

HOMEOWNERS RECYCLING CENTER

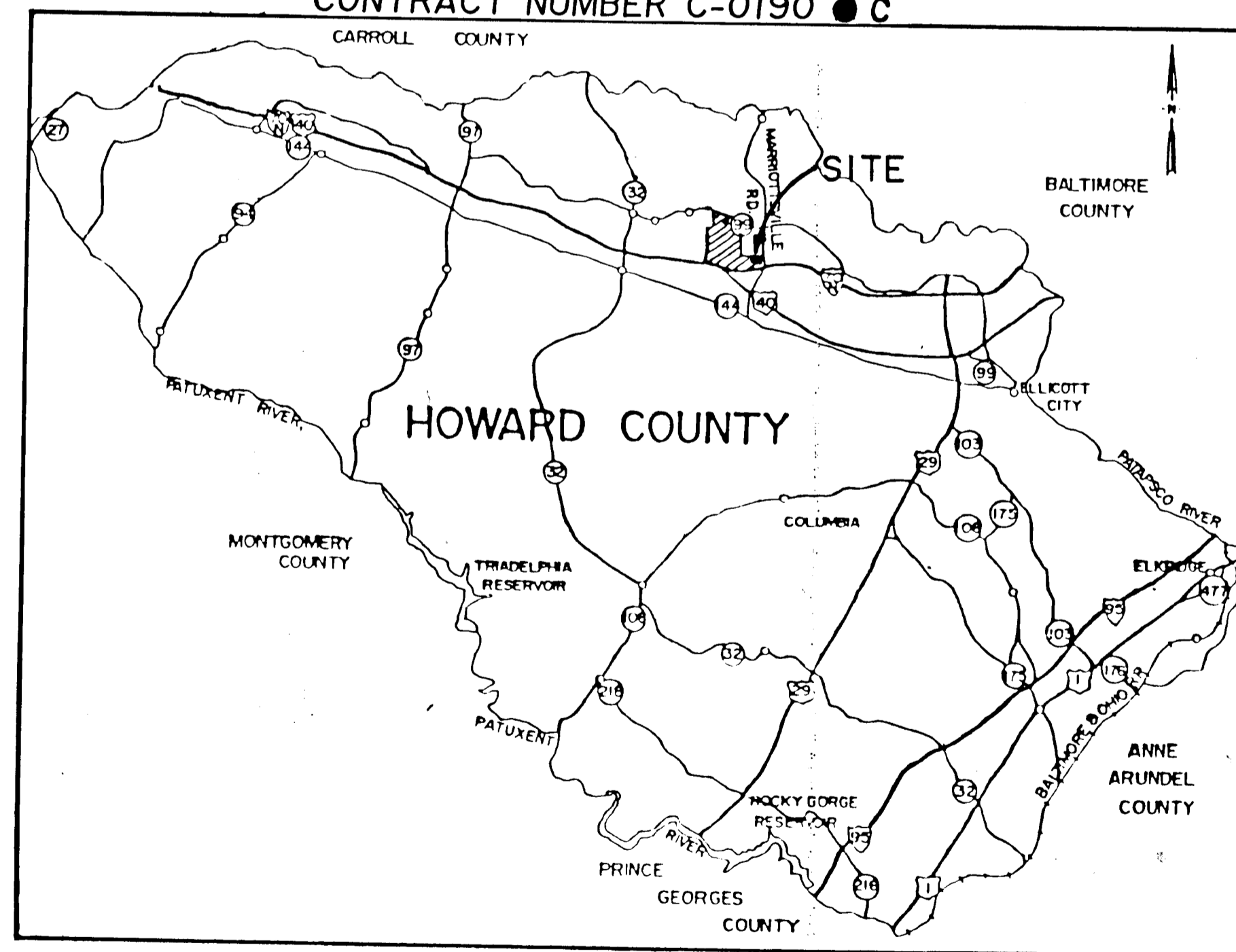
ALPHA RIDGE SOLID WASTE

MANAGEMENT CENTER

HOWARD COUNTY, MARYLAND

CAPITAL PROJECT NUMBER C-0190

CONTRACT NUMBER C-0190 ● C



VICINITY MAP

SCALE: 1 INCH = 3 MILES

SUBDIVISION NAME Alpha Ridge Solid Waste Management Center		SECT./AREA/LOT/PARCEL 302
LIBER/FOLIO/BLOCK 856-330	ZONE R	TAX/ZONE MAP 18
WATER CODE Private, Existing		ELEC. DIST. 3
SEWER CODE Private, Existing		CENSUS TR. 6030
OWNER/DEVELOPER Howard County Government		
ADDRESS 3430 Court House Drive, Ellicott City, MD 21043		



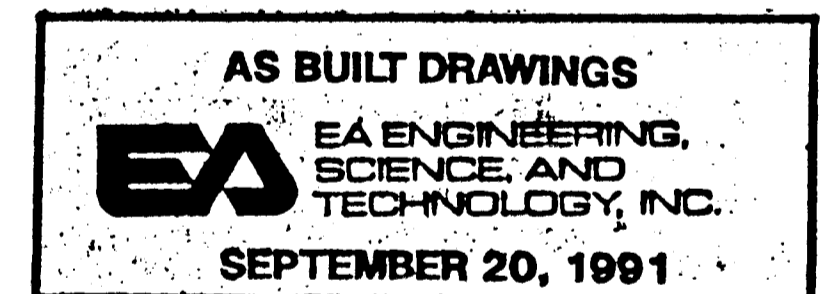
SITE ANALYSIS

a:Area of Submittal: 372,684 SF = 8.56 Ac.
 b:Present Zoning: R
 c:Proposed use of structures: Homeowner Drop-off Recycling Center
 d:Floor space: Guard Booth 32 SF = 0.0007 Ac.
 Metal Roof Shelter 122,497 SF = 2.81 Ac. **ADD 2 METAL ROOF SHELTERS (1,137 S.F.)**

e:Total number of units allowed: N/A
 f:Total number of units provided: Zero
 g:Apartment and SFA unit area: Zero
 h:Maximum number of employees on site: 2
 i:Required parking spaces: N/A
 j:Parking spaces provided: Existing parking - 12, Additional spaces-21
 k:Open space to remain: 249,817 SF = 5.73 Ac. = 67.0% of submittal
 l:Building coverage of site: 370 SF = 0.0007 Ac. = 0.01% of submittal
 m:Vegetatively Stabilized Area = 5.73 Ac.
 n:Volume Cut = 20,432 cy
 o:Volume Fill = 3,319 cy

Notes:
 1)Orthophotography as developed by Buchart-Horn, Inc. York, PA from aerial flight of 2/12/82.
 2)Horizontal datum based on Maryland coordinate grid system.
 3)Vertical datum based on USC & GS M.S.L. of 1929.
 4)The property hereon is described by metes & bounds on property plat, 3rd Election District recorded in SDP-79-85, dated March 1979, & approved Division of Land Development 5-17-79.

ADD REDLINE SDP 90-97 (MAY 8, '98)



APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT

Joyce M. Boyd 8-23-90
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *Joseph B. Keith* 8/28/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

Joseph B. Keith 8/2/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND ROADS.
 HOWARD COUNTY DEPT. OF PUBLIC WORKS

James A. ... 8/23/90
 DIRECTOR DATE

James A. ... 8-23-90
 CHIEF, BUREAU OF ENGINEERING DATE

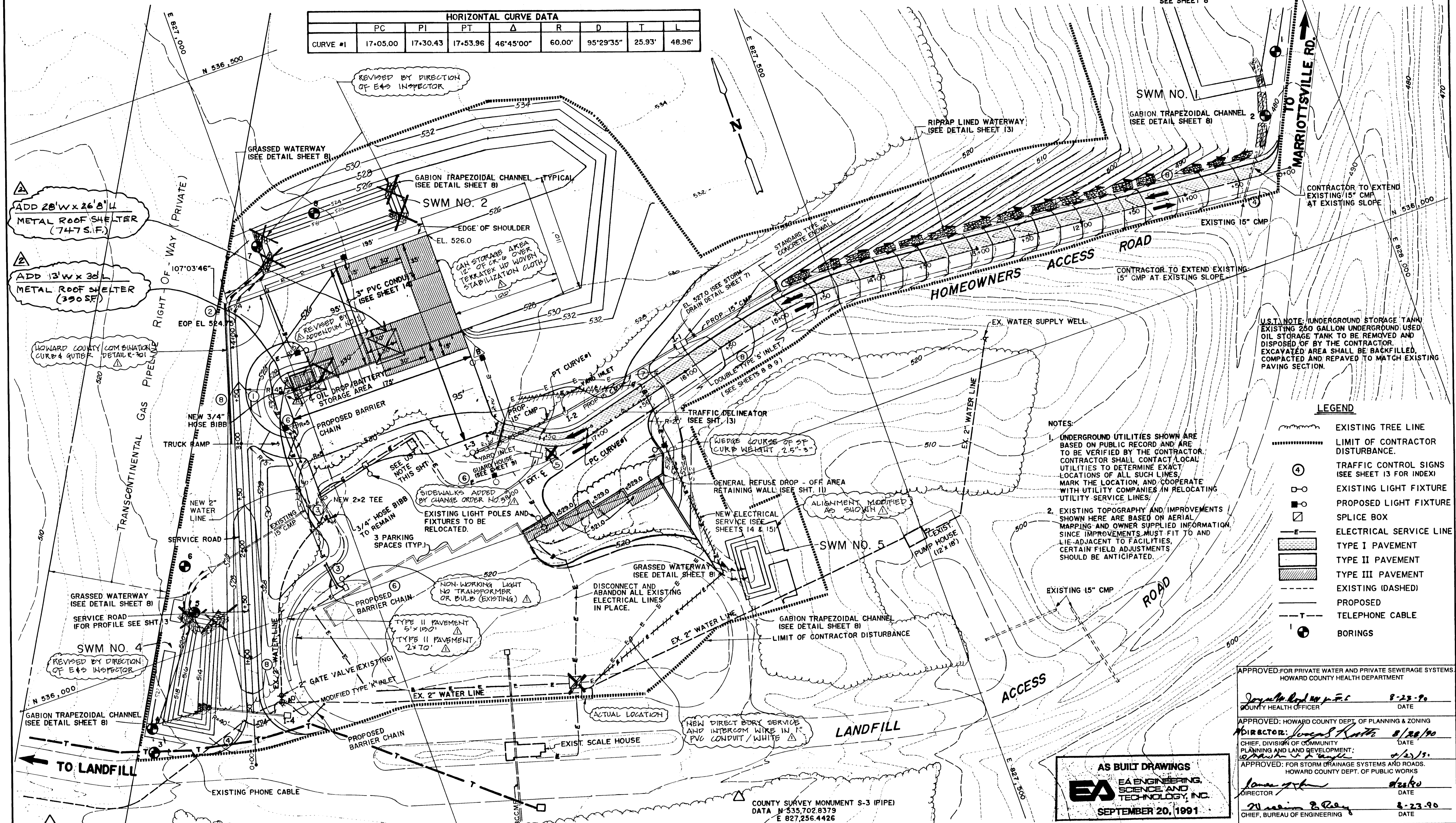
		ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER HOWARD COUNTY, MARYLAND HOMEOWNERS RECYCLING CENTER	
		TITLE SHEET	
DESIGN D. T. M.		DATE 24 JULY 1990	15 Loveton Circle Sparks, Maryland 21152 (301) 771-4950
DRAWN D. T. M.		SCALE AS SHOWN	
CHECKED P. A. P.		PROJECT NO. 10293.02	
PROJECT ENGINEER D. S. S.		SHEET NO. 1 OF 15	

SHEET NO.	TITLE
1	TITLE SHEET
2	SITE PLAN
3	ROAD PROFILES/PAVING SECTIONS
4	ROADWAY SECTIONS
5	USED OIL STORAGE TANK/DETAILS
6	EROSION AND SEDIMENT CONTROL PLAN
7	EROSION AND SEDIMENT CONTROL DETAILS/STORM DRAIN PROFILES
8	DETENTION POND PLAN/DETAILS
8A	DETENTION POND DETAILS/SECTIONS/PROFILES
9	MISCELLANEOUS DETAILS
10	RECYCLING AREA RETAINING WALL
11	GENERAL REFUSE DROP-OFF AREA RETAINING WALL EXPANSION
12	METAL ROOF STRUCTURE
13	SIGN/SITE DETAILS
14	ELECTRICAL SITE PLAN
15	ELECTRICAL SCHEDULES

880

FOR CONTINUATION & DETAILS
SEE SHEET 8

HORIZONTAL CURVE DATA								
CURVE #1	PC	PI	PT	Δ	R	D	T	L
	17+05.00	17+30.43	17+53.96	46°45'00"	60.00'	95°29'35"	25.93'	48.96'



U.S.I. NOTE: UNDERGROUND STORAGE TANK EXISTING 250 GALLON UNDERGROUND USED OIL STORAGE TANK TO BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. EXCAVATED AREA SHALL BE BACKFILLED, COMPACTED AND REPAVED TO MATCH EXISTING PAVING SECTION.

LEGEND

- EXISTING TREE LINE
- LIMIT OF CONTRACTOR DISTURBANCE
- ④ TRAFFIC CONTROL SIGNS (SEE SHEET 13 FOR INDEX)
- EXISTING LIGHT FIXTURE
- PROPOSED LIGHT FIXTURE
- SPLICE BOX
- E— ELECTRICAL SERVICE LINE
- ▨ TYPE I PAVEMENT
- ▩ TYPE II PAVEMENT
- ▧ TYPE III PAVEMENT
- - - - - EXISTING (DASHED)
- — — — — PROPOSED
- T — TELEPHONE CABLE
- ⊕ BORINGS

NOTES:

- UNDERGROUND UTILITIES SHOWN ARE BASED ON PUBLIC RECORD AND ARE TO BE VERIFIED BY THE CONTRACTOR. CONTRACTOR SHALL CONTACT LOCAL UTILITIES TO DETERMINE EXACT LOCATIONS OF ALL SUCH LINES. MARK THE LOCATION, AND COOPERATE WITH UTILITY COMPANIES IN RELOCATING UTILITY SERVICE LINES.
- EXISTING TOPOGRAPHY AND IMPROVEMENTS SHOWN HERE ARE BASED ON AERIAL MAPPING AND OWNER SUPPLIED INFORMATION. SINCE IMPROVEMENTS MUST FIT TO AND LIE ADJACENT TO FACILITIES, CERTAIN FIELD ADJUSTMENTS SHOULD BE ANTICIPATED.

