

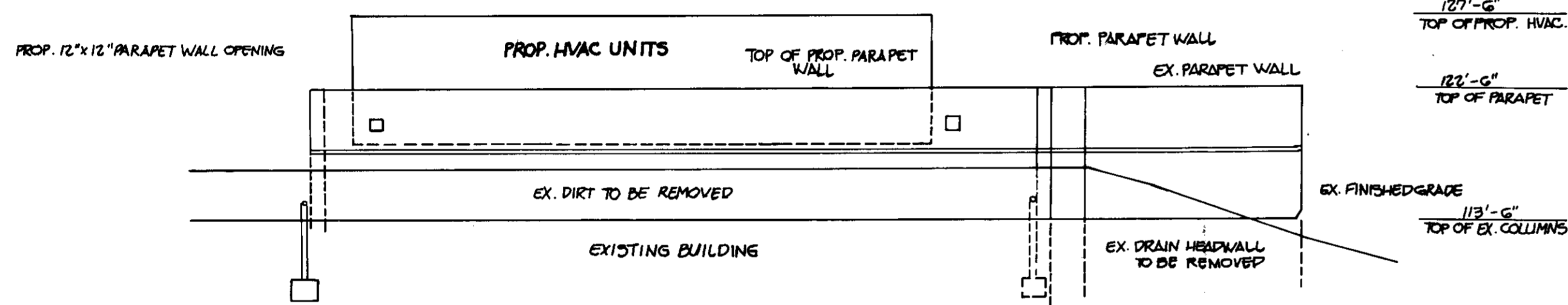
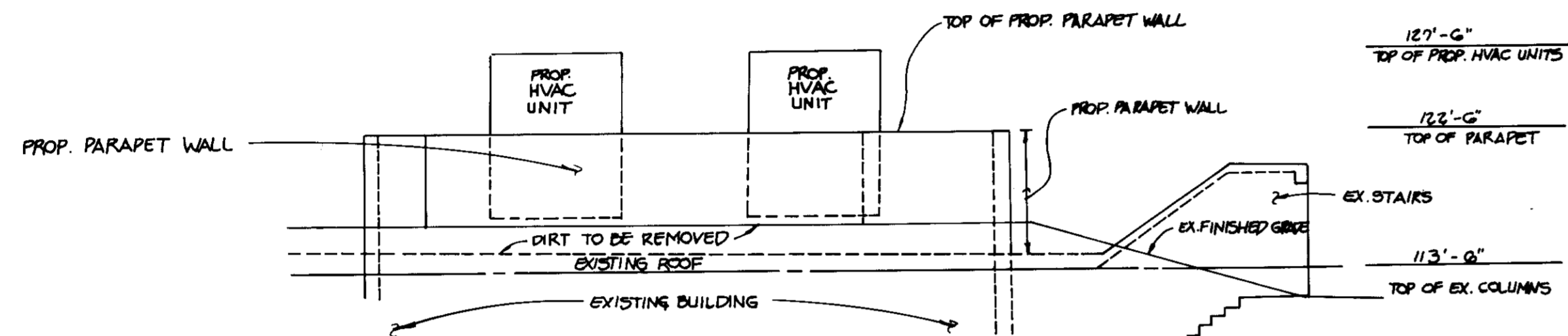
SEQUENCE OF CONSTRUCTION

1. Obtain a building permit.
2. Install a stabilized construction entrance, earth dikes and straw bay dam fence where required. (5 days)
3. Install sedimentation basin with stone outfall. (2 days)
4. Grade site without disturbing sediment control basin and stabilize in accordance with temporary seeding measures. (7 days)
5. Commence building construction.
6. Install final paving after completion of construction.
7. grade retention basin and install outfall lines and concrete work. (10 days)
8. Upon approval of the Howard County Department of Public Works Sediment Control Inspector, remove remaining sediment control devices. (3 days)

