
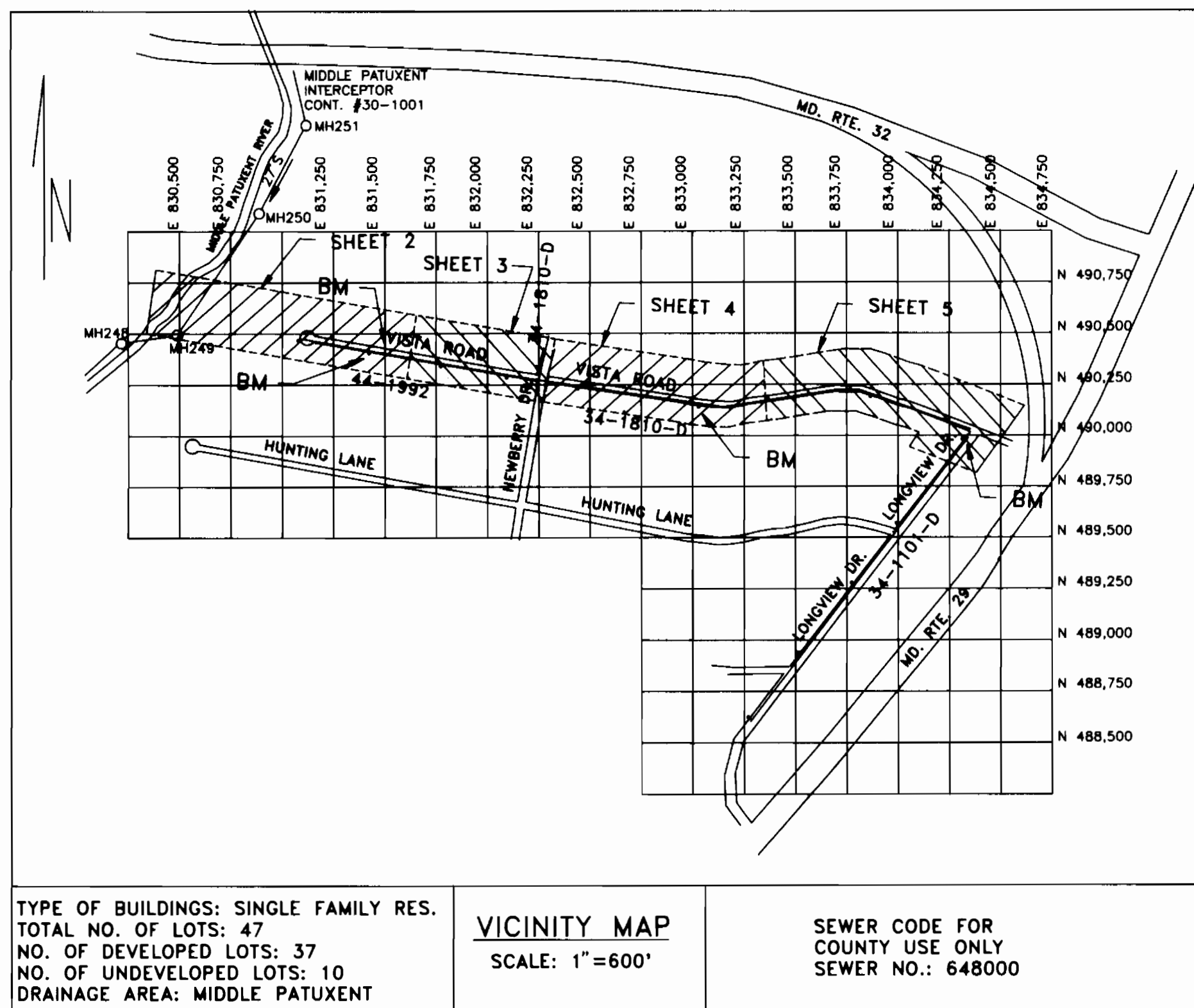


GENERAL NOTES

- APPROXIMATE LOCATION OF EXISTING MAINS ARE SHOWN. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT EXISTING MAINS, 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 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 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.
- 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 AT ALL TIMES.
- 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.
- THE CONTRACTOR SHALL NOTIFY THE FOLLOWING UTILITIES OR AGENCIES AT LEAST FIVE WORKING DAYS BEFORE STARTING WORK SHOWN ON THESE PLANS:
BALTIMORE GAS AND ELECTRIC CO. - CONTRACTOR SERVICE: 850-4620
BALTIMORE GAS AND ELECTRIC CO. - UNDERGROUND DAMAGE CONTROL: 859-9004
BALTIMORE GAS AND ELECTRIC CO. - TROUBLE SHOOTING: 298-9001
BUREAU OF UTILITIES, HOWARD COUNTY DEPT. OF PUBLIC WORKS: 313-4900
C & P TELEPHONE COMPANY: 597-8585
MISS UTILITY: 1-800-257-7777
COLONIAL PIPELINE CO. - 795-1390
STATE HIGHWAY ADMINISTRATION - 531-5533
- 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 SEWER MAINS SHALL BE C.S.P.X., R.C.S.P., V.C.P.X., OR P.V.C. UNLESS OTHERWISE NOTED.
- THE CONTRACTOR SHALL PROVIDE A JOINT IN ALL SEWER MAINS WITHIN 2'-0" OF EXTERIOR MANHOLE WALL.
- ALL MANHOLES SHALL BE 4'-0" INSIDE DIAMETER UNLESS OTHERWISE NOTED.
- FORCE MAINS SHALL BE D.I.P. ONLY.
- MANHOLES SHOWN WITH 12" AND 16" WALLS ARE FOR BRICK MANHOLES ONLY.
- MANHOLES DESIGNATED W.T. IN PLAN AND PROFILE SHALL HAVE WATERTIGHT FRAME AND COVERS. STANDARD DETAIL G5.52. WHERE WATERTIGHT MANHOLE FRAME AND COVER IS USED, SET TOP OF FRAME 1'-6" ABOVE FINISHED GRADE UNLESS OTHERWISE NOTED ON THE DRAWINGS.
- HOUSE(S) WITH THE SYMBOL "C.N.S." INDICATES THAT CELLAR CANNOT BE SERVED.
- TRENCH REPAIR TO BE IN ACCORDANCE WITH HOWARD COUNTY STANDARD DETAILS.
- ALL WORK WILL BE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- LENGTH OF OPEN TRENCH WILL BE LIMITED TO THAT WHICH CAN BE FILLED AND STABILIZED WITHIN ONE WORKING DAY, OR (3)THREE PIPE LENGTHS WHICHEVER IS LESS.



INDEX OF DRAWINGS

SHEET NO.	TITLE	DWG. NO.
1	TITLE SHEET AND GENERAL NOTES	G-1
2	PLAN AND PROFILE	PP - 1
3	PLAN AND PROFILE	PP - 2
4	PLAN AND PROFILE	PP - 3
5	PLAN AND PROFILE	PP - 4
6	SOIL AND SEDIMENT CONTROL DETAILS	SC - 1

CAPITAL PROJECT NO. S-6164 ELECTION DISTRICT NO. 5 VISTA ROAD SEWER HOWARD COUNTY, MARYLAND CONTRACT NO. 30-3123

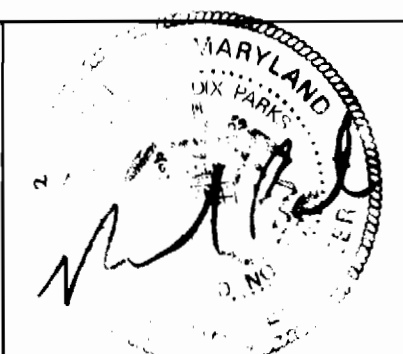
ITEM	QUANTITIES		TYPE MATERIAL	SUPPLIER
	ESTIM.	AS BLT.		
PART A				
SANITARY SEWER MAIN, 8"	4049 LF			
STANDARD 4'-0" MANHOLE	12 EA.			
5'-0" MANHOLE TO TIE INTO EXISTING 27" SANITARY SEWER INTERCEPTOR	1 EA.			
TYPE 'R' 4'-0" DROP MANHOLE	5 EA.			
STANDARD 4'-0" SHALLOW MANHOLE	1 EA.			
TYPE 'A' DROP MANHOLE, 4'-0"	1 EA.			
PART B				
SANITARY SEWER HOUSE CONNECTION, 4"	1150 LF			

