

**SITE ANALYSIS**

- Zoning: M-1
- Area of Site: 2.410 Ac. (2.165 Ac. + 0.245 Ac. from S.H.A.)
- Number of Parking Spaces Provided: 9 + 1 HC
- Building Coverage: 0.739 Ac. (30.7%)
- Use: 3 Story Self Storage Building
- Maximum Number of Employees: 4
- Parking Spaces Required: 4 based on number of employees
- Area of Parking Lots & Private Drives: 0.7479 Ac.
- Area of Landscaped Islands: 0.0874 Ac. (11.6%)
- Green Area: 0.223 Ac. (38.3%)
- Floor Space per Floor: 16,104 sq. ft.

**NOTE:** Test pits to be dug by hand to locate Ex. 24" W at all crossings well in advance of construction.

**NOTE:** Extreme care shall be utilized when working near existing 8" Gas Line and electric cable. Test pits to be dug by hand at all crossings well in advance of construction.

- NOTES**
- 5'x5' concrete landing to be protected by bollards in paved areas.
  - Handicap access to interior unit to be via elevator.
  - Traffic flow around bldg. A shall be one way only.

**GENERAL NOTES**

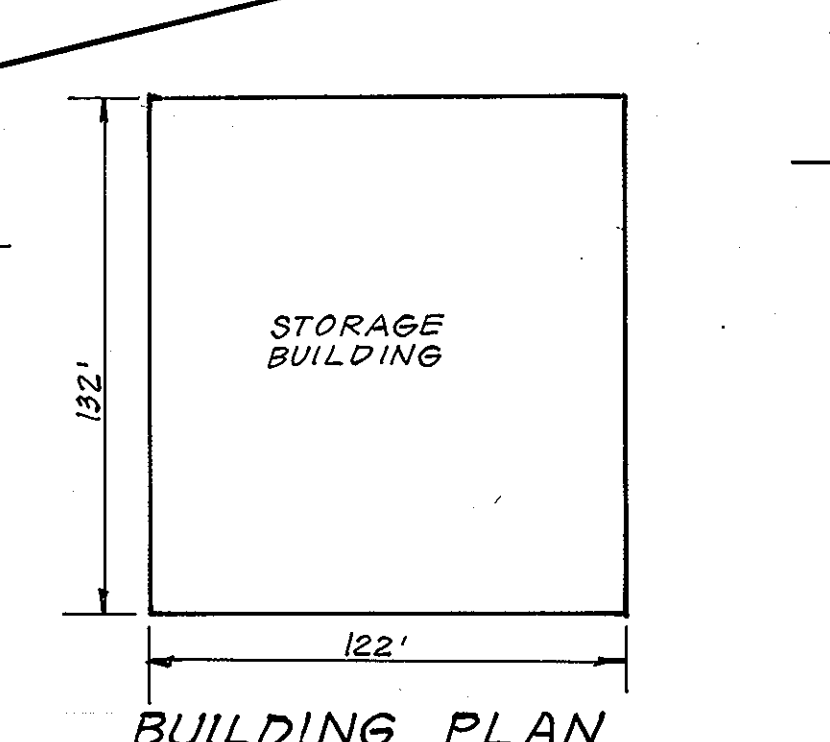
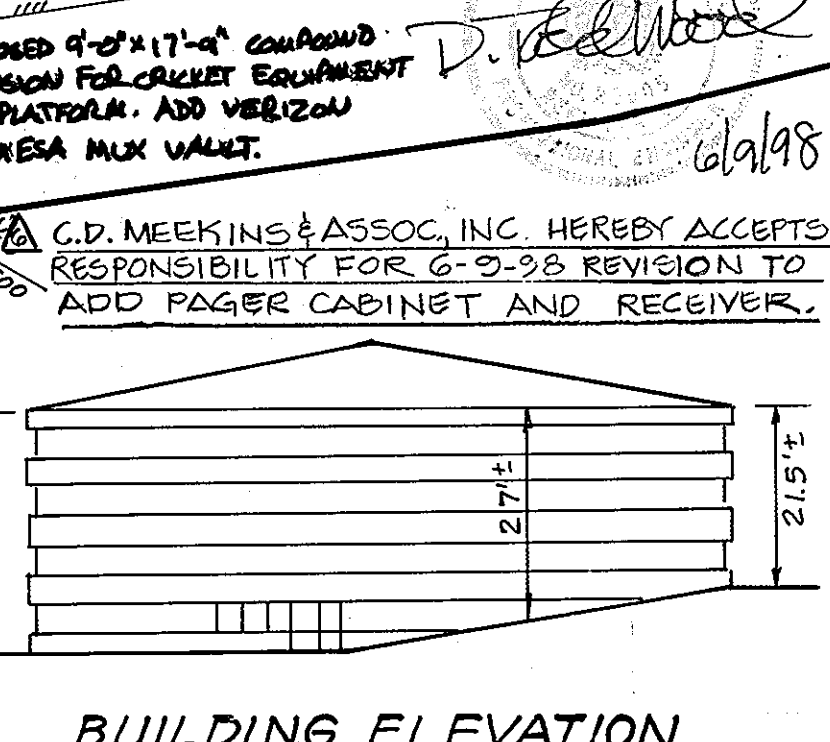
- All storm drain and paving shall be constructed in accordance with the latest edition of the specifications of H.C. Design Manual Vol. II.
- Coordinates are based on Maryland State Plane as projected by Howard County Monuments.
- All driveways are privately owned and maintained.
- Any damage to county owned rights of way to be corrected at the developer's expense.
- Installation of traffic control devices shall be in accordance with the 1984 Revised edition of the "Manual of Uniform Traffic Control."
- Topography was compiled from actual field survey.
- The area shown is located on Tax Map #41 Parcel #248.
- Trench bedding for storm drainage shall be in accordance with Howard County Std. SD G.2.01.
- Information concerning underground utilities was obtained from available records, but the contractor must determine the exact location by digging test pits, by hand, at all crossings well in advance of construction.
- The contractor or developer shall contact the Construction Inspection Survey Division 24 hrs. in advance of work at 992-2417 or 792-7272.
- All downspout drains shall be connected to storm drainage.
- The developer agrees to work with the Dept. of Licenses and Inspection to resolve any problem with roof water discharge.
- Handicap parking details shall be in accordance with the "Maryland Building Code for the Handicapped," Sec 5.01-7.05 and det's sht. 2.
- This plan is subject to Board of Appeals Case No. 85-25 V.
- Deed Reference: L 2007 F0001 & L 2077 F 222.
- Notify all Utility Companies 24 hrs in advance of construction.
- All construction methods and materials for the on-site private W/S system shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Std. Details and Specs. where necessary.
- The type of pipe used for the sewer house connection shall be the same as the public portion.
- This facility shall be restricted to storage use only. Any change in use shall require approval by Howard County Dept. of Planning & Zoning.
- Outside Storage shall not be allowed within any building restriction line, required landscape area, and/or open space area.
- All Water Mains shall be D.I.F. Class 52.
- All Water Mains shall have a minimum of 3.5' of cover.
- Areas where water house connections are to be built shall be at final grade and connections shall be laid with a min. of 3.5' of cover.
- Block all fittings with concrete.
- The pvc pipe used for storm drainage shall be constructed in accordance with general note #17.
- Howard County Dept. of Planning & Zoning References: BA 86-51V, SDP 88-89, BA 88-25V, & WP 89-172.
- Public Telephone (s) shall be provided on site. Exact location to be determined by field conditions.

**BA 88-25 V DECISION AND ORDER CONDITIONS OF APPROVAL**

- The petitioner comply with all applicable County, State and Federal laws.
- No hazardous chemicals, as defined in Article 89 Section 32 C of the Annotated Code of Maryland (1957) (1988 Cum. Supp.) shall be stored in or on the subject property or improvements.
- The petitioner keep as many of the trees existing upon this property as possible.
- The petitioner acquire the triangular parcel of land fronting the southern portion of the subject property containing approx. .245 Ac. from the state.
- The petitioner comply with all applicable County sign regulations concerning any and all signs on the subject property and improvements.
- The petitioner create the landscape buffer indicated on the site plan with evergreen trees of at least 6 to 8 feet in height, maintaining the existing tree cover indicated between the property and the S.H.A. property to the southwest as indicated in the Petitioner's plan, and providing other landscape buffering and screening along U.S. Route 29 ramp and Old Columbia Road in accordance with Section 118.E of the Zoning Regulations; said Landscape treatments shall be specified on a site development plan to be submitted to the Office of Planning & Zoning for its review & approval; said buffering and screening shall be maintained & replaced when necessary in perpetuity.
- The site development plan to be submitted to the Office of Planning and Zoning for review and approval shall also include the exterior architectural treatment of the proposed bldgs; including, but not limited to, accurately scaled elevations, description of materials used on the exterior, and cross sections showing the relationship of the buildings to adjacent properties and U.S. Route 29 ramp.
- The variance shall apply only to the two (2) buildings and parking being requested and not to any new structures, facilities or parking on the subject property or to any additions thereto.
- The petitioner provide one or more public telephones on the property.
- None of the leased areas of the buildings be used for office space, living quarters or overnight accommodations.
- The hours of operation be limited to no earlier than 9:00 a.m. and no later than 1:00 p.m. Mondays thru Saturdays, and no earlier than 12:00 noon and no later than 5:00 p.m. on Sundays.
- All bathroom facilities shall be for the use of employees only.
- The number of employees shall not exceed four (4) on the site at one time.

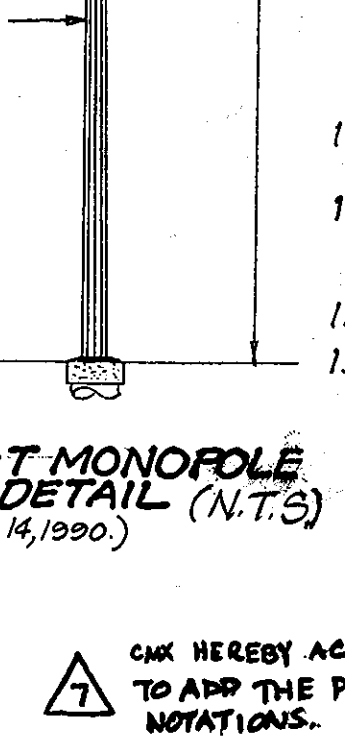
**NOTES:**

- THE PETITIONER SHALL COMPLY WITH ALL APPLICABLE FEDERAL, STATE AND COUNTY LAWS AND REGULATIONS.
- THE GRANTED VARIANCE SHALL APPLY SOLELY TO THE PROPOSED MONOPOLE AND COMPOUND, AND NOT TO ANY OTHER STRUCTURES, ADDITIONS, OR USES.
- THE MONOPOLE SHALL BE GREY OR A SIMILAR COLOR THAT PROVIDES VISIBILITY UNLESS A DIFFERENT COLOR IS REQUESTED BY THE FEDERAL COMMUNICATIONS COMMISSION OR THE FEDERAL AVIATION ADMINISTRATION.
- NO SIGNALS OR LIGHTS SHALL BE PERMITTED ON THE MONOPOLE, UNLESS REQUESTED BY THE FEDERAL COMMUNICATIONS COMMISSION OR THE FEDERAL AVIATION ADMINISTRATION.
- THE MONOPOLE SHALL BE REMOVED FROM THE SITE WITHIN ONE (1) YEAR OF THE DATE THAT THE USE CEASES.
- THE MONOPOLE SHALL BE MADE AVAILABLE FOR COORDINATION OF OTHER ANTENNAS BY DIFFERENT FIRMS WHEN FEASIBLE.



**WETLAND NOTES:**

- The following permits have been obtained:
  - Nationwide permit, Section 404 of the Clean Water Act, issued May 12, 1988 from U.S. Army Corps of Engineers.
  - Maryland Department of the Environment WQC 88-WQ-0320 issued 5/31/88.
- A waiver from section 10.116.C.6 of the Howard County Subdivision and Land Development Regulations has been applied for on Nov. 8, 1989. (WP-90-55 Approved March 4, 1990)
- The purpose of the wetland buffer line established on this plan is to create the maximum practical undisturbed distance from the unfilled portion of the non-tidal wetlands on site.
- No clearing, grading or construction is permitted within the wetlands buffer except as approved per WP-90-55.



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

**APPROVED:** HOWARD COUNTY DEPT. OF PLANNING & ZONING

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

**DEVELOPERS/BUILDERS CERTIFICATE**

I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents as are deemed necessary.

**REVISIONS**

Added 7'x10' concrete pad to house 2 equipment cabinets.	2-17-97
ADDED COMMUNICATIONS MONOPOLE & COMPOUND	9-22-95
Revise WHC to Bldg. A	
Added note regarding Concrete Apron	11-6-90

**ENGINEER'S CERTIFICATE**

I HEREBY CERTIFY TO THE BEST OF MY KNOWLEDGE AS BUILT ACCURACY AND COMPLETENESS AS TO PIPE INVERTS AND MATERIAL WHERE VISIBLE, AND THAT THE FACILITY AS CONSTRUCTED MEETS THE REQUIREMENTS OF THE PLANS AND SPECIFICATIONS AS STATED ABOVE.

I HEREBY CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT.

LOT NO.	STREET ADDRESS	WATER CODE	SEWER CODE
PARCEL 248	10400 Old Columbia Road	E 13	520000

