INDEX OF DRAWINGS

SHEET DRAWING NO. NO.

DESCRIPTION

G-1 TITLE SHEET, VICINITY MAP, QUANTITIES,

INDEX OF DRAWINGS AND GENERAL NOTES

C-1 PLAN AND PROFILE

SC-1 SEDIMENT CONTROL NOTES AND DETAILS

FOR SEDIMENT AND EROSION CONTROL LEGEND, SEE DRAWING SC-1.

ITEM	ESTIMATED	AS- BUILT October 24,2002			
		QUANTITIES	TYPE	SUPPLIER	
8" SANITARY SEWER	850 L.F.	832 L.F.	PVC SDR -35	Below Rd Supp	
4" S.H.C.	196 L.F.	# 227.5 L.F.	PVC SDR-35	Bolair Rd Suppl	
MANHOLES	3 EA.	3 EA.	Precast	Atlantic	
MANHOLES- DEPTH OVER 6'	19 V.F.	17.3 V.F.			

B.M. NO. 001
+ CUT @ ROADSIDE FLANGE
BOLT OF FIRE HYDRANT
LOCATED AT NORTHWEST
CORNER OF LONGVIEW
ROAD AND HUNTING LANE.

ELEV. 402.142 FT. N 550,447.67 E 1,346,657.88

B.M. NO. 0057
BRASS OR ALUMINUM DISC
LOCATED APPROX. 15' EAST
OF EAST EDGE ROAD OF
LONGVIEW ROAD, SOUTH OF
INTERSECTION WITH VISTA RD.
4.8' FROM G&E POLE 15577
AND 57' NORTHWEST FROM
NORTHWEST CORNER OF

1 STY. BRICK DWLG.

ELEV. 398.92 FT. N 550835.217 E 1347017.693

BY THE DEVELOPER:

"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 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".

Julid Sepson 2/14/02
DATE

BY THE ENGINEER:

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

AMES A. AVIRETT JR. P.E. 10210

THESE PLANS HAVE BEEN REVIEWED FOR HOWARD SOIL
CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SOIL EROSION AND SEDIMENT CONTROL

USER-NATURAL RESOURCES
ONSERVATION SERVICE

THESE PLANS FOR SOIL EROSION AND CONTROL
MEET THE REQUIREMENTS OF THE HOWARD SOIL
CONSERVATION DISTRICT.

2315 ST. Paul ST. Baltimore, Md. 21218 TOLLING BELLS CT.

SITE

HOMARD CO.
CONTROL

8057

N. 550,500

N. 549,500

ROAD

ROA

VICINITY MAP SCALE : /" = 600

CAPITAL PROJECT NO. S-6698
CONTRACT NO. 30-3980
LONGVIEW ROAD
SEWER EXTENSION
FIFTH ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

REVISION

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND.

BLIC WORKS

DATE

CHIEF, BUREAU OF MINEERING

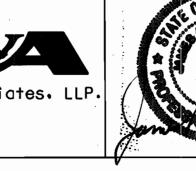
2-14-0

FUTILITIES

DATE

CHIEF, UTILITY DESIGN DIVISION

DESI



OF MAR L'INII	DES:WRD/EJM			
AVIA				
	DRN: EJM			
	-			·
	CHK: WRD	,	٠	
	DATE 5 11 01			
A CONTRACTOR OF THE PARTY OF TH	DATE:5-11-01	RY	NO	

TITLE SHEET

DATE 600' SCALE MAP NO. 41 BLOCK NO.

GENERAL NOTES

- 1. 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.
- 2. THE COORDINATES SHOWN HEREON ARE BASED UPON HOWARD COUNTY GEODETIC SURVEY CONTROL WHICH IS BASED UPON THE MARYLAND PLANE COORDINATE SYSTEM NAD 83/91 HOWARD COUNTY MONUMENTS NOS. 41C2 AND 0057 WERE
- 3. ALL VERTICAL CONTROLS ARE BASED ON U.S.G.S. DATUM NAVD 88
- 4. ALL PIPE ELEVATIONS ARE INVERT ELEVATIONS UNLESS OTHERWISE NOTED ON PLANS.
- 5. CLEAR ALL UTILITIES BY A MINIMUM OF 12 CLEAR ALL POLES BY 5'-0' MINIMUM, OR TUNNEL AS REQUIRED. THE CONTRACTOR SHALL COORDINATE WITH UTILITY COMPANIES TO SCHEDULE THE BRACING OF THE POLES, IF REQUIRED.
- 6. FOR DETAILS NOT SHOWN ON 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 SITE.
- 7. EXISTING UTILITIES IN THE VICINITY OF 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.

