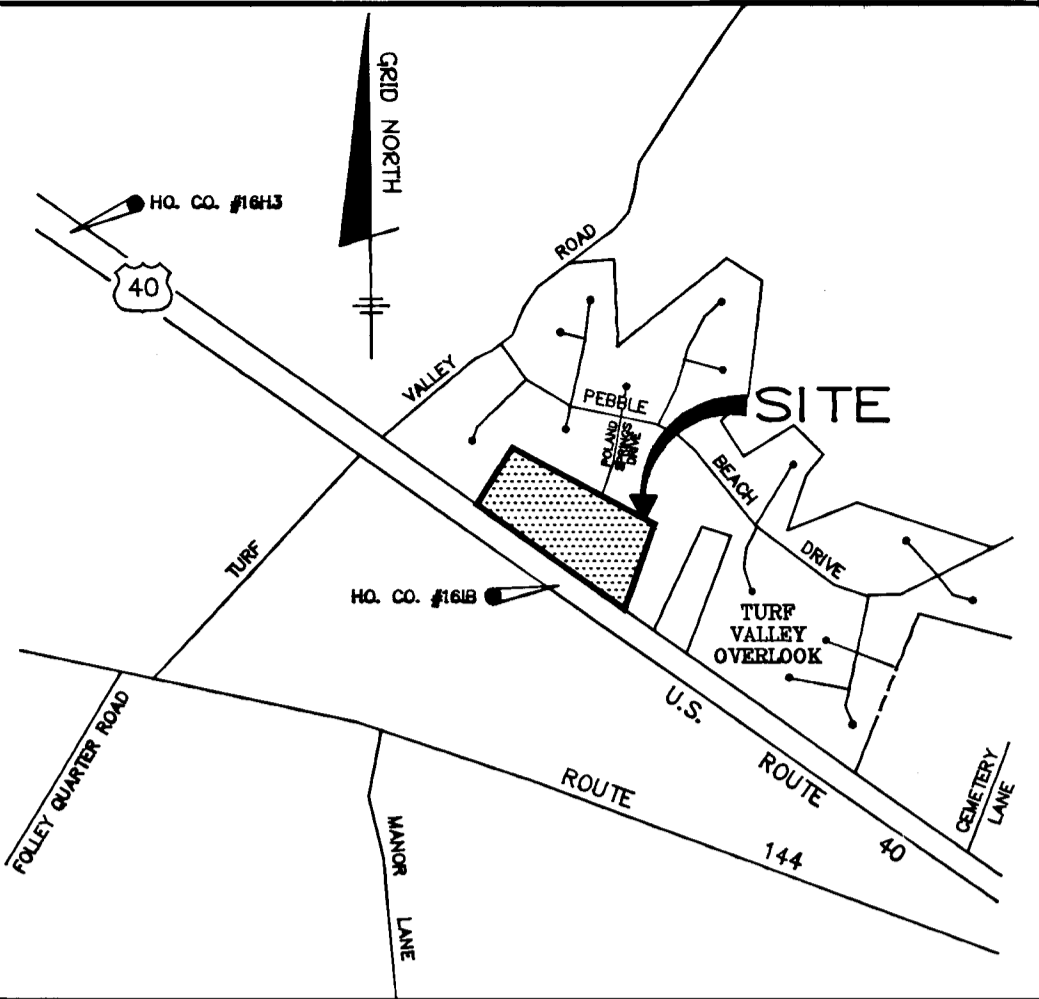


| CENTERLINE CURVE DATA | | | | | | |
|-----------------------|--------------------|---------|---------|---------|---------|----------------|
| ROAD | STATION | RADIUS | LENGTH | TANGENT | CHORD | BEARING |
| POLAND SPRINGS DRIVE | 6+57.63 to 6+73.15 | 125.00' | 215.52' | 145.80' | 189.80' | S 71°53' 11" W |
| | | | | | | 98°47'07" |

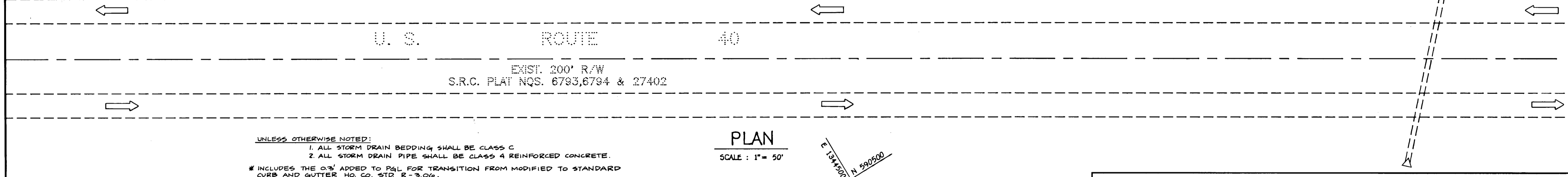
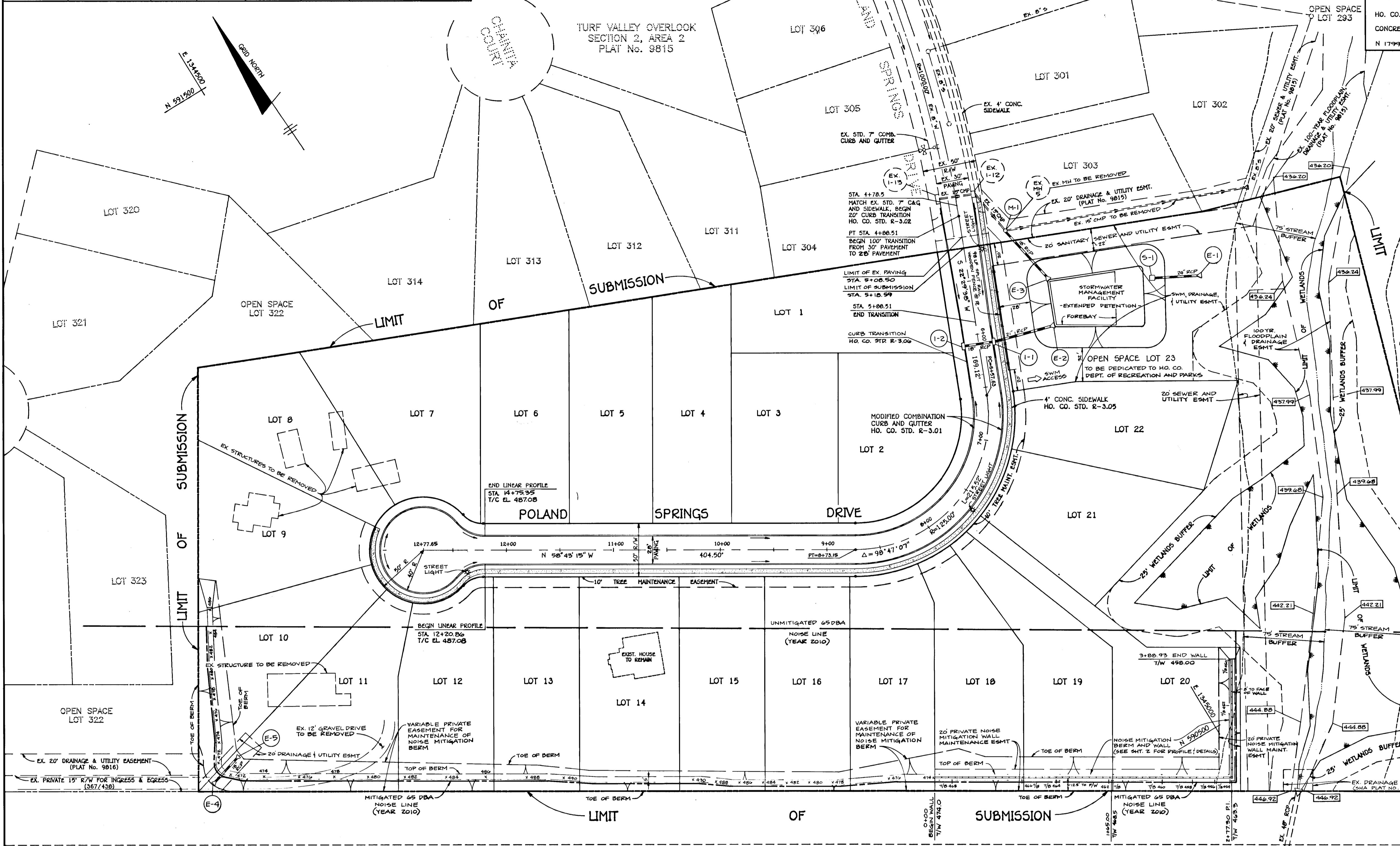
| BENCH MARKS (NAD 83) | |
|---|------------------------|
| HO. CO. #1613 | ELEV. 470.531 (NAD 83) |
| CONC. MON. @ SURF. 9'+- E. BOUND RT. 40 | |
| 20'+- W. OF C. CONC. CHANNEL EXTENDED | |
| 0.3 MILES E. OF HARRISVILLE RD. | |
| N 180544.3368 M. E 408897.9396 M. | |
| HO. CO. #1618 | ELEV. 470.53 (BY TSA) |
| CONCRETE MONUMENT | |
| N 179977.2310 M. E 409881.8316 M. | |



| CENTERLINE CONTROL DATA (NAD 83 FEET) | | | |
|---------------------------------------|---------------|-------------|--------------|
| ROAD | STATION | NORTH | EAST |
| POLAND SPRINGS DRIVE | P.T. 4+80.51 | 591051.9799 | 1345048.4977 |
| | LIMIT 5+18.99 | 591003.7809 | 1345031.9403 |
| | P.C. 6+57.63 | 590875.3201 | 1344978.7543 |
| | P.T. 8+73.15 | 590816.3121 | 1344798.3632 |
| | 12+77.65 | 591026.3314 | 1344452.6887 |

GENERAL NOTES

- All construction shall be in accordance with the latest standards and specifications of Howard County.
- 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 1-800-257-7777 at least 48 hours prior to any excavation work.
- Project Background: Location: Tax Map 16 - Parcels 212 & 376; Zoning: R-20; Section 1, Area 1; Total Tract Area: 12.70 Ac.; Section Area: 12.70 Ac.; Number of Proposed Lots: 23; Date Preliminary Plan Approved: January 6, 1993; DPZ Reference #: P-93-08
- Traffic control devices, markings, and signing shall be in accordance with the 1988 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.
- Topography taken from field run survey by TSA Group, Inc. dated 8/92. Contour interval is 2 feet.
- Howard County monuments 1613 and 1618 used for horizontal and vertical datum (Nad 83).
- Light poles and fixtures for street lights shall be in accordance with latest Howard County Design Manual, Volume II, Roads and Bridges.
- Water and Sewer for this subdivision is public. Drainage area is Little Patuxent. Contract No. 24-3200-12
- Stormwater Management for this subdivision is extended detention.
- Existing utilities were located by record drawings and field run survey by TSA Group, Inc. dated 8/92.
- Floodplain Study compiled by TSA Group, Inc. 7/92.
- Wetlands Delineation Study compiled by M.A. Dircks & Co., Inc. 7/92. Approved 1/6/93.
- Noise Study compiled by TSA Group, Inc. 12/92. Approved 1/6/93.
- Geotechnical Report compiled by Atac Assoc., Inc. 7/92. Approved 1/6/93.
- NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN WETLANDS AND STREAM BUFFERS OR FOREST CONSERVATION AREAS, EXCEPT AS ALLOWED BY NP-92-96, APPROVED ON 5/14/93 TO WAIVE SECTION 16.116 (b)(2) FOR THE DISTURBANCE ATTRIBUTABLE TO THE INSTALLATION OF THE NOISE BERM & WALL.



| SHEET INDEX | |
|-------------|---|
| No. | DESCRIPTION |
| 1 | ROAD PLAN |
| 2 | ROAD PROFILE AND DETAILS |
| 3 | DRAINAGE AREA MAP, STORM DRAIN PROFILES AND DETAILS |
| 4 | GRADING PLAN |
| 5 | SWM DETAILS |
| 6 | SEDIMENT CONTROL PLAN |
| 7 | SWM NOTES AND SEDIMENT CONTROL DETAILS |
| 8 | LANDSCAPE PLAN |

| STRUCTURE SCHEDULE | | | | | | |
|--------------------|--------------------------|---|---------|----------|-----------|--------------|
| No. | TYPE | LOCATION | INV. IN | INV. OUT | TOP ELEV. | HO. CO. STD. |
| 1-1 | A-10 | 1452' LT. STA. 6108.33 POLAND SPRINGS DR. | 443.50 | 442.35 | 451.85 # | SD-4.02 |
| 1-2 | A-10 | 1452' RT. STA. 6108.33 POLAND SPRINGS DR. | | 444.85 | 451.85 # | SD-4.02 |
| E-1 | 24" CONCRETE END SECTION | N 590809.70 E 1349202.60 | | | 436.80 | SD-5.51 |
| E-2 | 24" CONCRETE END SECTION | 69.50' LT. STA. 6106.42 POLAND SPRINGS DRIVE | | | 437.93 | SD-5.51 |
| E-3 | 18" CONCRETE END SECTION | 69.50' LT. STA. 5+97.09 POLAND SPRINGS DRIVE | | | 437.94 | SD-5.51 |
| E-4 | 18" CONCRETE END SECTION | N 590942.84 E 1344173.93 | | | 464.25 | SD-5.51 |
| E-5 | 18" CONCRETE END SECTION | N 590950.40 E 1344200.99 | | | 465.00 | SD-5.51 |
| S-1 | SWM CONTROL STRUCTURE | N 590889.14 E 1345167.64 | | | 437.00 | 443.75 |
| M-1 | MANHOLE | N 590997.93 E 1345073.65 | 445.50 | 443.00 | 451.00 | G-3.12 |

| STREET LIGHT LEGEND | | | |
|----------------------|-----------|----------|---|
| ROAD | E STATION | OFFSET | TYPE |
| POLAND SPRINGS DRIVE | 5+20 | 16' LEFT | 100 WATT HIGH PRESSURE SODIUM |
| | 7+60 | 16' LEFT | TRADITIONAL POST-TOP FIXTURES MOUNTED ON W/ BLACK FABRICATION POLES |
| | 12+36 | 19' LEFT | |

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Andrew M. Conner
CHIEF, BUREAU OF HIGHWAYS

Elizabeth Anderson Calca
CHIEF, BUREAU OF ENGINEERING M.K.

