

ALPHA RIDGE LANDFILL MAINTENANCE FACILITY

CAPITAL PROJECT: C0190

HOWARD COUNTY, MARYLAND

DRAWING LIST

COV 1 COVER SHEET

SITE

C 1 SITE PLAN
C 2 SITE DETAILS
C 3 SOIL AND SEDIMENT EROSION CONTROL PLAN

ARCHITECTURAL

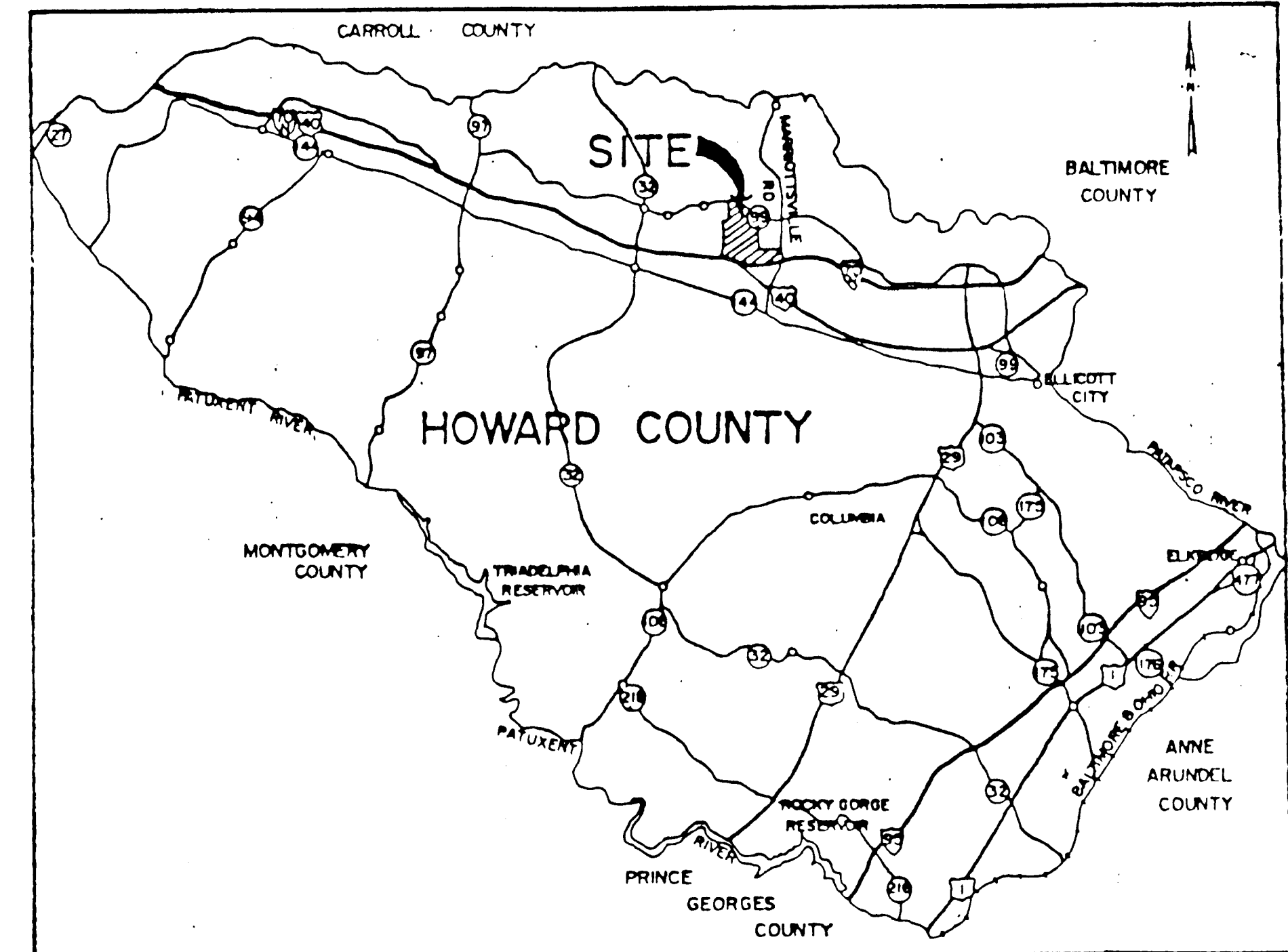
A 1 FLOOR PLAN
A 2 MEZZANINE / ROOF PLAN
A 3 ELEVATIONS
A 4 SECTIONS
A 5 WALL SECTIONS AND DETAILS
A 6 TOILET ROOM AND WHEEL CHAIR LIFT PLANS AND DETAILS

MECHANICAL

M 1 FLOOR PLAN - PLUMBING
M 2 FLOOR PLAN - HVAC
M 3 SCHEDULES & DETAILS

ELECTRICAL

E 1 FLOOR PLAN - ELECTRICAL
E 2 SCHEDULES



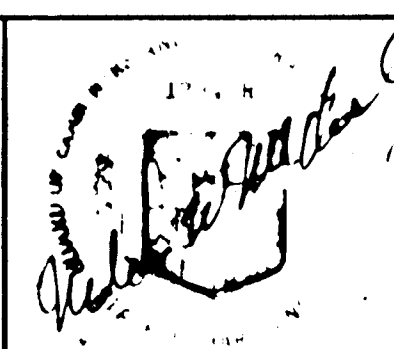
VICINITY MAP
SCALE: 1 INCH = 3 MILES

C070CZ01-P

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Signature DATE: 6/14/94
DIRECTOR OF PUBLIC WORKS DATE: 6/14/94

acer
Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel 717-569-7021



DES: RLL					
DRN: CADD					
CHK: RLL					
DATE: 6/10/94	BY	NO.	REVISION	DATE	

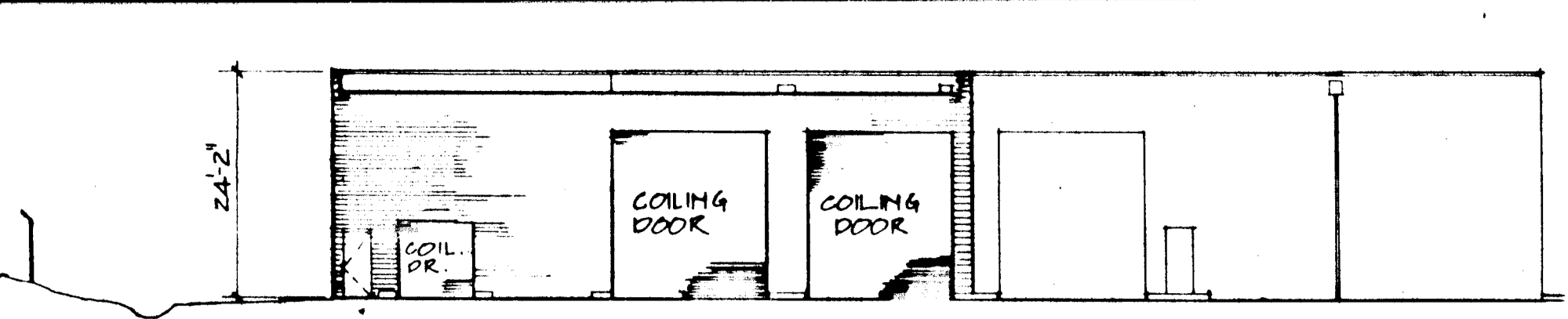
COVER SHEET

**ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY**
capital project: C0190
HOWARD COUNTY, MARYLAND

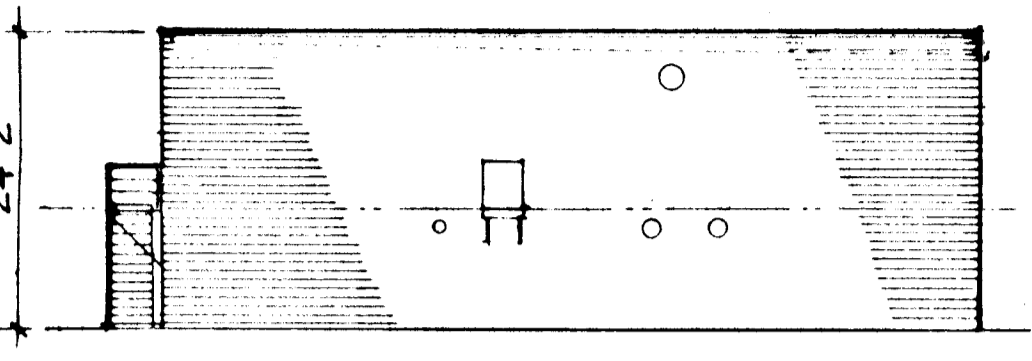
SCALE
AS
SHOWN

COV 1
1 OF 15

Job Name: 00750134, Unit: Revised: 05/25/94, 11:51



SOUTH ELEVATION
SCALE: 1/16"=1'-0"



WEST ELEVATION
SCALE: 1/16"=1'-0"

N 536,715 434
E 826,070 361
TRVERSE MON. 32
ELEV. 507.45'
(BENCH MARK)

SEEDING NOTES:

1. **Crownvetch Seed:** New crop seed, furnished in sealed packages with proof of correct mixture evidenced, age of seed indicated, and compliance with applicable state regulations evidenced if required. Seeds and mixture as follows:

Species in Mix	Mix Percent by Weight	Min. Percent Purity	Percent Germination	Max. Percent Weed Seed
Crownvetch	45	99	70*	0.10
Ryegrass, Annual	55	95	90	0.15

*Minimum 35 percent normal sprouts and minimum 35 percent hardseed.

- Crownvetch Seed Inoculation:** Use a pure culture of Nitrogen-Fixing Bacteria selected for maximum vitality and ability to transform nitrogen from the air into soluble nitrates, and deposit them in the soil. Perform the inoculation process as recommended by the seed supplier subject to the Engineer's approval. Maintain temperatures of inoculant in strict compliance with manufacturer's requirements.
- Lawn Mulch:** Straw stalks of any threshed grain or tall hay grass stalks free from seed bearing stalks or roots harmful to lawn growth. Mulch material containing noxious weeds, decomposed material or brittle weed material is not acceptable.
- Mulch Binder:** Emulsified asphalt conforming to the requirements of AASHTO M 140, Grade RS-1 and which does not contain solvents or other diluting agents toxic to plant life.

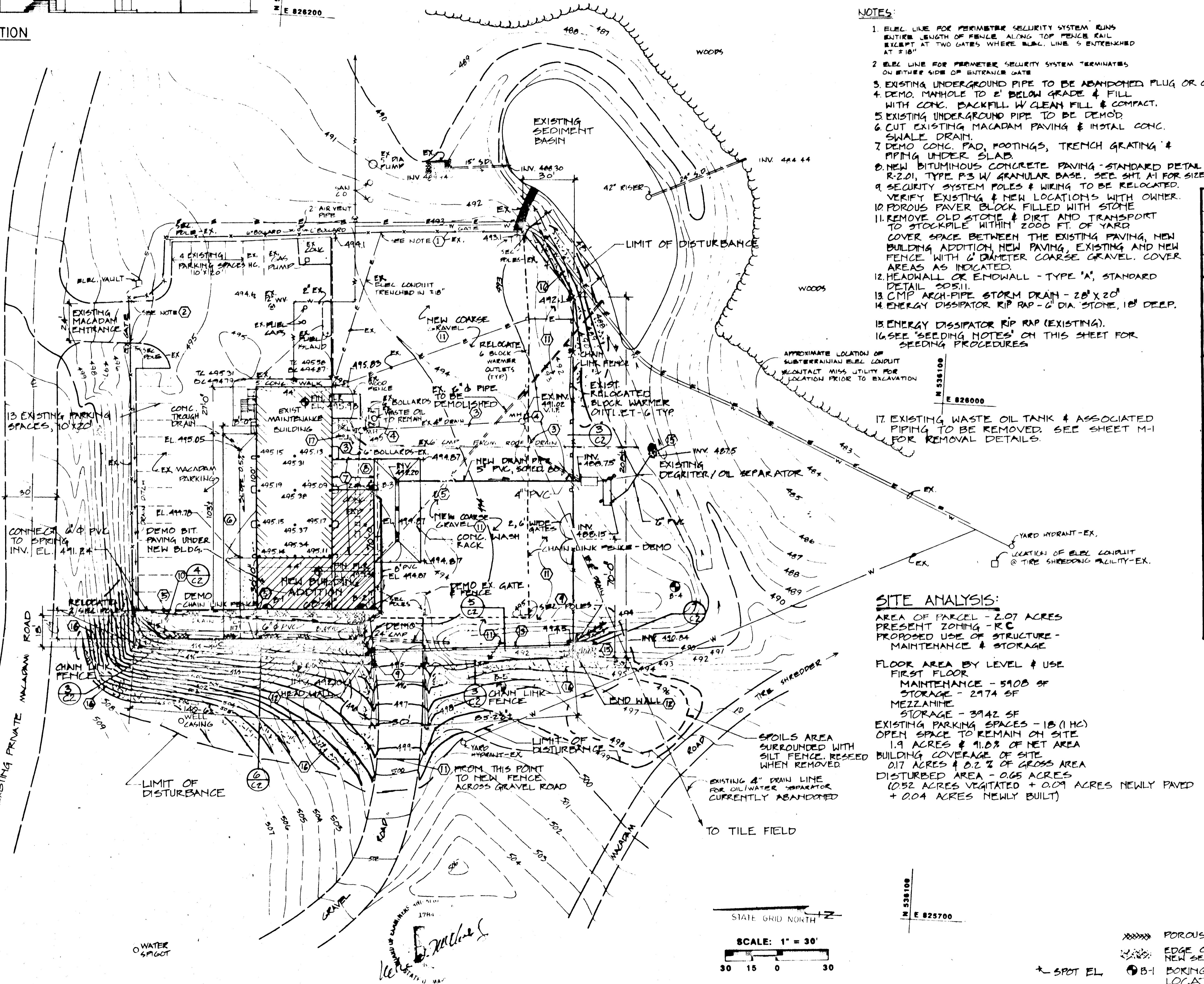
- Seeding:** Sow seed mixtures when air current is low and not more than five days after soil supplements have been applied. Sow seeds in two applications using either mechanical power seeders or mechanical hand seeders. Sow one-half of the seed mixture in one direction over designated areas and the remainder at right angles to the first sowing. Seeding rates as follows:
 - Grass Seed Mixture: 5 pounds per 1,000 sq. ft. areas.

- Contractor Option:** Seeding and soil supplement application may be performed by the hydroseding method. However, rates of application, methods and equipment shall receive Engineer's prior approval.
- Lawn Mulching:** Evenly apply mulch over seeded areas not more than 48 hours after seeding. Start mulching at windward side of relatively flat areas, or at the upper part of slopes. Spread mulch in a total coverage at a depth not less than 1-1/2 inches nor more than 3 inches.
- Mulch Binding:** Immediately following mulch spreading, apply mulch binder to anchor mulch to the soil. The number of passes over the mulch as needed to secure it firmly shall not exceed three passes with maximum applied binder not exceeding 10.0 gallons per 1,000 square feet.

TOPOGRAPHIC SURVEY ON 2/12/91
FIELD BOOK NO. 312

EBA ENGINEERING, INC.
Consulting Engineers
5800 METRO DRIVE
BALTIMORE MARYLAND 21215
(301) 358-7171

TRVERSE MON. S-1
ELEV. 490.67'
3/4" RE-BAR
N 536,458 21
E 826,337 95



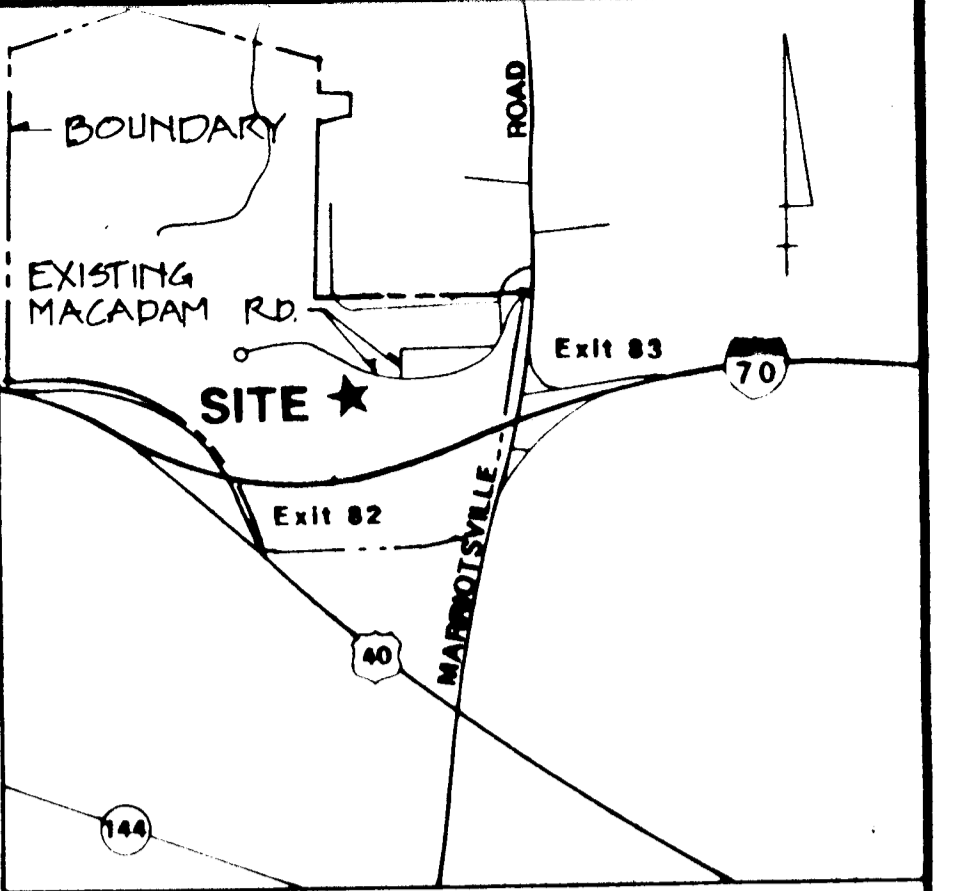
- GENERAL NOTES:**
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE LATEST STANDARD AND SPECIFICATIONS OF HOWARD COUNTY PLUS MSHA STANDARDS AND SPECIFICATIONS IF APPLICABLE.
 - THE CONTRACTOR SHALL NOTIFY THE DEPARTMENT OF PUBLIC WORKS/BUREAU OF CONSTRUCTION INSPECTION AT (410) 313-7824 AT LEAST FIVE (5) WORKING DAYS PRIOR TO THE START OF WORK.
 - THE CONTRACTOR SHALL NOTIFY "MISS UTILITY" AT 1-800-257-7777 AT LEAST 48 HOURS PRIOR TO ANY EXCAVATION WORK.
 - OFF SITE WASTE AREA MUST RECEIVE APPROVAL FROM E/S CONTROL OFFICER.

- NOTES:**
- ELEC. LINE FOR PERIMETER SECURITY SYSTEM RUNS ENTIRE LENGTH OF FENCE ALONG TOP FENCE RAIL EXCEPT AT TWO GATES WHERE SUBC. LINE IS ENTRENCHED AT 2"Ø
 - ELEC. LINE FOR PERIMETER SECURITY SYSTEM TERMINATES ON EITHER SIDE OF ENTRANCE GATE
 - EXISTING UNDERGROUND PIPE TO BE ABANDONED PLUG OR CAP
 - DEMO. MANHOLE TO 2' BELOW GRADE & FILL WITH CONC. BACKFILL W/ CLEAN FILL & COMPACT.
 - EXISTING UNDERGROUND PIPE TO BE DEMOD.
 - CUT EXISTING MACADAM PAVING & INSTAL CONC. SWALE DRAIN.
 - DEMO CONC. PAD, FOOTINGS, TRENCH GRATING & PIPING UNDER SLAB.
 - NEW BITUMINOUS CONCRETE PAVING - STANDARD DETAIL R-2.01, TYPE P-3 W/ GRANULAR BASE. SEE SHT. A1 FOR SIZE.
 - SECURITY SYSTEM POLES & WIRING TO BE RELOCATED. VERIFY EXISTING & NEW LOCATIONS WITH OWNER.
 - POROUS PAVER BLOCK FILLED WITH STONE
 - REMOVE OLD STONE & DIRT AND TRANSPORT TO STOCKPILE WITHIN 2000 FT. OF YARD COVER SPACE BETWEEN THE EXISTING PAVING, NEW BUILDING ADDITION, NEW PAVING, EXISTING AND NEW FENCE WITH 6" DIAMETER COARSE GRAVEL. COVER AREAS AS INDICATED.
 - HEADWALL OR ENDWALL - TYPE "A", STANDARD DETAIL 205.11
 - CMP ARCH-PIPE STORM DRAIN - 20" X 20"
 - ENERGY DISSIPATOR RIP RAP - 6" DIA. STONE, 18" DEEP.
 - ENERGY DISSIPATOR RIP RAP (EXISTING).
 - SEE "SEEDING NOTES" ON THIS SHEET FOR SEEDING PROCEDURES
 - EXISTING WASTE OIL TANK & ASSOCIATED PIPING TO BE REMOVED. SEE SHEET M-1 FOR REMOVAL DETAILS.

SITE ANALYSIS:

AREA OF PARCEL - 2.07 ACRES
PRESENT ZONING - RC
PROPOSED USE OF STRUCTURE - MAINTENANCE & STORAGE

FLOOR AREA BY LEVEL & USE
FIRST FLOOR
MAINTENANCE - 5908 SF
STORAGE - 2974 SF
MEZZANINE
STORAGE - 3942 SF
EXISTING PARKING SPACES - 18 (1 HC)
OPEN SPACE TO REMAIN ON SITE
1.9 ACRES & 91.0% OF NET AREA
BUILDING COVERAGE OF SITE
0.17 ACRES & 8.2% OF GROSS AREA
DISTURBED AREA - 0.65 ACRES
(0.52 ACRES VEGETATED + 0.09 ACRES NEWLY PAVED + 0.04 ACRES NEWLY BUILT)



VICINITY MAP
SCALE: 1"=200'

PROJECT NAME ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER	SECT./AREA 10 & 16	LOT/PARCEL 25, 54 & 11
LIBER/BLK/BLK 10-047/000	ZONE RC	TAX/ZONE MAP/ELEC. DIST. CENSUS TR. 10-078/215, 10-081/514
WATER CODE PRIVATE EXISTING	SEWER CODE PRIVATE EXISTING	
STREET ADDRESS 2350 MARRIOTTVILLE ROAD MARRIOTTVILLE, MD. 21104		

REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS:

U.S. SOIL CONSERVATION SERVICE	DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.	
APPROVED:	
HOWARD CO. SOIL CONSERVATION DISTRICT	DATE
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.	
COUNTY HEALTH OFFICER	DATE
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	
DIRECTOR	DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE
APPROVED: FOR WATER AND SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD CO. DEPARTMENT OF PUBLIC WORKS	
DIRECTOR	DATE
CHIEF, BUREAU OF ENGINEERING	DATE

LEGEND

- 4" DRAIN LINE
- W WATER LINE
- E ELEC. CONDUIT
- CLBBS
- WOODS
- PP RAP
- FENCE
- SECURITY POLES
- EXISTING STRUCTURE
- EDGE MACADAM
- EDGE GRAVEL
- 499 CONTOURS (EXISTING DASHED)
- 500 CONTOURS (NEW CONTINUOUS)
- POROUS PAVER
- EDGE OF NEW SEEDING
- BORING LOCATION
- KEYED NOTE

SCALE: 1"=30'
30 15 0 30

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
[Signature]
DIRECTOR OF PUBLIC WORKS

acer
Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel: 717-569-7021

DES. R.L.L.
PER. R.S.
CHK. N.W.M.
DATE 6/10/94

REV. PER SOIL CONS. SERVICE COMS	8-12-92
REV. PER SOIL CONS. SERVICE COMS	5-27-92
REVISED PER DPZ COMMENTS	1-29-92
REVISION	DATE

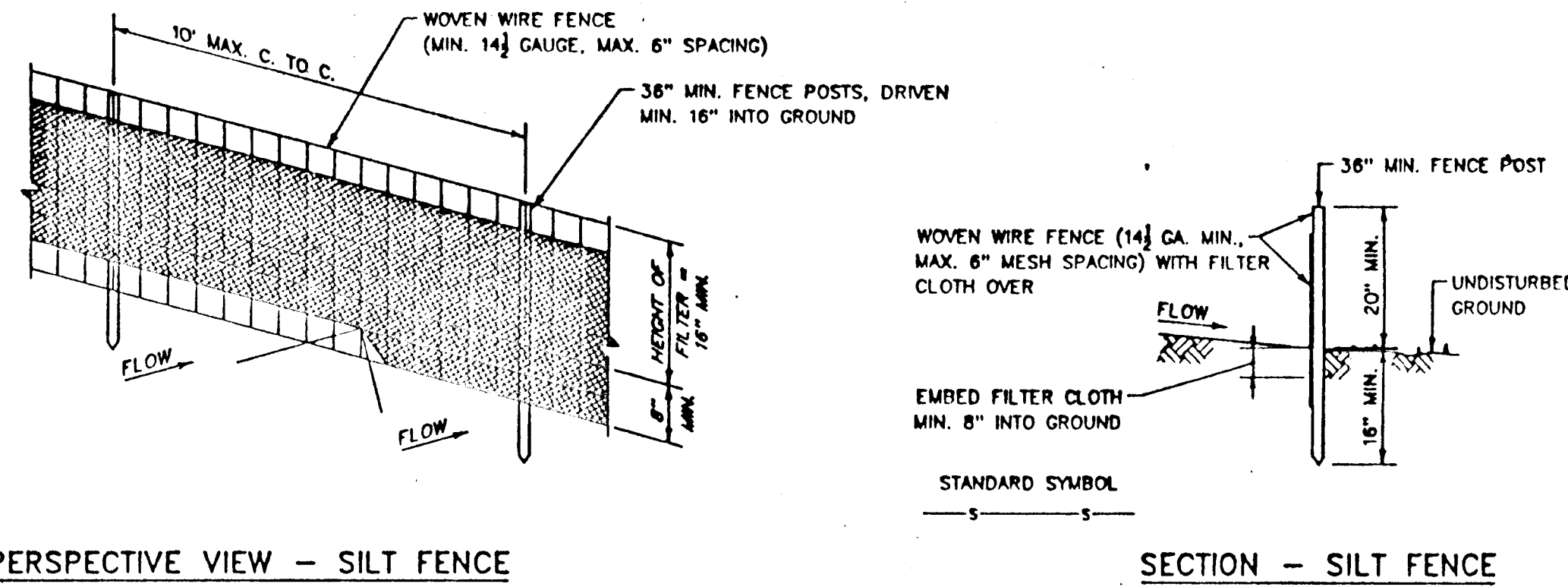
500' SCALE MAP NO. 10 & 16 BLOCK NO.

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project C-0190 D
HOWARD COUNTY, MARYLAND
SCALE AS SHOWN
SHEET C1
2 OF 15

EROSION AND 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. (892-2437)
- ALL VEGETATIVE AND STRUCTURAL PRACTICES ARE TO BE INSTALLED ACCORDING TO THE PROVISIONS OF THIS PLAN AND ARE TO BE IN CONFORMANCE WITH THE 1983 MARYLAND STANDARDS AND SPECIFICATION FOR SOIL EROSION AND SEDIMENT CONTROL.
- FOLLOWING INITIAL SOIL DISTURBANCE OR REDISTURBANCE, 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.
- 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.
- 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) SOIL (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.
- 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.
- SITE ANALYSIS:

TOTAL AREA OF SITE	2.07 ACRES
AREA DISTURBED	0.65 ACRES
AREA TO BE ROOFED OR PAVED	0.13 ACRES
AREA TO BE STABILIZED WITH VEGETATION	0.52 ACRES
TOTAL CUT	600 CUBIC YARDS
TOTAL FILL	388 CUBIC YARDS
OFF SITE WASTE AREA LOCATION	CONTRACTOR TO DETERMINE
- ANY SEDIMENT CONTROL PRACTICE WHICH IS DISTURBED BY GRADING ACTIVITIES FOR PLACEMENT OF UTILITIES MUST BE REPAIRED ON THE SAME DAY OF DISTURBANCE.
- ADDITIONAL SEDIMENT CONTROLS MUST BE PROVIDED, IF DEEMED NECESSARY BY THE HOWARD COUNTY DPW SEDIMENT CONTROL INSPECTOR.
- ON ALL THE 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.