 8. CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
- 9. TREES AND SHRUBS ARE TO BE PROTECTED FROM DAMAGE TO THE MAXIMUM EXTENT POSSIBLE.
- 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. NO WETLAND EXISTS WITHIN THE LIMITS OF THIS CONTRACT.
- 12. THE CONTRACTOR SHALL NOT OPERATE ANY WATER VALVES ON THE EXISTING WATER SYSTEM. THE CONTRACTOR SHALL CONTACT HOWARD COUNTY DPW BUREAU OF UTILITIES IF OPERATION OF VALVES IS NEEDED.
- 13. THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, AT 410-313-7450 AT LEAST FIVE DAYS BEFORE OPEN CUT OF ANY COUNTY ROAD OR BORING/JACKING OPERATION IN COUNTY ROADS FOR LAYING WATER AND SEWER MAIN OR HOUSE CONNECTIONS. THE APPROVAL OF THESE DRAWINGS WILL CONSTITUTE COMPLIANCE WITH THE DPW REQUIREMENTS PER SECTION 18.114(a) OF THE HOWARD COUNTY CODE.
- 14. TRAFFIC CONTROL DEVICES, MARKINGS AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL DEVICES AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- 15. THE EXISTING TOPOGRAPHY IS TAKEN FROM FIELD RUN SURVEY WITH TWO FOOT CONTOUR INTERVALS PREPARED BY WHITMAN REQUARDT AND ASSOCIATES IN APRIL 2001.
- 16. EXISTING SEWER IS PUBLIC, CONTRACT NO. 30-3341 PROPOSED SEWER IS PUBLIC, CONTRACT
- NO.30-3980 DRAINAGE AREA IS MIDDLE PATUXENT.

 17. CONTRACTOR TO PROTECT EXISTING PROPERTY MARKERS FROM BEING DISTURBED, IF A DISTURBANCE OCCURS,
- REPLACEMENT MUST BE DONE BY A LICENSED LAND SURVEYOR AT THE CONTRACTOR EXPENSE.

 18. ALL PIPELINE TRENCHES ON THIS PROJECT SHALL BE BACKFILLED ACCORDING TO SECTION 1000.03.19 OF THE STANDARD SPECIFICATIONS INCLUDING THE FOLLOWING REQUIREMENTS TO FULL TRENCH COMPACTION WITHIN THE COUNTY ROAD RIGHT OF WAY: USING AASHTO T-180A, COMPACT SOILS TO 95% IN THE TOP TWO FEET OF THE TRENCH BELOW FINAL SUBGRADE AND 90% FROM TWO FEET BELOW FINAL SUBGRADE TO THE TOP OF THE PIPE BEDDING.
- 19. ALL MANHOLES SHALL BE 4'-0' INSIDE DIAMETER UNLESS OTHERWISE NOTED ON DRAWINGS.
- 20. MANHOLE LOCATED IN ROADWAY SHALL HAVE TRAFFIC BEARING MANHOLE FRAME AND COVER.
- 21. ALL SEWER MAINS SHALL BE SDR 35 P.V.C. UNLESS OTHERWISE NOTED.
- 22. CONTRACTOR SHALL USE EXTREME CAUTION WHEN WORKING NEAR OVERHEAD POWER LINES. IF THE OPERATION BECOMES DANGEROUS HE SHALL CONTACT THE POWER COMPANY TO TEMPORARILY SHUT-OFF SERVICE.