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS
James M. Taha (ss) 9/18/91
 SIGNATURE DATE
 U.S. SOIL CONSERVATION SERVICE

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT
 APPROVED:
Stephen V. [Signature] 9/18/91
 SIGNATURE DATE

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
James M. Taha 9/16/91 DIRECTOR OF PUBLIC WORKS - DATE
Robert [Signature] 9/11/91 CHIEF, BUREAU OF UTILITIES - DATE
[Signature] 9/6/91 CHIEF, BUREAU OF ENGINEERING - DATE
[Signature] 9/6/91 CHIEF, UTILITY DESIGN DIVISION - DATE

PSC ENGINEERS & CONSULTANTS, INC.
 7470 NEW TECHNOLOGY WAY
 FREDERICK, MARYLAND 21701
 301-662-3874



DES: A.J.R.			
DRN: A.C.M.			
CHK: R.D.P.			
DATE: 8-9-91			
BY NO		REVISION	DATE

CONTRACT NO. 30-3123
 600' SCALE MAP NO. 41 BLOCK NO. 5.6

VISTA ROAD SEWER EXTENSION
 CAPITAL PROJECT S-6164
 ELECTION DISTRICT NO. 5
 HOWARD COUNTY, MARYLAND

SCALE NONE
 SHEET 1 OF 6
 DWG. NO. G-1

12/20/90 FILENAME: vista sewer

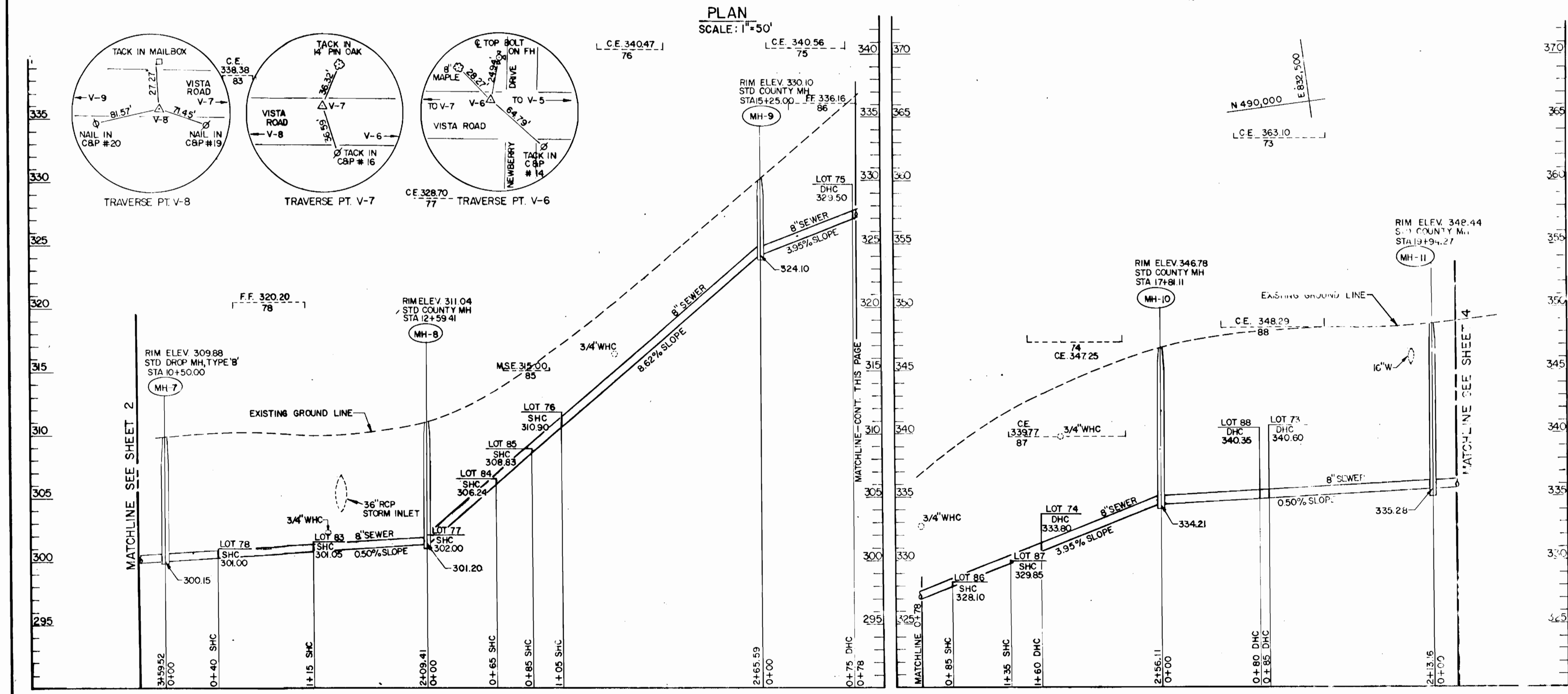
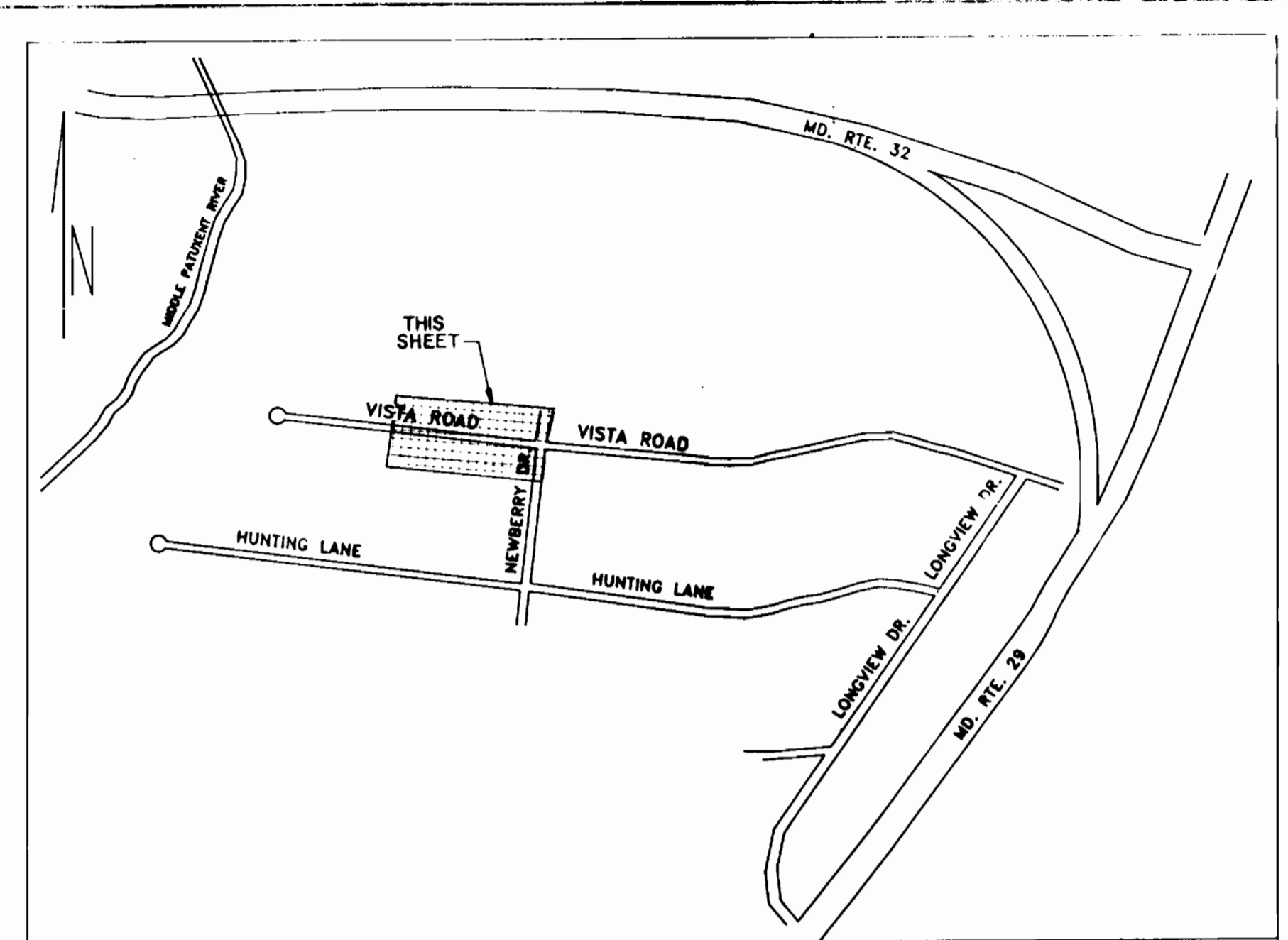
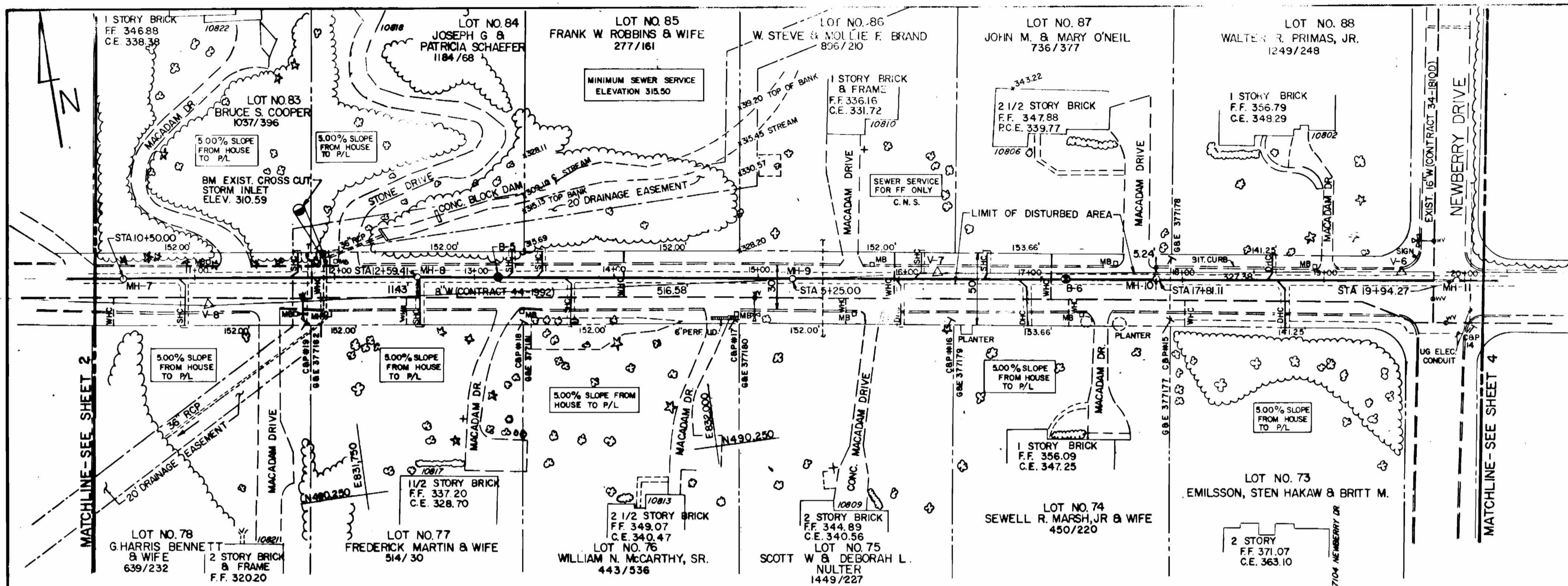
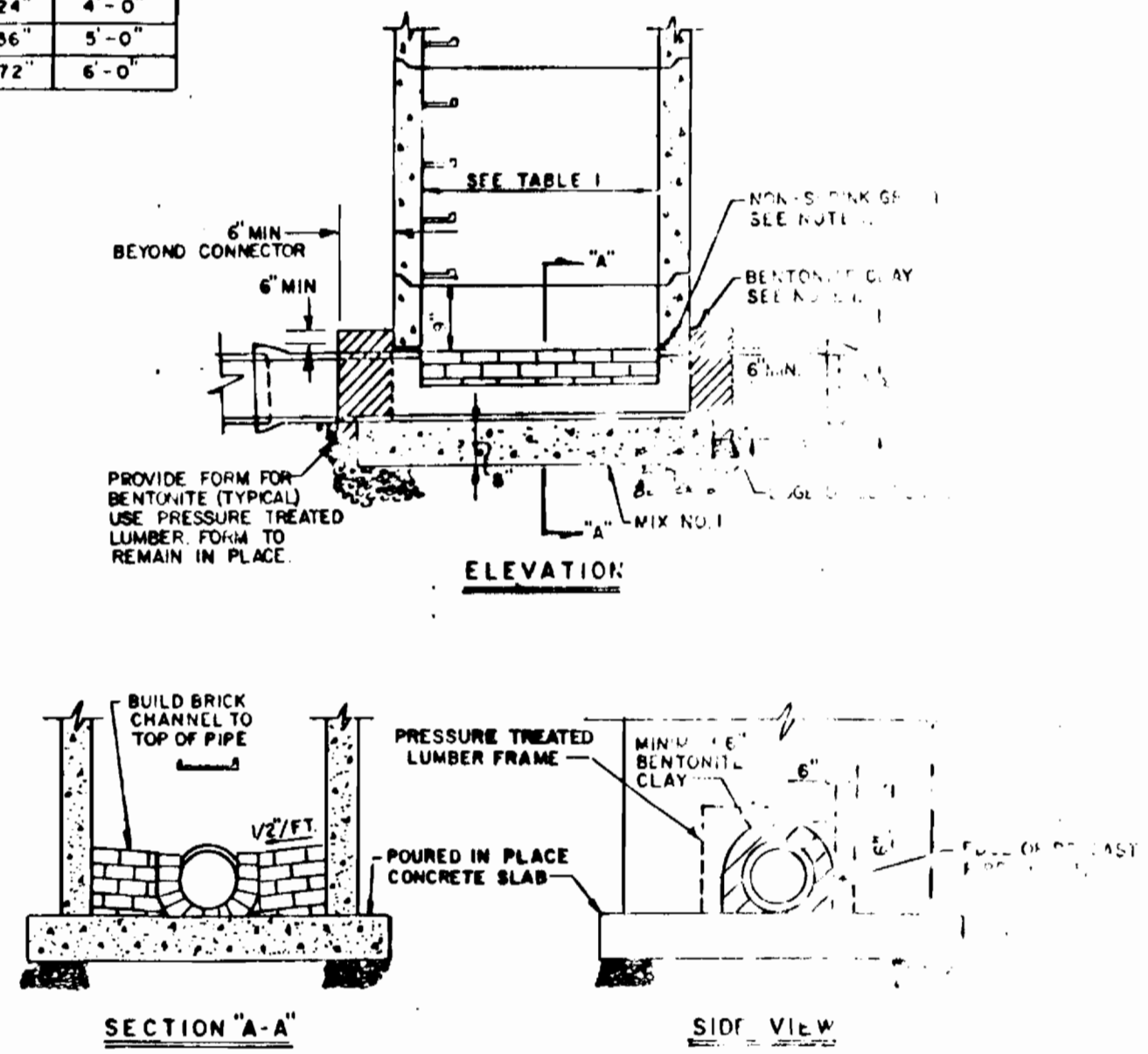


