

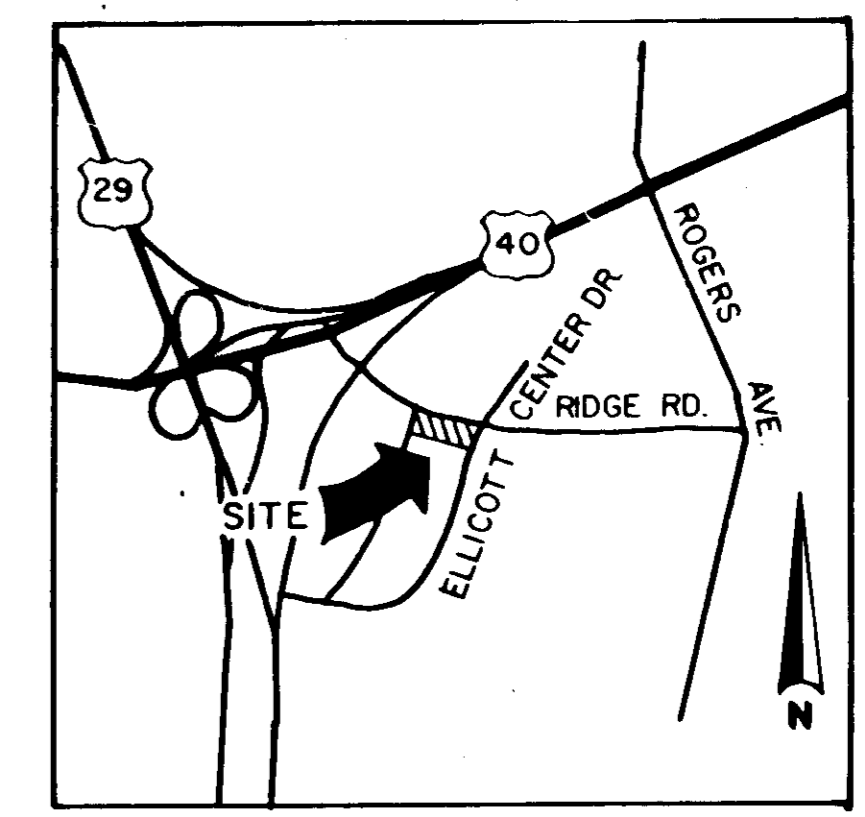
**LEGEND**

- CONCRETE
- REVERSE CONC CURB & GUTTER W/ 5' TRANSITION FROM STD. C&G
- BITUMINOUS PVM (PROFILE)
- BITUMINOUS PVM (PLAN)
- SOIL (PROFILE)
- CRUSHED STONE
- BUILDING
- BRICK
- SILT FENCE
- STRAW BALES
- CONSTRUCTION ENTRANCE
- BENCH MARK (BM)
- SOIL BORING
- SANITARY SEWER
- EXISTING CONTOUR
- NEW CONTOUR
- STORM DRAIN SYSTEM
- STORM DRAIN DESIGNATION
- CURB RETURN DESIGNATION
- SANITARY SEWER DESIGNATION
- MANHOLE
- OVERHEAD ELECTRIC
- UNDERGROUND ELECTRIC
- TELE-TELEPHONE CABLE
- WATER SERVICE
- GAS SERVICE
- DRAINAGE FLOW
- FENCE
- FLAGPOLE
- FIRE HYDRANT (FH)
- TREELINE
- 2010 SPOT ELEVATION
- 249.50 TOP OF CURB ELEVATION
- 249.50 INVERT OF GUTTER
- LENGTH OF CURVE RADIUS
- PAINT STRIPE
- HANDICAPPED SYMBOL
- INVERT DITCH
- TRAFFIC FLOW ARROWS
- CONCRETE CURB & GUTTER LENGTH OF STRAIGHT SECTION
- RADIAL HANDICAPPED RAMP
- PERCOLATION TEST PIT
- PROPERTY LINE
- LIMIT OF WORK

DETAIL No. SHEET No. TAKEN FROM SHEET No. WHERE SHOWN

NUMBER OF EMPLOYEES	9
BUILDING COVERAGE	9,048 SF
AREA OF PARKING LOTS	6,426 SF
AREA AND PERCENTAGE OF LANDSCAPED ISLANDS IN PARKING LOTS	5,934 SF, 6%
REQUIRED PARKING SPACES PER MARYLAND D.O.T. MOTOR VEHICLE ADMINISTRATION	3 EMPLOYEES IN OFFICE 1 EMPLOYEE PER LANE 2 SPACES PER LANE FOR PUBLIC 21 TOTAL, OF WHICH 2 MUST BE PROVIDED FOR THE HANDICAPPED
PROVIDED PARKING SPACES	21
AREA AND PERCENTAGE OF OPEN SPACE TO REMAIN	4,006 SF, 40%
SITE ZONING	B-2
PARKING REQUIRED	VEHICLE SERVICE ESTABLISHMENT 3.0 SPACES PLUS 3.0 SPACES PER SERVICE BAY ADMINISTRATION: 3.0 SPACES 12 SERVICE BAYS: 30 SPACES REQUIRED 30 SPACES PROVIDED 2 HANDICAP SPACES REQUIRED 2 HANDICAP SPACES PROVIDED

ELECTRIC AND SIGNAGE LEGEND		
SYMBOLS	DESCRIPTION	SHEET SHOWN
	LOCATION & ORIENTATION	A - II
	SIGN DESIGNATION	A - II
	ELECTRIC SYMBOL	E - I
	LIGHT POLE	E - 4
	LUMINAIRE SCHEDULE	E - 5
	ENTRANCE CHAIN POST, AND SIGN	E - 4
	FAC. IDENTIFICATION SIGN # 28	A - II
	PANEL BOARD LC, CIRCUIT-17	E - I



VICINITY MAP  
NO SCALE

**GENERAL NOTES**

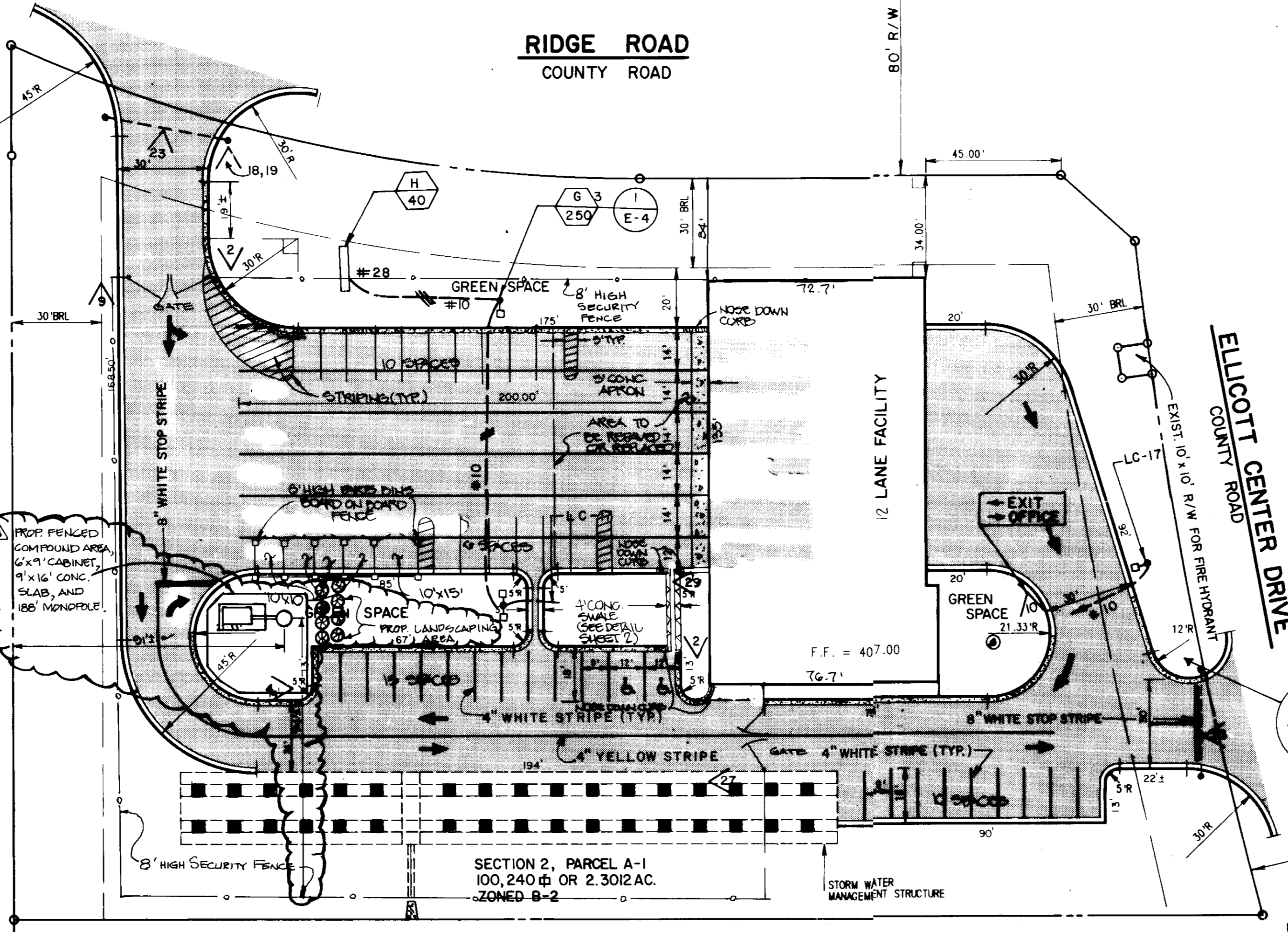
- EROSION AND SEDIMENT CONTROL MEASURES SHALL BE IN PLACE PRIOR TO START OF CLEARING AND GRADING.
- EROSION CONTROL MEASURES SHALL BE MAINTAINED IN FUNCTIONAL CONDITION AND SHALL REMAIN IN PLACE UNTIL ALL AREAS DISTURBED BY CONSTRUCTION OPERATIONS HAVE BEEN PERMANENTLY STABILIZED.
- CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING PAVED SURFACES IN A CLEAN AND DUST-FREE CONDITION DURING CONSTRUCTION.
- CONTRACTORS SHALL ERECT AND MAINTAIN TEMPORARY BARRICADES TO LIMIT PUBLIC ACCESS TO HAZARDOUS AREAS. BARRICADES SHALL BE CLEARLY VISIBLE WITH ADEQUATE ILLUMINATION TO PROVIDE SUFFICIENT VISUAL WARNING OF THE HAZARDOUS AREAS DURING BOTH DAY AND NIGHT. PLASTIC TAPE, ROPE, OR SIMILAR MATERIAL WILL NOT CONSTITUTE A SATISFACTORY BARRICADE.
- THE CONTRACTOR SHALL BE HELD RESPONSIBLE FOR ANY DAMAGE TO, AND FOR THE MAINTENANCE AND PROTECTION OF EXISTING FACILITIES AND STRUCTURES.
- ALL HORIZONTAL AND VERTICAL LOCATIONS OF EXISTING UNDERGROUND STRUCTURES AND UTILITY LINES SHOWN ON THESE PLANS ARE TAKEN FROM FIELD TOPOGRAPHIC SURVEYS. TRUE HORIZONTAL AND VERTICAL LOCATIONS SHALL BE FIELD VERIFIED BY CAREFUL HAND EXCAVATION WHERE SUBJECT TO NEW CONSTRUCTION.
- CONTRACTOR SHALL MAKE SAW CUTS OR OTHERWISE CLEAN CONNECTIONS AND MATCH FILLETATIONS WHERE EXISTING PAVEMENT, CONCRETE CURB AND GUTTER, AND UTILITIES MUST BE REMOVED, CONNECTED TO OR RELOCATED FOR NEW CONSTRUCTION.
- CONTRACTOR SHALL BE RESPONSIBLE FOR ALL VERTICAL AND HORIZONTAL CONTROL REQUIRED FOR NEW WORK.
- REFER TO MECHANICAL AND ELECTRICAL PLANS FOR DETAILED INFORMATION REGARDING EXTERIOR EQUIPMENT AND RELATED APPURTENANCES.
- ALL DISTURBED AREAS EXCEPT WHERE PAVING IS REQUIRED SHALL BE SEDED/SODDED IN ACCORDANCE WITH CONTRACT SPECIFICATIONS.
- ALL FINISH GRADING AND PAVING SHALL BE DONE IN SUCH A MANNER SO AS TO PRECLUDE THE PONDING OF WATER.
- ALL UTILITY WORK MUST BE COORDINATED BY CONTRACTOR WITH UTILITY COMPANIES AND WITH THE APPROVAL BY THE OWNER, PRIOR TO ANY CONSTRUCTION.
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK AT 792-7272 OR 792-7273

**SITE NOTES**

- BOUNDARY AND TOPOGRAPHIC SURVEY PROVIDED BY BEN DYER ASSOCIATES, INC.
- SURVEY IS IN MARYLAND STATE PLANE DATUM.
  - ELEVATIONS ARE IN HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS.
  - TOP OF CURB ELEVATIONS SHOWN THUS: 450.00  
449.50
  - THE PROPERTY SHOWN HEREON IS ZONED B-2.
  - BUILDING RESTRICTION LINES:
- ADJACENT TO STREET R/W LINES - 30' SIDE - 30'
- WATER SERVICE IS MAINTAINED BY HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS. SEWER SERVICE IS MAINTAINED BY HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS.
  - STORM DRAIN IS MAINTAINED BY HOWARD COUNTY, DEPARTMENT OF PUBLIC WORKS.
  - ELECTRIC SERVICE IS MAINTAINED BY BALTIMORE GAS AND ELECTRIC COMPANY. (B.G.&E.) NATURAL GAS SERVICE IS MAINTAINED BY BALTIMORE GAS AND ELECTRIC COMPANY. (B.G.&E.)
  - TELEPHONE SERVICE IS MAINTAINED BY CHESAPEAKE AND POTOMAC TELEPHONE COMPANY. (CAP)
  - LOCATION OF ALL UNDERGROUND UTILITIES SHOWN ARE APPROXIMATE AND TEST PITS MUST BE DUG TO DETERMINE EXACT LOCATION OF SAME.
  - UTILITY STRUCTURES WERE LOCATED IN THE FIELD AND UNDERGROUND UTILITIES WERE TAKEN FROM DRAWINGS PROVIDED BY UTILITY COMPANIES AND/OR AGENCIES.
  - PROPERTY APPEARS ON ZONING MAP 24.
  - WATER PRESSURE AT SITE = 60 PSI.
  - GAS PRESSURE AT SITE = 100 PSI. CAREY PIEKARSKI
  - PROPERTY IS OWNED BY ELLICOTT CORPORATION BY DEED RECORD - 58 IN LIBER 477 AT FOLIO 26
  - RECORD PLAT REFERENCE NUMBER - PLAT No. 5271

RAMP FROM US ROUTE #29 COLUMBIA PIKE TO US ROUTE #40 BALTIMORE NATIONAL PIKE  
(R/W WIDTH VARIABLE)

STATE HIGHWAY ADMINISTRATION OF MARYLAND R/W PLATS NO. 26298, 26294 AND 26290  
VEHICULAR INGRESS AND EGRESS RESTRICTED



NOTES: MINIMUM SETBACK FROM ANTENNA TO PUBLIC RIGHT-OF-WAY IS 65 FEET.

ELLICOTT CORPORATION  
PARCEL A-2

THE PURPOSE OF THIS REVISION IS TO CHANGE THE SITE USE TO "AUTO BODY REPAIR" REVISION OWNERSHIP INFO INCLUDE SECURITY FENCE AND REVISE PARKING TABULATION.

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY MARYLAND  
DATE 12-20-82

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Steve F. Neuman 3-21-83  
DIRECTOR DATE  
Chris R. 3-21-83  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
Joseph M. Boydus 3-24-83  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
PLANNING DIRECTOR  
3-24-83  
DATE  
3-24-83  
DATE  
CHIEF DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION

**SITE PLAN**  
SCALE: 1" = 30'

FOR SCHEMATIC PROFILE OF BUILDING SEE SHEET C-2

CALL "MISS UTILITY" AT 559-0100 24 HOURS PRIOR TO THE START OF WORK FOR LOCATION OF EXISTING UTILITIES IN THE AREA OF PROJECT.

**ABBREVIATIONS**

APPROX. - Approximate	INV. - Invert
BL - Base	JT. - Joint
BM. - Bench Mark	L.P. - Low Point
BRL. - Building Restriction Line	MAX. - Maximum
C&P - Chesapeake & Potomac Telephone Co.	MF.G. - Manufacturer
C&G - Curb & Gutter	M.H. - Manhole
CL. - Class	MIN. - Minimum
CLR. - Clear	NO. - Number
CM. - Commercial	PVC - Poly Vinyl Chloride
CMF. - Corrugated Metal Pipe	R. - Radius
CONC. - Concrete	R.C.P. - Reinforced Concrete Pipe
CONN. - Connection	R.C.P.F. - Reinforced Conc. Pipe Elliptical
CTRD. - Centered	R/W - Right-of-way
DIA. - Diameter	S.H.C. - Sewer House Connection
ELEV. - Elevation	S.N. - Surface Normal
EXP. - Expansion	STD. - Standard
EXIST. - Existing	TYP. - Typical
F.F. - Finished Floor	W. - With
F.H. - Fire Hydrant	W. - Water
GR. - Grade	W.H.C. - Water House Connection
H.P. - High Pressure	



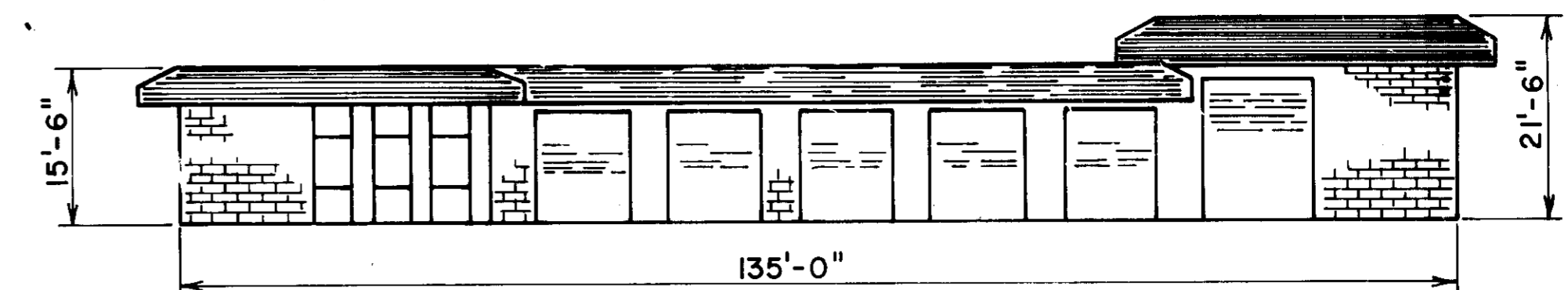
REVISION	DATE	BY
1	12/20/82	JMM

LOCATION AND PAVING PLAN  
SECTION 2  
PARCEL A-1  
1" = 30'  
OWNER: ELLICOTT CORPORATION  
199-B OLD SOLOMONS ISLAND ROAD  
ANNAPOLIS, MARYLAND 21401  
VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
PIE'S AUTO BODY  
VEHICLE EMISSION INSPECTION PROGRAM

JOB #	S19-100-00
DESIGN	DAS, J.C.I.I.
DRAWN	R.J.L.
CHECKED	GEH
DATE	JUNE 1982
SCALE	AS SHOWN
SHEET	1 OF 12

SUITE 302  
7700 LEESBURG PIKE  
FALLS CHURCH, VA 22043  
703/893-0711

C-1  
Soil Engineering Corporation

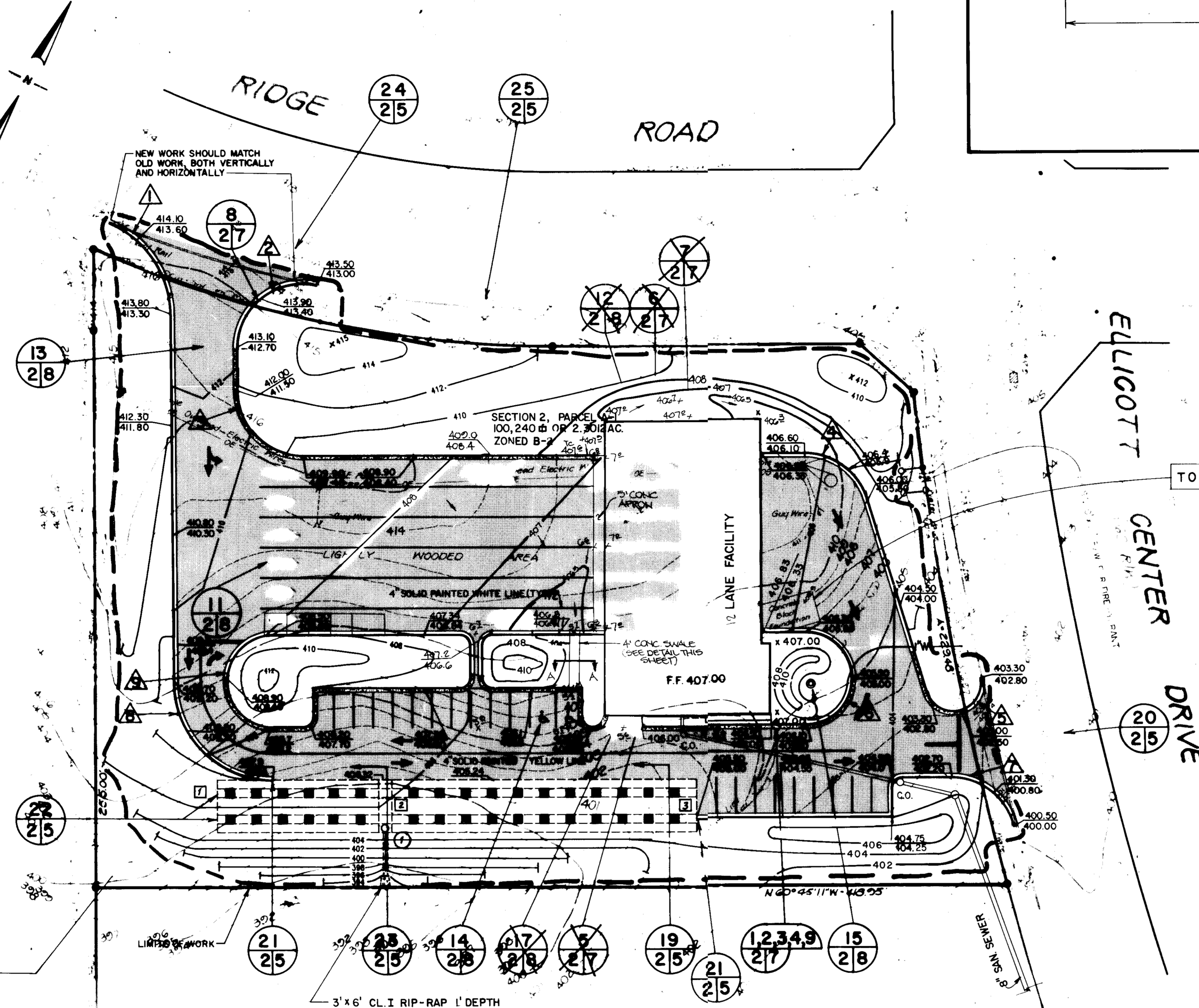


FRONT VIEW  
SCHEMATIC PROFILE  
SCALE: 1" = 16'-0"

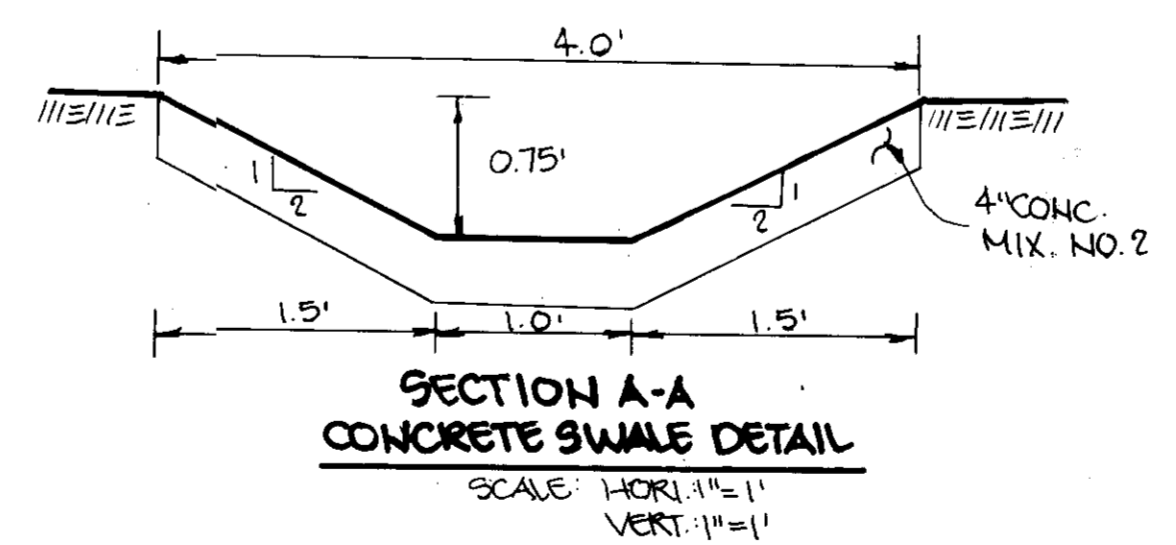
RAMP FROM US ROUTE #29 COLUMBIA PIKE TO  
US ROUTE #40 BALTIMORE NATIONAL PIKE  
(R/W WIDTH VARIABLE)

STATE HIGHWAY ADMINISTRATION OF MARYLAND R/W PLATS NO. 262598, 262594 AND 262590  
VEHICULAR INGRESS AND EGRESS RESTRICTED

LIMIT OF CLEARING



SITE PLAN  
SCALE: 1" = 30'



SECTION A-A  
CONCRETE SWALE DETAIL  
SCALE: HORIZ. 1" = 1'  
VERT. 1" = 1'

ELICOTT CENTER DRIVE

TO BE REMOVED

NOTE:  
EXISTING G & E OVERHEAD ELECTRIC WIRES & POLES THROUGH THE SITE WILL BE RELOCATED BY BALTIMORE GAS AND ELECTRIC CO.

