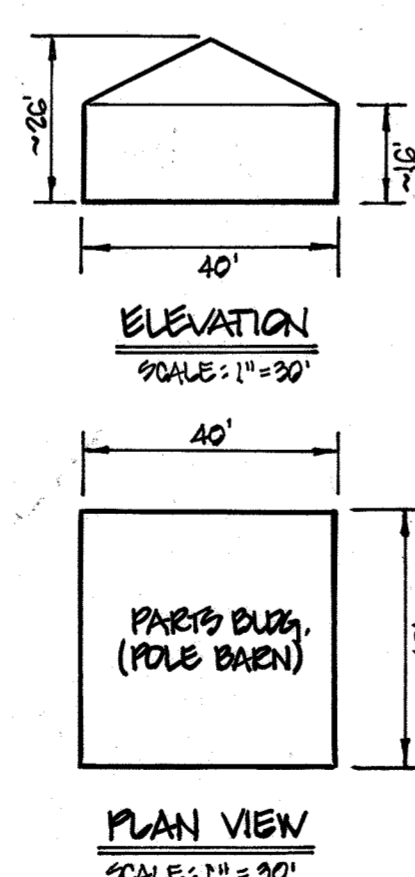


**CONSTRUCTION NOTES**

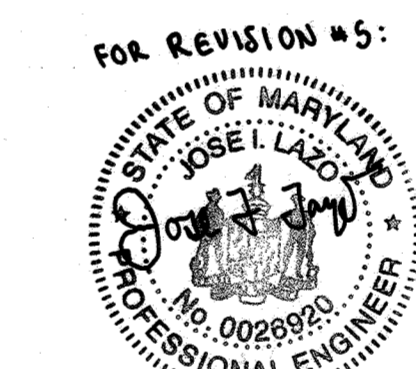
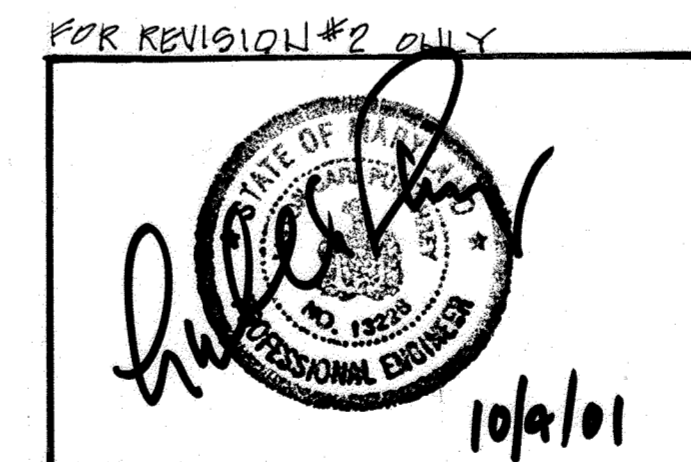
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARDS AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
- THE CONTRACTOR SHALL NOTIFY THE BUREAU OF ENGINEERING/ CONSTRUCTION INSPECTION DIVISION AT (410) 313-1880. AT LEAST FIVE (5) WORKING DAYS PRIOR 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.
- THE EXISTING UTILITIES AND OBSTRUCTIONS SHOWN HEREON ARE FROM THE BEST AVAILABLE RECORDS AND SHALL BE VERIFIED BY THE CONTRACTOR TO HIS SATISFACTION PRIOR TO CONSTRUCTION. NEITHER THE OWNER NOR THE ENGINEER WARRANT OR GUARANTEE THE COMPLETENESS OR THE CORRECTNESS OF THE INFORMATION GIVEN.
- ALL PLAN DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
- 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.
- ALL SPOT ELEVATIONS ARE FLOW LINE ELEVATIONS UNLESS OTHERWISE NOTED.
- NECESSARY PRECAUTIONS SHALL BE TAKEN BY THE CONTRACTOR TO PROTECT EXISTING SERVICES AND MAINS, AND ANY DAMAGE TO THEM DUE TO HIS NEGLIGENCE SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTORS EXPENSE.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATION OF HIS CONSTRUCTION WITH THE CONSTRUCTION OF ALL OTHER CONTRACTORS.
- STRUCTURAL FILL FOR PAVED AREAS AND BUILDING AREAS SHALL HAVE A MINIMUM 95% COMPACTION IN ACCORDANCE WITH A.A.S.H.T.O. DESIGNATION T-180, METHOD "C". COMPACTION TESTS AT PAVED AREAS SHALL BE TAKEN TO SUBBASE AND TO MINIMUM 15' BEYOND LIMITS OF PAVED AREAS. ALL OTHER FILL SHALL BE COMPACTED TO 90% MINIMUM DENSITY, UNLESS OTHERWISE NOTED.

**LEGEND**

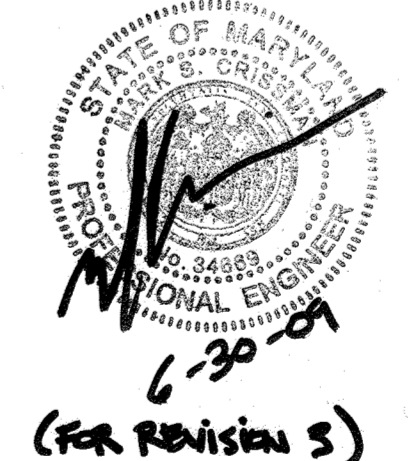
- 240--- EXISTING CONTOUR
- EX. CONC. CURB & GUTTER
- EXISTING WATER
- EXISTING SEWER
- EXISTING TREE LINE
- EX. 6" CHAIN LINK FENCE
- EXISTING EDGE MACADAM
- EXISTING B.G.& E. POLE
- PROPOSED CONTOUR
- PROPOSED CONC. CURB & GUTTER
- PROPOSED WATER
- PROPOSED SEWER
- PROPOSED STORM DRAIN
- PROPOSED 6" CHAIN LINK FENCE
- PROP. SIDEWALK (HOWARD CO. STD. R-3.05)
- PROP. CONC. ENTRANCE (HOWARD CO. STD. R-6.10)
- PROP. CONC. PAVEMENT
- PROP. BIT. CONC. PAVEMENT
- EARTH DIKE
- SILT FENCE
- STABILIZED CONSTRUCTION ENTRANCE (SCE)
- LIMIT OF DISTURBANCE
- EXISTING WOODS TO BE SAVED



| INDEX     |                              |
|-----------|------------------------------|
| SHEET NO. | TITLE                        |
| 1         | COVER SHEET                  |
| 2         | EXISTING CONDITIONS PLAN     |
| 3         | DIMENSION & PAVEMENT PLAN    |
| 4         | GRADING & UTILITY PLAN       |
| 5         | PAVING & STORM DRAIN DETAILS |
| 6         | STORM DRAIN DETAILS          |
| 7         | S.W.M. DETAILS               |
| 8         | STORM DRAIN PROFILES         |
| 9         | PROFILES                     |
| 10        | DRAINAGE AREA MAP            |
| 11        | SEDIMENT CONTROL NOTES       |
| 12        | SEDIMENT CONTROL NOTES       |
| 13        | SOIL BORING LOGS             |
| 14        | LANDSCAPE PLAN               |

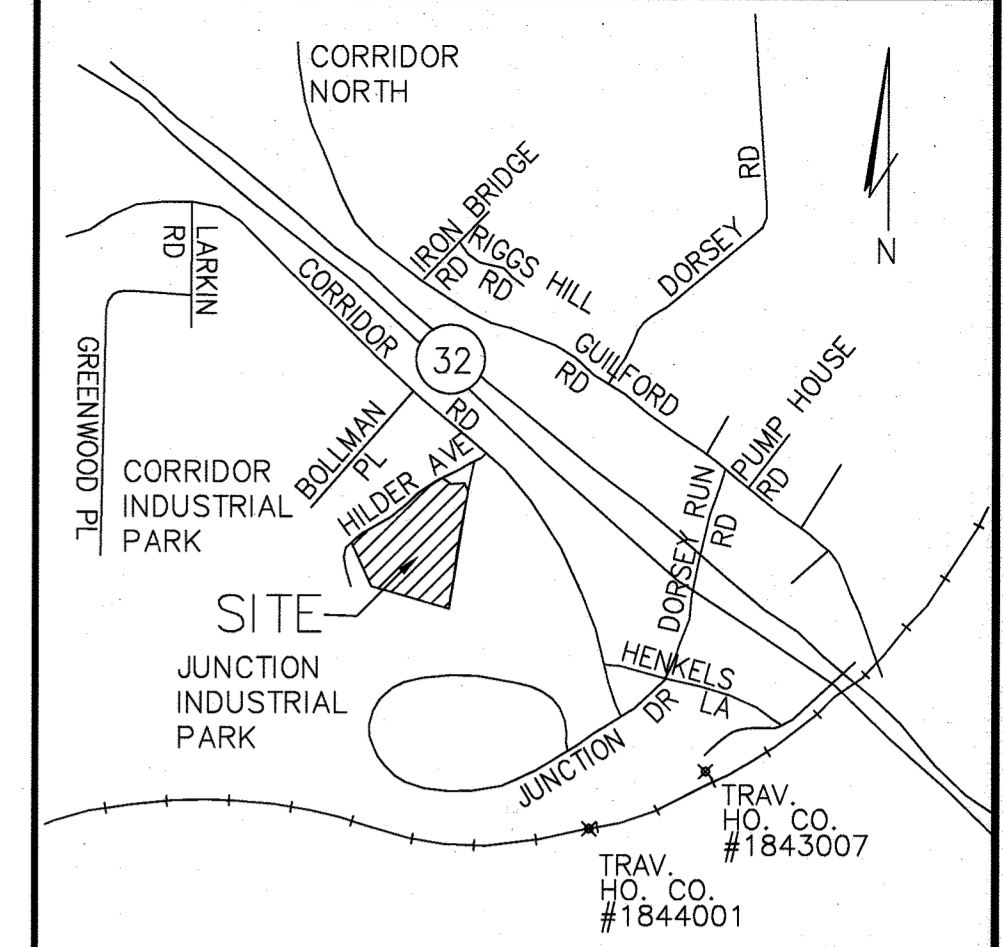


PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 26920, EXPIRATION DATE: JULY 6, 2023



(FOR REVISION 5)

For Revision 4



VICINITY MAP  
SCALE: 1"=2000'

**GENERAL NOTES**

- BOUNDARY SURVEY PREPARED BY JOHN E. HARMS, JR. & ASSOC., INC. DATED FEBRUARY, 1990. COORDINATES, BEARINGS, AND DISTANCES SHOWN HEREON ARE BASED ON MARYLAND STATE GRID SYSTEM-NAD 27. SURVEY WAS PERFORMED IN 1990 PRIOR TO PASSAGE OF LAW REQUIRING NAD 83 COORDINATES. TOPOGRAPHY SURVEY PREPARED FROM AERIAL TOPOGRAPHY PERFORMED BY POTOMAC AERIAL SURVEYS, INC. DATED APRIL, 1993 AND SUPPLEMENTED WITH FIELD RUN TOPOGRAPHY PERFORMED BY JOHN E. HARMS JR. & ASSOC., INC. DATE OCTOBER, 1993.
- PROJECT INFORMATION:  
ZONING: M-2  
SITE AREA: 4.89 AC  
LAND USE: TRUCK TERMINAL  
BUILDING AREA: 17,516 SQ. FT. OR 0.40 AC OR 17,516 SQ. FT. OR 1.72 AC  
MAXIMUM NO. OF EMPLOYEES: 14  
PARKING SPACES: 14 SPACES  
PROVIDED: 14 SPACES  
REQUIRED: 14 SPACES
- PROVIDED: REGULAR (18' x 9') = 49 SPACES  
HANDICAPPED (18' x 8' W/5' AISLE) = 3 SPACES  
TOTAL = 52 SPACES  
TRUCK (30' x 11') = 35 SPACES  
TRAILER (50' x 11') = 35 SPACES
- PARKING LOT AREA: 142,218 SQ. FT. OR 3.26 AC OR 61.72 AC
- OPEN SPACE ON SITE: 67,421 SQ. FT. OR 1.55 AC OR 29.7%
- THE PROPOSED DEVELOPMENT DISTURBS LESS THAN 40,000 SQUARE FEET OF EXISTING FOREST AND IS THEREFORE EXEMPT FROM THE HOWARD COUNTY FOREST CONSERVATION REQUIREMENTS.
- SUBJECT PROPERTY IS NOT IN 100 YEAR FLOOD PLAIN AS PER FLOOD INSURANCE MAP PANEL #2400440044B.
- STORMWATER MANAGEMENT QUANTITY AND QUALITY CONTROL PROVIDED BY PROPOSED ON-SITE STORMWATER MANAGEMENT FACILITIES.
- STORMWATER MANAGEMENT FACILITY WILL BE PRIVATELY OWNED AND MAINTAINED.
- BASED ON FIELD INVESTIGATION PERFORMED BY JOHN E. HARMS & ASSOC. ON FEB. 1, 1994, NON-TIDAL WETLANDS DO NOT EXIST ON THIS SITE.
- Bb2 = BELTSVILLE SILT LOAM, 1 TO 5 PERCENT SLOPES, MODERATELY ERODED. L1 = LEONARDTOWN SILT LOAM. CmB2 = CHILLUM SILT LOAM, 1 TO 5 PERCENT, MODERATELY ERODED.
- TOTAL DISTURBED AREA = 4.48 AC.
- HOWARD CO. STREET MAP REFERENCE: PAGE 20, GRID F-8.
- POSSIBLE FUTURE EXPANSION SHOWN ON BUILDING AND FUEL ISLAND IS NOT PART OF THIS PLAN.
- NO WATER OR SEWER SERVICE IS PROPOSED TO THE PAINT BOOTH ADDITION.
- LIMIT OF DISTURBANCE (LOD) FOR REVISION #4 IS 2,050 SQ. FT. (TO PUT UP A POLE BARN ON AN EXISTING LEVEL CONCRETE PAD AND PROVIDE ADA ACCESSIBLE SPACE). WHEN LOD EXCEEDED 3,000 SQ. FT. (TOTAL), SIGN WILL BE REQUIRED FOR FUTURE ADDITION.

**OWNER / DEVELOPER**

ROLLINS LEASING CORP.  
ONE ROLLINS PLAZA  
P.O. BOX 1791  
WILMINGTON, DE. 19899  
TELEPHONE: (302) 426-2700

18. A 2,000 SF BUILDING EXPANSION OF THE EXISTING TRUCK TERMINAL BUILDING AND ASSOCIATED ROOF DRAIN CONNECTION TO EXISTING SYSTEM WAS ADDED TO THIS PLAN IN SEPTEMBER OF 2021.

**SITE DEVELOPMENT PLAN  
COVER SHEET**  
ROLLINS LEASING CORP.  
TRUCK FACILITY

TAX MAP 48 PARCEL 104  
6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS - PLANNERS - SURVEYORS

90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-8000

|                      |               |
|----------------------|---------------|
| DESIGN BY: T.C.B.    | 1 SHEET OF 14 |
| DRAWN BY: J.E.H.     |               |
| CHECKED BY: RMF      |               |
| DATE: MARCH 31, 1994 |               |
| SCALE: NONE          |               |
| W.O. NO.: 05-93-003A |               |

| NO. | REVISION   | BY   | DATE     |
|-----|--|------|----------|
| 5   | BUILDING ADDITION & REVISE SQUARE FOOTAGE OF BUILDING  | J.L. | 08/13/21 |
| 4   | SHOW REMOVAL OF CANOPY & ADD PLUMB AND PORTION OF A PAINT BOOTH  | BJT  | 01/31/20 |
| 3   | ADD PAINT BOOTH ADDITION, REVISE BLDG SQUARE FOOTAGE IN GENERAL NOTE 2 & 4, REVISE PARKING REGULATIONS IN GENERAL NOTES, REVISE PARKING LOT AREA IN GENERAL NOTE 5, AND ADD GENERAL NOTE 16. | SJT  | 04/25/19 |

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
DIRECTOR: [Signature] DATE: 6/29/94

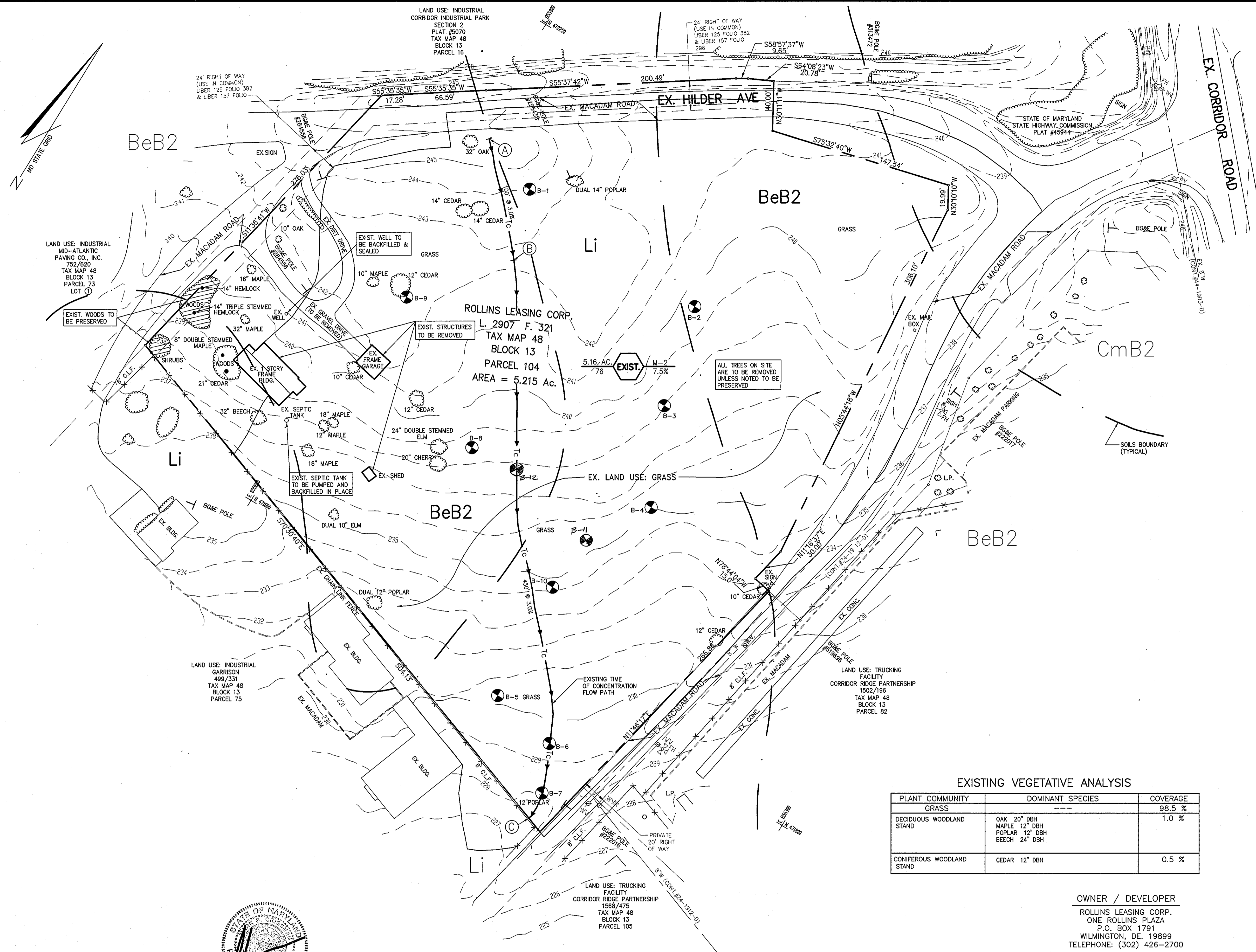
APPROVED: CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH  
DATE: 6/22/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: [Signature] DATE: 6/16/94

APPROVED: CHIEF, BUREAU OF ENGINEERING  
DATE: [Signature]

|     |  |          |
|-----|--|----------|
| 2   | REV. BLDG. FOOTPRINT AND RELOCATED TRASH DUMPSTER BURN AND UPDATE G&U NOTE | 10/21/01 |
| NO. | REVISION   | DATE     |

| ADDRESS CHART         |                    |      |              |               |            |
|-----------------------|--------------------|------|--------------|---------------|------------|
| PARCEL                | STREET ADDRESS     |      |              |               |            |
| 104                   | 8820 CORRIDOR ROAD |      |              |               |            |
| SUBDIVISION NAME      |                    |      | SECTION/AREA | PARCEL NUMBER |            |
| ROLLINS LEASING CORP. |                    |      | N/A          | 104           |            |
| DEED                  | BLOCK NO.          | ZONE | TAX/ZONE     | ELECT. DIST.  | CENSUS TR. |
| 2907/91G              | 13                 | M-2  | 48           | 6 TH          | 6069.02    |
| WATER CODE            |                    |      | SEWER CODE   |               |            |
| C 04                  |                    |      | 4110000      |               |            |



**SPECIALIZED ENGINEERING**  
**BORING NUMBER B-11**  
 PAGE 1 OF 1

CLIENT: John E. Harms, Jr. and Associates, Inc. PROJECT NAME: Potomac Truck Leasing Building Addition  
 PROJECT NUMBER: 094278 PROJECT LOCATION: Annapolis, Annapolis, MD  
 DATE STARTED: 4/15/99 COMPLETED: 4/15/99 GROUND ELEVATION: 238.85 ft. HOLE SIZE: 2.25 in.  
 DRILLING CONTRACTOR: Connolly and Associates GROUND WATER LEVELS:  
 DRILLING METHOD: HSA AT TIME OF DRILLING: Zone  
 LOGGED BY: J. Weller CHECKED BY: J. Powell AT END OF DRILLING: Zone  
 NOTES: Cave In Depth Upon Completion: 9.0 feet AFTER DRILLING: Rejected Upon Completion

| ELEVATION (ft) | DEPTH (ft) | MATERIAL DESCRIPTION   | SAMPLE NO. | SAMPLE DEPTH (ft) | RECOVERY (%) | CORRECTION IN VALUE | SPT VALUE |    |      |
|----------------|------------|--|------------|-------------------|--------------|---------------------|-----------|----|------|
|                |            |  |            |                   |              |                     | FL        | NC | LL   |
| 238.85         | 0.0        | CONCRETE   | SS-1       | 0.5               | 56           | 9-8-6               |           |    |      |
| 238.85         | 0.5        | GRAVEL BASE  | SS-2       | 2.0               | 56           | 8-4                 |           |    |      |
| 238.85         | 2.0        | FILL: dark tan sandy clay, little gravel, moist, stiff   | SS-3       | 4.0               | 83           | 3-3-8               |           |    | 43.3 |
| 238.85         | 4.0        | SILT SAND: dark tan, fine to coarse grained, fine clay, some gravel, moist, medium dense, (SM) | SS-4       | 6.0               | 67           | 29-23-1             |           |    |      |
| 238.85         | 6.0        | GRAVELLY SAND: light brown, fine to coarse grained, trace silt, moist, very dense, (SP-SM)     | SS-5       | 8.0               | 87           | 15-14-16            |           |    |      |
| 238.85         | 8.0        | SILT SAND: light orange-brown, fine to coarse grained, some gravel, moist, medium dense, (SM)  | SS-6       | 10.0              | 69           | 16-12-13            |           |    |      |
| 238.85         | 10.0       |  | SS-7       | 12.0              | 44           | 15-14-16            |           |    | 14.3 |
| 238.85         | 12.0       |  | SS-8       | 14.0              | 44           | 15-14-16            |           |    |      |
| 238.85         | 14.0       |  | SS-9       | 16.0              | 44           | 15-14-16            |           |    |      |
| 238.85         | 16.0       | End of boring at 15.0 feet.  |            |                   |              |                     |           |    |      |

7504 Connolly Drive, Suite G, Hanover, Maryland 21076 (410) 715-4500 / (410) 715-4803 fax

**SPECIALIZED ENGINEERING**  
**BORING NUMBER B-12**  
 PAGE 1 OF 1

CLIENT: John E. Harms, Jr. and Associates, Inc. PROJECT NAME: Potomac Truck Leasing Building Addition  
 PROJECT NUMBER: 094278 PROJECT LOCATION: Annapolis, Annapolis, MD  
 DATE STARTED: 4/15/99 COMPLETED: 4/15/99 GROUND ELEVATION: 238.81 ft. HOLE SIZE: 2.25 in.  
 DRILLING CONTRACTOR: Connolly and Associates GROUND WATER LEVELS:  
 DRILLING METHOD: HSA AT TIME OF DRILLING: Zone  
 LOGGED BY: J. Weller CHECKED BY: J. Powell AT END OF DRILLING: Zone  
 NOTES: Cave In Depth Upon Completion: 8.2 feet AFTER DRILLING: Rejected Upon Completion

| ELEVATION (ft) | DEPTH (ft) | MATERIAL DESCRIPTION  | SAMPLE NO. | SAMPLE DEPTH (ft) | RECOVERY (%) | CORRECTION IN VALUE | SPT VALUE |    |      |
|----------------|------------|---|------------|-------------------|--------------|---------------------|-----------|----|------|
|                |            |   |            |                   |              |                     | FL        | NC | LL   |
| 238.81         | 0.0        | CONCRETE  | SS-1       | 0.5               | 56           | 8-4                 |           |    |      |
| 238.81         | 0.5        | GRAVEL BASE   | SS-2       | 2.0               | 56           | 8-4                 |           |    |      |
| 238.81         | 2.0        | FILL: brown to grayish brown sandy clay, with gravel, moist, soft to medium stiff | SS-3       | 4.0               | 56           | 4-2-2               |           |    | 10   |
| 238.81         | 4.0        | SANDY LEAN CLAY: reddish brown, trace gravel, moist, stiff to hard, (CL)          | SS-4       | 6.0               | 44           | 8-7                 |           |    | 13   |
| 238.81         | 6.0        |   | SS-5       | 8.0               | 33           | 5-9-14              |           |    | 14.0 |
| 238.81         | 8.0        |   | SS-6       | 10.0              | 33           | 5-9-14              |           |    | 14.0 |
| 238.81         | 10.0       |   | SS-7       | 12.0              | 22           | 15-17-16            |           |    | 14.0 |
| 238.81         | 12.0       |   | SS-8       | 14.0              | 22           | 15-17-16            |           |    | 14.0 |
| 238.81         | 14.0       | End of boring at 15.0 feet.   |            |                   |              |                     |           |    |      |

7504 Connolly Drive, Suite G, Hanover, Maryland 21076 (410) 715-4500 / (410) 715-4803 fax

**EXISTING VEGETATIVE ANALYSIS**

| PLANT COMMUNITY           | DOMINANT SPECIES  | COVERAGE |
|---------------------------|---|----------|
| GRASS                     | ---   | 98.5 %   |
| DECIDUOUS WOODLAND STAND  | OAK 20" DBH<br>MAPLE 12" DBH<br>POPLAR 12" DBH<br>BEECH 24" DBH | 1.0 %    |
| CONIFEROUS WOODLAND STAND | CEDAR 12" DBH   | 0.5 %    |

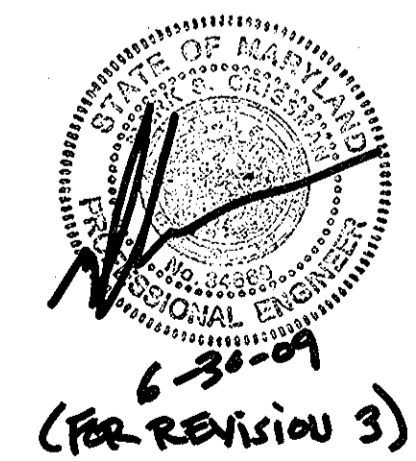
OWNER / DEVELOPER  
 ROLLINS LEASING CORP.  
 ONE ROLLINS PLAZA  
 P.O. BOX 1791  
 WILMINGTON, DE. 19899  
 TELEPHONE: (302) 426-2700

**EXISTING CONDITIONS PLAN**  
 ROLLINS LEASING CORP.  
 TRUCK FACILITY  
 TAX MAP 48 PARCEL 104  
 6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS - PLANNERS - SURVEYORS  
 90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-8000

DESIGN BY: T.C.B.  
 DRAWN BY: J.E.H.  
 CHECKED BY: R.M.F.  
 DATE: MARCH 31, 1994  
 SCALE: 1" = 40'  
 W.O. NO.: 05-93-003A

2 SHEET OF 14



6-30-94  
 (for revision 3)

| NO. | REVISION                | BY | DATE    |
|-----|-------------------------|----|---------|
| 3   | ADD BORINGS B-11 & B-12 | SS | 6/30/99 |

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 COUNTY HEALTH OFFICER

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 U.S. SOIL CONSERVATION SERVICE

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

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 HOWARD SOIL CONSERVATION DISTRICT

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 COUNTY HEALTH OFFICER

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

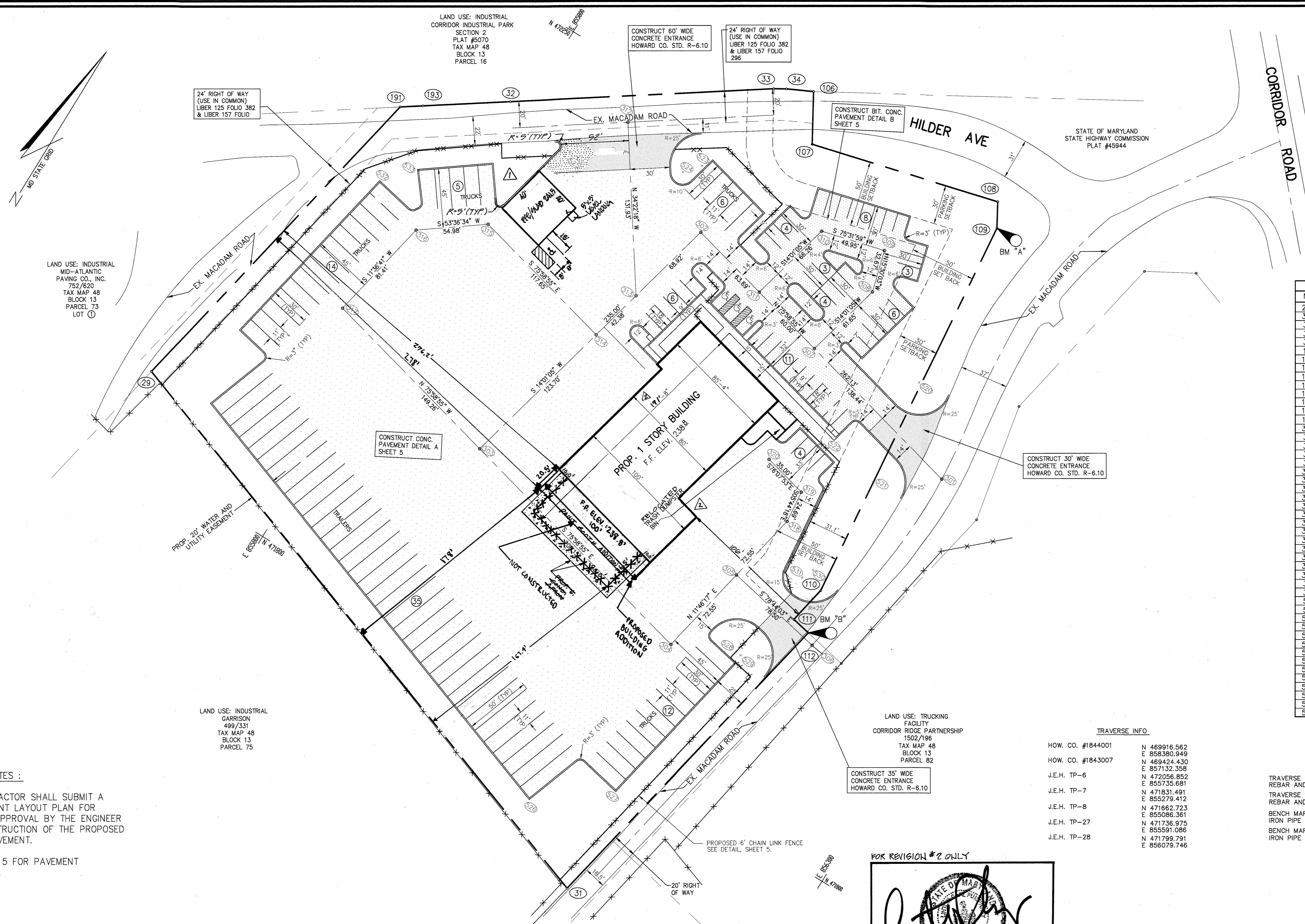
APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 U.S. SOIL CONSERVATION SERVICE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_  
 CHIEF, BUREAU OF ENGINEERING

| SUBDIVISION NAME      | SECTION/AREA | PARCEL NUMBER |
|-----------------------|--------------|---------------|
| ROLLINS LEASING CORP. | N/A          | 104           |
| DEED                  | BLOCK NO.    | ZONE          |
| 2907/910              | 13           | M-2           |
| TAX/ZONE              | ELECT. DIST. | CENSUS TR.    |
| 48                    | 6 TH         | 6069.02       |
| WATER CODE            | C 04         | SEWER CODE    |
|                       |              | 4110000       |

FILE: EX-ROLLING



LAND USE: INDUSTRIAL  
MID-ATLANTIC  
PAVING CO., INC.  
752/620  
TAX MAP 48  
BLOCK 13  
PARCEL 73  
LOT ①

LAND USE: INDUSTRIAL  
CORRIDOR INDUSTRIAL PARK  
SECTION 2  
PLAT #5070  
TAX MAP 48  
BLOCK 13  
PARCEL 16

CONSTRUCT 60' WIDE  
CONCRETE ENTRANCE  
HOWARD CO. STD. R-6.10

24' RIGHT OF WAY  
(USE IN COMMON)  
LIBER 125 FOLIO 382  
& LIBER 157 FOLIO  
296

24' RIGHT OF WAY  
(USE IN COMMON)  
LIBER 125 FOLIO 382  
& LIBER 157 FOLIO

CONSTRUCT BIT. CONC.  
PAVEMENT DETAIL B  
SHEET 5

STATE OF MARYLAND  
STATE HIGHWAY COMMISSION  
PLAT #45944

CONSTRUCT CONC.  
PAVEMENT DETAIL A  
SHEET 5

CONSTRUCT 30' WIDE  
CONCRETE ENTRANCE  
HOWARD CO. STD. R-6.10

LAND USE: TRUCKING  
FACILITY  
CORRIDOR RIDGE PARTNERSHIP  
1502/198  
TAX MAP 48  
BLOCK 13  
PARCEL 82

CONSTRUCT 35' WIDE  
CONCRETE ENTRANCE  
HOWARD CO. STD. R-6.10

**PAVEMENT NOTES :**

1. THE CONTRACTOR SHALL SUBMIT A PAVEMENT JOINT LAYOUT PLAN FOR REVIEW AND APPROVAL BY THE ENGINEER BEFORE CONSTRUCTION OF THE PROPOSED CONCRETE PAVEMENT.
2. SEE SHEET 5 FOR PAVEMENT JOINT DETAILS.

**TRAVERSE INFO**

|                   |              |
|-------------------|--------------|
| HOW. CO. #1844001 | N 489916.562 |
|                   | E 858380.949 |
| HOW. CO. #1843007 | N 469424.430 |
|                   | E 857132.358 |
| J.E.H. TP-6       | N 472056.852 |
|                   | E 855735.681 |
| J.E.H. TP-7       | N 471831.491 |
|                   | E 855279.412 |
| J.E.H. TP-8       | N 471662.723 |
|                   | E 855086.361 |
| J.E.H. TP-27      | N 471736.975 |
|                   | E 855591.086 |
| J.E.H. TP-28      | N 471799.791 |
|                   | E 856079.746 |

**BENCH MARKS**

|                   |              |
|-------------------|--------------|
| TRAVERSE POINT #6 | ELEV. 243.18 |
| REBAR AND CAP     |              |
| TRAVERSE POINT #7 | ELEV. 237.22 |
| REBAR AND CAP     |              |
| BENCH MARK "A"    | ELEV. 239.57 |
| IRON PIPE         |              |
| BENCH MARK "B"    | ELEV. 233.08 |
| IRON PIPE         |              |

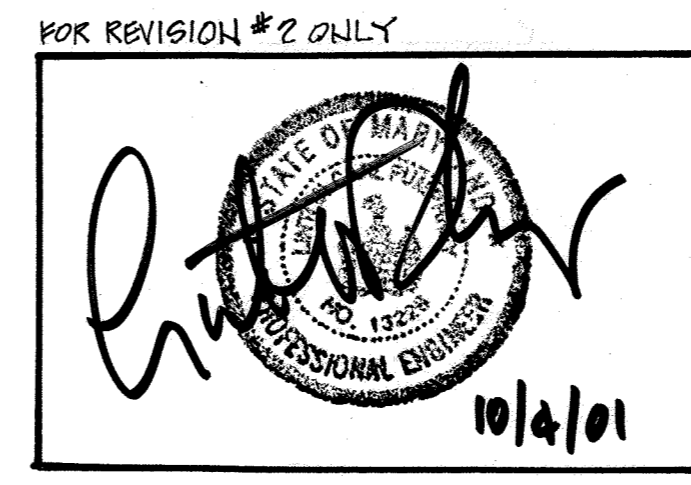
**COORDINATE TABLE**

| NO. | NORTH       | EAST        |
|-----|-------------|-------------|
| 29  | 471862.184  | 855662.251  |
| 31  | 471693.996  | 856137.495  |
| 32  | 472179.961  | 855787.008  |
| 33  | 472293.149  | 855952.490  |
| 34  | 472298.128  | 855960.760  |
| 106 | 472307.192  | 855979.464  |
| 107 | 472302.618  | 855998.575  |
| 108 | 472309.447  | 856142.439  |
| 109 | 472292.161  | 856152.488  |
| 110 | 471987.594  | 856183.093  |
| 111 | 471958.169  | 856177.226  |
| 112 | 471955.239  | 856191.935  |
| 191 | 472132.567  | 853717.909  |
| 193 | 472142.331  | 853732.066  |
| 301 | 472107.9006 | 856216.8599 |
| 302 | 472171.3966 | 855962.5331 |
| 303 | 471943.3950 | 855905.6096 |
| 304 | 471892.9761 | 856107.5577 |
| 305 | 471964.0003 | 856122.3583 |
| 306 | 471948.6648 | 856199.3443 |
| 307 | 472141.4343 | 856082.5442 |
| 308 | 472201.2505 | 856097.4781 |
| 309 | 472232.7303 | 856088.7474 |
| 310 | 472220.2515 | 856040.3803 |
| 311 | 472155.9679 | 856024.3310 |
| 312 | 472213.4252 | 855871.3588 |
| 313 | 472104.5332 | 855945.8398 |
| 314 | 472063.4126 | 855955.5735 |
| 315 | 472091.9098 | 855821.4308 |
| 316 | 472059.2935 | 855777.1759 |
| 317 | 471979.5510 | 855760.7905 |
| 318 | 472018.8270 | 856133.7836 |
| 319 | 472043.3966 | 856131.3146 |
| 320 | 472051.7861 | 856097.3343 |
| 520 | 472161.3239 | 856163.8835 |
| 521 | 472078.4438 | 856173.8404 |
| 522 | 472096.0081 | 856132.3871 |
| 523 | 47214.9637  | 855936.9415 |
| 524 | 472203.0307 | 855926.9303 |
| 525 | 472170.8448 | 855849.2553 |
| 526 | 471937.4286 | 856077.1267 |
| 527 | 471776.9355 | 856129.7480 |
| 528 | 471914.5879 | 856152.8675 |
| 529 | 471913.7527 | 856157.0606 |
| 530 | 471979.8671 | 856159.8897 |
| 531 | 471988.4695 | 856165.8797 |
| 532 | 472075.7330 | 855734.6137 |
| 533 | 472098.9047 | 855755.0731 |

FOR REVISION #5:



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 26920, EXPIRATION DATE: JULY 5, 2023.



