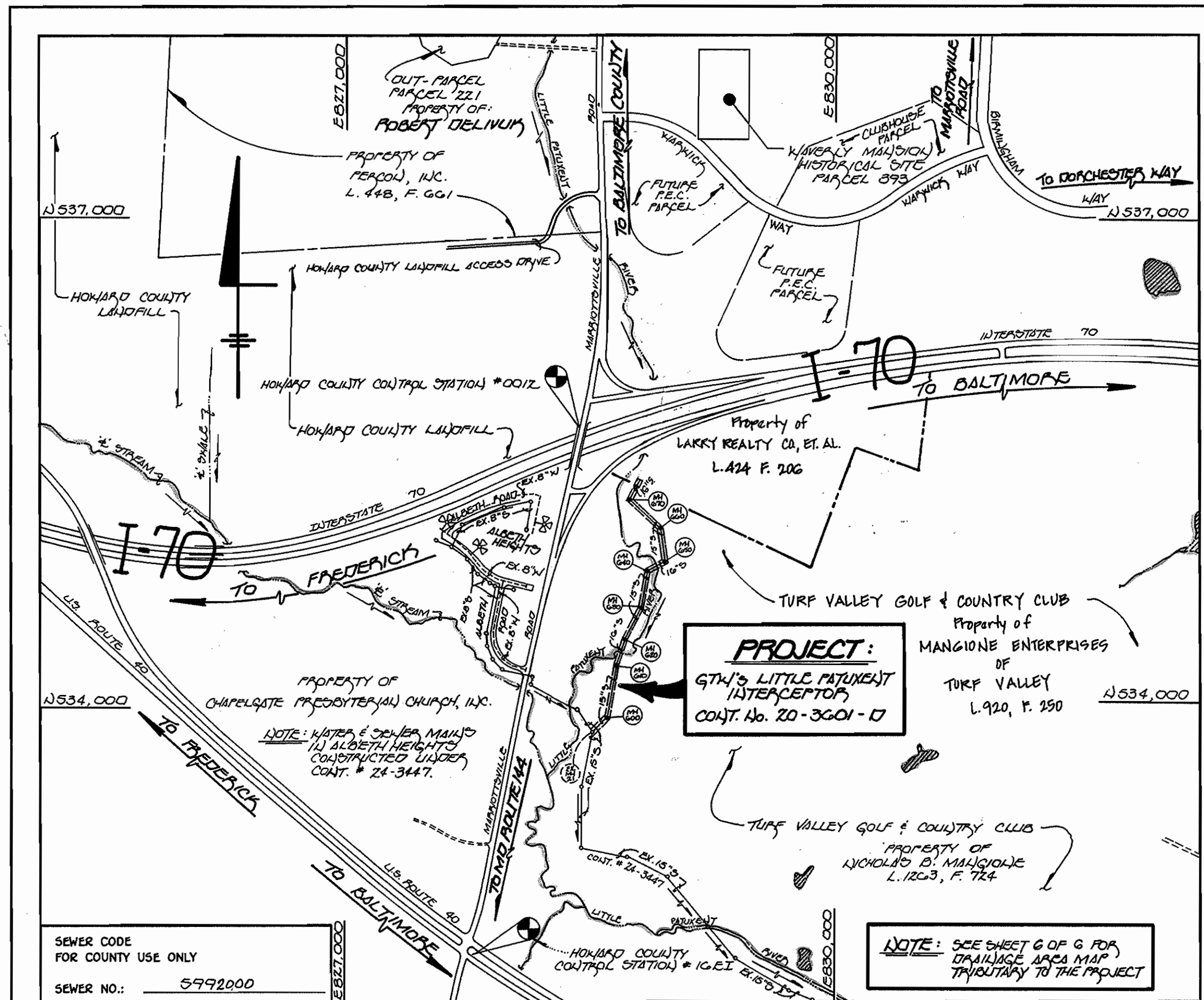


**GENERAL NOTES**

- 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 ARE INVERT ELEVATIONS.
- CLEAR ALL UTILITIES BY A MINIMUM OF 6". CLEAR ALL POLES BY 2'-0" MINIMUM.
- 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 (1991 AMENDMENTS) THE CONTRACTOR SHALL HAVE A COPY OF VOLUME IV ON THE JOB SITE.
- WHERE TEST PITS HAVE BEEN MADE ON EXISTING UTILITIES, THEY ARE NOTED BY THE SYMBOL  $\square$  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. - UNDER GROUND DAMAGE CONTROL - 787-9088  
 MISS UTILITY - 1-800-257-7777  
 COLONIAL PIPELINE CO. - 795-1390  
 BUREAU OF UTILITIES, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS - 313-4900
- 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 THE LINE OF EXCAVATION. PAYMENT FOR SUCH REMOVAL SHALL BE INCLUDED IN THE UNIT PRICE BID FOR CONSTRUCTION OF THE MAIN.
- ALL SEWER MAINS SHALL BE D.I.P. OR P.V.C. UNLESS OTHERWISE NOTED.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- T.B. DENOTES TEST BORING.
- MANHOLES SHOWN WITH 12" AND 18" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS, STANDARD DETAIL G 5.52.
- WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-0" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT THE CELLAR CANNOT BE SERVED.
- ALL WATER HOUSE CONNECTIONS SHALL BE FOR INSIDE METER SETTING, UNLESS OTHERWISE NOTED ON THE PLANS OR IN THE SPECIFICATIONS.
- MANHOLES LOCATED WITHIN THE PROPOSED ROADWAY SHALL HAVE STANDARD HEAVY TRAFFIC MANHOLE FRAMES AND COVERS, STANDARD DETAIL G5.51.
- WATER MAINS AND WATER HOUSE CONNECTION LINES MUST BE PLACED AS TO HAVE ONE (1) FOOT SEPARATION FROM THE SEWER MAIN OR SEWER HOUSE CONNECTION AS THEY PASS ABOUT IT.
- ALL WATER MAINS SHALL 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 ELEVATION SHOWN ON THE DRAWINGS. ALL FIRE HYDRANTS SHALL BE RESTRAINED AND BUTTRESSED WITH CONCRETE IN ACCORDANCE WITH THE STANDARD DETAILS (W1.11 AND W2.13). SOIL AROUND THE FIRE HYDRANT SHALL BE COMPACTED IN ACCORDANCE WITH SECTION 1000 AND 1005 OF THE STANDARD SPECIFICATIONS.
- THE CONTRACTOR SHALL NOT OPERATE ANY WATER MAIN VALVES ON THE EXISTING WATER SYSTEM.
- ALL D.I.P. FITTINGS SHALL BE IN ACCORDANCE WITH AWWA SPECIFICATIONS C-153; DUCTILE IRON COMPACT FITTINGS, 3-INCH THROUGH 12-INCH FOR WATER AND OTHER LIQUIDS.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF HIGHWAYS, HOWARD COUNTY, (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/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.
- THE USE OF MATS SHALL BE REQUIRED FOR CONSTRUCTION EQUIPMENT OPERATED WITHIN THE WETLANDS FROM EX. MANHOLE NO. 21 TO MANHOLE NO. 650.
- ALL TEMPORARY EQUIPMENT CROSSINGS SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE SEWER MAIN CONSTRUCTION.

