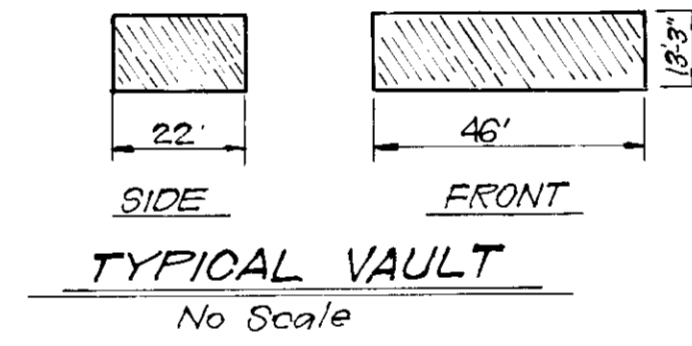


ADDRESS CHART

LOT	STREET ADDRESS
04	3165 Rumsey Road



DEVELOPER'S BUILDING CERTIFICATE

"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 Maryland Dept. of the Environment Approved Training Program for the Control of Sediment and Erosion before beginning the project. I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Signature of Developer: [Signature] Date: 12-14-90

SITE ANALYSIS

GENERAL DESCRIPTION:
This facility is a basic operating procedure & building systems are designed to adhere to Good Manufacturing Practice (GMP) standards as defined by the USFDA to provide the proper "clean" environment for the production of pharmaceuticals. Some of which will be used for clinical study.

A thermal storage tank will be located in a vault to the southwest of the building for the purpose of decreasing the facility's peak daytime power demands.

Total Area of Site: 76.31 Acres
Total Area of Proposed Building: 0.118 Acres
Total Area of Disturbance: 0.70 Acres
Zoned: New Town Industrial, use F.D.P. Phase 25-A-II
Total No. of Employees: Existing 86, Proposed 89
Green Space (excluding Paved & roof areas): 4.5 Acres
% of Green Space: 60%

Parking Analysis for Proposed Building

Required Spaces for 2 employees
spaces required: 3 employees = 2 spaces = 2
spaces provided: 18

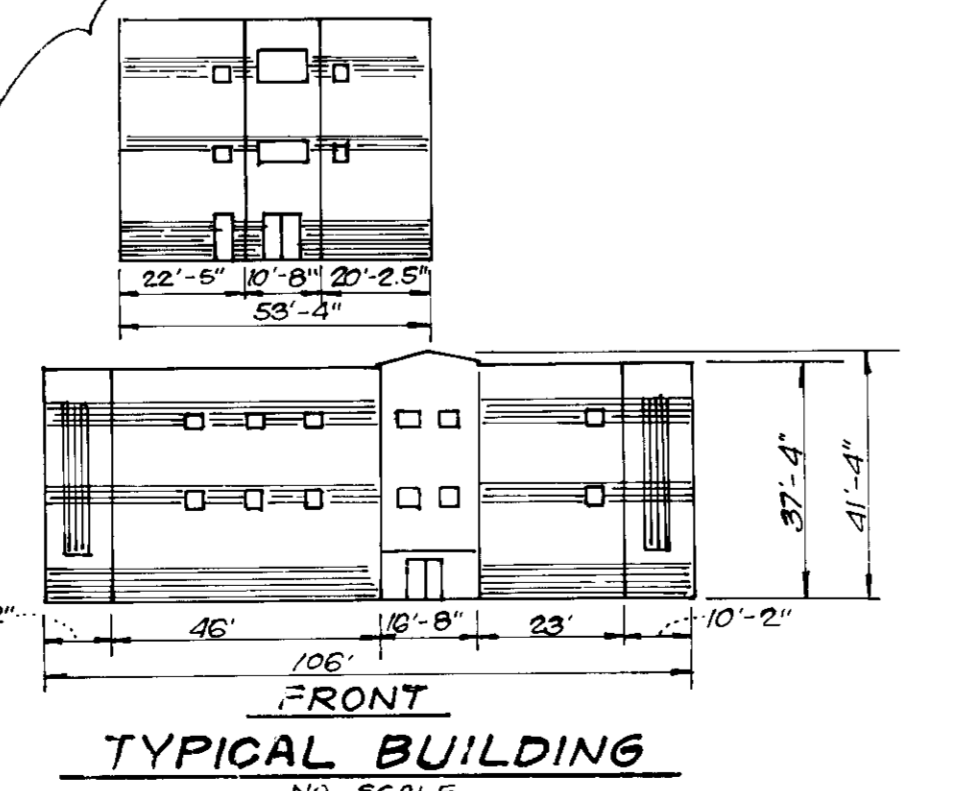
Parking Analysis for Existing Office Buildings

a number of employees: 86
b total sq. ft. of existing office space: 24,849 sq. ft.
number of parking: 1 per 500 sq. ft. = 50 spaces
c total spaces of warehouses, test station & treatment facility
number of parking: 1 per 2 employees

Total Number of spaces for Site

Required: 67
Provided: 142
Building Coverage: 30% Maximum
47,808 sq. ft. = 14.67%
328,050 sq. ft.