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 12-20-82

CONSTRUCTION SCHEDULE  
BEGIN WORK: 15 APRIL, 83  
COMPLETE WORK: 1-JANUARY, 84

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

*Henry F. Nemej* 3-21-83  
DIRECTOR DATE  
*William S. ...* 3-21-83  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

HOWARD COUNTY HEALTH DEPARTMENT  
*Robert ...* 3-23-83  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Thomas ...* 3-24-83  
PLANNING DIRECTOR DATE  
*William ...* 3-24-83  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

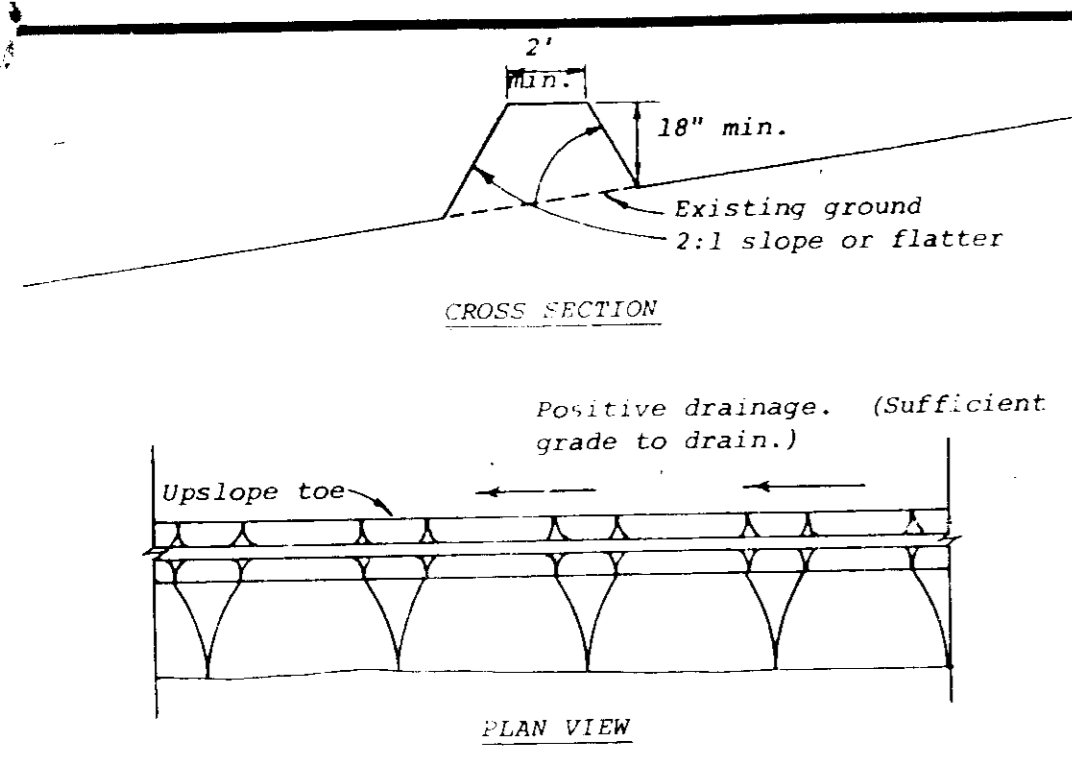
GRADING AND UTILITY PLAN  
SECOND ELECTION DISTRICT  
SECTION 2  
PARCEL A-1, PLOT 5221  
OWNER:  
8 LANE FACILITY SITE NO. 5  
ELICOTT CENTER  
SYSTEMS CONTROL, INC.  
139 D OLD SOLOMON'S ISLAND ROAD  
ANNAPOLIS, MARYLAND 21401  
MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
STATE OF MARYLAND  
VEHICLE EMISSION INSPECTION PROGRAM

JOB # S19-100-00  
DESIGN DAS, J.C. III  
DRAWN RJL  
CHECKED GEH  
DATE JUNE 1982  
SCALE AS SHOWN  
SHEET 2 OF 12

SUITE 302  
7700 LEESBURG PIKE  
FALLS CHURCH, VA 22043  
703/893-0711

C-2  
Sole  
Engineers  
Corporation

1	2	3	4	5	6	BASE
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APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

DIRECTOR  
*William A. Walton*  
 CHIEF, BUREAU OF ENGINEERING

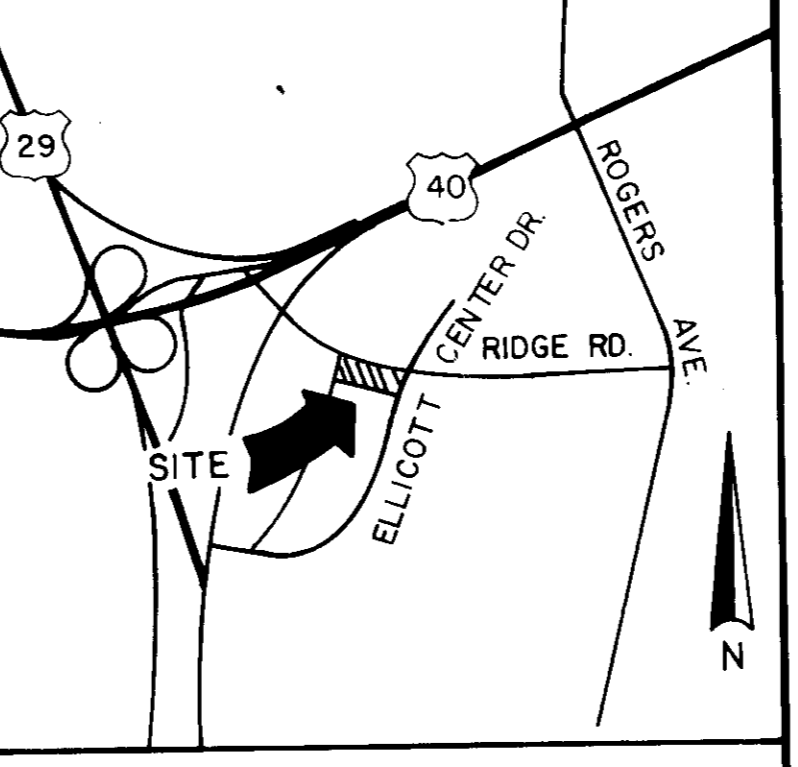
DATE  
 3-21-83

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

COUNTY HEALTH OFFICER  
*William A. Walton*  
 DATE  
 3-23-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 PLANNING DIRECTOR  
*William A. Walton*  
 DATE  
 4-8-83

CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION



OWNER'S DEVELOPER'S CERTIFICATION

"I/We hereby certify that I have reviewed this erosion and sediment control plan and that all clearing, grading, construction and/or development will be done pursuant to this plan and that any responsible personnel involved in the construction project will have a certificate of attendance at a Department of Natural Resources approved training program for the control of sediment and erosion before beginning the project."

Signature *William A. Walton* Date 3-7-83  
 Name William A. Walton Title Implementation Manager Phone No. 301/261-8830  
 Firm Systems Control, Inc. Address 139 D Old Solomon's Island Road  
 Annapolis, MD 21401



CONSULTANT'S CERTIFICATION

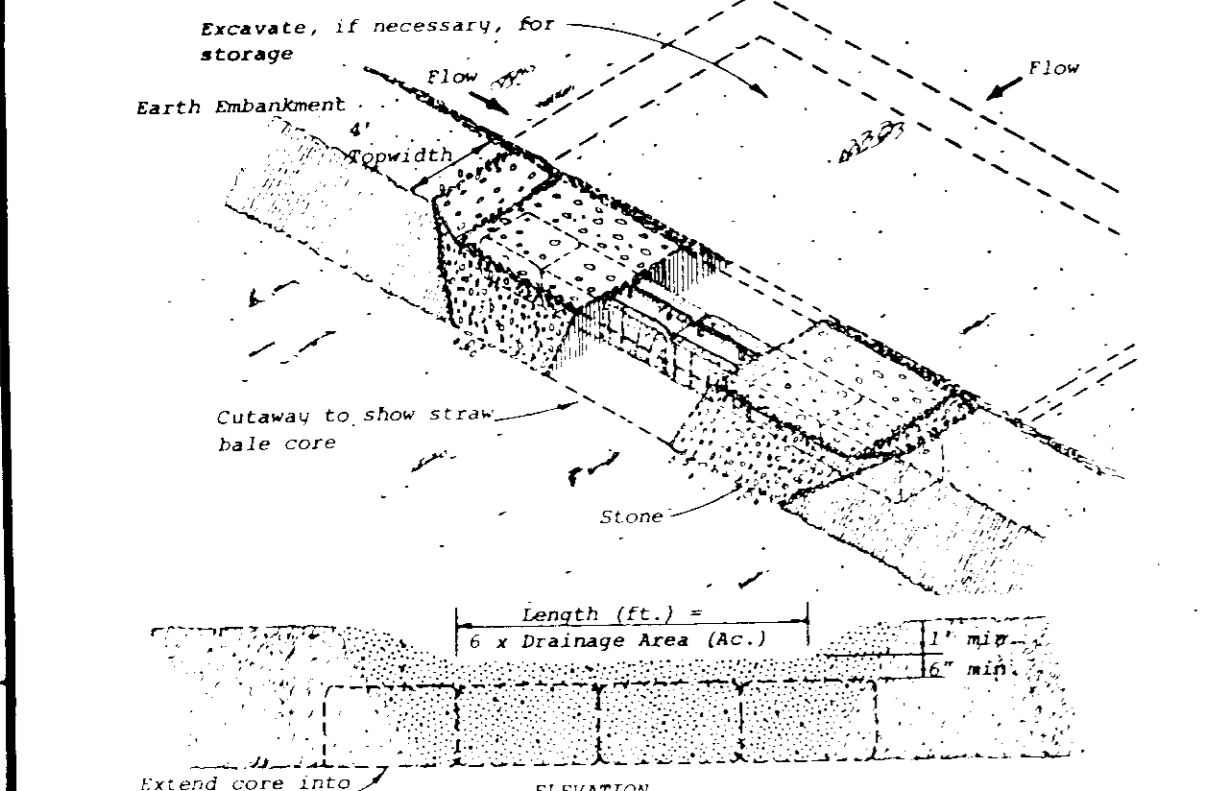
"I certify that this plan of erosion and sediment control represents a practicable and workable plan based on my personal knowledge of the site, and that this plan was prepared in accordance with the requirements of the Howard County Soil Conservation District and 'Standards and Specifications for Soil Erosion and Sediment Control for Developing Areas'. I have reviewed this erosion and sediment control plan with the owner/developer."

Signature *Gregory E. Hagg* MD License No. 4468 Date 3/7/83  
 Name Gregory E. Hagg

- Construction Specifications**
- All dikes shall be machine compacted.
  - All perimeter dikes shall have positive drainage to an outlet.
  - Diverted runoff from a protected or stabilized upland area shall outlet directly onto an undisturbed stabilized area or into a level spreader or grade stabilization structure.
  - Diverted runoff from a disturbed or exposed upland area shall be conveyed to a sediment trapping device such as sediment trap or a sediment basin or to an area protected by any of these practices.
  - Stabilization, when required, shall be done in accordance with Standard and Specifications for Grassed Waterway. The minimum area to be stabilized shall be the channel flow area.
  - Periodic inspection and required maintenance shall be provided.
- Standard Symbol
- \* Drainage area less than 5 acres

U. S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 College Park, Md.

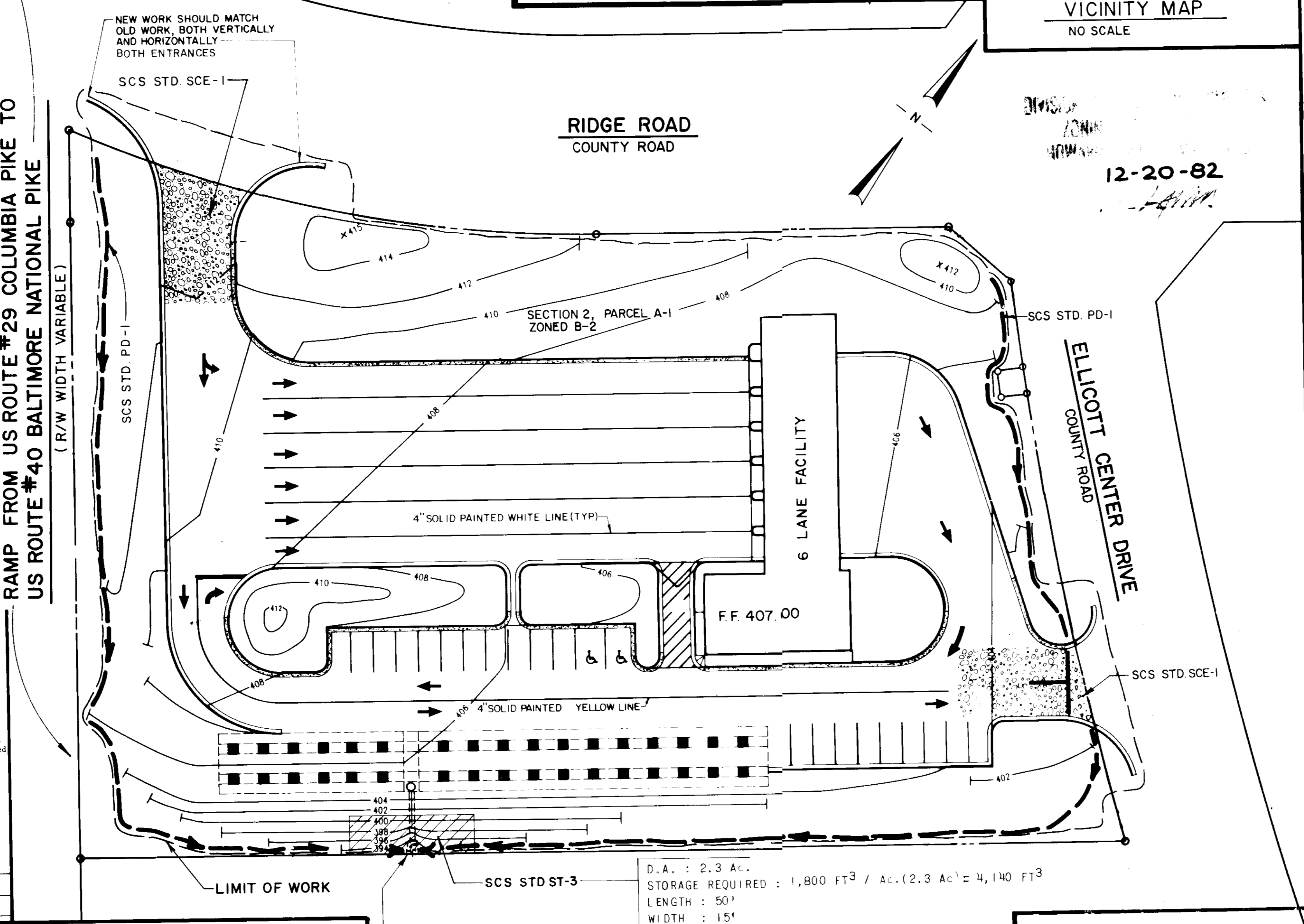
PERIMETER DIKE  
 Standard Drawing PD-1



- Construction Specifications**
- Area under embankment shall be cleared, grubbed and stripped of any vegetation and root mat. The pool area shall be cleared.
  - The fill material for the embankment shall be free of roots or other woody vegetation as well as over sized stones, rocks, organic material or other objectionable material. The embankment shall be compacted by traversing with equipment while it is being constructed.
  - Sediment shall be removed and trap restored to its original dimensions when the sediment has accumulated to 1/2 the design depth of the trap. Removed sediment shall be deposited in a suitable area and in such a manner that it will not erode.
  - The structure shall be inspected after each rain and repairs made as needed.
  - Construction operations shall be carried out in such a manner that erosion and water pollution is minimized.
  - The structure shall be removed and the area stabilized when the drainage area has been properly stabilized.
  - All cut and fill slopes shall be 2:1 or flatter.
  - The crushed stone used in the outlet shall meet AASHTO designation M43, Size No. 2 or 24 or its equivalent such as MSMA No. 2. Gravel, meeting the above gradation, may be used if crushed stone is not available. Crusher run is not acceptable.
- \* Drainage area less than 5 acres.

U. S. DEPARTMENT OF AGRICULTURE  
 SOIL CONSERVATION SERVICE  
 College Park, Md.

STONE OUTLET  
 SEDIMENT TRAP  
 Standard Drawing ST-3



RAMP FROM US ROUTE #29 COLUMBIA PIKE TO  
 US ROUTE #40 BALTIMORE NATIONAL PIKE  
 (R/W WIDTH VARIABLE)

RIDGE ROAD  
 COUNTY ROAD

VICINITY MAP  
 NO SCALE

12-20-82

D.A. : 2.3 AC.  
 STORAGE REQUIRED : 1,800 FT<sup>3</sup> / AC. (2.3 AC) = 4,140 FT<sup>3</sup>

LENGTH : 50'  
 WIDTH : 15'  
 HEIGHT : 5.5'  
 TOP ELEV. : 398.50  
 INV. ELEV. : 393.00

CALL "MISS UTILITY"  
 AT 559-0100 24 HOURS PRIOR TO  
 THE START OF WORK FOR LOCATION  
 OF EXISTING UTILITIES IN THE AREA  
 OF PROJECT

**EROSION & SEDIMENT CONTROL PLAN**  
 SCALE: 1" = 30'

- SEQUENCE OF CONSTRUCTION**
- Install all erosion and sediment control measures as per plans and specs prior to construction, in accordance with the Standards and Specifications for Soil Erosion and Sediment Control in developing areas by the U.S. Department of Agriculture, Soil Conservation Service.
  - All erosion and sediment control measures shall be maintained functional until site is stabilized.
  - Rough grade site to within  $\pm 6"$  of final grade.
  - Utility construction
  - Building construction
  - Paving and landscaping
  - Final stabilization
  - Removal of temporary erosion and sediment control measures shall take place only after contributory drainage area is completely stabilized.

**Seedbed Preparation**  
 Flat areas and slopes up to 3:1 grade shall be loose and friable to a depth of at least 3 inches. The top layer of soil shall be loosened by raking, disking or other acceptable means before seeding.

**Seeding**  
 Apply seed uniformly with a cyclone seeder, drill, culti-picker, seeder or hydroseeder on firm moist seedbed.

**Mulching**

- Straw - 1 1/2 - 2 tons/acre - 70 - 90 lbs./1000 sq. ft.
- Woodfiber - 1500 lbs./acre - 35 lbs./sq. ft.
- Mulch nettings
- Wood chips - 6 tons/acre - 275 lbs./1000 sq. ft.

**Mulch Anchoring**  
 Peg and twine, mulch nettings, mulch anchoring tool, liquid mulch binders.

**Temporary Seeding**  
 1000 lbs./acre Fertilizer 10-10-10  
 4000 lbs./acre Dolomitic Limestone  
 1 bushel/acre Perennial Ryegrass, Acceptable dates 2/1-4/30 and 8/15-11/15  
 1 bushel/acre Millet, Acceptable dates 5/1-8/14

**Permanent Seeding**  
 1000 lbs./acre Fertilizer 10-10-10  
 4000 lbs./acre Dolomitic Limestone  
 6 lbs./1000 F<sup>2</sup>, K-31, Acceptable 2/1-10/31\*

\*Irrigate from 5/1-8/14

**ABBREVIATIONS**

SCS - SOIL CONSERVATION SERVICE  
 STD - STANDARD  
 PD - PERIMETER DIKE  
 SCE - STABILIZED CONSTRUCTION ENTRANCE  
 SOS - STONE OUTLET STRUCTURE

**SITE ANALYSIS**  
 IMPERVIOUS SURFACE AREA = 43,360  $\phi$   
 REVEGETATED AREA = 56,880  $\phi$

**CONSTRUCTION SCHEDULE**  
 BEGIN WORK: 15 APRIL, 83  
 COMPLETE WORK: 1-JANUARY, 84

1	U
2	U
3	U
4	U
5	U
6	U
7	U
8	U

- STABILIZATION NOTES**
- ALL SEDIMENT AND EROSION CONTROL MEASURES TO BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE PUBLISHED "STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL IN DEVELOPING AREA" AND REVISION THEREOF.
  - SEDIMENT CONTROL MEASURES WILL BE ADJUSTED TO MEET ACTUAL FIELD CONDITIONS.
  - PERIODIC INSPECTIONS OF ALL SEDIMENT AND EROSION CONTROL DEVICES MUST BE PROVIDED TO INSURE INTENDED PURPOSE IS ACCOMPLISHED.
  - APPROVAL OF THIS PLAN IS CONDITIONAL UPON THE APPROVAL OF A SEDIMENT PLAN FOR THE OFFSITE WASTE OR BORROW AREA PRIOR TO THE IMPORT OF ANY BORROW OR THE EXPORT FOR THE OFFSITE WASTE TO OR FROM THIS SITE.
  - AREAS TO BE SEEDD SHALL BE DONE IN ACCORDANCE WITH THE STANDARDS AND SPECS FOR PERMANENT SEEDING SEE PGS 51.01 - 51.04 FOR DETAILS. AREA TO BE SEEDD SHALL BE IN ACCORDANCE WITH STANDARDS AND SPECS FOR SEEDING. SEE PAGES 54.01 - 54.04.
  - ALL SLOPES AND TERRACES GREATER THAN 3:1 SHALL BE SEEDD AND PEGGED; ALL LOT AREAS NOT SEEDD SHALL BE STRAW MULCHED WITH APPROPRIATE MULCH ANCHORS.
  - ALL DISTURBED AREAS, PARTICULARLY SOIL AREAS NOT TO BE CONSTRUCTED UPON WITHIN 30 DAYS FOLLOWING INITIAL GRADING, WILL RECEIVE TEMPORARY STABILIZATION BY MULCHING, ACCORDING TO PGS. 52.01 - 52.03 OF THE STANDARDS AND SPECIFICATIONS.
  - ALL DISTURBED AREAS NOT TO BE CONSTRUCTED UPON WITHIN 45 DAYS FOLLOWING INITIAL GRADING WILL RECEIVE STABILIZATION BY TEMPORARY SEEDING ACCORDING TO PGS. 50.01 - 50.05 OF THE STANDARDS AND SPECIFICATIONS.
  - THE DEVELOPER WILL BE RESPONSIBLE FOR THE PREVENTION OF MUD BEING TRACKED ONTO PUBLIC WAYS. ALL SUCH MUD SHALL BE CLEANED UP AT THE DEVELOPER'S EXPENSE.
  - ALL SEDIMENT WILL BE PREVENTED FROM ENTERING ANY CONSTRUCTED STORM DRAIN SYSTEM. (I.E., THROUGH USE OF SAND BAGS, GRAVEL, BOARDS OR OTHER APPLICABLE METHODS.)
  - SEDIMENT AND EROSION CONTROL FOR TRENCH EXCAVATION:
    - PLACE ALL EXCAVATION ON THE UPSTREAM SIDE OF TRENCH.
    - IMMEDIATELY STABILIZE ALL AREAS DISTURBED BY TRENCH CONSTRUCTION AT THE END OF EACH DAY.
  - SEEDING SHALL BE PERFORMED IN ACCORDANCE WITH THE ABOVE MENTIONED STANDARDS. REFER TO PAGES 51.01, 52.01 AND 54.01 FOR SEEDING, MULCHING AND SEEDING SPECIFICATIONS RESPECTIVELY.
  - DIKE SEEDING AND PERMANENT SITE SEEDING SHALL BE PERFORMED IN ACCORDANCE WITH THE ABOVE MENTIONED STANDARDS. REFER TO PAGES 51.01 THROUGH 51.08 INCLUSIVE.
  - IF SITE IS READY TO RECEIVE FINAL COVER DURING THE NONPLANTING SEASON, IT SHALL BE PROTECTED BY MULCHING. REFER TO PAGES 52.01 THROUGH 52.03 INCLUSIVE OF THE ABOVE STANDARDS AND SPECIFICATIONS. THE MULCH WILL REMAIN UNTIL THE NEXT PLANTING SEASON AS DEFINED BY THE STANDARDS.

EROSION & SEDIMENT CONTROL  
 SITE NO. 5  
 6 LANE FACILITY CENTER  
 ELICOTT CENTER  
 HOWARD COUNTY  
 MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
 STATE OF MARYLAND  
 VEHICLE EMISSION INSPECTION PROGRAM

OWNER:  
 SYSTEMS CONTROL, INC.  
 139 D OLD SOLOMON'S ISLAND ROAD  
 ANNAPOLIS, MARYLAND 21401

JOB # S19-100-00  
 DESIGN DAS III  
 DRAWN RJL  
 CHECKED GEH  
 DATE JUNE 1982  
 SCALE AS SHOWN  
 SHEET 3 OF 12

SUITE 302  
 7700 LEESBURG PIKE  
 FALLS CHURCH, VA 22043  
 703/893-0711

C-3  
 Boue Engineering Corporation

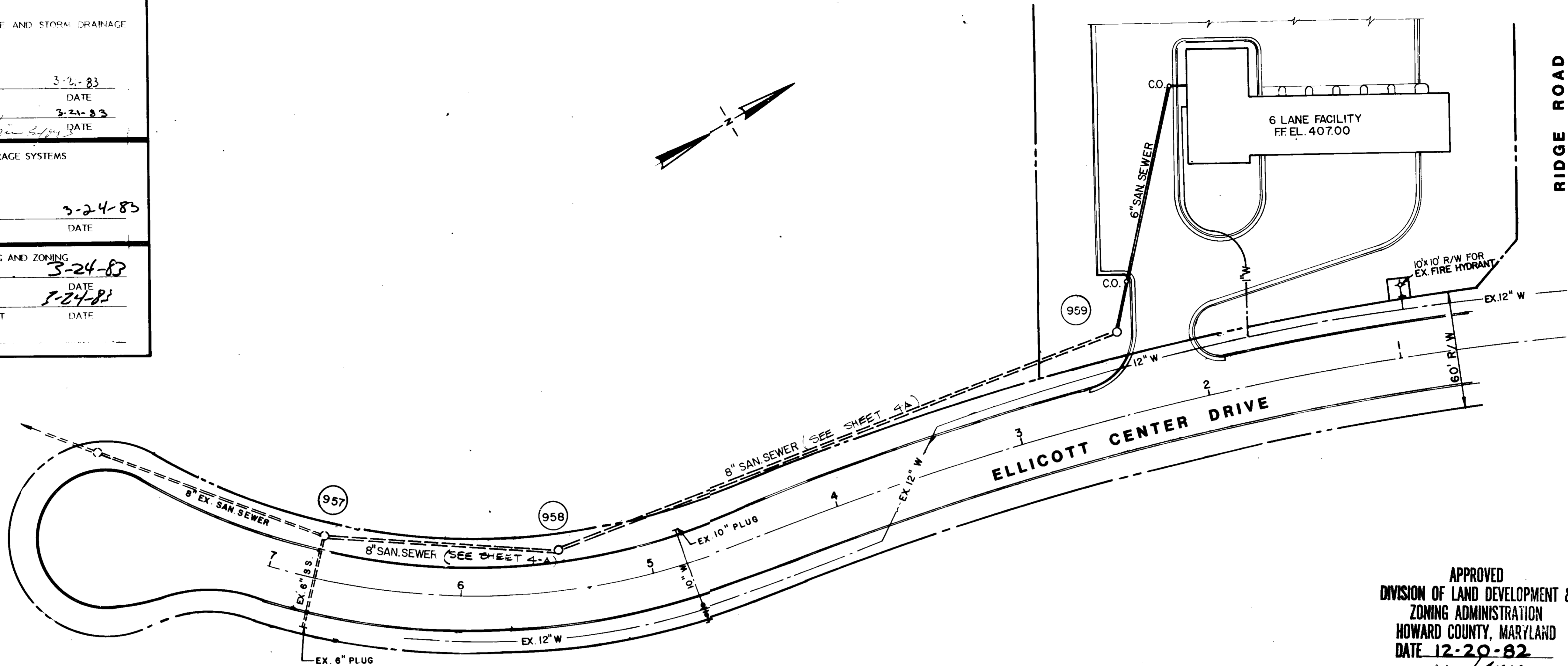
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

*May F. Neman* 3-21-83  
 DIRECTOR DATE  
*William S. Rice* 3-21-83  
 CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS

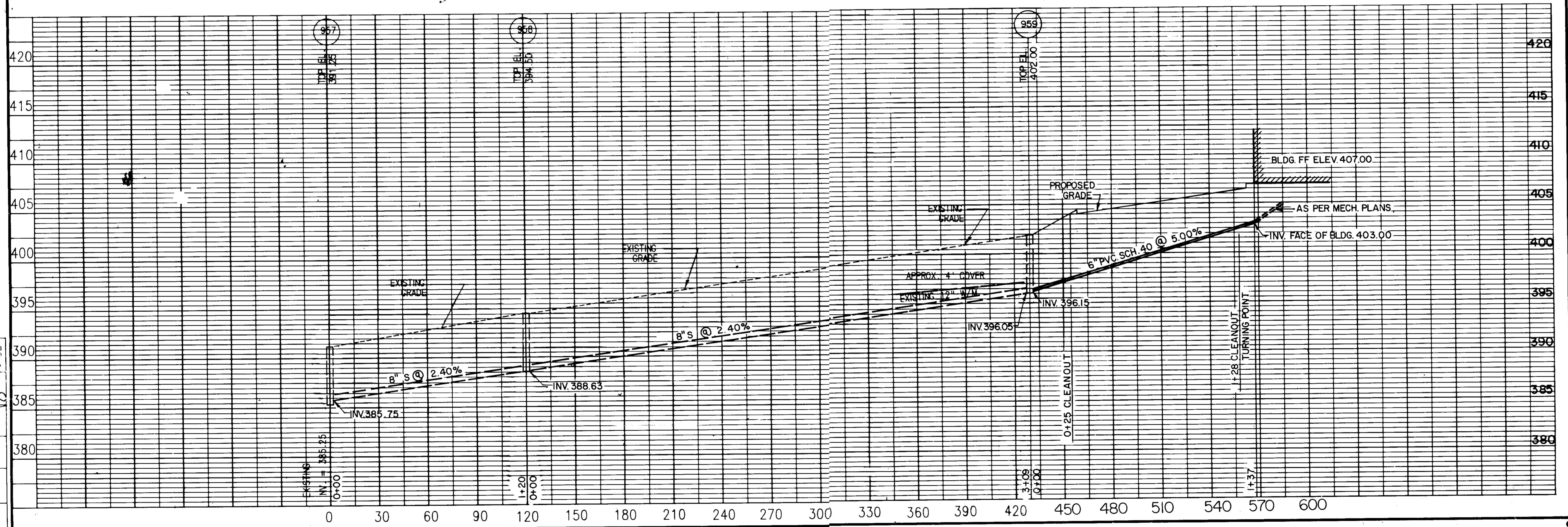
HOWARD COUNTY HEALTH DEPARTMENT  
*Joyce Boyer* 3-24-83  
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Donald A. Smith* 3-24-83  
 PLANNING DIRECTOR DATE  
*William S. Rice* 3-24-83  
 CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE



PROFILE SCALES = HORZ. 1"=30'  
 VERT. 1"=5'

APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 12-20-82  
*AA*



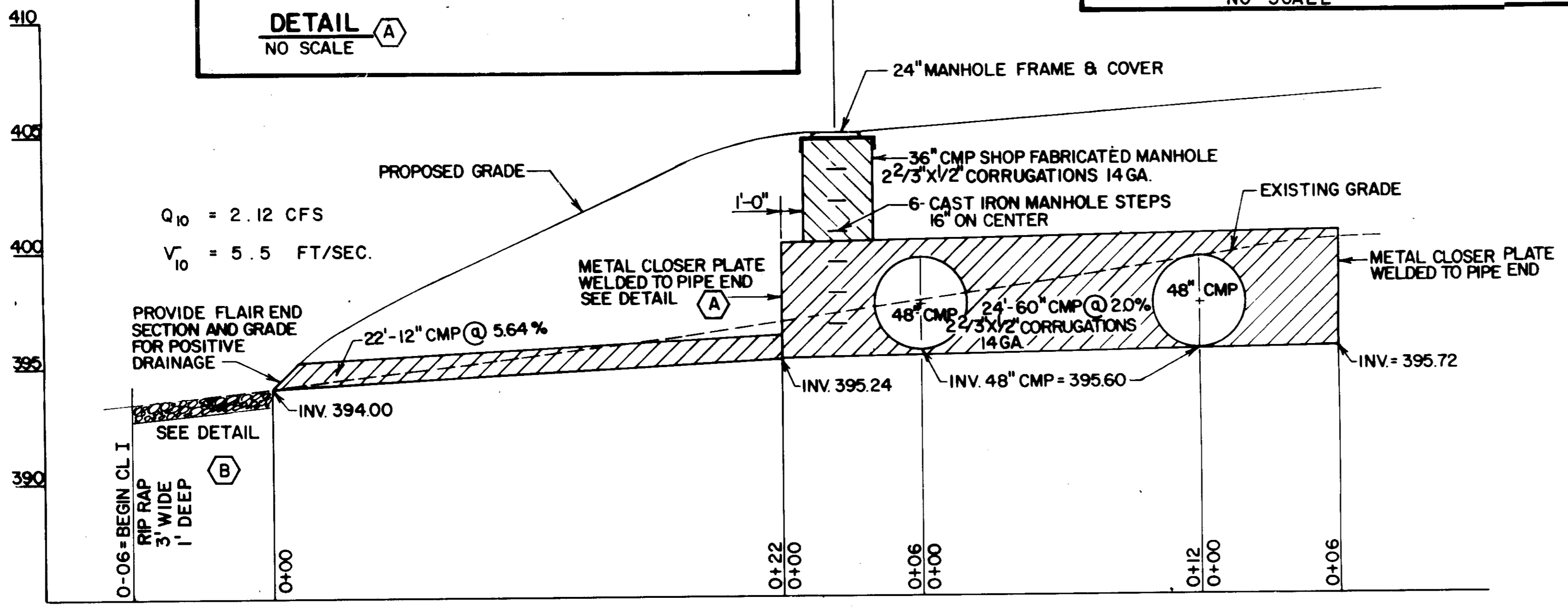
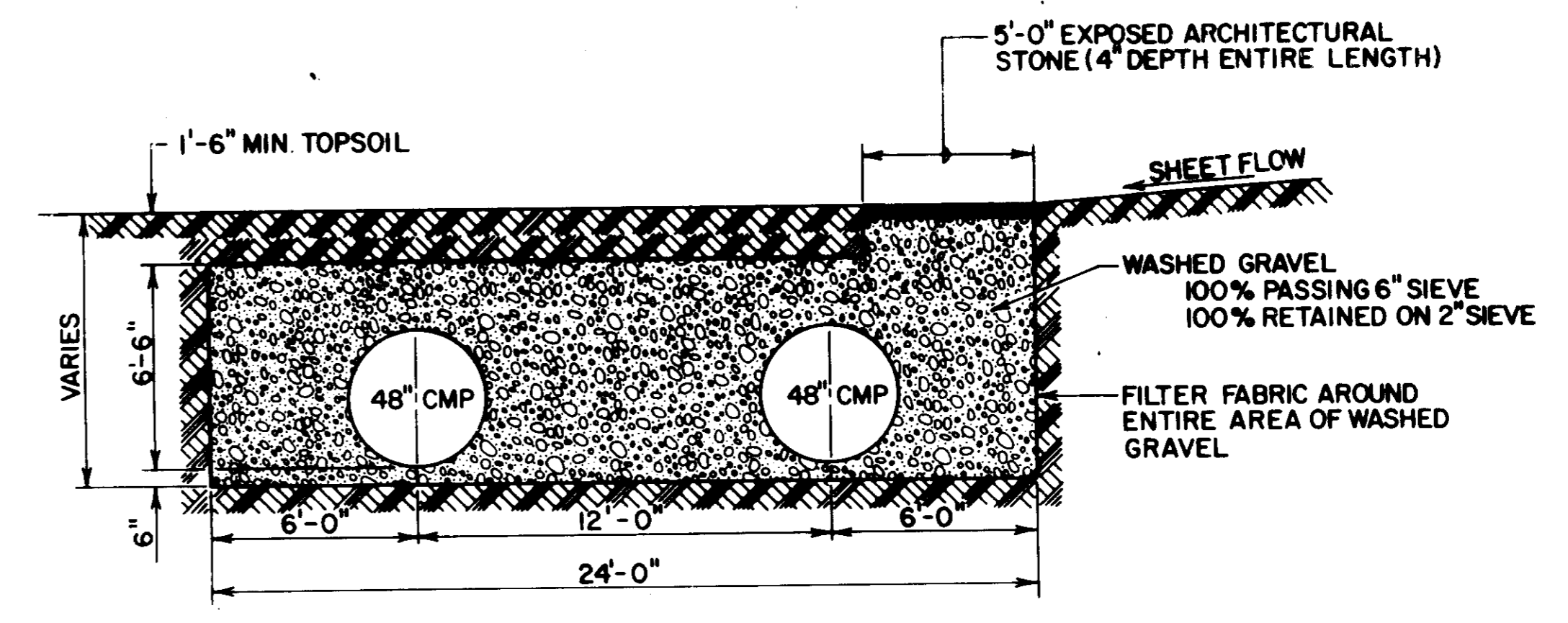
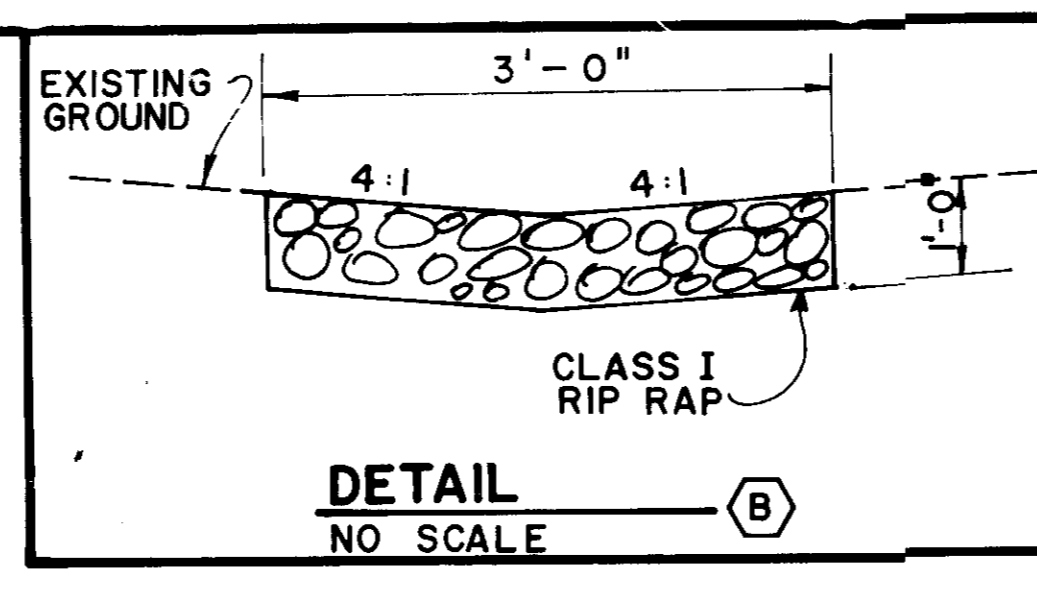
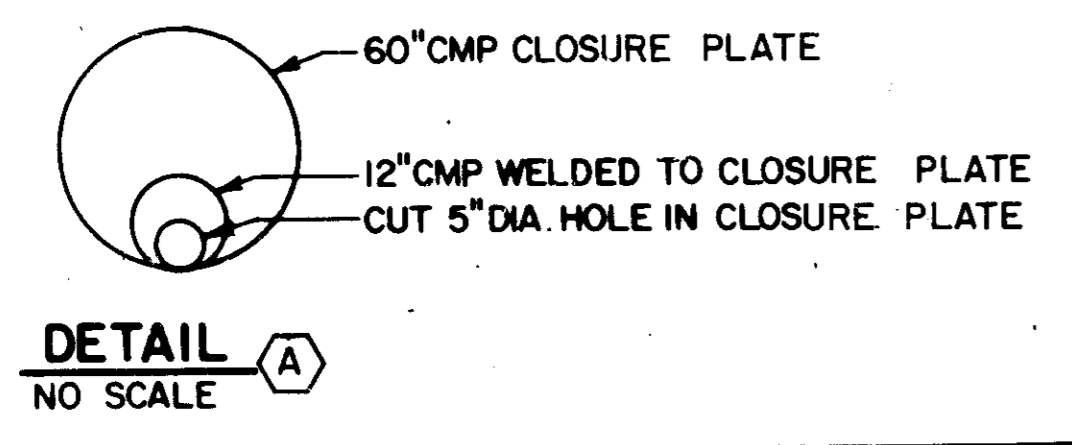
SECOND SECTION  
 DISTRICT SECTION-2  
 PARCEL A-1

**SANITARY SEWER PLAN & PROFILE**  
 OWNER: SYSTEMS CONTROL, INC.  
 1399 OLD SOLOMON'S ISLAND ROAD  
 ANNAPOLIS, MARYLAND 21401  
**ELLICOTT CENTER**  
 HOWARD COUNTY  
 MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
 STATE OF MARYLAND  
**VEHICLE EMISSION INSPECTION PROGRAM**

JOB # S19-100-00  
 DESIGN DAS, JCH  
 DRAWN RJL  
 CHECKED GEH  
 DATE JUNE 1982  
 SCALE AS SHOWN  
 SHEET 4 OF 12

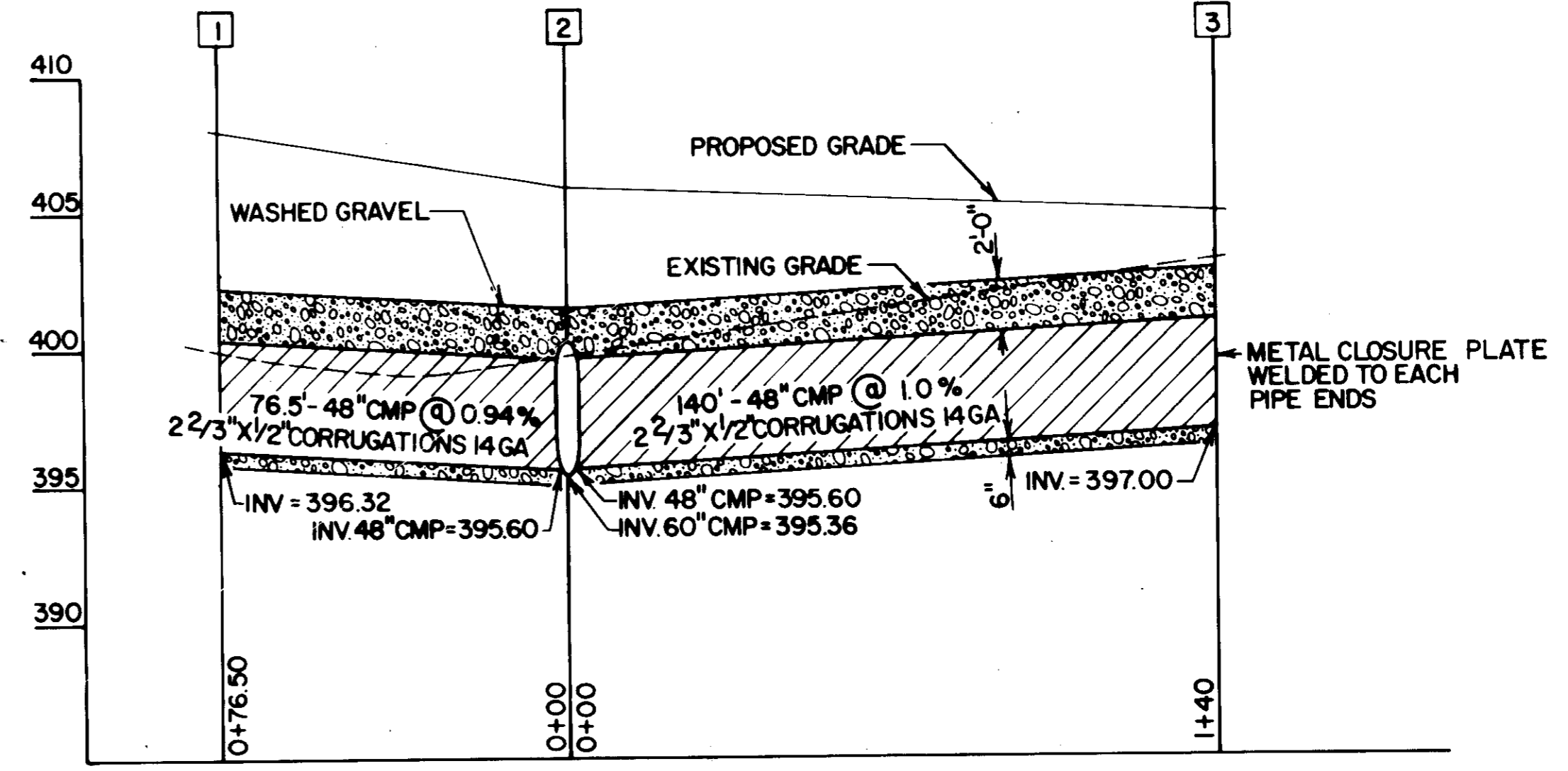
SUITE 302  
 7700 LEESBURG PIKE  
 FALLS CHURCH, VA 22043  
 703/893-0711

**C-4**  
 BOUTE  
 Engineering  
 Corporation



STORM WATER MANAGEMENT 19  
SCALE: 1/4" = 1'-0"

STORM WATER MANAGEMENT 23  
SCALE: HORZ. 1/4" = 1'-0"  
VERT. 1/4" = 1'-0"



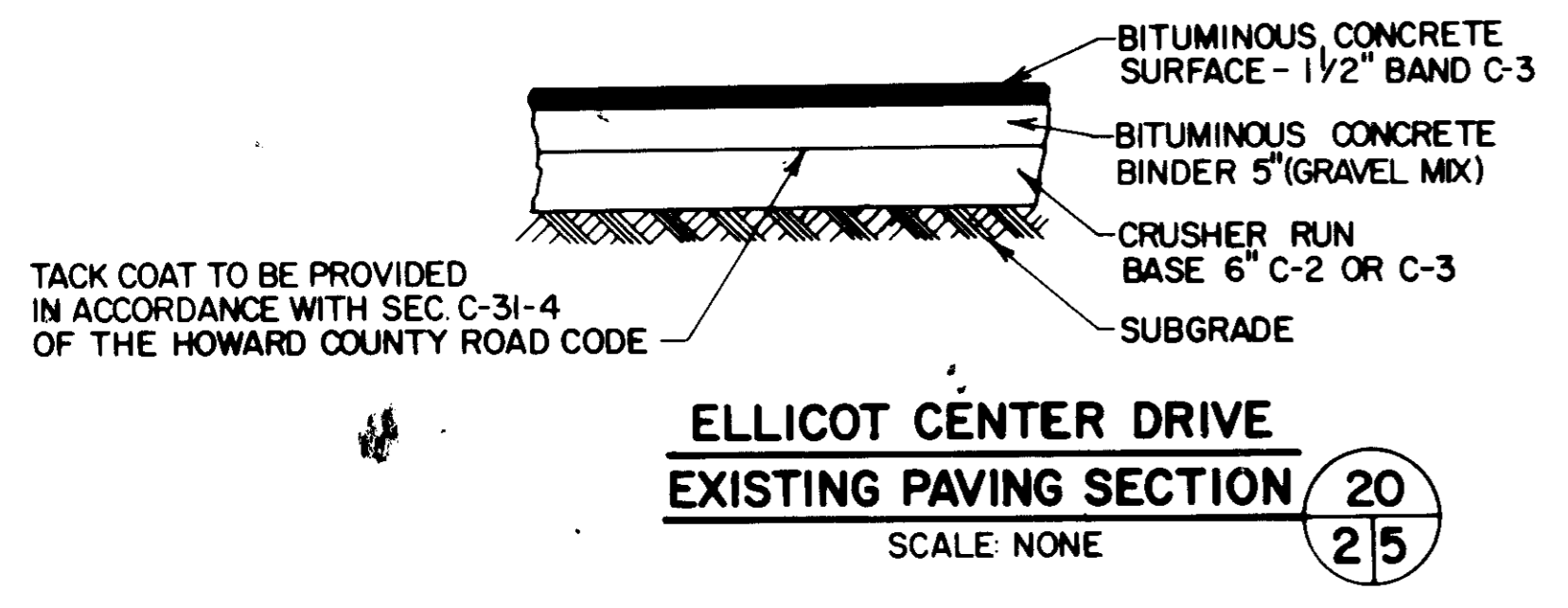
STORM WATER MANAGEMENT 22  
SCALE: HORZ. 1" = 30'  
VERT. 1" = 5'

USE STANDARD R-3.01 FROM THE HOWARD COUNTY DESIGN MANUAL - VOLUME IV  
**CURB & GUTTER** 25  
25

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*John F. Nimmy* 3-21-83  
DIRECTOR DATE  
*William J. Ryan* 3-21-83  
CHIEF, BUREAU OF ENGINEERING DATE

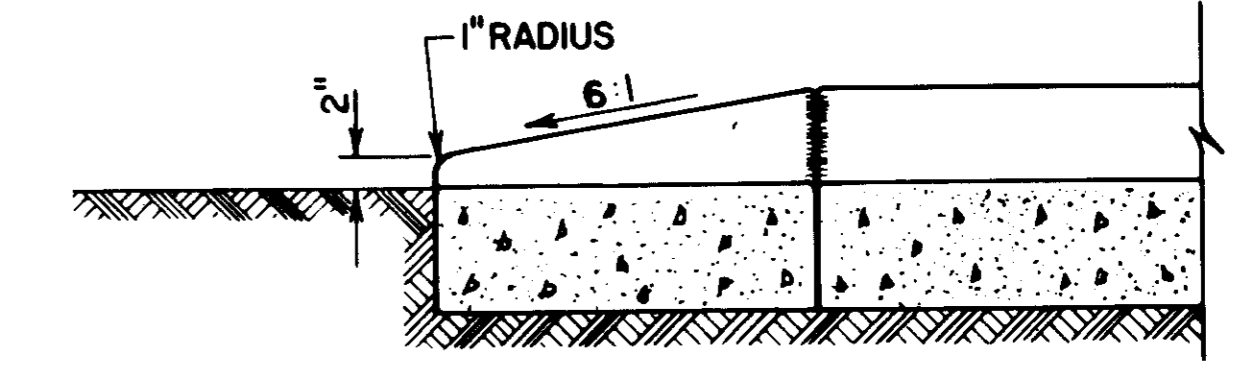
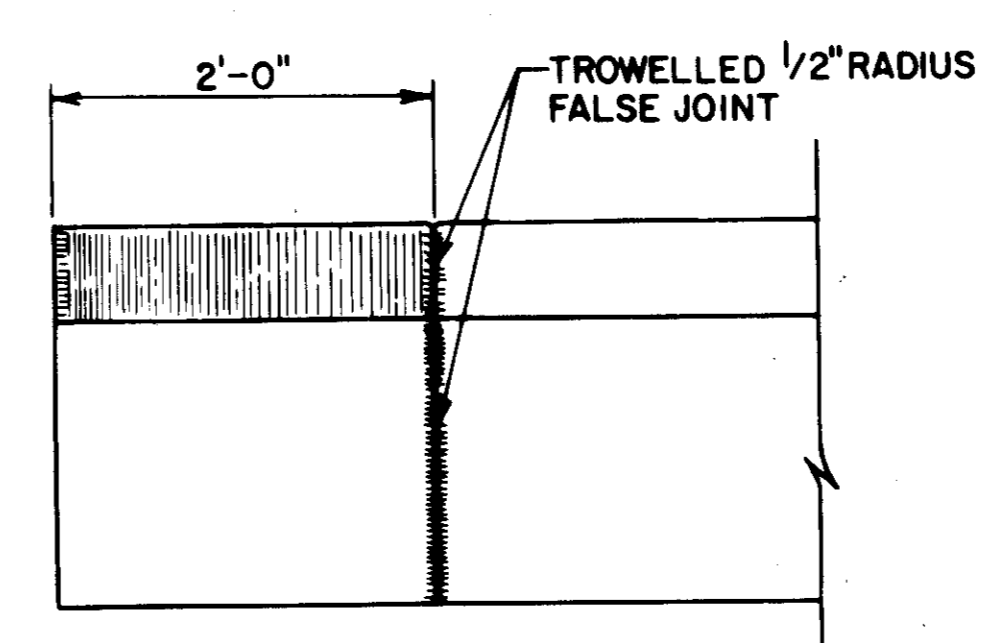
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*John Brown* 3-24-83  
COUNTY HEALTH OFFICER DATE  
F.S.

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Donald J. Harris* 3-24-83  
PLANNING DIRECTOR DATE  
*William J. Ryan* 3-24-83  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE



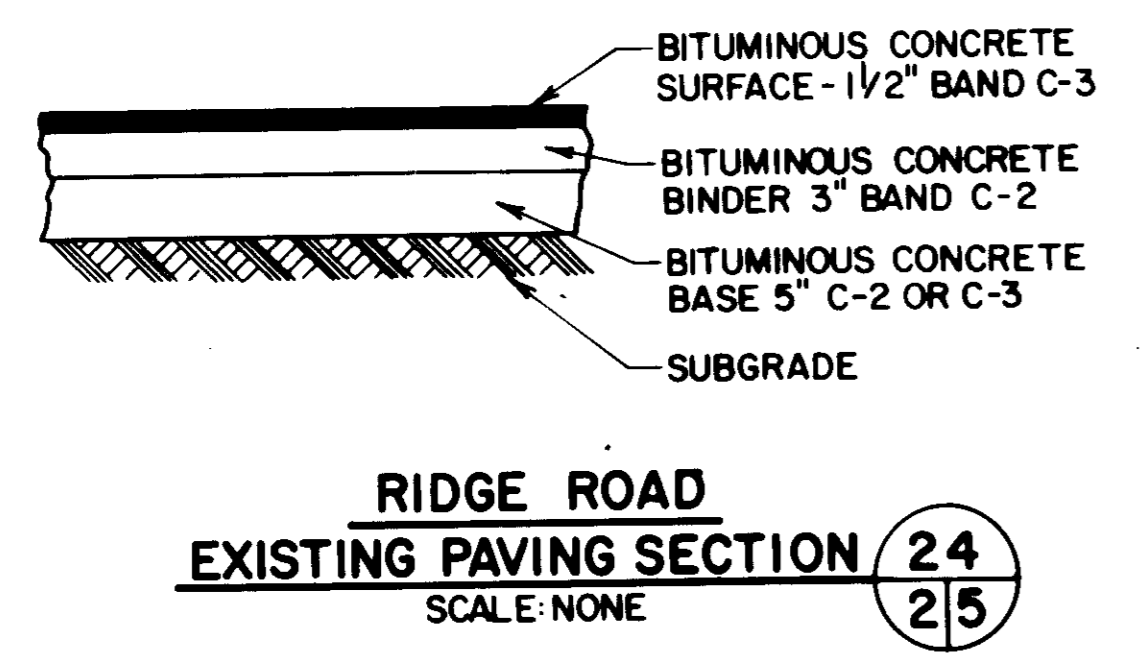
PLAN VIEW

PROFILE VIEW



SEE HOWARD COUNTY DESIGN MANUAL - VOLUME IV, R-3.01

MODIFIED STANDARD CONCRETE CURB 21  
SCALE: NONE  
25



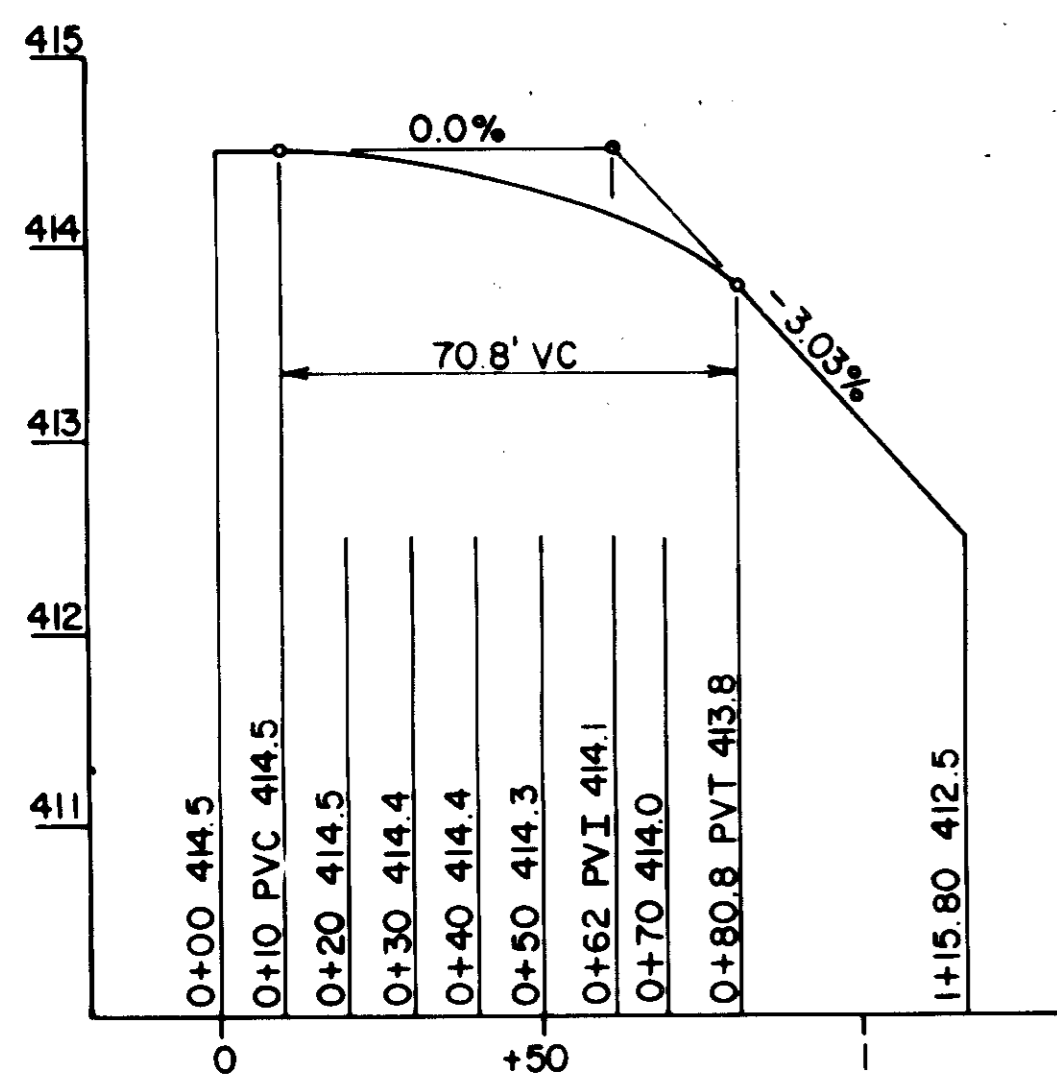
APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 12-20-82  
*William J. Ryan*

STORM WATER MANAGEMENT DETAILS  
SECOND ELECTION DISTRICT SECTION 2 PARCEL A-1 SUB # 5271  
OWNER: SYSTEMS CONTROL, INC. 139 D OLD SOLOMON'S ISLAND ROAD ANNAPOLIS, MARYLAND 21401  
SITE NO. 5  
**ELLICOTT CENTER**  
HOWARD COUNTY  
MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
STATE OF MARYLAND  
**VEHICLE EMISSION INSPECTION PROGRAM**

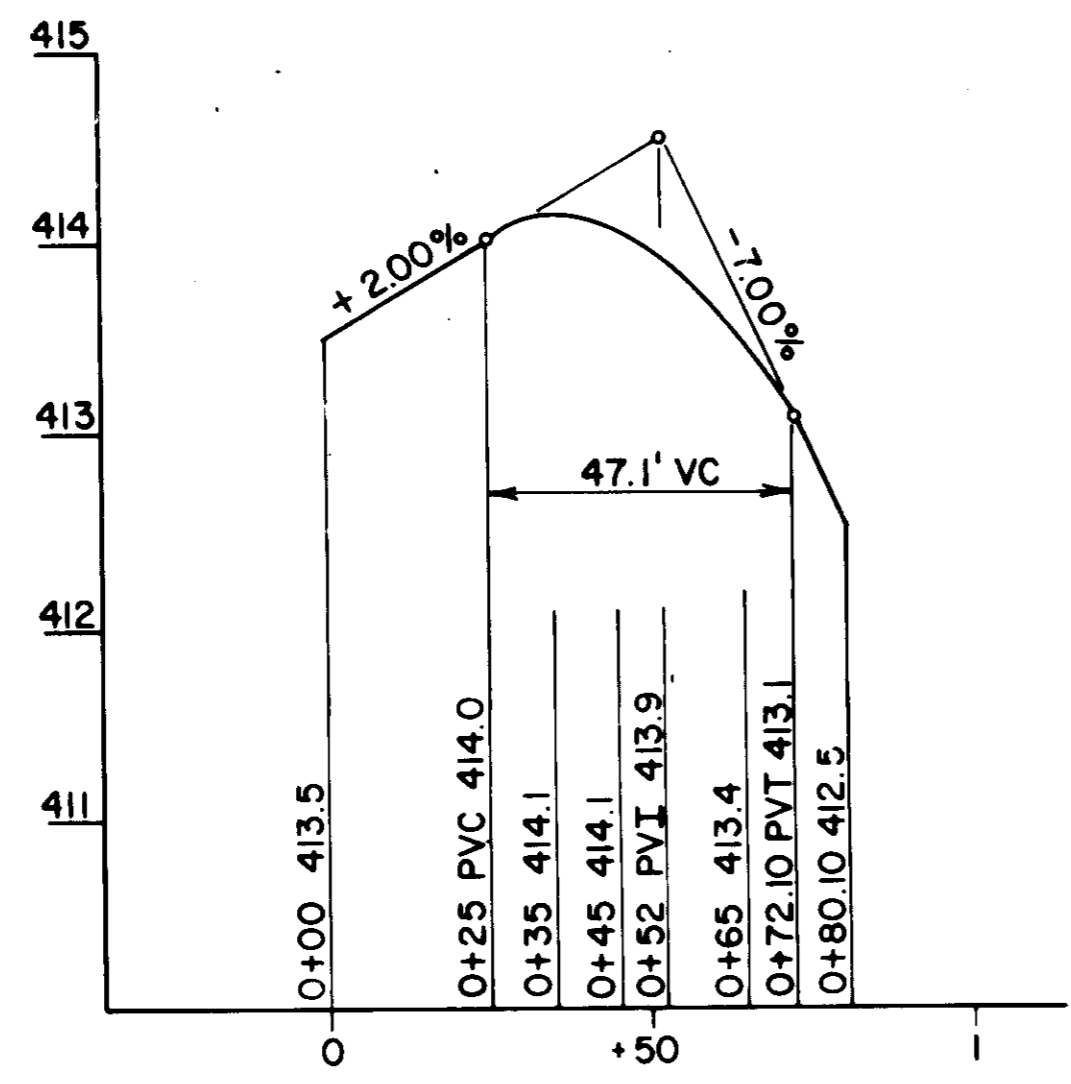
JOB # S19-100-00  
DESIGN DAS  
DRAWN RJJ  
CHECKED GEH  
DATE JUNE 1982  
SCALE AS SHOWN  
SHEET 5 OF 12