QUANTITIES				
ITEM	ESTIMATED	AS-BUILT		
		QUANTITIES	TYPE	SUPPLIER
16" C.I.P. SEWER	348 L.F.			
15" SEWER	1,347 L.F.			
MANHOLES	8 EACH			
NAME OF UTILITY CONTRACTOR:				
SURVEY & DRAFTING DIVISION AS-BUILT DATE:				



TYPE OF BUILDING:	COMMERCIAL & RESIDENTIAL
NUMBER OF LOTS:	NOT APPLICABLE
NO. OF WATER HOUSE CONNECTIONS:	N/A
NO. OF SEWER HOUSE CONNECTIONS:	N/A
DRAINAGE AREA:	LITTLE PATUXENT
TREATMENT PLANT:	CATAPOOGA WASTEWATER
TREATMENT PLANT, CITY OF BALTIMORE, 1A RE. 105 P.D.	

PLAN REFERENCE NUMBERS:  
NOT APPLICABLE

**DEVELOPER'S CERTIFICATE**  
 "I HEREBY CERTIFY THAT ALL DEVELOPMENT & CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT & THAT ALL RESPONSIBILITY FOR EROSION CONTROL & SEDIMENT CONTROL SHALL BE THE RESPONSIBILITY OF THE DEVELOPER. I HAVE BEEN ADVISED BY A DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF EROSION & SEDIMENT CONTROL AND ACCORDANCE WITH THE PROJECT. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."  
 Signature of Developer: [Signature] DATE: 2/2/98

**ENGINEER'S CERTIFICATE**  
 "I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL IS PRACTICAL & FEASIBLE. I HAVE BASED MY PROFESSIONAL JUDGMENT OF THE SITE CONDITIONS & THAT IT HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."  
 Signature of Engineer: Paul W. Keibel DATE: Jan. 30, 1998

INTERCEPTOR CAPACITIES	
MANHOLE - MANHOLE	CAPACITY *
EX. MH #21 TO MH # 600	2.75 MG/D
MH # 600 TO MH # 610	2.75 MG/D
MH # 610 TO MH # 620	3.28 MG/D
MH # 620 TO MH # 630	3.00 MG/D
MH # 630 TO MH # 640	3.00 MG/D
MH # 640 TO MH # 650	3.50 MG/D
MH # 650 TO MH # 660	1.95 MG/D
MH # 660 TO MH # 670	1.95 MG/D
MH # 670 TO 16" P.W.G.	2.45 MG/D

- NO 'F' NUMBER -  
 REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 Cheryl Simmons 2/16/98  
 U.S.D.A. NATURAL RESOURCES CONSERVATION SERVICE DATE  
 APPROVED: [Signature] DATE: 2/16/98  
 HOWARD SOIL CONSERVATION DISTRICT  
 \*BASED ON ROUGHNESS COEFFICIENT "n" OF 0.013.

**CONTRACT NO. 20-3601-D**  
**G.T.W.'S LITTLE PATUXENT**  
**INTERCEPTOR AND**  
**SEWER MAIN EXTENSION**  
**HOWARD COUNTY, MARYLAND**

INDEX OF DRAWINGS
SHEET 1: TITLE SHEET / VICINITY MAP
SHEET 2: PLAN - INTERCEPTOR SEWER MAIN
SHEET 3: PLAN & PROFILE - INTERCEPTOR SEWER MAIN
SHEET 4: PROFILE - INTERCEPTOR SEWER MAIN
SHEET 5: SEDIMENT CONTROL - NOTES & DETAILS
SHEET 6: DRAINAGE AREA MAP

SEDIMENT CONTROL MEASURES FOR THIS CONTRACT WILL BE IMPLEMENTED IN ACCORDANCE WITH SECTION 219 OF THE HOWARD COUNTY DESIGN MANUAL & STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREAS AS SHOWN ON THESE PLANS.  
 Signature of Developer: [Signature] DATE: 2/2/98

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND Robert B. Bauman 2-6-98 CHIEF, BUREAU OF UTILITIES DATE	DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND Allen Dammann 2/19/98 CHIEF, DEVELOPMENT ENGINEERING DIVISION DATE	Fisher, Collins & Carter, Inc. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTENNIAL SQUARE OFFICE PARK 10275 Baltimore National Pike Ellicott City, Maryland 21042 (410) 461-2855	#9757 STATE OF MARYLAND TERRELL A. FISHER REGISTERED PROFESSIONAL SURVEYOR	DES: M.J.M./P.W.K. DRWN: M.J.M./J.M.M. CHK: P.W.K. DATE:	TITLE SHEET 600' SCALE MAP NO. 16 BLOCK NO. 10	G.T.W.'S LITTLE PATUXENT INTERCEPTOR AND SEWER MAIN EXTENSION CONTRACT NO. 20-3601-D THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SCALE AS SHOWN SHEET 1 OF 6
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CONTRACT NO. 20-3601-D  
 G.T.W.'S LITTLE PATUXENT INTERCEPTOR AND SEWER MAIN EXTENSION  
 HOWARD COUNTY, MARYLAND

NOTE: EX. 12" W/ALONG MARRIOTTVILLE ROAD CONSTRUCTED UNDER CONTRACT # 44-3480, CAPITAL PROJECT # 1-8203.

PROPERTY OF CHAPELSTE PROSELYTIC CHURCH L. 1887 / F. 1891 PARCEL # 10

**LEGEND**

- EXISTING CONTOURS
- WETLANDS
- EDGE OF WOODS
- LIMIT OF 100-YEAR FLOODPLAIN
- x 433.6 SPOT ELEVATION
- LIMIT OF WETLANDS
- SF SILT FENCE
- L.O.D. LIMITS OF TEMPORARY DISTURBANCE
- TEMPORARY ACCESS ROUTE