DATE: 8/19/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

Richard Blood
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT

DATE: 8/20/93

| NO. | DATE | REVISION |
|-----|------|----------|
| | | |

TSA GROUP, INC.
planning • architecture • engineering
8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 465-6108

OWNER/DEVELOPER: SDC GROUP, INC.
P.O. BOX 417
ELlicott CITY, MARYLAND 21043
(410) 465-4244

PROJECT: COLLEGE FARM
SECTION 1, AREA 1
LOTS 1-23

LOCATION: TAX MAP 16 - PARCELS 212 & 376
2ND ELECTION DISTRICT
HOWARD COUNTY, MARYLAND

TITLE: ROAD PLAN

DATE: MARCH 29, 1993
JUNE 25, 1993

PROJECT NO. 0485

SCALE: AS SHOWN

DRAWING NO. OF 2

DE: JME/DRK DRN: DRK/DBT

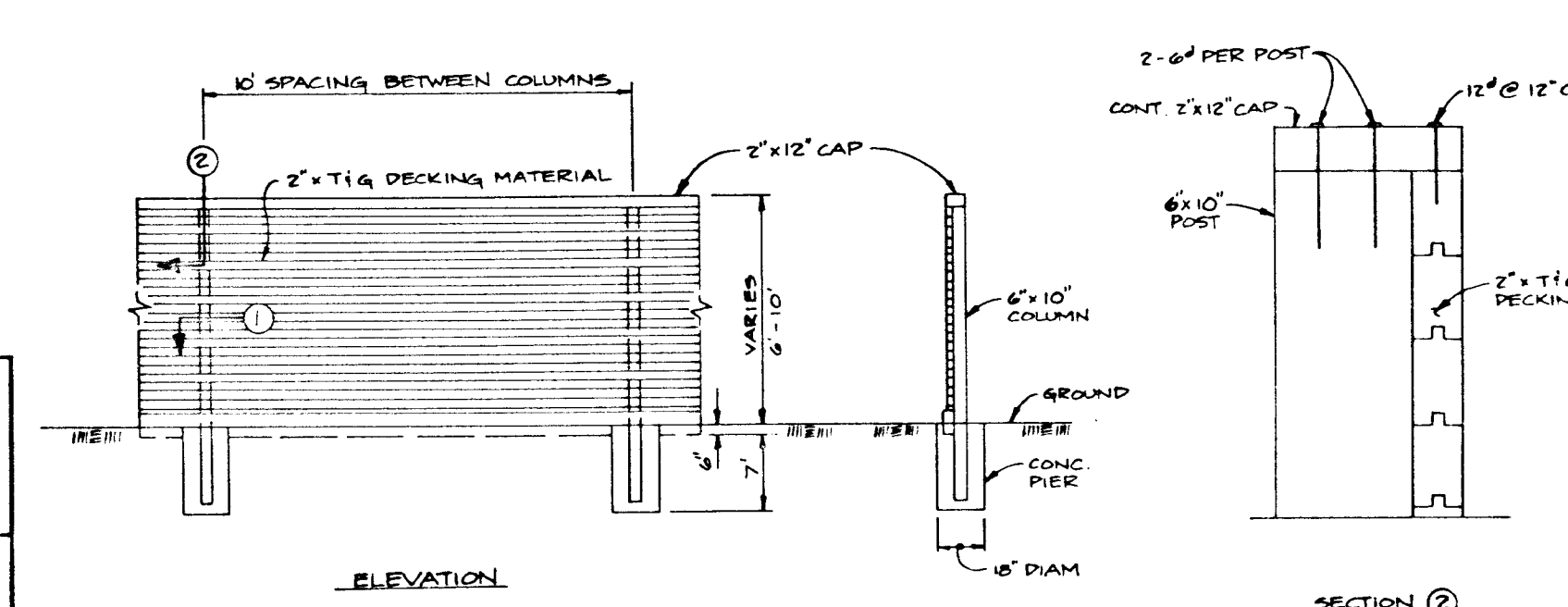
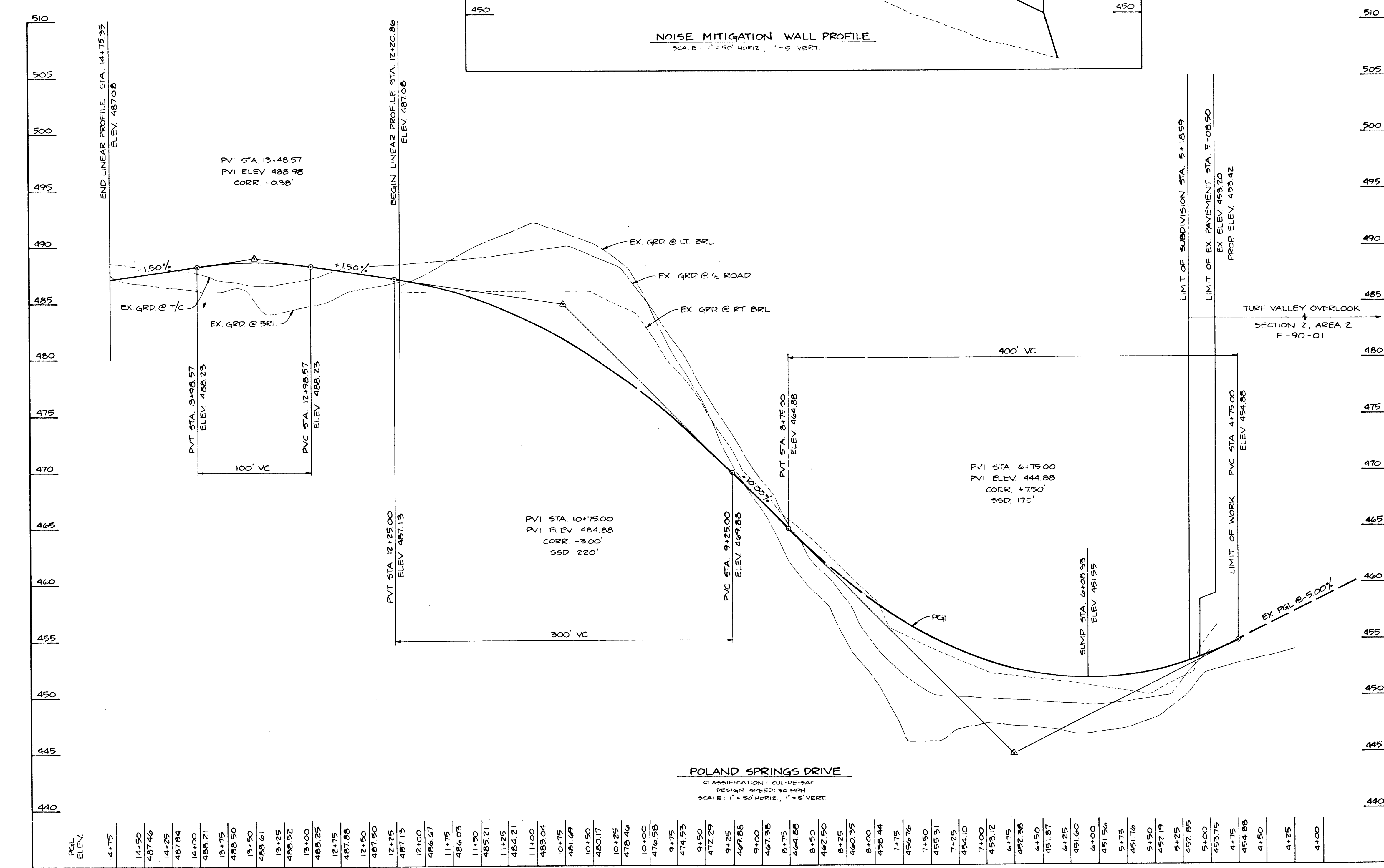
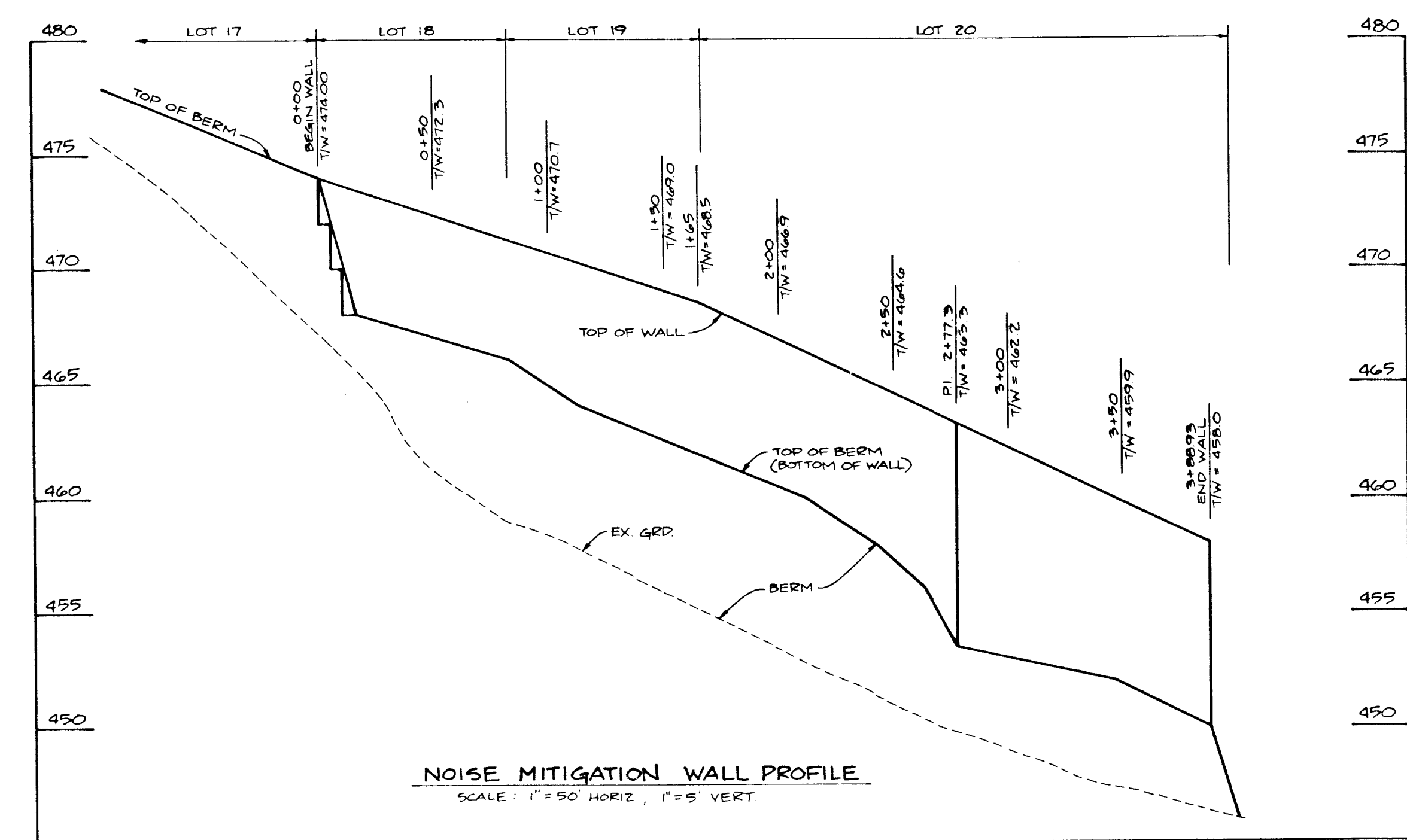
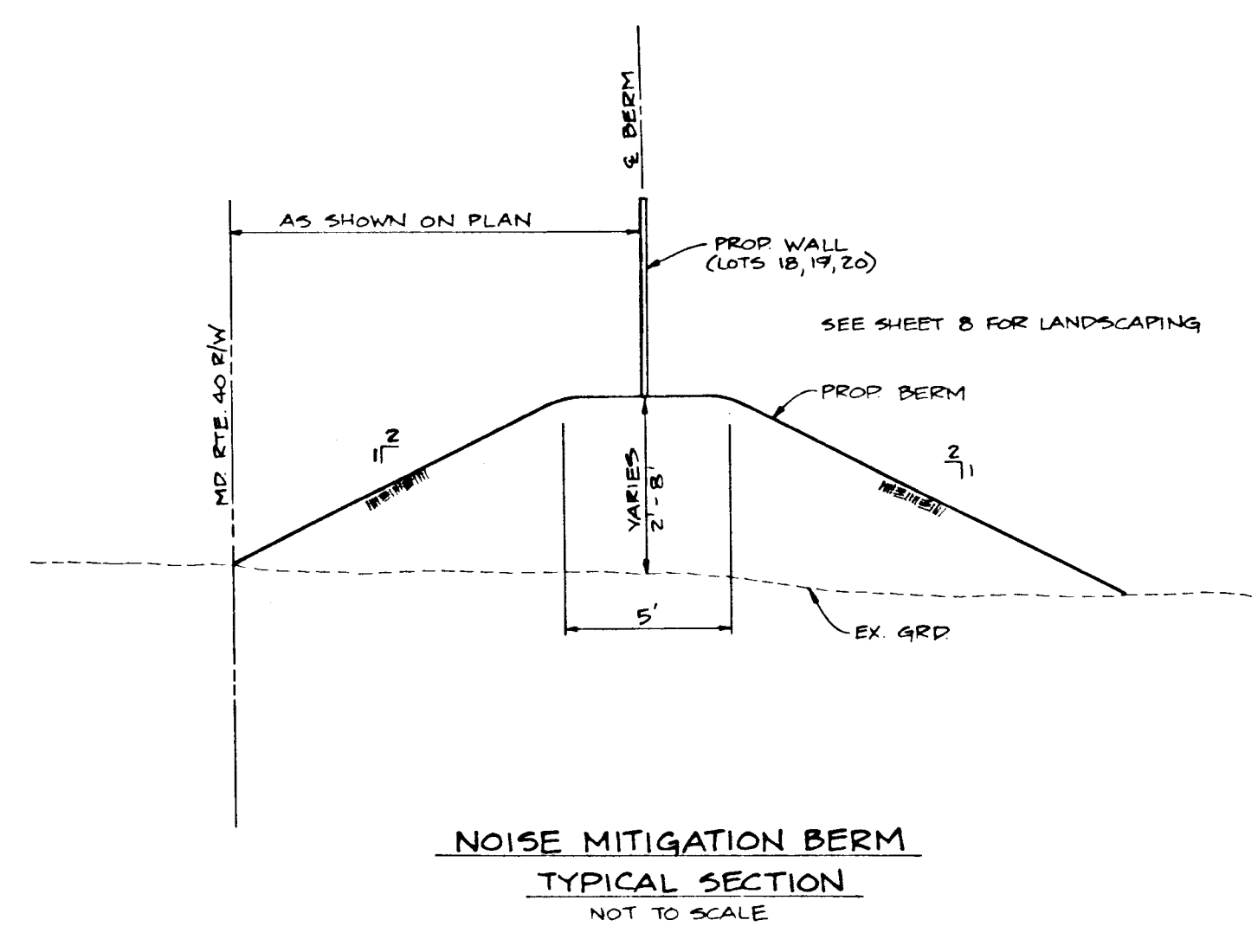
1668