FOR REVISION #2 ONLY

|     |  |         |
|-----|--|---------|
| 2   | REV. PUMP FOOTPRINT AND RELOCATE PUMP/TECH TRASH BIN                     | 10/2/01 |
| 7   | REMOVE TO UNDERGROUND FUEL STORAGE TANK AND RELOCATE PUMP/TECH TRASH BIN | 9/13/99 |
| NO. | REVISION   | DATE    |

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: [Signature] DATE: 6/22/99

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
DIRECTOR: [Signature] DATE: 6/22/99

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: [Signature] DATE: 6/16/99

CHIEF, BUREAU OF ENGINEERING

OWNER / DEVELOPER  
ROLLINS LEASING CORP.  
ONE ROLLINS PLAZA  
P.O. BOX 1791  
WILMINGTON, DE. 19899  
TELEPHONE: (302) 426-2700

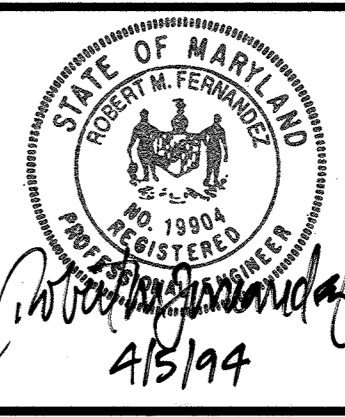
|                       |           |              |               |
|-----------------------|-----------|--------------|---------------|
| SUBDIVISION NAME      |           | SECTION/AREA | PARCEL NUMBER |
| ROLLINS LEASING CORP. |           | N/A          | 104           |
| DEED                  | BLOCK NO. | ZONE         | TAX/ZONE      |
| 2907/916              | 13        | M-2          | 48            |
| ELECT. DIST.          |           | CENSUS TR.   |               |
| 6TH                   |           | 6069.02      |               |
| WATER CODE            |           | SEWER CODE   |               |
| C 04                  |           | 4110000      |               |

**SITE DEVELOPMENT PLAN  
DIMENSION & PAVEMENT PLAN  
ROLLINS LEASING CORP.  
TRUCK FACILITY**

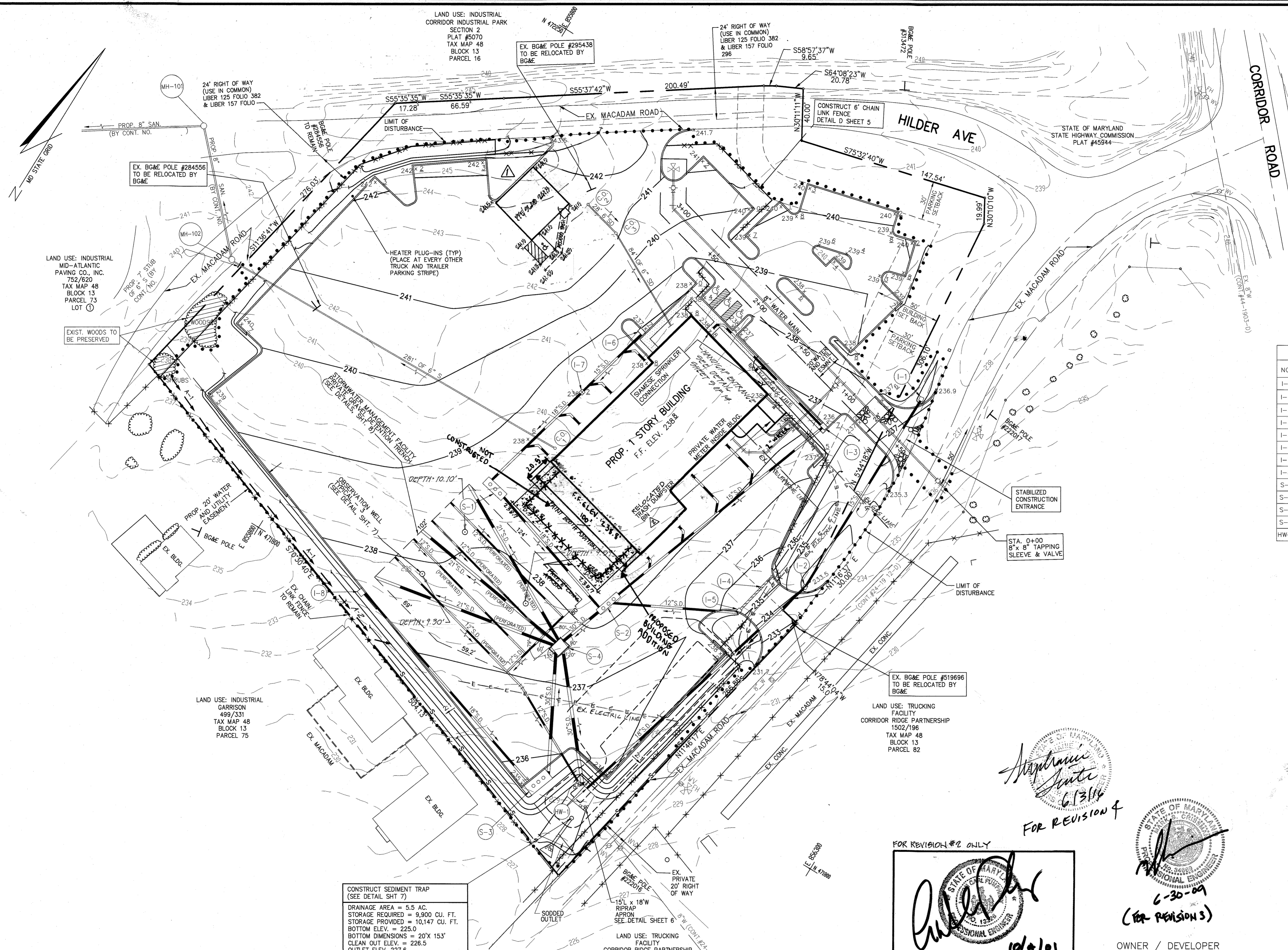
TAX MAP 48 PARCEL 104  
6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS - PLANNERS - SURVEYORS

90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-6000



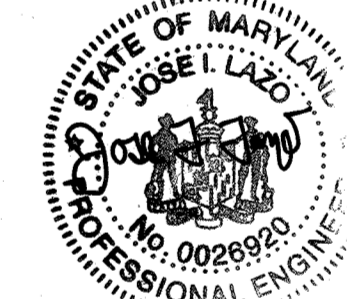
DESIGN BY: T.C.B.  
DRAWN BY: J.E.H.  
CHECKED BY: R.M.F.  
DATE: MARCH 31, 1994  
SCALE: 1" = 40'  
W.O. NO.: 05-93-003A



| STORM DRAIN STRUCTURE SCHEDULE |                    |                         |   |  |
|--------------------------------|--------------------|-------------------------|---|--|
| NO.                            | TYPE               | LOCATION                | REMARKS   |  |
| I-1                            | TYPE 'D' INLET     | 856182.2651 472152.3486 | HOW. CO. STD. SD 4.11                                 |  |
| I-2                            | TYPE 'D' INLET     | 856182.3998 471982.2410 | HOW. CO. STD. SD 4.11                                 |  |
| I-3                            | TYPE A-5 INLET     | -                       | HOW. CO. STD. SD 4.40                                 |  |
| I-4                            | TRENCH DRAIN       | -                       | POLYDRAIN GRATE #334E & CHANNEL #300 WITH POLYWALL II |  |
| I-5                            | CATCH BASIN        | 856148.6049 471940.0939 | POLYDRAIN #611 CATCH BASIN                            |  |
| I-6                            | TYPE A-5 INLET     | -                       | HOW. CO. STD. SD 4.40                                 |  |
| I-7                            | SINGLE WR-INLET    | 855957.2377 472019.3915 | HOW. CO. STD. SD 4.37                                 |  |
| I-8                            | TYPE A-5 INLET     | 855894.7129 471801.9845 | HOW. CO. STD. SD 4.40                                 |  |
| S-1                            | OIL/GRIT SEPARATOR | 855939.1861 471921.0920 | DETAIL SHT. 6   |  |
| S-2                            | OIL/GRIT SEPARATOR | 856060.0267 471892.0315 | DETAIL SHT. 6   |  |
| S-3                            | OIL/GRIT SEPARATOR | -                       | DETAIL SHT. 6   |  |
| S-4                            | MODIFIED MANHOLE   | 856045.9541 471843.6071 | DETAIL SHT. 7   |  |
| HW-1                           | MODIFIED HEADWALL  | -                       | MSHA STD. MD-362.01                                   |  |

\* OPENING ON NORTH SIDE  
 NOTE: THE COORDINATE LOCATION SHOWN FOR I-8 IS AT THE CENTER OF THE THROAT OPENING ALONG THE PROPOSED FACE OF CURB. ALL OTHER COORDINATE LOCATIONS REFER TO THE CENTER OF THE STRUCTURE.  
 P.S. DENOTES DOWNSPOUTS

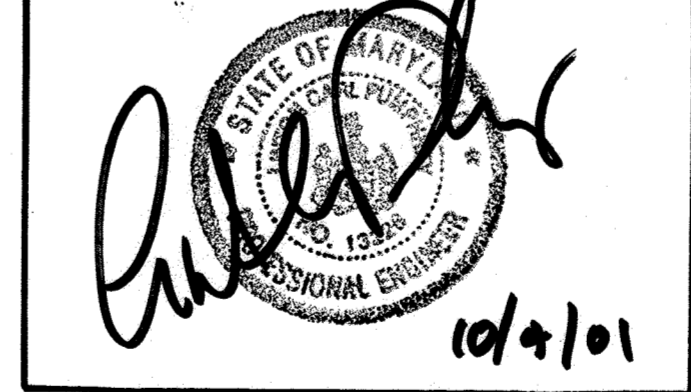
FOR REVISION #5:



PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 26920, EXPIRATION DATE: JULY 9, 2023

*Signature*  
 6/13/14  
 FOR REVISION #4

FOR REVISION #2 ONLY



*Signature*  
 6-30-09  
 (FOR REVISION 3)

OWNER / DEVELOPER  
 ROLLINS LEASING CORP.  
 ONE ROLLINS PLAZA  
 P.O. BOX 1791  
 WILMINGTON, DE. 19899  
 TELEPHONE: (302) 426-2700

CONSTRUCT SEDIMENT TRAP (SEE DETAIL SHT 7)  
 DRAINAGE AREA = 5.5 AC.  
 STORAGE REQUIRED = 9,900 CU. FT.  
 STORAGE PROVIDED = 10,147 CU. FT.  
 BOTTOM ELEV. = 225.0  
 BOTTOM DIMENSIONS = 20' X 153'  
 CLEAN OUT ELEV. = 226.5  
 OUTLET ELEV. 227.6  
 BARREL DIAMETER = 24", RISER = 36"  
 EMBANKMENT ELEV. = 232.5  
 SIDE SLOPES = 2:(MAX) FILL 1:1 CUT  
 OUTFALL CONDITION = UNDISTURBED  
 SEE SEDIMENT TRAP GRADING DETAIL, SHEET 7

| NO. | REVISION  | DATE    |
|-----|---|---------|
| 2   | REV. BLDG. FOOTPRINT AND RELOCATED TRASH ENCLOSURE                | 10/2/01 |
| 1   | ADJUSTED TO INTERFERING WITH STORAGE TANK AND PAVING COORDINATION | 9/13/94 |

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 DIRECTOR DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 DIRECTOR DATE

APPROVED: CHIEF, BUREAU OF ENGINEERING DATE

| SUBDIVISION NAME      |           | SECTION/AREA | PARCEL NUMBER |              |            |
|-----------------------|-----------|--------------|---------------|--------------|------------|
| ROLLINS LEASING CORP. |           | N/A          | 104           |              |            |
| DEED                  | BLOCK NO. | ZONE         | TAX/ZONE      | ELECT. DIST. | CENSUS TR. |
| 2907/316              | 13        | M-2          | 48            | 6 TH         | 6069.02    |
| WATER CODE            |           | SEWER CODE   |               |              |            |
| C 04                  |           | 4110000      |               |              |            |

I HEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE "AS-BUILT" PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.  
*Signature* 6/6/95  
 PROFESSIONAL ENGINEER

ENGINEERS CERTIFICATE  
 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.  
*Signature* 4/15/94  
 SIGNATURE OF ENGINEER DATE

DEVELOPER'S CERTIFICATE  
 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.  
*Signature* 4/25/94  
 SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
*Signature*  
 S. SOIL CONSERVATION SERVICE DATE  
 THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
*Signature* 4/16/94  
 APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE

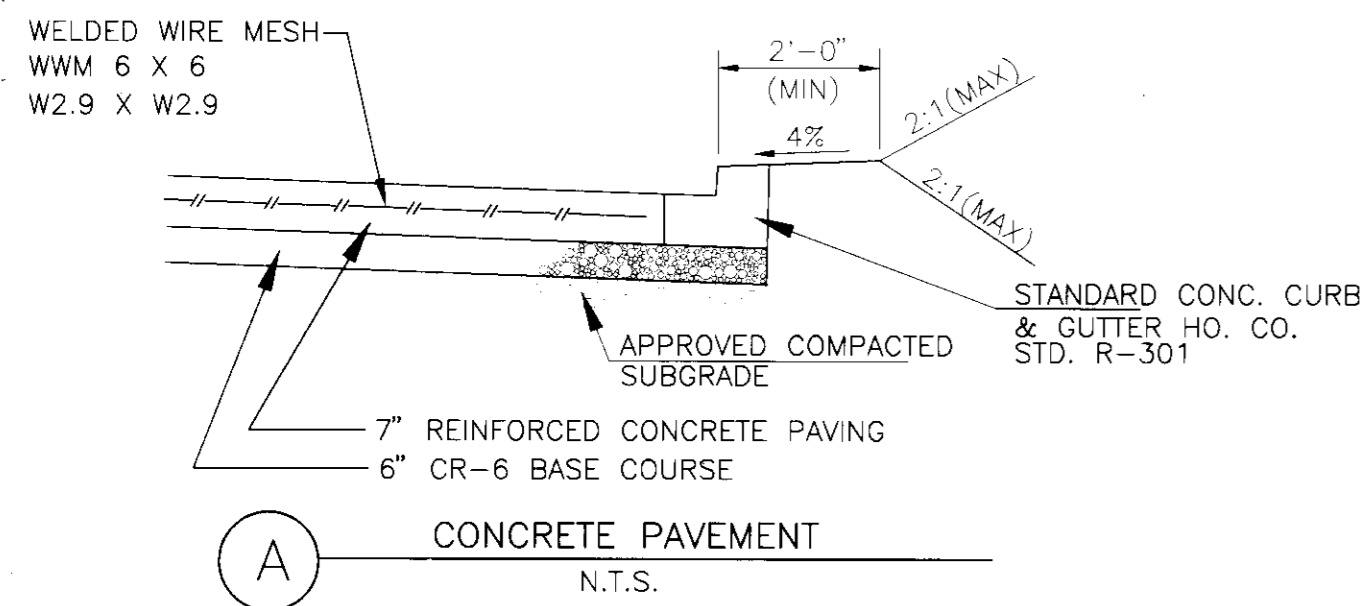
| NO. | REVISION   | DATE         |
|-----|--|--------------|
| 5   | BUILDING ADDITION 3 REVISE SOURCE FOOTAGE OF BUILDING  | JUL 08/29/21 |
| 4   | REMOVE REMOVAL OF CURB & GRAD REPAIR AND REPAIR OF A PAVED AREA  | 8/11 08/16   |
| 3   | REVISE TO ADD BENCH ADDITIONAL 20% REPAIR & REVISE ASSOC. GRADING AND SHOW EXISTING TRENCH LOCATIONS AND RELOCATIONS | 6/30/09      |

GRADING & UTILITY PLAN  
 ROLLINS LEASING CORP.  
 TRUCK FACILITY  
 TAX MAP 48 PARCEL 104  
 6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS - PLANNERS - SURVEYORS  
 90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-6000

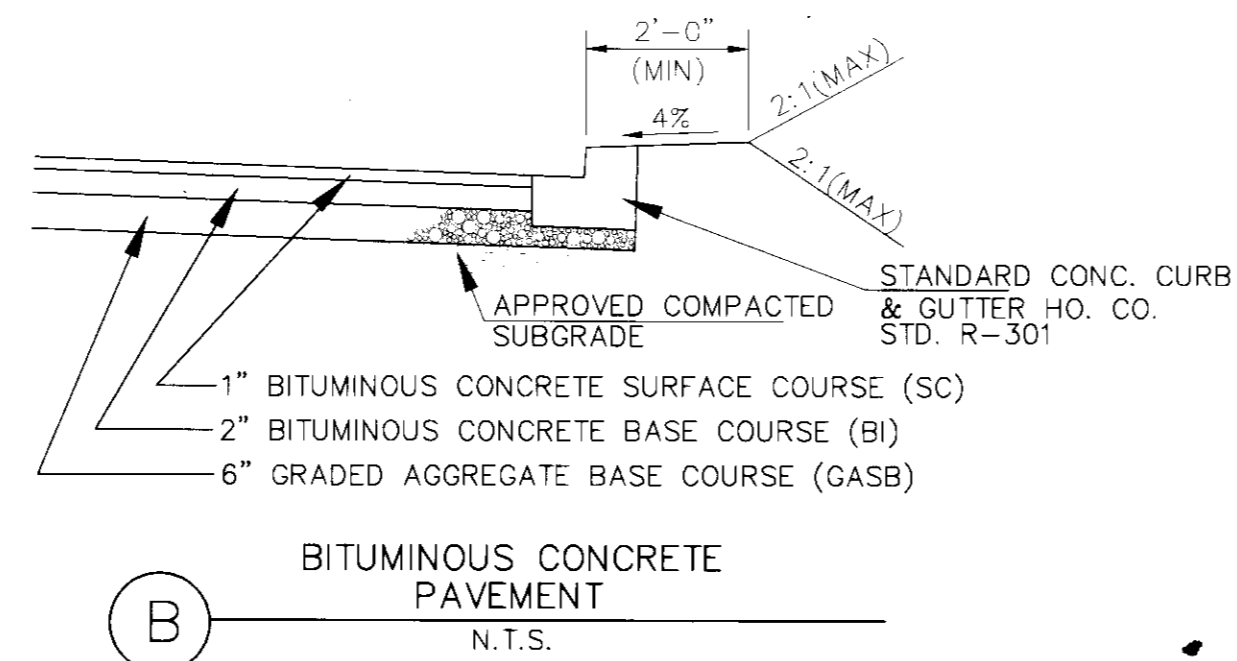
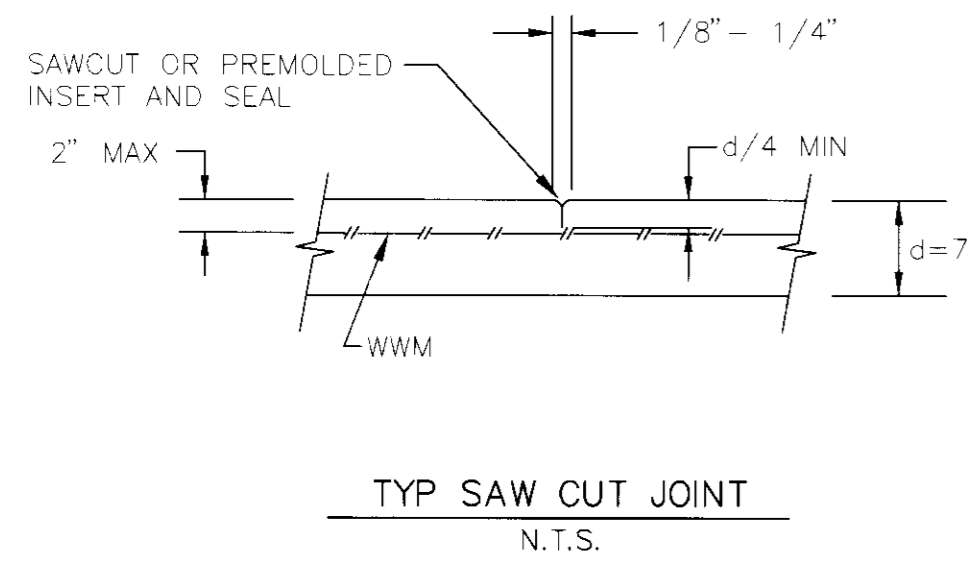
DESIGN BY: T.C.B.  
 DRAWN BY: J.E.H.  
 CHECKED BY: RMF  
 DATE: MARCH 31, 1994  
 SCALE: 1" = 40'  
 W.O. NO.: 95-93-003A  
 4 SHEET OF 14

NOTE:  
PAVEMENT SECTIONS BASED ON REPORT OF  
SUBSURFACE INVESTIGATION & GEOTECHNICAL  
ENGINEERING ANALYSIS PREPARED BY ENGINEERING  
CONSULTING SERVICES, LTD. DATED OCTOBER  
29, 1993.



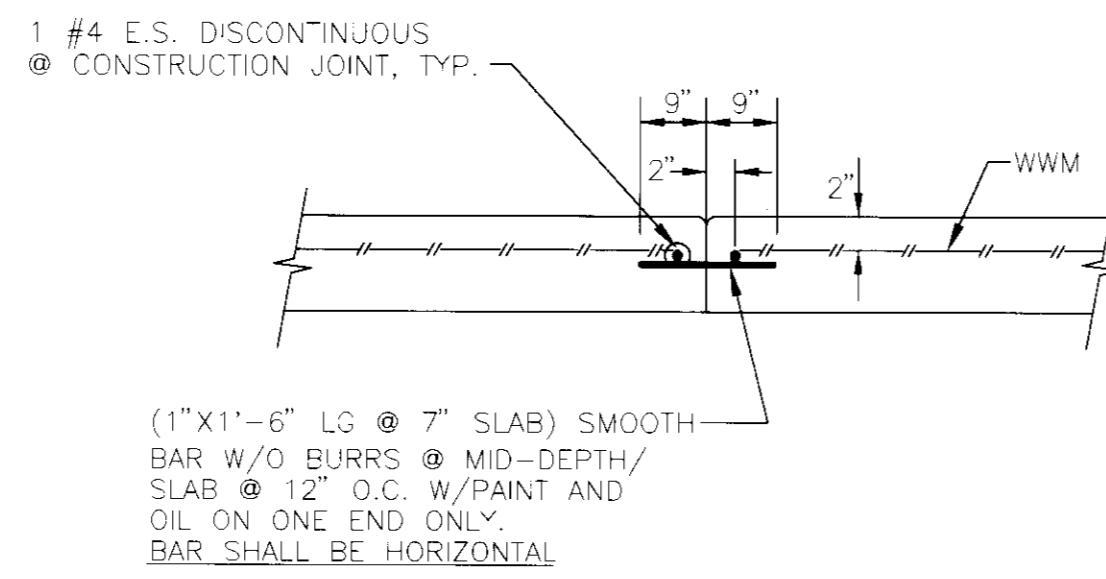
NOTES:

1. MINIMUM COMPRESSIVE STRENGTH  $f_c=3000$  PSI  
MINIMUM CONC. MODULUS OF RUPTURE=600 PSI
2. SUBGRADE CONSISTS OF TOP FOOT OF SOIL  
COMPACTED TO 95 PERCENT OF THE MAXIMUM  
DRY DENSITY OBTAINED BY THE MODIFIED  
PROCTOR METHOD (ASTM D-1557).
3. USE DOWELLED CONSTRUCTION JOINTS WHERE  
APPLICABLE.
4. WELDED WIRE MESH SIZE IS BASED ON A 20'  
JOINT SPACING.



NOTE:

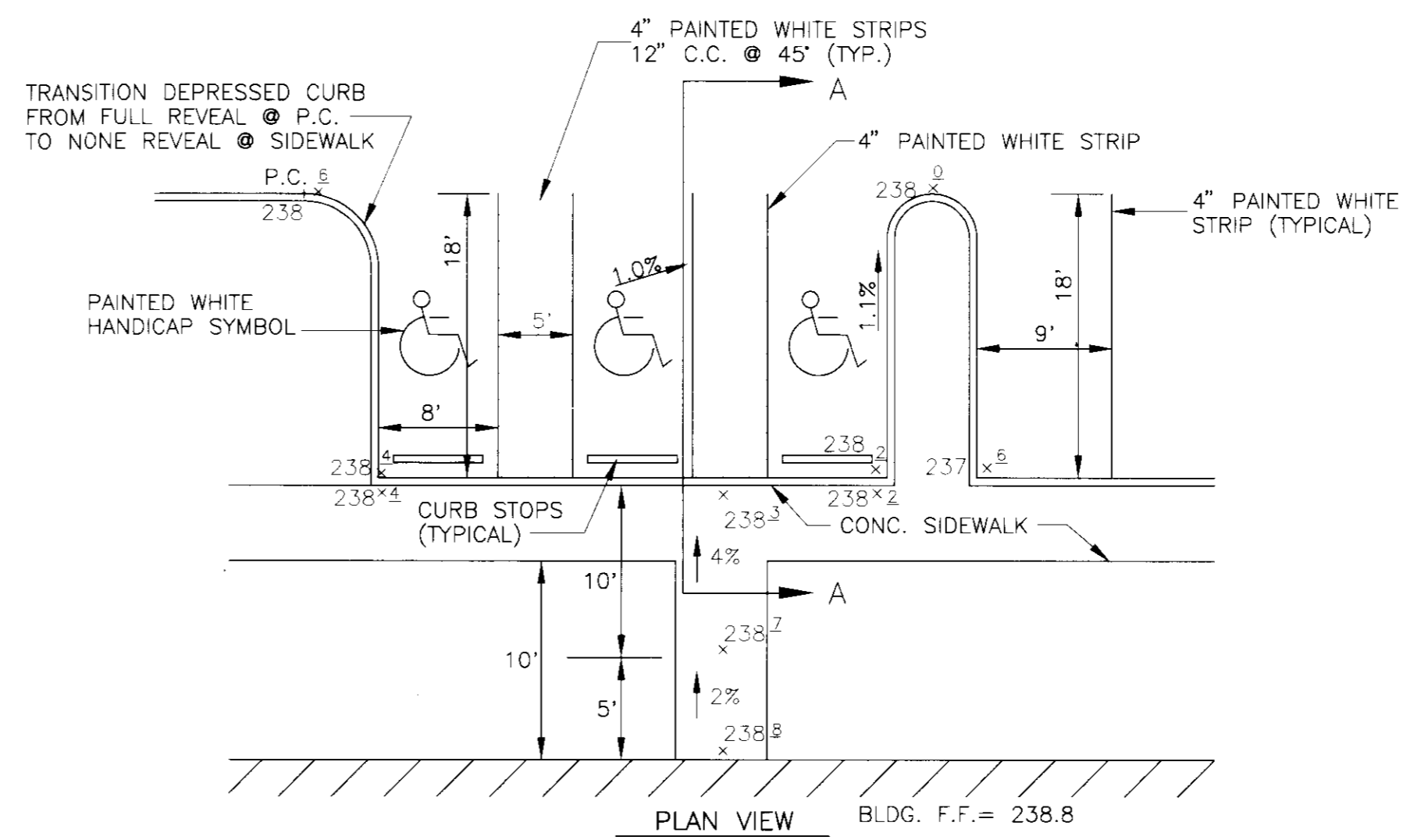
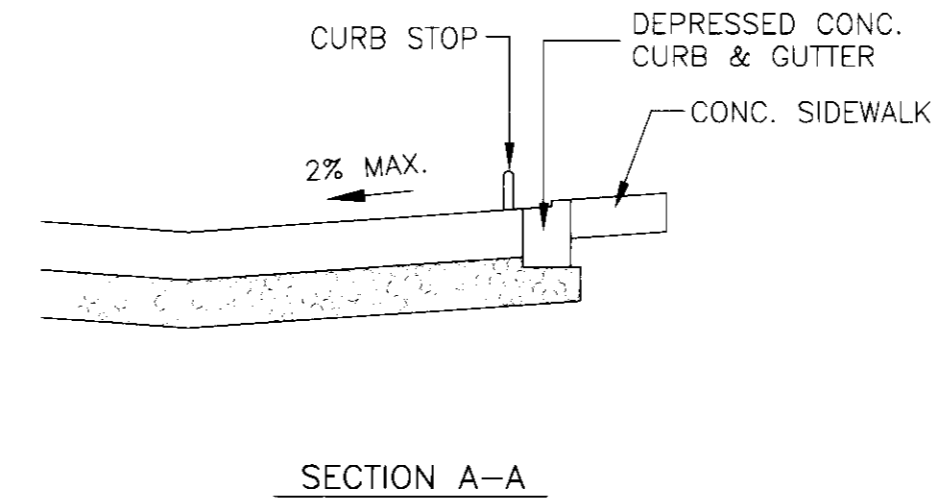
1. SUBGRADE CONSISTS OF TOP FOOT OF SOIL  
COMPACTED TO 95 PERCENT OF THE MAXIMUM  
DRY DENSITY OBTAINED BY THE MODIFIED  
PROCTOR METHOD (ASTM D-1557).



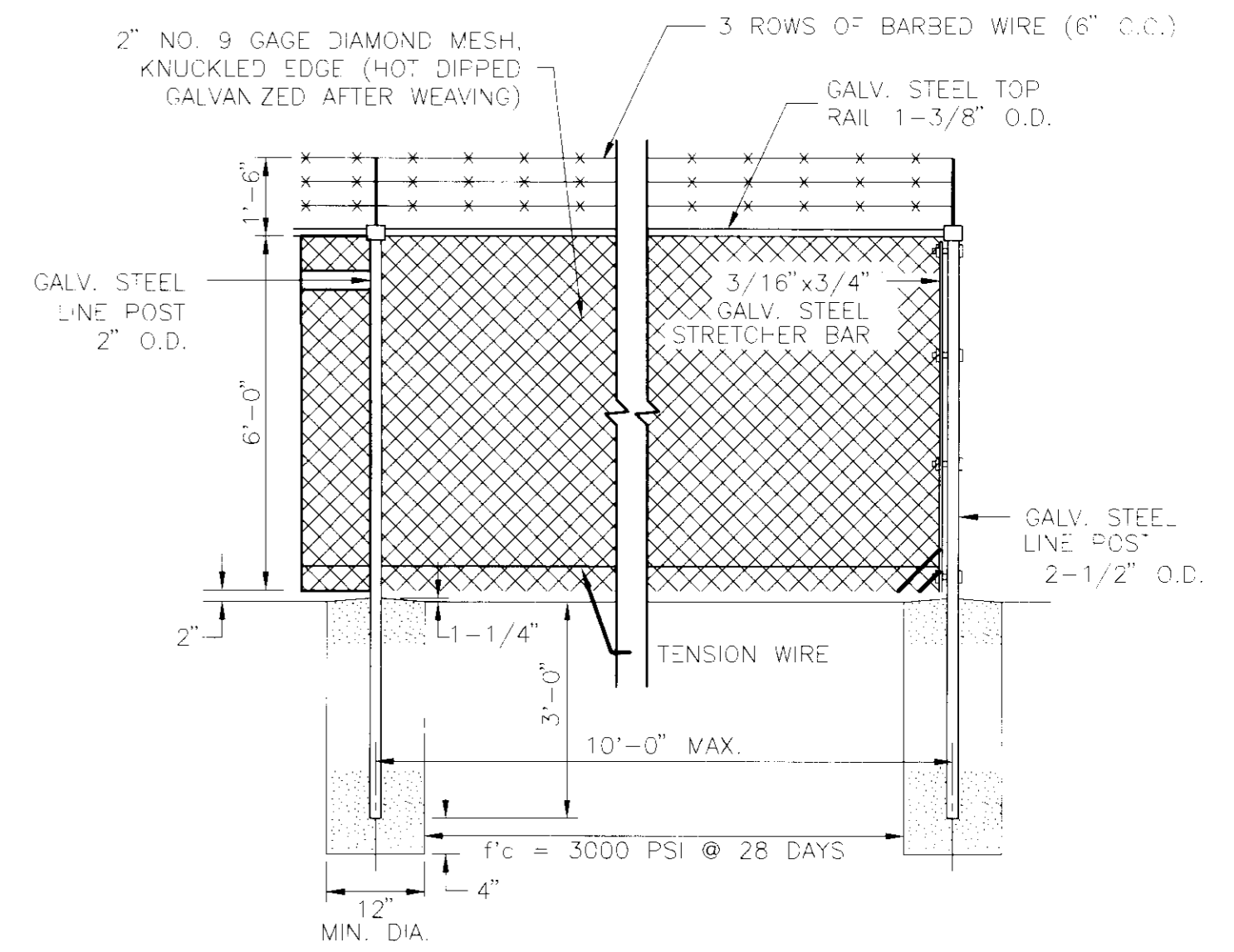
NOTE:

- SLAB REINFORCING SHALL BE TERMINATED AT JOINT.  
DO NOT PLACE REINFORCING UNDER JOINT.

TYP. CONSTRUCTION JOINT SECTION  
N.T.S.



PARKING SPACE DETAIL  
N.T.S.



NOTE:

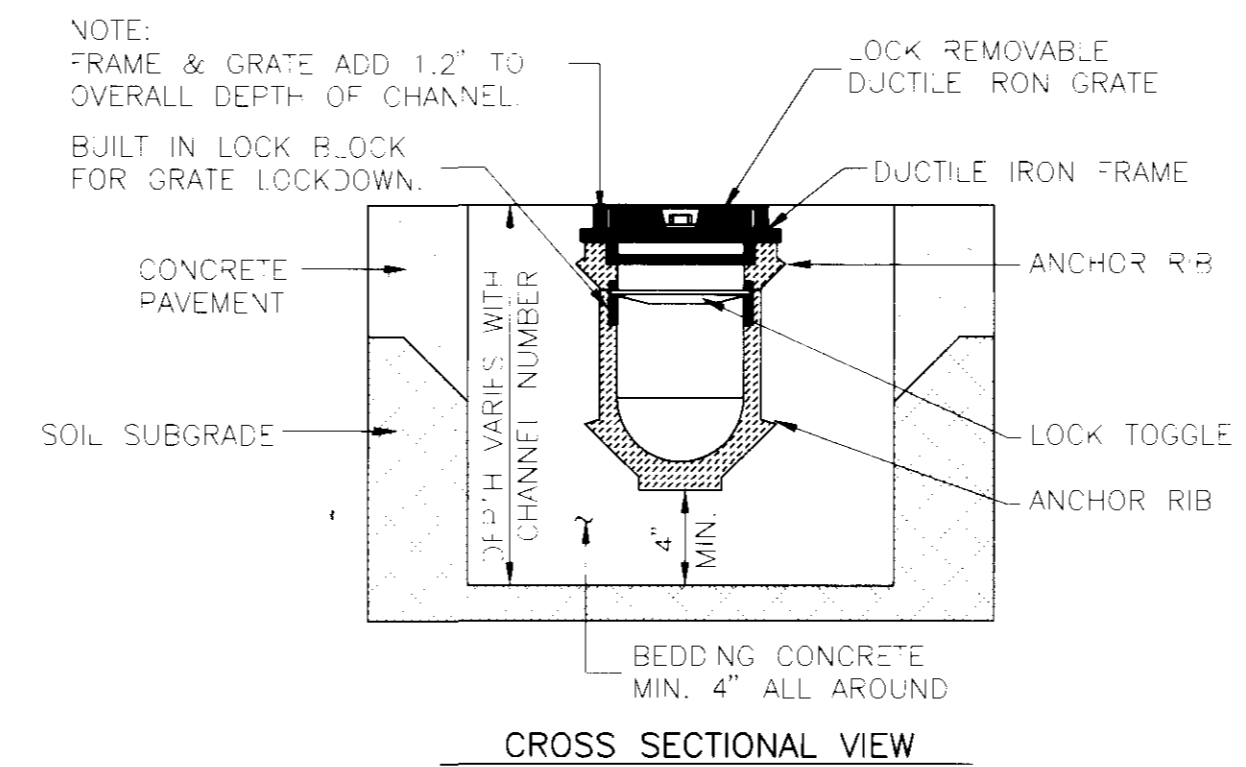
- GALVANIZING TO BE DONE IN ACCORDANCE WITH AASHTO M-181.