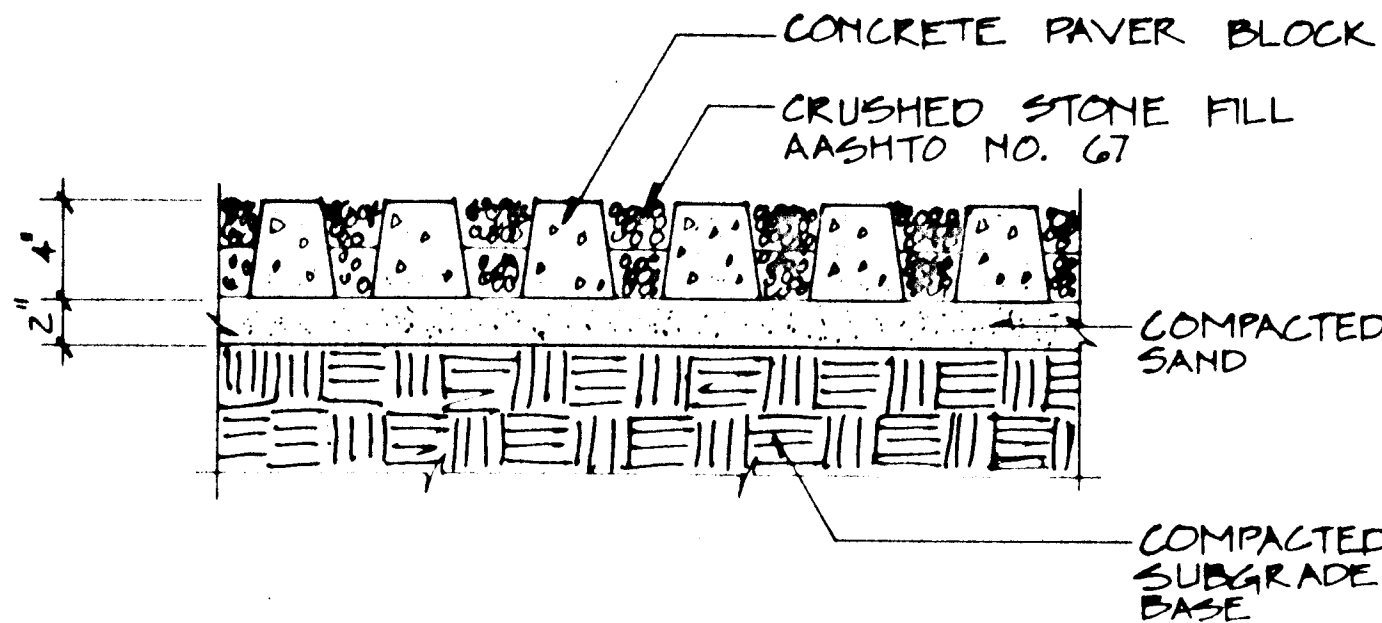
PERSPECTIVE VIEW - SILT FENCE

CONSTRUCTION NOTES FOR FABRICATED SILT FENCE

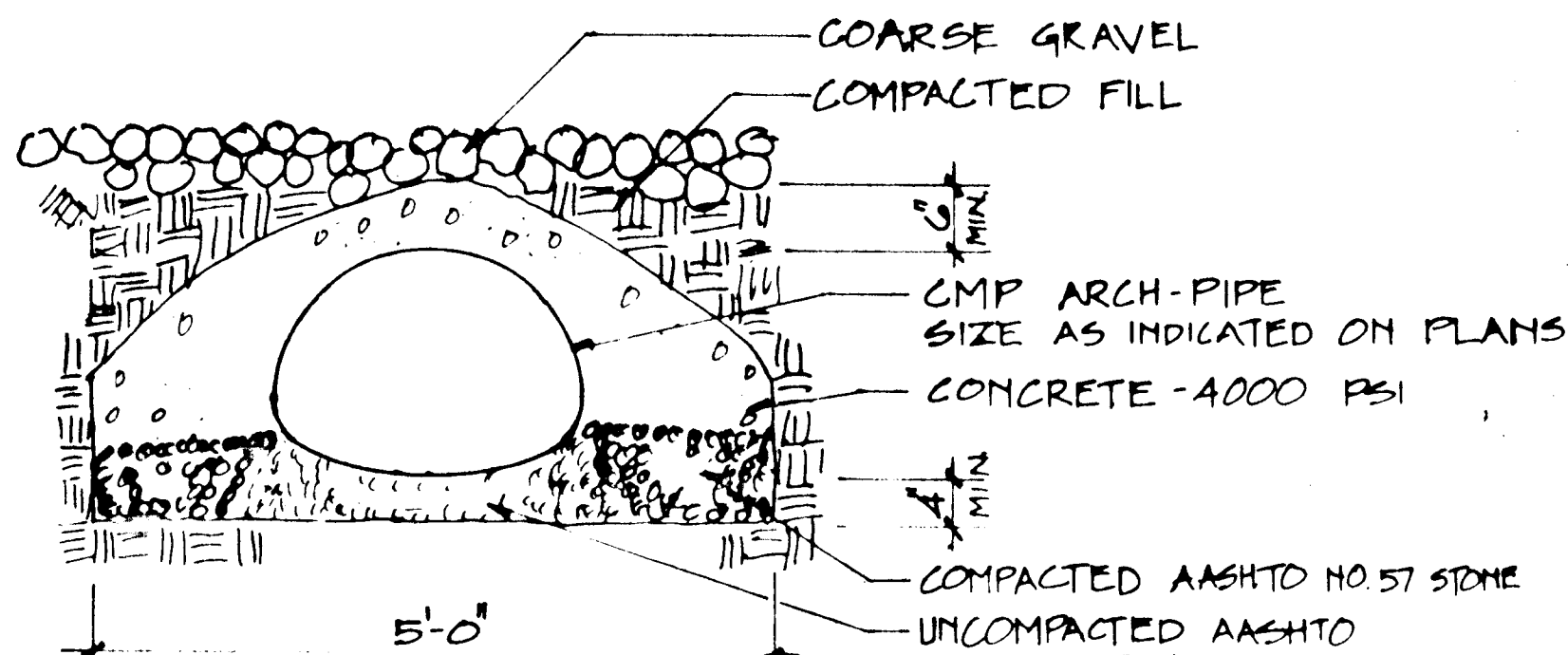
- | | | |
|--|---------------------|---|
| 1. WOVEN WIRE FENCE TO BE FASTENED SECURELY TO FENCE POSTS WITH WIRE TIES OR STAPLES. | POSTS: | STEEL EITHER T OR U TYPE OR 2" HARDWOOD |
| 2. FILTER CLOTH TO BE FASTENED SECURELY TO WOVEN WIRE FENCE WITH TIES SPACED EVERY 24" AT TOP AND MID SECTION. | FENCE: | WOVEN WIRE, 14 GA. 6" MAX. MESH OPENING |
| 3. WHEN TWO SECTIONS OF FILTER CLOTH ADJOIN EACH OTHER THEY SHALL BE OVERLAPPED BY SIX INCHES AND FOLDED. | FILTER CLOTH: | FILTER X, MIRAFI 100X, STABILINKA 1140R OR APPROVED EQUAL |
| 4. MAINTANCE SHALL BE PERFORMED AS NEEDED AND MATERIAL REMOVED WHEN "BULGES" DEVELOP IN THE SILT FENCE. | PREFABRICATED UNIT: | GEOFAB, ENVROFENCE, OR APPROVED EQUAL |

1 SILT FENCE DETAIL
NO SCALE

2 SEDIMENT TRAP
NO SCALE

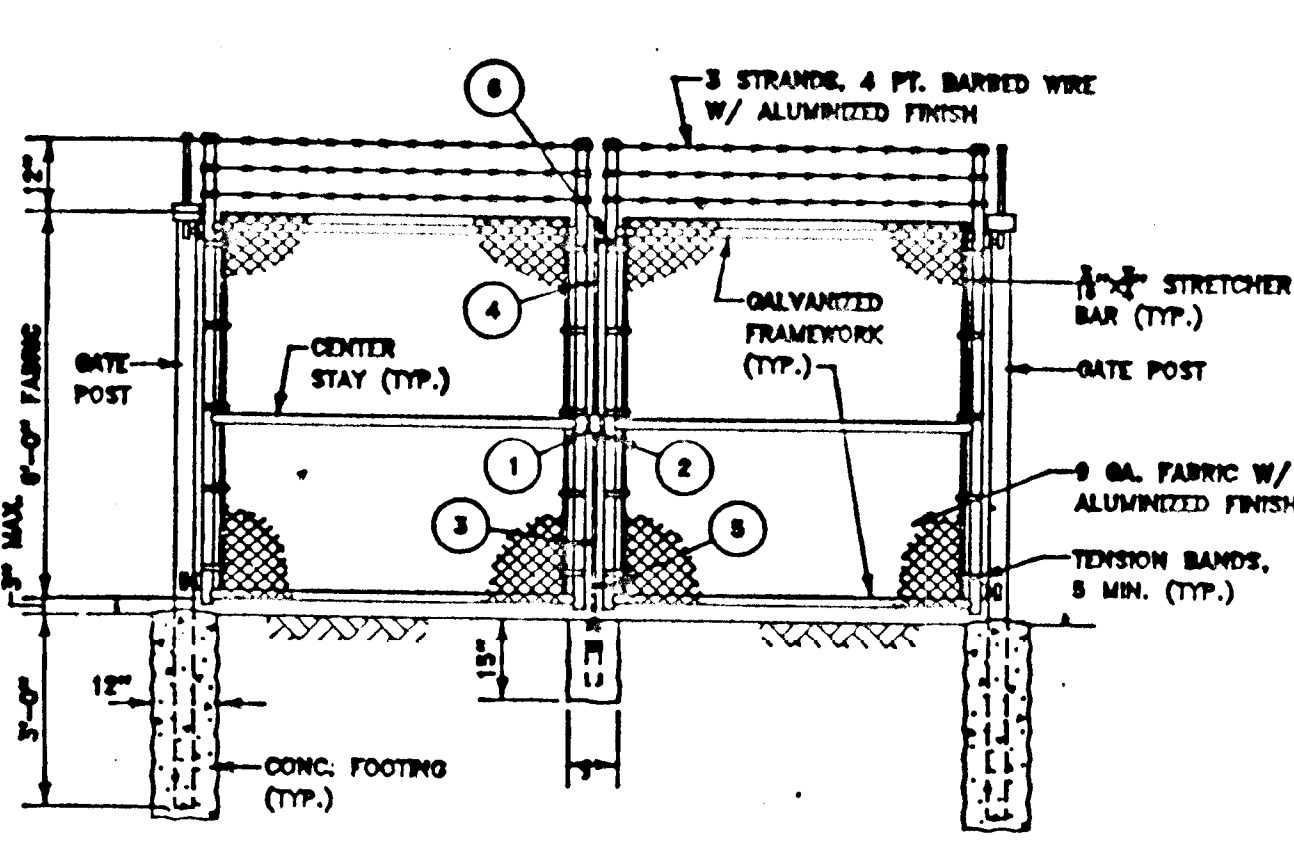


4 POROUS PAVER DETAIL
SCALE: 1 1/2" = 1'-0"

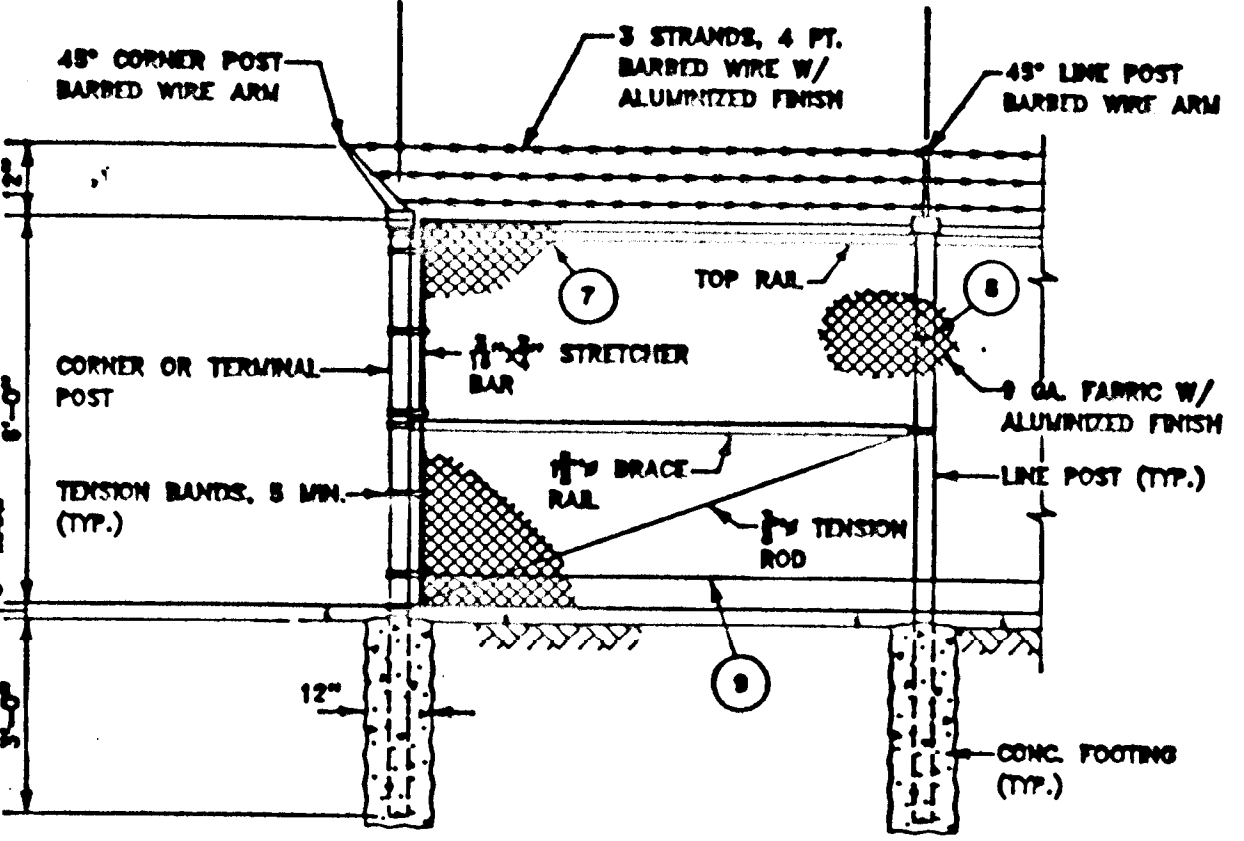


5 CONCRETE ENCASUREMENT DETAIL
SCALE: 3/4" = 1'-0" TYPE G-2.02

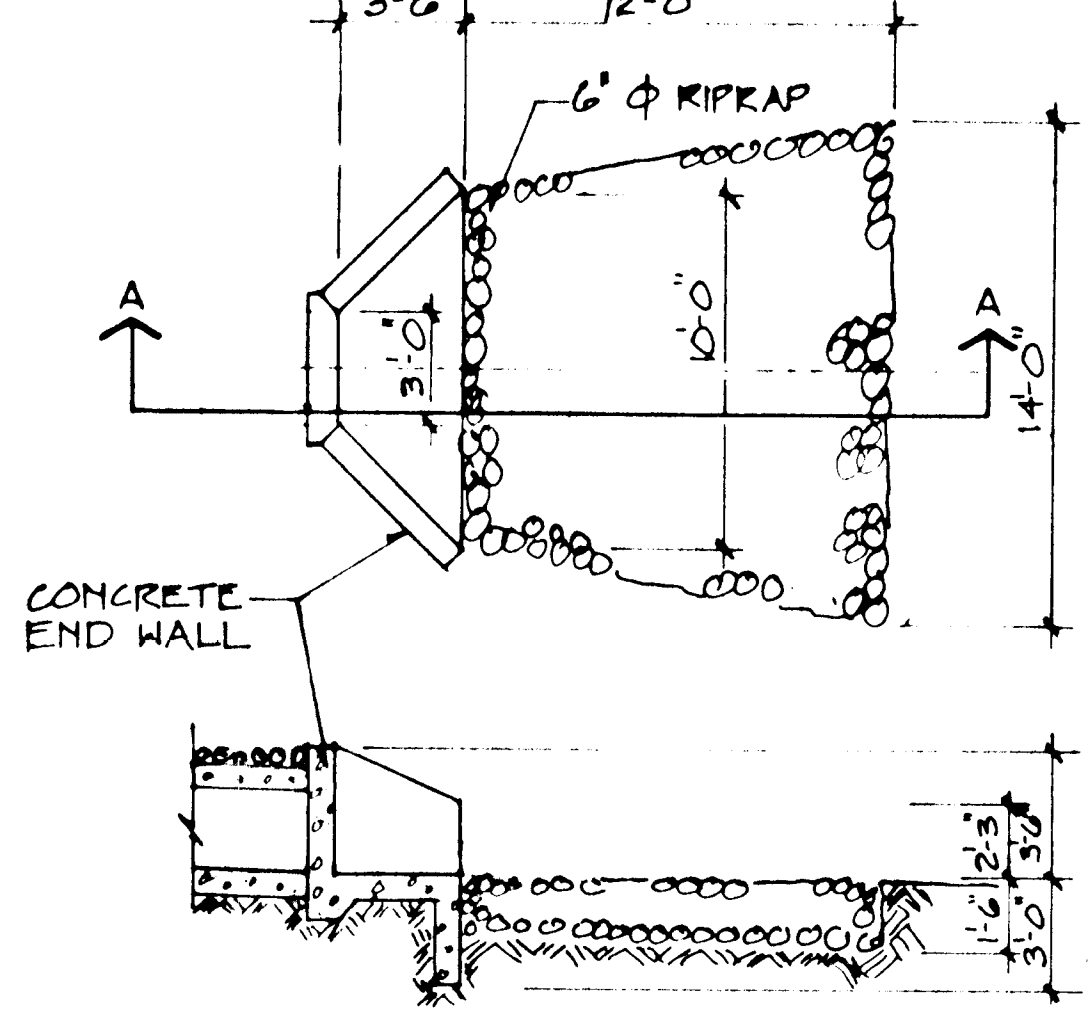
- | | |
|---------------------|--|
| 1 LOCK KEEPER | 7 9 GA. TIE WIRES @ 24" SPACING ON TOP RAIL & TENSION WIRE |
| 2 LOCK KEEPER GUIDE | 8 9 GA. TIE WIRES @ 18" SPACING ON LINE POSTS |
| 3 LOWER FORCS | 9 7 GA. TENSION WIRE, 6" ABOVE BOTTOM SELVAGE |
| 4 UPPER FORCS | |
| 5 LOWER GUIDE | |
| 6 UPPER GUIDE | |



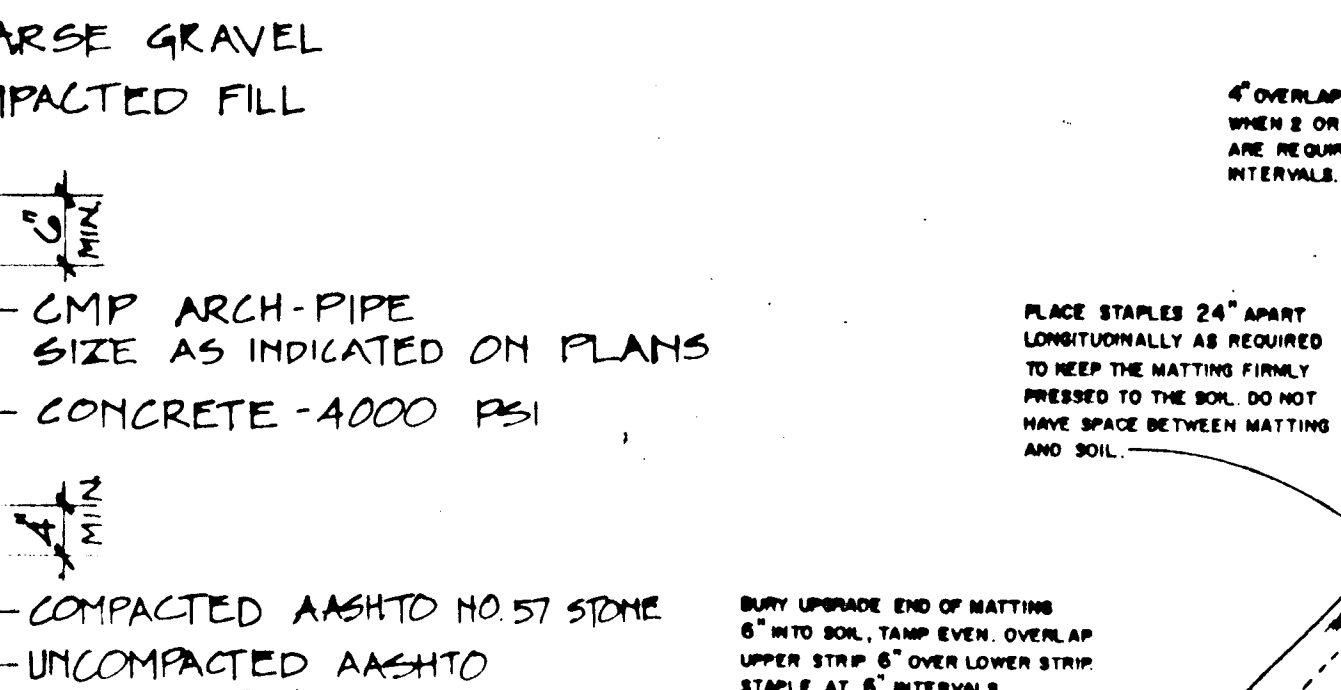
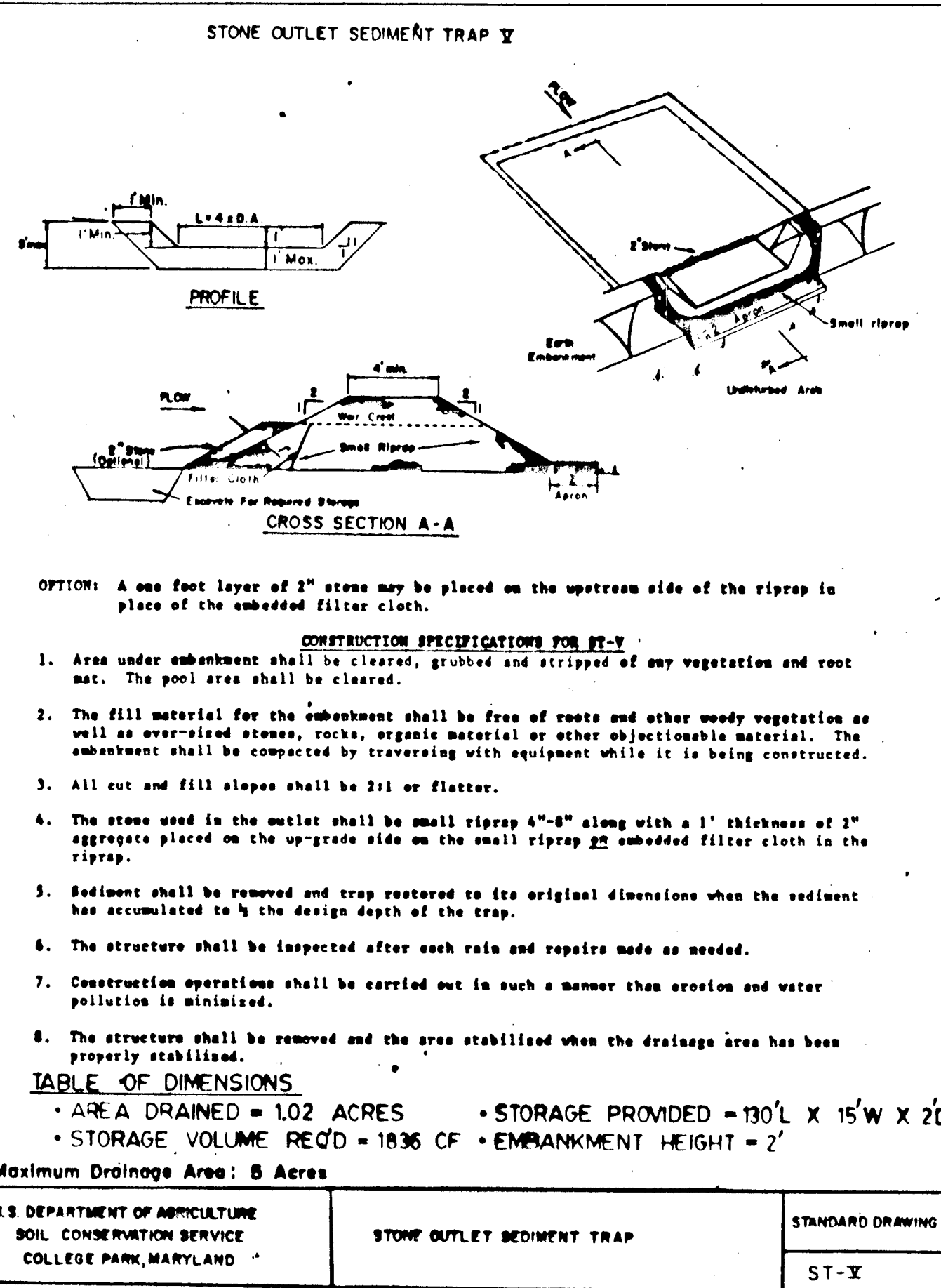
DOUBLE SWING GATE



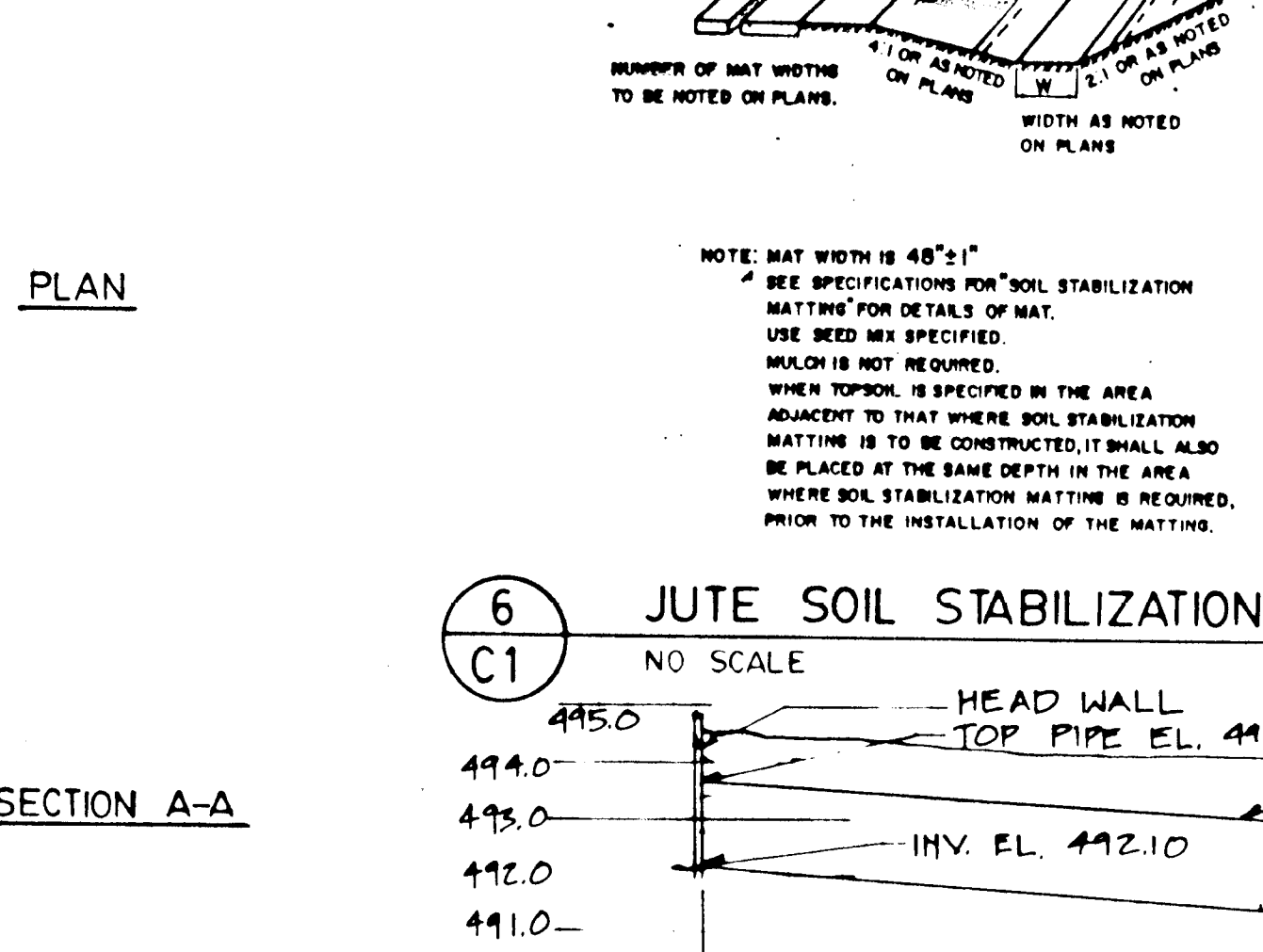
CORNER / TERMINAL END



7 END WALL & RIPRAP DETAIL - TYPE X, SD-5.11
NO SCALE



6 JUTE SOIL STABILIZATION MATTING - MD-389.06
NO SCALE



CORRUGATED METAL PIPE PROFILE
HORIZONTAL SCALE: 1" = 20' VERTICAL SCALE: 1" = 3'

PROJECT NAME ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER	SECT./AREA 25.54 & 11
LIBER./SHEET 10-04/100	TAX./ZONE MAP/REC. DIST. CENSUS TR. 10 & 16 3 6030
WATER CODE PRIVATE EXISTING	SEWER CODE PRIVATE EXISTING
STREET ADDRESS 2350 MARRIOTTVILLE ROAD MARRIOTTVILLE, MD 21104	
REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS:	
U.S. SOIL CONSERVATION SERVICE	DATE
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.	
APPROVED:	DATE
HOWARD CO. SOIL CONSERVATION DISTRICT	DATE
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT.	
COUNTY HEALTH OFFICER	DATE
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING	
DIRECTOR	DATE
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	
APPROVED: FOR WATER AND SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS HOWARD CO. DEPARTMENT OF PUBLIC WORKS	
DIRECTOR	DATE
CHIEF, BUREAU OF ENGINEERING	
	DATE

3 FENCE AND GATE DETAILS
NO SCALE

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Sam E. ... 6/14/04
DIRECTOR OF PUBLIC WORKS DATE

Paul ... 6/14/04
CHIEF, BUREAU OF ENGINEERING DATE

acer
Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel: 717-569-7021

DES: R.L.L.	
DRN: D.J.R.	
CHK: R.L.L.	
DATE: 6/10/94	
BY NO.	REVISION

SITE DETAILS

600' SCALE MAP NO. 10 & 16 BLOCK NO.

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: C0190 D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
C2
3 OF 15

TRAVERSE MON. S-1
ELEV. 490.67'
3/4" RE-BAR
N 536,458.21
E 826,337.95

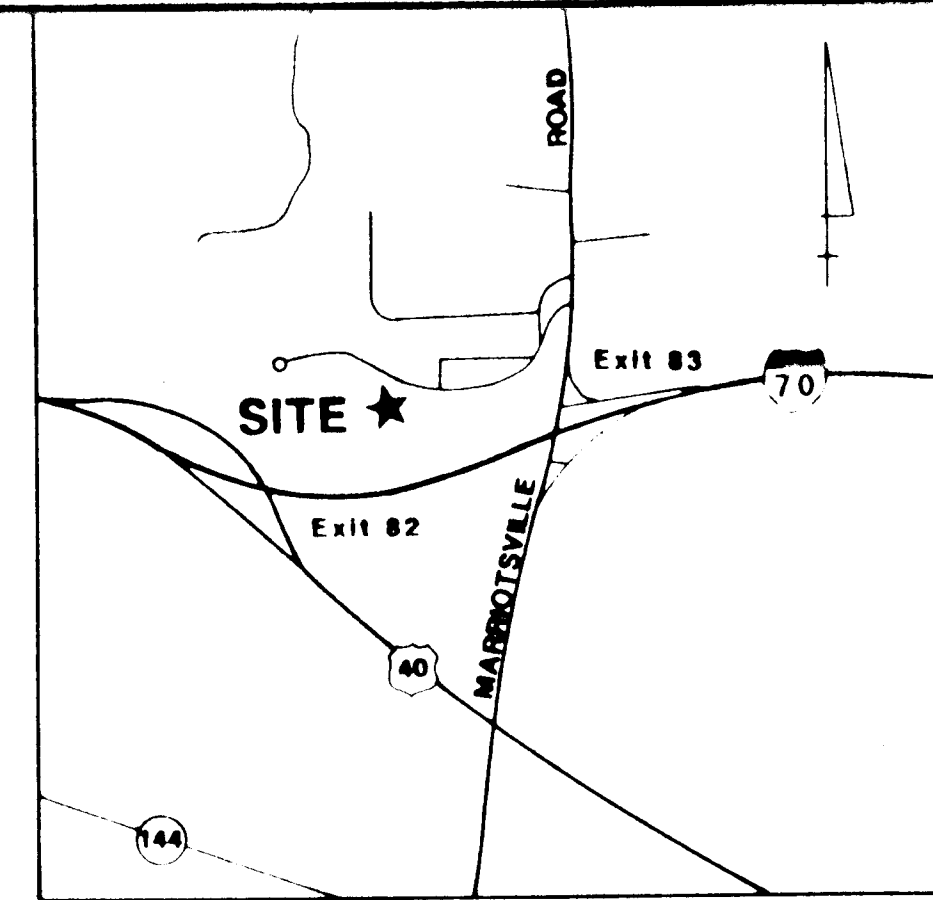
N 536,715.434
E 826,070.361
TRAVERSE MON. 32
ELEV. 507.45'

ENVIRONMENTAL NOTES:

1. NO PART OF THE SITE CONTAINS FLOOD PLAINS OR WET LANDS.
2. SOIL TYPES - SOIL IS PREDOMINATELY GLENELG G1C2 WITH GLENELG G1D3 BORDERING THE SITE. G1C2 HAS A MODERATE EROSION POTENTIAL ON SLOPES BETWEEN 8% TO 15%.
3. VEGETATION - OPEN FIELD GRASSES.