TABLE I

PIPE SIZE	REQUIRED M.M. DIA.
8" - 24"	4" - 0"
27" - 36"	5" - 0"
42" - 72"	6" - 0"



NOTES:

- SPACE BETWEEN PIPE AND MANHOLE WALLS TO BE FILLED WITH NON-SHRINKING GROUT AND COVERED WITH MINIMUM 6" BENTONITE CLAY, LUMBER FRAME TO BE PROVIDED TO ENSURE 6" BENTONITE OVERLAP ONTO PRECAST MANHOLE UNIT, AND REMAIN IN PLACE.
- OUTSIDE EDGE OF MANHOLE TO BE NOT LESS THAN 2'-0" FROM ANY EXISTING PIPE JOINT.
- PRECAST REINFORCED CONCRETE MANHOLE SHALL BE FURNISHED IN ACCORDANCE WITH A.S.T.M. DESIGNATION: C478.

MANHOLE OVER EXISTING PIPE
NTS

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Robert M. ...
DIRECTOR OF PUBLIC WORKS - DATE 9-11-91
CHIEF, BUREAU OF UTILITIES - DATE

...
CHIEF, BUREAU OF ENGINEERING - DATE
CHIEF, UTILITY DESIGN DIVISION - DATE

PSC ENGINEERS & CONSULTANTS, INC.

7470 NEW TECHNOLOGY WAY
FREDERICK, MARYLAND 21701
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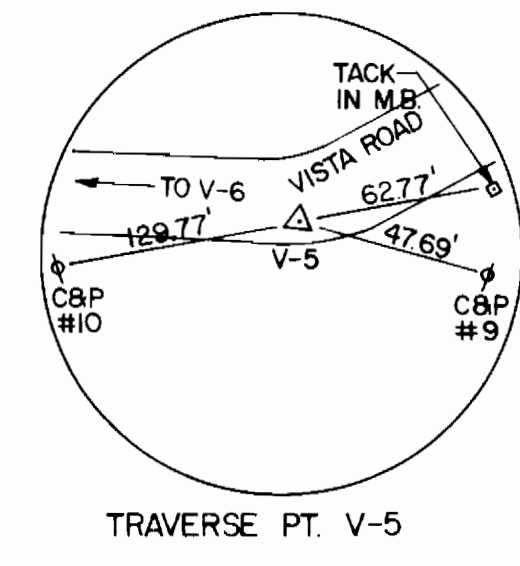
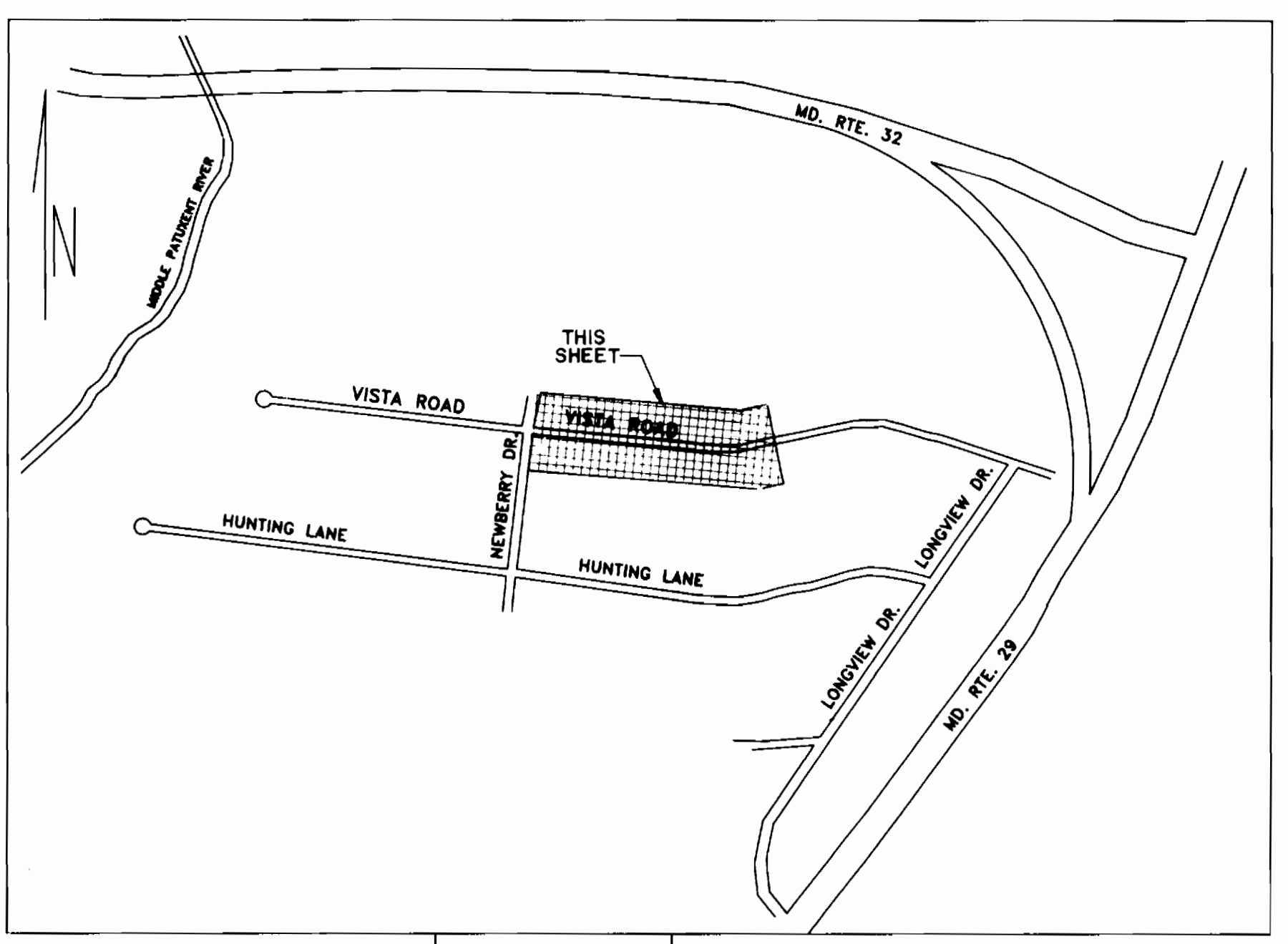
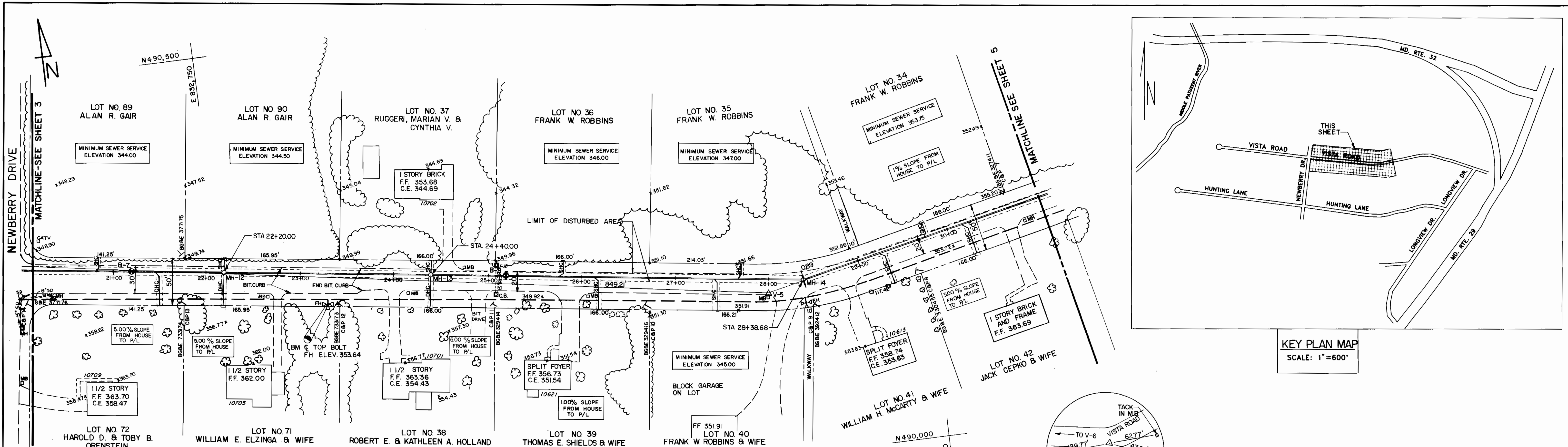