CHAIN LINK FENCE DETAIL  
NOT TO SCALE

GENERAL NOTES FOR STORM DRAIN CONSTRUCTION

1. ALL STORM DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH THE LATEST EDITION OF THE GENERAL SPECIFICATIONS OF HOWARD COUNTY, AND MD. S.H.A.
2. PIPE LENGTHS AND LOCATIONS ARE TO BE DETERMINED IN THE FIELD BEFORE ORDERING.
3. INFORMATION CONCERNING EXISTING UNDERGROUND UTILITIES WAS OBTAINED FROM AVAILABLE RECORDS. THE CONTRACTOR SHALL DETERMINE THE EXACT LOCATION AND ELEVATION OF ALL MAINS BY DIGGING TEST PITS BY HAND AT ALL PROPOSED UTILITY CROSSINGS. IN ADVANCE OF TRENCHING, IF ANY CLEARANCE DISTANCE IS LESS THAN TWELVE (12) INCHES, CONTACT THE ENGINEER BEFORE PROCEEDING WITH CONSTRUCTION.
4. NORMAL WEIGHT OF CONC. SHALL BE MIN.  $f_c=5000$  P.S.I. COMPRESSIVE STRENGTH AT 28 DAYS.
5. ALL REINFORCEMENT SHALL CONFORM TO ASTM 615 GRADE 60.
6. MINIMUM ALLOWABLE SOIL PRESSURE = 2000 P.S.I..
7. TYPICAL 3\"/>

POLYDRAIN DUCTILE IRON ANCHOR  
FRAME AND SLOTTED GRATE PART NO. 513AF  
OR APPROVED EQUAL

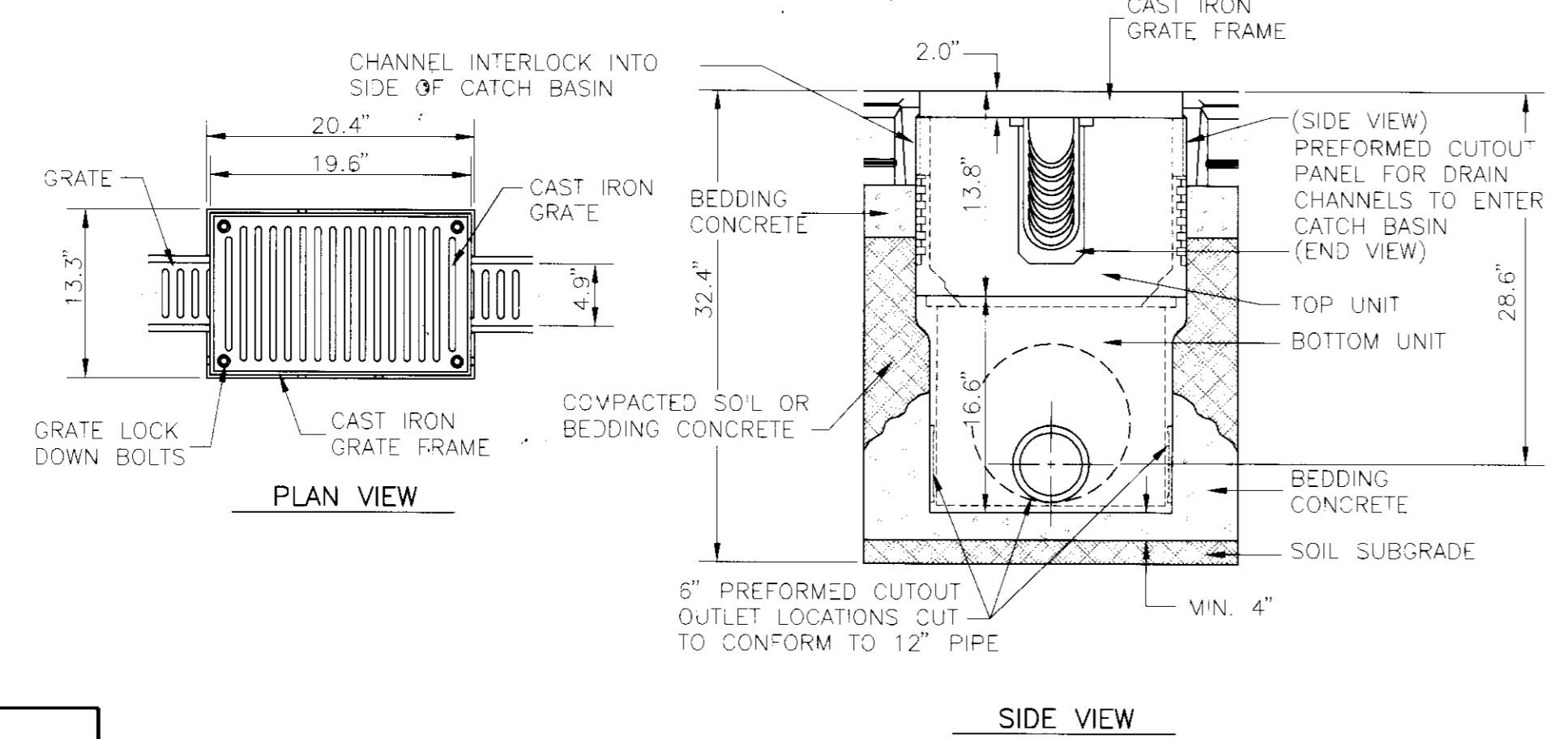


TRENCH DRAIN DETAIL - STRUCTURE 1-4  
NOT TO SCALE



HANDICAP PARKING SIGN DETAIL  
N.T.S.

POLYDRAIN LARGE CATCH BASIN  
PART NO. 610  
OR APPROVED EQUAL



CATCH BASIN DETAIL - STRUCTURE 1-5  
NOT TO SCALE

|  |   |
|--|---|
| <p>REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.</p> <p>U.S. SOIL CONSERVATION SERVICE DATE</p> <p>THIS DEVELOPMENT IS APPROVED FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT</p> <p>APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE</p> | <p>APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS<br/>HOWARD COUNTY HEALTH DEPARTMENT</p> <p>COUNTY HEALTH OFFICER DATE</p> <p>APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING</p> <p>DIRECTOR DATE</p> <p>CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE</p> <p>APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS</p> <p>HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS</p> <p>DIRECTOR DATE</p> <p>CHIEF, BUREAU OF ENGINEERING DATE</p> |
|--|---|

|                       |              |               |
|-----------------------|--------------|---------------|
| SUBDIVISION NAME      | SECTION/AREA | PARCEL NUMBER |
| ROLLINS LEASING CORP. | N/A          | 104           |
| DEED                  | BLOCK NO.    | ZONE          |
| 2907/316              | 13           | M-2           |
| TAX/ZONE              | ELECT. DIST. | CENSUS TR.    |
| 48                    | 6 TH         | 6069.02       |
| WATER CODE            | SEWER CODE   |               |
| C 04                  | 4110000      |               |

**PAVING AND STORM DRAIN DETAILS**

ROLLINS LEASING CORP.  
TRUCK FACILITY

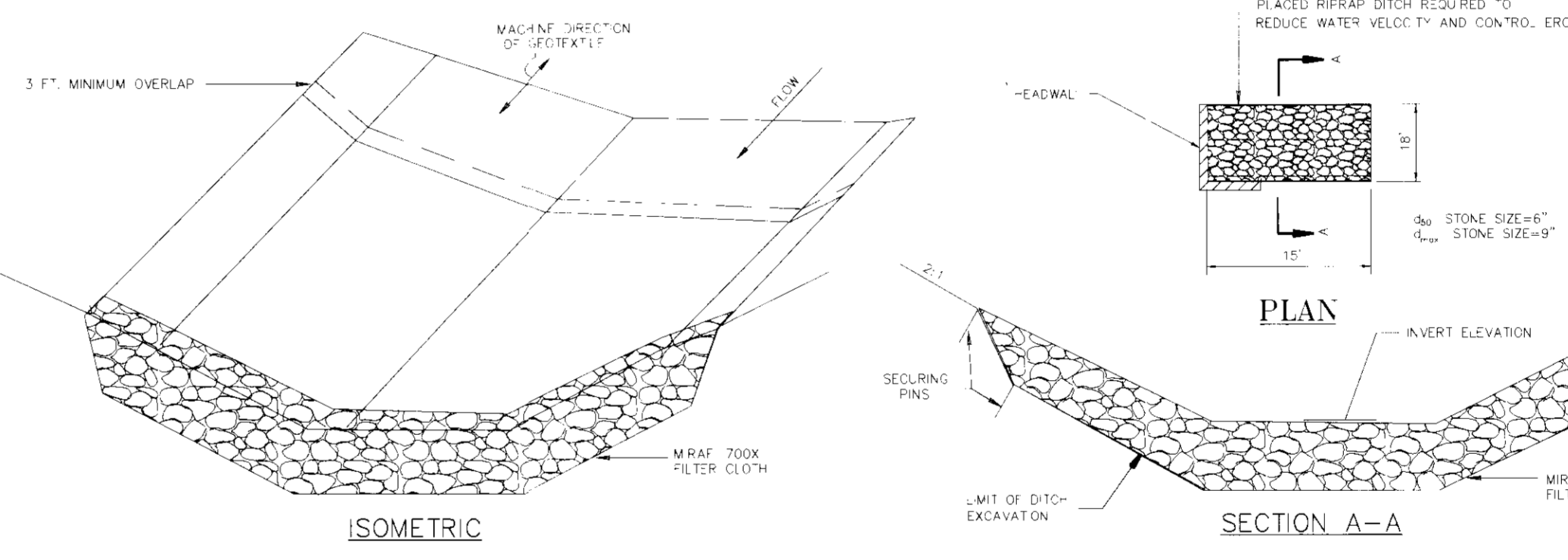
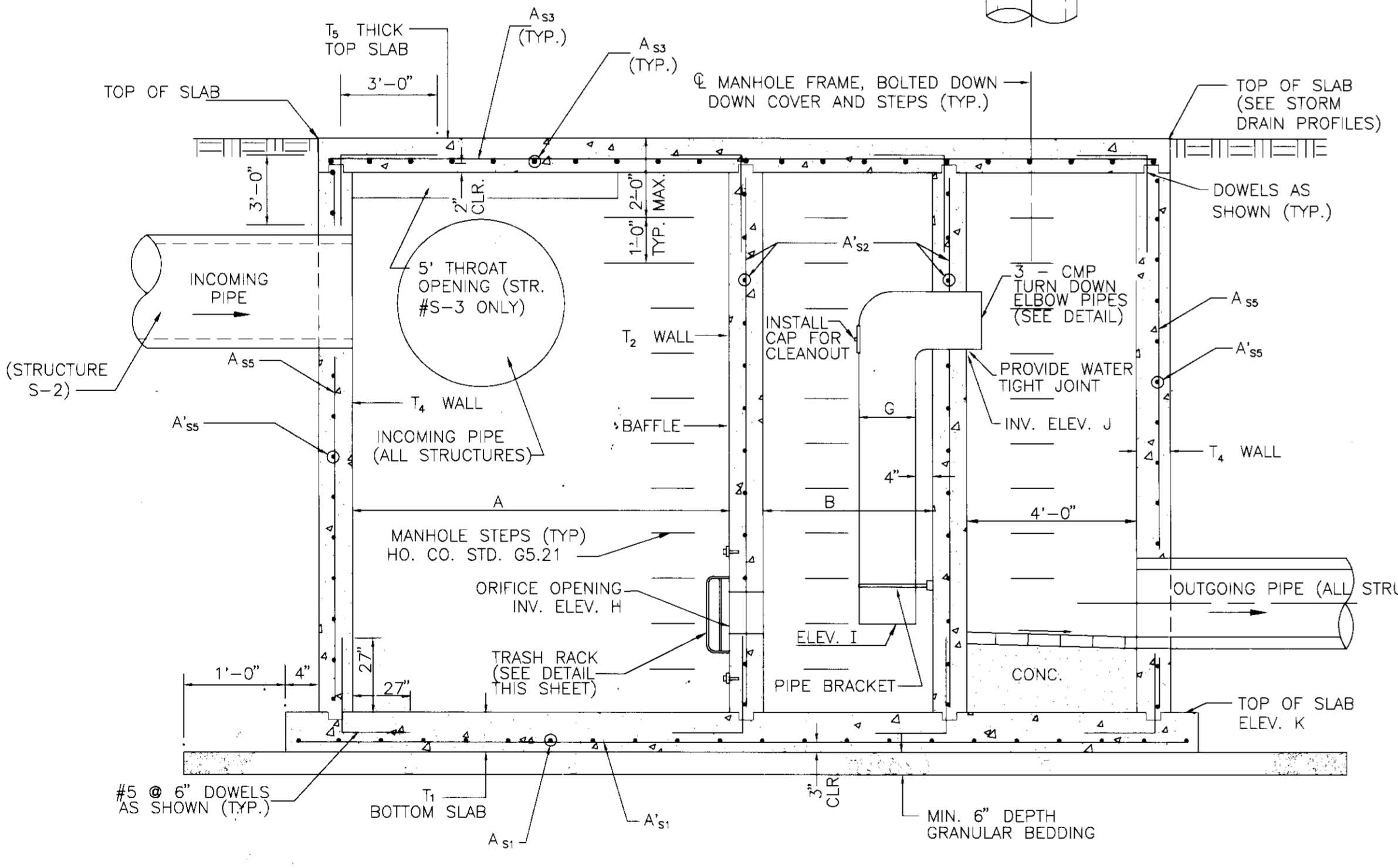
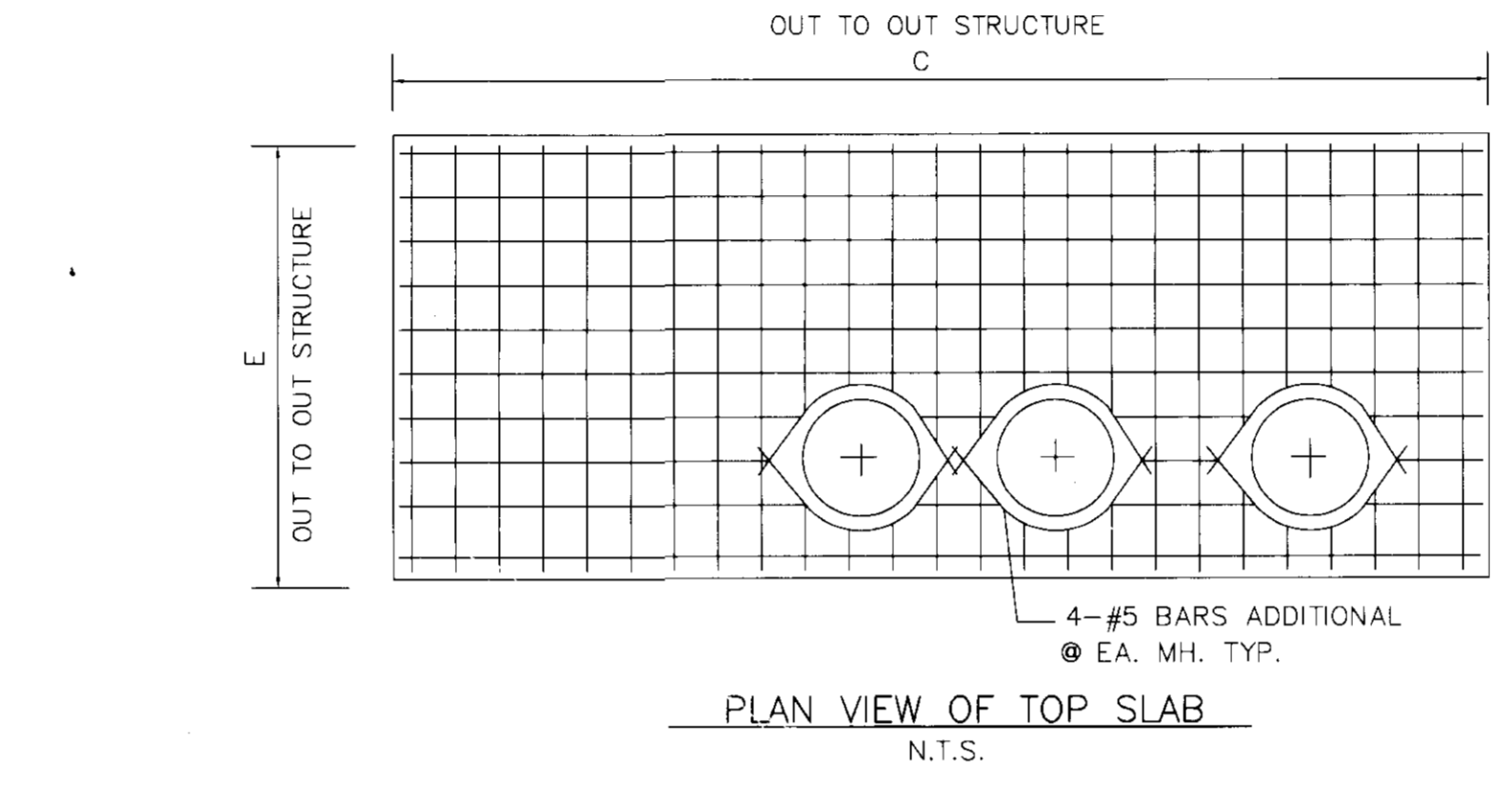
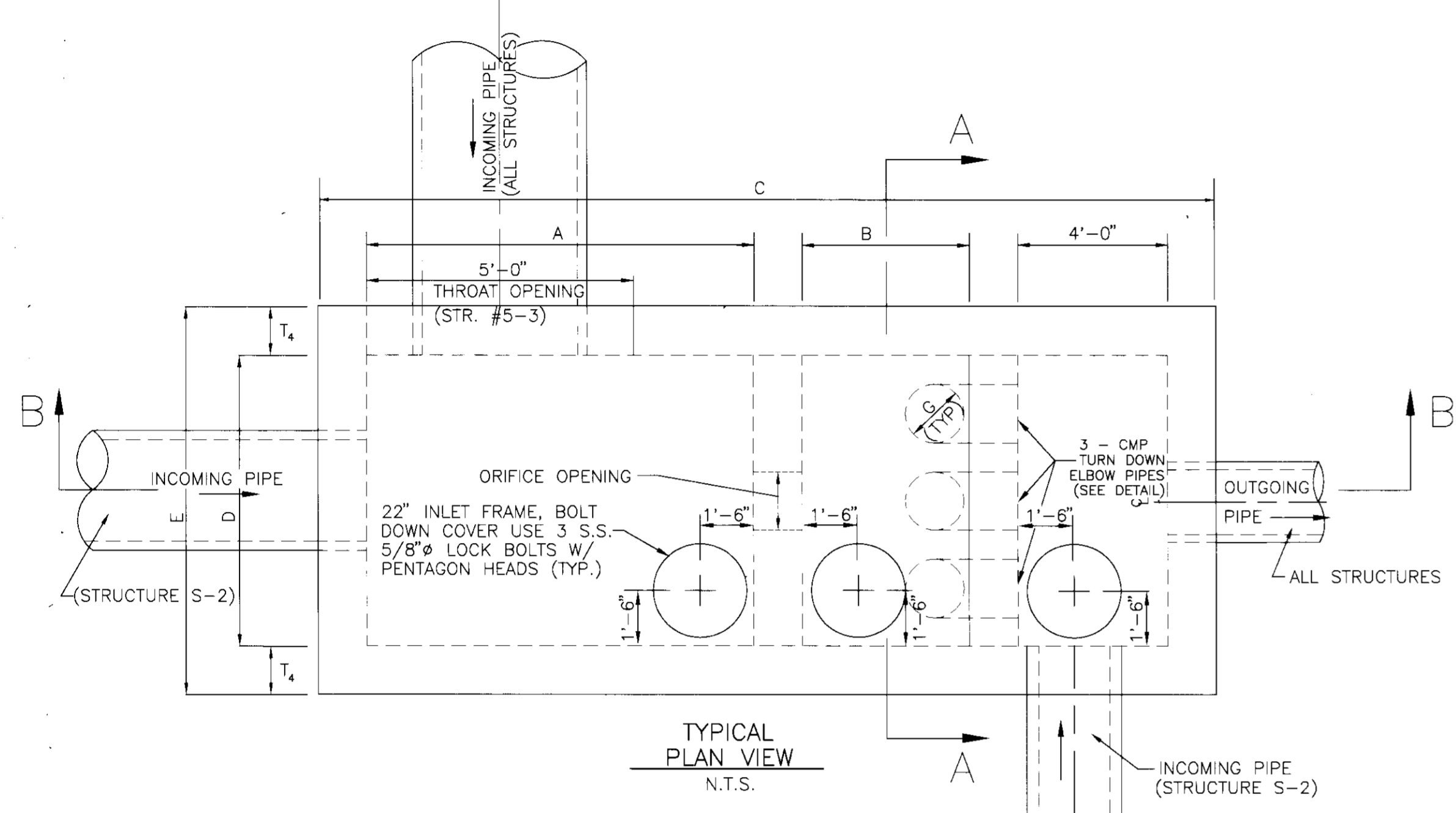
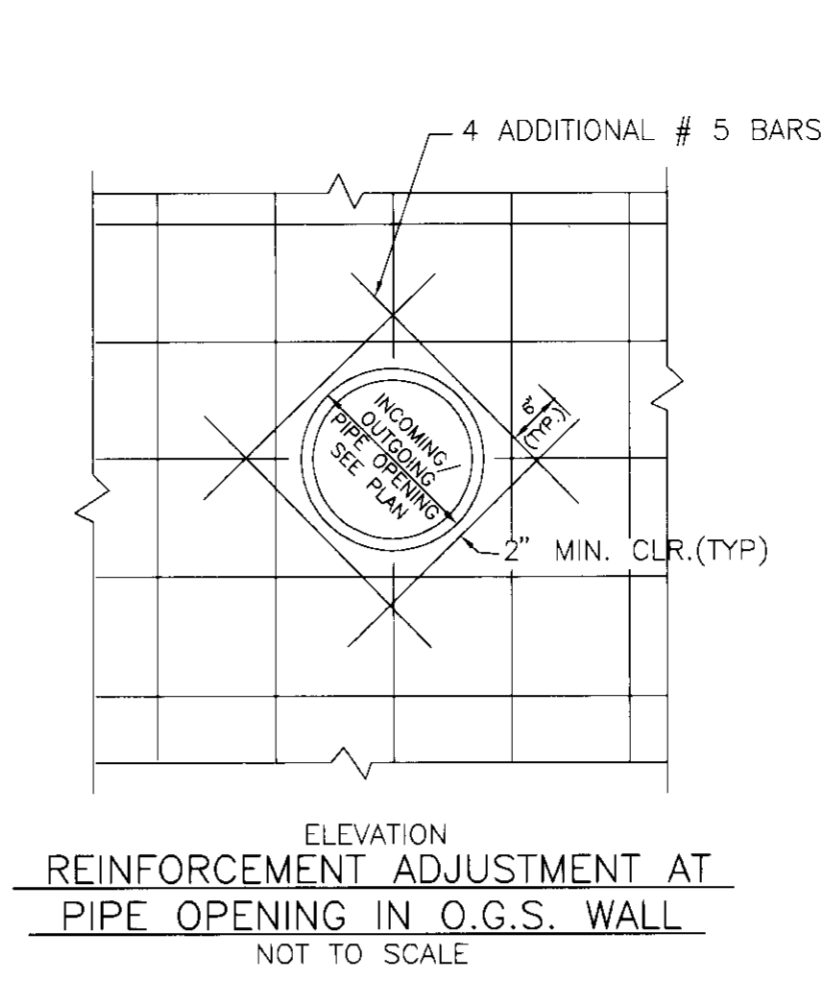
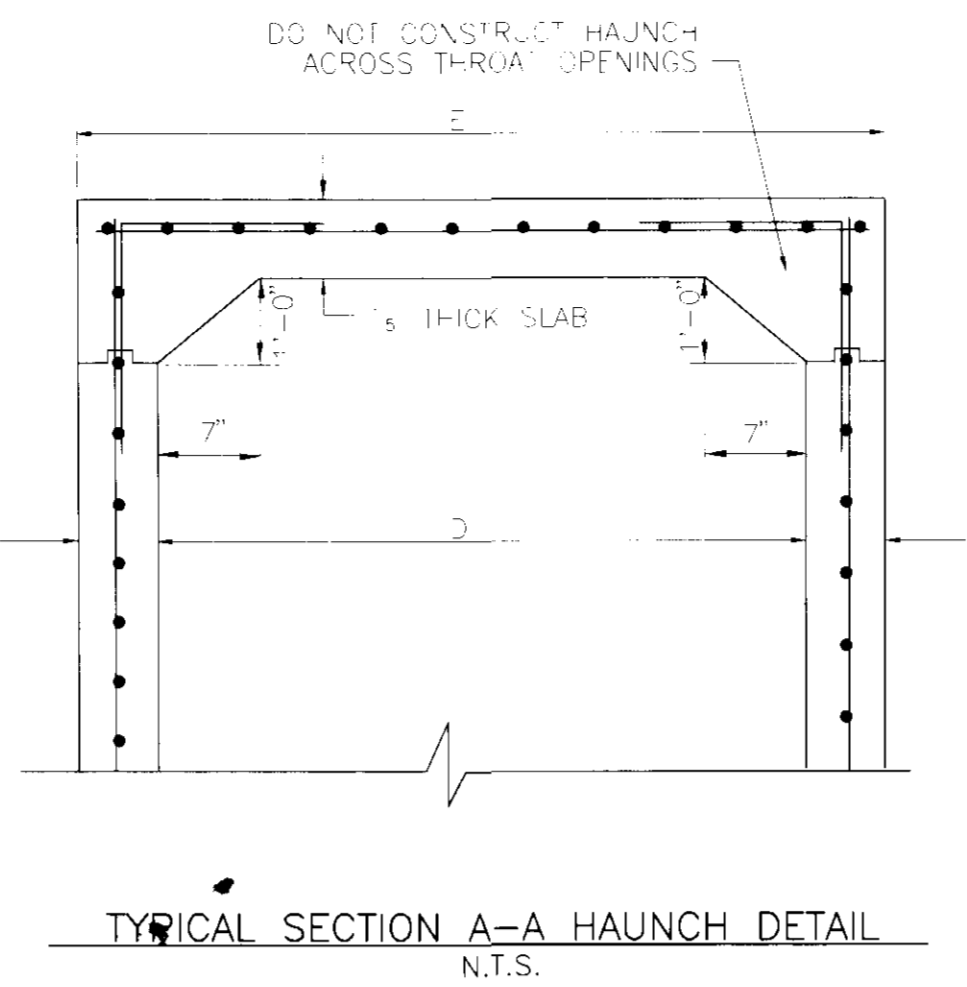
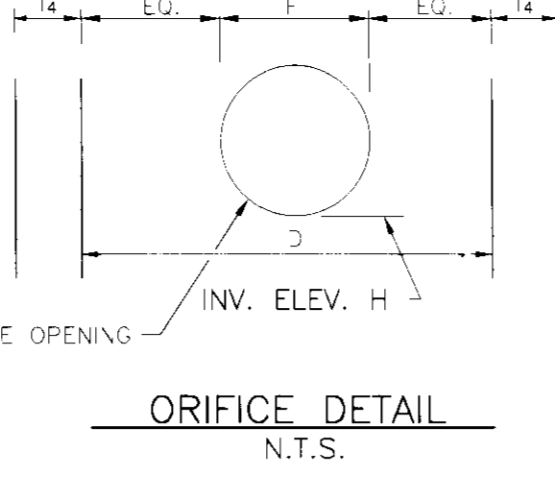
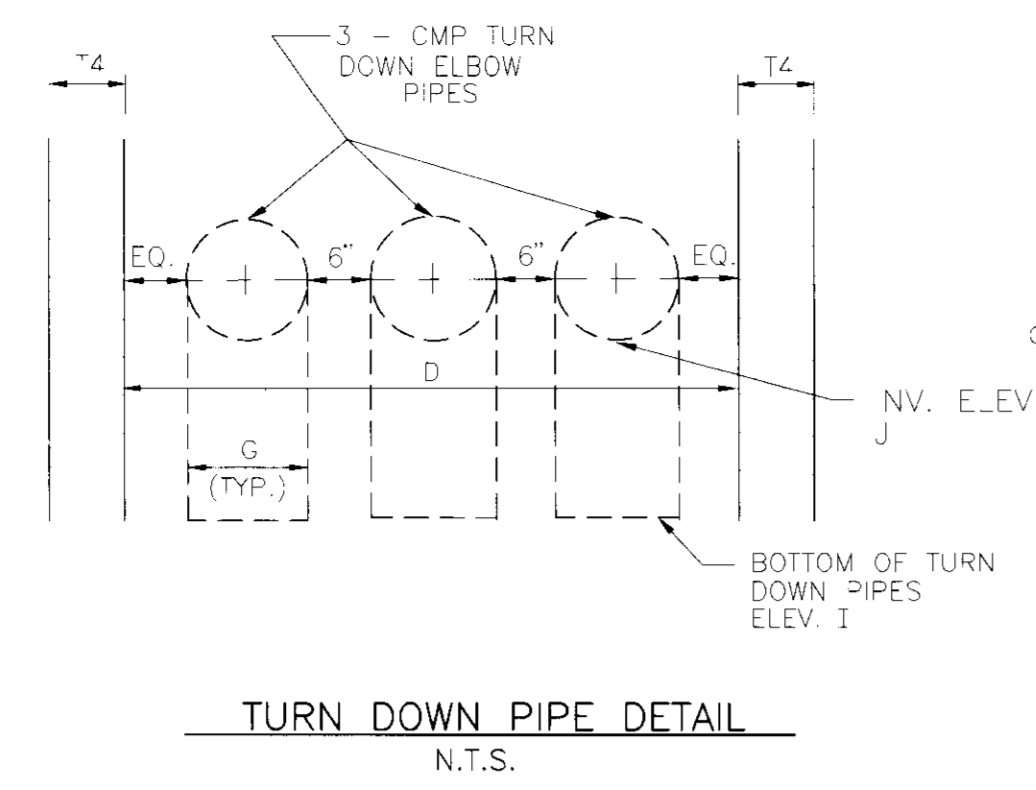
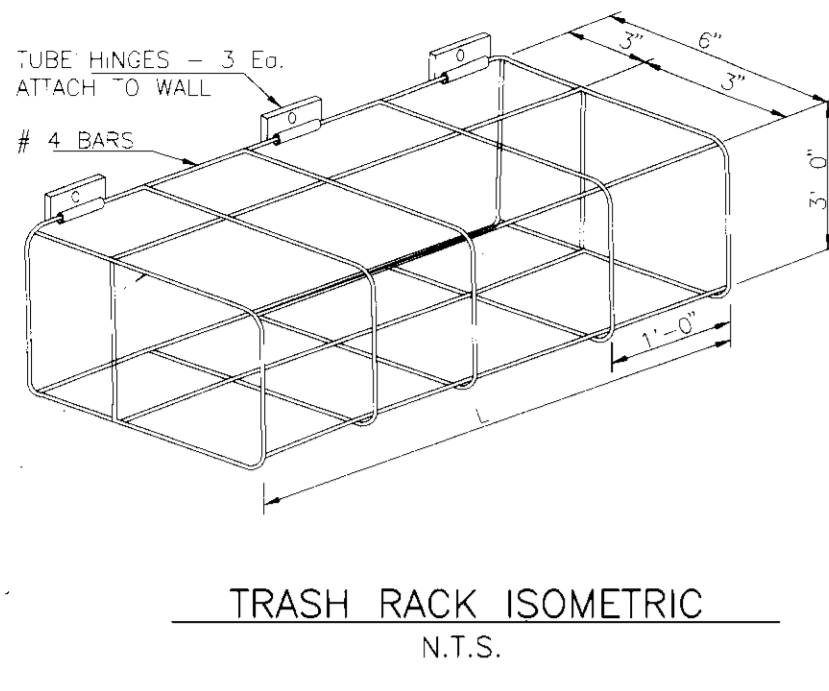
TAX MAP 48 PARCEL 104  
6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS - PLANNERS - SURVEYORS

90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-8000

|                      |                     |
|----------------------|---------------------|
| DESIGN BY: T.C.B.    |                     |
| DRAWN BY: M.J.D.     |                     |
| CHECKED BY: R.M.F.   |                     |
| DATE: MARCH 31, 1994 |                     |
| SCALE: NONE          | <p>5 SHEET OF 4</p> |
| W.O. NO.: 05-93-003A |                     |

FILE: PAVE-SUBDING



- OIL/GRIT SEPARATOR NOTES**
- GENERAL NOTES:
    - A. USE CAST-IN-PLACE OR PRE-CAST CONCRETE FOR WALLS.
    - B. REFER TO HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR MATERIAL AND METHODS OF CONSTRUCTION.
    - C. WALL THICKNESS SHALL BE AS FOLLOWS:
      - MINIMUM OF 8 INCHES THICK FOR THE FIRST 8'-0" DEPTH, 12-INCH THICK WALLS BETWEEN 8'-0" AND 12'-0" OF DEPTH AND 16 INCH THICK WALLS FOR DEPTH GREATER THAN 12'-0". VARIATIONS IN THICKNESS CAN BE ACCEPTED IF STRUCTURAL COMPUTATIONS ARE CERTIFIED BY A MARYLAND PROFESSIONAL ENGINEER. DEPTH TO BE MEASURED FROM TOP OF TOP SLAB TO BOTTOM OF BOTTOM SLAB.
    - D. USE CONCRETE WITH FC = 4000 PSI AT 28 DAYS FOR CAST IN PLACE, FC = 5000 FOR PRE-CAST.
    - E. ALL STRUCTURES MUST HAVE SHOP DRAWINGS APPROVED AND SEALED BY MARYLAND PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION.
    - F. ALL REINFORCING STEEL TO ASTM A615, GR.60.
    - G. FOR DETAILS CONCERNING THROAT OPENINGS, REFER TO HOWARD COUNTY STANDARD INLETS.
    - H. FOR DETAILS NOT NOTED, REFER TO THE STANDARD INLETS BEING USED.
    - I. THE TOP 4 INCHES OF WALLS MAY BE BRICK MASONRY FOR LEVELING, IF REQUIRED. BRICK MASONRY SHALL COMPLY WITH THE LATEST HOWARD COUNTY SPECIFICATIONS.
    - J. WHEN INSIDE WIDTH OF STRUCTURE IS GREATER THAN 4'-0", REINFORCING SHALL BE REVISED AS NEEDED AND STRUCTURAL COMPUTATIONS MUST BE PROVIDED.
    - K. WHEN THE STRUCTURE IS SUBJECT TO TRAFFIC LOADING, REINFORCING SHALL BE DESIGNED FOR THE APPROPRIATE TRAFFIC LOADS.
    - L. MANHOLE COVERS SHALL BE PROVIDED WITH ADEQUATE LOCKING DEVICE.
    - M. FOR OIL GRIT SEPARATOR DETAILS NOT SHOWN REFER TO HOWARD CO. STANDARD SPECIFICATIONS AND DETAILS.
  - CONSTRUCTION NOTES:
    - A. SILT AND DEBRIS SHALL NOT BE ALLOWED TO ENTER THE STRUCTURE UNTIL CONTRIBUTING DRAINAGE AREA HAS BEEN PERMANENTLY STABILIZED.
    - B. ALL OPENINGS TO THE STRUCTURE SHALL BE PROTECTED BY THE APPROPRIATE SEDIMENT CONTROL MEASURES DURING CONSTRUCTION. (SEE EROSION AND SEDIMENT CONTROL PLAN).
  - WATERSTOPS AND KEYWAYS - FOR OIL/GRIT SEPARATORS PROVIDE WATERSTOPS AND KEYWAYS WHEN APPLICABLE.
  - MAINTENANCE NOTES (QUALITY-CONTROL STRUCTURE WASTE)
    - A. WATER QUALITY - STRUCTURES WILL REQUIRE PERIODIC CLEANING. OWNERS OF THESE FACILITIES WILL HAVE TO CLEAN THEM AS NEEDED OR ON A FREQUENCY THAT THE COUNTY DETERMINES APPROPRIATE. OWNERS OF A WATER QUALITY STRUCTURE WILL BE NOTIFIED BY THE COUNTY OF THE FREQUENCY OF MAINTENANCE.
    - B. MAINTENANCE OF THESE FACILITIES WILL CONSIST OF CLEANING OUT THE SEPARATOR AND DISPOSAL OF THE WASTE AND REPAIR OF THE FACILITY AS NEEDED. INSPECTION OF THESE FACILITIES SHOULD BE PERFORMED ON A PERIODIC BASIS.

**OIL GRIT SEPARATOR SCHEDULE**

| STRUCT. # | A      | B     | C (MIN.) | D     | E (MIN.) | F   | G   | H      | I      | J      | K      | L     |
|-----------|--------|-------|----------|-------|----------|-----|-----|--------|--------|--------|--------|-------|
| S-1       | 10'-0" | 4'-0" | 20'-8"   | 4'-9" | 6'-1"    | 15" | 12" | 230.96 | 230.96 | 233.96 | 229.46 | 1'-9" |
| S-2       | 10'-0" | 4'-0" | 20'-8"   | 5'-5" | 6'-9"    | 30" | 15" | 229.19 | 229.56 | 232.56 | 228.06 | 3'-0" |
| S-3       | 12'-2" | 4'-0" | 22'-10"  | 8'-0" | 9'-4"    | 30" | 15" | 229.69 | 229.69 | 232.69 | 228.19 | 3'-0" |

- NOTE: 1. SEE HOWARD COUNTY STANDARD SPECIFICATIONS AND DETAILS FOR ALL WALL THICKNESSES AND STEEL REINFORCING.  
 2. SHOP DRAWINGS MUST BE PREPARED AND SEALED BY A MARYLAND REGISTERED PROFESSIONAL STRUCTURAL ENGINEER PRIOR TO CONSTRUCTION OF STRUCTURES S-1, S-2, AND S-3.

NOTE: REFER TO HOWARD COUNTY STANDARD DETAIL #W3.26 FOR STEEL REINFORCING SIZES AND PLACEMENT.

- NOTES**
- WIDTH OF GEOTEXTILE MUST BE SUFFICIENT TO COVER TOTAL WIDTH OF DITCH. IF MORE THAN ONE ROLL WIDTH IS REQUIRED ADJACENT, PARALLEL ROLLS SHALL BE SEWN TOGETHER, EITHER BY MANUFACTURER OR ON JOBSITE.
  - DITCH SIDES AND BOTTOM SHALL BE SMOOTH AND FREE OF DEBRIS PRIOR TO PLACING GEOTEXTILE.
  - GEOTEXTILE SHALL BE PLACED FLAT AND LOOSE, WRINKLES SHALL BE AVOIDED.
  - SUFFICIENT SECURING PINS TO HOLD THE GEOTEXTILE IN PLACE PRIOR TO AND DURING RIPRAP PLACEMENT ARE REQUIRED. SECURING PINS SHALL BE 1/2" LONG, 3/16" DIAMETER, MADE OF STEEL AND HAVE A HEAD OR WASHER OF 1/2" DIAMETER.
  - GRADING OF THE DITCH AFTER RIPRAP PLACEMENT WILL NOT BE ALLOWED.
  - GEOTEXTILE SHALL BE OVERLAPPED AT ALL ROLL ENDS.
  - ALL DIMENSIONS AND LOCATIONS NOT INDICATED ON THE PLANS OR IN THE SPECIAL PROVISIONS SHALL BE AS DIRECTED BY THE ENGINEER.

- NOTES:**
- FOR DIMENSIONS AND QUANTITIES SEE TABLES ON STANDARD MD-362.01
  - FOR STEEL REINFORCEMENT SPACING & LOCATION SEE MD-362.01
  - SPECIFICATIONS:
    - CONCRETE: LATEST S.H.A. SPECIFICATIONS
    - REINFORCING: SEE MD-362.01
    - CHAMFER: ALL EXPOSED EDGES 1"x1" OR AS DIRECTED
    - SDC: PLACE 500' WIDE AROUND ENDWALL AS INDICATED ON THE PLANS.

