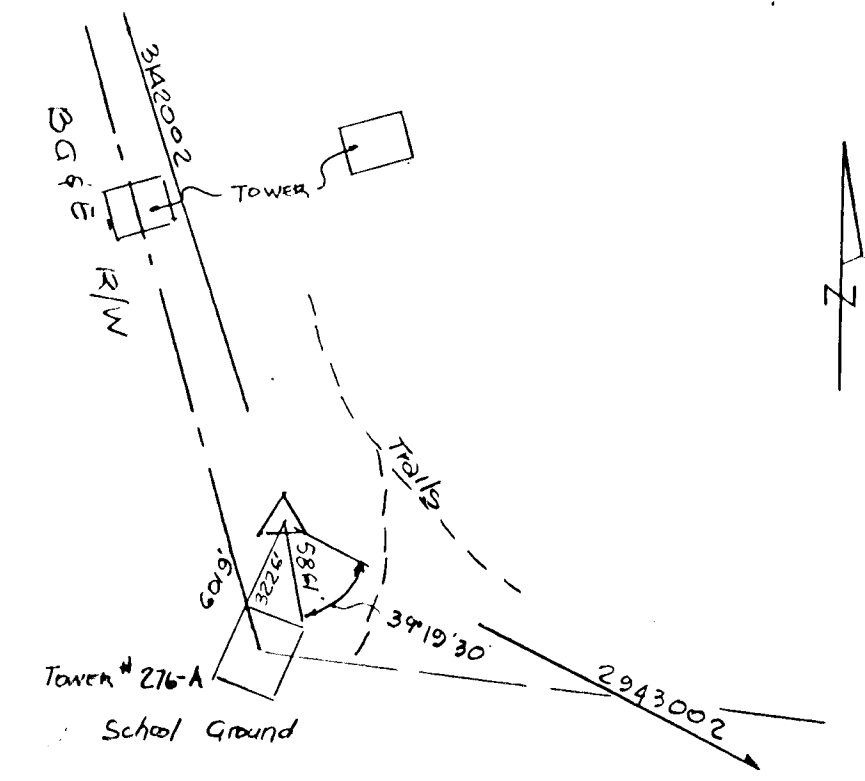


INDEX OF SHEETS	
1	TITLE SHEET
2	PLAN & PROFILE - TURKEY FARM PLACE
3	PLAN & PROFILE - MONTGOMERY RD. (MD 103)
4	DETAILS & STORM DRAIN PROFILE
5	DRAINAGE AREA MAP & SOILS MAP
6	SEDIMENT CONTROL PLANS & DETAILS
7	SWM. PLAN, SECTION, DETAILS & ULTIMATE SITE GRADING

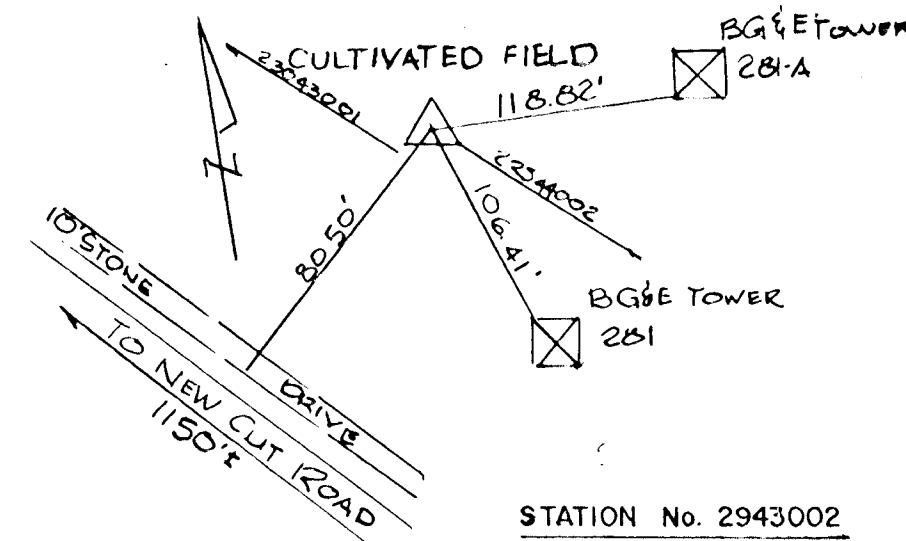


STATION No. 3043001

BENCHMARKS

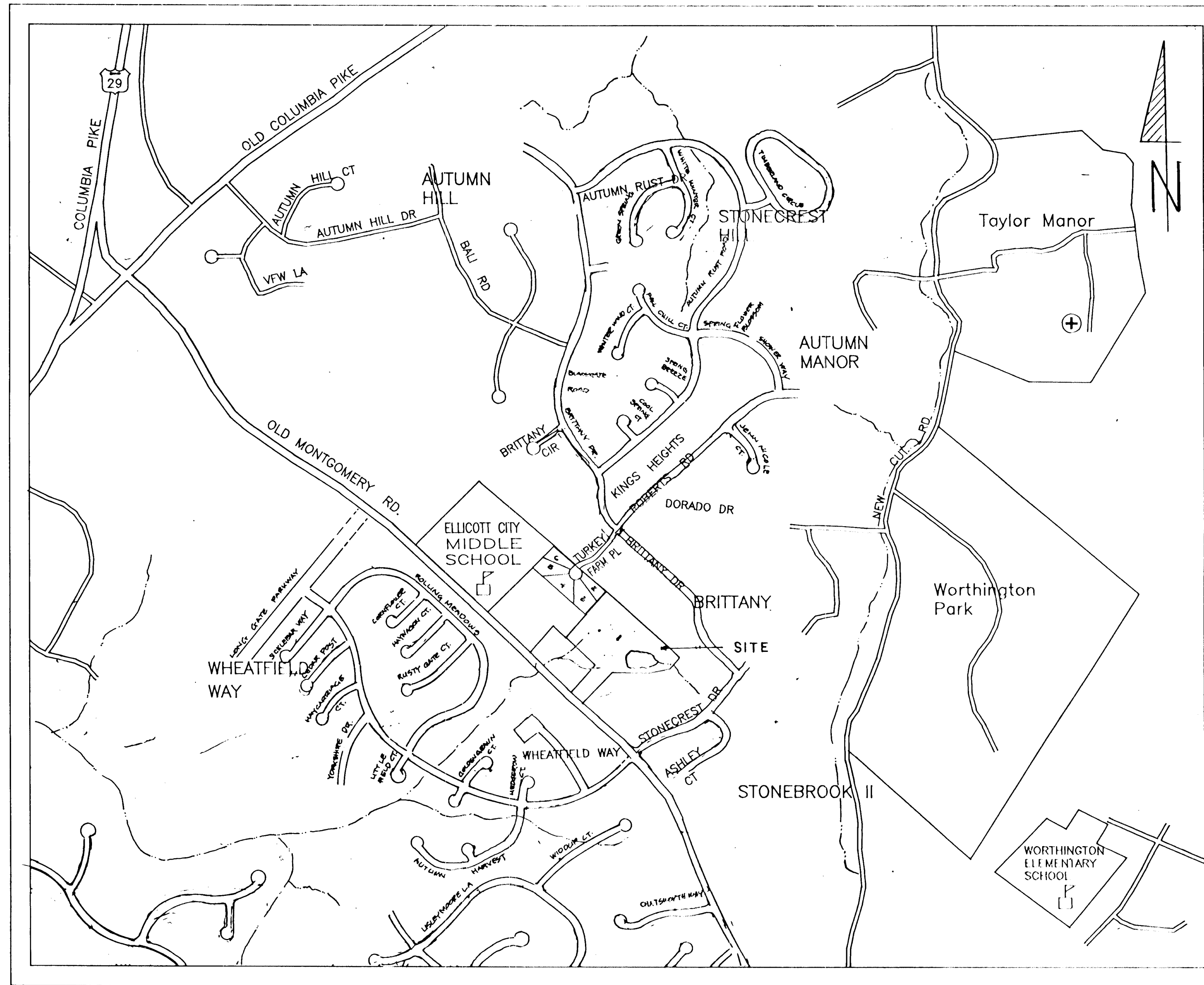
HOWARD COUNTY CONTROL STATION 3043001 ELEV. - 427.92
CONCRETE MONUMENT AT IN TRANSMISSION LINE'S BACK OF SCHOOL.
COORDINATE: N 516549.548 E 853656.506

HOWARD COUNTY CONTROL STATION 2943002 (HORIZ. ONLY)
CONCRETE MONUMENT 0.3' BELOW SURFACE LOCATED ON THE TRANSMISSION LINE 1700' NORTH OF INTERSECTION OF MD RTE. 108 AND NEW CUT ROAD AND 1150' EAST OF NEW CUT ROAD.
COORDINATE: N 513205.902 E 857478.687



STATION No. 2943002

LANDSCAPE SCHEDULE					
SYMBOL	QUANTITY	BIOLOGICAL NAME	COMMON NAME	SIZE	REMARKS
	18	ACER RUBRUM	AUTUMN FLAME	2 1/2"	BALLED AND BURLAPPED