SEE SHEET 3 FOR PROFILE OF INTERCEPTOR SEWER MAIN UPSTREAM OF MH #600

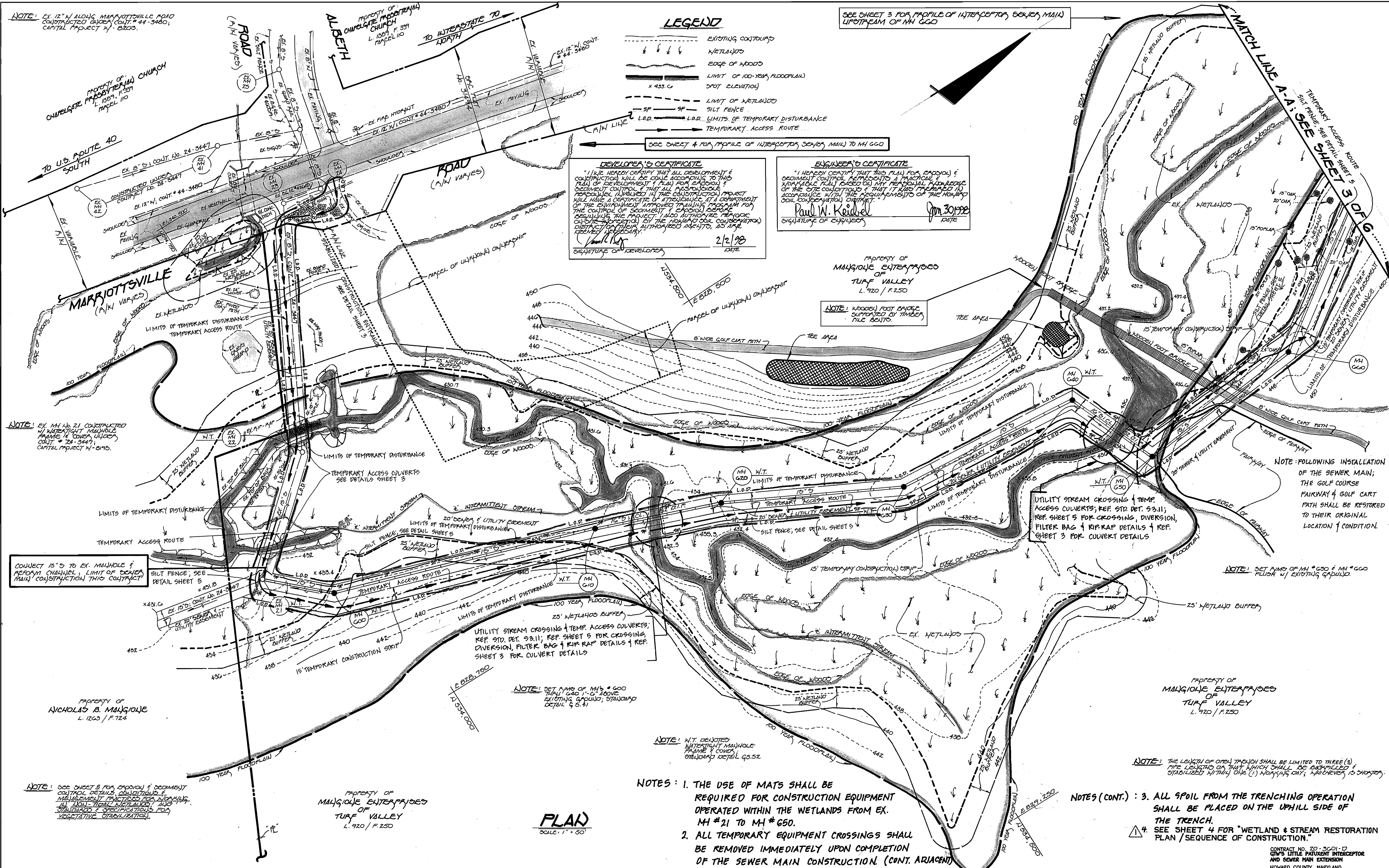
SEE SHEET 4 FOR PROFILE OF INTERCEPTOR SEWER MAIN TO MH #600

**DEVELOPER'S CERTIFICATE**  
 "I HEREBY CERTIFY THAT ALL DEVELOPMENT & CONSTRUCTION WILL BE COMPLETED TO THIS PLAN OF DEVELOPMENT & PLAN FOR EROSION & SEDIMENT CONTROL & THAT ALL RESTORATION WORKS INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT COMPLETION OF THE CONSTRUCTION PROJECT. I AM RESPONSIBLE FOR THE CONTROL OF EROSION & SEDIMENT CONTROL OPERATIONS ON THE PROJECT. I ALSO AUTHORIZE EROSION CONTROL OPERATIONS BY THE MARYLAND CONSERVATION DISTRICT THROUGH THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."  
 Signature of Developer: [Signature]  
 Date: 2/2/98

**ENGINEER'S CERTIFICATE**  
 "I HEREBY CERTIFY THAT THIS PLAN FOR EROSION & SEDIMENT CONTROL REPRESENTS A PRACTICAL KNOWLEDGE OF THE SITE CONDITIONS & THAT IT HAS BEEN PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HARBOR SOIL CONSERVATION DISTRICT."  
 Signature of Engineer: Paul W. Keidrel  
 Date: Jan 30 1998

PROPERTY OF MARIQUOIE ENTERPRISES OF TURF VALLEY L. 920 / F. 150

NOTE: WOODEN FOOT BRIDGE SUPPORTED BY TIMBER PILE SCITS.



NOTE: EX. MH #21 CONSTRUCTED W/ WATER TIGHT MANHOLE FRAME & COVER, 14" DIA. COIT. # 24-3447, CAPITAL PROJECT # 1-8195.

CONNECT 15" S TO EX. MANHOLE & REFORM CHANNEL. LIMIT OF SEWER MAIN CONSTRUCTION THIS CONTRACT.

NOTE: SEE SHEET 5 FOR EROSION & SEDIMENT CONTROL DETAILS, CONSTRUCTION & MANAGEMENT PRACTICES FOR WETLANDS, 100-YEAR FLOODPLAIN, AND STANDARDS & SPECIFICATIONS FOR VEGETATIVE STABILIZATION.

UTILITY STREAM CROSSING & TEMP. ACCESS CULVERTS; REF STD. DET. 93.11; REF. SHEET 5 FOR CROSSING, DIVERSION, FILTER BAG & RIP-RAP DETAILS & REF. SHEET 3 FOR CULVERT DETAILS.

NOTE: SET RIMS OF MH #600 & MH #600 TRAIL G40 1" G ABOVE EXISTING GRAUND, STANDARD DETAIL 93.41

NOTE: W.T. DESIGNATED WATER TIGHT MANHOLE FRAME & COVER; STANDARD DETAIL 93.52

NOTE: THE LENGTH OF OPEN TRENCH SHALL BE LIMITED TO THREE (3) PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED & STABILIZED WITHIN ONE (1) WORKING DAY, WHICHEVER IS SHORTER.