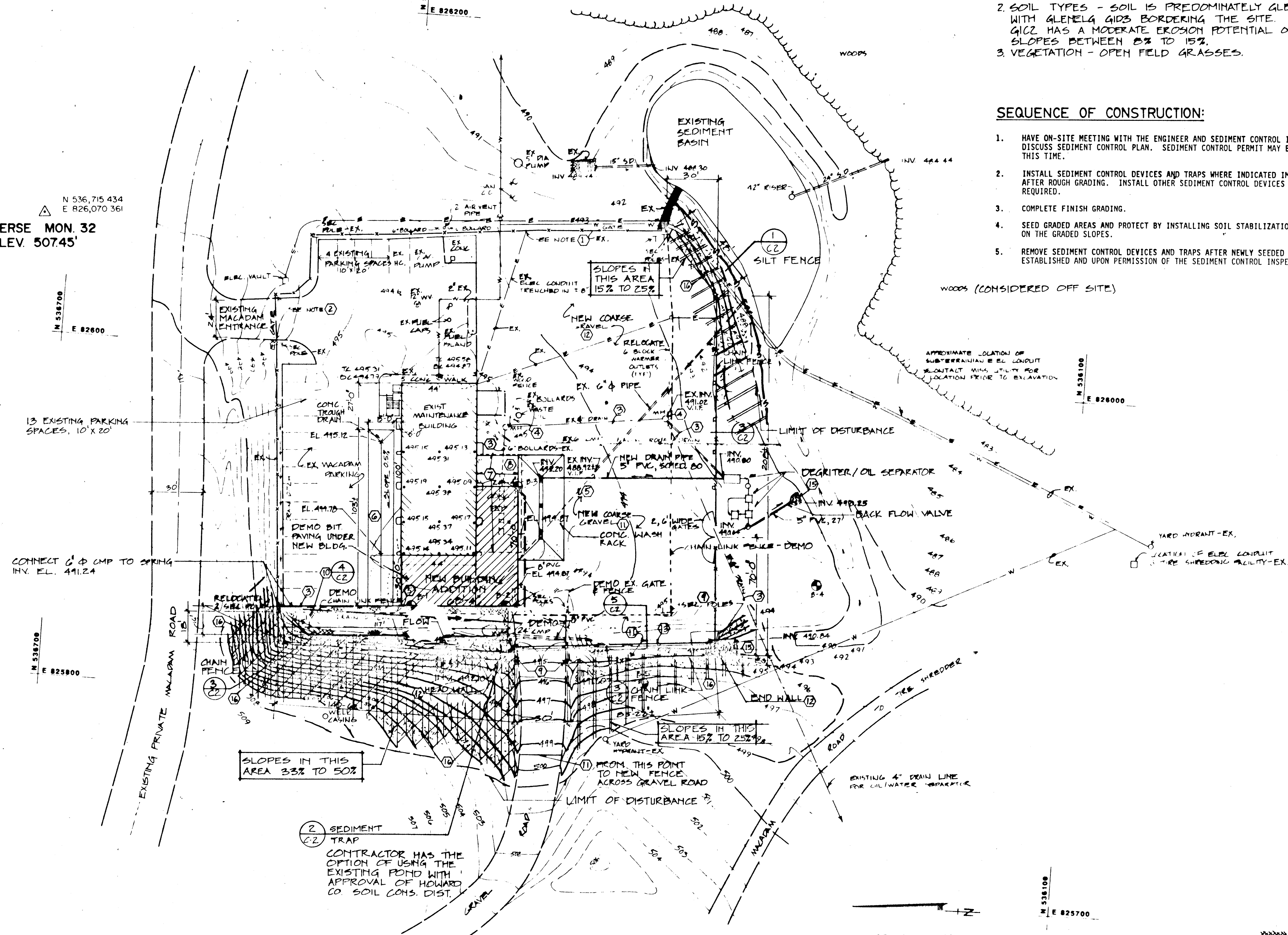
SEQUENCE OF CONSTRUCTION:

1. HAVE ON-SITE MEETING WITH THE ENGINEER AND SEDIMENT CONTROL INSPECTOR TO DISCUSS SEDIMENT CONTROL PLAN. SEDIMENT CONTROL PERMIT MAY BE ISSUED AT THIS TIME.
2. INSTALL SEDIMENT CONTROL DEVICES AND TRAPS WHERE INDICATED IMMEDIATELY AFTER ROUGH GRADING. INSTALL OTHER SEDIMENT CONTROL DEVICES AS REQUIRED.
3. COMPLETE FINISH GRADING.
4. SEED GRADED AREAS AND PROTECT BY INSTALLING SOIL STABILIZATION MATTING ON THE GRADED SLOPES.
5. REMOVE SEDIMENT CONTROL DEVICES AND TRAPS AFTER NEWLY SEEDS ARE ESTABLISHED AND UPON PERMISSION OF THE SEDIMENT CONTROL INSPECTOR.



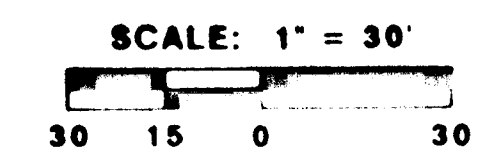
VICINITY MAP
SCALE 1" = 2000'

PROJECT NAME ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER	SECT./AREA 25, 54 & 11	LOT/PARCEL 25, 54 & 11
LIBER/FOLIO/BLOCK 10-247/636 10-872/25, 10-891/314	TAX/ZONE MAP/ELEC. DIST. CENSUS TR. RC 10 & 16 3 6030	
WATER CODE PRIVATE EXISTING	SEWER CODE PRIVATE EXISTING	
STREET ADDRESS 2350 MARRIOTTSVILLE ROAD MARRIOTTSVILLE, MD 21104		
REVIEWED FOR HOWARD COUNTY S.C.D. AND MEETS TECHNICAL REQUIREMENTS:		
U.S. SOIL CONSERVATION SERVICE	DATE	
THIS DEVELOPMENT PLAN IS APPROVED FOR SOIL EROSION AND SEDIMENT CONTROL BY THE HOWARD COUNTY SOIL CONSERVATION DISTRICT.		
APPROVED:		
HOWARD CO. SOIL CONSERVATION DISTRICT	DATE	
APPROVED: FOR PRIVATE WATER AND PRIVATE SEWERAGE SYSTEMS. HOWARD COUNTY HEALTH DEPARTMENT		
COUNTY HEALTH OFFICER	DATE	
APPROVED: HOWARD COUNTY DEPT. OF PLANNING & ZONING		
DIRECTOR	DATE	
CHIEF, DIVISION OF COMMUNITY PLANNING AND LAND DEVELOPMENT	DATE	
APPROVED: FOR WATER AND SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD CO. DEPARTMENT OF PUBLIC WORKS		
DIRECTOR	DATE	
CHIEF, BUREAU OF ENGINEERING	DATE	



LEGEND

- 3" DRAIN TILE
- W- WATER LINE
- E ELEC. CONDUIT
- CURB
- WOODS
- REBAR
- FENCE
- T T SECURITY POLES
- EXISTING STRUCTURE
- EDGE MACADAM
- EDGE GRAVEL
- 499 500 CONTOURS - EXISTING DASHED (NEW CONTINUOUS)
- POROUS PAVEMENT
- EDGE OF NEW SEEDING
- B-1 BORING LOCATION
- WATER VALVE
- STORM DRAIN - NEW
- STORM DRAIN - EXISTING
- KEYED NOTE



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

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Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel 717-569-7002

REV. RLL		
PEN RLL		
CHK N.W.M.	REV. PER SOIL CONS. SERVICE COM'S 8-12-92	
	REV. PER SOIL CONS. SERVICE COM'S 5-27-94	
DATE 6/10/94	REVISED PER DPZ COMMENTS 1-29-92	
REVISION	DATE	

SOIL AND SEDIMENT EROSION CONTROL PLAN

**ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY**

capital project C-0190 D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET C3
4 OF 15

ROOM FINISH SCHEDULE

ROOM NO.	ROOM NAME	FLOOR	BASE	WALLS		CEILING		REMARKS
				MAT'L	FINISH	MAT'L	FINISH HT	
101	EXISTING MAINT. BAYS	EXIST. CONC.	---	CMU & G.W.B.	PTD	---	---	PAINT EAST & WEST WALLS (G.W.B.) & (C.M.U.)
102	NEW MAINT. BAYS	CONC W/ SEALER	---	C.M.U.	PTD	METAL DECK	PTD	PAINT METAL DECK AND STEEL JOISTS
103	OIL & EQUIPMENT STORAGE	---	---	---	---	---	---	---
104	PARTS STORAGE	---	---	---	---	---	---	---
105	TOOL CRIB	---	---	---	---	---	---	---
M01	STORAGE	VCT	VINYL	G.W.B.	PTD	AC T	---	7'-10"
M02	STORAGE	---	---	---	---	---	---	---
M03	STORAGE	---	---	---	---	---	---	---
M04	CORRIDOR	---	---	G.W.B. & C.M.U.	---	---	---	---
M05	WATER HEATER	---	---	G.W.B.	---	---	---	---
M06	MEZZANINE	CONC W/ SEALER	---	C.M.U.	---	METAL DECK	PTD	PAINT METAL DECK AND STEEL JOISTS

DEMOLITION AND RECONSTRUCTION NOTES

- WOOD FRAMED PARTITIONS 2'x4' TREATED STUDS @ 16" O.C. WITH 5/8" GWB BOTH SIDES. PARTITIONS CONTINUOUS FROM FLOOR TO UNDERSIDE OF EXISTING METAL DECK. FILL VOID BETWEEN STUDS WITH 3" ACOUSTICAL BATT INSULATION.
- WOOD FRAMED PARTITIONS 2'x4' TREATED STUDS @ 16" O.C. WITH 5/8" GWB BOTH SIDES. PARTITIONS CONTINUOUS FROM FLOOR TO UNDERSIDE OF EXISTING METAL DECK.
- WOOD FRAMED PARTITION, 1-HOUR RATED, UL NO. 0309. 5/8" TYPE "X" GWB ON 2'x4' TREATED WOOD STUDS @ 16" O.C. CONTINUOUS FROM FLOOR TO UNDERSIDE OF METAL DECK. PROVIDE SAFING INSULATION IN FLUTES.
- RELOCATE ICE MACHINE. NEW SUPPLY WATER AND DRAIN BY P.C.
- EXISTING HOT WATER HEATER ON EXISTING MEZZANINE TO BE RELOCATED TO ROOM M05. EXISTING PIPING TO BE BURIED AROUND.
- REMOVE EXISTING WIRE MESH PARTITION.
- REMOVE CMU FOR NEW DOOR OPENING.
- REMOVE EXISTING DOOR, FRAME, AND THRESHOLD. INFILL EXISTING OPENING WITH 12" CMU FINISH TO MATCH EXISTING.
- SAW CUT AND REMOVE EXISTING 12" CMU FOR INSTALLATION OF NEW SLIDING PASS WINDOW.
- REMOVE EXISTING COIL DOORS. PATCH AND REPAIR EXISTING WALL TO MATCH EXISTING.
- REMOVE EXISTING STEEL PIPE POLLARD AND PART OF CONCRETE CURB AS LOCATED ON PLAN.
- SAW CUT 3'-4" x 4'-4" x 1'-0" D IN EXISTING CMU AND REMOVE FOR INSTALLATION OF NEW WINDOWS AND LINTELS.

ABBREVIATIONS

ACT	ACTUAL	ACT	ACTUAL
AFF	ABOVE FINISH FLOOR	ALUM	ALUMINUM
BRG	BEARING	BUR	BUILT-UP ROOF
CL	CENTER LINE	CL	CENTER LINE
CMU	CONCRETE	CMU	CONCRETE MASONRY UNITS
CONT.	CONTINUE	CONT.	CONTINUE
D	DEPTH	DTL	DETAIL
DN	DOWN	DWG	DRAWING
EL	ELEVATION	EC	ELECTRICAL CONTRACTOR
EQUIP	EQUIPMENT	EL	ELEVATION
EXIST	EXISTING	FE	FIRE EXTINGUISHER
FIN	FINISH	FLR	FLOOR
GALV	GALVANIZED	GC	GENERAL CONTRACTOR
GC	GENERAL CONTRACTOR	GWB	GYPSON BOARD
HC	HEATING CONTRACTOR	HP	HIGH POINT
HM	HOLLOW METAL	HT	HEIGHT
HT	HEIGHT	LAND'G	LANDING
LP	LOW POINT	MECH	MECHANICAL
MCH	MASONRY OPENING	MIC	METAL IN CONTACT
NIC	NOT IN CONTRACT	PC	PLUMBING CONTRACTOR
PC	PLUMBING CONTRACTOR	PMF	PRE-MOLDED FILLER
PTD	PAINTED	RMC	RAINWATER CONDUCTOR
RMC	RAINWATER CONDUCTOR	TEMP	TEMPERED
TYP	TYPICAL	VCT	VINYL COMPOSITION TILE
VCT	VINYL COMPOSITION TILE	W	WIDTH
W	WIDTH	W/W	WELDED WIRE MESH
W/W	WELDED WIRE MESH	C J	CONSTRUCTION JOINT
C J	CONSTRUCTION JOINT	CLJ	CONTROL JOINT
CLJ	CONTROL JOINT	W/H	WALL HEAT PUMP

INDICATORS

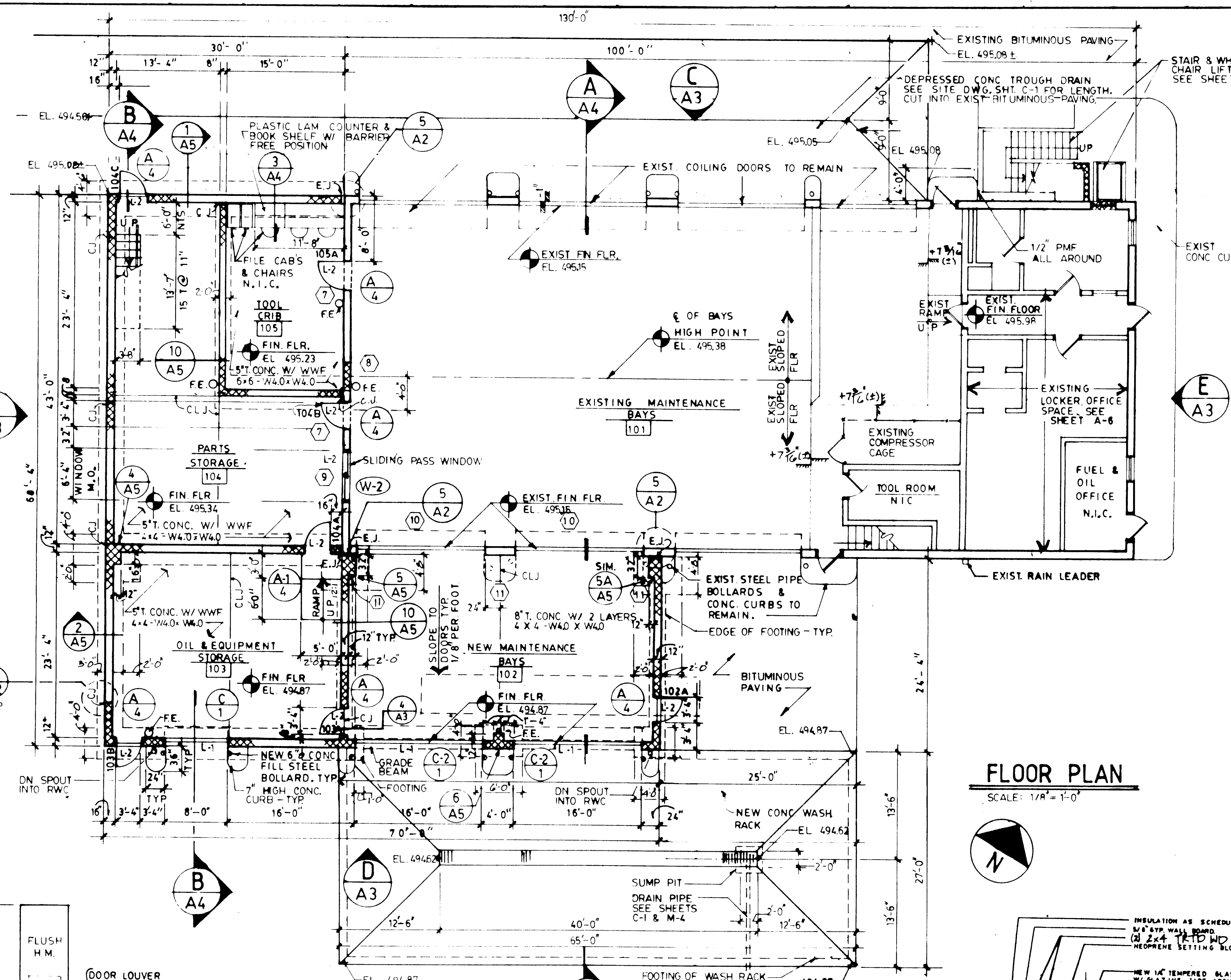
- 1 - DETAIL NO.
- A7 - ELEVATION SHEET WHERE VIEW IS SHOWN
- 2 - SECTION
- A - BUILDING SECTION
- 3 - DETAIL
- A10 - DETAIL NO.
- 1 - TITLE
- A2 A3 - SHEET WHERE VIEW IS TAKEN

- 2 - NOTE
- EXISTING DOOR
- L-1 - LINTEL TYPE
- NEW DOOR
- DOOR TYPE
- FRAME DETAIL
- NAME
- ROOM NAME/NO.
- TOP OF SLAB
- SPOT ELEVATION

LINTEL SCHEDULE

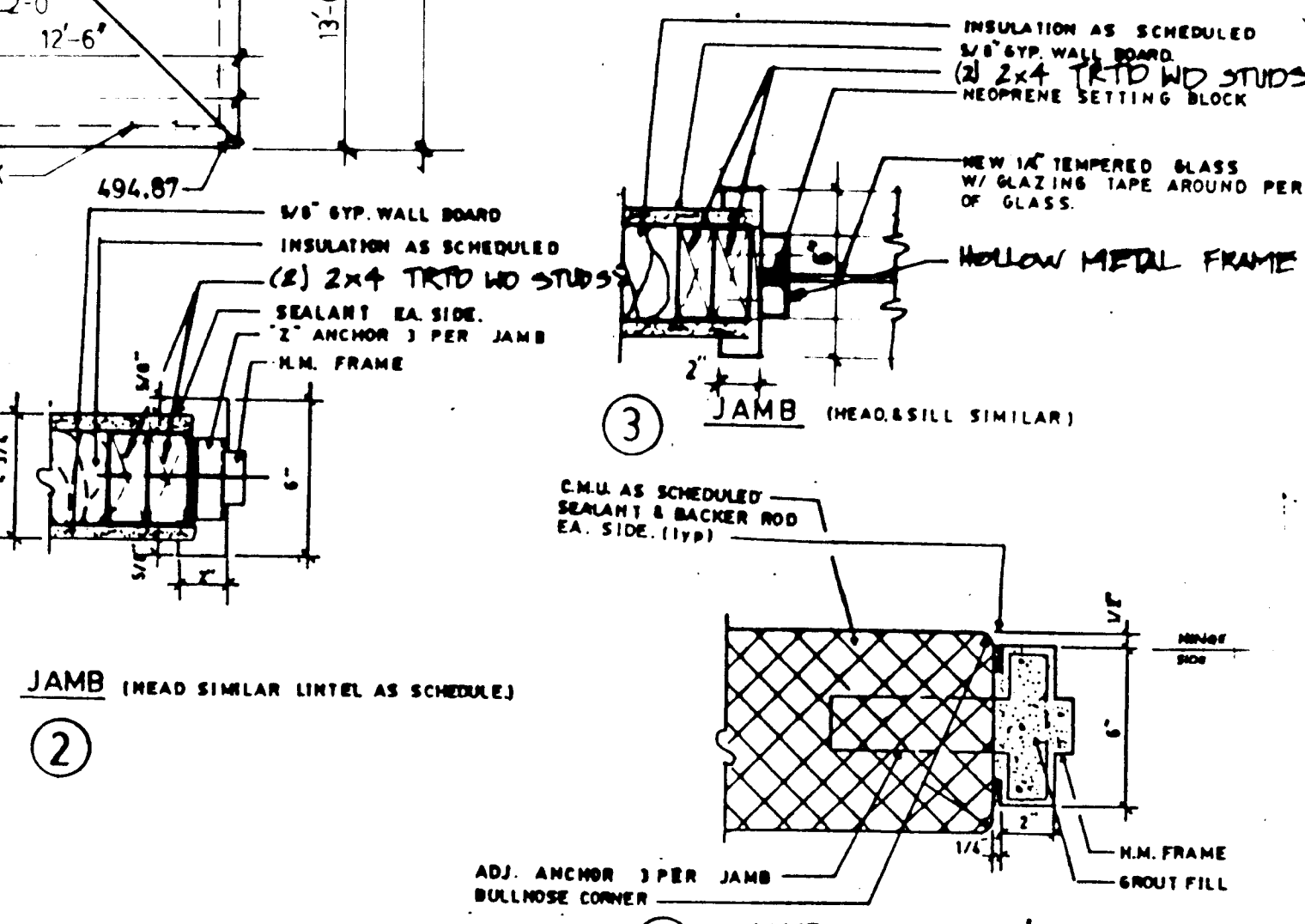
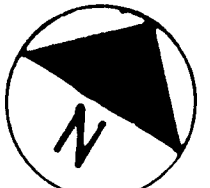
NO.	TYPE	DESCRIPTION	REMARKS
L-1	I	W8 x 21 W/ 5/16" x 11" CONT. BOTTOM PLATE	12" WALL
L-2	J	(4) 3/2" x 2 1/2" x 5/16" ANGLES	12" WALL

PROVIDE 8" MINIMUM BEARING AT STRAIGHT WALLS AND 6" BEARING AT CORNER CONDITIONS



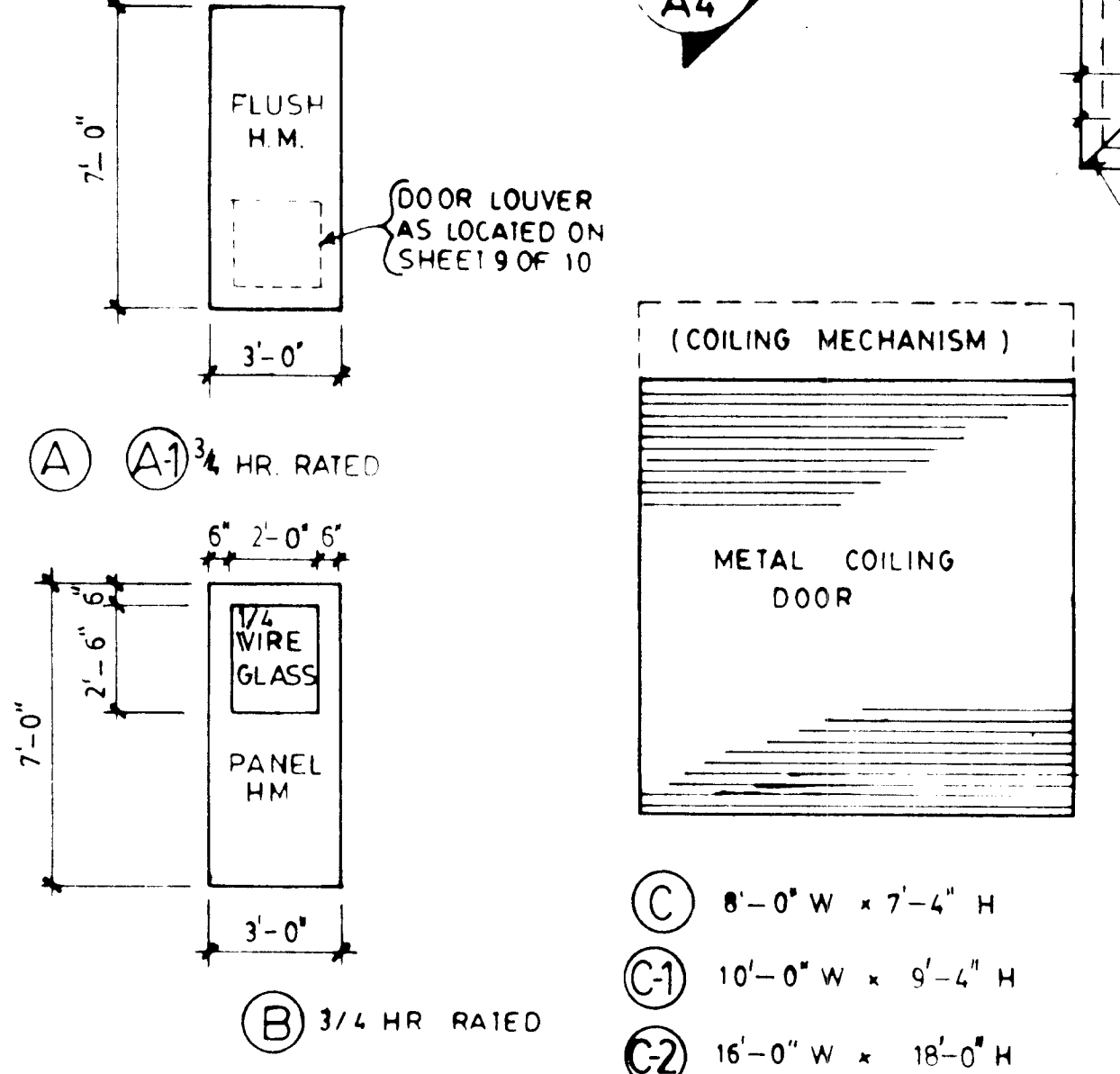
FLOOR PLAN

SCALE: 1/4" = 1'-0"



HOLLOW METAL DOOR & WINDOW JAMB & HEAD DETAILS

NOT TO SCALE



DOOR ELEVATIONS

SCALE: 1/4" = 1'-0"

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature]
DIRECTOR OF PUBLIC WORKS

[Signature]
CHIEF, BUREAU OF ENGINEERING

acer
Acer Engineers & Consultants, Inc.

270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel. 717-569-7021

DES: R L L	DRN: D J R	CHK: R L L	DATE: 6/10/94
BY NO.	REVISION	DATE	600' SCALE MAP NO.

