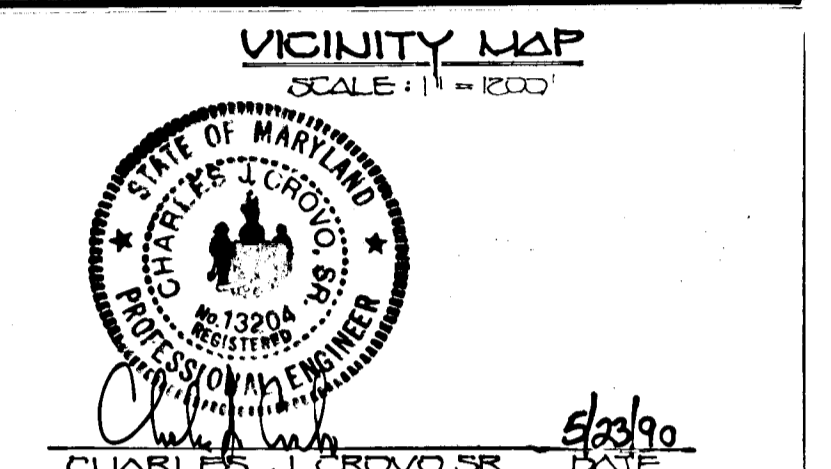
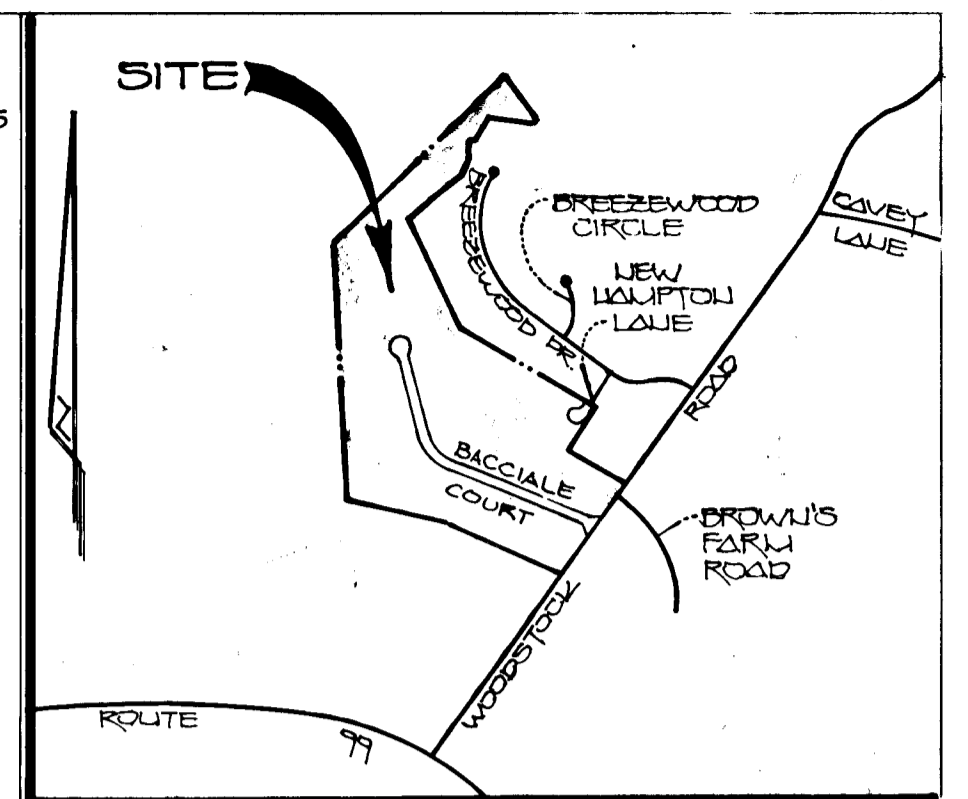


GENERAL NOTES

1. ALL WORK SHALL BE DONE IN ACCORDANCE WITH HOWARD COUNTY STANDARDS, SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
2. ALL UTILITY COMPANIES MUST BE NOTIFIED 24 HRS. IN ADVANCE OF ANY CONSTRUCTION.
3. STORM DRAINAGE TRENCHES WITHIN ROAD RIGHTS-OF-WAY SHALL BE BACKFILLED AND COMPACTED IN ACCORDANCE WITH HOWARD COUNTY ROAD CODES.
4. ANY DAMAGE TO PUBLIC RIGHTS-OF-WAY, PAVING, OR EXISTING UTILITIES WILL BE CORRECTED AT THE CONTRACTOR'S EXPENSE.
5. CONTRACTOR TO NOTIFY THE HOWARD COUNTY INSPECTION AND SURVEY DIVISION AT LEAST 3 DAYS BEFORE STARTING WORK SHOWN ON THESE DRAWINGS. TELEPHONE: 792-7272.
6. APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN FOR THE CONTRACTOR'S INFORMATION; CONTRACTOR SHALL LOCATE EXISTING UTILITIES WELL IN ADVANCE OF CONSTRUCTION ACTIVITIES AND TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN UNINTERRUPTED SERVICE.
7. ALL TRAFFIC CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES CURRENT REVISED EDITION.
8. THE EXISTING POND ON LOT 14 SHALL DEWATERED AN OPENING SHALL BE CUT IN THE POND EMBANKMENT TO PROVIDE POSITIVE DRAINAGE THROUGH THE POND.

BELOW MARKS
 BM #1001 ELEV. 425.45
 PK. NAIL SET AT EDGE OF ROAD 470' SOUTH FROM THE INTERSECTION OF WOODSTOCK ROAD AND BRACCIALE COURT.
 BM #1 ELEV. 431.17
 TOP RIM ELEV. OF STORM DRAIN MANHOLE AT THE INTERSECTION OF WOODSTOCK ROAD AND BROWN'S FARM ROAD.



BRACCIALE PROPERTY
 LOTS 5-17
 A RESUBDIVISION OF LOTS 1, 2 & 4
 THIRD ELECTION DISTRICT HOWARD CO., MARYLAND
 TAX MAP: 10 GRIDS: 17, 18, 20 & PARCELS: 32

WOODSTOCK ROAD BRACCIALE COURT
 PLAN AND PROFILE PLAN

OWNER: MR. VINCENT BRACCIALE
 DEVELOPER: MR. VINCENT BRACCIALE LAND DESIGN & DEVELOPMENT

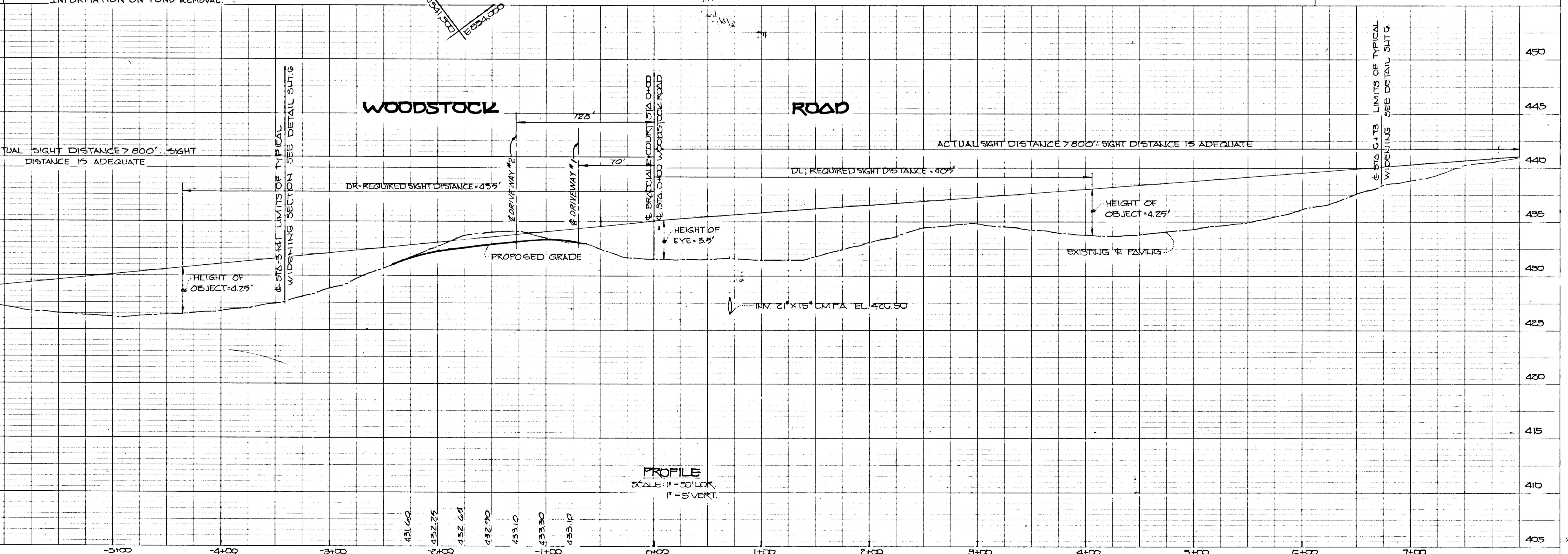
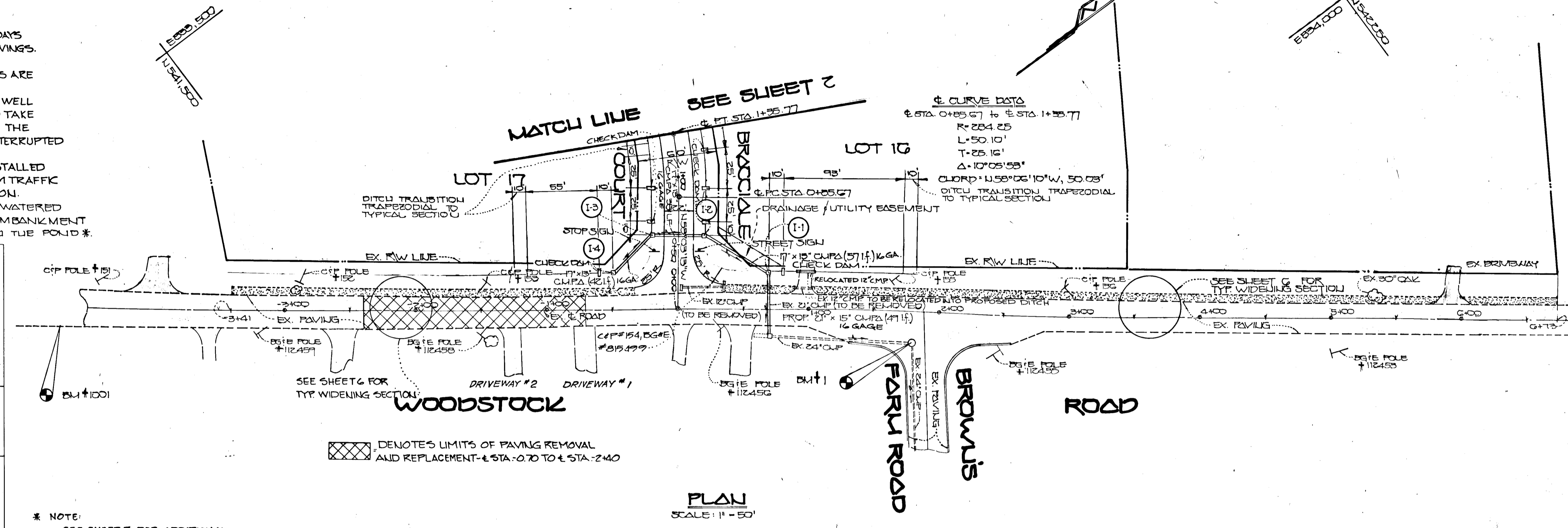
SCALE: AS SHOWN DATE: SEPT. 22, 1989 DWG. NO. 1 OF 7
 DES: W.J. FRALIC DRN: J.W. SALAS ENR: C.J. CROVO, SR.

FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043

DATE	BY	REVISION
6/20/90	M. Senygam	APPROVED
6/8/90	W. Weiland	APPROVED
6/22/90	R. Temple	APPROVED

DATE	BY	REVISION
6/20/90	M. Senygam	APPROVED
6/8/90	W. Weiland	APPROVED
6/22/90	R. Temple	APPROVED

DATE	BY	REVISION
6/20/90	M. Senygam	APPROVED
6/8/90	W. Weiland	APPROVED
6/22/90	R. Temple	APPROVED



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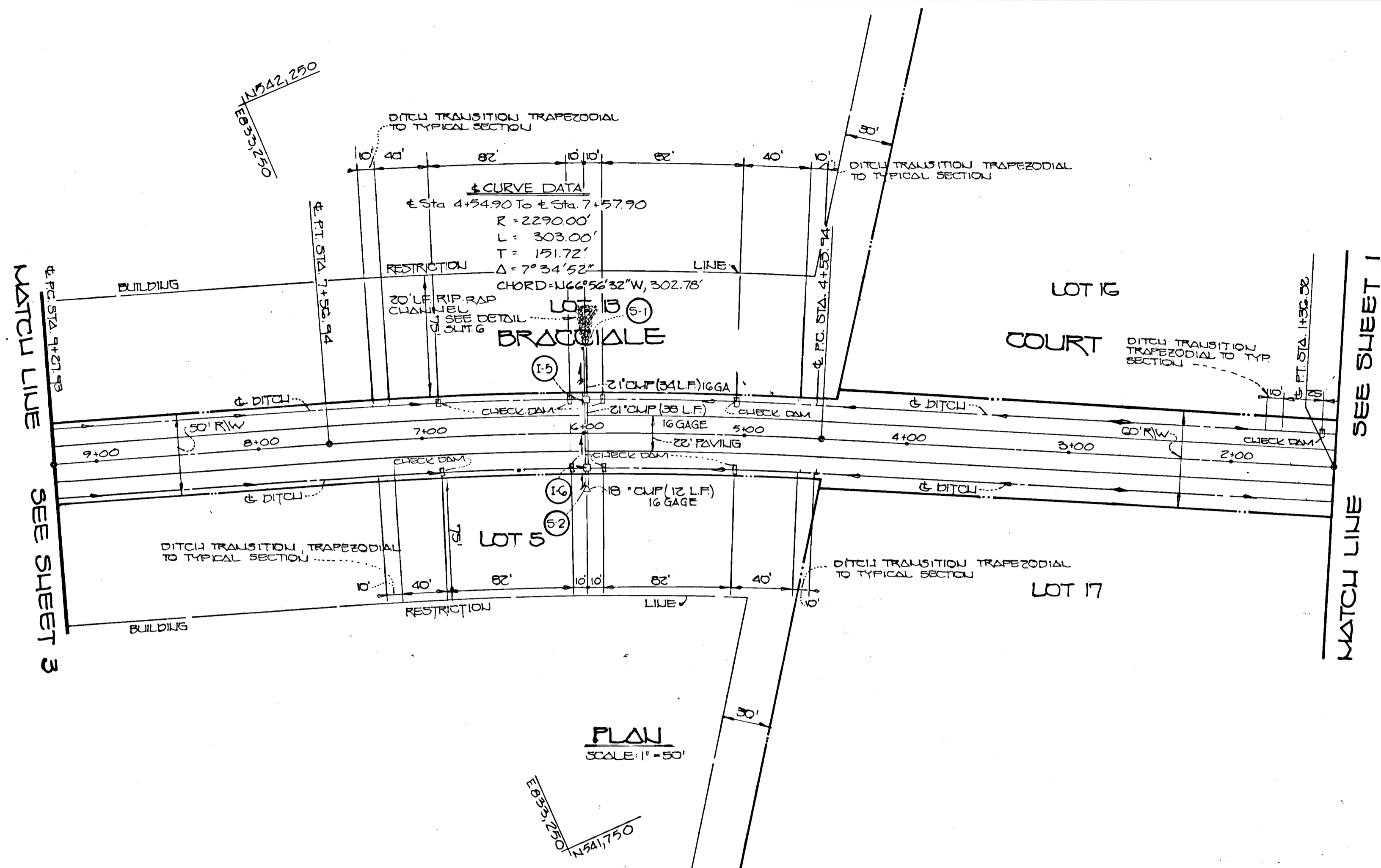
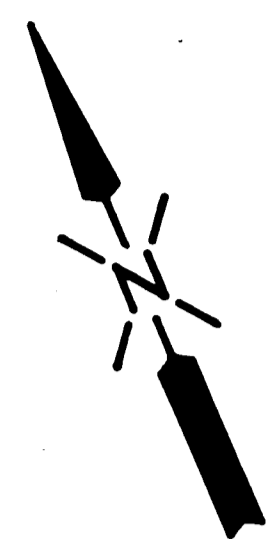
DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	

DATE	
BY	
SURVEYED	
PLOTTED	
GRADES CHECKED	
STRUCTURE NOTATIONS CHECKED	
NOTE BOOK NO.	

APPROVED
DEPARTMENT OF PUBLIC WORKS
Ala M. Sengem 6/20/90
CHIEF, LAND DEVELOPMENT DIVISION

APPROVED
DEPARTMENT OF PUBLIC WORKS
Alphredo Q. Colea 6/21/90
CHIEF, BUREAU OF HIGHWAYS EXHIBIT 21A

APPROVED
DEPT. OF PLANNING AND ZONING
Mark J. Sengle 6/21/90
CHIEF, DIVISION OF COMM. PLANNING AND LAND DEVELOPMENT



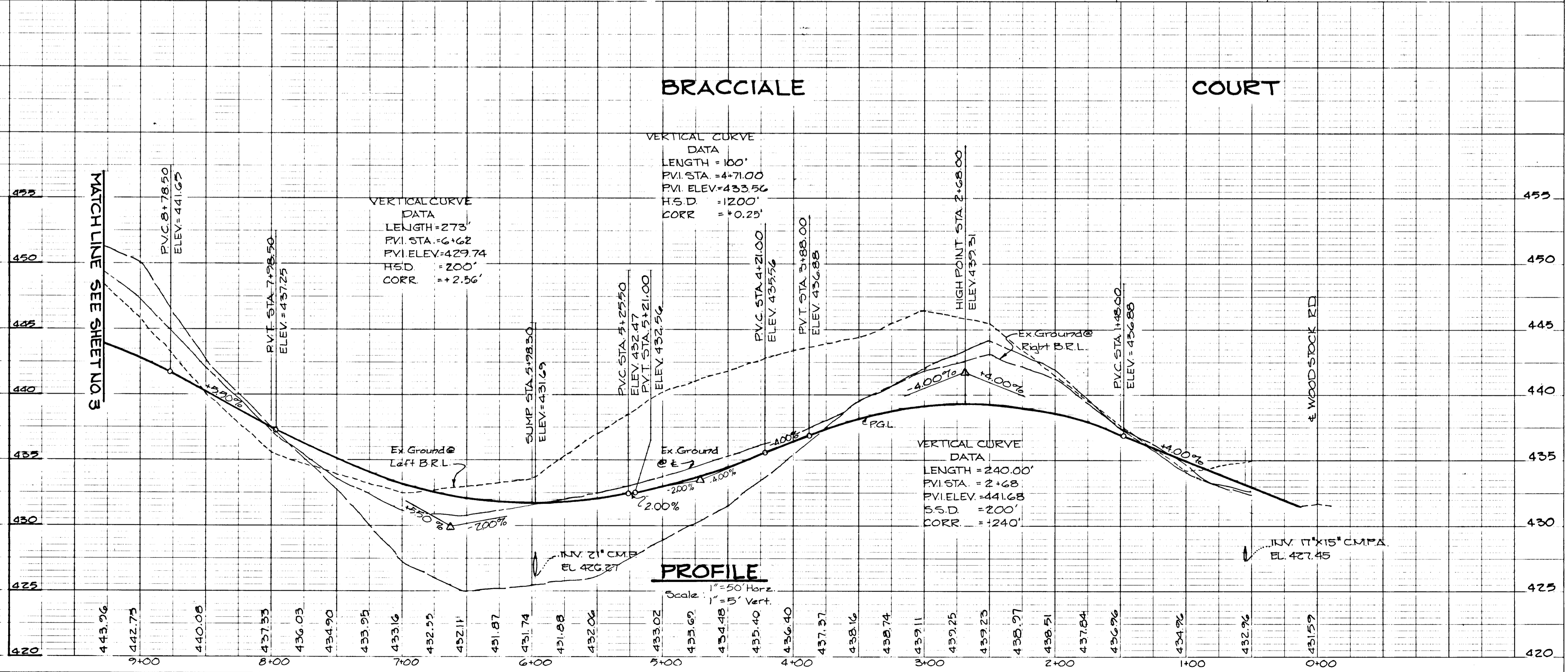
STATE OF MARYLAND
CHARLES J. CROUD JR.
PROFESSIONAL ENGINEER
5/3/90 DATE

BRACCIALE PROPERTY
LOTS 5-17
A RESUBDIVISION OF LOTS 1, 2 & 4
THIRD ELECTION DISTRICT HOWARD CO MARYLAND
TAX MAP: D GRIDS 17, B, 23 & 24 PARCEL: 33

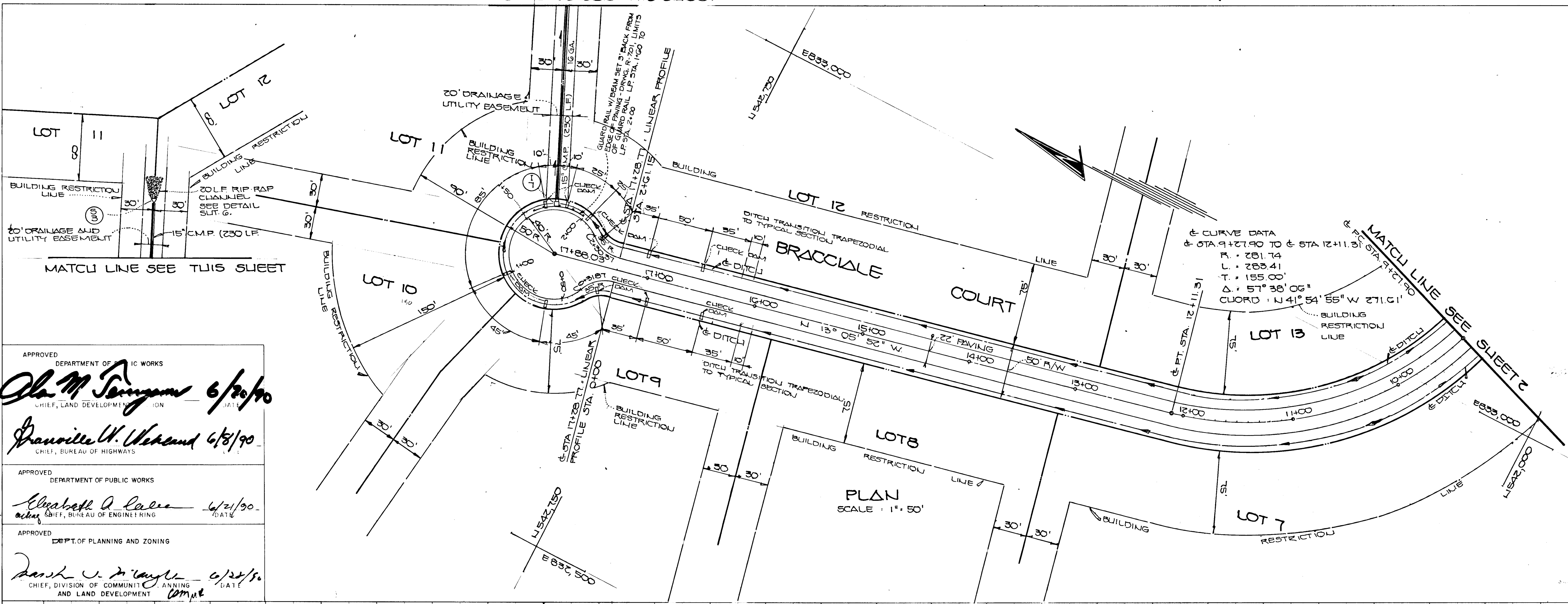
BRACCIALE COURT
PLAN & PROFILE

OWNER	MR. VINCENT BRACCIALE
DEVELOPER	LAND DESIGN DEVELOPMENT
DESIGNER	W.K. PRALIC
DRAWN	DAW SOLAS
CHECKED	C. CROUD, SR.

SCALE: AS SHOWN DATE: SEPT. 22, 1991 DWG. NO. 2 OF 7
FISHER, COLLINS AND CARTER, INC.
CIVIL ENGINEERS AND LAND SURVEYORS
8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043



MATCH LINE SEE THIS SHEET



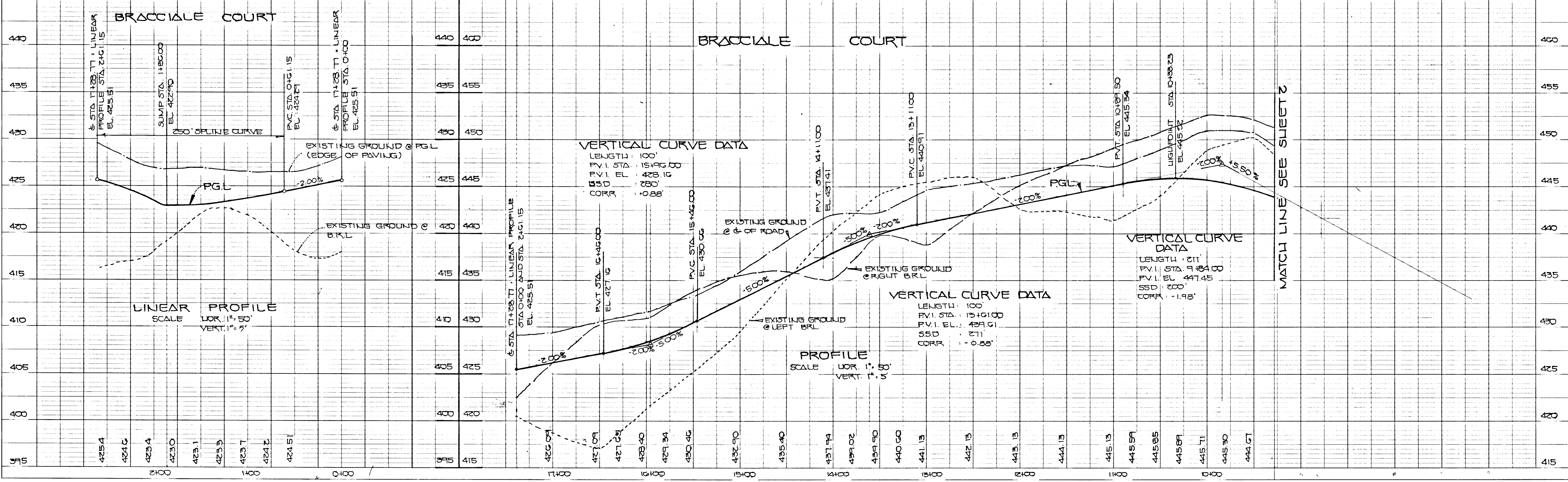
Charles J. Crovo
 CHARLES J. CROVO SR. 5/23/90
 DATE