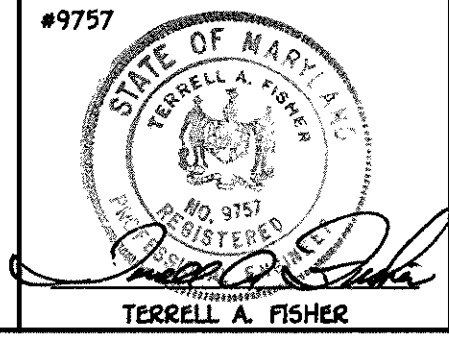
- NOTES:**
1. THE USE OF MATS SHALL BE REQUIRED FOR CONSTRUCTION EQUIPMENT OPERATED WITHIN THE WETLANDS FROM EX. MH #21 TO MH #600.
  2. ALL TEMPORARY EQUIPMENT CROSSINGS SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE SEWER MAIN CONSTRUCTION. (CONT. ADJACENT)

- NOTES (CONT.):**
3. ALL SPOIL FROM THE TRENCHING OPERATION SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.
  4. SEE SHEET 4 FOR "WETLAND & STREAM RESTORATION PLAN / SEQUENCE OF CONSTRUCTION."

DEPARTMENT OF PUBLIC WORKS  
 HOWARD COUNTY, MARYLAND  
 [Signature] 2-6-98  
 CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING  
 HOWARD COUNTY, MARYLAND  
 [Signature] 2/1/98  
 CHIEF, DEVELOPMENT ENGINEERING DIVISION

**Fisher, Collins & Carter, Inc.**  
 CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS  
 CENTENNIAL SQUARE OFFICE PARK  
 10272 Baltimore National Pike  
 Ellicott City, Maryland 21042  
 (410) 481-2855

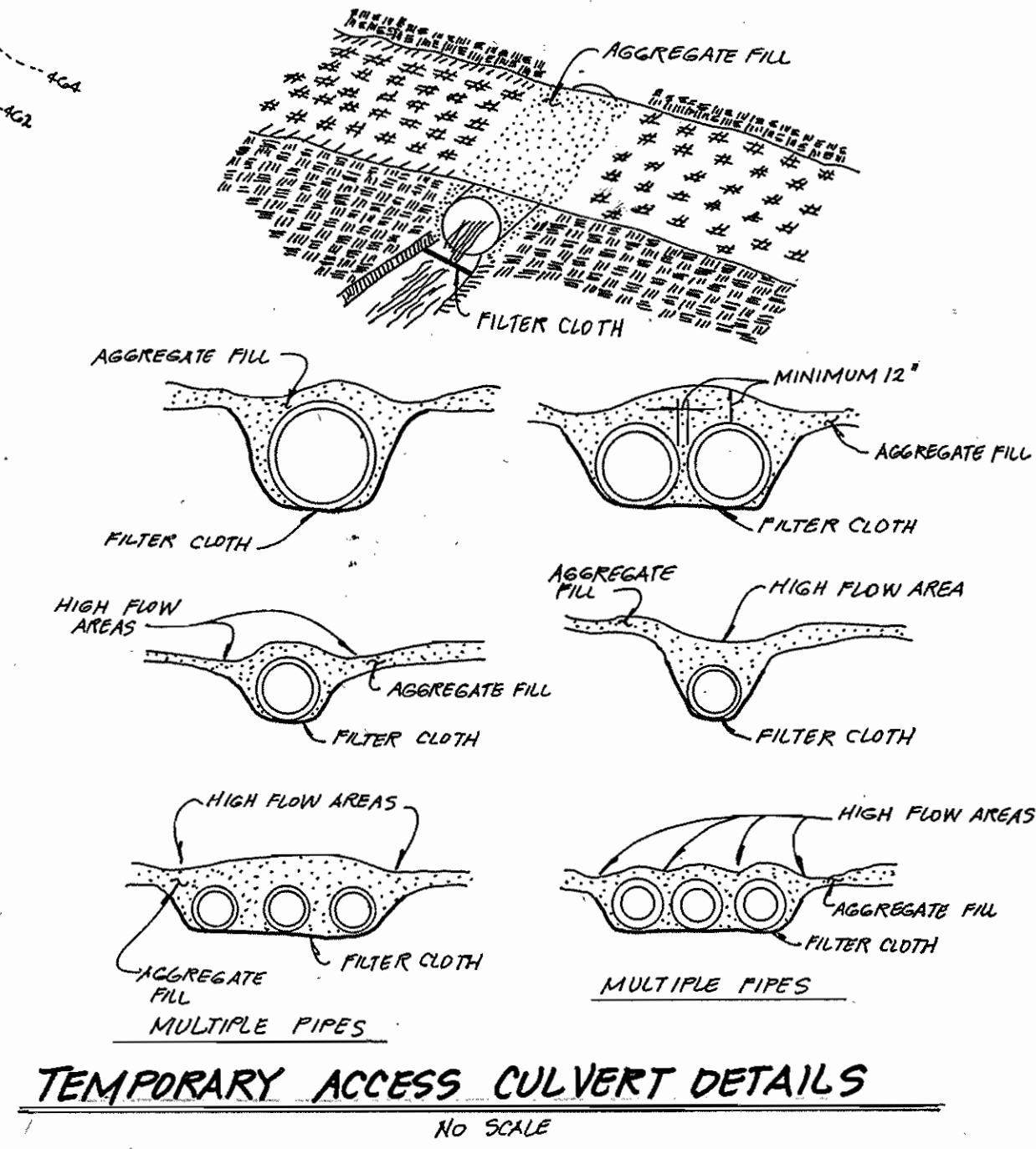
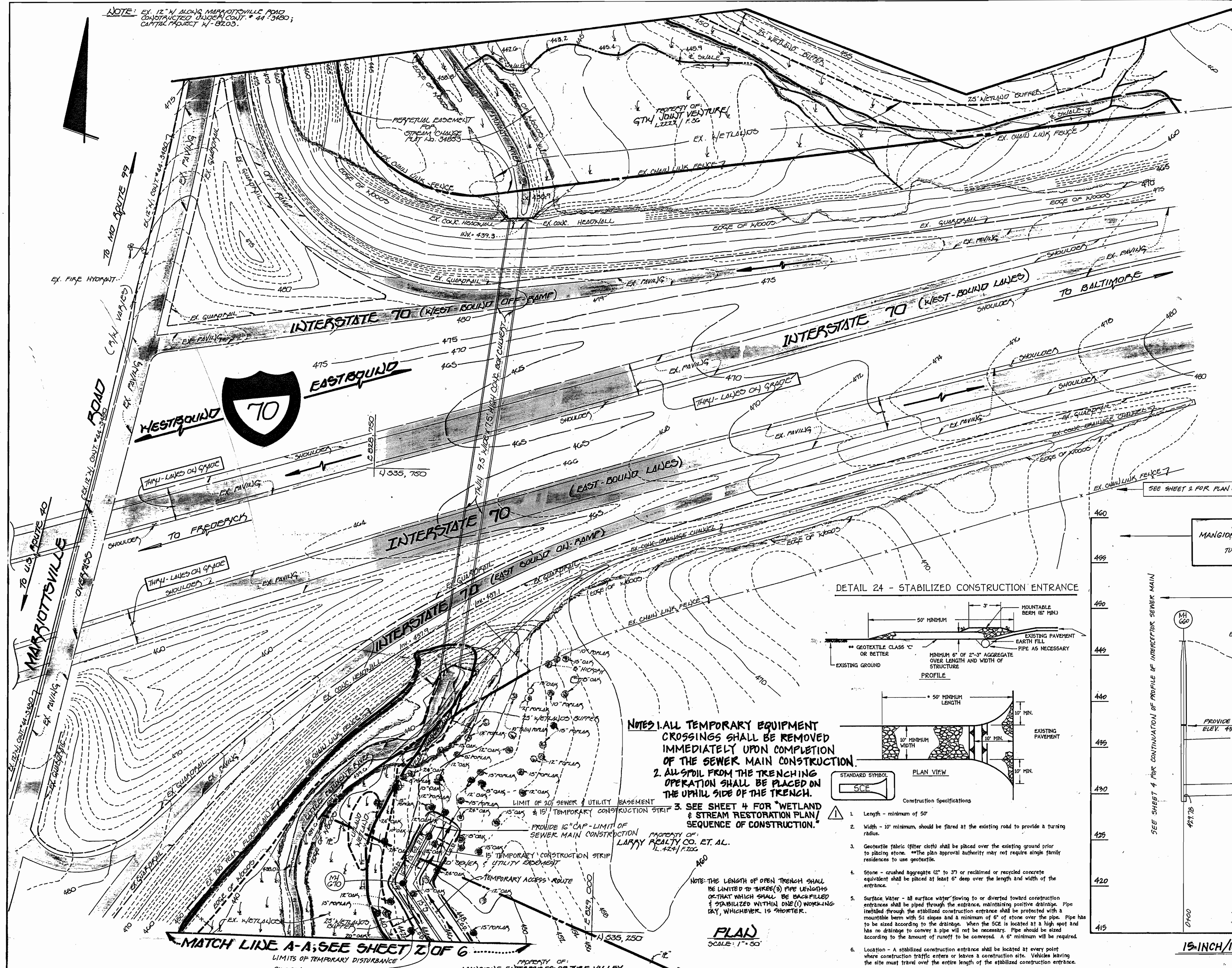


