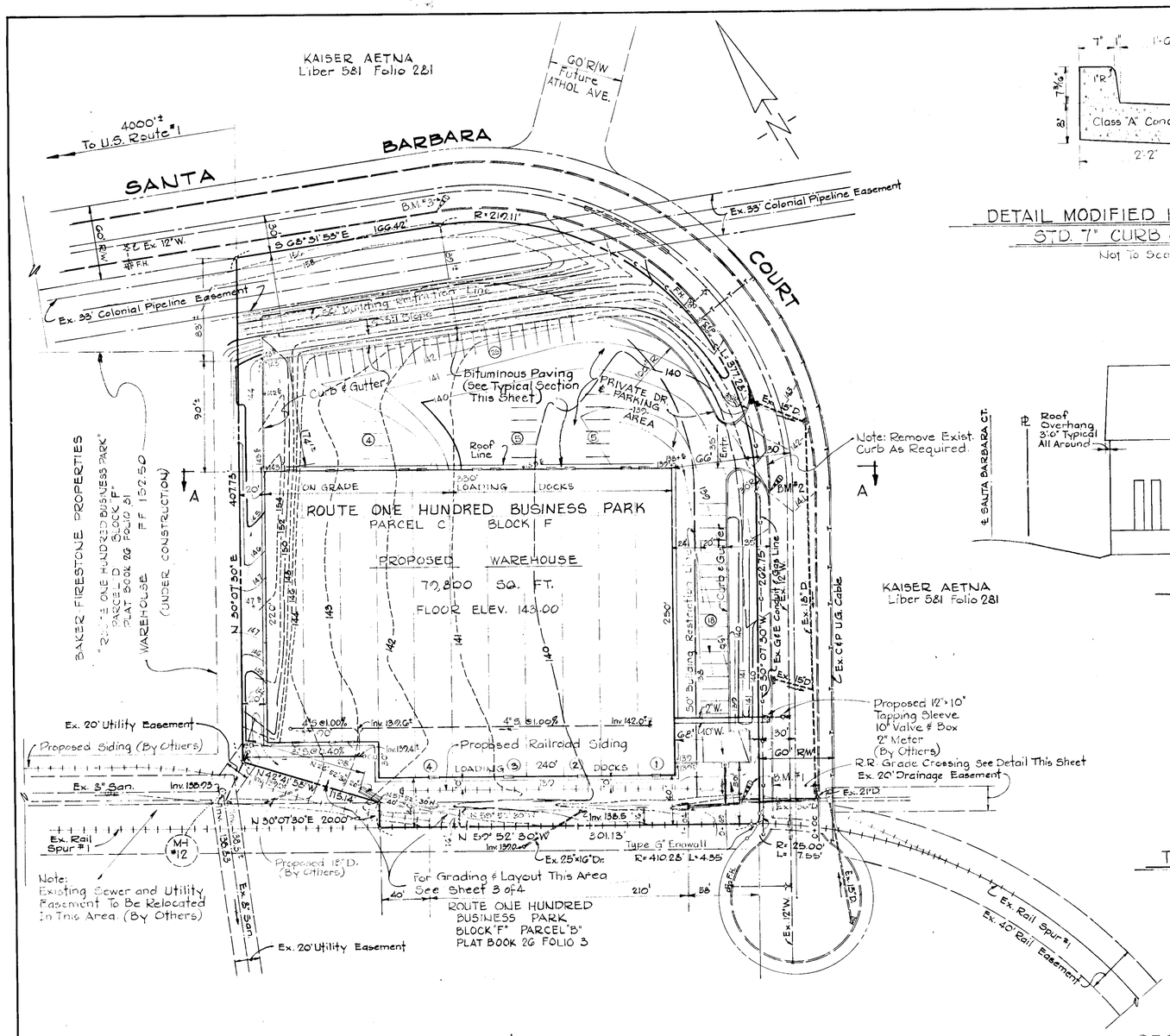
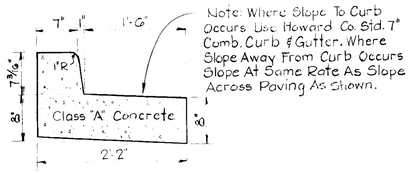


SITE PLAN

Scale: 1" = 50'

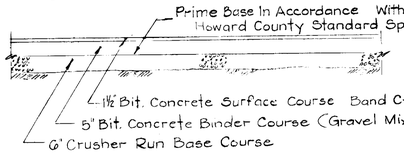


Note: Where Slope To Curb Occurs Use Howard Co. Std. 7" Comb. Curb & Gutter. Where Slope Away From Curb Occurs Slope At Same Rate As Slope Across Paving As Shown.