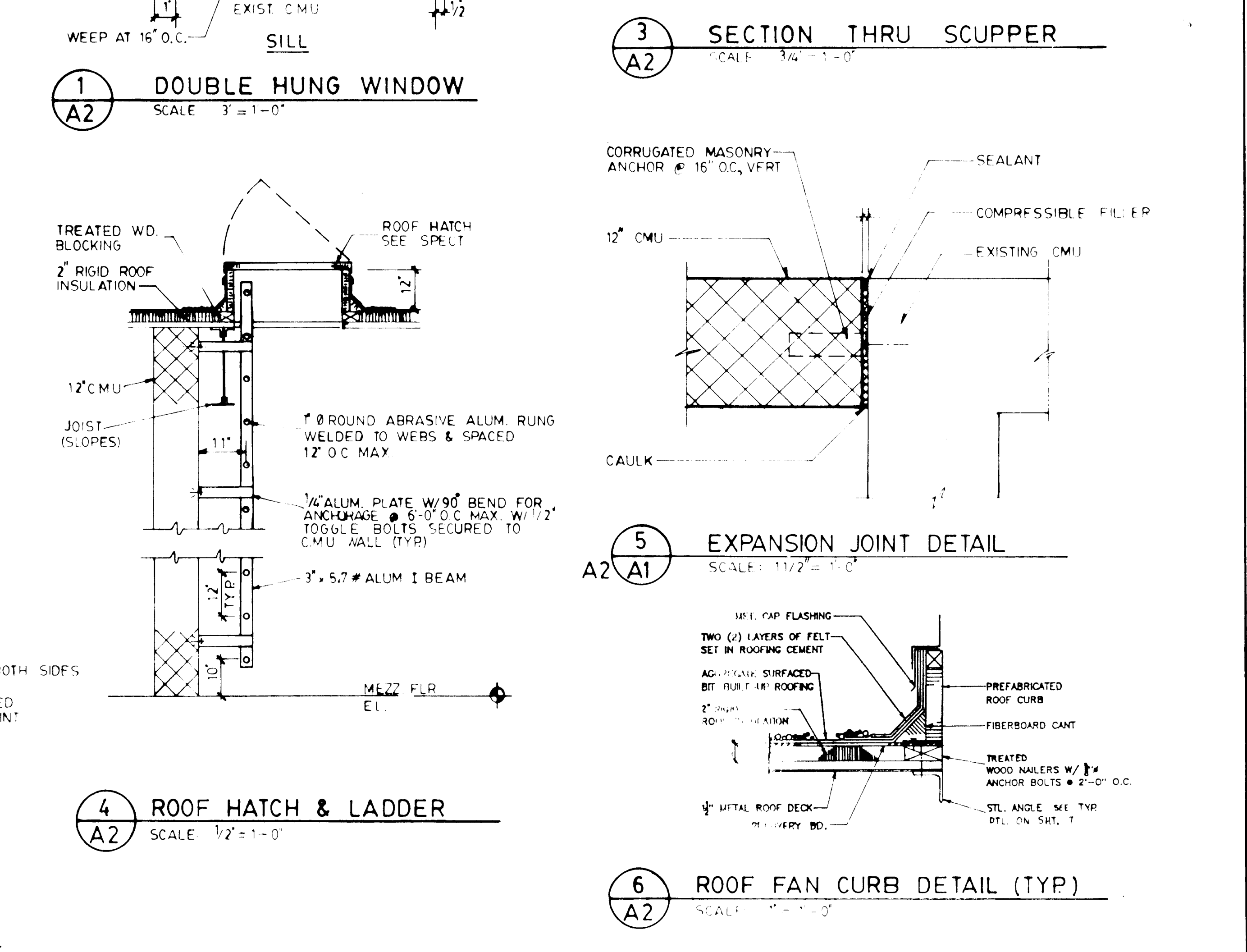
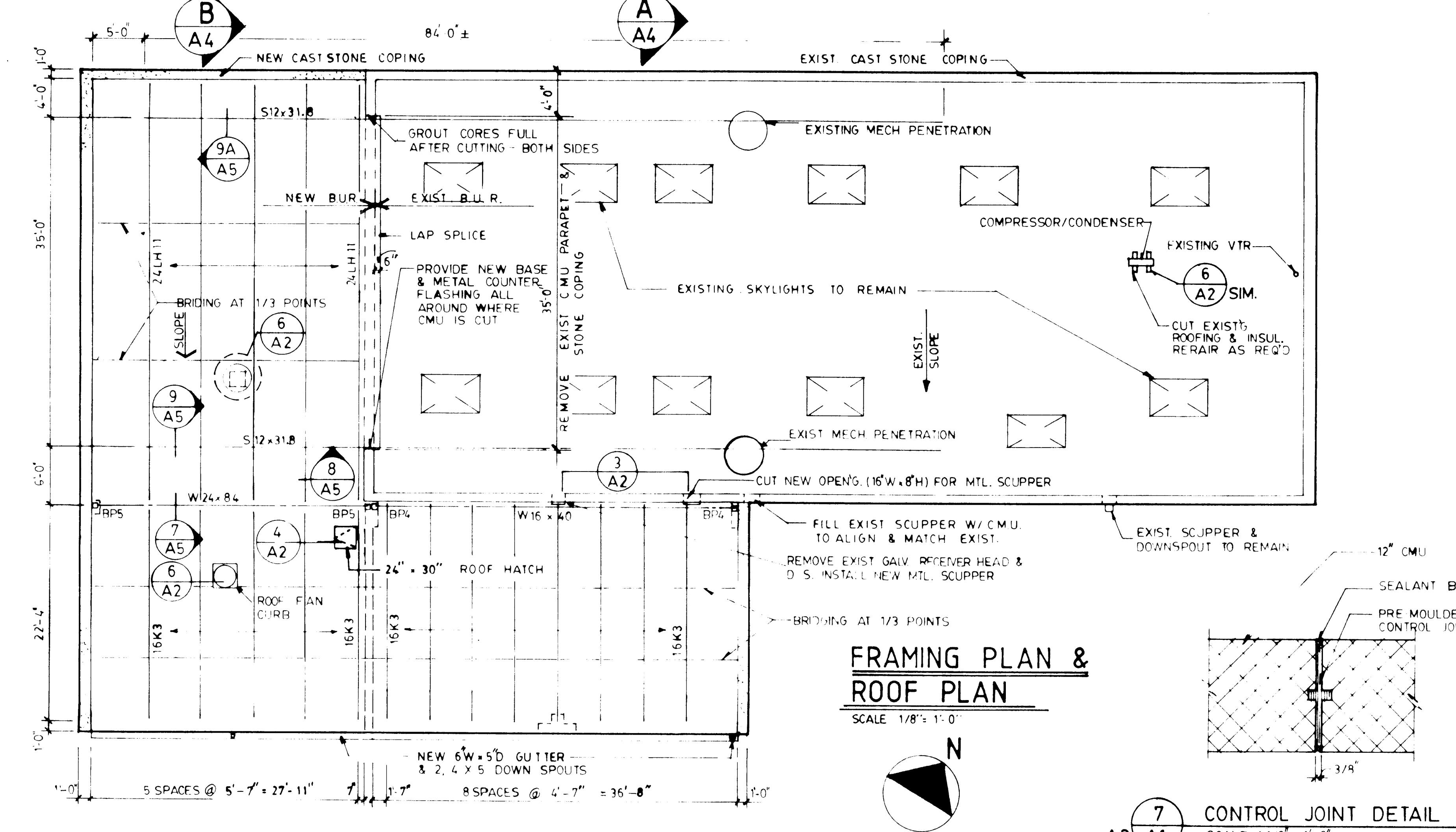
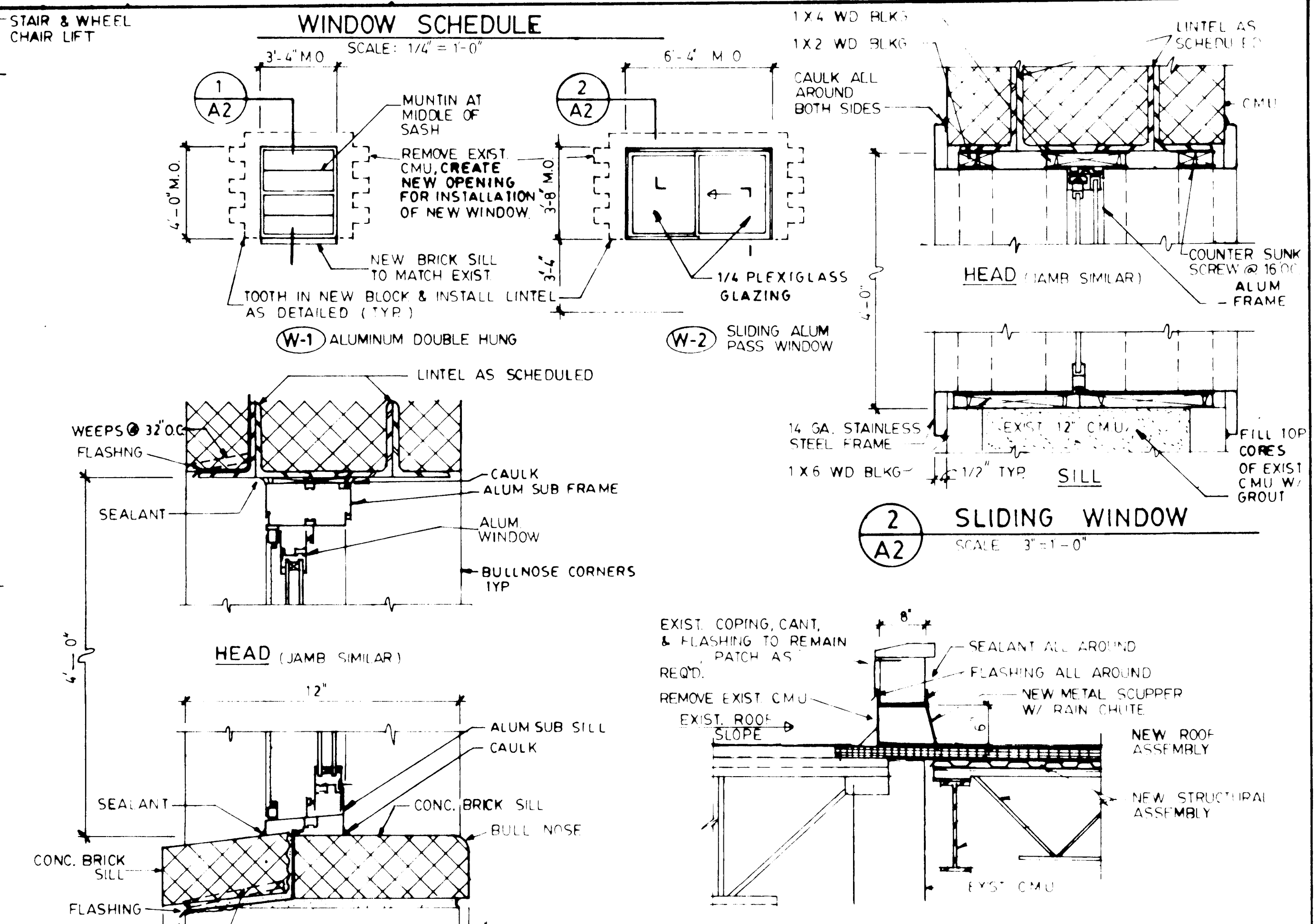
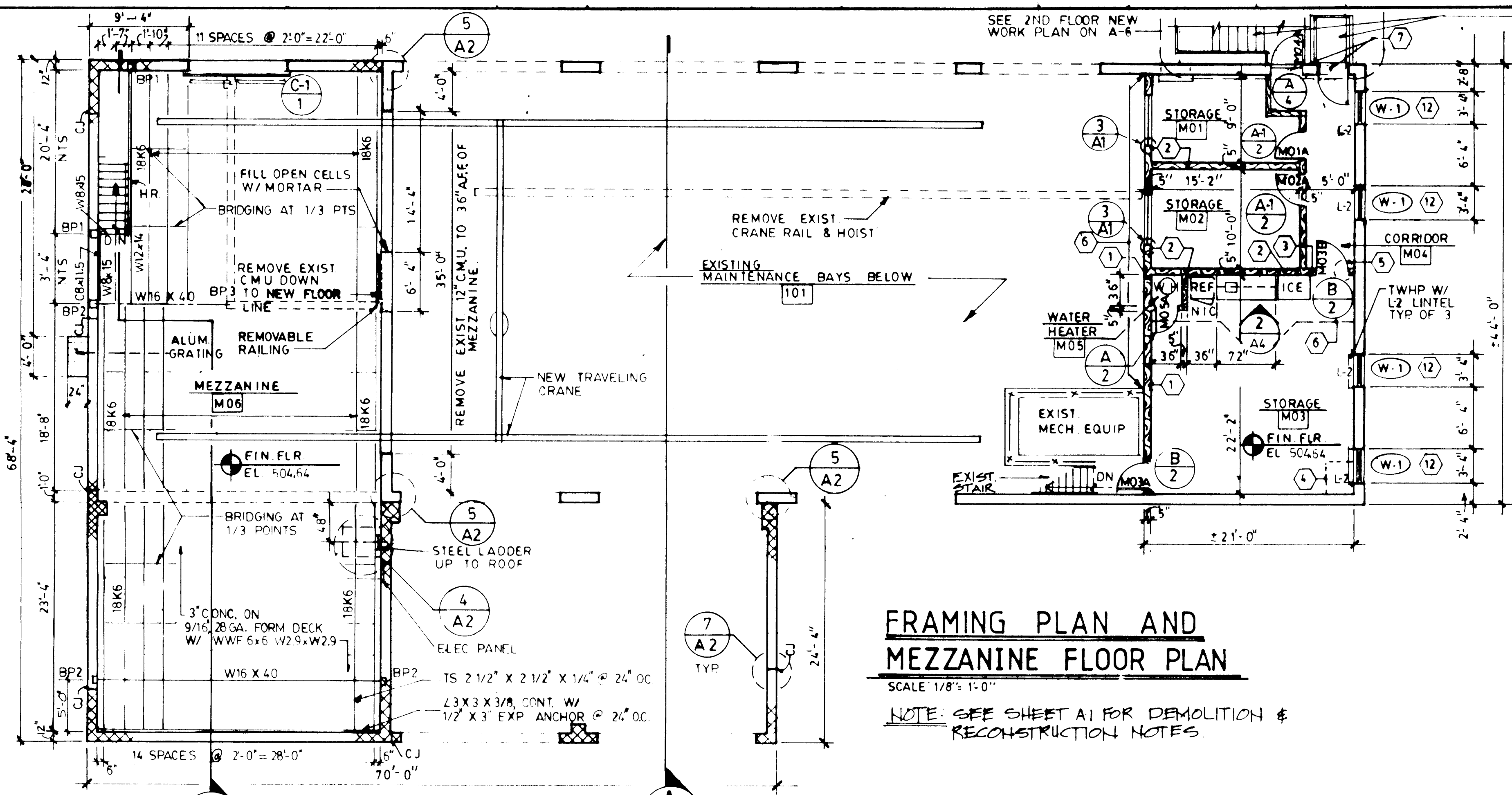
FLOOR PLAN

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: C0190 D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

A1

5 OF 15



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works
DATE: 6/14/94

Chief, Bureau of Engineering
DATE: 6/14/94

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Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel: 717-569-7021

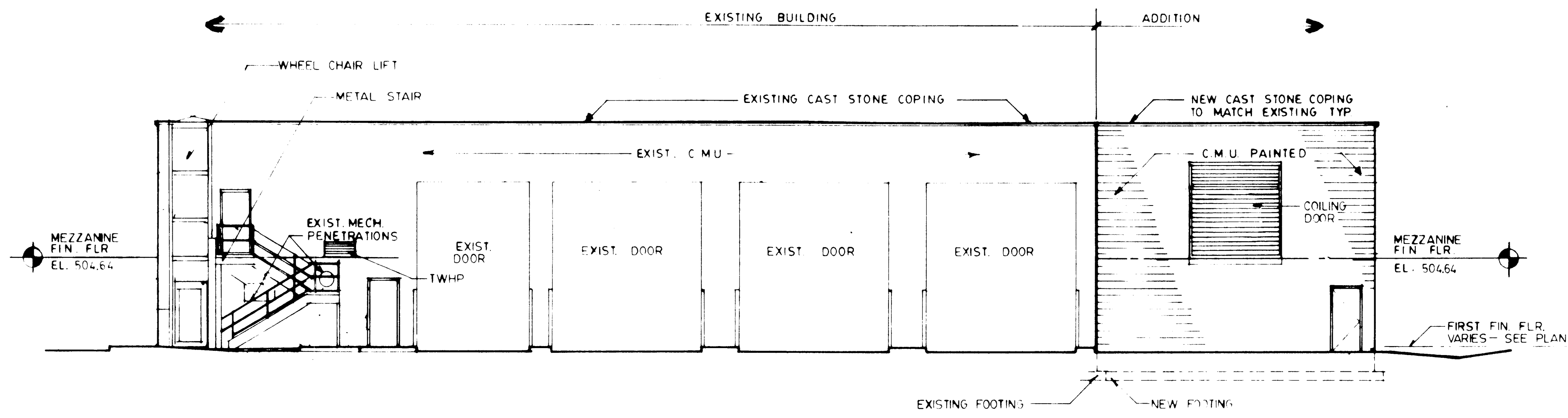
1794
Professional Engineer
Maryland

DES: R.L.L.					
DRN: D.J.R. & D.A.C.					
CHK: R.L.L.					
DATE: 6/10/94	BY: NO.	REVISION	DATE	600' SCALE MAP NO.	BLOCK NO.

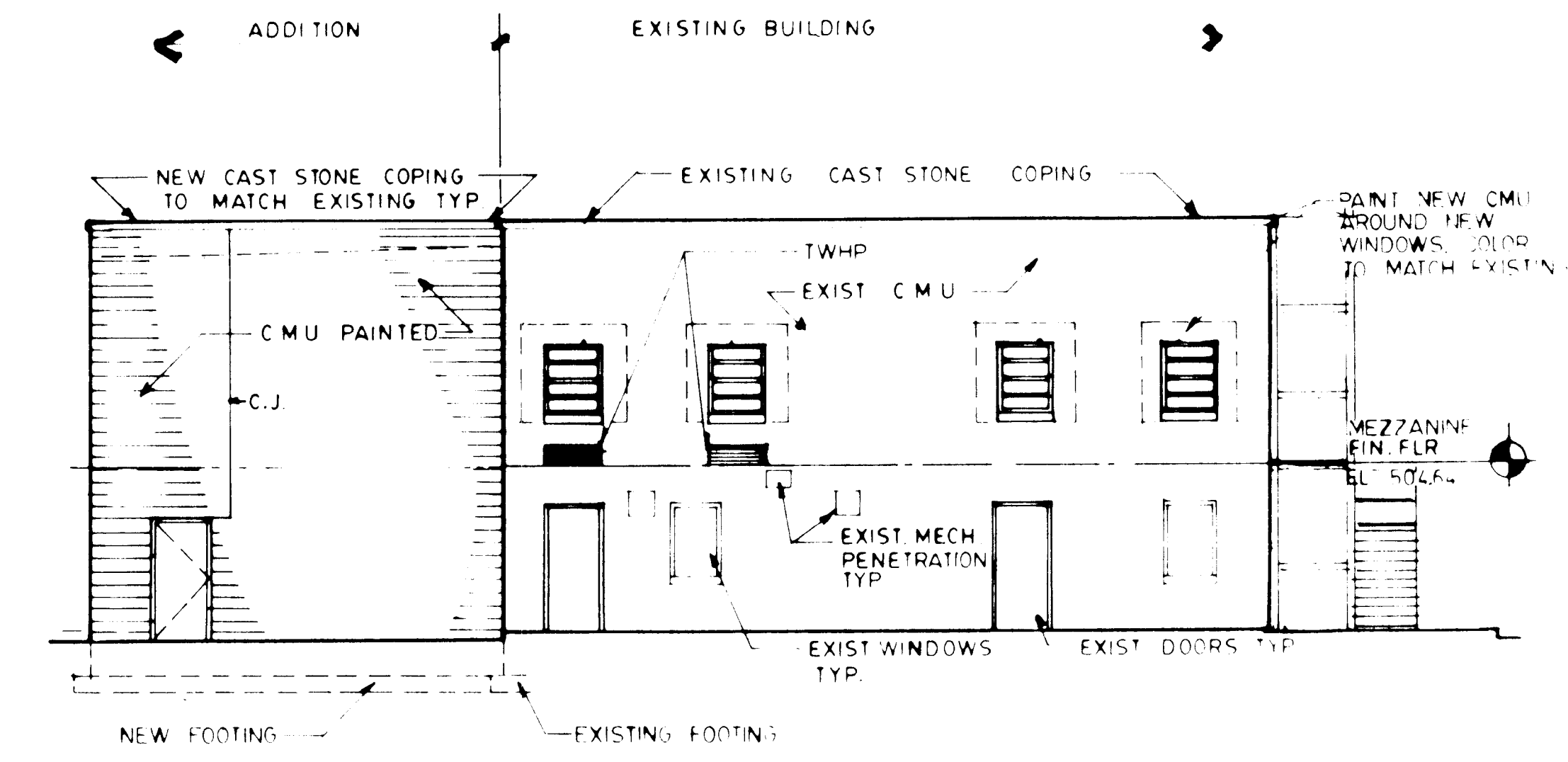
MEZZANINE / ROOF PLAN

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: C0190 D
HOWARD COUNTY, MARYLAND

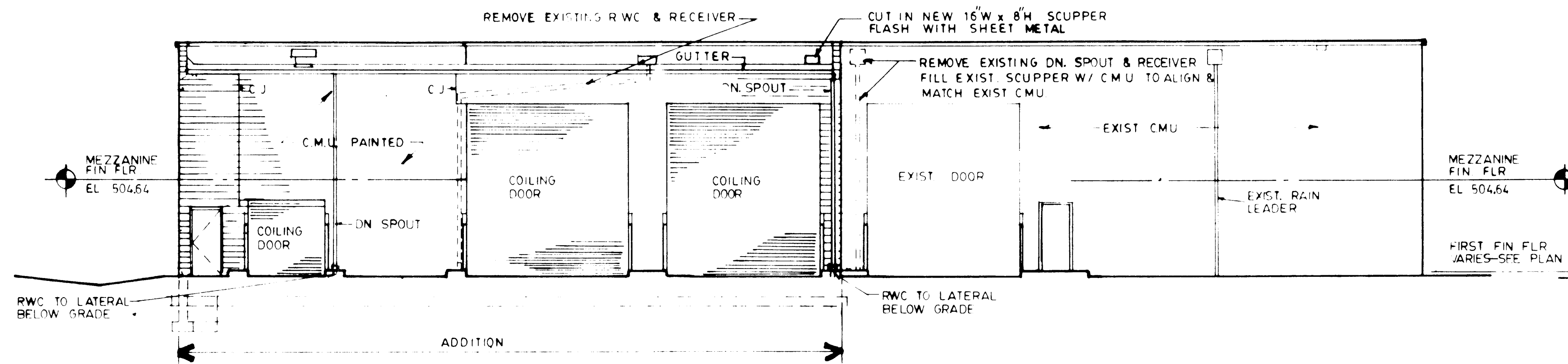
SCALE AS SHOWN
A2
OF 15



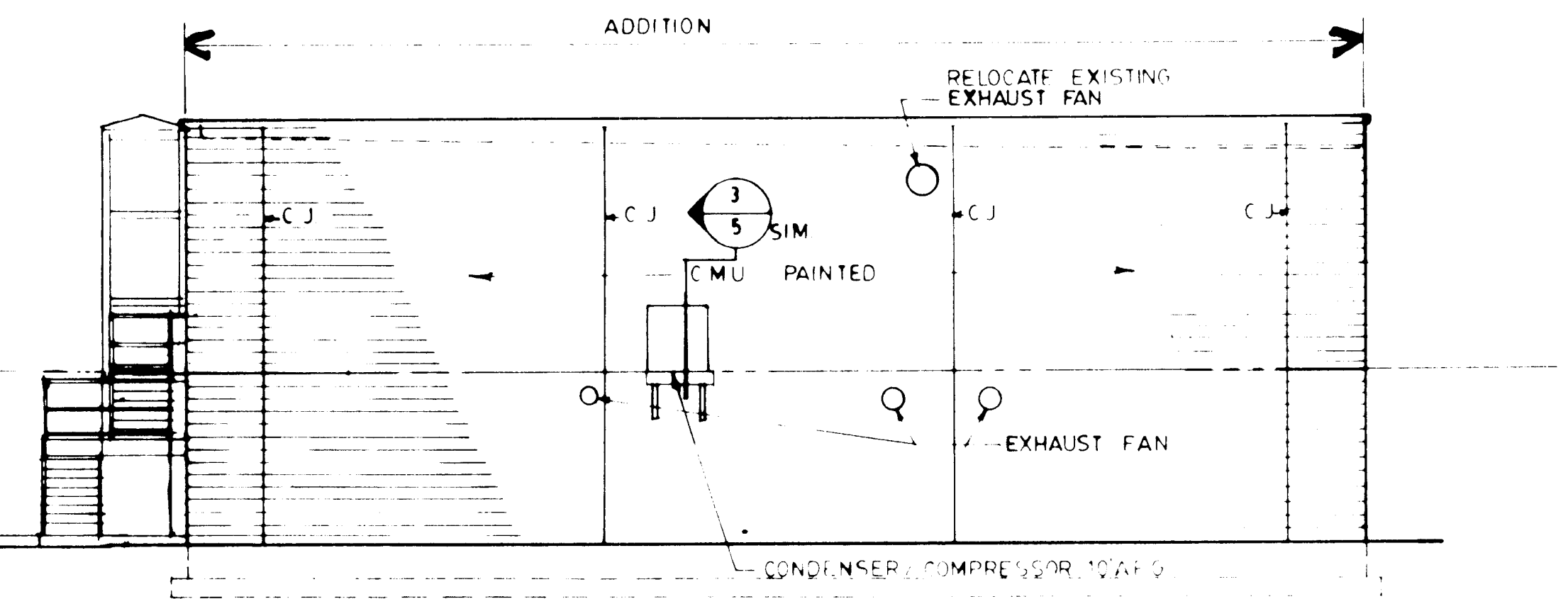
C NORTH ELEVATION
A-1 SCALE: 1/8" = 1'-0"



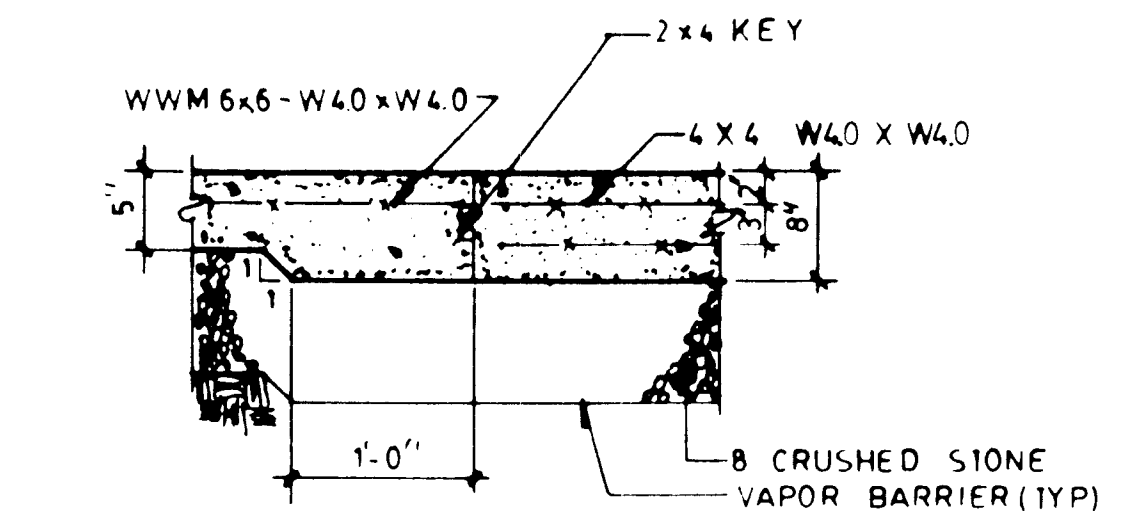
E EAST ELEVATION
A-1 SCALE: 1/8" = 1'-0"



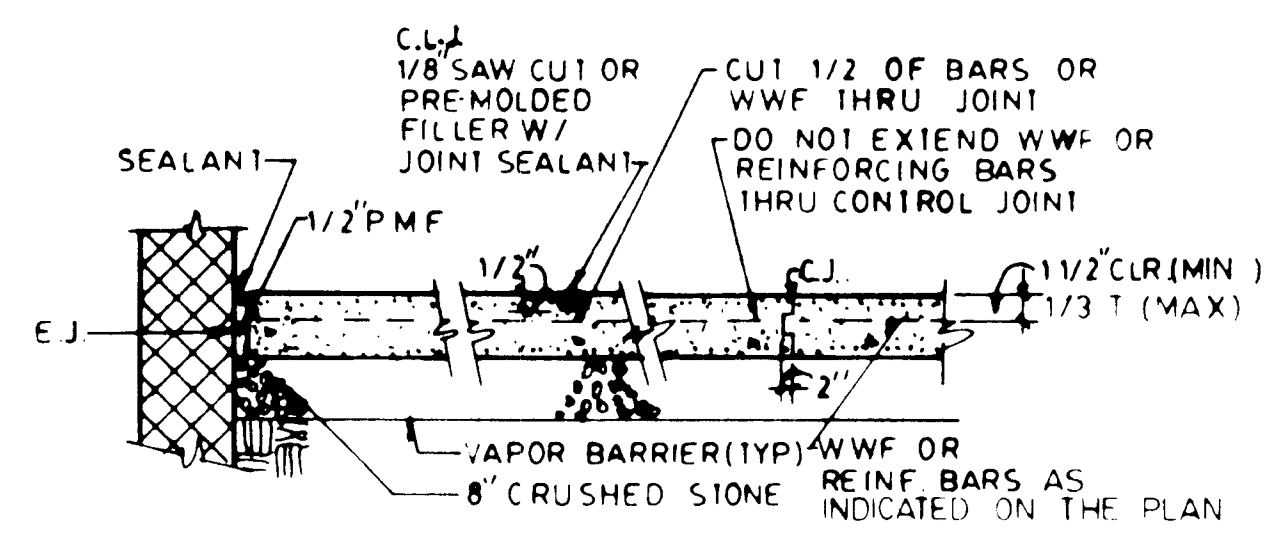
D SOUTH ELEVATION
A-1 SCALE: 1/8" = 1'-0"



F WEST ELEVATION
A-1 SCALE: 1/8" = 1'-0"



4 SECTION
A1 N.T.S.



NOTE SEE SHEET 3
NEW CONCRETE SLABS ON GRADE THICKNESS & REINF. AS INDICATED ON PLAN.
TYP. SLAB ON GRADE
N.T.S.