BRACCIALE PROPERTY
 LOTS 5-17
 A RESUBDIVISION OF LOTS 1, 2 & 4
 THIRD ELECTION DISTRICT HOWARD CO., MARYLAND
 TAX MAP 10 GRIDS 17, 18, 23 & 24 PARCEL 33
 BRACCIALE COURT
 PLAN AND PROFILE

OWNER: MR. VINCENT BRACCIALE LAND DESIGN DEVELOPMENT
 DEVELOPER: 8307 MAIN STREET WOODSTOCK, MARYLAND 21153
 SCALE: AS SHOWN DATE: SEPT. 22, 1989 DWG. NO. 3 OF 7
 DESIGNED BY: W.A. FRALIG DRAWN BY: A.W. SALAS CHECKED BY: C.J. CROVO, P.E.
FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELLICOTT CITY, MARYLAND 21043

APPROVED
 DEPARTMENT OF PUBLIC WORKS
Olga M. Tompkins 6/20/90
 CHIEF, LAND DEVELOPMENT DIVISION
 APPROVED
 DEPARTMENT OF PUBLIC WORKS
Francis W. Wickand 6/18/90
 CHIEF, BUREAU OF HIGHWAYS
 APPROVED
 DEPARTMENT OF PUBLIC WORKS
Elizabeth A. Calce 6/21/90
 CHIEF, BUREAU OF ENGINEERING
 APPROVED
 DEPT. OF PLANNING AND ZONING
Derek J. M'Laughlin 6/22/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 RT. OF WAY CHECKED: _____
 NOTE BOOK NO.: _____

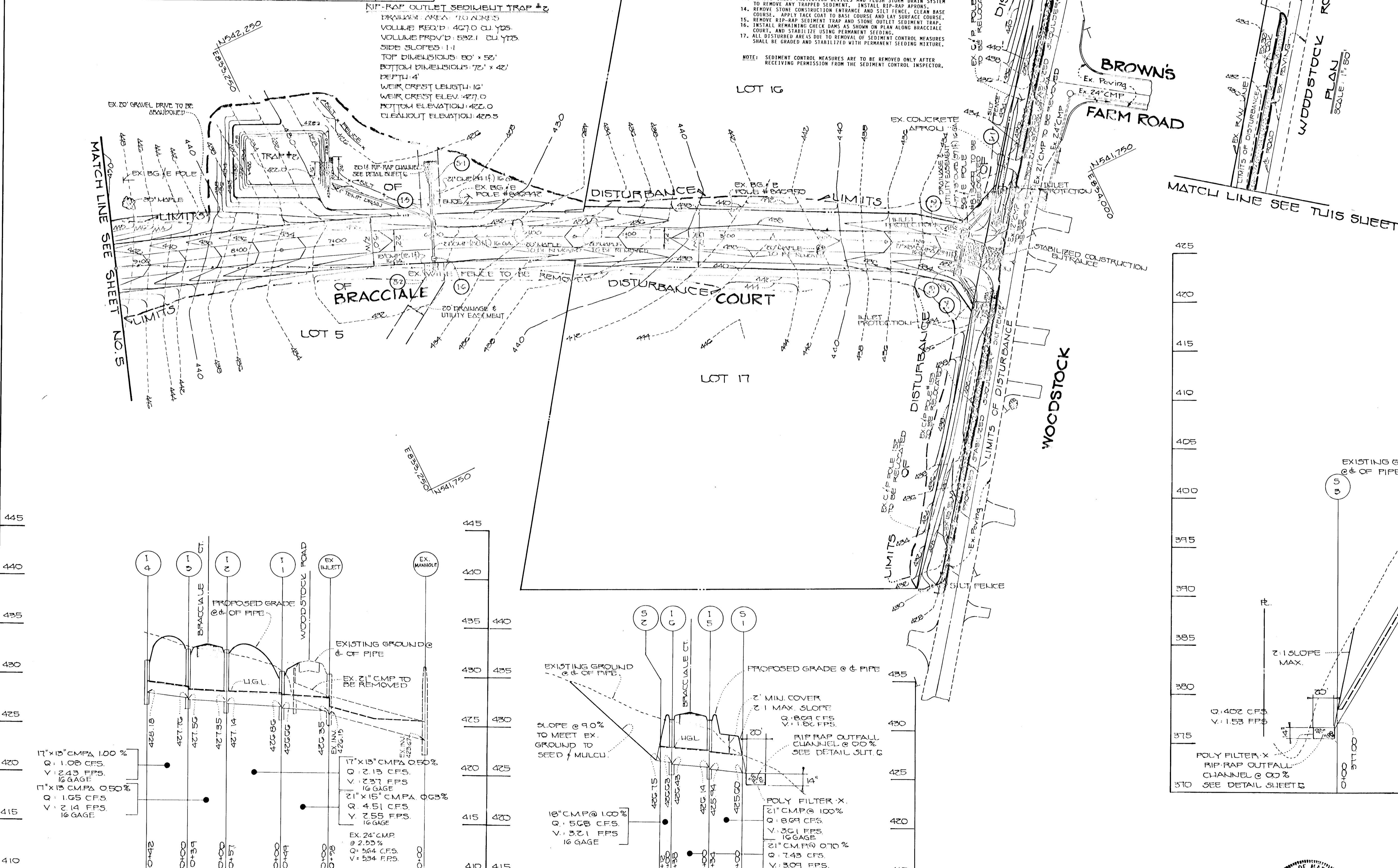


DATE: _____
 BY: _____
 SURVEYED: _____
 PLOTTED: _____
 CHECKED: _____
 B.W. NOTED: _____
 STRUCTURE NOTATIONS OK'D: _____

1178

STRUCT.	TYPE	TOP STRUCT.	INLET	OUTLET	ROAD STATION	OFFSET	REMARKS
I-1	INLET	430.44	426.00	426.05	WOODSTOCK RD. +047.0	20' LEFT	SD 4-12 SD 4-8
I-2	"	432.51	427.25	427.14	BRACCIALE CT. +045.0	21' RIGHT	"
I-3	"	432.51	427.72	427.52	BRACCIALE CT. +045.5	21' LEFT	"
I-4	"	431.37	-	427.97	WOODSTOCK RD. +049.0	20' RIGHT	"
I-5	"	431.40	426.14	425.94	BRACCIALE CT. +049.00	21' LEFT	"
I-6	"	431.40	426.03	426.43	BRACCIALE CT. +049.00	21' RIGHT	"
I-7	"	422.25	-	416.10	BRACCIALE CT. +049.00	-	"
S-2	SEWER	428.25	426.75	-	BRACCIALE CT. +049.00	5' LEFT	SD 5-6
S-1	SEWER	427.50	-	425.00	BRACCIALE CT. +049.00	5' RIGHT	SD 5-6
S-3	CONCRETE	378.25	-	377.00	BRACCIALE CT. +049.00	23.5' RIGHT	SD 5-6

RIP-RAP OUTLET SEDIMENT TRAP #2
 PRADISE AREA 70 ACRES
 VOLUME REQ'D 4070 CU YDS
 VOLUME PROVIDED 5821 CU YDS
 SIDE SLOPES 1:1
 TOP DIMENSIONS 80' x 50'
 BOTTOM DIMENSIONS 70' x 42'
 DEPTH 4'
 WEIR CREST LENGTH 10'
 WEIR CREST ELEV. 427.0
 BOTTOM ELEVATION 422.0
 CLEAROUT ELEVATION 425.5



- CONSTRUCTION SEQUENCE**
- OBTAIN GRADING PERMIT.
 - CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE AND SILT FENCE AS SHOWN ON PLAN.
 - INSTALL EARTH DICES AND CONSTRUCT SEDIMENT TRAPS AS SHOWN. STABILIZE WITH TEMPORARY SEEDING. CONSTRUCT EARTHEN CHECK DAMS ALONG WOODSTOCK ROAD AS SHOWN ON PLAN.
 - CONSTRUCT STORM DRAIN SYSTEM.
 - THE CONTRACTOR SHALL PLACE SILT FENCE DOWNGRADE OF ANY DISTURBED AREA DURING CONSTRUCTION OF THE STORM DRAIN SYSTEM AND CHANNEL CONSTRUCTION ALONG WOODSTOCK ROAD.
 - GRADE ROADS TO SUBGRADE.
 - INSTALL INLET PROTECTION DEVICES WHERE SHOWN ON PLAN USING SILT FENCE AROUND THE INLETS.
 - BEGIN BUILDING CONSTRUCTION. INSTALL BASE COURSE.
 - SEDIMENT SHALL BE REMOVED FROM THE SEDIMENT TRAPS WHEN THE CLEAN OUT ELEVATION HAS BEEN REACHED.
 - THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE TO THE SEDIMENT TRAPS AND CHECK DAMS ALONG WOODSTOCK ROAD HEREON AFTER EACH RAINFALL AND ON A DAILY BASIS.
 - CHECK DAMS SHALL BE PLACED UP GRAD FROM THE SEDIMENT TRAPS IN SUCH A MANNER AS NOT TO INTERFERE WITH CONSTRUCTION OPERATIONS OR CAUSE EROSION DOWNGRADE FROM THE SEDIMENT TRAPS AND CHECK DAMS.
 - REMOVE SEDIMENT FROM ROADWAYS AND DRESS STONE CONSTRUCTION ENTRANCE AS REQUIRED.
 - REMOVE INLET PROTECTION DEVICES AND FLUSH STORM DRAIN SYSTEM TO REMOVE ANY TRAPPED SEDIMENT. INSTALL RIP-RAP APPROXS.
 - REMOVE STONE CONSTRUCTION ENTRANCE AND SILT FENCE. CLEAN BASE COURSE. APPLY TRACK COAT TO BASE COURSE AND LAY SURFACE COURSE.
 - REMOVE RIP-RAP SEDIMENT TRAP AND STONE OUTLET SEDIMENT TRAP.
 - INSTALL REMAINING CHECK DAMS AS SHOWN ON PLAN ALONG BRACCIALE COURT, AND STABILIZE USING PERMANENT SEEDING.
 - ALL DISTURBED AREAS DUE TO REMOVAL OF SEDIMENT CONTROL MEASURES SHALL BE GRADED AND STABILIZED WITH PERMANENT SEEDING MIXTURE.
- NOTE:** SEDIMENT CONTROL MEASURES ARE TO BE REMOVED ONLY AFTER RECEIVING PERMISSION FROM THE SEDIMENT CONTROL INSPECTOR.

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 CONDITION AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 DATE: 5/23/90

DEVELOPER'S CERTIFICATE
 I HEREBY 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 DEPARTMENT OF NATURAL RESOURCES 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 DEFINED NECESSARY.
 DATE: 5/23/90