DETAIL MODIFIED HOWARD COUNTY STD. 7" CURB & GUTTER

Not To Scale

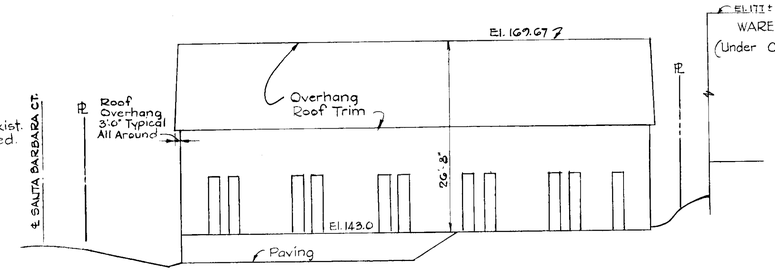
Clearing & Grading refer to Article C-1
Subgrade refer to Article C-2
Base Course refer to Article C-25
Binder Course refer to Article C-31 or C-33
Surface Course refer to Article C-31



TYPICAL PAVING SECTION

Not To Scale

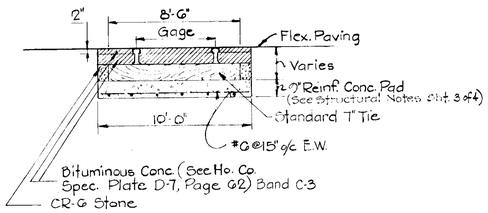
Notes:
1. All material and construction shall be in accordance with Howard County Road Construction Code and Standard Specifications.
2. Tack Coat is required and shall be placed in accordance with Section C-31-4 Howard County Standard Specifications.
3. The Base Will be primed in accordance with Section C-30-3 Ho. Co. Rd. Code



SCHEMATIC PROFILE

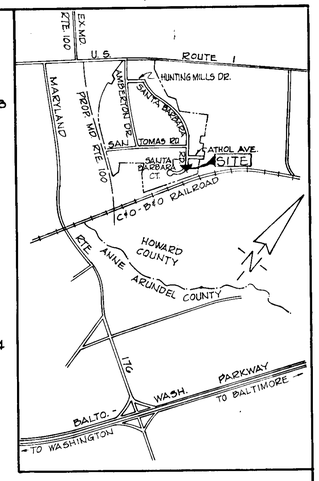
SECTION A-A

Scale: Horiz. 1" = 50' Vert. 1" = 10'



TYPICAL R.R. GRADE CROSSING

Not To Scale



VICINITY MAP

Scale: 1" = 2,000'

SUMMARY OF INFORMATION

EXISTING ZONING	M-2
TAX MAP NUMBER	37
AREA OF PARCEL 186,872 SQ. FT. or	4.29 Ac.
AREA OF PROPOSED WAREHOUSE	70,800 SQ. FT.
BUILDING AREA ALLOWED	50 %
BUILDING AREA PROVIDED	42.7 %
* PARKING SPACES REQUIRED	40
PARKING SPACES PROVIDED	57
PARKING SPACE SIZE	10' × 20'

* $\frac{1 \text{ employee}}{1{,}000 \text{ sq. ft. building area}} = \frac{\text{1 parking space}}{\text{2 employees}}$ $\frac{70.8}{2} = 40$

GENERAL NOTES

1. All utility and road construction shown on these plans shall be done in strict accordance with the latest edition of the Howard County Road Construction Code and Standard Specifications.
2. The base topography shown hereon is taken from a survey by:
   George William Stephens & Assoc., Inc.
   303 Alleghany Avenue
   Towson, Maryland
   October 8, 1974
3. The Contractor shall notify "Miss Utilities" Phone 559-0100 for the location of "Baltimore Gas & Electric" and "Chesapeake & Potomac" underground service at least five (5) days before starting work shown on this plan.
4. All Curb and Gutter shall be Modified 7 inch Curb and Gutter as detailed this sheet.
5. Dimensions to Building are to face of Building Walls.

SEQUENCE OF CONSTRUCTION

1. Construct Stone Berm At Entrance.
2. Construct Diversion Berm At Railroad Location.
3. Remove Existing Drain And Headwall (Santa Barbara Ct.)
4. Provide Filter Dam #1 (S.D. MH No. 5)
5. Construct New Drain, Inlet I-1 And Endwall E.W-1
6. Remove Filter Dam #1, Construct Filter Dam #2 At E.W-1
7. Construct Silt Trap At Inlet I-1
8. Grade Building Area And Construct Building.
9. Grade Paving And Slope Areas - Sod Slopes And Construct Pavement.
10. Construct Concrete And Rip Rap Channels.
11. Construct Railroad Siding.
12. Integrate Sediment Control Measures With Applicable Sequence Of Construction.

BENCH MARKS FOR CONSTRUCTION

1. X-cut on Headwall	Elev. 138.63
2. X-cut west side Santa Barbara Court	Elev. 141.07
3. X-cut south side Santa Barbara Court	Elev. 155.50