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT

Joyce A. Boyd, M.P.H. 8-23-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Director: Susan R. Keith 8/28/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT; DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND ROADS,
HOWARD COUNTY DEPT. OF PUBLIC WORKS

James G. ... 8/28/90
DIRECTOR DATE

William B. ... 8-23-90
CHIEF, BUREAU OF ENGINEERING DATE

AS BUILT DRAWINGS

EA EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
SEPTEMBER 20, 1991

COORDINATES OF SELECTED POINTS

△ E.O.P.	N 536,195	E 826,985
△ E.O.P.	N 536,195	E 827,160
STA. 0+00	N 535,880	E 826,844
STA. 4+24	N 536,285.34	E 826,968.41

STATION OFFSETS FOR DRAINAGE STRUCTURES

HOMEOWNER ACCESS ROAD	STATION	OFFSET	DIRECTION
ENDWALL	14+87.0	22.5'	RIGHT
I-1 DOUBLE "S" INLET	15+88.5	23.5'	RIGHT
I-2 YARD INLET	17+13.0 (EXTENDED)	30.0'	RIGHT
I-3 YARD INLET	18+04.5 (EXTENDED)	47.5'	RIGHT
SERVICE ROAD			
I-4 "K" INLET (MOD.)	0+47.0	30.5'	RIGHT

SUBDIVISION NAME
Alpha Ridge Solid Waste Management Center

LIBER/FOLIO/BLOCK 18-18-330

WATER CODE Private, Existing

SEWER CODE Private, Existing

OWNER/DEVELOPER
Howard County Government

ADDRESS
3430 Court House Drive, Ellicott City, MD 21043

SECT./AREA/LOT/PARCEL 302

TAX/ZONE MAP/ELEC. DIST./CENSUS TR. R 18 3 0030



DESIGN: J.W.W.
DRAWN: D.T.M.
CHECKED: P.A.P.
PROJECT ENGINEER: D.S.S.

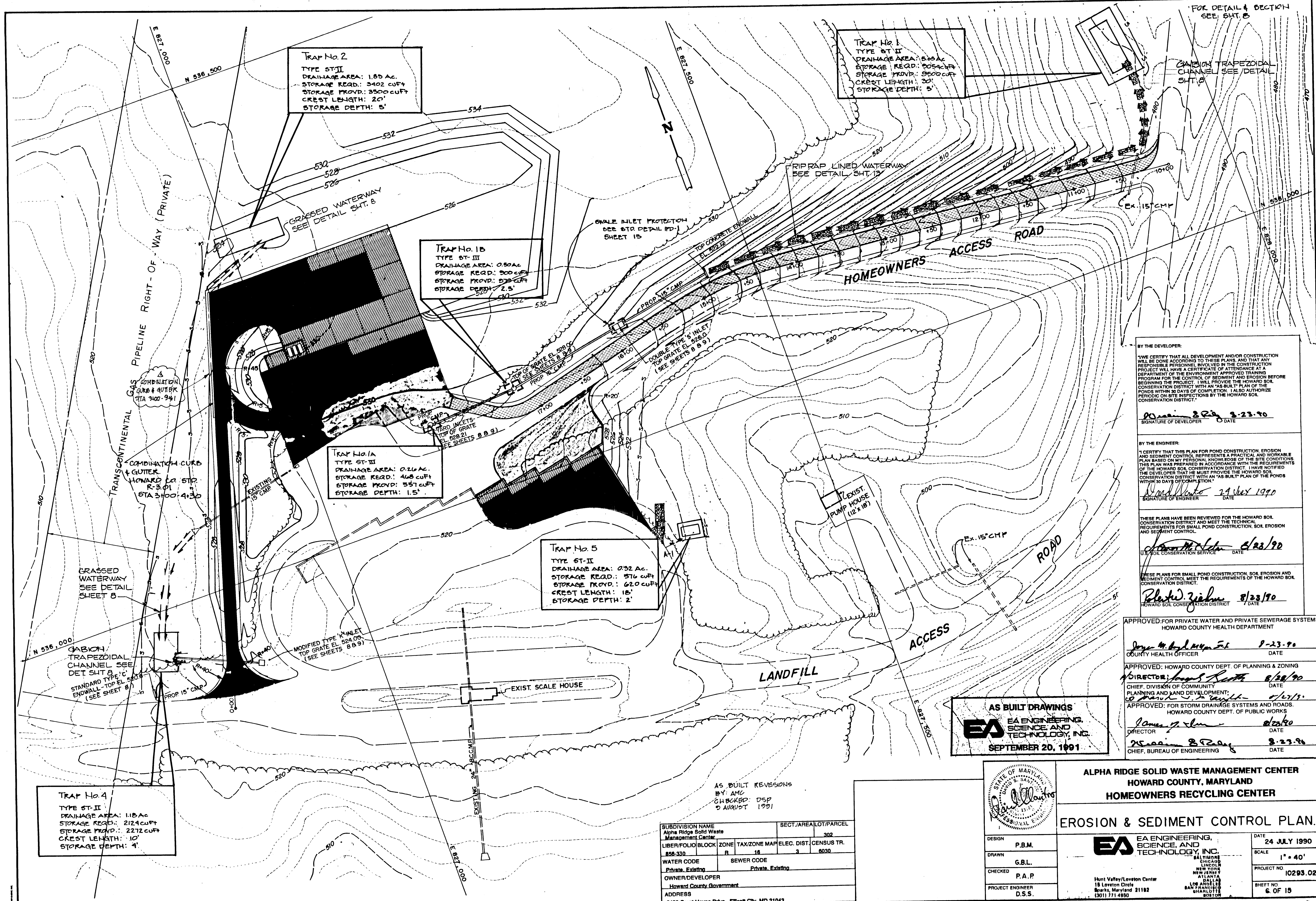
**ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER
HOWARD COUNTY, MARYLAND
HOMEOWNERS RECYCLING CENTER**

SITE PLAN

EA EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
Baltimore, Chicago, Lincoln, New Jersey, Atlanta, Dallas, Los Angeles, San Francisco, Charlotte, Boston

Hunt Valley/Loveton Center
15 Loveton Circle
Sawto, Maryland 21152
(301) 771-4950

DATE: 24 JULY 1990
SCALE: 1" = 40'
PROJECT NO.: 10293.02
SHEET NO.: 2 OF 15



FOR DETAIL & SECTION SEE SHT. 8

TRAP No. 1
TYPE ST-II
DRAINAGE AREA: 1.85 AC
STORAGE REQD.: 3402 CUFT
STORAGE PROVIDED: 3500 CUFT
CREST LENGTH: 20'
STORAGE DEPTH: 5'

TRAP No. 2
TYPE ST-II
DRAINAGE AREA: 1.85 AC
STORAGE REQD.: 3402 CUFT
STORAGE PROVIDED: 3500 CUFT
CREST LENGTH: 20'
STORAGE DEPTH: 5'

TRAP No. 10
TYPE ST-III
DRAINAGE AREA: 0.50 AC
STORAGE REQD.: 500 CUFT
STORAGE PROVIDED: 500 CUFT
STORAGE DEPTH: 2.5'

TRAP No. 10A
TYPE ST-III
DRAINAGE AREA: 0.26 AC
STORAGE REQD.: 468 CUFT
STORAGE PROVIDED: 557 CUFT
STORAGE DEPTH: 1.5'

TRAP No. 5
TYPE ST-II
DRAINAGE AREA: 0.32 AC
STORAGE REQD.: 620 CUFT
STORAGE PROVIDED: 620 CUFT
CREST LENGTH: 18'
STORAGE DEPTH: 2'

TRAP No. 4
TYPE ST-II
DRAINAGE AREA: 1.18 AC
STORAGE REQD.: 2124 CUFT
STORAGE PROVIDED: 2272 CUFT
CREST LENGTH: 10'
STORAGE DEPTH: 4'

BY THE DEVELOPER:
I/WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE PONDS WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.
William S. Papp 8-23-90
SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:
I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE PONDS WITHIN 30 DAYS OF COMPLETION.
Donald W. Ziehm 8/23/90
SIGNATURE OF ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
James M. Nelson 8/23/90
U.S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Donald W. Ziehm 8/23/90
HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT

Joseph M. ... 8-23-90
COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Director: ... 8/28/90
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

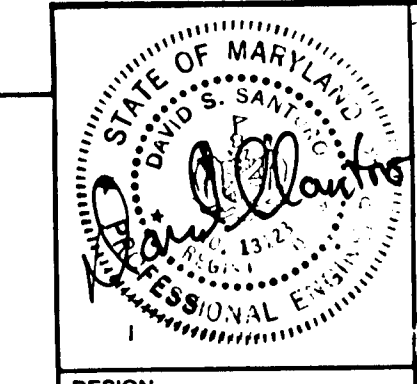
APPROVED: FOR STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPT. OF PUBLIC WORKS

James G. ... 8/23/90
DIRECTOR DATE
William S. Papp 8-23-90
CHIEF, BUREAU OF ENGINEERING DATE

AS BUILT DRAWINGS
EA ENGINEERING, SCIENCE AND TECHNOLOGY, INC.
SEPTEMBER 20, 1991

AS BUILT REVISIONS
BY: AMC
CHECKED: DSP
3 AUGUST 1991

SUBDIVISION NAME Alpha Ridge Solid Waste Management Center		SECT./AREA/LOT/PARCEL 302	
LIBER/FOLIO/BLOCK 858-330	ZONE R	TAX/ZONE MAP 18	ELEC. DIST./CENSUS TR. 3/6030
WATER CODE Private, Existing	SEWER CODE Private, Existing		
OWNER/DEVELOPER Howard County Government			
ADDRESS 3430 Court House Drive, Ellicott City, MD 21043			



ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER
HOWARD COUNTY, MARYLAND
HOMEOWNERS RECYCLING CENTER

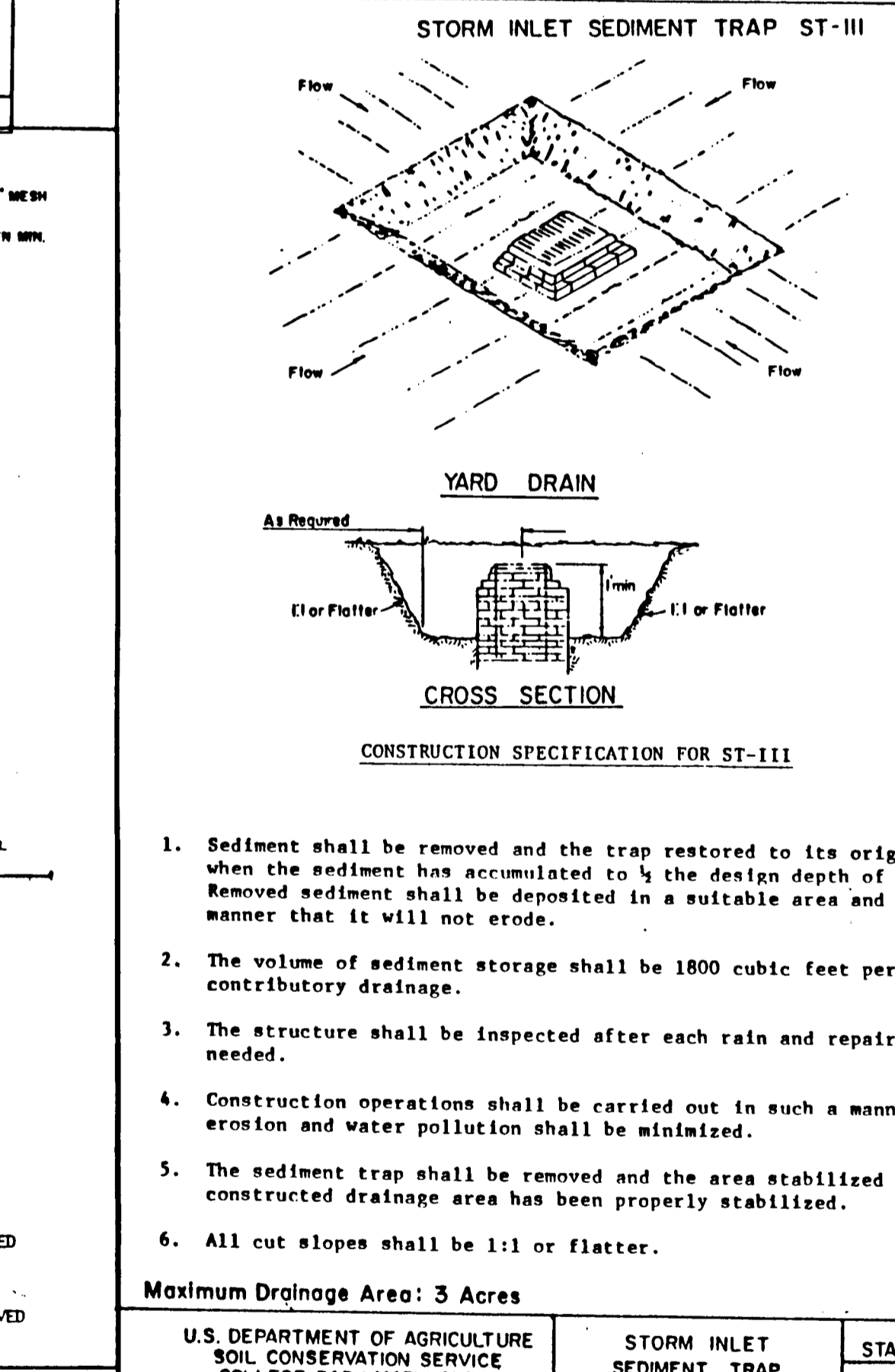
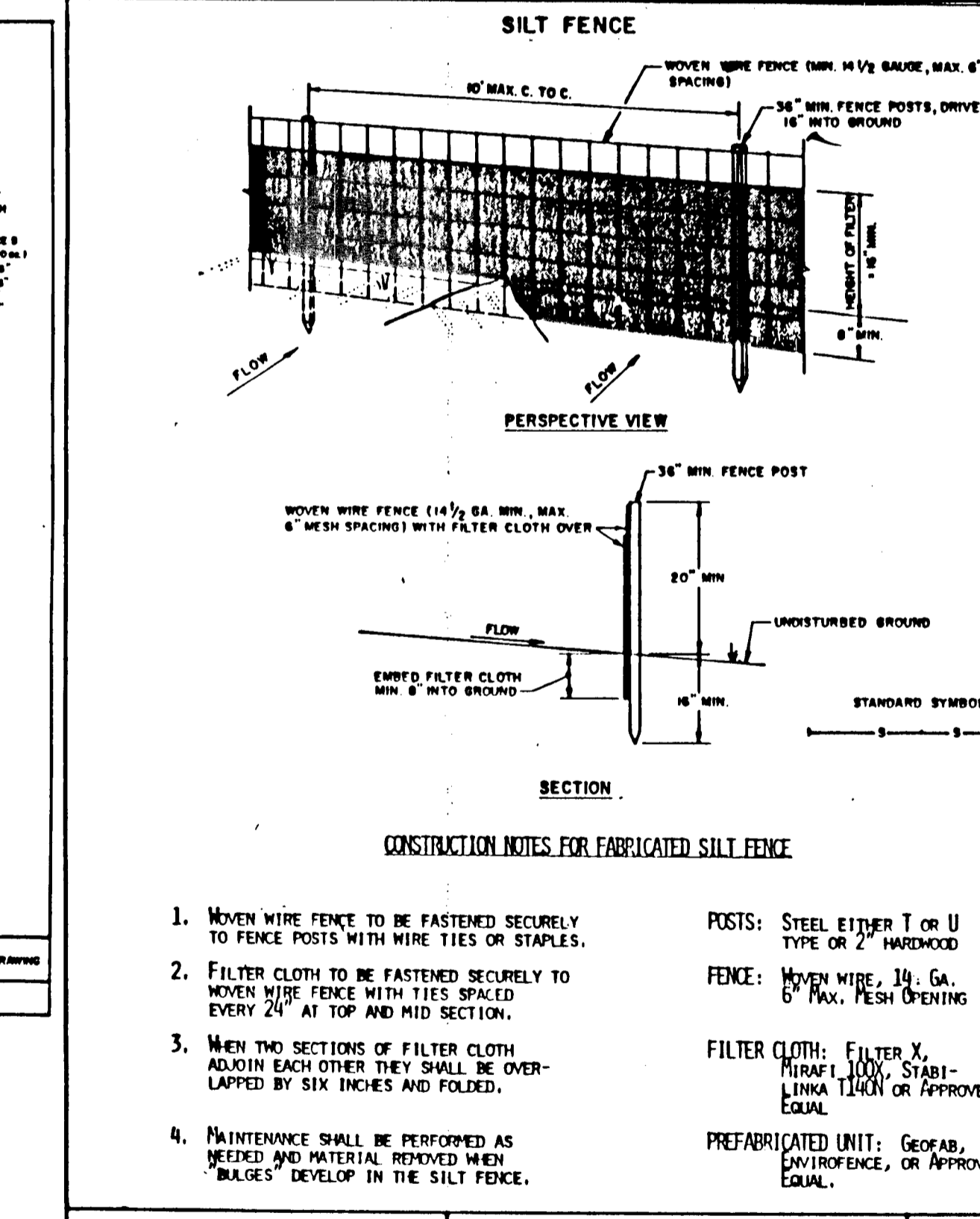
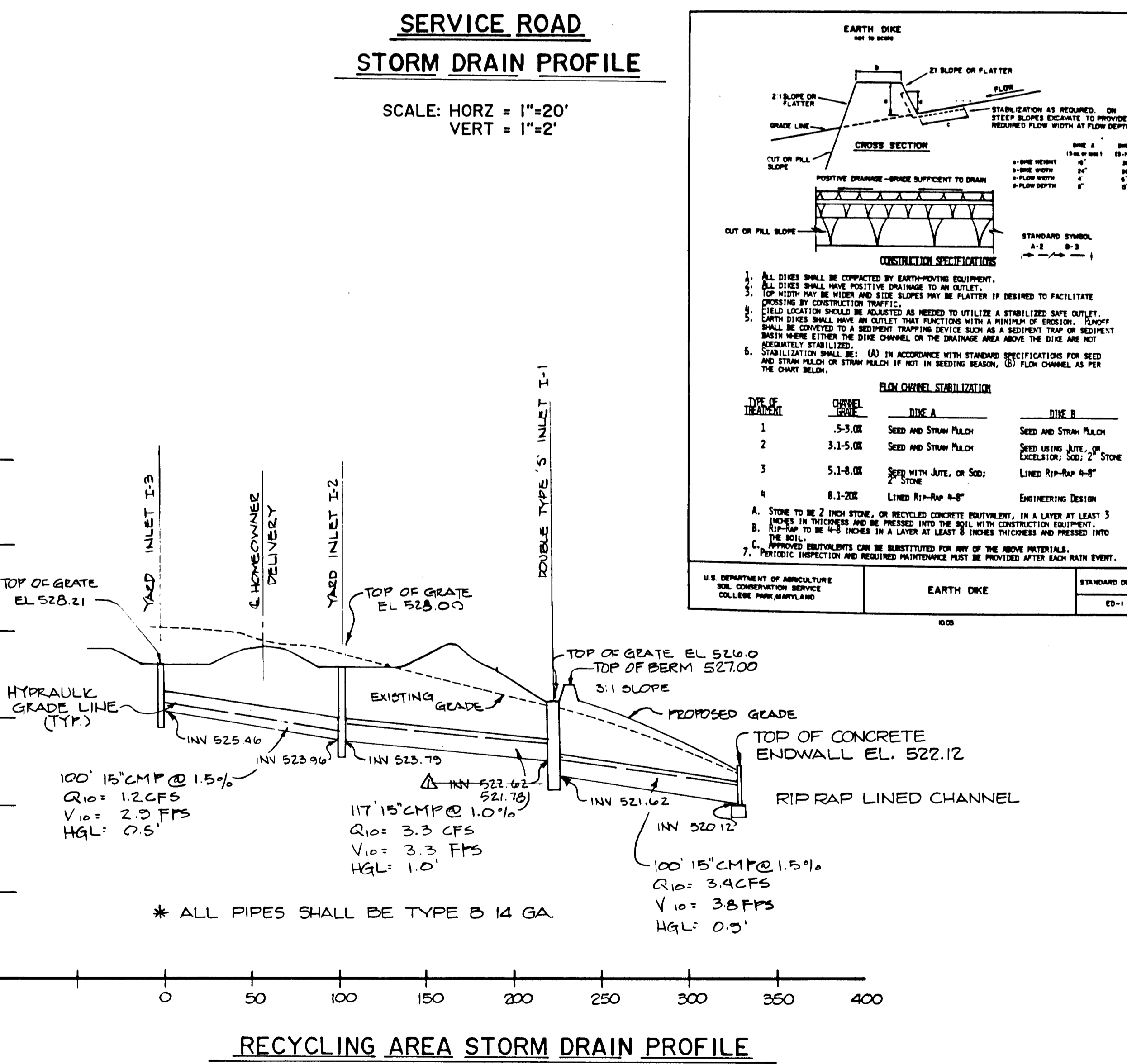
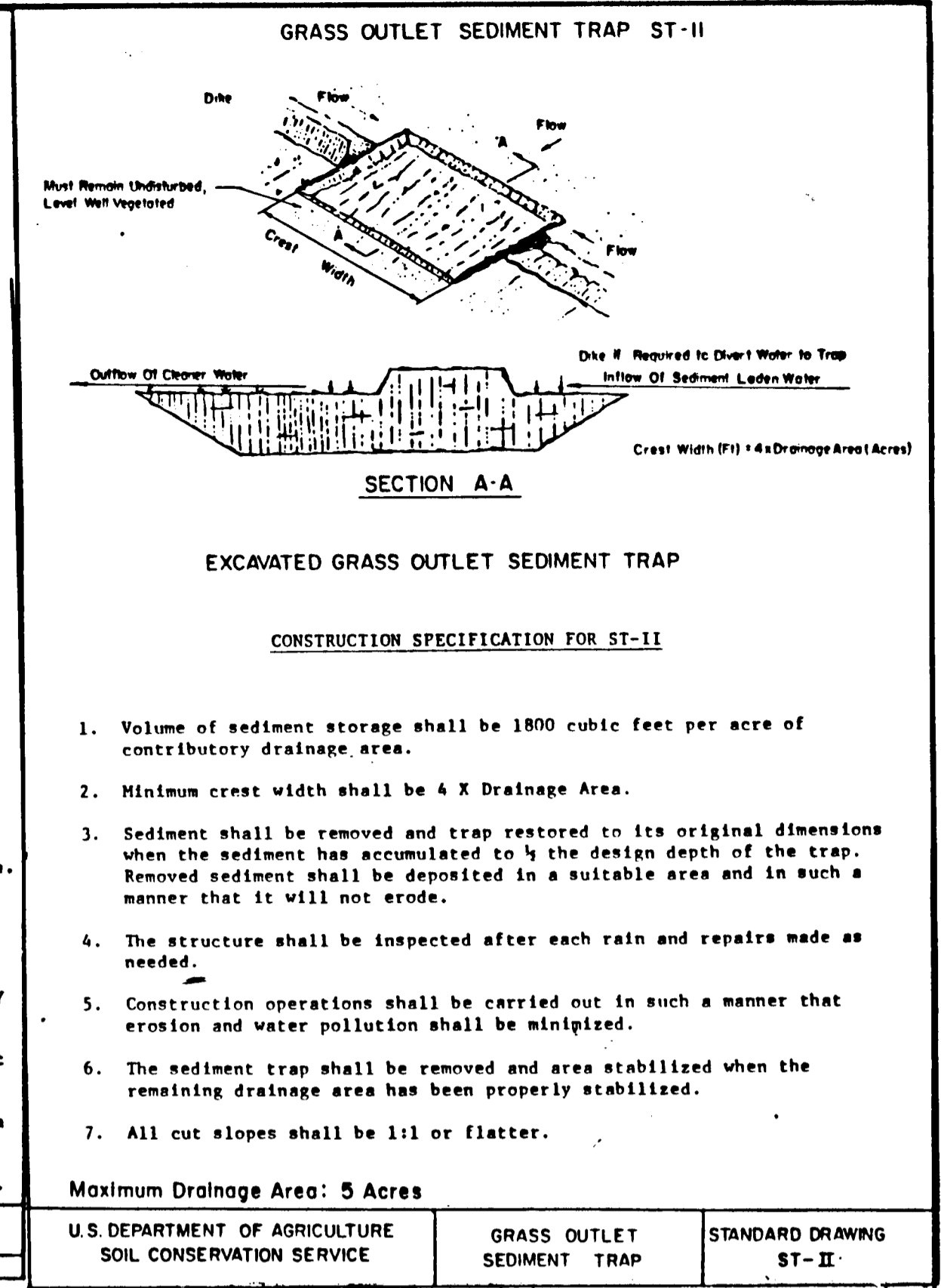
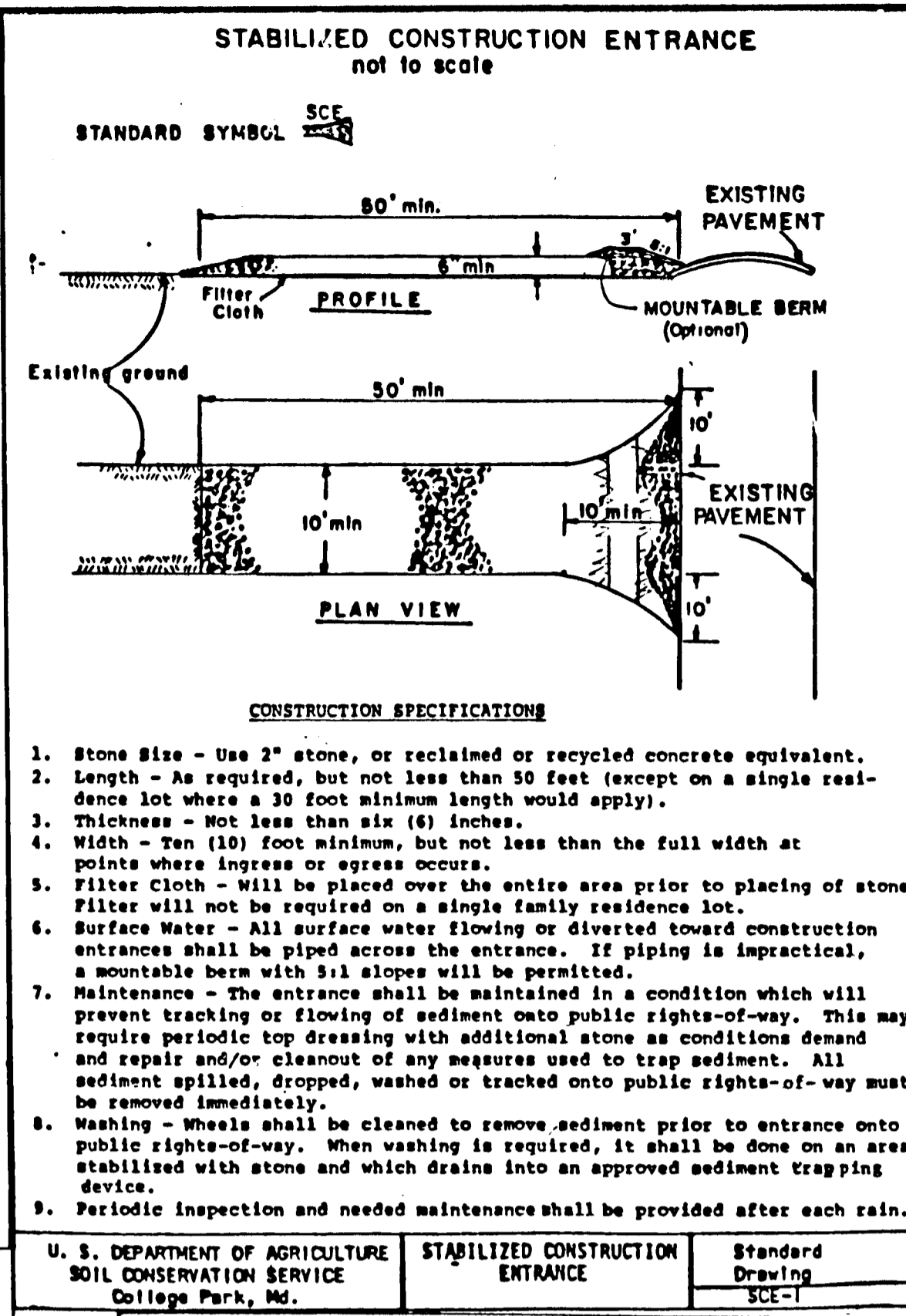
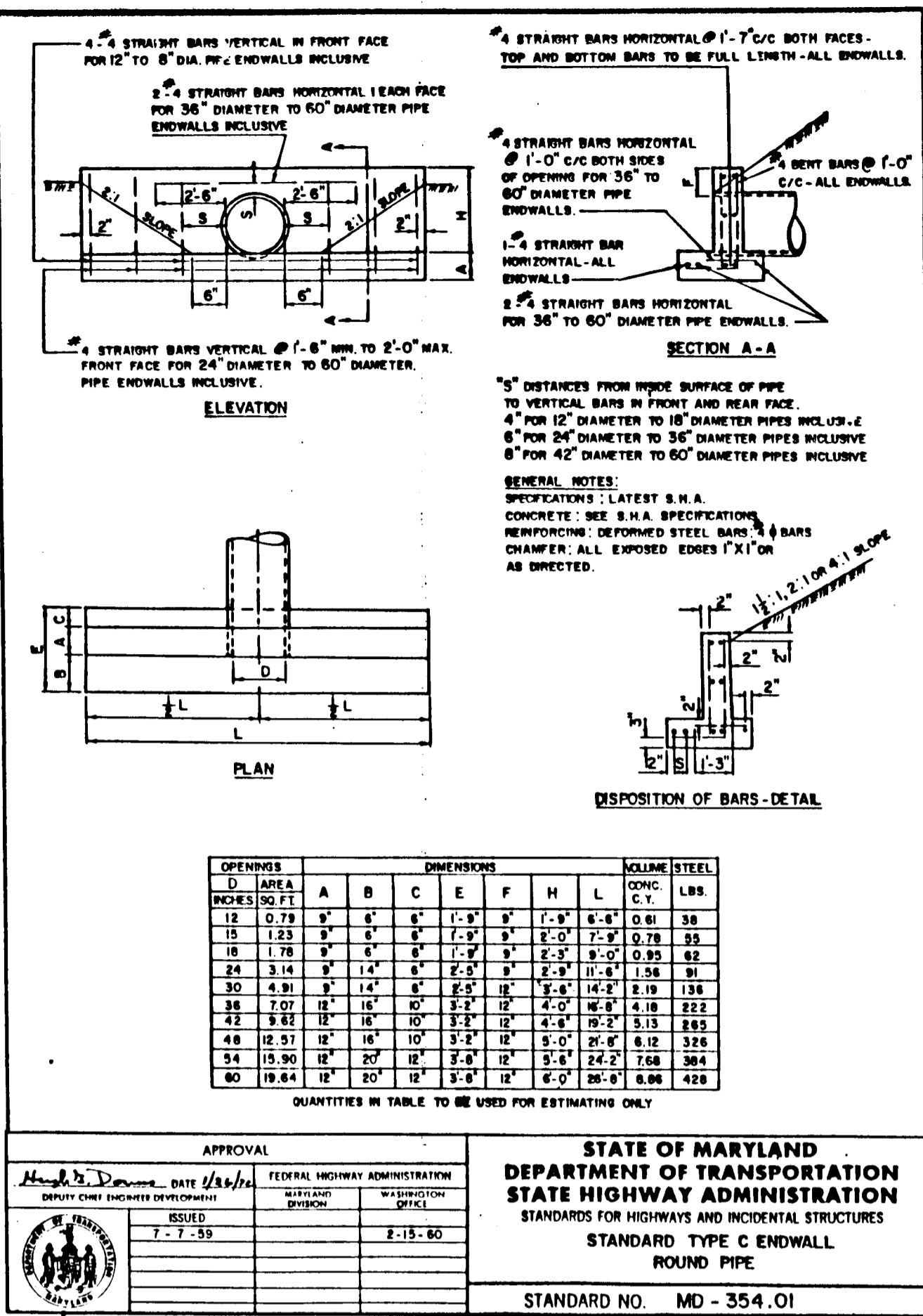
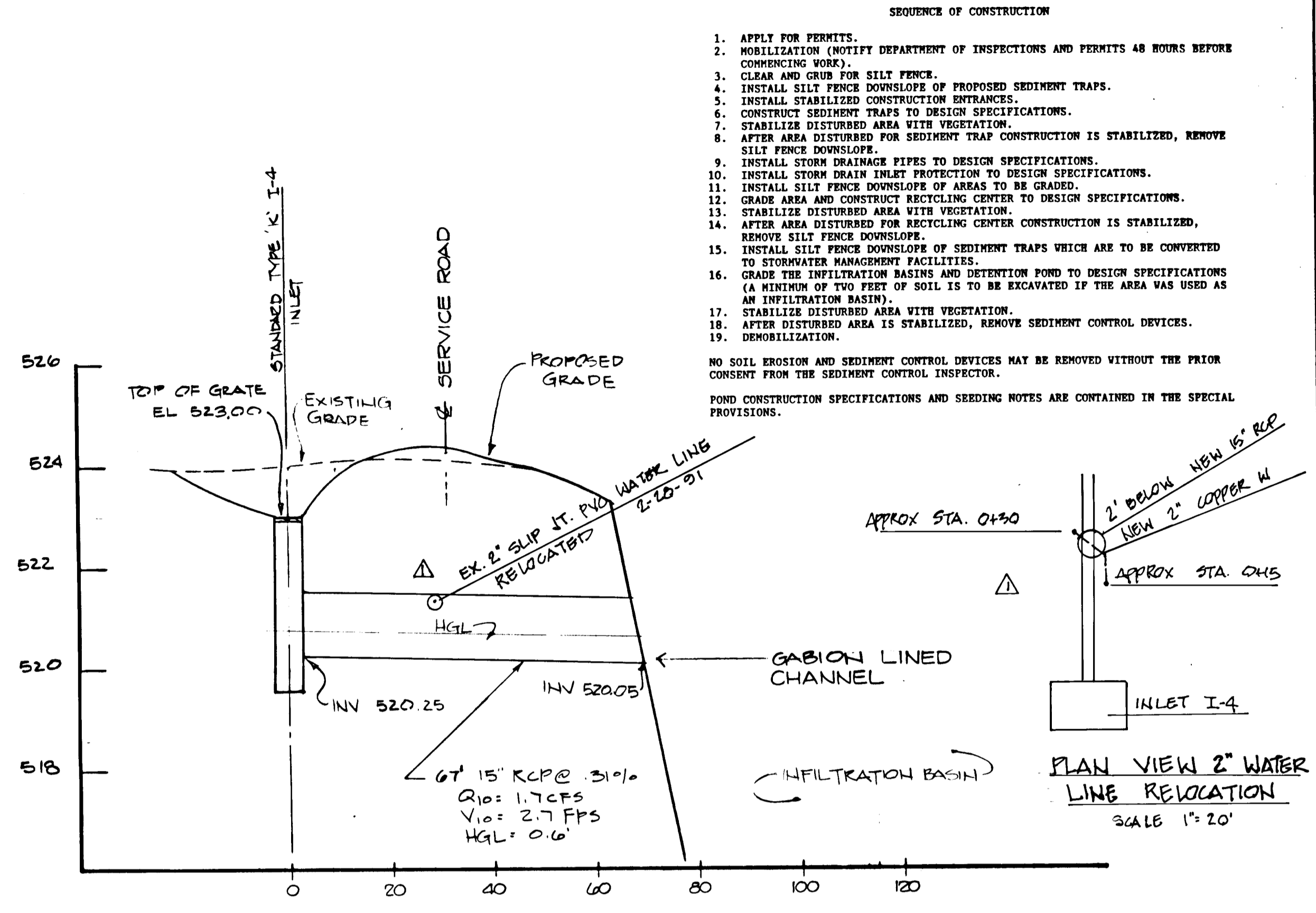
EROSION & SEDIMENT CONTROL PLAN.