DES: A.J.R.				
DRN: A.C.M.				
CHK: R.D.P.				
DATE: 8-9-91	BY	NO	REVISION	DATE

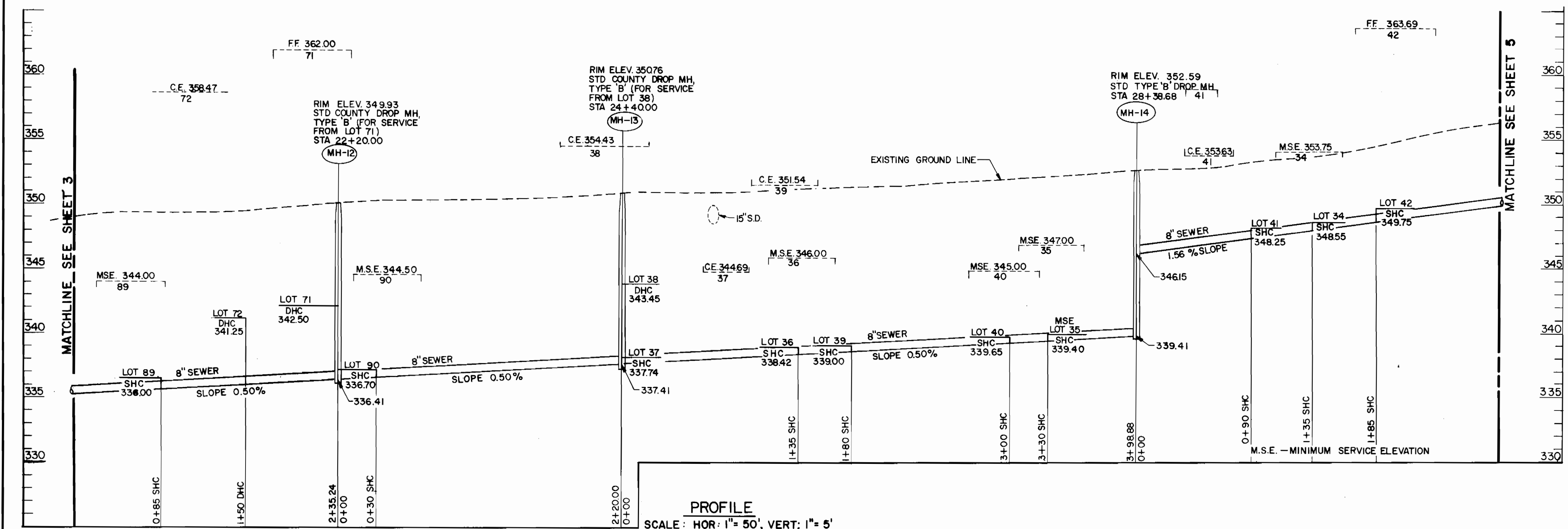
PLAN AND PROFILE
SEWER EXTENSION
CONTRACT NO. 30-3123
BLOCK NO. 5

VISTA ROAD SEWER EXTENSION
CAPITAL PROJECT S-6164
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SHEET 3 of 6
DWG. NO. PP-2



PLAN
SCALE: 1" = 50'



PROFILE
SCALE: HOR: 1" = 50', VERT: 1" = 5'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James P. ...
DIRECTOR OF PUBLIC WORKS - DATE

Robert ...
CHIEF, BUREAU OF UTILITIES - DATE

...
CHIEF, BUREAU OF ENGINEERING - DATE

...
CHIEF, UTILITY DESIGN DIVISION - DATE

PSC ENGINEERS & CONSULTANTS, INC.