**CLARK • FINEPROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS

7135 MINSTREL WAY • COLUMBIA, MD. 21045 • (301) 381-7500 • BALTO. • (301) 621-8100 • WASH.

**SITE DEVELOPMENT PLAN**

**SCALE** 1"=30'

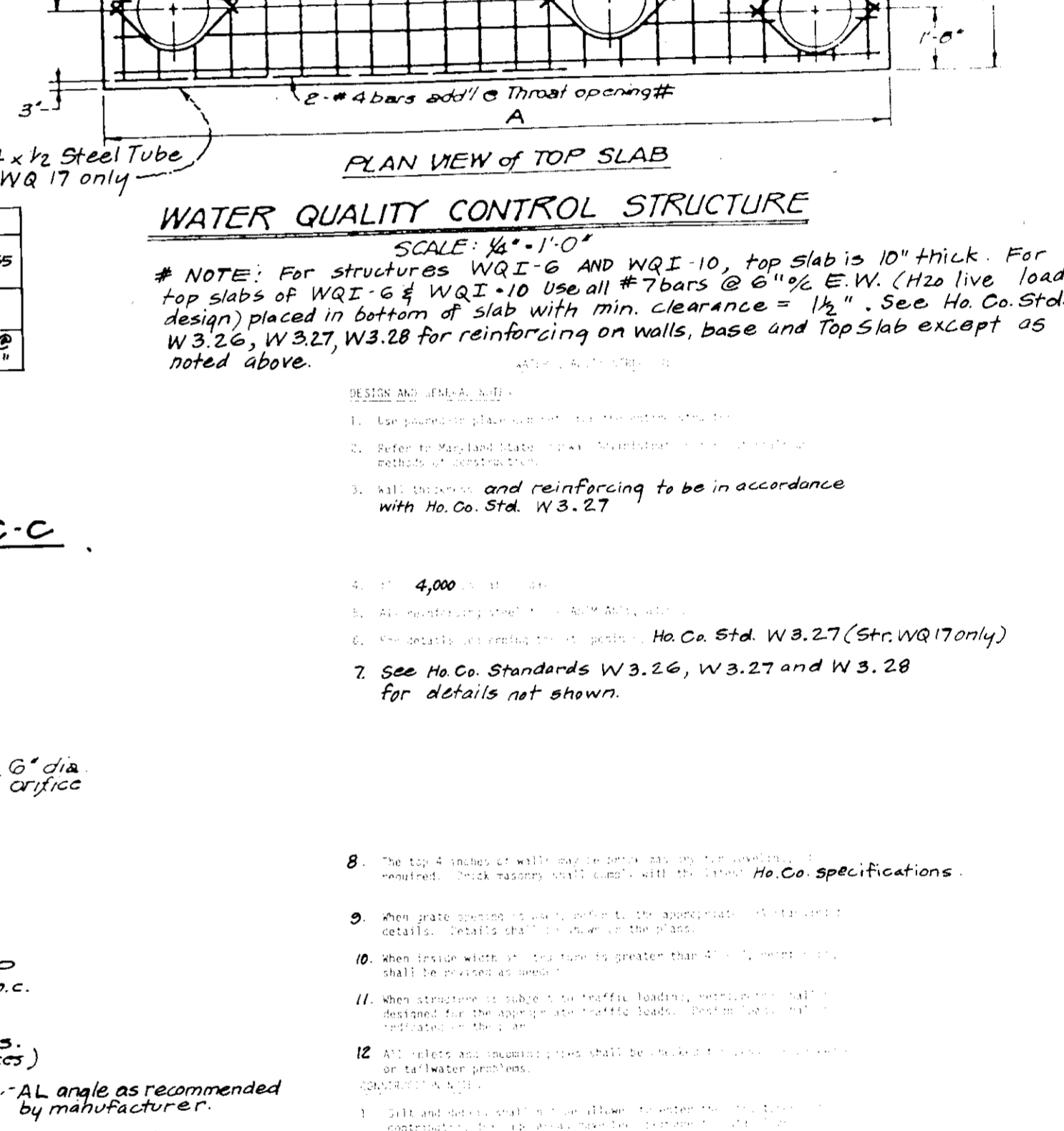
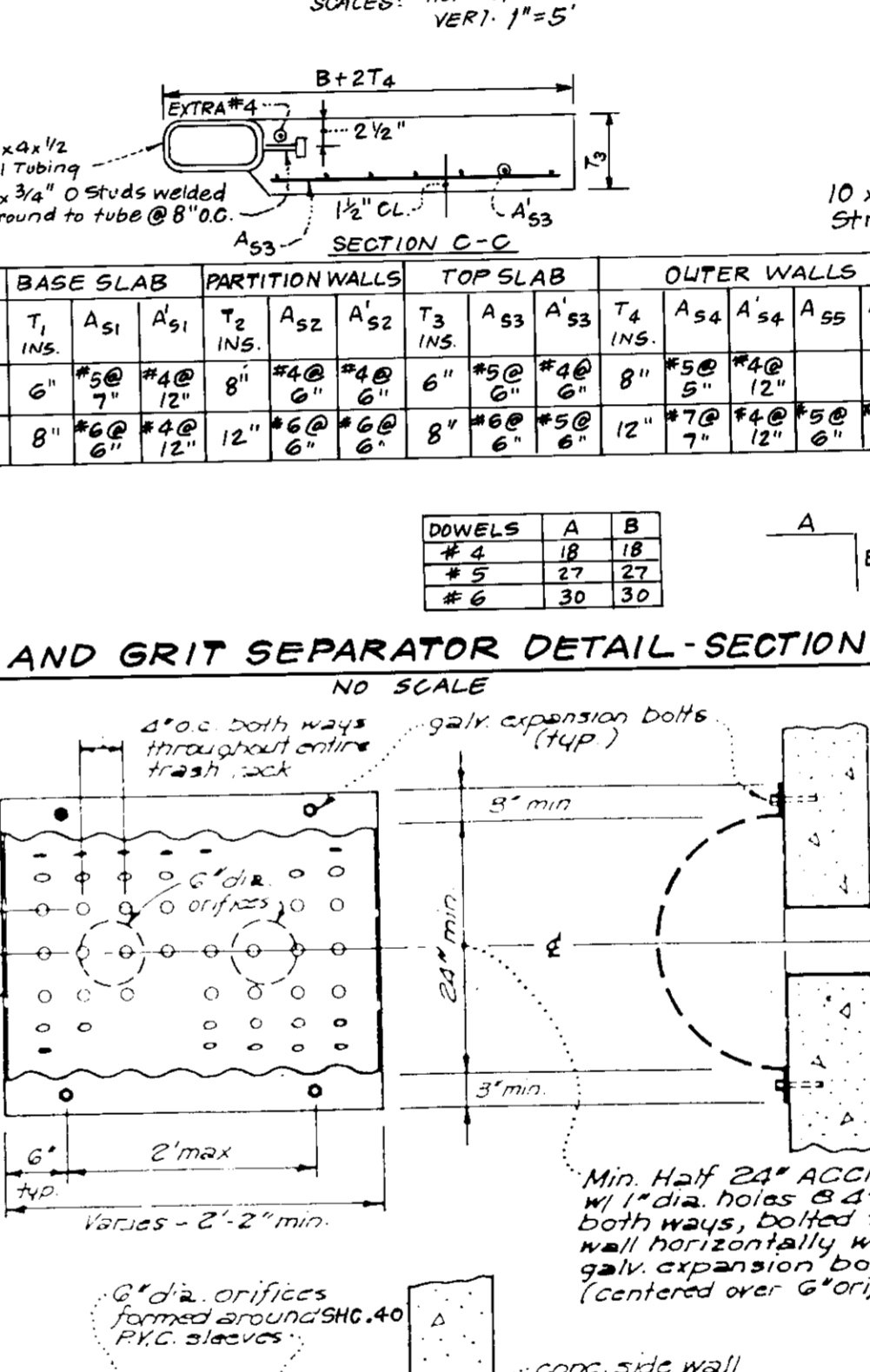
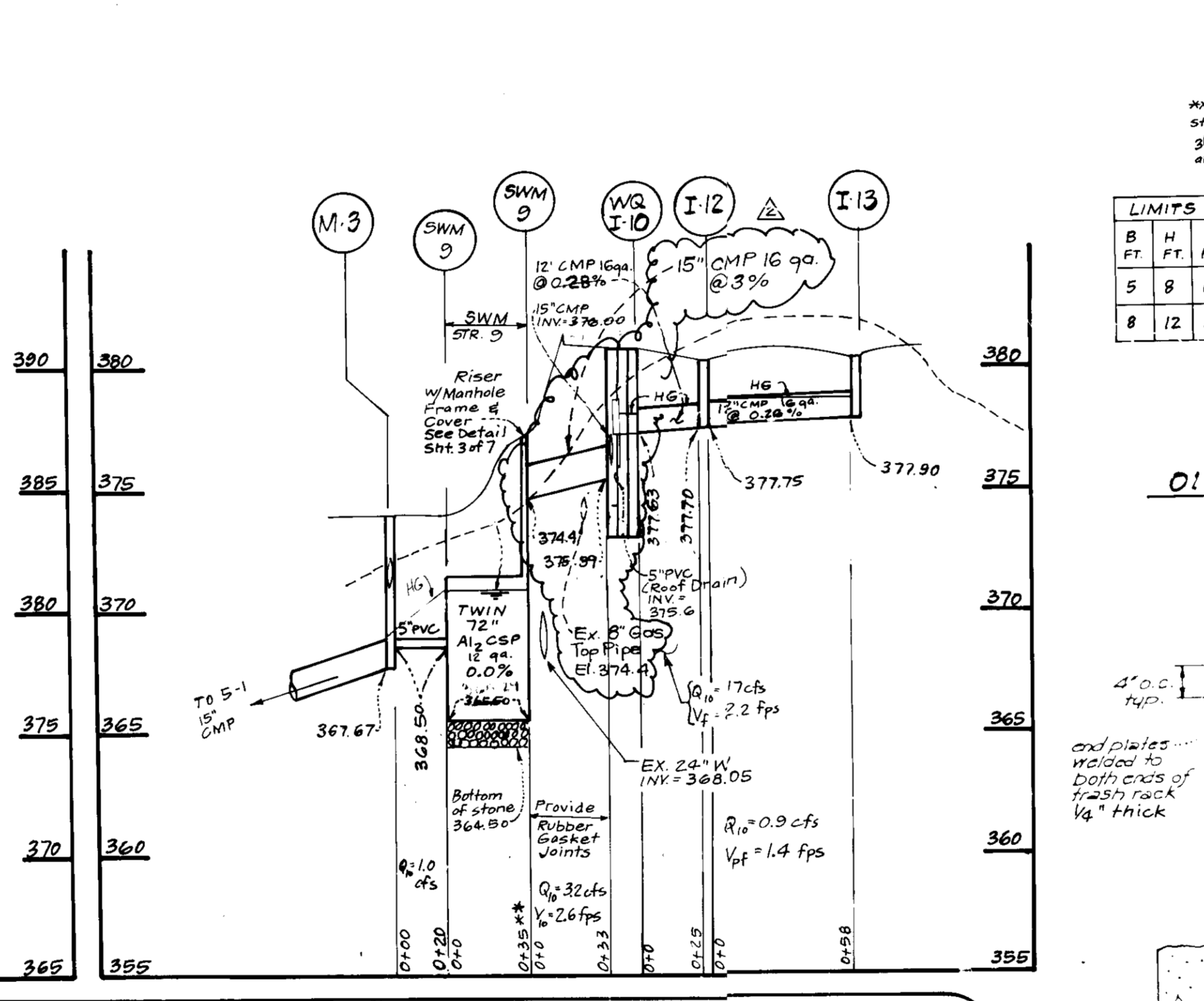
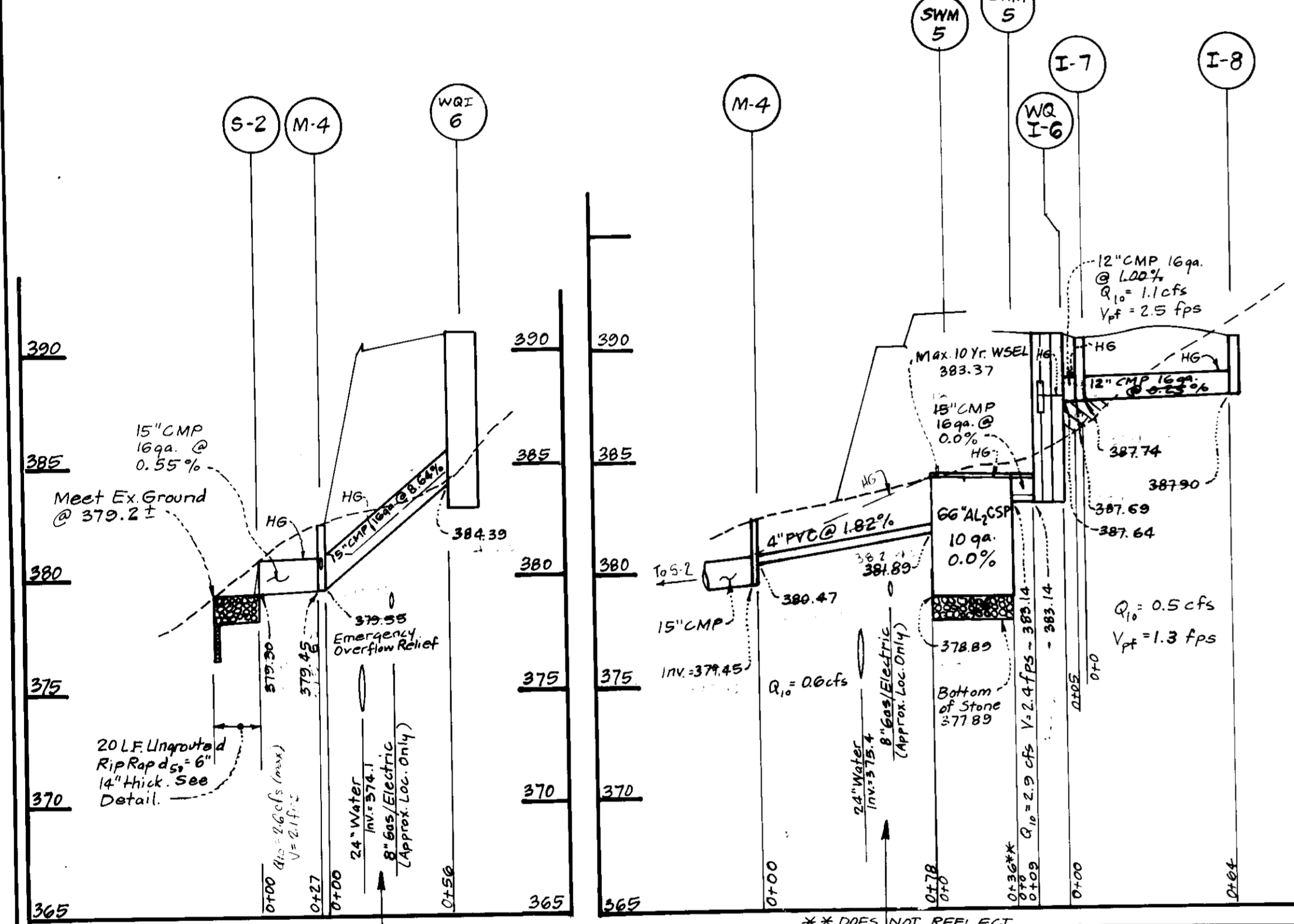
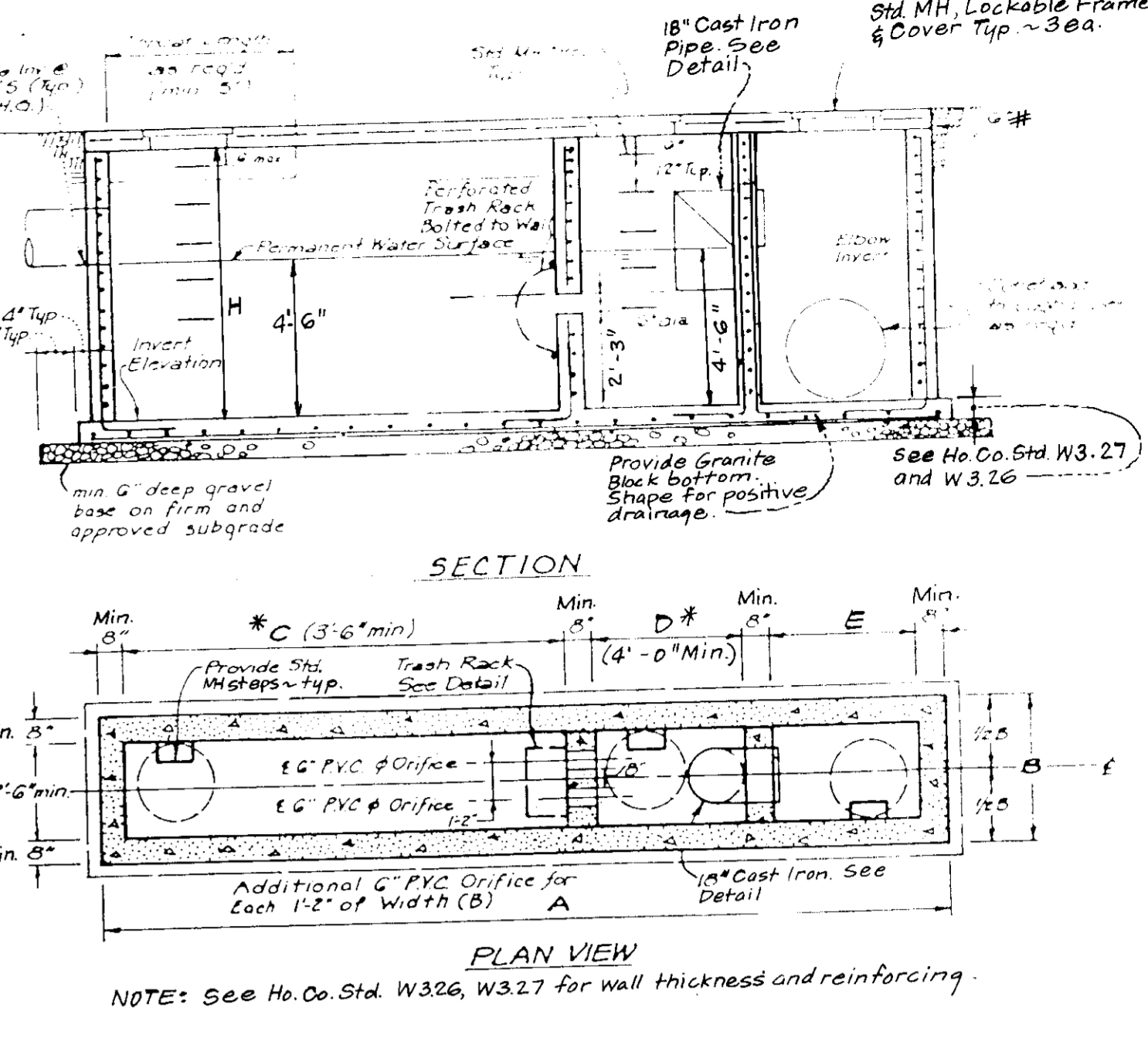
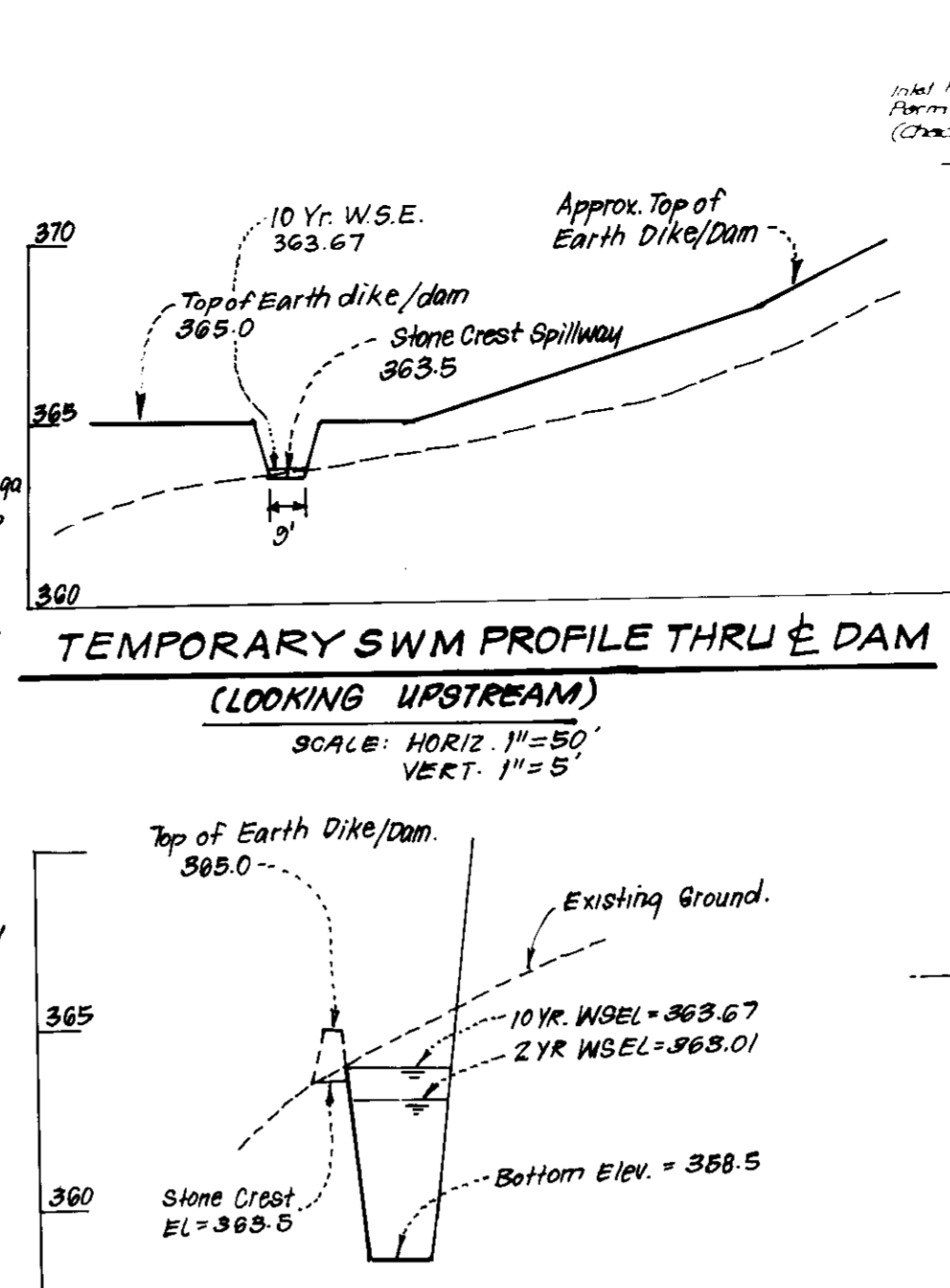
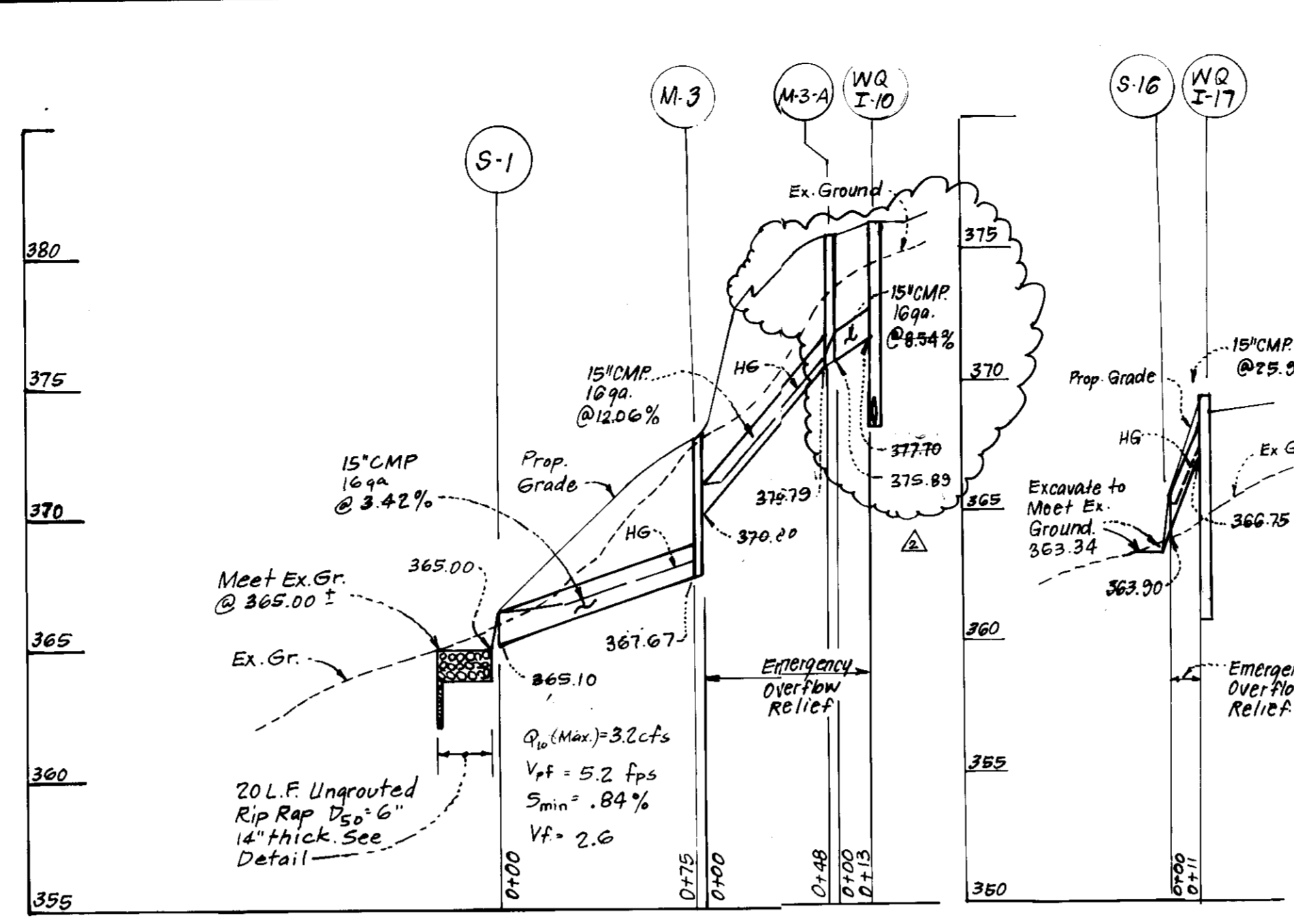
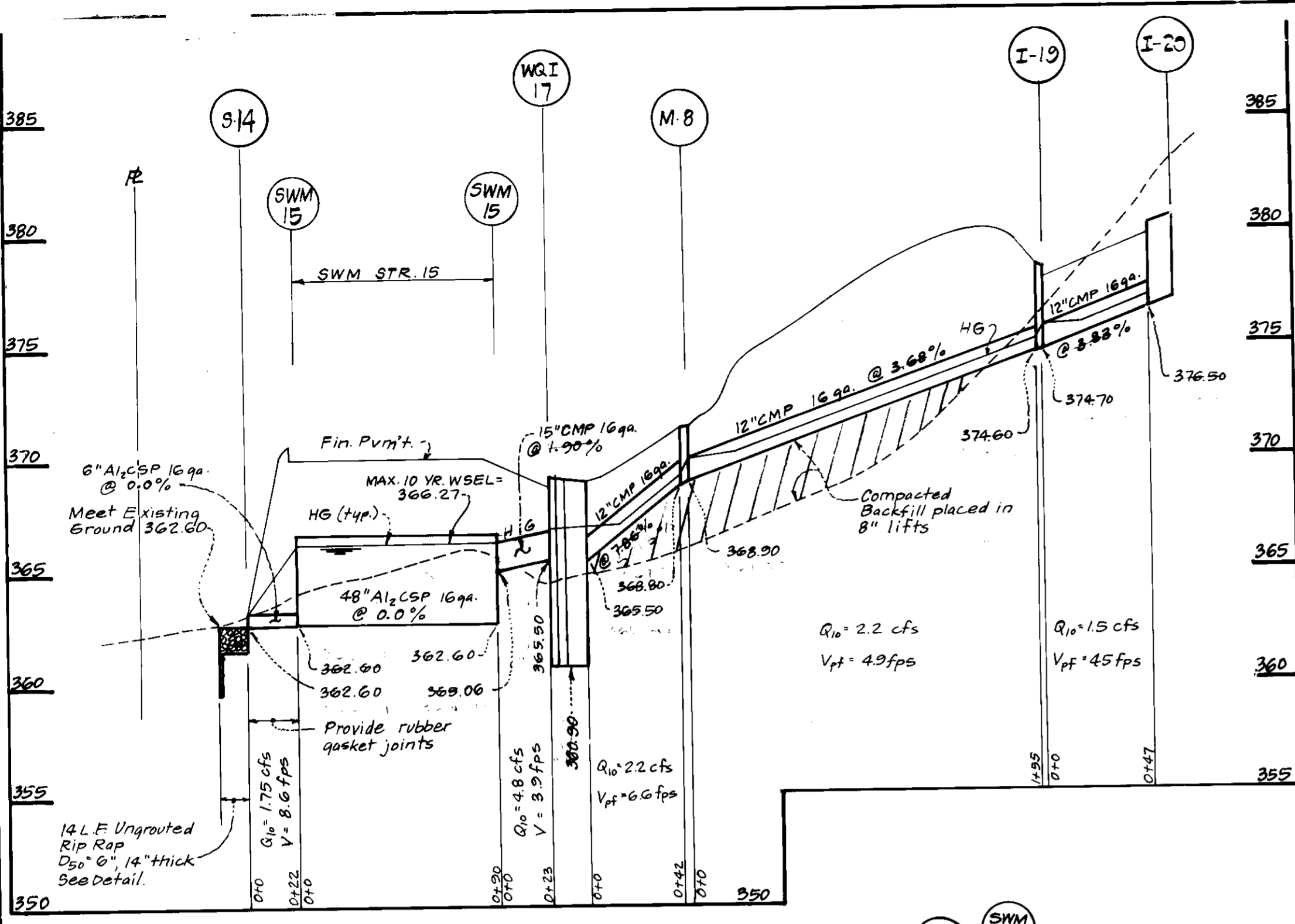
**DRAWING** 10F 7