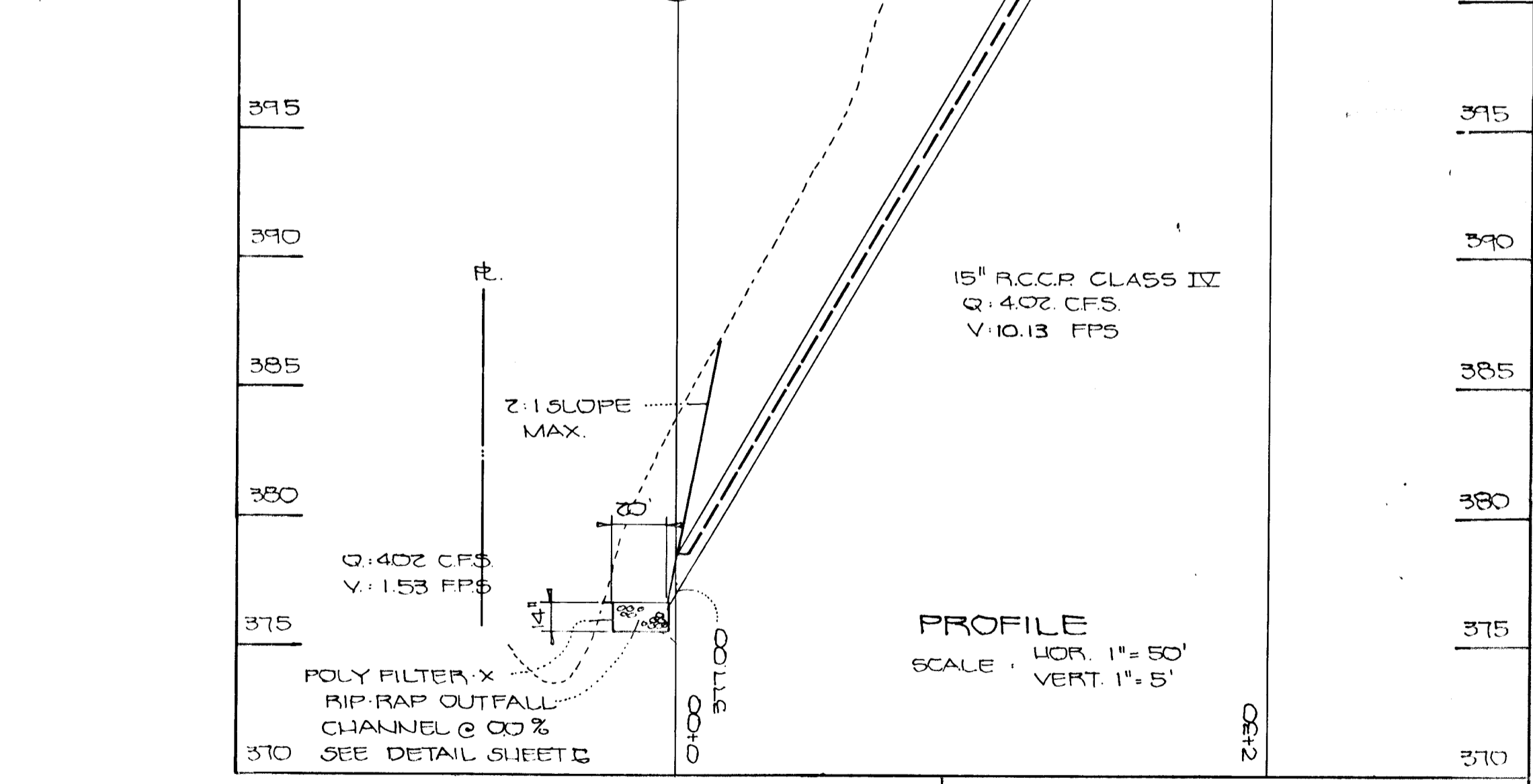
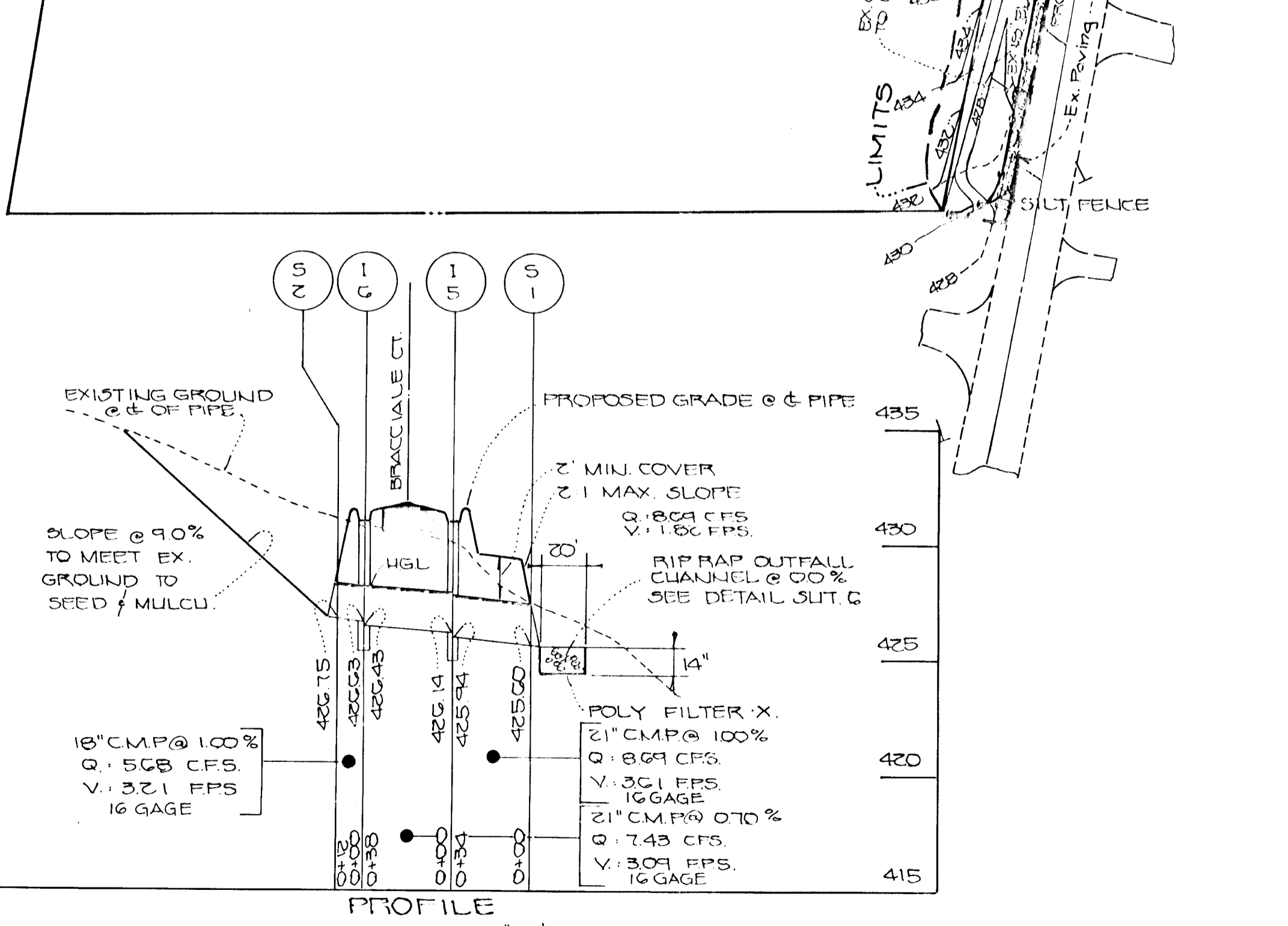
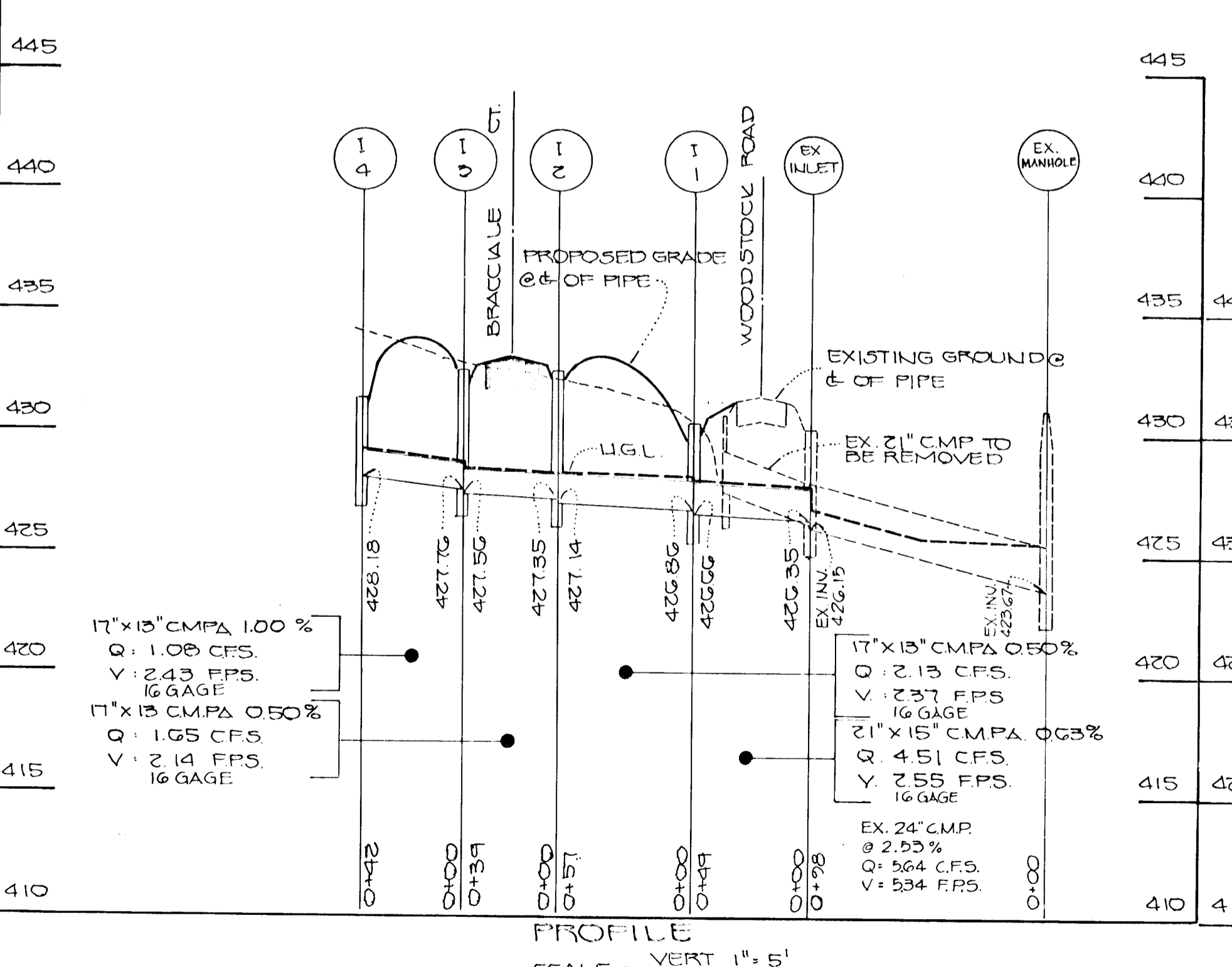
APPROVED: DEPARTMENT OF PLANNING AND ZONING
 DATE: 6/1/90

APPROVED: DEPARTMENT OF PLANNING AND ZONING
 DATE: 6/2/90

APPROVED: DEPARTMENT OF PUBLIC WORKS
 DATE: 6/2/90

APPROVED: DEPARTMENT OF PUBLIC WORKS
 DATE: 6/2/90

APPROVED: DEPARTMENT OF PUBLIC WORKS
 DATE: 6/20/90



RIP-RAP CHANNEL DESIGN DATA

STRUCT.	AREA #	WETTED PERIMETER	HYDRAULIC RADIUS	F/S	SLOPE	5%	n	Q cfs	V fpm	d	v	RIP-RAP SIZE max	BLANKET THICKNESS
S-3	2.84	6.27	0.46	0.58	0.50%	0.077	0.04	4.02	1.53	0.59	3.67	6"	14"
S-1	4.83	8.93	0.50	0.64	0.50%	0.077	0.04	8.27	1.82	0.75	5.00	6"	14"

BRACCIALE PROPERTY
 LOTS 5-17
 A RESUBDIVISION OF LOTS 12-14
 THIRD ELECTION DISTRICT, HOWARD COUNTY, MARYLAND
 TAX MAP ID: GRIDS 17, 18, 25 & 24 PARCELS 12-14

GRADING PLAN
STORM DRAIN PROFILES

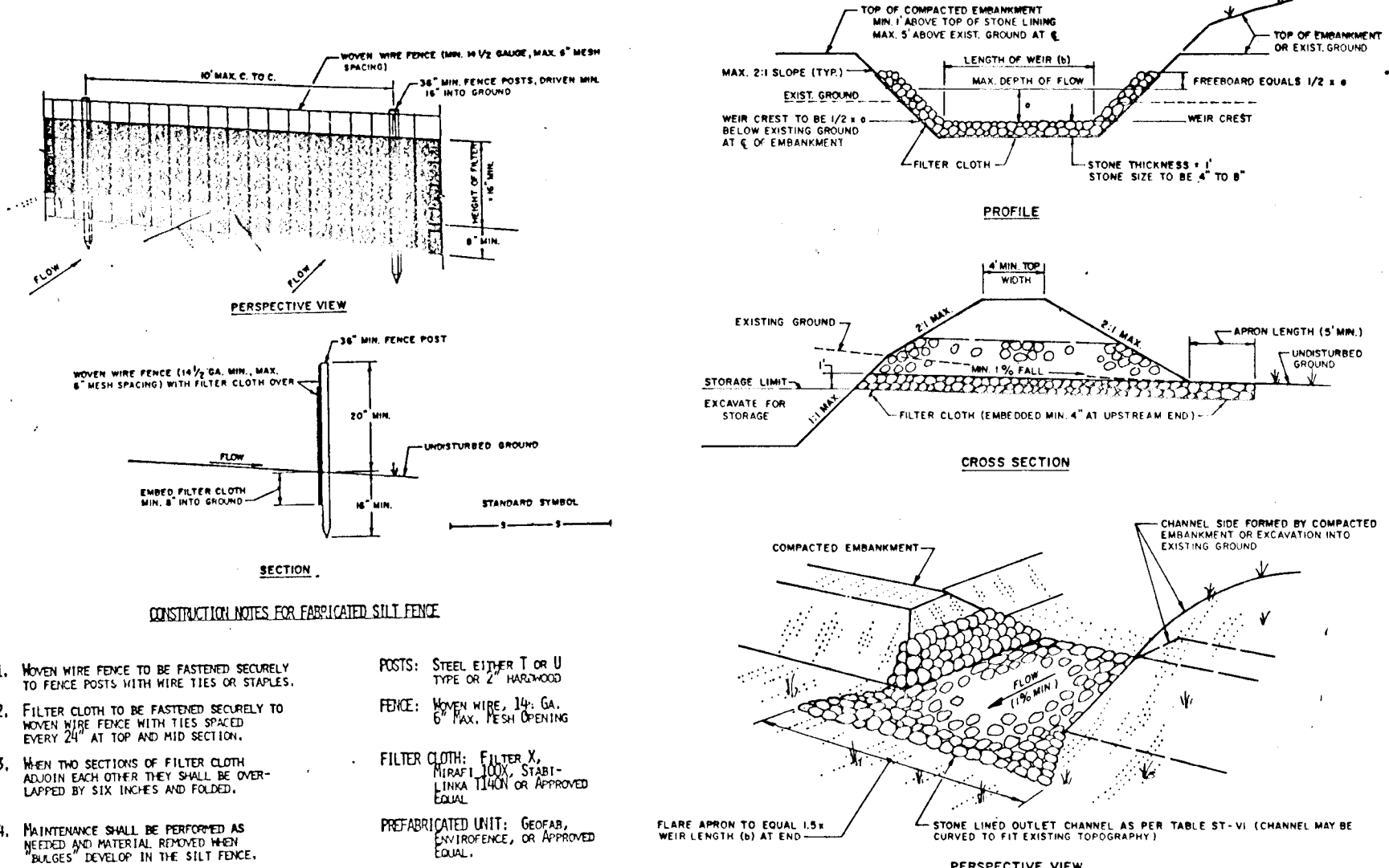
SCALE: AS SHOWN
 DATE: 5/23/90
 DES: W.F. FRANK
 DRN: JAMES ZAS
 CHECK: JAMES ZAS