<u>NEW</u>	LEGEND	EXISTING	
	UTILITY EASEMENT LINE		
	PROPERTY LINE- R/W LINE		
	TRAFFIC, PROPERTY SIGN	•	
	UTILITY POLE & GUY WIRE	,d- <	
	LIGHT POLE	*	
	BANK/SLOPE	YYY	
	FENCE	xxx	
	TREE/TREE LINE/CONIFEROUS	© ~~~ £;;}	
	HEDGE, BUSH	OCC .	
	CONTOUR	350	
	PIPELINE CURVE P.I./ TRAVERSE P.I.	TRAV PI 903	
0	SEWER MANHOLE	<u>(S)</u>	
8° S	SEWER LINE	ss	
	SEWER CLEAN-OUT	000	
	WATER VALVE	M	
	WATER METER	Θ	
	FIRE HYDRANT	\bowtie	
LODLODLOD	LIMITS OF DISTURBANCE		
	WATER		
	GAS	- G G-	
	UNDERGROUND TELE. CABLE		
	TELE. PEDESTAL	H	
	TEST PIT		
	SOIL BORING	•	
	BENCHMARK	BM 5515 ELEV. 460.51	
	IRON PIN/IRON PIPE	•	
	CONCRETE MONUMENT	■ CM	
	STONE	■ STONE	
	STORM DRAIN MANHOLE	0	
	YARD LAMP	*	
•	CABLE TV	—— CATV ——	
	CABLE TV PEDESTAL	E	
	TRANSFORMER	\mathbb{X}	
	AIR CONDITION	AC	
	MAIL BOX	MB	G-
	SIGN	-	
		-	SCAL
LONG	VIEW ROAD SEW	ZER EXTENSION	AS

CAPITAL PROJECT S-6698

CONTRACT NO. 30-3980

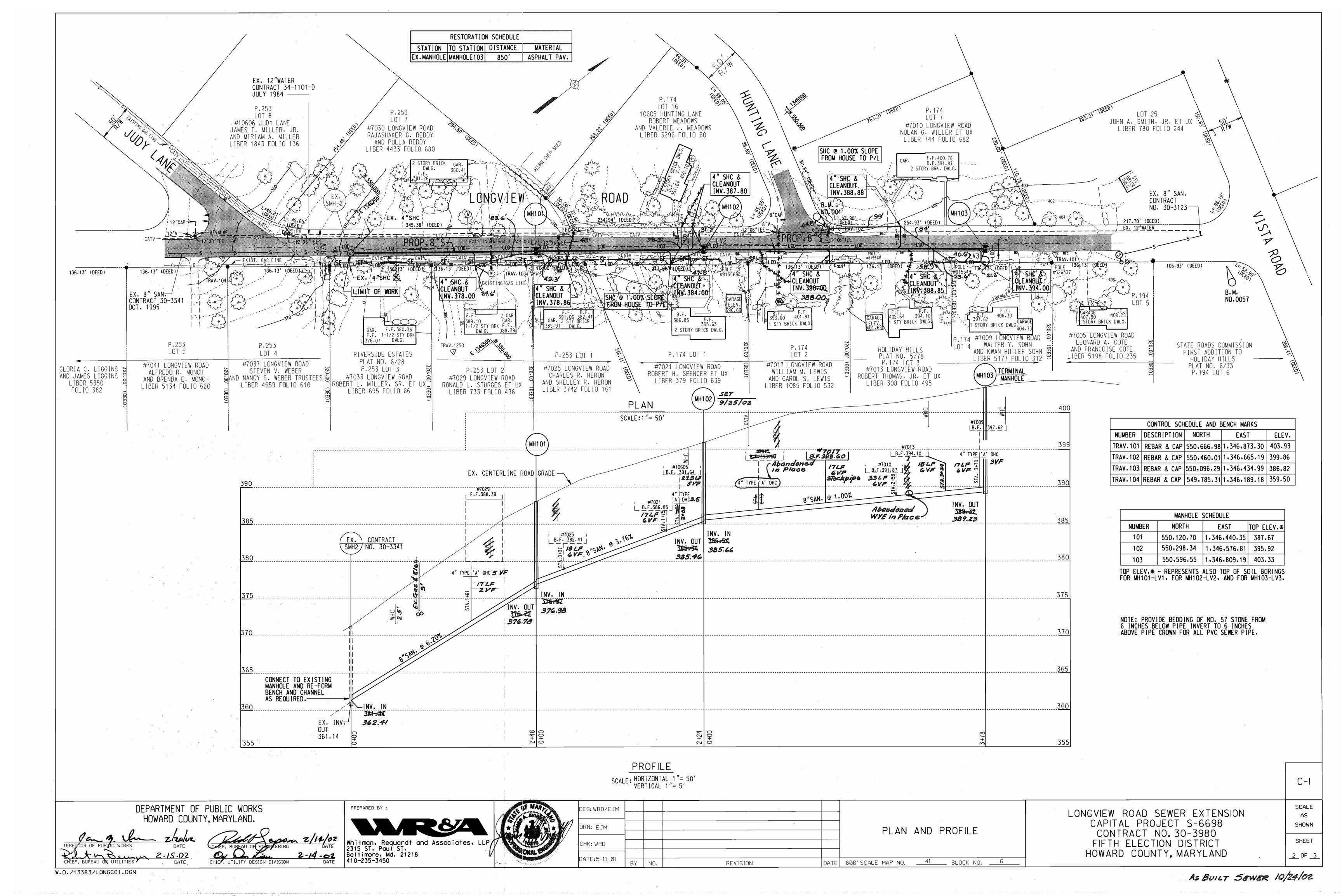
FIFTH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