7470 NEW TECHNOLOGY WAY
FREDERICK, MARYLAND 21701
301-662-3874



DES: A.J.R.			
DRN: A.C.M.			
CHK: R.D.P.			
DATE: 8-9-91	BY	NO.	REVISION

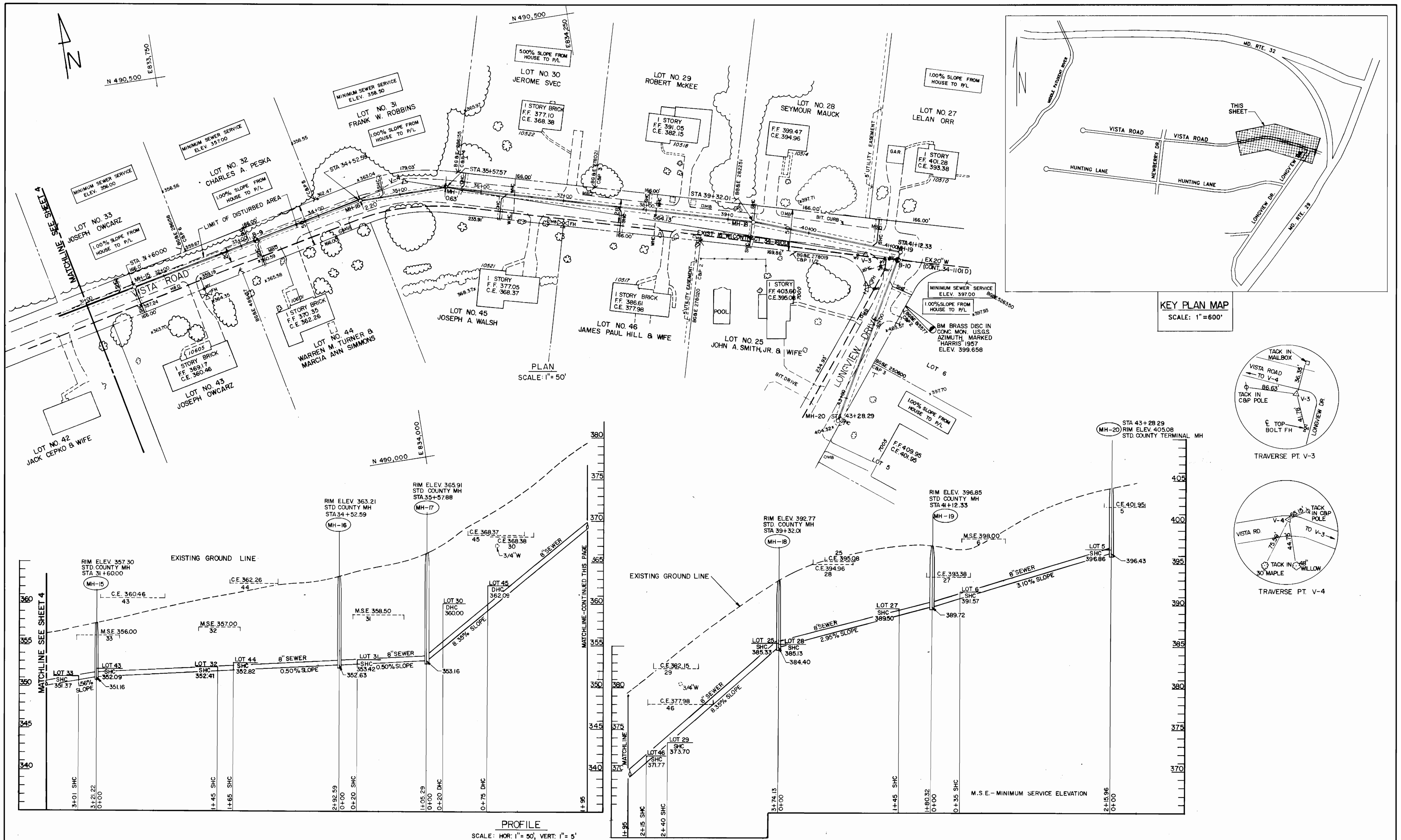
PLAN AND PROFILE
SEWER EXTENSION

CONTRACT NO. 30-3123
DATE 1"=600' SCALE MAP NO. 41 BLOCK NO. 6

VISTA ROAD SEWER EXTENSION
CAPITAL PROJECT S-6164

ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 4 of 6
DWG. NO. PP-3



KEY PLAN MAP
SCALE: 1"=600'

PLAN
SCALE: 1"=50'

PROFILE
SCALE: HOR: 1"=50', VERT: 1"=5'

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James M. ...
DIRECTOR OF PUBLIC WORKS - DATE

William S. ...
CHIEF, BUREAU OF ENGINEERING - DATE

Robert ...
CHIEF, BUREAU OF UTILITIES - DATE

Ch. ...
CHIEF, UTILITY DESIGN DIVISION - DATE

PSC ENGINEERS & CONSULTANTS, INC.