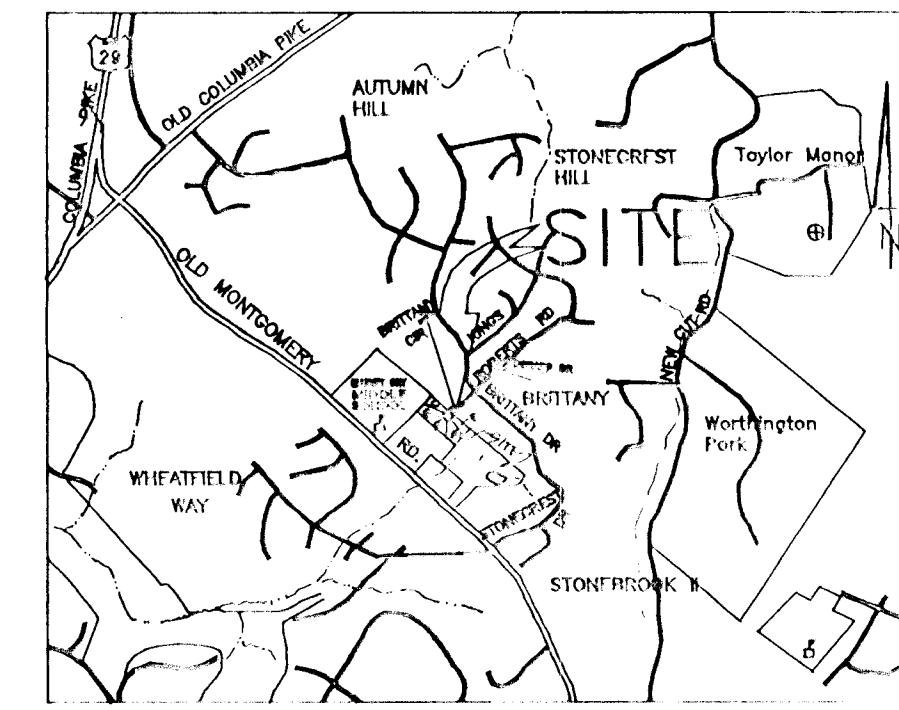
LOCATION MAP
SCALE: 1" = 600'

TURKEY FARM PLACE

LOT 1 THRU LOT 6

2ND ELECTION DISTRICT

HOWARD COUNTY, MARYLAND



VICINITY MAP
SCALE: 1" = 2,000'

GENERAL NOTES :

- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS, IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION INSPECTION AT (410) 792-7272 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
- THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-267-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
- PROJECT BACKGROUND:
Zoning: R-20
Total Tract Area: 10.9549 Ac.
Number of Proposed Lots: 5 and 1 Existing.
Preliminary Plan Submission was waived under WP-91-107 on October 29, 1990.
Original Sketch Plan submission under S 89-65 was approved May 8, 1989. Sketch Plan was resubmitted under S 90-36 and was granted approval on May 2, 1991.
Final Plan under F 91-150 was approved on July 13, 1992.
- TRAFFIC CONTROL DEVICES, MARKINGS, AND SIGNING SHALL BE IN ACCORDANCE WITH THE LATEST EDITION OF THE MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MUTCD). ALL STREET AND REGULATORY SIGNS SHALL BE IN PLACE PRIOR TO THE PLACEMENT OF ANY ASPHALT.
- BOUNDARY AND TOPOGRAPHIC SURVEYS BY JOHN C. MELLEMA, SR., INC. IN AUGUST 1990.
- THE HORIZONTAL AND VERTICAL CONTROLS USED IN THIS DEVELOPMENT ARE HOWARD COUNTY CONTROL STATIONS 2943002 AND 3043001.
- LIGHT POLES AND FIXTURES FOR STREET LIGHTS SHALL BE IN ACCORDANCE WITH THE LATEST HOWARD COUNTY DESIGN MANUAL, VOL. 111, ROADS AND BRIDGES.
- THE DEVELOPMENT WILL BE SERVED BY PUBLIC WATER AND SEWERAGE SYSTEMS.
- REQUEST TO PAY FEE IN LIEU OF PROVIDING PEAK DISCHARGE QUANTITY MANAGEMENT FOR SITE WAS GRANTED ON JULY 6, 1992.
- WETLANDS LIMITS WAS DELINEATED BY EXPLORATION RESEARCH, INC. TELEPHONE NO. (410) 750-1150.
- EXISTING UTILITIES WERE LOCATED AT THE TIME OF THE BOUNDARY AND TOPOGRAPHIC SURVEYS OF THE PROPERTY.
- BEDDINGS FOR THE STORM DRAINS SHALL BE IN ACCORDANCE WITH HOWARD COUNTY DESIGN MANUAL VOL. 1V UNLESS OTHERWISE NOTED.
- STORM DRAINAGE TRENCHES WITHIN THE ROAD RIGHT-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY SPECIFICATIONS.
- ANY DAMAGE TO PUBLIC IMPROVEMENTS, PAVING, OR PUBLIC UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
- LOCATION OF EXISTING UTILITIES SHOWN ARE APPROXIMATE AND FOR THE CONTRACTOR'S INFORMATION ONLY. CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND MAINTAIN UNINTERRUPTED SERVICE.
- STREET TREES SHALL BE PROVIDED AS REQUIRED BY SECTION 16.131 OF THE HOWARD COUNTY SUBDIVISION REGULATIONS.

APPROVED BY HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

John C. Mellema, Sr. 4/1/92
DISTRICT ENGINEER

Olga M. Tangeman 4/26/92
DISTRICT ENGINEER

William B. Long 9-2-92
DISTRICT ENGINEER

Thomas B. Smith 4/16/92
DISTRICT ENGINEER

1648

DESIGNED		DATE	
JHE	4/91		
DRAWN		DATE	
AAE	4/91		
CHECKED		DATE	
APPROVED		DATE	
JHE	4/91		



REVISIONS	
DATE	DESCRIPTION

ENGINEER
JOSE H. ESCALANTE
6623 HUNTERS WOOD CIRCLE
BALTIMORE, MD. 21228-2528
(301) 788-8930

OWNER/DEVELOPER
HARRY W. MILNER
4535 MONTGOMERY ROAD
ELLCOTT CITY, MARYLAND 21043
TEL. (301) 465-0205

TURKEY FARM PLACE
LOTS 1 THRU 6
TAX MAP 31 PARCEL 592
2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND

SCALE AS SHOWN CONTRACT NO. _____ FILE NO. _____ SHEET 1 OF 6

PLAN
 SURVEYED
 NOTEBOOK GRADES CHECKED
 RT. OF WAY CHECKED
 No.

DATE BY REVISIONS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
[Signature] 9/14/92
 SUPERVISOR OF COMMUNITY PLANNING AND LAND DEVELOPMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 9/24/92
 CHIEF, BUREAU OF HIGHWAYS

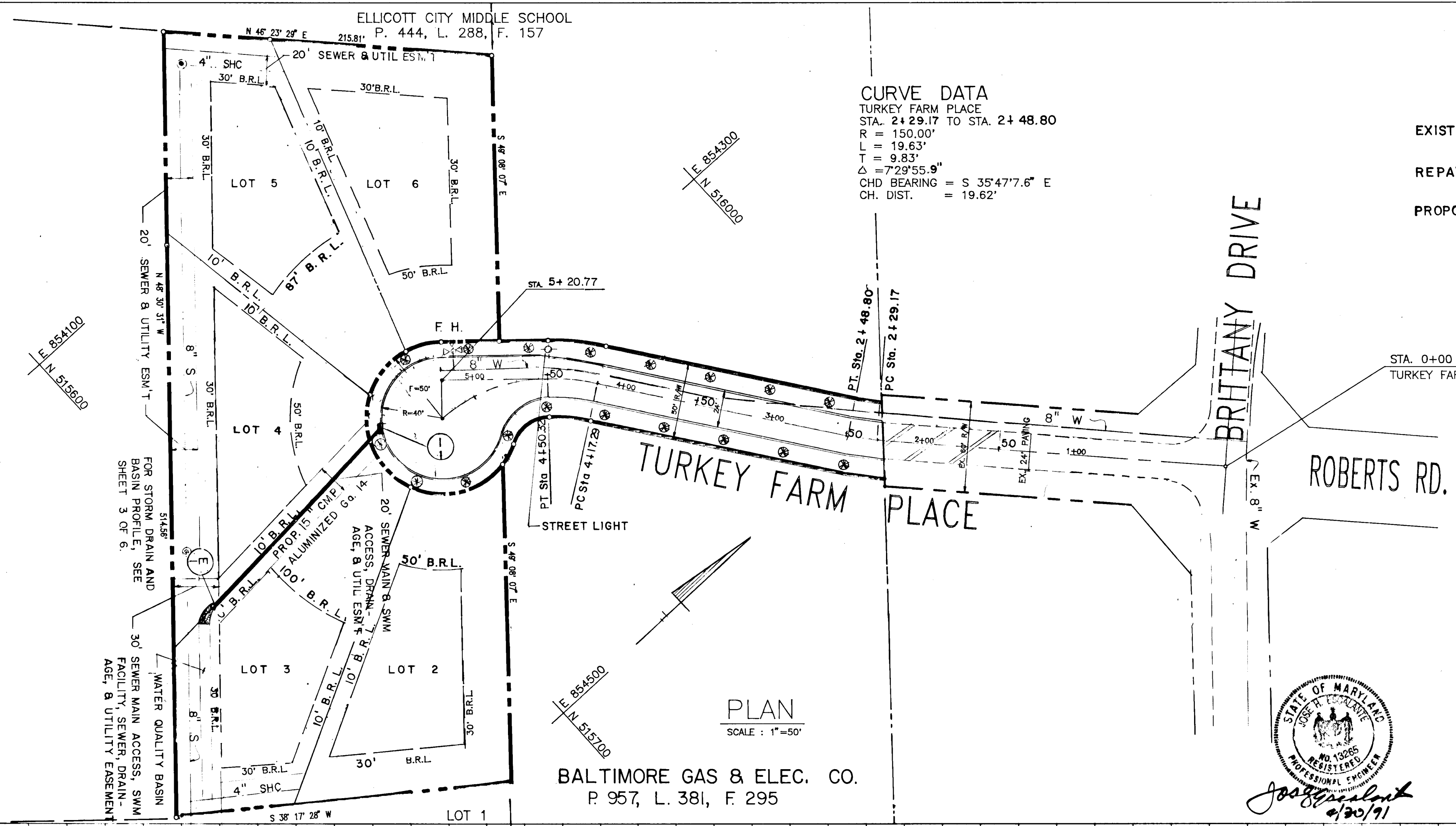
[Signature] 9/24/92
 CHIEF, BUREAU OF ENGINEERING

CURVE DATA
 TURKEY FARM PLACE
 STA 4+17.29 TO STA 4+50.32
 R = 180.00'
 L = 33.03'
 T = 16.58'
 = 12° 36' 55.9"
 CHD BEARING = N 50° 08' 18.7" E
 CHD DIST. = 32.96'