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 9/16/75

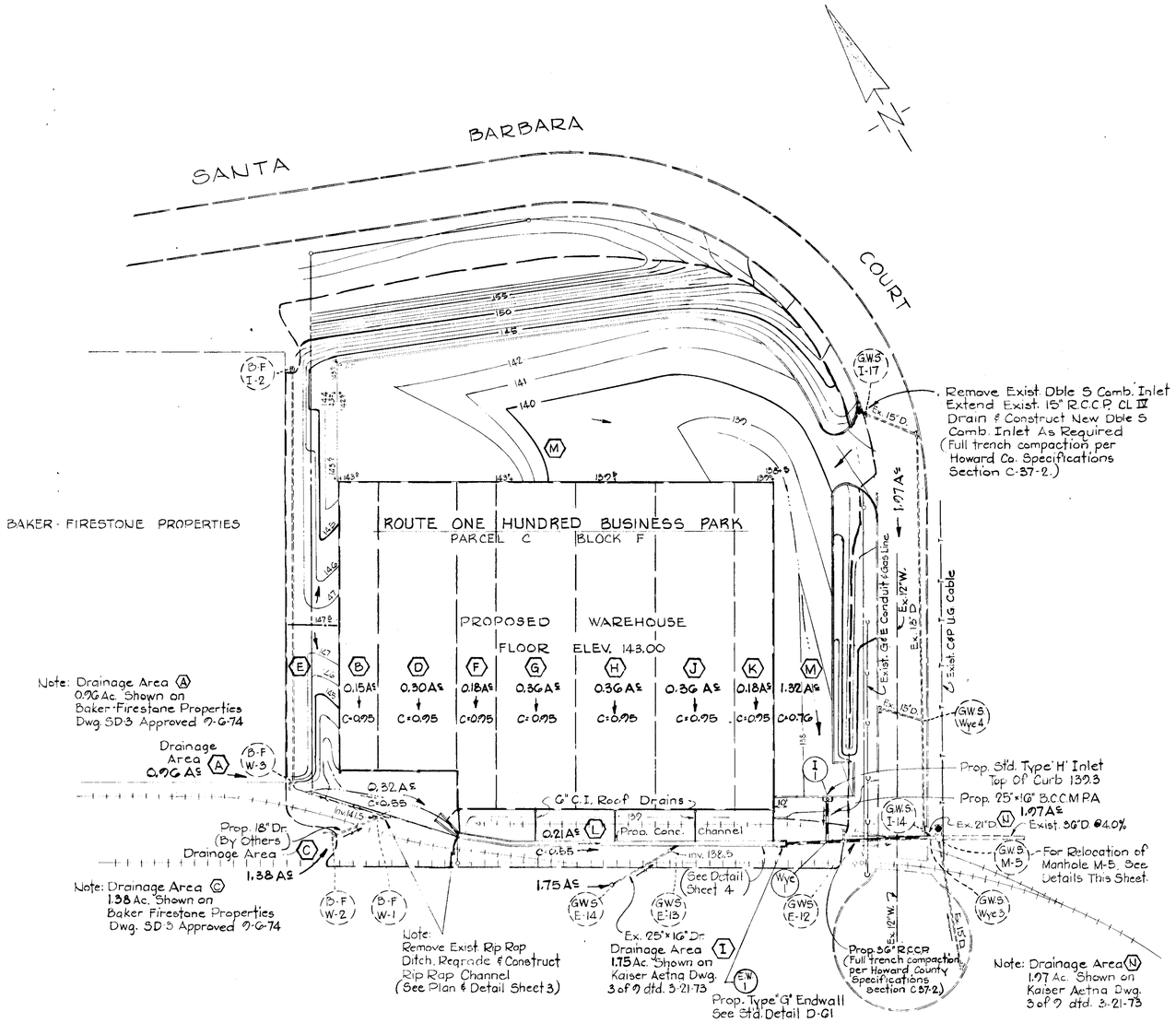
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR — DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING — DATE 11-11-75

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 9-9-75
CHIEF, BUREAU OF HIGHWAYS — DATE 9/5/75

DIRECTOR
DEPARTMENT OF PLANNING AND ZONING
HOWARD COUNTY, MARYLAND
DATE 8/5/75

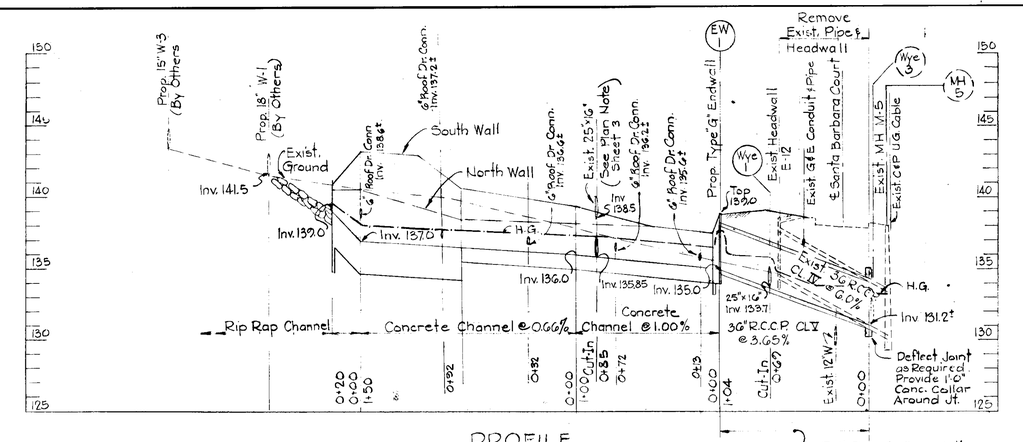
JAMES PETRICA & ASSOCIATES, INC. CONSULTING ENGINEERS 409 JEFFERSON BUILDING TOWSON, MARYLAND	OWNER TRAVENOL LABORATORIES, INC. 6301 LINCOLN AVENUE MORTON GROVE, ILLINOIS 60053 TAX MAP 37 PARCEL C	DEVELOPER LEROY M. MERRITT 1940 RUXTON ROAD TOWSON, MARYLAND 21204	SANTA BARBARA COURT PARCEL "B" & "F" HOWARD COUNTY, MARYLAND	SITE PLAN SANTA BARBARA COURT WAREHOUSE	SCALE As Shown	DRAWING NO. 1 OF 4	R.J.H. / R.J.H. / B.D.C.