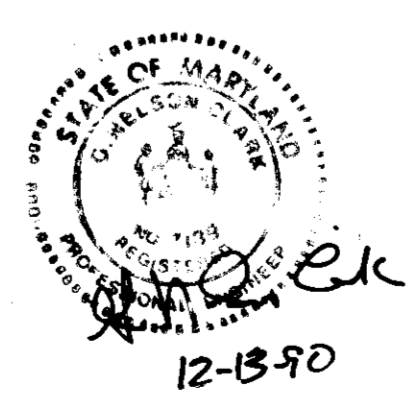
Building	Sq. Ft.
Existing office building no 1	5,550
Existing office building no 2	5,472
Existing office building no 3	8,160
Existing warehouse no 1	5,444
Existing warehouse no 2	5,472
Existing waste treatment facility	14,300
Existing warehouse no 3	5,129
Proposed Test Facility	5,674
Total	47,803



ENGINEER'S CERTIFICATE

"I hereby certify that this plan for Erosion and Sediment Control represents a practical and workable method 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: [Signature] Date: 12-13-90



APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
HOWARD COUNTY HEALTH DEPARTMENT
Signature: [Signature] DATE: 6/7/91

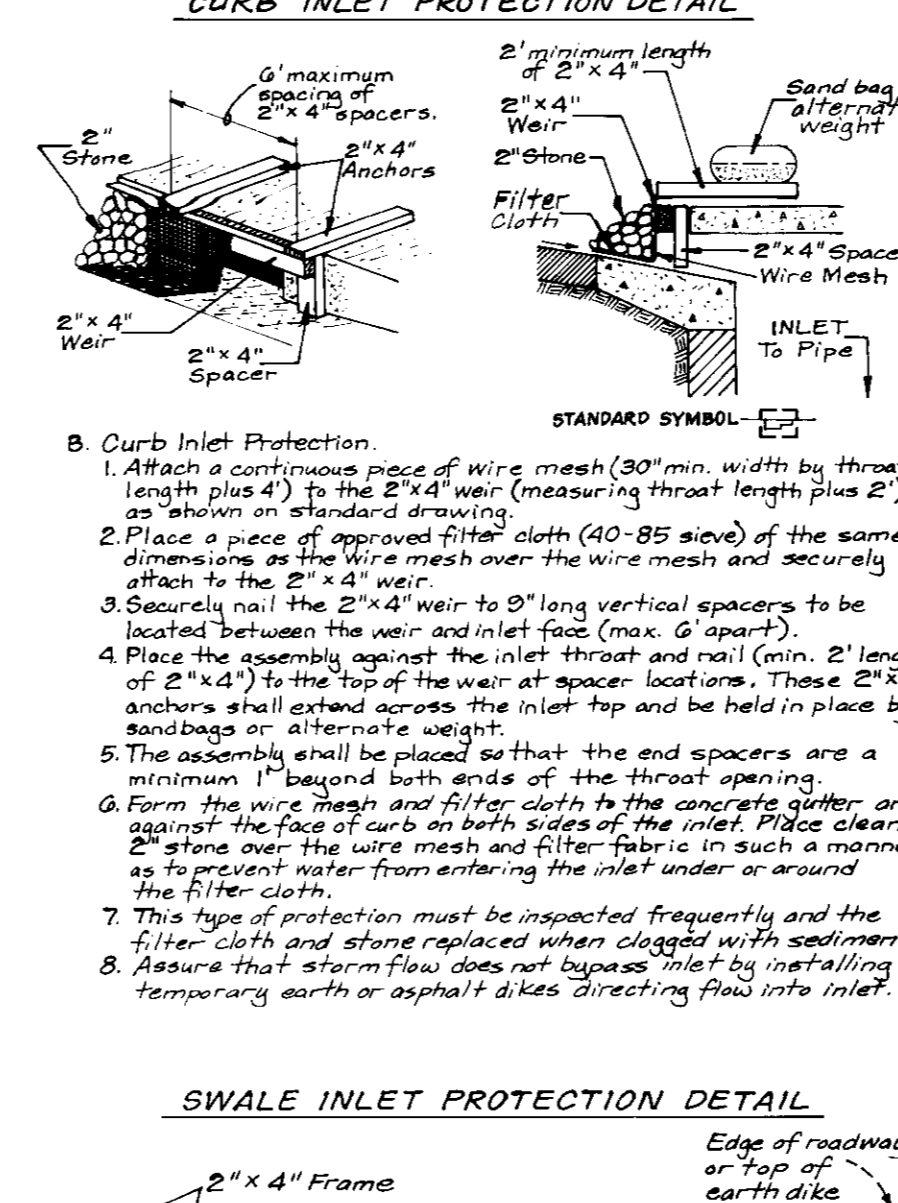
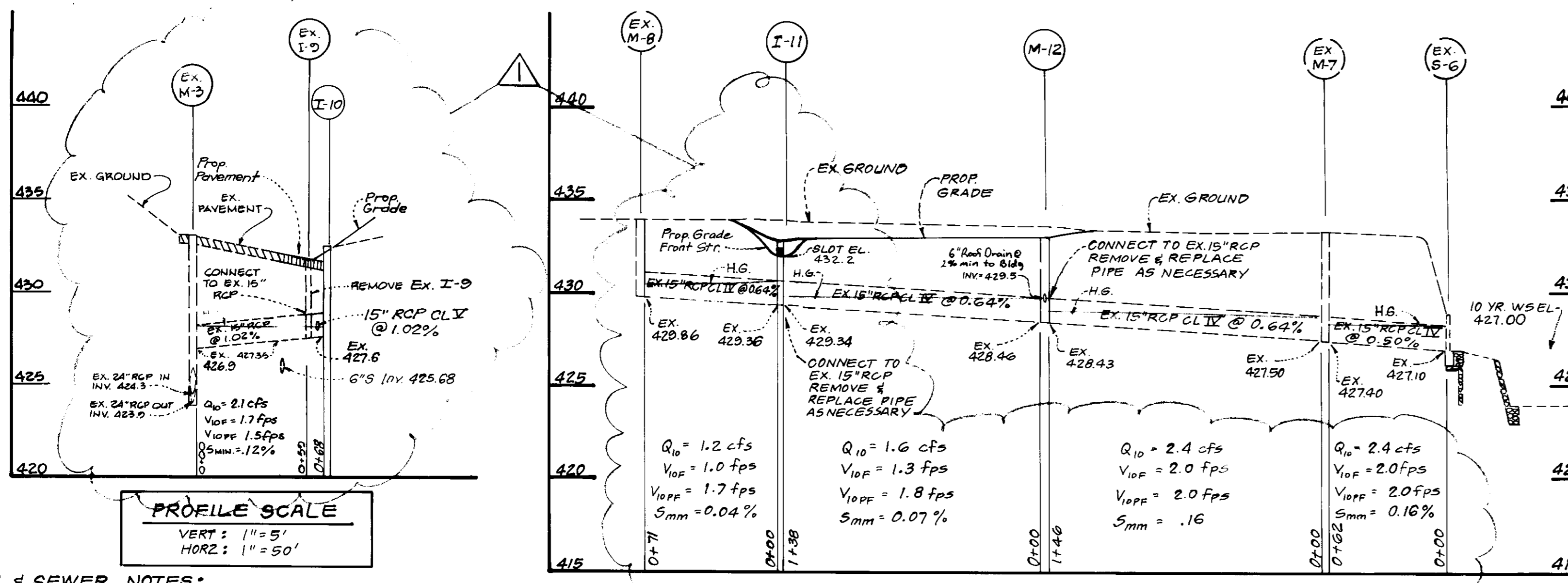
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING
Signature: [Signature] DATE: 6/12/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Signature: [Signature] DATE: 6/12/91