GENERAL STRUCTURAL NOTES

- A. DESIGN INFORMATION**
- CODES**
 - A. BUILDING OFFICIALS AND CODE ADMINISTRATORS - "BOCA BUILDING CODE" - 1967 EDITION
 - B. AMERICAN CONCRETE INSTITUTE - "BUILDING CODE REQUIREMENTS FOR REINFORCED CONCRETE" (ACI 318-89)
 - C. AMERICAN INSTITUTE OF STEEL CONSTRUCTION - "SPECIFICATION FOR THE DESIGN, FABRICATION AND ERECTION OF STRUCTURAL STEEL FOR BUILDINGS" - 9TH EDITION
 - D. AMERICAN CONCRETE INSTITUTE - "BUILDING CODE REQUIREMENTS FOR MASONRY STRUCTURES" (ACI 530-88)
 - LOADS**
 - A. ROOF LIVE LOAD 30 PSF
 - B. GROUND SNOW LOAD 20 PSF
 - C. WIND LOAD V30-70 MPH ZONE 0
 - D. SEISMIC
 - CAST-IN-PLACE CONCRETE**
 - 1. **MATERIALS**
 - A. CONCRETE - 28 DAY STRENGTH F'C = 3000 PSI (EXCEPT FLOOR SLABS-ON-GRADE)
 - B. CONCRETE - 28 DAY STRENGTH (SLABS-ON-GRADE) F'C = 4000 PSI
 - STRUCTURAL STEEL**
 - 1. **MATERIALS**
 - A. STRUCTURAL STEEL AND PLATE ASTM A-36
 - B. ANCHOR BOLTS ASTM A-307
 - C. HIGH STRENGTH BOLTS ASTM A-325
 - 2. SHOP AND FIELD CONNECTIONS SHALL BE 3/4" HIGH STRENGTH BOLTS OR WELDS OF EQUAL STRENGTH. (2 BOLTS MINIMUM)
 - 3. CONNECTIONS NOT INDICATED SHALL BE DESIGNED BY THE FABRICATOR.
 - STEEL JOISTS**
 - 1. STEEL JOIST CONSTRUCTION SHALL CONFORM TO "STANDARD SPECIFICATIONS, LOAD TABLES AND WEIGHT TABLES FOR STEEL JOISTS AND JOIST BRIDGES, SJI, 1988 EDITION.
 - 2. JOIST DESIGNATIONS GIVEN SHALL BE VERIFIED BY THE JOIST MANUFACTURER BASED ON LOADS INDICATED ON THE PROJECT DRAWINGS.
 - METAL DECK**
 - 1. **MATERIALS**
 - A. ROOF DECK SHALL BE 1-g, 22 GAGE, GALV. STEEL DECK. MINIMUM PROPERTIES SHALL BE: 1, - 0.127 IN., S, - 0.129 IN., S, - 0.140 IN.
 - B. FLOOR DECK SHALL BE 9/16", 28 GAGE, GALV. STEEL DECK; MINIMUM PROPERTIES SHALL BE: 1, - 0.012 IN., S, - 0.036 IN., S, - 0.039 IN.
 - 2. METAL DECK CONSTRUCTION SHALL CONFORM TO "STEEL ROOF DECK SPECIFICATIONS" - STEEL DECK INSTITUTE, 1981 EDITION AND WITH THE MANUFACTURER'S SPECIFICATIONS.
 - MISCELLANEOUS**
 - 1. DIMENSIONS OF EQUIPMENT OPENINGS, SUPPORTS AND FOUNDATIONS HAVE BEEN DETERMINED USING A SPECIFIC MANUFACTURER'S EQUIPMENT. FINAL DIMENSIONS SHALL BE VERIFIED WITH THE ACTUAL MANUFACTURER AND EQUIPMENT INSTALLED. DIMENSIONS SHALL BE CHANGED WITH THE APPROVAL OF THE ENGINEER.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James P. ...
DIRECTOR OF PUBLIC WORKS DATE

Robert ...
CHIEF BUREAU OF ENGINEERING DATE

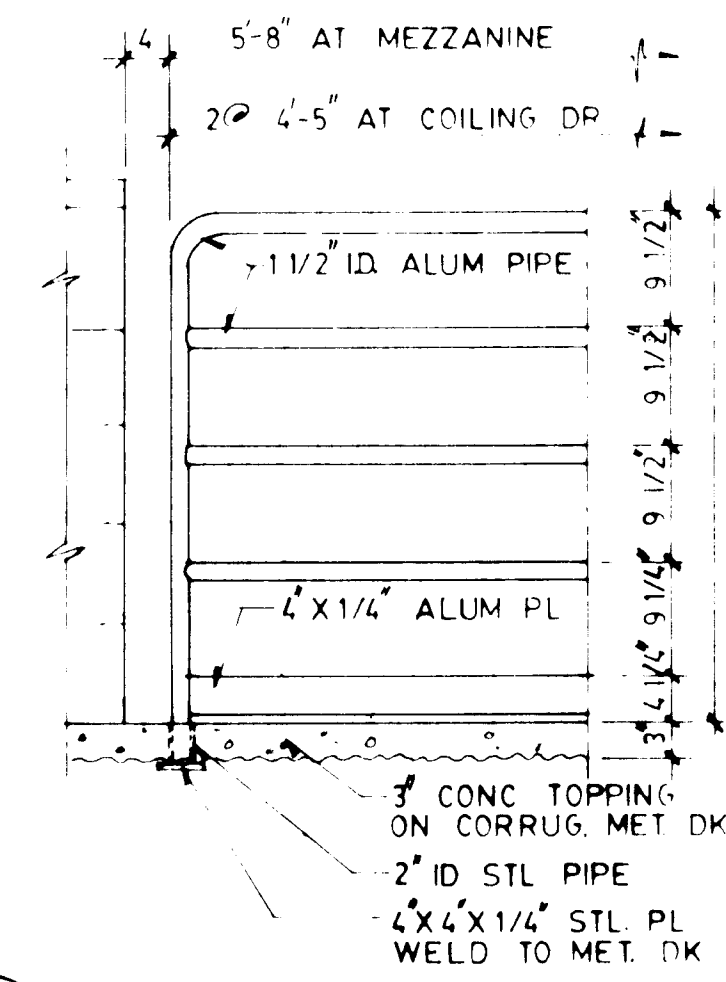
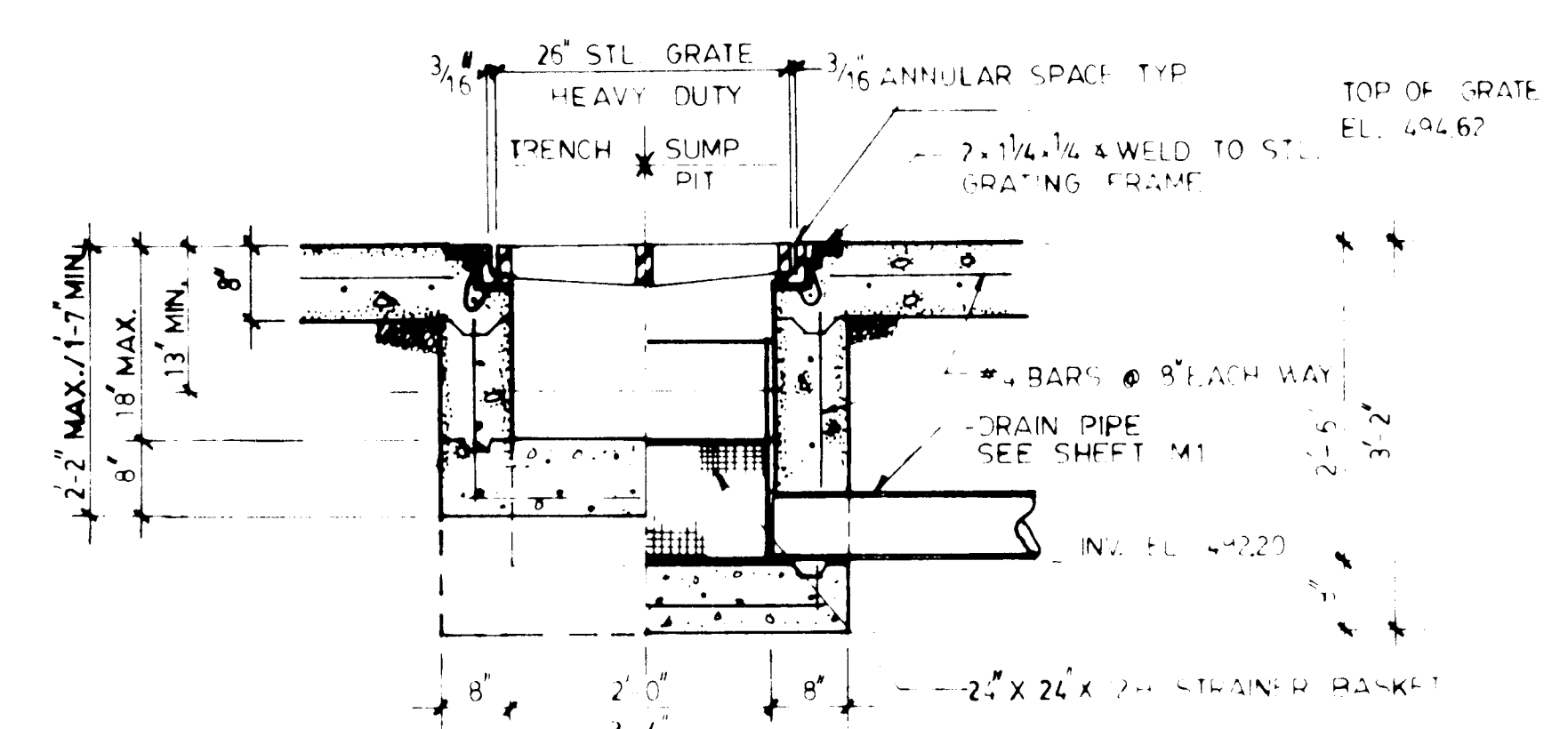
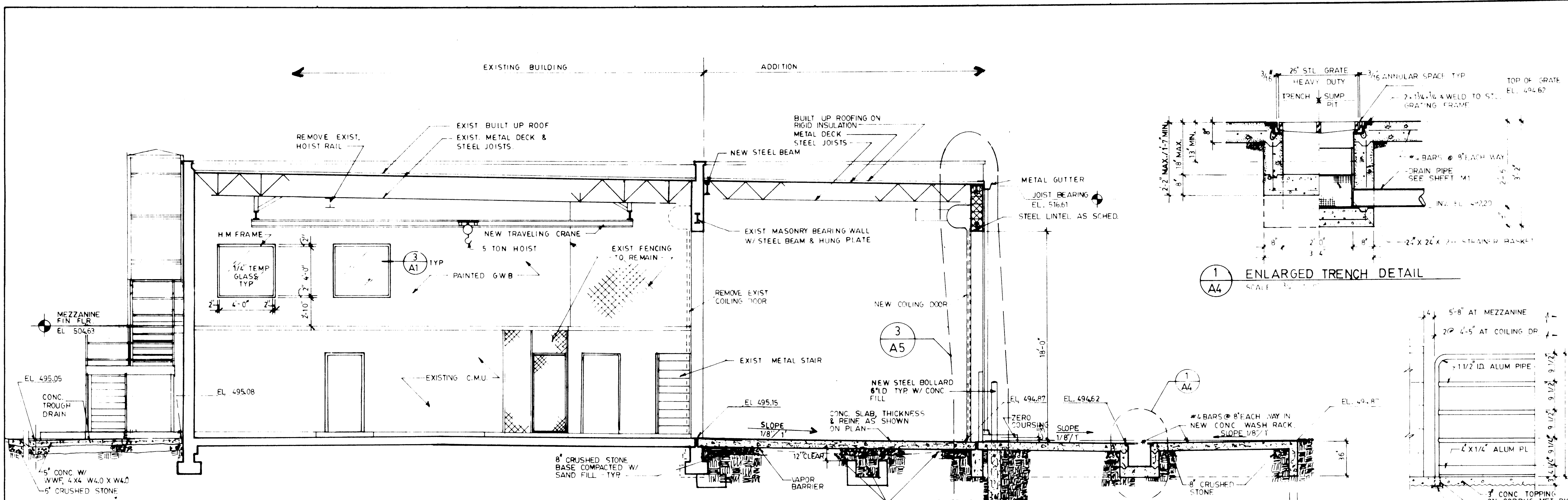
acer
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270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel 717-569-7021

DES. R.L.L.					
DRN. D.J.R. & D.A.C.					
CHK. R.L.L.					
DATE: 6/10/94	BY	NO	REVISION	DATE	600 SCALE MAP NO BLOCK NO

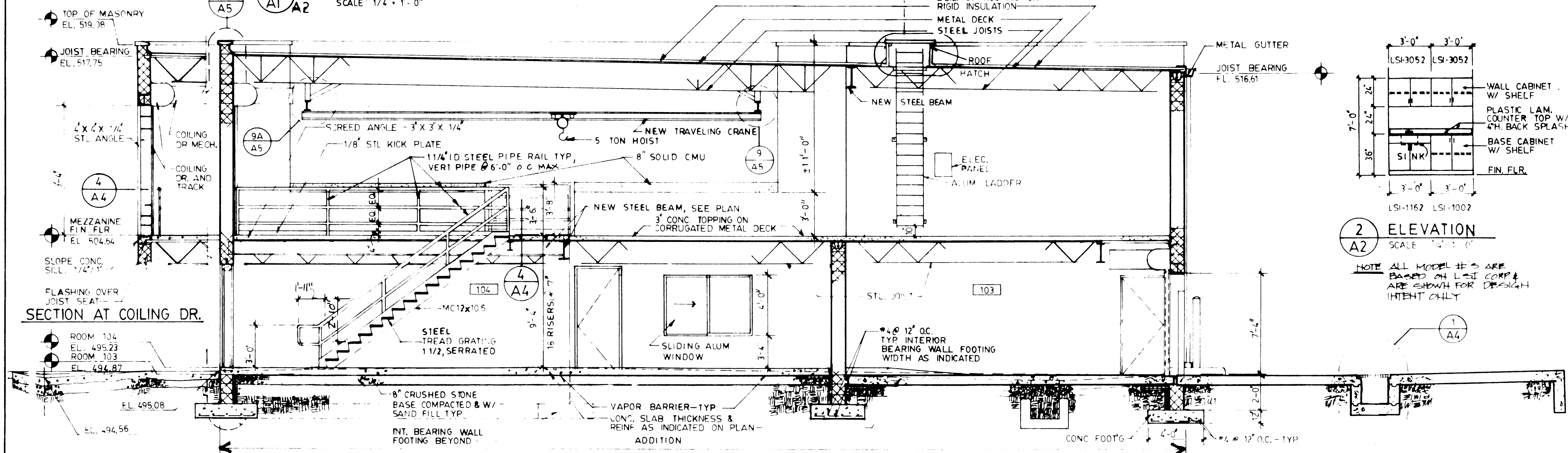
ELEVATIONS

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: C0190 D
HOWARD COUNTY, MARYLAND

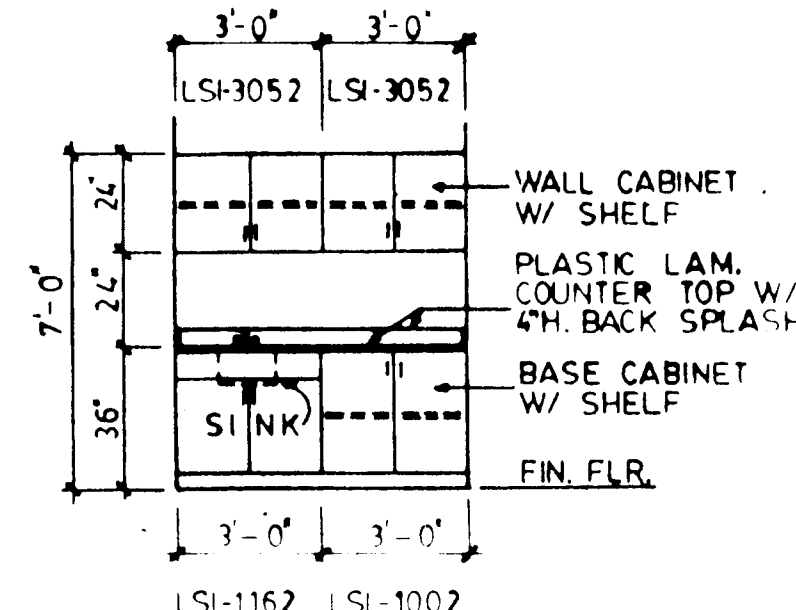
SCALE AS SHOWN
A3
7 - 15



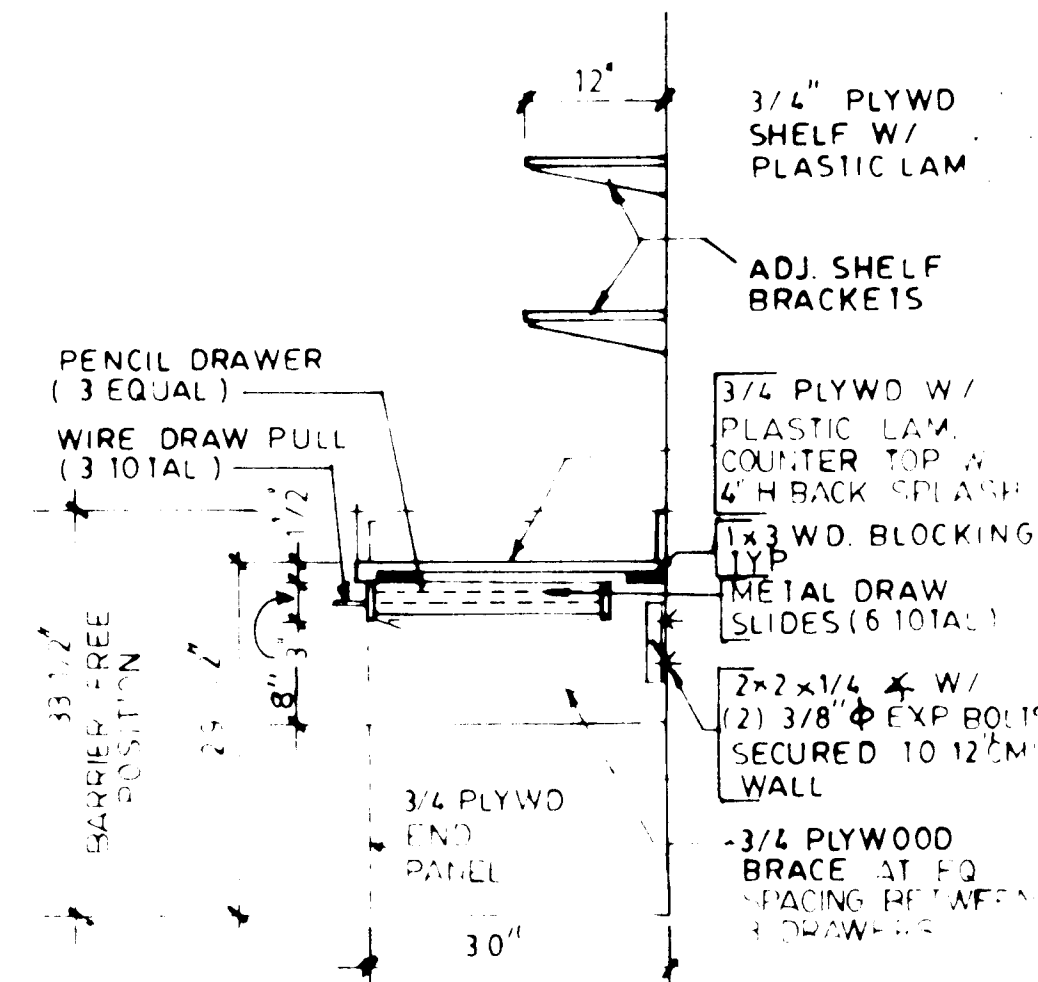
SECTION A-A THRU EXISTING & NEW BUILDING
 SCALE: 1/4" = 1'-0"



SECTION B-B THRU ADDITION
 SCALE: 1/4" = 1'-0"



2 ELEVATION
 SCALE: 1/4" = 1'-0"



3 SECTION
 SCALE: 1/4" = 1'-0"

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: [Signature]
 Date: 6/19/94
 Chief, Bureau of Engineering: [Signature]
 Date: 6/19/94

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 270 Granite Run Drive
 Lancaster, Pennsylvania 17601
 Tel 717-569-7021

DES: R.L.L.					
DRN: D.J.R.					
CHK: R.L.L.					
DATE 6/10/94	BY	NO	REVISION	DATE	600' SCALE MAP NO

SECTIONS

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
 capital project: C0190 D
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
A4
 6/19/94

