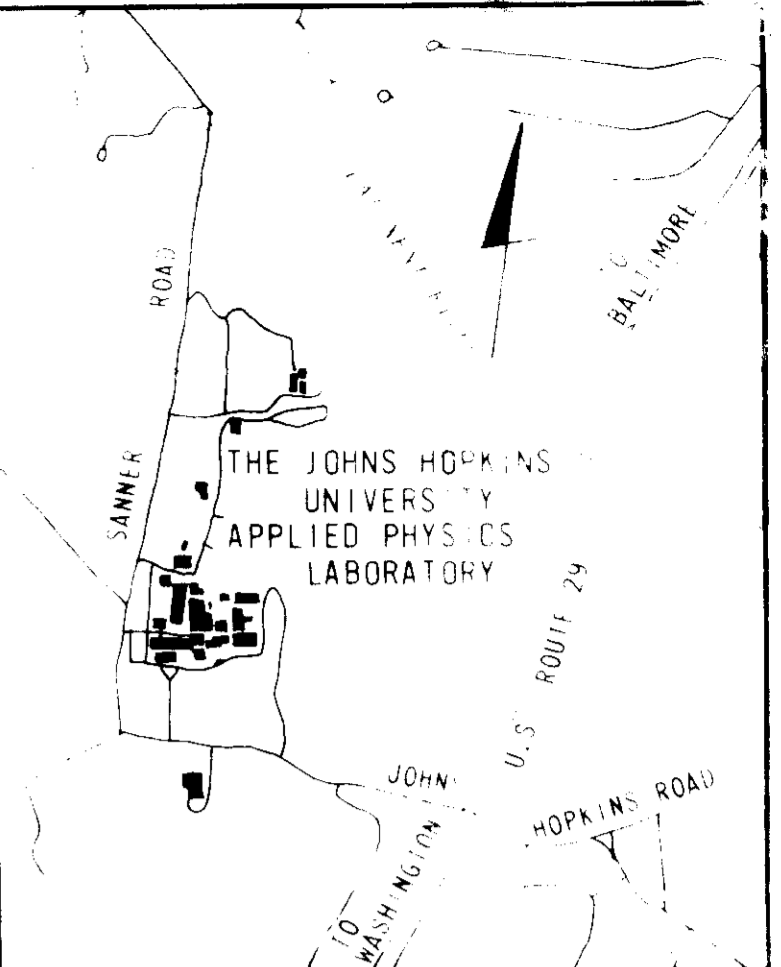
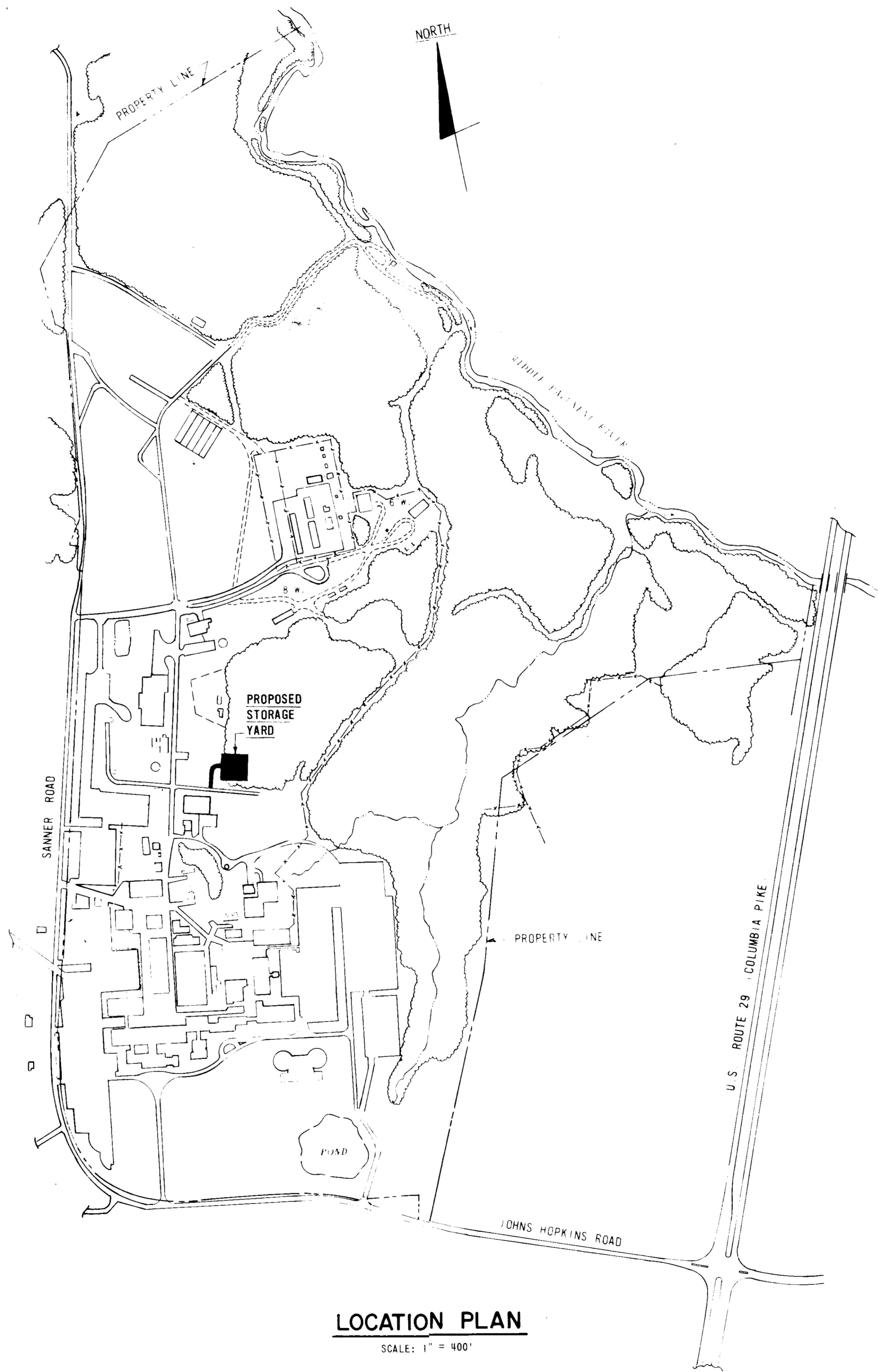


GENERAL NOTES

- ALL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE HOWARD COUNTY SPECIFICATIONS AND DETAILS FOR CONSTRUCTION.
- ELEVATIONS SHOWN ARE BASED ON THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY DATUM. JHU-APL-DATUM - 0.94' = HOWARD COUNTY DATUM.
- THE CONTRACTOR SHALL CALL MISS UTILITY (301) 559-0100. FIVE DAYS PRIOR TO THE START OF CONSTRUCTION.
- POLY FILTER X FILTER CLOTH BLANKET OR EQUAL SHALL BE PLACED UNDER ALL STONE RIP RAP.
- APPROXIMATE LOCATION OF EXISTING UTILITIES ARE SHOWN. THE CONTRACTOR SHALL ALL NECESSARY PRECAUTIONS TO PROTECT THE EXISTING UTILITIES AND TO MAINTAIN AN UNINTERRUPTED SERVICE.
ANY DAMAGE BY THE CONTRACTOR'S OPERATIONS SHALL BE REPAIRED IMMEDIATELY AT THE CONTRACTOR'S EXPENSE.
- ACCESS TO THE CONSTRUCTION AREA THROUGH THE SECURE AREA OF THE APPLIED PHYSICS LABORATORY (WITHIN THE FENCED ENCLOSURE) MUST BE ARRANGED IN ADVANCE BY CONTACTING THE LABORATORY SECURITY OFFICE (391) 953-7100.
- LANDSCAPING SHALL BE BY JHU-APL.
- THE CONTRACTOR SHALL CONTACT MR. ARTHUR STUCKI, PLANT ENGINEER, (301) 953-7100 AT LEAST 5 WORKING DAYS PRIOR TO COMMENCING ANY WORK OR SHUTTING DOWN ANY UTILITIES.
- THE CONTRACTOR OR DEVELOPER SHALL CONTACT THE CONSTRUCTION INSPECTION/SURVEY DIVISION, 24 HOURS IN ADVANCE OF COMMENCEMENT OF WORK, AT 792-2630.