SUITE 302  
7700 LEESBURG PIKE  
FALLS CHURCH, VA 22043  
703/893-0711

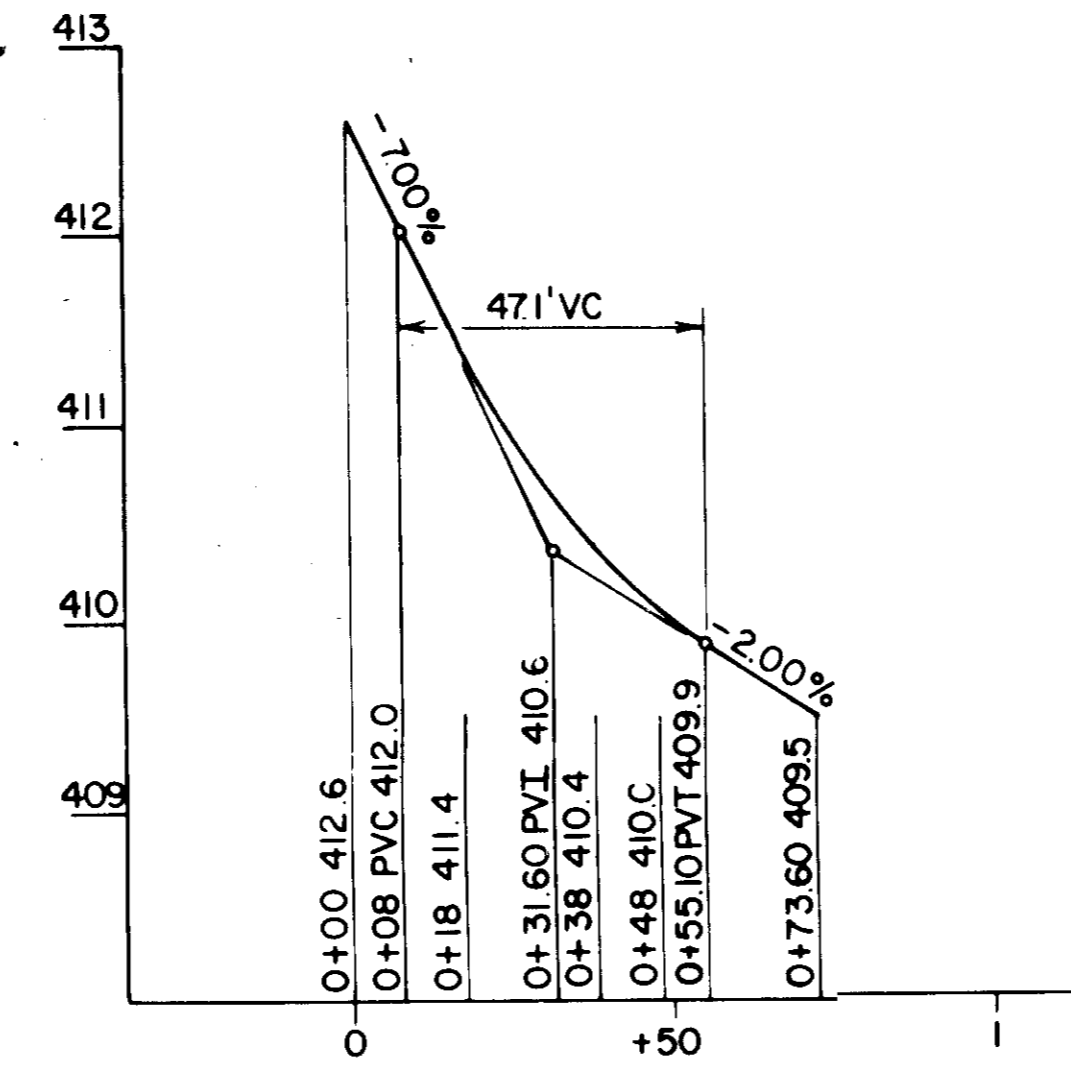
C-5  
SOUL Engineering Corporation



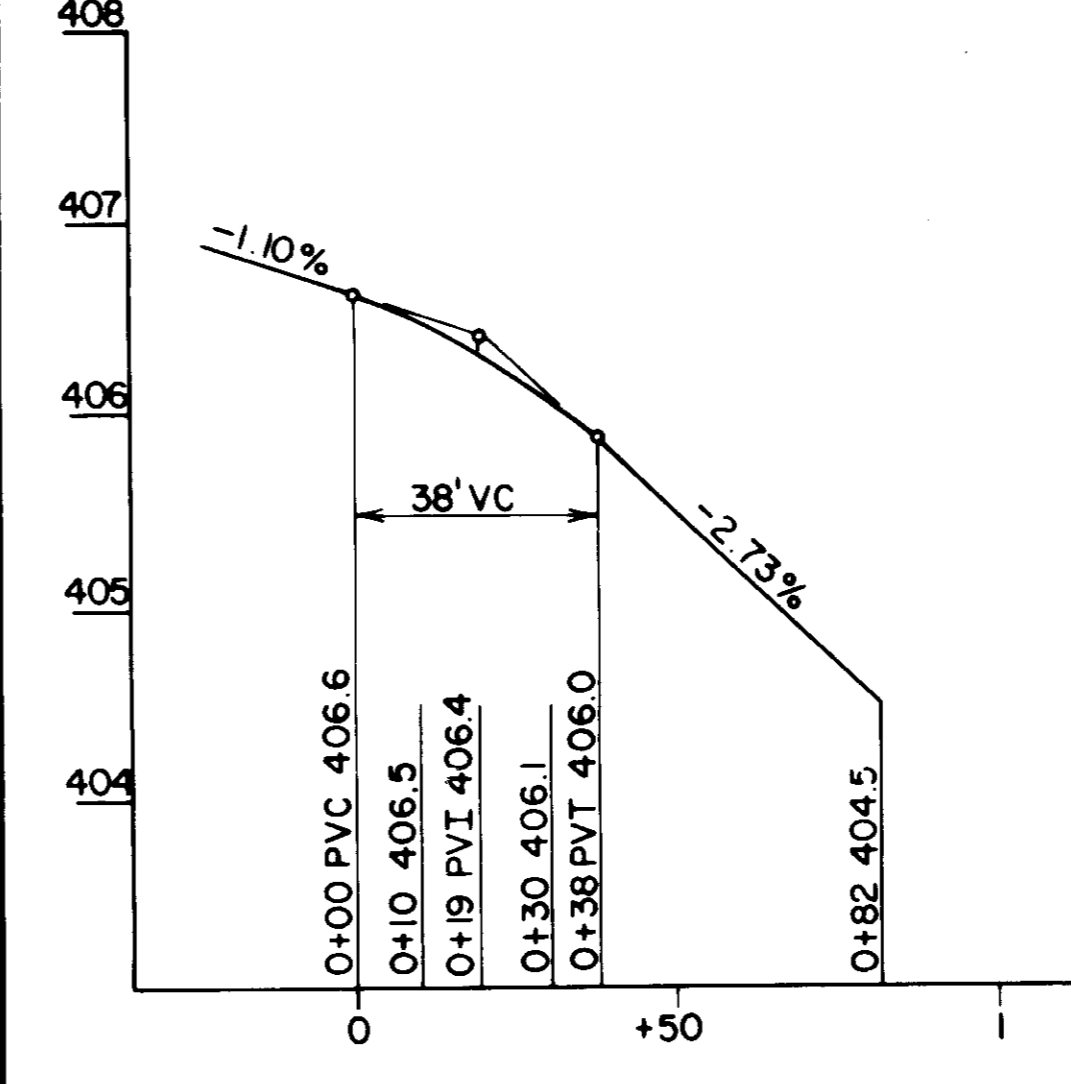
**CURB RETURN**  $\Delta$   
SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"



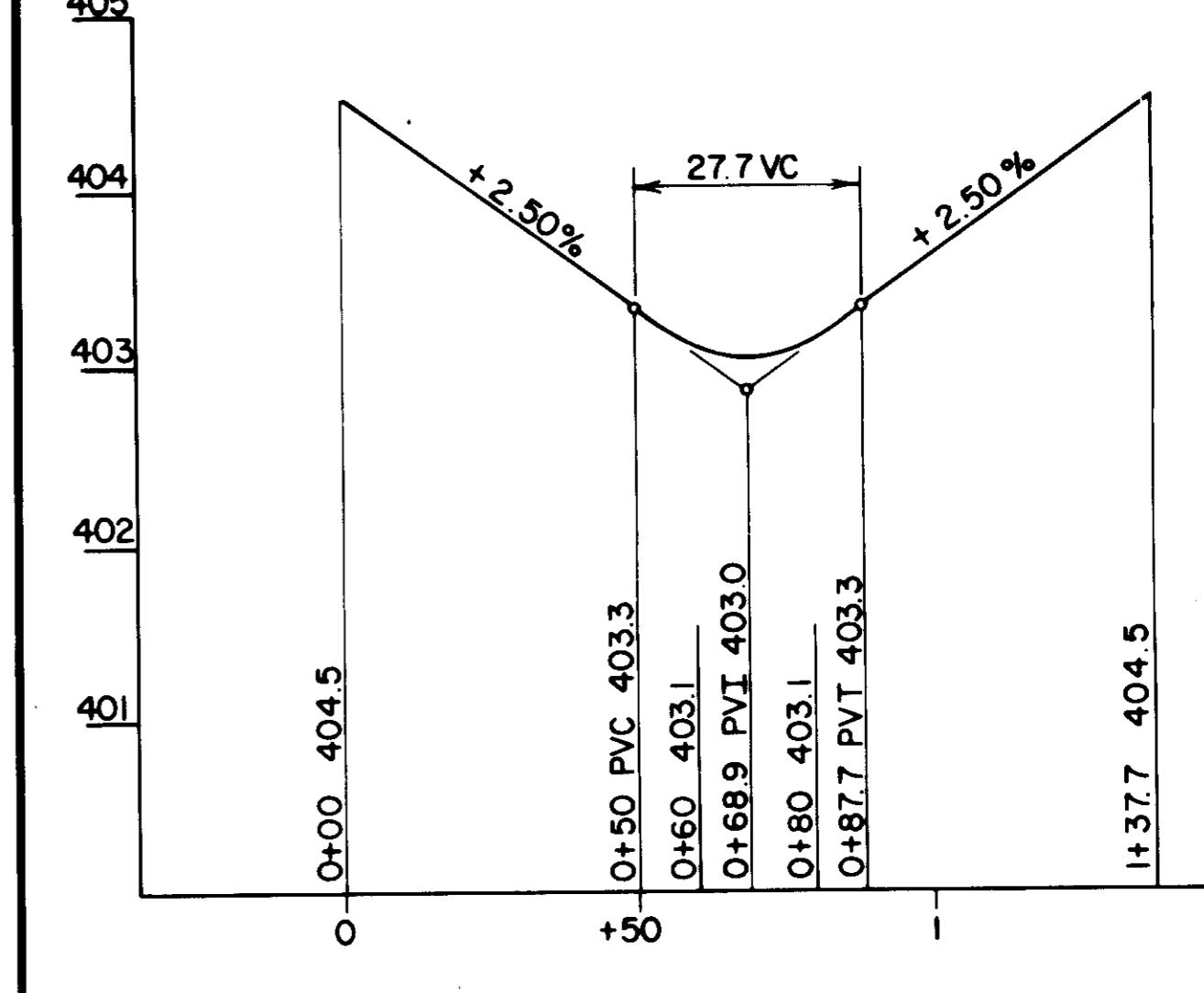
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SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"



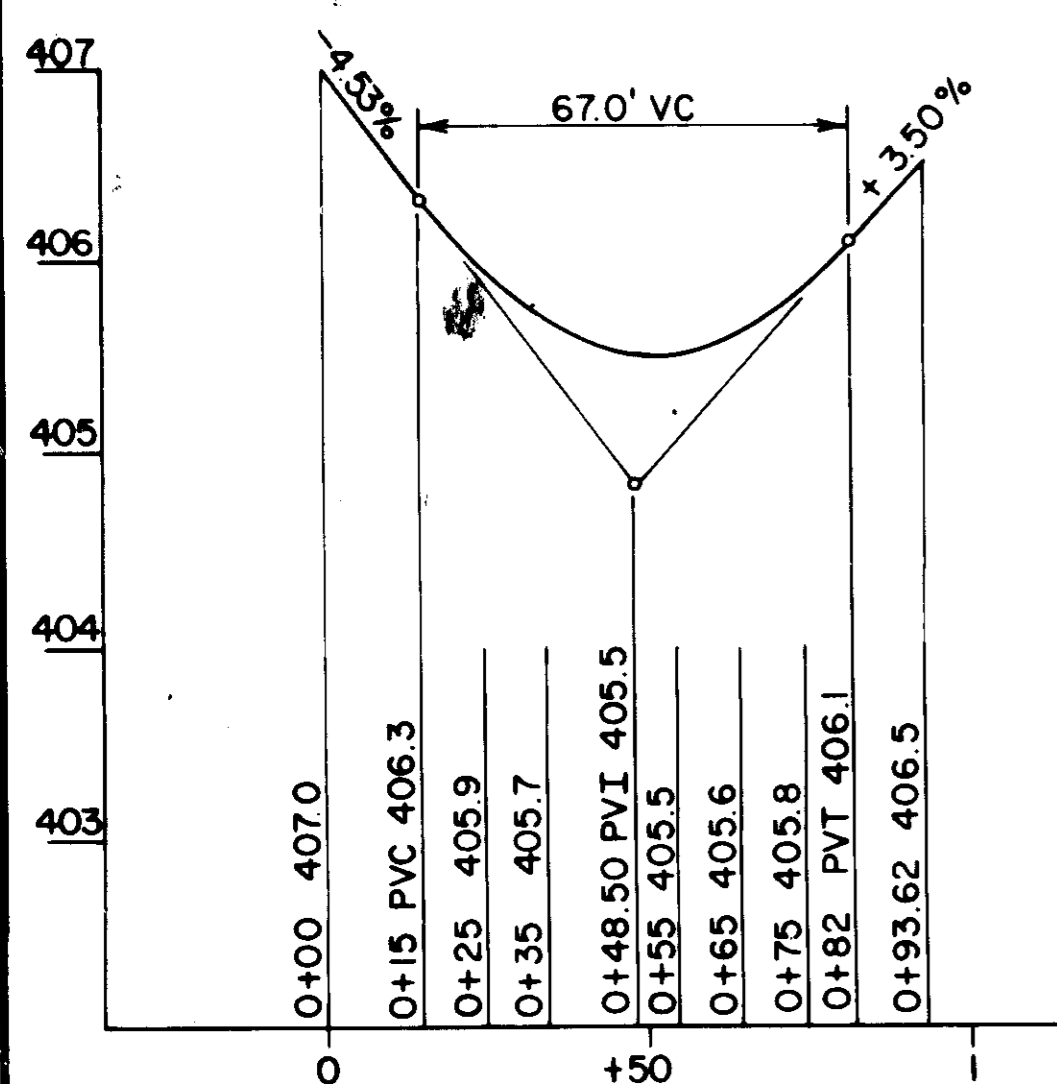
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SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"



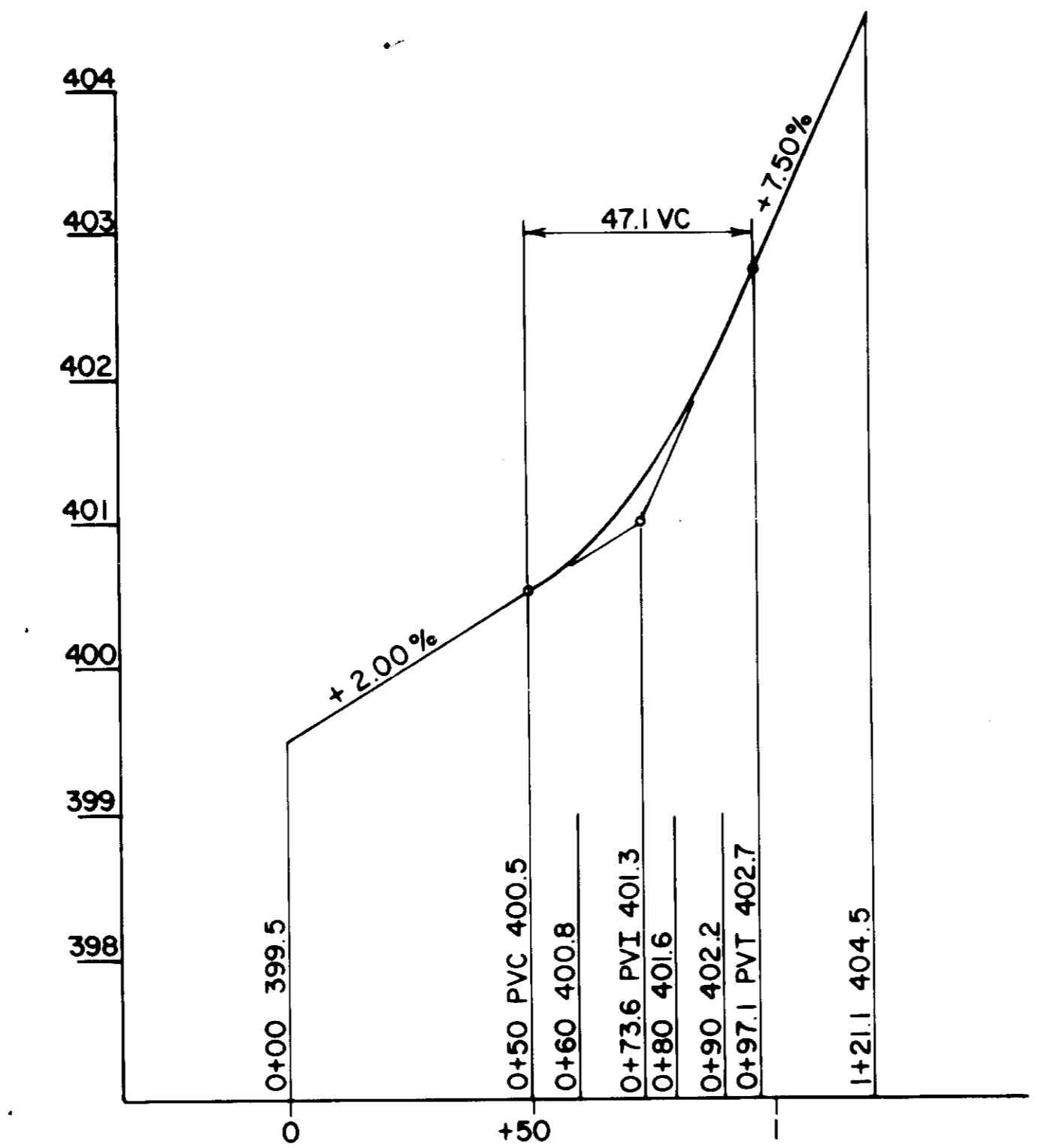
**CURB RETURN**  $\Delta$   
SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"



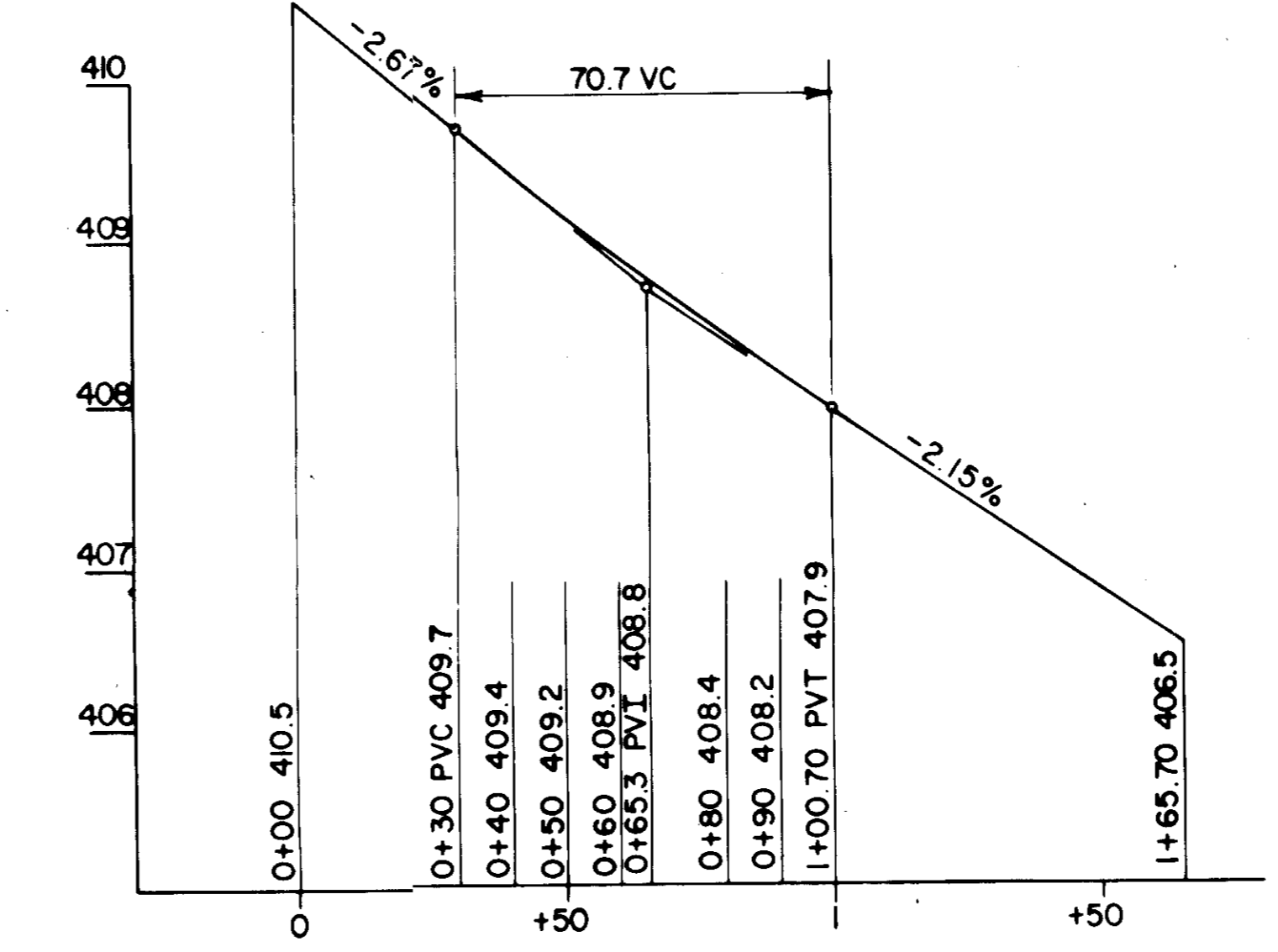
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SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"



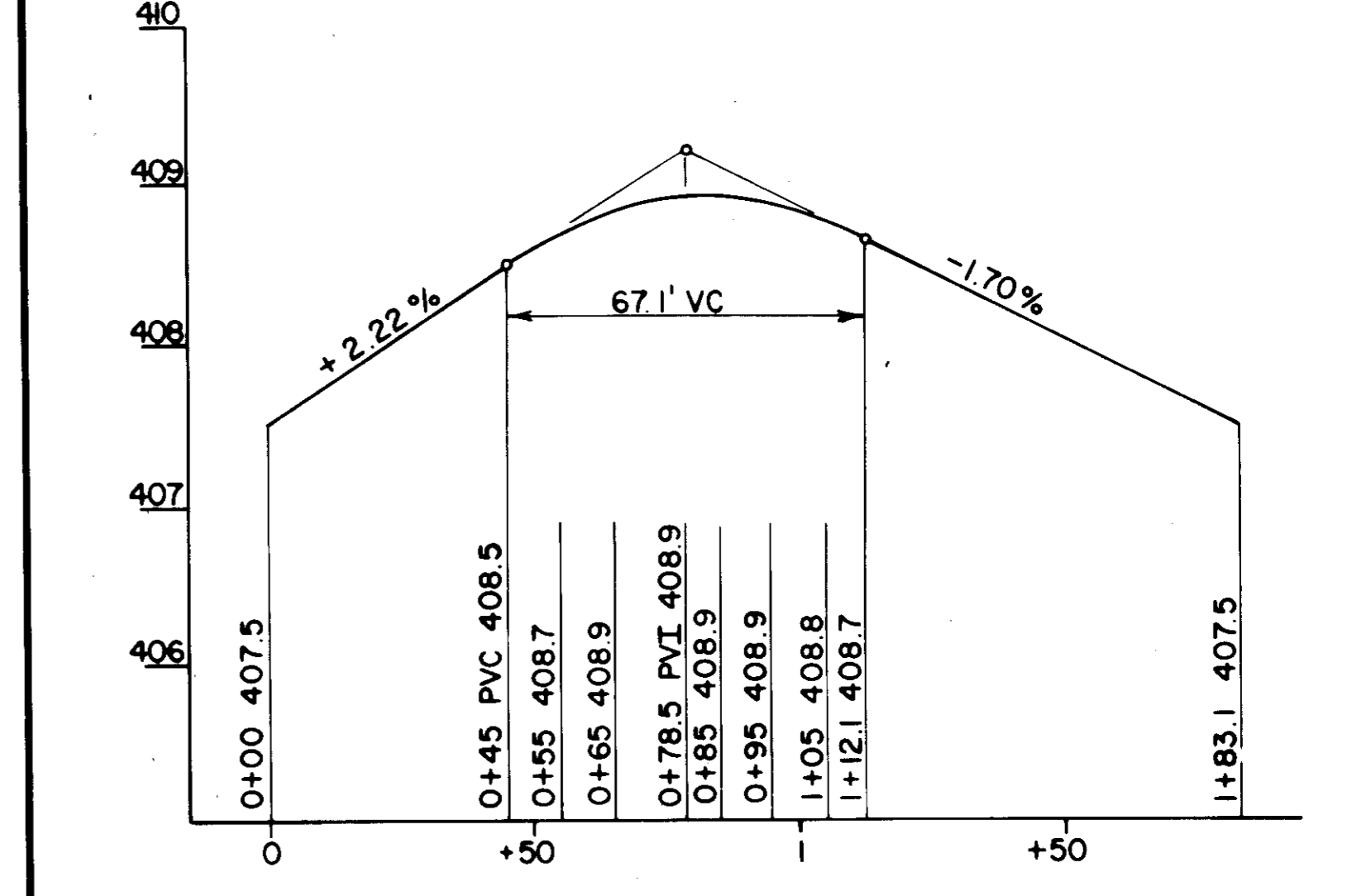
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SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"



**CURB RETURN**  $\Delta$   
SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"



**CURB RETURN**  $\Delta$   
SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"



**CURB RETURN**  $\Delta$   
SCALE: HORZ. 1"=30'  
VERT. 1"=1'-0"

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
*George F. Neimeyer* 3-21-83  
DIRECTOR DATE  
*William S. King* 3-21-83  
CHIEF, BUREAU OF ENGINEERING DATE

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
*James B. ...* 3-22-83  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Thomas J. Harris* 3-24-83  
PLANNING DIRECTOR DATE  
*William M. ...* 3-24-83  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