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
Signature: [Signature] DATE: 6/12/91

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

DESIGNED	DGT	SCALE
SITE DEVELOPMENT & EROSION CONTROL PLAN		
G.M.P. FACILITY		
LOT 04		
COLUMBIA		
OAKLAND RIDGE INDUSTRIAL PARK		
SECTION TWO		
2ND ELECTION DISTRICT		
HOWARD COUNTY MARYLAND		
DRAWN	BAL	DRAWING
		1 of 2
CHECKED	DGT	JOB NO.
		90-134
DATE	FOR NURSITAMIZER INC	FILE NO.
Nov 1990	3165 Rumsey Road	90-134
		Columbia Md 21045



PERMANENT SEEDING NOTES

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

SEEDING PREPARATION: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: In lieu of soil test recommendations, use one of the following schedules:

- 1) Preferred - Apply 2 tons per acre dolomitic limestone (42 lbs/1000 sq ft) and 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil. At time of seeding, apply 400 lbs per acre 30-0-0 ureaform fertilizer (9 lbs/1000 sq ft).
- 2) Acceptable - Apply 2 tons per acre dolomitic limestone (42 lbs/1000 sq ft) and 1000 lbs per acre 10-10-10 fertilizer (23 lbs/1000 sq ft) before seeding. Narrow or disc into upper three inches of soil.

Seeding: For periods March 1 thru April 30, and August 1 thru October 15, seed with 60 lbs per acre (1.4 lbs/1000 sq ft) of Kentucky 31 Tall Fescue. For the period May 1 thru July 31, seed with 60 lbs Kentucky 31 Tall Fescue per acre and 2 lbs per acre (0.5 lbs/1000 sq ft) of creeping lovegrass. During the period of October 16 thru February 28, protect site by: Option (1) 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring. Option (2) Use seed. Option (3) Seed with 60 lbs/acre Kentucky 31 Tall Fescue and mulch with 2 tons/acre well anchored straw.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gallons per acre (8 gal/1000 sq ft) for anchoring.

Maintenance: Inspect all seeded areas and make needed repairs, replacements and reseedings.

TEMPORARY SEEDING NOTES

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

Seeding Preparation: Loosen upper three inches of soil by raking, disking or other acceptable means before seeding, if not previously loosened.