**JOB NO.** 87.014

**FILE NO.** 87.014-X

**REVISIONS**

Added 7'x10' concrete pad to house 2 equipment cabinets.	2-17-97
ADDED COMMUNICATIONS MONOPOLE & COMPOUND	9-22-95
Revise WHC to Bldg. A	
Added note regarding Concrete Apron	11-6-90



NOTE: Test Pits to be dug by hand to locate existing 8" Gas/Electric and Ex. 24" Water at all crossings. Wall in advance of construction.

Str. No.	Drain Area (Ac.)	Volume Req'd (c.f.)	Volume Provided (c.f.)	DIMENSIONS								Floor Slab Elev.	18" Elbow Inv.	Throat Length Reg'd	Top Slab Elevation	
				A	B	C*	D*	E	F	H	UPPER				LOWER	
WQI-6	0.25	50	75.00	16'-8"	3'-10"	6'-0"	4'-0"	4'-0"	6'-8"	6'-11 1/2"	383.14	387.64	N/A	390.05		
WQI-10	0.20	40	75.00	16'-8"	3'-10"	6'-0"	4'-0"	4'-0"	6'-8"	7'-2"	373.13	377.63	N/A	387.13		
WQI-17	0.70	140	144	18'-8"	5'-4"	8'-0"	4'-0"	4'-0"	8'-8"		369.90	368.40	5'-0"	369.20	369.00	

BASE SLAB	PARTITION WALLS	TOP SLAB	OUTER WALLS
B 5 FT	A1 10 FT	A2 10 FT	T1 10 FT
H 8 FT	T2 8 FT	A3 8 FT	A4 8 FT
L 12 FT	A5 12 FT	T3 12 FT	A6 12 FT

NO.	A	B
#1	18	18
#2	27	27
#3	30	30

Rev SD WQI-10 to M-3A, WQI-10 to SWM 9 11-6-90

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

APPROVED FOR PLANNING AND ZONING

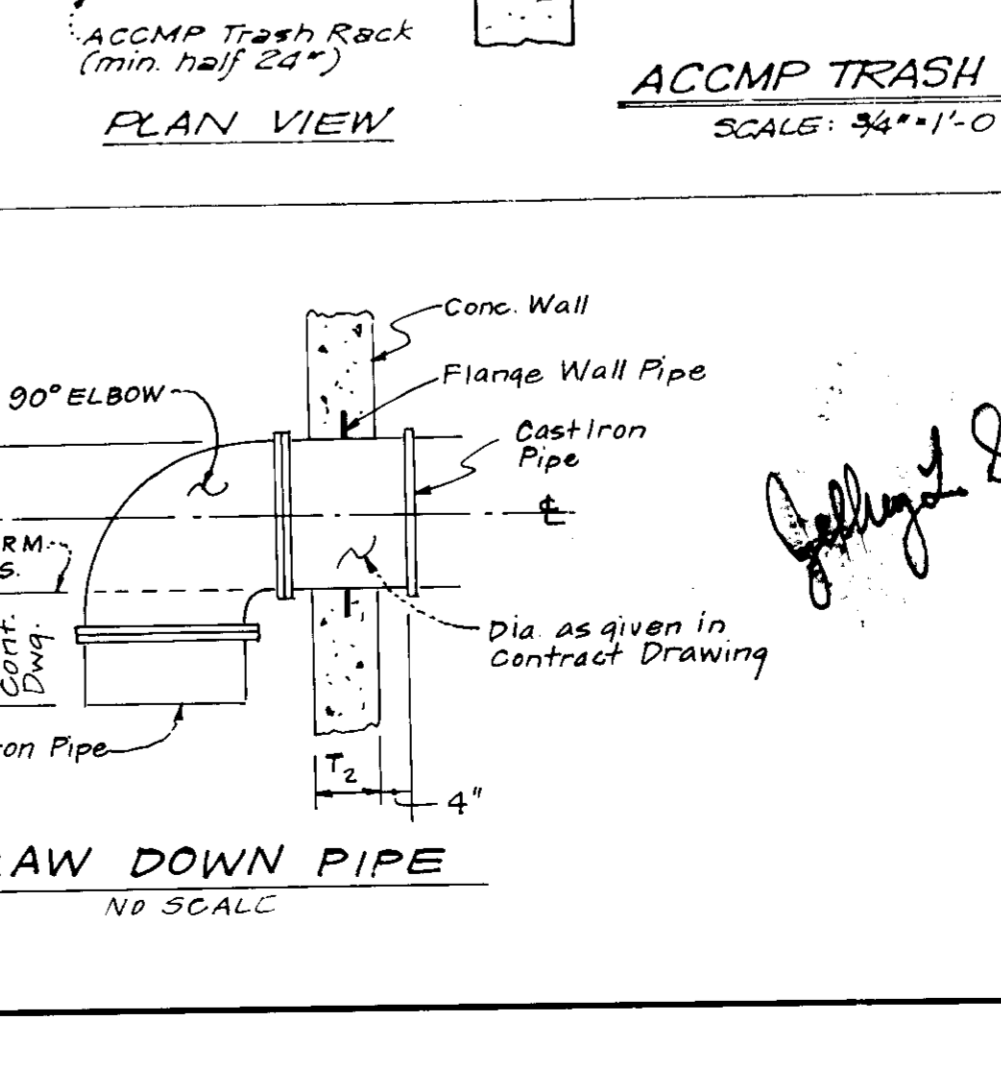
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

STATE OF MARYLAND

DEVELOPER'S/BUILDER'S CERTIFICATE

ENGINEER'S CERTIFICATE

John L. Schwab 3/28/90



CLARK • FINEROCK & SACKETT, INC.