SDP-75-64 Print Date: 7-28-75



DRAINAGE AREA MAP

Scale: 1" = 50'



PROFILE

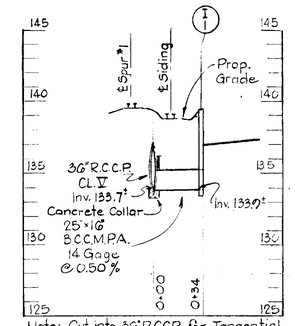
Scale: Horiz. 1" = 50'
Vert. 1" = 5'

ENDWALL SCHEDULE				
NO.	TYPE	SIZE	INV. OUT	REMARKS
EW-1	Std. Type "G"*	36"	135.00	Page 116

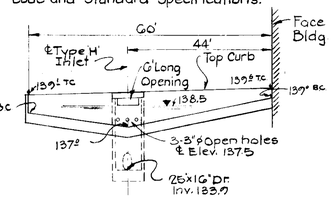
* Modify Wingwalls - See Profile Sheet 4.

INLET SCHEDULE					
NO	TYPE	Q (cfs)	INV. OUT	GRATE EL.	REMARKS
* I-1	Std. 'H' Inlet	6.8	138.9	———	Pg. 131 of Ho. Co. Road Code
** I-17	Dbl. "S" Comb.	3.1	139.5±	143.03	Pg. 154 of Ho. Co. Road Code (See Note)

* See Detail Below
** Relocated Existing Inlet - Reuse Grates, Frame & Support Beam.
Note: Remarks Column refers to the applicable page number for each structure as shown in the Howard County Road Construction Code and Standard Specifications.

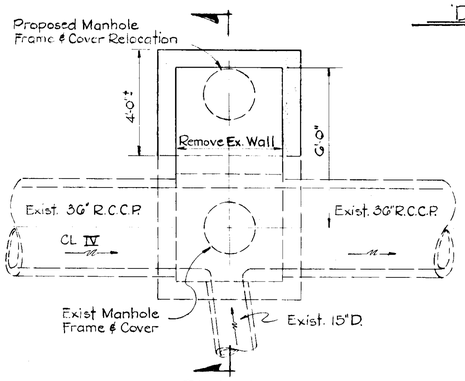


Note: Cut into 36" R.C.C.P. for Tangential Connection - Provide Concrete Collar min. 1'-0" depth.

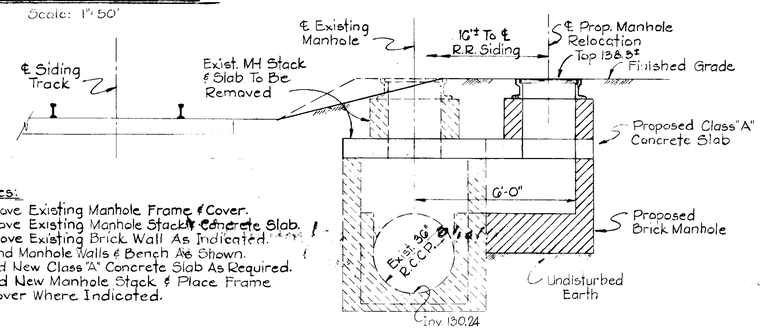


CURB DETAIL @ INLET I-1

Not To Scale



PLAN



Notes:
1. Remove Existing Manhole Frame & Cover.
2. Remove Existing Manhole Stack & Concrete Slab.
3. Remove Existing Brick Wall As Indicated.
4. Extend Manhole Walls & Bench As Shown.
5. Build New Class "A" Concrete Slab As Required.
6. Build New Manhole Stack & Place Frame & Cover Where Indicated.

SECTION

STORM DRAIN MANHOLE RELOCATION - MH No. 5

Scale: 3/8" = 1'-0"

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 9/16/75

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR — DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING — DATE

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 9-9-75
CHIEF, BUREAU OF HIGHWAYS — DATE 9/5/75