CURVE DATA
 TURKEY FARM PLACE
 STA. 2+29.17 TO STA. 2+48.80
 R = 150.00'
 L = 19.63'
 T = 9.83'
 = 72° 55.9"
 CHD BEARING = S 35° 47' 7.6" E
 CH. DIST. = 19.62'

LEGEND

- EXISTING PAVING
- REPAVING
- PROPOSED PAVING



PLAN AND PROFILE
TURKEY FARM PLACE

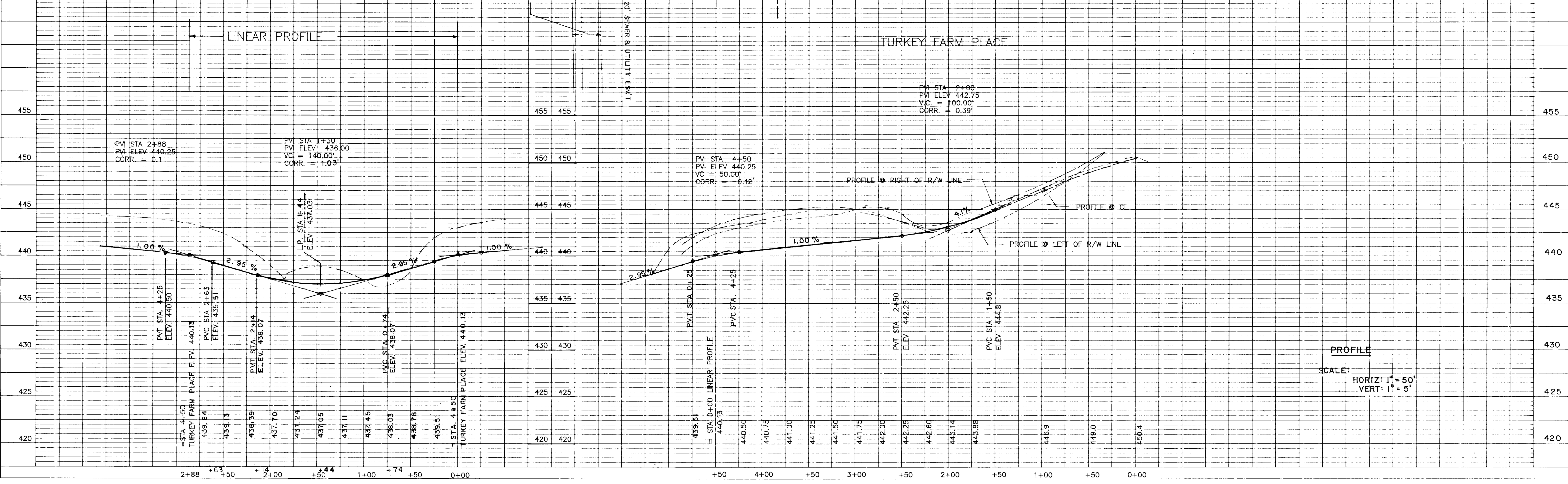
TURKEY FARM PLACE
 LOT 1 THRU LOT 6
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER
 HARRY W. MILNER
 4535 MONTGOMERY ROAD
 ELLICOTT CITY, MARYLAND 21043
 TEL. (301) 465-0205

SCALE AS SHOWN DATE JAN., 1991 SHEET 2 OF 6
 DESIGNED BY JE DRAWN BY GG CHECKED BY JE

ENGINEER
 JOSE H. ESCALANTE
 6623 HUNTERS WOOD CIRCLE
 BALTIMORE, MD. 21228-2528
 (301) 788-8930

PROFILE
 SURVEYED
 NOTEBOOK GRADES CHECKED
 B. M.'S NOTED
 STRUCTURE NOTATION CHECKED
 No.



1648

PLAN
 PREPARED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: [Date]

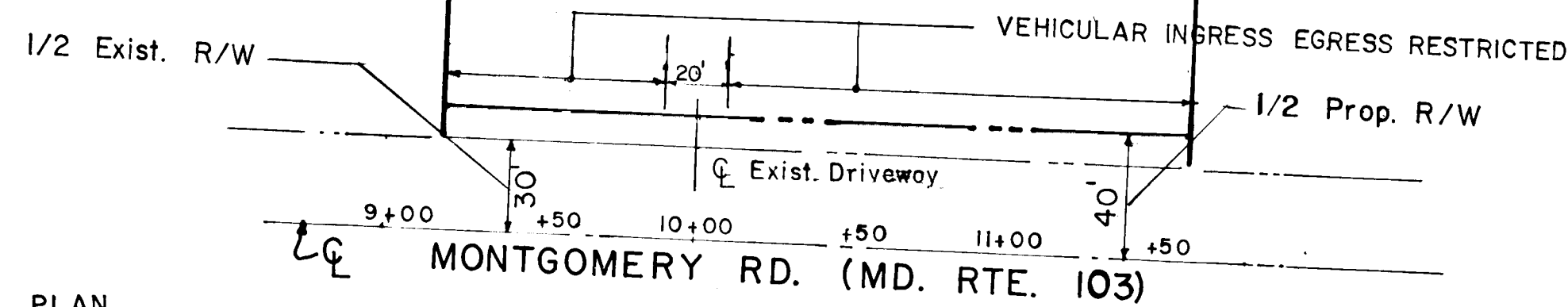
DATE	BY	REVISIONS

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 [Signature] 9/1/92
 CHIEF, BUREAU OF PLANNING AND ZONING

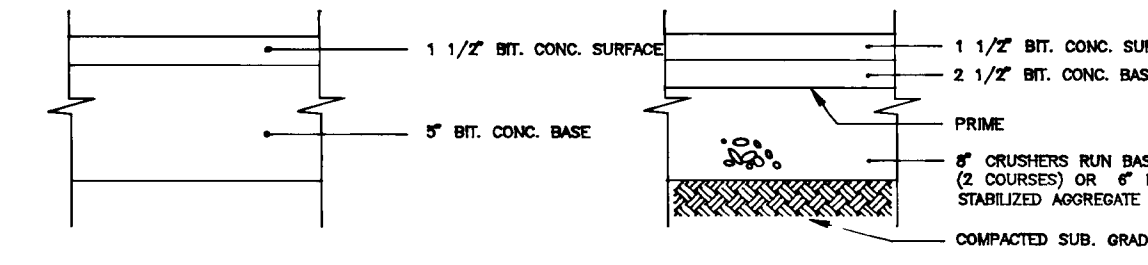
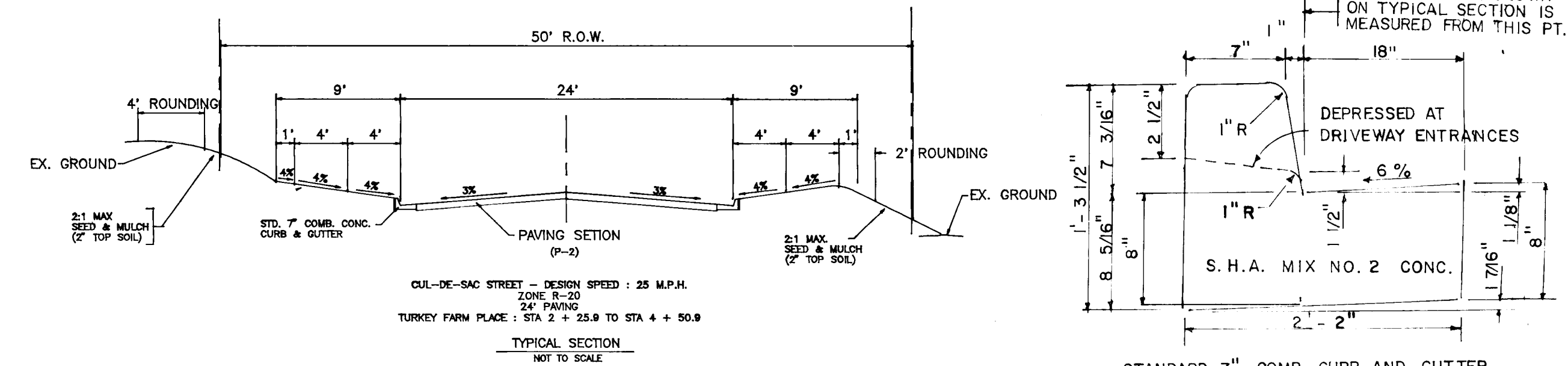
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 [Signature] 4/1/92
 CHIEF, BUREAU OF PUBLIC WORKS

[Signature] 8/26/92
 CHIEF, BUREAU OF HIGHWAYS

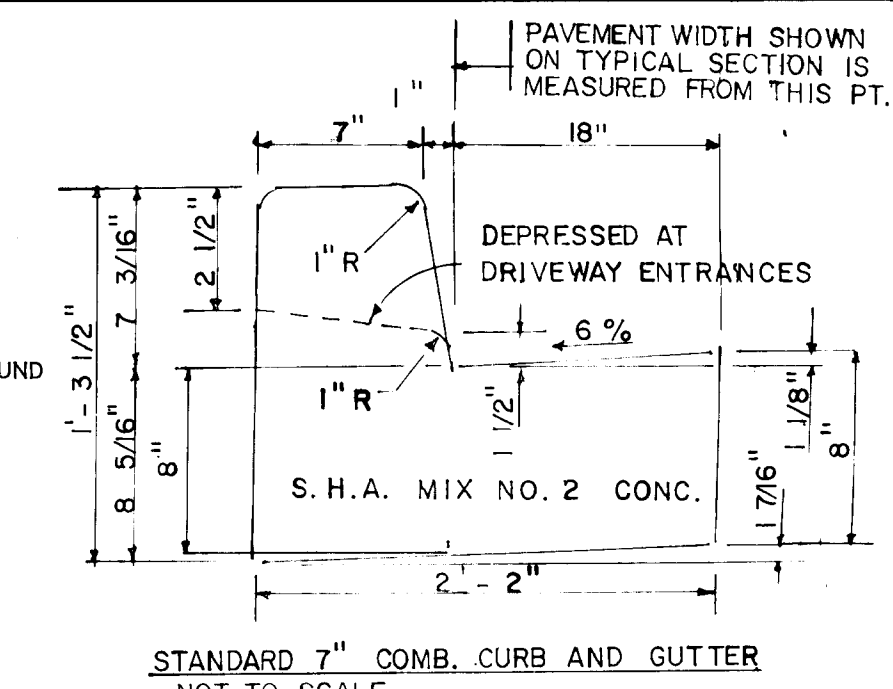
[Signature] 9-2-92
 CHIEF, BUREAU OF ENGINEERING