Chad Williams
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE 8/17/93

Andrew M. Lane
 CHIEF, BUREAU OF HIGHWAYS
 DATE 7-20-93

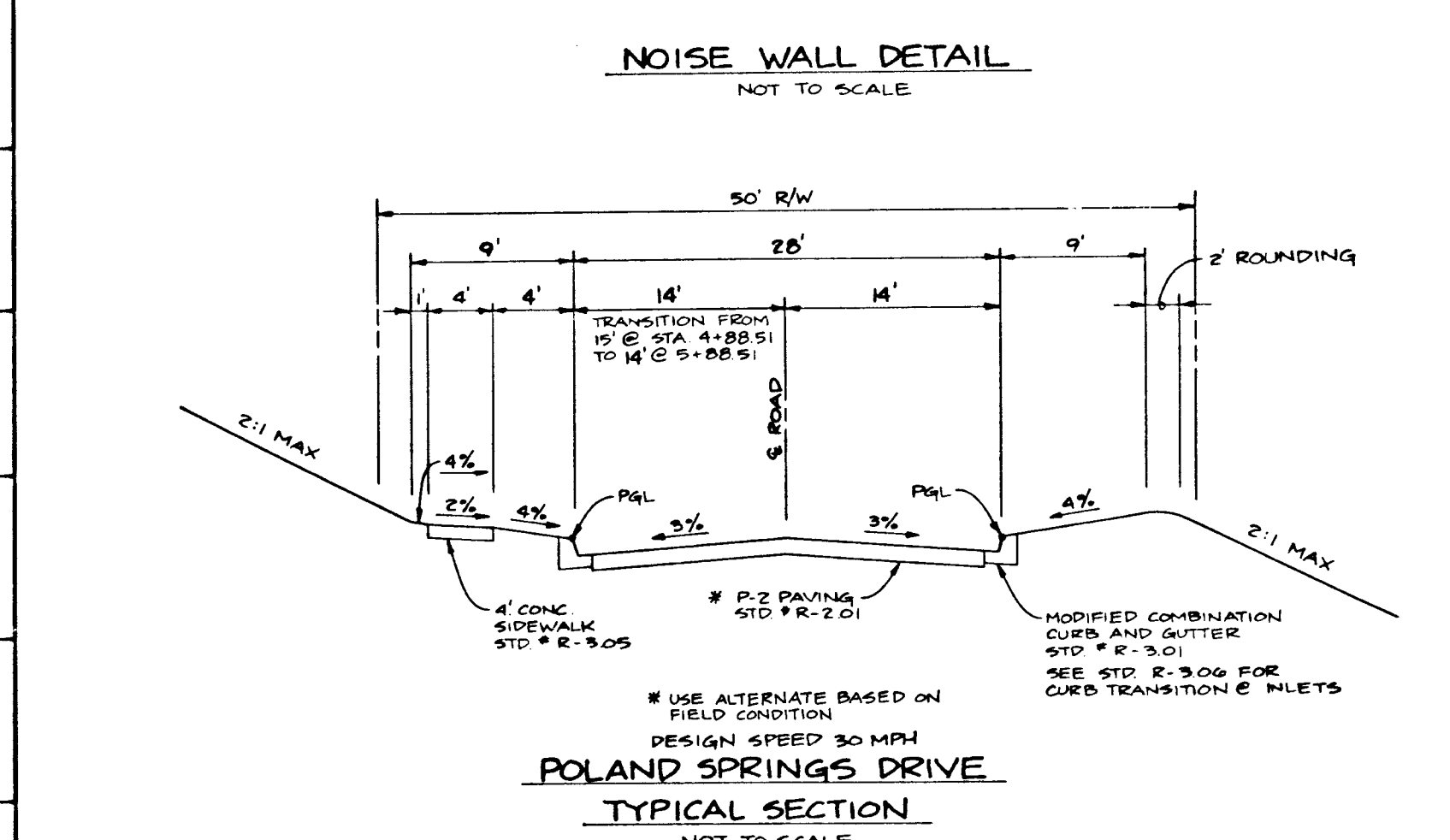
Elizabeth Anderson Palca
 CHIEF, BUREAU OF ENGINEERING M.K.
 DATE 8/19/93

Richard Blodgett
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE 8/22/93



NOTES

- Siding
 - Wood decking material shall be utilized to span horizontally between posts. Design criteria is based on an allowable bending stress of 1400 lbs. per sq. in. and a 33 1/3% increase in stress for wind loads is considered appropriate. Section shall be MC12.
 - Posts shall be in contact with the ground and for a distance of 4" above grade shall be treated with wood preservative.
 - Wood post shall be utilized at the spacing indicated on the schedule. Design criteria is based upon allowable bending stress of 1400 lbs. per sq. in. with a 33 1/3% increase for wind loading.
 - Posts embedded in concrete shall be treated with a wood preservative in the area of embedment and 12" above grade.
- Concrete
 - Concrete in the pier shall have a 28 day compressive strength of 2500 lbs. per sq. in.
 - Concrete shall be placed in drilled pier utilizing the method as the core.



| NO | DATE | REVISION |
|----|------|----------|
| | | |
| | | |

TSA GROUP, INC.
 planning • architecture • engineering
 8400 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 465-0100

OWNER/DEVELOPER: SDG GROUP, INC.
 P.O. BOX 417
 ELLICOTT CITY, MARYLAND 21043
 (410) 465-4244

PROJECT: COLLEGE FARM
 SECTION 1, AREA 1
 LOTS 1-23

LOCATION: TAX MAP 16 - PARCELS 212 & 376
 2ND ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: ROAD PROFILE AND DETAILS