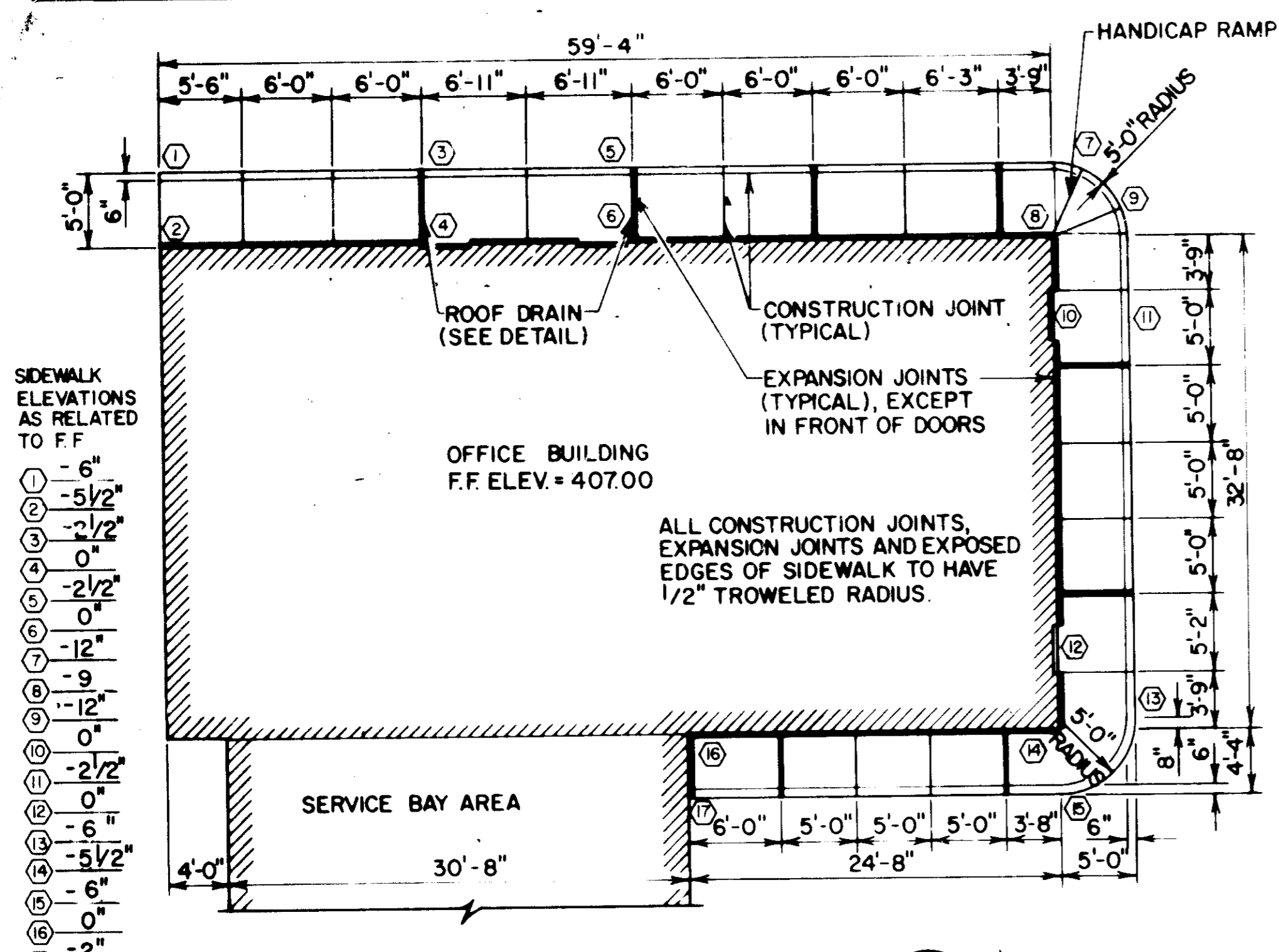
APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 12-20-82  
*[Signature]*

SECOND ELECTION DISTRICT  
SECTION 2  
PARCEL A-1 P.S.# 527  
OWNER: SYSTEMS CONTROL, INC.  
139 D OLD SOLOMON'S ISLAND ROAD  
ANNAPOLIS, MARYLAND 21401  
MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
STATE OF MARYLAND  
**VEHICLE EMISSION INSPECTION PROGRAM**

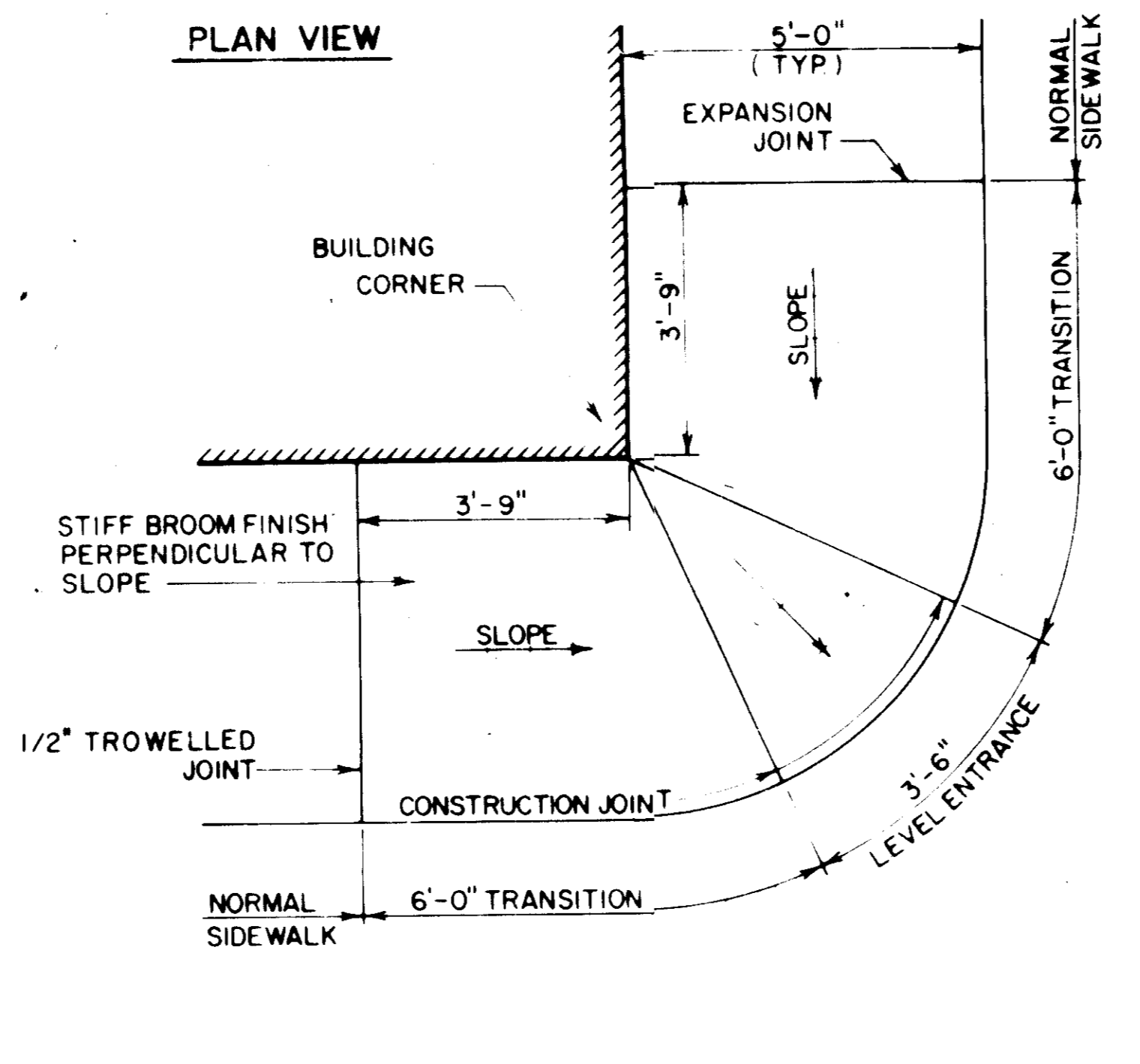
JOB # S19-100-00  
DESIGN D.A.S.  
DRAWN R.J.L.  
CHECKED G.E.H.  
DATE JUNE 1982  
SCALE AS SHOWN  
SHEET 6 OF 12

SUITE 302  
7700 LEESBURG PIKE  
FALLS CHURCH, VA 22043  
703/893-0711

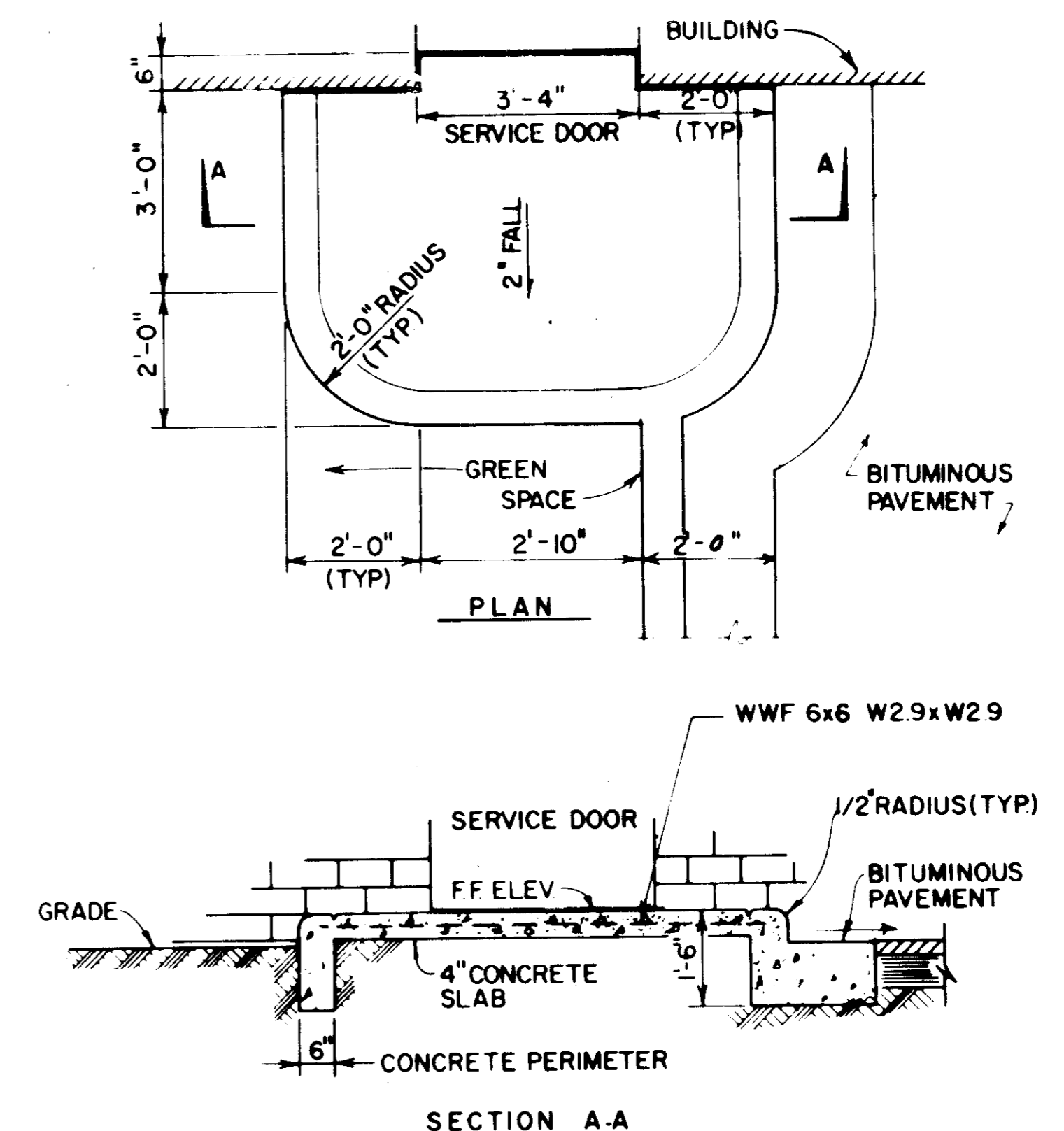
C-6  
Sole Engineering Corporation



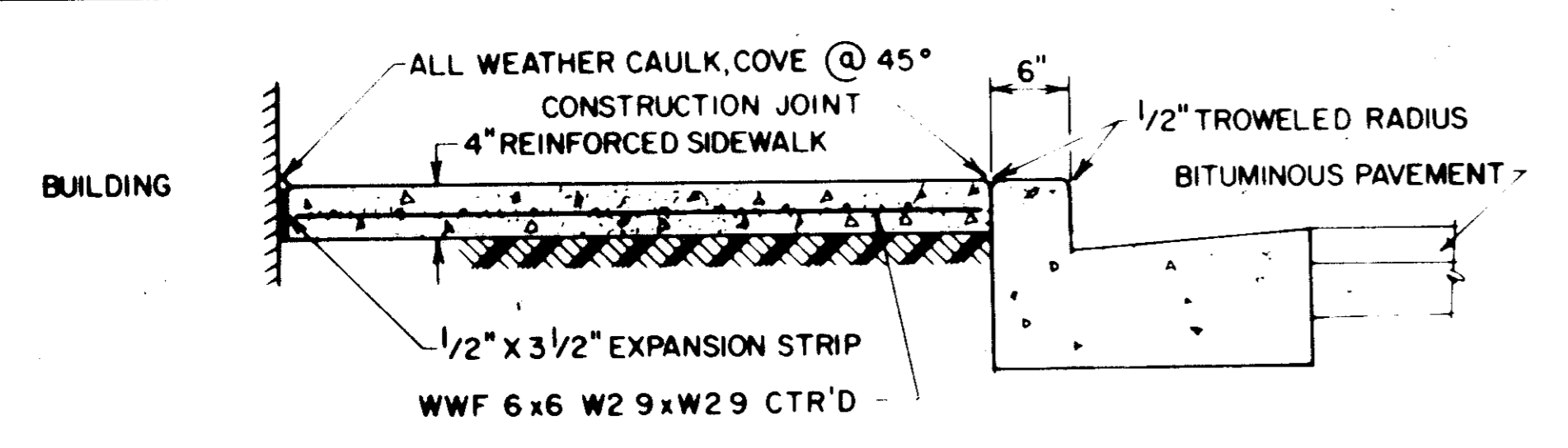
**REINFORCED CONCRETE SIDEWALK**  
SCALE 1/8" = 1'-0" 1  
27



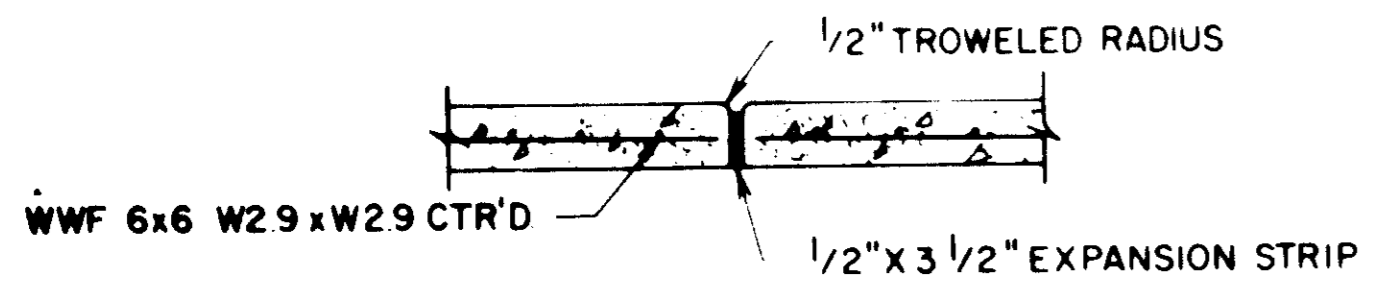
**RADIAL HANDICAP CURB CUT**  
SCALE 1/2" = 1'-0" 5  
27



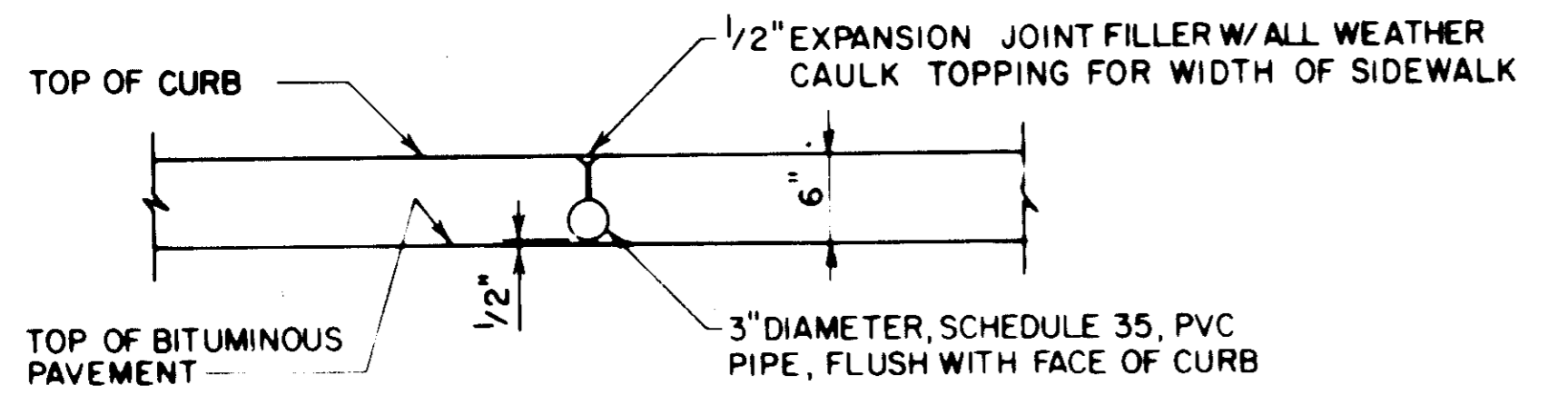
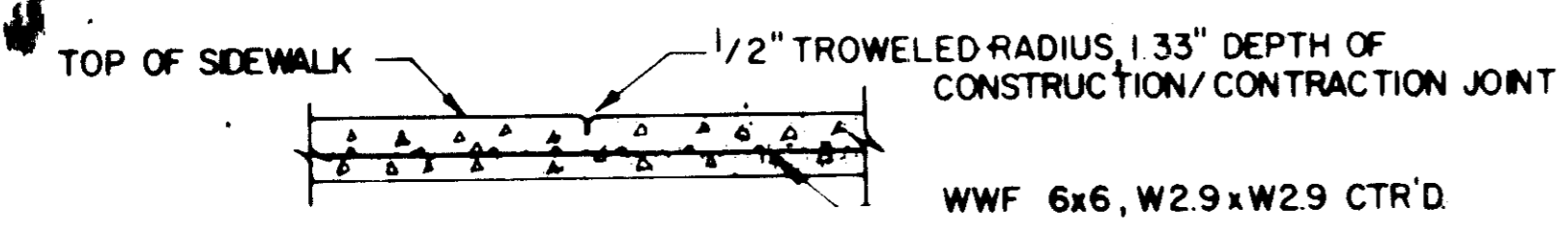
**CONCRETE STOOP**  
SCALE: NONE 7  
27



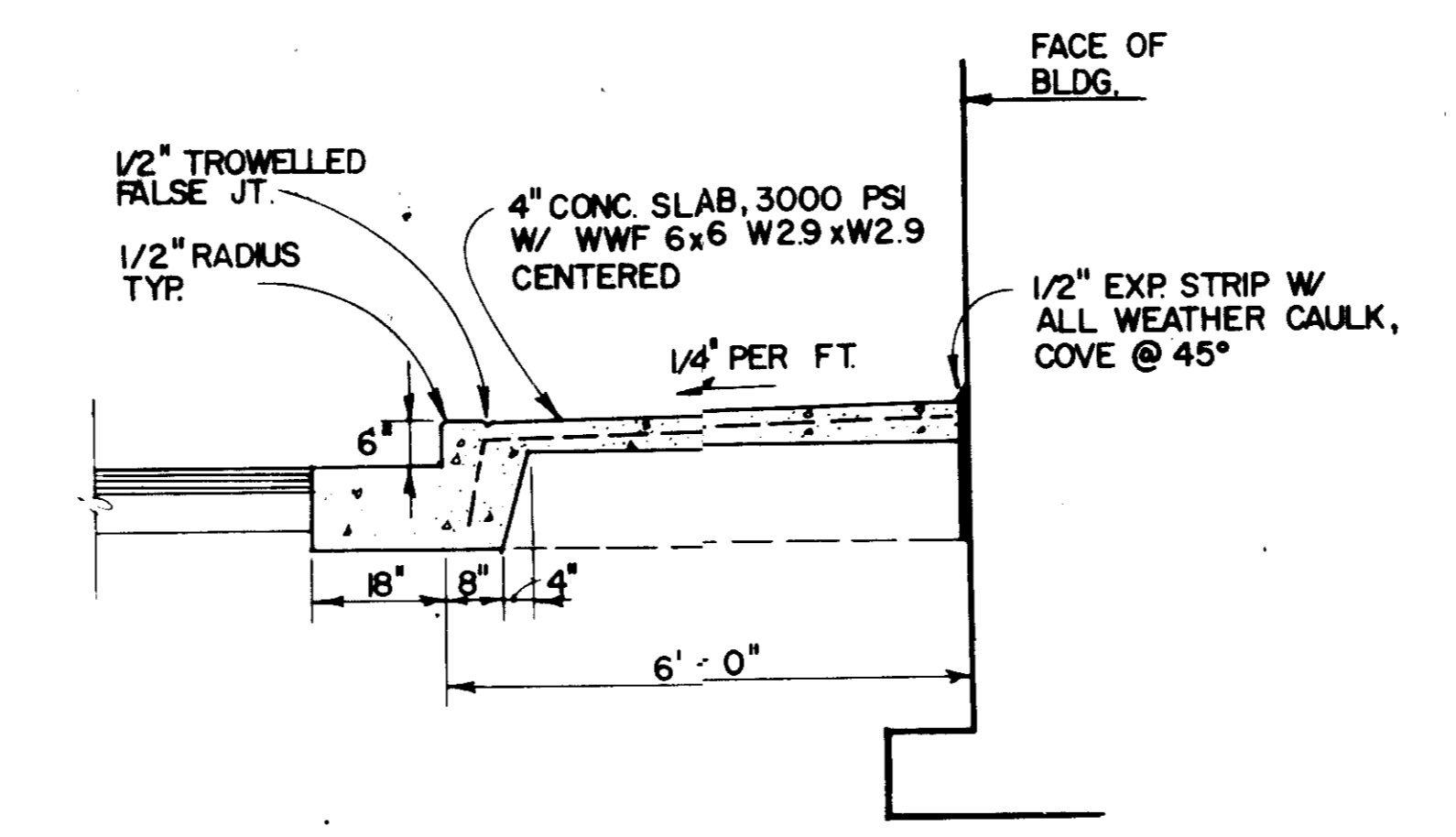
**EXPANSION & CONSTRUCTION JOINT DETAILS**  
SCALE 1" = 1'-0" 2  
27



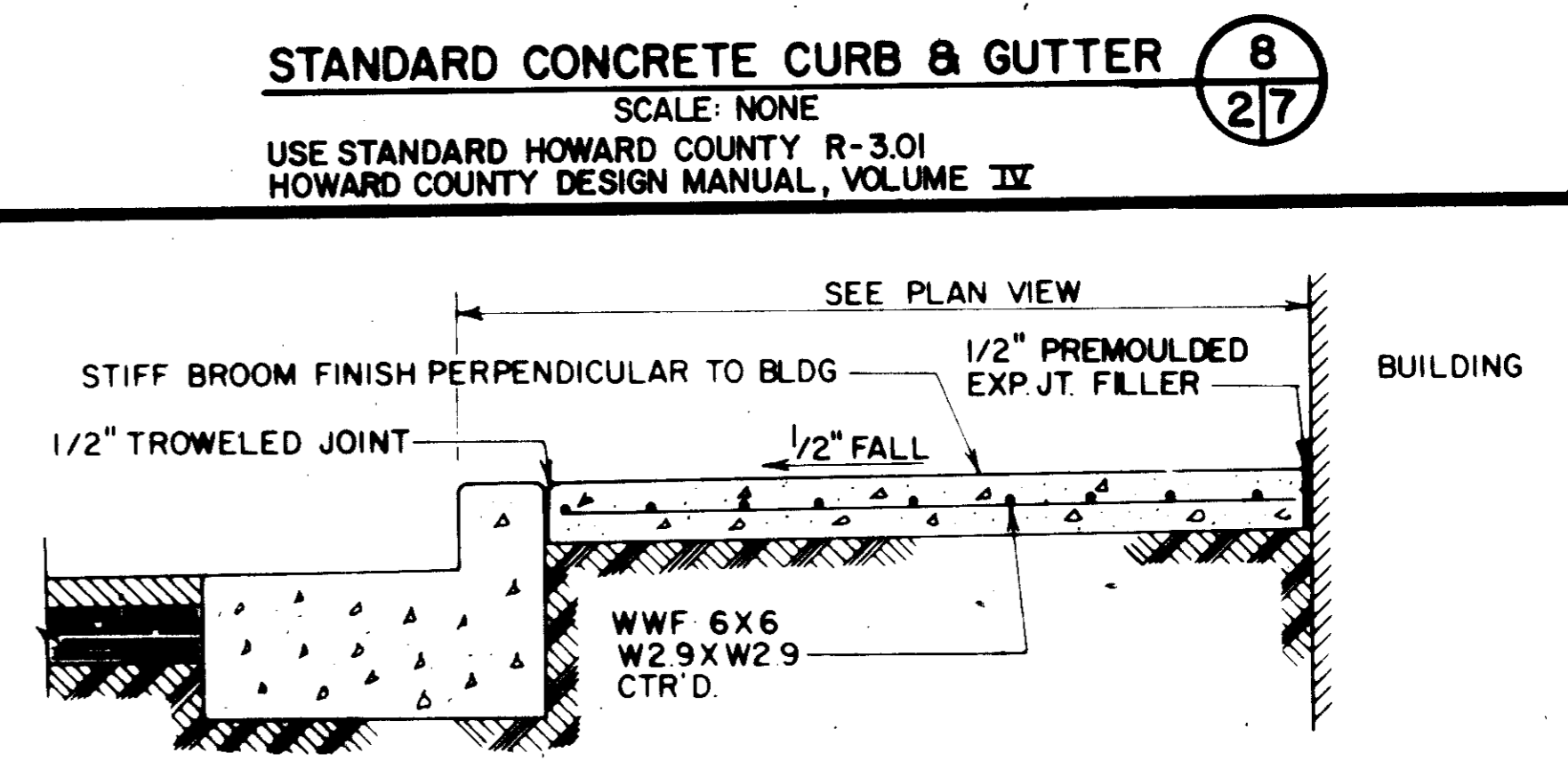
**CONSTRUCTION JOINT DETAIL**  
SCALE 1" = 1'-0" 3  
27



**STANDARD SIDEWALK ROOF DRAIN DETAIL**  
SCALE 1" = 1'-0" 4  
27



**GORE AREA CONC. DIVERSION CURB**  
SCALE: 1/2" = 1'-0" 6  
27



**REINFORCED CONCRETE SIDEWALK**  
SCALE 1" = 1'-0" 9  
27

APPROVED  
DIVISION OF LAND DEVELOPMENT &  
ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 12-20-82

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Director: Mark F. Neumayr 3-21-83  
Chief, Bureau of Engineering: [Signature] 3-21-83

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
County Health Officer: [Signature] 3-24-83

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
Planning Director: [Signature] 3-24-83  
Chief, Division of Land Development and Zoning Administration: [Signature] 3-24-83



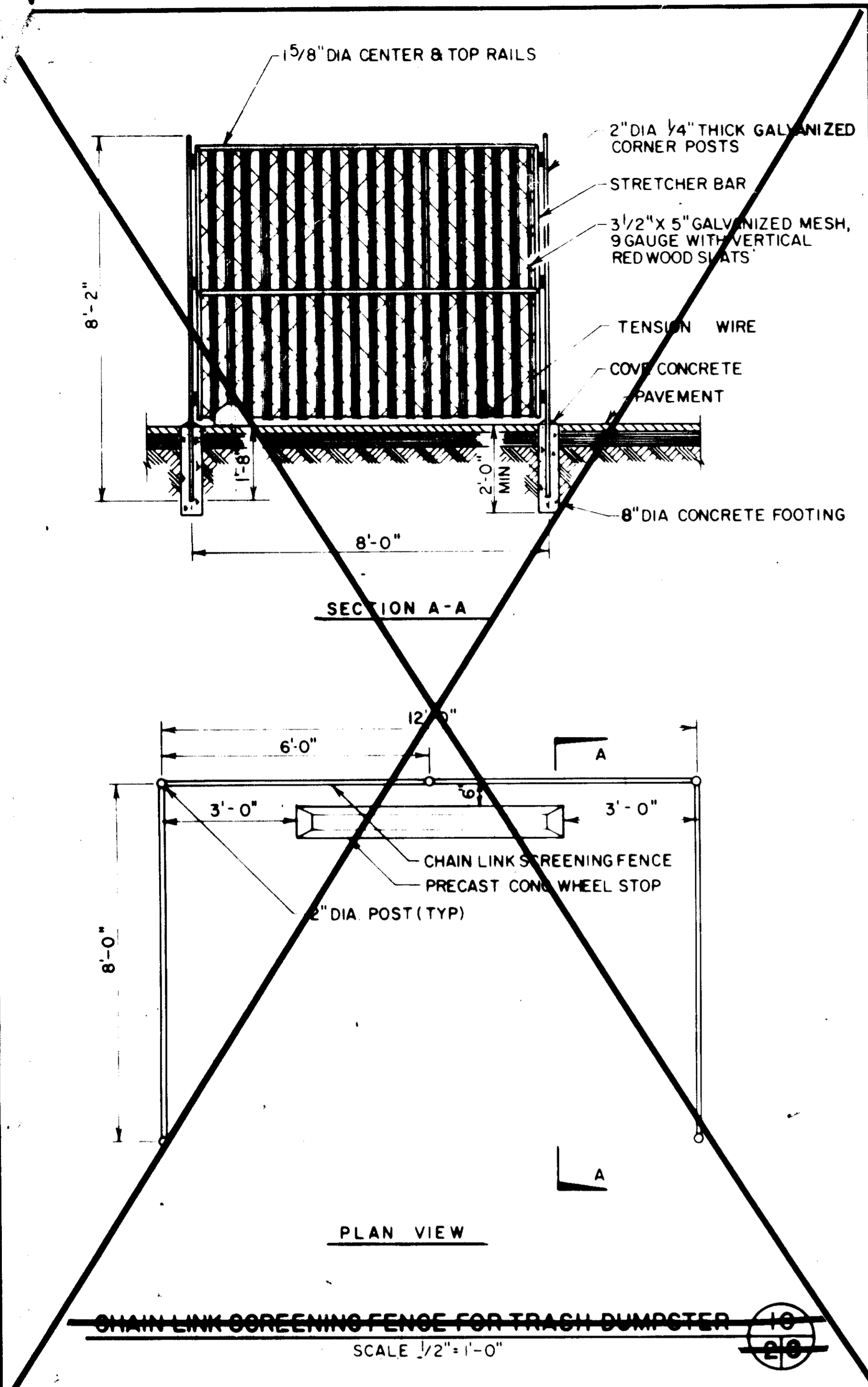
MARK	DATE	BY	REVISION

STANDARD DETAILS	SECOND ELECTION DISTRICT SECTION 2	OWNER: SYSTEMS CONTROL, INC. 159 D OLD SULLY ROAD ANNAPOLIS, MARYLAND 21401
	PARCEL A-1 28.7 5221	
6 LANE FACILITY CENTER	SITE NO. 5	MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION STATE OF MARYLAND