7470 NEW TECHNOLOGY WAY
FREDERICK, MARYLAND 21701

301-662-3874



DES: A.J.R.			
DRN: A.C.M.			
CHK: R.D.P.			
DATE: 8-9-91			
BY	NO	REVISION	DATE

PLAN AND PROFILE

SEWER EXTENSION

CONTRACT NO. 30-3123
1"=600' SCALE MAP NO. 41 BLOCK NO. 6

VISTA ROAD SEWER EXTENSION
CAPITAL PROJECT S-6164

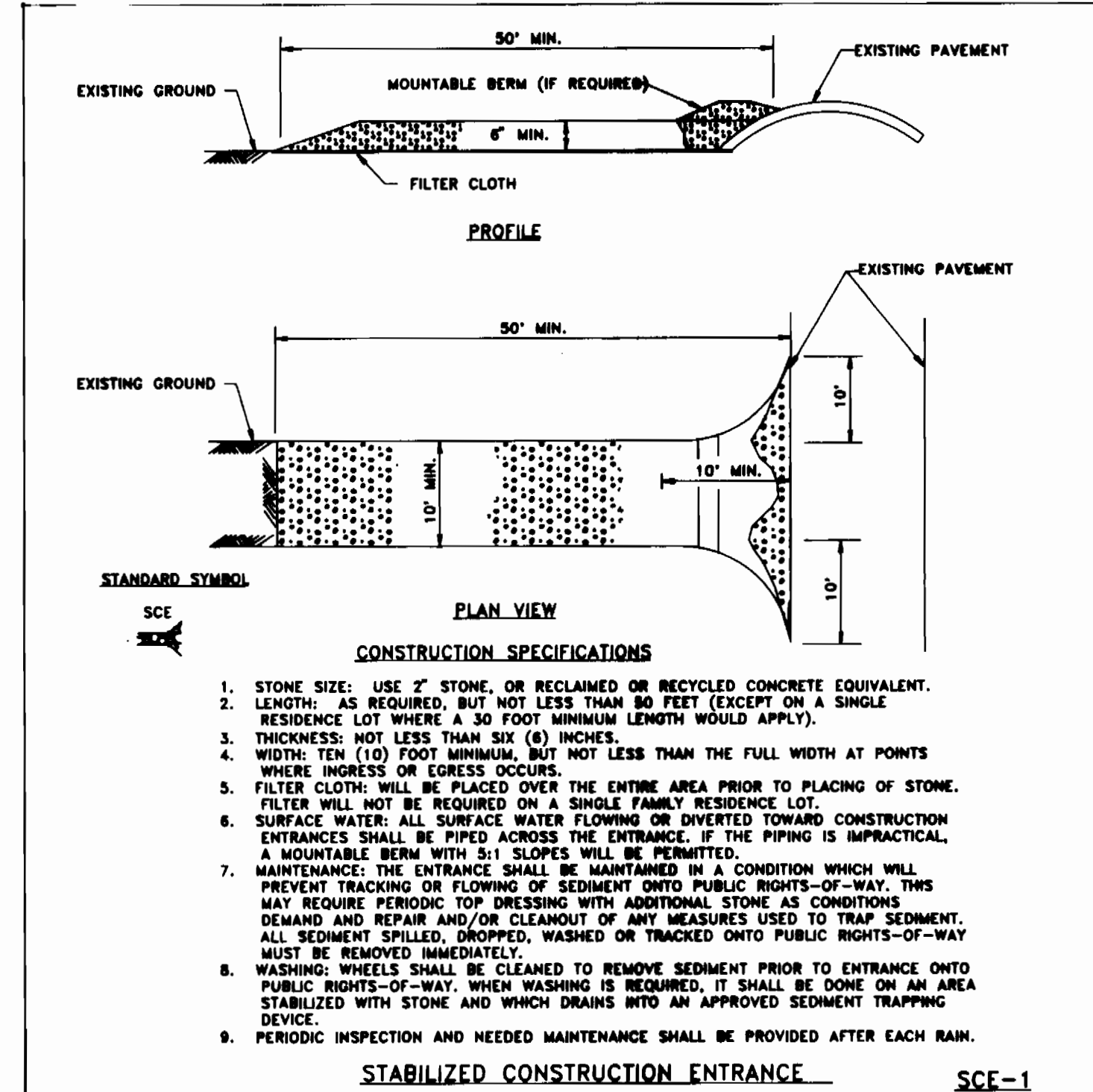
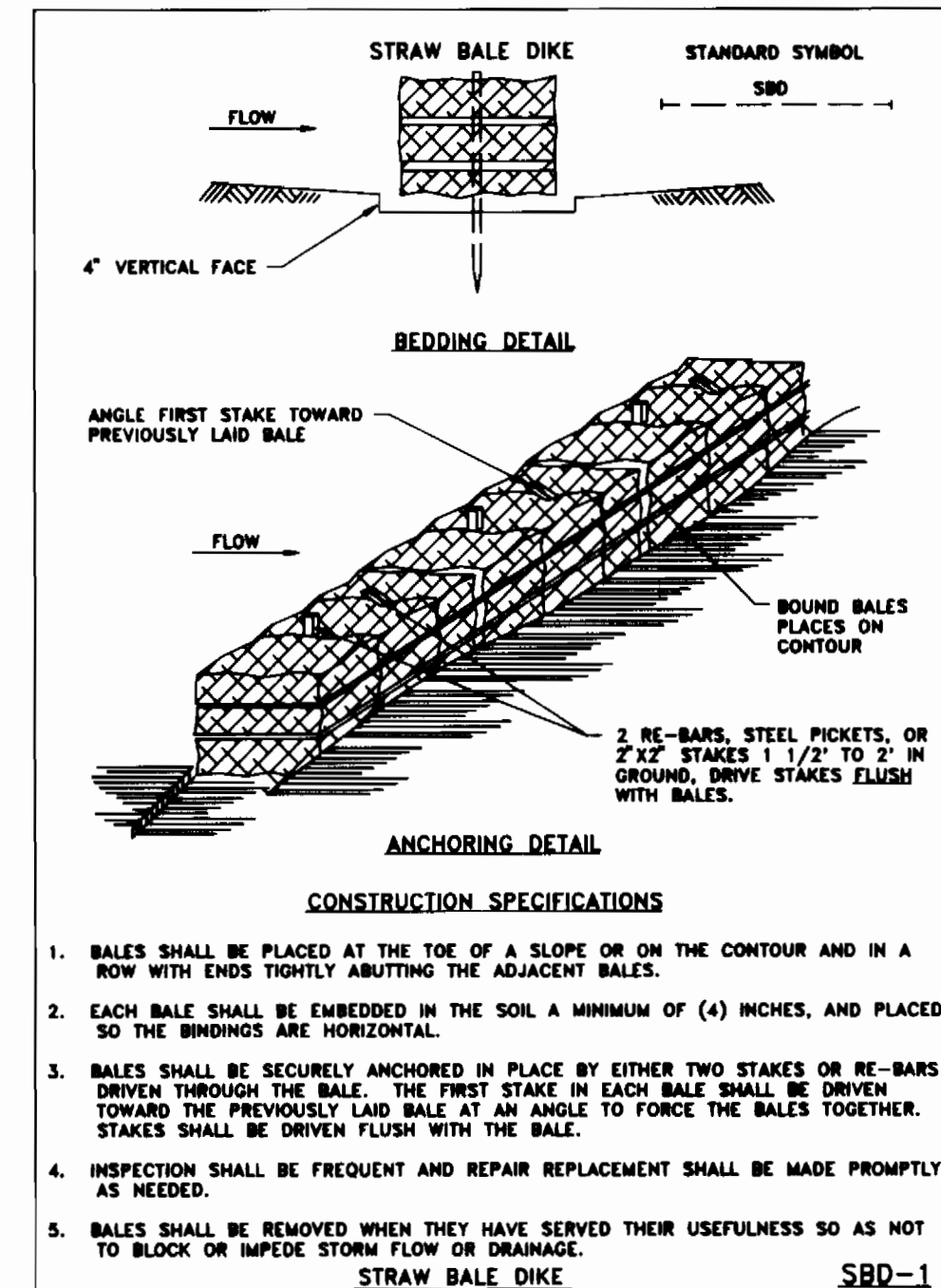
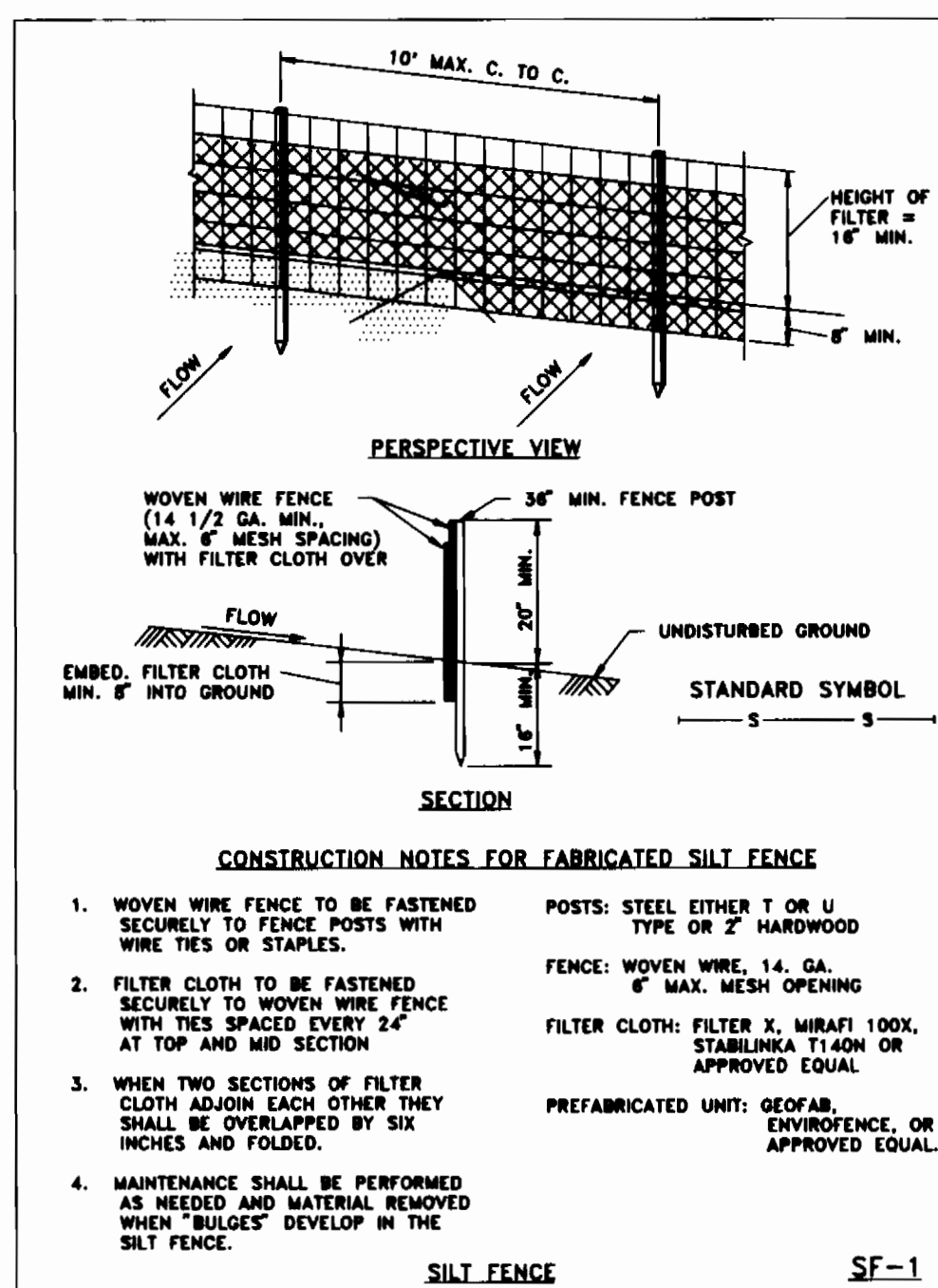
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET 5 of 6
DWG. NO. PP-4

TRAVERSE DESCRIPTION				
POINT	BEARING	DISTANCE	NORTH	EAST
106			490591.824	830891.612
105	S 42 52 44 E	145.365	490485.301	830990.526
V-9	S 88 56 59 E	169.242	490482.199	831159.740
V-8 (104)	S 80 19 50 E	501.720	490397.927	831654.332
V-7	S 84 50 41 E	516.583	490351.509	832168.825
V-6	S 82 47 36 E	327.380	490310.440	832493.619
V-5	S 80 49 59 E	849.210	490175.152	833331.983
V-4	N 77 12 38 E	711.300	490332.612	834025.636
V-3	S 71 51 25 E	564.130	490156.947	834561.718

RESTORATION SCHEDULE		
LOCATION	LENGTH	MATERIAL
2+79.94 TO 5+85.00	305.06'	SEED AND MULCH
5+85.00 TO 43+28.29	3743.29'	BIT. PAVEMENT
SEWER HOUSE CONNECTIONS	330.00'	SEED AND MULCH
SEWER HOUSE CONNECTIONS	820.00'	BIT. PAVEMENT