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FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043

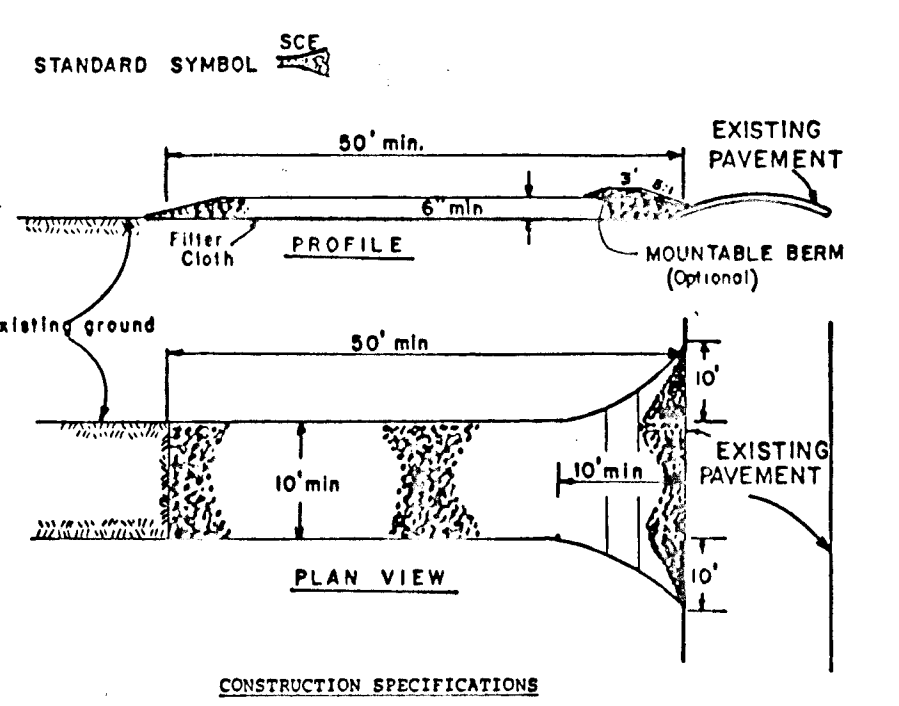
PERMANENT SEEDING NOTES:
 APPLY TO GRADED OR CLEARED AREA NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG-LIVED VEGETATIVE COVER IS NEEDED.
SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING. IF NOT PREVIOUSLY LOOSENED, SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
 1) PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ.FT.) BEFORE SEEDING.
 2) ACCEPTABLE - 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.
SEEDING: FOR 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, PROFILE 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 UNWROTTEN 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.
APPLY TO GRADED OR CLEARED AREA LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
SEEDING PREPARATION: LOOSEN UPPER THREE-INCHES OF SOIL BY RAKING, DISCING 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 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 WEEPING LOVEGRASS (.07 LBS/1000 SQ.FT.). FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROFILE SITE BY APPLYING 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 UNWROTTEN 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 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL FOR RATE AND METHODS NOT COVERED.



SILT FENCE
 NO SCALE

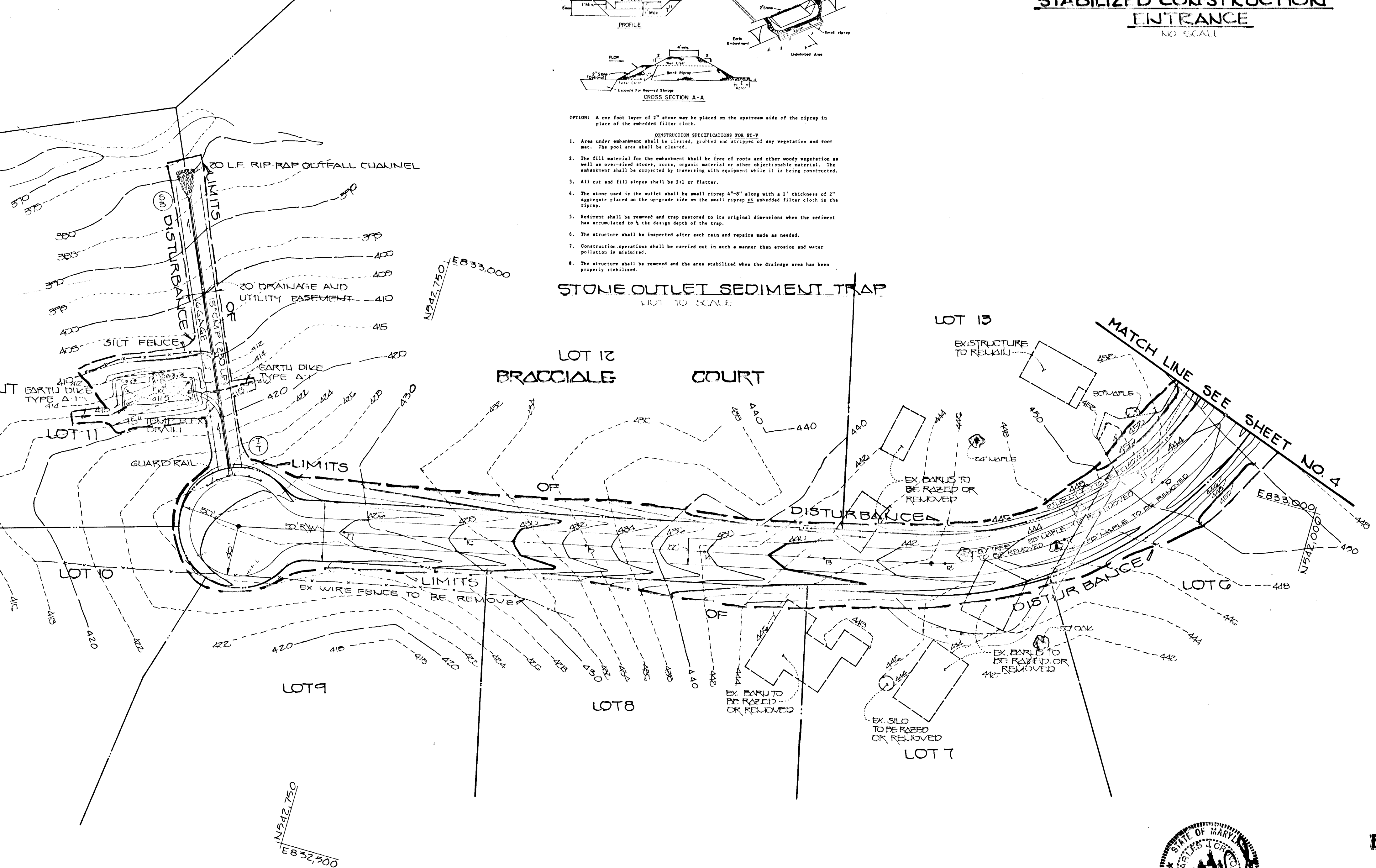
RIP-RAP OUTLET SEDIMENT TRAP
 1/8\"/>

- The area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
- The fill material for the embankment shall be free of roots or other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed. Maximum height of embankment shall be five (5) feet, measured at centerline of embankment.
- All fill slopes shall be 2:1 or flatter; cut slopes 1:1 or flatter.
- Elevation of the top of any dike directing water into trap must equal or exceed the height of embankment.
- Storage area provided shall be figured by computing the volume available behind the outlet channel up to an elevation of one (1) foot below the level weir crest.
- Filter cloth shall be placed over the bottom and sides of the outlet channel prior to placement of stone. Sections of fabric must overlap at least one (1) foot with section nearest the entrance placed on top. Fabric shall be embedded at least six (6) inches into existing ground at entrance of outlet channel.
- Stone used in the outlet channel shall be four (4) to eight (8) inches (riprap). To provide a filtering effect, a layer of filter cloth shall be embedded one (1) foot back into the upstream face of the outlet stone or a one (1) foot thick layer of two (2) inch or finer aggregate shall be placed on the upstream face of the outlet.
- Sediment shall be removed and trap returned to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
- The structure shall be inspected after each rain and repaired as needed.
- Construction operations shall be carried out in such a manner that erosion and water pollution are minimized.
- The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
- Drainage area for this practice is limited to 15 acres or less.



- Stone Size - Use 2" stone, or reclaimed or recycled concrete equivalent.
 - Length - As required, but not less than 50 feet (except on a single residence lot where a 30 foot minimum length would apply).
 - Thickness - Not less than six (6) inches.
 - Width - Ten (10) foot minimum, but not less than the full width at points where ingress or egress occurs.
 - 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.
 - Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mountable beam with 5:1 slope will be permitted.
 - Maintenance - The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment applied, dropped, washed or tracked onto public rights-of-way must be removed immediately.
 - Washing - Wheels shall be cleaned to remove sediment prior to entrance onto public rights-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.
 - Periodic inspection and needed maintenance shall be provided after each rain.
- STABILIZED CONSTRUCTION ENTRANCE**
 NO SCALE

- SEDIMENT CONTROL NOTES:**
 1) A MINIMUM OF 24 HOURS NOTICE MUST BE GIVEN TO THE HOWARD COUNTY OFFICE OF INSPECTIONS AND PERMITS PRIOR TO THE START OF ANY CONSTRUCTION (992-2437).
 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 SOIL 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 5:1, 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. 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 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.
 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:
 TOTAL AREA OF SITE: 578 ACRES
 AREA DISTURBED: 527 ACRES
 AREA TO BE ROOFED OR PAVED: 132 ACRES
 AREA TO BE VEGETATIVELY STABILIZED: 152 ACRES
 TOTAL CUT: 400 CU. YDS.
 TOTAL FILL: 1100 CU. YDS.
 OFFSITE WASTE/BORROW AREA LOCATION: CU. YDS.
 8) ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITY FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
 9) ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY OPW 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.



- STONE OUTLET SEDIMENT TRAP**
 1/8\"/>
 - Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
 - The fill material for the embankment shall be free of roots and other woody vegetation as well as over-sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
 - All cut and fill slopes shall be 2:1 or flatter.
 - The stone used in the outlet shall be small riprap 4" to 8" along with a 1" thickness of 2" aggregate placed on the upstream side of the small riprap on embedded filter cloth in the riprap.
 - Sediment shall be removed and trap returned to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap.
 - The structure shall be inspected after each rain and repairs made as needed.
 - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
 - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.