DES: P.W.K.					
DRWN: J.M.M.					
CHK: P.W.K.					
DATE:	FCC	ADD NOTE REFERENCING WETLAND & STREAM REST. / S.O.C.	03/98		
BY NO.	REVISION	DATE			

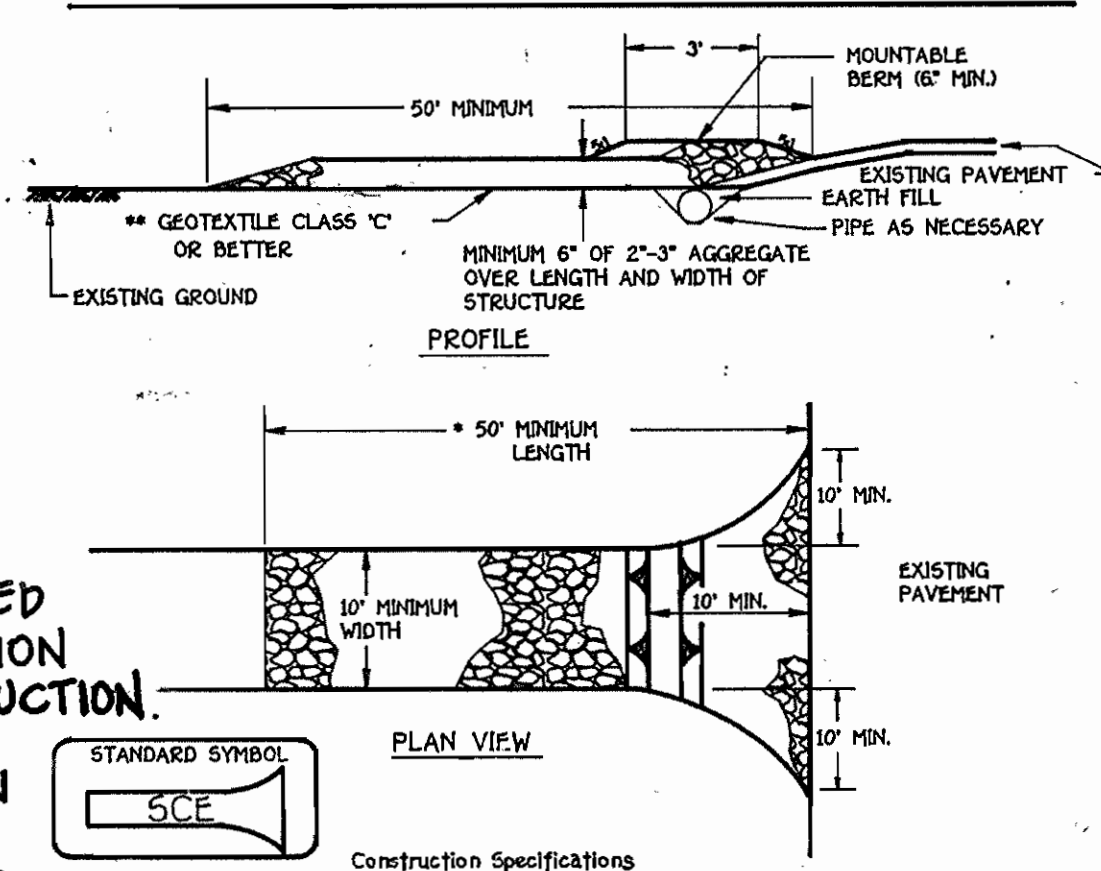
**INTERCEPTOR SEWER MAIN PLAN**  
 600' SCALE MAP NO. 16 BLOCK NO. 10

G.T.W.'S LITTLE PATIENT INTERCEPTOR AND SEWER MAIN EXTENSION  
 CONTRACT NO. 20-3601-0  
 THIRD ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 SCALE AS SHOWN  
 SHEET 2 OF 6

NOTE: EX. 12" W. ALONG MARBOTTSVILLE ROAD  
CONSTRUCTED UNDER CONT. # 44-3480;  
CAPITAL PROJECT #1-8203.