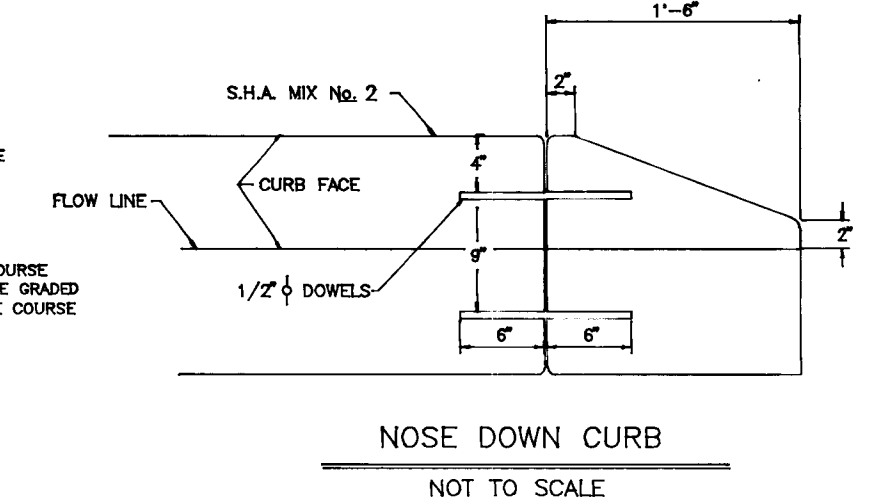
PLAN
 SCALE: 1" = 50'



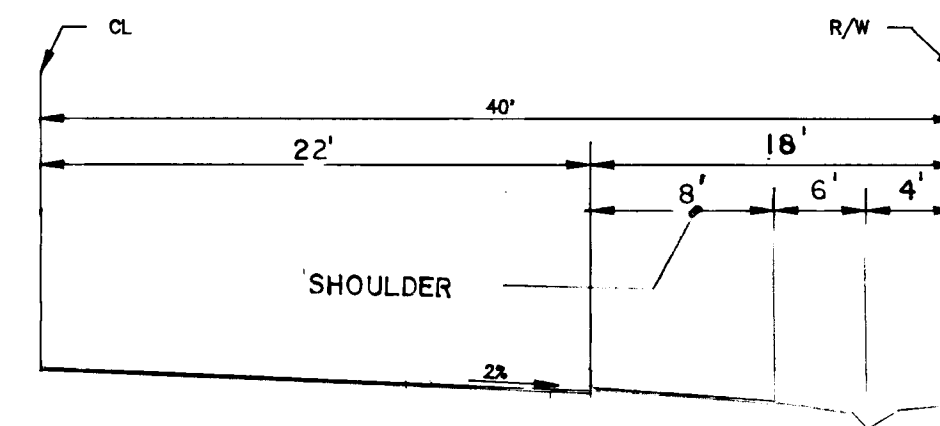
PAVING SECTIONS, P-2



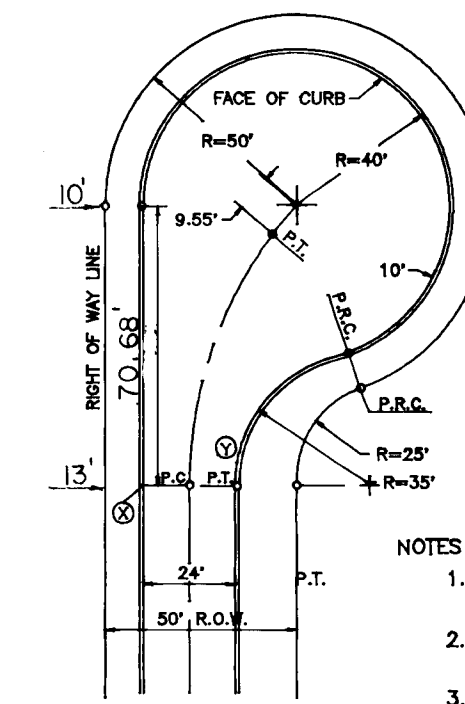
STANDARD 7" COMB. CURB AND GUTTER
 NOT TO SCALE



NOSE DOWN CURB
 NOT TO SCALE



(EXIST.) TYPICAL SECTION, MONTGOMERY RD. (MD. RTE. 103)
 MINOR ARTERIAL ROADWAY - DESIGN SPEED: 40 M.P.H.
 ZONING: R-20



CUL-DESAC DETAIL
 NOT TO SCALE

- NOTES:
- STANDARD CONC. COMB. CURB & GUTTER SHALL BE USED ON DOWNSLOPE OF THE CUL-DESACS.
 - THE MAXIMUM GRADE OF THE CIRCULAR AREA IN ANY DIRECTION SHALL NOT EXCEED 6%.
 - A PROFILE SHALL BE PROVIDED ALONG THE TOP OF CURB FROM POINT X TO Y.

PLAN AND PROFILE, MONTGOMERY ROAD (MD. RTE. 103), & DETAILS

TURKEY FARM PLACE
 LOT 1 THRU LOT 6
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

OWNER/DEVELOPER

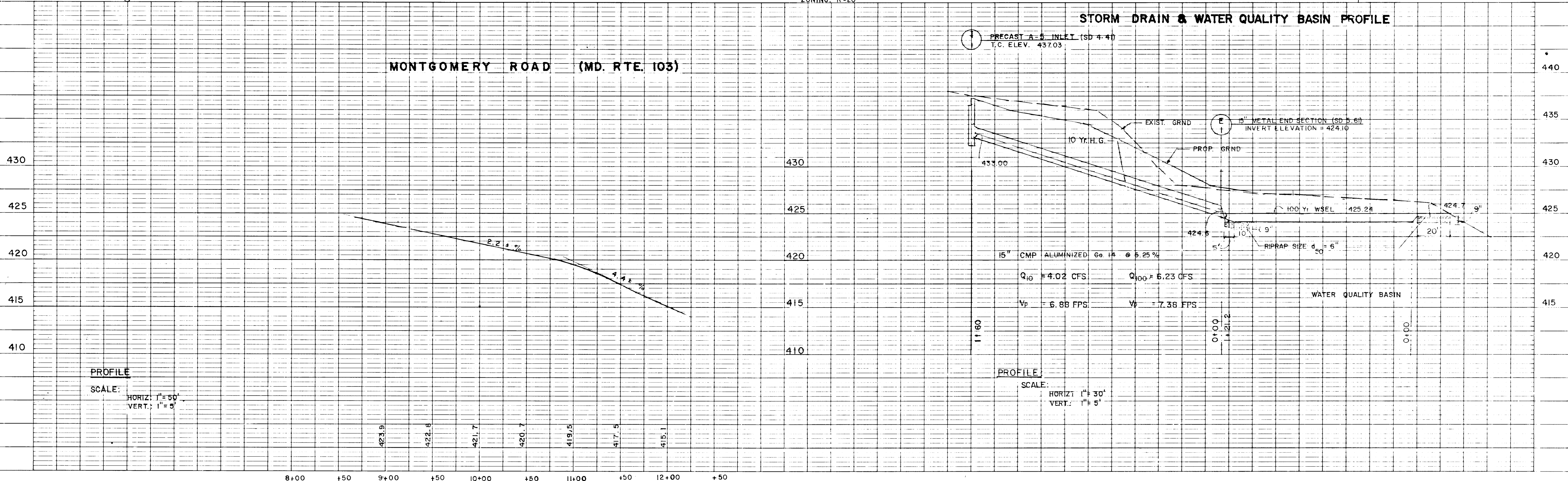
HARRY W. MILNER
 4535 MONTGOMERY ROAD
 ELLICOTT CITY, MD. 21043

SCALE AS SHOWN DATE 4-5-91 SHEET 3 OF 6
 DESIGNED BY J.H.E. DRAWN BY A.V.G. CHECKED BY J.H.E.

ENGINEER

JOSE H. ESCALANTE
 6623 HUNTERS WOOD CIRCLE
 BALTIMORE, MD. 21228-2528

PROFILE
 PREPARED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: [Date]



