER MAIN HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS

CAPITAL PROJECT No. W-8266 CONTRACT No. 44-4261



LOCATION SCALE: 1"= 600"

TYPE OF BUILDING: RESIDENTIAL

NUMBER OF WATER HOUSE CONNECTIONS: 7 LITTLE PATUXENT DRAINAGE AREA:

PRESSURE ZONE: 550

NUMBER OF PARCELS:

WATER CODE.

WATER TEST GRADIENT FOR COUNTY USE ONLY

HOWARD COUNTY GEODETIC SURVEY CONTROL

THE HORIZONTAL AND VERTICAL DATUM BASED ON NAD83(91) (HORIZONTAL) NGVD29 (VERTICAL)

30 EB N 569838.42 E 1358288.13 ELEV.381.26

30 FA N 568621.33 E 1361563.98 ELEV.441.62

INDEX OF SHEETS DESCRIPTION SHEET NO. 1TITLE SHEET 26" WATER MAIN PLAN AND PROFILE 3 EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

		QUA	NTITIES	.	·		
ITEM	UNIT	ESTIMATE	AS-BUILT	МАТЕ	RIAL	SUPPLIER	
6" WATER	R L.F.	560′	560'	BELAIF	ROAD	SUPPLY	
1* WHC	L.F.	175′	175'	11	11	11	
FH	EACH	2	2	tı	ll .	11	
6" VALVE	EACH	3	3	13	()	11	