SITE DATA

- ZONING RURAL, R.
- SITE AREA 1.2 AC.
- ACREAGE OF ENTIRE PROPERTY 366 AC.
- EXISTING BUILDING COVERAGE 14.3 AC. = 3.92%
- TOTAL NUMBER OF EXISTING EMPLOYEES/ PERSONNEL ON THE ENTIRE SITE 3100
- TOTAL NUMBER OF EXISTING AND PROPOSED FUTURE EMPLOYEES/PERSONNEL ON THE ENTIRE SITE 3225
- TOTAL NUMBER OF PARKING SPACES REQUIRED 2258
- TOTAL NUMBER PARKING SPACES PROVIDED 2809
EXISTING SPACES 2809
PROPOSED SPACES 0



VICINITY MAP
SCALE: 1" = 2000'

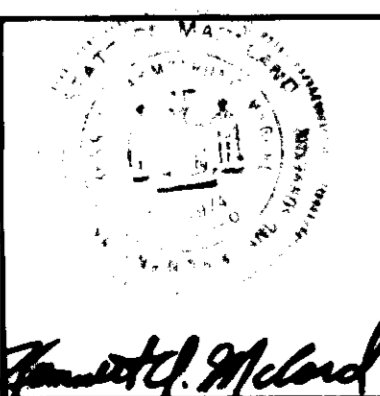
- SHEET INDEX**
- COVER SHEET
 - GRADING PLAN
 - SEDIMENT CONTROL PLAN

ADDRESS CHART	
PARCEL NUMBER	STREET ADDRESS
PARCEL 123	11100 JOHNS HOPKINS ROAD
SUBDIVISION NAME JHU APPLIED PHYSICS LAB	SECT./AREA 4/1A
LOT/PARCEL 123	
PLAT# OR L/F 234/304	BLOCK# 16
ZONE Z	TAX/ZONE MAP 41
ELEC DIST 5+2	CENSUS TR 6051
WATER CODE E-21	SEWER CODE 6480000
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE, STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS	
DIRECTOR: <i>Don F. Neume</i>	DATE: 5-10-87
CHIEF, BUREAU OF ENGINEERING: <i>William S. Ray</i>	DATE: 5-19-87
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS HOWARD COUNTY HEALTH DEPARTMENT	
<i>Joseph Popine</i>	DATE: 5/21/87
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING	
PLANNING DIRECTOR: <i>John M. Murchman</i>	DATE: 5/22/87
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: <i>John F. Duman</i>	DATE: 5/22/87

APPROVED
DIVISION OF LAND
ZONING AND
PLANNING
DATE: 3-9-87
MS/STO

LOCATION PLAN
SCALE: 1" = 400'

WHITMAN REQUARDT AND ASSOCIATES ENGINEERS
2315 SAINT PAUL STREET
BALTIMORE, MARYLAND
21218



APPLIED PHYSICS LABORATORY
THE JOHNS HOPKINS UNIVERSITY
JOHNS HOPKINS ROAD HOWARD COUNTY, MARYLAND
APPROVED FOR THE UNIVERSITY BY: *Arthur Stucki*
DATE: 2/2/87 TITLE: *Plant Engineer*