DESIGN	P.B.M.
DRAWN	G.B.L.
CHECKED	P.A.P.
PROJECT ENGINEER	D.S.S.

DATE: 24 JULY 1990
SCALE: 1" = 40'
PROJECT NO.: 10293.02
SHEET NO.: 6 OF 15

EA ENGINEERING, SCIENCE AND TECHNOLOGY, INC.
Hunt Valley/Loveton Center
18 Loveton Circle
Baltimore, Maryland 21182
(301) 771-4980

880



BY THE DEVELOPER:
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS BUILT" PLAN OF THE PONDS WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.

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

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

AS BUILT DRAWINGS
 EA ENGINEERING, SCIENCE AND TECHNOLOGY, INC.
 SEPTEMBER 20, 1991

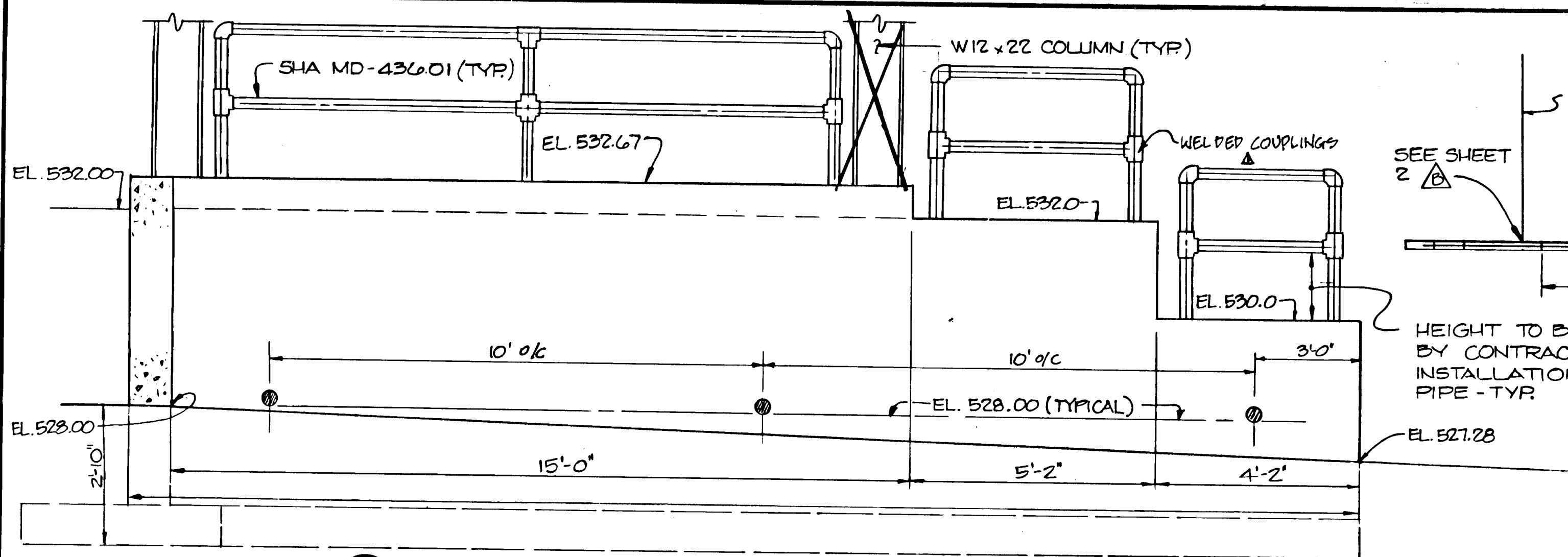
SUBDIVISION NAME Alpha Ridge Solid Waste Management Center	SECT./AREA/LOT/PARCEL 302
LIBER/FOLIO/BLOCK 858-330	TAX/ZONE MAP/ELEC. DIST./CENSUS TR. R 16 3 6030
WATER CODE Private, Existing	SEWER CODE Private, Existing
OWNER/DEVELOPER Howard County Government	ADDRESS 3430 Court House Drive, Ellicott City, MD 21043

DESIGN J.W.W.	DRAWN G.B.L.	CHECKED P.A.P.	PROJECT ENGINEER D.S.S.
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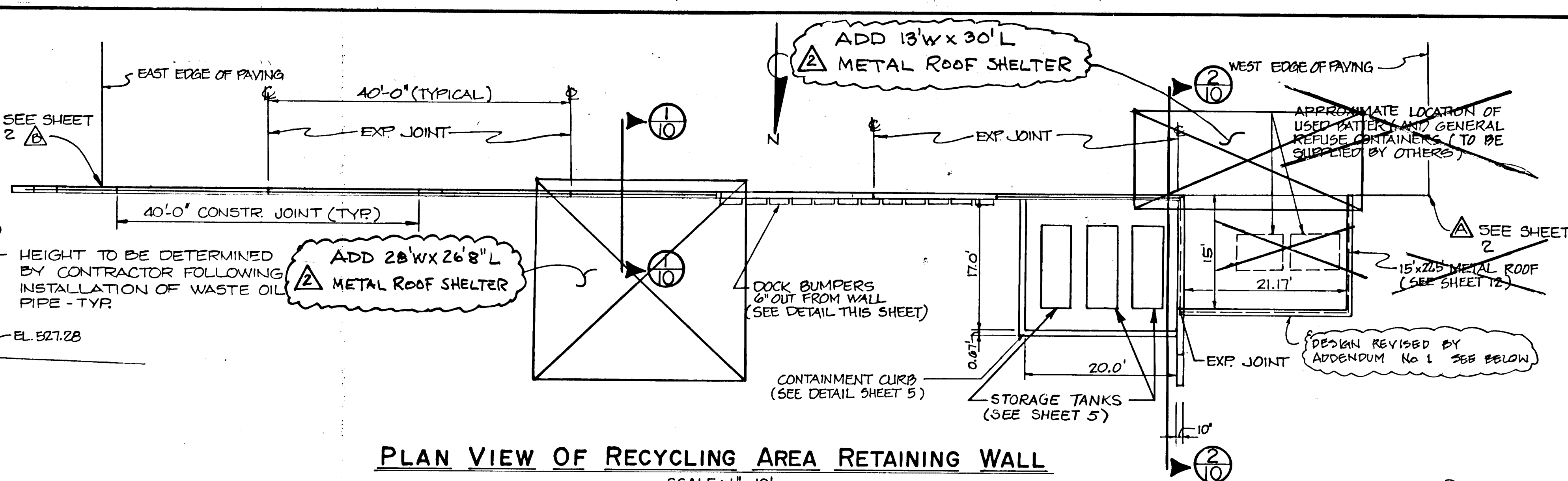
ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER
 HOWARD COUNTY, MARYLAND
HOMEOWNERS RECYCLING CENTER
EROSION & SEDIMENT CONTROL DETAILS
STORM DRAIN PROFILES

EA ENGINEERING, SCIENCE AND TECHNOLOGY, INC.
 Hunt Valley/Loveton Center
 15 Loveton Circle, Sparks, Maryland 21152