Soil Amendments: Apply 600 lbs per acre 10-10-10 fertilizer (14 lbs/1000 sq ft).

Seeding: For periods March 1 thru April 30 and from August 15 thru November 15, seed with 25 bushels per acre of annual ryegrass (3.2 lbs/1000 sq ft). For the period May 1 thru August 14, seed with 3 lbs per acre of creeping lovegrass (0.7 lbs/1000 sq ft). For the period November 15 thru February 28, protect site by applying 2 tons per acre of well anchored straw mulch and seed as soon as possible in the spring, or use seed.

Mulching: Apply 1 1/2 to 2 tons per acre (70 to 90 lbs/1000 sq ft) of unrotted small grain straw immediately after seeding. Anchor mulch immediately after application using mulch anchoring tool or 218 gallons per acre (5 gal/1000 sq ft) of emulsified asphalt on flat areas. On slopes, 8 ft or higher, use 348 gal per acre (8 gal/1000 sq ft) for anchoring.

Maintenance: Refer to the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL for rate and methods not covered.

- WATER & SEWER NOTES:**
1. All construction methods and materials for on-site private water & sewer systems shall follow the current edition of the Howard County Plumbing Code, supplemented by the Howard County Std Details and Specifications where necessary.
 2. All 6" & 8" Sewer Pipe shall be PVC, C.S.P.X. or V.C.P.X.
 3. All 6" Water Pipe shall be Ductile Iron, Class 52.
 4. Areas where Water pipe is to be built shall be at final grade and water pipe shall have a minimum of 3' cover.
 5. Block all fittings with concrete.
 6. SHC shall be built to within 5' of building at a slope of 2.00%

STRUCTURE SCHEDULE Δ

No.	TYPE	INV. IN	INV. OUT	TOP STRUCTURE	REMARKS	LOCATION
I-10	A-5 (Depressed)	-	Ex. 427.60	432.40	Ho. Co. Std. Detail 4.01	See Plan.
I-11	D- Inlet	Ex. 429.36	Ex. 429.34	433.03 / 432.20	Ho. Co. Std. Detail 4.11	See Plan.
M-12	Shallow Brick Manhole	Ex. 428.46	Ex. 428.49	432.80	Ho. Co. Std. Detail G505	See Plan.

Δ All inverts are fully developed.
* 1 Slot located on E.N.E. Face.

PIPE SCHEDULE

SIZE	TYPE	LENGTH
6"	PVC	62'
4"	PVC	66'

ALTERNATE PAVING SECTION FOR PARKING AREAS (SECTION P-1)

Bituminous Conc. Surface	1"
Bituminous Conc. Base	2"
Prime	
5" Crusher Run Base Course or 4" Dense Graded Stabilized Aggregate Base Course	4"
	3"
	5"

TYPICAL PAVING SECTION FOR PARKING AREAS

Bituminous Conc. Surface	1"
Bituminous Conc. Base	4"

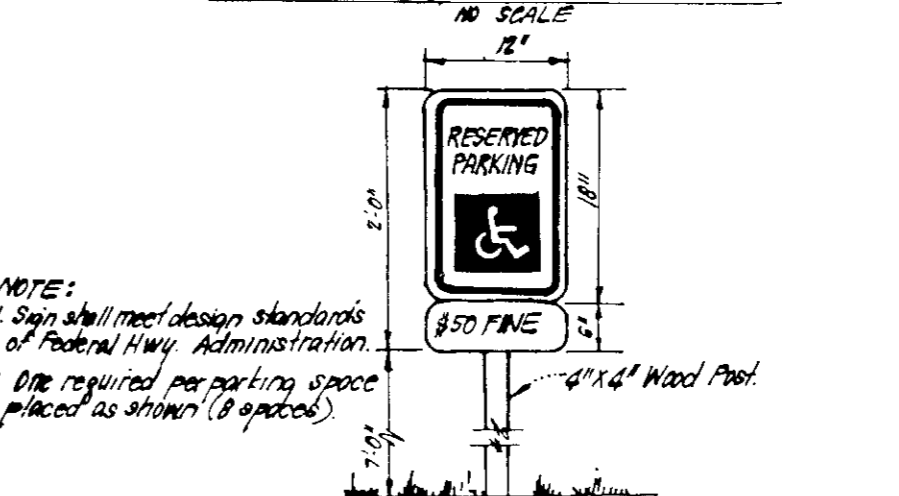
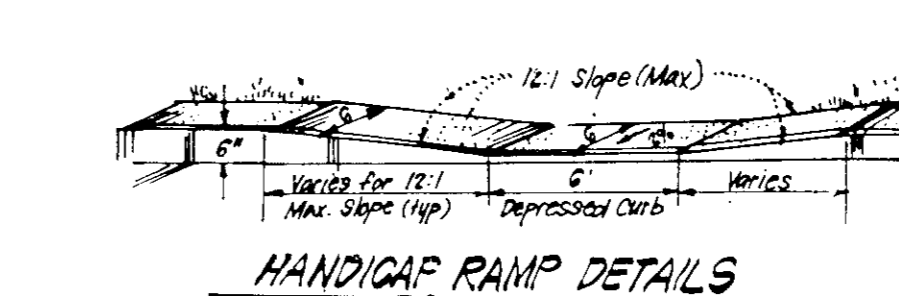
CONSTRUCTION SPECIFICATIONS:

I. MATERIALS:

- A. Wooden frame is to be constructed of 2" x 4" construction grade lumber.
- Wire mesh must be of sufficient strength to support filter fabric, and strong for curb inlets, with water fully impounded against it.
- Filter cloth must be of a type approved for this purpose, resistant to sunlight with weave size E08, 40-85, to allow sufficient passage of water and removal of sediment.
- Stone is to be 2" in size and clean since fines would clog the cloth.

II. PROCEDURE:

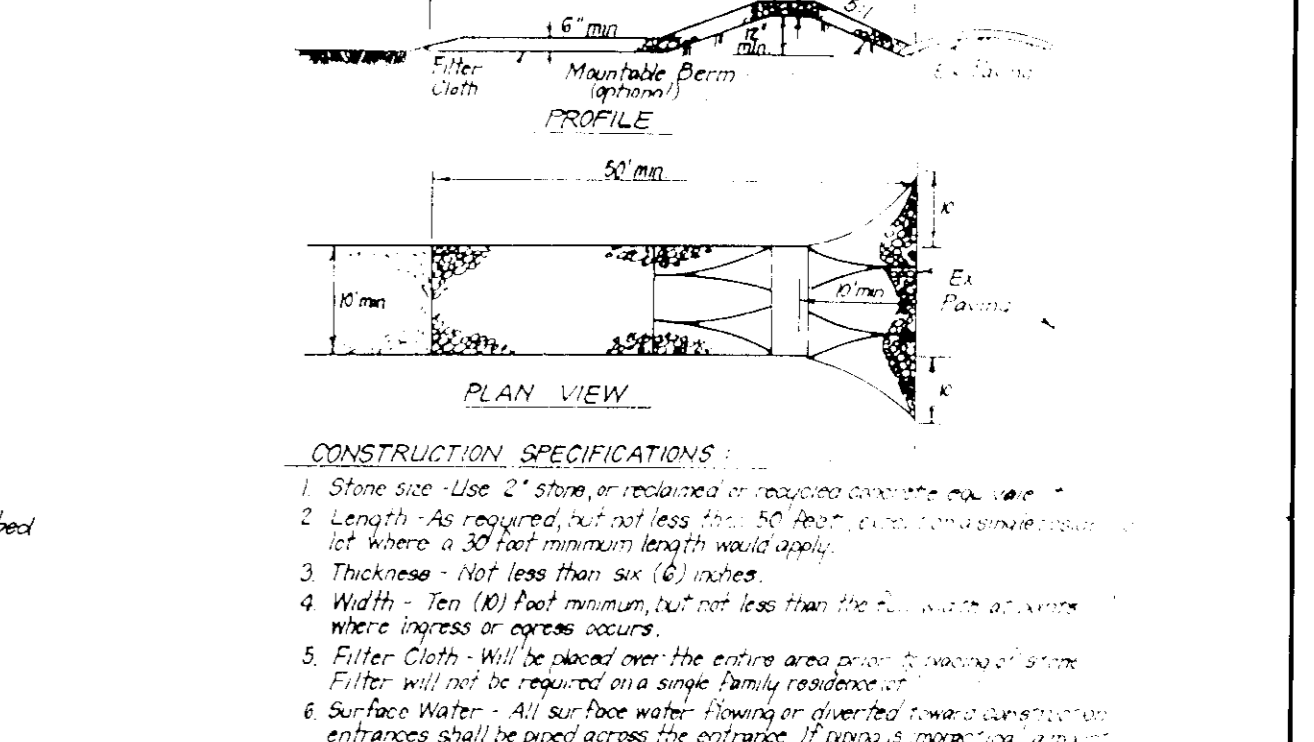
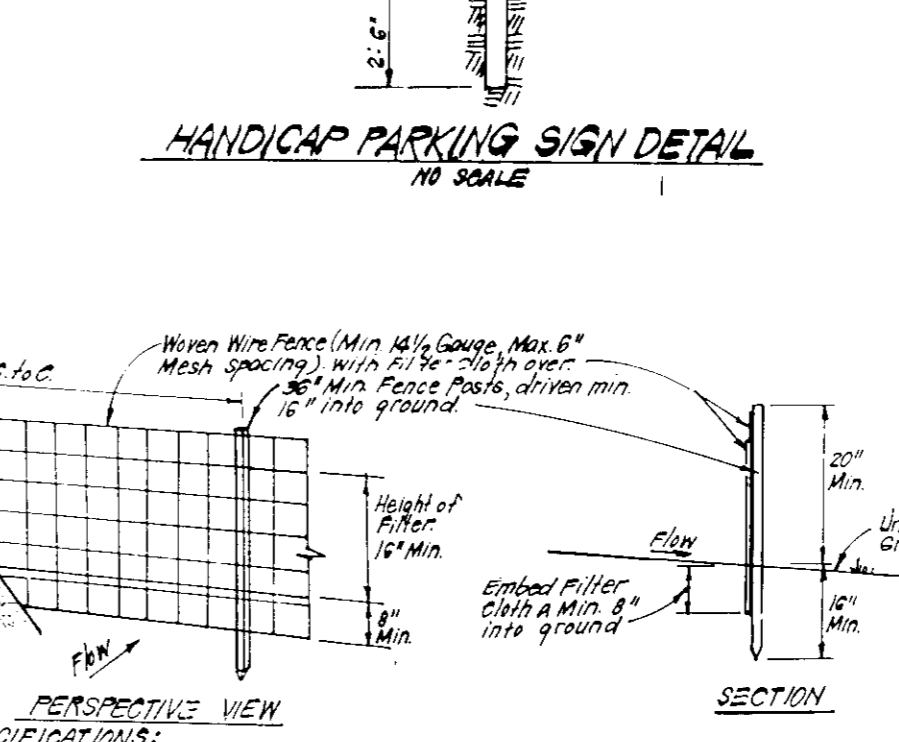