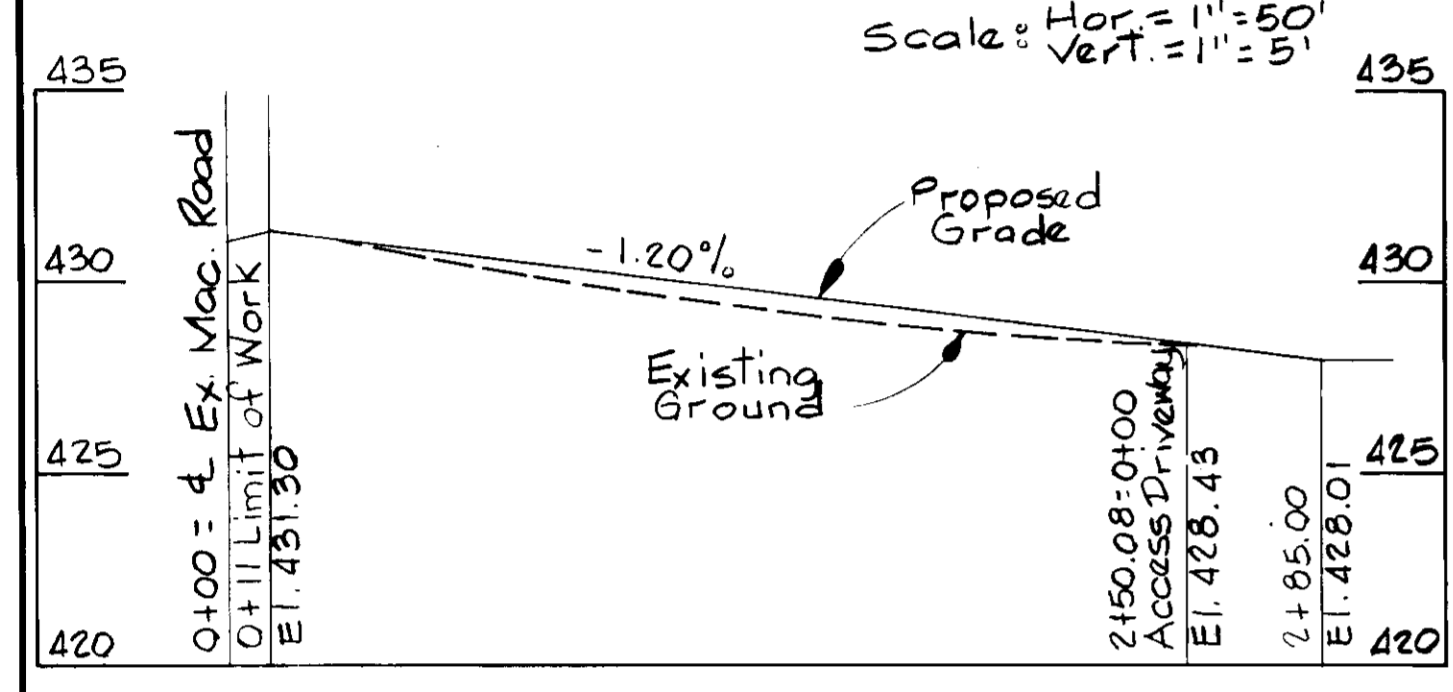
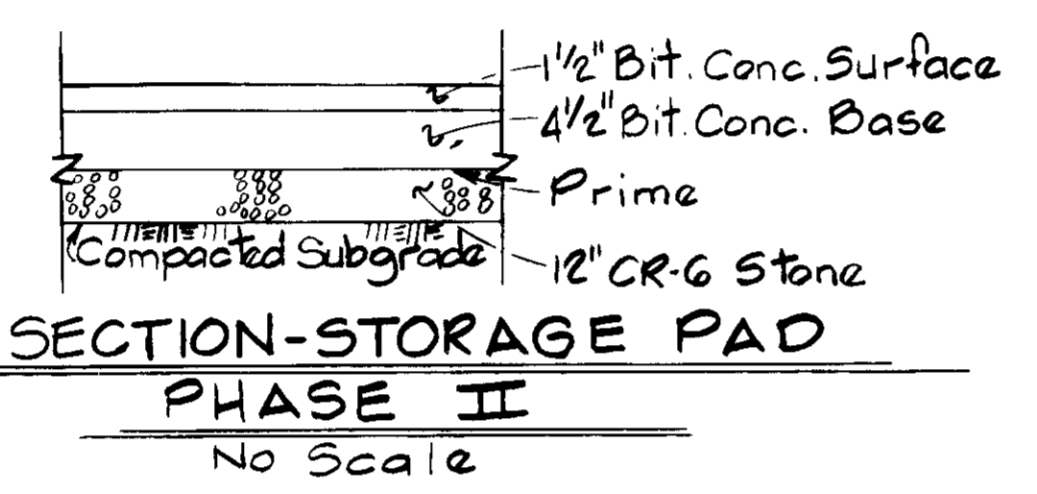
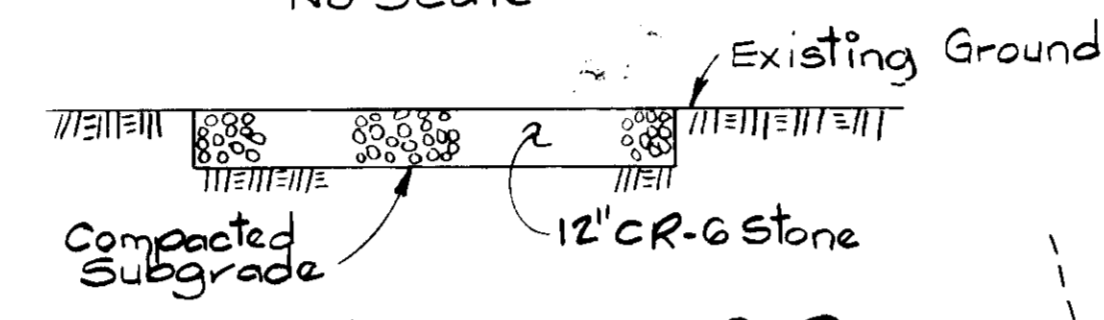
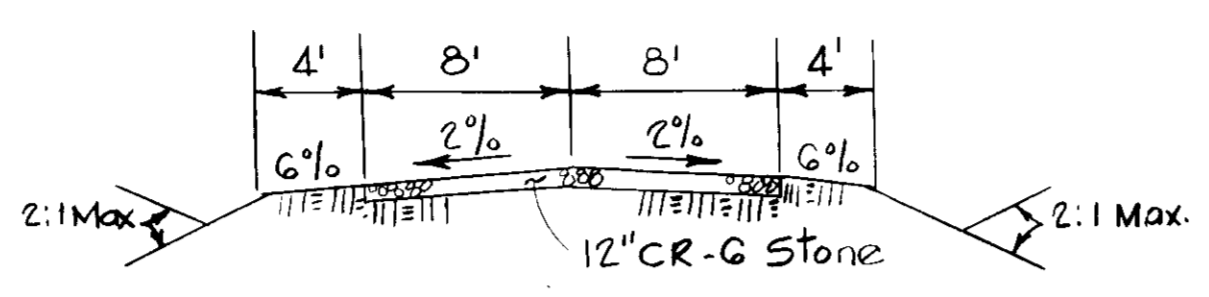
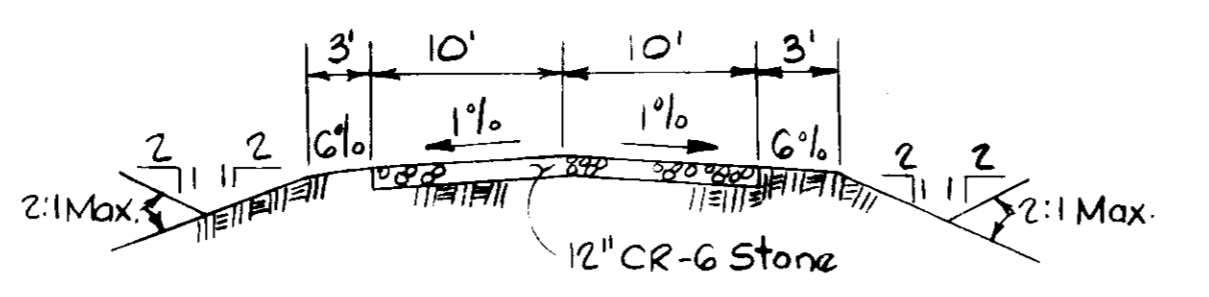
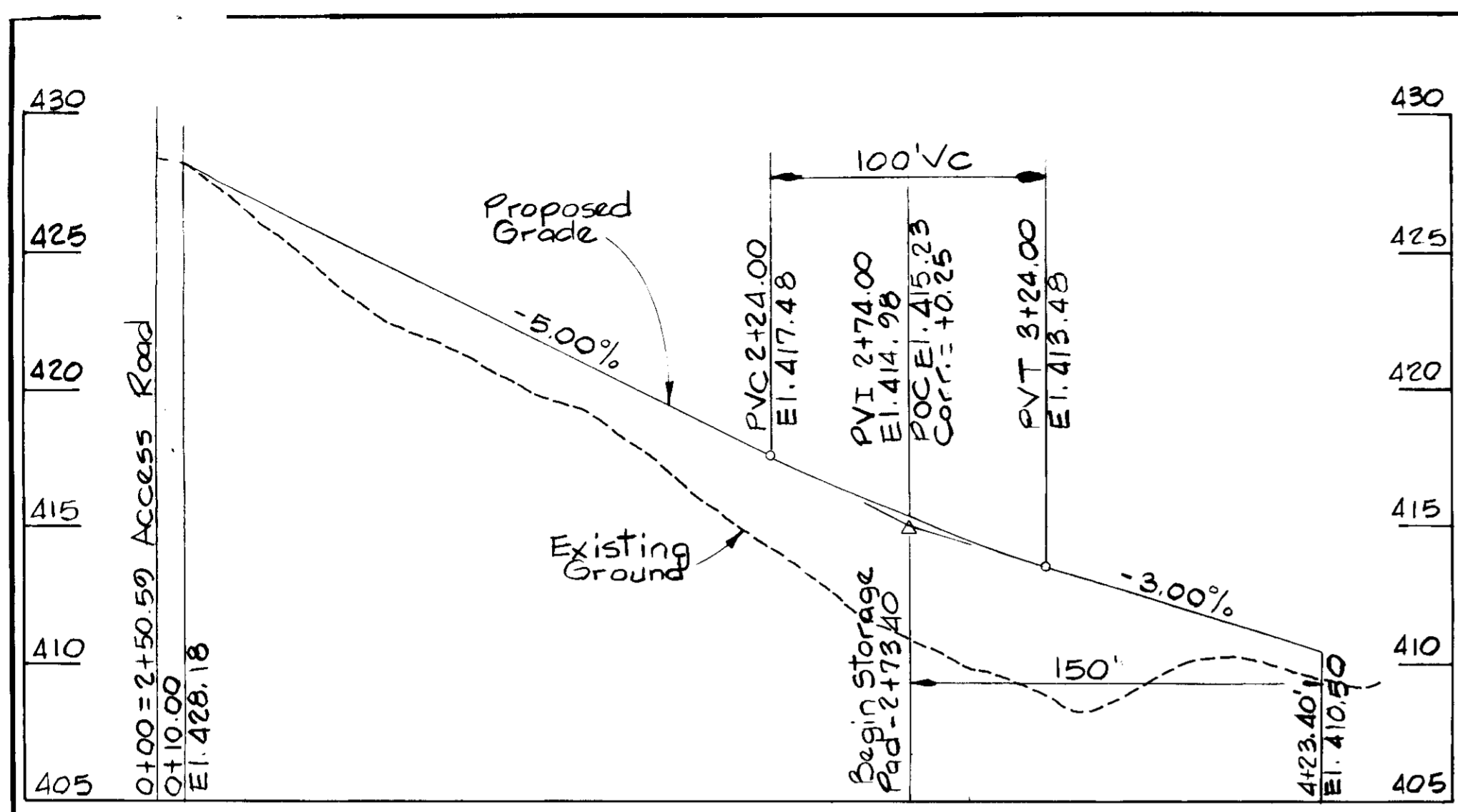
PROPOSED STORAGE PAD
"Storage Yard Addition to SDP-87-87"
THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY
11100 JOHNS HOPKINS ROAD
LAUREL MARYLAND 20707