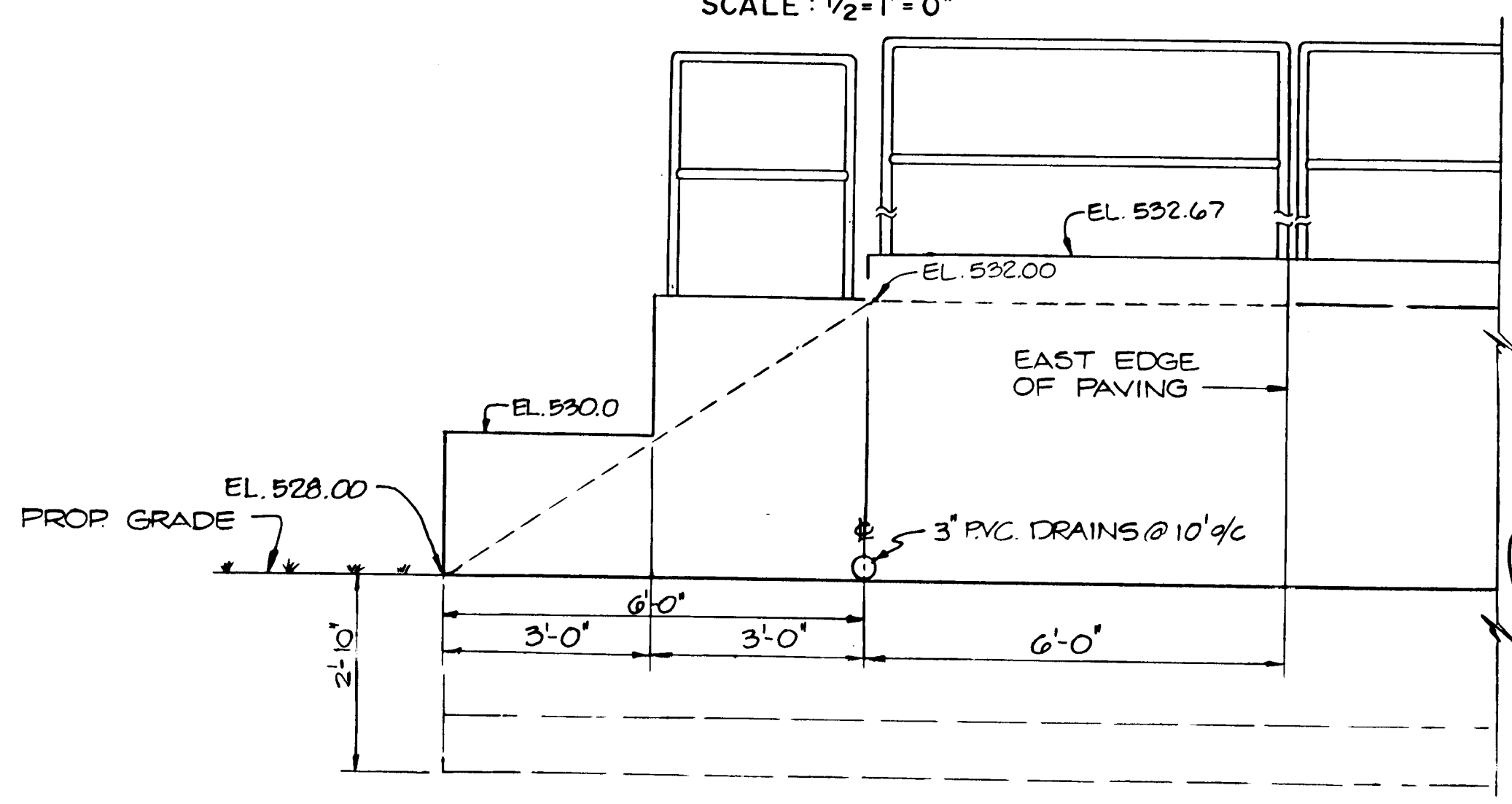
DATE: 24 JULY 1990
 SCALE: AS SHOWN
 PROJECT NO: 10293.02
 SHEET NO: 7 OF 15



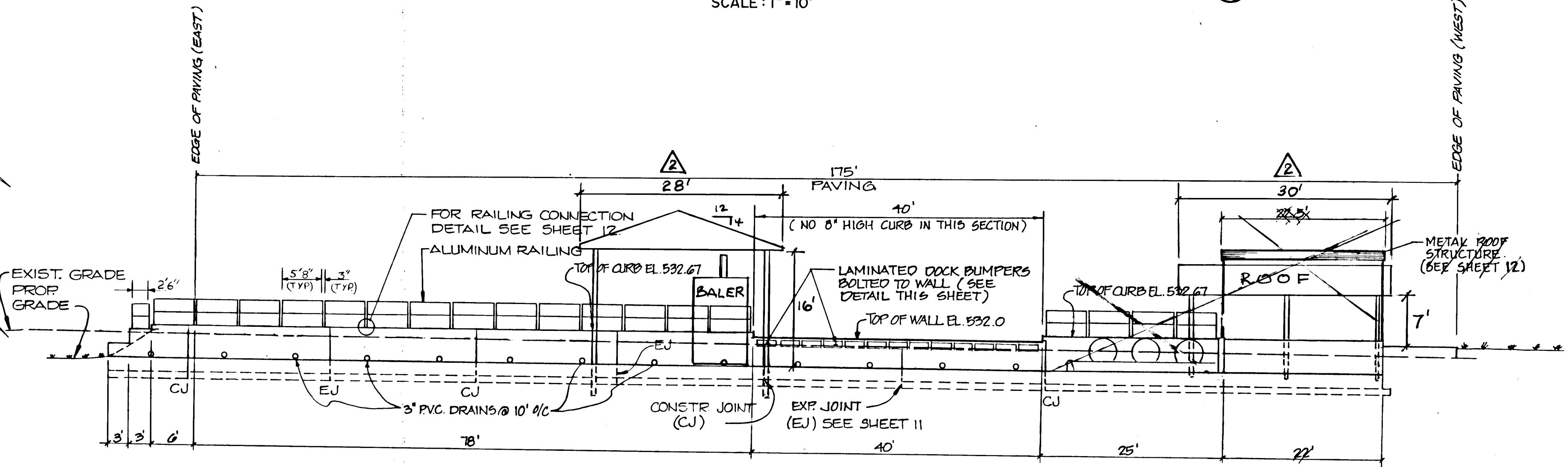
RETAINING WALL WEST END STEP DOWN DETAIL
SCALE: 1/2" = 1'-0"



PLAN VIEW OF RECYCLING AREA RETAINING WALL
SCALE: 1" = 10'

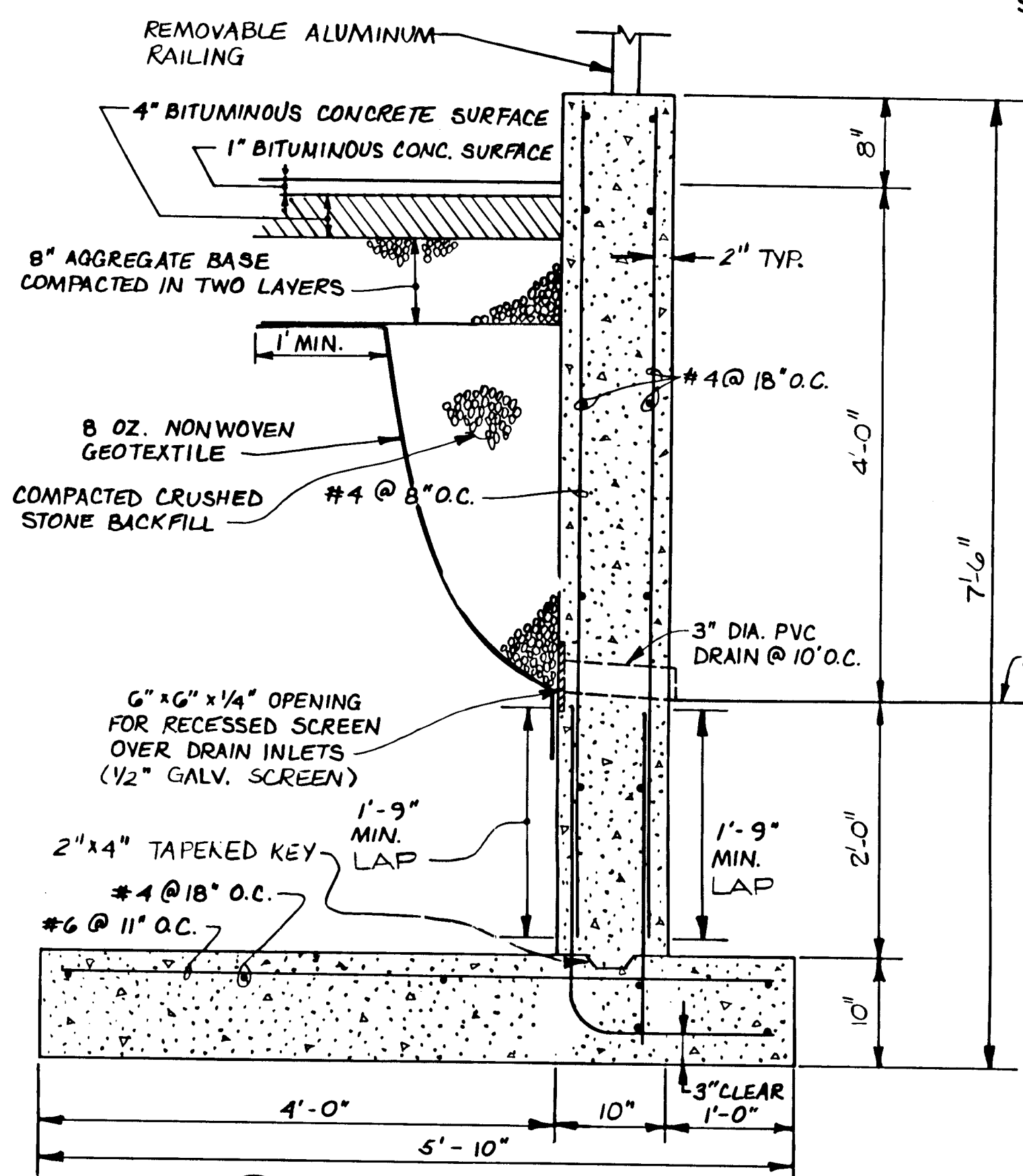


RETAINING WALL EAST END STEP DOWN DETAIL
SCALE: 1/2" = 1'-0"

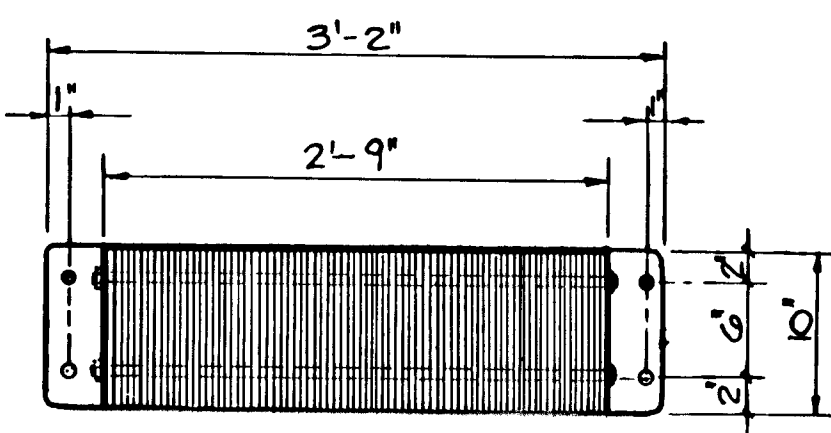


PROFILE RECYCLING AREA RETAINING WALL SHELTERS
SCALE: 1" = 10'

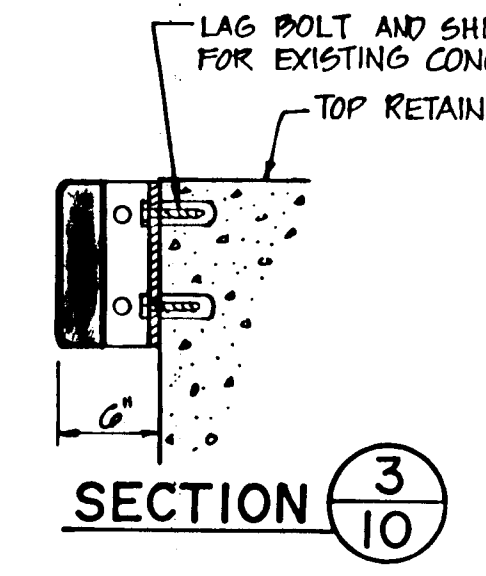
AS BUILT DRAWINGS
EA ENGINEERING, SCIENCE AND TECHNOLOGY, INC.
SEPTEMBER 20, 1991



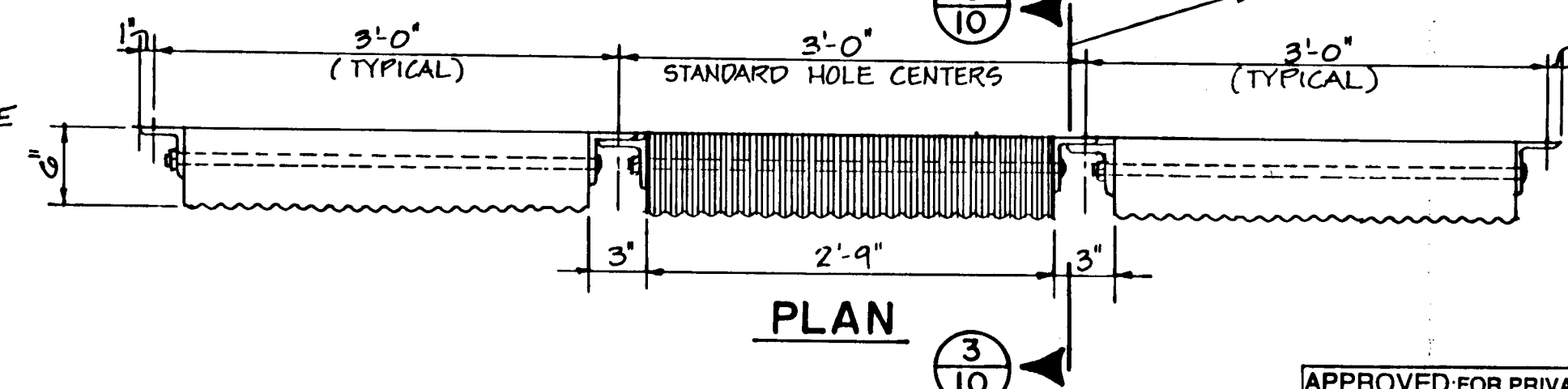
TYPICAL SECTION RECYCLING AREA RETAINING WALL
SCALE: 1" = 1'-0"