SEDIMENT CONTROL NOTES

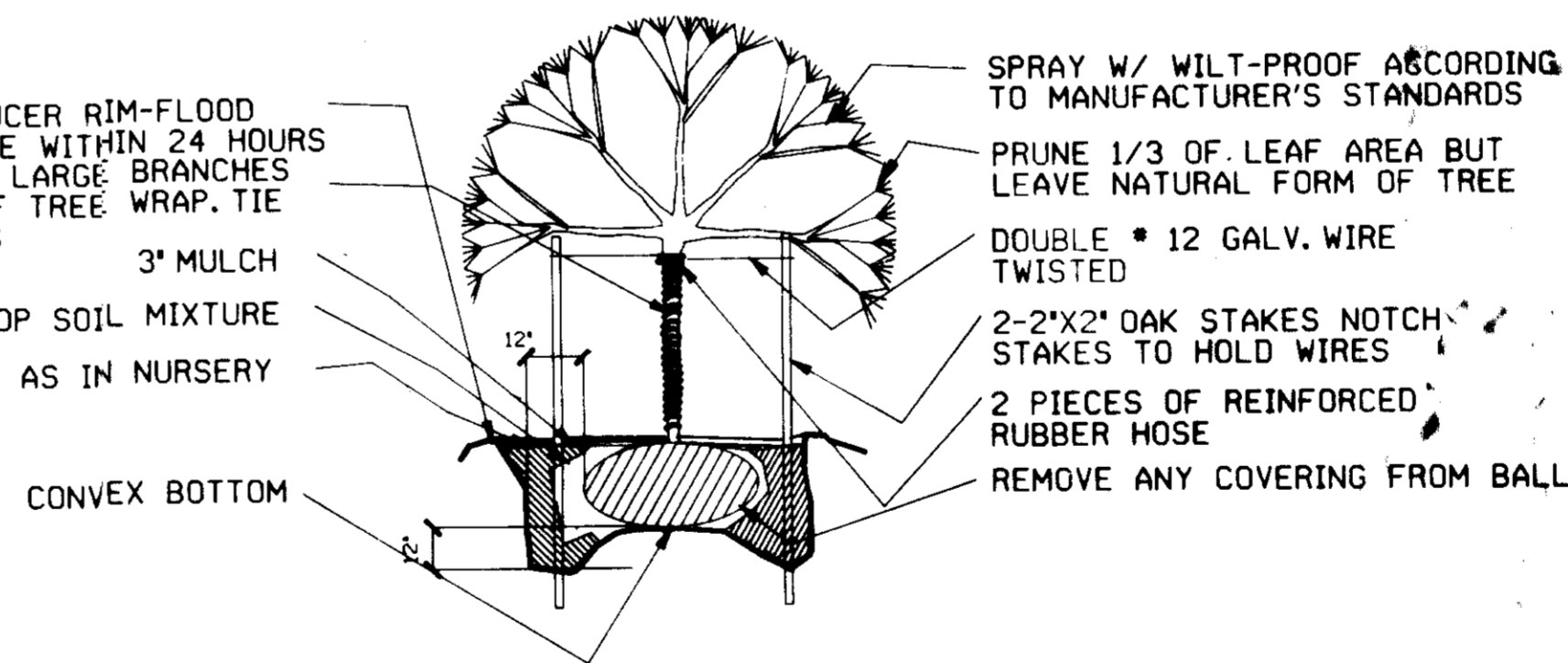
1. A minimum of 24 hours notice must be given to the Howard County Office of Inspections and Permits prior to the start of any construction (1992-2437).
2. All vegetative and structural practices are to be installed according to the provisions of this plan and are to be in conformance with the 1983 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
3. Following initial soil disturbance or redistribution, permanent or temporary stabilization shall be completed without:
 - a. Seven calendar days for all permanent 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 Volume I, Chapter 1 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 sod (Sec. 54) and 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	7,335 Acres
Area disturbed	2.88 Acres
Area to be paved	0.117 Acres
Roof covered with sod	
Area to vegetatively stabilized	2.76 Acres
Total cut	3,650 cu.yds.
Total fill	3,580 cu.yds.
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 controls must be provided, if deemed necessary by the Howard County DPW sediment control inspector.
10. Site grading will begin only after all perimeter sediment control measures have been installed and are in a functional condition.
11. Sediment will be removed from traps when its depth reaches the clean out elevations (i.e. flow line of weir).