ENGINEERS • PLANNERS • SURVEYORS

SITE DEVELOPMENT PLAN

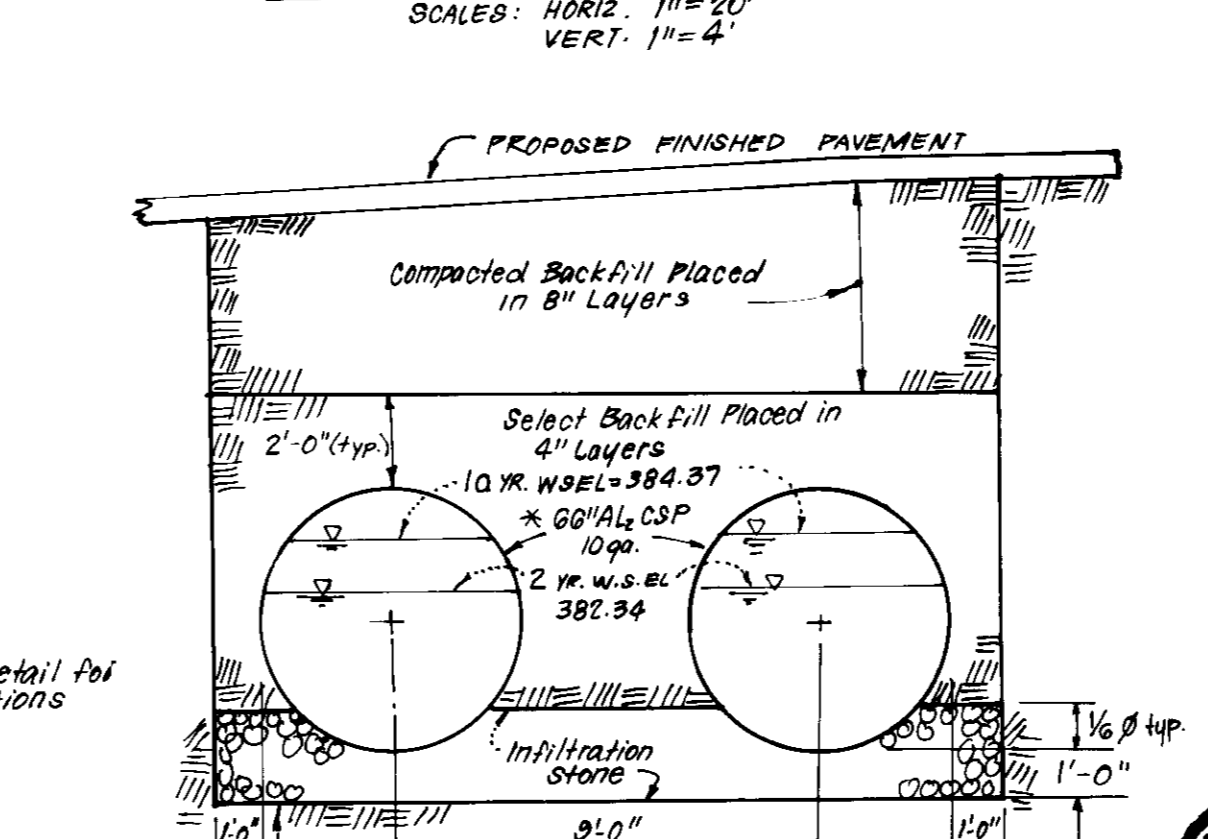
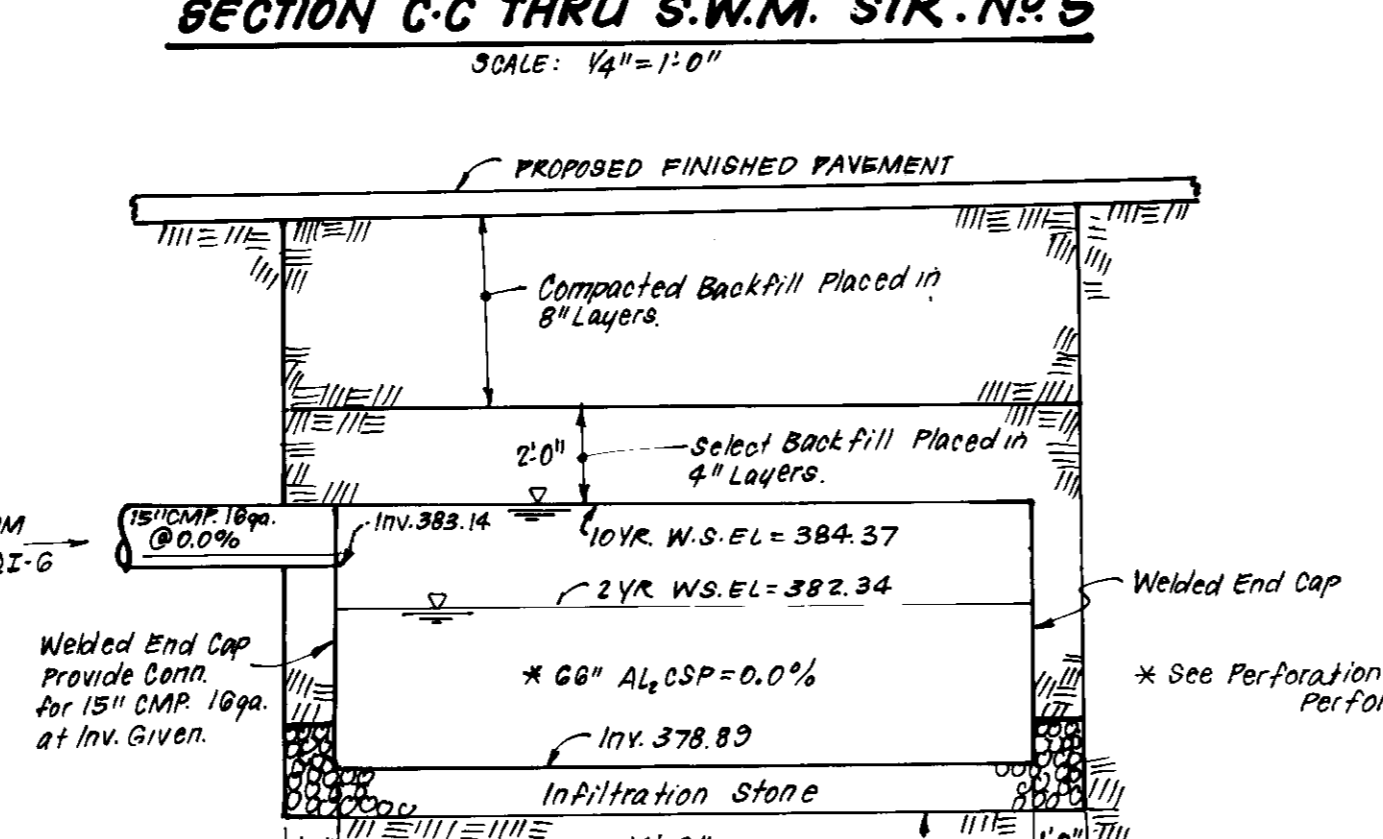
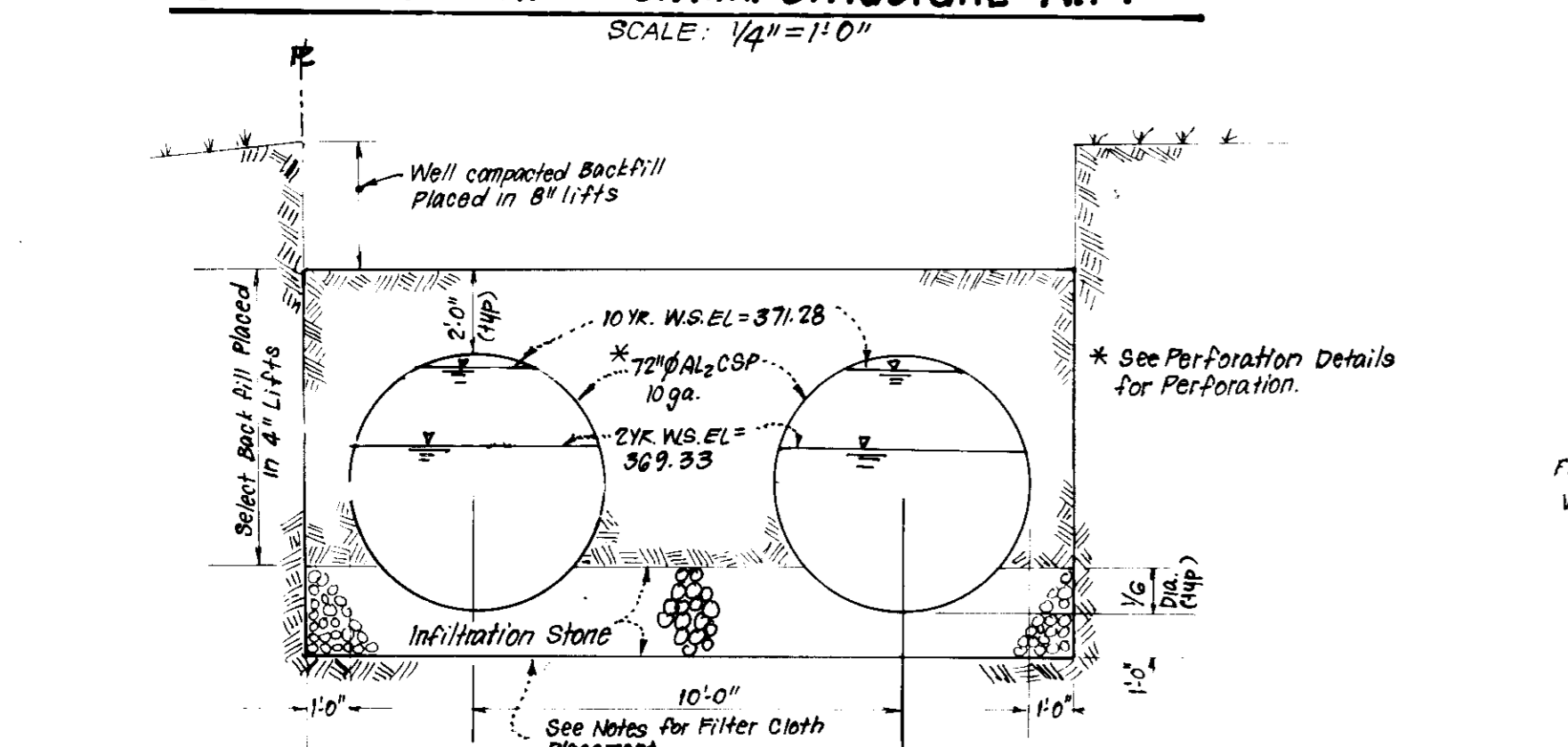
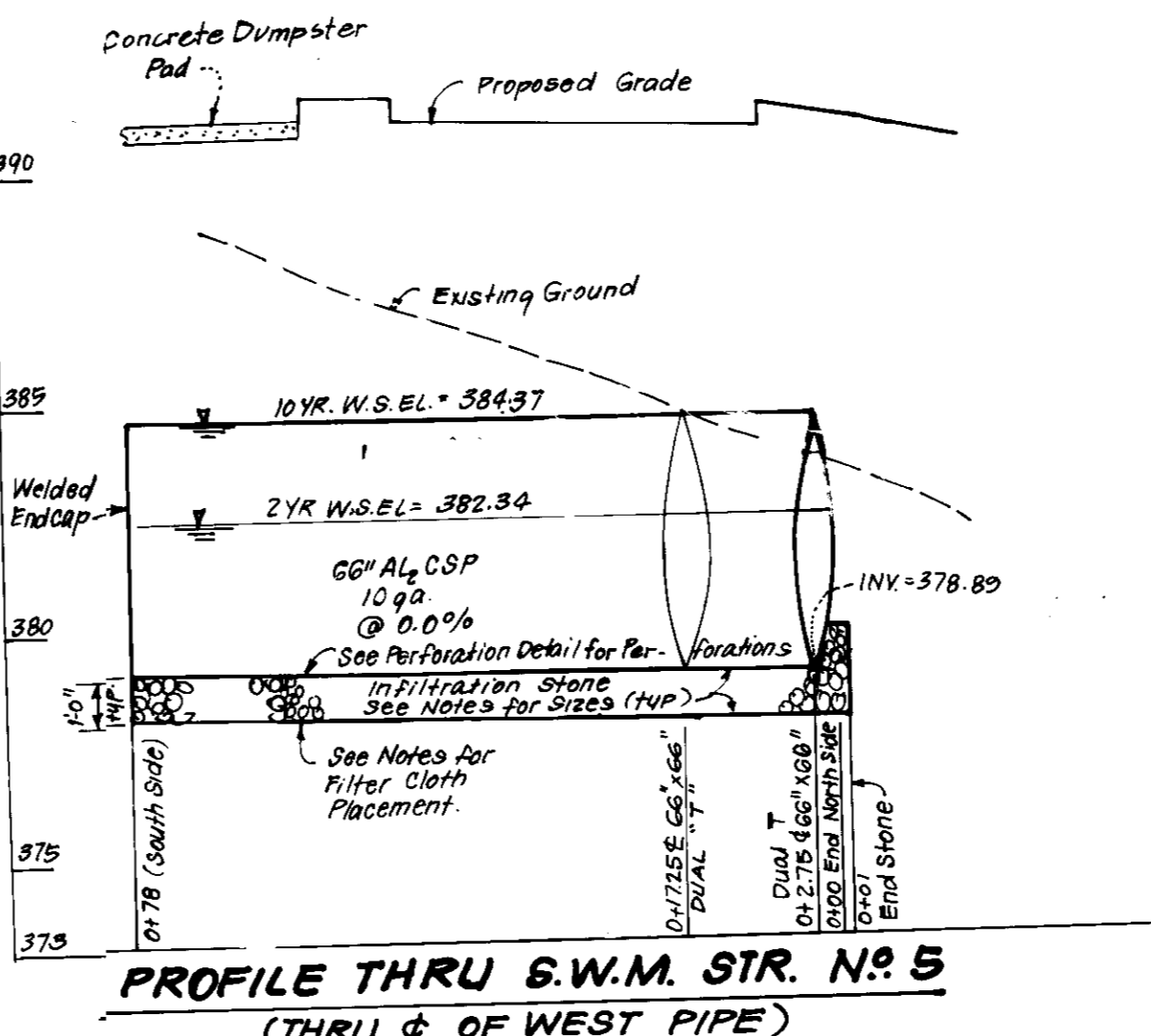
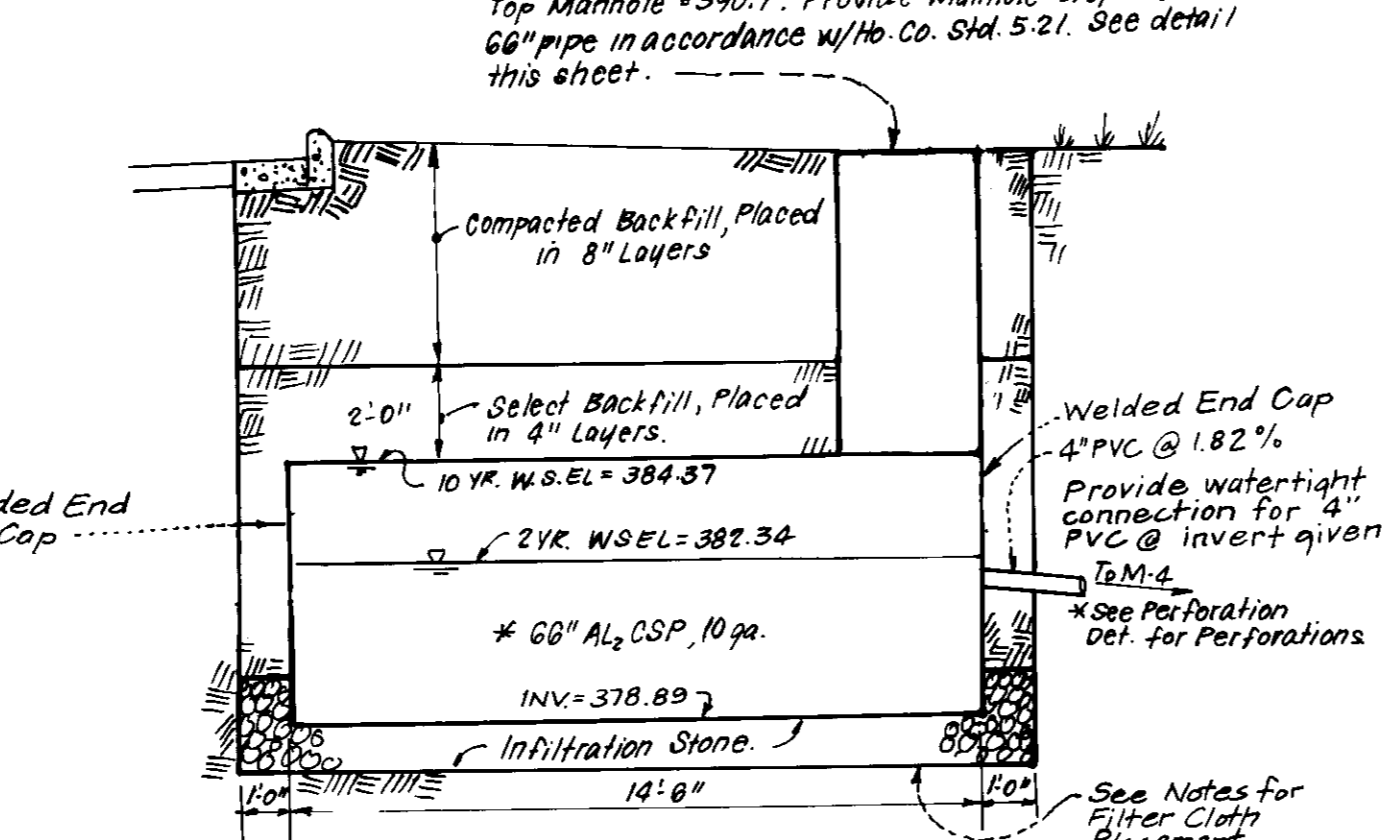
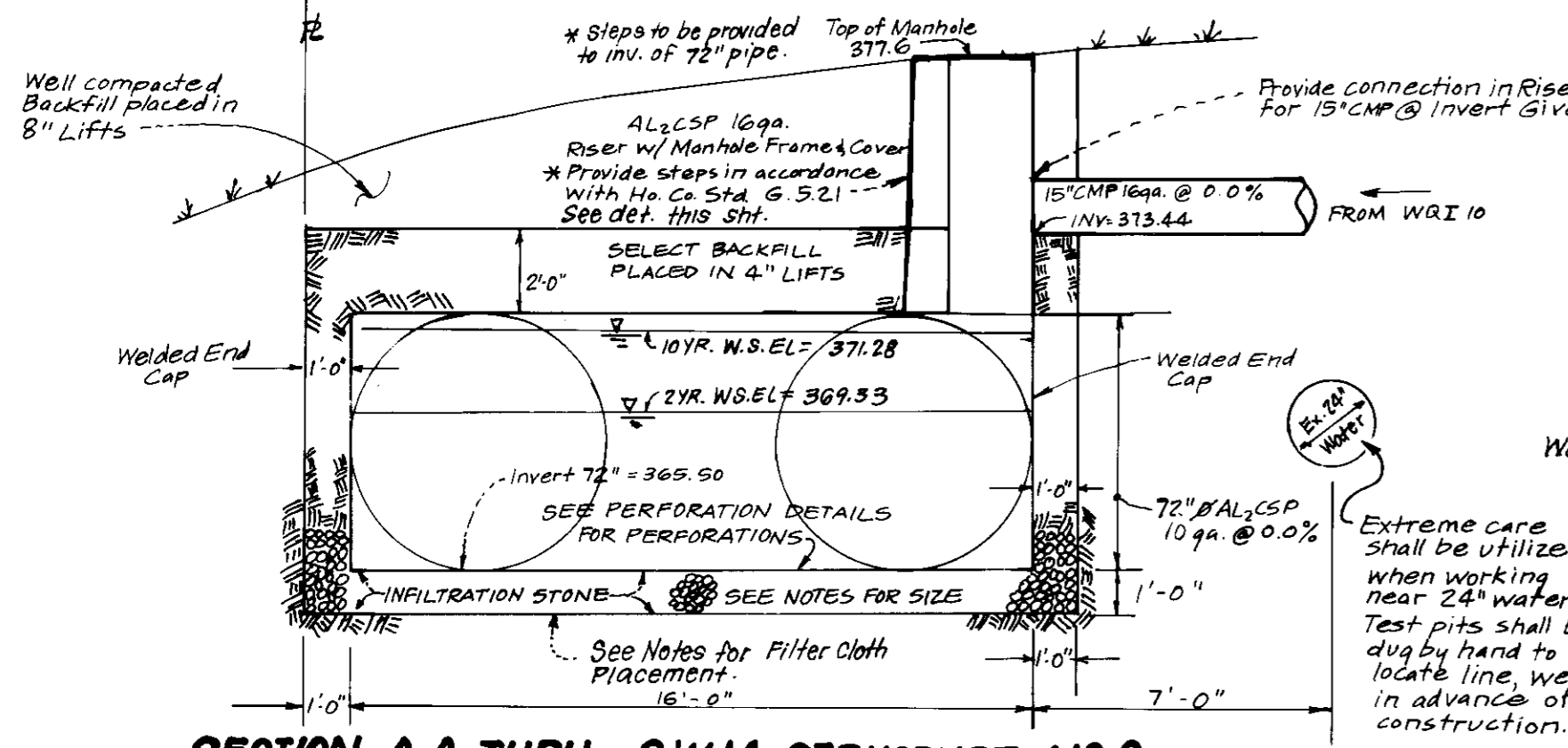
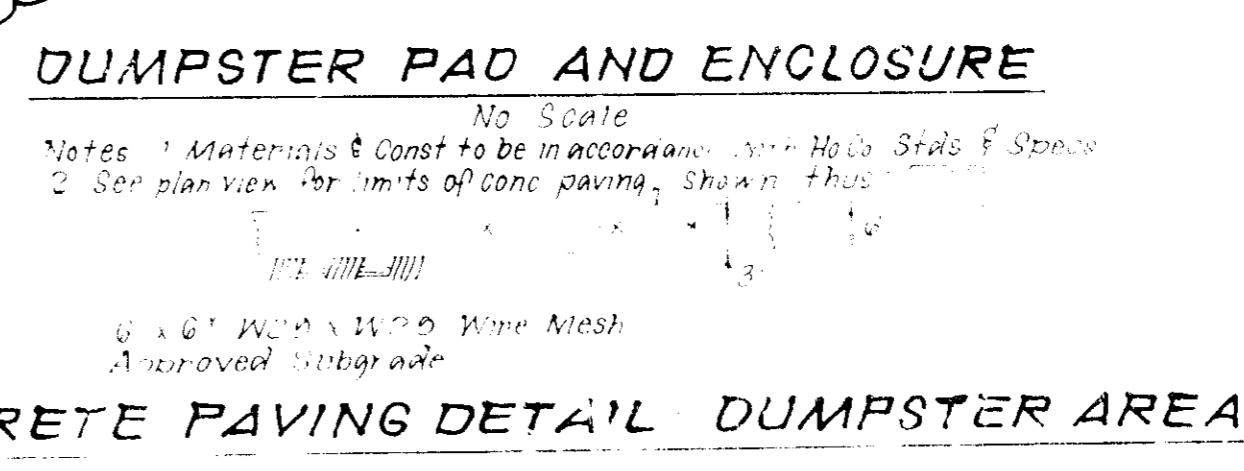
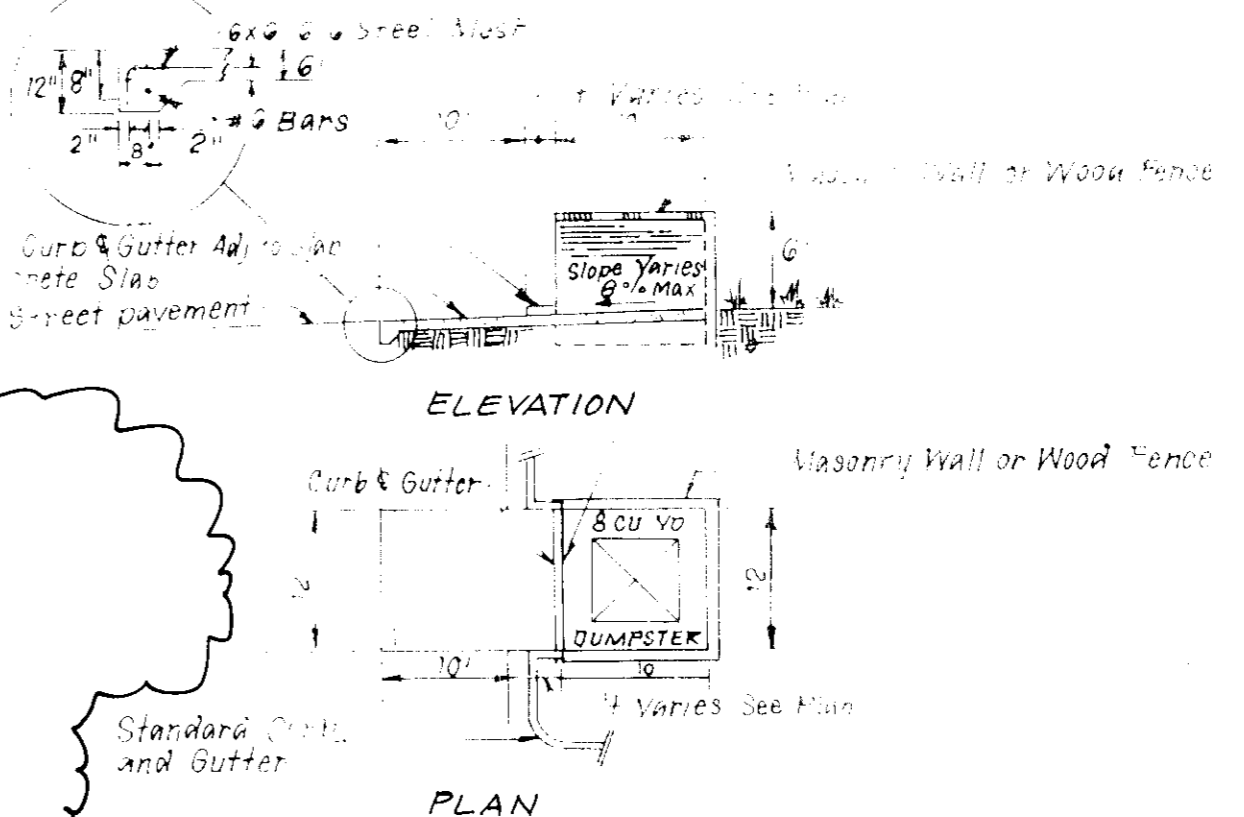
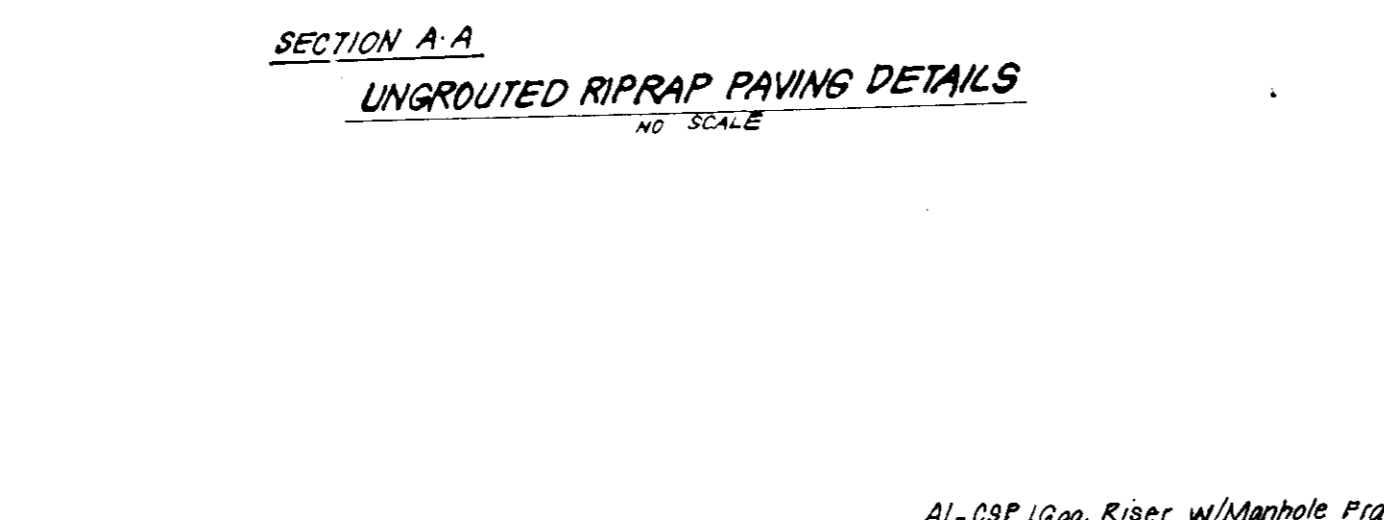
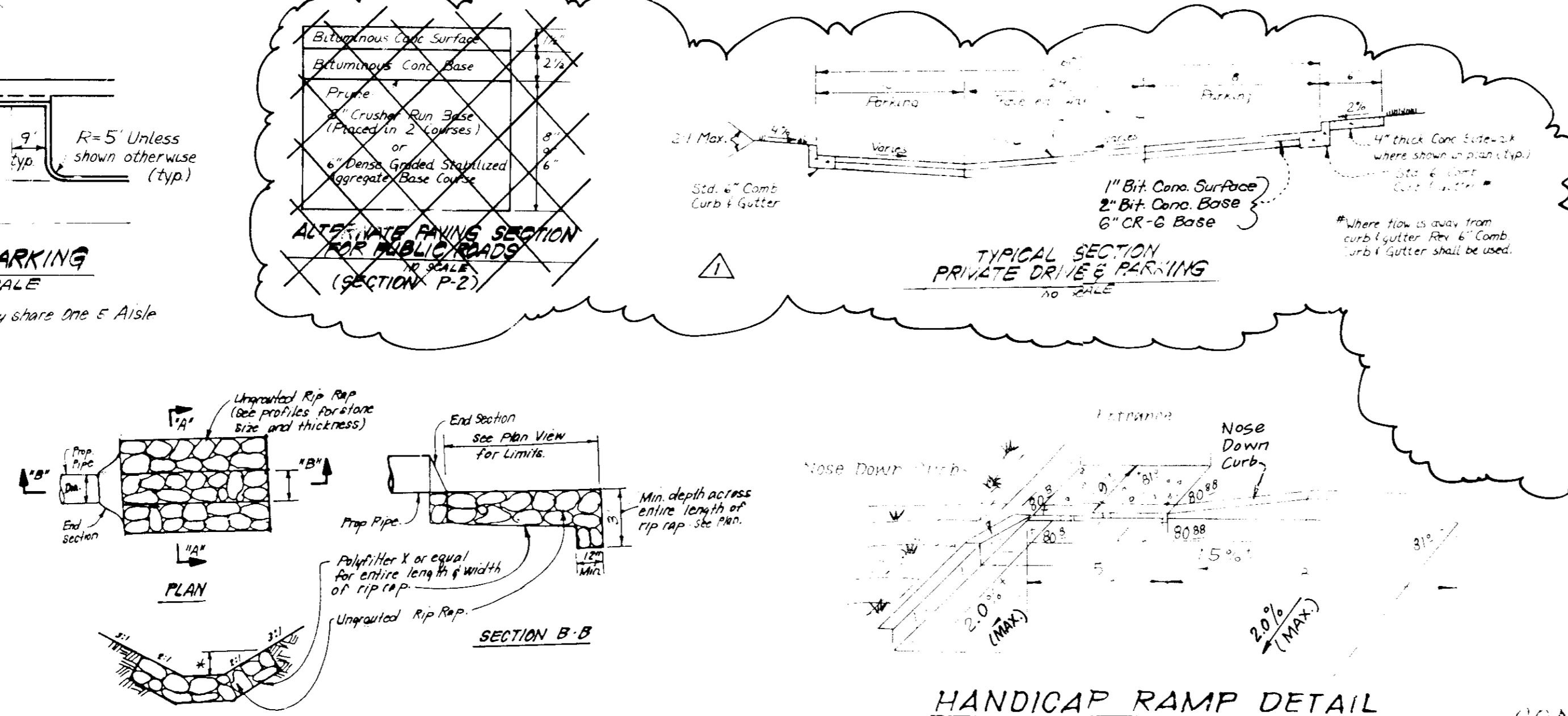
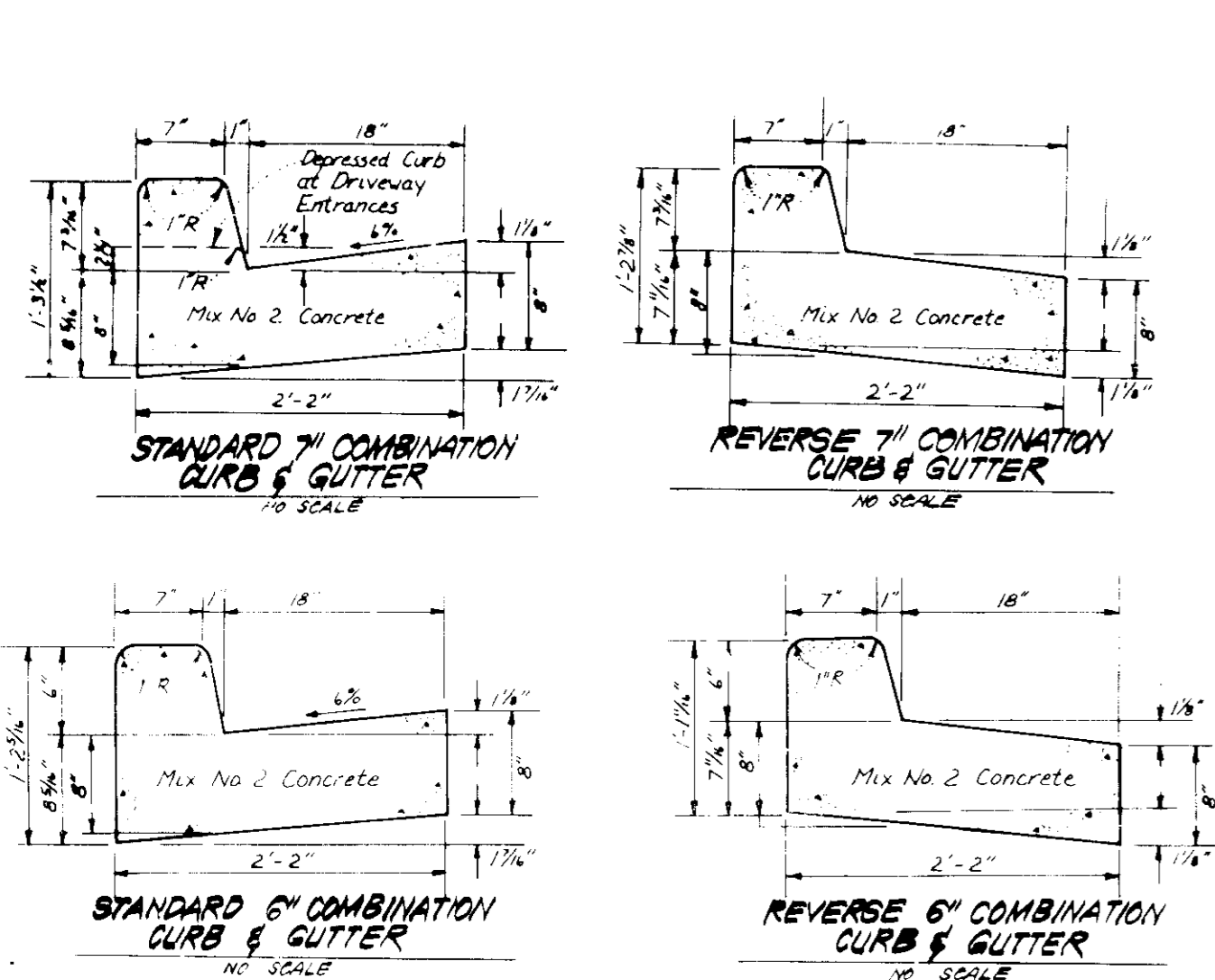
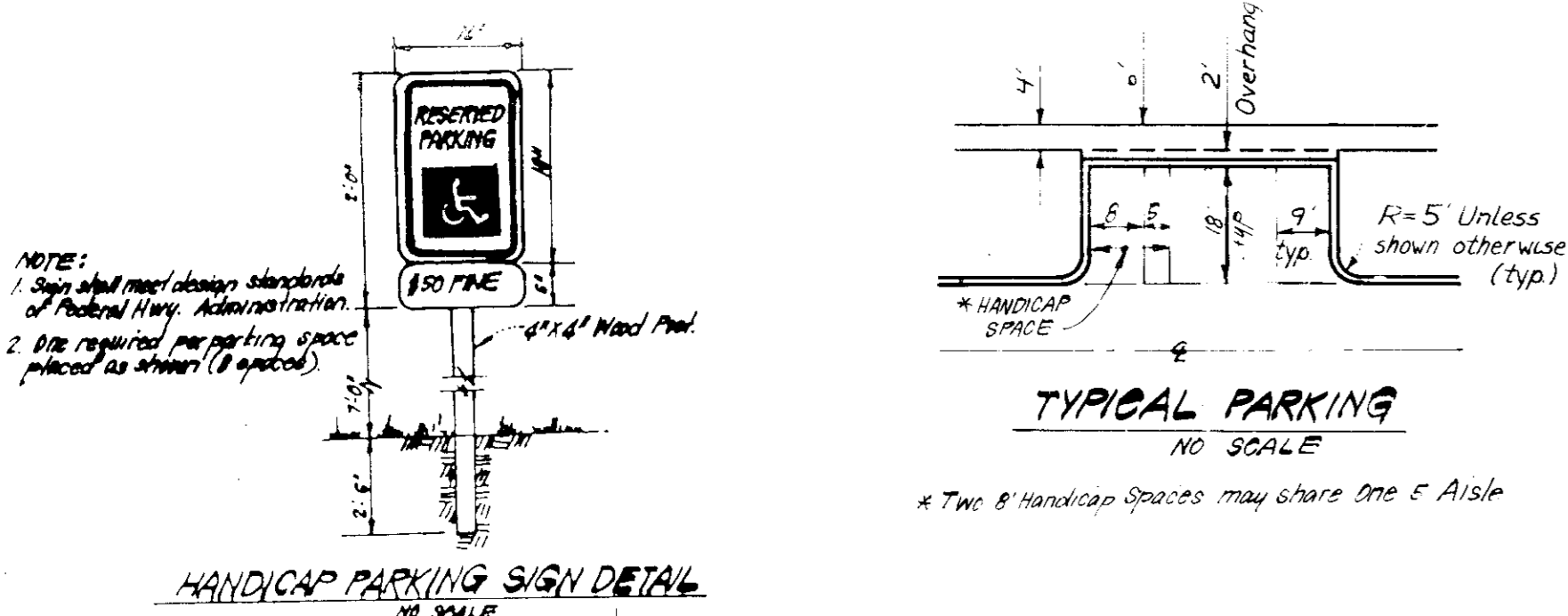
SELF STORAGE FACILITY