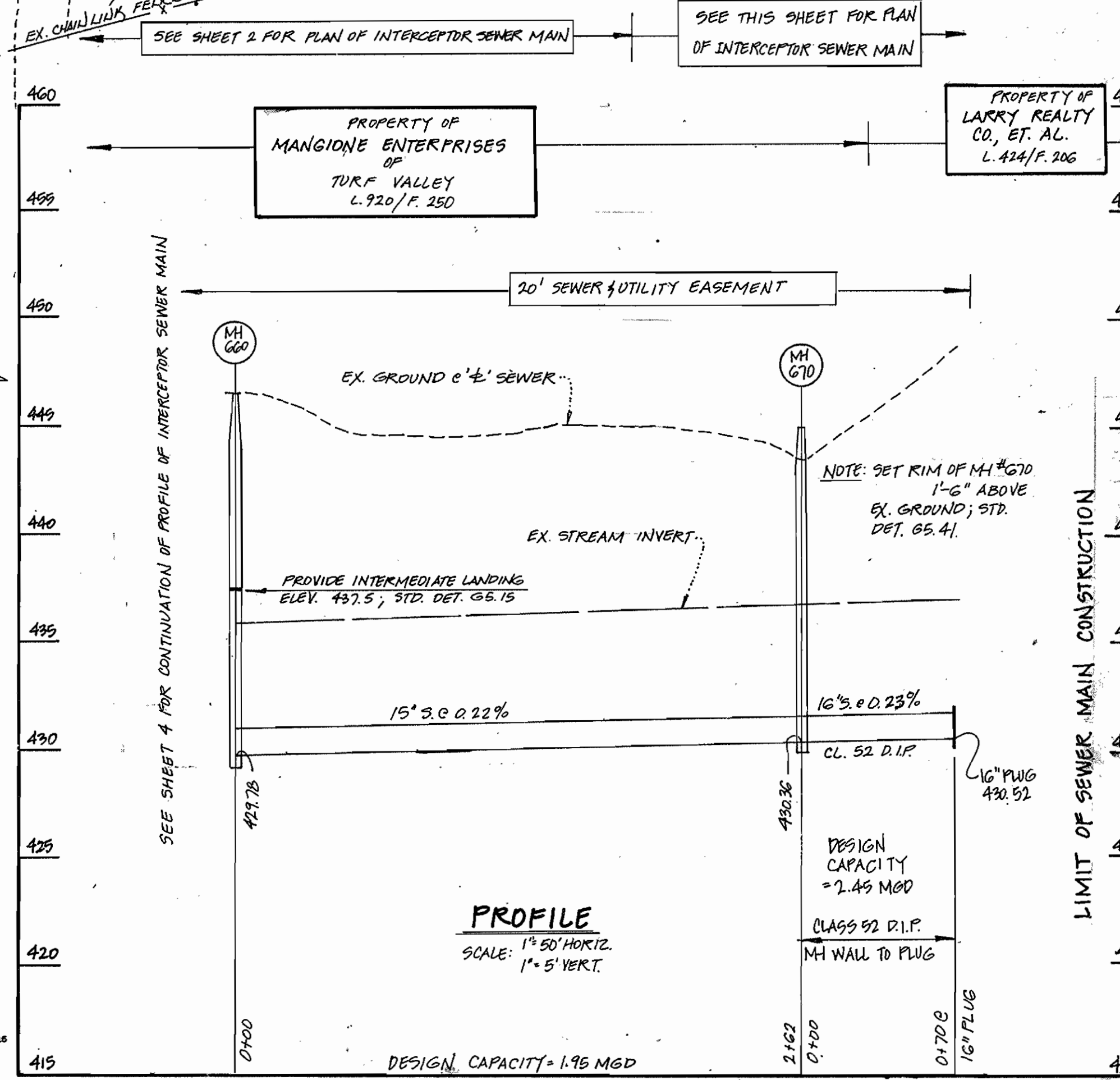
DETAIL 24 - STABILIZED CONSTRUCTION ENTRANCE



NOTES: 1. ALL TEMPORARY EQUIPMENT CROSSINGS SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE SEWER MAIN CONSTRUCTION.  
2. ALL SOIL FROM THE TRENCHING OPERATION SHALL BE PLACED ON THE UPHILL SIDE OF THE TRENCH.  
3. SEE SHEET 4 FOR WETLAND & STREAM RESTORATION PLAN/SEQUENCE OF CONSTRUCTION.

NOTE: THE LENGTH OF OPEN TRENCH SHALL BE LIMITED TO THREE (3) PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED & STABILIZED WITHIN ONE (1) WORKING DAY, WHICHEVER IS SHORTER.

PLAN  
SCALE: 1" = 50'



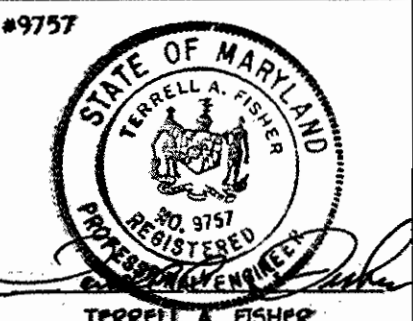
15-INCH/16-INCH INTERCEPTOR SEWER MAIN

CONTRACT NO. 20-3601-D  
G.T.W.'S LITTLE PATRICK INTERCEPTOR  
AND SEWER MAIN EXTENSION  
HOWARD COUNTY, MARYLAND

DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND  
2-6-98  
DATE

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND  
2/19/98  
DATE

Fisher, Collins & Carter, Inc.  
CIVIL ENGINEERING CONSULTANTS &  
LAND SURVEYORS  
CENTENNIAL SQUARE OFFICE PARK  
11072 Baltimore National Pike  
Ellicott City, Maryland 21042  
(410) 481-2855



DES: P.W.K.  
DRAWN: J.H.M.  
CHK: P.W.K.  
DATE: \_\_\_\_\_  
FCC  
BY: \_\_\_\_\_  
NO: \_\_\_\_\_  
REVISION: \_\_\_\_\_  
DATE: \_\_\_\_\_

INTERCEPTOR SEWER MAIN  
PLAN

G.T.W.'S LITTLE PATRICK INTERCEPTOR  
AND SEWER MAIN EXTENSION  
CONTRACT NO. 20-3601-D  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND  
SCALE AS SHOWN  
SHEET 3 OF 6