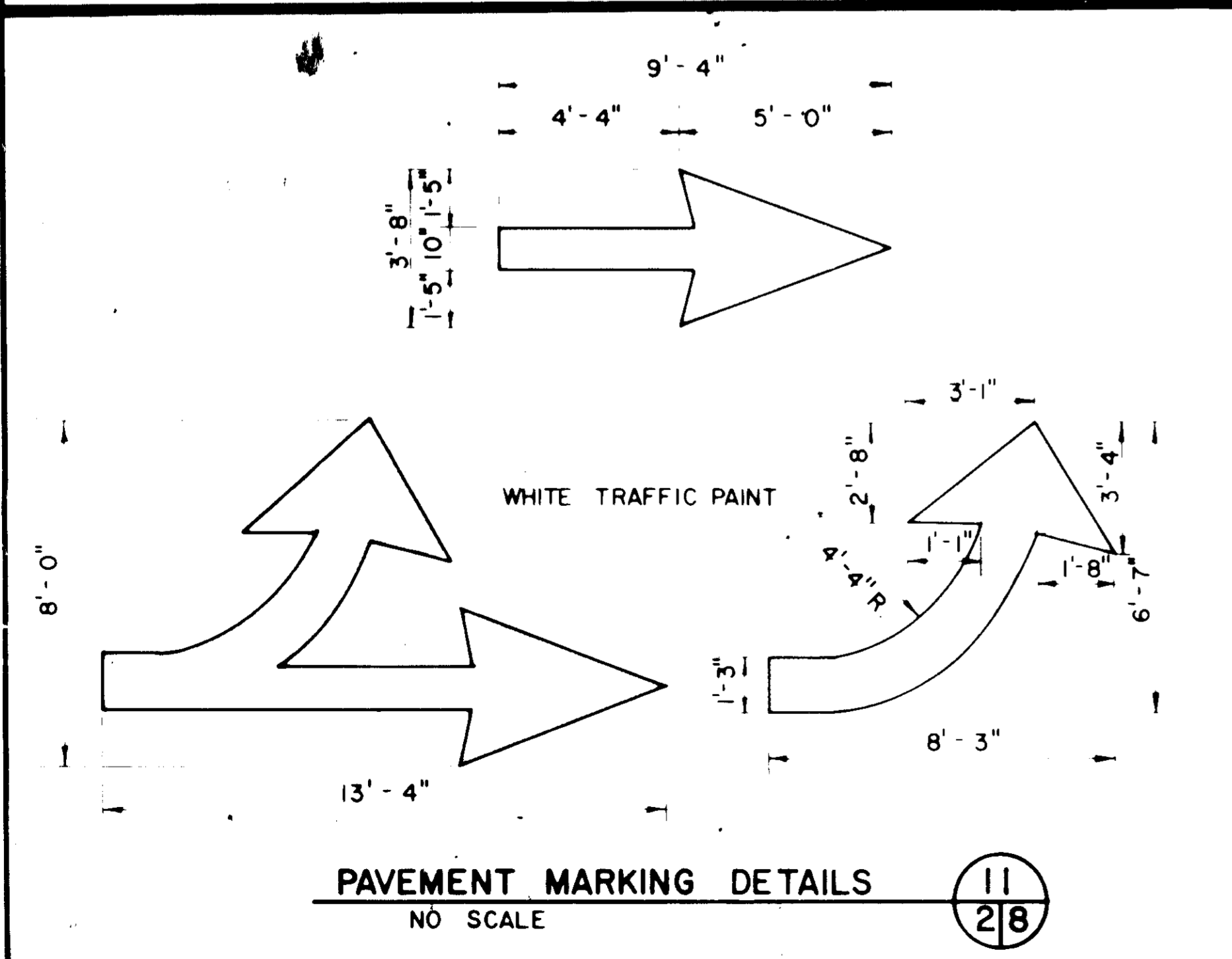
JOB # VA-S19-100-00	DESIGN JJC III
DRAWN MGD, RL	CHECKED GEH
DATE JUNE 1982	SCALE AS NOTED
SHEET 7 OF 12	

SUITE 302  
7700 LEESBURG PIKE  
FALLS CHURCH, VA 22043  
703/893-0711

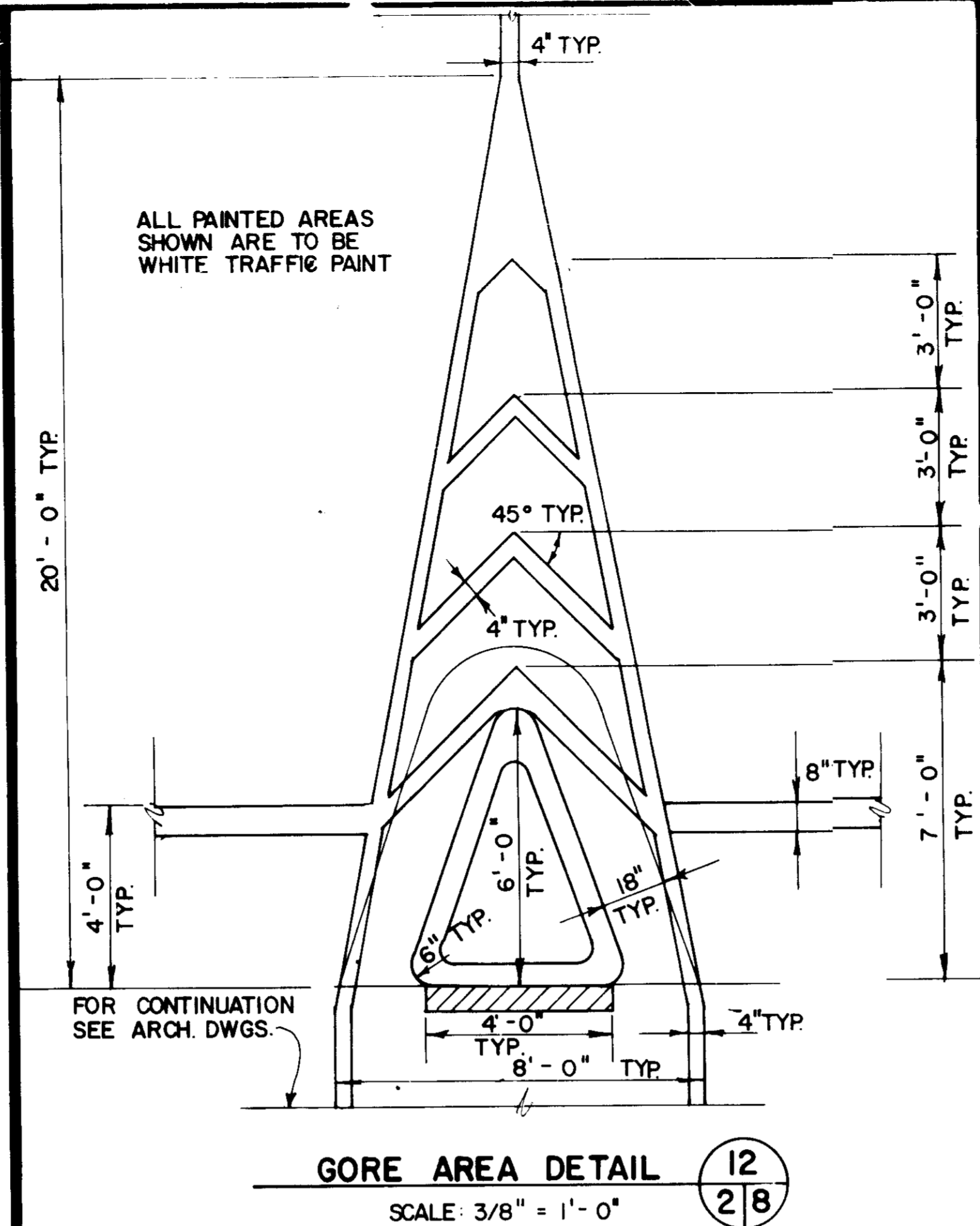
C-7  
Boue Engineering Corporation



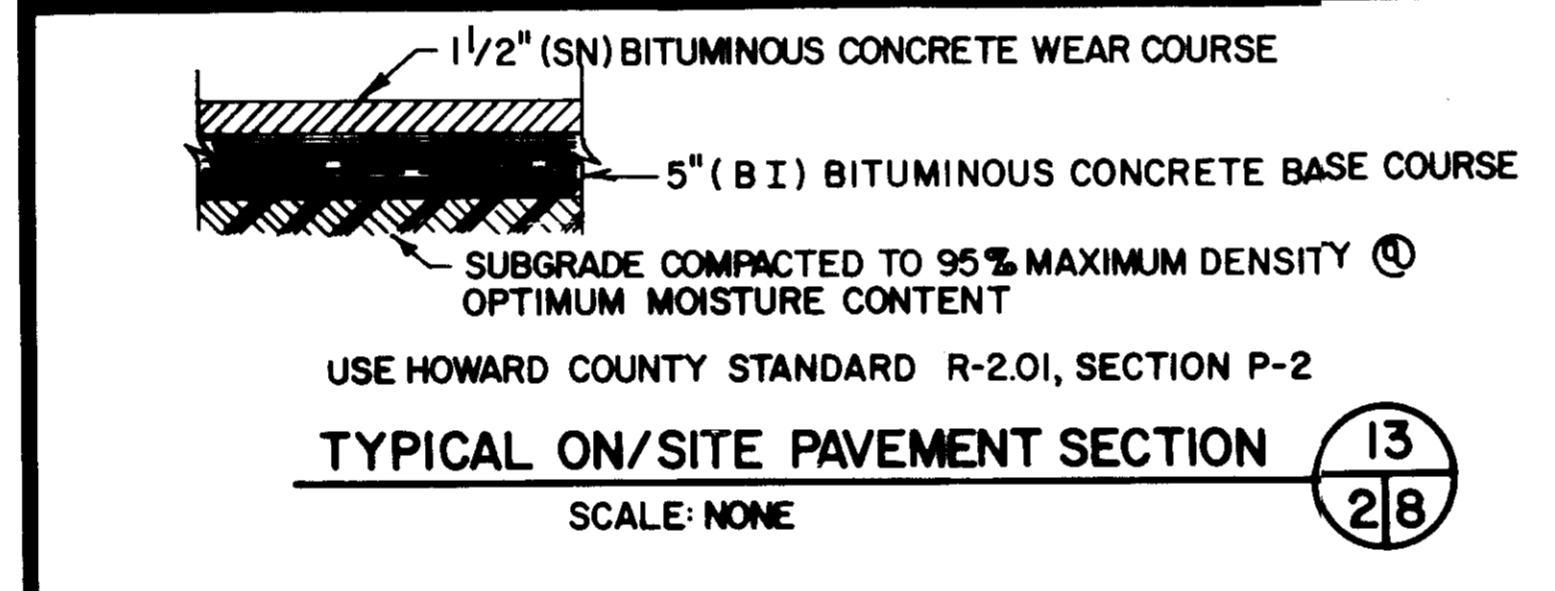
**CHAIN LINK SCREENING FENCE FOR TRASH DUMPSTER** 18  
SCALE: 1/2" = 1'-0"



**PAVEMENT MARKING DETAILS** 11  
NO SCALE 2/8



**GORE AREA DETAIL** 12  
SCALE: 3/8" = 1'-0" 2/8

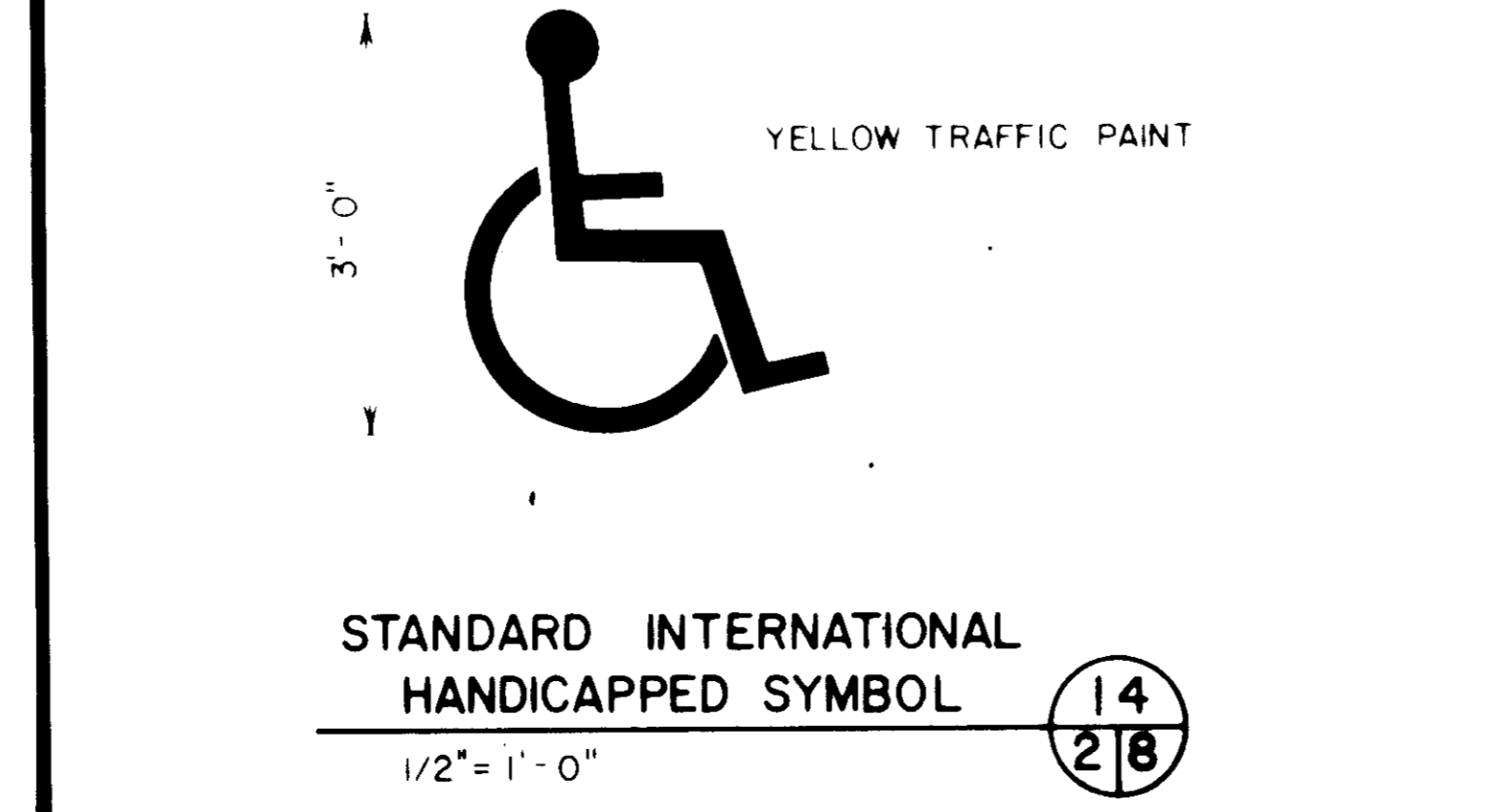


**TYPICAL ON/SITE PAVEMENT SECTION** 13  
SCALE: NONE 2/8

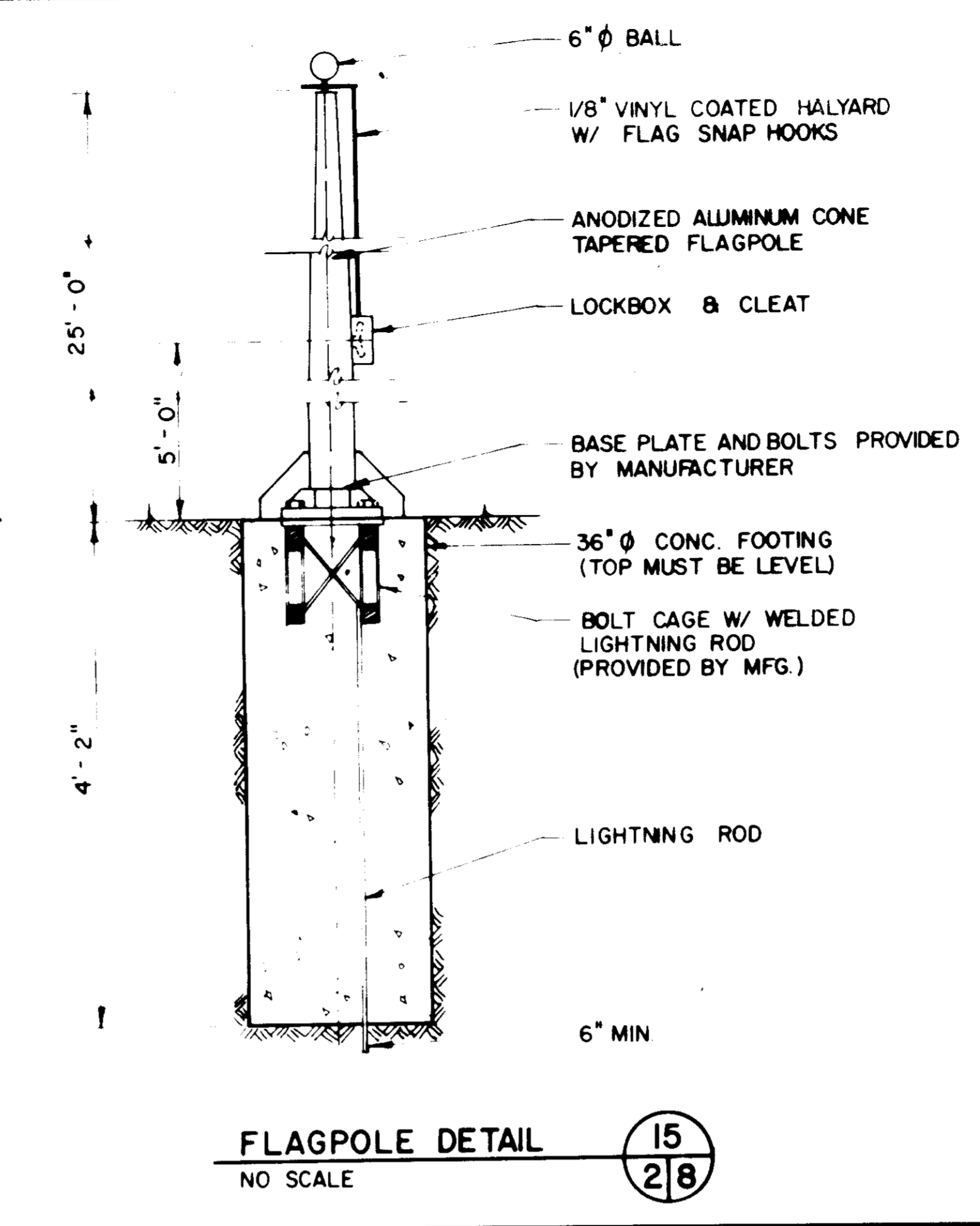
APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
Director: *Paul F. Nealey* 3-21-83  
Chief, Bureau of Engineering: *William S. Ray* 3-21-83

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
County Health Officer: *Joseph Boyles* 3-24-83

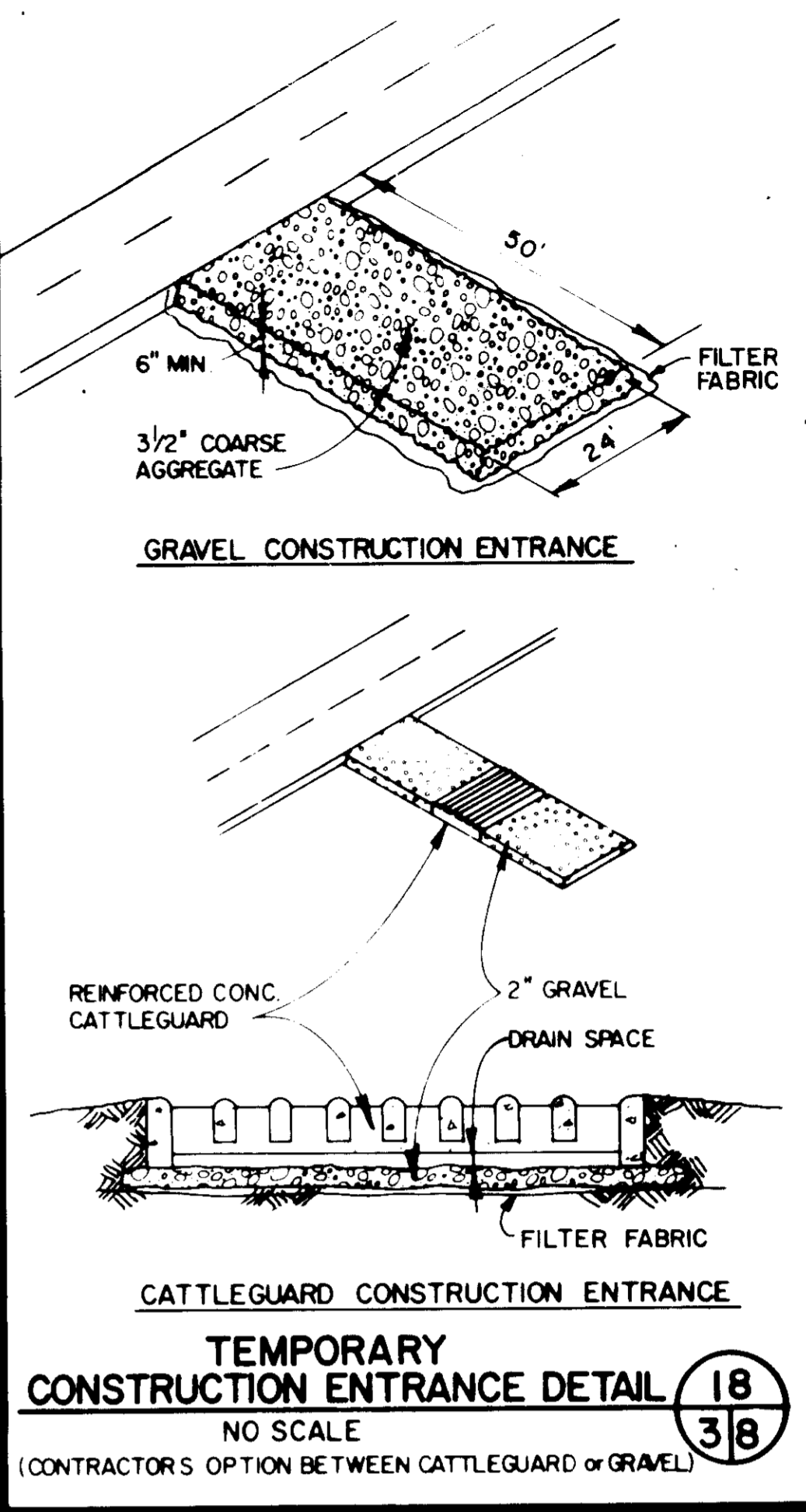
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
Planning Director: *Thomas J. Smith* 3-24-83  
Chief, Division of Land Development and Zoning Administration: *William M. ...* 3-24-83



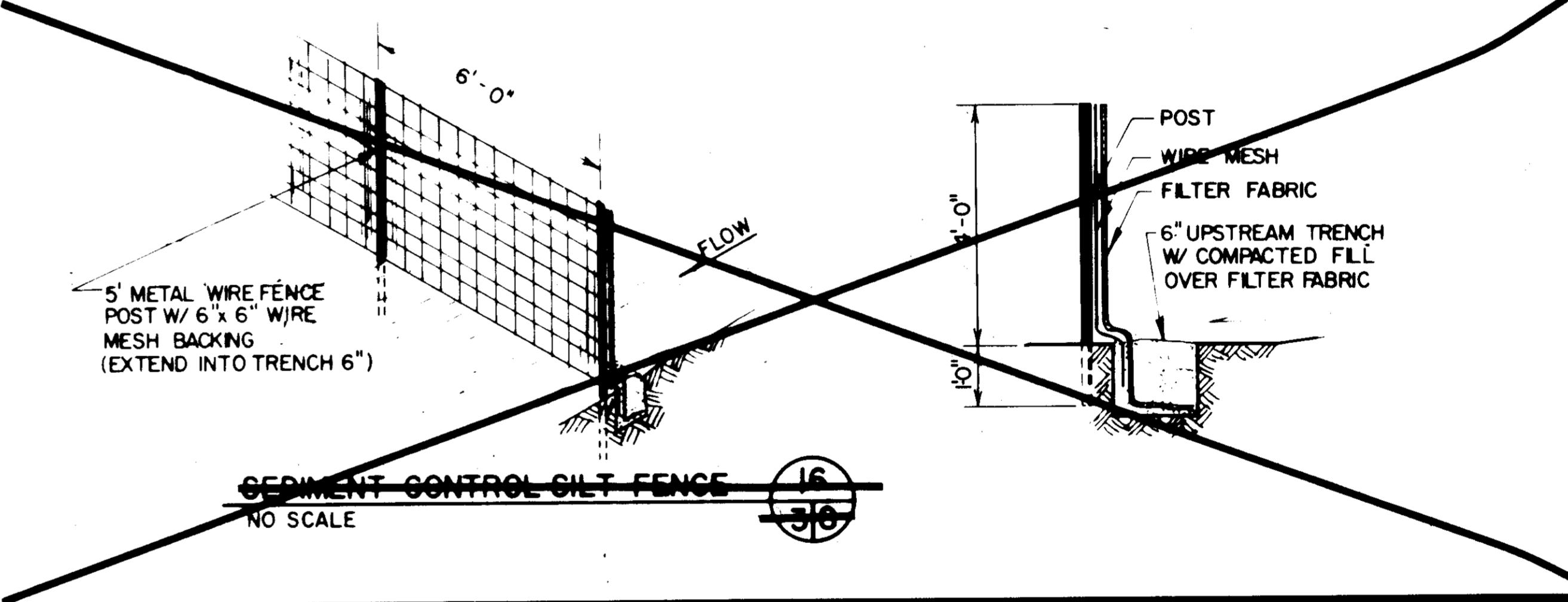
**STANDARD INTERNATIONAL HANDICAPPED SYMBOL** 14  
1/2" = 1'-0" 2/8



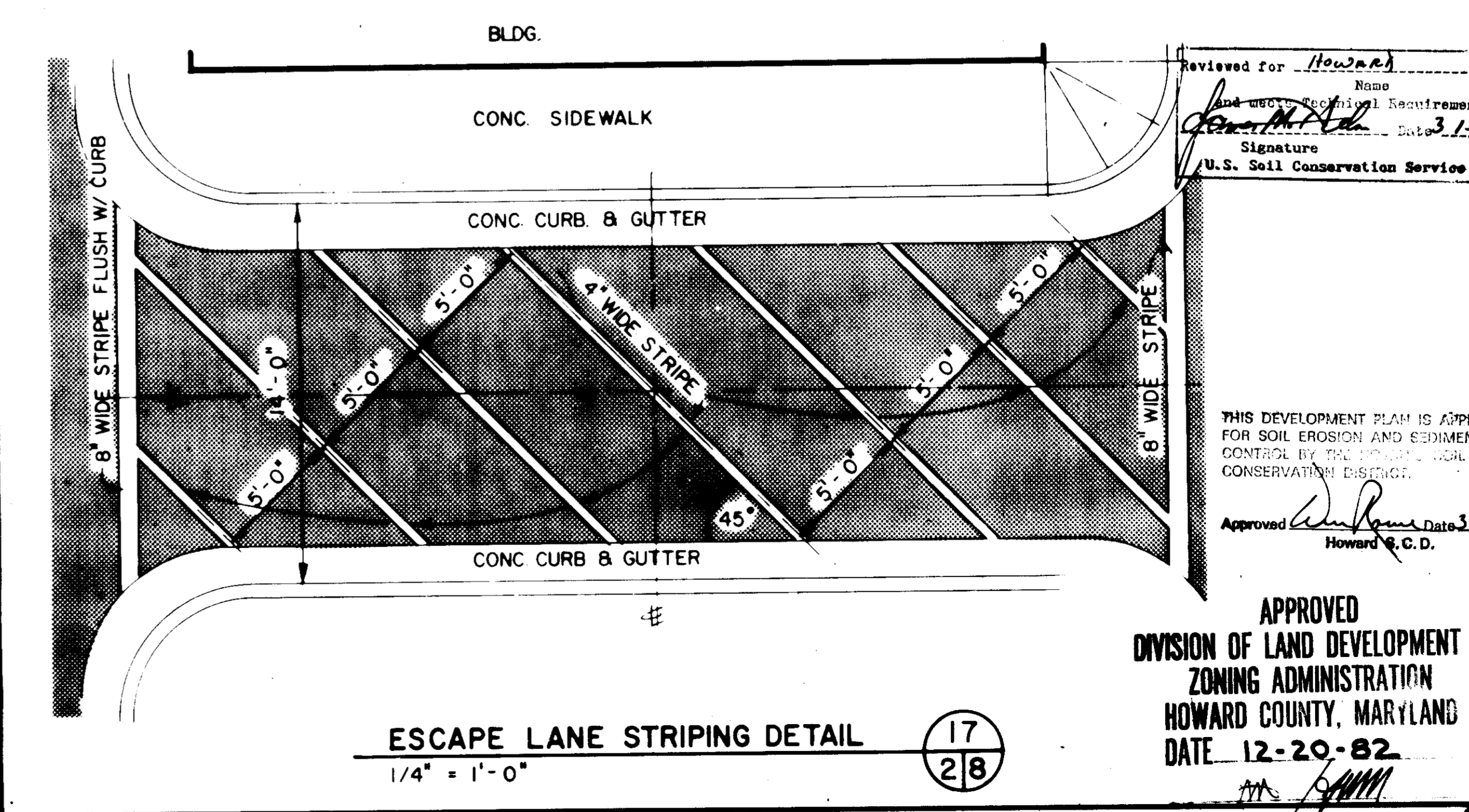
**FLAGPOLE DETAIL** 15  
NO SCALE 2/8



**TEMPORARY CONSTRUCTION ENTRANCE DETAIL** 18  
NO SCALE (CONTRACTOR'S OPTION BETWEEN CATTLEGUARD OR GRAVEL) 3/8



**SEDIMENT CONTROL SILT FENCE** 16  
NO SCALE 3/8



**ESCAPE LANE STRIPING DETAIL** 17  
1/4" = 1'-0" 2/8

Reviewed for: *Howard*  
Name: *Howard*  
Signature: *Howard*  
U.S. Soil Conservation Service  
Date: 3-15-83  
Approved: *Howard* Date: 3-15-83  
Howard, G.C.D.