COVER SHEET
FIFTH ELECTION DISTRICT
TAX MAP 41
HOWARD COUNTY, MARYLAND
PARCEL 123

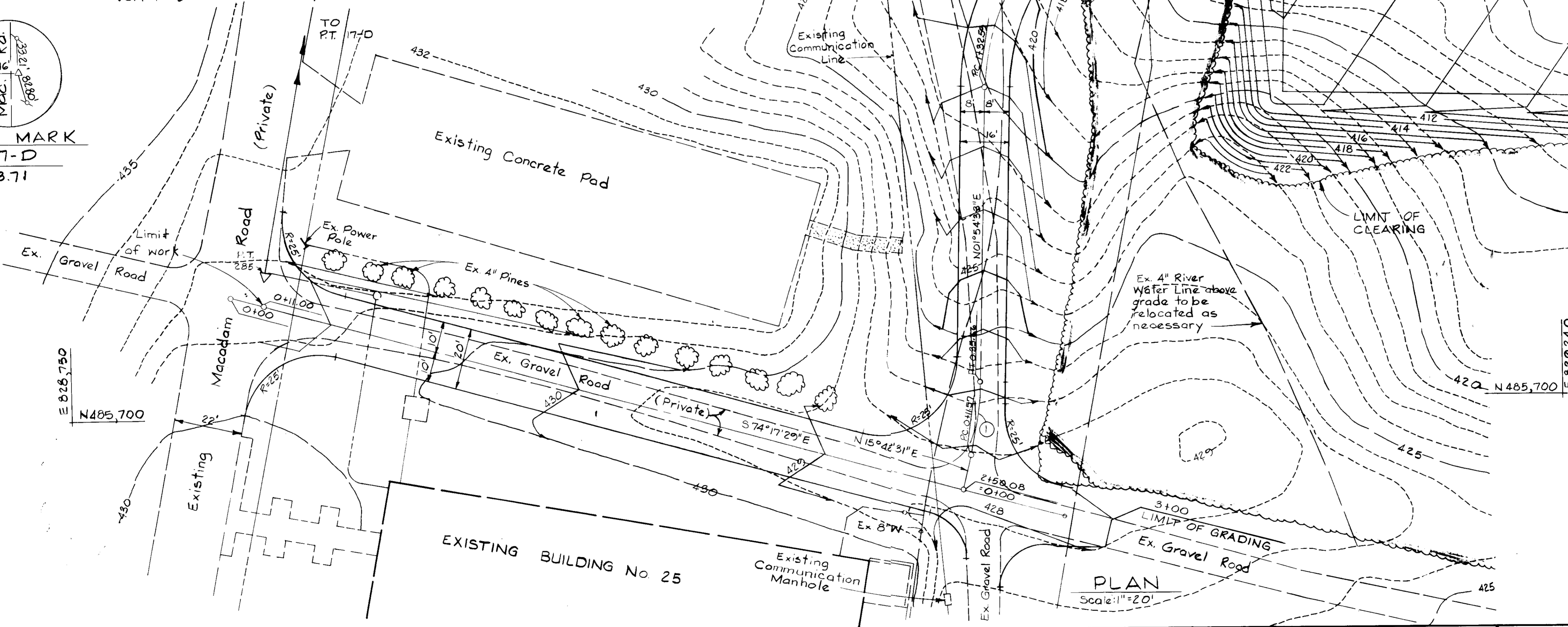
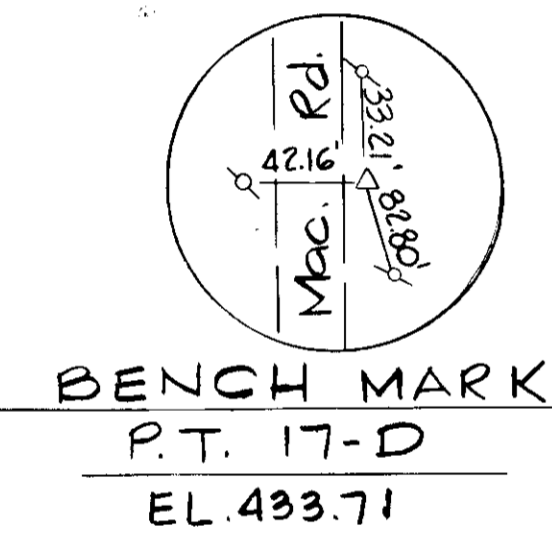
REVISIONS	SCALE: AS SHOWN	DRAWING
	SHEET NO. 1	1
	OF 3	
	DATE: 2/3/87	

SDP-87-144

CURVE DATA						
No.	Radius	Delta	Arc	Chord	Tan.	Chd. Bearing
1	100'	13°47'58"	24.09'	24.03'	12.10'	N08°48'32"E
2	75'	20°00'00"	117.81'	106.07'	75.00'	N46°54'33"E



PROFILE-ACCESS ROAD (PRIVATE)
Scale: Hor. 1" = 50'
Vert. 1" = 5'



APPROVED:
DIVISION OF LAND DEVELOPMENT &
ZONING ADMINISTRATION
HOWARD COUNTY, MARYLAND
DATE 3-9-87
M. J. F.

APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS
HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS.
DIRECTOR: *[Signature]* DATE: 5-16-87
CHIEF, BUREAU OF ENGINEERING: *[Signature]* DATE: 5-19-87
APPROVED: FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS,
HOWARD COUNTY HEALTH DEPARTMENT
[Signature] DATE: 5/14/87
APPROVED: HOWARD COUNTY OFFICE OF PLANNING AND ZONING
PLANNING DIRECTOR: *[Signature]* DATE: 5-22-87
CHIEF, DIVISION OF LAND DEVELOPMENT AND ZONING ADMINISTRATION: *[Signature]* DATE: 5-22-87



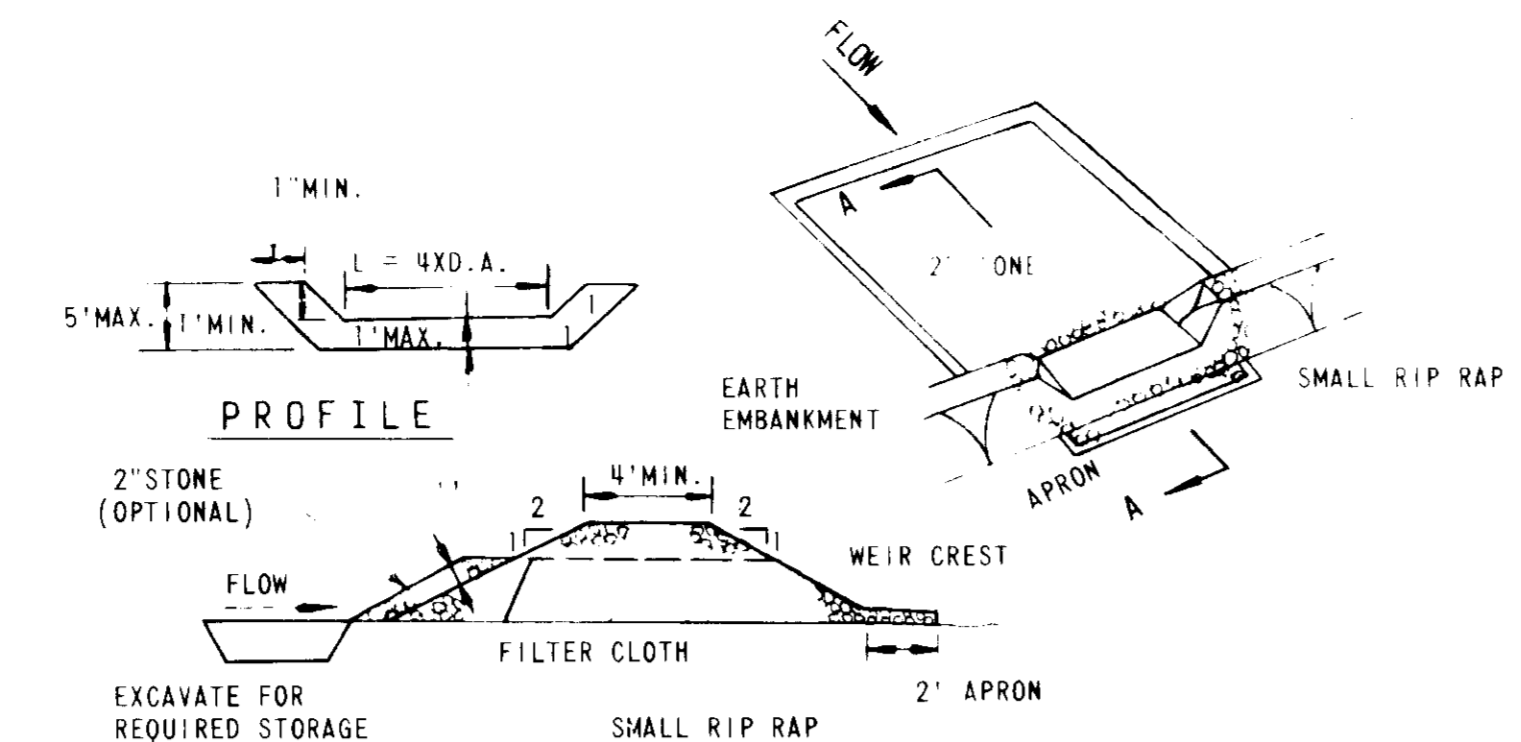
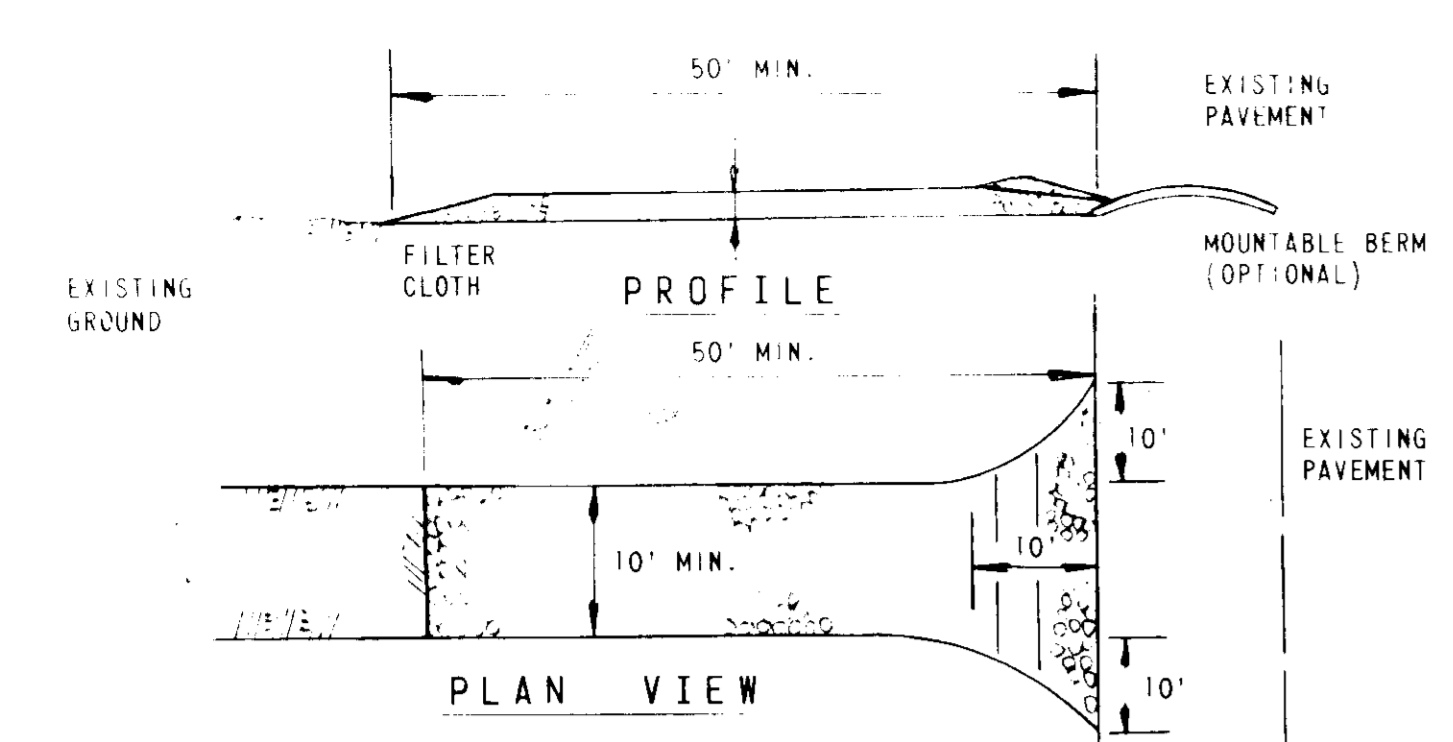
DATE 2/3/87 TITLE: *Plant Engineer*