**WETLAND AND STREAM RESTORATION PLAN**

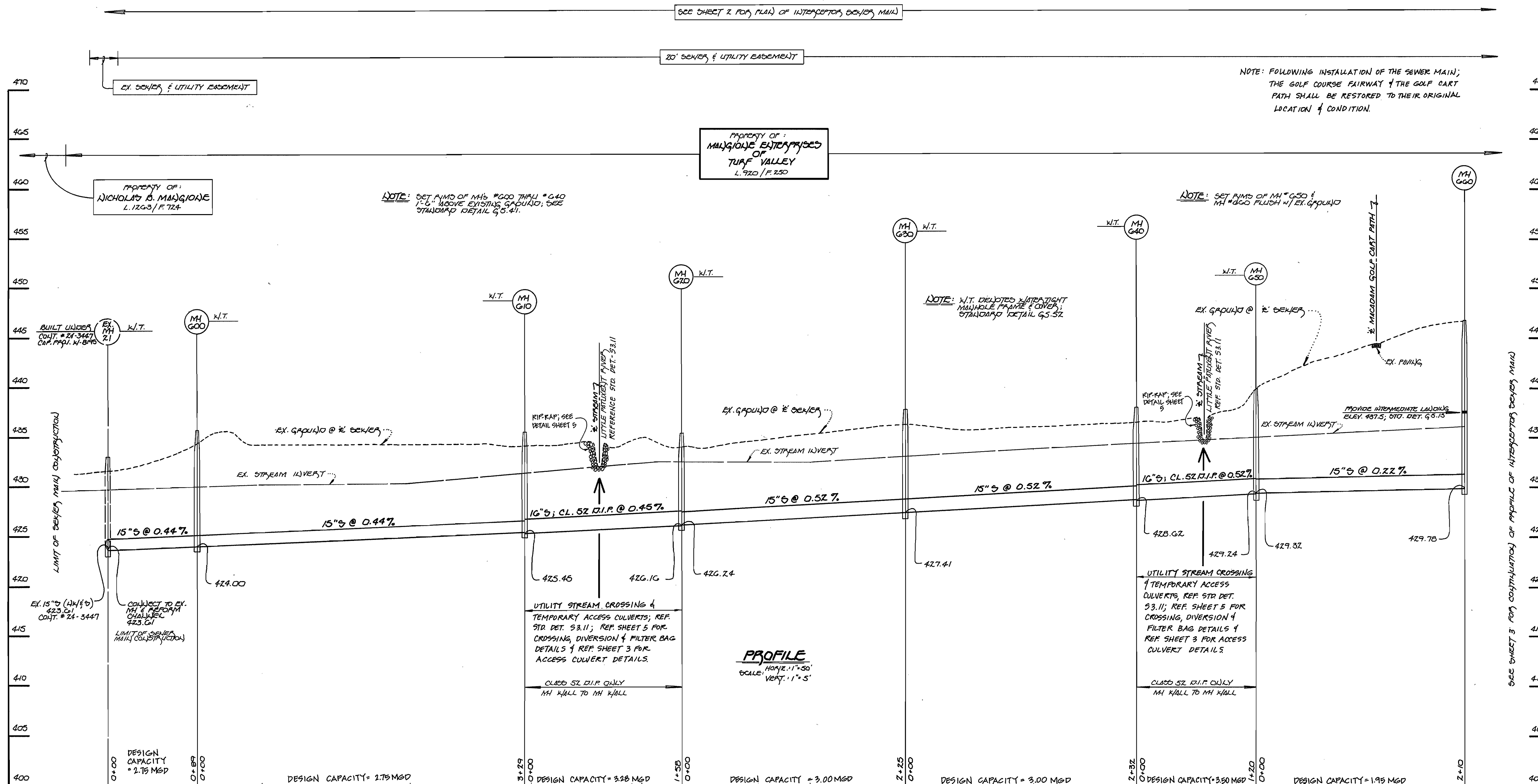
**SEQUENCE OF CONSTRUCTION**

1. INSTALL TEMPORARY STREAM CROSSING AS PER THE DETAIL PROVIDED. (SEE SHEET 3 OF 6).
2. INSTALL CONSTRUCTION MATS TO PROTECT THE WETLAND AREAS DURING CONSTRUCTION. THE MATS WILL BE UTILIZED BETWEEN MANHOLE # 21 TO MANHOLE # 650.
3. REMOVE THE TOP 6" OF MATERIAL (COMPLETE WITH ROOTMATS IN THE EMERGENT AREAS) AND STOCKPILE SEPARATELY FOR RE-INSTALLATION.
4. INSTALL THE SEWER LINE AS PER CONTRACT DRAWING # 20-3601-D.
5. BACKFILL TO EXISTING GRADE UTILIZING THE STOCKPILED MATERIAL EXCAVATED FROM THE WETLAND AREAS; REPLACING THE ROOT MATS WHERE POSSIBLE.
6. UPON COMPLETION OF THE RIP-RAP INSTALLATION FOR THE STREAM CROSSING, 2' DORMANT BLACK WILLOW STAKES ARE TO BE TOUNDED INTO THE BANKS WITH THE RIP-RAP COVER 2' ON CENTER. THESE STAKES ARE TO BE HARVESTED AND INSTALLED BETWEEN NOVEMBER 1 TO FEBRUARY 28 OR WILL BE REFRIGERATED TO MAINTAIN A DORMANT STATE.
7. TEMPORARY STREAM CROSSING WILL BE REMOVED.

NOTE: 1) ALL CONSTRUCTION AND POST-CONSTRUCTION ACTIVITIES SHALL CONFORM TO THE BEST MANAGEMENT PRACTICES FOR WORKING IN NON-TIDAL WETLANDS. (SEE SHEET 5 OF 6).  
2) THE STREAM CLOSURE PERIOD FOR A CLASS 1 STREAM IS MARCH 1 TO JUNE 15.

NOTES: 1. THE USE OF MATS SHALL BE REQUIRED FOR CONSTRUCTION EQUIPMENT OPERATED WITHIN THE WETLANDS FROM EX. MH #21 TO MH #650.  
2. ALL TEMPORARY EQUIPMENT CROSSINGS SHALL BE REMOVED IMMEDIATELY UPON COMPLETION OF THE SEWER MAIN CONSTRUCTION.

NOTE: THE LENGTH OF OPEN TRENCH SHALL BE LIMITED TO THREE(3) PIPE LENGTHS OR THAT WHICH SHALL BE BACKFILLED & STABILIZED WITHIN ONE (1) WORKING DAY, WHICHEVER IS SHORTER.



**15-INCH / 16-INCH INTERCEPTOR SEWER MAIN**

NOTE: SEE THIS SHEET FOR "WETLAND & STREAM RESTORATION PLAN/ SEQUENCE OF CONSTRUCTION."

NOTE: FOLLOWING INSTALLATION OF THE SEWER MAIN, THE GOLF COURSE FAIRWAY & THE GOLF CART PATH SHALL BE RESTORED TO THEIR ORIGINAL LOCATION & CONDITION.

NOTE: SET RIMS OF MH #600 SHALL BE 6" ABOVE EXISTING GRADE; SEE STANDARD DETAIL G.5.41.