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE: 12-20-82

**VEHICLE EMISSION INSPECTION PROGRAM**

STANDARD DETAILS

OWNER: SYSTEMS CONTROL, INC. 199 D OLD SOLOMON'S ISLAND ROAD ANNAPOLIS, MARYLAND 21401

6 LANE FACILITY SITE NO. 5  
**ELLICOTT CENTER**  
HOWARD COUNTY  
MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
STATE OF MARYLAND

JOB # VA-S19-100-00  
DESIGN JJC III  
DRAWN MGD, RL  
CHECKED GEH  
DATE JUNE, 1982  
SCALE AS NOTED  
SHEET 8 of 12

SUITE 302  
7700 LEESBURG PIKE  
FALLS CHURCH, VA 22043  
703/893-0711

**C-8**

Soils Engineering Corporation





APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *John F. Nunnally* 3-21-83  
 Chief, Bureau of Engineering: *Robert J. ...* 3-21-83  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: *James R. ...* 3-24-83  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 Planning Director: *Thomas J. ...* 3-24-83  
 Chief, Division of Land Development and Zoning Administration: *William ...* 3-24-83

AS REQ'D TURF  
 SOD TO MATCH SOD OF ADJOINING PROPERTIES

14 PICEA ABIES 'EXCELSA'  
 6' HT.

27 EUONYMUS SIEBOLDIANA  
 24' HT. @ 4'-0" O.C.

17 EUONYMUS SIEBOLDIANA  
 24' HT. @ 4'-0" O.C.

3 PICEA ABIES 'EXCELSA'  
 6' HT.

HYDROSPRAY SEED MIX  
 SEE NOTE 2

3 PICEA ABIES 'EXCELSA'  
 6' HT.

AS REQ'D JUNIPERUS HORIZONTALIS 'WILTONII'  
 15' SPREAD TRIANGULAR SPACING @ 2'-0" O.C.

MOUND, 3' HIGH

8 LIQUIDAMBAR STYRACIFLUA  
 9' HT.

21 EUONYMUS SIEBOLDIANA  
 24' HT. @ 4'-0" O.C.

63 EUONYMUS SIEBOLDIANA  
 24' HT. @ 4'-0" O.C.

RIDGE ROAD

HYDROSPRAY SEED MIX  
 SEE NOTE 2

2 LIQUIDAMBAR STYRACIFLUA  
 9' HT.

MOUND, 4' HIGH

8 PICEA ABIES 'EXCELSA'  
 6' HT.

AS REQ'D JUNIPERUS HORIZONTALIS 'WILTONII'  
 15' SPREAD TRIANGULAR SPACING @ 2'-0" O.C.

10 EUONYMUS SIEBOLDIANA  
 24' HT. @ 4'-0" O.C.

AS REQ'D JUNIPERUS HORIZONTALIS 'WILTONII'  
 15' SPREAD TRIANGULAR SPACING @ 2'-0" O.C.

3 BOULDERS  
 1-4" DIA.  
 1-2" DIA.  
 1-2 1/2" DIA.

ROCK, 4"-6" DIAMETER

1 ACER RUBRUM 'OCTOBER GLORY'  
 10' HT.

10 EUONYMUS SIEBOLDIANA  
 24' HT. @ 4'-0" O.C.

AS REQ'D JUNIPERUS HORIZONTALIS 'WILTONII'  
 15' SPREAD TRIANGULAR SPACING @ 2'-0" O.C.

MOUND, 4' HIGH

4 LIQUIDAMBAR STYRACIFLUA  
 9' HT.

3 PICEA ABIES 'EXCELSA'  
 6' HT.

AS REQ'D JUNIPERUS HORIZONTALIS 'WILTONII'  
 15' SPREAD TRIANGULAR SPACING @ 2'-0" O.C.

GRAVEL 1/2"-3/4" DIAMETER (TYPICAL)

RYERSON STEEL EDGING (TYPICAL)  
 REFER TO SPECIFICATIONS

6 LANE FACILITY

3' MOUND

ELLCOTT CENTER DRIVE

NOTES:  
 1. REFER TO SHEET L-2 FOR PLANTING DETAILS.  
 2. HYDROSPRAY MIX:  
 TALL PESCUE (CERTIFIED KENTUCKY 3),  
 9 POUNDS PER 1000 SQUARE FEET.  
 KENTUCKY BLUEGRASS (CERTIFIED KEN BLUE),  
 1 POUND PER 1000 SQUARE FEET.  
 SEE SPECIFICATIONS FOR APPLICATION PROCEDURES.

SCALE: 1" = 30'-0"

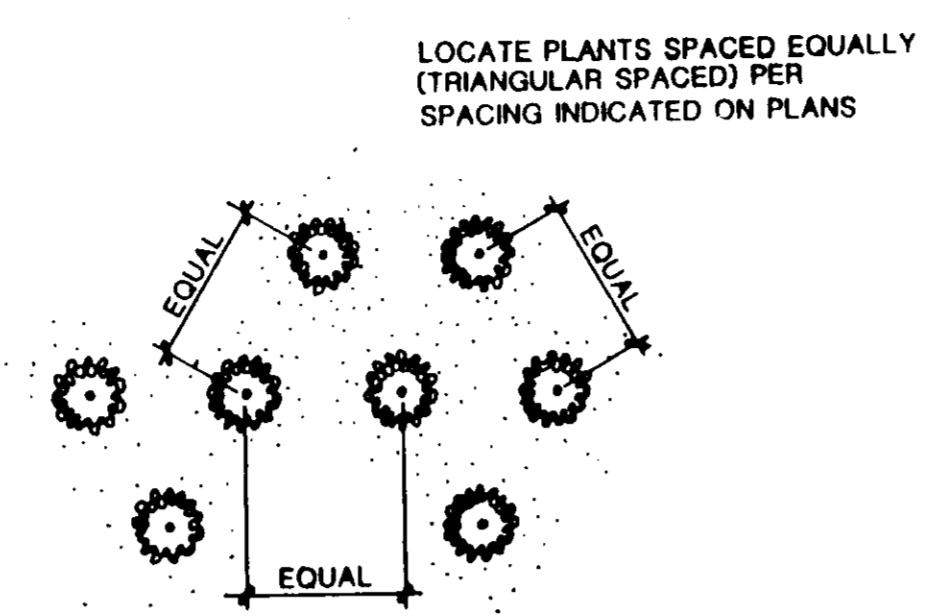
APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 12-20-82

LANDSCAPE PLANTING PLAN  
 ELLCOTT CENTER DRIVE, PAR. A-1  
 2.48 E.P. PB. 5271  
 6 LANE FACILITY - NO. 5  
 ELLCOTT CENTER DRIVE  
 HOWARD COUNTY  
 MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
 STATE OF MARYLAND  
 VEHICLE EMISSION INSPECTION PROGRAM

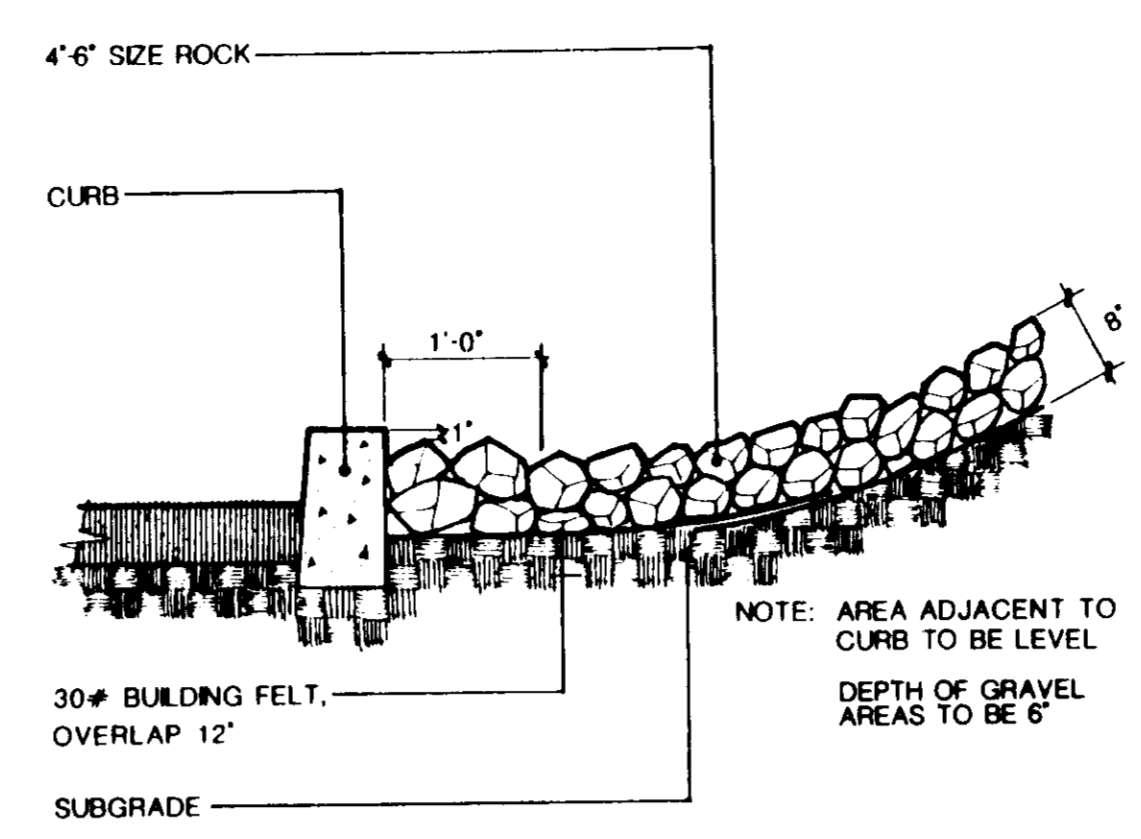
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 DESIGN: A.A.  
 DRAWN: JHC/ALG  
 CHECKED: JHC  
 DATE: 12/30/82  
 SCALE: 1" = 30'-0"  
 SHEET: 9 OF 12

SUITE 302  
 7700 LEESBURG PIKE  
 FALLS CHURCH, VA 22043  
 703/893-0711

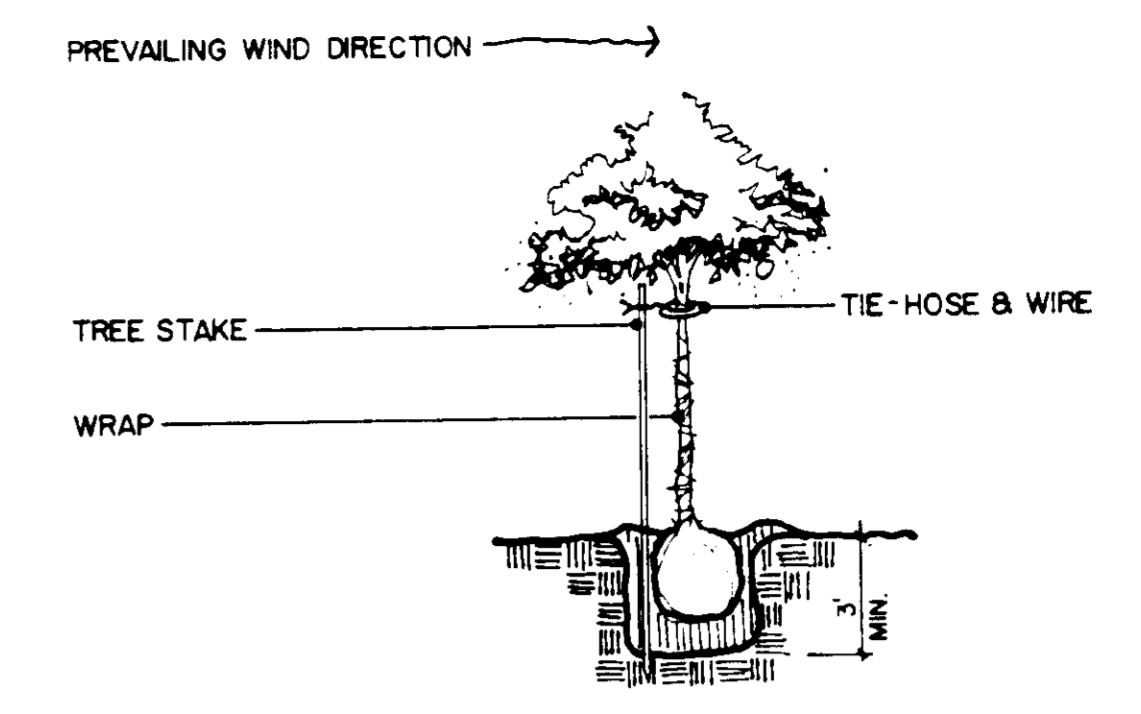
L-1  
 Boue  
 Engineering  
 Corporation



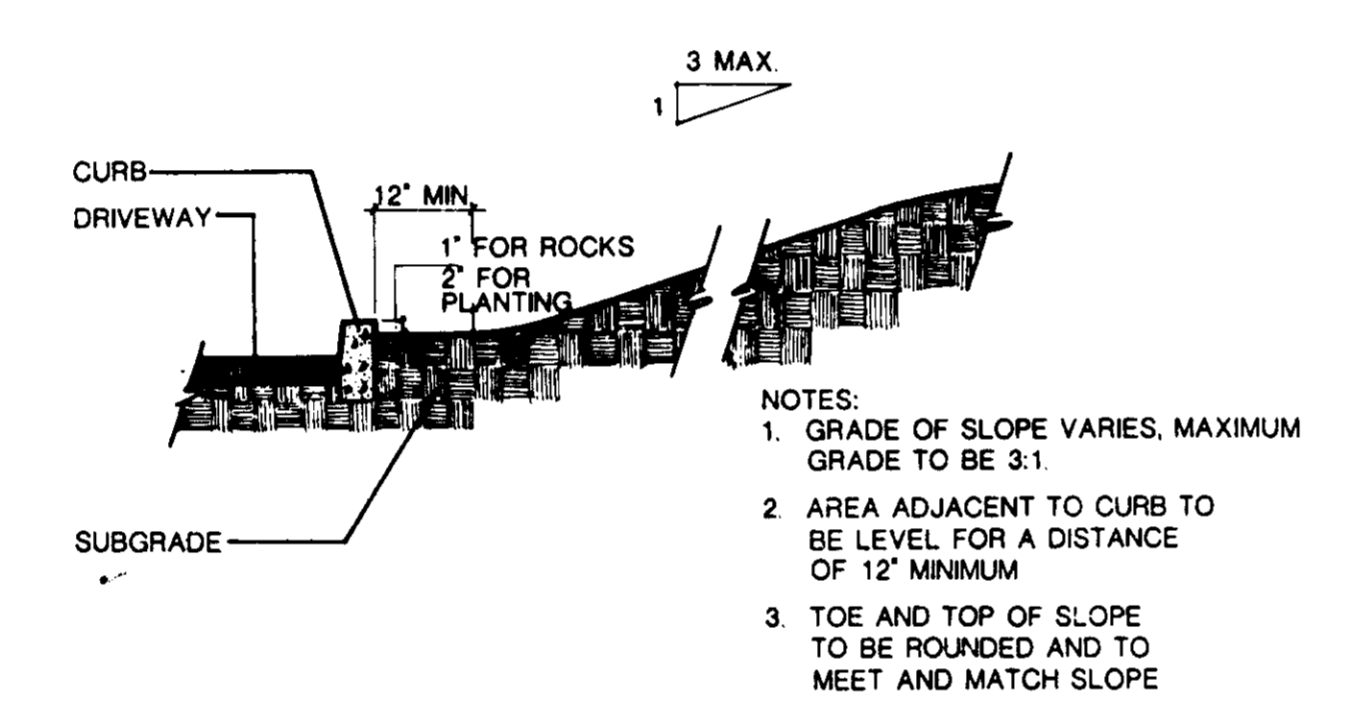
I. GROUND COVER LAYOUT N.T.S.



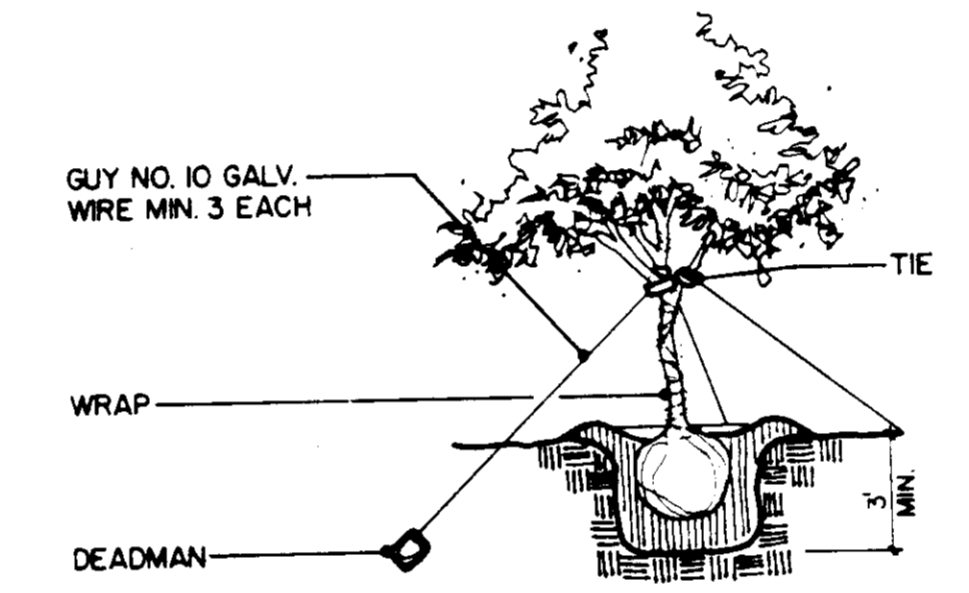
F. ROCKS AND CURB N.T.S.



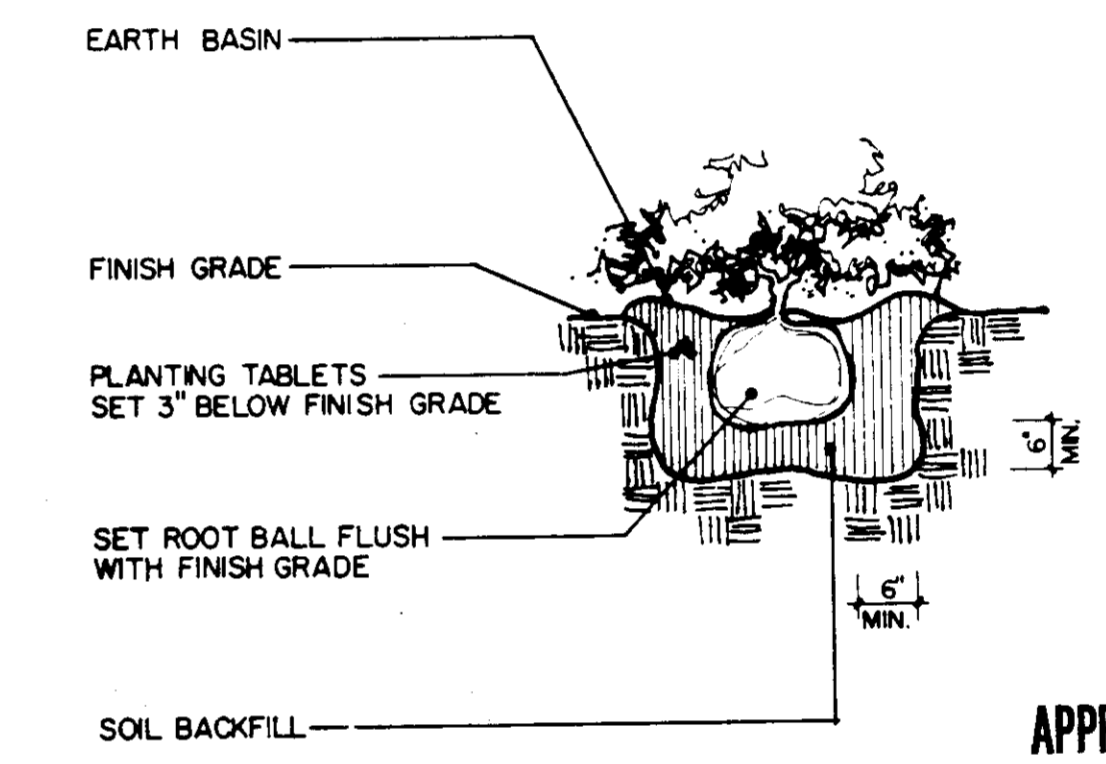
C. TREE PLANTING - SINGLE STAKE N.T.S.



H. TYPICAL MOUND CROSS SECTION N.T.S.



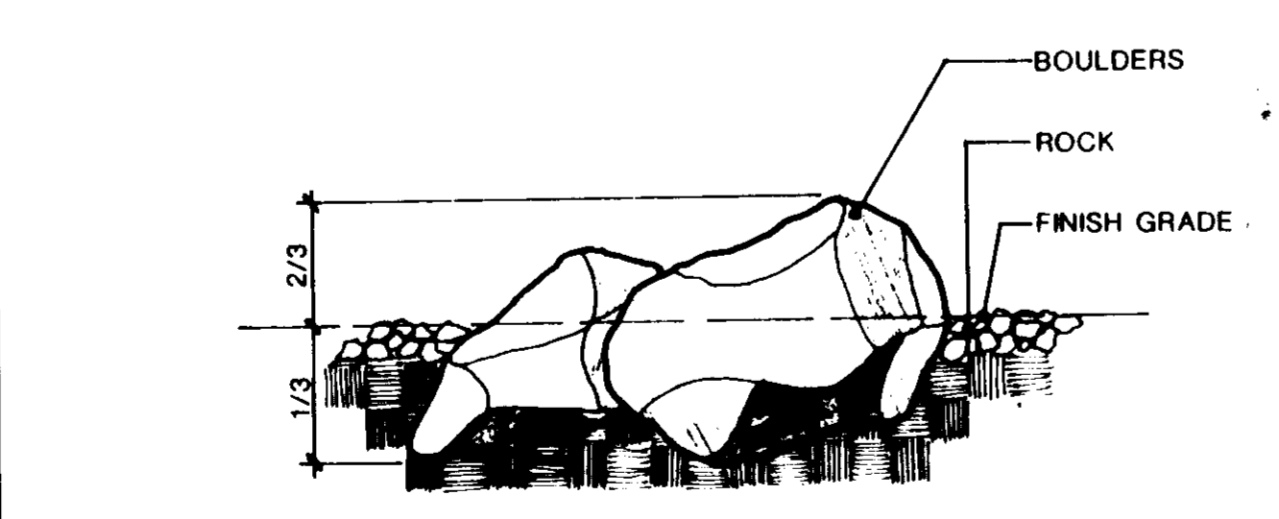
E. TREE PLANTING - GUYING N.T.S.



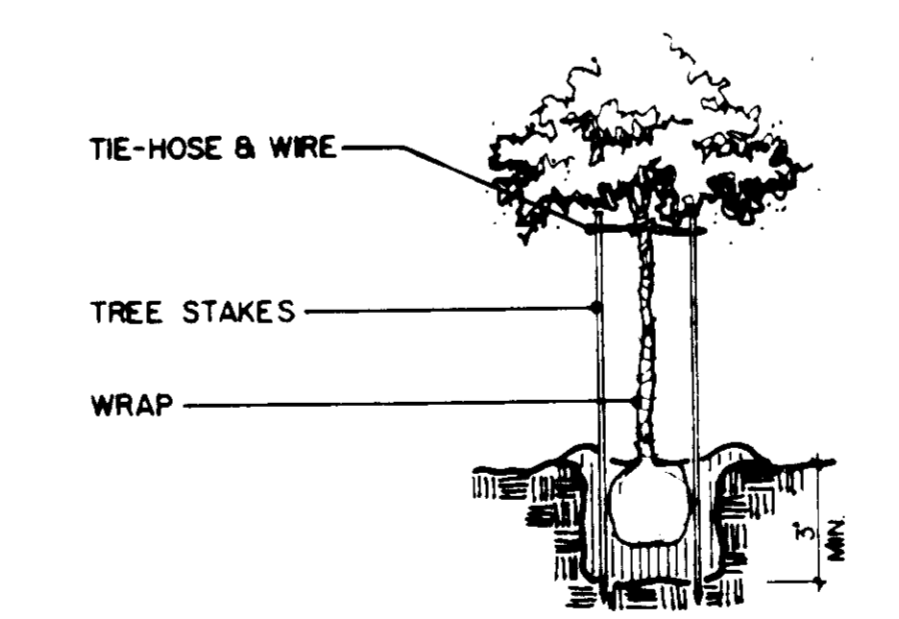
B. TYPICAL TREE AND SHRUB PLANTING N.T.S.

QUANTITY	SIZE	BOTANICAL NAME	COMMON NAME	REMARKS
1	10", 1-3/4" Caliper	Acer rubrum 'October Glory'	Red Maple	Detail C
14	9", 1-3/4" Caliper	Liquidambar styraciflua	American Sweet Gum	Detail C
31	6", 1-1/4" Caliper	Picea abies 'Excelsa'	Norway Spruce	Detail D
148	24" Height	Euonymus sieboldiana	Euonymus	Detail B
As required	15" Spread	Juniperus horizontalis 'Wiltonii'	Blue Carpet Juniper	Detail B, I
As required		To Match Existing Turf in Adjoining Areas		
As Required		Mix:	Application Rate:	See specifications for application procedures.
		Tall Fescue (Certified Kentucky 31)	9 lbs. per 1,000 sq. ft.	
		Kentucky Bluegrass (Certified Ken Blue)	1 lb. per 1,000 sq. ft.	