GENERAL NOTES

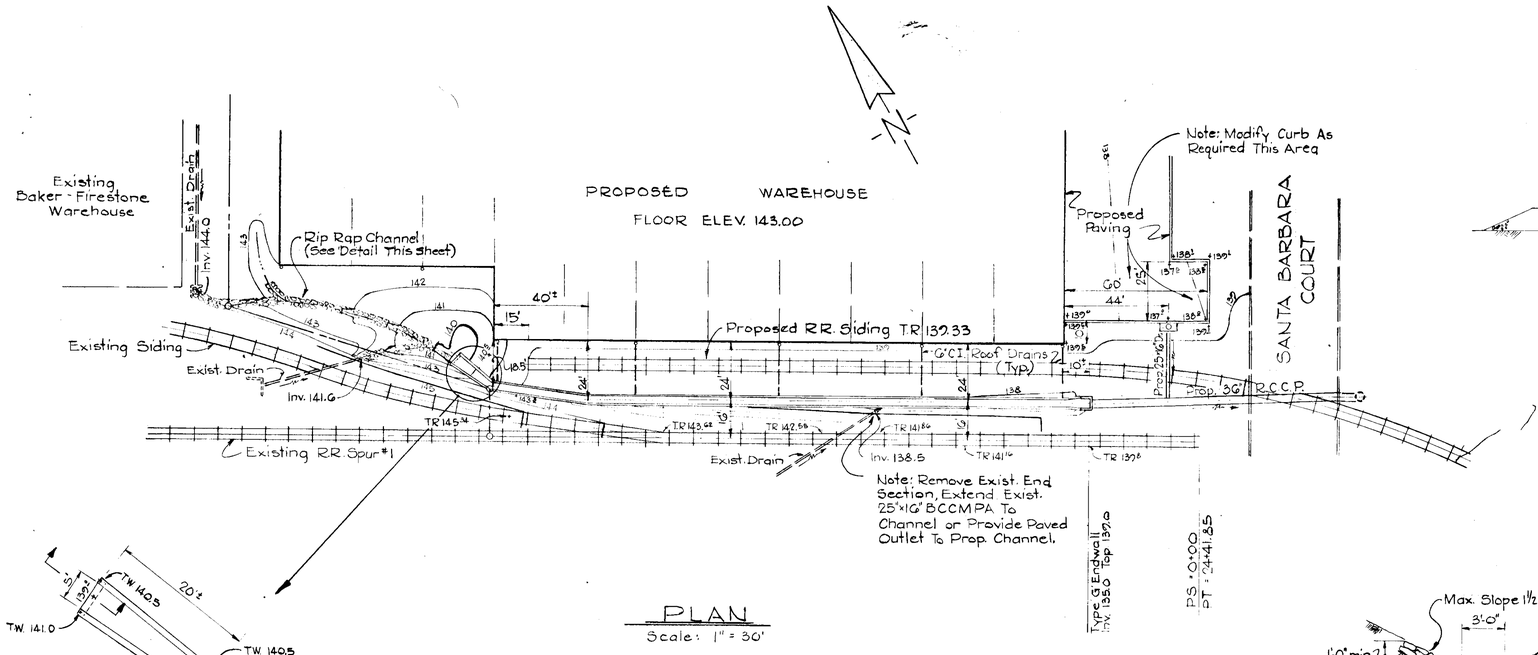
1. Standard Details Referenced refer to Howard County Metropolitan Commission Standard Road & Street Details
2. All Bituminous Coated Corrugated Metal Pipes and Arches shall be 14 gage - 25% paved unless otherwise noted.

8/5/75
J. H. Clawson Jr

JAMES PETRICA & ASSOCIATES, INC. CONSULTING ENGINEERS 409 JEFFERSON BUILDING TOWSON, MARYLAND	OWNER TRAVENOL LABORATORIES, INC. 6301 LINCOLN AVENUE MORTON GROVE, ILLINOIS 60053 TAX MAP 27 PARCEL C	DEVELOPER LEROY M. MERRITT 1940 RUXTON ROAD TOWSON, MARYLAND 21204	ROUTE ONE HUNDRED BUSINESS PARK PARCEL C BLOCK F 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	STORM DRAINS SANTA BARBARA COURT WAREHOUSE	SCALE As Shown	DRAWING NO. 2 OF 4	

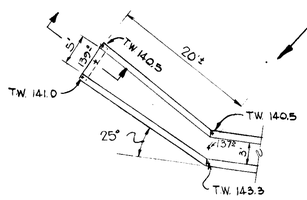
SDP-75-64

7-28-75

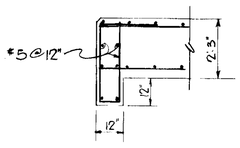


PLAN

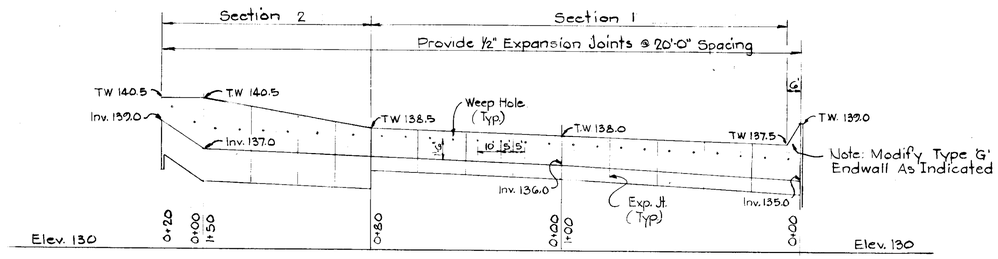
Scale: 1" = 30'