PROPOSED STORAGE PAD
"Storage Yard Addition to SDP-87-87"
THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY

GRADING PLAN
FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
TAX MAP 41 PARCEL 123

REVISIONS	SCALE: AS SHOWN	DRAWING
	SHEET NO. 2	2
	OF 3	
	DATE: 2/3/87	

SDP-87-144



TRAP #1 (ST-V)
 DRAINAGE AREA 1.3 AC
 VOL. REQ'D 2340 C.F.
 TRAP SIZE 10'x44'x3'
 TRAP CAPACITY 2432 C.F.
 TOP ELEV. 205.0
 BOTTOM ELEV. 200.0
 CLEANOUT ELEV. 201.0
 CREST WIDTH 6.0'
 CREST ELEV. 203.0

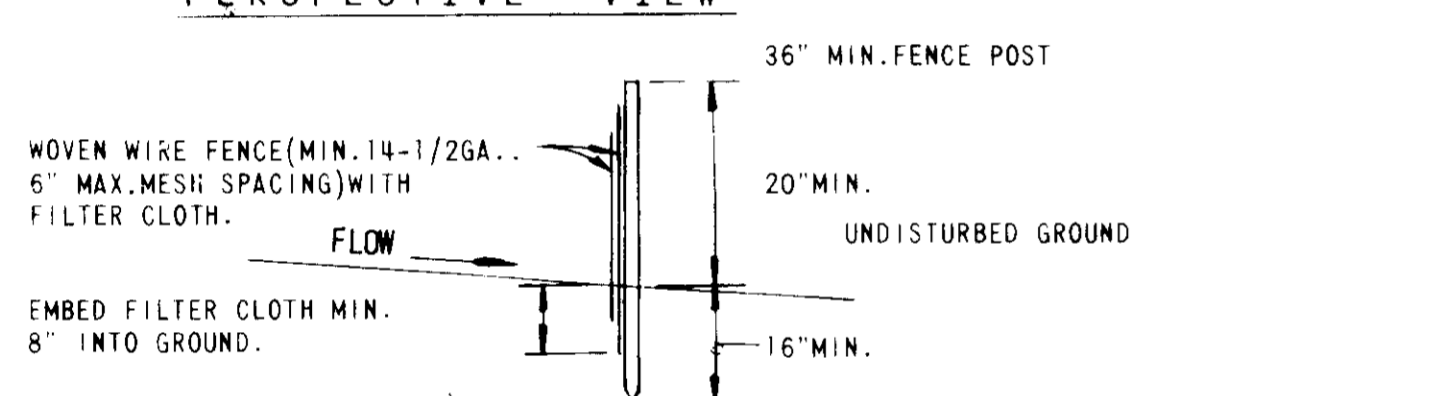
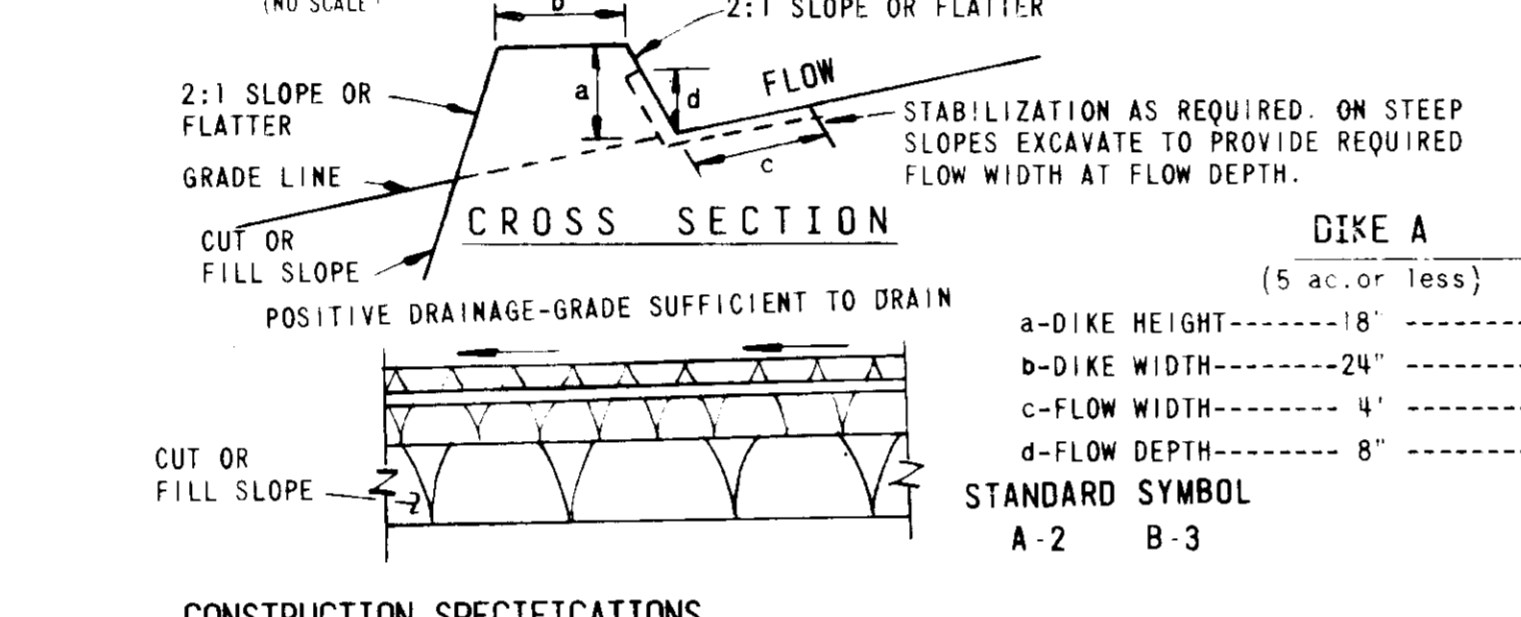
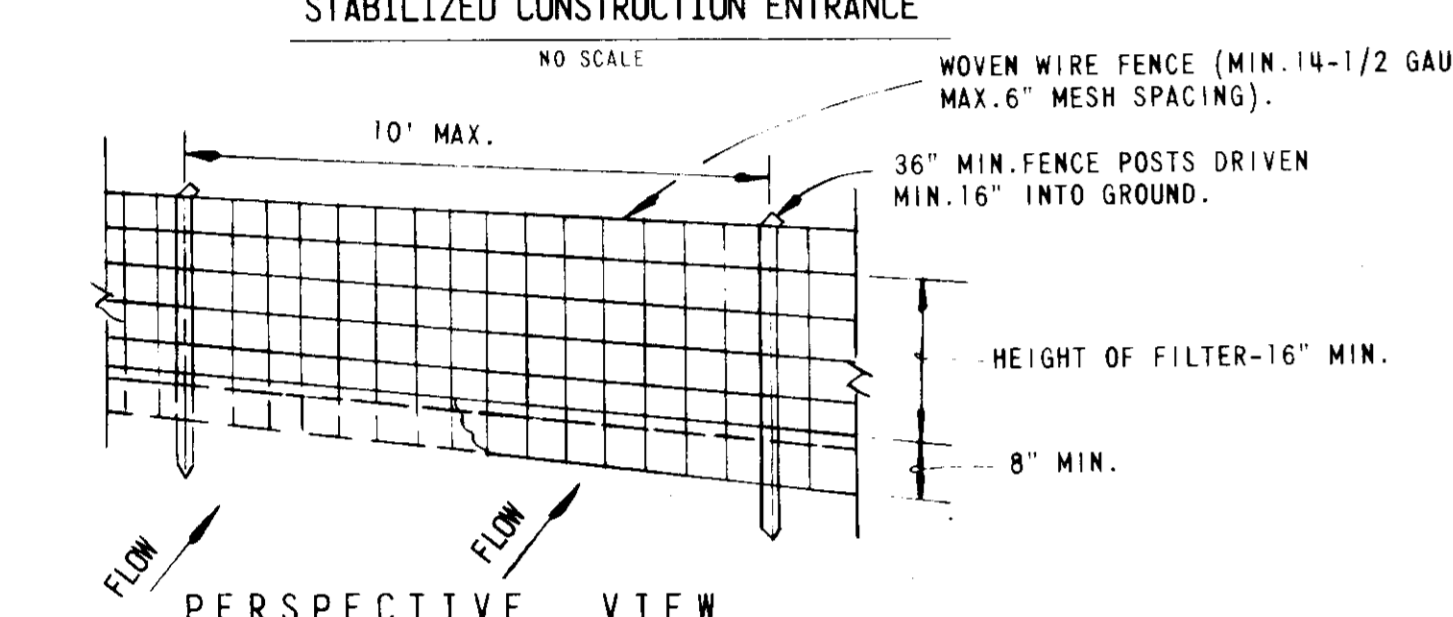
CONSTRUCTION SPECIFICATIONS

- STONE SIZE-USE 2" STONE OR RECLAIMED OR RECYCLED CONCRETE EQUIVALENT.
- LENGTH - AS REQUIRED, BUT NOT LESS THAN 50 FEET (EXCEPT ON A SINGLE RESIDENCE LOT WHERE A 30'-00" MINIMUM LENGTH WOULD APPLY).
- THICKNESS - NOT LESS THAN SIX (6) INCHES.
- WIDTH - 10' MIN (10' 00" MINIMUM, BUT NOT LESS THAN THE FULL WIDTH AT POINTS WHERE INGRESS OF FLOODS OCCURS).
- FILTER CLOTH WILL BE PLACED OVER THE ENTIRE AREA PRIOR TO PLACING OF STONE. FILTER WILL NOT BE REQUIRED ON A SINGLE FAMILY RESIDENCE LOT.
- SURFACE WATER FLOWING OR DIVERTED TOWARD CONSTRUCTION ENTRANCES SHALL BE PIPED ACROSS THE ENTRANCE. IF PIPING IS IMPRACTICAL, A MOUNTABLE BERM WITH 5:1 SLOPES WILL BE PROVIDED.
- MAINTENANCE - THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION WHICH WILL PREVENT TRACKING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE PERIODIC TOP DRESSING WITH ADDITIONAL STONE AS CONDITIONS DEMAND AND REPAIR AND/OR CLEANOUT OF ANY MEASURES USED TO "TRAP" SEDIMENT. ALL SEDIMENT SPILLED, DROPPED, WASHED OR TRACKED ONTO PUBLIC RIGHTS-OF-WAY MUST BE REMOVED IMMEDIATELY.
- WASHING - WHEELS SHALL BE CLEANED TO REMOVE SEDIMENT PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY. WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH STONE AND WHICH DRAINS INTO AN APPROVED SEDIMENT TRAPPING DEVICE.
- PERIODIC INSPECTION AND NEEDED MAINTENANCE SHALL BE PROVIDED AFTER EACH RAIN.

OPTION: A ONE FOOT LAYER OF 2" STONE MAY BE PLACED ON THE UPSTREAM SIDE OF THE RIPRAP IN PLACE OF THE EMBEDDED FILTER CLOTH.

CONSTRUCTION SPECIFICATIONS FOR ST-V

- AREA UNDER EMBANKMENT SHALL BE CLEARED, GRUBBED AND STRIPPED OF ANY VEGETATION AND ROOT MAT. THE POND SHALL BE CLEARED.
- THE FILL MATERIAL FOR THE EMBANKMENT SHALL BE FREE OF ROOTS AND OTHER WOODY VEGETATION AS WELL AS OVER-SIZED STONES, ROCKS, ORGANIC MATERIAL OR OTHER OBJECTIONABLE MATERIAL. THE EMBANKMENT SHALL BE COMPACTED BY TRAVERSING WITH EQUIPMENT WHILE IT IS BEING CONSTRUCTED.
- ALL CUT AND FILL SLOPES SHALL BE 2:1 OR FLATTER.
- THE STONE USED IN THE OUTLET SHALL BE SMALL RIPRAP 4" - 8" ALONG WITH A 1" THICKNESS OF 2" AGGREGATE PLACED ON THE UP-GRADE SIDE ON THE SMALL RIPRAP OR EMBODDED FILTER CLOTH IN THE RIPRAP.
- SEDIMENT SHALL BE REMOVED AND "TRAP" RESTORED TO ITS ORIGINAL DIMENSIONS WHEN THE SEDIMENT HAS ACCUMULATED TO 1/2" THE DESIGN DEPTH OF THE TRAP.
- THE STRUCTURE SHALL BE INSPECTED AFTER EACH RAIN AND REPAIRS MADE AS NEEDED.
- CONSTRUCTION OPERATIONS SHALL BE CARRIED OUT IN SUCH A MANNER THAT EROSION AND WATER POLLUTION IS MINIMIZED.
- THE STRUCTURE SHALL BE REMOVED AND THE AREA STABILIZED WHEN THE DRAINAGE AREA HAS BEEN PROPERLY STABILIZED.