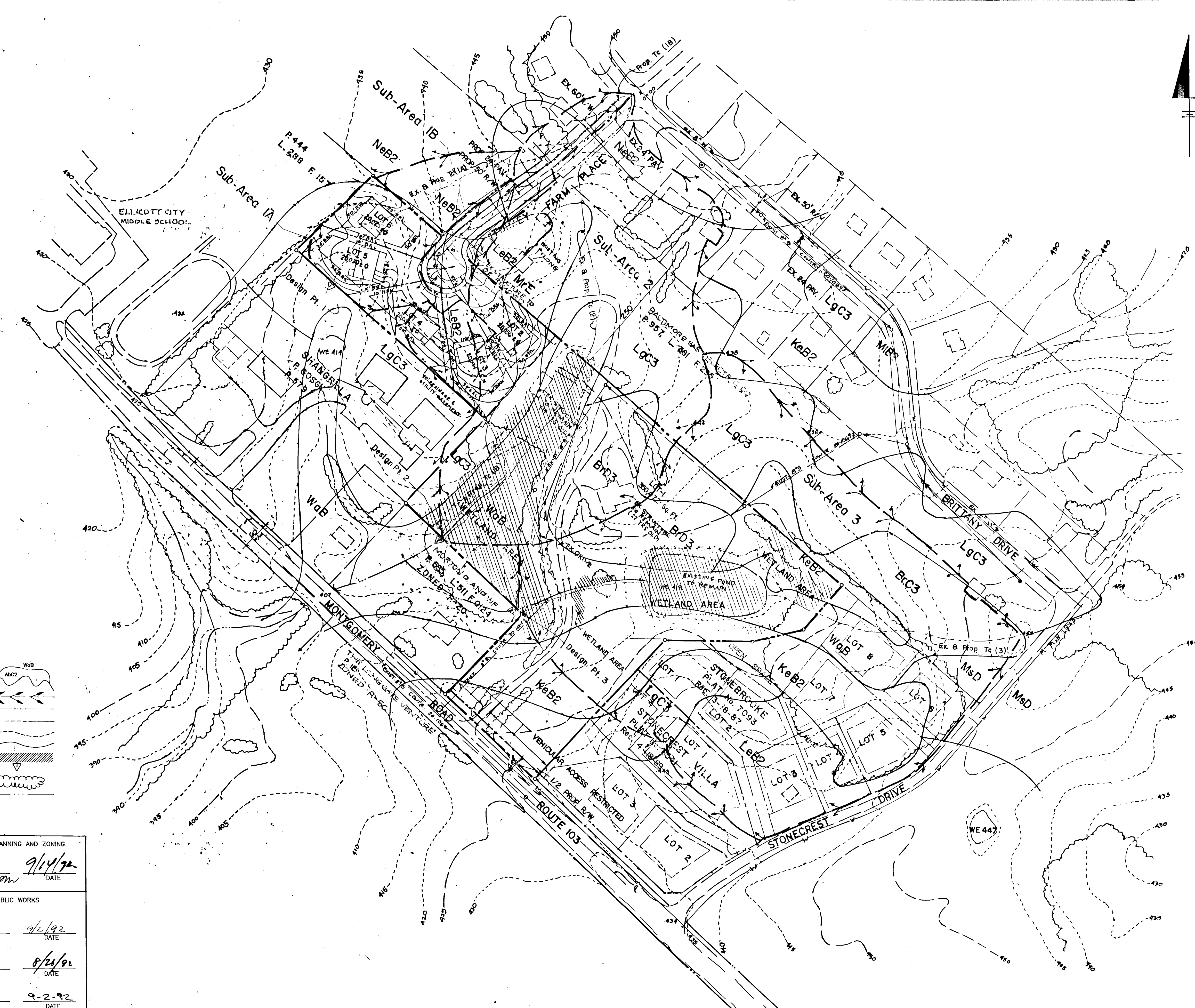
PROFILE

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

PROFILE

SCALE: HORIZ: 1" = 30'
 VERT: 1" = 5'

1648



SUB-AREA SOILS/AREA TABLE

SUB-AREA	SOILS TYPE (SYMBOLS)	AREA IN ACRES	TOTAL AREA IN ACRES
1A (EX.) ON SITE	LEGORE, LeB2	0.21	2.26
	LEGORE, LgC3	1.26	
	NESHAMINY, NeB2	0.21	
OFF SITE	LEGORE, LeB2	0.07	1.69
	LEGORE, LgC3	0.51	
1A (PROP.)	LEGORE, LeB3 LEGORE, LgC3 NESHAMINY, NeB2	1.11 0.07 0.51	1.69
1B (EX.)	LEGORE, LeB2 LEGORE, LgC3	0.25 0.37	0.62
1B (PROP.)	LEGORE, LeB2 LEGORE, LgC3	0.46 0.77	1.57
2 (EX.)	LEGORE, LgC3 NESHAMINY, NeB2	0.34	8.19
2 (PROP.)	BRANDYWINE, BrD3	1.02	7.67
	LEGORE, LeB2	0.51	
	LEGORE, LgC3	3.52	
	MONTAIO, MrE	0.89	
	NESHAMINY, NeB2 WATCHUNG, WaB	0.50 1.62	
3 (EX. & PROP.)	BRANDYWINE, BrD3	1.02	12.12
	LEGORE, LeB2	0.51	
	LEGORE, LgC3	3.13	
	MONTAIO, MrE	0.89	
	NESHAMINY, NeB2	0.50	
	WATCHUNG, WaB	1.62	
	BRANDYWINE, BrD3	0.85	
	BRANDYWINE, BrC3 KELLY, KeB2 LEGORE, LgC3 LEGORE, LeB2 MONTAIO, MsD WATCHUNG, WaB	1.13 0.31 2.58 1.80 6.46 1.99	

LEGEND :

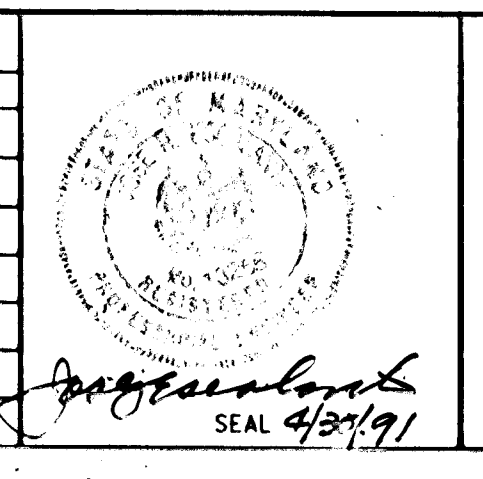
- SOILS TYPE
- DRAINAGE DIVIDE
- EX. TC FLOW PATH
- PROP. TC FLOW PATH
- EX. CONTOURS
- PROP. CONTOURS
- WETLAND AREA
- DESIGN POINT
- TREES
- STREAM CENTERLINE

SOILS SYMBOL	SOILS TYPE	DESCRIPTION
BrC3	C	BRANDYWINE LOAM
BrD3	C	BRANDYWINE LOAM
KeB2	D	KELLY SILT LOAM
LeB2	B	LEGORE SILT LOAM
LgC3	B	LEGORE SILT CLAY LOAM
MrE	C	MONTAIO & RELAY VERY STONY SILT LOAM
MsD	C	MONTAIO & RELAY NESHAMINY SILT LOAM
NeB2	B	NESHAMINY SILT LOAM
WaB	D	WATCHUNG SILT LOAM

LOT No.	GROSS AREA	10% OF GROSS AREA	AREA OF STEEP SLOPE	NET AREA
2	20056 SF	2006 SF	0	20056 SF
3	20094	2009	1610	18484
4	20034	2003	0	20034
5	20030	2003	912	19118
6	20025	2003	256	19769

APPROVED : HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Emma Holman 9/14/92
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 APPROVED : HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
[Signature] 9/2/92
 CHIEF, LAND DEVELOPMENT DIVISION
[Signature] 8/24/92
 CHIEF, BUREAU OF HIGHWAYS
[Signature] 9-2-92
 CHIEF, BUREAU OF ENGINEERING

DESIGNED	DATE	BY	DESCRIPTION
JHE	4/90		
JAE/AAE	4/90		
JHE	8/91		



ENGINEER
 JOSE H. ESCALANTE
 6623 HUNTERS WOOD CIRCLE
 BALTIMORE, MARYLAND 21228-2528
 TELEPHONE: (301) 788-8930

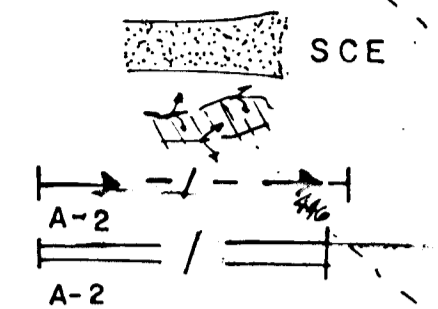
OWNER DEVELOPER
 HARRY W. MILNER
 4535 MONTGOMERY ROAD
 ELLICOTT CITY MARYLAND 21043
 TELEPHONE: (301) 465-0205

SOILS and DRAINAGE AREA MAPS
 TURKEY FARM PLACE
 LOTS 1 THROUGH 6
 TAX MAP 31 PARCEL 592
 2ND ELECTION DISTRICT HOWARD COUNTY, MD.

1648

LEGEND

- Limit of Disturbance
- Drainage Divide
- Silt Fence
- Stabilized Construction Entrance
- INLET DRAINAGE AREA
- EARTH DIKE
- TEMPORARY SWALE



LIMIT OF DISTURBANCE

BALTIMORE

GAS & ELEC. CO.

TURKEY FARM PLACE

STONE OUTLET SEDIMENT TRAP
NOT TO SCALE

A = 1.09 Ac. R-20 ZONING
C = 0.45 29.4% IMP.
100% B' SOILS

LIMIT OF DISTURBANCE

LOT 1

LOT 2

LOT 3

LOT 4

LOT 5

LOT 6

ELLICOTT CITY MIDDLE SCHOOL

SEDIMENT TRAP NO. 1

Drainage Area: 1.69 Ac.
Type of Trap: Stone Outlet
Volume Required: 240 C.Y.
Volume Provided: 317 C.Y.
Trap Size (Bottom Dimension): 3420 S.F.
Trap Depth: 3.5'
Bottom Elev.: 413.5
Crest Elev.: 417.0
Cleanout Elev.: 414.25
Outlet Width: 8.00'
Side Slopes: 2:1

SEDIMENT TRAP NO. 2

Drainage Area: 1.57 Ac.
Type of Trap: Stone Outlet
Volume Required: 315 C.Y.
Volume Provided: 359 C.Y.
Trap Size (Bottom Dimension): 2425 S.F.
Trap Depth: 5.0'
Bottom Elev.: 419.0
Crest Elev.: 424.0
Cleanout Elev.: 419.75
Outlet Width: 10.0'
Side Slopes: 2:1

DEVELOPER'S CERTIFICATE

ENGINEER'S CERTIFICATE

REVISIONS

DESIGNED: JHE 3/91

DRAWN: AAE/JAE 3/91

CHECKED: 4/91

APPROVED: JHE 4/91

DATE BY DESCRIPTION

DATE BY DESCRIPTION

DATE BY DESCRIPTION

DATE BY DESCRIPTION

DATE BY DESCRIPTION

DATE BY DESCRIPTION

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DATE BY DESCRIPTION

SEDIMENT CONTROL NOTES:

1. 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. (TEL. # 313-2437)
2. 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.
3. FOLLOWING INITIAL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: a) 7 CALENDAR DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES, DIKES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1; b) 14 CALENDAR 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. 1, 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR PERMANENT SEEDING (SECT. 51) AND (SECT. 54), TEMPORARY SEEDING (SECT. 50), AND MULCHING (SECT. 52). TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES DO NOT ALLOW FOR PROPER GERMINATION AND ESTABLISHMENT OF GRASS.
6. ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
7. SITE ANALYSIS:

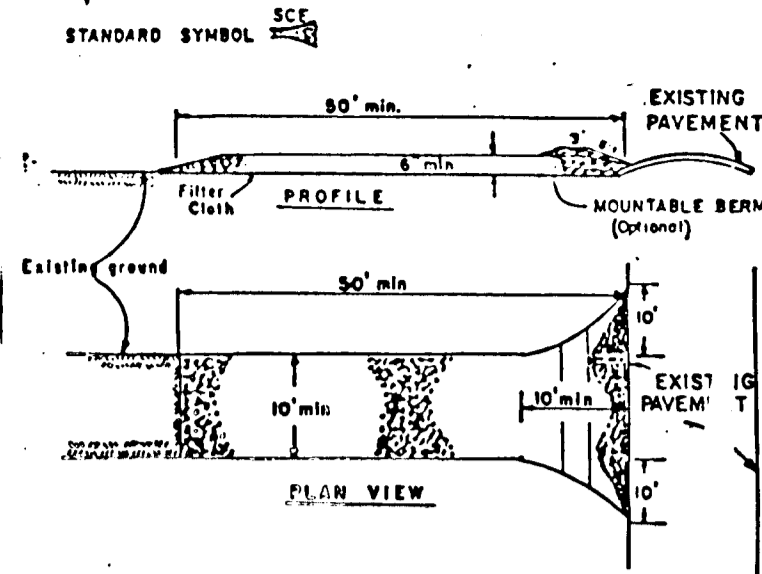
TOTAL AREA OF SITE	16.95 ACRES
AREA TO BE DISTURBED	2.41 ACRES
AREA TO BE ROOFED OR PAVED	0.61 ACRES
AREA TO BE VEGETATIVELY STABILIZED	2.60 ACRES
TOTAL CUT	1.92 CU. YDS.
TOTAL FILL	1.92 CU. YDS.
OFFSITE WASTE/BORROW AREA LOCATION	NONE
8. ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.

PERMANENT SEEDING NOTES:

- APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHILE A PERMANENT LONG-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:** LOOSEN UPPER THREE-INCHES OF SOIL BY BAKING, DISCING 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 3 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 500 LBS PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING. BARRON OR DISC INTO UPPER THREE-INCHES OF SOIL AT TIME OF SEEDING. APPLY 400 LBS. PER ACRE 10-0-0 UREAFORM FERTILIZER (95 LBS/1000 SQ. FT.).
 - 2) ACCEPTABLE - APPLY 1 TON PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 1000 LBS PER ACRE 10-10-10 FERTILIZER (22 LBS/1000 SQ. FT.) BEFORE SEEDING. BARRON OR DISC INTO UPPER THREE-INCHES OF SOIL.
- SEEDING:** FOR PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 40 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF KENTUCKY 31 TALL FESCUE. FOR THE PERIOD MAY 1 THRU JULY 31, SEED WITH 40 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. PROJECT 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 40 LBS/ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 1 TON/ACRE WELL ANCHORED STRAW.
- MULCHING:** APPLY 1 1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNWETTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING ANCHORING TOOL OR 2 1/2 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES 8 FEET OR HIGHER, USE 346 GALLONS PER ACRE (8 GAL/1000 SQ. FT.) FOR ANCHORING.
- MAINTENANCE:** INSPECT ALL SEEDING AREAS AND MAKE NEEDED REPAIRS, REPLACEMENTS AND RESEEDING.

TEMPORARY SEEDING NOTES:

- APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
- SEEDING PREPARATION:** LOOSEN UPPER THREE-INCHES OF SOIL BY BAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED.
- SOIL AMENDMENTS:** APPLY 400 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 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 SETTING 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 UNWETTED SMALL GRAIN STRAW IMMEDIATELY AFTER SEEDING. ANCHOR MULCH IMMEDIATELY AFTER APPLICATION USING ANCHORING TOOL OR 2 1/2 GAL PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS. ON SLOPES, 8 FT. OR HIGHER, USE 346 GAL 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.



CONSTRUCTION SPECIFICATIONS

1. Stone Size - Use 3" stone, or recycled concrete equivalent.
2. Length - As required, but not less than 10 feet (except on a site in residential use where a 20 foot minimum length would apply).
3. Thickness - Not less than six (6) inches.
4. Width - Use (18) foot minimum, but not less than the full width at points where ingress or egress occurs.
5. Filter cloth - Will be placed over the entire area prior to placing of stone. Filter will not be required on a single family residence lot.
6. Surface Water - All surface water flowing on diverted toward construction entrance shall be piped across the entrance, if piping is impractical, a mountable berm with 3:1 slopes will be permitted.
7. Maintenance - The entrance shall be maintained in a condition which will prevent blocking or flowing of sediment onto public right-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or replacement of any material used to trap sediment. All sediment (spillage, dropped, washed or tracked onto public right-of-way must be removed immediately.
8. Washing - Muclic shall be cleaned or removed sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved sediment trapping device.
9. Periodic inspection and maintenance shall be provided after each rain.

CONSTRUCTION NOTES FOR STABILIZED CONSTRUCTION ENTRANCE

1. Stone size shall be as specified in the above.
2. Filter cloth to be fastened securely to stone with wire ties or staples.
3. When the sections of filter cloth are joined, the joint shall be overlapped by six inches and secured with staples or wire ties.
4. Maintenance shall be provided as needed to maintain the silt fence.

STABILIZED CONSTRUCTION ENTRANCE
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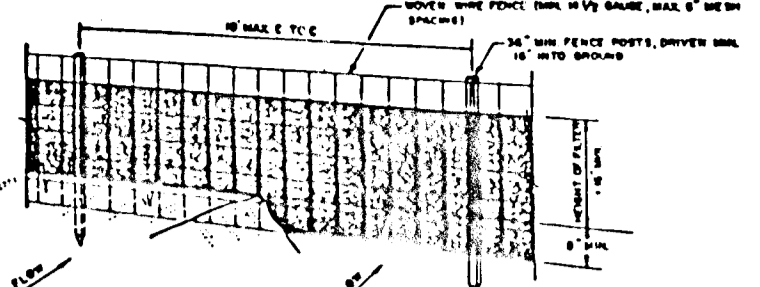
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SILT FENCE
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1648

F91-150

SEDIMENT CONTROL PLAN & DETAILS
TURKEY FARM PLACE
LOT 1 THRU LOT 6
TAX MAP 31 PARCEL 592
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND
S 89-65, S90-36, F91-150
PREVIOUS SUBMITTALS: SCALE: 1"=50' FILE NO.: SHEET 5 OF 6

ENGINEER
JOSE H. ESCALANTE
6623 HUNTERS WOOD CIRCLE
BALTIMORE, MARYLAND 21228-2528
TELEPHONE: (301) 788-8930

OWNER DEVELOPER
HARRY W. MILNER
4535 MONTGOMERY ROAD
ELLICOTT CITY MARYLAND 21043
TELEPHONE: (301) 465-0205

DEVELOPER'S CERTIFICATE

"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN OF DEVELOPMENT AND PLAN FOR EROSION AND SEDIMENT CONTROL AND THAT ALL RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A MARYLAND DEPT. 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 OR THEIR AUTHORIZED AGENTS, AS ARE DEEMED NECESSARY."

ENGINEER'S CERTIFICATE

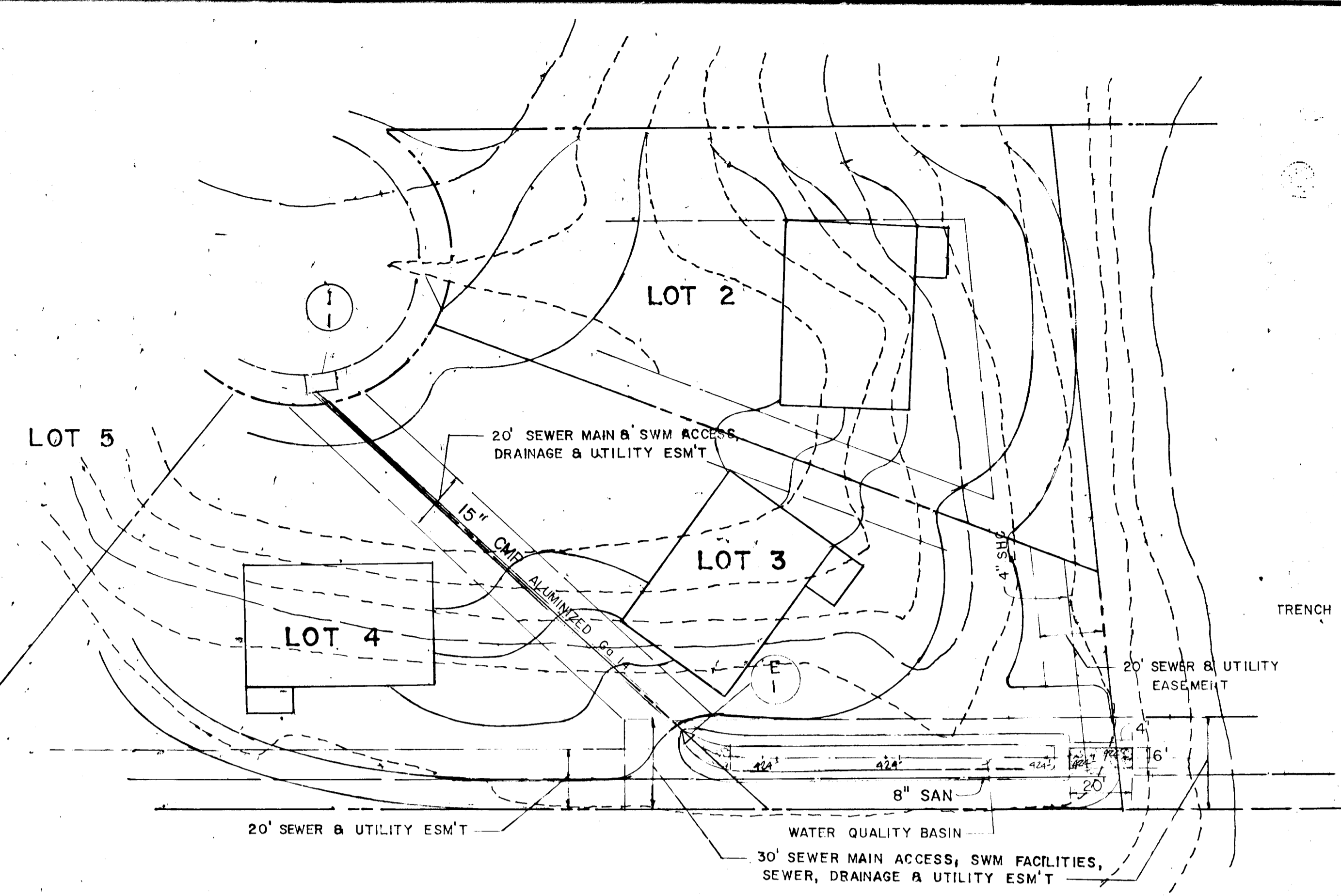
I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