**RIPRAP OUTFALL PROTECTION**

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*J. Co. Waples* /s/ 4/16/94  
 SOIL CONSERVATION SERVICE DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*James R. Smith* /s/ 4/22/94  
 DIRECTOR DATE

*Uma Summerville* /s/ 4/22/94  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

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

APPROVED: *John A. Allen* /s/ 4/16/94  
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James R. Smith* /s/ 4/16/94  
 DIRECTOR DATE

*Charles E. Johnson* /s/ 4/16/94  
 CHIEF, BUREAU OF ENGINEERING DATE

| SUBDIVISION NAME      |           | SECTION/AREA | PARCEL NUMBER |              |            |
|-----------------------|-----------|--------------|---------------|--------------|------------|
| ROLLINS LEASING CORP. |           | N/A          | 104           |              |            |
| DEED                  | BLOCK NO. | ZONE         | TAX/ZONE      | ELECT. DIST. | CENSUS TR. |
| 2907/310              | 13        | M-2          | 48            | 6 TH         | 6069.02    |
| WATER CODE            |           | SEWER CODE   |               |              |            |
| C 04                  |           | 4110000      |               |              |            |

**STORM DRAIN DETAILS**  
 ROLLINS LEASING CORP.  
 TRUCK FACILITY

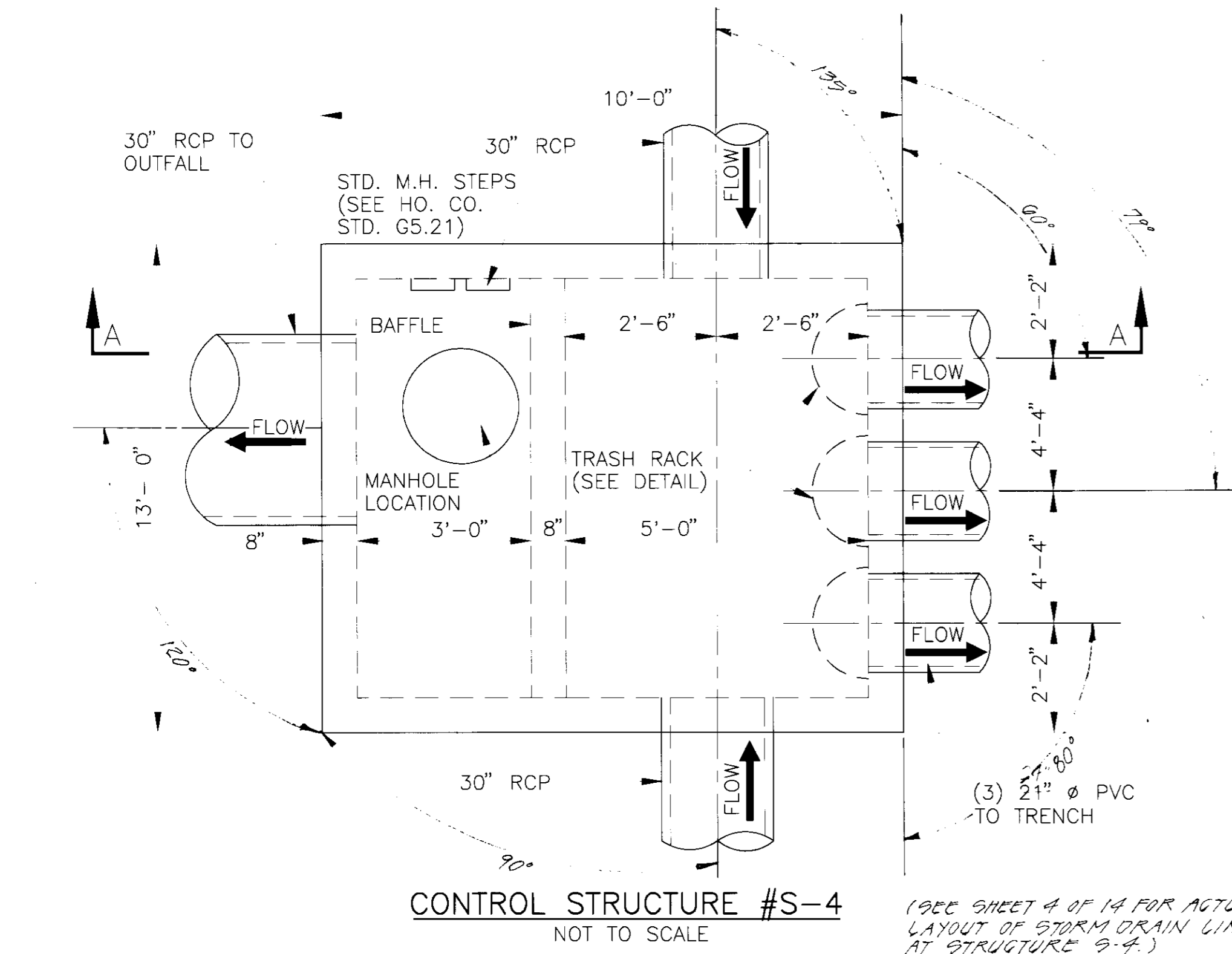
TAX MAP 48 PARCEL 104  
 6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS - PLANNERS - SURVEYORS

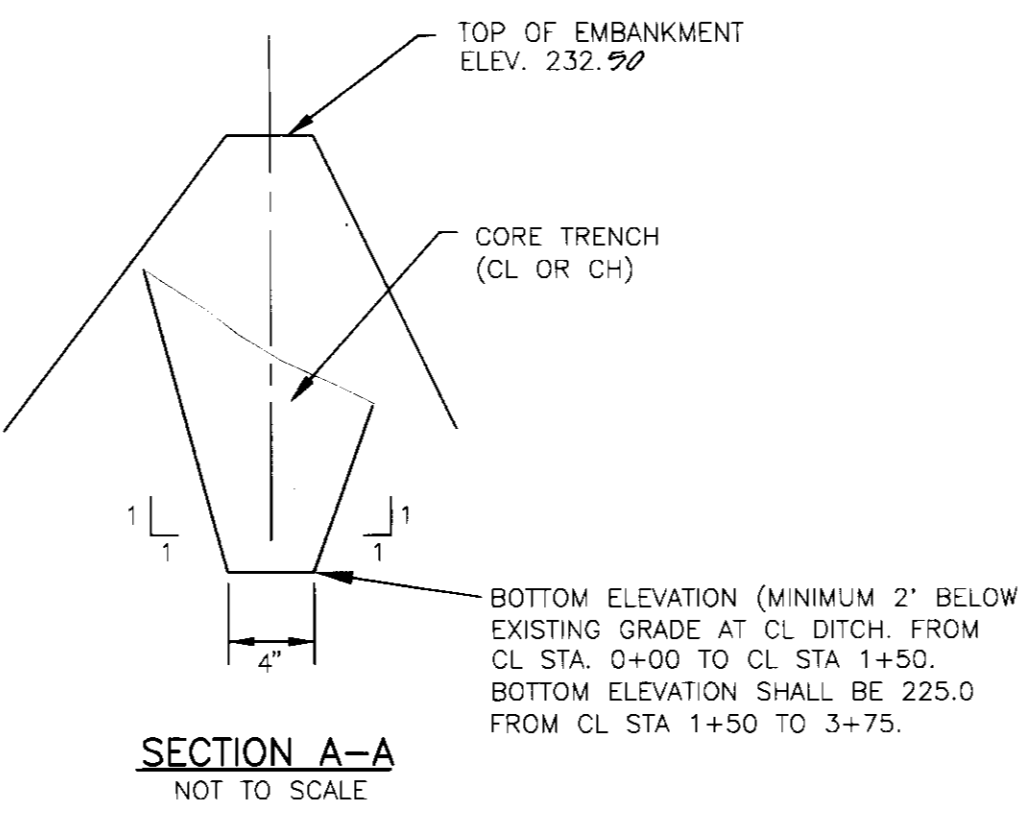
90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-6000

DESIGN BY: R.J.N.  
 DRAWN BY: M.J.D.  
 CHECKED BY: R.M.F.  
 DATE: MARCH 31, 1994  
 SCALE: NONE  
 W.G. NO.: 05-93-003A

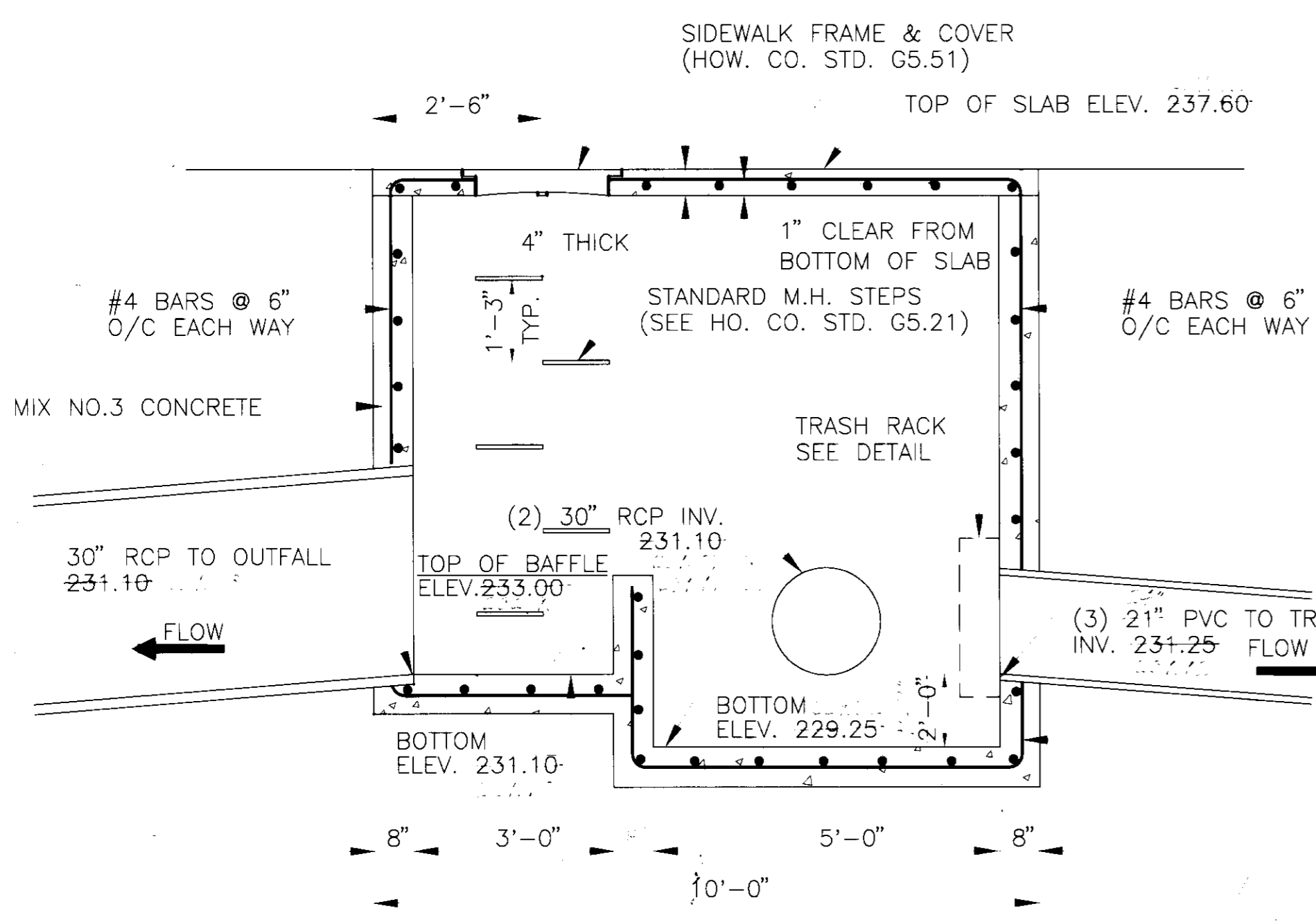
6 SHEET OF 14



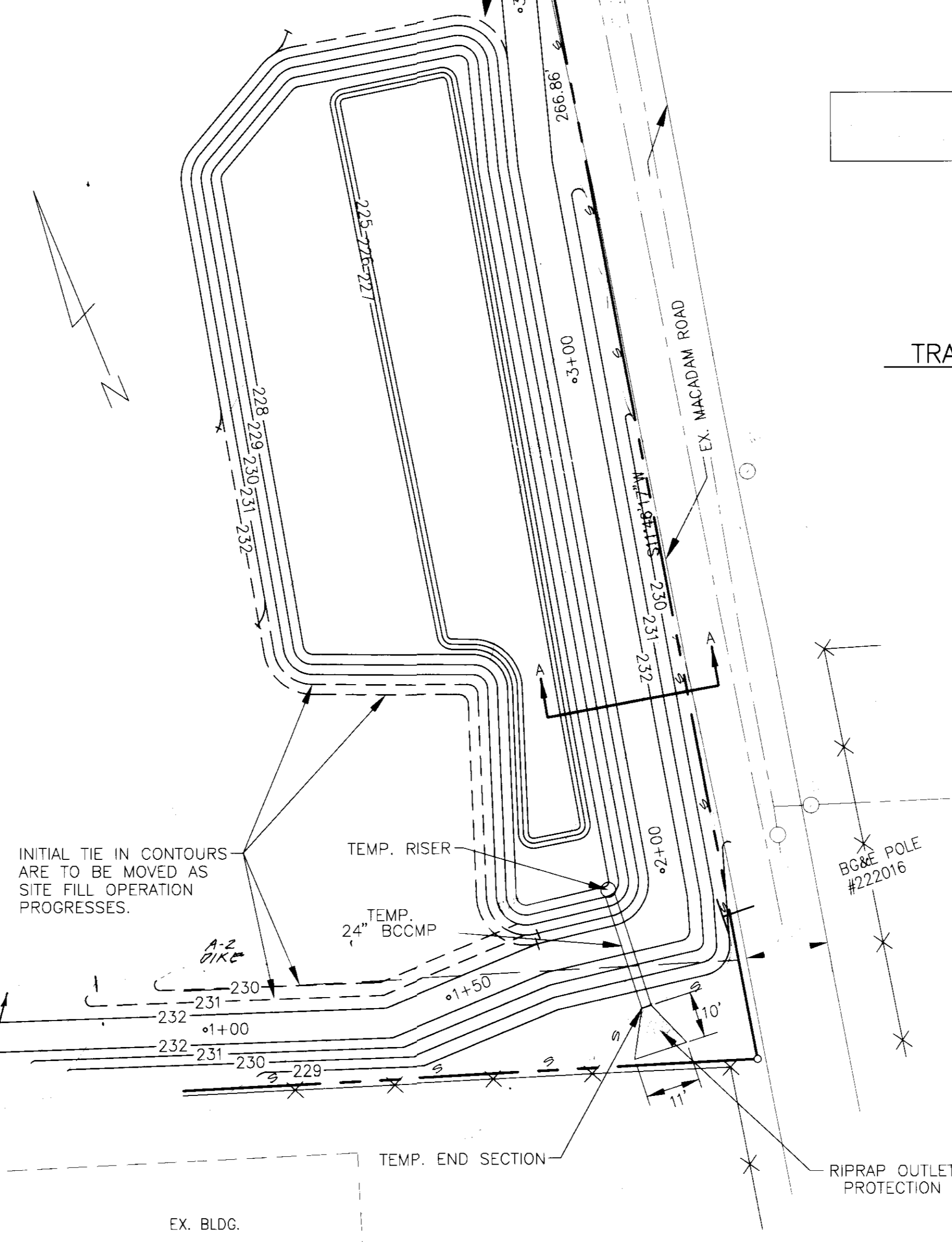
**CONTROL STRUCTURE #S-4**  
NOT TO SCALE



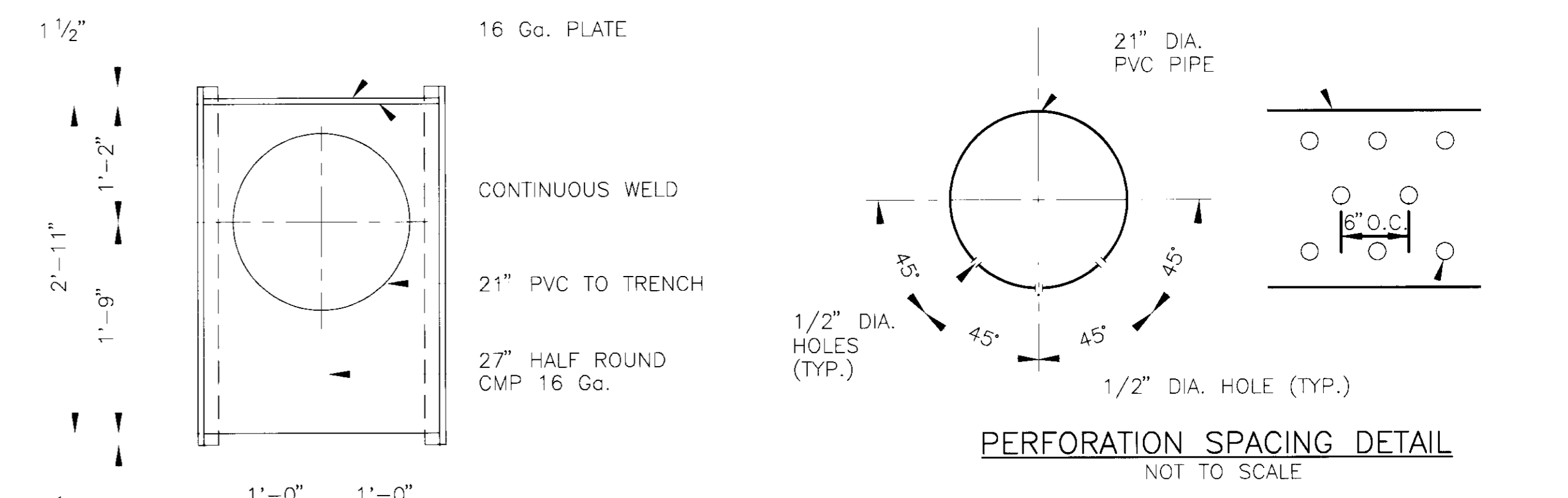
**SECTION A-A**  
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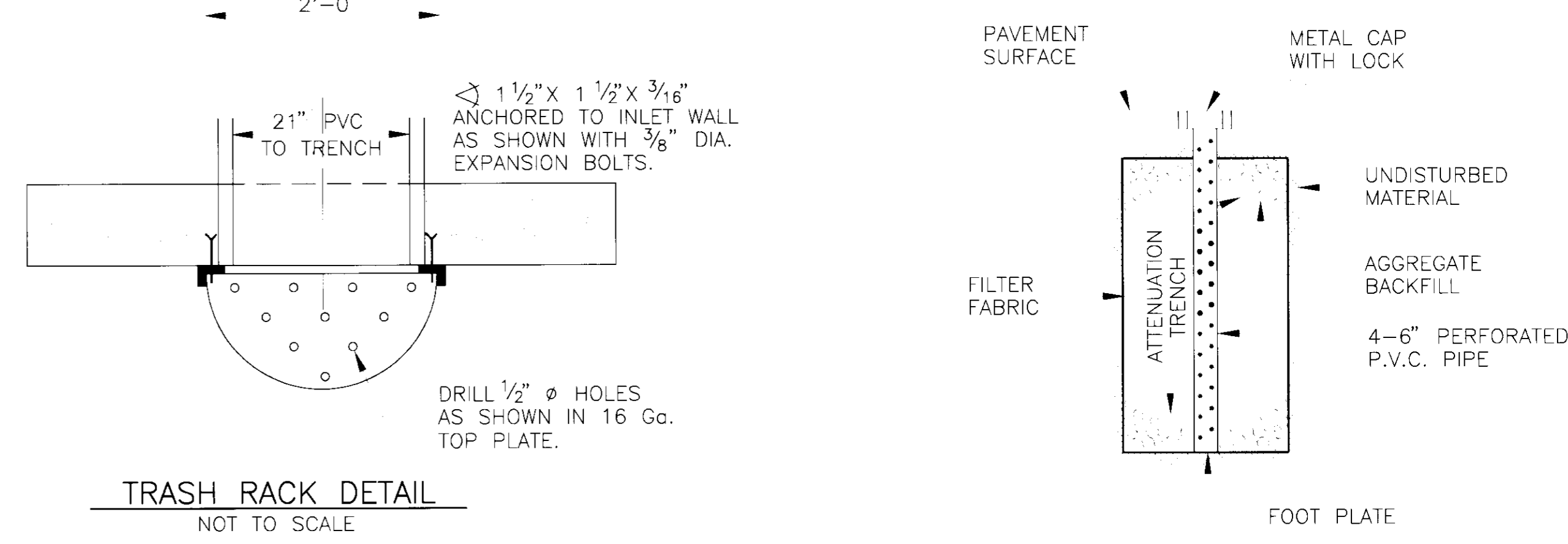
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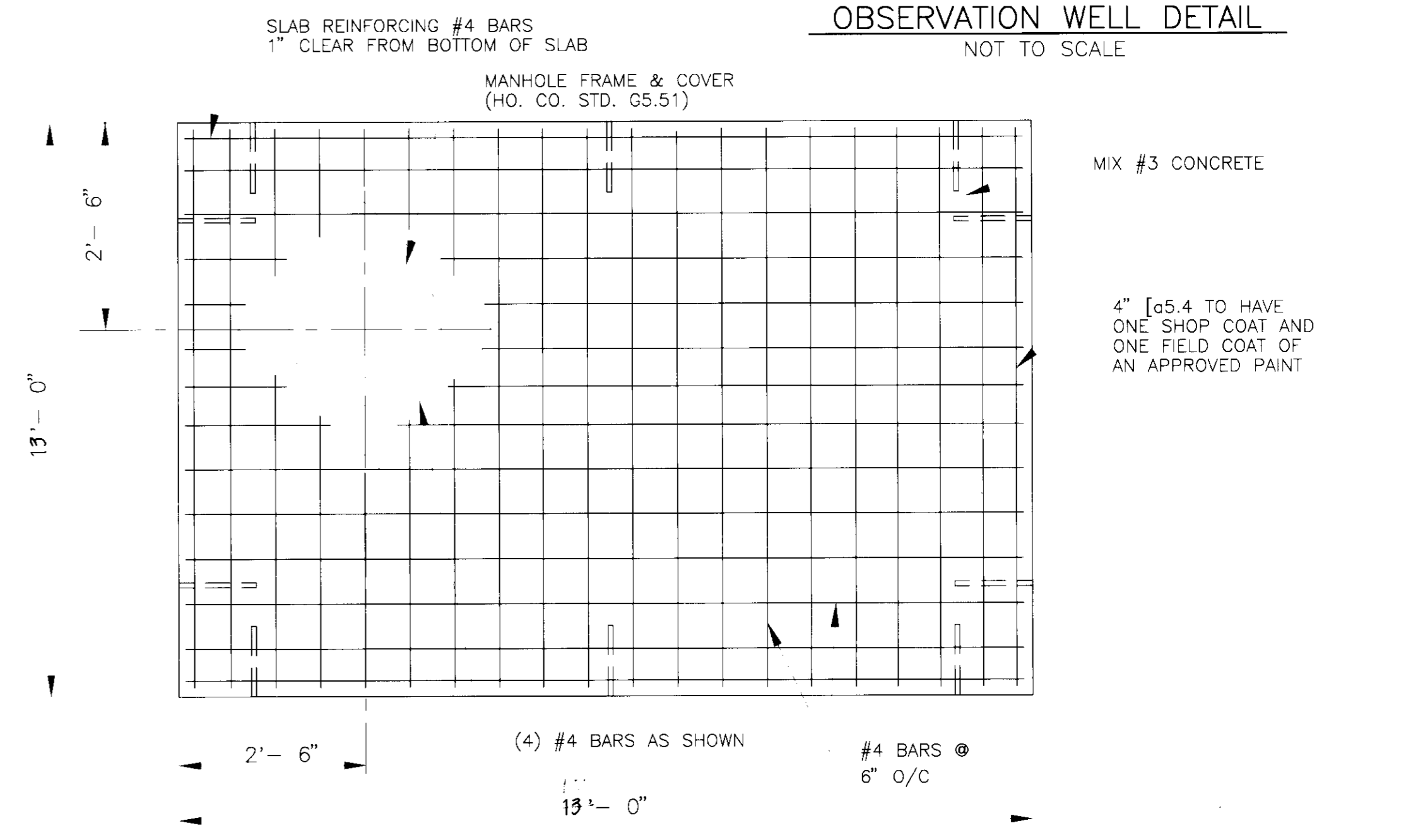
**SEDIMENT TRAP GRADING DETAIL**  
SCALE: 1" = 20'



**PERFORATION SPACING DETAIL**  
NOT TO SCALE



**TRASH RACK DETAIL**  
NOT TO SCALE



**TOP SLAB REINFORCING DETAIL**  
NOT TO SCALE

- NOTES:**
- ALL P.V.C. PIPE SHALL BE ASTM D3034 SDR-35 OR ASTM F679 T-1.
  - ALL PIPE WITHIN THE S.W.M. TRENCH SHALL BE PERFORATED AND ALL PIPE ENDS SHALL BE CAPPED.
  - SHOP DRAWINGS MUST BE PREPARED AND SEALED BY A MARYLAND REGISTERED PROFESSIONAL ENGINEER PRIOR TO CONSTRUCTION OF STRUCTURE S-4.

**STORM WATER MANAGEMENT DETAILS**  
ROLLINS LEASING CORP.  
TRUCK FACILITY

TAX MAP 48 PARCEL 104  
6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS - PLANNERS - SURVEYORS

90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-6000

|                       |           |              |               |
|-----------------------|-----------|--------------|---------------|
| SUBDIVISION NAME      |           | SECTION/AREA | PARCEL NUMBER |
| ROLLINS LEASING CORP. |           | N/A          | 104           |
| DEED                  | BLOCK NO. | ZONE         | TAX/ZONE      |
| 2907/916              | 13        | M-2          | 48            |
| ELECT. DIST.          |           | CENSUS TR.   |               |
| 6 TH                  |           | 6069.02      |               |
| WATER CODE            |           | SEWER CODE   |               |
| C 04                  |           | 4110000      |               |

DESIGN BY: R.J.N.  
DRAWN BY: J.E.H.  
CHECKED BY: RMF  
DATE: MARCH 31 1994  
SCALE: NONE  
W.O. NO.: 05-93-003A

**ENGINEERS CERTIFICATE**

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.

*Robert J. N...* 4/15/94  
SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**

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.

*Samuel C. Norman* 4/25/94  
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*J. La...* 4/16/94  
U.S. SOIL CONSERVATION SERVICE DATE

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

*...* 4/19/94  
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

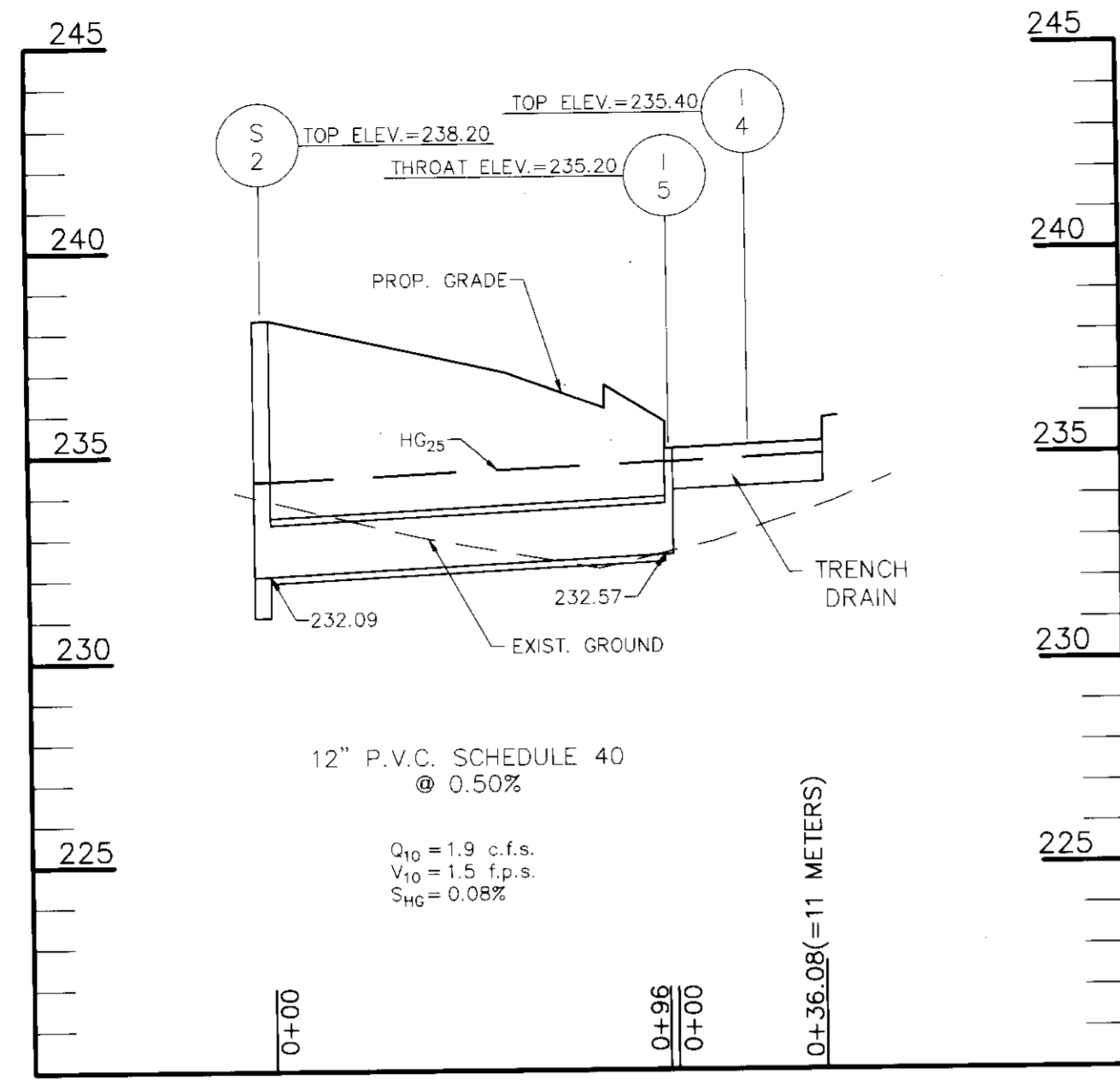
*...* 6/22/94  
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

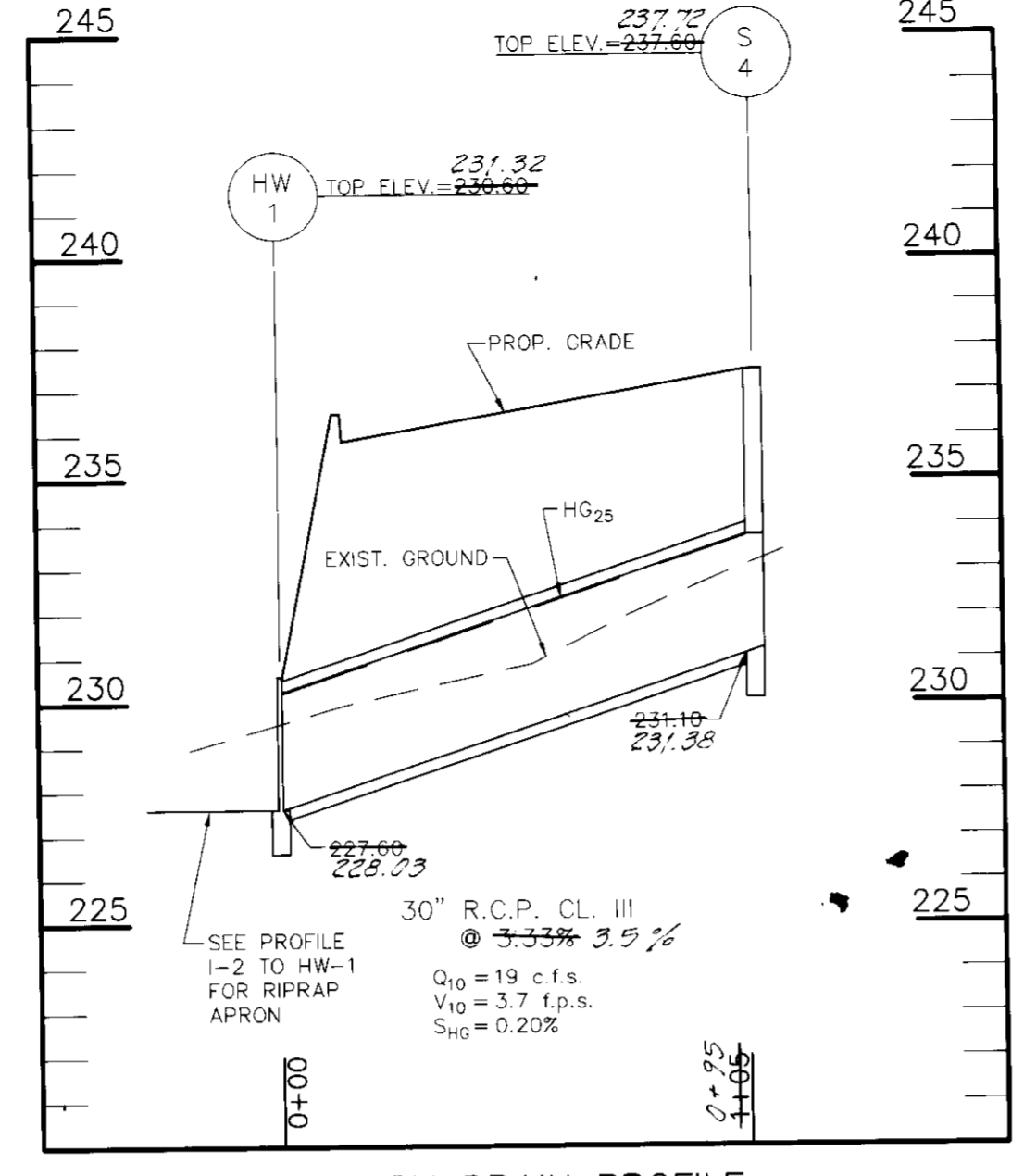
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*...* 6/16/94  
DIRECTOR DATE

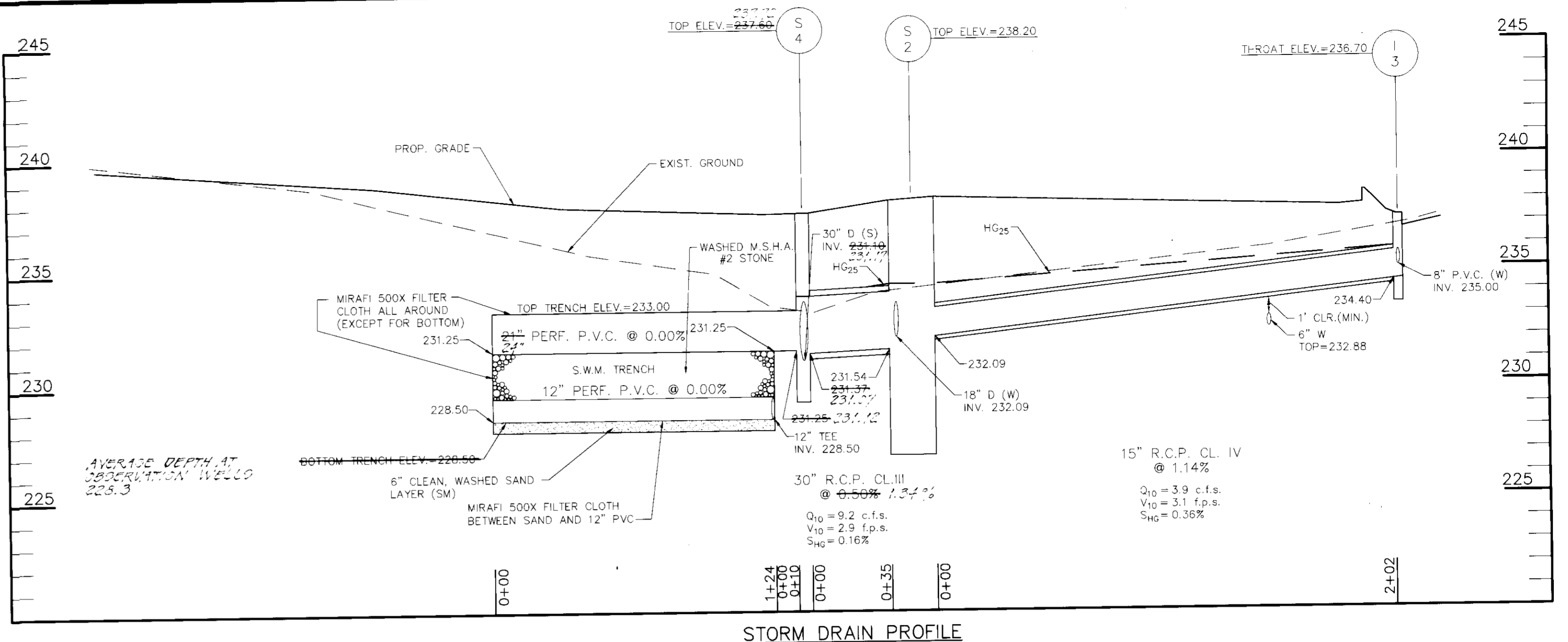
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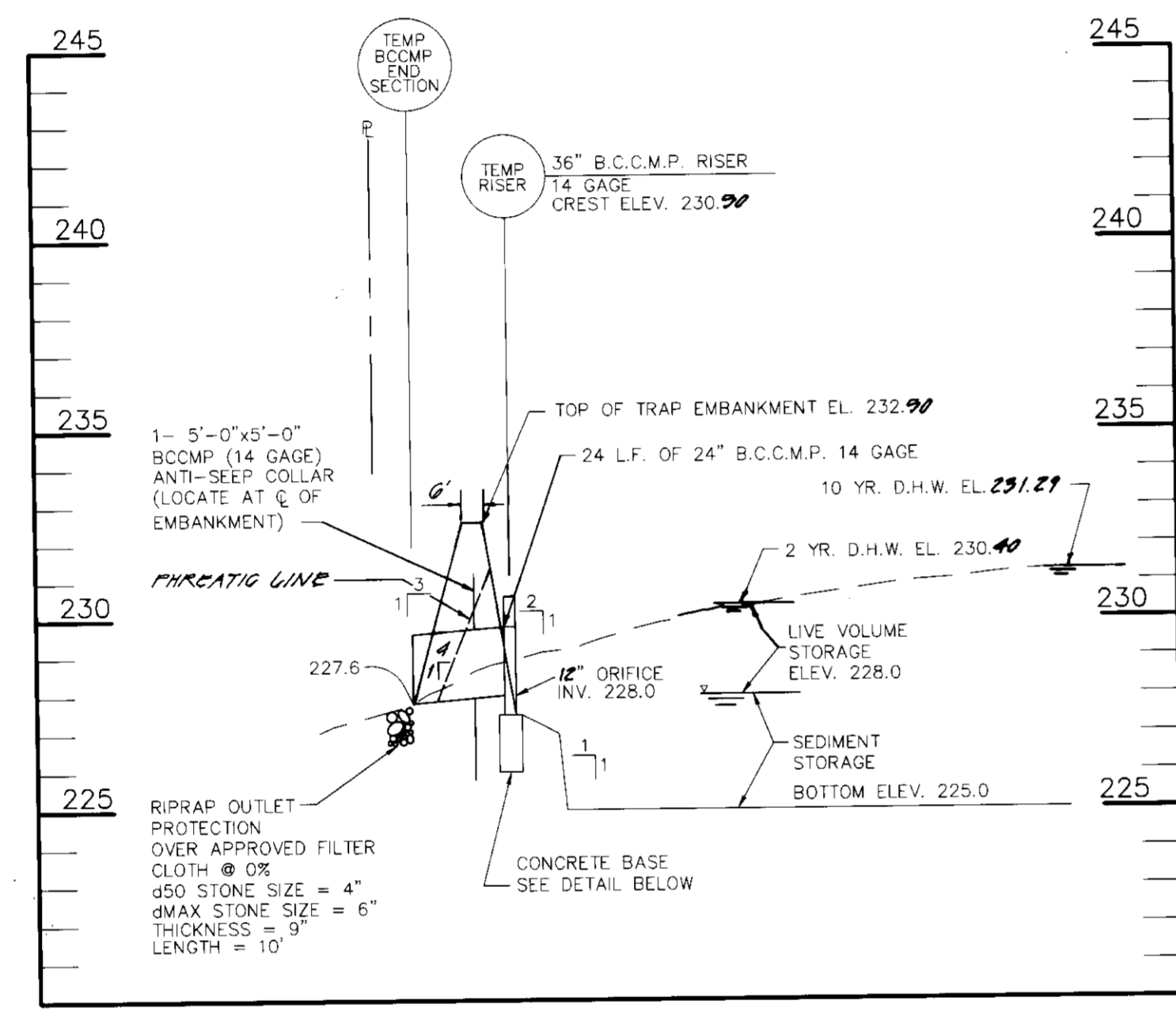
**STORM DRAIN PROFILE**  
SCALE: 1"=40' HOR.  
1"=4' VERT.