CONSTRUCT 3" SAUCER RIM-FLOOD WITH WATER TWICE WITHIN 24 HOURS WRAP TRUNK AND LARGE BRANCHES WITH WATERPROOF TREE WRAP. TIE AT 24" INTERVALS

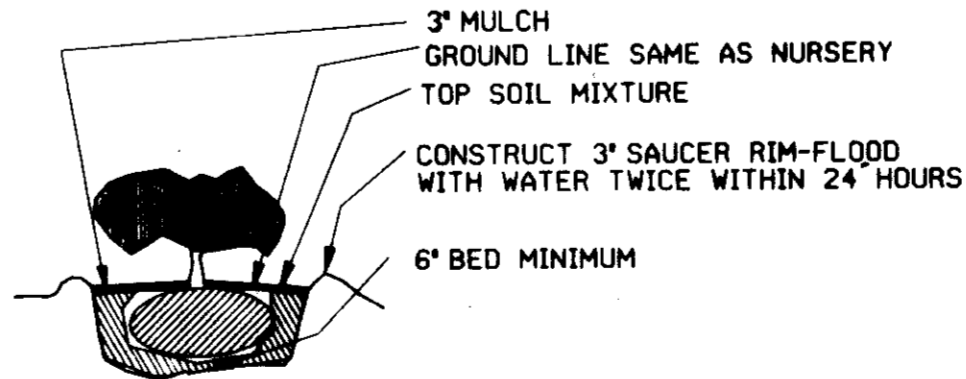
3" MULCH
TOP SOIL MIXTURE
GROUND LINE SAME AS IN NURSERY



SPRAY W/ WILT-PROOF ACCORDING TO MANUFACTURER'S STANDARDS
PRUNE 1/3 OF LEAF AREA BUT LEAVE NATURAL FORM OF TREE

DOUBLE # 12 GALV. WIRE TWISTED
2-2"x2" OAK STAKES NOTCH STAKES TO HOLD WIRES
2 PIECES OF REINFORCED RUBBER HOSE
REMOVE ANY COVERING FROM BALL

TREE PLANTING DETAIL



SHRUB PLANTING DETAIL

GENERAL NOTES & DETAILS

GENERAL NOTES:

1. All water lines shall be constructed a minimum of 42" cover below finish grade.
2. Corrugated steel pipe sections will be joined with a single or two piece corrugated band with a water-tight neoprene gasket. Dimple band connectors will not be permitted.
3. All work shall be performed in accordance with the Howard County Design Manual, Volume IV, i.e. STANDARD SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
4. Approximate location of existing utilities are shown. The Contractor shall take all necessary precautions to protect the existing utilities and maintain uninterrupted service. Any damage incurred due to contractor's operation shall be repaired immediately at the Contractor's expense.
5. The Contractor shall test pit existing facilities, where directed by the Engineer, a minimum of two weeks in advance of construction operations.
6. Contractor shall notify the following utilities or agencies at least five days before starting work shown on these drawings:

Miss Utility	559-0100
C & P Telephone Company	725-9976
Howard County Bureau of Utilities	492-2366
A & T Cable location Div.	393-3553
Baltimore Gas & Electric	685-0123
State Highway Administration	531-5533
Howard County Construction/Inspection Survey Division (24 Hour notice prior to commencement of work)	792-7272
7. All inlets to be constructed to Howard County Standards.
8. All pipe elevations shown are invert elevations.
9. The Contractor shall provide a joint in all sewer mains within 2'-0" of exterior manhole walls.
10. Survey topography was taken from survey boender associates, dated 7/17/85.
11. All plan dimensions are face to face of curb unless noted otherwise.
12. No pipe shall be laid until lines of excavation are brought to sub-grade.
13. Profile stations shall be adjusted to conform to plan dimensions.
14. All storm drain pipe bedding shall be as shown in Detail 02.01 (trench in rock or trench in earth as determined by field conditions) in Vol. IV of Howard County Design Manual unless otherwise directed by the engineer or as shown on the drawings.
15. The Developer is responsible for the acquisition of all easements, rights and/or rights-of-way that may be required for the sediment and erosion control practices, storm water management practices and the discharge of storm water onto or across adjacent or downstream properties included in this plan. He is also responsible for the acquisition of all easements, rights and/or rights-of-way that may be required for grading and/or work on adjacent properties included in this plan.