APPROVED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

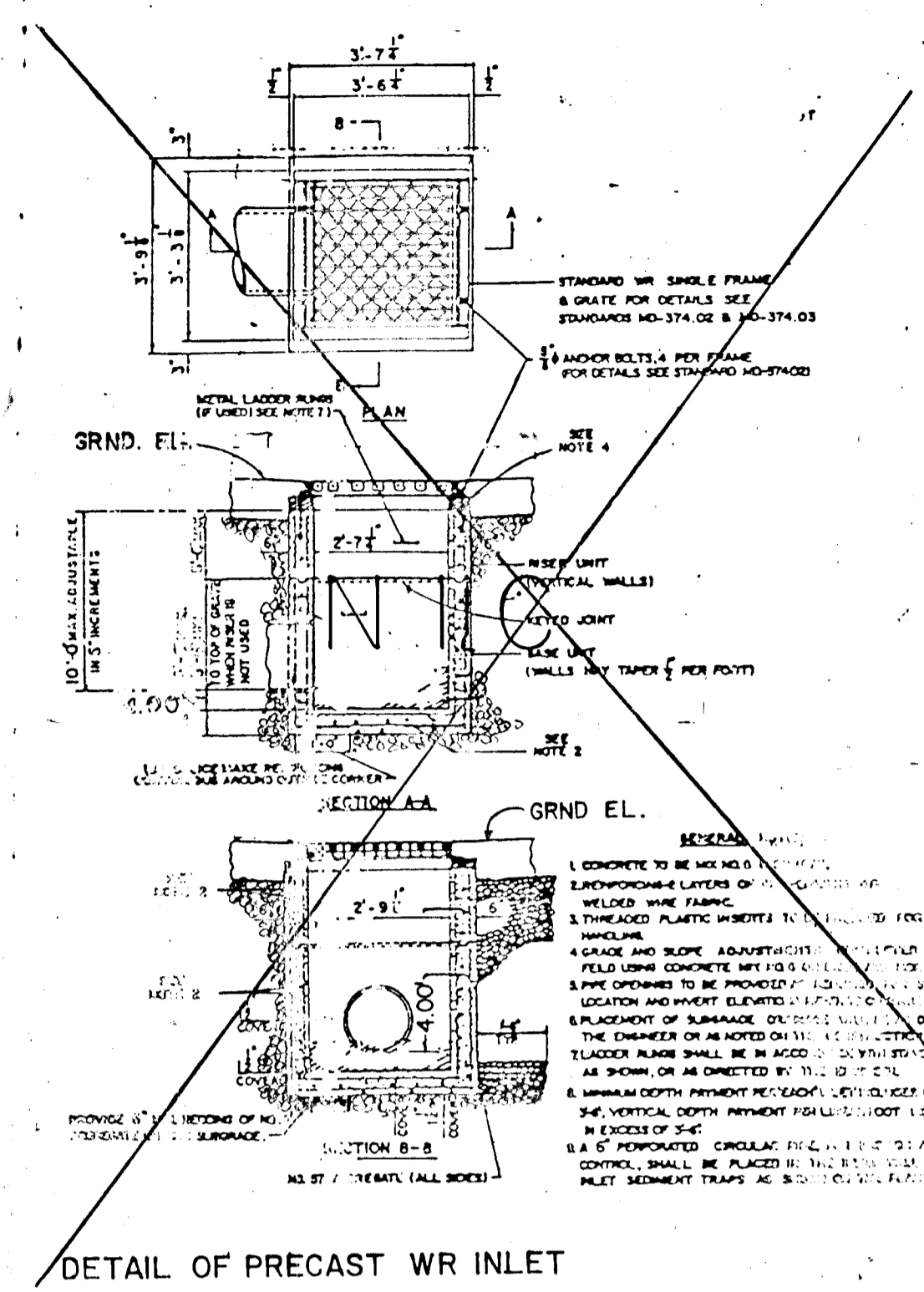
APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: HOWARD COUNTY DEPT. OF PLANNING AND ZONING