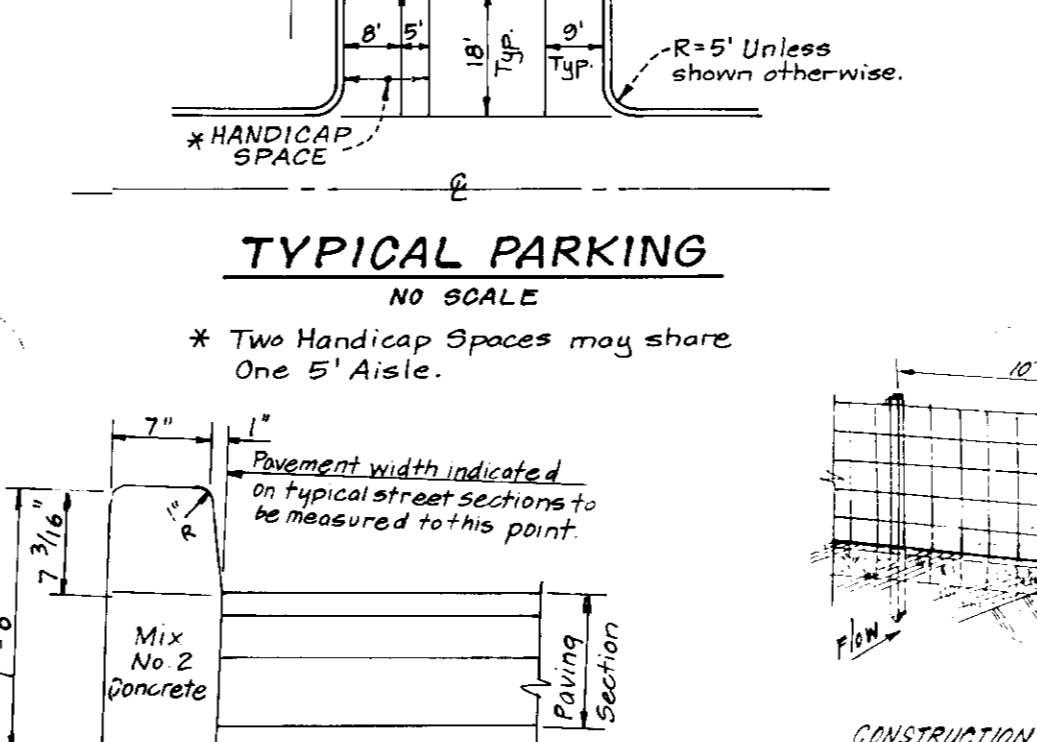
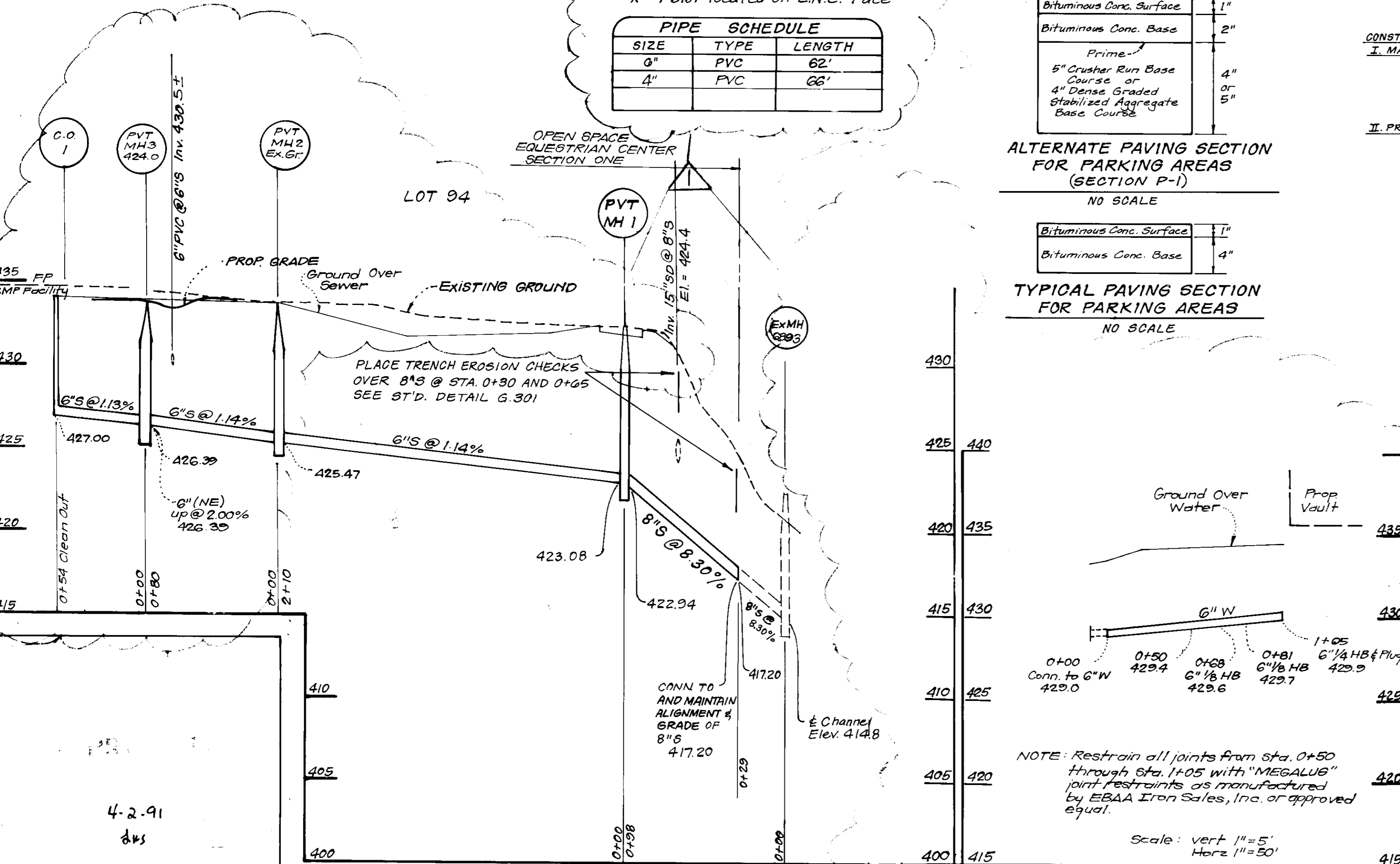
- Excavate completely around inlet to a depth of 18" below notch elevation.
- Drive 2" x 4" post into ground at four corners of inlet. Place post strips between posts on ends of inlet. Assemble top portion of 2" x 4" frame using overlap joint shown. Top of frame (weir) must be 6" below edge of roadway adjacent to inlet.
- Stretch wire mesh tightly around frame and fasten securely. Ends must meet at post.
- Stretch filter cloth tightly over wire mesh, the cloth must extend from top of frame to 18" below inlet notch elev. Fasten securely to frame. Ends must meet at post, be overlapped and fastened, then fastened down.
- Backfill around inlet in compacted 6" layers with 1/2" layer of stone even with notch elevation on ends and top elevation on sides.
- If the inlet is not in a low point, construct a compacted earth dike in the distance below. The top of earth dike is to be at least 6" higher than the top of frame (weir).
- The structure must be inspected frequently and filter fabric replaced when clogged.