NAME OF UTILITY CONTRACTOR: W.F. WILSON CHECKBOX

> AS-BUILT DATE: 3.15.06 SURVEY AND DRAFTING DIVISION

LEGEND

DECIDUOUS TREE CONIFEROUS TREE

TRAVERSE POINT

HOUSE CONNECTION

EXISTING VALVE

-G----G-- EXISTING GAS MAIN -OH-OH- EXISTING OVERHEAD SERVICE

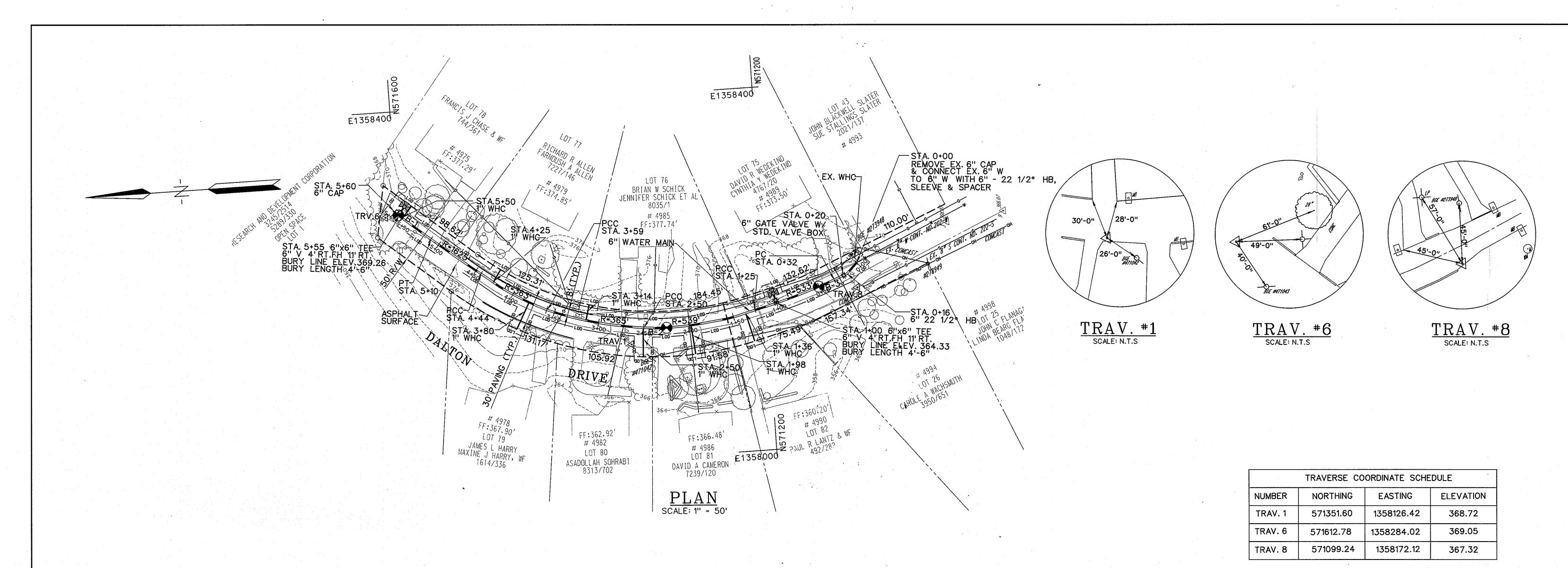
EXISTING FIRE HYDRANT

AS BUILTS

SCALE AS SHOWN

CONTRACT No. 44-4261

SHEET



					DALTO	N DRIVE			
					(50' WIDE I	PUBLIC R/W)			
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ТО	FROM		6"] 365			У		[A]	
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WHC # 4975	FIRE HYDRANT VALVE STA. 5+55 17.6	·T	1	\	COVER	AR.		234	
WHC #4979	WHC #4978 67.4	FT	FH FH	OH.	N N	[HE 150		STA. 0+2 6" GATE 362.23	
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WHC#4979	RT. CORNER OF HOUSE 83.		ST.V.	الله الله الله الله الله الله الله الله		Z O	-1 0	8 0	
WHC# 4978	WHC # 4982 94.4	FT		×	STA. 4+00 INV. 368.64 STA. 3+50 INV. 367.39		12 2 12	<u> </u>	
WHC # 4982	WHC # 4985 52.2	FT		STA. 4+50 INV. 368.20	INV. 368.64	WHC (W)	\ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \ \		
WHC # 4982	POLE #471042 59.0	FT	- 365	STA. 5+00	INV. 367.39		T S T T S T T S T T S T T S T T S T T S T T S T T S T T S T T S T T T S T	 365-	
WHC # 4985	POLE #471042 0 90.0	FT	STA. 5+60	INV. 366.65		STA. 3+00 INV. 365.59	♀ ♀		STA. 0+00 REMOVE EX 6" CAP
WHC # 4986	POLE #471042 * 49.5	FT	6" CAP			INV. 365.59	(M) (M) (M) (M)		REMOVE EX. 6" CAP & CONNECT EX. 6" W