NOTE: SET RIMS OF MH #650 & MH #600 FLUSH W/ EX. GRADE

NOTE: W.T. DETOTES W/TRAIGHT MANHOLE FRAME & COVERS; STANDARD DETAIL G.5.32

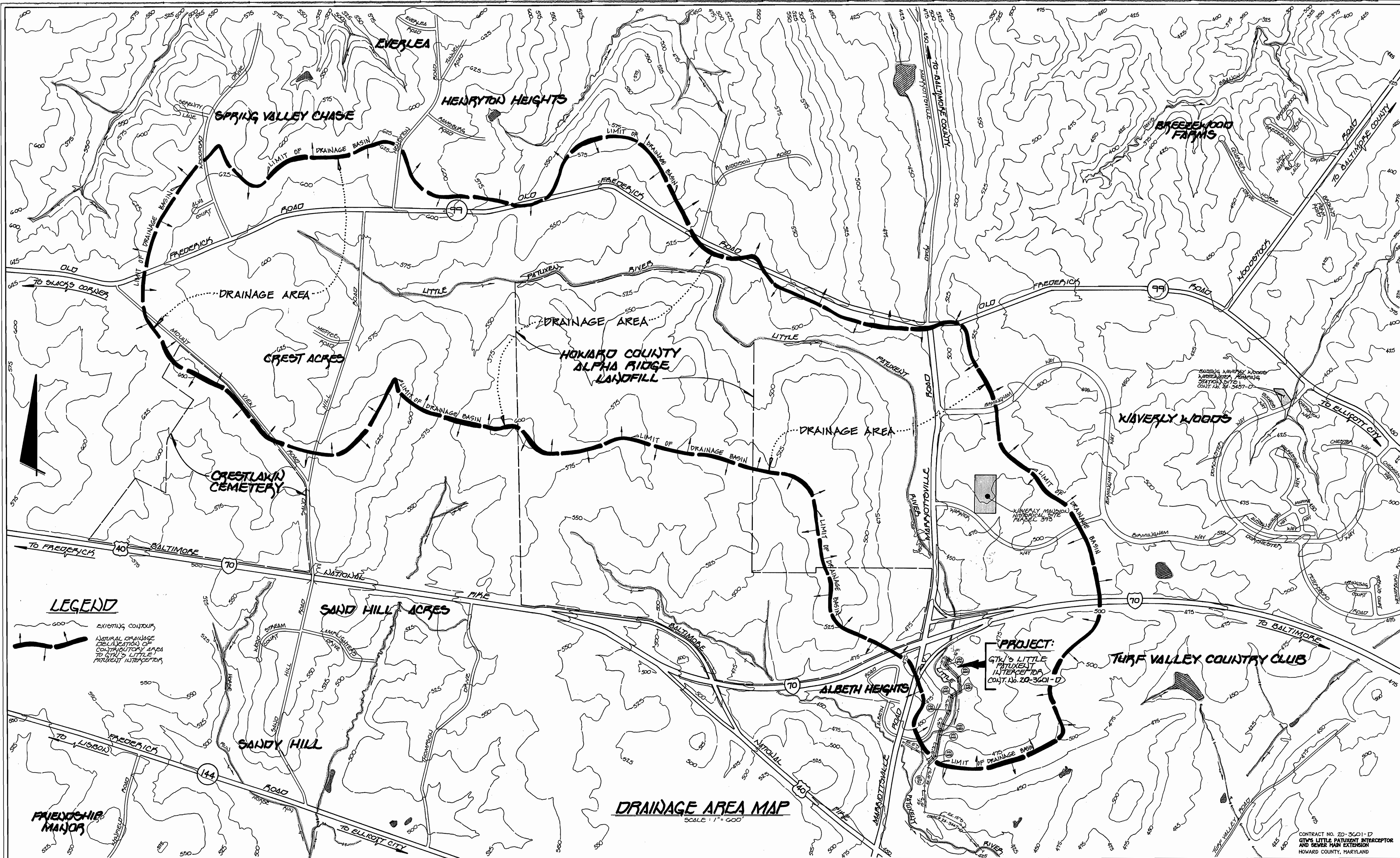
UTILITY STREAM CROSSING & TEMPORARY ACCESS CULVERTS, REF. STD DET. 53.11; REF. SHEET 5 FOR CROSSING, DIVERSION & FILTER BAG DETAILS & REF. SHEET 3 FOR ACCESS CULVERT DETAILS.

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

SEE SHEET 3 FOR CONTINUATION OF PROFILE OF INTERCEPTOR SEWER MAIN

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND 2-6-98 DATE		DEPARTMENT OF PLANNING AND ZONING HOWARD COUNTY, MARYLAND 2/19/98 DATE		Fisher, Collins & Carter, Inc. CIVIL ENGINEERING CONSULTANTS & LAND SURVEYORS CENTENNIAL SQUARE OFFICE PARK 10272 Baltimore National Pike Ellicott City, Maryland 21042 (410) 481-2855		STATE OF MARYLAND TERRILL A. FISHER REGISTERED PROFESSIONAL ENGINEER 9757		DESIGNED BY: P.W.K. DRAWN BY: J.M.M. CHECKED BY: P.W.K. DATE:		INTERCEPTOR SEWER MAIN PROFILE 60" SCALE MAP NO. 18 BLOCK NO. 10 F.C.C. WORK ORDER NO. 367 FILE NAME: 52/DRAWINGS/527		G.T.W.'S LITTLE PATUXENT INTERCEPTOR AND SEWER MAIN EXTENSION CONTRACT NO. 20-3601-D THIRD ELECTION DISTRICT HOWARD COUNTY, MARYLAND SCALE AS SHOWN SHEET 4 OF 6	
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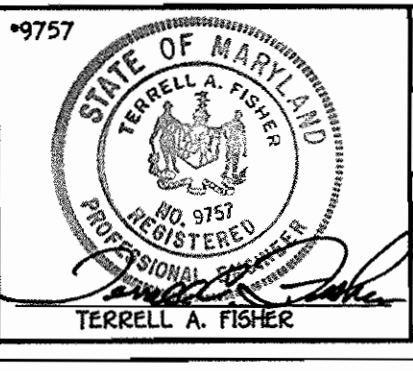
DEPARTMENT OF PUBLIC WORKS  
HOWARD COUNTY, MARYLAND

*Robert M. Bennett* 2-6-98  
CHIEF, BUREAU OF UTILITIES

DEPARTMENT OF PLANNING AND ZONING  
HOWARD COUNTY, MARYLAND

*John Dammann* 2/19/98  
CHIEF, DEVELOPMENT ENGINEERING DIVISION

**Fisher, Collins & Carter, Inc.**  
CIVIL ENGINEERING CONSULTANTS &  
LAND SURVEYORS  
CENTRAL SQUARE OFFICE PARK  
10272 Baltimore National Pike  
Ellicott City, Maryland 21042  
(410) 481-2855



DESIGNED BY:	P.W.K.	
DRAWN BY:	J.M.M.	
CHECKED BY:	P.W.K.	
DATE:		
BY NO.	REVISION	DATE

**DRAINAGE AREA MAP**  
SCALE: 1" = 600'

600' SCALE MAP NO. 18 BLOCK NO. 10  
F.C.C. WORK ORDER NO. 327  
FILE NAME: G/DRAWINGS/327/

**G.T.W.'S LITTLE PATUXENT INTERCEPTOR  
AND SEWER MAIN EXTENSION**

CONTRACT NO. 20-3601-D  
THIRD ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN  
SHEET 6 OF 6