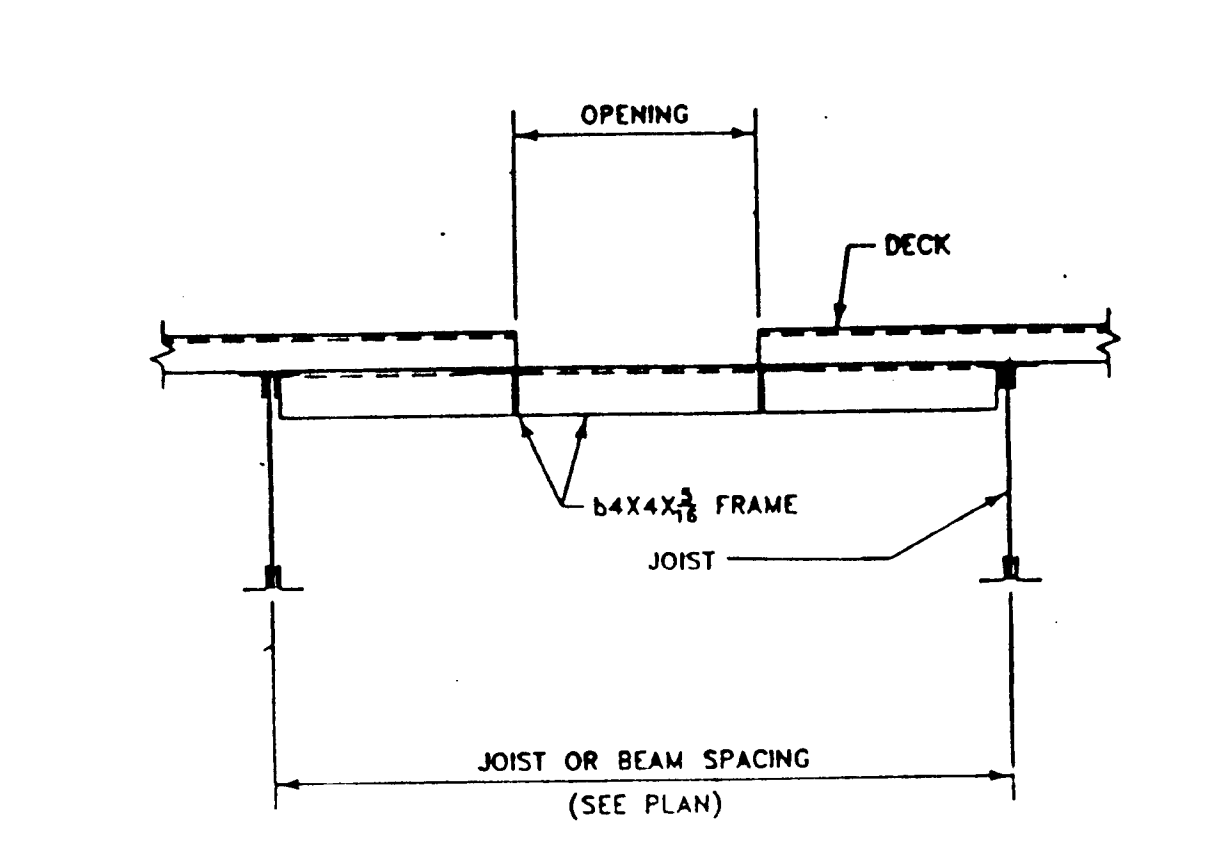
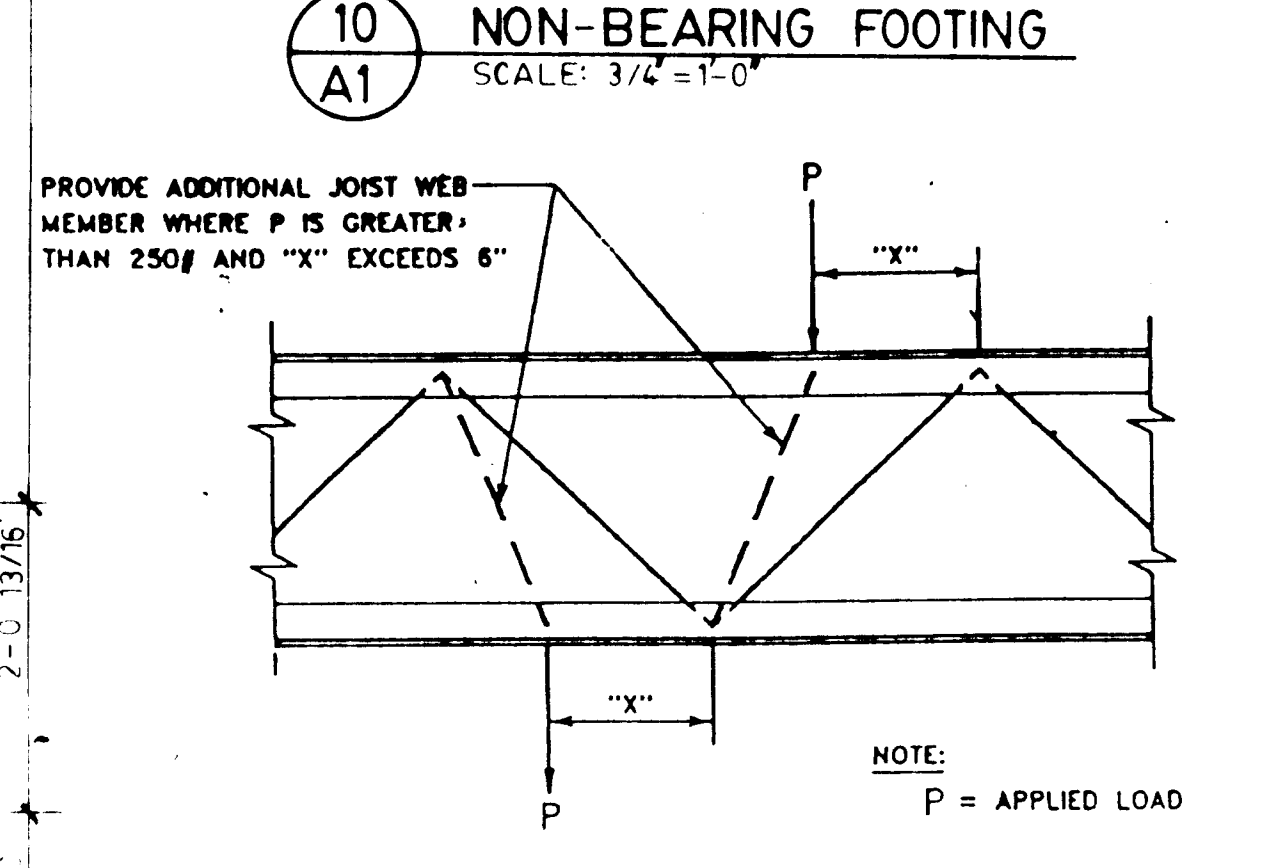
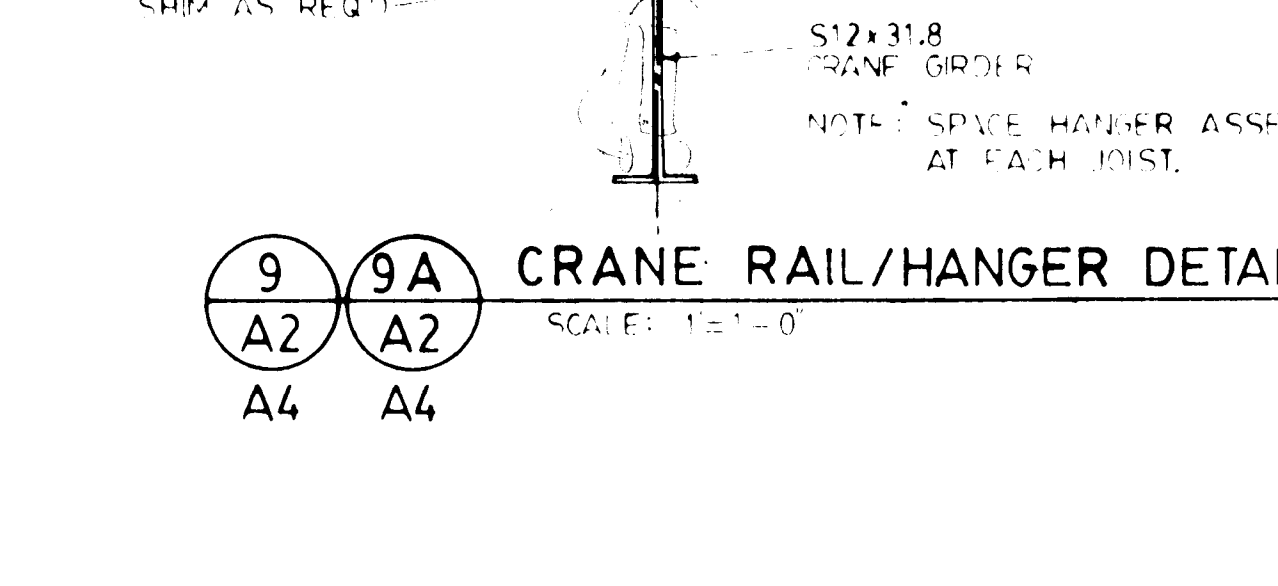
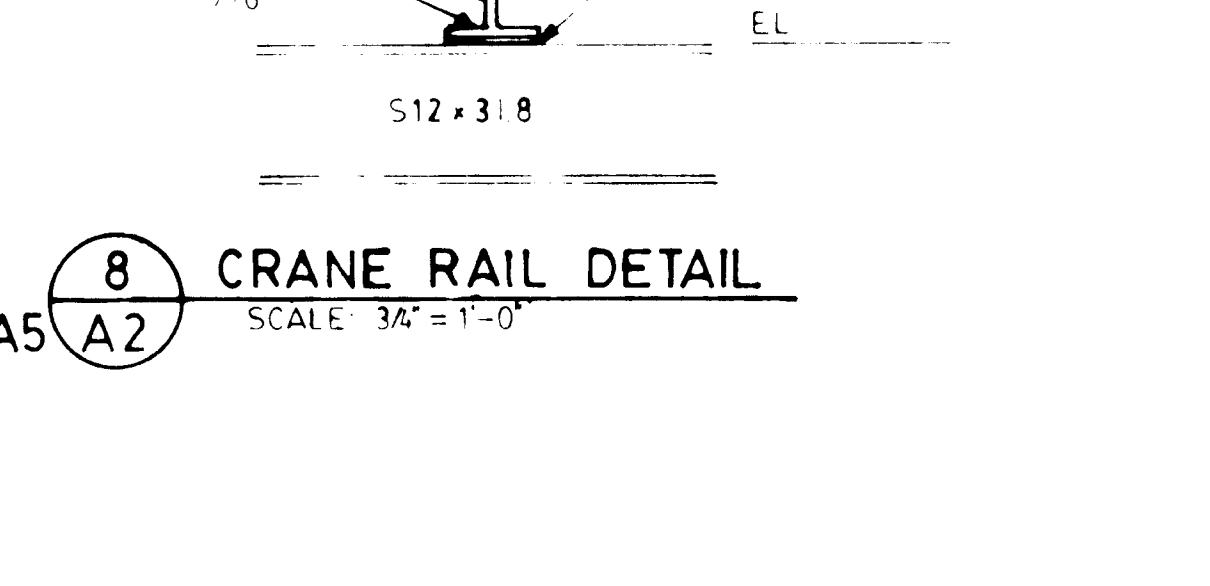
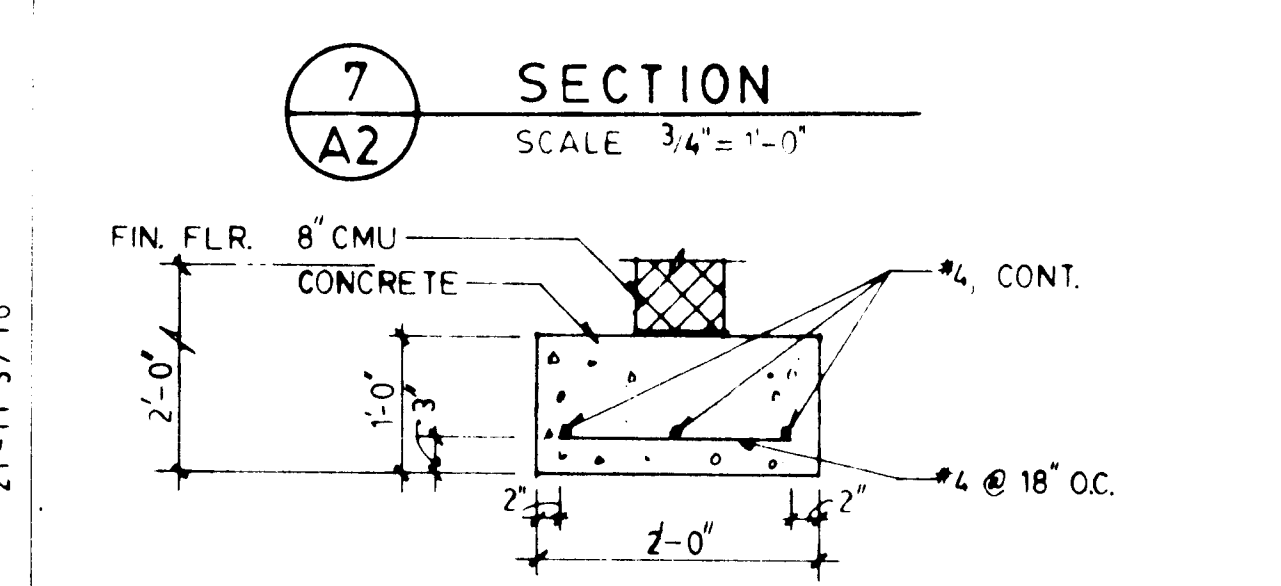
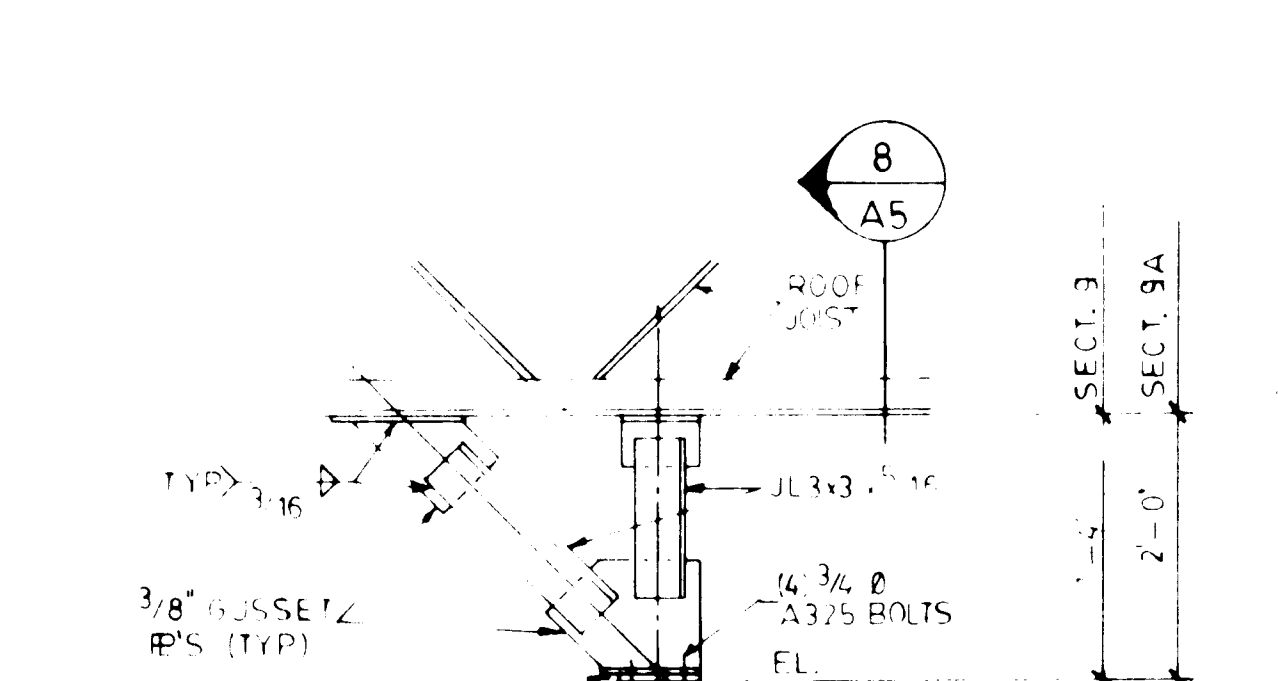
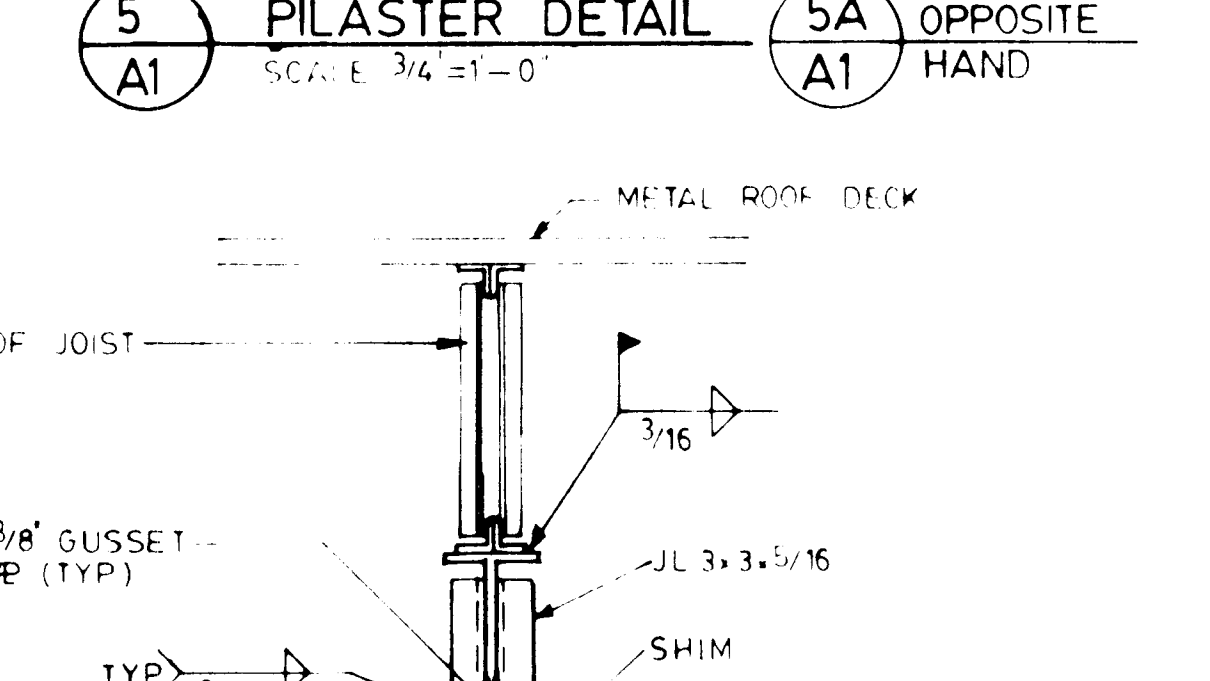
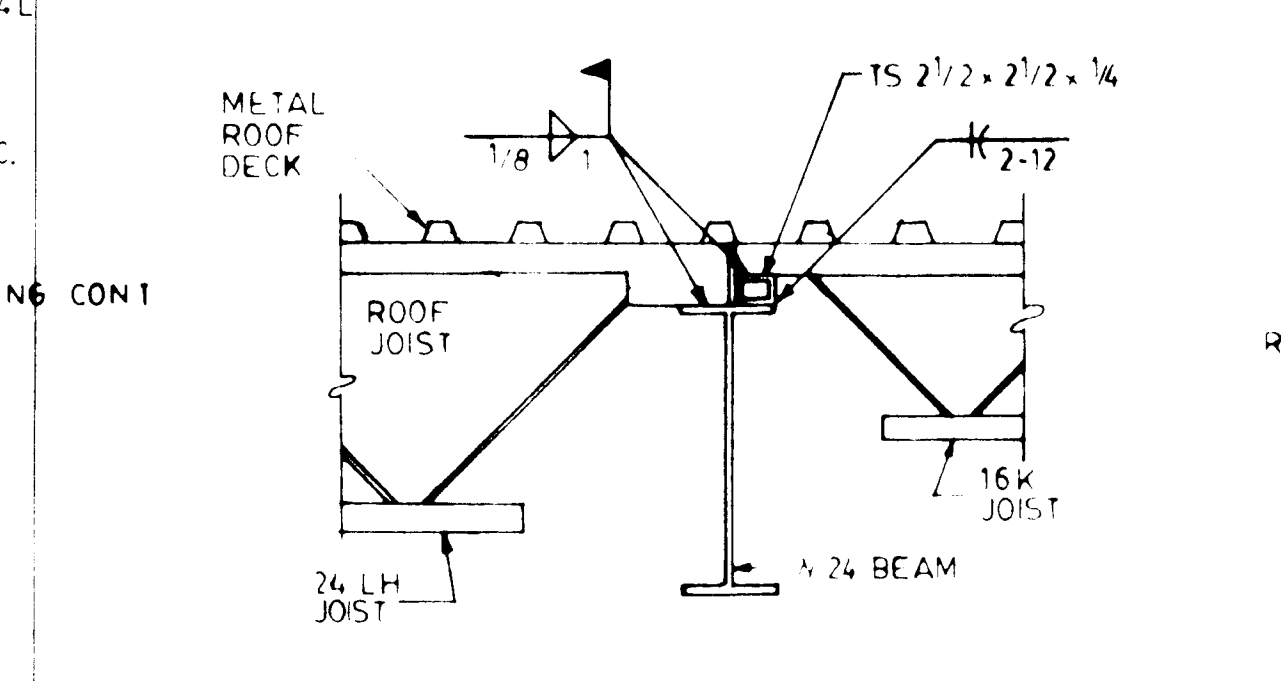
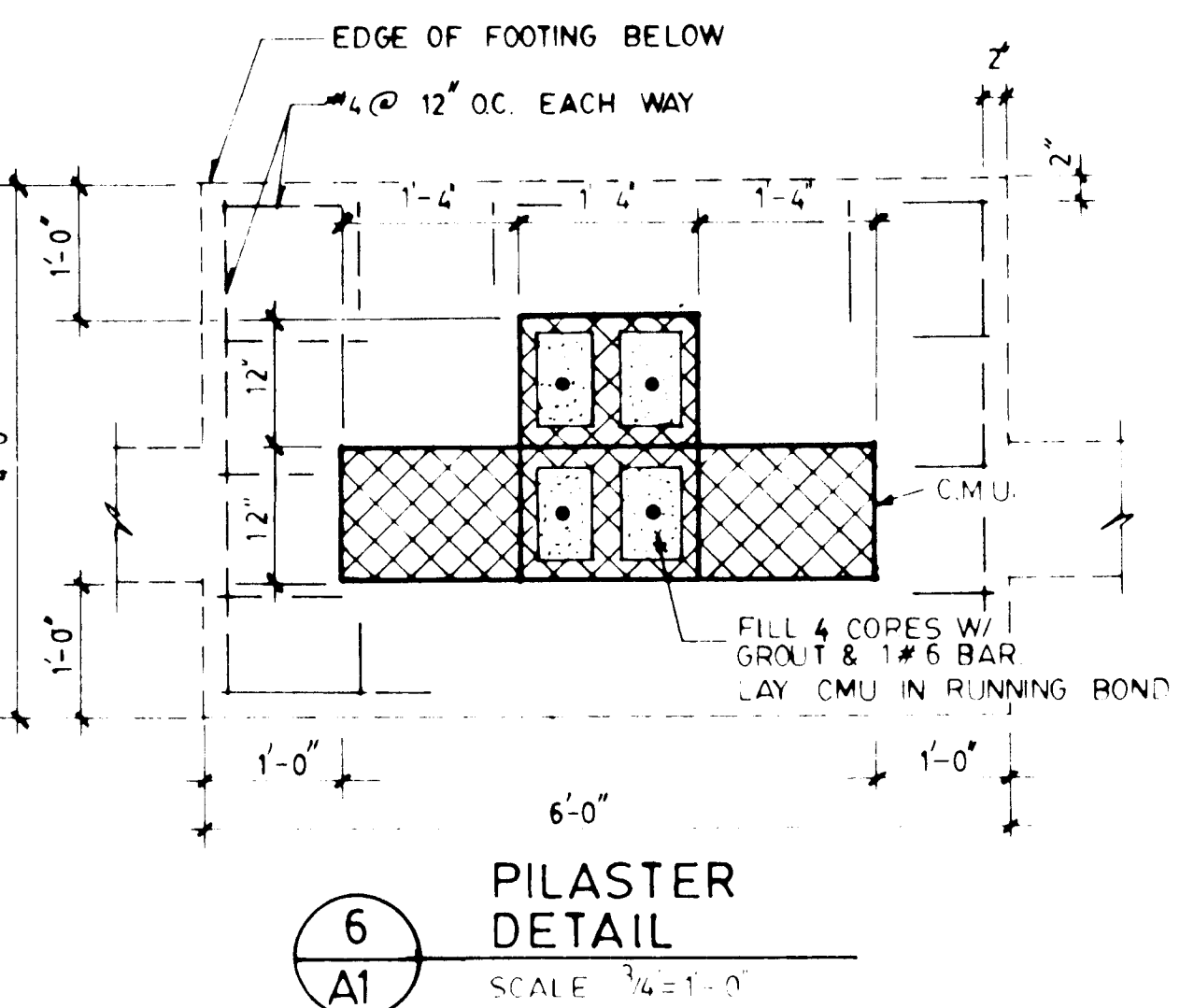
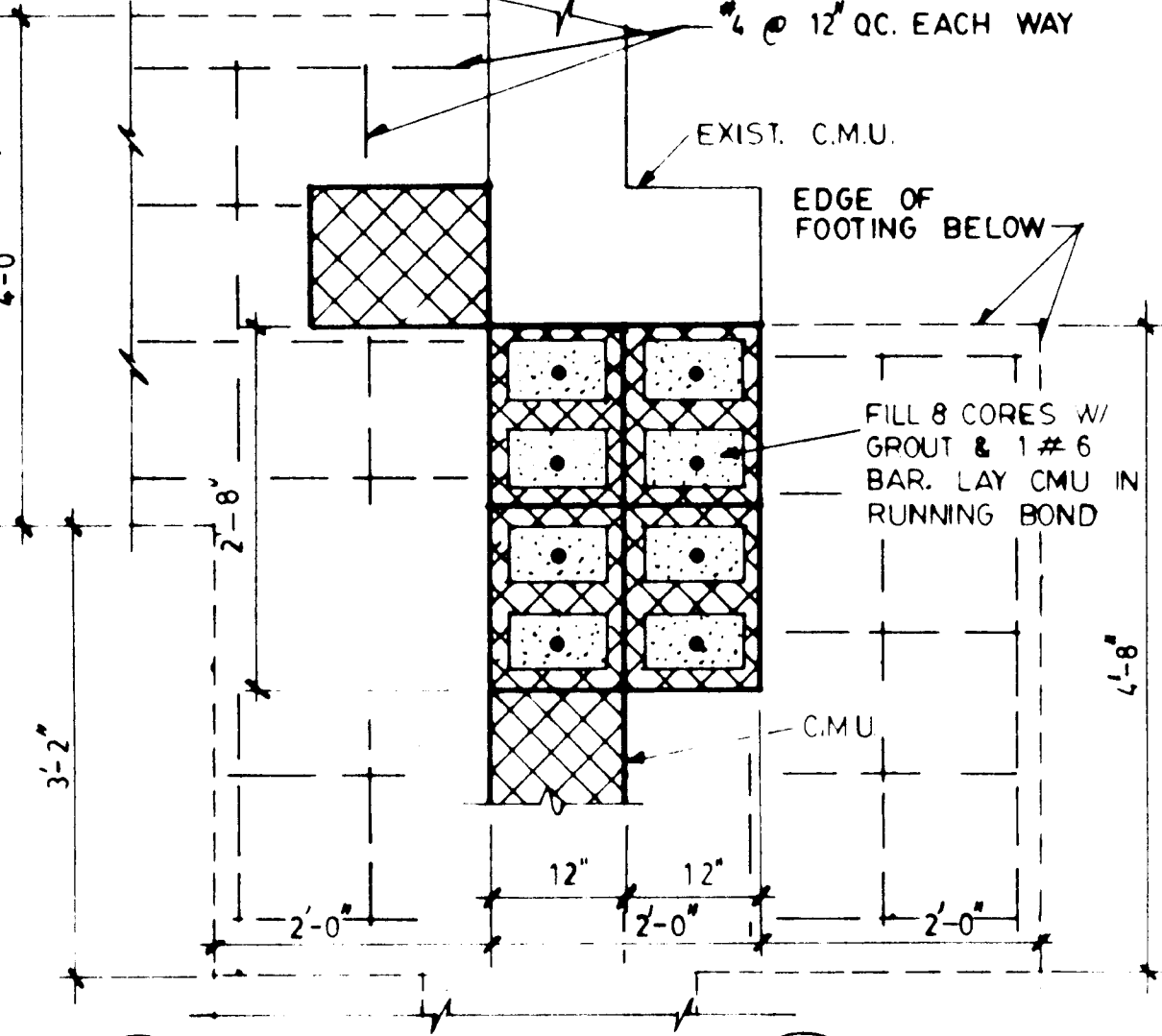
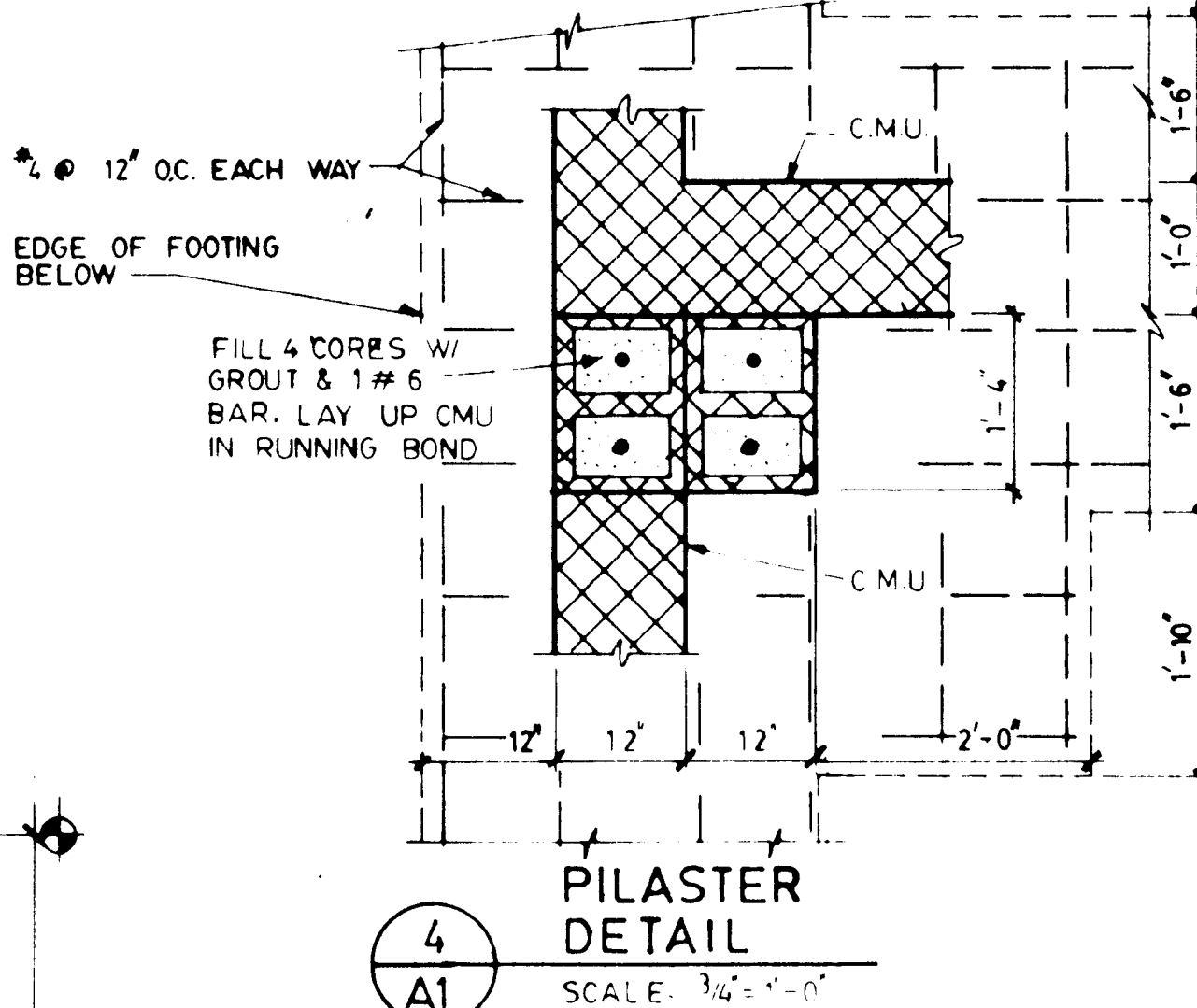
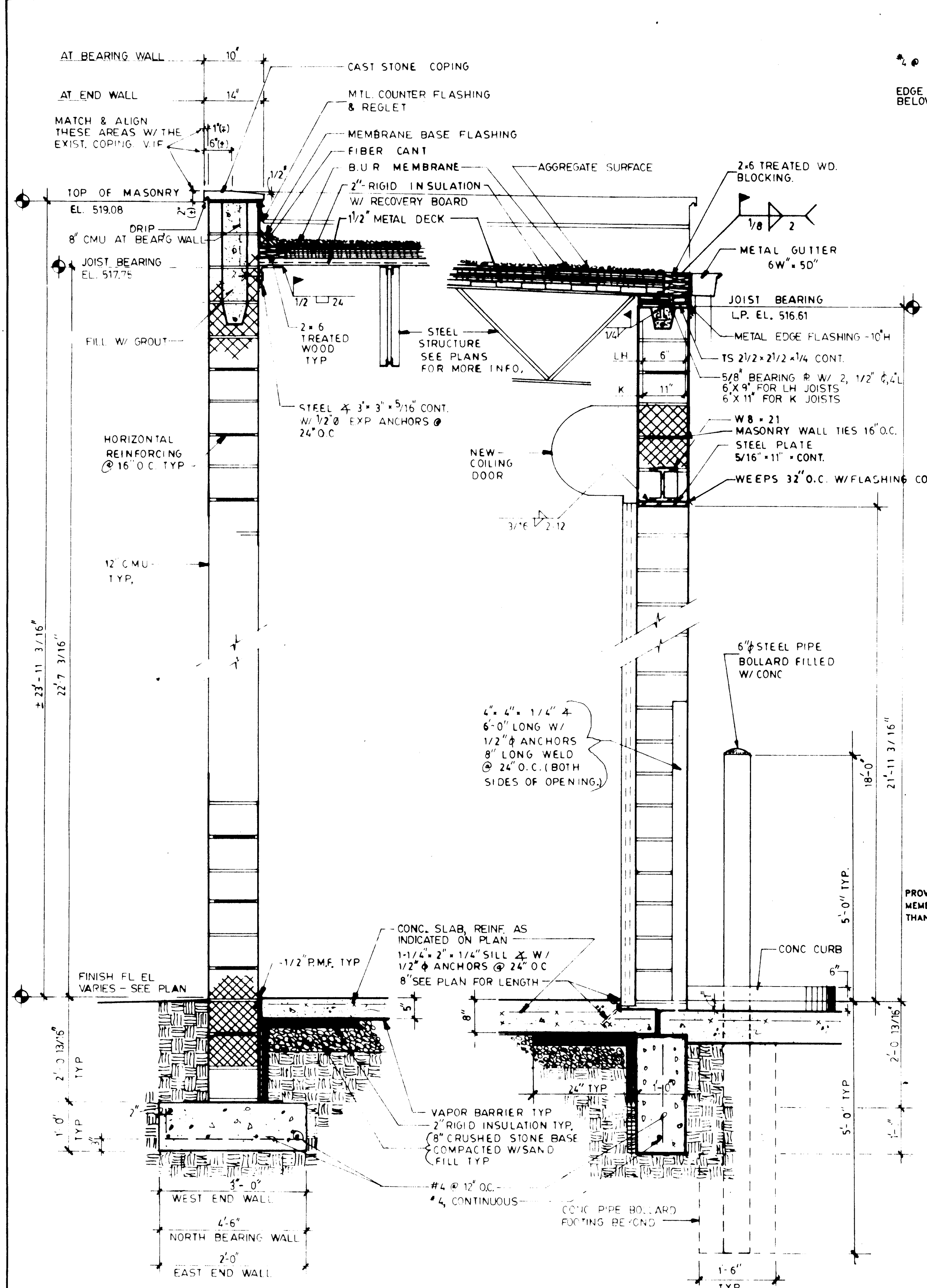


PLATE MARK	t	B	N	t = THICKNESS	B = WIDTH	N = BEARING LENGTH
BP1	3/8"	6"	4"			
BP2	7/8"	10"	9"			
BP3	7/8"	7-1/2"	12"			
BP4	5/8"	8"	8"			
BP5	7/8"	10"	14"			

NOTES: 1. LOCATIONS SHOWN ON SHEET 4 of 10
 2. BUILD CMU TIGHT AROUND BEAM WEB. GROUT TIGHT.

1 TYP. WALL SECTION SCALE: 3/4" = 1'-0"
 2 OR 1 A1
 3 TYP. SECTION @ OVERHEAD DOORS SCALE: 3/4" = 1'-0"
 4 A4

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 DATE 6/14/94
 CHIEF, BUREAU OF ENGINEERING

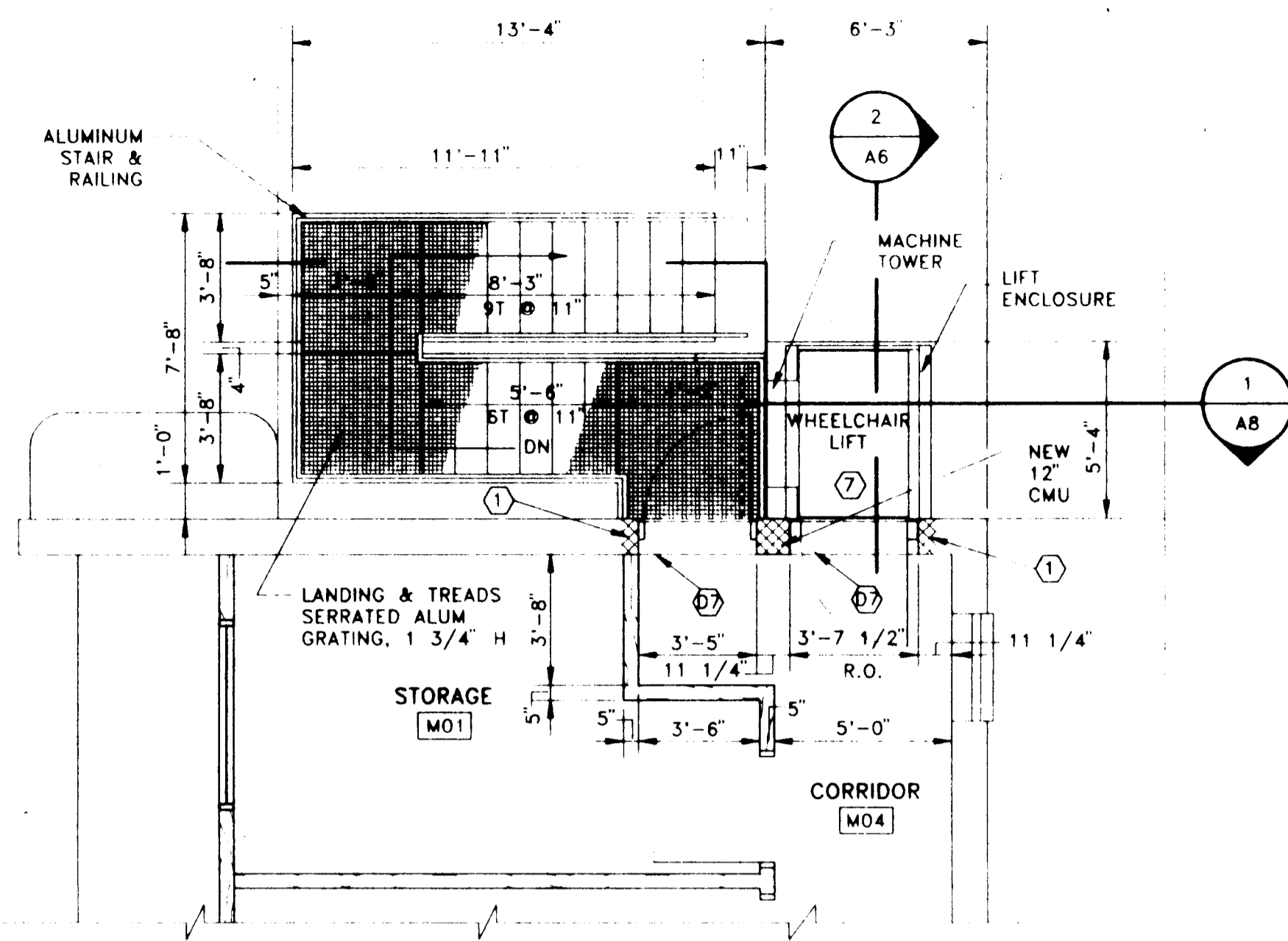
acer
 Acer Engineers & Consultants, Inc.
 270 Granite Run Drive
 Lancaster, Pennsylvania 17601
 Tel 717-569-7021

DES: R.L.L.					
DRN: D.J.R. & D.A.C.					
CHK: R.L.L.					
DATE: 6/10/94	BY	NO.	REVISION	DATE	600 SCALE MAP NO. BLOCK NO.