CONSTRUCTION SPECIFICATIONS

- ALL DIXES SHALL BE COMPACTED BY EARTH-MOVING EQUIPMENT.
- ALL DIXES SHALL HAVE POSITIVE DRAINAGE TO AN OUTLET.
- TOP WIDTH MAY BE WIDER AND SIDE SLOPES MAY BE FLATTER IF DESIRED TO FACILITATE CROSSING BY CONSTRUCTION TRAFFIC.
- FIELD LOCATION SHOULD BE ADJUSTED AS NEEDED TO UTILIZE A STABILIZED SAFE OUTLET.
- EARTH DIXES SHALL HAVE AN OUTLET THAT FUNCTIONS WITH A MINIMUM OF EROSION. RUNOFF SHALL BE CONVEYED TO A SEDIMENT TRAPPING DEVICE SUCH AS A SEDIMENT TRAP OR SEDIMENT BASIN WHERE EITHER THE DIKE CHANNEL OR THE DRAINAGE AREA ABOVE THE DIKE ARE NOT ADEQUATELY STABILIZED.
- STABILIZATION SHALL BE: (A) IN ACCORDANCE WITH STANDARD SPECIFICATIONS FOR SEED AND STRAW MULCH OR STRAW MULCH IF NOT IN SEEDING SEASON; (B) FLOW CHANNEL AS PER THE CHART BELOW.
- PERIODIC INSPECTION AND REQUIRED MAINTENANCE MUST BE PROVIDED AFTER EACH RAIN EVENT.

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

- WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES.
- FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION.
- WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER, THEY SHALL BE OVERLAPPED BY SIX INCHES AND BOLDED.
- MAINTENANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE.

FLOW CHANNEL STABILIZATION

TYPE OF TREATMENT	CHANNEL GRADE	DIKE A	DIKE B
1	5-8.0'	SEED AND STRAW MULCH	SEED AND STRAW MULCH
2	3.1-5.0'	SEED AND STRAW MULCH	SEED USING JUTE, OR EXCELISOR; SOD; 2" STONE
3	5.1-8.0'	SEED WITH JUTE, OR SOD; 2" STONE	LINED RIP-RAP 4-8"
4	8.1-20'	LINED RIP-RAP 4-8"	ENGINEERING DESIGN

A. STONE TO BE 2 INCH STONE, OR RECYCLED CONCRETE EQUIVALENT, IN A LAYER AT LEAST 3 INCHES IN THICKNESS AND BE PRESSED INTO THE SOIL WITH CONSTRUCTION EQUIPMENT.
 B. RIP-RAP TO BE 4-8 INCHES IN A LAYER AT LEAST 8 INCHES THICKNESS AND PRESSED INTO THE SOIL.
 C. APPROVED EQUIVALENTS CAN BE SUBSTITUTED FOR ANY OF THE ABOVE MATERIALS.

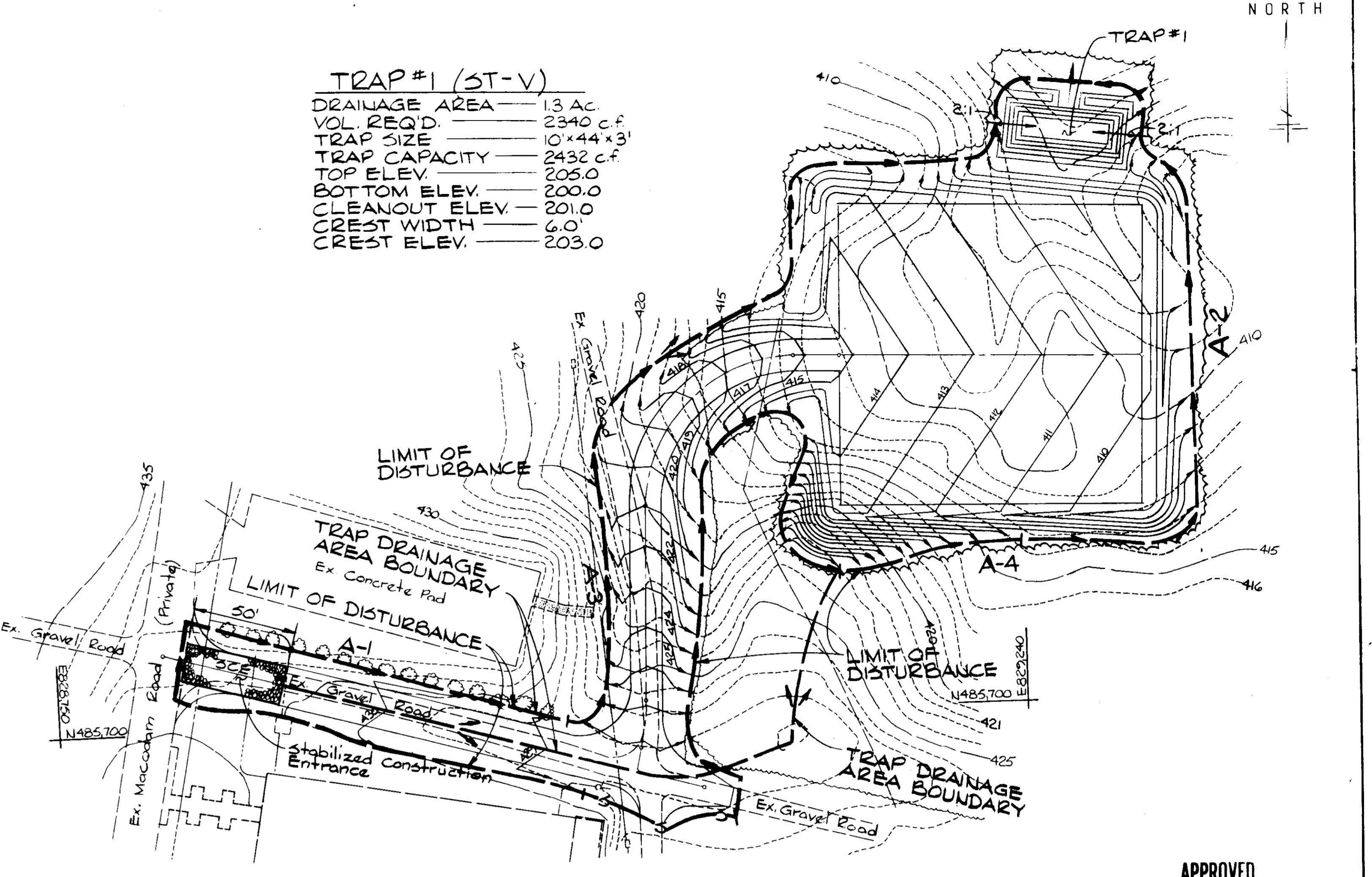
SILT FENCE
 NO SCALE

PERMANENT SEEDING NOTES
 APPLY TO GRADED OR CLEARED AREAS NOT SUBJECT TO IMMEDIATE FURTHER DISTURBANCE WHERE A PERMANENT LONG LIVED VEGETATIVE COVER IS NEEDED.
 SEED PREPARATION: LOOSEN UPPER THREE INCHES BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
 SOIL AMENDMENTS: IN LIEU OF SOIL TEST RECOMMENDATIONS, USE ONE OF THE FOLLOWING SCHEDULES:
 PREFERRED - APPLY 2 TONS PER ACRE DOLOMITIC LIMESTONE (92 LBS/1000 SQ. FT.) AND 600 LBS. PER ACRE 10-10-10 FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING.
 HARROW OR DISC INTO UPPER THREE INCHES OF SOIL.
 SEEDING: FOR THE PERIODS MARCH 1 THRU APRIL 30, AND AUGUST 1 THRU OCTOBER 15, SEED WITH 50 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 (0.05 LBS/1000 SQ. FT.) OF WEEPING LOVEGRASS. DURING THE PERIOD OF OCTOBER 16 THRU FEBRUARY 28, PROJECT 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 SOD; OPTION (3) SEED WITH 60 LBS. PER ACRE KENTUCKY 31 TALL FESCUE AND MULCH WITH 2 TONS PER 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 2 1/2 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 6:1 OR HIGHER USE 3/4 GALLONS PER ACRE (1.5 GAL/1000 SQ. FT.) FOR ANCHORING.