ELEVATION

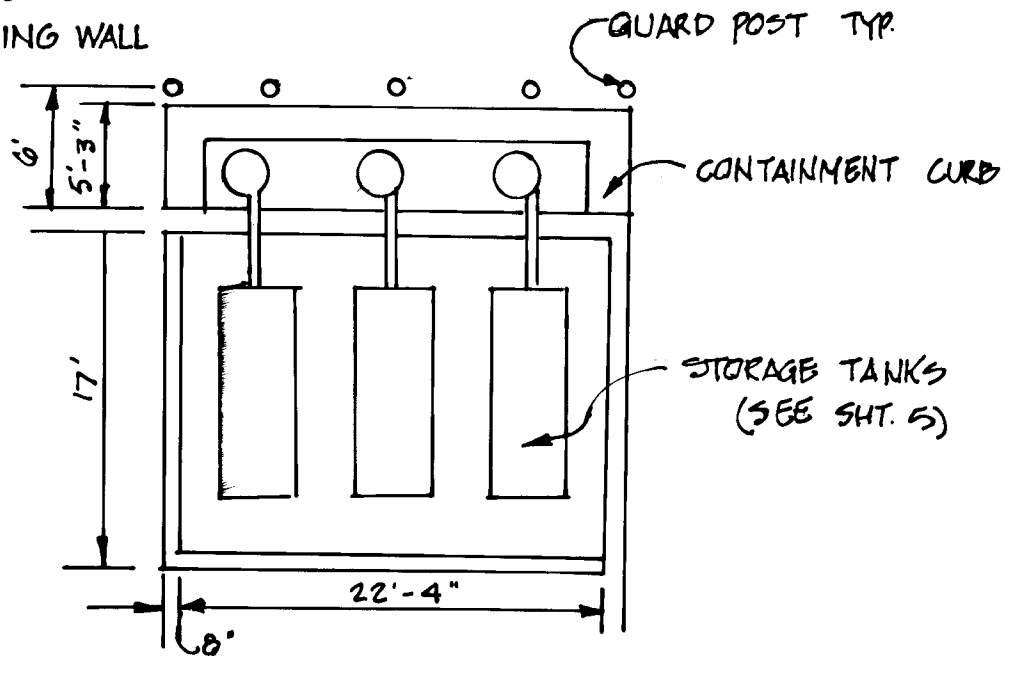


SECTION

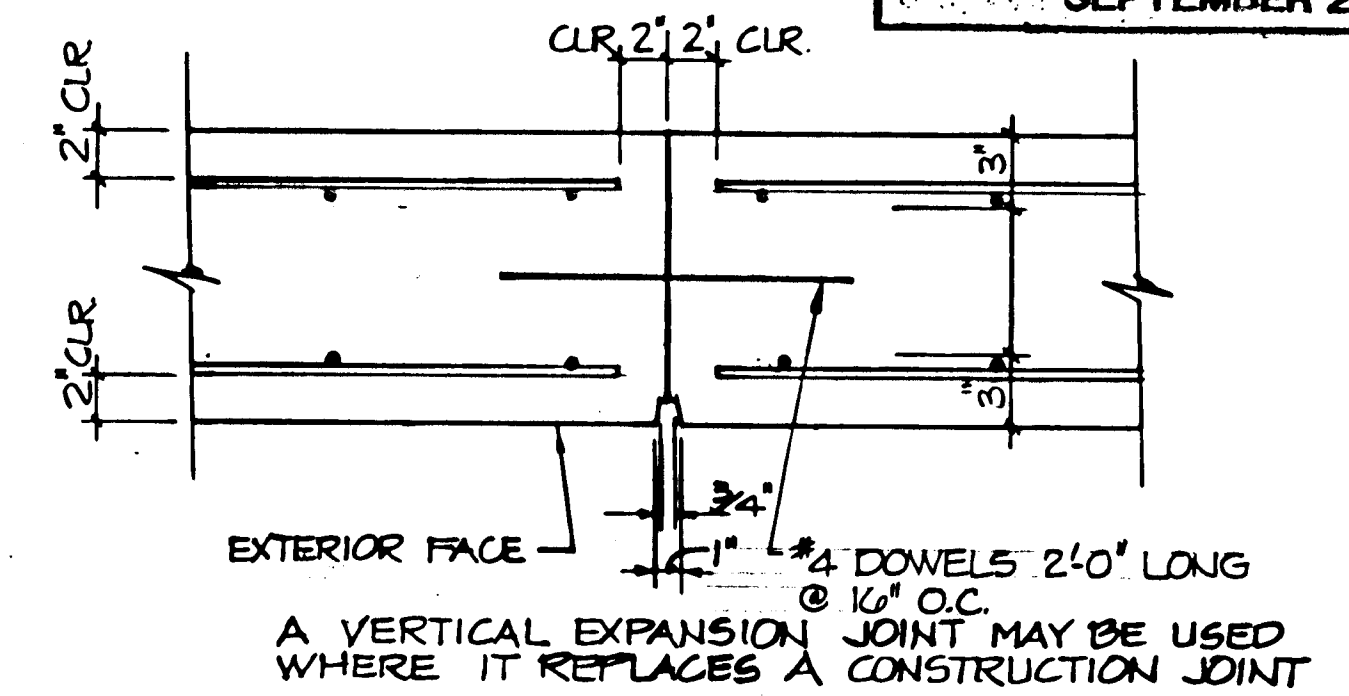


PLAN

LAMINATED DOCK BUMPER
SCALE: 1" = 1'-0"



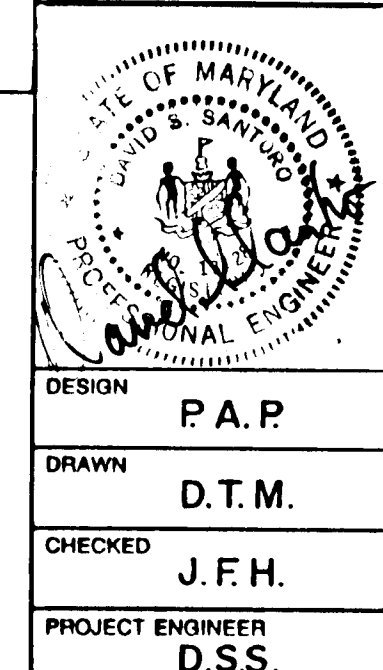
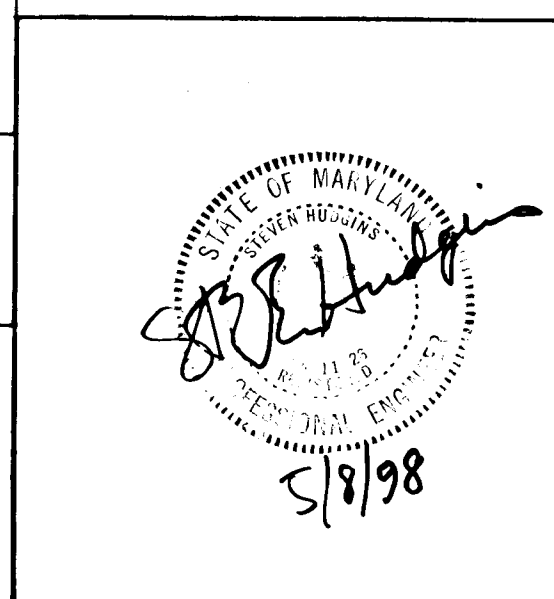
STORAGE TANK CONTAINMENT AS-BUILT PLAN
SCALE: 1" = 10'



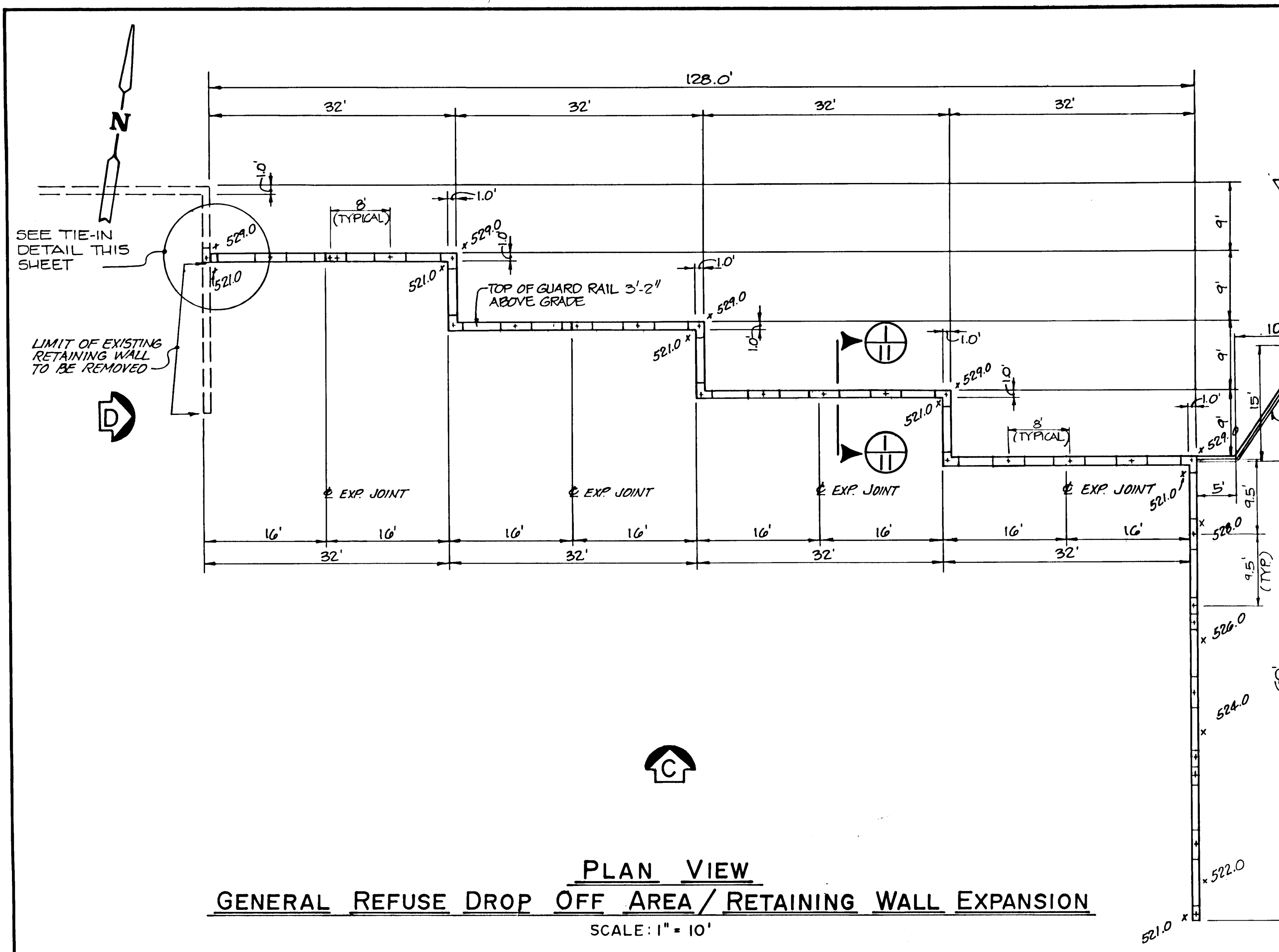
VERTICAL CONSTRUCTION JOINT (CJ)
NOT TO SCALE

SUBDIVISION NAME Alpha Ridge Solid Waste Management Center		SECT./AREA/LOT/PARCEL	
LIBER/FOLIO/BLOCK 858-330		302	
ZONE R	TAX/ZONE MAP 18	ELEC. DIST. 3	CENSUS TR. 6030
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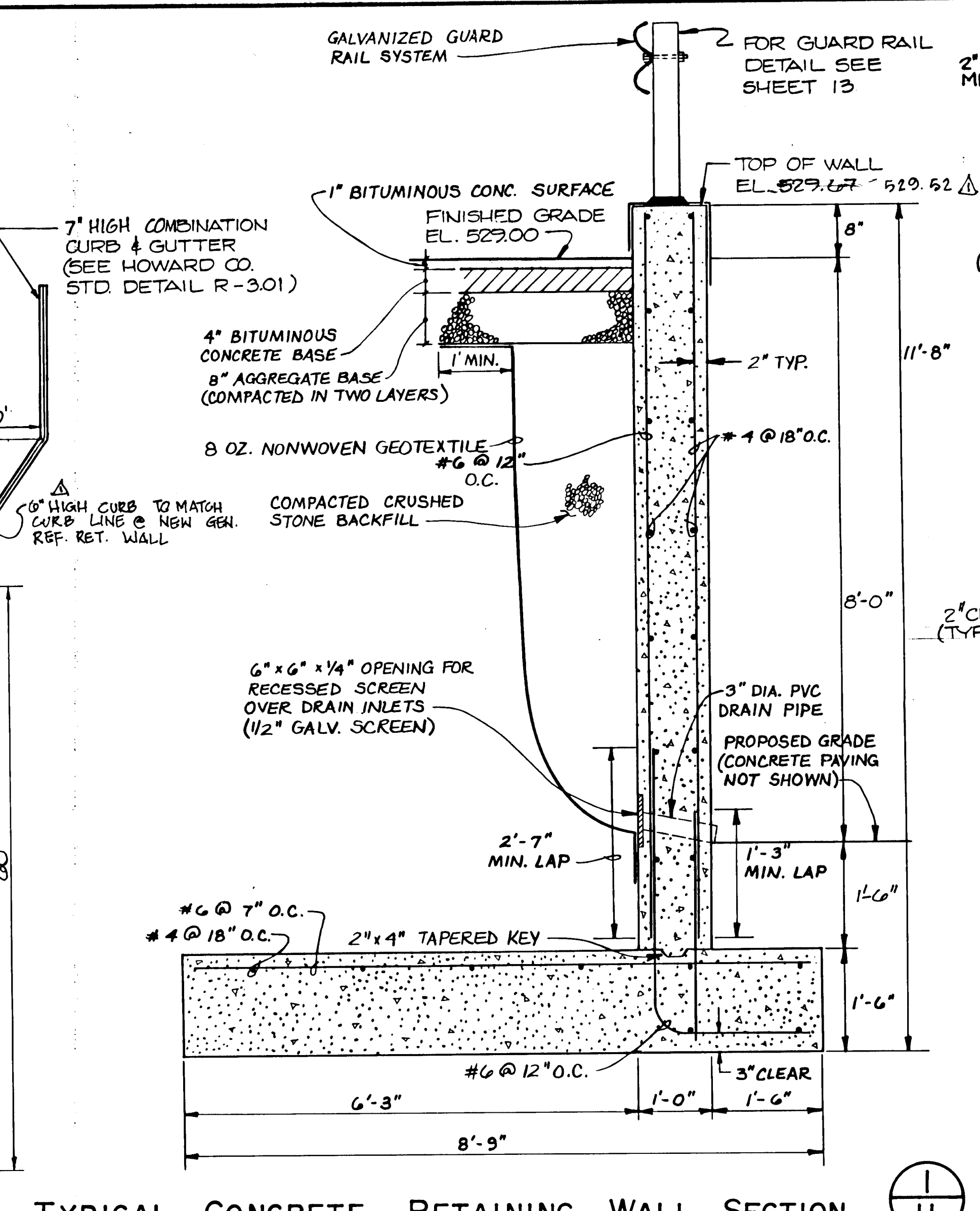
APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT	
<i>John M. Boyd</i> COUNTY HEALTH OFFICER	8-23-90 DATE
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	
<i>James Keith</i> DIRECTOR	8/28/90 DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	
<i>James Keith</i> APPROVED	5/23/91 DATE
APPROVED FOR STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPT. OF PUBLIC WORKS	
<i>James Keith</i> DIRECTOR	8/23/90 DATE
CHIEF, BUREAU OF ENGINEERING	
<i>James Keith</i> APPROVED	8-23-90 DATE