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: *John F. Nummy* 3-21-83  
 Chief, Bureau of Engineering: *William S. Day* 3-21-83  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: *John Egan* 3-24-83  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 Planning Director: *Thomas J. Hymish* 3-24-83  
 Chief, Division of Land Development and Zoning Administration: *William S. Day* 3-24-83



G. BOULDER N.T.S.



D. TREE PLANTING - DOUBLE STAKE N.T.S.

A. PLANT LIST

LANDSCAPE DETAILS  
 6 LANE FACILITY - NO. 5  
 ELLICOTT CENTER DRIVE  
 HOWARD COUNTY  
 MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
 STATE OF MARYLAND  
 VEHICLE EMISSION INSPECTION PROGRAM  
 ELLICOTT CENTER, SECT. 2, PAR. A-1  
 2.14 E.O. PB# 527J

JOB: AR-S19-100-01  
 DESIGN: A.A.  
 DRAWN: SF/JHC  
 CHECKED: JHC  
 DATE: 12/30/82  
 SCALE: N.T.S.  
 SHEET: 10 OF 12

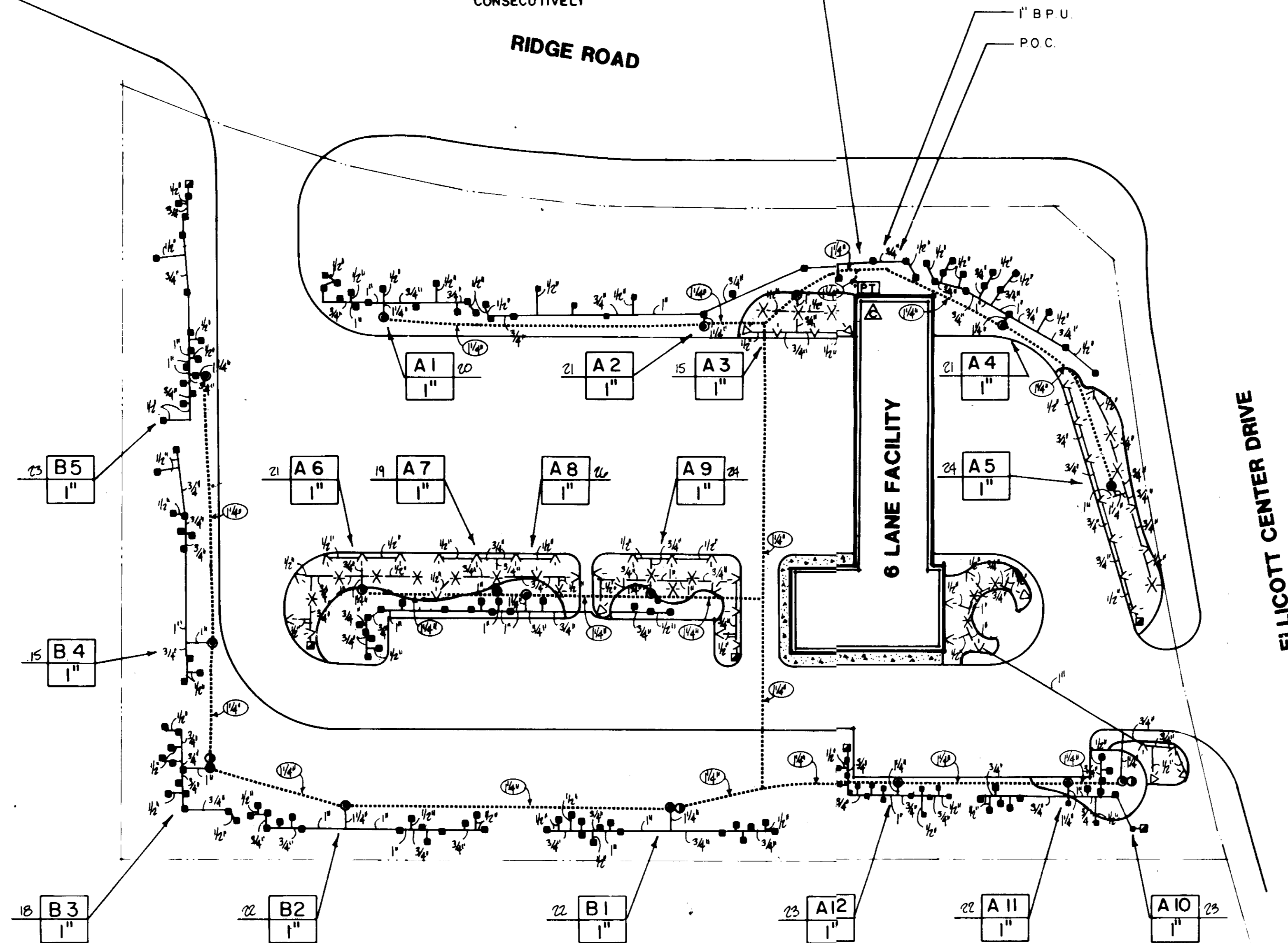
SUITE 302  
 7700 LEESBURG PIKE  
 FALLS CHURCH, VA 22043  
 703/893-0711

L-2  
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 Engineering  
 Corporation

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 Director: Wm. F. Neuman 3-21-83  
 Chief, Bureau of Engineering: [Signature] 3-21-83  
 APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 County Health Officer: [Signature] 3-24-83  
 APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
 Planning Director: [Signature] 3-24-83  
 Chief, Division of Land Development and Zoning Administration: [Signature] 3-24-83

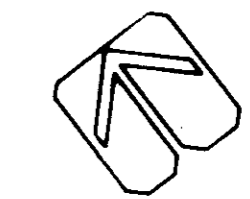
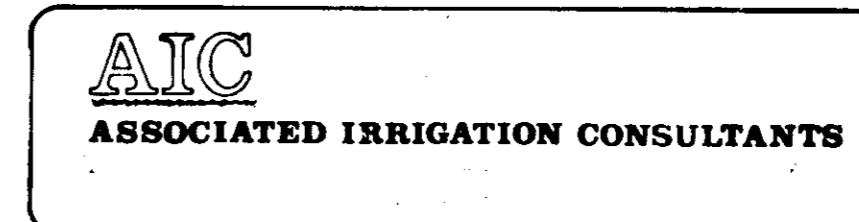


**AUTOMATIC CONTROLLER 'A' & 'B'  
 8 & 12 STATIONS**  
 INDEPENDENT 115V, 60 CYC. 2 AMP ELECTRIC  
 CIRCUIT TO BE PROVIDED BY CONTRACTOR  
 EXACT LOCATION TO BE DETERMINED IN THE FIELD  
 CLOCKS SHALL BE PROGRAMMED TO OPERATE  
 CONSECUTIVELY



IRRIGATION SYSTEM DESIGNED FOR  
 MINIMUM OPERATING PRESSURE  
 OF 60 PSI AT 24 GPM

NOTE:  
 THE IRRIGATION SYSTEM SHOWN ON THESE  
 PLANS WILL BE INSTALLED ONLY UPON  
 SPECIFIC ORDER OF SYSTEMS CONTROL, INC.  
 IT IS INCLUDED ON THE PLANS AS A  
 CONTINGENCY, AND IT'S INCLUSION DOES NOT  
 IMPLY AN OBLIGATION TO INSTALL.



SCALE: 1" = 30'-0"

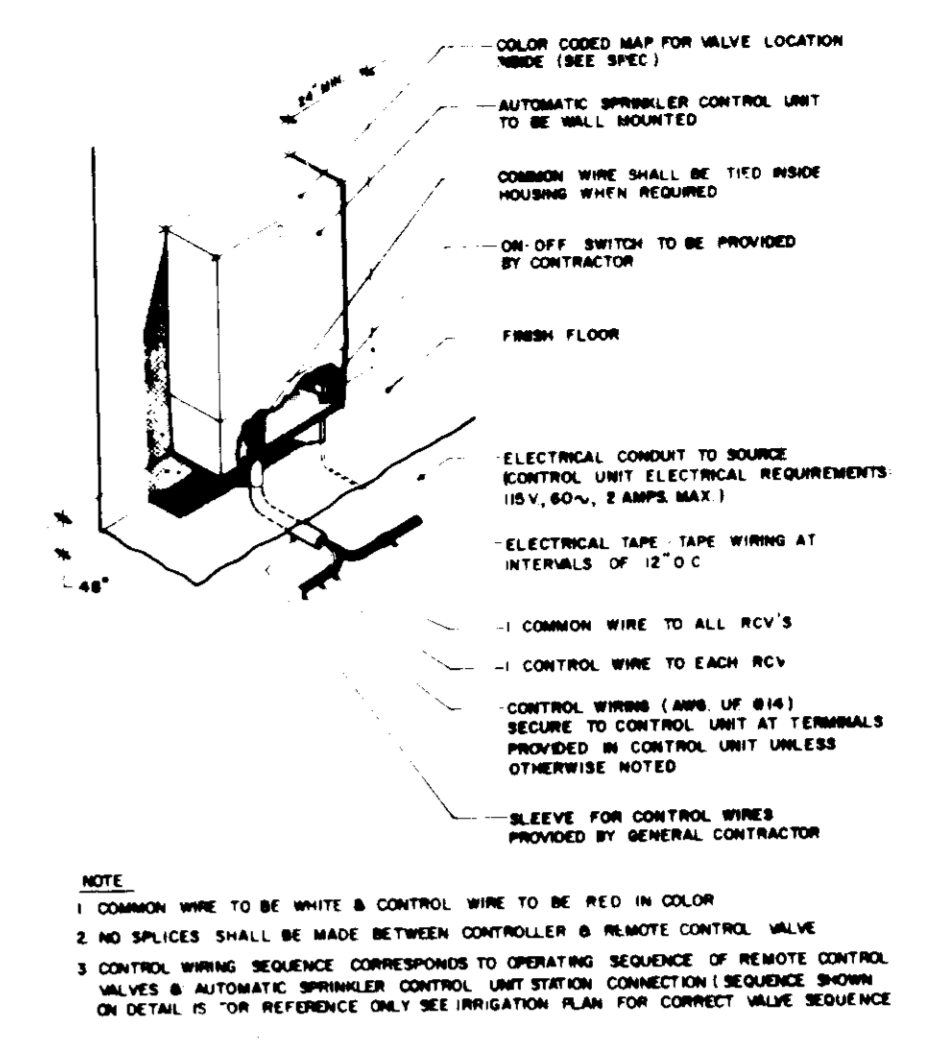
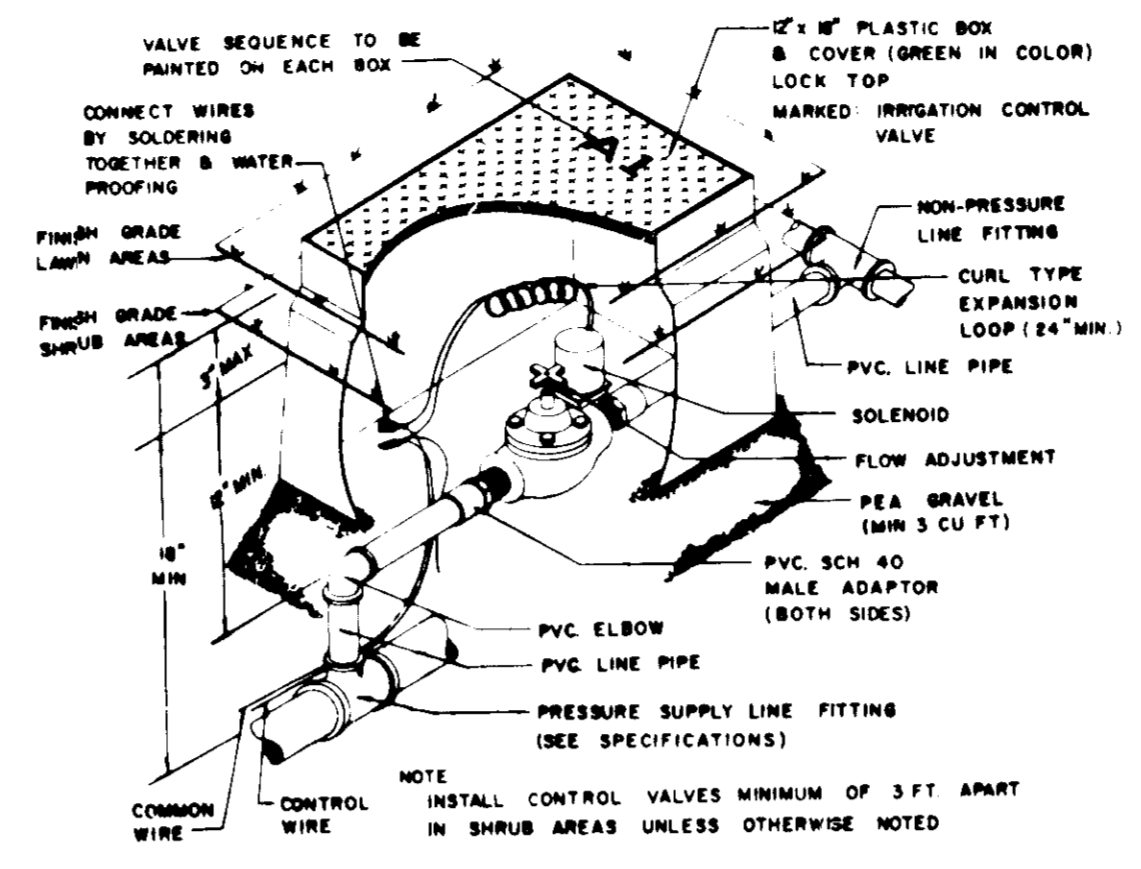
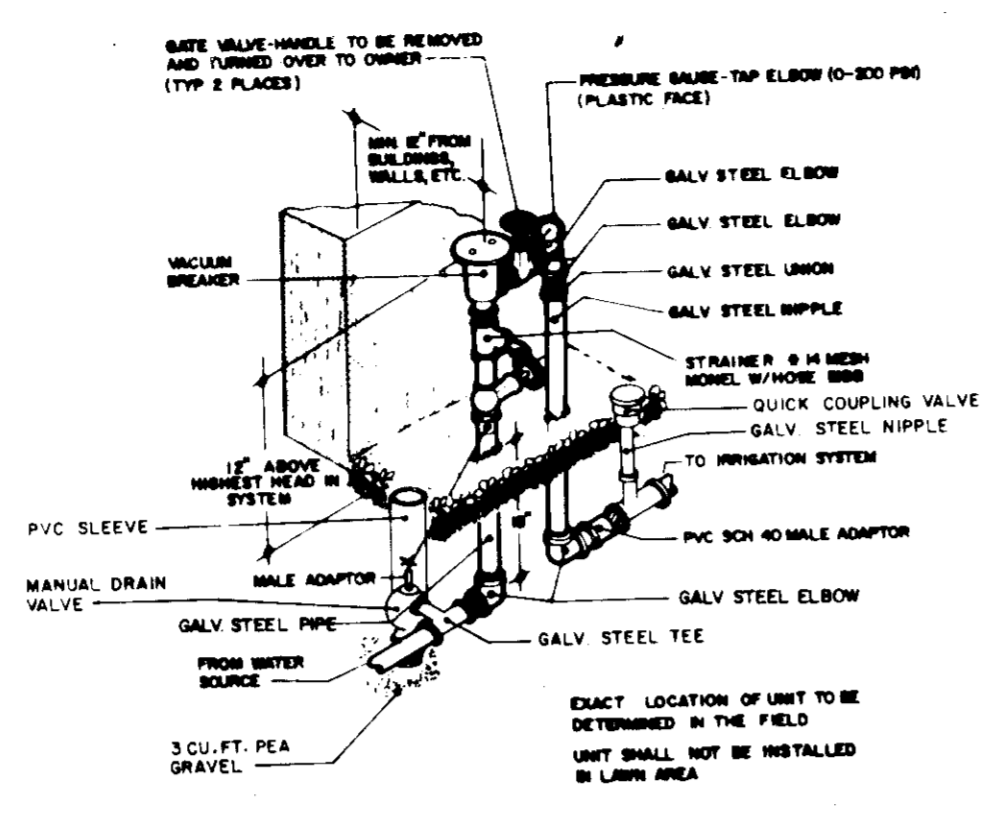
APPROVED  
 DIVISION OF LAND DEVELOPMENT &  
 ZONING ADMINISTRATION  
 HOWARD COUNTY, MARYLAND  
 DATE 12-20-82  
[Signature]

IRRIGATION PLAN  
 6 LANE FACILITY - NO. 5  
 ELLICOTT CENTER DRIVE  
 HOWARD COUNTY  
 MOTOR VEHICLE ADMINISTRATION OF THE DEPARTMENT OF TRANSPORTATION  
 STATE OF MARYLAND  
 VEHICLE EMISSION INSPECTION PROGRAM  
 ELLICOTT CENTER, SECT. 3, PAR. A1  
 2ND E.D., P.B.# 5271

JOB	AR-S19-100-01
DESIGN	AK
DRAWN	AIC
CHECKED	AA
DATE	12/30/82
SCALE	1" = 30'-0"
SHEET	11 OF 12

SUITE 302  
 7700 LEESBURG PIKE  
 FALLS CHURCH, VA 22043  
 703/893-0711

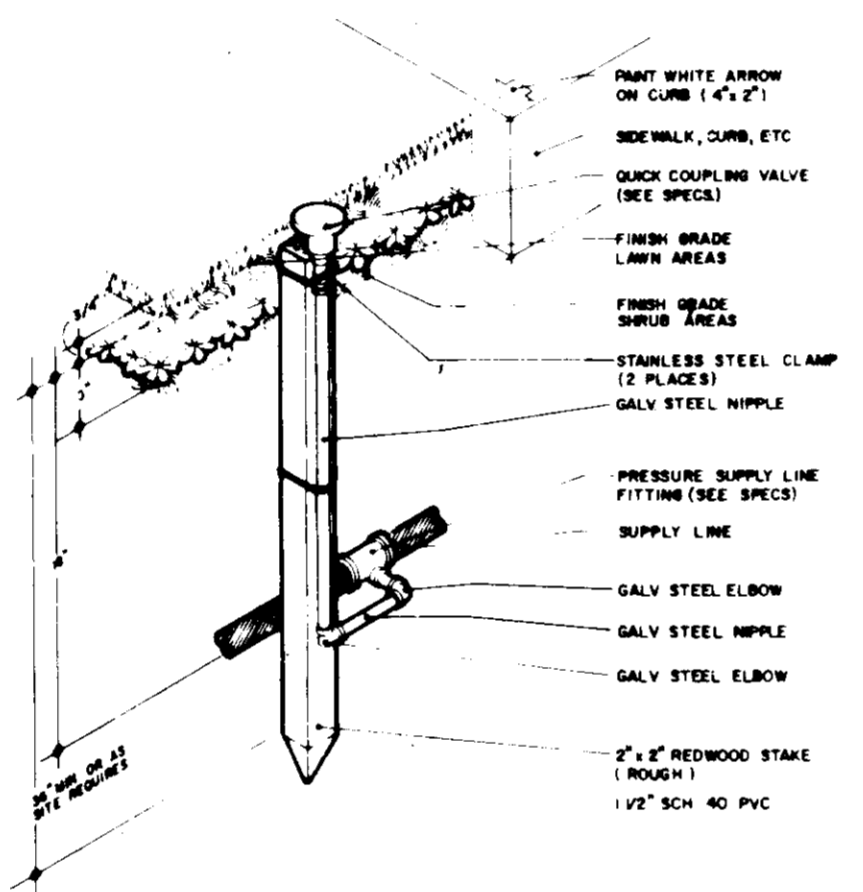
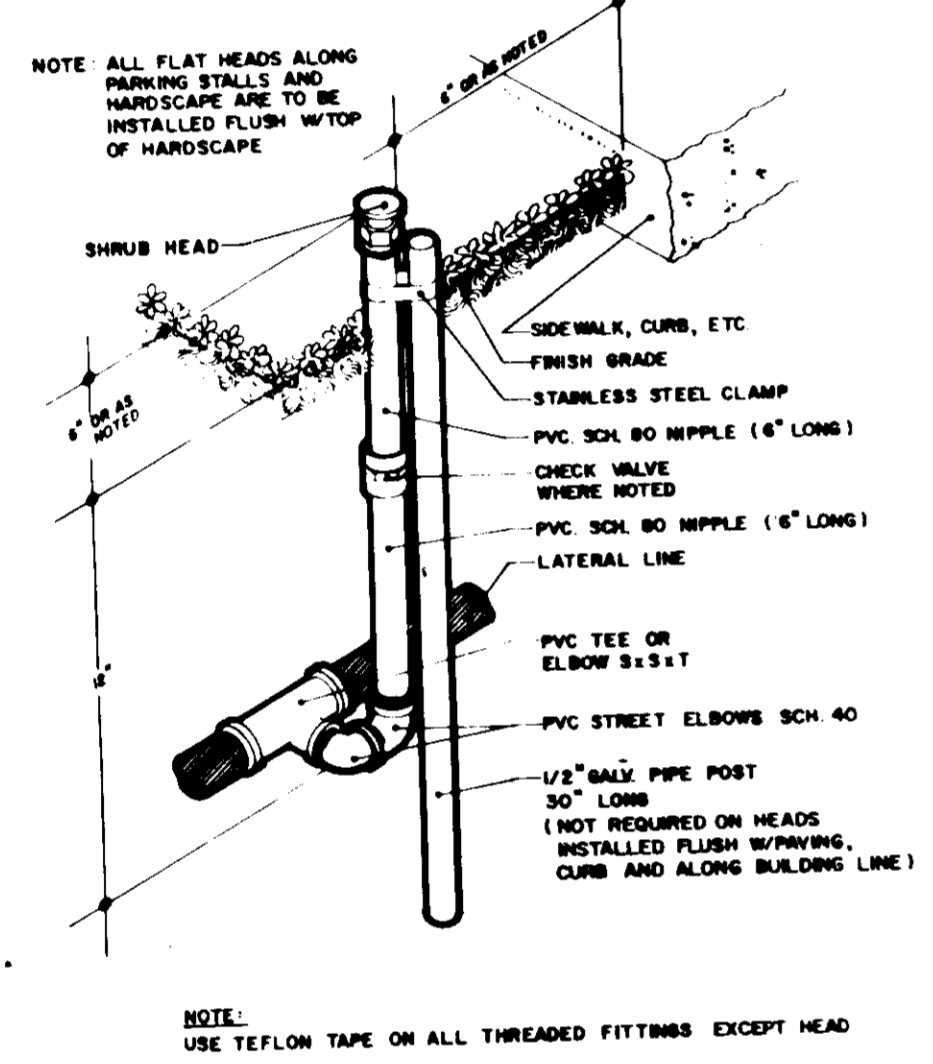
**L-3**  
 Bouie  
 Engineering  
 Corporation



D. BACKFLOW PREVENTION UNIT

C. REMOTE CONTROL VALVE

B. AUTOMATIC CONTROLLER

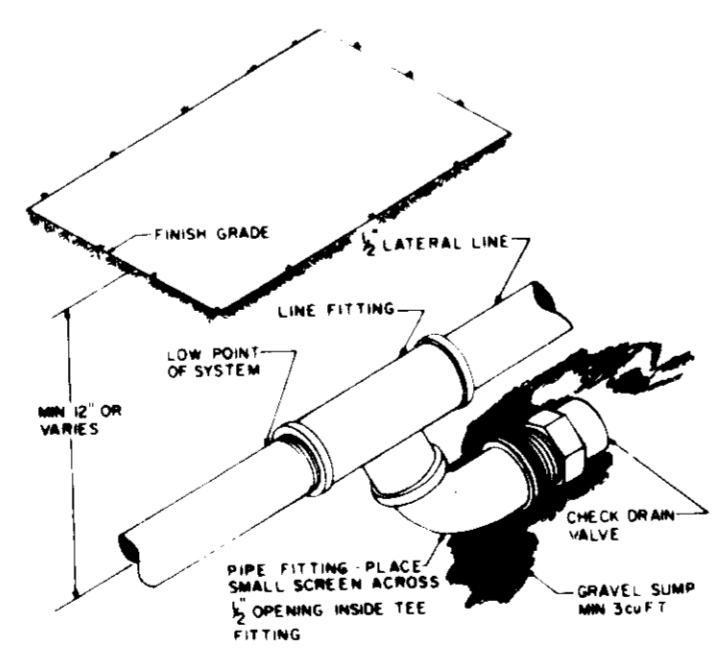
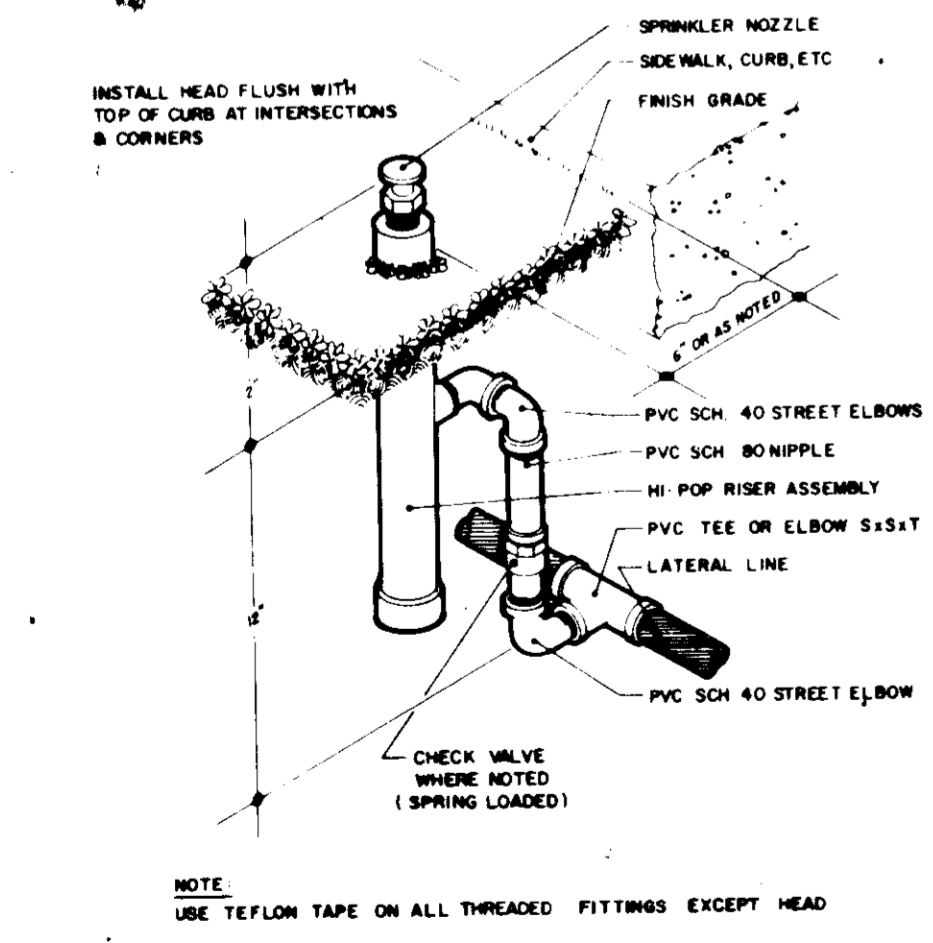


H. BUBBLER SHRUB HEAD

E. QUICK COUPLING VALVE

SYMBOLS	DESCRIPTION	MANUFACTURER & PART NO.	REFERENCE
POC	POINT OF CONNECTION		
PC	PRESSURE SUPPLY LINES & SIZE	SCHEDULE 40 PVC	SPECIFICATION
NC	NON-PRESSURE LINES & SIZE	CLASS 200 PVC	SPECIFICATION
A1	CONTROLLER SEQUENCE GALLONS PER MINUTE		
	REMOTE CONTROL VALVE SIZE		
AC	AUTOMATIC CONTROLLER	RAIN-BIRD NO.	DETAIL NO. B
RCV	REMOTE CONTROL VALVES	RAIN-BIRD NO. EFA-OP SERIES	DETAIL NO. C
BPV	BACKFLOW PREVENTION UNIT	S.M.R.	DETAIL NO. D
QCV	QUICK COUPLING VALVES	RAIN-BIRD NO. 33 D-LVC	DETAIL NO. E
ADV	AUTOMATIC DRAIN VALVES	RAIN-BIRD NO. 16 A-P	DETAIL NO. F

APPROVED  
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION  
HOWARD COUNTY, MARYLAND  
DATE 12-20-82



G. HIGH-POP SHRUB HEAD

F. AUTOMATIC DRAIN VALVE

A. LEGEND

SYMBOLS	DESCRIPTION	MANUFACTURER & PART NO.	G.P.M.	P.S.I.	R.A.D.	REFERENCE
■	FLOOD IRRIGATORS	RAIN-BIRD NO. 1300 A-F	1.4	20	—	DETAIL NO. H
∇ ∇ X	1/4, 1/2, & FULL CIRCLE SHRUB HEADS	RAIN-BIRD NO. 1806 P-186 SERIES	35 70 1.4	15	9	DETAIL NO. G
∇ ∇ X	1/4, 1/2, & FULL CIRCLE SHRUB HEADS	RAIN-BIRD NO. 1806 P-185 SERIES	80 1.6 3.2	20	12.5	DETAIL NO. G

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

*Walter F. Neuman* 3-21-83  
DIRECTOR DATE

*Walter F. Neuman* 3-21-83  
CHIEF, BUREAU OF ENGINEERING DATE

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

*Walter F. Neuman* 3-21-83  
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING  
*Walter F. Neuman* 3-21-83  
PLANNING DIRECTOR DATE

*Walter F. Neuman* 3-21-83  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

IRRIGATION DETAILS  
6 LANE FACILITY - NO. 5  
ELLCOTT CENTER DRIVE  
HOWARD COUNTY  
STATE OF MARYLAND  
VEHICLE EMISSION INSPECTION PROGRAM

ELLCOTT CENTER, SECT. 2, PAR. A-1  
2.51 (E.D. P.B.# 527)

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

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DIRECTOR DATE

*Walter F. Neuman* 3-21-83  
CHIEF, BUREAU OF ENGINEERING DATE

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*Walter F. Neuman* 3-21-83  
PLANNING DIRECTOR DATE

*Walter F. Neuman* 3-21-83  
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

JOB #AR-S19-100-01  
DESIGN AIC  
DRAWN AIC  
CHECKED JHC  
DATE 12/30/82  
SCALE 1" = 30'-0"  
SHEET 12 OF 12

SUITE 302  
7700 LEESBURG PIKE  
FALLS CHURCH, VA 22043  
703/893-0711

L-4  
Boyle Engineering Corporation  
SDP-83-09