WALL SECTIONS AND DETAILS

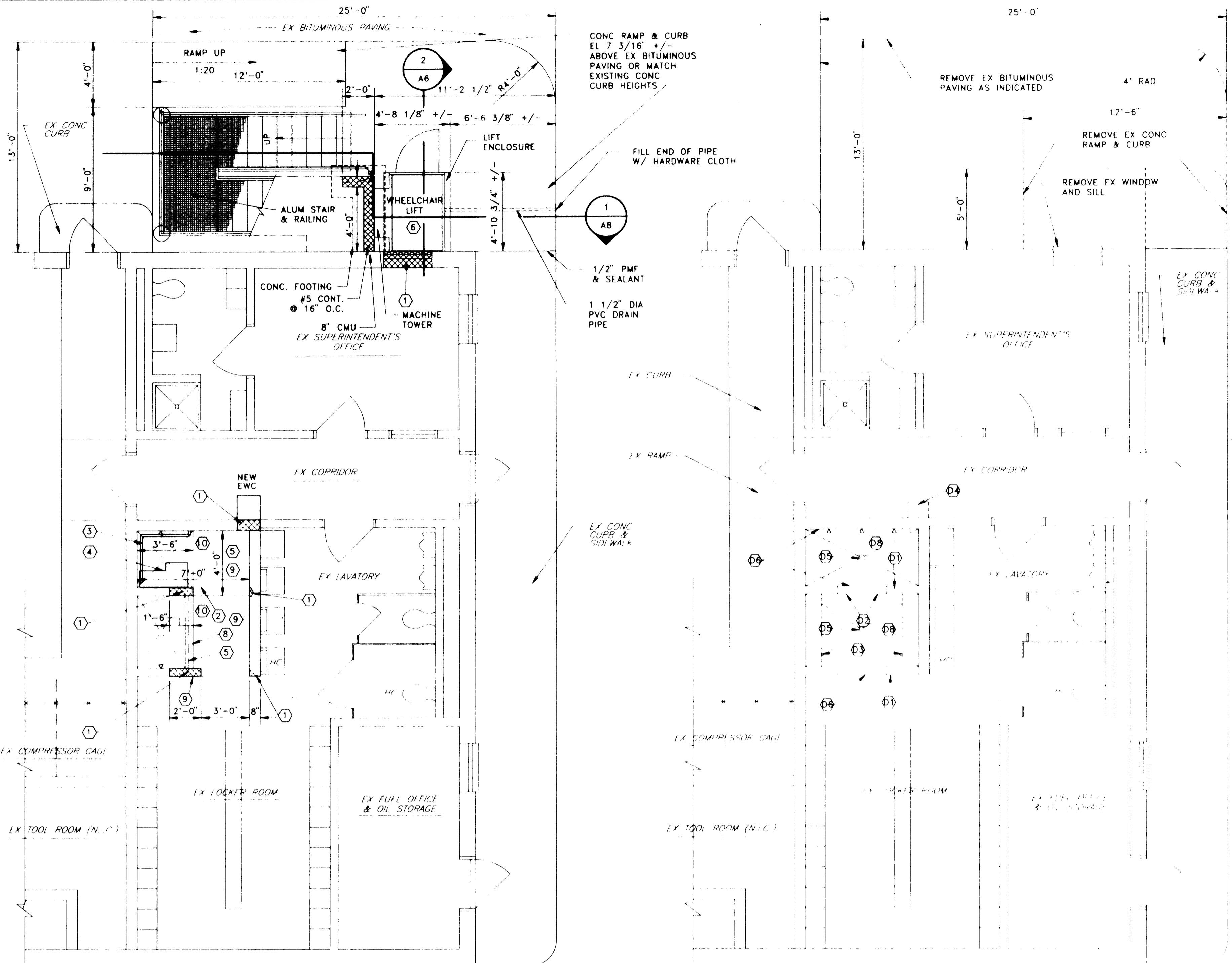
ALPHA RIDGE LANDFILL
 MAINTENANCE FACILITY
 capital project: C0190 D
 HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
 A5
 9 OF 15



SECOND FLOOR
NEW WORK PLAN

1/4" = 1'-0"

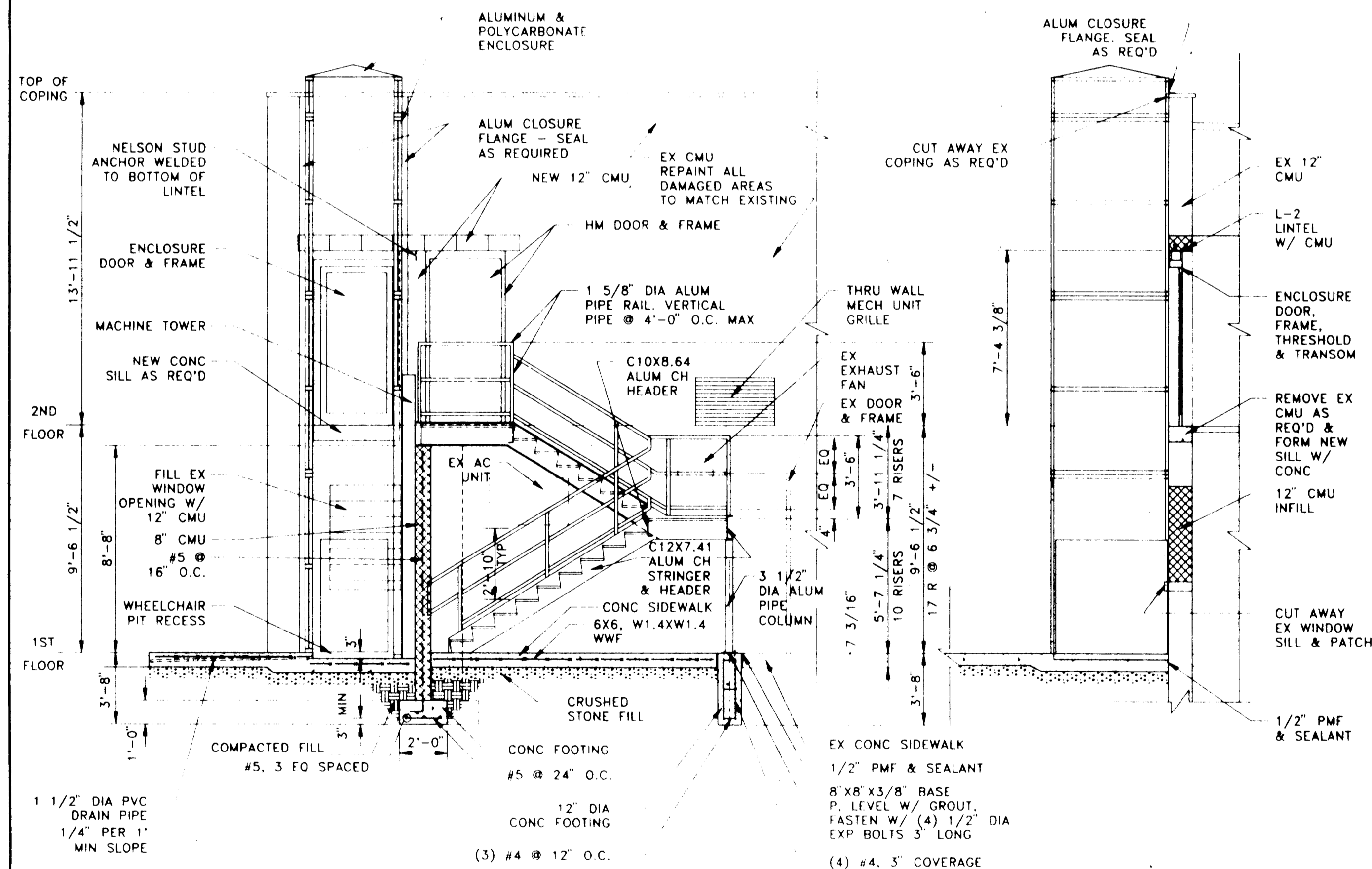


FIRST FLOOR
NEW WORK PLAN

1/4" = 1'-0"

DEMOLITION PLAN

1/4" = 1'-0"



SECOND FLOOR
NEW WORK PLAN

1/4" = 1'-0"

SECOND FLOOR
NEW WORK PLAN

1/4" = 1'-0"

RECONSTRUCTION NOTES

1. PROVIDE CMU AS INDICATED. PATCH AS REQUIRED.
2. REPLACE 5" THICK CONCRETE SLAB AND SLOPE TO NEW DRAIN AS INDICATED. REINFORCE WITH 6X6 W1.4XW1.4 WELDED WIRE FABRIC. CAULK EDGES ALL AROUND WITH FLEXIBLE EPOXY SEALANT.
3. HANDICAPPED GRAB BAR.
4. FOLDING SHOWER SEAT.
5. SHOWER ROD.
6. WHEELCHAIR LIFT PIT - APPROXIMATELY 4'-3" WIDE X 4'-9 3/4" LONG. VERIFY DIMENSIONS AND LOCATION WITH WHEELCHAIR LIFT INSTALLER.
7. DOOR TO BE PROVIDED AS PART OF THE WHEELCHAIR LIFT ENCLOSURE. ROUGH OPENING IS APPROXIMATELY 3'-7 1/2" WIDE BY 7' HIGH. VERIFY ALL ROUGH OPENING DIMENSIONS WITH WHEELCHAIR LIFT INSTALLER.
8. CONCRETE CURB - 6" W X 6" H. REINFORCE WITH VERTICAL #4 BARS SPACED AT 12" O.C.
9. PAINT NEW AND REPAINT EXISTING SURFACES WITH HARD GLAZED EPOXY PAINT.
10. REGLAZE CEILING WITH 1/2" MOISTURE RESISTANT GWB. PAINT WITH HARD GLAZED EPOXY PAINT.

DEMOLITION NOTES

- D1. REMOVE MASONRY WALL AS INDICATED.
- D2. REMOVE CONCRETE CURB.
- D3. REMOVE BENCHES AS INDICATED.
- D4. REMOVE ELECTRIC WATER COOLER. SEE MECHANICAL DRAWINGS FOR MORE DETAILED INFORMATION.
- D5. EXISTING DRAIN TO BE CAPPED AND ABANDONED. SEE MECHANICAL DRAWINGS FOR MORE DETAILED INFORMATION.
- D6. REMOVE CONCRETE FLOOR SLAB IN EXISTING SHOWER STALL.
- D7. REMOVE MASONRY WALL AS INDICATED. PROVIDE TEMPORARY SHORING AND BRACING AS REQUIRED.
- D8. REMOVE GWB CEILING.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

acer
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270 Granite Run Drive
Parsippany, Pennsylvania 17601
Tel: 717-569-7021

DES:	RL				
DRN:	CADD				
CHK:	NWM				
DATE:	6/10/94	BY:	NO.	REVISION	DATE

TOILET ROOM AND
WHEEL CHAIR LIFT
PLANS AND DETAILS

**ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY**
capital project C0190D
HOWARD COUNTY, MARYLAND

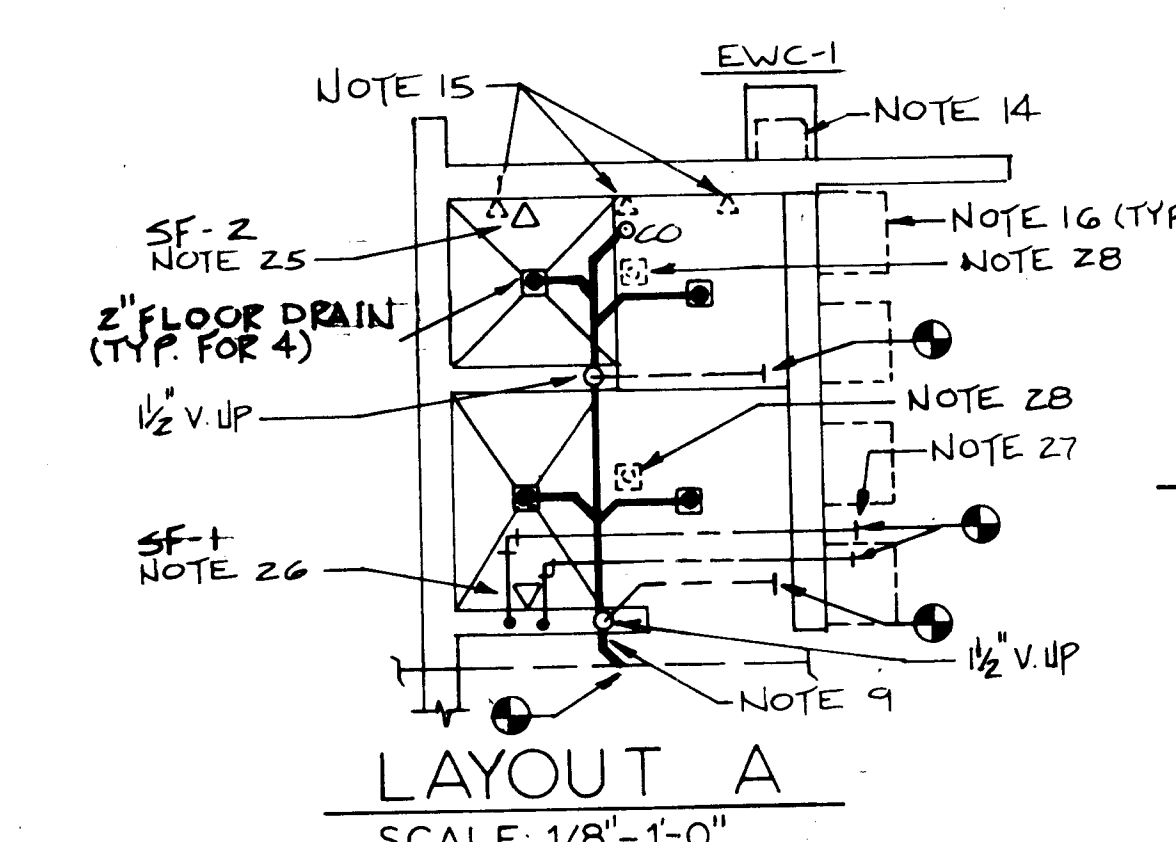
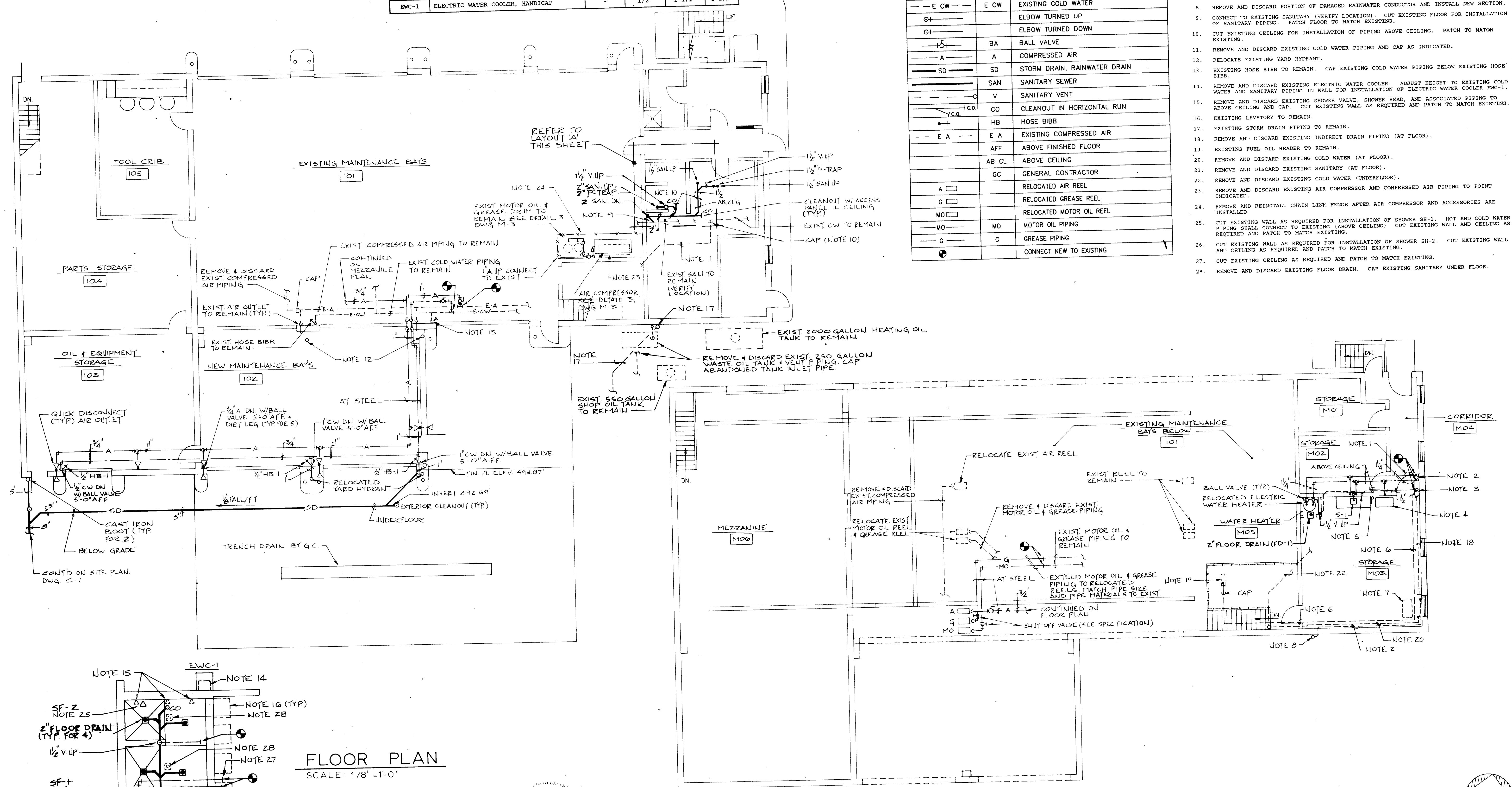
SCALE
AS
SHOWN
A-6
10 OF

NOTE:
RE-SIZING OF EXISTING COMPRESSED AIR PIPING SHALL BE COMPLETED BY OWNER

PLUMBING FIXTURE SCHEDULE					
SYMBOL	DESCRIPTION	HW	CW	DRAIN	VENT
S-1	SINK, STAINLESS STEEL, SINGLE BOWL	1/2"	1/2"	1-1/2"	1-1/2"
SH-1	SHOWER, HANDICAP, PRESSURE BALANCING	1/2"	1/2"	-	-
SH-2	SHOWER, PRESSURE BALANCING	1/2"	1/2"	-	-
EW-1	ELECTRIC WATER COOLER, HANDICAP	-	1/2"	1-1/2"	1-1/2"

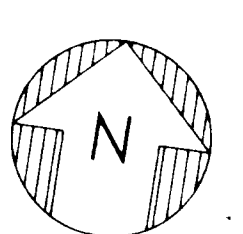
PLUMBING SYMBOL & ABBREVIATION SCHEDULE		
SYMBOL	ABBREV	DESCRIPTION
---	HW	HOT WATER
---	CW	COLD WATER
--- E CW ---	E CW	EXISTING COLD WATER
⊕		ELBOW TURNED UP
⊖		ELBOW TURNED DOWN
⊙	BA	BALL VALVE
A	A	COMPRESSED AIR
SD	SD	STORM DRAIN, RAINWATER DRAIN
---	SAN	SANITARY SEWER
---	V	SANITARY VENT
---	CO	CLEANOUT IN HORIZONTAL RUN
---	HB	HOSE BIBB
---	E A	EXISTING COMPRESSED AIR
---	AFF	ABOVE FINISHED FLOOR
---	AB CL	ABOVE CEILING
A		RELOCATED AIR REEL
G		RELOCATED GREASE REEL
MO		RELOCATED MOTOR OIL REEL
---	MO	MOTOR OIL PIPING
---	G	GREASE PIPING
⊙		CONNECT NEW TO EXISTING

- PLUMBING NOTES:
1. RELOCATE EXISTING ELECTRIC WATER HEATER.
 2. EXISTING HOT WATER AND COLD WATER RISERS TO REMAIN.
 3. EXISTING VENT RISER AND VENT THRU ROOF TO REMAIN.
 4. RELOCATED ICE MACHINE. ROUGH-IN AND CONNECT 1/2" CW AND 1-1/2" SANITARY. TERMINATE 1-1/2" CONDENSATE DRAIN 3" ABOVE 1-1/2" SANITARY.
 5. 1-1/2" SANITARY DRAIN. TERMINATE 1-1/2" SANITARY 3" ABOVE FINISHED FLOOR.
 6. REMOVE AND DISCARD EXISTING FUEL OIL PIPING.
 7. RELOCATE EXISTING ICE MACHINE. REMOVE AND DISCARD ASSOCIATED PIPING.
 8. REMOVE AND DISCARD PORTION OF DAMAGED RAINWATER CONDUCTOR AND INSTALL NEW SECTION.
 9. CONNECT TO EXISTING SANITARY (VERIFY LOCATION). CUT EXISTING FLOOR FOR INSTALLATION OF SANITARY PIPING. PATCH FLOOR TO MATCH EXISTING.
 10. CUT EXISTING CEILING FOR INSTALLATION OF PIPING ABOVE CEILING. PATCH TO MATCH EXISTING.
 11. REMOVE AND DISCARD EXISTING COLD WATER PIPING AND CAP AS INDICATED.
 12. RELOCATE EXISTING YARD HYDRANT.
 13. EXISTING HOSE BIBB TO REMAIN. CAP EXISTING COLD WATER PIPING BELOW EXISTING HOSE BIBB.
 14. REMOVE AND DISCARD EXISTING ELECTRIC WATER COOLER. ADJUST HEIGHT TO EXISTING COLD WATER AND SANITARY PIPING IN WALL FOR INSTALLATION OF ELECTRIC WATER COOLER EWC-1.
 15. REMOVE AND DISCARD EXISTING SHOWER VALVE, SHOWER HEAD, AND ASSOCIATED PIPING TO ABOVE CEILING AND CAP. CUT EXISTING WALL AS REQUIRED AND PATCH TO MATCH EXISTING.
 16. EXISTING LAVATORY TO REMAIN.
 17. EXISTING STORM DRAIN PIPING TO REMAIN.
 18. REMOVE AND DISCARD EXISTING INDIRECT DRAIN PIPING (AT FLOOR).
 19. EXISTING FUEL OIL HEADER TO REMAIN.
 20. REMOVE AND DISCARD EXISTING COLD WATER (AT FLOOR).
 21. REMOVE AND DISCARD EXISTING SANITARY (AT FLOOR).
 22. REMOVE AND DISCARD EXISTING COLD WATER (UNDERFLOOR).
 23. REMOVE AND DISCARD EXISTING AIR COMPRESSOR AND COMPRESSED AIR PIPING TO POINT INDICATED.
 24. REMOVE AND REINSTALL CHAIN LINK FENCE AFTER AIR COMPRESSOR AND ACCESSORIES ARE INSTALLED.
 25. CUT EXISTING WALL AS REQUIRED FOR INSTALLATION OF SHOWER SH-1. HOT AND COLD WATER PIPING SHALL CONNECT TO EXISTING (ABOVE CEILING) CUT EXISTING WALL AND CEILING AS REQUIRED AND PATCH TO MATCH EXISTING.
 26. CUT EXISTING WALL AS REQUIRED FOR INSTALLATION OF SHOWER SH-2. CUT EXISTING WALL AND CEILING AS REQUIRED AND PATCH TO MATCH EXISTING.
 27. CUT EXISTING CEILING AS REQUIRED AND PATCH TO MATCH EXISTING.
 28. REMOVE AND DISCARD EXISTING FLOOR DRAIN. CAP EXISTING SANITARY UNDER FLOOR.



FLOOR PLAN
SCALE: 1/8" = 1'-0"

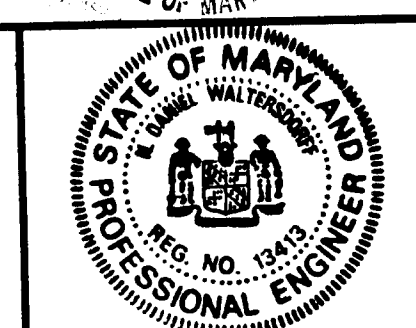
MEZZANINE PLAN
SCALE: 1/8" = 1'-0"



MAY 21 1994

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 6/10/94
CHIEF, BUREAU OF ENGINEERING

acer
Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel 717-569-7021

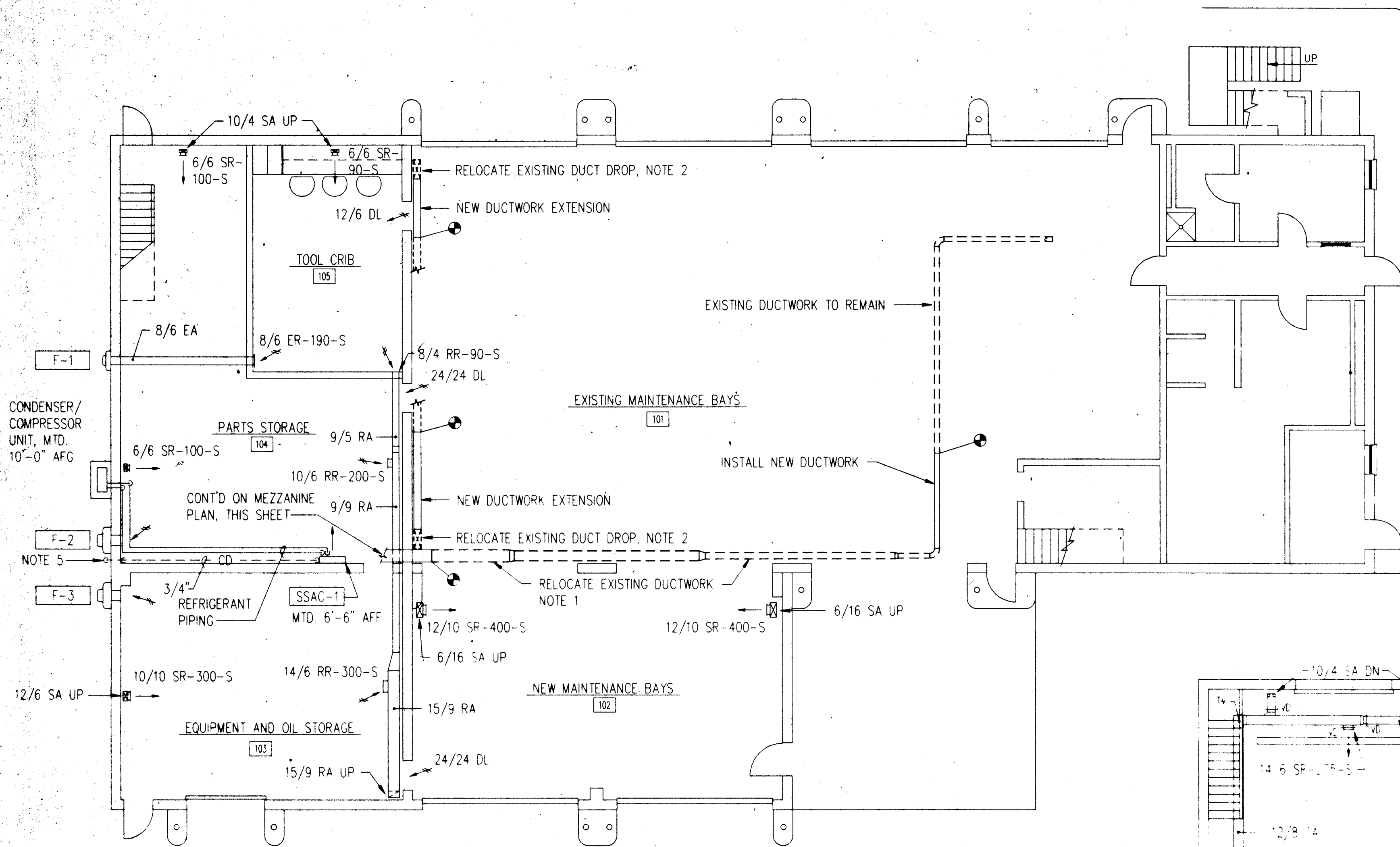


DES: BRS	BY: NC	REVISION	DATE: 6/10/94
DRN: BPS			
CHK: SRL			

FLOOR PLAN - PLUMBING
600' SCALE MAP NO. _____ BLOCK NO. _____

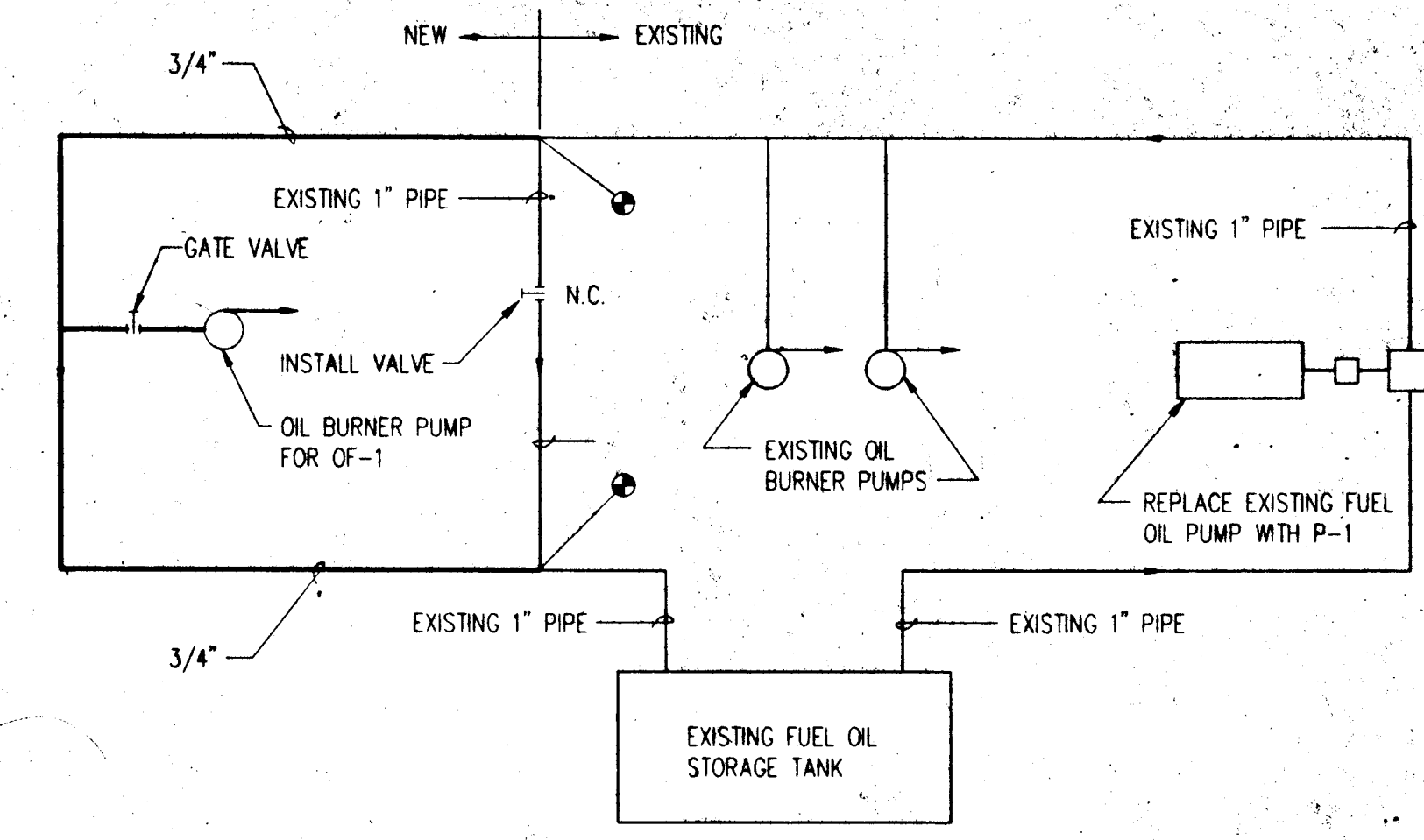
ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: 0190D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
M-1
11 OF 15