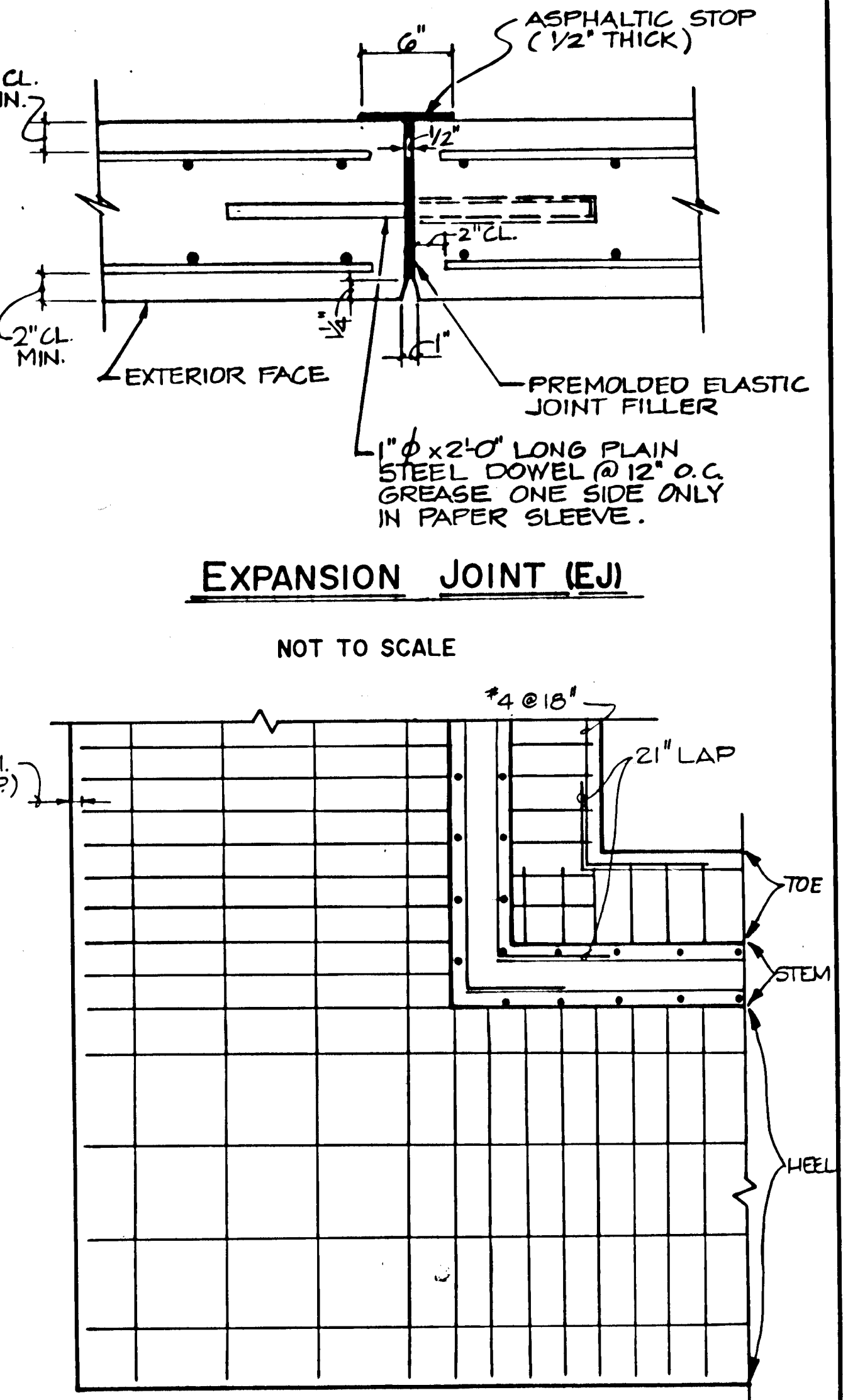
ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER HOWARD COUNTY, MARYLAND HOMEOWNERS RECYCLING CENTER	
RECYCLING AREA RETAINING WALL	
DESIGN P.A.P.	DATE 24 JULY 1990
DRAWN D.T.M.	SCALE AS SHOWN
CHECKED J.F.H.	PROJECT NO. 10293-02
PROJECT ENGINEER D.S.S.	SHEET NO. 10 OF 15



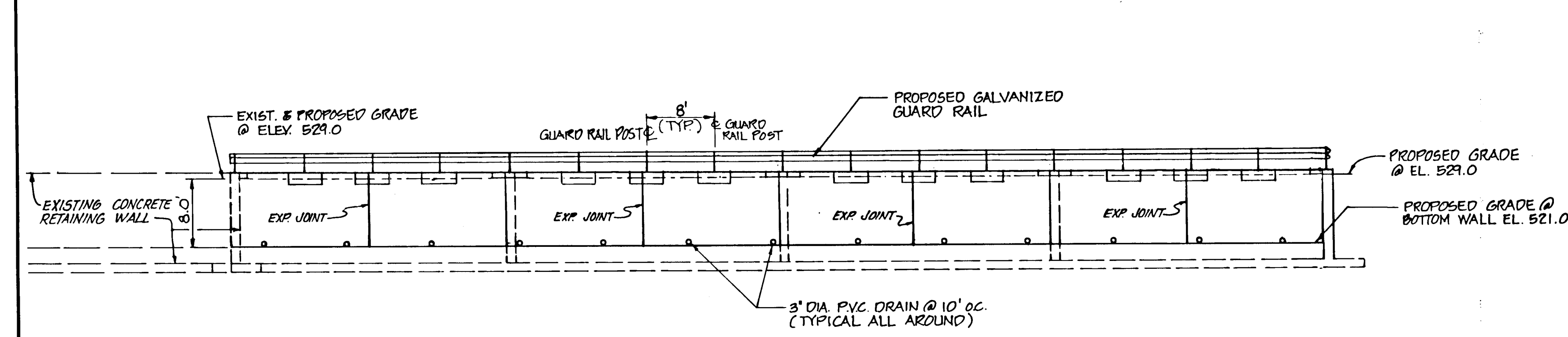
PLAN VIEW
GENERAL REFUSE DROP OFF AREA/RETAINING WALL EXPANSION
 SCALE: 1" = 10'



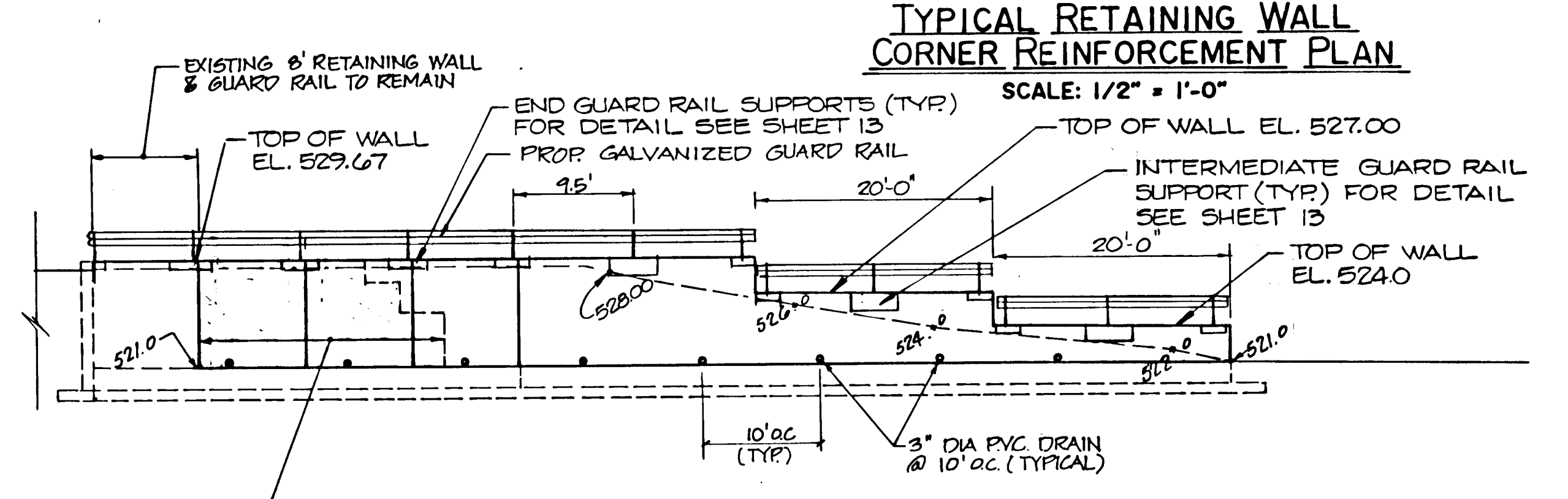
TYPICAL CONCRETE RETAINING WALL SECTION
 SCALE: 3/4" = 1'-0"



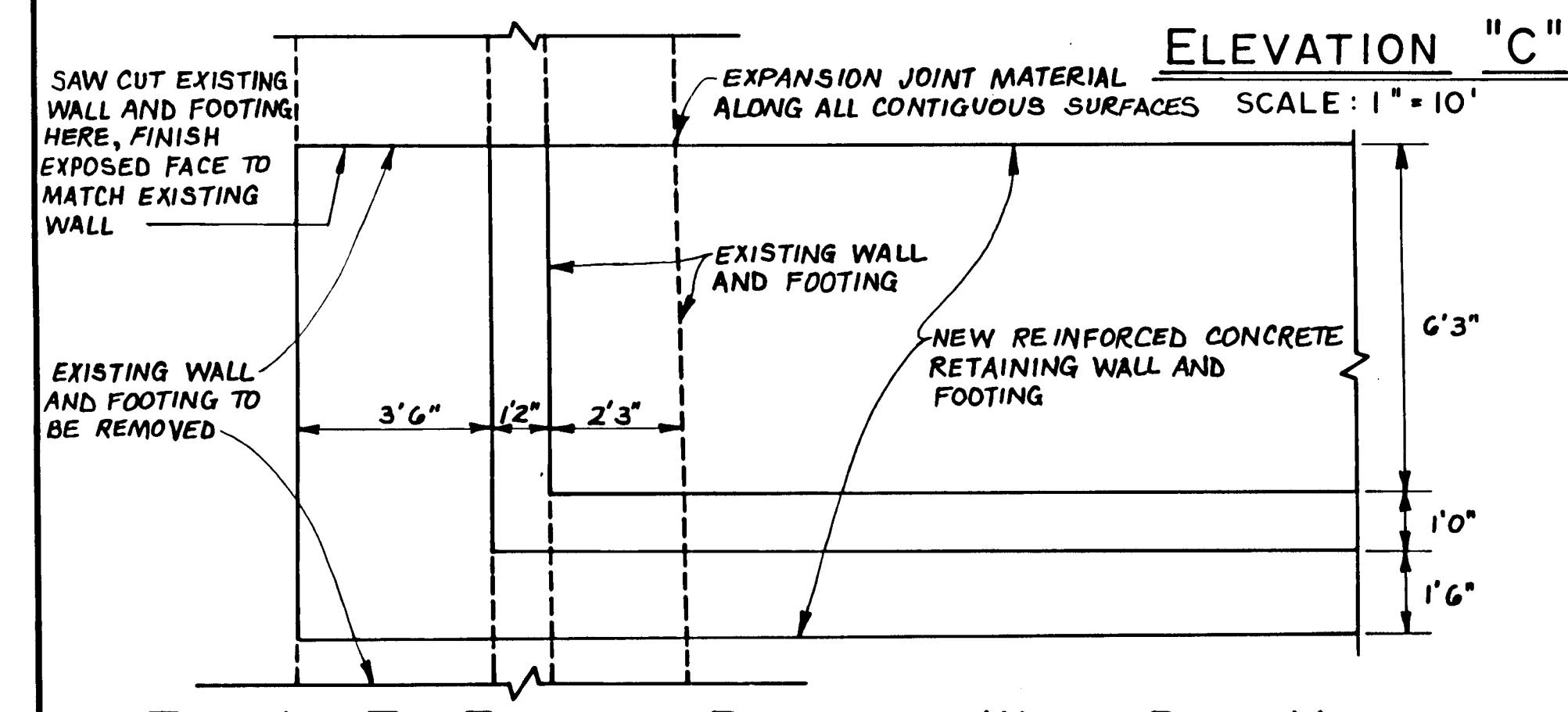
EXPANSION JOINT (EJ)
 NOT TO SCALE



ELEVATION "C"
 SCALE: 1" = 10'



TYPICAL RETAINING WALL CORNER REINFORCEMENT PLAN
 SCALE: 1/2" = 1'-0"



TIE-IN TO EXISTING RETAINING WALL-PLAN VIEW
 SCALE: 3/8" = 1'-0"

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS.
 HOWARD COUNTY HEALTH DEPARTMENT

Jay M. Boyd 8-23-90
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Jay M. Boyd 8/23/90
 DIRECTOR DATE

APPROVED: FOR STORM DRAINAGE SYSTEMS AND ROADS.
 HOWARD COUNTY DEPT. OF PUBLIC WORKS

Jay M. Boyd 8/23/90
 DIRECTOR DATE

William E. Raley 8-23-90
 CHIEF, BUREAU OF ENGINEERING DATE

SUBDIVISION NAME Alpha Ridge Solid Waste Management Center	SECT./AREA LOT/PARCEL 302
LIBER/FOLIO BLOCK 858-330	TAX/ZONE MAP ELEC. DIST. CENSUS TR. 18 3 8030
WATER CODE Private, Existing	SEWER CODE Private, Existing
OWNER/DEVELOPER Howard County Government	ADDRESS 3430 Court House Drive, Ellicott City, MD 21043

AS-BUILT REVISIONS, ADDED NOTE & CHANGED BL.
 CHANGES BY: AMP 8/18/91
 CHECKED BY: DSP

DESIGN P.A.P.
 DRAWN D.T.M.
 CHECKED J.W.W.
 PROJECT ENGINEER D.S.S.