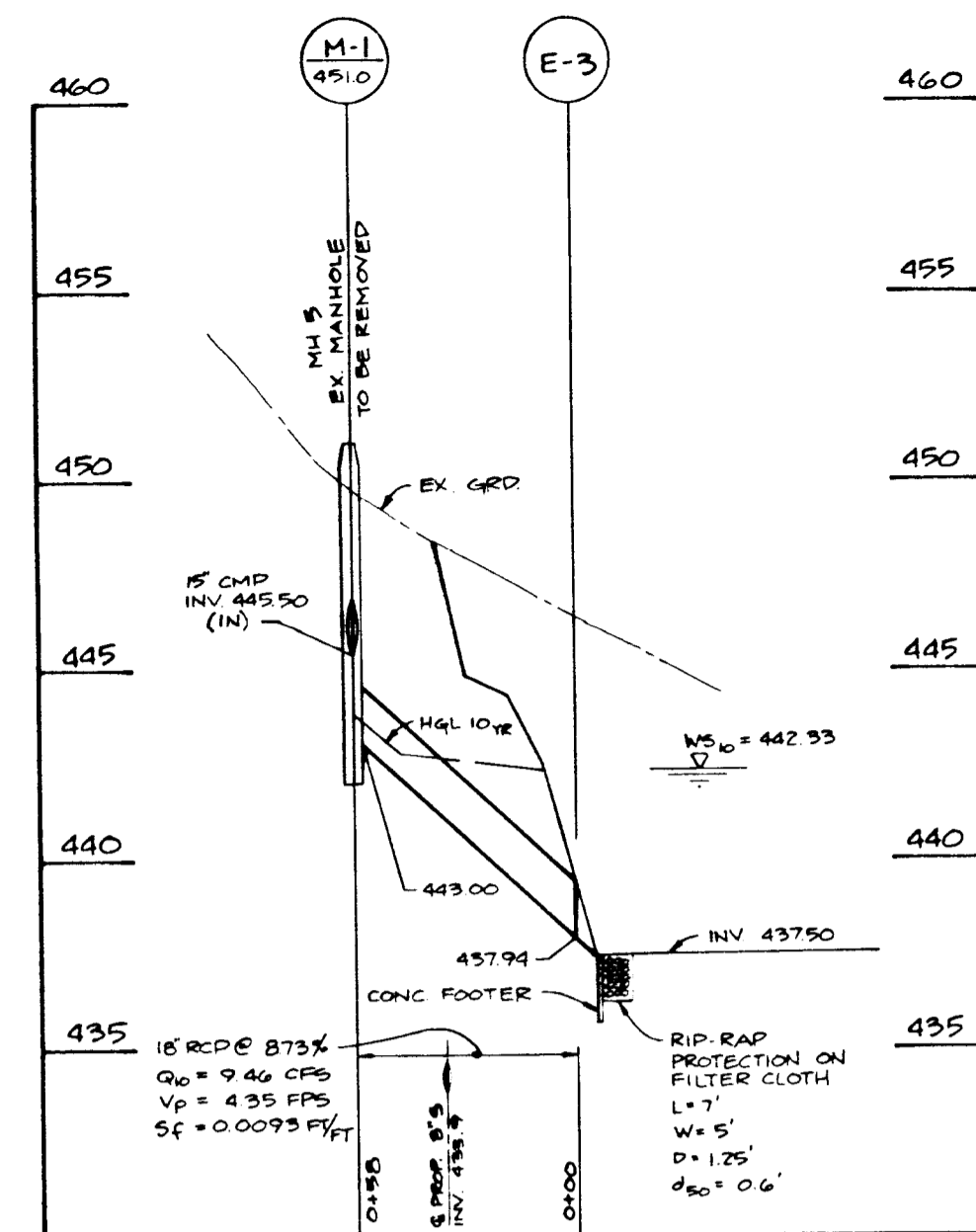
DATE: MARCH 29, 1993
 JUNE 25, 1993

SCALE: AS SHOWN

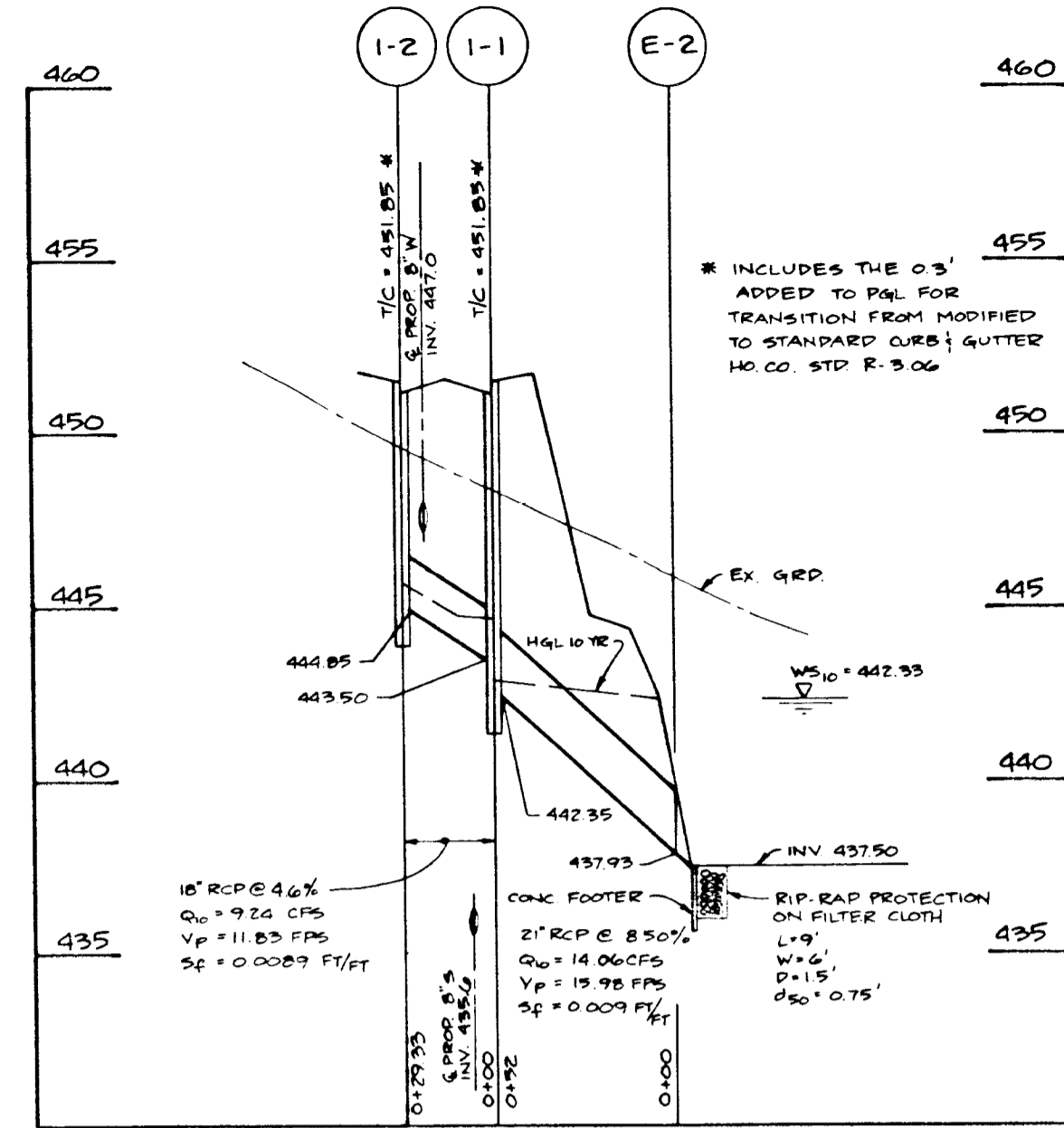
DES: JME DRN: DBT

PROJECT NO. 0405
 DRAWING NO. 2 OF 2

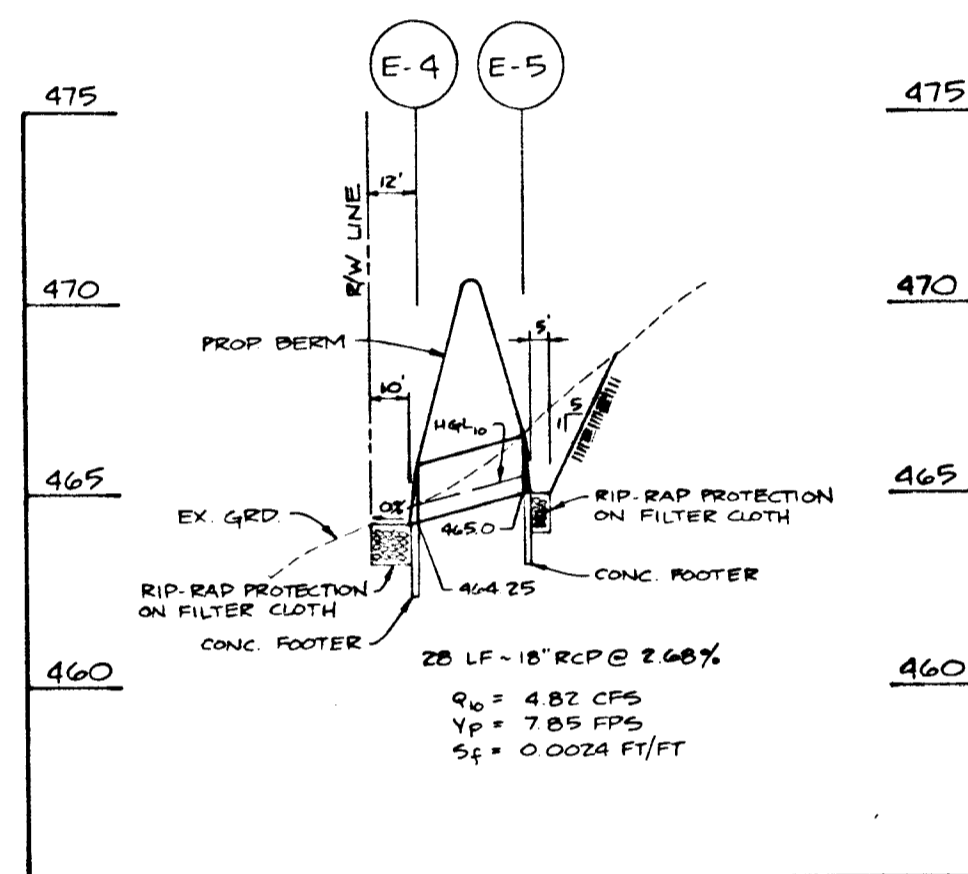
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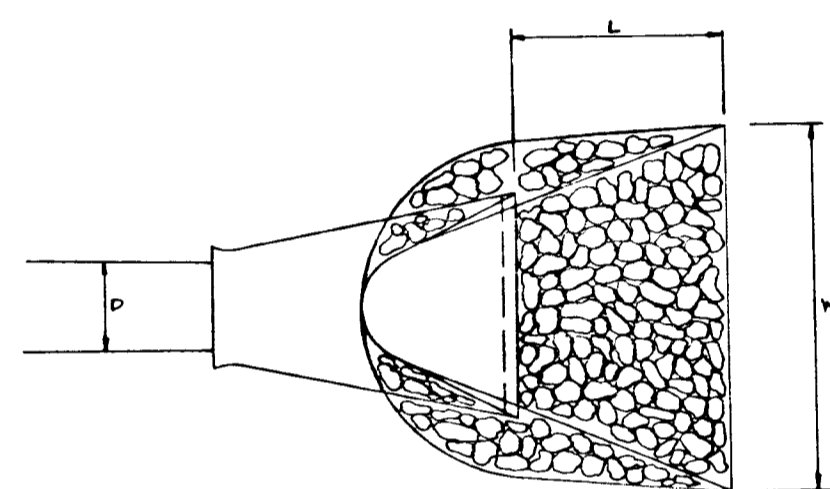
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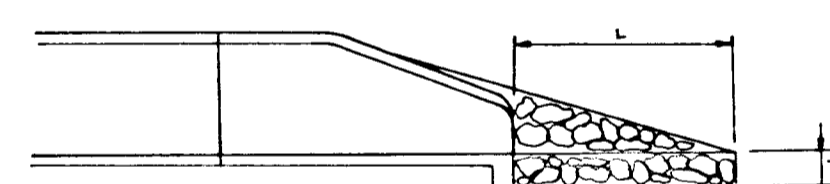
SCALE: 1" = 50' HORIZ., 1" = 5' VERT.



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



PLAN



ELEVATION

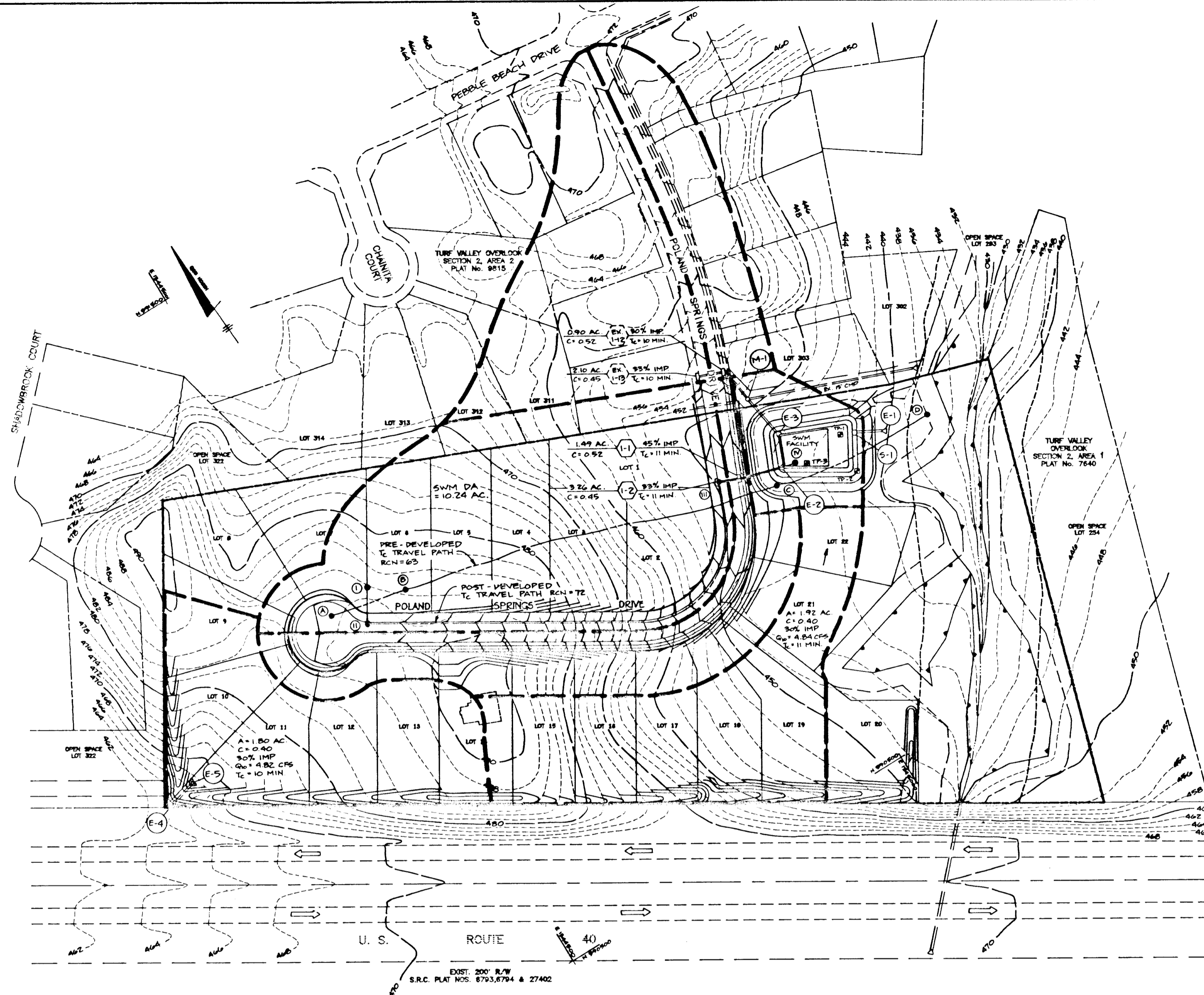
| STRUCTURE | d-50 | LENGTH | WIDTH | THICKNESS |
|-----------|-------|--------|-------|-----------|
| E-1 | 0.50' | 15' | 15' | 1.0' |
| E-2 | 0.75' | 9' | 6' | 1.5' |
| E-3 | 0.60' | 7' | 5' | 1.25' |
| E-4 | 0.50' | 10' | 11.5' | 1.0' |
| E-5 | 0.50' | 5' | 6.5' | 1.0' |

OUTLET PROTECTION DETAIL
NOT TO SCALE

| ATEC Associates GEOTECHNICAL AND MATERIALS ENGINEERS | | RECORD OF SUBSURFACE EXPLORATION | | |
|---|---------|-------------------------------------|---|---|
| PROJECT: College Farm/ SM | | NO. TP-1 | | |
| CLIENT: TSA Group, Inc. | | JOB NO. 30-03-92-0011 | | |
| LOCATION: Howard County, MD | | DATE: 7-28-92 | | |
| INSPECTOR: E. Saba | | ELEVATION | | |
| DEPTH (FEET) | SAMPLES | DESCRIPTION OF MATERIALS | REMARKS | |
| 1 | 1 | 1.0 | Dark brown, moist, Silty CLAY (CL) | Topsoil: 6" |
| 2 | 2 | 2.0 | Sandy Clay Loam | |
| 3 | | | Light brown, light grey to orange brown, moist, Silty and Sandy CLAY (CL) | |
| 4 | 3 | 4.0 | Sandy Clay Loam | |
| 5 | | | | |
| 6 | 4 | 6.0 | Grey, moist, Silty and Sandy CLAY (CL), trace mica/Sandy Clay Loam | In-Situ Infiltration Test @ 6.5 ft Below Ground Surface |
| 7 | 5 | 6.5 | Orange and orange-brown, moist to very moist, micaceous Sandy SILT (M.S-SM), trace Clay | |
| 8 | | | | * taken from bottom of test hole |
| 9 | | | | water at 9 ft |
| 10 | 6 | 10.0 | Sandy Loam | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| | | | | Terminated @ 10 ft |

| ATEC Associates GEOTECHNICAL AND MATERIALS ENGINEERS | | RECORD OF SUBSURFACE EXPLORATION | | |
|---|---------|-------------------------------------|--|---|
| PROJECT: College Farm/ SM | | NO. TP-2 | | |
| CLIENT: TSA Group, Inc. | | JOB NO. 30-03-92-0011 | | |
| LOCATION: Howard County, MD | | DATE: 7-28-92 | | |
| INSPECTOR: E. Saba | | ELEVATION | | |
| DEPTH (FEET) | SAMPLES | DESCRIPTION OF MATERIALS | REMARKS | |
| 1 | 1 | 1.5 | Dark brown and dark grey, moist, Silty and Sandy CLAY (CL) | Topsoil: 6" |
| 2 | | | Sandy Clay Loam | |
| 3 | 2 | 3.0 | Light brown and grey, moist, Silty and Sandy CLAY (CL), trace mica | |
| 4 | 3 | 4.0 | Sandy Clay Loam | |
| 5 | | | | |
| 6 | 4 | 5.5 | Olive grey, moist, Silty and Sandy CLAY (CL), trace mica | In-Situ Infiltration Test @ 5.5 ft Below Ground Surface |
| 7 | | | Sandy Loam/Sandy Clay Loam | Water at 7.5 ft |
| 8 | | | Multicolored, moist to very moist, micaceous Silty SAND (SM) | * taken from bottom of test hole |
| 9 | | | Sandy Loam | |
| 10 | 5 | 10.0 | Sandy Loam | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| | | | | Terminated @ 10 ft |

| ATEC Associates GEOTECHNICAL AND MATERIALS ENGINEERS | | RECORD OF SUBSURFACE EXPLORATION | | |
|---|---------|-------------------------------------|---|---|
| PROJECT: College Farm/ SM | | NO. TP-3 | | |
| CLIENT: TSA Group, Inc. | | JOB NO. 30-03-92-0011 | | |
| LOCATION: Howard County, MD | | DATE: 7-28-92 | | |
| INSPECTOR: E. Saba | | ELEVATION | | |
| DEPTH (FEET) | SAMPLES | DESCRIPTION OF MATERIALS | REMARKS | |
| 1 | 1 | 1.0 | Dark grey, moist, Silty CLAY (CL), little sand | Topsoil: 6" |
| 2 | | | Sandy Loam | |
| 3 | 2 | 3.0 | Brown to tan, moist, micaceous Sandy SILT (M.S), little Clay | |
| 4 | | | Sandy Loam | |
| 5 | 3 | 5.0 | Orange-brown to grey, moist, Silty CLAY (CL), trace to little mica and sand | |
| 6 | 4 | 6.0 | Sandy Clay Loam | In-Situ Infiltration Test @ 6 ft Below Ground Surface |
| 7 | | | | Water at 8 ft |
| 8 | | | | * taken from bottom of test hole |
| 9 | | | | |
| 10 | 5 | 10.0 | Orange-brown, moist, Silty SAND (SM), trace to little mica and Clay, Sandy Loam | |
| 11 | | | | |
| 12 | | | | |
| 13 | | | | |
| | | | | Terminated @ 10 ft |