PARCEL # 248 TAX MAP # 41

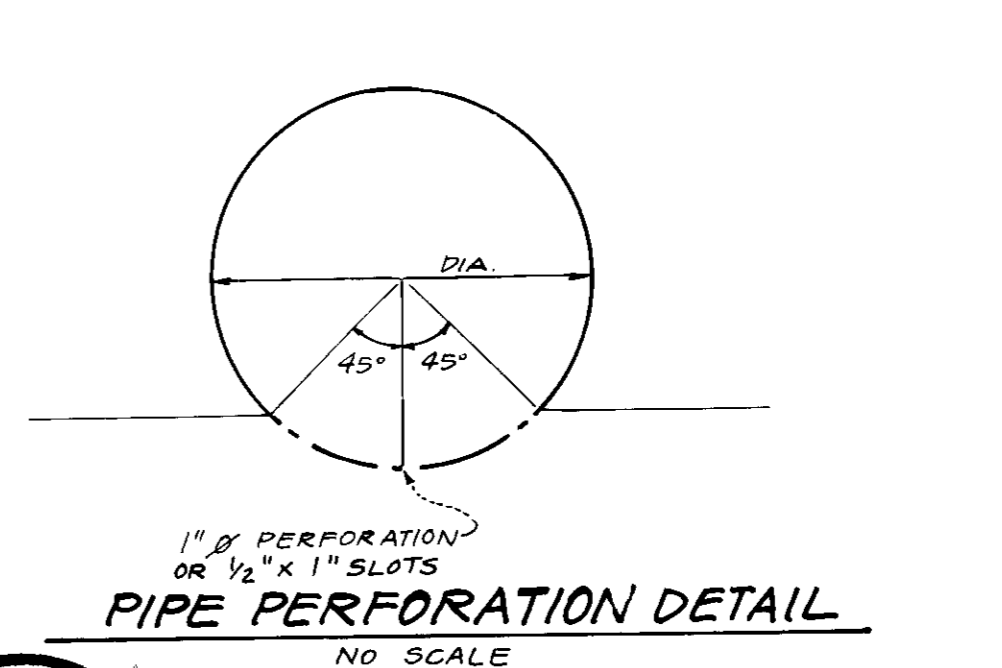
6TH ELECTION DISTRICT

HOWARD COUNTY, MARYLAND

DATE: 8-11-89



- Footnotes**
1. Filter Cloth (fabric) to be placed on all earth/stone and pipe/stone interfaces.
  2. Infiltration stone shall be clean with a minimum dia. = 1/2" and max. dia. = 3"
  3. Contractor shall observe all state safety requirements for trench excavation, shoring, backfill etc. Any damage to SHA property shall be repaired at no additional cost to the owner.
  4. Maintenance and observation access are provided through 24" riser manholes.



- PERFORMANCE NOTES**
1. Perforations to be placed in 3 longitudinal groups consisting of Rows of 2 1" Dia. holes. One longitudinal group placed at the invert of the pipe, the remaining groups to be placed symmetrically about the vertical axis of the pipe in accordance with the detail.
  2. The 2 1" holes shall be placed 1/2" (circumferentially).
  3. All perforations shall be at the invert or low point of the corrugations.
  4. Max. spacing between each pair of holes is 6'.

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

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING

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

Reviewed for: **HOWARD** S.C.D.  
Name: **Howard**  
Signature: **Howard**  
Date: **3/28/90**

U.S. Soil Conservation Service

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

Approved: **John L. Robertson** 3/28/90  
Date

**DEVELOPER'S/BUILDERS CERTIFICATE**

I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all responsible personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary.

Signature of Developer/Builder: **John L. Robertson**  
Date: **10/26/89**

**TYPICAL MANHOLE RISER DETAIL**  
SCALE: 1/4" = 1'-0"

Provide No. 40 Std. 8551 frame & cover inset in 4" thick concrete top slab. See Ho. Co. Std. SD4.11 for concrete top slab.

Provide steps in accordance w/ Ho. Co. Std. 6.3.21.

**ENGINEER'S CERTIFICATE**

I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Signature: **Jeffery J. Schaub**  
Date: **8/15/89**

REVISIONS

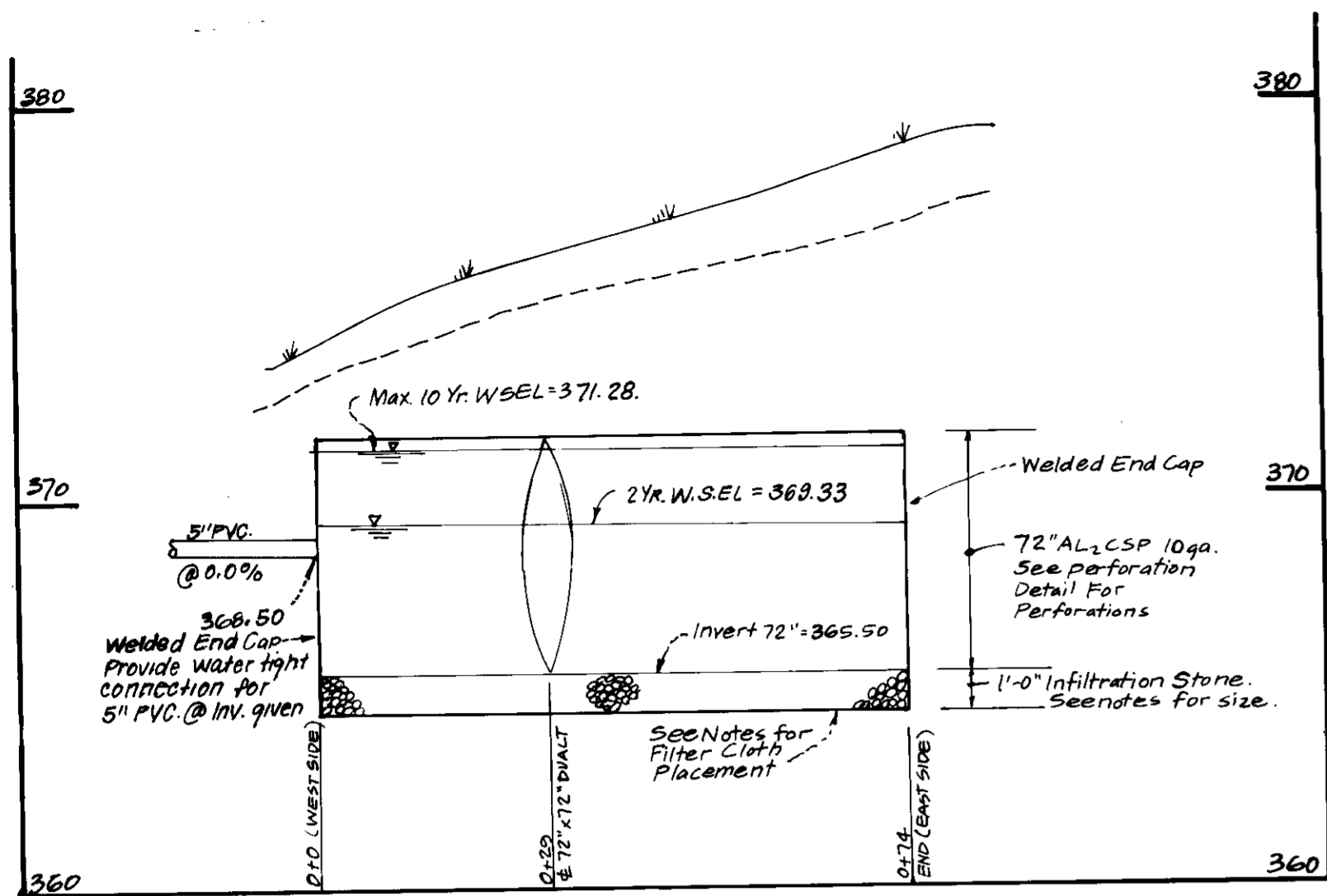
No.	Revise Paving Details	Date
		11.6.90