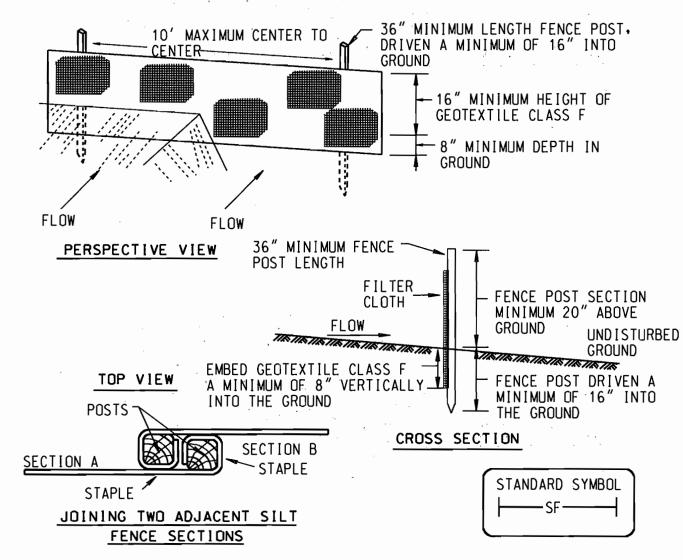
SHOWN

SHEET

1 OF 3



DETAIL 22 - SILT FENCE



Construction Specifications

1. Fence posts shall be a minimum of 36" long driven 16" minimum into the ground. Wood posts shall be $1\frac{1}{2}$ " x $1\frac{1}{2}$ " square (minimum) cut, or $1\frac{3}{4}$ " diameter (minimum) round and shall be of sound quality hardwood. Steel posts will be standard T or U section weighting not less than 1.00 pond per linear foot.

2. Geotextile shall be fastened securely to each fence post with wire ties or staples at top and mid-section and shall meet the following requirements for Geotextile Class F:

50 lbs/in (min.) Test: MSMT 509 Tensile Strength Test: MSMT 509 20 lbs/in (min.) Tensile Modulus 0.3 gal ft / minute (max.) Test: MSMT 322 Flow Rate Test: MSMT 322 Filtering Efficiency 75% (min.)

3. Where ends of geotextile fabric come together, they shall be overlapped, folded and stapled to prevent sediment bypass.

4. Silt Fence shall be inspected after each rainfall event and maintained when bulges occur or when sediment accumulation reached 50% of the fabric height.

DISTURBED AREA QUANTITY

THE TOTAL AREA TO BE DISTURBED SHOWN ON THESE PLANS HAS BEEN DETERMINED TO BE THE FOLLOWING:

TOTAL DISTURBED AREA: 19566 SQ. FT. OR 0.45 AC.+/-THE AMOUNT OF EXCAVATION AND FILL AS SHOWN ON THESE PLANS HAS BEEN COMPUTED TO BE THE FOLLOWING:

TOTAL 1900 CU, YDS, CUT AND 1900 CU, YDS, FILL (NOTE: THESE QUANTITIES ARE APPROXIMATE AND SHALL NOT BE USED BY THE

REQUIRED SEQUENCE OF CONSTRUCTION

1. OBTAIN THE REQUIRED GRADING PERMIT. (10 DAYS)

CONTRACTOR FOR BIDDING PURPOSES).