EARTH DIKE
 NO SCALE

TEMPORARY SEEDING NOTES - Continued
 MULCHING: APPLY 1-1/2 TO 2 TONS PER ACRE (70 TO 90 LBS/1000 SQ. FT.) OF UNROTTED SMALL GRAIN STRAW IMMEDIATELY AFTER APPLICATION USING MULCH ANCHORING TOOL OR 2 1/2 GALLONS PER ACRE (5 GAL/1000 SQ. FT.) OF EMULSIFIED ASPHALT ON FLAT AREAS, ON SLOPES 6:1 OR HIGHER, USE 3/4 GALLONS PER ACRE (1.5 GAL/1000 SQ. FT.) FOR ANCHORING.

TEMPORARY SEEDING NOTES
 APPLY TO GRADED OR CLEARED AREAS LIKELY TO BE REDISTURBED WHERE A SHORT-TERM VEGETATIVE COVER IS NEEDED.
 SEED PREPARATION: LOOSEN UPPER THREE INCHES OF SOIL BY RAKING, DISCING OR OTHER ACCEPTABLE MEANS BEFORE SEEDING.
 SOIL AMENDMENTS: APPLY 600 LBS PER ACRE (1.4 LBS/1000 SQ. FT.) OF FERTILIZER (14 LBS/1000 SQ. FT.) BEFORE SEEDING.
 SEEDING: FOR PERIODS MARCH 1 THRU APRIL 30 AND FROM AUGUST 15 THRU NOVEMBER 15, SEED WITH 2-1/2 BUSHEL PER ACRE OF ANNUAL RYE (1.2 LBS/1000 SQ. FT.) FOR PERIODS FROM JAN 1 THRU AUGUST 14, SEED WITH 3 LBS. PER ACRE OF WEEPING LOVEGRASS (0.07 LBS/1000 SQ. FT.) FOR THE PERIOD NOVEMBER 16 THRU FEBRUARY 28, PROJECT SITE BY APPLYING 2 TONS PER ACRE OF WELL ANCHORED STRAW MULCH AND SEED AS SOON AS POSSIBLE IN THE SPRING OR USE SOD.



SEDIMENT CONTROL NOTES

- 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).
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1985 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, PERMANENT OR TEMPORARY STABILIZATION SHALL BE COMPLETED WITHIN: (A) 7 CALENDARY DAYS FOR ALL PERIMETER SEDIMENT CONTROL STRUCTURES; DIXES, PERIMETER SLOPES AND ALL SLOPES GREATER THAN 5:1; (B) 14 DAYS AS TO ALL OTHER DISTURBED OR GRADED AREAS ON THE PROJECT SITE.
- ALL SEDIMENT TRAPS/BASINS SHOWN MUST BE FENCED AND WARNING SIGNS POSTED AROUND THEIR PERIMETER IN ACCORDANCE WITH VOLUME 1, CHAPTER 12, OF THE HOWARD COUNTY DESIGN MANUAL, STORM DRAINAGE.
- ALL DISTURBED AREAS MUST BE STABILIZED WITHIN THE TIME PERIOD SPECIFIED ABOVE IN ACCORDANCE WITH THE 1985 MARYLAND STANDARDS AND SPECIFICATIONS FOR SOIL EROSION AND SEDIMENT CONTROL. FOR PERMANENT SEEDINGS (SEC. 511) SOD (SEC. 541), TEMPORARY SEEDING (SEC. 50) AND MULCHING (SEC. 502), TEMPORARY STABILIZATION WITH MULCH ALONE CAN ONLY BE DONE WHEN RECOMMENDED SEEDING DATES CAN NOT ALL BE PROPERLY GERMINATED AND ESTABLISHMENT OF GRASSES.
- ALL SEDIMENT CONTROL STRUCTURES ARE TO REMAIN IN PLACE AND ARE TO BE MAINTAINED IN OPERATIVE CONDITION UNTIL PERMITS FOR THEIR REMOVAL HAS BEEN OBTAINED FROM THE HOWARD COUNTY SEDIMENT CONTROL INSPECTOR.
- SITE ANALYSIS:
 TOTAL AREA OF SITE 366 ACRES.
 AREA DISTURBED 1.4 ACRES.
 AREA TO BE ROOFED OR PAVED 0.50 ACRES.
 AREA TO BE VEGETATIVELY STABILIZED 0.90 ACRES.
 TOTAL CUT 800 CU. YDS.
 TOTAL FILL 3000 CU. YDS.
 OFFSITE WASTE/BORROW AREA LOCATION:
 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. ON ALL SITES WITH DISTURBED AREAS IN EXCESS OF 2 ACRES, APPROVAL OF THE INSPECTION AGENCY SHALL BE REQUIRED 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.

SEDIMENT CONTROL PLAN
 Scale: 1"=40'

APPROVED
 DIVISION OF LAND DEVELOPMENT &
 ZONING ADMINISTRATION
 HOWARD COUNTY, MARYLAND
 DATE 3-9-87
 [Signature]

RESPONSIBLE PERSONNEL CERTIFICATION
 "I HEREBY CERTIFY THAT ANY RESPONSIBLE PERSONNEL INVOLVED IN THE CONSTRUCTION PROJECT WILL HAVE A CERTIFICATE OF ATTENDANCE FROM A DEPARTMENT OF NATURAL RESOURCES APPROVED TRAINING PROGRAM FOR THE CONTROL OF SEDIMENT AND EROSION BEFORE BEGINNING THE PROJECT."
 APPROVED: [Signature] DATE 3/14/87
 HOWARD S.C.D.

THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD SOIL CONSERVATION DISTRICT.
 REVIEWED FOR HOWARD S.C.D. AND MEETS TECHNICAL REQUIREMENTS
 SIGNATURE: [Signature] DATE 5-14-87
 U.S. SOIL CONSERVATION SERVICE

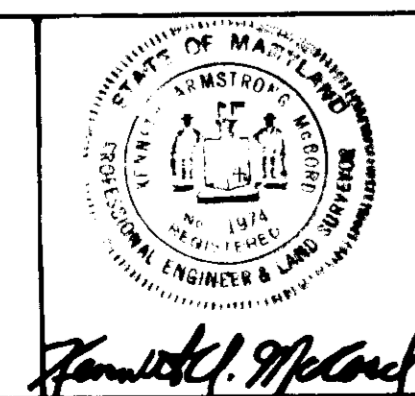
CERTIFICATION BY THE ENGINEER
 "I CERTIFY THAT THIS PLAN FOR EROSION AND SEDIMENT CONTROL REPRESENTS A PRACTICAL AND WORKABLE PLAN BASED ON MY PERSONAL KNOWLEDGE OF THE SITE CONDITIONS AND THAT IT WAS PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE HOWARD SOIL CONSERVATION DISTRICT."
 APPROVED: [Signature] DATE 2/3/87
 SIGNATURE OF ENGINEER

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS AND PUBLIC ROADS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 APPROVED: [Signature] DATE 5-10-87
 APPROVED: [Signature] DATE 5-11-87
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

CERTIFICATION 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 DEEMED NECESSARY."
 APPROVED: [Signature] DATE 3/14/87
 SIGNATURE OF DEVELOPER

APPROVED FOR PUBLIC WATER AND PUBLIC SEWERAGE SYSTEMS
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS
 APPROVED: [Signature] DATE 5/21/87
 APPROVED: [Signature] DATE 5-22-87
 HOWARD COUNTY DEPARTMENT OF PUBLIC WORKS

WHITMAN REQUART
 AND ASSOCIATES
 ENGINEERS
 23 S SAINT PAUL STREET
 BALTIMORE MARYLAND
 21201



APPLIED PHYSICS LABORATORY
 THE JOHNS HOPKINS UNIVERSITY
 JOHNS HOPKINS ROAD HOWARD COUNTY MARYLAND
 APPROVED FOR THE UNIVERSITY BY: [Signature]
 DATE: 2/3/87 TITLE: Plant Engineer

PROPOSED STORAGE PAD
 "Storage Yard Addition to SDP-87-87"
 THE JOHNS HOPKINS UNIVERSITY APPLIED PHYSICS LABORATORY
 11100 JOHNS HOPKINS ROAD
 LAUFEL MARYLAND 20707

SEDIMENT CONTROL PLAN
 FIFTH ELECTION DISTRICT HOWARD COUNTY, MARYLAND
 TAX MAP 41 PARCEL 123

REVISIONS
 SCALE: AS SHOWN
 SHEET NO 3 OF 3
 DATE 2/3/87

DRAWING
 3
 SDP-87-144