WHC# 4986	INLET SAME SIDE OF ROADWAY 80.0	FT				\$TA 2:00		STA. 0+00 700	TO 6" W WITH 6" - 22 1/2° HB, SLEEVE & SPACER
WHC # 4990	FIRE HYDRANT STA. 1+00 42.8	FT	 360			STA. 2+00 INV. 361.81S	STA. 1+50 V. 360.53 STA 1+00	A. 0+50 STA. 0+00 360 NV. 363.2 (APPROX.)	
WHC# 4990	FIRE HYDRANT VALVE STA. I+00 33.3	FT				IN\	V. 360.53 STA. 1+00 INV. 360.03	. 361.42 (APPROX.)	
FIRE HYDRANT I+00	FIRE HYDRANT VALVE STA.1+00 9.5	FT					INV. 360.03		
6" VALVE STA. 0+20	FIRE HYDRANT VALVE STA. I+00 80.4	FT		22 2	3/ 03/ 4) <u>(</u> 9	53.5	
6" VALVE STA. 0+20	FIRE HYDRANT STA. I+00 80.	FT	355	25 265.2 265.2 4+2.5	3+80 3+80 68.39 3+14	2+50 2+50 63.72 1+98 61.80	74.36 360.	62.7	
FIRE HYDRANT VALVE 5+5	55 FIRE HYDRANT STA.5+55 9.2	FT	-		, 3, A , S	$\begin{bmatrix} A \\ B \end{bmatrix}$. 22 325	
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WATER MAIN STAKEOUT COORDINATES SCHEDULE							
STATION	FITTING	NORTHING	EASTING				
0+00	22 1/2° BEND	571098.18	1358199.16				
0+16	22 1/2° BEND	571109.51	1358187.89				
0+20	GATE VALVE	571113.25	1358186.31				
0+32	PC	571124.07	1358182.13				
1+00	6x6 TEE	571189.04	1358160.94				
1+25	PCC	571213.24	1358154.97				
2+50	PCC	571337.10	1358143.95				
3+59	PCC	571442.33	1358170.84				
4+44	PCC	571517.16	1358219.15				
5+10	PT	571564.36	1358257.07				
5+55	6x6 TEE	571598.40	1358285.78				
5+60	CAP	571602.46	1358289.28				