- 2. NOTIFY MISS UTILITY 48 HOURS BEFORE BEGINNING ANY WORK @ (1-800-257-7777). NOTIFY HOWARD COUNTY CONSTRUCTION INSPECTION DIVISION 24 HOURS BEFORE STARTING ANY WORK @ 410-313-1870 (2 DAYS).
- 3. INSTALL THE REQUIRED SEDIMENT AND EROSION CONTROL DEVICES AS PER THESE DRAWINGS. (2 DAYS)
- 4. THE CONTRACTOR TO INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL DEVICES SHOWN HEREON, AFTER EACH RAINFALL AND ON A DAILY BASIS. (DURATION OF PROJECT)
- 5. EXCAVATE TRENCHES, CONSTRUCT PIPELINES AS SHOWN ON THE CONSTRUCTION DRAWINGS, KEEPING ALL CONSTRUCTION ACTIVITIES WITHIN THE LIMITS OF DISTURBANCE. ALL TREES SHALL BE PRESERVED AND PROTECTED UNLESS THEY DIRECTLY INTERFERE WITH SEWER CONSTRUCTION. (15 DAYS)
- 6. RESTORE TRENCHES TO THEIR ORIGINAL CONDITIONS AS PER HOWARD COUNTY STANDARDS WITH TEMPORARY PAVING, HOWARD COUNTY STANDARD SPECIFICATIONS.
- 7. REMOVE SEDIMENT FROM ROADWAY AND KEEP ROADWAY CLEAN AT ALL TIMES. (1 DAY)
- 8. FINE GRADE ALL AREAS DISTURBED BY PIPELINE CONSTRUCTION AND STABILIZE ACCORDING TO RESTORATION SCHEDULES. (3 DAYS)
- 9. FOLLOWING SUCCESSFUL STABILIZATION OF ALL DISTURBED AREAS, AND AFTER PERMISSION HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE SEDIMENT CONTROL MEASURES AND STABILIZE REMAINING
- DISTURBED AREAS WITH PERMANENT SEEDING MIXTURE AND STRAW MULCH.(5 DAYS) 10. INSTALL PERMANENT PAVING PATCH OVER TRENCH AS PER COUNTY SPECIFICATIONS. (2 DAYS)

DEPARTMENT OF PUBLIC WORKS

HOWARD COUNTY, MARYLAND.

WORK ZONE TRAFFIC CONTROL PLAN

GENERAL NOTES

Whitman, Requardt and Associates, LL

2315 ST. Paul ST.

410-235-3450

Baltimore, Md. 21218

SEDIMENT AND EROSION CONTROL NOTES

1. ALL EROSION /SEDIMENT CONTROL MEASURES SHALL COMPLY WITH THE "MARYLAND

STANDARD AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL"BY THE

MARYLAND DEPARTMENT OF THE ENVIRONMENT, WATER MANAGEMENT ADMINISTRATION

IN ASSOCIATION WITH THE NATURAL RESOURCES CONSERVATION SERVICE AND THE

2. AREAS THAT HAVE BEEN CLEARED AND/OR GRADED, BUT WILL NOT BE CONSTRUCTED

4. MULCHING CAN ONLY BE USED ON DISTURBED AREAS AS A TEMPORARY COVER WHERE

OF THE 1994 STANDARDS AND SPECIFICATIONS.

8. NO PROPOSED SLOPE SHALL BE GREATER THAN 2:1.

BY THE SEDIMENT CONTROL INSPECTOR.

CONSERVATION DISTRICT.

3 HORIZONTAL TO 1 VERTICAL, SEE G-20-SEC 1, I & J.

BE SUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR APPROVAL.

MINIMUM SPECIFICATIONS AS SHOWN IN THE 94 STANDARDS AND SPEC'S.

MEASURES UNTIL THE DISTURBED AREAS ARE PERMANENTLY STABILIZED.

11. THE DISTRICT APPROVAL FOR THIS SEDIMENT CONTROL PLAN IS GOOD FOR 2 YEARS.

STATE SOIL CONSERVATION COMMITTEE (REFERENCED AS THE 94 STANDARDS AND SPEC'S).

ON OR PERMANENTLY VEGETATED FOR MORE THAN 14 DAYS (7 DAYS FOR STEEP SLOPES)

3. FOR SPECIFICATIONS ON PERMANENT OR TEMPORARY STABILIZATION SEE SECTION G-20.

MUST BE STABILIZED WITH MULCH OR TEMPORARY STABILIZATION. ANY AREAS THAT ARE IN TEMPORARY VEGETATION FOR OVER ONE YEAR WILL NEED TO BE PERMANENTLY VEGETATED.