CONSTRUCTION SEQUENCE

NO.	DESCRIPTION	DAYS
1	Obtain Grading Permit and Install Sediment and Erosion Control devices and stabilize.	7
2	Excavate for foundation and rough grade. Temporarily stabilize.	30
3	Install storm drainage and utilities. Repair roadway where excavated. Construct buildings, sidewalks, driveways, installed curb and gutter and pavement.	130
4	Connect building to storm drainage and utilities.	10
5	Fine grade and stabilize.	10
6	Remove sediment and erosion controls upon approval of Sediment and Erosion Inspector.	10

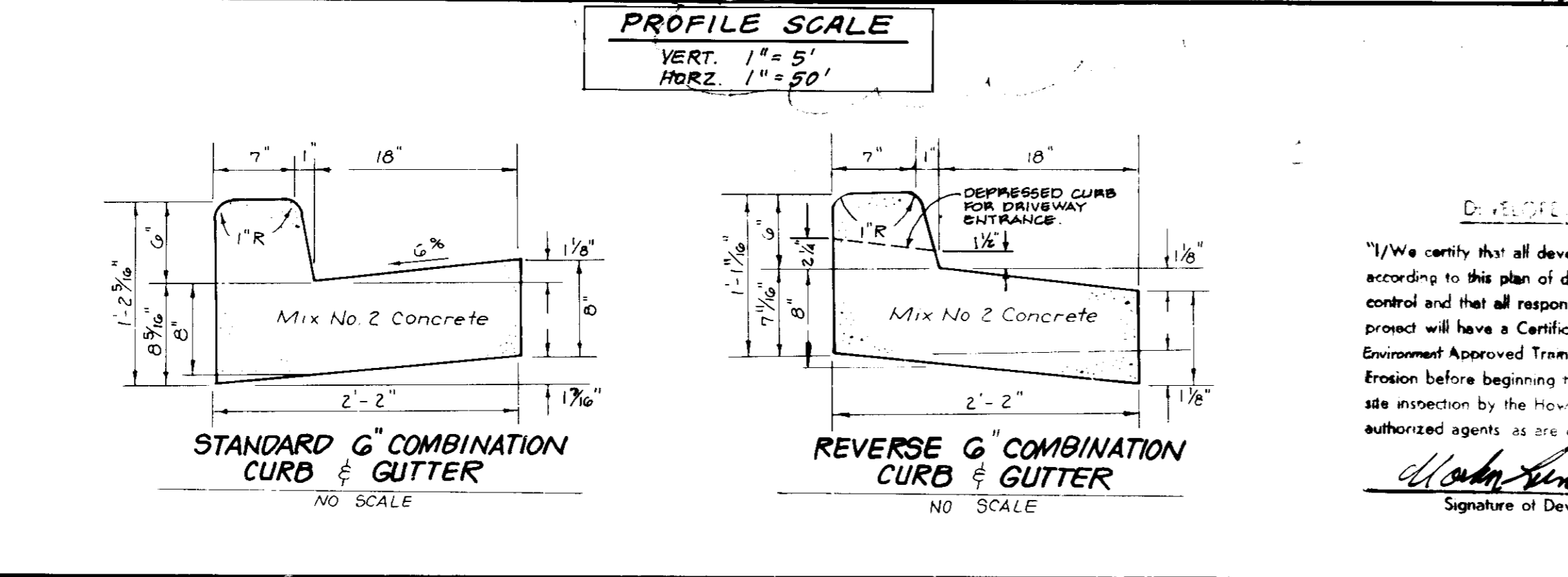
NOTE: Contractor/Builder must remove any sediment attributed to this construction from existing S.W.M. Pond.



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



CONSTRUCTION SPECIFICATIONS:

- Women wire fence to be fastened securely to fence posts with wire ties or staples.
- Filter cloth to be fastened securely to women wire fence with ties spaced every 24" at top and mid section.
- When 2 sections of filter cloth join each other, they shall be supported by 6" x 6" posts.
- Maintenance shall be performed as needed and material removed when "bulges" develop in Silt Fence.

CONSTRUCTION SPECIFICATIONS:

- Stone size - Use 2" stone or equivalent of required quantity of stone.
- Length - As required, but not less than 50 feet (except for small areas of stone a 30' minimum length may apply).
- Thickness - Not less than six (6) inches.
- Width - Ten (10) feet minimum, but not less than the width of any wire (staples or staples).
- Filter Cloth - Will be placed over the entire area from top of stone to surface of water. Filter will not be required on a single family residence.
- Surface Water - All surface water flowing on silt fence shall be contained in the entrance and shall be directed to the entrance. If possible, the entrance shall be berm with 5' slopes will be permitted.
- Maintenance - The entrance shall be maintained in a condition, when a permit tracking or paving of sediment into public right-of-way, may require periodic top dressing with additional stone as sand traps develop and repair and/or cleanup of any openings used to trap sediment. Sediment shall be removed, not tracked into public right-of-way. Must be removed immediately.
- Working - Methods shall be cleared to remove sediment prior to entrance into public right-of-way. When washing is required, it shall be done on an area stabilized with stone and which drains into an approved maintenance trapway.
- Periodic inspection and needed maintenance shall be provided.

STABILIZED CONSTRUCTION ENTRANCE (SCE)

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

Reviewed for HOWARD COUNTY S.C.D. Name: [Signature] Date: 5/30/91

U.S. Soil Conservation Service

ENGINEER'S CERTIFICATE

I hereby certify that this plan is a true and correct copy of the plan based on my conditions and

Signature of Developer/Builder: [Signature] Date: 12-14-90

Signature of Engineer: [Signature] Date: 12-13-90

No.	REVISION	Date
2	Rev. Water & Sewer Profiles & Pipe Schedule	6-19-92
1	Rev. Storm Drain, W/S Profiles, Structure & Pipe Schedule	1-21-92

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

7135 MINSTREL WAY • COLUMBIA, MD 21045 • (301) 281-7500 • BALTO. • (301) 621-8100 • WASH.

DESIGNED: DGT
DRAWN: BAL
CHECKED: DGT
DATE: Nov 1990

SCALE: As Shown
DRAWING: 2 OF 2
JOB NO: 90-134
FILE NO: 90-134X

FOR: NIRO ATOMIZER, INC. 997-8700
9155 RUMBLE ROAD
Columbia, Md. 21045

SDP-91-77