PLAN

SCALE: 1" = 100'

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
John J. Saba
 CHIEF, LAND DEVELOPMENT DIVISION
 DATE: 8/17/93

Elizabeth Anderson Calcia
 CHIEF, BUREAU OF HIGHWAYS
 DATE: 7-30-93

Elizabeth Anderson Calcia
 CHIEF, BUREAU OF ENGINEERING M.K.
 DATE: 8/19/93

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Richard Blood
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT
 DATE: 8/29/93

| NO | DATE | REVISION |
|----|------|----------|
| | | |

TSA GROUP, INC.
 planning • architecture • engineering
 8480 Baltimore National Pike • Millcreek City, Maryland 21048 • (410) 480-4100

John J. Saba

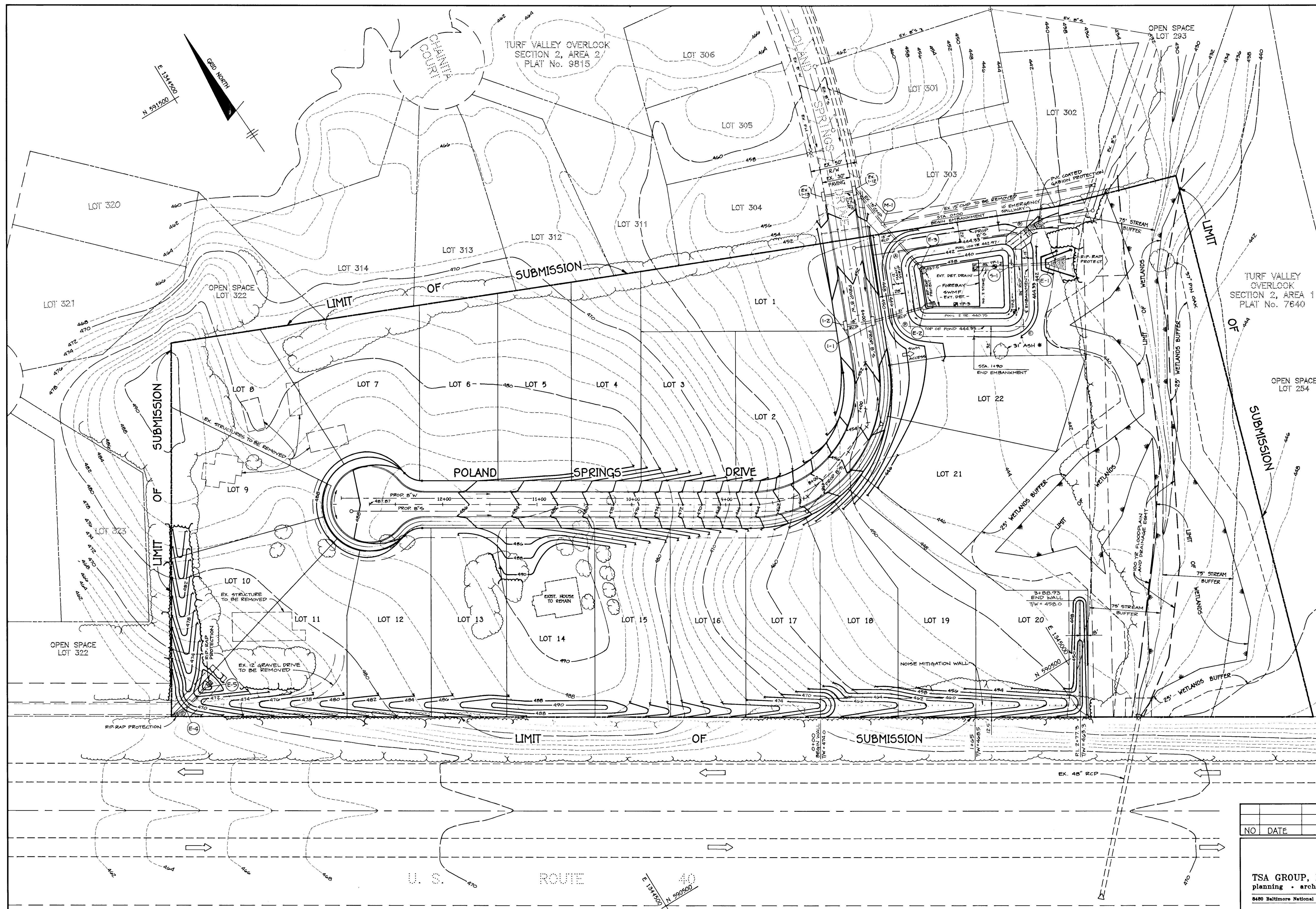
OWNER/DEVELOPER: COLLEGE FARM
 SECTION 1, AREA 1
 LOTS 1-23

LOCATION: TAX MAP 16 - PARCELS 212 & 376
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: DRAINAGE AREA MAP,
 STORM DRAIN PROFILES AND DETAILS

DATE: MARCH 29, 1993
 JUNE 25, 1993

DES: JME DRN: DRK/DBT SCALE: AS SHOWN PROJECT NO. 0405 DRAWING 2 OF 2



BY THE DEVELOPER:
 I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.
 James R. Moxley, Jr. 3-30-93
 DEVELOPER: JAMES R. MOXLEY, JR. DATE
 SDC GROUP, INC. - PRESIDENT

BY THE ENGINEER:
 I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION.
 John M. Florriaga, P.E. 3/29/93
 ENGINEER: JOHN M. FLORRIAGA, P.E. # 16891 DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
 James M. Hahn, P.E. 7/5/93
 U.S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
 Robert W. Zick, P.E. 7/5/93
 HOWARD S.C.D. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 Chief, Land Development Division 8/17/93
 Stephen M. Daveler 7-20-93
 CHIEF, BUREAU OF HIGHWAYS DATE
 Elizabeth Anderson Galia 8/13/93
 CHIEF, BUREAU OF ENGINEERING M.K. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
 Chief, Division of Community Planning and Land Development 8/20/93
 Richard Blood DATE

STORMWATER MANAGEMENT FACILITY CONTROL POINTS

| | |
|---------------|--------------|
| ① N 590923.18 | E 1345072.50 |
| ② N 590912.68 | E 1345193.46 |
| ③ N 590826.70 | E 1345146.65 |
| ④ N 590889.17 | E 1345041.85 |

* NOTE:
 LOWER BRANCHES SHALL BE TRIMMED TO MAINTAIN CLEAR ACCESS FOR MAINTENANCE OF SWM OUTFALL.

NOTE:
 NO CLEARING, GRADING, OR CONSTRUCTION IS PERMITTED WITHIN WETLAND AND STREAM BUFFERS OR FOREST CONSERVATION AREAS, EXCEPT AS ALLOWED BY WP-93-96 APPROVED ON 5-14-93 TO WAIVE SECTION 16.11G (1)(2) FOR THE DISTURBANCE ATTRIBUTABLE TO THE INSTALLATION OF THE NOISE BERM AND WALL.
 THE DISTURBED AREA IN LOT 302 AND 303 IS TO BE GRADED TO PREDISTURBED CONDITION AND SODDED.

LEGEND

| | |
|--|-------------------|
| | EXISTING CONTOURS |
| | PROPOSED CONTOURS |
| | EXISTING TREELINE |
| | PROPOSED TREELINE |

NOTE:
 SEE SHEET 7 FOR SEQUENCE OF CONSTRUCTION

| NO. | DATE | REVISION |
|-----|------|----------|
| | | |
| | | |

TSA GROUP, INC.
 planning • architecture • engineering
 8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 465-8108

OWNER/DEVELOPER:
 SDC GROUP, INC.
 P.O. BOX 417
 ELLICOTT CITY, MARYLAND 21043
 (410) 465-4244

PROJECT:
COLLEGE FARM
 SECTION 1, AREA 1
 LOTS 1-23

LOCATION:
 TAX MAP 16 - PARCELS 212 & 376
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

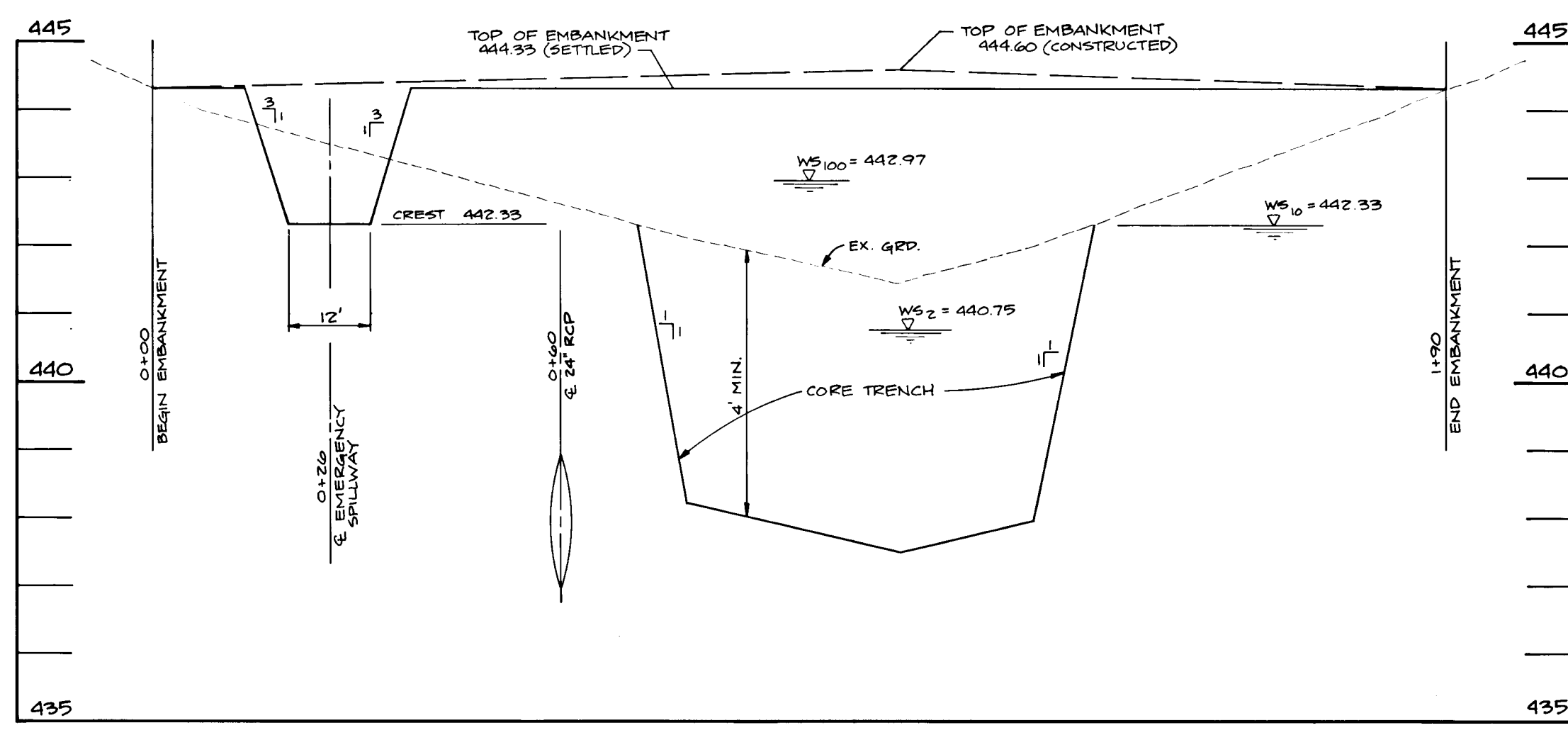
TITLE:
GRADING PLAN
 S-89-5 P.93-06 WP-93-96