VEGETATION IS NOT FEASIBLE OR WHERE SEEDING GERMINATION CANNOT BE COMPLETED

BECAUSE OF WEATHER CONDITIONS. FOR SPECIFICATIONS SEE G-20 SEC. 1- F. G.& H

6. THE REQUIRED SEQUENCE OF CONSTRUCTION MUST BE FOLLOWED DURING SITE DEVELOPMENT.

7. ANY REVISIONS TO THE SEDIMENT CONTROL PLAN, NOT COVERED UNDER THE LIST OF PLAN MODIFICATIONS THAT CAN BE APPROVED BY THE SEDIMENT CONTROL INSPECTOR, NEED TO

9. ALL SEDIMENT CONTROL STRUCTURES WILL BE INSPECTED ONCE A WEEK AND AFTER EACH

RAINFALL AND WILL BE REPAIRED, AS NEEDED, SO THAT THE STRUCTURE MEETS THE

10. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING ALL SEDIMENT AND EROSION CONTROL

AT THE END OF 2 YEARS, IF CONSTRUCTION OF THE PLAN HAS NOT STARTED, THE PLAN

WILL NEED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT FOR REVIEW

AND RE- APPPROVAL. ANY PLANS THAT ARE CURRENTLY UNDER CONSTRUCTION AFTER

2 YEARS MAY BE REQUIRED TO BE RESUBMITTED TO THE SOIL CONSERVATION DISTRICT

ANY CHANGES IN THE SEQUENCE OF CONSTRUCTIOIN MUST BE APPROVED BY THE SOIL

5. FOR SPECIFICATIONS ON THE STABILIZATION OF CUT AND FILL SLOPES GREATER THAN

- 1. ALL WORK SHALL BE CONDUCTED IN ACCORDANCE WITH THE LATEST VERSION OF THE HOWARD COUNTY DESIGN MANUAL VOLUME IV, SECTION 107, THE MARYLAND STATE HIGHWAY ADMINISTRATION (MSHA) BOOK OF STANDARDS, THE FEDERAL HIGHWAY ADMINISTRATION (FHWA) MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). AND THE MARYLAND SUPPLEMENT TO THE MUTCD.
- 2. ALL SIGNS SHALL CONFORM TO THE LATEST VERSION OF MSHA'S STANDARD SIGN BOOK AND FHWA'S MUTCD.
- 3. ALL EXISTING TRAFFIC SIGNS IN CONFLICT WITH THIS WORK ZONE TRAFFIC CONTROL PLANS AND/ OR TEMPORARY TRAFFIC SIGNS NOT IN USE DURING A SPECIFIC STAGE OF CONSTRUCTION SHALL BE COVERED.
- 4. VEHICULAR ACCESS TO ALL SIDE STREETS AND DRIVEWAYS SHALL BE MAINTAINED THROUGHOUT THE WORK ZONE USING FLAGGERS PER MSHA STD. NO. MD 104.32-02 (SEE COPY IN SPECIAL PROVISIONS) OR AS DIRECTED BY THE ENGINEER.
- 5. DURING NON-WORKING HOURS, UTILITY EXCAVATIONS ACROSS/ ALONG TRAFFIC LANES (INCLUDING SIDE STREETS AND DRIVEWAYS) SHALL BE BACKFILLED OR PLATED PER MSHA STD. NOS. 104.89-01 THROUGH MD 104.92 , WITH W8-1 "BUMP" AND/OR W95-5(1)"STEEL PLATES" SIGNS INSTALLED IN ADVANCE OF THE PATCH OR PLATE(S). (SEE SPECIAL PROVISIONS FOR COPIES OF MSHA STANDARD DETAILS.)

DES:WRD/EJM

DRN: EJM

CHK: WRD

DATE:5-11-01

BY NO.