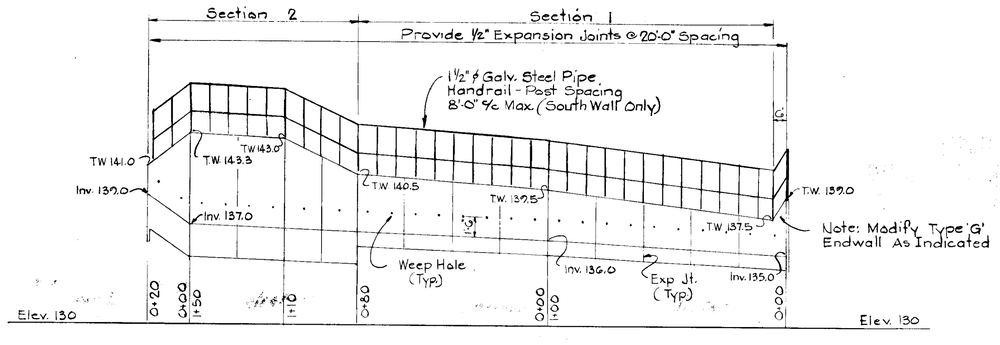
PART PLAN



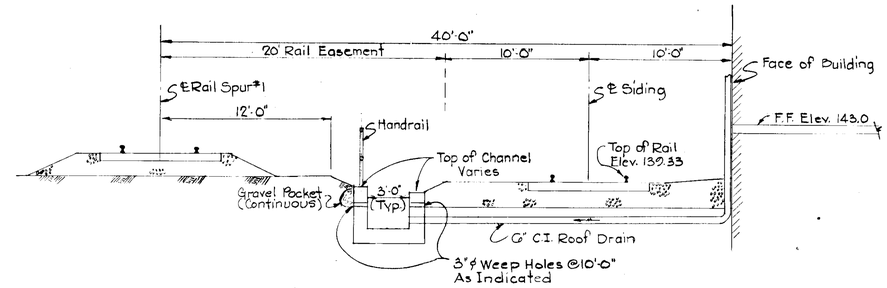
END SECTION



PROFILE ~ NORTH WALL

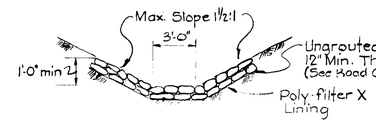


PROFILE ~ SOUTH WALL

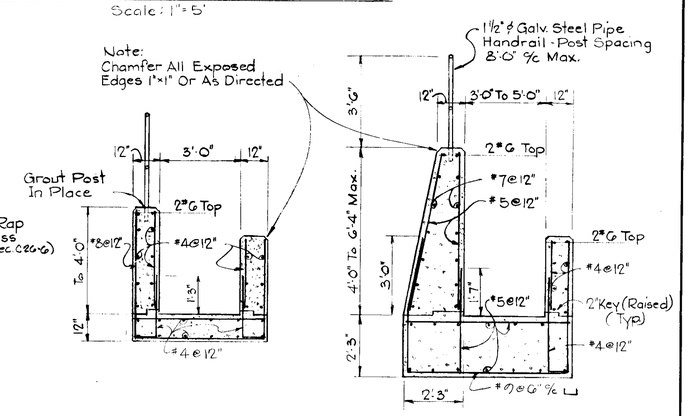


TYPICAL SECTION AT R.R. SIDING

Scale: 1" = 5'



RIP-RAP CHANNEL



SECTION 1 SECTION 2

TYPICAL CHANNEL SECTIONS

Scale: ¼" = 1'-0"

STRUCTURAL NOTES

1. Reinforcing Steel shall conform to A.S.T.M A615 Grade 60.
2. Concrete shall have a minimum strength of 3000 psi after 28 days.