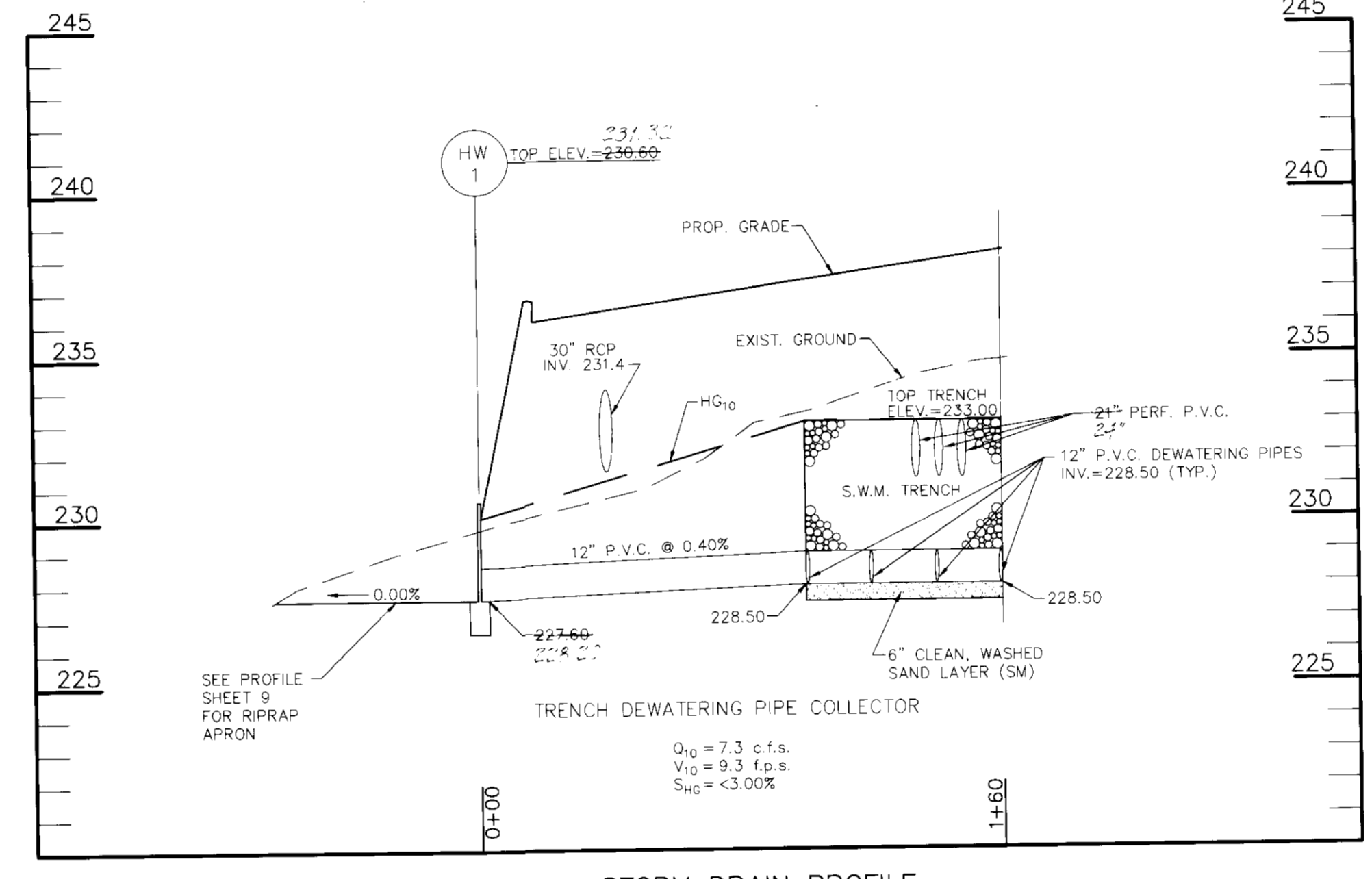
**STORM DRAIN PROFILE**  
SCALE: 1"=40' HOR.  
1"=4' VERT.



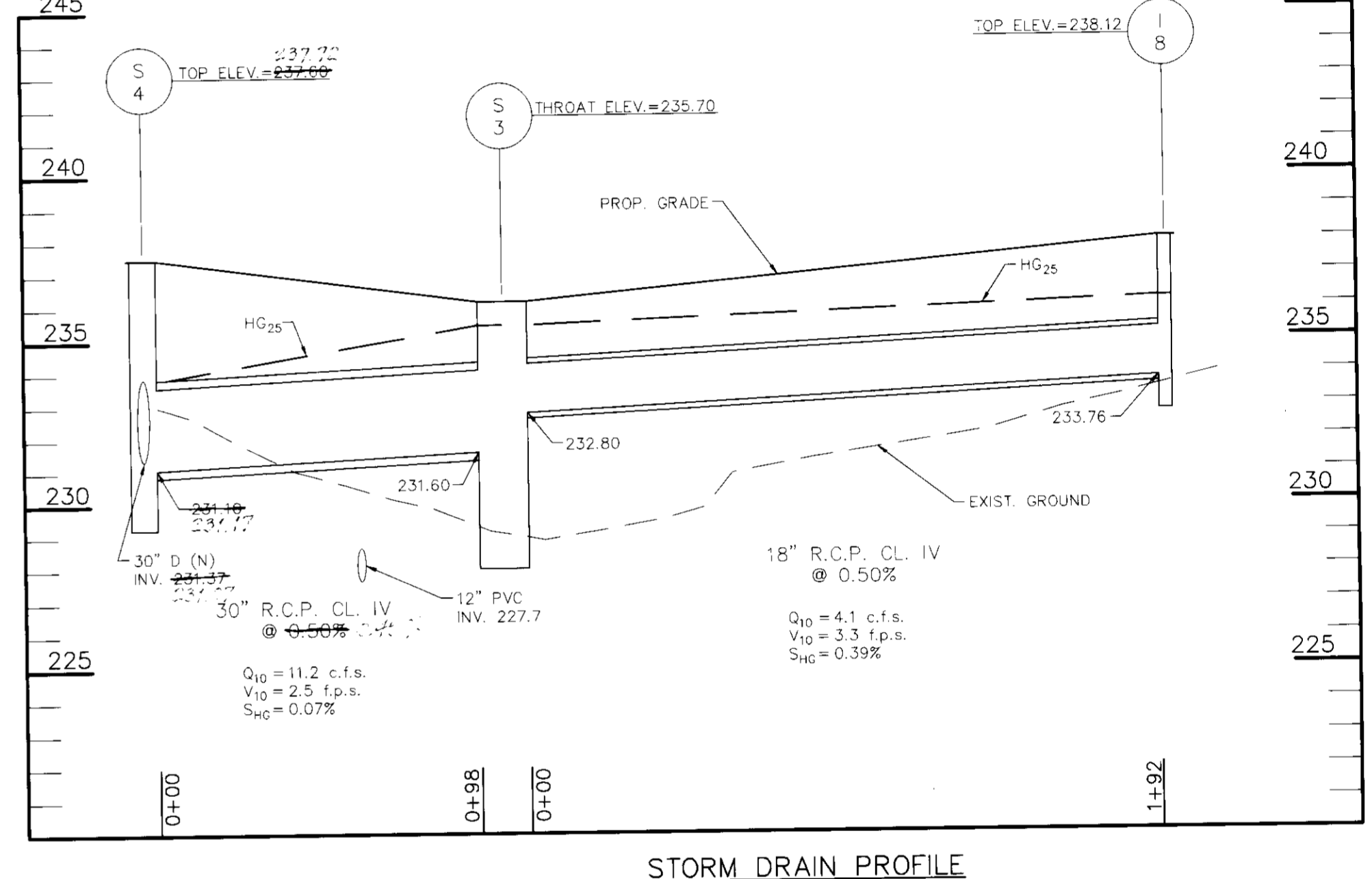
**STORM DRAIN PROFILE**  
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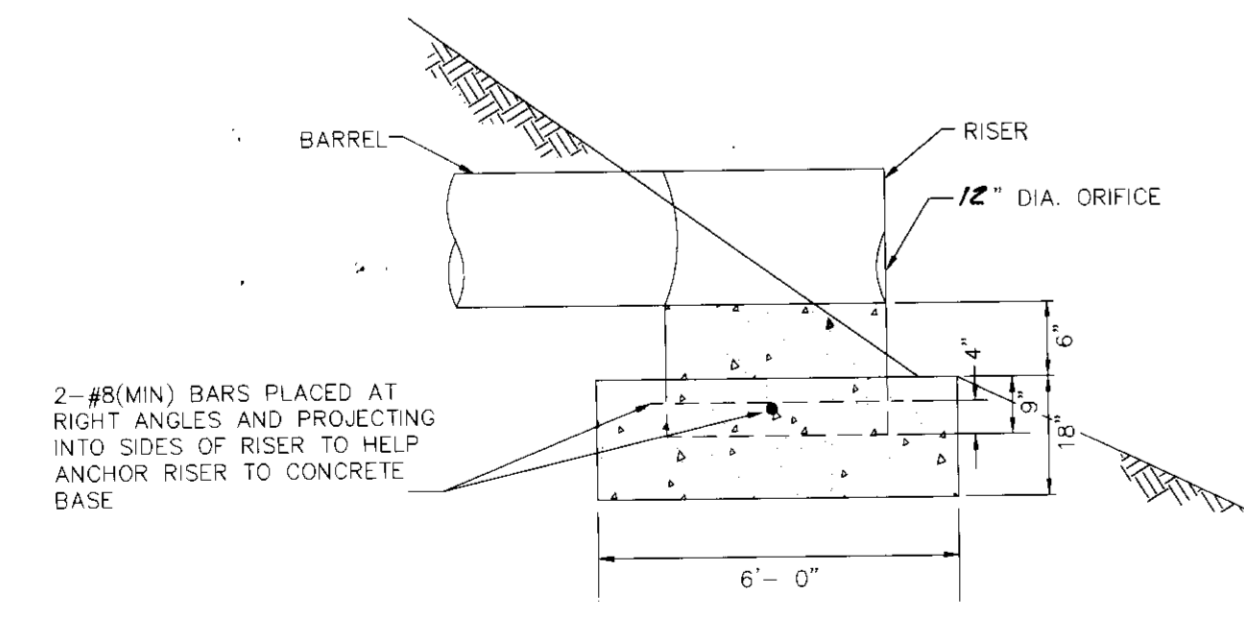
**PIPE OUTLET TRAP PROFILE**  
SCALE: 1"=40' HOR.  
1"=4' VERT.



**STORM DRAIN PROFILE**  
SCALE: 1"=40' HOR.  
1"=4' VERT.



**STORM DRAIN PROFILE**  
SCALE: 1"=40' HOR.  
1"=4' VERT.



**RISER BASE DETAIL**

- NOTES:
1. THE CONCRETE BASE SHALL BE POURED IN SUCH A MANNER TO INSURE THAT THE CONCRETE FILLS THE BOTTOM OF THE RISER TO THE INVERT OF THE OUTLET PIPE TO PREVENT THE RISER FROM BREAKING AWAY FROM THE BASE.
  2. WITH ALUMINUM ALUMINIZED PIPE, THE EMBEDDED SECTION MUST BE PAINTED WITH ZINC CHROMATE OR EQUIVALENT.
  3. RISER BASE MAY BE SIZED AS COMPUTED USING FLOATATION WITH A FACTOR OF SAFETY OF 1.2.

I HEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN ON THE 198-310-1 PLANS AND NOTED THE APPROVED PLANS AND SPECIFICATIONS.

*Robert J. Harms, Jr.* 6/6/94  
REGISTERED PROFESSIONAL ENGINEER

**ENGINEERS CERTIFICATE**

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.

*Robert J. Harms, Jr.* 4/5/94  
SIGNATURE OF ENGINEER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*Dee Wampler* 1/6/94  
U.S. SOIL CONSERVATION SERVICE DATE

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

*Robert J. Harms, Jr.* 6/6/94  
HOWARD SOIL CONSERVATION DISTRICT DATE

**DEVELOPER'S CERTIFICATE**

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.

*Dana R. Norman* 4/22/94  
SIGNATURE OF DEVELOPER DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: \_\_\_\_\_ DATE: \_\_\_\_\_

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*Quana J. Williams* 6/22/94  
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

*Quana J. Williams* 6/22/94  
DIRECTOR DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

*Robert J. Harms, Jr.* 6/6/94  
CHIEF, BUREAU OF ENGINEERING DATE

|                       |           |              |               |
|-----------------------|-----------|--------------|---------------|
| SUBDIVISION NAME      |           | SECTION/AREA | PARCEL NUMBER |
| ROLLINS LEASING CORP. |           | N/A          | 104           |
| DEED                  | BLOCK NO. | ZONE         | TAX/ZONE      |
| 2907/310              | 13        | M-2          | 48            |
| ELECT. DIST.          |           | CENSUS TR.   |               |
| 6 TH                  |           | 6069.02      |               |
| WATER CODE            |           | SEWER CODE   |               |
| C 04                  |           | 4110000      |               |

**STORM DRAIN PROFILES**  
ROLLINS LEASING CORP.  
TRUCK FACILITY

TAX MAP 48 PARCEL 104  
6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

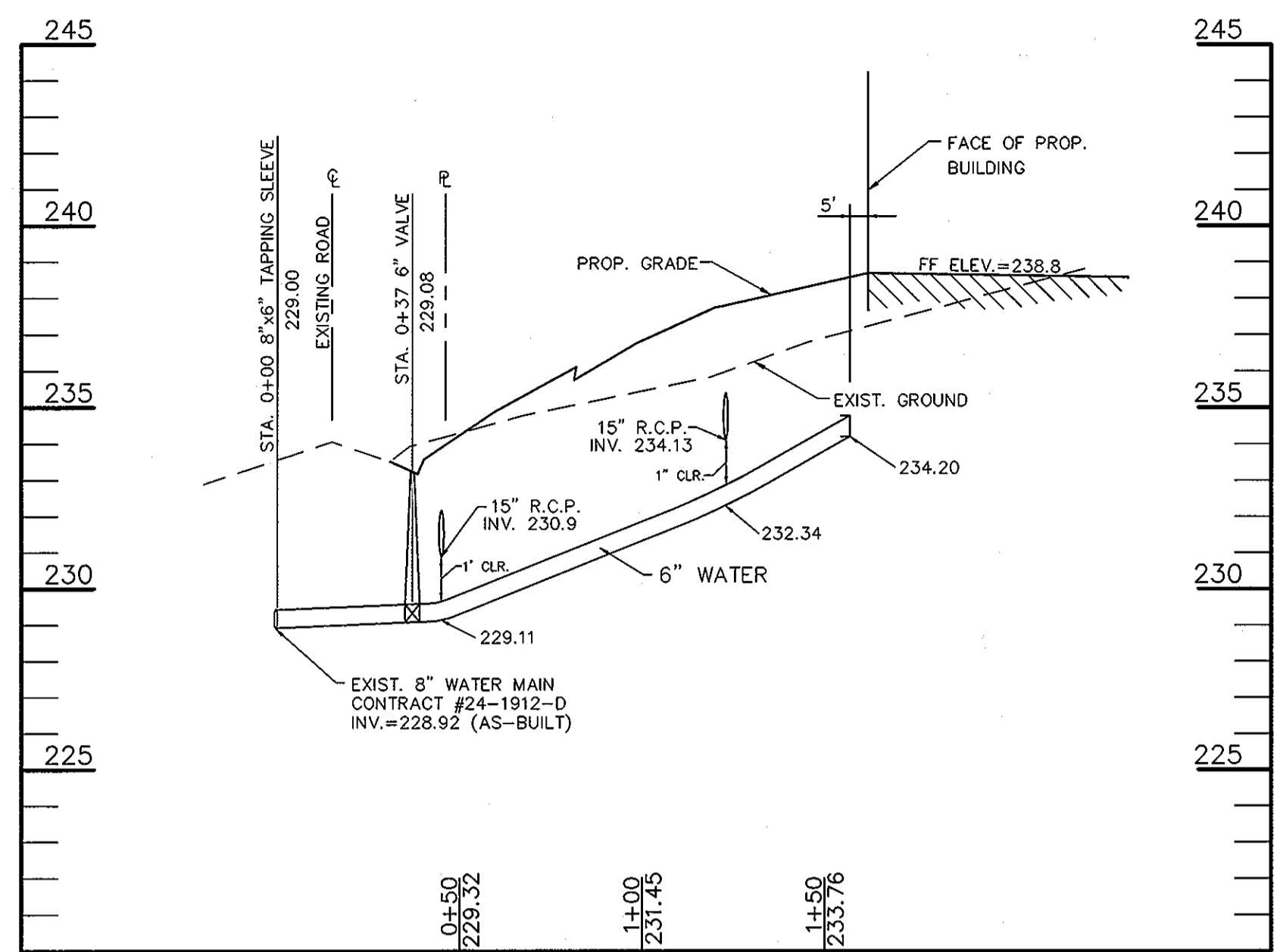
**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS - PLANNERS - SURVEYORS

90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-6000

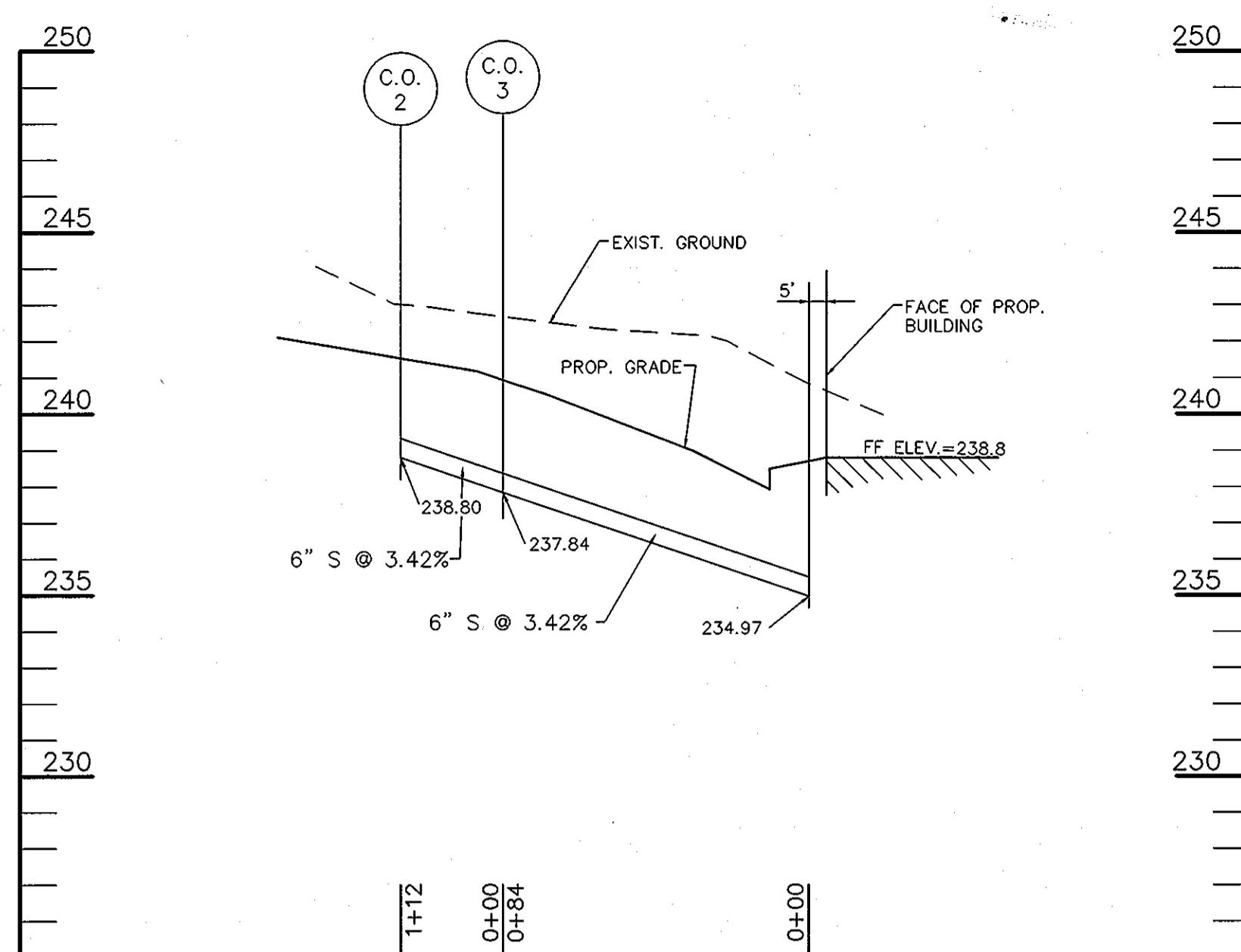
DESIGN BY: R.J.N.  
DRAWN BY: J.R.R.  
CHECKED BY: RMF  
DATE: MARCH 31, 1994  
SCALE: AS SHOWN  
W.D. NO.: 05-93-003A

8 14

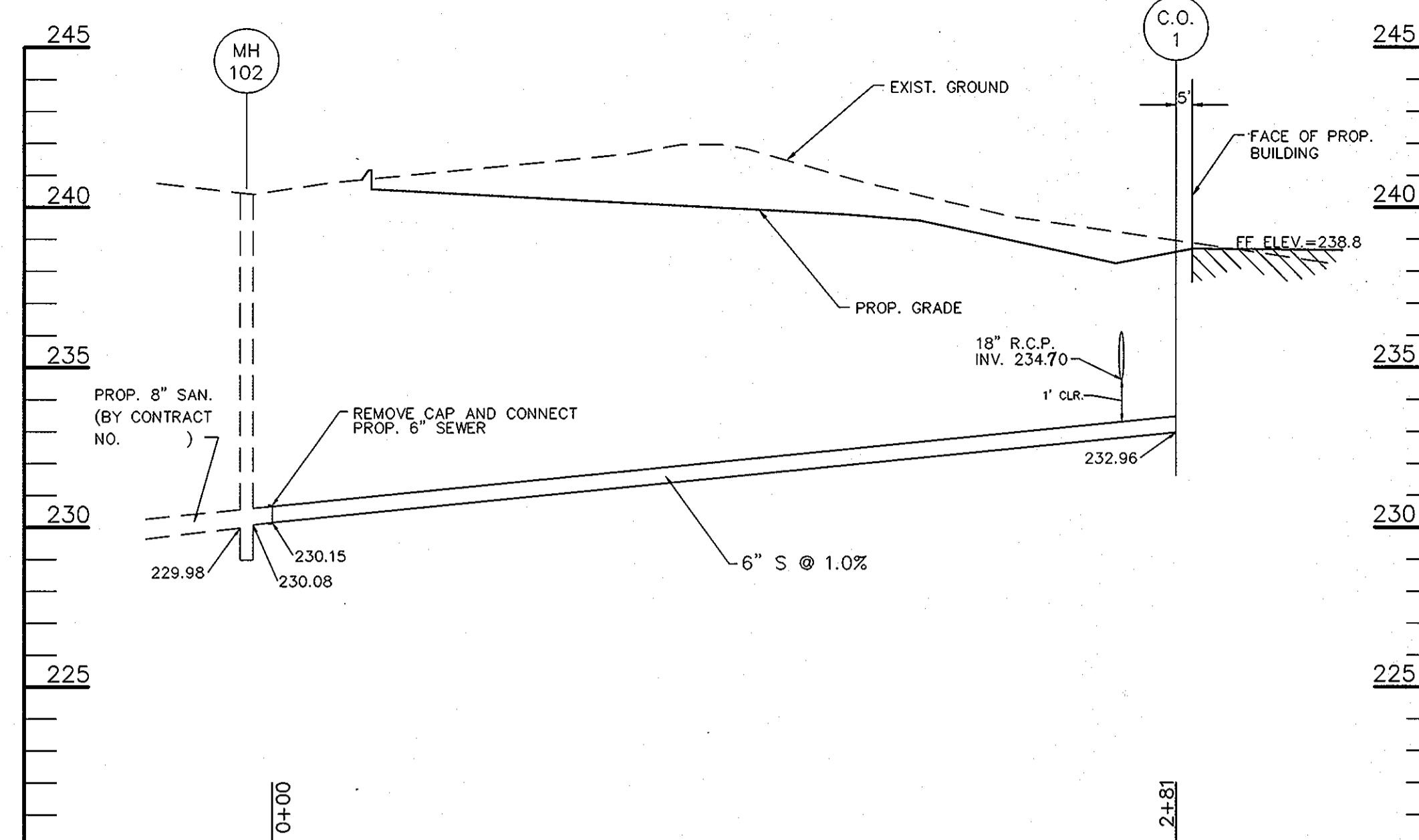




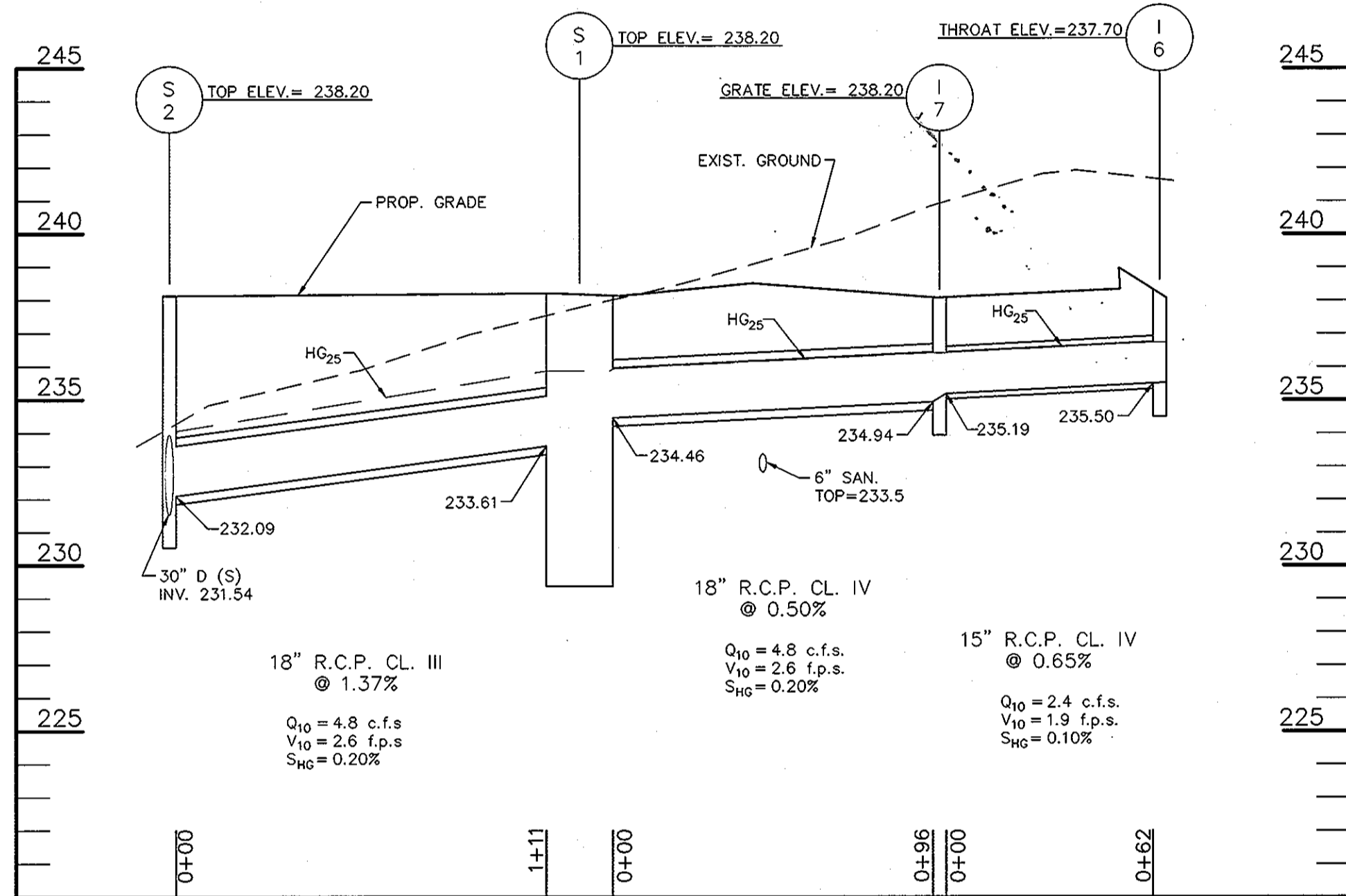
**WATER PROFILE**  
SCALE: 1"=40' HOR.  
1"=4' VERT.



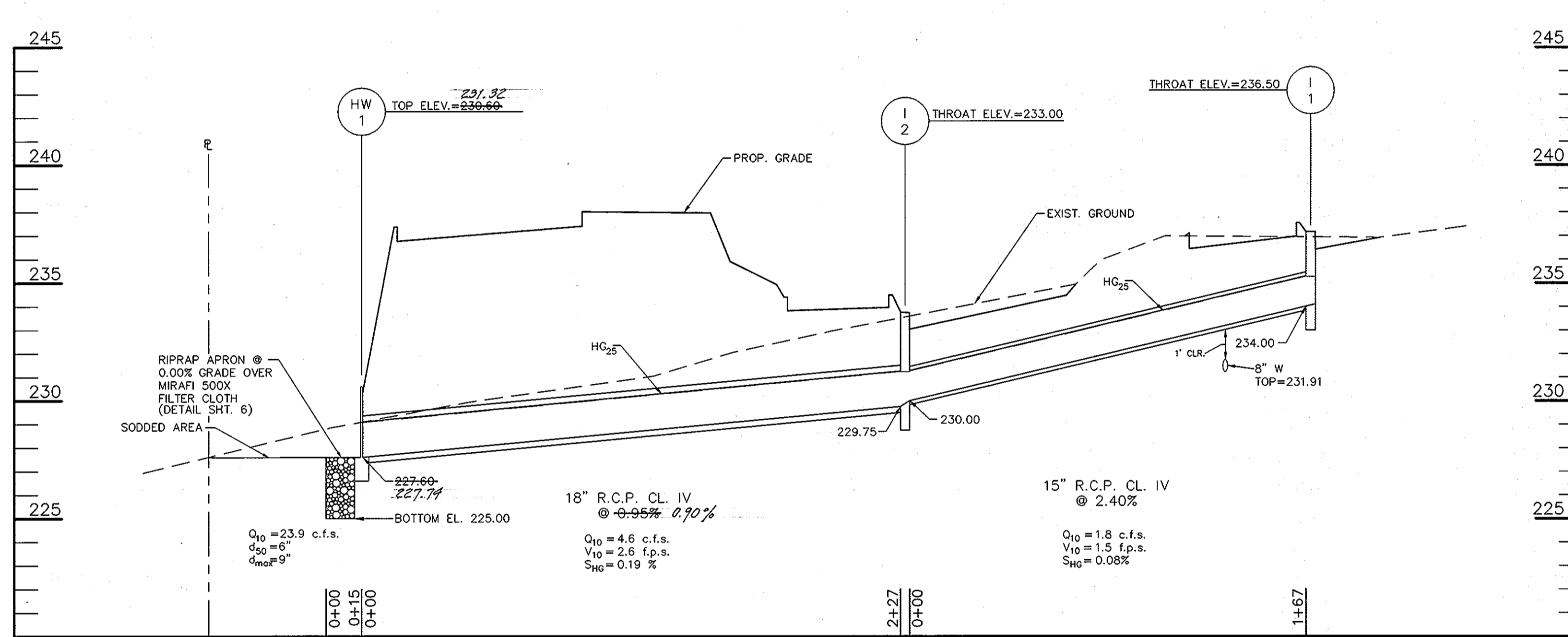
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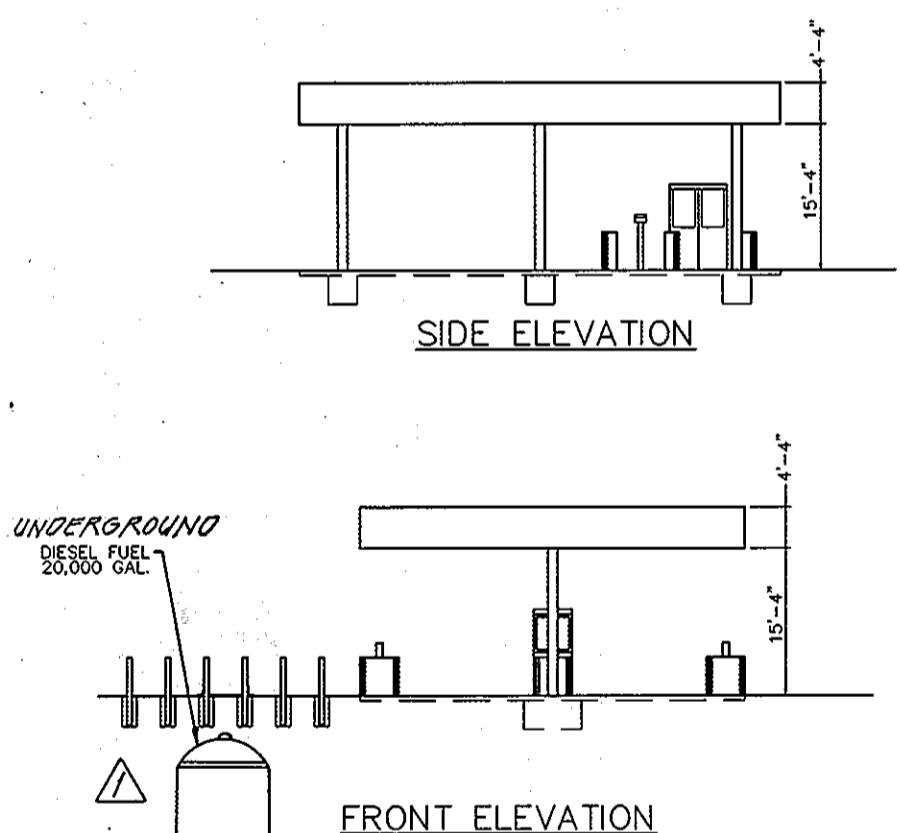
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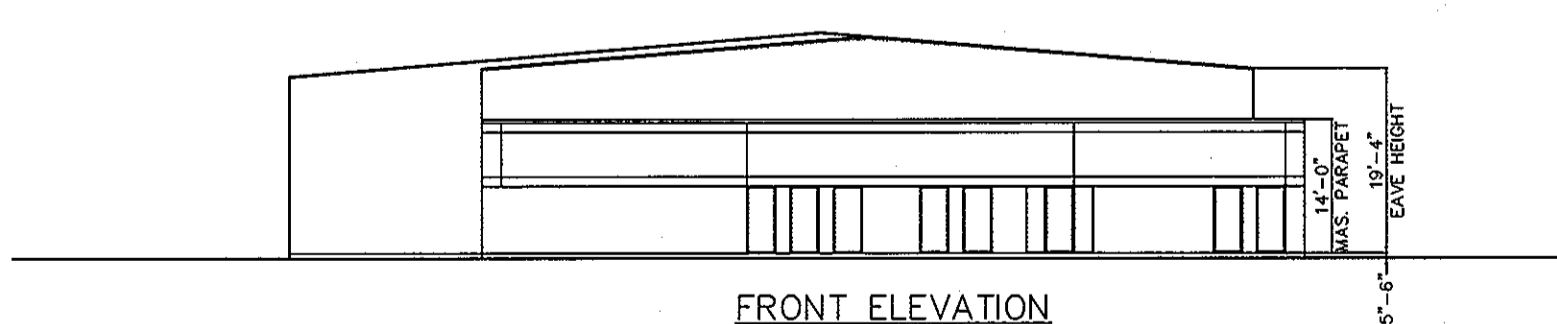
**STORM DRAIN PROFILE**  
SCALE: 1"=40' HOR.  
1"=4' VERT.