MANHOLE LOCATION				
MH. NO.	STATION	COORDINATES		OFFSET FROM TRAVERSE
		NORTH	EAST	
1	2+79.94	490567.402	830847.721	106 PROJECTED 11.969' 48.781' LT.
2	3+34.94	490551.212	830889.681	106 TO 105 28.446' 29.050' RT.
3	4+47.56	490507.073	831004.081	105 TO V9 13.154' 22.017' LT.
4	4+70.56	490507.221	831027.080	105 TO V9 36.146' 22.586' LT.
5	6+01.45	490508.062	831157.964	105 TO V9 166.923' 25.826' LT.
6	6+90.48	490472.206	831239.493	V9 TO 104 80.299' 3.545' LT.
7	10+50.00	490424.027	831595.772	V9 TO 104 439.608' 15.893' LT.
8	12+59.41	490395.964	831803.293	104 TO V7 148.535' 11.430' LT.
9	15+25.00	490360.885	832066.555	104 TO V7 413.884' 0.149' LT.
10	17+81.11	490327.057	832320.421	V7 TO V6 153.466' 5.241' RT.
11	19+94.27	490298.483	832531.652	V6 TO V5 39.452' 5.745' RT.
12	22+20.00	490267.963	832755.309	V6 TO V5 265.115' 0.245' LT.
13	24+40.00	490238.217	832973.289	V6 TO V5 485.050' 5.116' LT.
14	28+38.68	490184.313	833368.308	V5 TO V4 37.452' 0.893' LT.
15	31+60.00	490253.867	833682.010	V5 TO V4 358.768' 0.723' LT.
16	34+52.59	490317.201	833967.663	V5 TO V4 651.354' 2.195' RT.
17	35+57.88	490316.540	834072.646	V4 TO V3 49.678' 0.634' RT.
18	39+32.01	490218.126	834433.915	V4 TO V3 423.630' 18.340' LT.
19	41+12.33	490152.223	834601.758	V3 PROJECTED 39.520' 7.979' LT.
20	43+28.29	489964.327	834495.296	V4 TO V3 560.990' 203.756' RT.



SEDIMENT CONTROL NOTES

- A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTION AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION.
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH "THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL".
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN:
 - 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND SLOPES GREATER THAN 3:1.
 - 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH "THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL" FOR PERMANENT SEEDINGS (SEC.51), SOD (SEC.54), TEMPORARY SEEDING (SEC. 50), AND MULCHING (SEC.52). 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: 0.6 ACRES
 - AREA DISTURBED: 0.6 ACRES
 - AREA TO BE ROOFED OR PAVED: 0.52 ACRES
 - AREA TO BE VEGETATIVELY STABILIZED: .08 ACRES
 - TOTAL CUT: 8000 CUBIC YARDS
 - TOTAL FILL: 8000 CUBIC YARDS
 - OFFSITE WASTE/BORROW AREA LOCATION (BY CONTRACTOR)
- 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 DEPARTMENT OF PUBLIC WORKS 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.

SEQUENCE OF CONSTRUCTION

- CONTRACTOR SHALL OBTAIN A GRADING PERMIT
- INSTALL SEDIMENT AND EROSION CONTROL DEVICES ACCORDING TO PLAN.
- CLEAR AND GRUB RIGHT-OF-WAY AHEAD OF CONSTRUCTION BY NO MORE THAN ONE PIPE LENGTH.
- INSTALL SILT FENCE DAILY ALONG THE LOW SIDE OF THE LIMITS OF CONSTRUCTION. THIS SILT FENCE SHALL BE REMOVED AS CONSTRUCTION PROCEEDS UPSTREAM WHEN THE DISTURBED AREA HAS BEEN STABILIZED AND WITH THE APPROVAL OF THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR. FILL MUST BE PLACED ON THE UPLAND SIDE OF THE TRENCH.
- COMPLETE CONSTRUCTION OF SANITARY SEWER MAIN, LIMITING OPEN TRENCH TO ONE PIPE LENGTH AT A TIME.
- RESTALLIZE ALL DISTURBED AREAS IN ACCORDANCE WITH PERMANENT SEEDING NOTES.
- UPON APPROVAL FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL DEVICES.

TEMPORARY SEEDING NOTES

SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

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 NOVEMBER 15, SEED WITH 2-1/2 BU. 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 POSSIBLE IN THE SPRING, OR USE SOD.

MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS./1000 SQ.FT.) OF UNROTTED SMALL GRAIN STRAW 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 GALLON PER ACRE (8 GAL./1000 SQ.FT.) FOR ANCHORING.

REFER TO THE 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.

PERMANENT SEEDING NOTES

SEEDBED PREPARATION: LOOSEN UPPER 3 INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.

SOIL AMENDMENTS: 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 DISC 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 LIME STONE (92 LBS./100 SQ.FT.) AND 1000 LBS. PER ACRE 10-10-10 FERTILIZER (23 LBS./1000 SQ.FT.) BEFORE SEEDING. HARROW OR DISC 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 (1.5 LBS./1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 109 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) 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 WOOD CELLULOSE BINDERS.

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

OWNER'S/DEVELOPER'S CERTIFICATION

"I/WE HEREBY CERTIFY THAT ANY CLEARING, GRADING, CONSTRUCTION, AND/OR DEVELOPMENT WILL BE DONE PURSUANT TO THIS PLAN AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THIS CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I/WE ALSO CERTIFY THAT THE SITE WILL BE INSPECTED AT THE END OF EACH WORKING DAY, AND THAT ANY NEEDED MAINTENANCE WILL BE COMPLETED SO AS TO INSURE THAT ALL SEDIMENT CONTROL PRACTICES ARE LEFT IN OPERATIONAL CONDITION. I/WE AUTHORIZE THE RIGHT OF ENTRY FOR PERIODIC ON-SITE EVALUATION BY THE BALTIMORE COUNTY SOIL CONSERVATION DISTRICT BOARD OF SUPERVISORS OR THEIR AUTHORIZED AGENTS."

Signature: *William J. [unclear]* TITLE: OWNER/DEVELOPER DATE: 9-19-91

PRINT NAME

CONSULTANT'S CERTIFICATION

"I CERTIFY THAT THIS PLAN OF EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE, AND THAT THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE BALTIMORE COUNTY DEPARTMENT OF ENVIRONMENTAL PROTECTION AND RESOURCE MANAGEMENT AND THE CURRENT STATE OF MARYLAND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. I HAVE REVIEWED THIS EROSION AND SEDIMENT CONTROL PLAN WITH THE OWNER/DEVELOPER."

Signature: *Richard D. Parks* DATE: 9-7-91

PRINT NAME

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

Signature: *Jane M. [unclear]* DATE: 9/18/91

U.S. SOIL CONSERVATION SERVICE

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

APPROVED Signature: *John W. [unclear]* DATE: 9/18/91

DEPARTMENT OF PUBLIC WORKS HOWARD COUNTY, MARYLAND
Signature: *[unclear]* DATE: 9-11-91
Signature: *[unclear]* DATE: 9-6-91

PSC PSC ENGINEERS & CONSULTANTS, INC.
7470 NEW TECHNOLOGY WAY
FREDERICK, MARYLAND 21701
301-662-3874



DES: A.J.R.			
DRN: A.C.M.			
CHK: R.D.P.			
DATE: 8-9-91	BY	NO	REVISION

CONTRACT NO. 30-3123
SOIL EROSION AND SEDIMENT CONTROL NOTES AND DETAILS

VISTA ROAD SEWER EXTENSION CAPITAL PROJECT S-6164
ELECTION DISTRICT NO. 5
HOWARD COUNTY, MARYLAND

SCALE: NONE
SHEET: 6 of 6
DWG. NO: SC-1