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.
 Signature of Engineer: [Signature] DATE: 6/20/90

DEVELOPER'S CERTIFICATE
 I HEREBY 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 DEPARTMENT OF NATURAL RESOURCES 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.
 Signature of Developer: [Signature] DATE: 5/23/90

REVIEWED FOR HOWARD COUNTY SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.
 Signature: [Signature] DATE: 6/1/90

THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 Signature: [Signature] DATE: 6/1/90

APPROVED: DEPT. OF PLANNING AND ZONING
 Signature: [Signature] DATE: 6/20/90

APPROVED: DEPARTMENT OF PUBLIC WORKS
 Signature: [Signature] DATE: 6/21/90

APPROVED: DEPARTMENT OF PUBLIC WORKS
 Signature: [Signature] DATE: 6/8/90

APPROVED: DEPARTMENT OF PUBLIC WORKS
 Signature: [Signature] DATE: 6/26/90



GRADING AND SEDIMENT CONTROL PLAN
BRACCIALE PROPERTY
 LOTS 5 THRU 17
 A RESUBDIVISION OF LOTS 12 & 4
 THIRD ELECTION DISTRICT HOWARD CO., MARYLAND
 TAX MAP: 10 GRIDS: 17, 18, 24 PARCEL: 9C
 SCALE: 1" = 50' SEPT. 22, 1979
 500-110 W. 09-111 E. 03-104
 DWG 5 OF 7

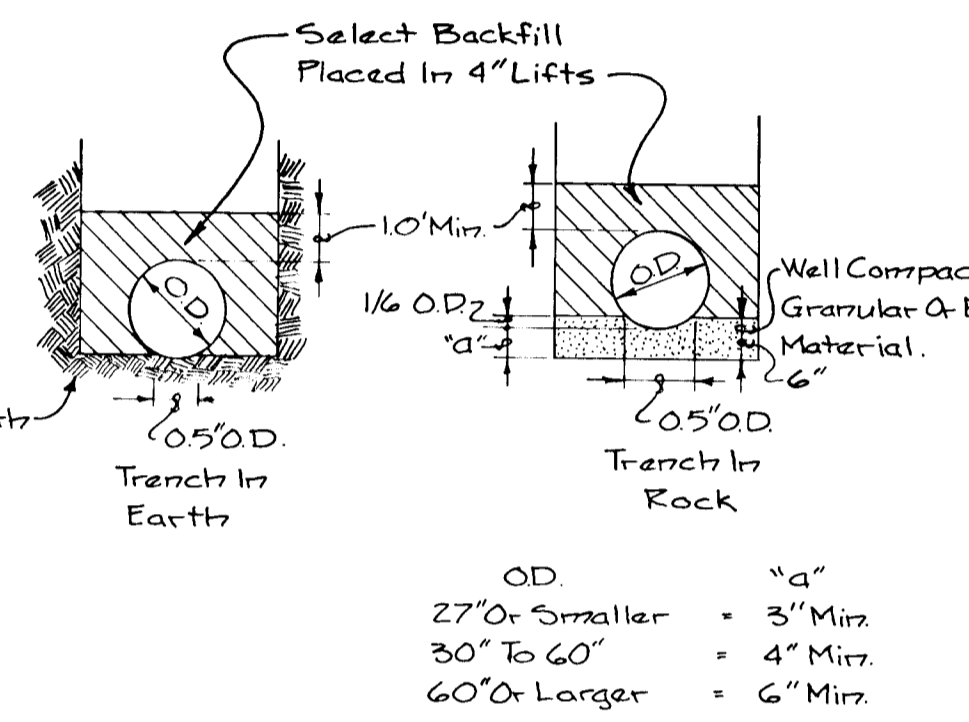
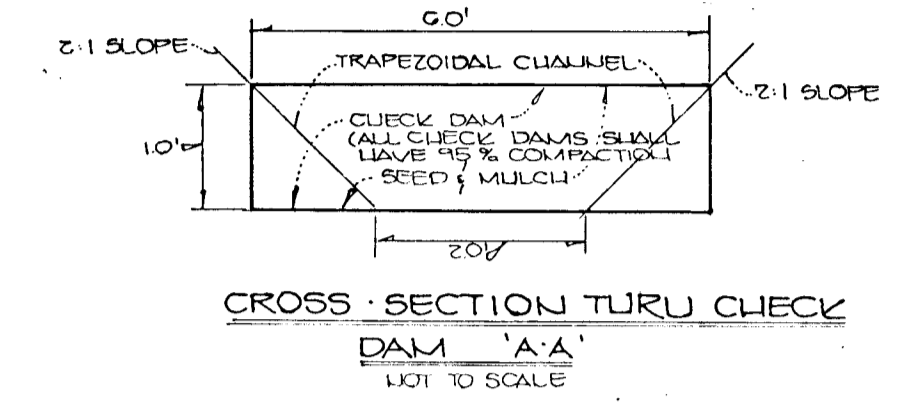
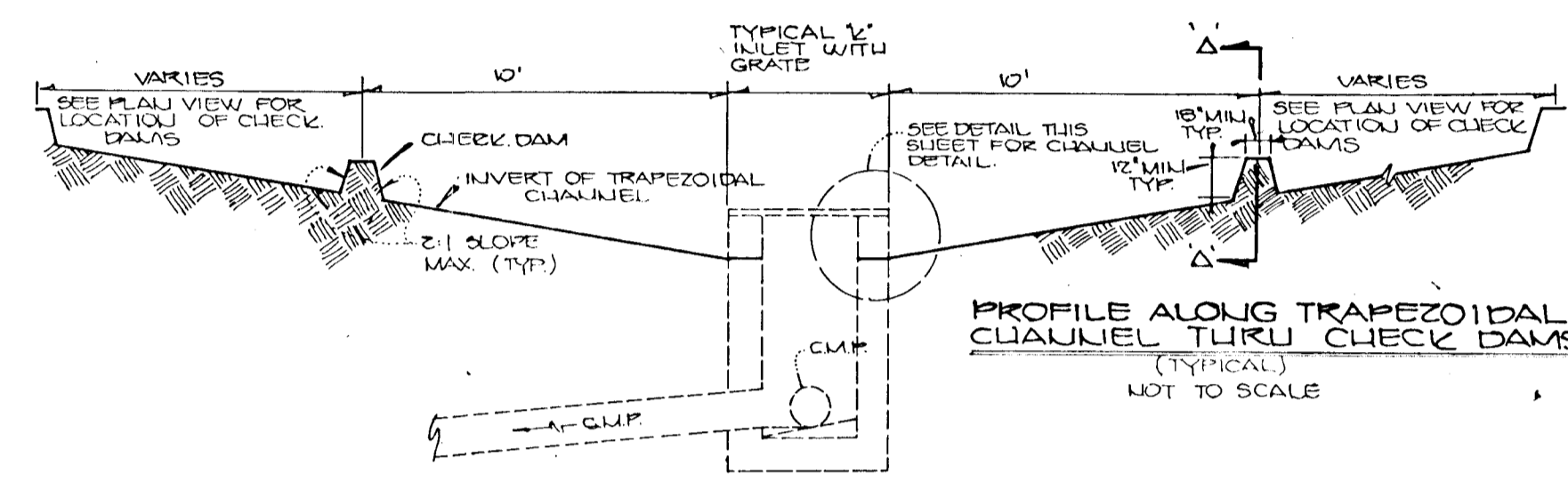
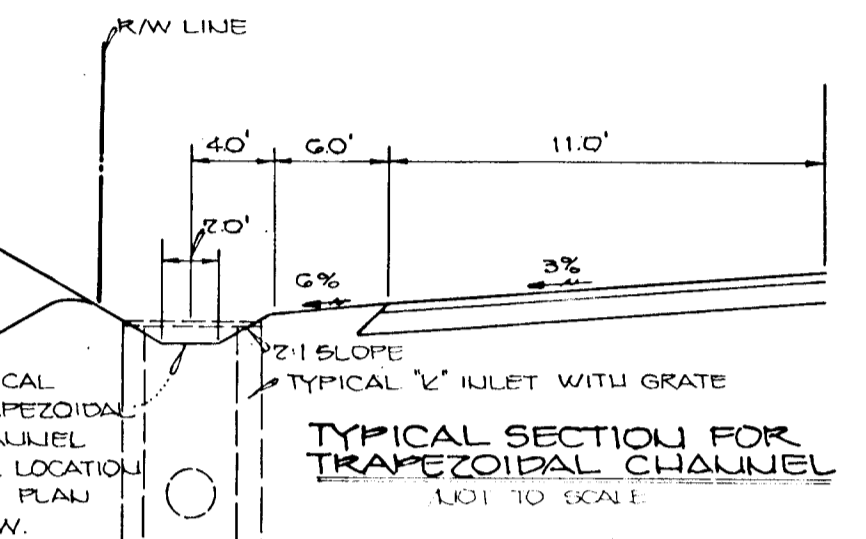
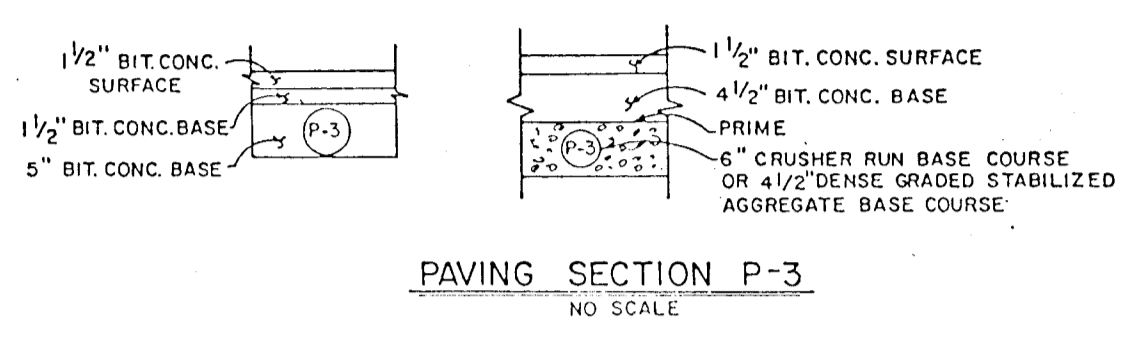
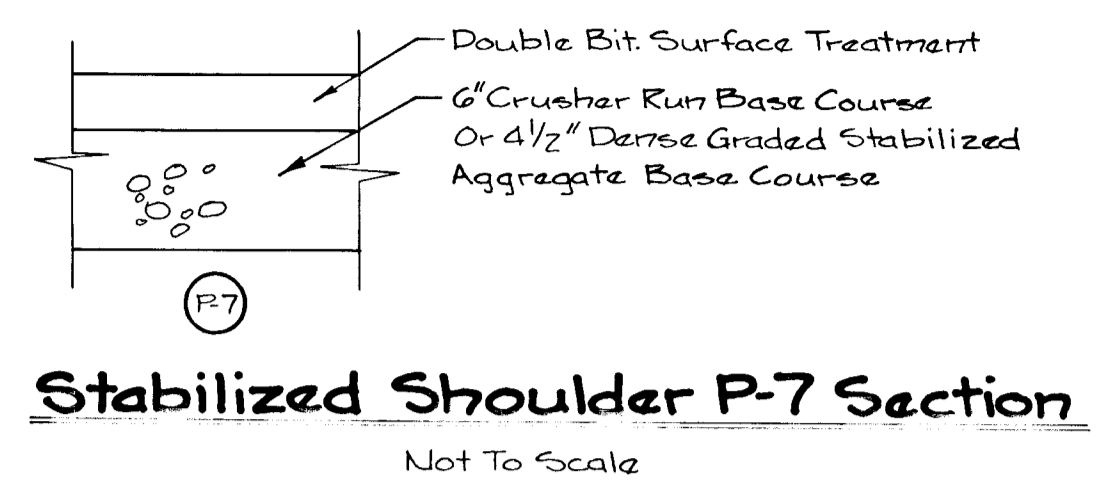
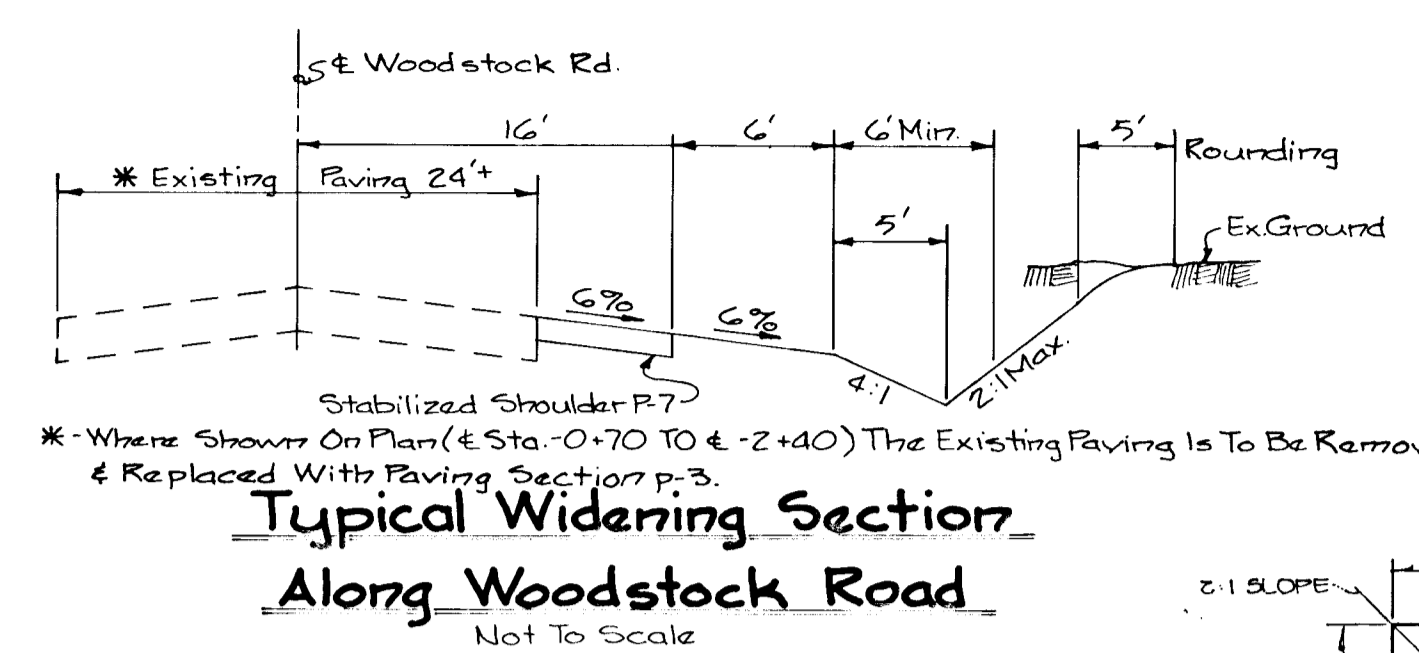
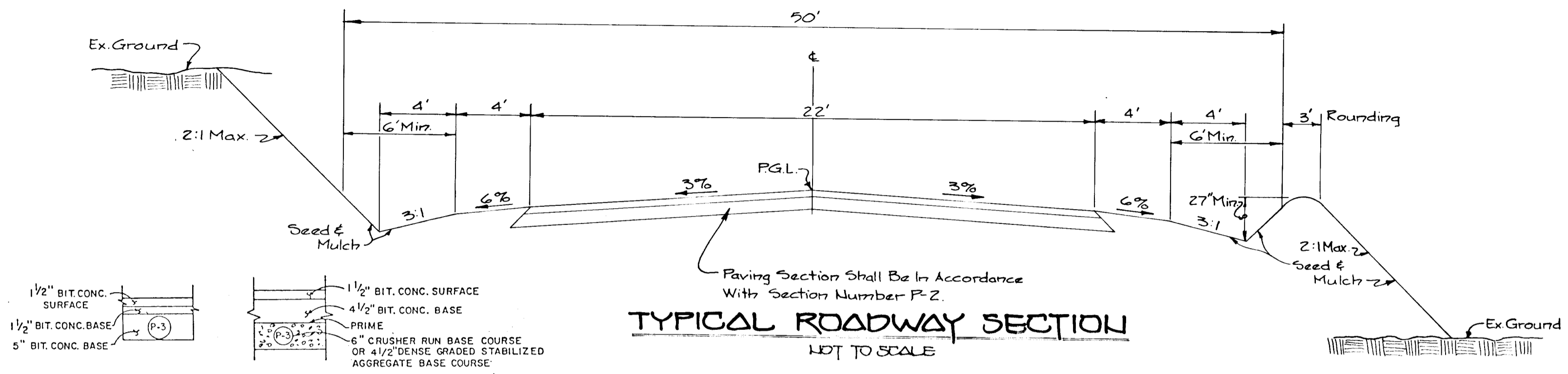
FISHER, COLLINS AND CARTER, INC.
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND 21043