DATE:
 MARCH 29, 1993
 JUNE 25, 1993

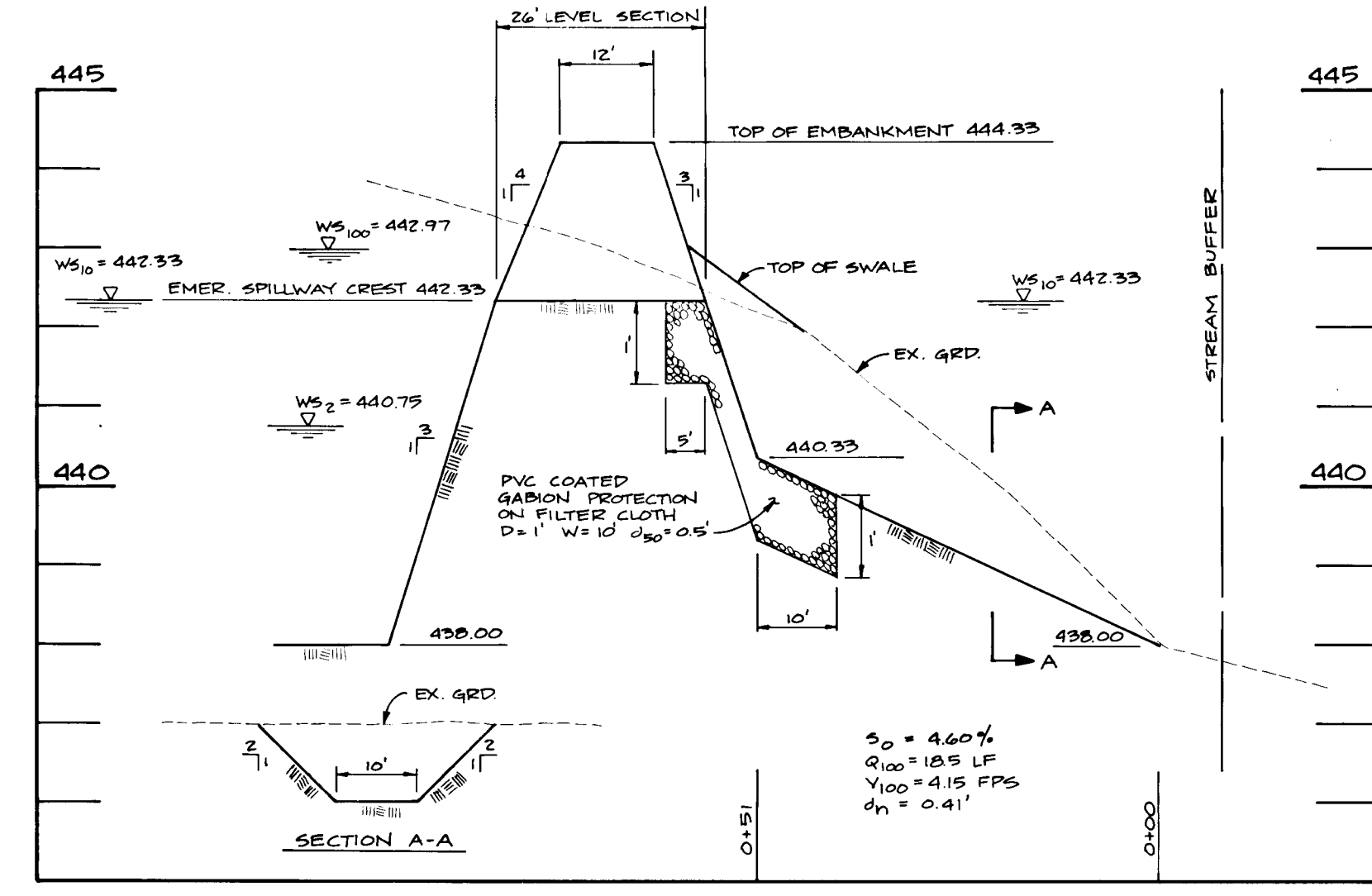
PROJECT NO. 0485

DE: JME DRN: DRK/DBT SCALE: 1" = 50' DRAWING 4 OF 8

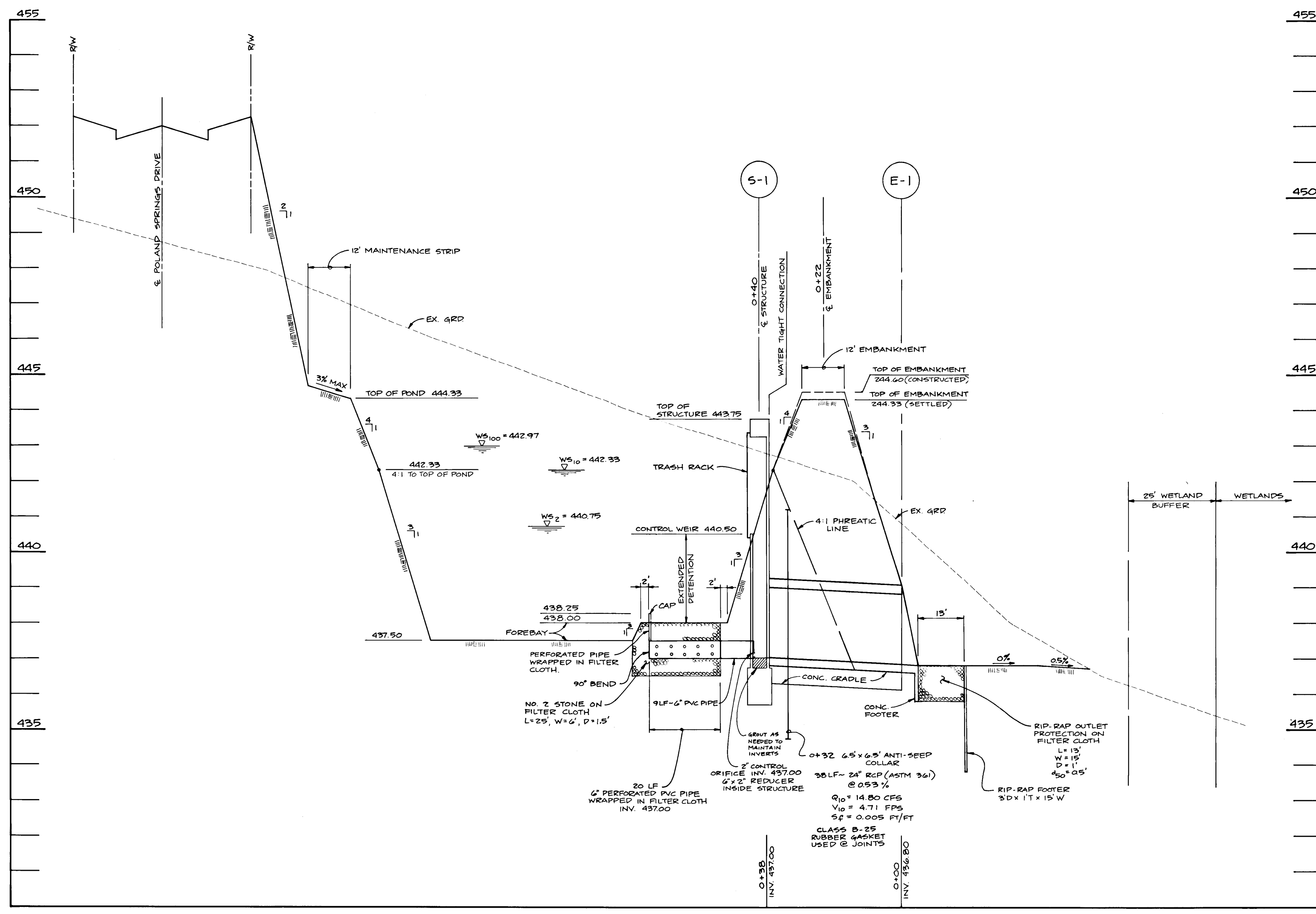
89791



EM BANKMENT PROFILE
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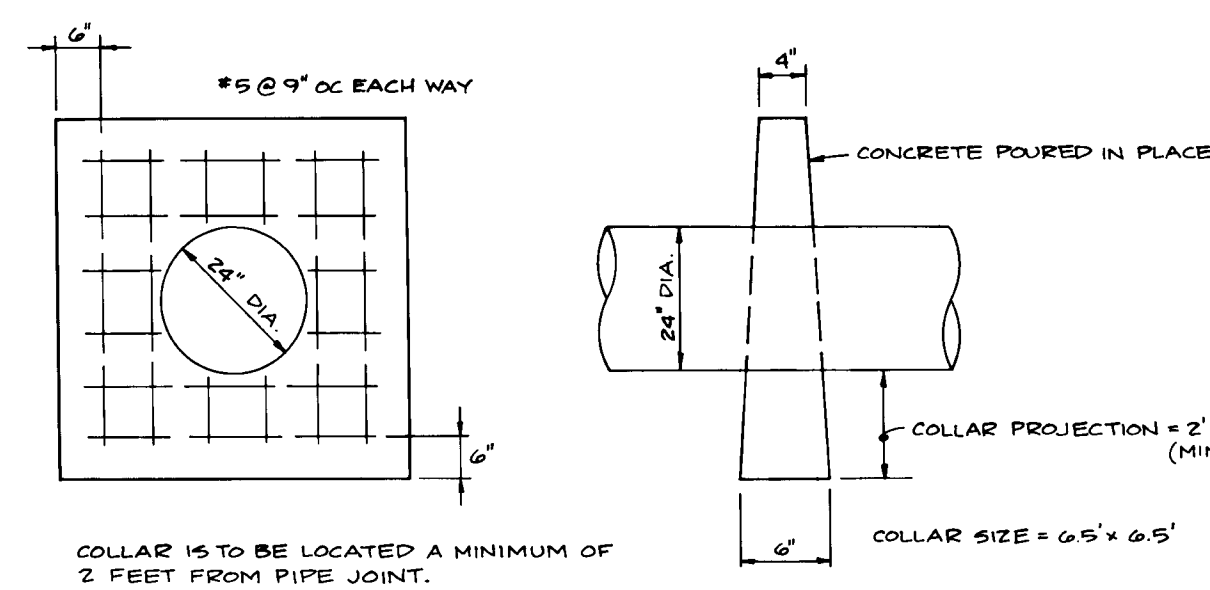


EMERGENCY SPILLWAY PROFILE
SCALE: 1" = 20' HORIZ, 1" = 2' VERT.



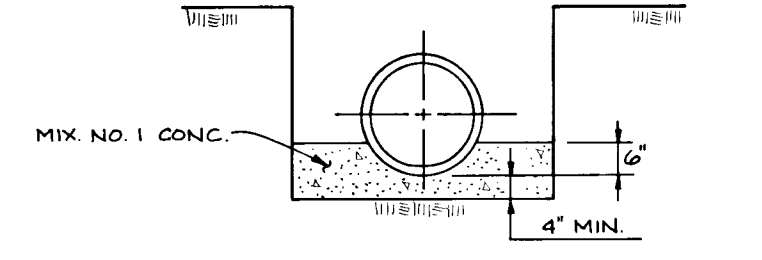
PROFILE
SCALE: 1" = 20' HORIZ, 1" = 2' VERT.

- NOTES**
1. MATERIAL FOR EMBANKMENT CONSTRUCTION IS TO BE US 65 GC, SC, CH, OR CL.
 2. ONLY CL, CH, OR SC SOILS ARE TO BE USED FOR CORE TRENCH CONSTRUCTION.
 3. ALL SLOPES AROUND POND ARE TO BE 3:1 MAX.
 4. SHOULD WATER BE ENCOUNTERED DURING CONSTRUCTION OF CORE TRENCH, IT IS TO BE REMOVED BY PUMPING.
 5. THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" @ 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
 6. SEE SHEET 7 OF 8 FOR CONSTRUCTION NOTES.

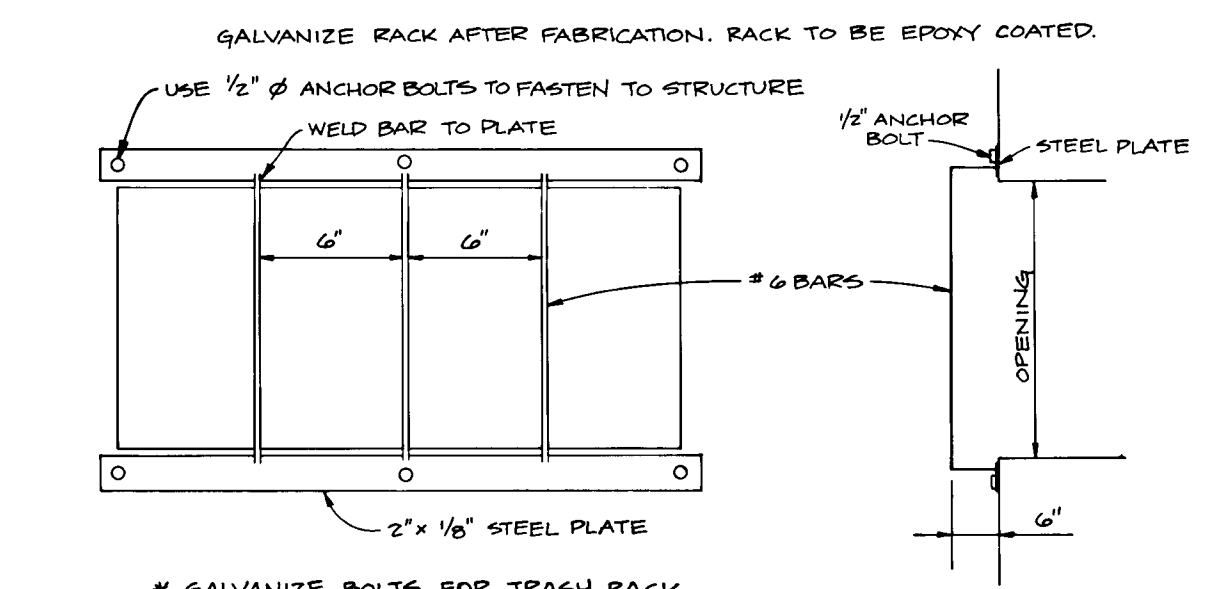


CONCRETE ANTI-SEEP COLLAR
NOT TO SCALE

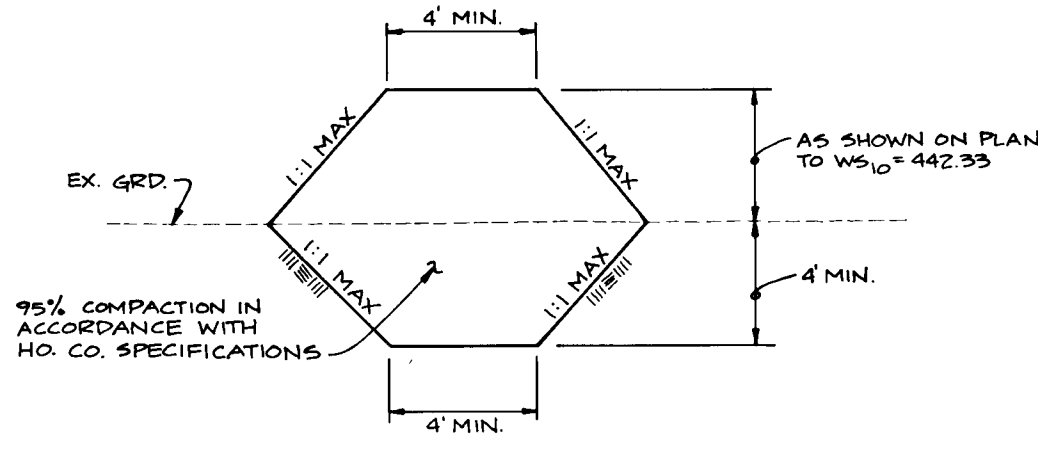
1. CONCRETE CRADLE TO BE PLACED FOR ENTIRE LENGTH OF 24" PIPE.
2. POUR CONCRETE TO UNDISTURBED EARTH, REMOVE SHEETING BEFORE POURING CONCRETE OR LEAVE LOWER PORTION OF SHEETING IN PLACE.