REVISION

PERMANENT SEEDING NOTES

SCOPE: PLANTING PERMANENT, LONG LIVED VEGETATIVE COVER ON GRADED AND/OR CLEARED AREAS AND AREAS THAT HAVE BEEN IN TEMPORARY VEGETATION FOR MORE THAN 1 YEAR. STANDARDS: THE FOLLOWING NOTES SHALL CONFORM TO THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT- WATER MANAGEMENT ADMINISTRATION. THE NATIONAL RESOURCES CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION COMMITTEE

THE SEED BED SHALL BE PREPARED BY LOOSENING THE SOIL TO A DEPTH OF 3 TO 5 INCHES AND INCORPORATING THE LIME AND FERTILIZER INTO THIS LOOSENED LAYER OF SOIL. SEE G-20 SEC. 1- C.

FOR SITES OF 5AC. OR LESS OF DISTURBANCE, THE FOLLOWING FERTILIZER AND LIME RATES SHALL APPLY.

FERTILIZER SHALL CONSIST OF A MIXTURE OF 10-20-20 AND BE APPLIED AT THE FOLLOWING RATES: N=90 LB PER ACRE (2 LB PER 1000SQ. FT.) P205= 175LB PER ACRE (4 LB PER 1000 SQ. FT.) K20=175 LB PER ACRE (4LB PER 1000 SQ. FT.). FERTILIZER SHALL MEET THE REQUIREMENTS IN G-20 SEC. 1- B.

LIME SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE (100 LB PER 1000 SQ. FT.) AND SHALL MEET THE REQUIREMENTS IN G-20 SEC. 1- B.

SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY THE TYPE AND RATE OF SEED USED. THE SEED MUST MEET THE REQUIREMENTS IN G-20 SEC. 1- C. MULCHING WILL BE APPLIED IMMEDIATELY AFTER SEEDING AND WILL NEED TO MEET THE REQUIREMENTS IN G-20 SEC. 1- F, G, & H.

REFER TO G-20 SEC.1- E FOR METHODS OF SEEDING SPECIFICATIONS.

REFER TO G-20 SEC. 4 FOR SOD SPECIFICATIONS.

REFER TO G-20 SEC. 5 FOR TURFGRASS ESTABLISHMENT SPECIFICATIONS

SEEDING MIXTURE SHALL BE SELECTED FROM OR WILL BE EQUAL TO THOSE ON TABLE 25. PERMANENT SEEDING SUMMARY

FERTILIZER MIXTURE AND APPLICATION RATES N 90 LB PER ACRE PO5 175 LB PER ACRE K20 175 LB PER ACRE LIME APPLICATION RATE

SEED MIXTURE HARDINESS ZONE 7a (G-20 FIGURE 5) APPLICATION SEEDING SEEDING MIX NO.1 SPECIES

RATE (LB/AC) DATES DEPTHS 3/15-6/1 1/4"-1/2" 8/1-10/1

TEMPORARY SEEDING NOTES

SCOPE: PLANTING SHORT TERM (NO MORE THAN 1 YEAR) VEGETATION TO TEMPORARILY STABILIZE ANY AREAS WHERE SOIL DISTURBANCE HAS OCCURRED, UNTIL THE AREA CAN BE PERMANENTLY STABILIZED WITH VEGETATIVE OR NON-VEGETATIVE PRACTICES.

STANDARDS: THE FOLLOWING NOTES SHALL CONFORM TO THE "1994 MARYLAND STANDARDS AND SPECIFICATIONS FOR EROSION AND SEDIMENT CONTROL" PUBLISHED JOINTLY BY THE MARYLAND DEPARTMENT OF ENVIRONMENT- WATER MANAGEMENT ADMINISTRATION, THE NATIONAL RESOURCES CONSERVATION SERVICE, AND THE STATE SOIL CONSERVATION COMMITTEE. THE SEED BED SHALL BE PREPARED BY LOOSENING THE SOIL TO A DEPTH OF 3 TO 5 INCHES AND INCORPORATING THE LIME AND FERTILIZER INTO THIS LOOSENED LAYER OF SOIL. SEE G-20 SEC. 1- C.

FERTILIZER SHALL CONSIST OF A MIXTURE OF 10-10-10 AND BE APPLIED AT A RATE OF 600 LB PER ACRE (15LB PER 1000 SQ. FT.) AND WILL MEET THE REQUIREMENTS IN G-20 SEC. 1- B. LIME SHALL BE APPLIED AT A RATE OF 2 TONS PER ACRE (100 LB PER 1000 SQ, FT,) AND SHALL MEET THE REQUIREMENTS

IN G-20 SEC. 1-B. SEED TAGS SHALL BE MADE AVAILABLE TO THE INSPECTOR TO VERIFY THE TYPE AND RATE OF SEED USED. THE SEED MUST

MEET THE REQUIREMENTS IN G-20 SEC. 1- C. MULCHING WILL BE APPLIED IMMEDIATELY AFTER SEEDING AND WILL NEED TO MEET THE REQUIREMENTS IN G-20 SEC. 1- F.