**CLARK • FINEROCK & SACKETT INC.**

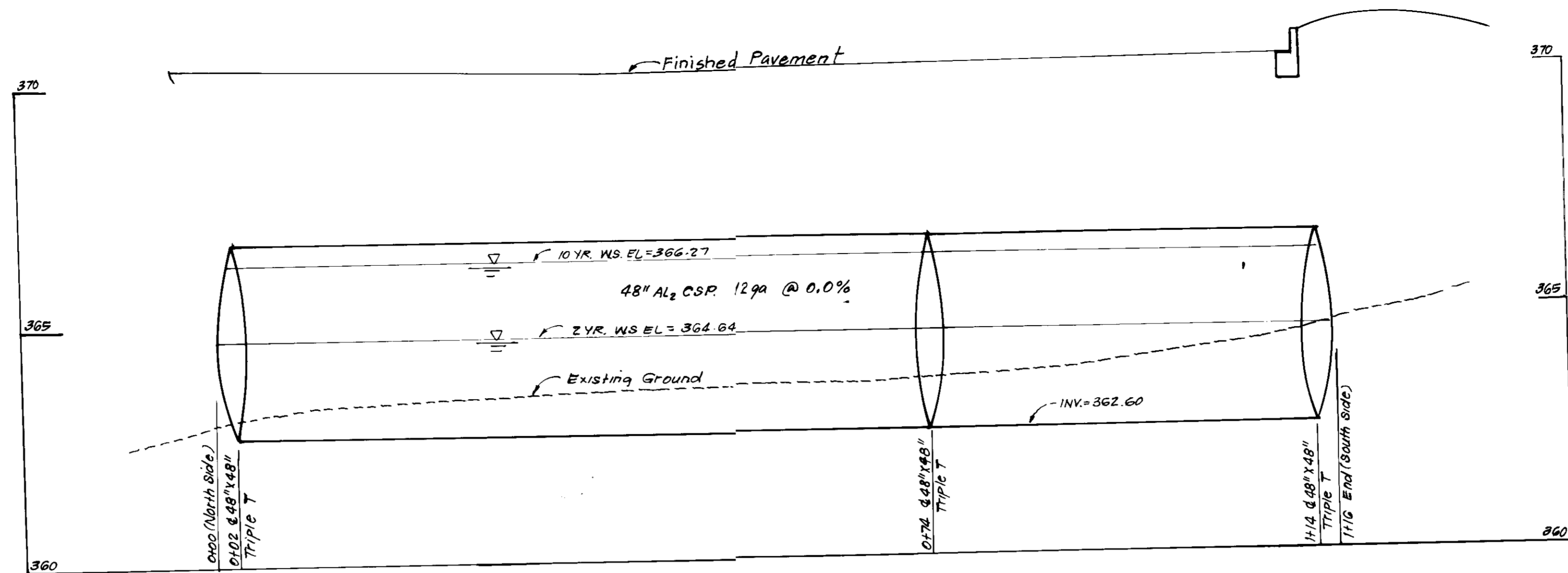
**SELF STORAGE FACILITY**

FOR: STORAGE USA CONSTRUCTION CORP.  
10 COLUMBIA CORPORATE CENTER, SUITE 310  
COLUMBIA, MARYLAND 21044

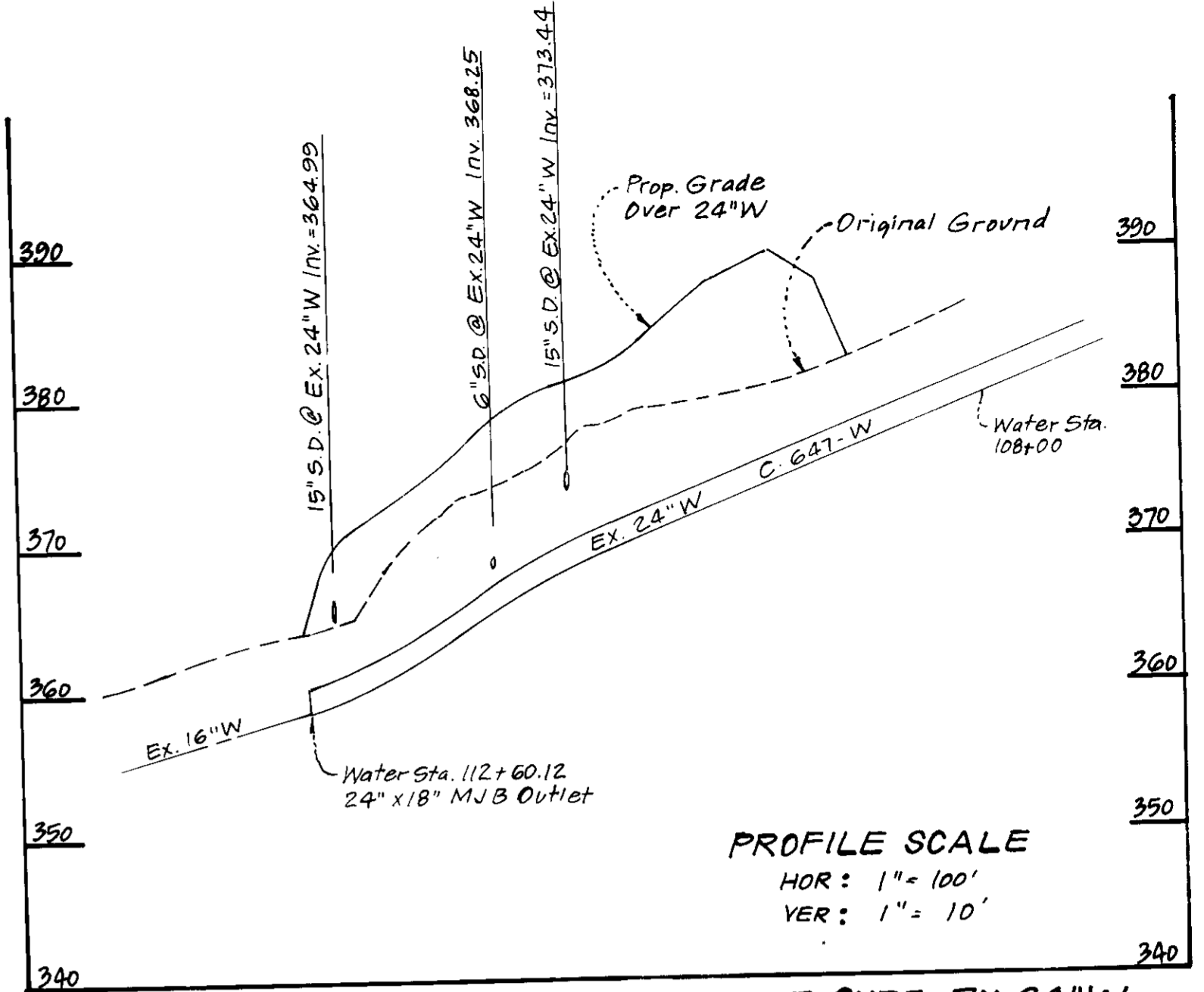
8-11-89



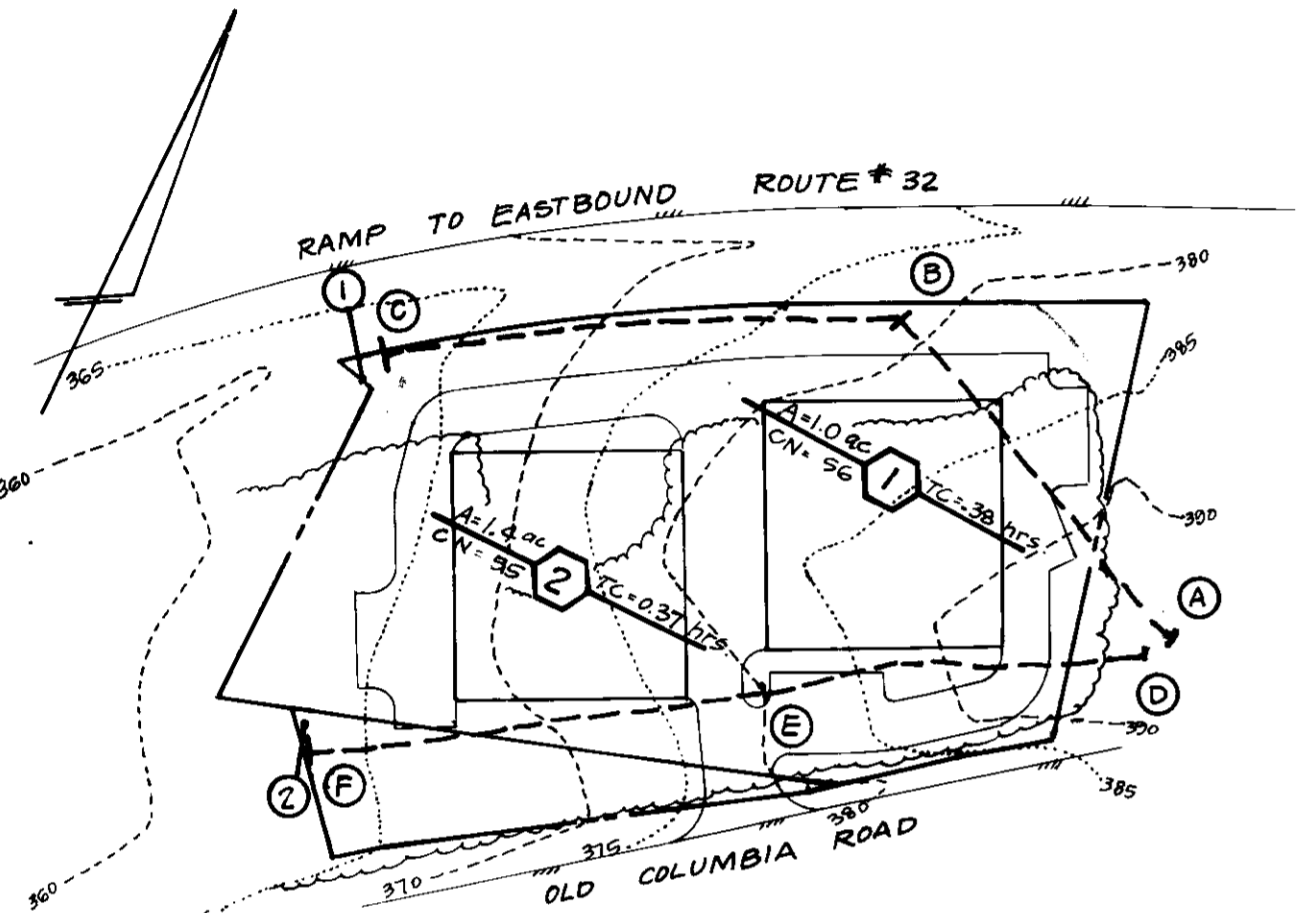
**PROFILE THRU S.W.M. STR. NO. 9**  
(THRU C OF SOUTH PIPE)  
SCALES: HORIZ. 1" = 20'  
VERT. 1" = 4'



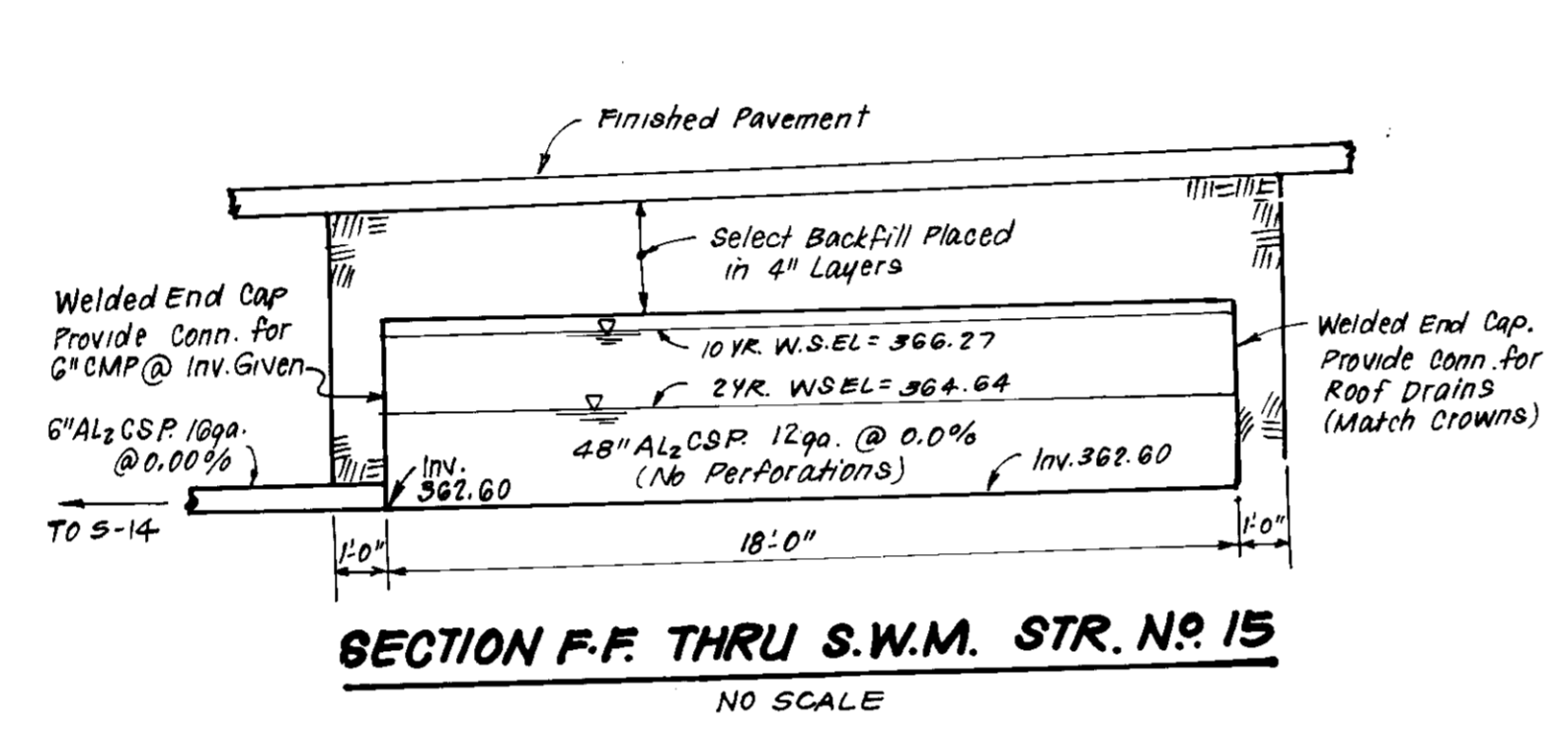
**PROFILE THRU S.W.M. STR. NO. 15**  
(THRU C OF CENTER PIPE)  
SCALES: HORIZ. 1" = 10'  
VERT. 1" = 2'



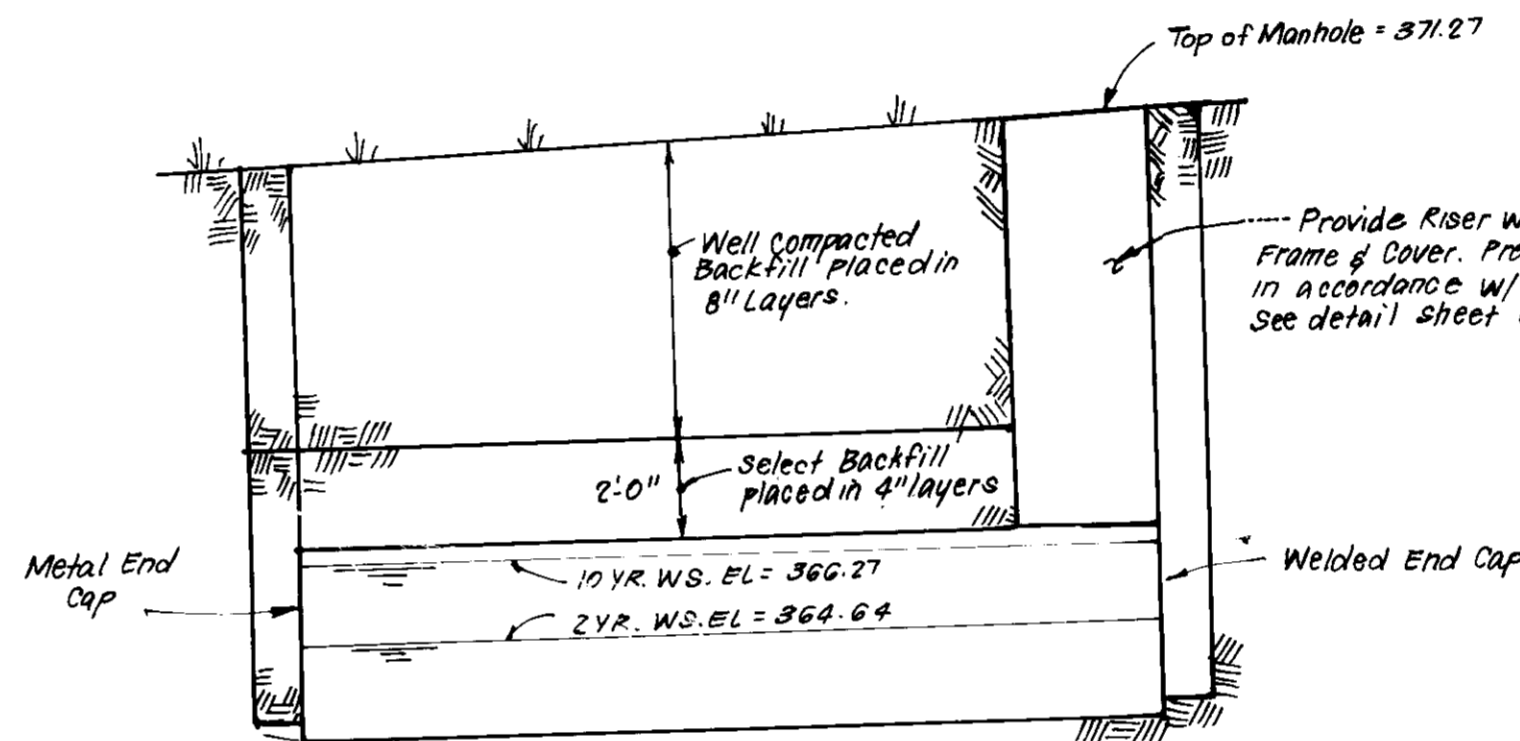
**PROFILE OF PROPOSED GRADE OVER EX. 24"W**  
CONTRACT NO. 647-W  
PROJECT NO. W-4-8070  
See Sht. 2 of 7 for plan view.  
See Sht. 6 of 7 for profile.



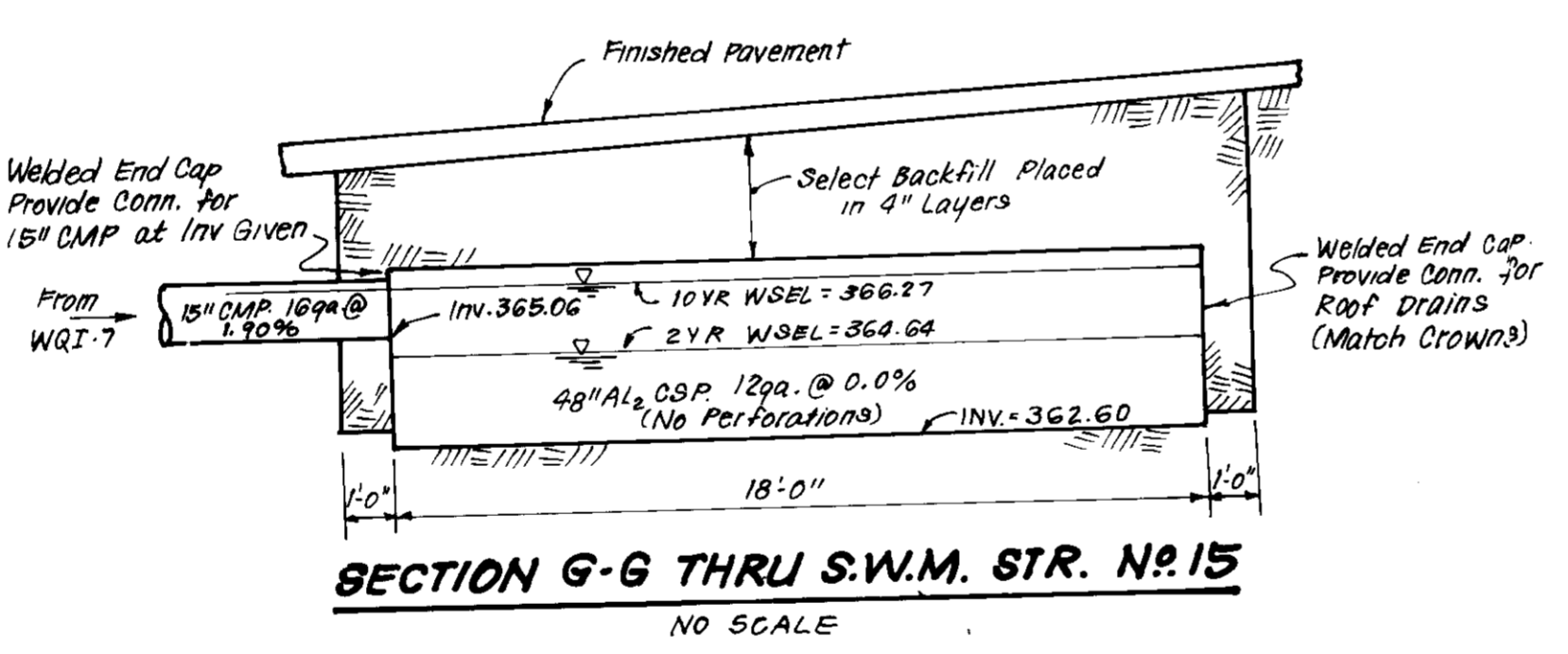
**DRAINAGE AREA MAP**  
EXISTING CONDITIONS  
SCALE: 1" = 100'  
NOTE: (A) - (B) FLOW PATH