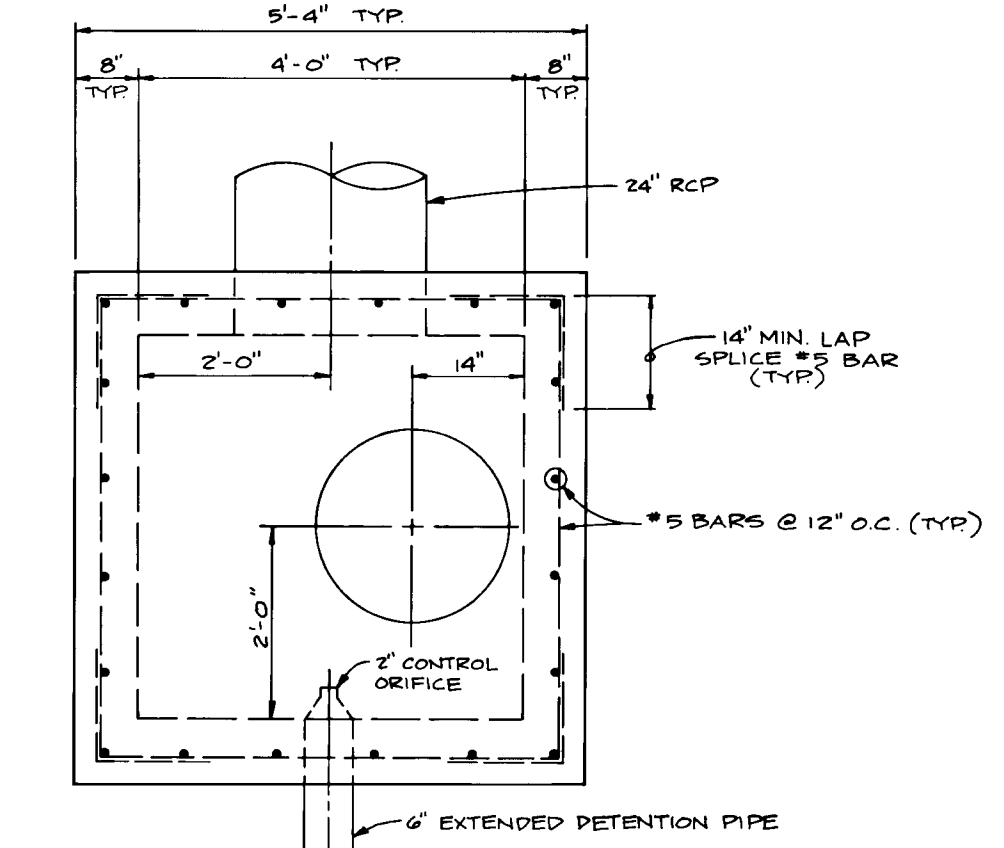
CONCRETE CRADLE
NOT TO SCALE



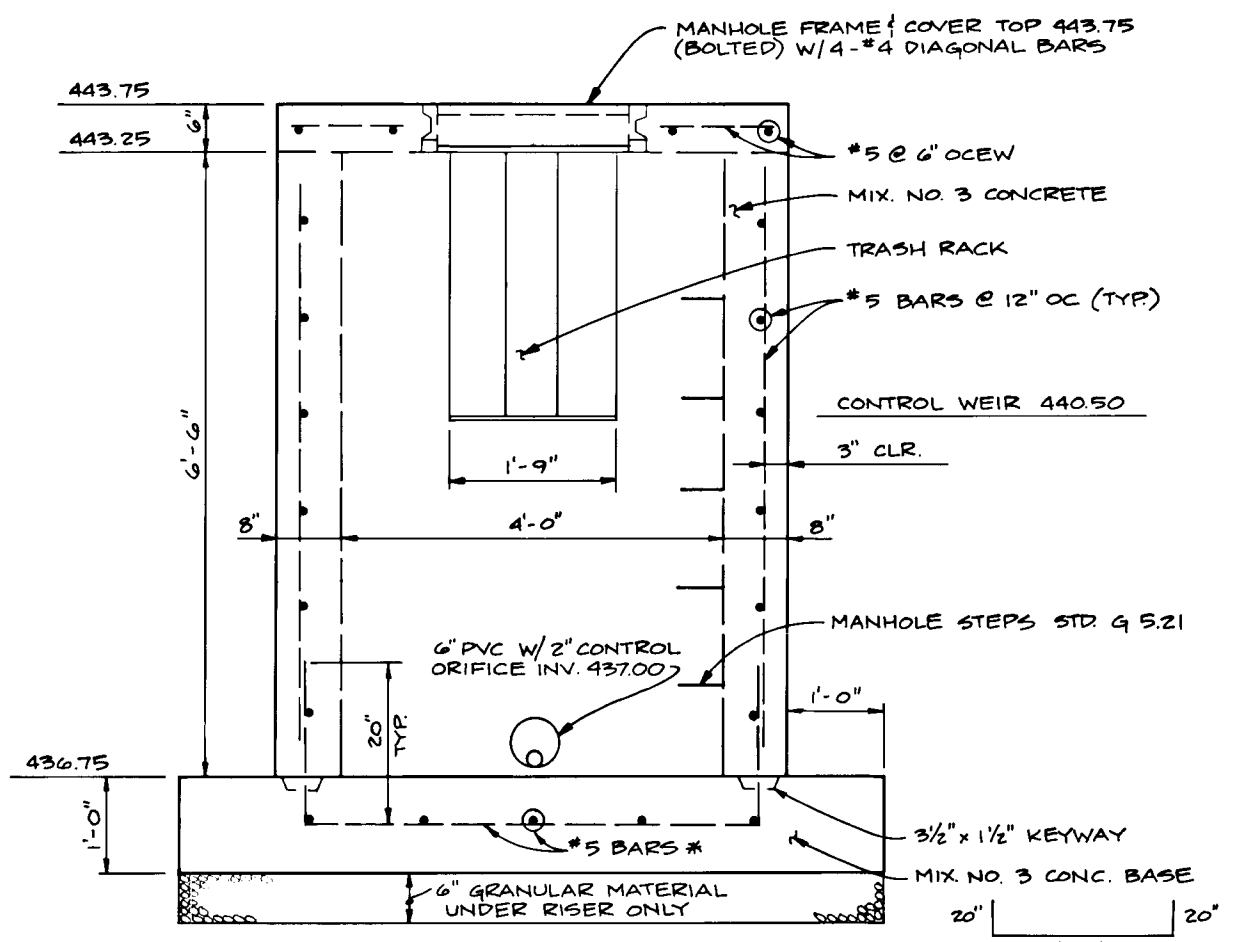
TRASH RACK DETAIL
NOT TO SCALE



CORE TRENCH SECTION
NOT TO SCALE



RISER PLAN
SCALE: 1/2" = 1'-0"



RISER DETAIL ELEVATION
SCALE: 1/2" = 1'-0"

BY THE DEVELOPER:
"I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

James R. Moxley, Jr. 3-30-93
DEVELOPER: JAMES R. MOXLEY, JR. DATE
SDG GROUP, INC. - PRESIDENT

BY THE ENGINEER:
"I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."

John M. Elorriaga, P.E. 3/29/93
ENGINEER: JOHN M. ELORRIAGA, P.E. # 16891 DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.

James M. Zickel, P.E. 7/5/92
U.S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

Richard W. Zickel, P.E. 7/5/92
HOWARD S.C.D. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

Richard W. Zickel, P.E. 2/17/93
CHIEF, LAND DEVELOPMENT DIVISION DATE

Andrew M. Cavaleri 7-30-93
CHIEF, BUREAU OF HIGHWAYS DATE

Edward Anderson Calva 8/19/93
CHIEF, BUREAU OF ENGINEERING M.K. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

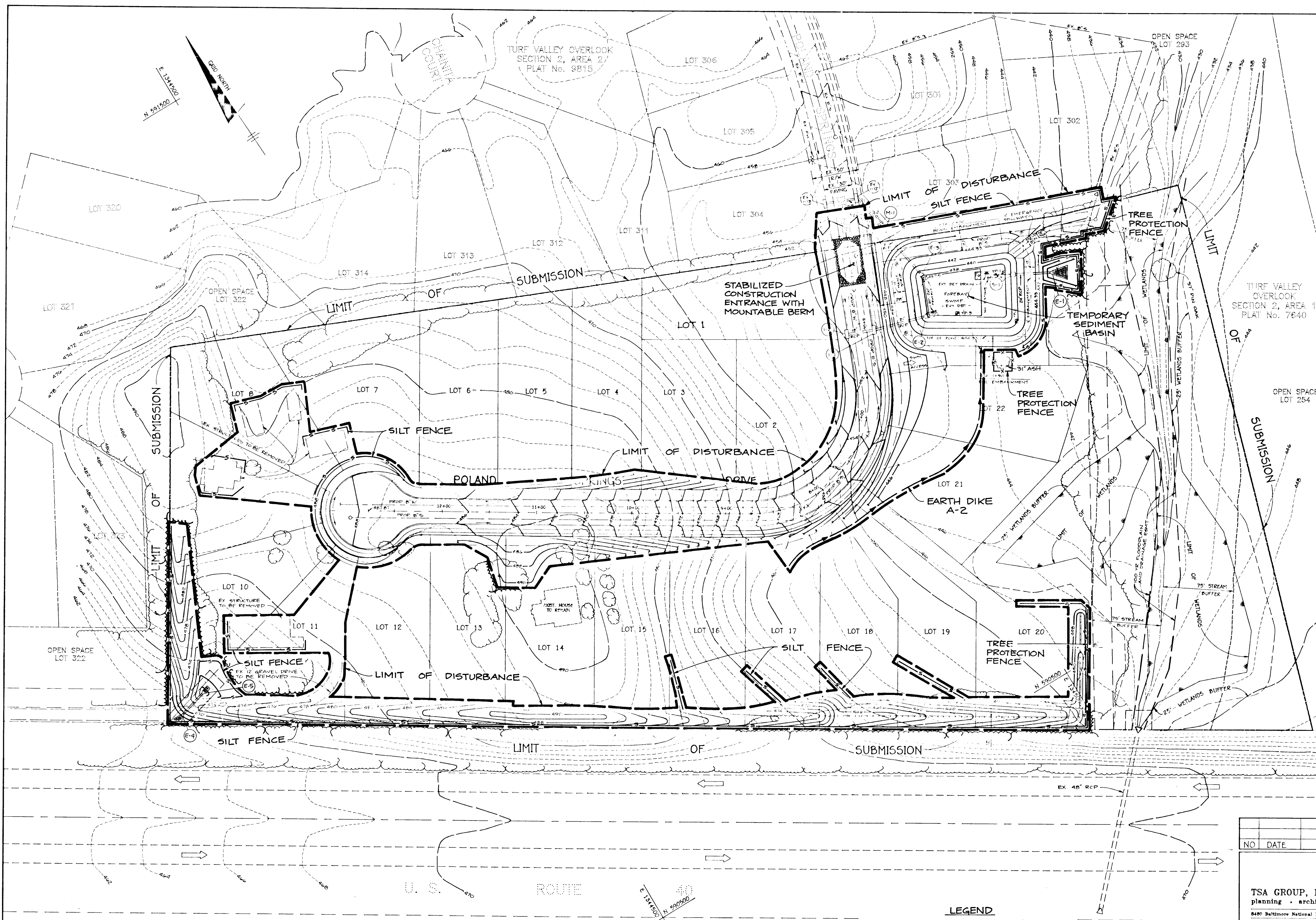
Richard Blood 1-20-93
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

| NO | DATE | REVISION |
|----|------|----------|
| | | |

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8480 Baltimore National Pike • Ellicott City, Maryland 21043 • (410) 465-8105

John M. Elorriaga

| | |
|--|---|
| OWNER/DEVELOPER: | PROJECT: |
| SDG GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21043 (410) 465-4244 | COLLEGE FARM SECTION 1, AREA 1 LOTS 1-23 |
| LOCATION: | TITLE: |
| TAX MAP 16 - PARCELS 212 & 376 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND | STORMWATER MANAGEMENT DETAILS P. 93-04 WP-93-96 |
| DATE: | PROJECT NO. |
| MARCH 29, 1993 JUNE 29, 1993 | 0485 |
| DES: JME | DRN: DBT |
| SCALE: AS SHOWN | DRAWING 5 OF 8 |



BY THE DEVELOPER:
 "I/WE CERTIFY THAT ALL DEVELOPMENT AND CONSTRUCTION WILL BE DONE ACCORDING TO THIS PLAN, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT A DEPARTMENT OF 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. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."
James R. Moxley, Jr. 3-30-93
 DEVELOPER: JAMES R. MOXLEY, JR. DATE
 SDC GROUP, INC. - PRESIDENT