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
DATE 8/5/75

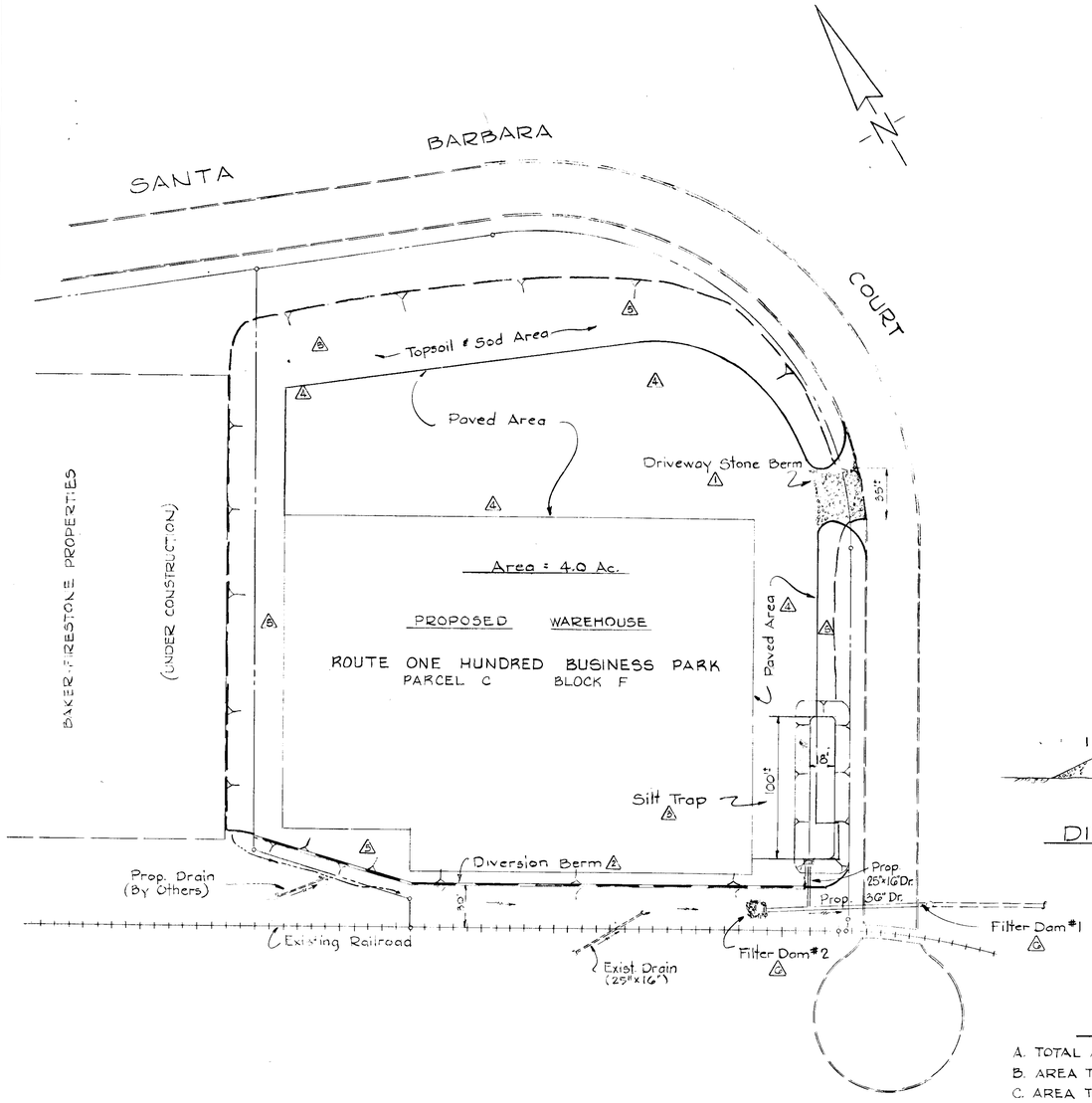
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 9/16/75

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR — DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING — DATE 9/11/75

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 9-9-75
CHIEF, BUREAU OF HIGHWAYS — DATE 9/5/75

JAMES PETRICA & ASSOCIATES, INC. CONSULTING ENGINEERS 409 JEFFERSON BUILDING TOWSON, MARYLAND	OWNER TRAVENOL LABORATORIES, INC. 6301 LINCOLN AVENUE MORTON GROVE, ILLINOIS 60053 TAX MAP 37 PARCEL C	DEVELOPER LEROY M. MERRITT 1940 RUXTON ROAD TOWSON, MARYLAND 21204	ROUTE ONE HUNDRED BUSINESS PARK PARCEL G BLOCK F 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	STORM DRAINS SANTA BARBARA COURT WAREHOUSE	SCALE As Shown	DRAWING NO. 3 OF 4	R.J.H. R.J.H. S.D.J.

SDP-75-64 Print Date 7-17-75

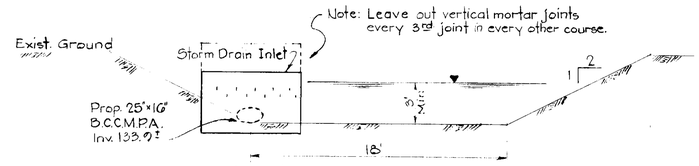


SITE PLAN

Scale: 1"=50'

SILT TRAP DESIGN DATA

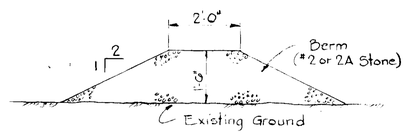
Required Area	67 cu. yds/Ac.
Site Drainage Area	4.0 Ac.
Total Silt Trap Aera Required	268 cu. yds.
Water Storage Depth	3.0 Ft.
Average Trap Width	24.0 Ft.
Capacity / Ft.	2.7 cu. yds.
Length Required	100.0 Ft.



Note: Silt Trap to be cleaned out when silt accumulate to 1.5' below top of inlet

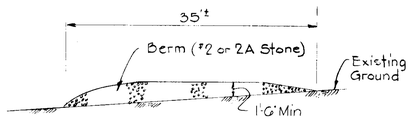
SILT TRAP CROSS SECTION

Not To Scale



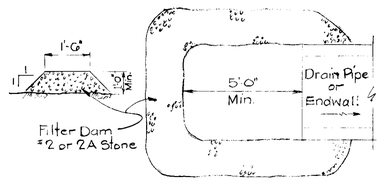
DIVERSION BERM

Not To Scale



DRIVEWAY STONE BERM

Not To Scale



FILTER DAM #1 & #2

Not To Scale

SITE ANALYSIS

A. TOTAL AREA OF THE SITE	186,872 SQ. FT.
B. AREA TO BE GRADED	165,872 SQ. FT.
C. AREA TO BE PAVED	51,150 SQ. FT.
D. AREA OF ROOF	72,800 SQ. FT.
E. AREA TO BE REVEGATATED	0
F. AREA TO BE SODDED	7,900 SQ. FT.
G. AREA TO BE UNDISTURBED	21,000 SQ. FT.