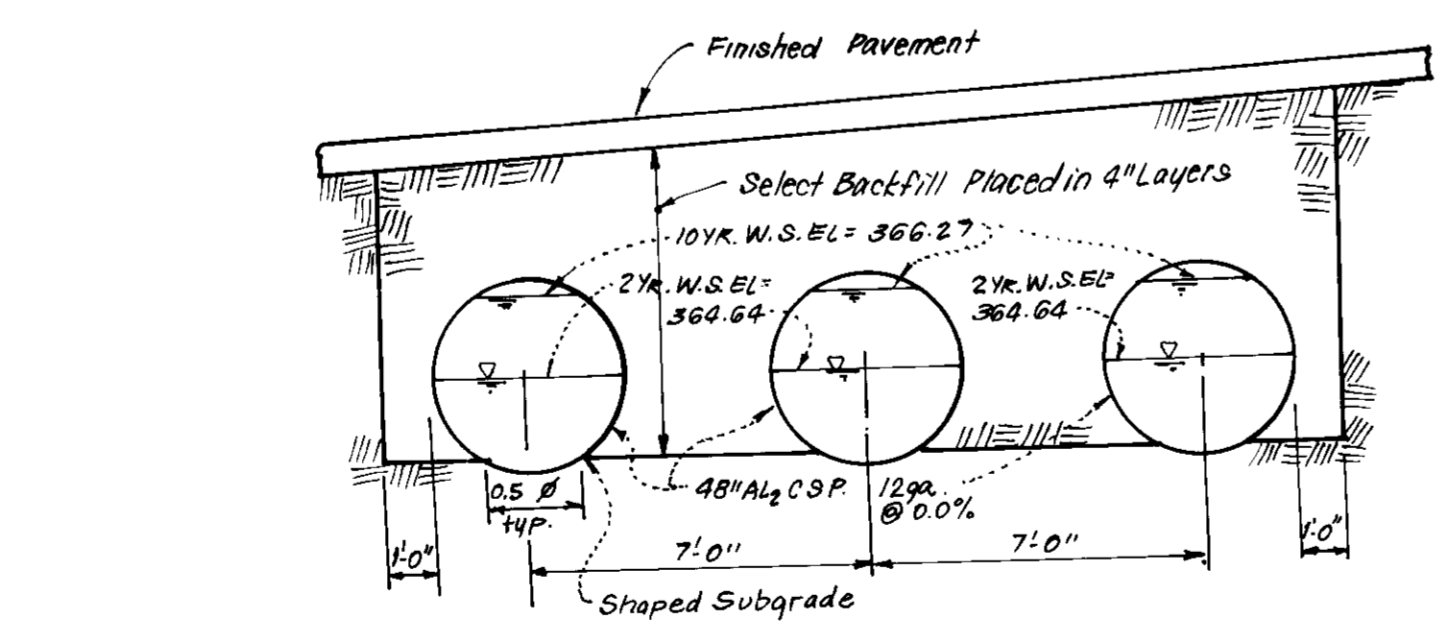
**SECTION F-F THRU S.W.M. STR. NO. 15**  
NO SCALE



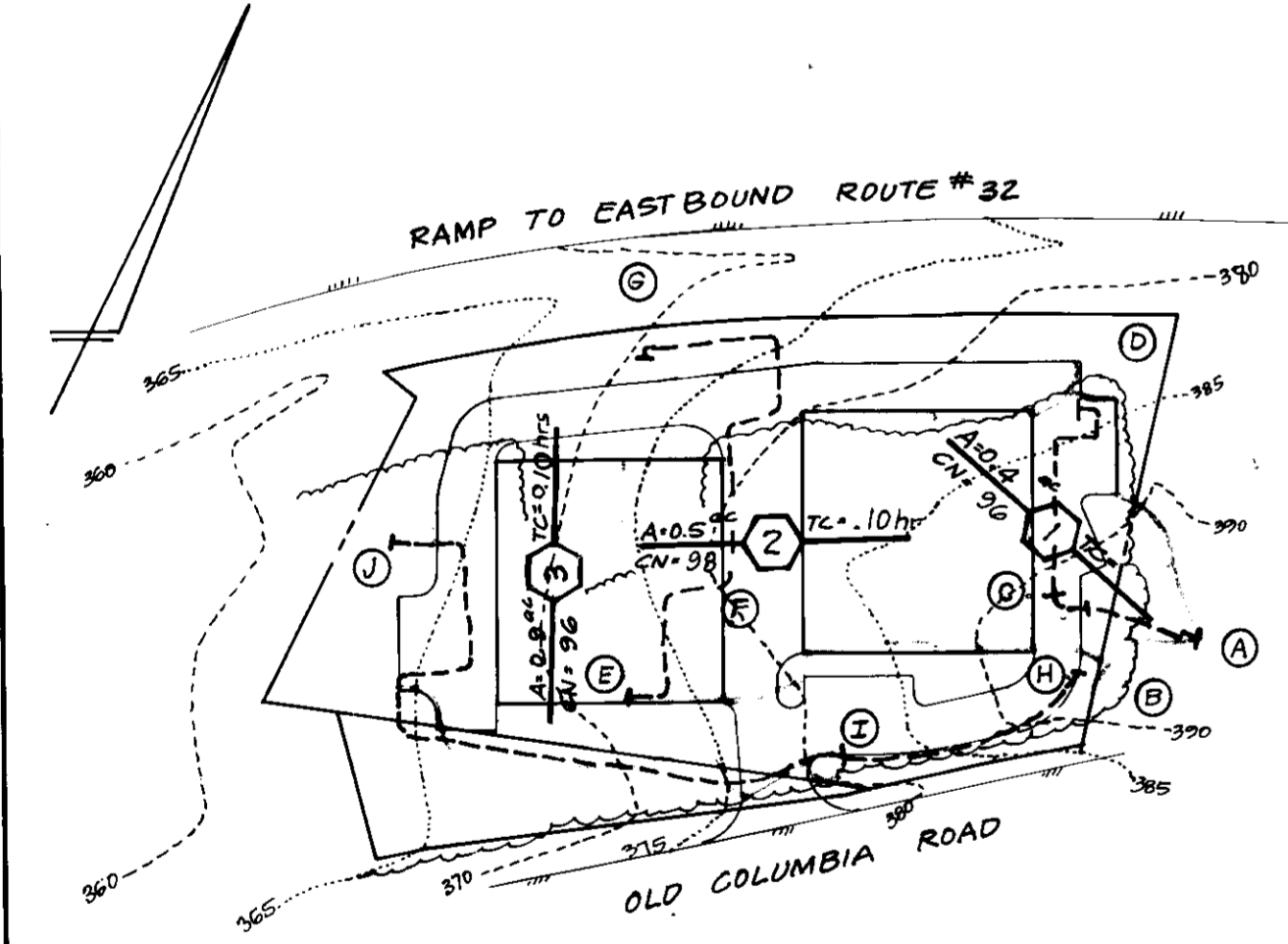
**SECTION I-I THRU S.W.M. STR. NO. 15**  
NO SCALE



**SECTION G-G THRU S.W.M. STR. NO. 15**  
NO SCALE



**SECTION H-H THRU S.W.M. STR. NO. 15**  
NO SCALE



**STORM WATER MANAGEMENT**  
DRAINAGE AREA MAP  
DEVELOPED CONDITIONS  
SCALE: 1" = 100'

SIZE	TYPE	LENGTH
4"	PVC	78 LF
5"	PVC	386 LF
6"	Al <sub>2</sub> O <sub>3</sub> CSP 16ga.	22 LF
12"	CMP 16ga.	306 LF
15"	CMP 16ga.	295 LF
48"	Al <sub>2</sub> O <sub>3</sub> CSP 12ga.	1795 LF
150"	Al <sub>2</sub> O <sub>3</sub> CSP 10ga. Perf.	1182 LF
36"	Al <sub>2</sub> O <sub>3</sub> CSP 16ga.	21 LF

- PIPE NOTES:**
- All pipes 15" or less to have 2 3/8" x 1/4" corrugations.
  - All pipes larger than 15" to have 3" x 1" corrugations.
  - Plain galvanized CMP 12ga. may be substituted for Al<sub>2</sub>O<sub>3</sub> CSP 16ga.

NO.	TYPE	INV. IN.	INV. OUT.	TOP ELEVATION		REMARKS	LOCATION
				UPPER	LOWER		
S-1	Metal End Section (15" x 2')	365.10	365.00			Ho. Co. Std. S.D. 5.61	See Plan
G-2	Metal End Section (15" x 2')	379.30	379.28			" " " S.D. 5.61	
M-3	Brick Manhole	368.50	367.67	373.5		" " " G 5.01	
M-4	Shallow Brick Manhole	378.55	379.45	382.5		" " " G 5.05	
SWM-5	Special	383.14	381.32			See Special Detail	
W-6	Oil/Grit Separator	387.64	383.14	389.93		See Special Detail	
I-7	S Inlet	387.74	387.69	390.4		Ho. Co. Std. S.D. 4.22	
I-8	S Inlet		387.90	390.4		" " " S.D. 4.22	
SWM-9	Special	374.4	368.50			See Special Detail	
W-10	Oil/Grit Separator	377.63	375.39	381.13		See Special Detail	
I-12	S Inlet	377.75	377.76	380.40		Ho. Co. Std. S.D. 4.22	
I-13	S Inlet		377.90	380.40		" " " S.D. 4.22	
S-14	Metal End Section (6" x 8')	362.60	362.60			See Manufacturers Specs	
SWM-15	Special	363.06	362.60			See Special Detail	
W-16	Oil/Grit Separator	365.50	365.50	369.00	369.00	See Special Detail	
M-18	Shallow Brick Manhole	368.90	368.80	371.40		Ho. Co. Std. G 5.05	
I-19	A-10 Inlet	374.70	374.60	378.04		" " " S.D. 4.02	
I-20	A-10 Inlet		376.50	380.23		" " " S.D. 4.02	
M-21	Shallow Brick Manhole	378.89	378.79	381.0		" " " G 5.05	
S-16	Metal End Section	363.90	363.34			" " " S.D. 5.61 15" D.I.A.	

- NOTE:** 1. All inverts to be fully developed.  
2. Provide curb transitions @ A-10 Inlets

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
HOWARD COUNTY HEALTH DEPARTMENT  
5-22-90  
DATE

APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING  
6/8/90  
DATE

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
5/14/90  
DATE



Jeffrey J. Schaub

REVISION  
Delete G-WHC Profile, Rev Inv Elev Strs. SWM-9 & W-10  
11-6-90  
Date

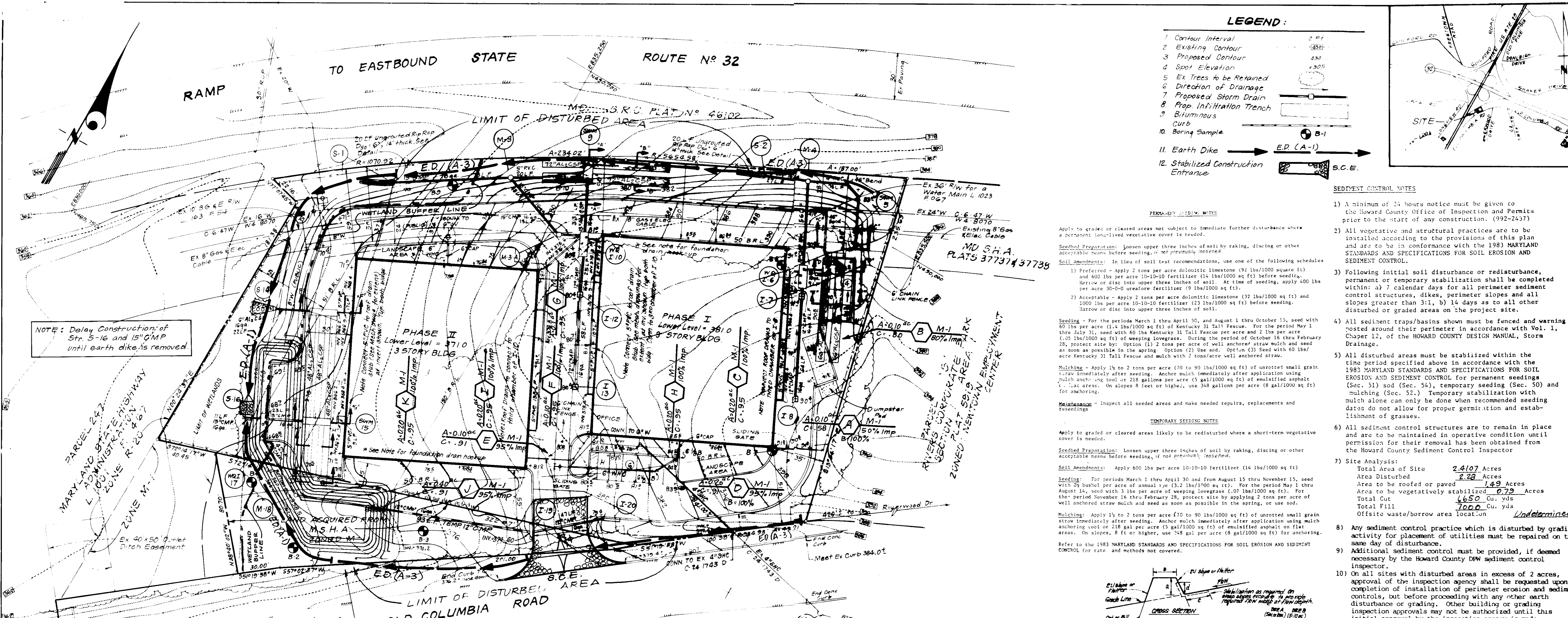
**CLARK • FINEFROCK & SACKETT, INC.**  
ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: G.L.B.  
DRAWN: K.W.M., V.L.M.  
CHECKED: G.L.B.  
DATE: 8-11-89

SITE DEVELOPMENT PLAN  
As Shown

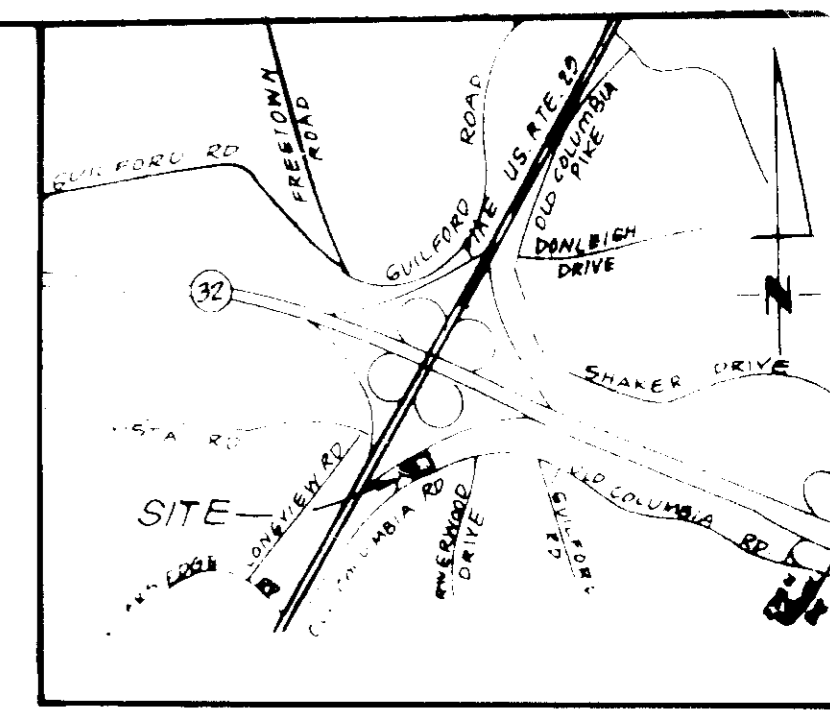
**SELF STORAGE FACILITY**  
PARCEL # 24B TAX MAP # 41  
6TH ELECTION DISTRICT  
HOWARD COUNTY, MARYLAND

FOR: STORAGE USA CONSTRUCTION CORP  
10 COLUMBIA CORPORATE CENTER, SUITE 410  
COLUMBIA, MARYLAND 21044



**LEGEND:**

- 1 Contour Interval 2 FT
- 2 Existing Contour 230
- 3 Proposed Contour 230
- 4 Spot Elevation 230.5
- 5 Ex Trees to be Retained
- 6 Direction of Drainage
- 7 Proposed Storm Drain
- 8 Prop Infiltration Trench
- 9 Bituminous Curb
- 10 Boring Sample B-1
- 11 Earth Dike ED (A-1)
- 12 Stabilized Construction Entrance S.C.E.



**SEDIMENT CONTROL NOTES**

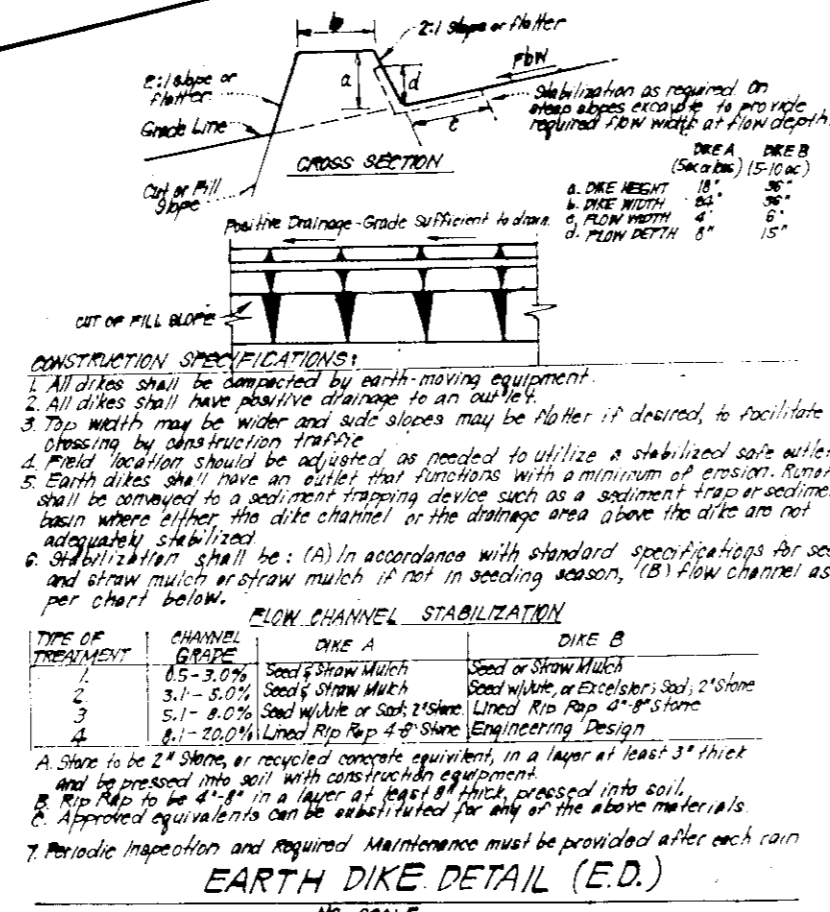
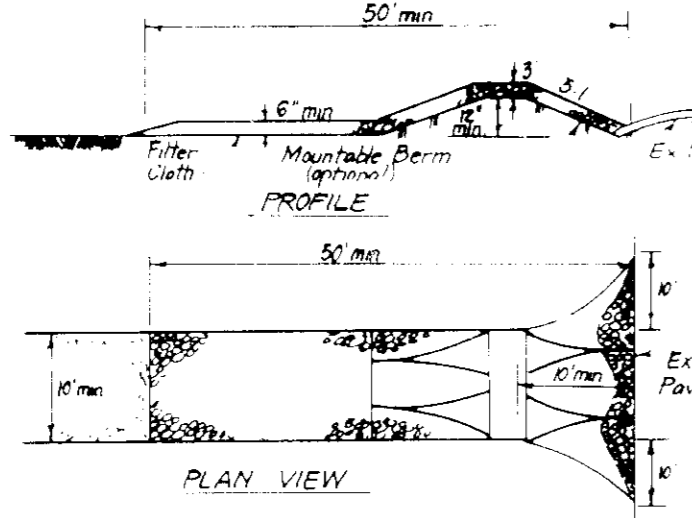
- 1) A minimum of 24 hours notice must be given to the Howard County Office of Inspection and Permits prior to the start of any construction. (992-2437)
- 2) All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- 3) Following initial soil disturbance or redistribution, 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.
- 4) All sediment traps/basins shown must be fenced and warning signs posted around their perimeter in accordance with Vol. 1, Chapter 12, of the HOWARD COUNTY DESIGN MANUAL, Storm Drainage.
- 5) All disturbed areas must be stabilized within the time period specified above in accordance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for permanent seedings (Sec. 51) sod (Sec. 54), temporary seeding (Sec. 50) and mulching (Sec. 52). Temporary stabilization with mulch alone can only be done when recommended seeding dates do not allow for proper germination and establishment of grasses.
- 6) All sediment control structures are to remain in place and are to be maintained in operative condition until permission for their removal has been obtained from the Howard County Sediment Control Inspector.
- 7) Site Analysis:
 

Total Area of Site	2.4107 Acres
Area Disturbed	2.22 Acres
Area to be roofed or paved	1.49 Acres
Area to be vegetatively stabilized	0.79 Acres
Total Cut	4650 Cu. yds
Total Fill	1000 Cu. yds
Offsite waste/borrow area location	Undetermined
- 8) Any sediment control practice which is disturbed by grading activity for placement of utilities must be repaired on the same day of disturbance.
- 9) Additional sediment control must be provided, if deemed necessary by the Howard County DPM sediment control inspector.
- 10) On all sites with disturbed areas in excess of 2 acres, approval of the inspection agency shall be requested upon completion of installation of perimeter erosion and sediment controls, but before proceeding with any other earth disturbance or grading. Other building or grading inspection approvals may not be authorized until this initial approval by the inspection agency is made.
- 11) If houses are to be constructed on an "As-Sold" basis, at random, Single Lot Sediment Control as shown below shall be implemented.
- 12) All pipes to be blocked at the end of each day (see detail below). N/A
- 13) The total amount of straw bale dikes/silt fence equals 1000 L.F.