BY THE ENGINEER:
 "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE POND WITHIN 30 DAYS OF COMPLETION."
John Slonigs 3/29/93
 ENGINEER: JOHN M. ELORRAGA, E.I. # 16891 DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
Jane M. Zehn, P.E. 7/5/93
 U.S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Robert W. Zehn, P.E. 7/5/93
 HOWARD S.C.D. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Chad Dammus 8/17/93
 CHIEF, DIVISION OF PUBLIC WORKS DATE

Andrew M. Daniels 7-30-93
 CHIEF, BUREAU OF HIGHWAYS DATE

Elizabeth Anderson Calca 8/19/93
 CHIEF, DIVISION OF ENGINEERING & M.K. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Richard Blood 8/20/93
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

| NO. | DATE | REVISION |
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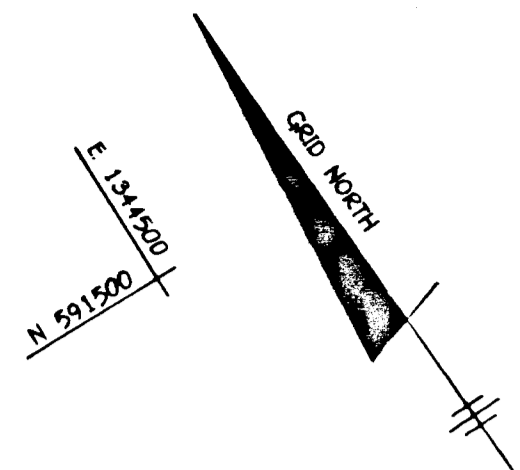
John Slonigs

| | |
|--|---|
| OWNER/DEVELOPER: SDC GROUP, INC. P.O. BOX 417 ELLICOTT CITY, MARYLAND 21043 (410) 465-4244 | PROJECT: COLLEGE FARM SECTION 1, AREA 1 LOTS 1-23 LOCATION: TAX MAP 16 - PARCELS 212 & 376 2nd ELECTION DISTRICT HOWARD COUNTY, MARYLAND TITLE: SEDIMENT CONTROL PLAN S-89-5 P-93-06 WP-93-96 DATE: MARCH 29, 1993 PROJECT NO. 0485 JUNE 25, 1993 SCALE: 1" = 50' DRAWING .6 OF .8 |
|--|---|

DES: JME DRN: DRK/DBT

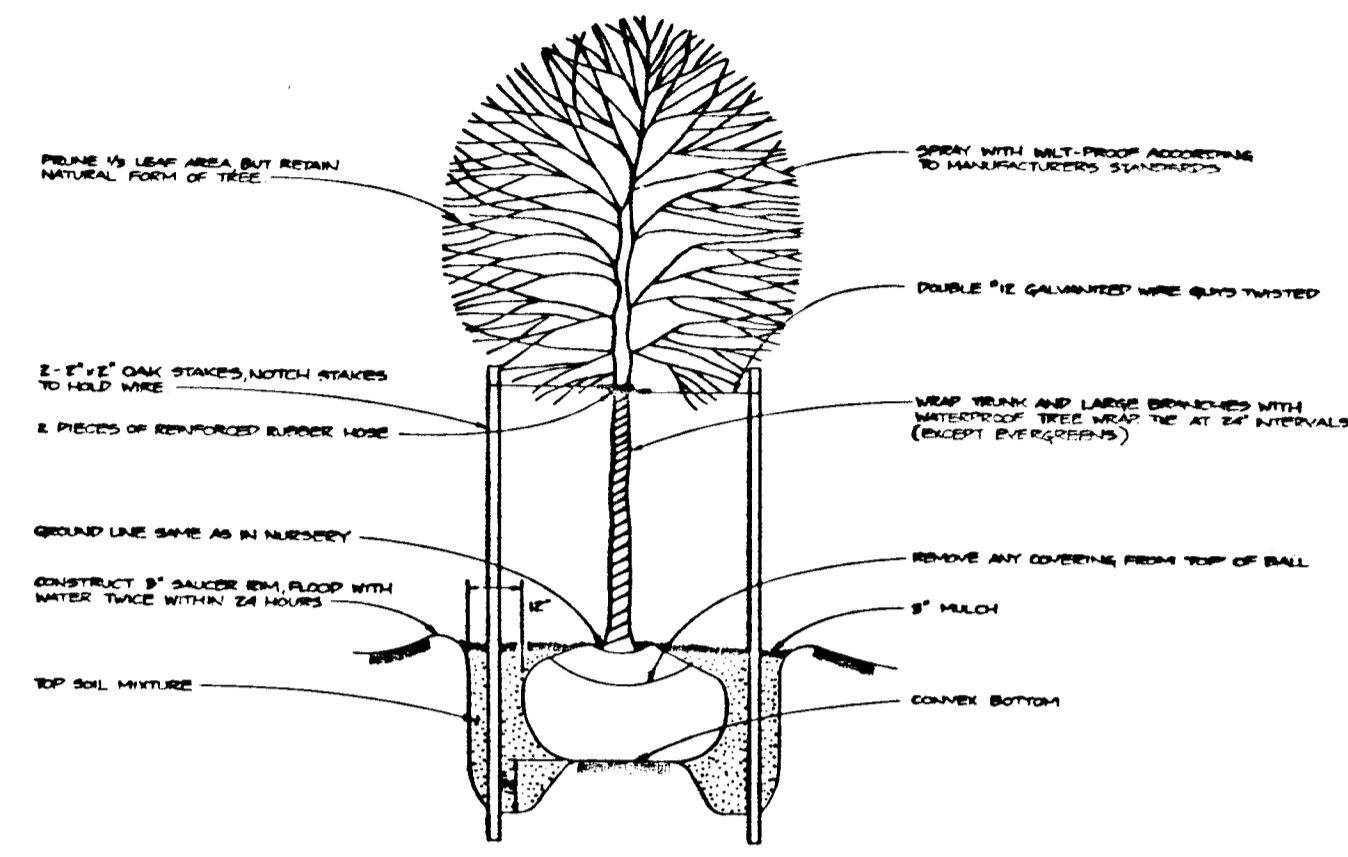
- LEGEND**
- EXISTING CONTOURS
 - PROPOSED CONTOURS
 - SILT FENCE
 - TREE PROTECTION FENCE
 - EARTH DIKE
 - LIMIT OF DISTURBANCE
 - EXISTING TREELINE
 - PROPOSED TREELINE

8991

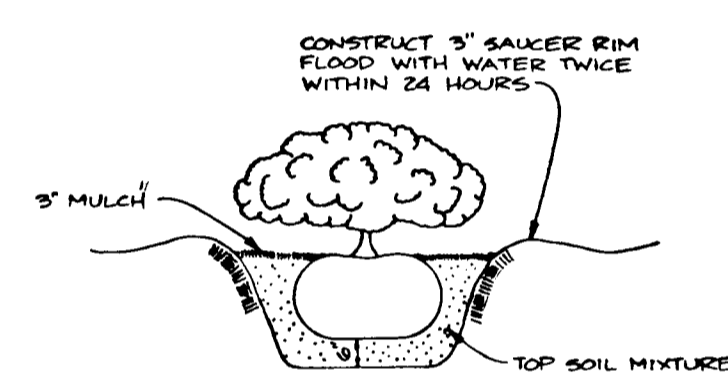


| PLANT LIST | | | |
|------------|----------|--|--------------------------------------|
| SYMBOL | QUANTITY | NAME | REMARKS |
| | 42 | ACER RUBRUM Red Maple | 2 1/2" MIN. CALIPER D.B. FULLHEAD |
| | 90 | PINUS STROBUS White Pine | 4'-6" HEIGHT D.B. |
| | 128 | ARONIA ARBUTIFOLIA Spotted Red Chokeberry | 2-2 1/2' HT D.B. |

* ALL SCREENING OF THE STORMWATER MANAGEMENT FACILITY IS TO BE DONE ON THE OPEN SPACE LOT 23.



TREE PLANTING DETAIL
NOT TO SCALE



SHRUB PLANTING DETAIL
NOT TO SCALE

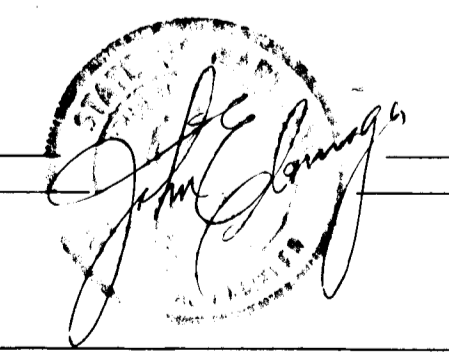
TURF VALLEY OVERLOOK SECTION 2, AREA 1 PLAT No. 7640

APPROVED: HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Michael J. ... 8/17/93
 CHIEF, LAND DEVELOPMENT DIVISION DATE
Andrew M. ... 7-30-93
 CHIEF, BUREAU OF HIGHWAYS DATE
Clarebell Anderson Calia 8/19/93
 CHIEF, BUREAU OF ENGINEERING M.J.K. DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING
Richard Blood 8/20/93
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

| NO. | DATE | REVISION |
|-----|------|----------|
| | | |

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OWNER/DEVELOPER: SOC GROUP, INC.
 P.O. BOX 417
 ELLICOTT CITY, MARYLAND 21043
 (410) 465-4244

PROJECT: COLLEGE FARM
 SECTION 1, AREA 1
 LOTS 1-23

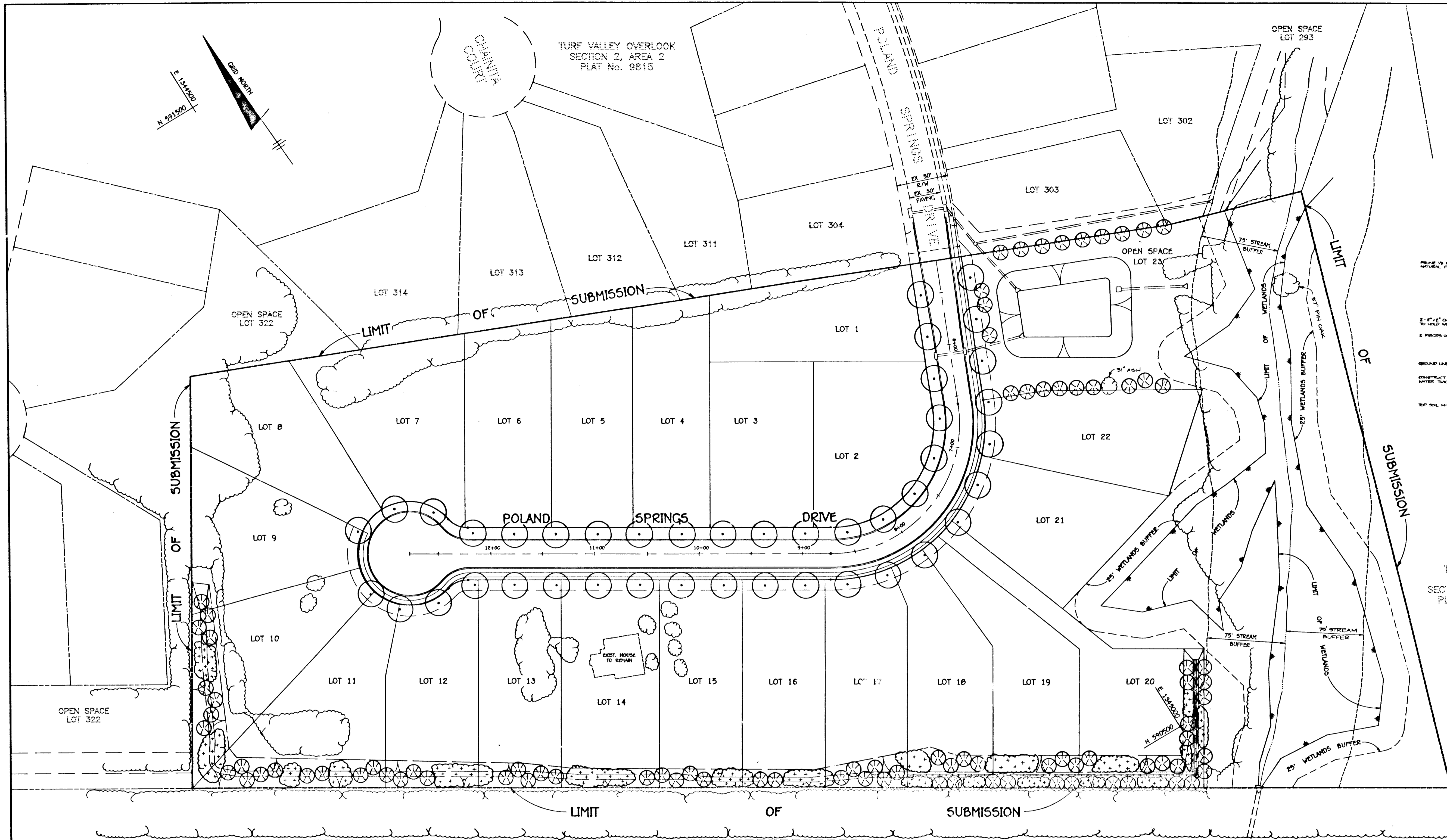
LOCATION: TAX MAP 16 - PARCELS 212 & 376
 2nd ELECTION DISTRICT
 HOWARD COUNTY, MARYLAND

TITLE: LANDSCAPE PLAN
 5-87-5 P-93-06 WP-93-96

DATE: MARCH 29, 1993
 JUNE 25, 1993

PROJECT NO. 0405

DES: JME DRN: DRK/DOT SCALE: 1" = 50' DRAWING NO. OF 1



U. S. ROUTE 40
 EXIST. 200' R/W
 S.R.C. PLAT NOS. 6793, 6794 & 27402

8971