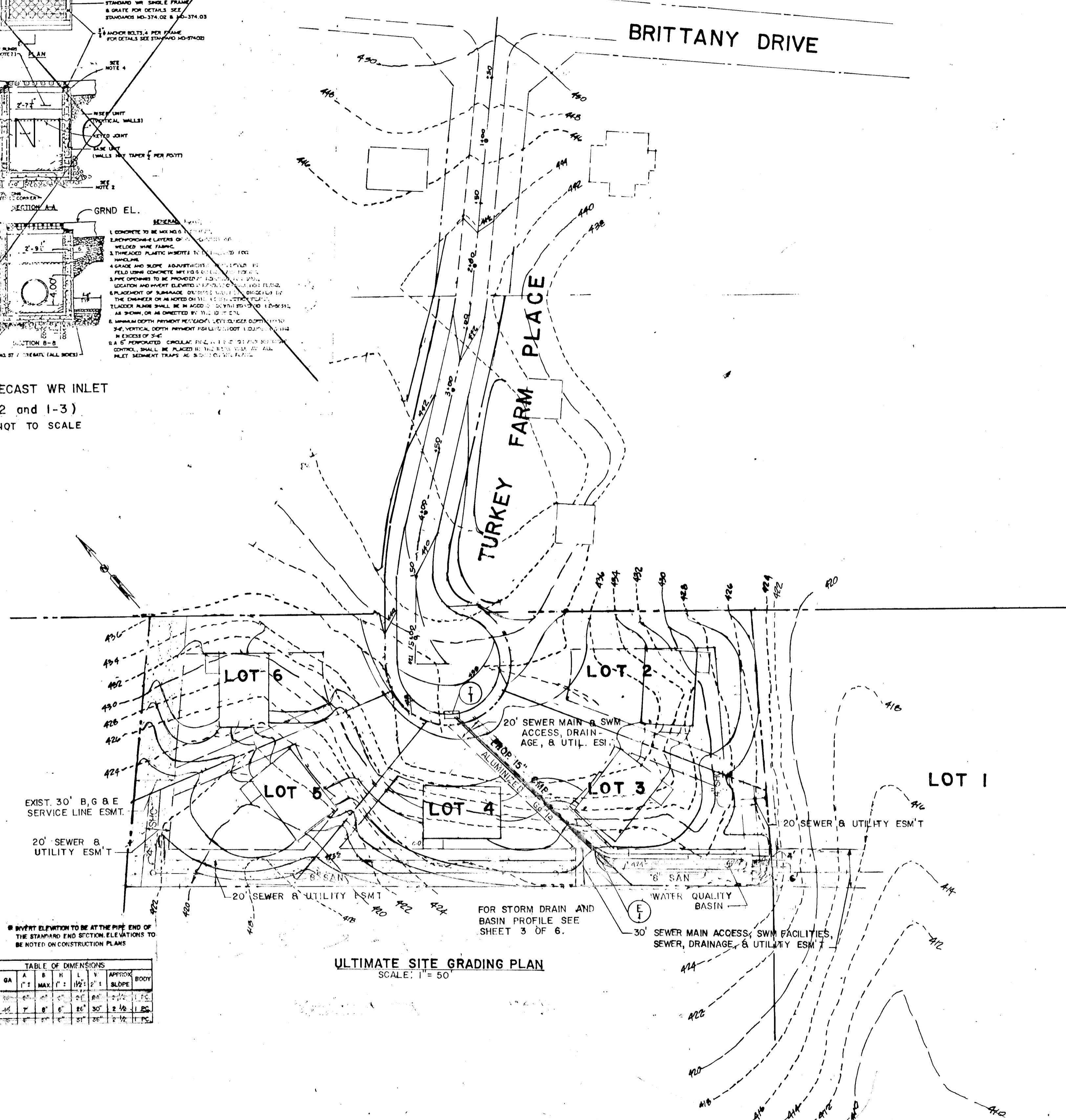




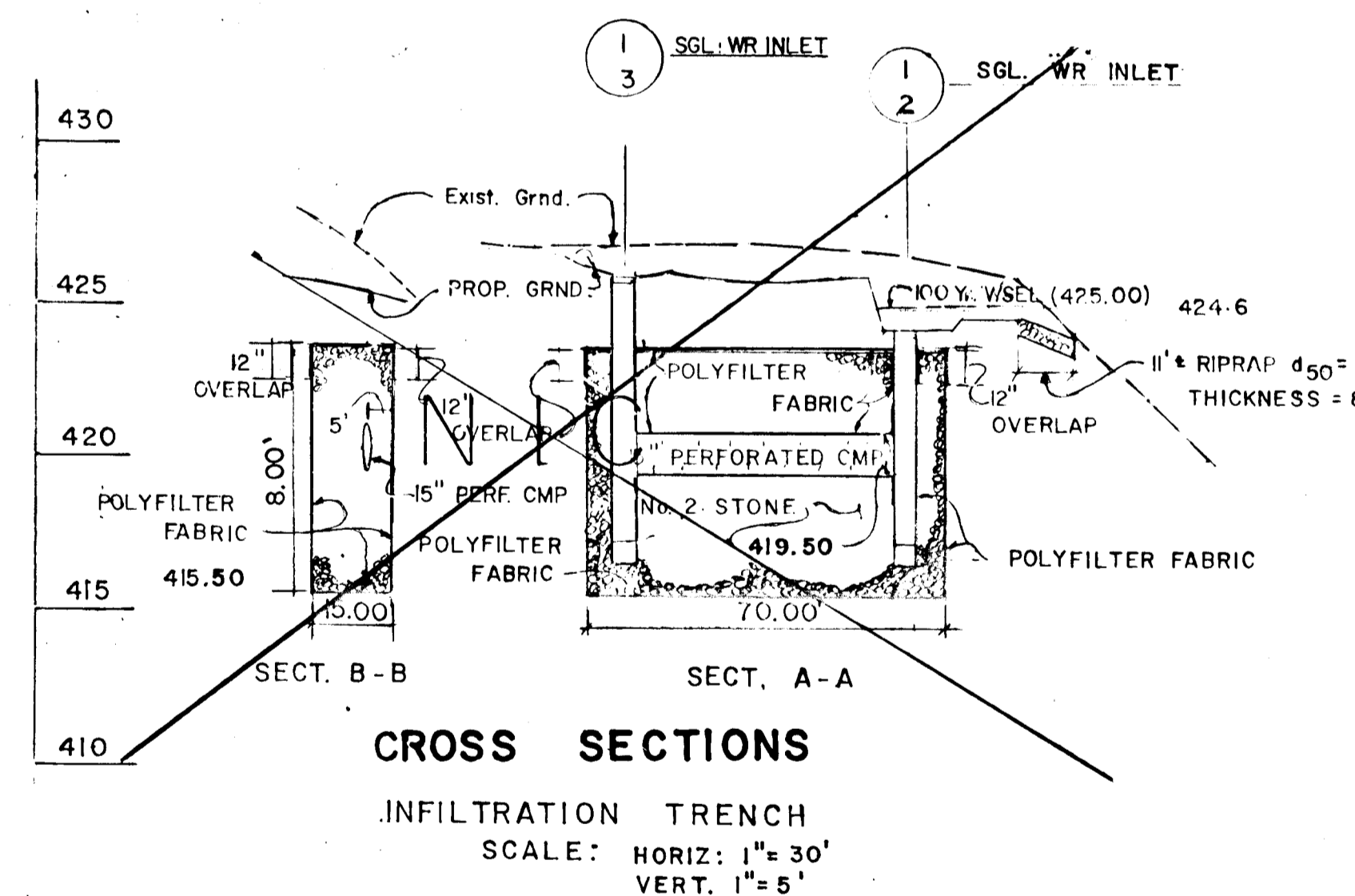
PLAN
WATER QUALITY BASIN
SCALE: 1" = 30'



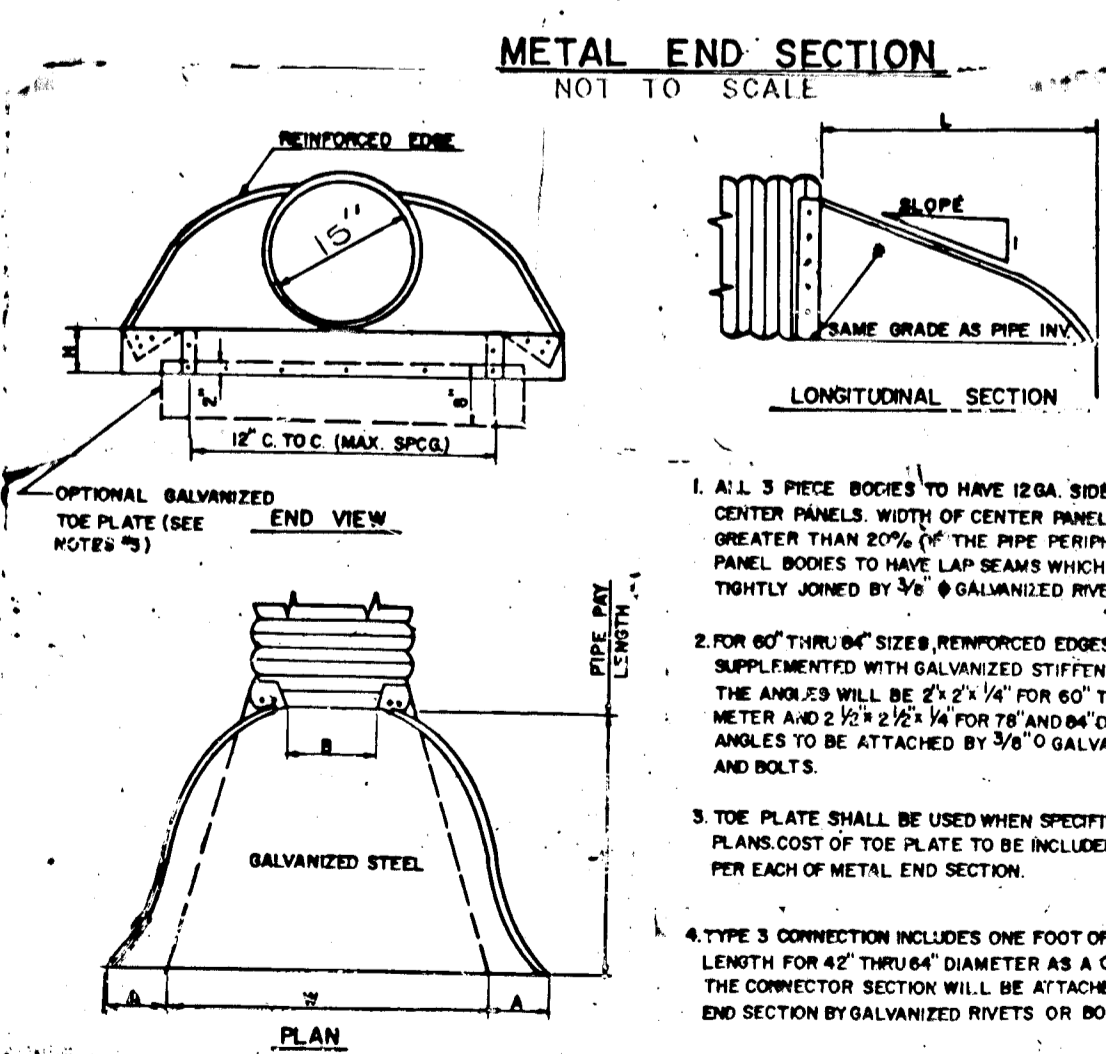
DETAIL OF PRECAST WR INLET
(1-2 and 1-3)
NOT TO SCALE



ULTIMATE SITE GRADING PLAN
SCALE: 1" = 50'



CROSS SECTIONS
INFILTRATION TRENCH
SCALE: HORIZ: 1" = 30'
VERT: 1" = 5'



METAL END SECTION
NOT TO SCALE

1. ALL 3 PICE BOOKS TO HAVE 12GA SIDES AND 10G CENTER PANELS. WIDTH OF CENTER PANELS TO BE GREATER THAN 20% OF THE PIPE PERIPHERY. MULTIPLE PANEL BOOKS TO HAVE LAP BEAMS WHICH ARE TO BE TIGHTLY JOINED BY 3/8" GALVANIZED RIVETS OR BOLTS.
2. FOR 60" THRU 84" SIZES REINFORCED EDGES TO BE SUPPLEMENTED WITH GALVANIZED STEELER ANGLER. THE ANGLER WILL BE 2" X 1/4" FOR 60" THRU 72" DIAMETER AND 2 1/2" X 1/4" FOR 78" AND 84" DIAMETER. THE ANGLER TO BE ATTACHED BY 3/8" GALVANIZED NUTS AND BOLTS.
3. TOE PLATE SHALL BE USED WHEN SPECIFIED ON THE PLANS. COST OF TOE PLATE TO BE INCLUDED IN BID PRICE PER EACH OF METAL END SECTION.
4. TYPE 3 CONNECTION INCLUDES ONE FOOT OF PIPE LENGTH FOR 42" THRU 60" DIAMETER AS A CONNECTOR. THE CONNECTION SECTION WILL BE ATTACHED TO THE END SECTION BY GALVANIZED RIVETS OR BOLTS.

TABLE OF DIMENSIONS

PIPE DIAM.	GA	A	B	H	L	V	APPROX. SLOPE	BODY
42"	10	12"	12"	12"	12"	12"	1:1	12' x 12'
48"	10	12"	12"	12"	12"	12"	1:1	12' x 12'
54"	10	12"	12"	12"	12"	12"	1:1	12' x 12'
60"	10	12"	12"	12"	12"	12"	1:1	12' x 12'
66"	10	12"	12"	12"	12"	12"	1:1	12' x 12'
72"	10	12"	12"	12"	12"	12"	1:1	12' x 12'
78"	10	12"	12"	12"	12"	12"	1:1	12' x 12'
84"	10	12"	12"	12"	12"	12"	1:1	12' x 12'

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Anna Holmquist 4/12/91
 Chief, Division of Community Planning and Land Development

APPROVED: HOWARD COUNTY DEPT. OF PUBLIC WORKS
John A. Sayers 9/2/92
 Chief, Land Development Division

Ch. M. Ferguson 9/2/92
 Chief, Bureau of Highways

William E. Rapp 9-2-92
 Chief, Bureau of Engineering

REVISIONS

DESIGNED	JHE	DATE	4/91
DATE	BY	DESCRIPTION	



ENGINEER
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 6623 HUNTERS WOOD CIRCLE
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SWM PLAN, SECT., DTLS., & ULT. SITE GRADING
TURKEY FARM PLACE
 LOTS 1 THRU 6
 TAX MAP 31 PARCEL 592
 2ND ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 SCALE AS SHOWN CONTRACT NO. FILE NO. SHEET 6 OF 6

1648