AS BUILT DRAWINGS
 EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC.
 SEPTEMBER 20, 1991

ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER
 HOWARD COUNTY, MARYLAND
HOMEOWNERS RECYCLING CENTER

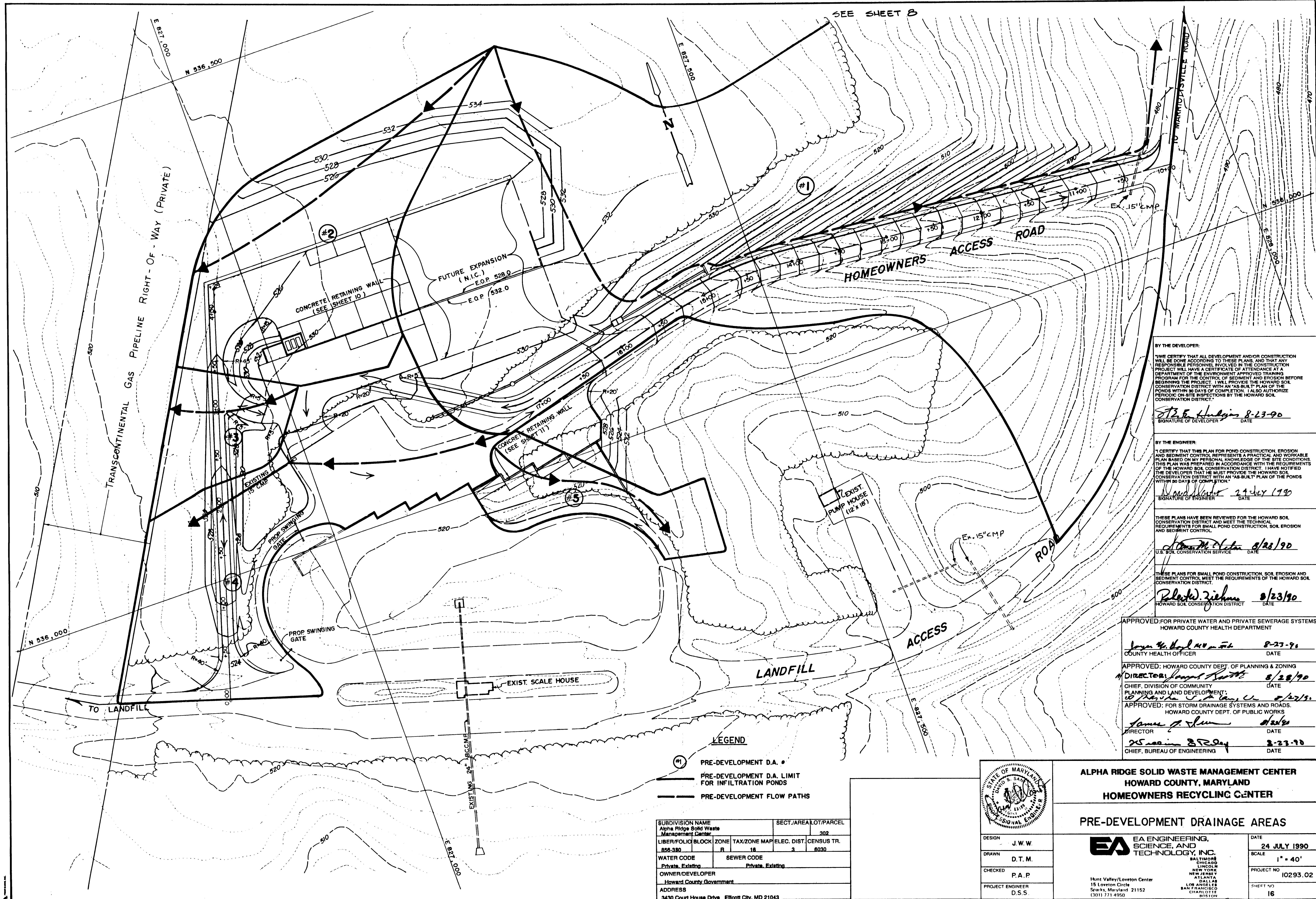
GENERAL REFUSE DROP-OFF AREA
RETAINING WALL EXPANSION

DATE: 24 JULY 1990
 SCALE: AS SHOWN
 PROJECT NO: 10293.02
 SHEET NO: 11 OF 15

Hunt Valley/Loveton Center
 18 Loveton Circle
 Sparks, Maryland 21152
 (301) 771-4980

BALTIMORE
 CHICAGO
 CINCINNATI
 LINCOLN
 NEW YORK
 SAN FRANCISCO

880



BY THE DEVELOPER:
 "I WE CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, 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 WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE PONDS WITHIN 90 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT."
STB E. Hudgins 8-23-90
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:
 "I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE PONDS WITHIN 90 DAYS OF COMPLETION."
David Hester 24 JULY 1990
 SIGNATURE OF ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
Thomas M. O'Brien 8/23/90
 U.S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
Robert D. Ziehm 8/23/90
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

John W. Boyd 8-23-90
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Director James South 8/23/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT DATE

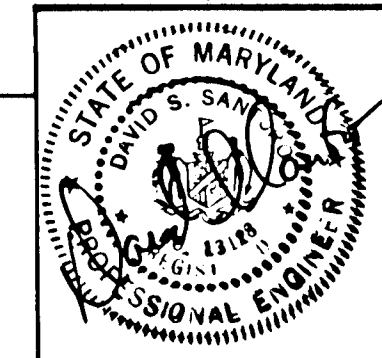
CO/Thomas J. Spang 8/23/90
 APPROVED: FOR STORM DRAINAGE SYSTEMS AND ROADS, HOWARD COUNTY DEPT. OF PUBLIC WORKS

James A. Shum 8/23/90
 DIRECTOR DATE

RS 8-23-90
 CHIEF, BUREAU OF ENGINEERING DATE

- LEGEND**
- ① PRE-DEVELOPMENT D.A. #
 - PRE-DEVELOPMENT D.A. LIMIT FOR INFILTRATION PONDS
 - PRE-DEVELOPMENT FLOW PATHS

SUBDIVISION NAME Alpha Ridge Solid Waste Management Center		SECT./AREA/LOT/PARCEL 302	
LIBER./FOLIO/BLOCK	ZONE	TAX/ZONE MAP/ELEC. DIST.	CENSUS TR.
858-380	R	18 3	8030
WATER CODE Private, Existing	SEWER CODE Private, Existing		
OWNER/DEVELOPER Howard County Government			
ADDRESS 3430 Court House Drive, Ellicott City, MD 21043			

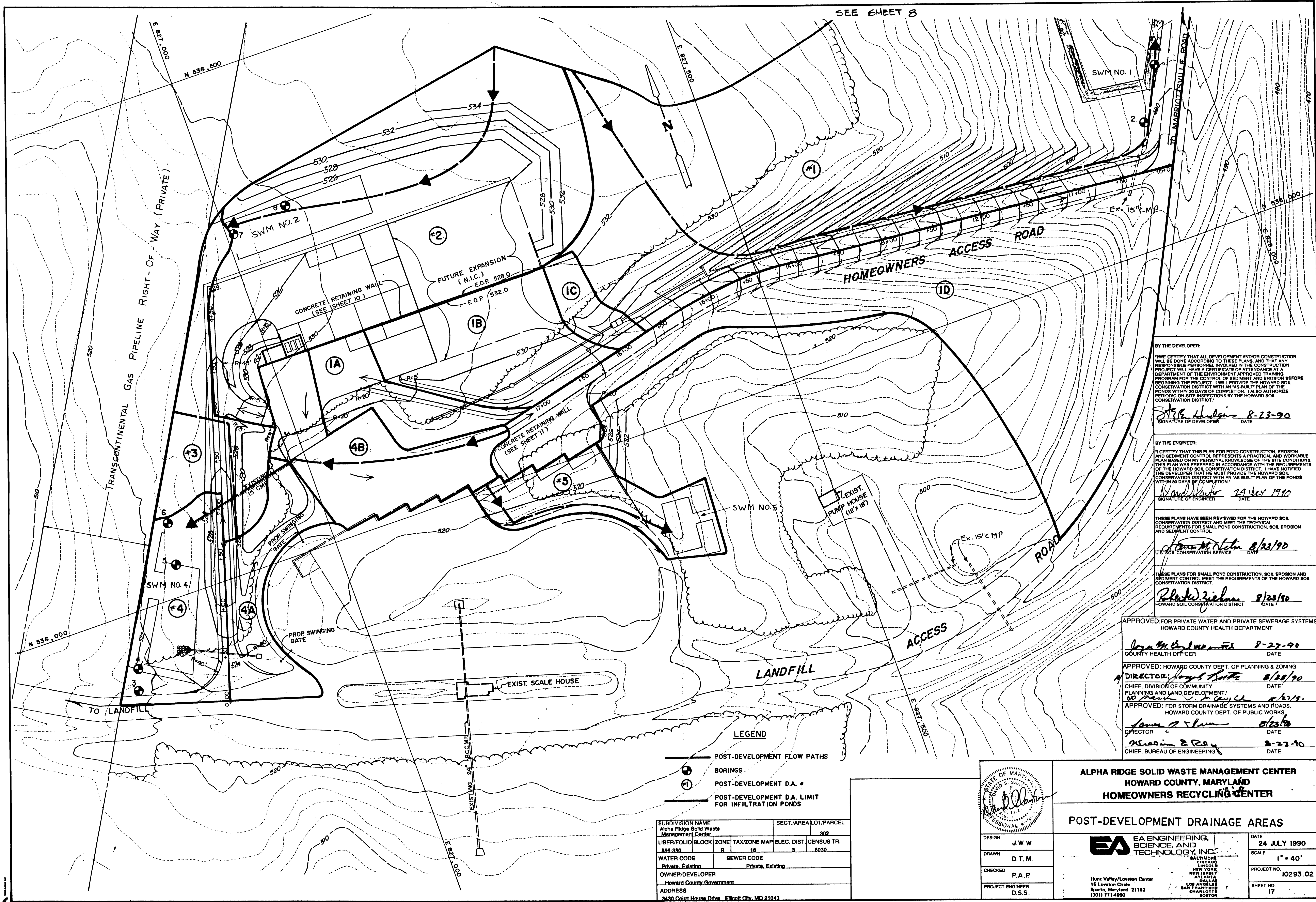


DESIGN	J. W. W.
DRAWN	D. T. M.
CHECKED	P. A. P.
PROJECT ENGINEER	D. S. S.

**ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER
 HOWARD COUNTY, MARYLAND
 HOMEOWNERS RECYCLING CENTER**

PRE-DEVELOPMENT DRAINAGE AREAS

 EA ENGINEERING, SCIENCE, AND TECHNOLOGY, INC. BALTIMORE, CHICAGO, NEW YORK, NEW JERSEY, ATLANTA, DALLAS, LOS ANGELES, SAN FRANCISCO, CHARLOTTE, BOSSILION	DATE	24 JULY 1990
	SCALE	1" = 40'
	PROJECT NO.	10293.02
	SHEET NO.	16



SEE SHEET 8

BY THE DEVELOPER:
 I HEREBY CERTIFY THAT ALL DEVELOPMENT AND/OR CONSTRUCTION WILL BE DONE ACCORDING TO THESE PLANS, AND THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE AT THE DEPARTMENT OF THE ENVIRONMENT APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT. I WILL PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE PONDS WITHIN 30 DAYS OF COMPLETION. I ALSO AUTHORIZE PERIODIC ON-SITE INSPECTIONS BY THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] 8-23-90
 SIGNATURE OF DEVELOPER DATE

BY THE ENGINEER:
 I CERTIFY THAT THIS PLAN FOR POND CONSTRUCTION, EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS. THIS PLAN WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT. I HAVE NOTIFIED THE DEVELOPER THAT HE MUST PROVIDE THE HOWARD SOIL CONSERVATION DISTRICT WITH AN "AS-BUILT" PLAN OF THE PONDS WITHIN 30 DAYS OF COMPLETION.
[Signature] 24 July 1990
 SIGNATURE OF ENGINEER DATE

THESE PLANS HAVE BEEN REVIEWED FOR THE HOWARD SOIL CONSERVATION DISTRICT AND MEET THE TECHNICAL REQUIREMENTS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL.
[Signature] 8/22/90
 U.S. SOIL CONSERVATION SERVICE DATE

THESE PLANS FOR SMALL POND CONSTRUCTION, SOIL EROSION AND SEDIMENT CONTROL MEET THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.
[Signature] 8/28/90
 HOWARD SOIL CONSERVATION DISTRICT DATE

APPROVED FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS
 HOWARD COUNTY HEALTH DEPARTMENT
[Signature] 8-27-90
 COUNTY HEALTH OFFICER DATE

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
 DIRECTOR: *[Signature]* 8/20/90
 CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT, DATE

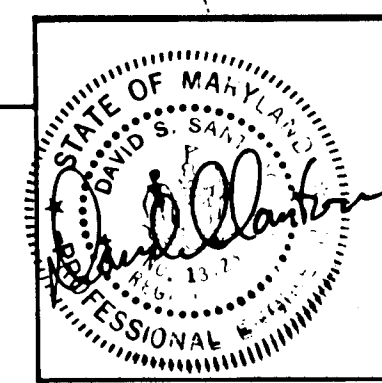
APPROVED: FOR STORM DRAINAGE SYSTEMS AND ROADS.
 HOWARD COUNTY DEPT. OF PUBLIC WORKS
[Signature] 8/23/90
 DIRECTOR DATE

[Signature] 8-23-90
 CHIEF, BUREAU OF ENGINEERING DATE

LEGEND

- POST-DEVELOPMENT FLOW PATHS
- ⊕ BORINGS
- Ⓜ POST-DEVELOPMENT D.A. #
- POST-DEVELOPMENT D.A. LIMIT FOR INFILTRATION PONDS

SUBDIVISION NAME Alpha Ridge Solid Waste Management Center		SECT./AREA/LOT/PARCEL 302	
LIBER./FOLIO/BLOCK 858-330	ZONE R	TAX./ZONE MAP/ELEC. DIST./CENSUS TR. 18 3 6030	
WATER CODE Private, Existing	SEWER CODE Private, Existing		
OWNER/DEVELOPER Howard County Government			
ADDRESS 3430 Court House Drive, Ellicott City, MD 21043			



DESIGN	J.W.W.
DRAWN	D.T.M.
CHECKED	P.A.P.
PROJECT ENGINEER	D.S.S.

ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER
 HOWARD COUNTY, MARYLAND
 HOMEOWNERS RECYCLING CENTER

POST-DEVELOPMENT DRAINAGE AREAS

	DATE 24 JULY 1990
	SCALE 1" = 40'
Hunt Valley/Lovison Center 18 Lovison Circle Sparks, Maryland 21152 (301) 771-4950	PROJECT NO. 10293.02
	SHEET NO. 17