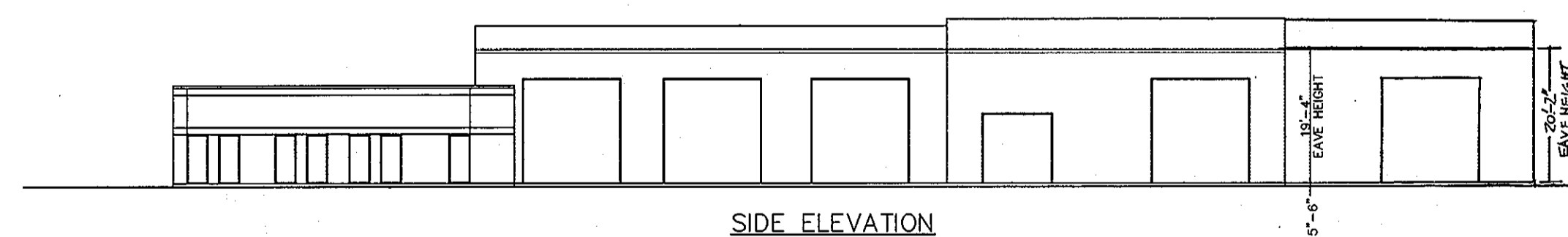
**STORM DRAIN PROFILE**  
SCALE: 1"=40' HOR.  
1"=4' VERT.



**PUMP CANOPY ELEVATIONS**  
SCALE: 1"=20'



**FRONT ELEVATION**

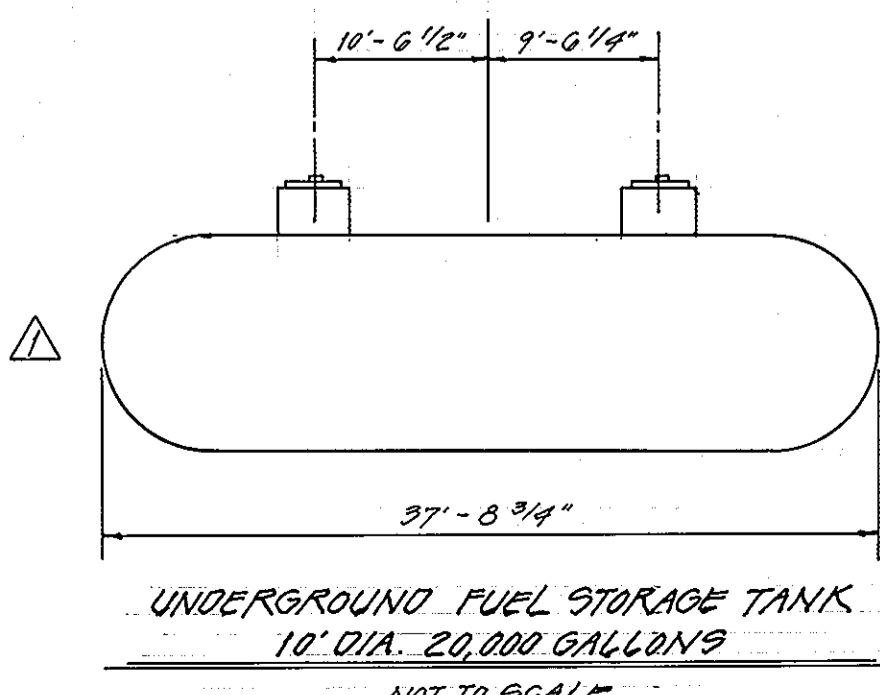


**SIDE ELEVATION**

**BUILDING ELEVATIONS**  
SCALE: 1"=20'

I HEREBY CERTIFY THAT THE FACILITY SHOWN ON THIS PLAN WAS CONSTRUCTED AS SHOWN IN THE AS-BUILT PLANS AND MEETS THE APPROVED PLANS AND SPECIFICATIONS.

*John E. Harms, Jr.* 6/6/94  
REGISTERED PROFESSIONAL ENGINEER



**UNDERGROUND FUEL STORAGE TANK**  
10' DIA. 20,000 GALLONS  
NOT TO SCALE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*J.C. Walsford* 6/16/94  
U.S. SOIL CONSERVATION SERVICE DATE

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

APPROVED: *Jeffrey A. King* 6/16/94  
HOWARD SOIL CONSERVATION DISTRICT DATE

1 RELOCATE TO UNDERGROUND FUEL STORAGE TANK - ADD TANK DETAIL 9/13/94

3 SHOW 36\"/>

| NO. | REVISION  | DATE    |
|-----|---|---------|
| 1   | RELOCATE TO UNDERGROUND FUEL STORAGE TANK - ADD TANK DETAIL | 9/13/94 |
| 3   | SHOW 36\"/>   |         |

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER *[Signature]* DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
*[Signature]* DATE 6/22/94  
DIRECTOR  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*[Signature]* DATE 6/16/94  
DIRECTOR  
CHIEF, BUREAU OF ENGINEERING

| NO. | REVISION  | DATE    |
|-----|---|---------|
| 1   | RELOCATE TO UNDERGROUND FUEL STORAGE TANK - ADD TANK DETAIL | 9/13/94 |
| 3   | SHOW 36\"/>   |         |

| DEED     | BLOCK NO. | ZONE | TAX/ZONE | ELECT. DIST. | CENSUS TR. |
|----------|-----------|------|----------|--------------|------------|
| 2907/310 | 13        | M-2  | 48       | 6 TH         | 6069.02    |

| SUBDIVISION NAME      | SECTION/AREA | PARCEL NUMBER |
|-----------------------|--------------|---------------|
| ROLLINS LEASING CORP. | N/A          | 104           |

| WATER CODE | SEWER CODE |
|------------|------------|
| C 04       | 4110000    |

**STORM DRAIN AND SANITARY SEWER PROFILES**  
ROLLINS LEASING CORP.  
TRUCK FACILITY

TAX MAP 48 PARCEL 104  
6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS - PLANNERS - SURVEYORS

90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-6000

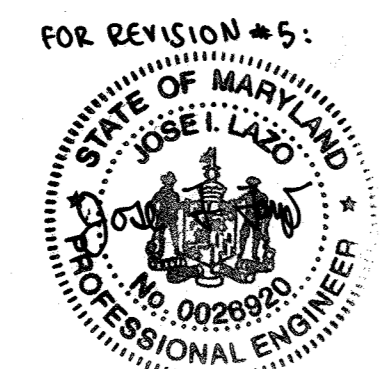
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DRAWN BY: J.R.R.  
CHECKED BY: R.M.E.  
DATE: MARCH 31, 1994  
SCALE: AS SHOWN  
W.O. NO.: 05-93-003A

9 SHEET OF 14

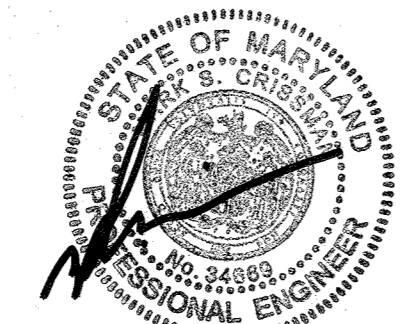


NOTES:  
 DRAINAGE AREA LABELLED "PROP #1" IS THE TOTAL DRAINAGE AREA FOR THE PROPOSED STORMWATER MANAGEMENT FACILITY  
 DRAINAGE AREA LABELLED "PROP #2" IS AN OFFSITE AREA THAT BYPASSES THE SWM FACILITY  
 P.S., PLEASE SEE DRAWINGS

| STORM DRAIN COMPUTATIONS |      |            |              |              |      |      |      |                    |                              |       |          |      |              |            |            |                           |                   |                |                            |    |
|--------------------------|------|------------|--------------|--------------|------|------|------|--------------------|------------------------------|-------|----------|------|--------------|------------|------------|---------------------------|-------------------|----------------|----------------------------|----|
| STRUCTURE FROM           | TO   | C AREA (#) | A AREA ACRES | RUNOFF COEFF | CA   | ΣCA  | ΣCA  | IC TIME CONC. MIN. | IF RAINFALL INTEN. IN. / HR. | Q cfs | SIZE IN. | TYPE | MANH. COEFF. | So SLOPE % | L LENGTH % | V <sub>0</sub> VEL FT/SEC | TIME IN PIPE MIN. | CAPAC FULL cfs | REMARKS                    |    |
| I-1                      | I-2  | 1          | 0.63         | 0.49         | 0.31 | 0.63 | 0.31 | 11.9               | 5.75                         | 1.78  | 15       | RCP  | .013         | 2.40       | 167        | 1.50                      | 1.9               | 10.0           | --                         |    |
| I-2                      | I-2  | 2          | 0.29         | 0.52         | 0.52 | --   | --   | 6.9                | 6.60                         | 3.43  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| I-2                      | HW-1 | 1.2        | --           | --           | --   | 0.92 | 0.83 | 13.8               | 5.55                         | 4.61  | 18       | RCP  | .013         | 0.95       | 227        | 2.60                      | 1.5               | 10.5           | --                         |    |
| ROOF DRAIN               | I-3  | R-1        | 0.09         | 0.86         | 0.08 | --   | --   | 5.0                | 7.00                         | 0.56  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| ROOF DRAIN               | I-3  | R-3        | 0.83         | 0.59         | 0.49 | --   | --   | 5.0                | 5.80                         | 2.84  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| ROOF DRAIN               | I-3  | R-2        | 0.12         | 0.86         | 0.10 | --   | --   | 5.0                | 7.00                         | 0.72  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| I-3                      | S-2  | R-1&2      | --           | --           | --   | 1.04 | 0.67 | 11.7               | 5.80                         | 3.89  | 15       | RCP  | .013         | 0.50       | 202        | 3.10                      | 1.1               | 5.4            | --                         |    |
| I-6                      | I-6  | R-3        | 0.31         | 0.77         | 0.24 | --   | --   | 5.0                | 7.00                         | 1.21  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| ROOF DRAIN               | I-6  | R-3        | 0.12         | 0.86         | 0.10 | --   | --   | 5.0                | 7.00                         | 0.72  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| I-6                      | I-7  | R-3        | --           | --           | --   | 0.43 | 0.34 | 5.0                | 7.00                         | 2.38  | 15       | RCP  | .013         | 0.50       | 62         | 1.90                      | 0.5               | 5.4            | --                         |    |
| I-7                      | I-7  | R-3        | 0.40         | 0.88         | 0.35 | --   | --   | 5.0                | 7.00                         | 1.80  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| I-7                      | S-1  | R-3        | --           | --           | --   | 0.83 | 0.69 | 5.5                | 6.90                         | 4.76  | 18       | RCP  | .013         | 0.50       | 96         | 2.60                      | 0.6               | 7.5            | --                         |    |
| S-1                      | S-2  | R-3        | --           | --           | --   | 0.83 | 0.69 | 6.10               | 6.80                         | 4.76  | 18       | RCP  | .013         | 1.37       | 111        | 2.60                      | 0.7               | 12.2           | --                         |    |
| I-4                      | I-5  | R-3        | 0.25         | 0.88         | 0.22 | --   | --   | 5.0                | 7.00                         | 1.54  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| I-5                      | I-5  | R-3        | 0.06         | 0.83         | 0.05 | --   | --   | 5.0                | 7.00                         | 0.35  | --       | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| I-5                      | S-2  | R-3        | 4.5          | --           | --   | 0.31 | 0.27 | 5.0                | 7.00                         | 1.89  | 12       | PVC  | .011         | 0.50       | 96         | 1.50                      | 1.1               | 4.6            | --                         |    |
| S-2                      | S-4  | R-3        | --           | --           | --   | 2.18 | 1.63 | 12.8               | 5.65                         | 9.21  | 30       | RCP  | .013         | 0.50       | 35         | 1.80                      | 0.3               | 30             | --                         |    |
| I-8                      | S-3  | R-3        | 10           | 0.74         | 0.81 | 0.60 | --   | --                 | 5.6                          | 6.90  | 4.13     | 18   | RCP          | .013       | 0.50       | 192                       | 2.30              | 1.2            | 7.5                        | -- |
| S-3                      | S-3  | R-3        | 11           | 1.27         | 0.86 | 1.09 | --   | --                 | 6.8                          | 6.65  | 7.26     | --   | --           | --         | --         | --                        | --                | --             | --                         |    |
| S-3                      | S-4  | R-3        | 10.11        | --           | --   | 2.01 | 1.69 | 6.8                | 6.65                         | 11.20 | 30       | RCP  | .013         | 0.50       | 98         | 2.50                      | 0.7               | 30             | --                         |    |
| S-4                      | HW-1 | R-3        | 3.11         | --           | --   | 4.19 | 3.32 | 13.0               | 5.65                         | 18.8  | 30       | RCP  | .013         | 4.51       | 227        | 3.70                      | 1.0               | 88             | FRENCH EMERGENCY DISCHARGE |    |



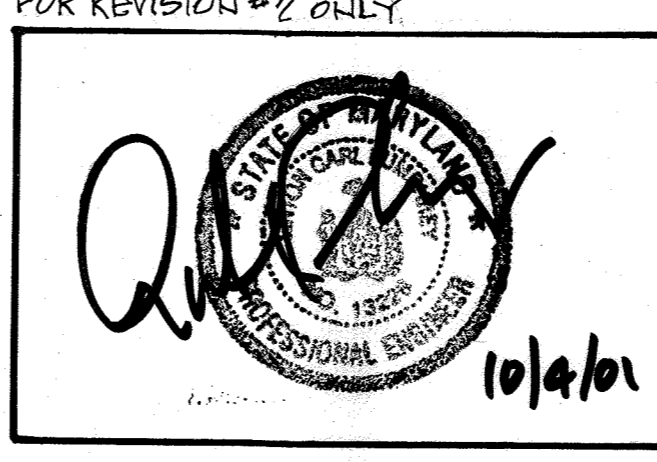
FOR REVISION #5:  
 PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A DULY LICENSED ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 25420, EXPIRATION DATE: JULY 5, 2023



6-30-9  
 (FOR REVISION 3)



6/3/16  
 FOR REVISION 4



FOR REVISION #2 ONLY  
 10/10/01

| NO. | REVISION   | DATE    |
|-----|--|---------|
| 2   | REV. BLDG. FOOTPRINT AND RELOCATED TRASH PULPSTER BIN    | 10/2/01 |
| 1   | REVISION TO EXISTING STORAGE BANK AND BLDG. MODIFICATION | 9/13/94 |

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER: [Signature] DATE: 6/22/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
 DIRECTOR: [Signature] DATE: 6/22/94

CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR: [Signature] DATE: 6/16/94

CHIEF, BUREAU OF ENGINEERING

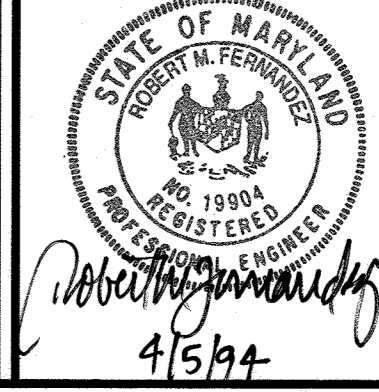
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
 COUNTY HEALTH OFFICER: [Signature] DATE: 6/22/94  
 APPROVED: [Signature] DATE: 6/22/94  
 APPROVED: [Signature] DATE: 6/16/94

| NO. | REVISION  | BY  | DATE     |
|-----|---|-----|----------|
| 5   | BUILDING ADDITION'S REVISE SQUARE FOOTAGE OF BUILDING   | JLL | 08/23/21 |
| A   | PLAN REMOVAL OF CANOPY & GAS PUMPS AND ADDITION OF A BIPOD PUMP   | ELT | 9/9/16   |
| 3   | ADD 300' X 200' PUMP BERTH ADDITION, CANOPY, PUMPS & REVISE PUMP, SERVICE AND 300' X 200' PUMP BERTH ADDITION, CANOPY, PUMPS & REVISE PUMP, SERVICE | ELT | 6/30/19  |

OWNER / DEVELOPER  
 ROLLINS LEASING CORP.  
 ONE ROLLINS PLAZA  
 P.O. BOX 1791  
 WILMINGTON, DE. 19899  
 TELEPHONE: (302) 426-2700

DRAINAGE AREA MAP  
 ROLLINS LEASING CORP.  
 TRUCK FACILITY  
 TAX MAP 48 PARCEL 104  
 6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS - PLANNERS - SURVEYORS  
 90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 5 (410) 647-6000



DESIGN BY: T.C.B.  
 DRAWN BY: J.E.H.  
 CHECKED BY: RMF  
 DATE: MARCH 31, 1994  
 SCALE: 1" = 40'  
 W.O. NO.: 95-93-003A

10 SHEET OF 14

SEQUENCE OF CONSTRUCTION

1. OBTAIN GRADING PERMIT.
2. NOTIFY HOWARD COUNTY BUREAU OF ENGINEERING / CONSTRUCTION INSPECTION DIVISION (410) 313-1880 AT LEAST 24 HOURS BEFORE STARTING WORK.
3. CONSTRUCT STABILIZED CONSTRUCTION ENTRANCE. (1 DAY)
4. INSTALL PERIMETER SEDIMENT CONTROL MEASURES INCLUDING SEDIMENT TRAP. (1 WEEK)
5. CLEAR, GRUB AND GRADE SITE. (3 WEEKS)
6. CONSTRUCT STORM DRAIN/SWM SYSTEM, WITH THE EXCEPTION OF HW-1 BLOCK SHUT ALL INLET OPENINGS UNTIL DRAINAGE AREA TO INLETS ARE STABILIZED. (1 MONTH)
7. CONSTRUCT BUILDING AND PARKING LOT, EXCEPT FOR SOUTHEAST CORNER OF PARKING LOT. (4 MONTHS)
8. PROVIDE PERMANENT SEEDING OF ALL DISTURBED AREAS. (1 DAY)
9. WITH EROSION AND SEDIMENT CONTROL INSPECTORS APPROVAL AND AFTER STABILIZATION OF THE DRAINAGE AREA TO THE SEDIMENT TRAP, REMOVE TRAP AND CONSTRUCT THE REMAINING PORTION OF THE PARKING LOT AND STRUCTURE HW-1, RELATED PIPEWORK AND RIP-RAP. MAINTAIN SILT FENCE DOWN STREAM OF THE DISTURBED AREA. (3 WEEKS)
10. DURING GRADING AND AFTER EACH RAINFALL, THE CONTRACTOR SHALL INSPECT AND PROVIDE NECESSARY MAINTENANCE ON THE SEDIMENT AND EROSION CONTROL MEASURES SHOWN HEREON.
11. 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, WALES, DITCH PERIMETER SLOPES AND ALL SLOPES GREATER THAN 3:1.
  - B. 14 DAYS FOR ALL OTHER DISTURBED AREAS.
12. WITH THE APPROVAL OF THE SEDIMENT CONTROL INSPECTOR, REMOVE ALL SEDIMENT CONTROL MEASURES AND STABILIZE ALL AFFECTED AREAS. (1 DAY)

ROLLINS TRUCKING FACILITY OPERATION AND MAINTENANCE SCHEDULE PRIVATE INFILTRATION STORMWATER MANAGEMENT TRENCH

FOR THE FIRST YEAR AFTER COMPLETION OF CONSTRUCTION, THE MONITORING WELLS AND STRUCTURES S-2 THROUGH S-4 SHOULD BE INSPECTED ON A QUARTERLY BASIS AND AFTER EVERY LARGE STORM.

MONITORING WELLS

1. WATER LEVELS SHOULD BE RECORDED OVER A PERIOD OF SEVERAL DAYS TO INSURE TRENCH DRAINAGE.
2. IT IS RECOMMENDED THAT A LOG BOOK BE MAINTAINED TO DETERMINE THE RATE AT WHICH THE FACILITY DEWATERS.

STRUCTURES S-1, S-2, AND S-3

1. THESE WATER QUALITY STRUCTURES WILL REQUIRE PERIODIC CLEANING. THE DISPOSAL OF THE LIQUID AND SOLID DEBRIS SHOULD BE AS FOLLOWS:
  - A. ALL LIQUID MATERIAL IN THE SEPARATOR INLET SHALL BE PUMPED INTO A SUITABLE TANK TRUCK AND DISPOSED OF AT AN APPROVED SANITARY SEWER MANHOLE OR BE TAKEN TO AN APPROVED SEWAGE TREATMENT PLANT FOR DISCHARGE.
  - B. THE SOLID MATERIAL SHALL BE LANDFILLED IN AN APPROVED SANITARY LANDFILL.
2. THE INLET PIPES, TRASH RACKS, GRATES, AND STRUCTURAL PARTS SHALL BE REPAIRED AS NEEDED.

STRUCTURE S-4

1. INSPECT THIS STRUCTURE FOR EVIDENCE OF EXCESSIVE SEDIMENTATION, OIL, GREASE, GRIT, AND OTHER DEBRIS.
2. ANY EXCESSIVE ACCUMULATIONS SHOULD BE REMOVED TO AVOID CLOGGING THE FACILITY.

PARKING LOT DRAINAGE

1. INSPECT FOR SURFACE PONDING ADJACENT TO EACH STORM DRAIN INLET THAT COULD INDICATE LOCAL OR WIDE SPREAD CLOGGING.

ONCE THE PERFORMANCE CHARACTERISTICS OF THE FACILITY HAVE BEEN VERIFIED, THE MONITORING SCHEDULE CAN BE REDUCED TO AN ANNUAL BASIS UNLESS THE PERFORMANCE DATA INDICATE THAT A MORE FREQUENT SCHEDULE IS REQUIRED.

REFERENCES: "CONTROLLING URBAN RUNOFF: A PRACTICAL MANUAL FOR PLANNING AND DESIGNING URBAN BMP'S" WASHINGTON METROPOLITAN WATER RESOURCES PLANNING BOARD, JULY 1987.  
"STANDARDS AND SPECIFICATIONS FOR INFILTRATION PRACTICES" MARYLAND DNR, FEBRUARY 1994.

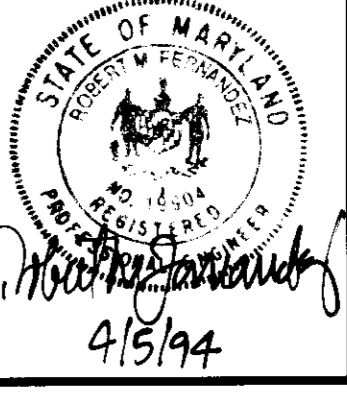
SEDIMENT EROSION CONTROL NOTES & DETAILS

ROLLINS TRUCKING FACILITY  
PARKING LOT

TAX MAP 48 PARCEL 104  
6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

JOHN E. HARMS, JR. AND ASSOCIATES, INC.

CONSULTING ENGINEERS - PLANNERS - SURVEYORS  
90 GOVERNOR RITCHIE HIGHWAY PASADENA, MARYLAND 21122 P.O. BOX 6 (410) 647-8000



DESIGN BY: R.J.N.  
DRAWN BY: J.E.H.  
CHECKED BY: R.M.F.  
DATE: MARCH 31, 1994  
SCALE: NONE  
W.O. NO.: 05-93-003A

11 SHEET OF 14

PERMANENT SEEDING NOTES

Apply to graded or cleared areas not subject to immediate further disturbance where a permanent, long-lived vegetative cover is needed.

Soiled Preparation: Loosen upper 3 inches of soil by raking, discing, or other acceptable means before seeding, if not previously loosened.

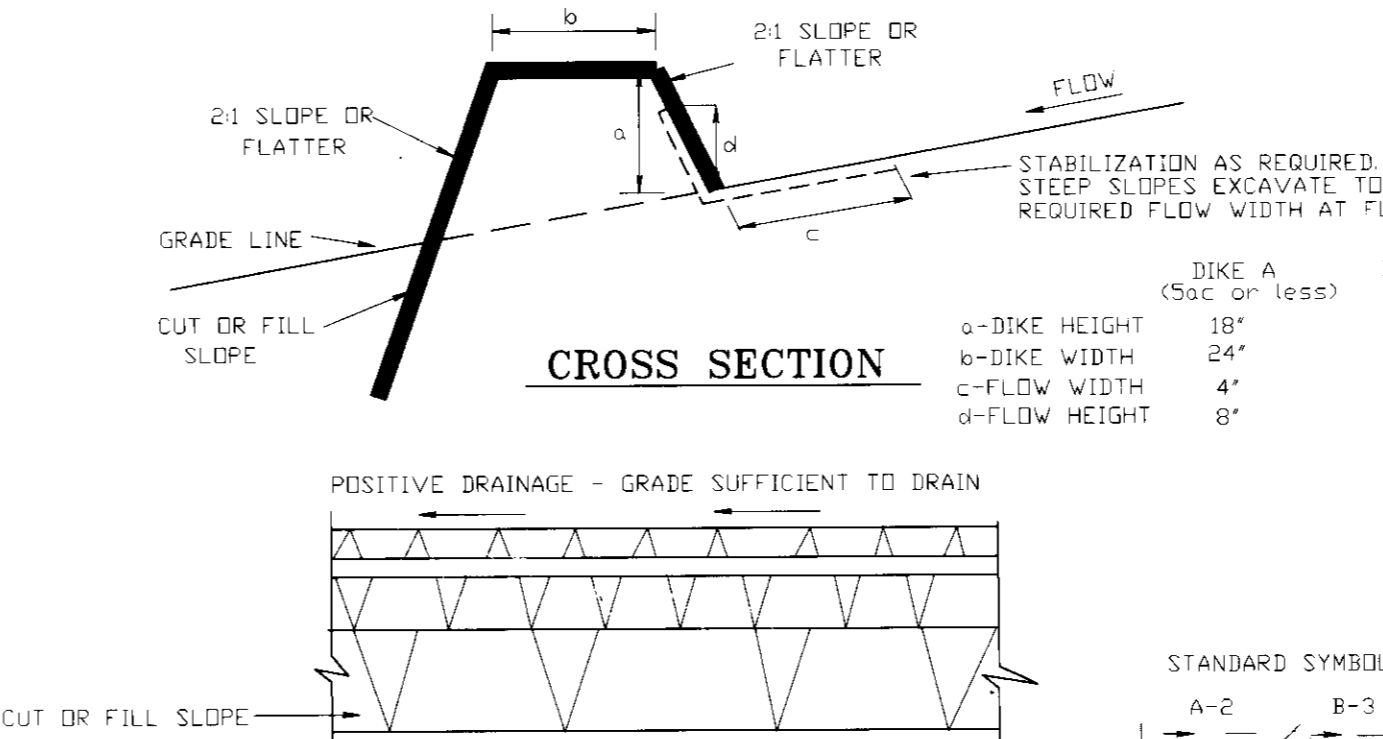
Soil Amendments: Use one of the following schedules:

- 1) 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 3 inches of soil. At time of seeding apply 400 lbs. per acre 30-0-0 ureaform fertilizer (9 lbs./1000 sq. ft.).
- 2) Acceptable- Apply 2 tons per acre dolomitic limestone (92 lbs./1000 sq. ft.) and 1000 lbs. per acre 10-10-10 fertilizer (25 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 (1.4 lbs./1000 sq. ft.) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs. of 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- Use sod. Option 3- Seed with 60 lbs. per acre Kentucky 31 Tall Fescue, and mulch with 2 tons per acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70-90 lbs./1000 sq. ft.) of unrotted 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.



CONSTRUCTION SPECIFICATIONS

1. ALL DIKES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
2. ALL DIKES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
3. TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
4. FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
5. EARTH DIKES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAP OR SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
6. DIVERTED RUNOFF FROM AN UNDISTURBED AREA SHALL OUTLET INTO AN UNDISTURBED STABILIZED AREA AT NON-EROSIVE VELOCITY.

FLOW CHANNEL STABILIZATION

| TREATMENT | CHANNEL GRADE | DIKE A   | DIKE B  |
|-----------|---------------|--|---|
| 1         | 5-3.0%        | SEED AND STRAW MULCH   | SEED AND STRAW MULCH  |
| 2         | 3:1-5:0%      | SEED AND STRAW MULCH   | SEED USING SOIL STABILIZATION MATTING OR SOI LINED RIP-RAP 4-8" |
| 3         | 5:1-8:0%      | SEED WITH SOIL STABILIZATION MATTING OR SOI LINED RIP-RAP 4-8" | ENGINEERING DESIGN  |
| 4         | 8:1-20%       |  |   |

EARTH DIKE N.T.S.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
DIRECTOR DATE 6/22/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR DATE 6/16/94

TEMPORARY SEEDING

Apply to graded or cleared areas likely to be redisturbed where a short-term vegetative cover is needed.

Soiled 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 ryegrass (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 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 feet 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.

SEDIMENT CONTROL NOTES

A minimum of 48 hours notice must be given to the Howard County Department of Engineering, Planning and Zoning before construction begins. Refer to the start of any construction (313-1885).

Stabilization of all disturbed areas shall be completed 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, and revisions thereto.

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 3:1, (b) 14 days as to all other disturbed or graded areas on the project site.

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.

All disturbed areas must be stabilized within the time period specified above accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seeding (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 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

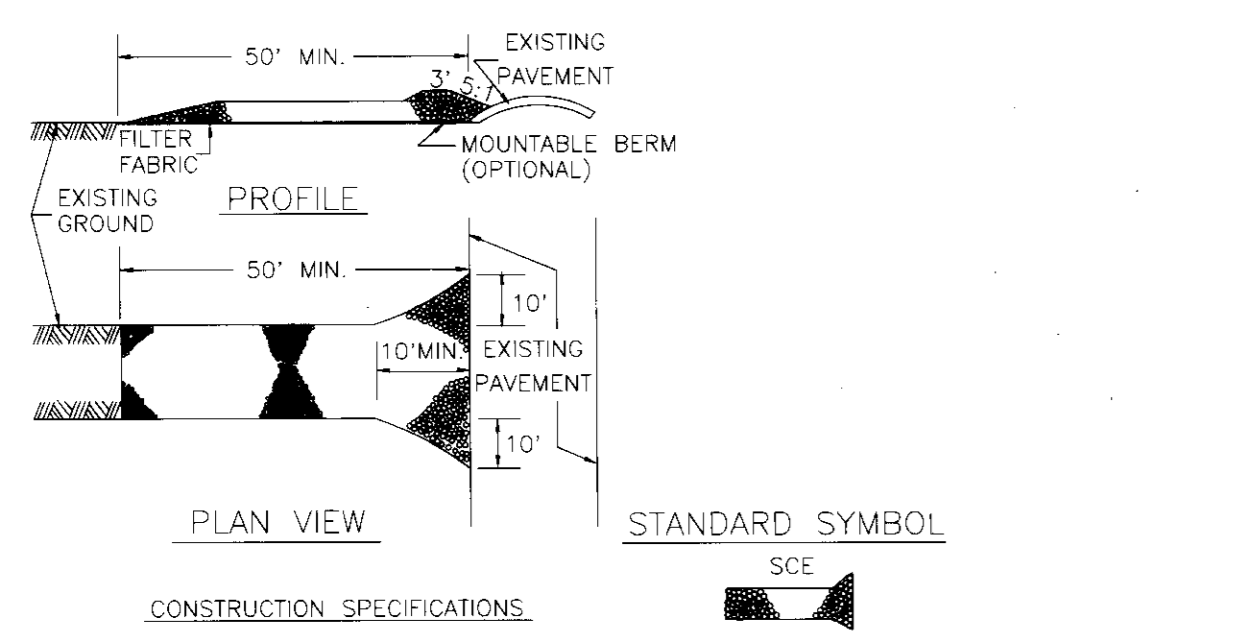
|                                    |   |
|------------------------------------|---|
| area of site                       | 215 acres   |
| area disturbed                     | 48 acres  |
| area to be roofed or paved         | 65 acres  |
| soil to be vegetatively stabilized | 83 cu. yds.   |
| total cut                          | 400 cu. yds.  |
| total fill                         | 500 cu. yds.  |
| site waste/borrow area location    | to be determined by contractor with pre-approval of the Sediment Control Inspector. |

Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.

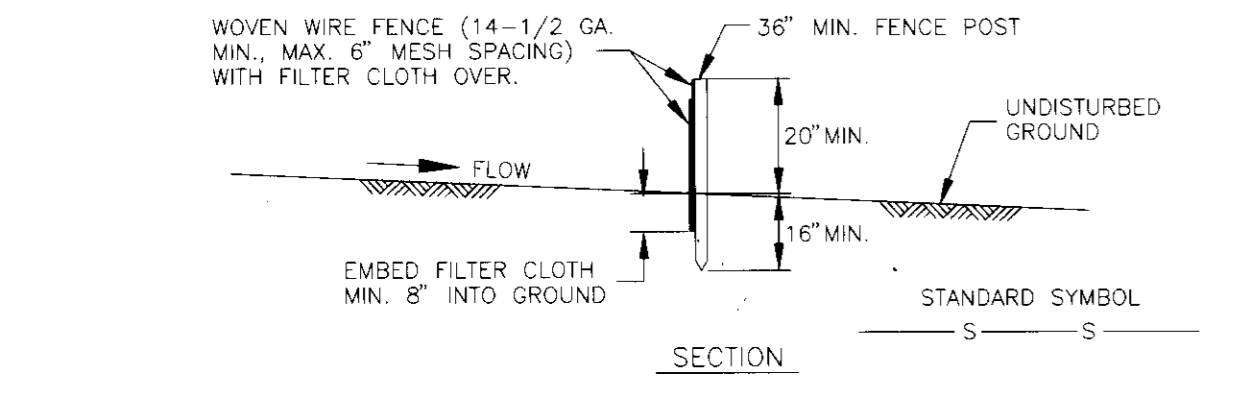
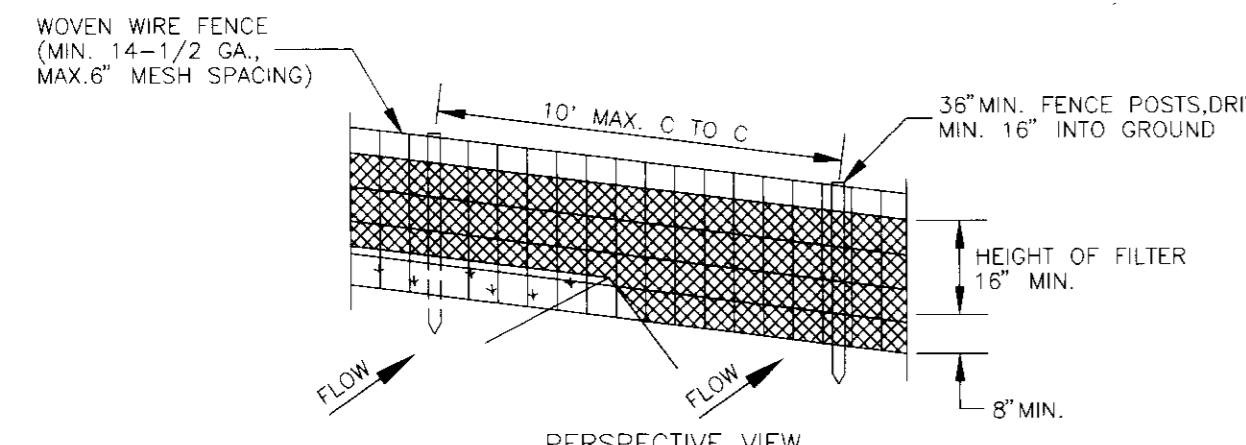
Additional sediment control must be provided if deemed necessary by the Howard County Sediment Control Inspector.

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.

Trenches for the construction of utilities is limited to three pipe lengths or that



- CONSTRUCTION SPECIFICATIONS
1. STONE SIZE - USE 2" STONE, OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
  2. LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENT LOT WHERE A 30 FOOT MINIMUM LENGTH WOULD APPLY).
  3. THICKNESS - NOT LESS THAN SIX (6) INCHES.
  4. WIDTH - TEN (10) FOOT MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINT WHERE INGRESS AND EGRESS OCCURS.
  5. FILTER CLOTH - WILL BE PLACED OVER ENTIRE AREA PRIOR TO LAYING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY LOT.
  6. SURFACE WATER - ALL SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE Piped ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PERMITTED.
  7. 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 CLEANOUT OF ANY MEASURES USED TO TRAP SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
  8. WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE INTO 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 NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.