SEDIMENTATION & EROSION CONTROL MEASURES

1. Contractor shall construct the driveway stone berm where shown on the plan. See details this sheet.
2. Construct 2' Wide × 1'-6" High Diversion Berm where shown on the plan. See details this sheet.
3. Construct 18' Wide × 100' Long (Silt Trap) around proposed inlet See details this sheet.
4. Contractor shall construct the stone base course for the proposed paved areas immediately after sub-grading operations.
5. Contractor shall topsoil and sod all unpaved areas immediately after sub-grading operations.
6. Contractor shall construct stone filter dam where shown on the plan. See details this sheet.
7. Intergrate Sequence of Construction with Applicable Sedimentation & Erosion Control Measures.

SEDIMENTATION CONTROL NOTES

1. All berms and traps shall be stabilized with unchopped, unweathered small grain straw according to this plan prior to any other grading, clearing, or disturbance of the existing surface of the site.
2. All structural sediment control measures are to remain in place until permission for their removal from Howard Soil Conservation District, phone 465-3180 or 465-5000 - Ext. #28. has been granted.
3. Notify the Howard Soil Conservation District at least 24 hours before starting work.

SODDING SPECIFICATIONS

I - SOIL PREPARATION

1. Topsoil all unpaved areas with minimum 4 inches of topsoil free of stones, lumps or debris.
2. Apply a commercial fertilizer having a minimum composition (10-10-10) at the rate of 25 lbs./1000 sq. ft.
3. Apply hydrated lime over the topsoiled area at the rate of 50 lbs./1,000 sq. ft.
4. The lime and fertilizer shall be uniformly mixed into the top 4 inches of topsoil by discing, harrowing or other approved methods of tilling.
5. All irregularities or undulations in the surface resulting from fertilizing, liming, tilling or other causes shall be leveled prior to sodding. Flooded, washed out or areas damaged shall be reconstructed in accordance with the grading shown on the site plan.

II - SOD MATERIALS AND INSTALLATION

1. The contractor shall furnish and install turfgrass sod having a State "Approved Sod" label consisting of Kentucky Bluegrass having the following mixture: 30-65% Merion, 30-65% Kenblue or South Dakota certified and 0-35% Fylking, Pennstar or Windsor.
2. Sod shall be machine cut at a uniform soil thickness of ¾" ± to ¼".
3. Sod shall be harvested, delivered and installed within a period of 36 hrs.
4. Sod placed on slopes 3:1 or greater shall be laid with the long edges parallel to the contour starting at the bottom of the slope. Successive strips shall be neatly matched and all joints staggered. Sod shall be securely pegged with at least 2 stakes spaced not more than 2 feet apart with the flat side against the slope. Stakes shall be ½"×1"×6" to ½"×1"×12" as required to insure stabilization of the sod, and driven flush with the top of sod.
5. All sod shall be rolled and thoroughly watered immediately after installation.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT
COUNTY HEALTH OFFICER — DATE 8/18/75

APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR — DATE
CHIEF, DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING — DATE 9/22/75

APPROVED: FOR PUBLIC WATER, PUBLIC SEWERAGE AND STORM DRAINAGE SYSTEMS AND ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
DIRECTOR — DATE 9-9-75
CHIEF, BUREAU OF HIGHWAYS — DATE 9/5/75

APPROVED
DIVISION OF LAND DEVELOPMENT AND TRANSPORTATION PLANNING
HOWARD COUNTY, MARYLAND
8/5/75

Reviewed for HOWARD COUNTY S.C.D. and meets Technical Requirements

Eric V. Herman — Signature — 8/27/75 Date
U.S. Soil Conservation Service

This development plan is approved for soil erosion and sediment control by the Howard Soil Conservation District

Robert W. Ziehm — Approved — 8/27/75 Date
Howard S.C.D.

By the Developer:

"I certify that all development and/or construction will be done according to this plan of development and plan for Erosion and Sediment Control, and I also authorize periodic on-site inspection by the Howard Soil Conservation District or their authorized agents, as are deemed necessary."

Scott Irvin / Agent — Signature of Developer — Jan. 10, 1975 Date

By the Engineer:

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

Susan Jones — Signature of Engineer — Jan 10, 1975 Date

JAMES PETRICA & ASSOCIATES, INC. CONSULTING ENGINEERS 409 JEFFERSON BUILDING TOWSON, MARYLAND	OWNER TRAVENOL LABORATORIES, INC. 6301 LINCOLN AVENUE MORTON GROVE, ILLINOIS 60053 TAX MAP 37 PARCEL	DEVELOPER LEROY M. MERRITT 1940 RUXTON ROAD TOWSON, MARYLAND 21204	ROUTE ONE HUNDRED BUSINESS PARK PARCEL C BLOCK F 1ST ELECTION DISTRICT HOWARD COUNTY, MARYLAND	SEDIMENT CONTROL PLAN SANTA BARBARA COURT WAREHOUSE	SCALE As Shown	DRAWING NO. 4 OF 4	REV.

SDP-75-64 7-17-75