OWNER
 MR. VINCENT BRACCIALE
 1830 WOODSTOCK ROAD
 WOODSTOCK, MARYLAND 21153

DEVELOPER
 LAND DESIGN AND DEVELOPMENT
 2307 MAIN STREET
 ELLICOTT CITY, MARYLAND 21043

Limit 4 Sta. 0+00 TO 4 STA. 17+2877
Bracciale Court
 Classification: CUL-DE-SAC Zoned: R Design Speed: 30 mph

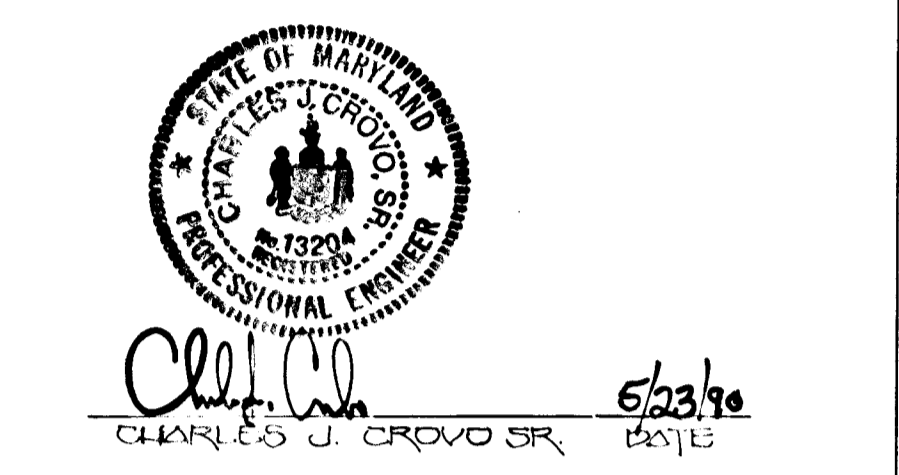
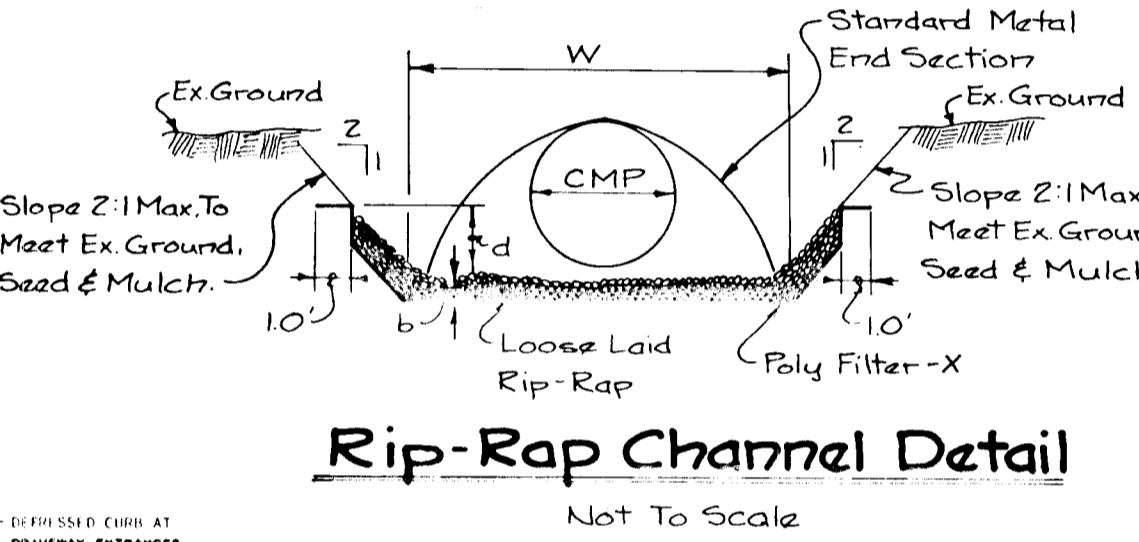
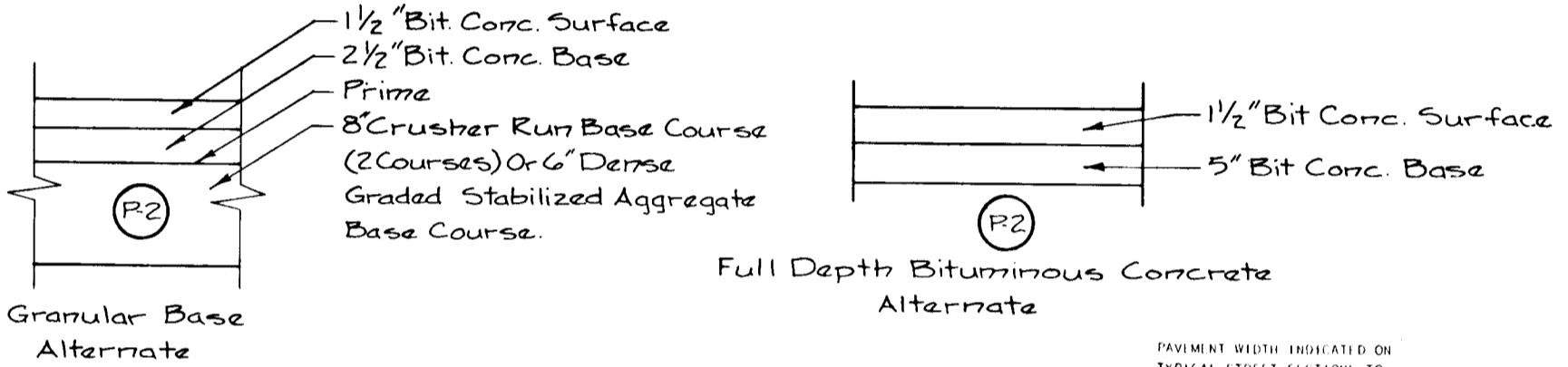
Type Of Trafficway: Minor Collector Zoned: R (Rural) Design Speed: 35 mph



APPROVED DEPARTMENT OF PUBLIC WORKS
Charles J. Crovo 6/20/90
 CHIEF, BUREAU OF HIGHWAYS

APPROVED DEPARTMENT OF PUBLIC WORKS
Elizabeth W. Weiland 6/21/90
 CHIEF, BUREAU OF ENGINEERING

APPROVED DEPT. OF PLANNING AND ZONING
Frank J. Langley 6/28/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT



BRACCIALE PROPERTY
 LOTS 1, 2, 3, 4
 A RESUBDIVISION OF LOTS 1, 2, 3, 4
 THIRD ELECTION DISTRICT, LEWIS AND CLARK COUNTY, MARYLAND
 TAX MAP: 10 GRIDS 17, 18, 23, 24 PARCEL: 55