AS BUILTS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND



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	CHK: TW					
	DATE:	LFN		AS BUILT	3.15	<u></u>
	APRIL, 05	BY	NO.	REVISIO	DA DA	TE 600' SCALE MAP NO. 30

SCALE: HORIZONTAL 1" = 50' VERTICAL 1" = 5'

6" WATER MAIN PLAN AND PROFILE

BLOCK NO. 10

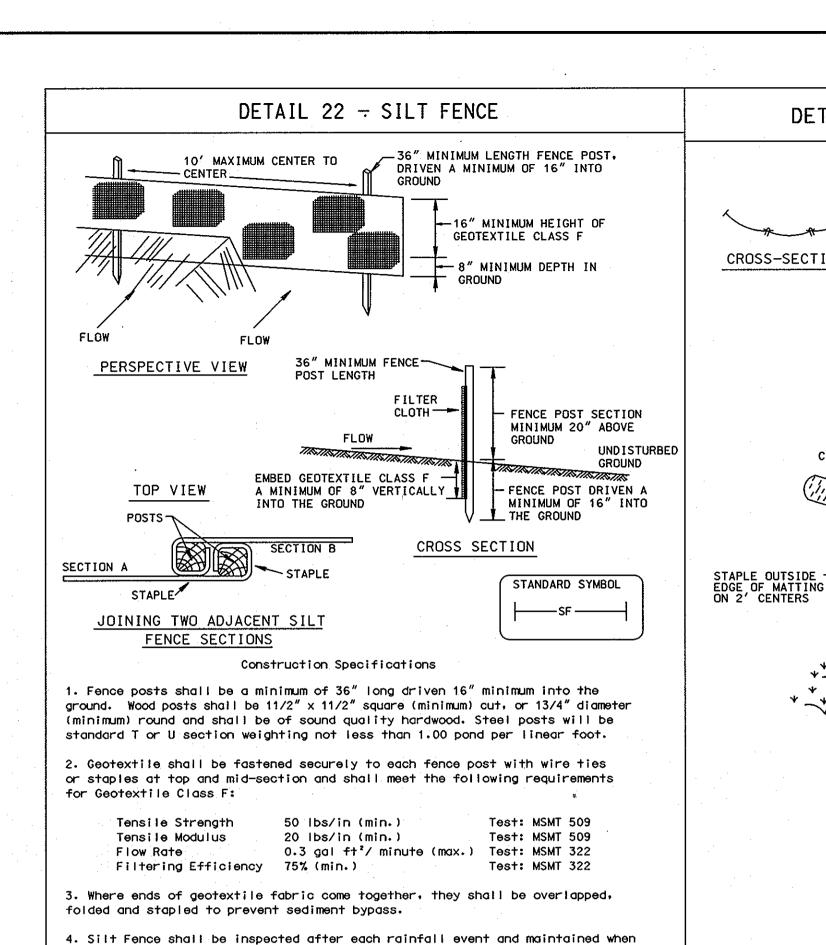
DALTON DRIVE WATER MAIN

CAPITAL PROJECT No. W-8266 CONTRACT No. 44-4261

HOWARD COUNTY, MARYLAND 2 of 3 ELECTION DISTRICT NO. 6

SCALE AS SHOWN

SHEET



DETAIL 30 - EROSION CONTROL MATTING EROSION CONTROL MATTING

Construction Specifications

- 1. Key-in the matting by placing the top ends of the matting in a narrow trench, 6" in depth. Backfill the trench and tamp firmly to conform to the channel cross-section. Secure with a row of staples about 4" down slope from the trench. Spacing between staples is 6".
- 2. Staple the 4" overlap in the channel center using an 18" spacing
- 3. Before stapling the outer edges of the matting, make sure the matting is smooth and in firm contact with the soil.
- 4. Staples shall be placed 2' apart with 4 rows for each strip, 2 outer rows, and 2 alternating rows down the center.
- 5. Where one roll of matting ends and another begins, the end of the top strip shall overlap the upper end of the lower strip by 4". shiplap fashion. Reinforce the overlap with a double row of staples spaced 6" apart in a staggered pattern on either side.
- 6. The discharge end of the matting liner should be similarly secured with 2 double rows of staples.

Note: If flow will enter from the edge of the matting then the area effected by the flow must be keyed-in.

G - 22 - 2A

DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE - MOUNTABLE BERM (6" MIN.) EXISTING PAVEMENT - EARTH FILL ** GEOTEXTILE CLASS 'C'----- PIPE AS NECESSARY OR BETTER MINIMUM 6" OF 2"-3" AGGREGATE OVER LENGTH AND WIDTH OF LEXISTING GROUND STRUCTURE **PROFILE** * 50' MINIMUM-LENGTH MIN. EXISTING PAVEMENT PLAN VIEW ' MIN. STANDARD SYMBOL Construction Specification

- Length minimum of 50' (*30' for single residence lot).
- 2. Width 10' minimum, should be flored at the existing road to provide a turning
- 3. Geotextile fabric (filter cloth) shall be placed over the existing ground prior to placing stone. **The plan approval authority may not require single family residences to use geotextile.
- 4. Stone crushed aggregate (2" to 3") or reclaimed or recycled concrete equivalent shall be placed at least 6" deep over the length and width of the
- 5. Surface Water all surface water flowing to or diverted toward construction entrances shall be piped through the entrance, maintaining positive drainage. Pipe installed through the stabilized construction entrance shall be protected with a mountable berm with 5:1 slopes and a minimum of 6" of stone over the pipe. Pipe has to be sized according to the drainage. When the SCE is located at a high spot and has no drainage to convey a pipe will not be necessary. Pipe should be sized according to the amount of runoff to be conveyed. A 6" minimum will be required.

6. Location - A stabilized construction entrance shall be located at every point where construction traffic enters or leaves a construction site. Vehicles leaving the site must travel over the entire length of the stabilized construction entrance.

U.S. DEPARTMENT OF AGRICULTURE

F - 17 - 3

WATER MANAGEMENT ADMINISTRATION

PERMANENT SEEDING NOTES

bulges occur or when sediment accumulation reached 50% of the fabric height.

U.S. DEPARTMENT OF AGRICULTURE

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

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:

- 1)PREFERRED APPLY 2 TONS PER ACRES DOLOMITIC LIMESTONE (92 LBS/1000 SQ FT.)
 AND 600 LBS PER ACRE 10-10-10 FERTILIZER (14LBS/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 SO FT.).
- 2)ACCEPTALBE 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 OF DISK INTO UPPER THREE INCHES OF SOIL.

SEEDING - FOR THE 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 SOD. 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 FEET 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 (.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

MULCHING: - APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SO 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.