NOTE: Delay Construction of Str. 5-16 and 15' CMP until earth dike is removed.

**TRAP #1 SOST (ST-V)**  
 DA = 2.3 Acres  
 Storage Required = 4140 cf  
 Storage Provided = 26840\*  
 Depth = 4'  
 Top of Stone Weir = 363.5  
 Bottom Elev. = 358.5  
 Clean-out Elev. = 360.5  
 Bottom Dim. = see PLAN  
 1:1 cut slopes  
 L = 9'

\* Additional volume to be utilized for temporary storm water management.



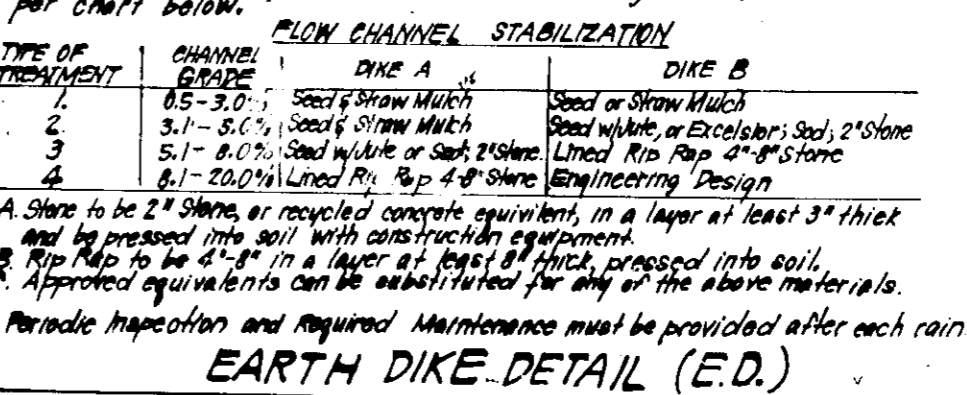
**UNGRADED RIPRAP PAVING DETAILS**

NO SCALE

Reviewed for HOWARD COUNTY  
 Name: *John R. Robertson*  
 Signature: *John R. Robertson*  
 Date: 3/28/90  
 U.S. Soil Conservation Service

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

Signature of Developer/Builder: *John R. Robertson*  
 Date: 3/28/90



**EARTH DIKE DETAIL (E.D.)**

NO SCALE

Periodic inspection and required maintenance must be provided after each rain.

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT	DATE: 5/2/90
COUNTY HEALTH OFFICER: <i>Joseph J. ...</i>	
APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING	DATE: 6/8/90
PLANNING & ZONING OFFICER: <i>Joseph J. ...</i>	
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE: 5/13/90
DEPARTMENT OF PUBLIC WORKS OFFICER: <i>James J. ...</i>	
APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	DATE: 5/14/90
DEPARTMENT OF PUBLIC WORKS OFFICER: <i>James J. ...</i>	

- CONSTRUCTION SPECIFICATIONS**
1. Stone size - Use 2" stone or equivalent in required concrete equivalent.
  2. Length - As required, not less than 50 feet, except for a single residence of where a 30 foot maximum length would apply.
  3. Thickness - Not less than 24" in thickness.
  4. Width - Top 10" bed minimum, not less than the 1:1 width at points where ingress or egress occurs.
  5. Filter Cloth - Will be placed over the entire area prior to paving of stone. Filter will not be required on slope below residence.
  6. Surface Water - All surface water flowing or diverted toward construction entrances shall be piped across the entrance. If piping is impractical, a mound of stone with 5' slopes will be permitted.
  7. Maintenance - The entrance shall be maintained in a condition when will prevent tracking or blowing of sediment into public rights of way. This may require periodic top dressing in the additional stone as sandstone damage and repair and/or cleanup of any materials used to trap sediment. All sediment applied, graded, washed or tracked onto public rights of way must be removed immediately.
  8. Washing - Wheels shall be cleaned to remove sediment or oil residue onto public rights of way. When washing is required, it shall be done on an area stabilized with stone and wood or rock on an approved sediment trapping area.
  9. Periodic inspection and required maintenance shall be provided after each rain.

- CONSTRUCTION SEQUENCE**
1. Obtain Grading Permit 7
  2. Install sediment control measures 7
  3. Clear & Rough Grade sites 15
  4. Construct storm drainage, except in the area of Trap #1 30
  5. Construct Utilities 30
  6. Fine grade, construct Buildings & Paving except Paving over the infiltration trenches and around Trap #1 120
  7. Upon approval of the sediment control inspector, remove Trap #1 and complete storm drainage & paving in that area 30
  8. Construct infiltration trenches and remainder of paving; unblock yard inlets 30

Note: The contractor is to prevent sediment from entering the infiltration facilities by providing diversion berms and covering stone with filter fabric. Delay construction of Str. 5-16 until earth dike is removed.

**DEVELOPER'S/BUILD. CERTIFICATE**

"I/We certify that all development and construction will be done according to this plan of development and plan for erosion and sediment control and that all reasonable personnel involved in the construction project will have a Certificate of Attendance at a Dept. of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature of Developer/Builder: *John R. Robertson*  
 Date: 11-7-89



**ENGINEER'S CERTIFICATE**

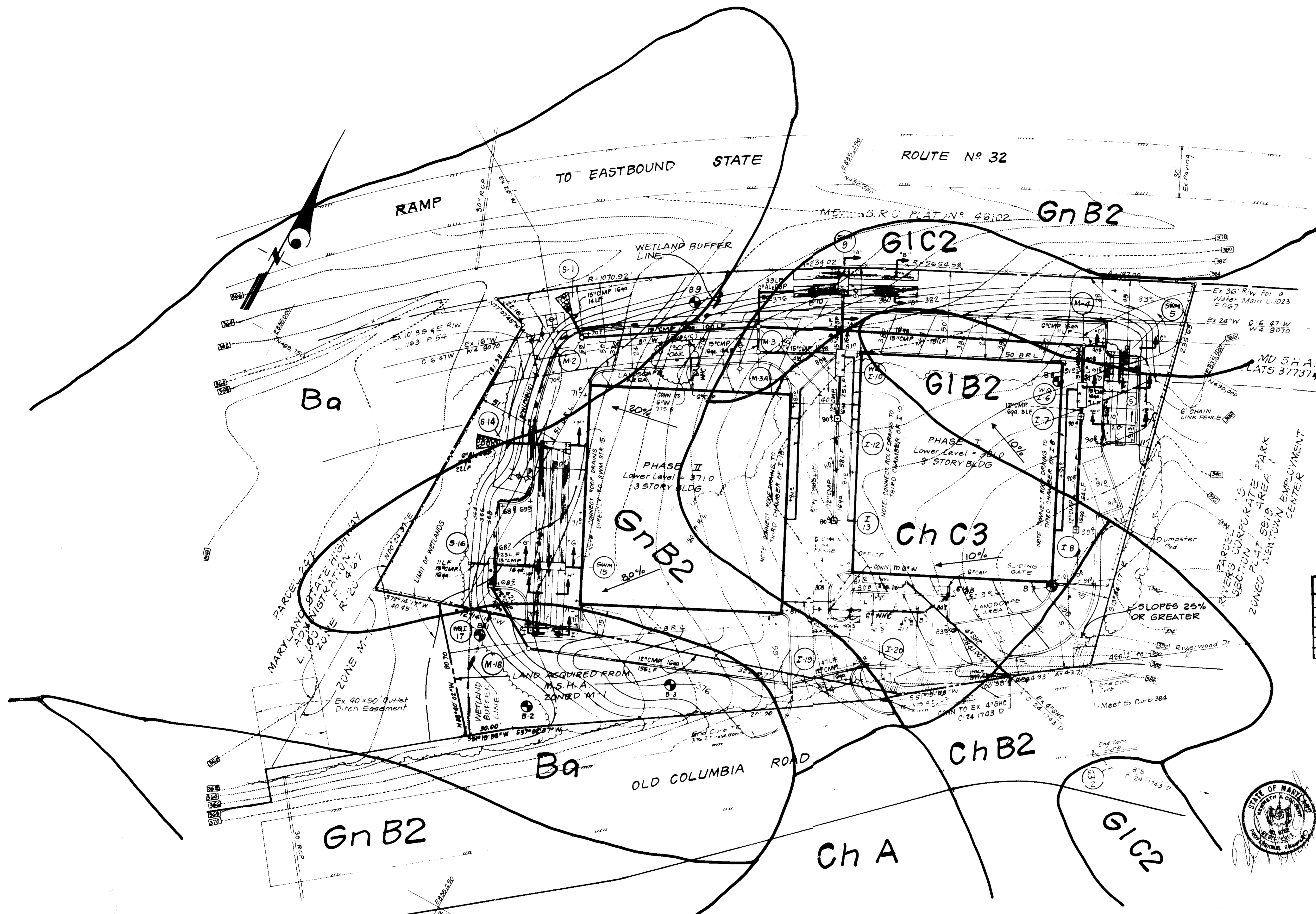
I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable plan based on my personal knowledge of the site, conditions and that it was prepared in accordance with the requirements of the Howard Soil Conservation District.

Signature of Engineer: *G. Nelson Clark*  
 Date: 11-7-89

**CLARK • FINEPROCK & SACKETT, INC.**  
 ENGINEERS • PLANNERS • SURVEYORS  
 7135 MISTREL WAY • COLUMBIA MD 21045 • (301) 381-7500 • BALTO. • (410) 621-8000 • WASH.

DESIGNED: GLB	SEDIMENT & EROSION CONTROL PLAN AND DRAINAGE AREA MAP	SCALE: 1"=30'
DRAWN: VLM	<b>SELF STORAGE FACILITY</b>	DRAWING: 5 OF 7
CHECKED: GLB		JOB NO: 87-014
DATE: 8-11-89	FOR: STORAGE U.S.A. CONSTRUCTION CORP. 10 COLUMBIA CORPORATE CENTER, SUITE 410 COLUMBIA, MARYLAND 21044	FILE NO: 87-014SE

SDP 90-45



**ENVIRONMENTAL INFORMATION**

- Slopes on site vary from 10% on the east end of the site, to 20% at the west end of the site. Slopes greater than 25% are delineated with cross-hatching.
- Limit of wetlands are noted on the west end of the site. Permit to fill and grade have been previously issued (88-WQ-0320). No 100 year floodplain exist on this site.
- Vegetation on site consist of secondary Red Maples. The east end of the site includes 4" caliper Red Maples with a thick understory of Maple seedlings, Sumacs, Sassafras and Honeysuckle. The west end has 2"-4" caliper Red Maples with a thin understory of Honeysuckle. The site includes a 30" caliper Oak which shall be removed.

Reviewed for Howard S.C.D.  
 Name: \_\_\_\_\_  
 and State Requirements: \_\_\_\_\_  
 Date: 3/28/90  
 Signature: \_\_\_\_\_  
 U.S. Soil Conservation Service

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.  
 Approved: John R. Belton 3/28/90  
 Howard S.C.D.

**SOILS LEGEND**

SYMBOL	DESCRIPTION	GENERAL SLOPE
Ba	Baile Silt Loam	—
ChB2	Chester Silt Loam, moderately eroded	3-8%
G1B2	Glenela Loam, moderately eroded	3-8%
G1C2	Glenela Loams, moderately eroded	8-15%
GnB2	Glenville Silt Loam, moderately eroded	3-8%

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT  
 COUNTY HEALTH OFFICER: \_\_\_\_\_ DATE: 5/2/90

APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 DIRECTOR: \_\_\_\_\_ DATE: 6/8/90

CHIEF DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT  
 \_\_\_\_\_ DATE: 5/24/90

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS, HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 \_\_\_\_\_ DATE: 5/14/90

CHIEF BUREAU OF ENGINEERING  
 \_\_\_\_\_ DATE: 5/24/90

**CF** CLARK • FINEFROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS

DESIGNED: **GLB** SOILS MAP AND ENVIRONMENTAL INFORMATION SCALE: 1"=30'

DRAWN: **VLM** **SELF STORAGE FACILITY** DRAWING: 6 OF 7

CHECKED: **GLB** PARCEL # 248 TAX MAP # 41 JOB NO: 87-014

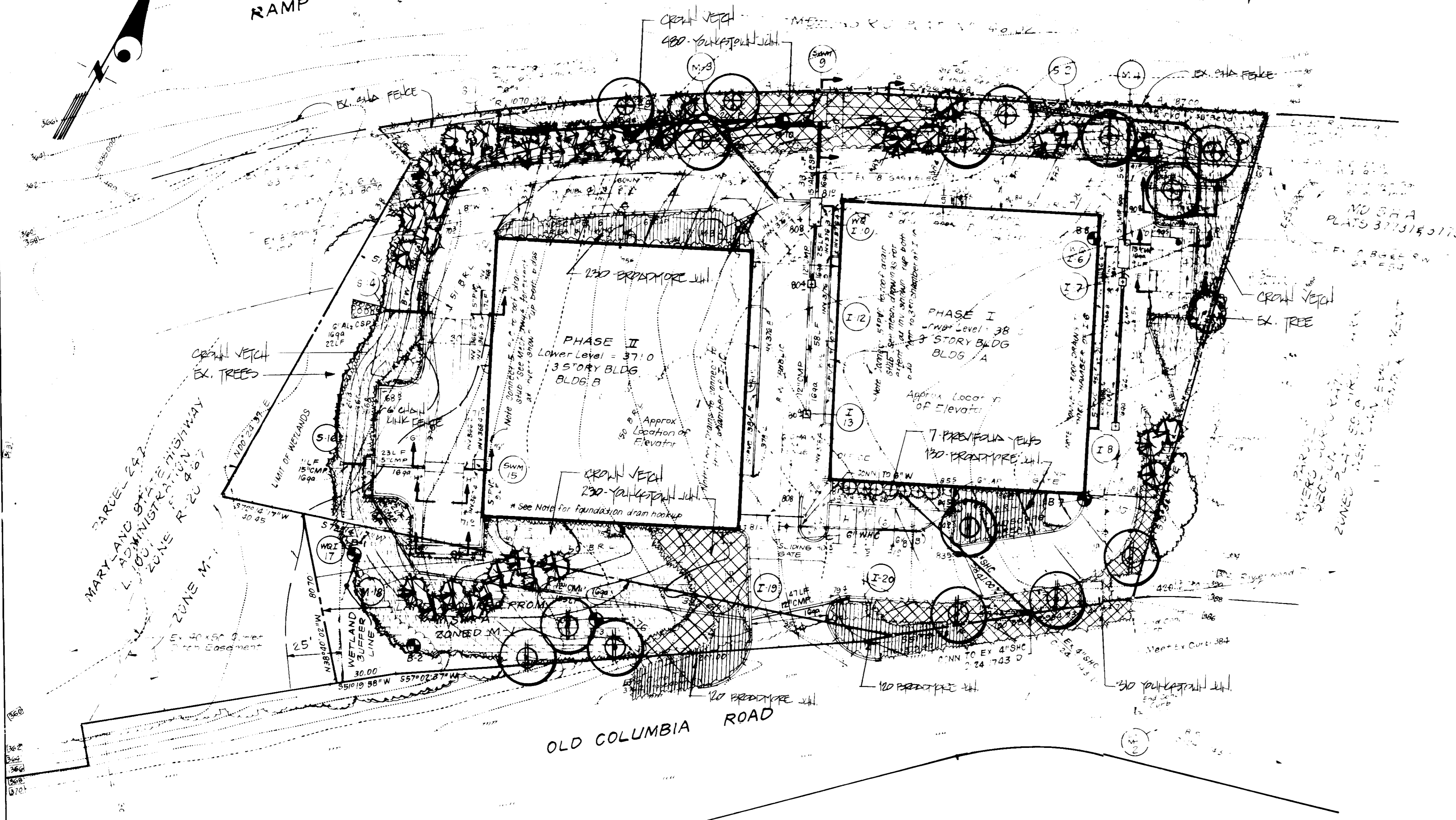
DATE: 8-11-89 6TH ELECTION DISTRICT FILE NO: 87-014 X  
 HOWARD COUNTY, MARYLAND

*Jeffrey J. Schmitt*



TO EASTBOUND STATE ROUTE No 32

RAMP



PLANT SCHEDULE

KEY	PLANT NAME	SIZE	QTY	REMARKS
<b>SHADE TREES</b>				
⊕	ACER RUBRUM RED SUNSET	2 1/2' CAL. 12-14 HT.	7	PLANT HEAVY HEADS
⊕	GLADIOLUS TR. HERMES 'SHADEMASTER'	"	8	SHADEMASTER HONEYLOCUST
<b>EVERGREEN TREES/SHRUBS</b>				
⊗	PILES JAPANESE	6-8 HT.	38	
⊗	TAXUS PREVENIA BROADLEAF YEW	24" 30" CAL.	7	
<b>GRASSES</b>				
⊗	JUNIPERUS PLUMOSA COMP. YOUNGSTOWN	15-18' HT.	1000	26" O.C. P&B
⊗	JUNIPERUS BROADLEAF BROADLEAF JUNIPER	15-18' HT.	600	26" O.C. P&B
⊗	CROWN VETCH		23,600 SQ FT	

NOTES:  
 - ALL PLANTING TO BE DONE IN ACCORDANCE WITH THE PAINT. WASH. LANDSCAPE SPECIFICATIONS OF L.C.D.M.H.  
 - ALL PLANTING TO BE DONE IN ACCORDANCE WITH A.D.N. STANDARDS  
 - CONTRACTOR SHALL VERIFY LOCATION OF ALL UTILITIES PRIOR TO DIGGING.  
 ⊗ EXISTING TREES TO REMAIN

NOTE:  
 THE PURPOSE OF THIS REVISED PLAN IS TO REDUCE MAINTENANCE REQUIREMENTS, ALL SITE PLAN FEATURES REMAIN UNCHANGED

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS  
 HOWARD COUNTY HEALTH DEPARTMENT  
 4/26/91  
 APPROVED HOWARD COUNTY DEPT. OF PLANNING & ZONING  
 5/2/91  
 APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE  
 STORM DRAINAGE SYSTEMS AND PUBLIC ROADS  
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS  
 4/24/91  
 4-23-91

LOT No	STREET ADDRESS	WATER CODE	MAP CODE
PARCEL 248	10400 Old Columbia Road	E 13	5200000



CLARK • FINEFROCK & SACKETT, INC.  
 ENGINEERS • PLANNERS • SURVEYORS  
 REVISED LANDSCAPE PLAN  
 SELF STORAGE FACILITY  
 PARCEL # 248 TAX MAP # 41  
 6TH ELECTION DISTRICT  
 HOWARD COUNTY, MARYLAND  
 FEB. 1, 91  
 SDP 90-45 REVISED