NEW HAMPTON LAKE
 PLAN AND PROFILE

DETAIL SHEET

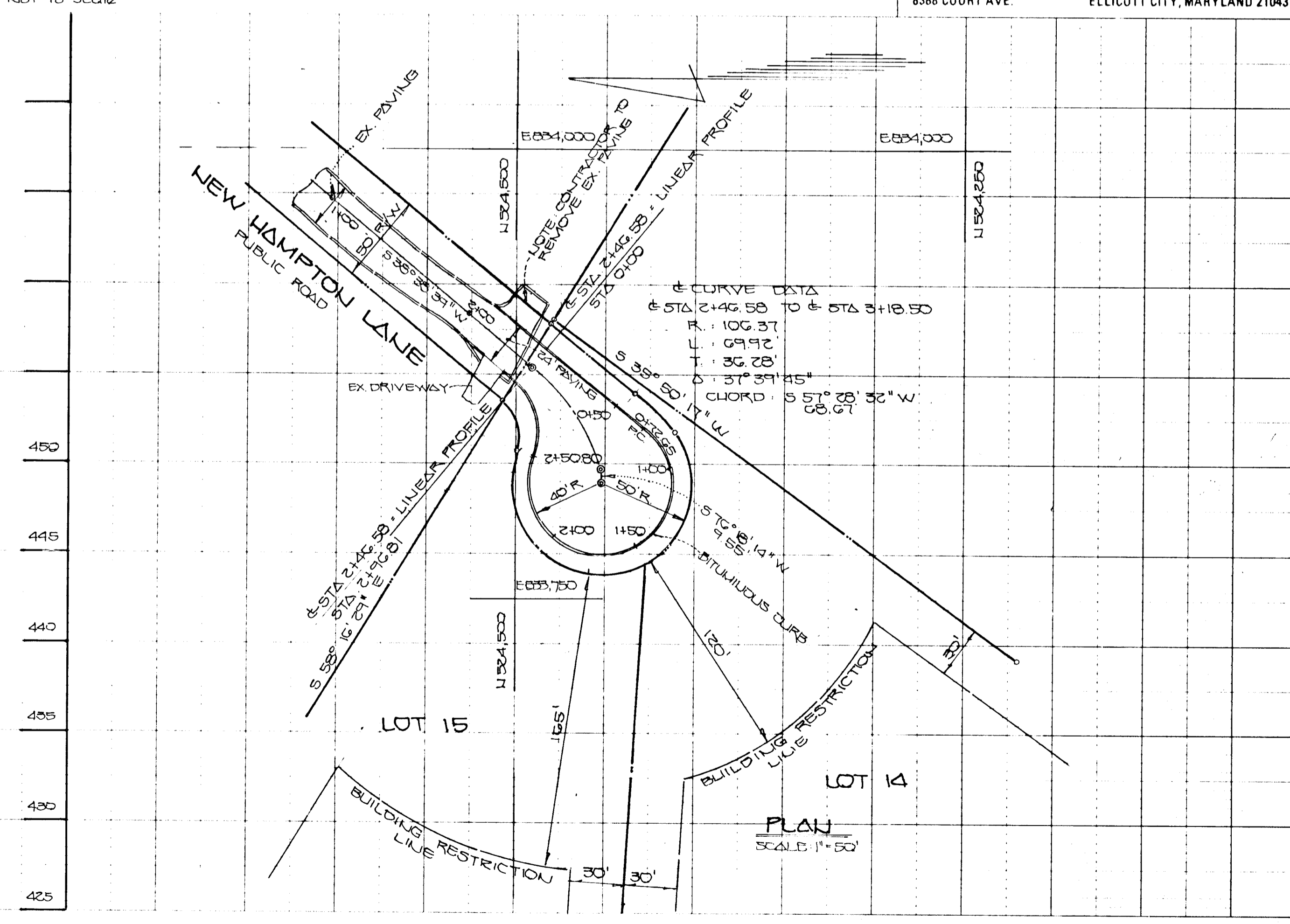
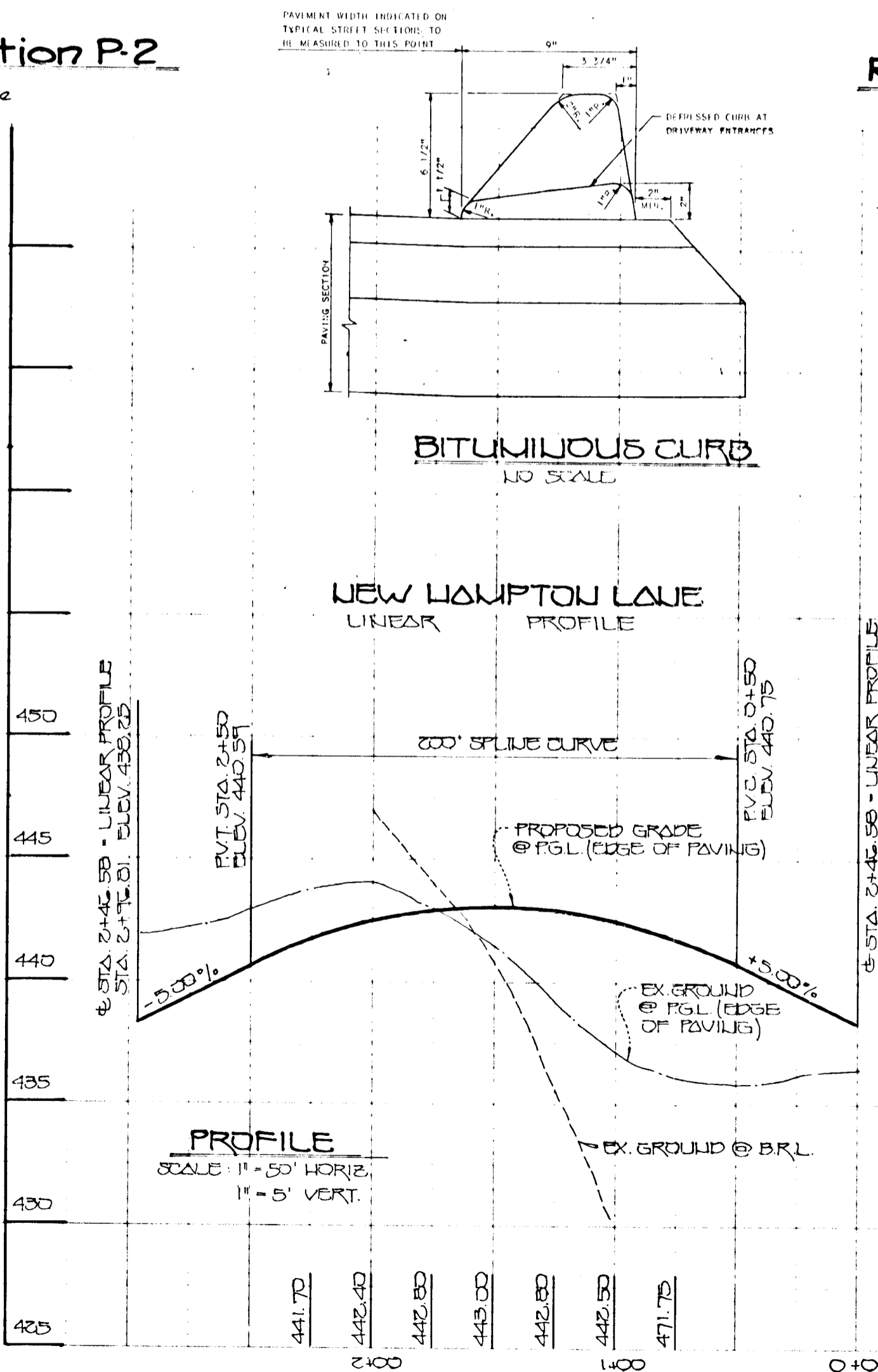
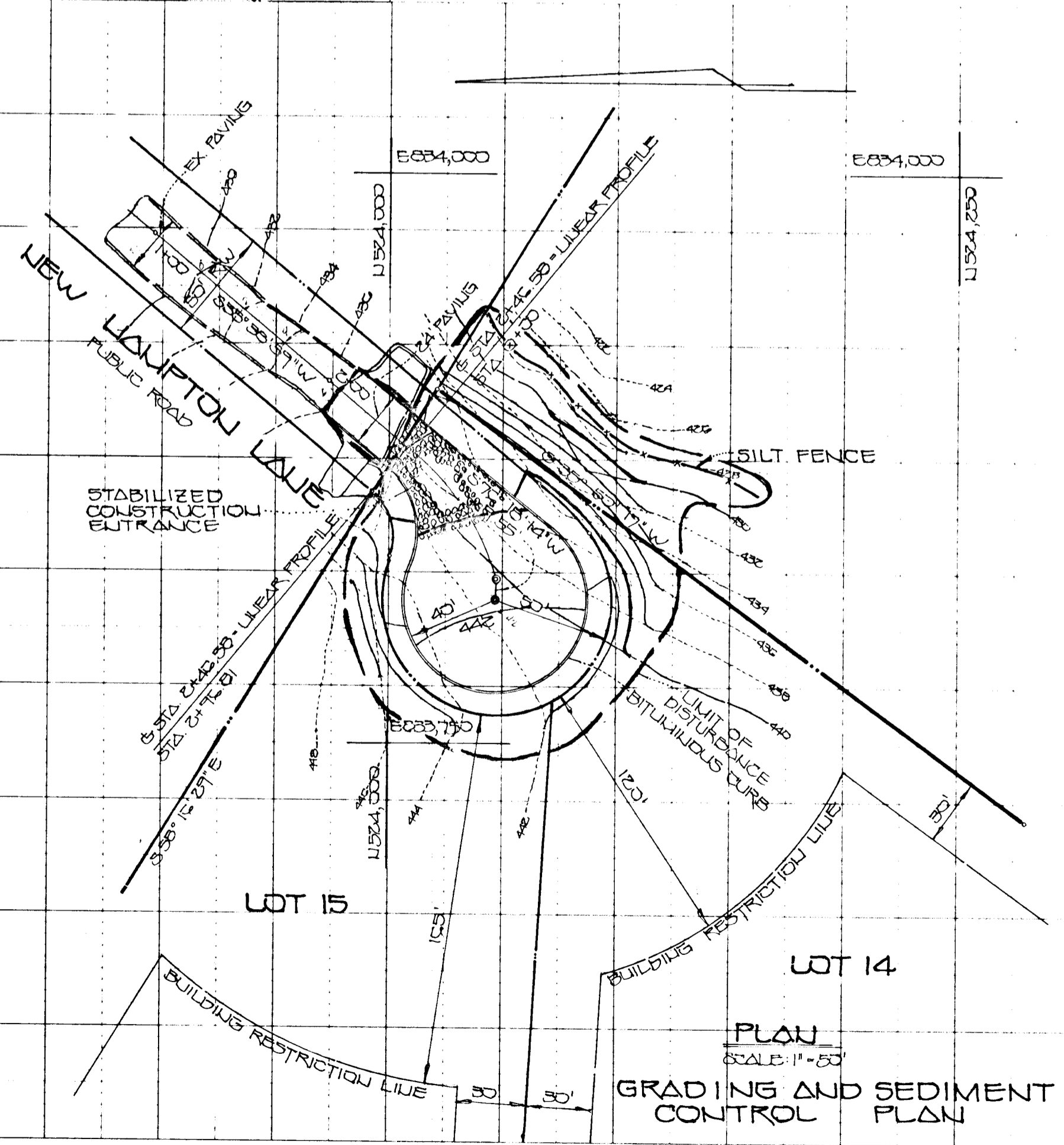
OWNER: MR. VINCENT BRACCIALE
DEVELOPER: BRACCIALE LAND DESIGN & DEVELOPMENT
 2877 WALKER STREET, ELICOTT CITY, MARYLAND 21043

SCALE: AS SHOWN DATE: SEPT. 22, 1990 DWG. NO. G OF 7
 DESIGNED BY: FRANK DRN. DRAWN BY: SALAS CHK. BY: C. J. CROVO

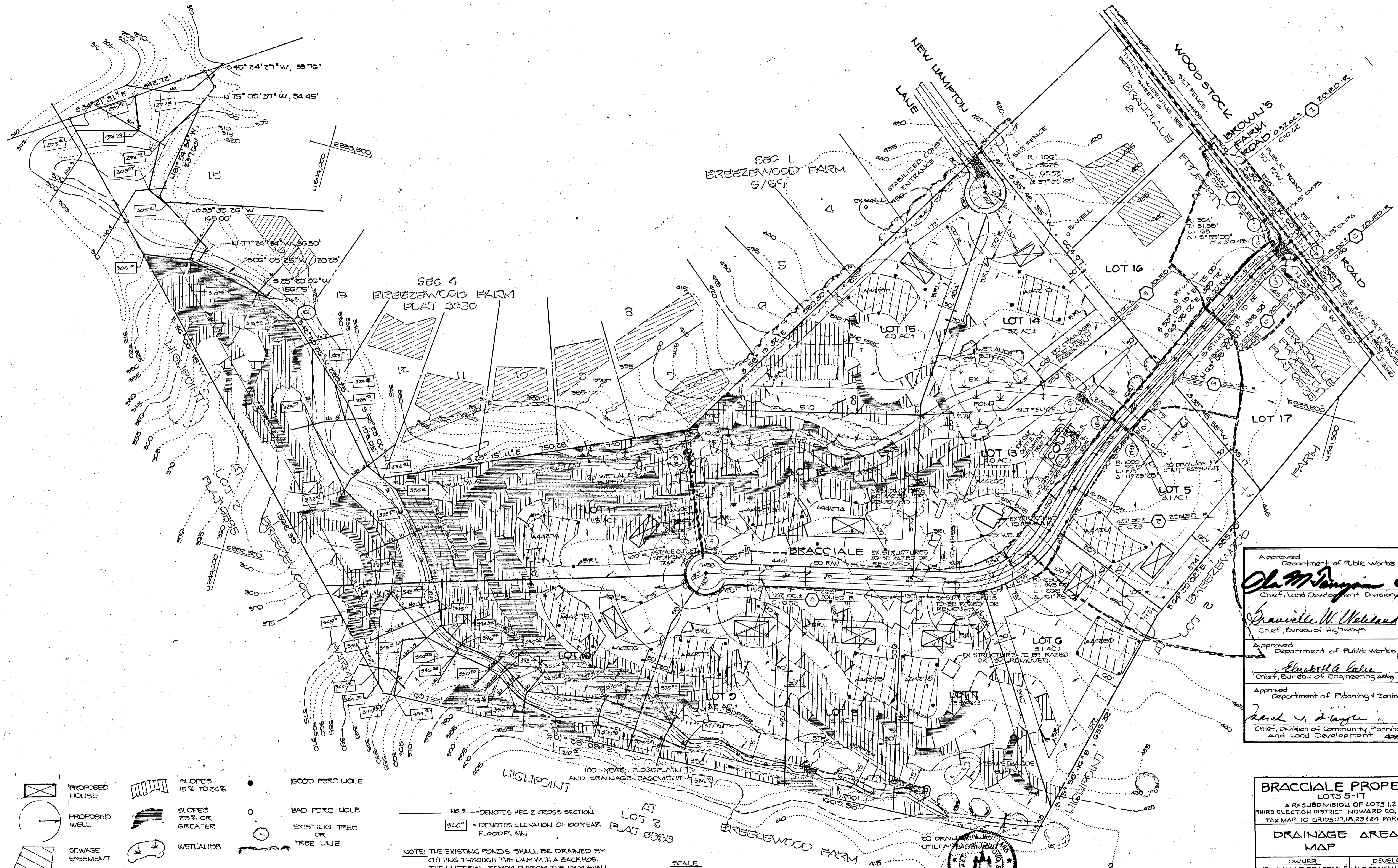
FISHER, COLLINS AND CARTER, INC.
 CIVIL ENGINEERS AND LAND SURVEYORS
 8388 COURT AVE. ELICOTT CITY, MARYLAND 21043

DATE	
BY	
PLAN	
NO.	
NO.	
NO.	
NO.	

DATE	
BY	
PROFILE	
NO.	
NO.	
NO.	
NO.	



1178



Approved
 Department of Public Works
Olga M. Danyan 6/16/70
 Chief, Land Development Division Date

Approved
 Department of Highways
Granville W. Williams 6/17/70
 Chief, Bureau of Highways Date

Approved
 Department of Public Works
Elizabeth A. Laska 6/17/70
 Chief, Bureau of Engineering Date

Approved
 Department of Planning & Zoning
Harold J. Lange 6/17/70
 Chief, Division of Community Planning Date
 And Land Development am

BRACCIALE PROPERTY
 LOTS 5-17
 A RESUBDIVISION OF LOTS 1, 2 & 4
 THIRD ELECTION DISTRICT HOWARD CO., MARYLAND
 TAX MAP: 10 GRIDS: 17, 18, 23 & 24 PARCEL: 3G

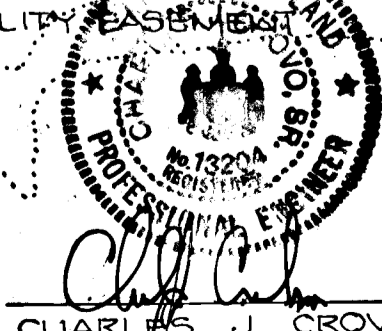
DRAINAGE AREA
MAP

OWNER MR. VINCENT BRACCIALE 1830 WOODSTOCK ROAD WOODSTOCK, MARYLAND 21163	DEVELOPER LAND DESIGN & DEVELOPMENT 1830 MAIN STREET ELLCOTT CITY, MARYLAND 21043
SCALE: AS SHOWN	DATE: SEPT. 22, 1969
DES: W.K. FRALIC	DRN: A.W. SALAS CHK: C.J. GROVO, SR.

FISHER, COLLINS AND CARTER
 CONSULTING ENGINEERS AND LAND SURVEYORS
 8388 COURT AVENUE
 ELLICOTT CITY, MARYLAND
 21043 TELEPHONE: 301-461-2855 FAX: 301-750-3784

NOTE: THE EXISTING PONDS SHALL BE DRAINED BY CUTTING THROUGH THE DAM WITH A BACKHOE. THE MATERIAL REMOVED FROM THE DAM SHALL BE PLACED UPLAND FROM THE POND AREA AND STABILIZED WITH SEED MULCH.

SCALE
 1" = 100'



5/23/70
 CHARLES J. GROVO SR. DATE

1178