SEDIMENT CONTROL

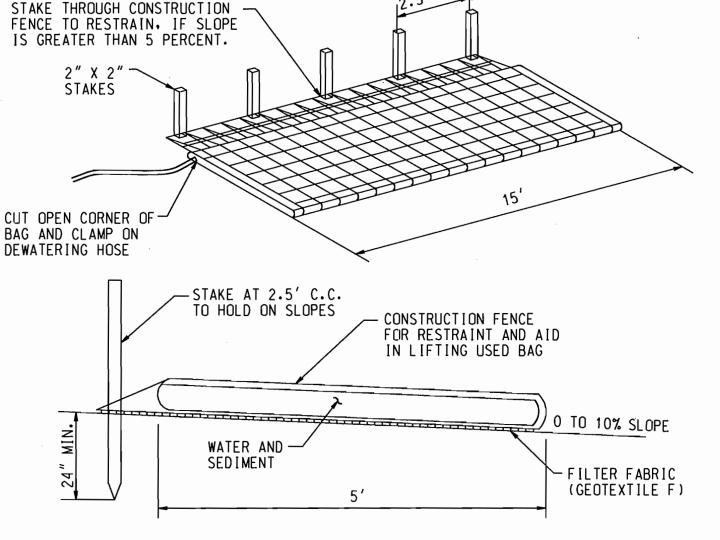
DATE 600' SCALE MAP NO. 41 BLOCK NO. 6

NOTES AND DETAILS

SEEDING MIXTURE SHALL BE SELECTED FROM OR WILL BE EQUAL TO THOSE ON TABLE 26.

TEMPORARY SEEDING SUMMARY

NO. 1 SPECIES RATE (LB/AC) **DEPTHS** 2/1-4/30 RYE 140 1"-2" 8/15-11/30



NOTES:

- 1. FILTER BAG SHALL BE PLACED ON A SLOPING OR LEVEL, WELL GRADED VEGETATED SITE SUCH THAT WATER WILL FLOW AWAY FROM DEVICE AND ANY WORK AREAS.
- 2. WIDTH AND LENGTH SHALL BE AS SHOWN.
- 3. THE FILTER BAG MUST BE STAKED IN PLACE AND SECURED TO THE PUMP DISCHARGE LINE.
- 4. FILTER BAG SHALL NOT BE USED FOR DISCHARGE FLOWS GREATER THAN 300 GPM.
- 5. DEVICE SHALL BE REMOVED AND DISPOSED OF AFTER BAG IS FILLED WITH SEDIMENT. SEDIMENT FROM BAG SHALL BE SPREAD IN AN UPLAND AREA.
- 6. FILTER FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:
- 6. FILTER FABRIC SHALL MEET THE FOLLOWING REQUIREMENTS FOR GEOTEXTILE CLASS F:

TENSILE STRENGTH TENSILE MODULUS FLOW RATE FILTERING EFFICIENCY

50 LBS/IN (MIN.) 20 LBS/IN (MIN.) 0.3 GAL FT. /MINUTE (MAX.) 75% (MIN.)

TEST: MSMT 509 TEST: MSMT 509 TEST: MSMT 322 TEST: MSMT 322

FILTER BAG

TEMPORARY EROSION CONTROL MEASURE



SILT FENCE — SF —

LOD - - - LODLIMIT OF DISTURBANCE

UTILITY CROSSING

SCE 3

— SSF —

STABILIZED CONSTRUCTION ENTRANCE

SUPER SILT FENCE

STRAW BALE DIKE FILTER BAG

DEVELOPER

LONGVIEW ROAD SEWER EXTENSION CAPITAL PROJECT S-6698 CONTRACT NO. 30-3980

FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND SC-SCALE

SHOWN SHEE**T** 3_ OF _3

W.O./13383/LONGSCO1.DGN

MRECTOR OF PUBLIC WORKS