SILT FENCE DETAILS

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

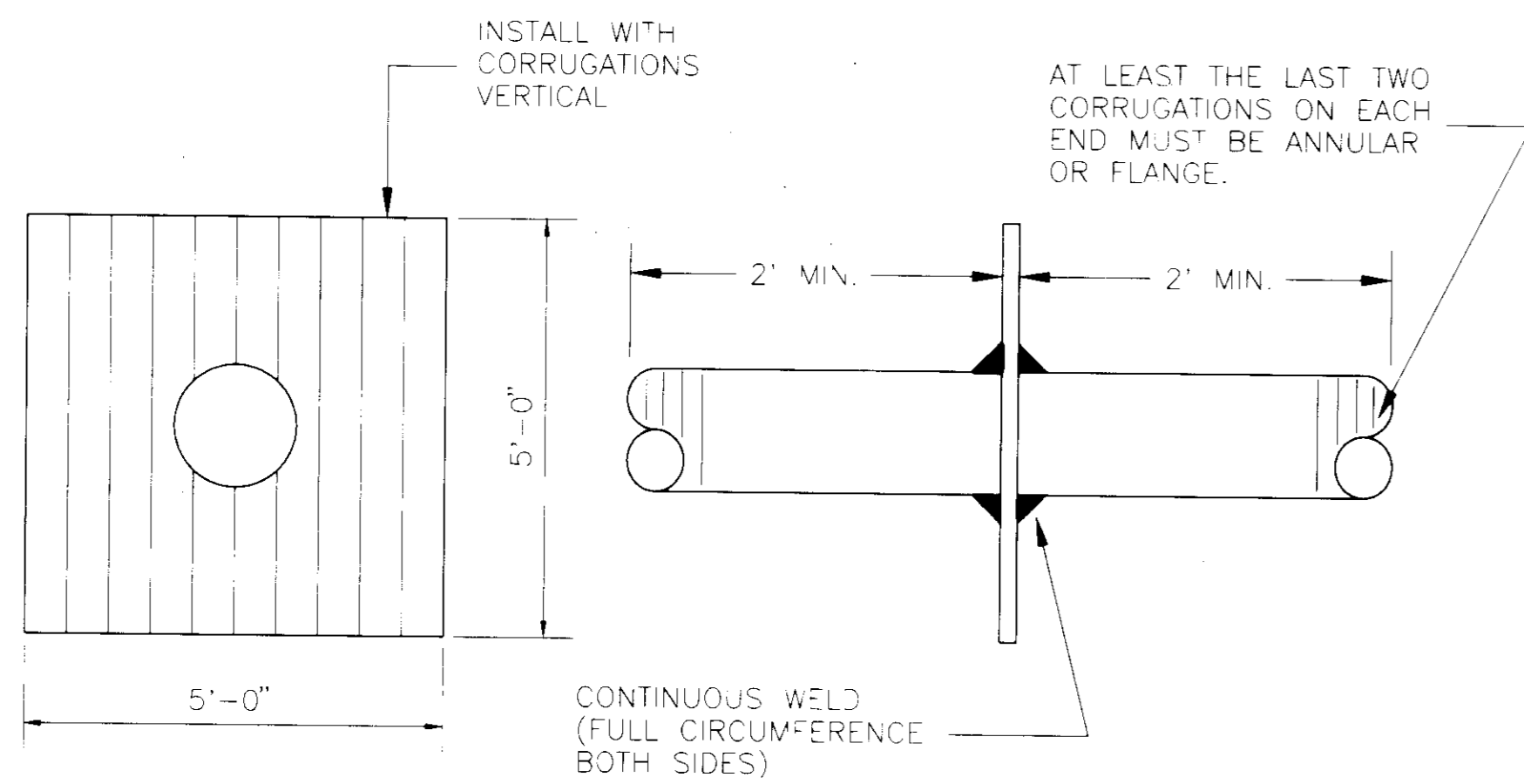
1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP & MID SECTION.
3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY 6" AND FOLDED.
4. MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

ENGINEERS CERTIFICATE  
"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."  
SIGNATURE OF ENGINEER: Robert J. Novak  
DATE: 4/5/94

DEVELOPER'S CERTIFICATE  
"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."  
SIGNATURE OF DEVELOPER: Daniel P. Norman  
DATE: 4/28/94

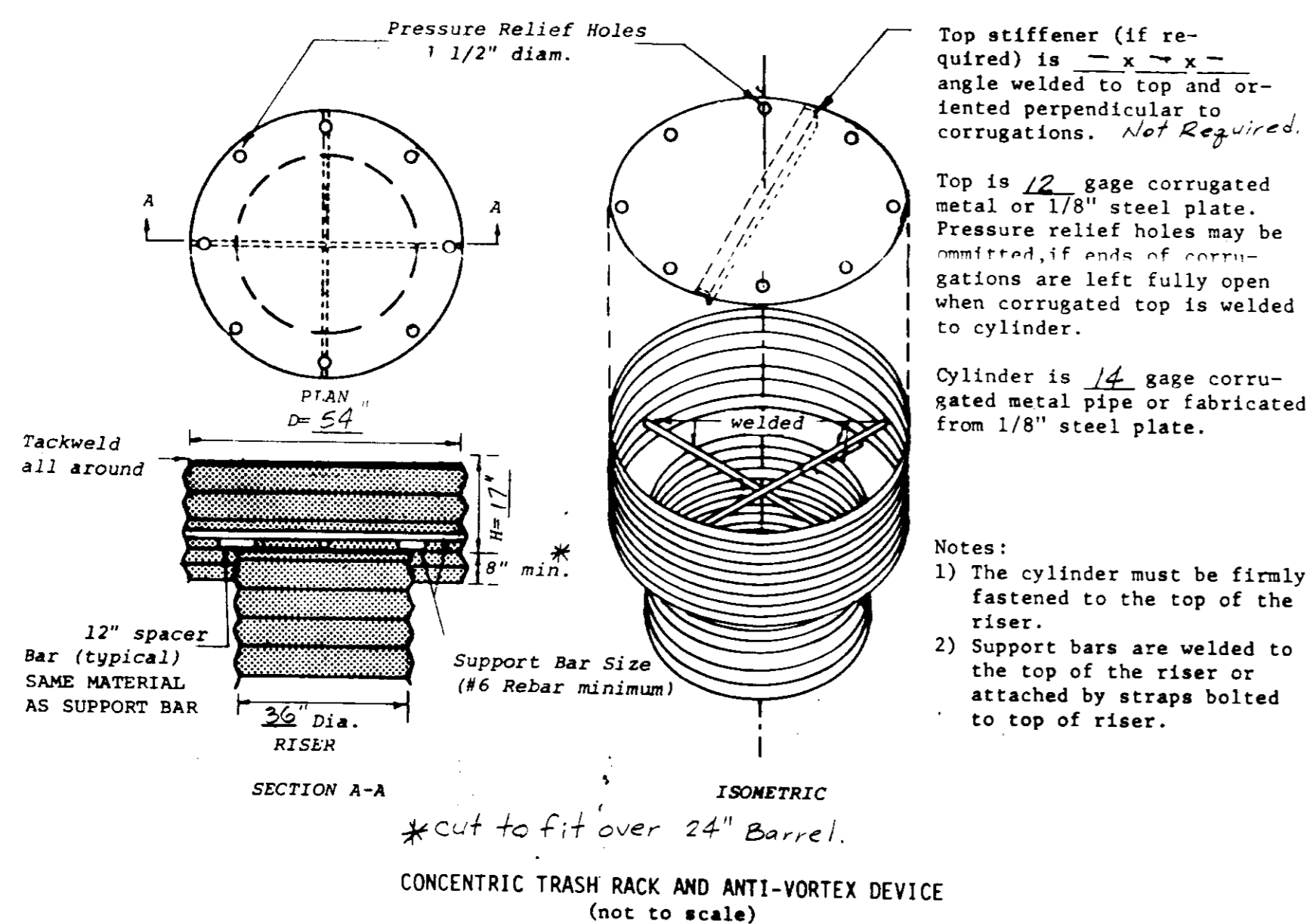
REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.  
J. C. Waples / C.S. [signature]  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH  
DATE: 4/19/94  
APPROVED: FOR EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT  
APPROVED: [signature]  
CHIEF, BUREAU OF ENGINEERING  
DATE: 4/19/94

FILE: SH72.DWG



NOTE: COLLAR WELDED IN PLACE ON BARREL SECTION.  
DO NOT PLACE WITHIN 2'-0" OF A JOINT.

**ANTI-SEEP COLLAR DETAIL**  
NOT TO SCALE



**CONCENTRIC TRASH RACK AND ANTI-VORTEX DEVICE**  
(not to scale)

**CONSTRUCTION SPECIFICATIONS**

**Site Preparation**

Areas under the embankment shall be cleared, grubbed, and stripped of topsoil to remove trees, vegetation, roots or other objectionable material. In order to facilitate clean-out and restoration, the pool area (measured at the top of the pipe spillway) will be cleared of all brush, trees, and other objectionable materials.

**Cut-off-Trench**

A cut-off trench shall be excavated along the centerline of earth fill embankments. The minimum depth shall be two feet. The cut-off trench shall extend out both abutments to the riser crest elevation. The minimum bottom width shall be four feet, but wide enough to permit operation of excavation and compaction equipment. The side slopes shall be no steeper than 1:1. Compaction requirements shall be the same as those for embankment. The trench shall be dewatered during the backfilling-compaction operations.

**Embankment**

The fill material shall be taken from approved areas shown on the plans. It shall be clean mineral soil free of roots, woody vegetation, oversized stones, rocks, or other objectionable material. Relatively pervious materials such as sand or gravel (Unified Soil Classes GW, GP, SW & SP) shall not be placed in the embankment. Areas on which fill is to be placed shall be scarified prior to placement of fill. The fill material shall contain sufficient moisture so that it can be formed by hand into a ball without crumbling. If water can be squeezed out of the ball, it is too wet for proper compaction. Fill material shall be placed six-inch to eight-inch thick continuous layers over the entire length of the fill. Compaction shall be obtained by routing and hauling the construction equipment over the fill so that the entire surface of each layer of the fill is traversed by at least one wheel or tread track of the equipment or by the use of a compactor. The embankment shall be constructed to an elevation 10 percent higher than the design height to allow for settlement.

**Pipe Spillways**

The riser shall be securely attached to the barrel or barrel stub by welding the full circumference making a watertight structural connection. The barrel stub must be attached to the riser at the same percent (angle) of grade as the outlet conduit. The connection between the riser and the riser base shall be watertight. All connections between barrel sections must be achieved by approved watertight band assemblies (See page 18.22, 1983 specs. for details.) The barrel and riser shall be placed on a firm, smooth foundation of impervious soil. Previous materials such as sand, gravel, or crushed stone shall not be used as backfill around the pipe or anti-seep collars. The fill material around the pipe spillway shall be placed in four inch layers and compacted under and around the pipe to at least the same density as the adjacent embankment.

A minimum depth of two feet of hand compacted backfill shall be placed over the pipe spillway before crossing it with construction equipment. Steel base plates or risers shall have at least 2'-1/2 feet of compacted earth, stone or gravel placed over it to prevent flotation.

**Emergency Spillway**

The emergency spillway shall be installed in undisturbed ground. The achievement of planned elevations, grades, design width, entrance and exit channel slopes are critical to the successful operation of the emergency spillway and must be constructed with a tolerance of  $\pm 0.2$  feet.

**Vegetative Treatment**

Stabilize the embankment and emergency spillway in accordance with the appropriate vegetative Standard and Specifications immediately following construction. In no case shall the embankment remain unstabilized for more than seven (7) days.

**Erosion and Pollution Control**

Construction operations shall be carried out in such a manner that erosion and water pollution will be minimized. State and local laws shall be complied with concerning pollution abatement.

**Safety**

State and local requirements shall be met concerning fencing and signs, warning the public of hazards of soft sediment and floodwater.

**Maintenance**

1. Repair all damages caused by erosion and construction equipment at or before the end of each working day.
2. Sediment shall be removed from the basin when it reaches the specified distance below the top of the riser. This sediment shall be placed in such a manner that it will not erode from the site. The sediment shall be deposited at a distance from the embankment adjacent to a stream or flood plain.

**Final Disposal**

When temporary structures have served their intended purpose, the contractor shall provide and install permanent structures, including embankment and retaining structures, as shown on the plans. The contractor shall be responsible for the removal of all temporary structures and for the disposal of all materials used in their construction. The contractor shall be responsible for the disposal of all materials used in their construction. The contractor shall be responsible for the disposal of all materials used in their construction.

Retention of all materials used in their construction shall be the responsibility of the contractor.

**STORMWATER MANAGEMENT FACILITY AS-BUILT PROCEDURE**

- I. The owner shall obtain the services of a Maryland Registered Professional Engineer during construction to perform observation, testing and preparation of as-built drawings of the proposed stormwater management facility.
- II. The contractor shall notify the engineer at least 72 hours in advance for observation and surveying of the facility at the following times during construction.
  1. Construction of facility outlet pipe.
  2. Completion of the trench excavation.
  3. Installation of the filter cloth.
  4. Installation of the dewatering pipes.
  5. Placement of gravel fill.
  6. Installation of the distribution pipes.
  7. Construction of control structures and observation well.

NOTE: The contractor shall not deviate from the proposed design of the stormwater management facility as shown on the approved site development plan without notification of the design engineer and approval of Howard County.

III. The engineer shall prepare as-built drawings of the completed stormwater management facility in accordance with current Howard County regulations and submit them to Howard County for review and approval.

**SEDIMENT EROSION CONTROL NOTES & DETAILS**  
ROLLINS PARKING FACILITY

TAX MAP 4B PARCEL 104  
6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS - PLANNERS - SURVEYORS

80 GOVERNOR RITCHIE HIGHWAY  
PASADENA, MARYLAND 21122

P.O. BOX 5  
(410) 847-0000

DESIGN BY: R.J.N.  
DRAWN BY: M.D.M.  
CHECKED BY: R.M.F.  
DATE: MARCH 31, 1994  
SCALE: NONE  
W.O. NO.: 05-93-003A

12 SHEET OF 14

**ENGINEERS CERTIFICATE**

"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."

*Robert J. N...* 4/5/94  
SIGNATURE OF ENGINEER DATE

**DEVELOPER'S CERTIFICATE**

"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."

*David P. ...* 4/8/94  
SIGNATURE OF DEVELOPER DATE

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS.

*J. G. ...* 4/8/94  
U.S. SOIL CONSERVATION SERVICE DATE

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

*...* 4/10/94  
APPROVED: HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT

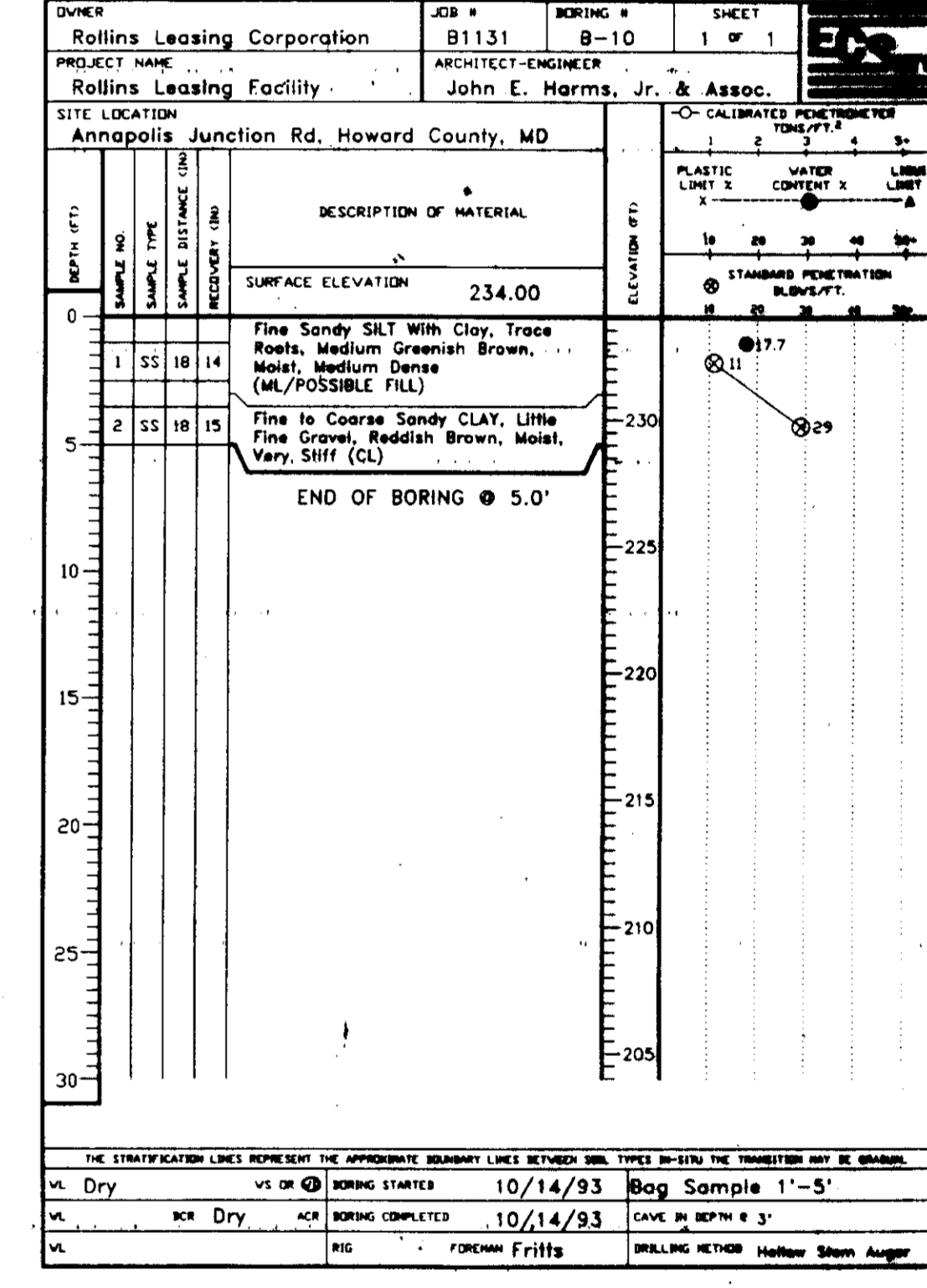
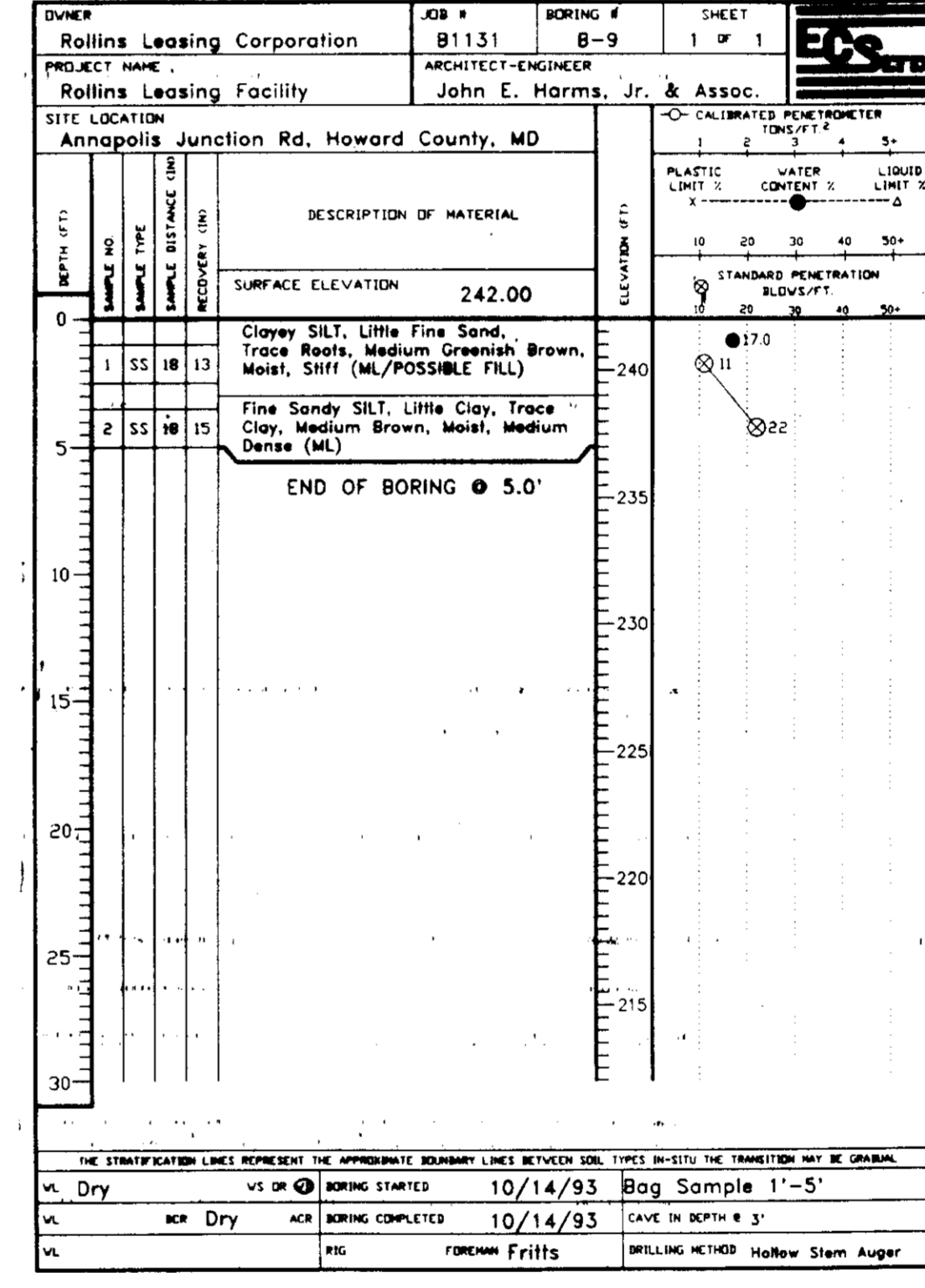
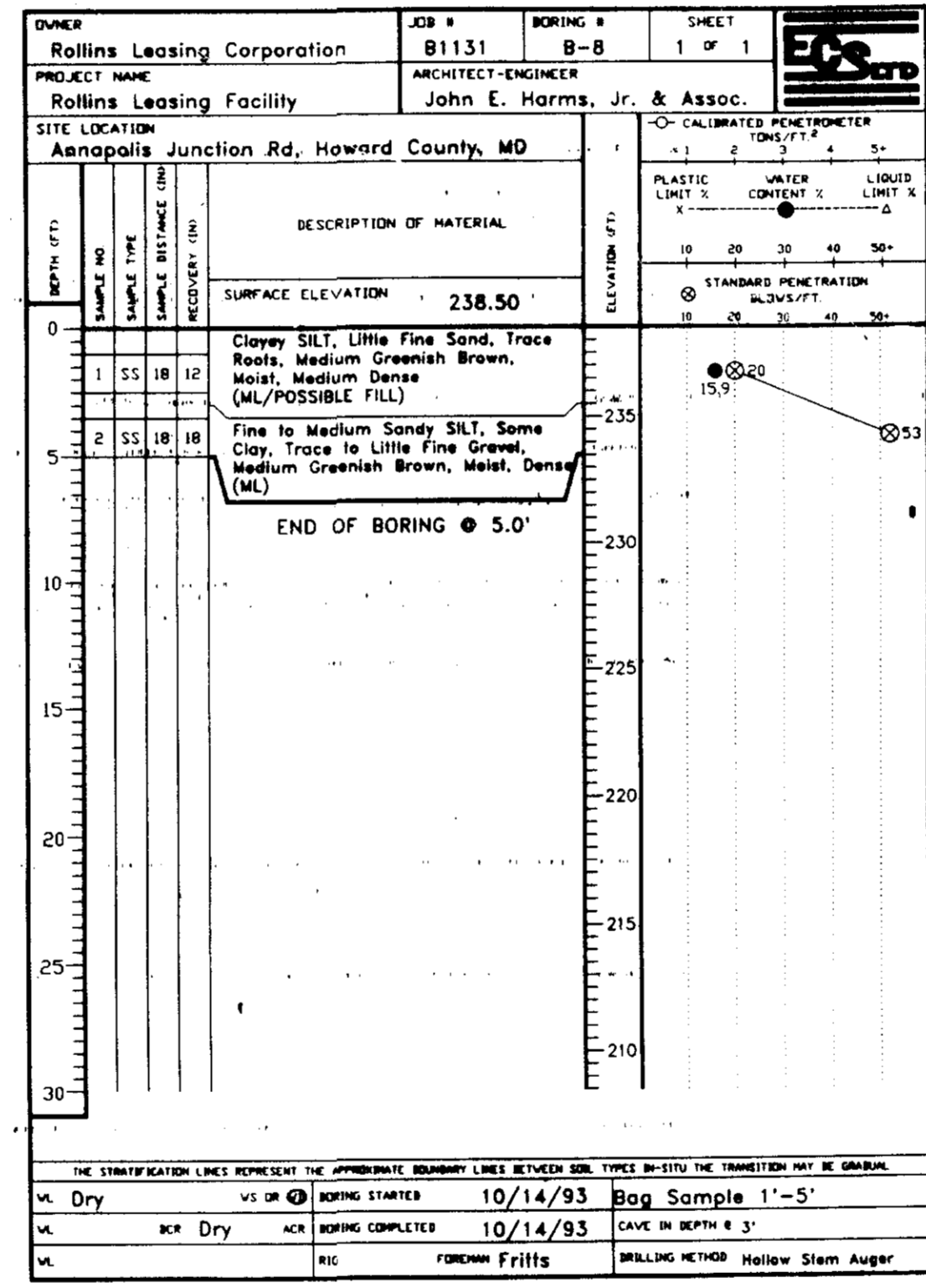
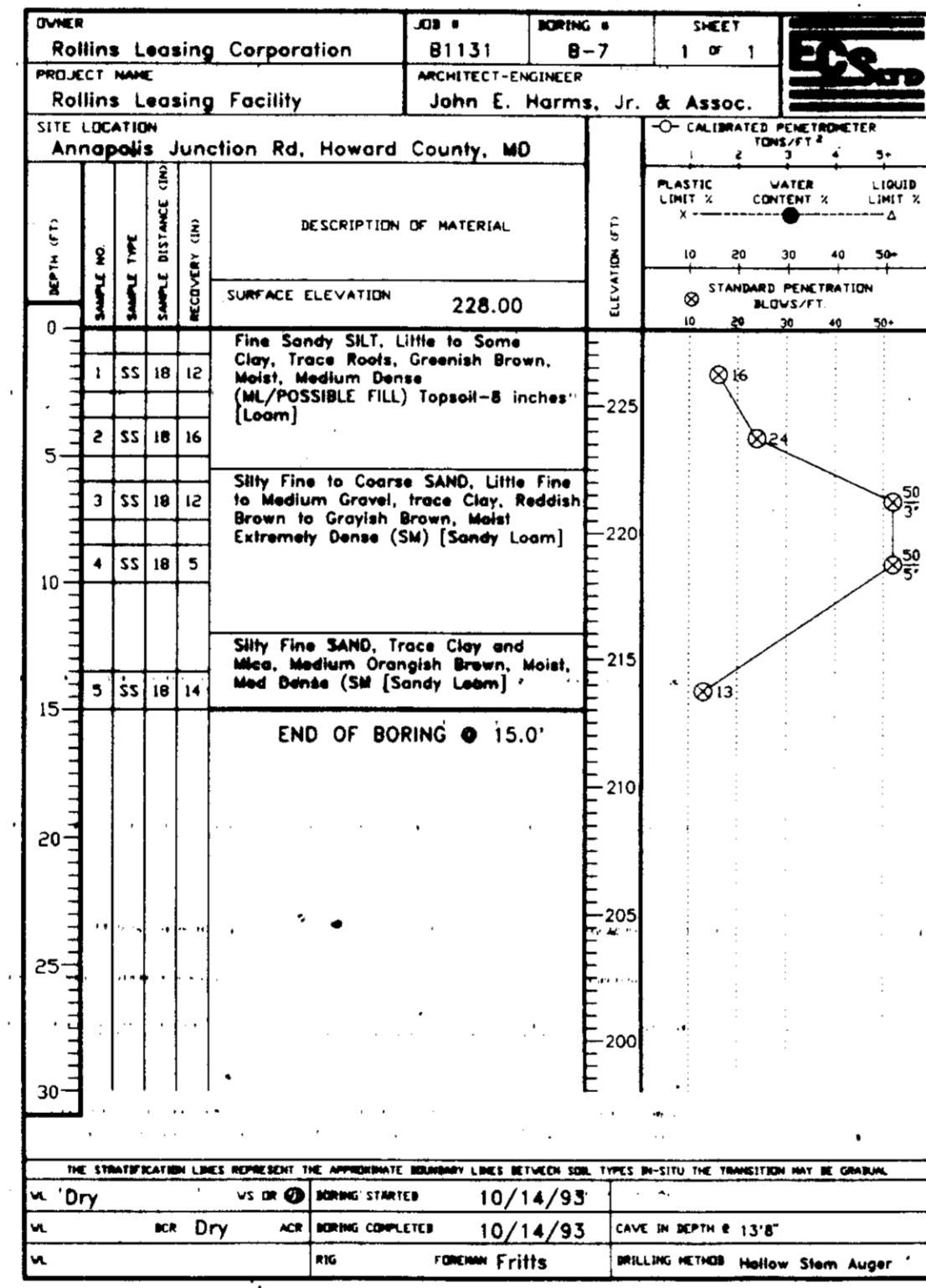
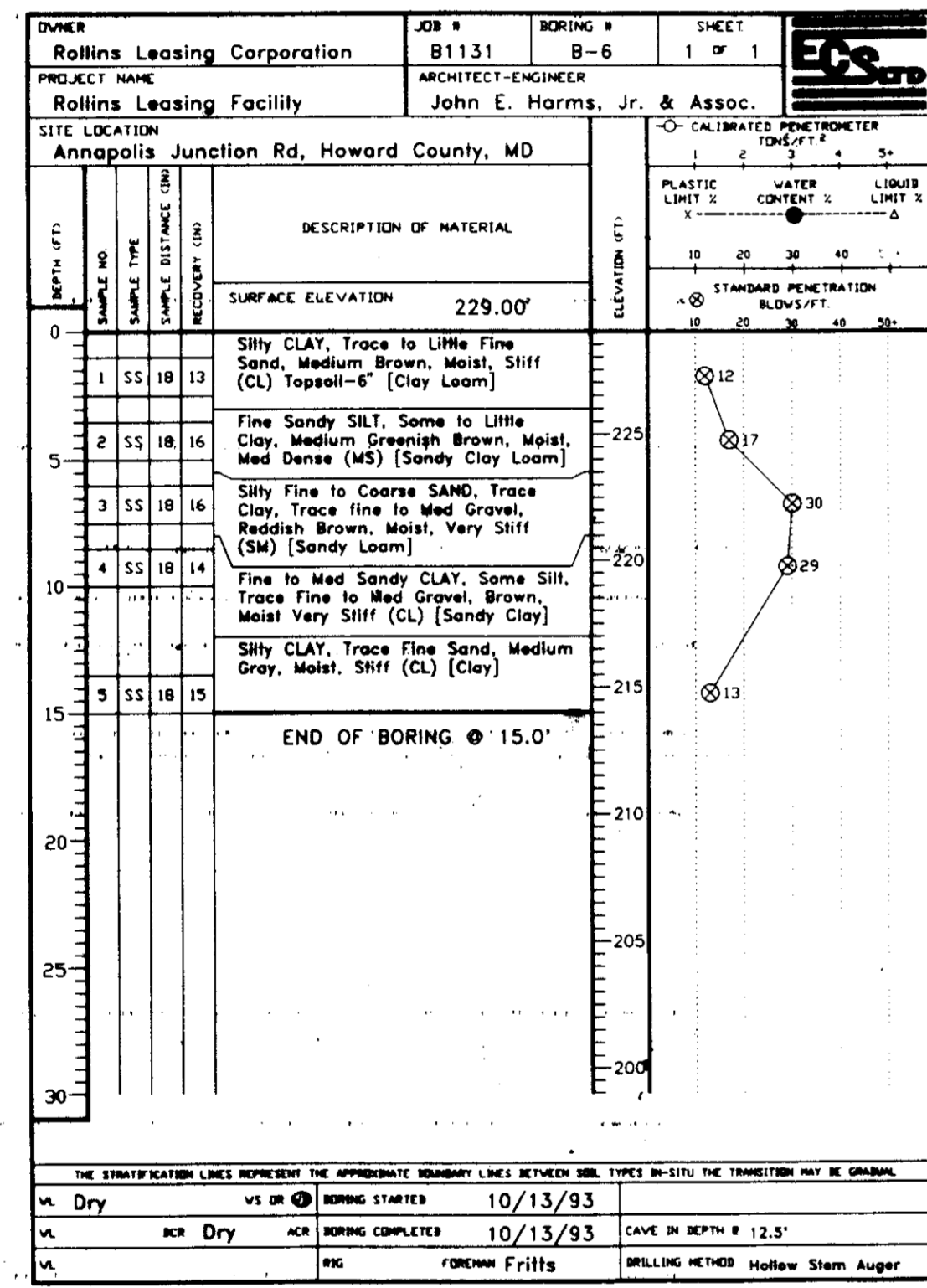
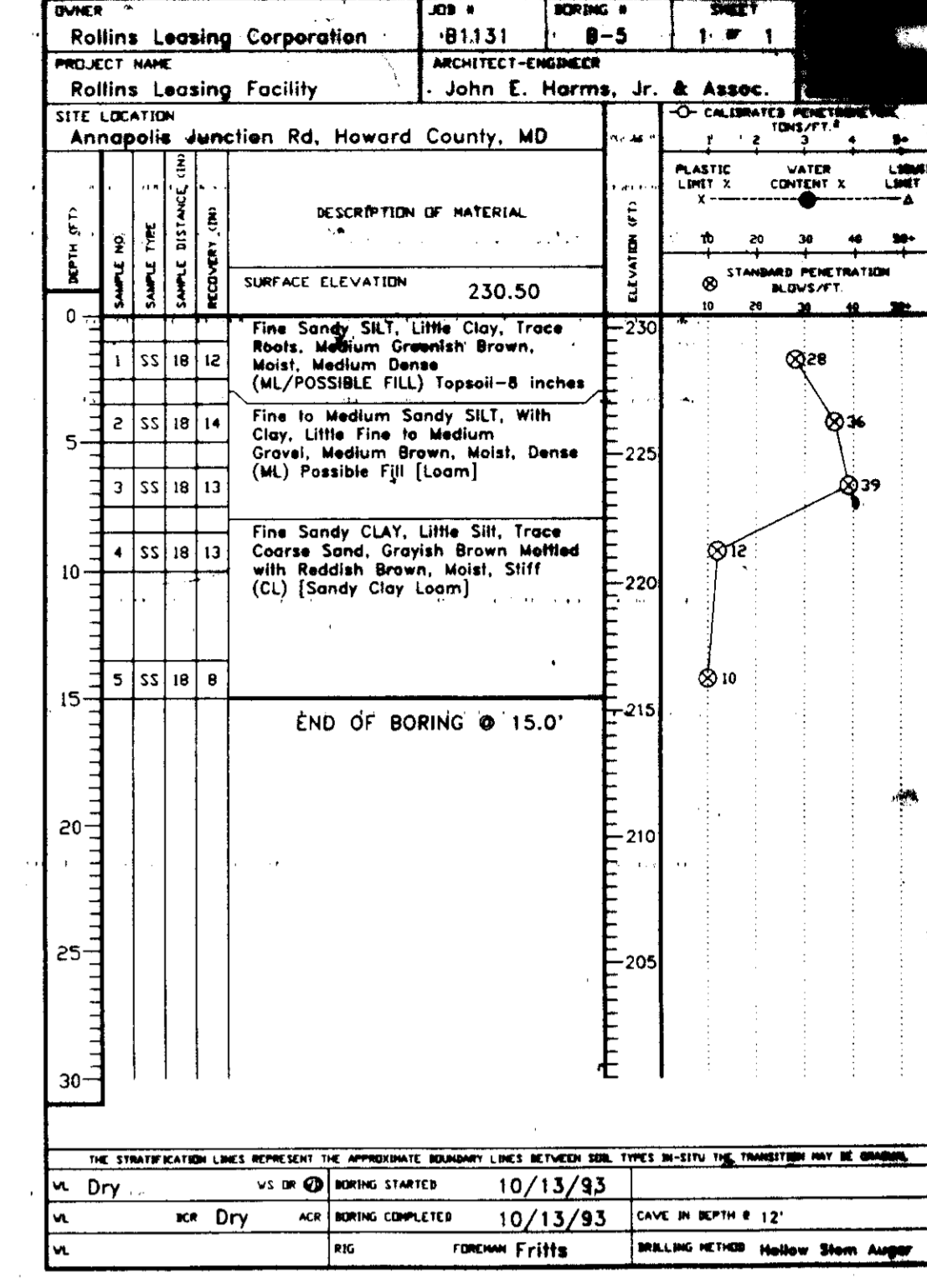
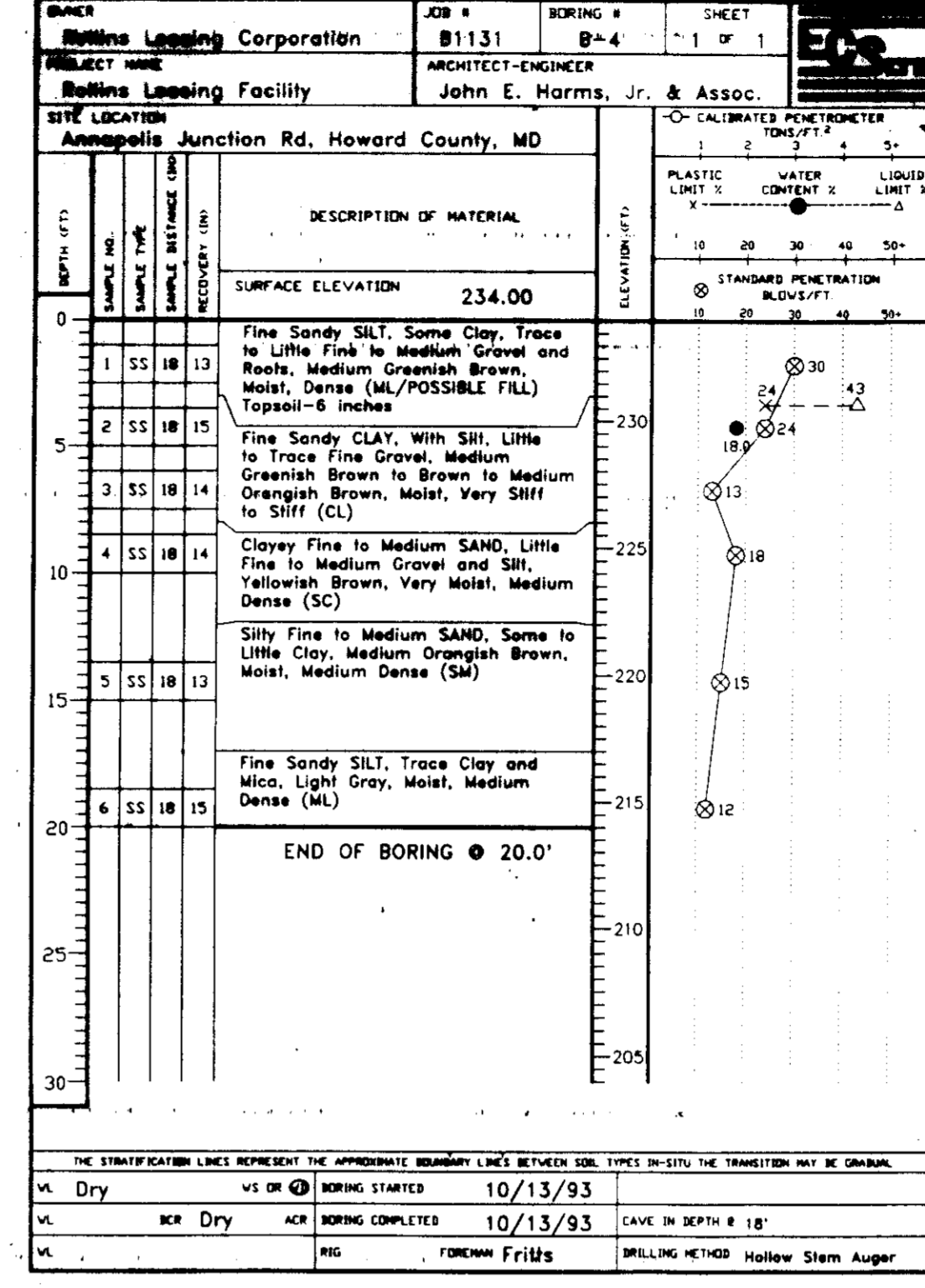
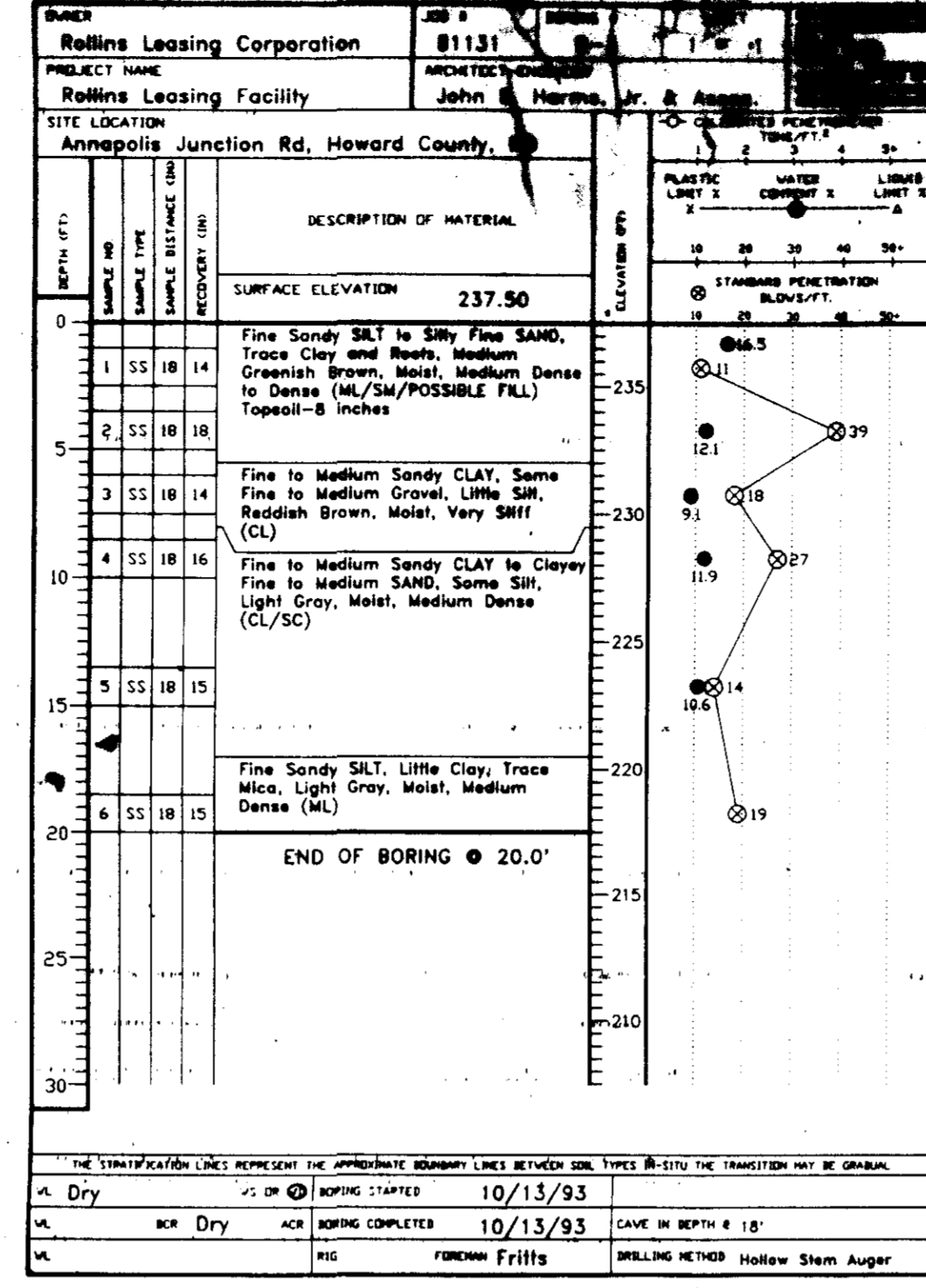
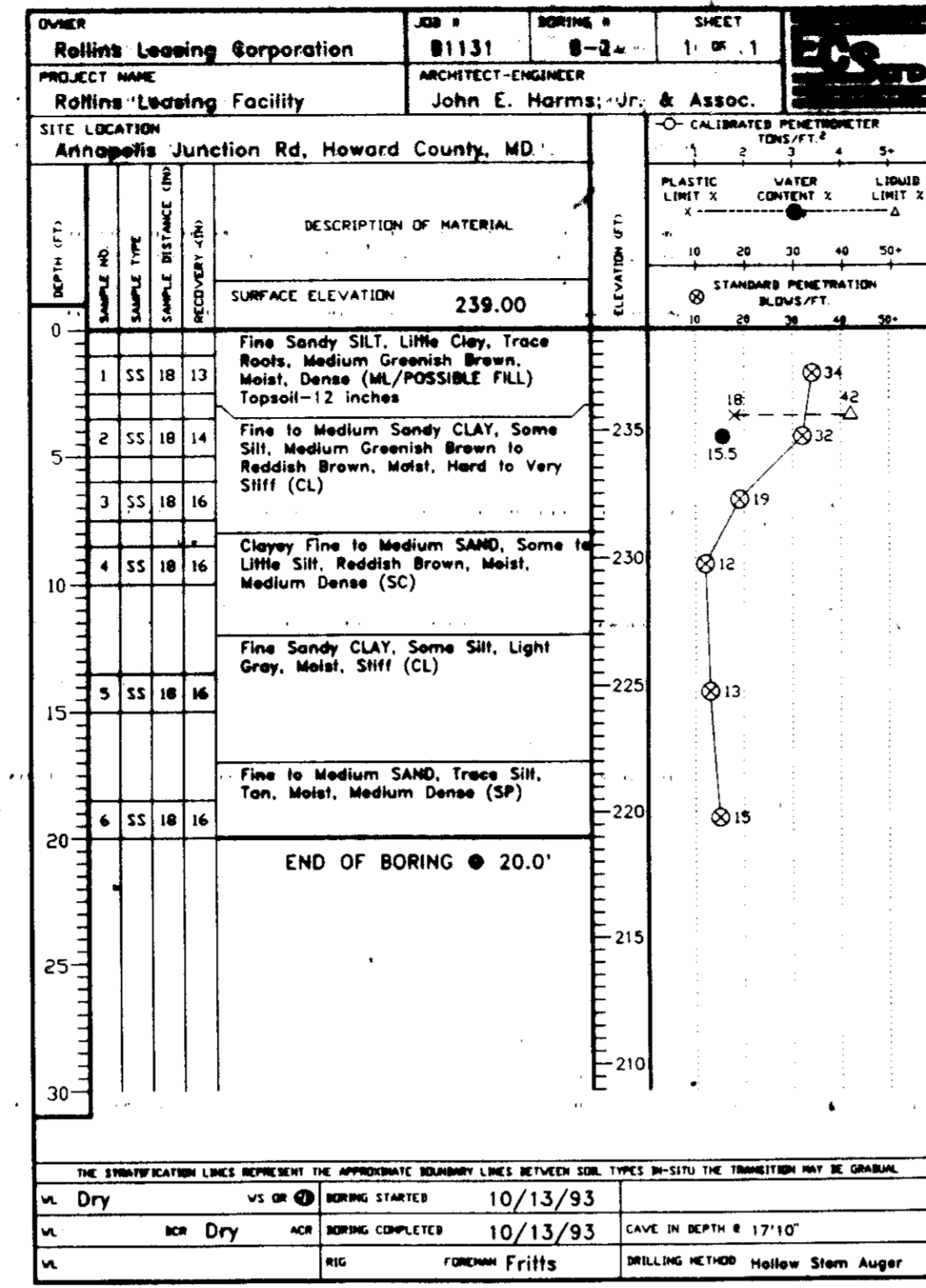
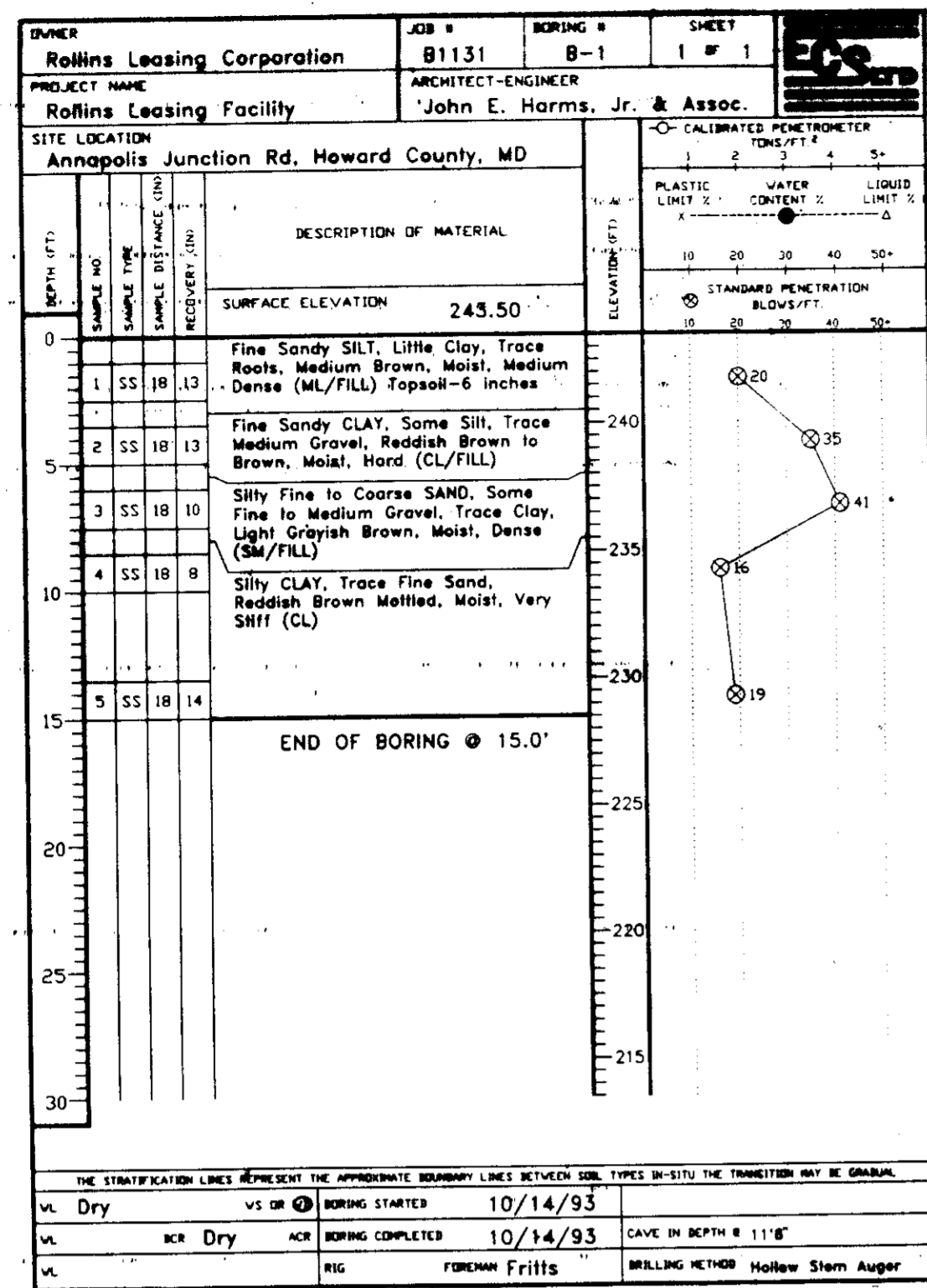
APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*...* 6/22/94  
DIRECTOR DATE  
*...* 6/22/94  
CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS

*...* 6/16/94  
DIRECTOR DATE  
*...* 6/16/94  
CHIEF, BUREAU OF ENGINEERING DATE

| SUBDIVISION NAME      |           | SECTION/AREA | PARCEL NUMBER |              |            |
|-----------------------|-----------|--------------|---------------|--------------|------------|
| ROLLINS LEASING CORP. |           | N/A          | 104           |              |            |
| DEED                  | BLOCK NO. | ZONE         | TAX/ZONE      | ELECT. DIST. | CENSUS TR. |
| 2907/310              | 13        | M-2          | 4B            | 6 TH         | 6069.02    |
| WATER CODE            |           | SEWER CODE   |               |              |            |
| C 04                  |           | 4110000      |               |              |            |



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT

COUNTY HEALTH OFFICER \_\_\_\_\_ DATE 6/22/94

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING

*James R. Smith* DIRECTOR DATE 6/22/94

*Jim Simpson* CHIEF, DIVISION OF LAND DEVELOPMENT AND RESEARCH DATE 6/22/94

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*James R. Smith* DIRECTOR DATE 6/22/94

*Paul R. ...* CHIEF, BUREAU OF ENGINEERING DATE 6/22/94

REVIEWED FOR HOWARD SOIL CONSERVATION DISTRICT AND MEETS TECHNICAL REQUIREMENTS

U.S. SOIL CONSERVATION SERVICE DATE \_\_\_\_\_

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

APPROVED: \_\_\_\_\_ DATE \_\_\_\_\_

|  |                       |                       |
|--|-----------------------|-----------------------|
| SUBDIVISION NAME<br>ROLLINS LEASING CORP | SECTION/AREA<br>N/A   | PARCEL NUMBER<br>104  |
| DEED<br>2907/313                         | BLOCK NO.<br>13       | TAX/ZONE<br>M-2 48    |
| ELECT. DIST.<br>6 TH                     | CENSUS TR.<br>6069.02 | SEWER CODE<br>4110000 |
| WATER CODE<br>C 04                       |                       |                       |

**SITE DEVELOPMENT PLAN**  
**SOIL BORING LOGS**  
 ROLLINS LEASING CORP.  
 TRUCK FACILITY

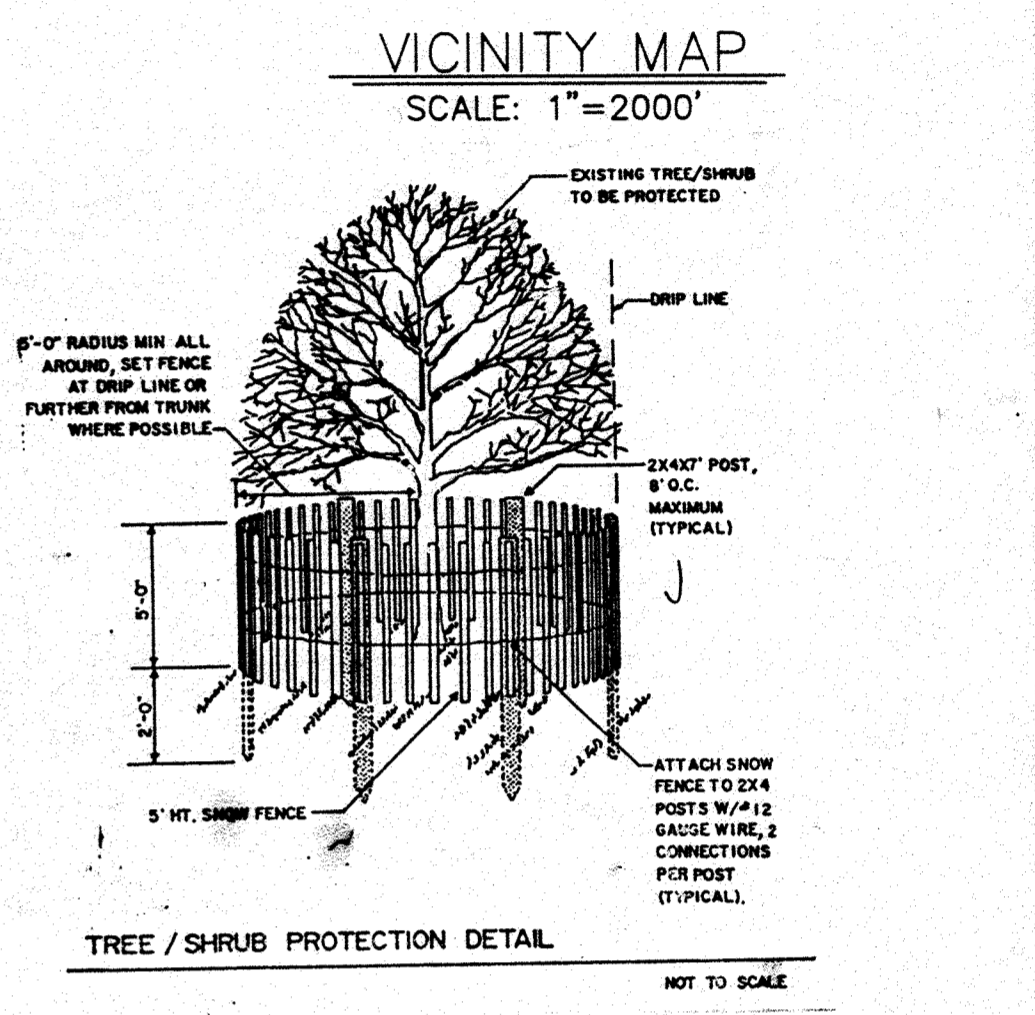
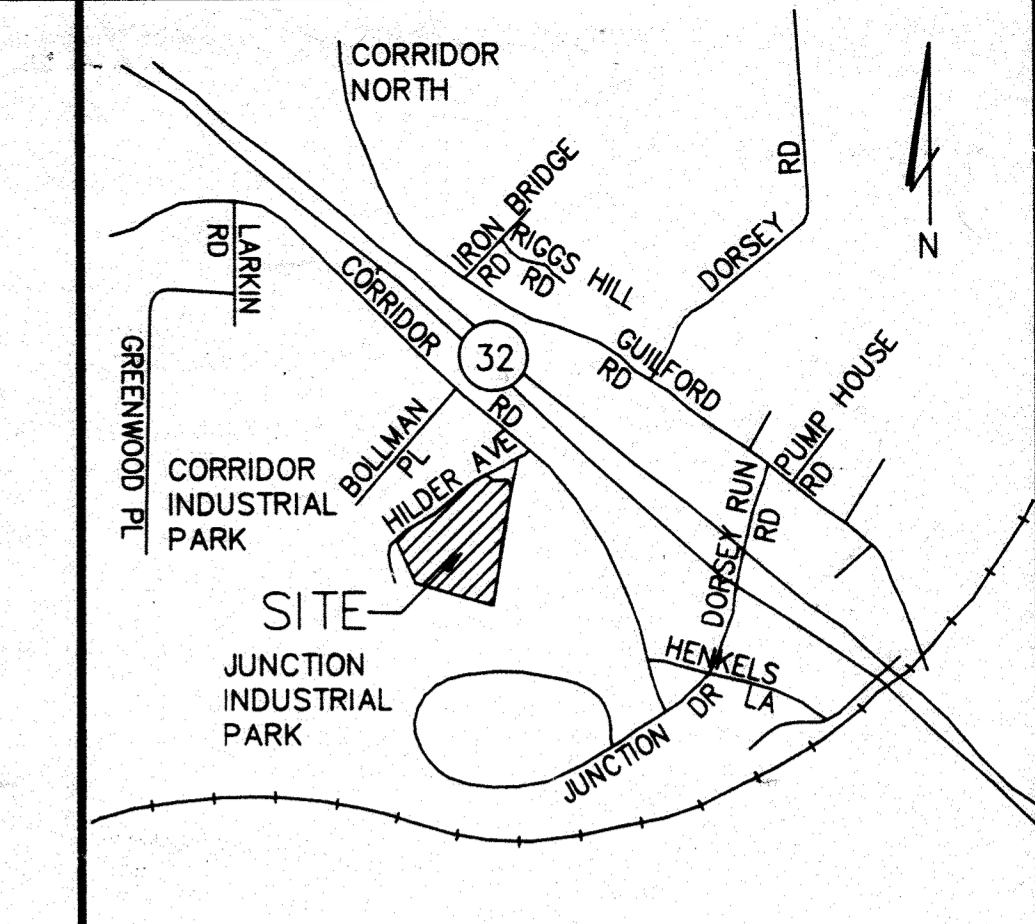
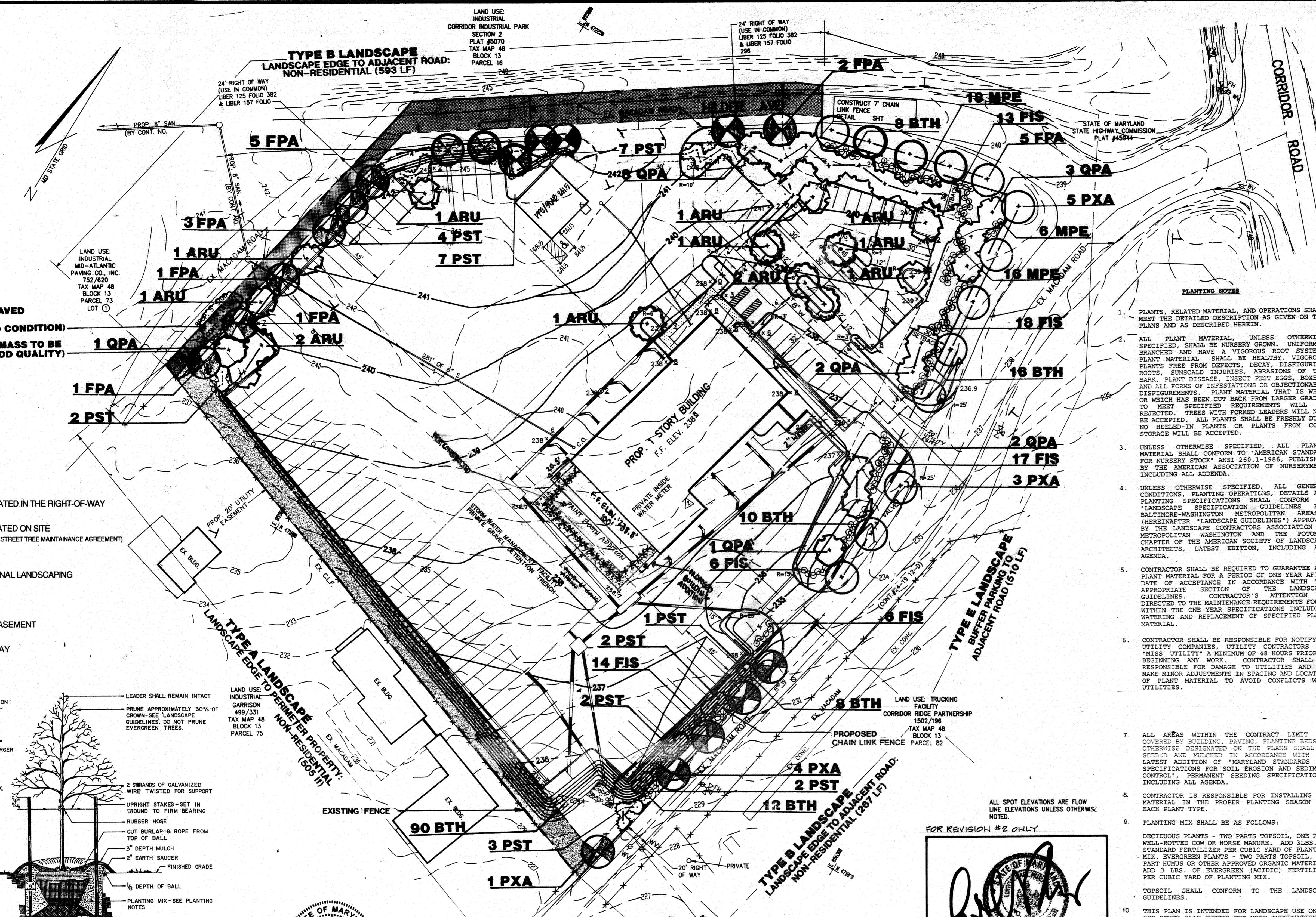
TAX MAP 48 PARCEL 104  
 6 TH ELECTION DISTRICT HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
 CONSULTING ENGINEERS - PLANNERS - SURVEYORS

80 GOVERNOR RITCHIE HIGHWAY  
 PARDENNA, MARYLAND 21122 (410) 647-0000

DESIGN BY: T.G.B.  
 DRAWN BY: \_\_\_\_\_  
 CHECKED BY: R.M.F.  
 DATE: MARCH 31, 1994  
 SCALE: NONE  
 W.O. NO.: 08-93-003A

13 SHEET OF 14



**SCHEDULE B**  
PARKING LOT INTERNAL LANDSCAPING

|                                |    |
|--------------------------------|----|
| Number of Parking Spaces       | 48 |
| Number of Trees Required       | 3  |
| Number of Trees Provided       | 5  |
| Other Trees (2:1 substitution) |    |

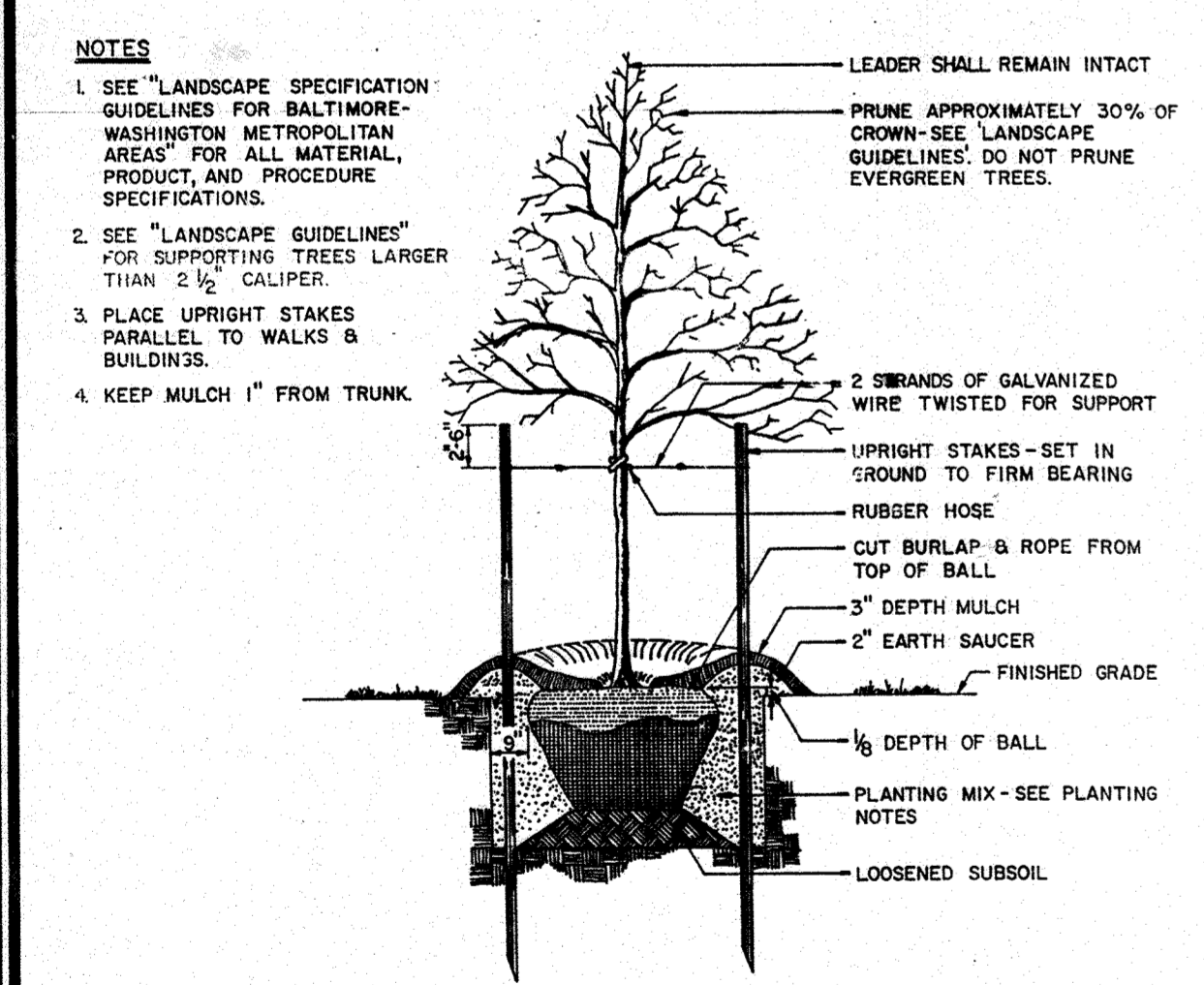
**SCHEDULE A**  
PERIMETER LANDSCAPE EDGE

| CATEGORY  | ADJACENT TO ROADWAYS |      | ADJACENT TO PERIMETER PROPERTIES |
|---|----------------------|------|----------------------------------|
|   | B                    | E    |                                  |
| LANDSCAPE TYPE  | B                    | E    | A                                |
| LINEAR FEET OF ROADWAY FRONTAGE/PERMETER              | 860±                 | 510± | 505±                             |
| CREDIT FOR EXISTING VEGETATION (YES, NO, LINEAR FEET) | NO                   | NO   | NO                               |
| NUMBER OF PLANTS REQUIRED                             |                      |      |                                  |
| SHADE TREES   | 17                   | 13   | 9                                |
| EVERGREEN TREES                                       | 22                   | -    | -                                |
| SHRUBS  | -                    | 128  | -                                |
| NUMBER OF PLANTS PROVIDED                             |                      |      |                                  |
| SHADE TREES   | 9                    | 13   | -                                |
| EVERGREEN TREES                                       | 22                   | -    | -                                |
| SHRUBS  | -                    | 128  | -                                |
| OTHER TREES (2:1 SUBSTITUTION)                        | 8                    | -    | -                                |
| SHRUBS (1:1 SUBSTITUTION)                             | 40                   | -    | 90                               |

**EX TREES TO BE SAVED (HEMLOCKS & BEECHES IN GOOD CONDITION)**

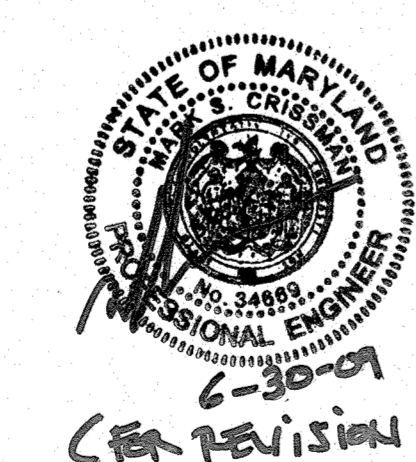
**EX SHRUB MASS TO BE SAVED (GOOD QUALITY)**

- LEGEND**
- STREET TREES LOCATED IN THE RIGHT-OF-WAY
  - STREET TREES LOCATED ON SITE (TO BE INCORPORATED IN A STREET TREE MAINTENANCE AGREEMENT)
  - SHADE TREES
  - PARKING LOT INTERNAL LANDSCAPING
  - EVERGREENS
  - PROP. 20' UTILITY EASEMENT (FOR FUTURE WATER MAIN)
  - EX. 24' RIGHT-OF-WAY



**TREE PLANTING AND STAKING**  
DECIDUOUS AND EVERGREEN TREES

- PLANTING NOTES**
- PLANTS, RELATED MATERIAL AND OPERATIONS SHALL MEET THE DETAILED DESCRIPTION AS GIVEN ON THE PLANS AND AS DESCRIBED HEREIN.
  - ALL PLANT MATERIAL, UNLESS OTHERWISE SPECIFIED, SHALL BE NURSERY GROWN, UNIFORMELY BRANCHED AND HAVE A VIGOROUS ROOT SYSTEM. PLANT MATERIAL SHALL BE HEALTHY, FERTILE, FREE FROM DEFECTS, DECAY, DISFIGURING ROOTS, SUNSCALD INJURIES, ABRASIONS OF THE BARK, PLANT DISEASE, INSECT PEST EGGS, BORERS AND ALL FORMS OF INFESTATIONS OR OBJECTIONABLE DISFIGUREMENTS. PLANT MATERIAL THAT IS WEAK OR WHICH HAS BEEN CUT BACK FROM LARGER GRADES TO MEET SPECIFIED REQUIREMENTS WILL BE REJECTED. TREES WITH FORKED LEADERS WILL NOT BE ACCEPTED. ALL PLANTS SHALL BE FRESHLY DUG; NO HEELED-IN PLANTS OR PLANTS FROM COLD STORAGE WILL BE ACCEPTED.
  - UNLESS OTHERWISE SPECIFIED, ALL PLANTS MATERIAL SHALL CONFORM TO "AMERICAN STANDARD FOR NURSERY STOCK" ANSI Z60.1-1986, PUBLISHED BY THE AMERICAN ASSOCIATION OF NURSERYMEN, INCLUDING ALL AGENDA.
  - UNLESS OTHERWISE SPECIFIED, ALL GENERAL CONDITIONS, PLANTING OPERATIONS, DETAILS AND PLANTING SPECIFICATIONS SHALL CONFORM TO "LANDSCAPE SPECIFICATION GUIDELINES FOR BALTIMORE-WASHINGTON METROPOLITAN AREAS" (HEREINAFTER "LANDSCAPE GUIDELINES") APPROVED BY THE LANDSCAPE CONTRACTORS ASSOCIATION OF METROPOLITAN WASHINGTON AND THE POTOMAC CHAPTER OF THE AMERICAN SOCIETY OF LANDSCAPE ARCHITECTS, LATEST EDITION, INCLUDING ALL AGENDA.
  - CONTRACTOR SHALL BE REQUIRED TO GUARANTEE ALL PLANT MATERIAL FOR A PERIOD OF ONE YEAR AFTER DATE OF ACCEPTANCE IN ACCORDANCE WITH THE APPROPRIATE SECTION OF THE LANDSCAPE GUIDELINES. CONTRACTOR'S ATTENTION IS DIRECTED TO THE MAINTENANCE REQUIREMENTS POINTS WITHIN THE ONE YEAR SPECIFICATIONS INCLUDING WATERING AND REPLACEMENT OF SPECIFIED PLANT MATERIAL.
  - CONTRACTOR SHALL BE RESPONSIBLE FOR NOTIFYING UTILITY COMPANIES, UTILITY CONTRACTORS AND "MISS UTILITY" A MINIMUM OF 48 HOURS PRIOR TO BEGINNING ANY WORK. CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGE TO UTILITIES AND MAY MAKE MINOR ADJUSTMENTS IN SPACING AND LOCATION OF PLANT MATERIAL TO AVOID CONFLICTS WITH UTILITIES.
  - ALL AREAS WITHIN THE CONTRACT LIMIT NOT COVERED BY BUILDING, PAVING, PLANTING BEDS OR OTHERWISE DESIGNATED ON THE PLANS SHALL BE SEEDS AND MULCHED IN ACCORDANCE WITH THE LATEST ADDITION OF "MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL", PERMANENT SEEDING SPECIFICATIONS, INCLUDING ALL AGENDA.
  - CONTRACTOR IS RESPONSIBLE FOR INSTALLING ALL MATERIAL IN THE PROPER PLANTING SEASON FOR EACH PLANT TYPE.
  - PLANTING MIX SHALL BE AS FOLLOWS:  
DECIDUOUS PLANTS - TWO PARTS TOPSOIL, ONE PART WELL-ROTTED COW OR HORSE MANURE, ADD 3 LBS. OF STANDARD FERTILIZER PER CUBIC YARD OF PLANTING MIX. EVERGREEN PLANTS - TWO PARTS TOPSOIL, ONE PART HUMUS OR OTHER APPROVED ORGANIC MATERIAL, ADD 3 LBS. OF EVERGREEN (ACIDIC) FERTILIZER PER CUBIC YARD OF PLANTING MIX.  
TOPSOIL SHALL CONFORM TO THE LANDSCAPE GUIDELINES.
  - THIS PLAN IS INTENDED FOR LANDSCAPE USE ONLY. SEE OTHER PLAN SHEETS FOR MORE INFORMATION ON GRADING, SEDIMENT CONTROL, LAYOUT, ETC.



*John E. Harms, Jr.*  
6/13/16  
FOR REVISION 4

NOTE: THIS PLAN HAS BEEN PREPARED IN ACCORDANCE WITH THE PROVISIONS OF SECTION 16.124 OF THE HOWARD COUNTY CODE AND THE LANDSCAPE MANUAL.  
FINANCIAL SURETY FOR THE REQUIRED LANDSCAPING HAS BEEN POSTED AS PART OF THE DPW DEVELOPER'S AGREEMENT IN THE AMOUNT OF \$5,500.00.

|      |  |          |
|------|--|----------|
| 2    | REV. BLDG. FOOTPRINT AND RELOCATED TRASH DUMPSTER BIL. | 10/21/01 |
| 11/2 | REVISION   | DATE     |

APPROVED: HOWARD COUNTY DEPARTMENT OF PLANNING AND ZONING  
DIRECTOR: *[Signature]* DATE: 6/22/94

APPROVED: FOR STREET TREES  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
DIRECTOR: *[Signature]* DATE: 6/16/94

**LANDSCAPE PLANT LIST**

| KEY | BOTANICAL NAME                    | COMMON NAME             | SPACING  | NUMBER | SIZE             |
|-----|-----------------------------------|-------------------------|----------|--------|------------------|
| ARU | ACER RUBRUM OCTOBER GLORY         | OCTOBER GLORY RED MAPLE | AS SHOWN | 13     | 2 1/2" - 3" CAL. |
| FIS | FOXYSTYLIA INTERMEDIA SPECTABILIS | BORDER FORTSYTHIA       | 5' O.C.  | 74     | 2 1/2" - 3" HT.  |
| BTH | BERBERIS THUNBERGII               | JAPANESE BARBERRY       | 5' O.C.  | 144    | 2 1/2" - 3" HT.  |
| MPE | MYRTICA PENNSYLVANICA             | DAYBERRY                | 5' O.C.  | 40     | 2 1/2" - 3" HT.  |
| PST | PRINUS STROBUS                    | EASTERN WHITE PINE      | 10' O.C. | 30     | 6" - 8" HT.      |
| OPA | QUERCUS PALustris SOVEREIGN       | SOVEREIGN PIN OAK       | AS SHOWN | 17     | 2 1/2" - 3" CAL. |

**STREET TREE PLANT LIST**

| FPA | FRAXINUS PENNSYLVANICA MARSHALL'S SEEDLESS | MARSHALL'S SEEDLESS GREEN ASH | AS SHOWN | 18 | 2 1/2" CAL. |
|-----|--|-------------------------------|----------|----|-------------|
| PXA | PLATANUS X ACROPOLIA BLOODGOOD             | BLOODGOOD LONDON PLANE TREE   | AS SHOWN | 13 | 2 1/2" CAL. |

FOR REVISION #5:  
PROFESSIONAL CERTIFICATION: I HEREBY CERTIFY THAT THESE DOCUMENTS WERE PREPARED OR APPROVED BY ME, AND THAT I AM A FULLY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MARYLAND, LICENSE NO. 24585, EXPIRATION DATE: JULY 5, 2023.

**SITE DEVELOPMENT PLAN**  
**LANDSCAPE PLAN**  
ROLLINS LEASING CORP.  
TRUCK FACILITY

TAX MAP 48  
6 TH ELECTION DISTRICT

PARCEL 104  
HOWARD COUNTY, MARYLAND

**JOHN E. HARMS, JR. AND ASSOCIATES, INC.**  
CONSULTING ENGINEERS - PLANNERS - SURVEYORS

90 GOVERNOR RITCHIE HIGHWAY  
PASADENA, MARYLAND 21122

P.O. BOX 6  
(410) 647-6000

DESIGN BY: P.A.D.  
DRAWN BY: P.A.D.  
CHECKED BY: M.T.  
DATE: OCTOBER 1993  
SCALE: 1" = 40'  
W.C. NO. 05-93-002-A  
REV 2-29-94

14 SHEET OF 14