STORM CALCULATIONS

RELAY MARYLAND	US TELECOM SITE	25-104		
A = 1.87 acres. L = .09460 miles LCA = .043 miles SE = 7.5				
SEWERAGE IS SPARSE	PERCENT IMPERVIOUS	30%		
TIME TO PEAK 30 MIN.	INFILTRATION RANGE	1.30 TO 1.0 in/hr.		
PERVIOUS STORAGE 25 IN.	IMPERVIOUS STORAGE	.10 in.		
DESIGN STORM IS 100 YRS.	VOLUME IS	.16212E+05		
TIME MIN.	HYDROGRAPHY cfs	INC. IN.	EFF. RAIN	VOLUME
5	3	.455	.174	.98338E+03
10	16	.910	.352	.59186E+04
15	15	.650	.570	.10310E+05
20	8	.358	.276	.12852E+05
25	5	.260	.176	.14399E+05
30	3	.163	.077	.15163E+05
35	1	.098	.029	.15496E+05
40	1	.065	.020	.15673E+05
45	1	.065	.020	.15820E+05
50	1	.065	.020	.15963E+05
55	1	.065	.020	.16105E+05
60	1	.033	.010	.16193E+05

1. HYDRO 35 100 YEAR = 3.25" / HOUR RELAY JUNCTION, MARYLAND
2. DISTRIBUTION based on Huff's Distribution for 1st quartile storm.



SEDIMENT CONTROL
I/We certify that all development and construction will be done according to this plan, and that any responsible personnel involved in the construction project will have a Certificate of Attendance at a Department of Natural Resources Approved Training Program for the Control of Sediment and Erosion before beginning the project.

By the Developer:
Walt Cary (Sun) US TELECOM DATE 6/27/86

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 the Howard County Conservation District.

Robert L. Ridenour 5/13/86
ROBERT L. RIDENOUR DATE

Reviewed for *Howard* S.C.D.
Name and meets Technical Requirements.

J. Helen 7/1/86
J. HELLEN DATE
U.S. SOIL CONSERVATION SERVICE

1ST ELECTION DISTRICT
HOWARD COUNTY MARYLAND

APPROVED
DIVISION OF LAND DEVELOPMENT & ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 4-9-86

APPROVED: *James Balcer* 7-8-86
COUNTY HEALTH OFFICER DATE

APPROVED: *Thomas A. Hays* 7-9-86
HOWARD COUNTY OFFICE OF PLANNING AND ZONING DATE

APPROVED: *John W. McManus* 7-9-86
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION DATE

APPROVED: *Stephen L. Helen* 7/1/86
HOWARD S.C.D. DATE

APPROVED: *Stephen L. Helen* 7/1/86
FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS, HOWARD COUNTY HEALTH DEPARTMENT

AREA US TELECOM PARCEL P175
PLAT 756/828 BLOCK 4 10 ZONE M-2
TAX/ZONE MAP 38 CENSUS TRACT 6802

APPROVED: *John W. McManus* 7-3-86
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS DATE

APPROVED: *John W. McManus* 7-3-86
CHIEF, BUREAU OF ENGINEERING DATE

8582
JOB NUMBER

APPROVED
MARCH 3, 1986
DATE

REVISIONS

ARCHITECTURAL REGISTRATION BOARD
STATE OF MARYLAND
PROFESSIONAL SEAL

CHAMPLIN ARCHITECTS
Member American Institute of Architects
8825 Long
Lenexa, Kansas 66215
(913) 888-6059
CONTRACTOR SHALL VERIFY ALL DIMENSIONS ON JOB SITE.

SWITCH CENTER
6050 RACE ROAD
RELAY, MARYLAND

US Telecom
PO BOX 8490, KANSAS CITY, MO, 64114

C.3 OF 3

SDP-86-101

Revision	Date	Description
1	2/18/92	Profile of HVAC Units