TRAFFIC MAINTENANCE

MARYLAND DEPARTMENT OF ENVIRONMENT

WATER MANAGEMENT ADMINISTRATION

STRIPS WHERE TWO OR
MORE STRIP WIDTHS ARE
REQUIRED. ATTACH
STAPLES ON 18" CENTERS

FOR TRAFFIC MAINTENANCE REQUIREMENTS SEE SPECIFICATION DOCUMENT D, PARAGRAPH 4.16.

SEQUENCE OF CONSTRUCTION

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

- 1. OBTAIN GRADING PERMIT.
- 2. LAYOUT ALIGNMENT AT SITE. (1 DAY)

TYPICAL STAPLES NO. 11 GAUGE WIRE

- 3. INSTALL SEDIMENT CONTROL DEVICES (INLET PROTECTION DEVICES) AS SHOWN ON PLAN. 4. EXCAVATE DITCH TO THE GRADE SPECIFIED ON THE PROFILE.
- INSTALL WATER MAIN AND BACKFILL TRENCH AND RESURFACE WITH BITUMINOUS PAVING (30 DAYS) TRENCHES FOR THE CONSTRUCTION OF UTILITIES IS LIMITED TO 25' OF PIPE LENGTH OR THAT WHICH CAN BE BACK FILLED AND STABILIZED WITHIN ONE WORKING DAY, WHICHEVER IS SHORTER.
- 5. CLEAN UP CONSTRUCTION SITE. (1 DAY)
- 6. REMOVE SEDIMENT CONTROL DEVICES AFTER PERMISSION IS GRANTED BY THE SEDIMENT CONTROL INSPECTOR. (1 DAY)

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 DEPART-MENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT.
I ALSO AUTHORIZE PERIODING ON-SITE INSPECTION BY THE HOWARD SOIL CONSERVATION DISTRICT.

DEPARTMENT OF PUBLIC WORKS

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.

CONTECHNOLOGIES

REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS.





STANDARD SEDIMENT CONTROL NOTES

- 1. 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).
- 2. ALL VEGETIVE 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.
- 3. FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COPLETED WITHIN:
- A) 7 CALENDER DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1,
- 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 THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- 5. 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. G20.0) FOR PERMANENT SEEDINGS, SOD, 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.
- 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:

MARYLAND DEPARTMENT OF ENVIRONMENT

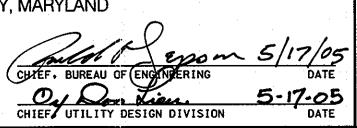
WATER MANAGEMENT ADMINISTRATION

ACRES TOTAL AREA OF SITE 0.052 ACRES AREA DISTURBED Ø.Ø51 AREA TO BE ROOFED OR PAVED Ø.ØØ1 ACRES AREA TO BE VEGATATIVELY STABILIZED N/A TOTAL CUT _ CU. YDS. N/A TOTAL FILL __ CU. YDS.

- OFFSITE WASTE/BORROW AREA LOCATION N/A 8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF THE DISTURBANCE.
- 9. ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- 10. 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.
- 11. 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.
- 12. CONTRACTOR SHALL PLACE EXCAVATED MATERIALS ON UPHILL SIDE OF TRENCH AND PLACE SILT FENCE ON DOWNHILL SIDE OF TRENCH.

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND

5/23/05 RECTOR OF PUBLIC WORKS





Engineers **PLANNERS** SCIENTISTS CONSTRUCTION MANAGERS 10 North Park Drive HUNT VALLEY, MD 21030 PHONE: (410) 316-7800 Fax: (410) 316-7817

www.kci.com



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CROSS-SECTION

U.S. DEPARTMENT OF AGRICULTURE

SOIL CONSERVATION SERVICE

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REVISION

EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

DATE 600' SCALE MAP NO. 30

BLOCK NO. 10

DALTON DRIVE WATER MAIN

CAPITAL PROJECT No. W-8266 CONTRACT No. 44-4261

HOWARD COUNTY, MARYLAND 3 OF 3 ELECTION DISTRICT NO. 6

SHEET

SCALE

AS SHOWN