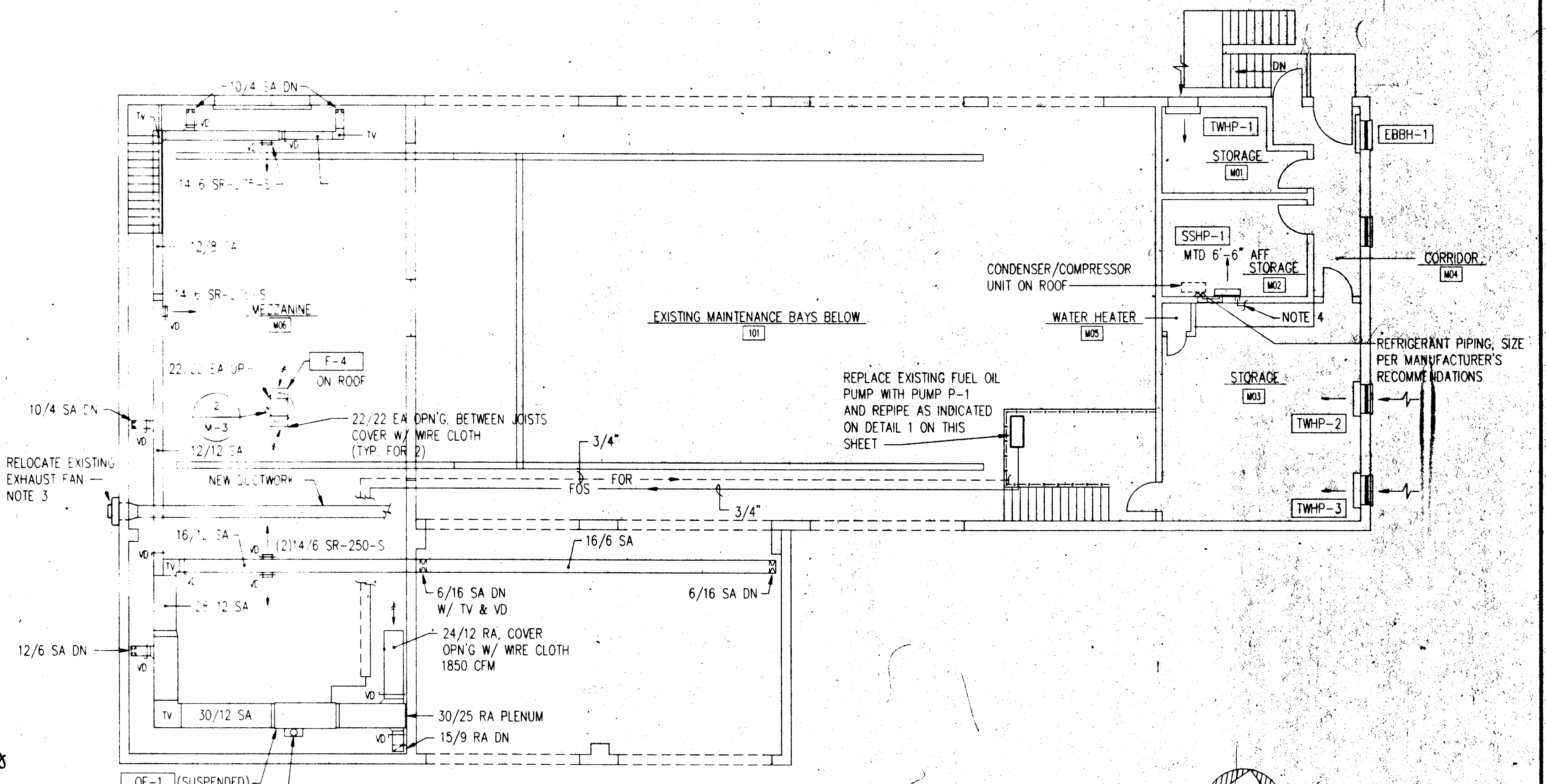


FLOOR PLAN - HVAC
SCALE: 1/8" = 1'-0"

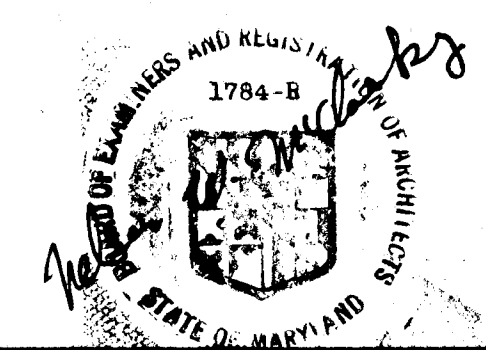
- HVAC NOTES:**
1. RELOCATE EXISTING CARBON MONOXIDE EXHAUST SYSTEM SO THAT IT WILL NOT INTERFERE WITH THE NEW OVERHEAD CRANE SYSTEM.
 2. RELOCATE EXISTING SUPPLY AIR DUCT DROPS SO THAT THEY WILL NOT INTERFERE WITH THE NEW OVERHEAD CRANE SYSTEM.
 3. RELOCATE EXISTING FAN TO LOCATION INDICATED FROM EXISTING WALL THAT IS TO BE RELOCATED. ADD NEW DUCTWORK TO CONNECT EXISTING DUCTWORK TO RELOCATED FAN.
 4. DROP 3/4" CD IN WALL TO BELOW COUNTERTOP IN STORAGE ROOM M03. CONNECT TO DISHWASHER DRAIN CONNECTION ON TAILPIECE FROM SINK.
 5. 3/4" CONDENSATE THROUGH WALL-6" A.F.F. AND SPILL @ GRADE.



DETAIL 1
NO SCALE
FUEL OIL PIPING SCHEMATIC



MEZZANINE PLAN - HVAC
SCALE: 1/8" = 1'-0"



DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
DATE: 6/19/94
DATE: 6/19/94

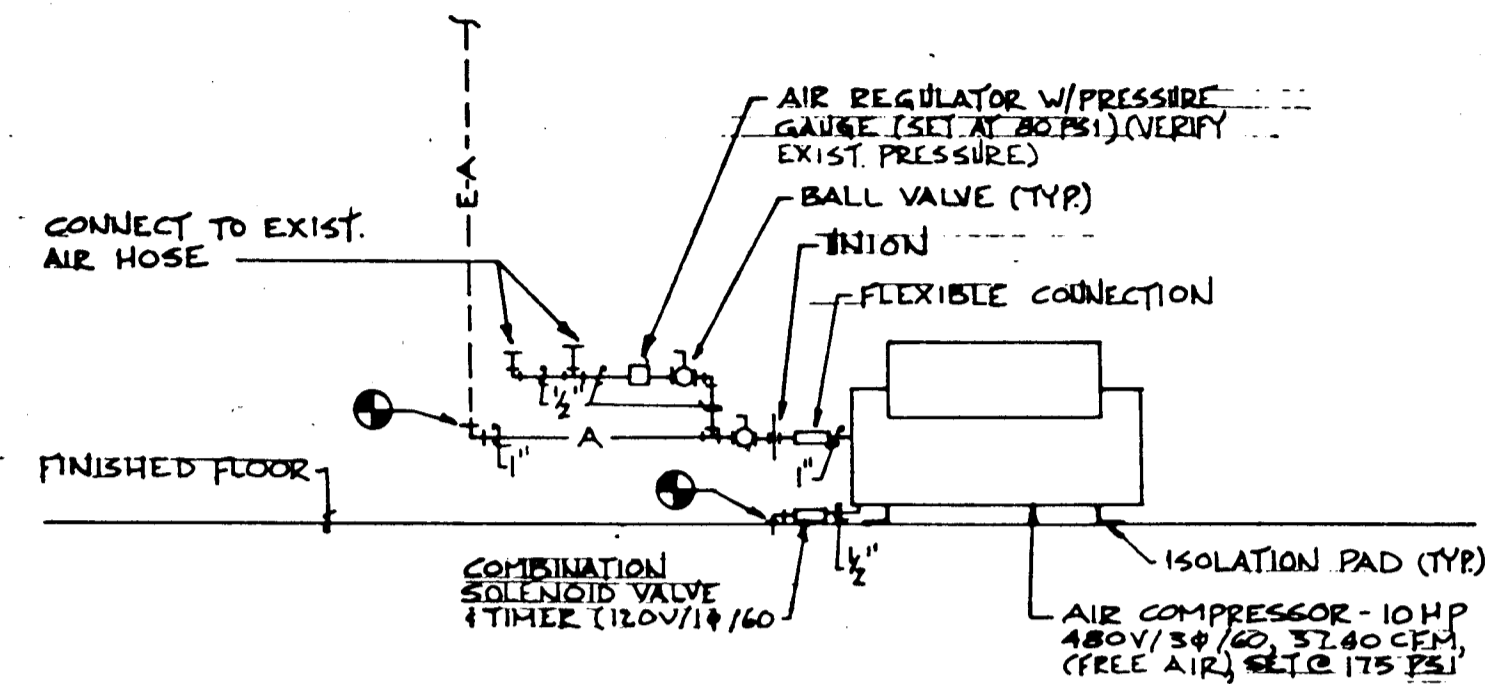
acer
Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel 717-569-7021

DES: DAM					
DRN: DAM					
CHK: NDW					
DATE: 6/10/94	BY: NO	REVISION	DATE	600' SCALE MAP NO.	BLOCK NO.

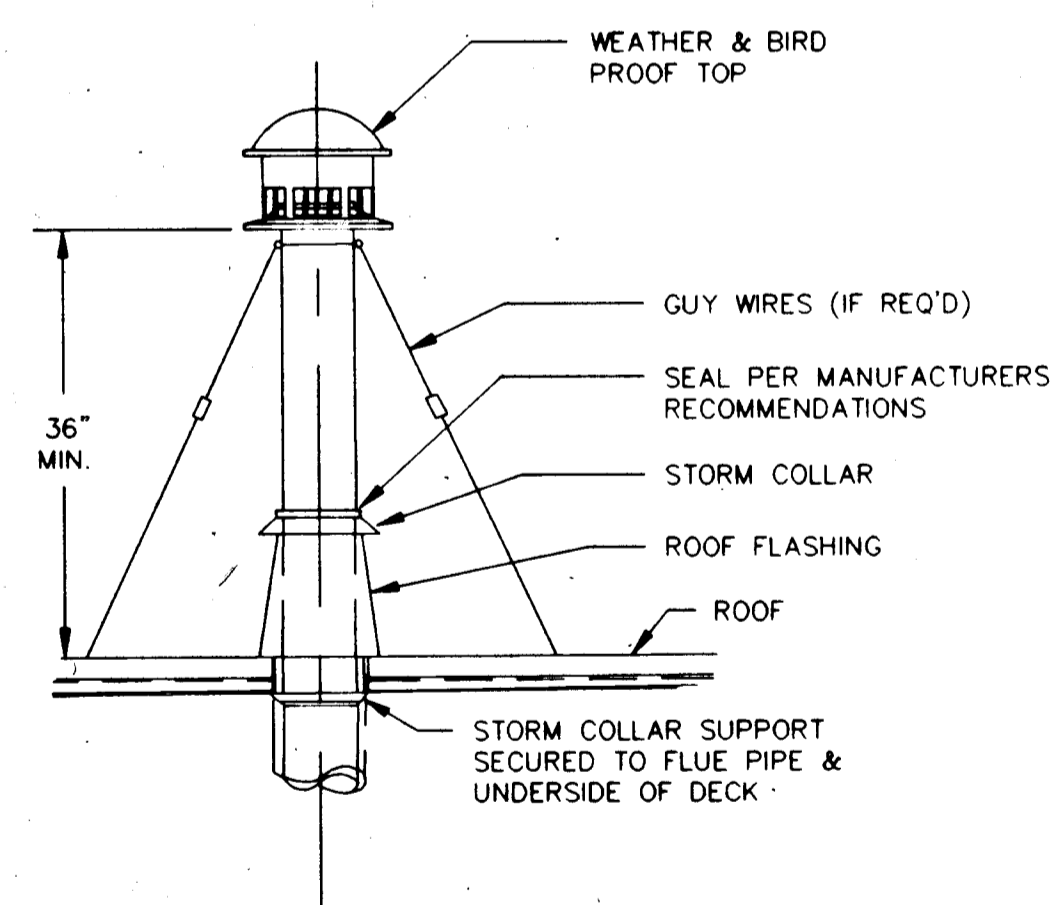
FLOOR PLAN - HVAC

**ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY**
capital project: 0190D
HOWARD COUNTY, MARYLAND

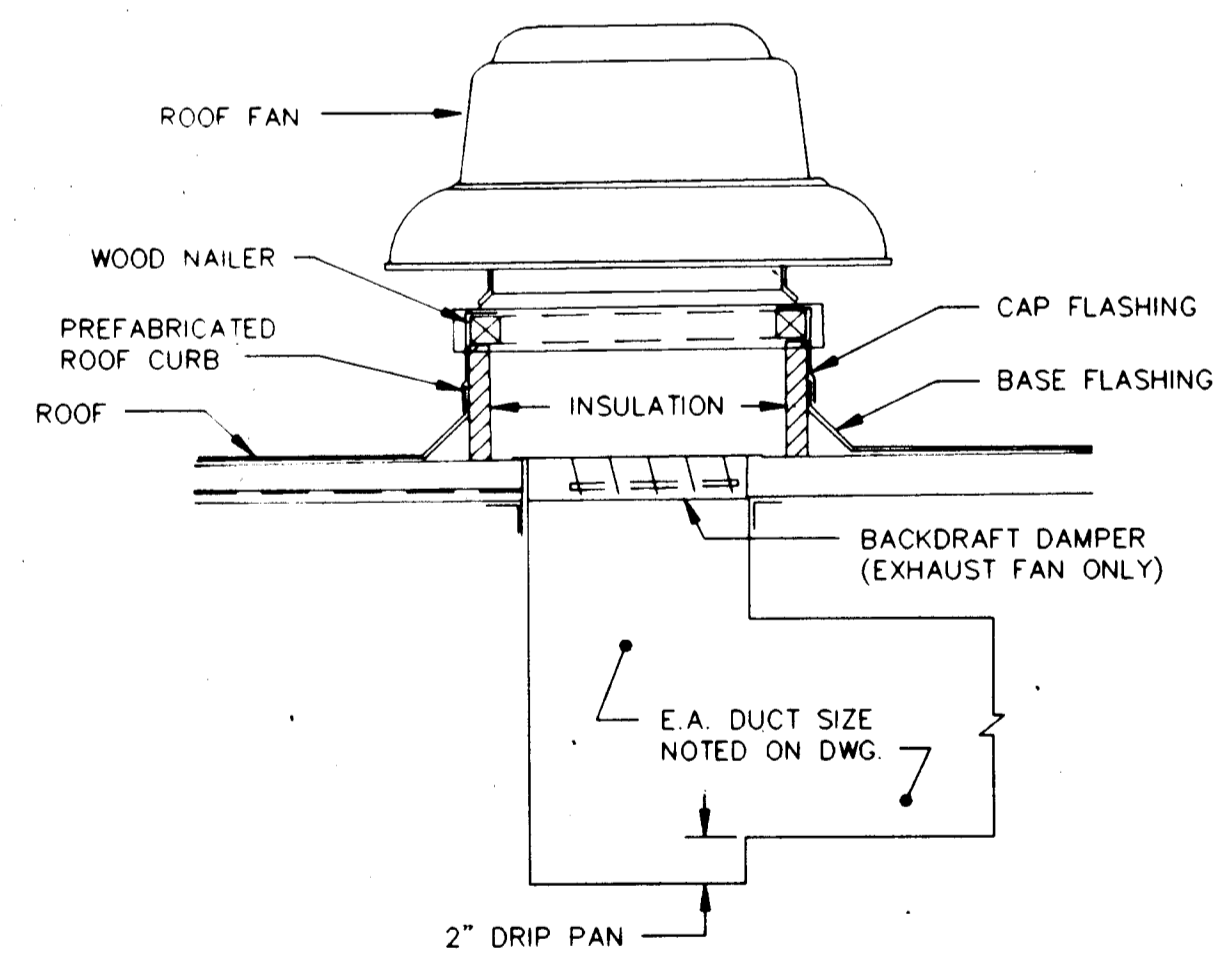
SCALE AS SHOWN
M-2
12 OF 15



DETAIL 3
NO SCALE



DETAIL 1
NO SCALE
(FLUE THROUGH ROOF DETAIL)



DETAIL 2
NO SCALE
(ROOF FAN DETAIL)

OIL-FIRED FURNACE SCHEDULE						
SYMBOL	GPH INPUT	MBH OUTPUT	CFM	E.S.P.	FAN HP	POWER
OF-1	2.0	224.0	2440	0.625	1	208/3

PUMP SCHEDULE (#2 FUEL OIL)				
SYMBOL	GPH	HP	RPM	POWER
P-1	15.0	1/6	1750	120/1

THROUGH WALL HEAT PUMP SCHEDULE										
SYMBOL	CFM	O A CFM	POWER	COOLING			HEATING			
				E A T.		TOTAL MBH @ 47F	AUX KW	EAT		
				D.B.	W.B.				ON COND	
TWHP-1	280*	60*	208/1	6.8	80	67	95	6.4	1.5	55
TWHP-2	325*	70*	208/1	13.1	80	67	95	14.1	3.0	55
TWHP-3	325*	70*	208/1	13.1	80	67	95	14.1	3.0	55

* DRY COIL RATINGS

FAN SCHEDULE								
SYMBOL	CFM	S.P.	HP	RPM	POWER	TYPE	DRIVE	SPEED
F-1	190	0.375	1/25	1550	120/1	WFD	DIRECT	SINGLE
F-2	1040	0.250	1/6	1140	120/1	WFD	DIRECT	SINGLE
F-3	825	0.250	1/12	1140	120/1	WFD	DIRECT	SINGLE
F-4	4200	0.250	1/2	585	120/1	RFB	BELT	SINGLE

ELECTRIC BASEBOARD HEATER SCHEDULE				
SYMBOL	LENGTH	MBH	WATTS	POWER
EBBH-1	3'-0"	2.56	750	120/1

SPLIT SYSTEM AIR CONDITIONER SCHEDULE							
SYMBOL	CFM	POWER	COOLING MBH	COND. EAT	EVAP. EAT		KW
					DB	WB	
SSAC-1	220	120/1	9.0	95	75	63	0.9

SPLIT SYSTEM HEAT PUMP SCHEDULE									
SYMBOL	CFM	POWER	COOLING MBH	COND. EAT	EVAP. EAT		SYSTEM KW	HEATING MBH @ 47F	AUX HEATING KW
					DB	WB			
SSHP-1	210	208/1	8.8	95	75	63	0.93	10.7	0.82

SYMBOLS & IDENTIFICATION OF GRILLES & REGISTERS	
IDENTIFICATION	
NECK SIZE	12/12 SR-200-S
DESCRIPTION	STYLE
	CFM
DESCRIPTION	
SR - SUPPLY REGISTER	RR - RETURN REGISTER EG - EXHAUST GRILLE
STYLE	
STYLE S	SIDEWALL REGISTER OR GRILLE

HVAC SYMBOL & ABBREVIATION SCHEDULE		
SYMBOL	ABBREV	DESCRIPTION
CD	CD	CONDENSATE DRAINAGE
RL	RL	REFRIGERANT LIQUID
RS	RS	REFRIGERANT SUCTION
FOS	FOS	FUEL OIL SUPPLY
FOR	FOR	FUEL OIL RETURN
⊕		ELBOW TURNED UP
⊖		ELBOW TURNED DOWN
Ⓢ	T'STAT	THERMOSTAT
SA	SA	SUPPLY AIR DUCT SECTION
RA	RA	RETURN AIR DUCT SECTION
EA	EA	EXHAUST AIR DUCT SECTION
VD	VD	VOLUME DAMPER
SA	SA	SUPPLY AIR
RA, EA	RA, EA	RETURN OR EXHAUST AIR
DL	DL	DOOR LOUVER
TV	TV	TURNING VANES
⊕		CONNECT NEW TO EXISTING
ESP	ESP	EXTERNAL STATIC PRESSURE
CFM	CFM	CUBIC FEET PER MINUTE
RPM	RPM	REVOLUTIONS PER MINUTE
GPH	GPH	GALLONS PER HOUR
EAT.	EAT.	ENTERING AIR TEMPERATURE
WB	WB	WET BULB
DB	DB	DRY BULB
KW	KW	KILOWATT
AFF	AFF	ABOVE FINISHED FLOOR
AFG	AFG	ABOVE FINISHED GRADE
HP	HP	HORSEPOWER
TWHP	TWHP	THROUGH-WALL HEAT PUMP
SSHP	SSHP	SPLIT SYSTEM HEAT PUMP
SSAC	SSAC	SPLIT SYSTEM AIR CONDITIONER
EBBH	EBBH	ELECTRIC BASEBOARD HEATER
F	F	FAN

Barton Associates
CONSULTING ENGINEERS
YORK, PENNSYLVANIA
JOB NO. 90086

MICROFILMED
OCT 12 1994

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
James P. Shaw DIRECTOR OF PUBLIC WORKS
Robert E. Seaman CHIEF, BUREAU OF ENGINEERING
DATE: 6/14/94

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Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
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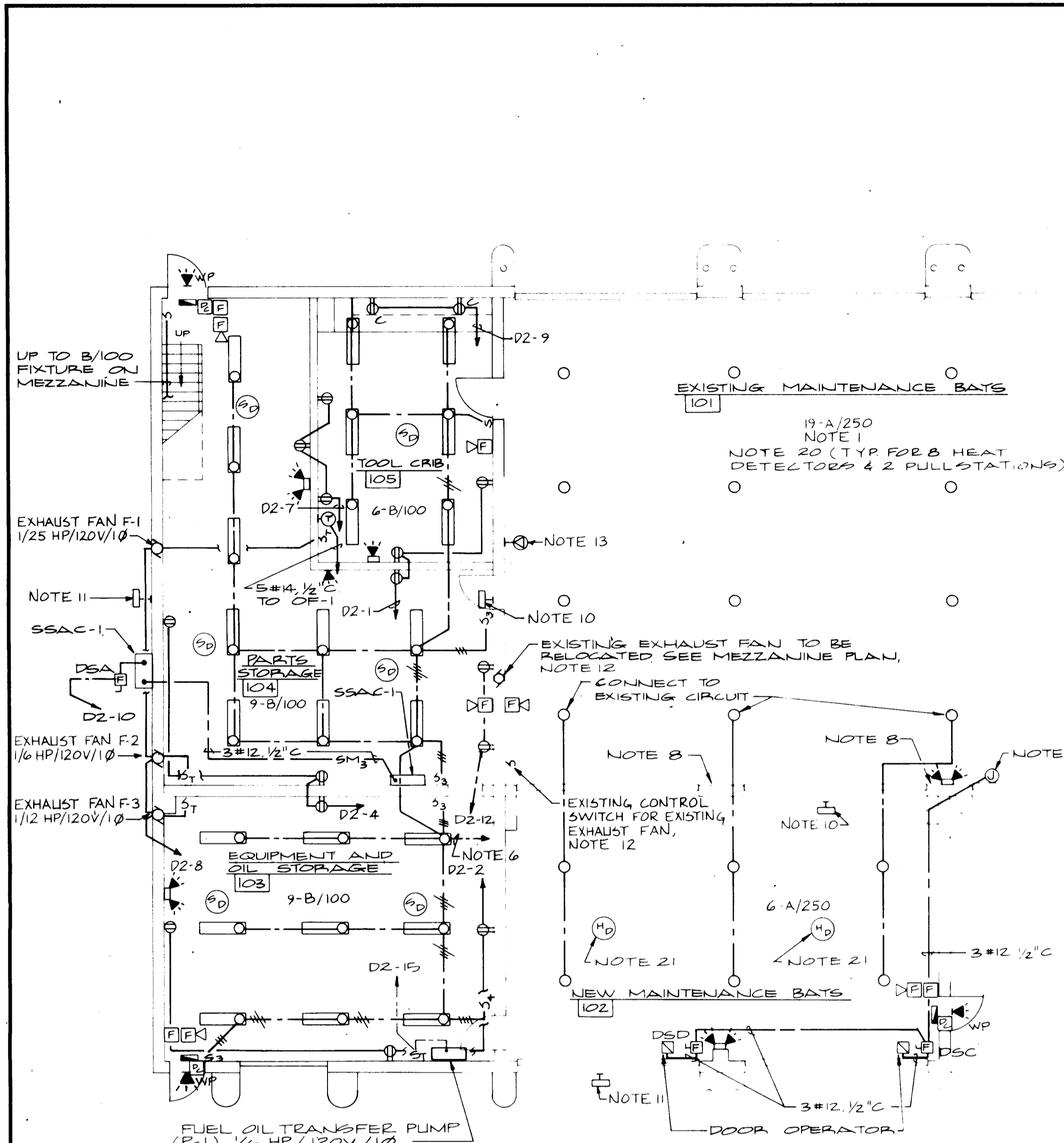


DES. DAM					
DRN. DAM					
CHK. NOW					
DATE: 6/10/94	BY: NO	REVISION	DATE: 6/10/94	SCALE: 600'	MAP NO. BLOCK NO.

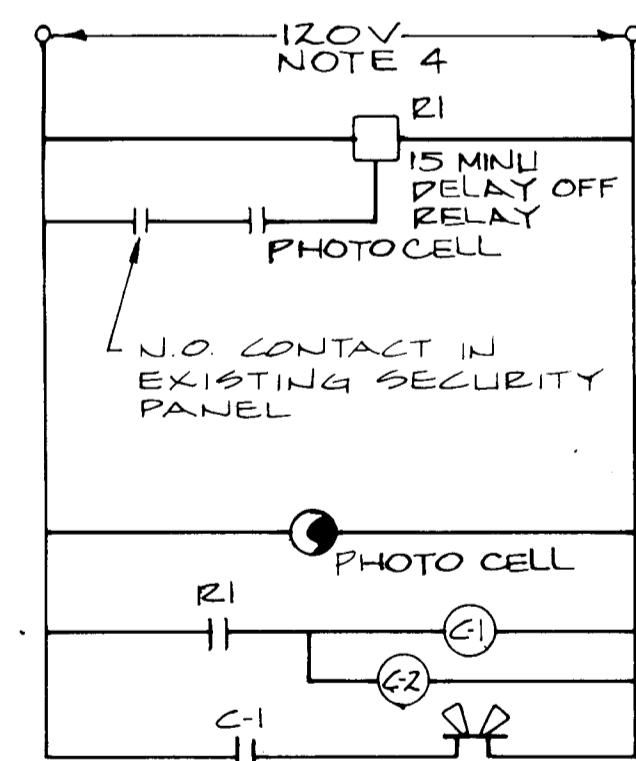
SCHEDULES & DETAILS

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: 0190D
HOWARD COUNTY, MARYLAND

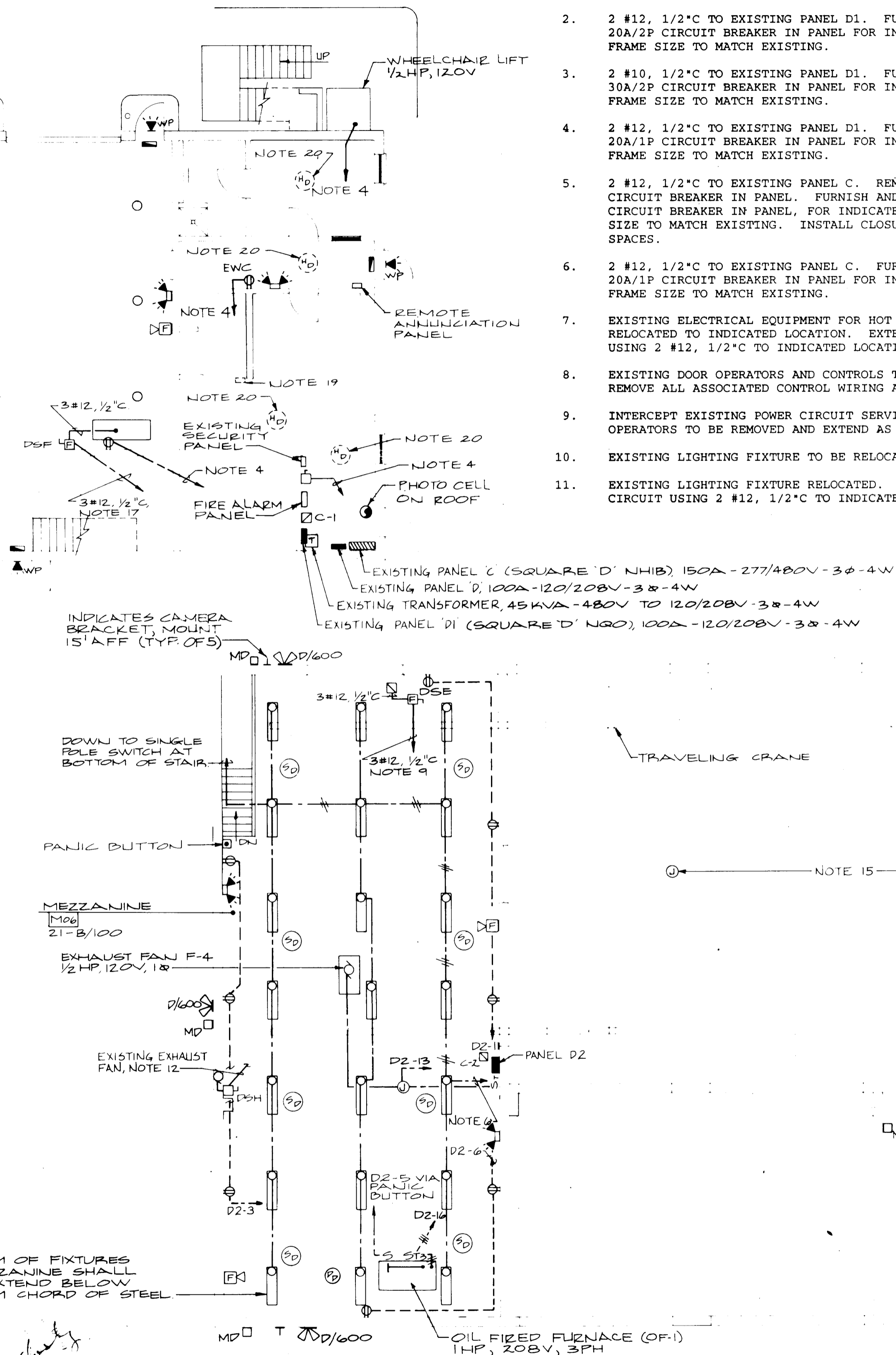
SCALE AS SHOWN
M-3
13 OF 15



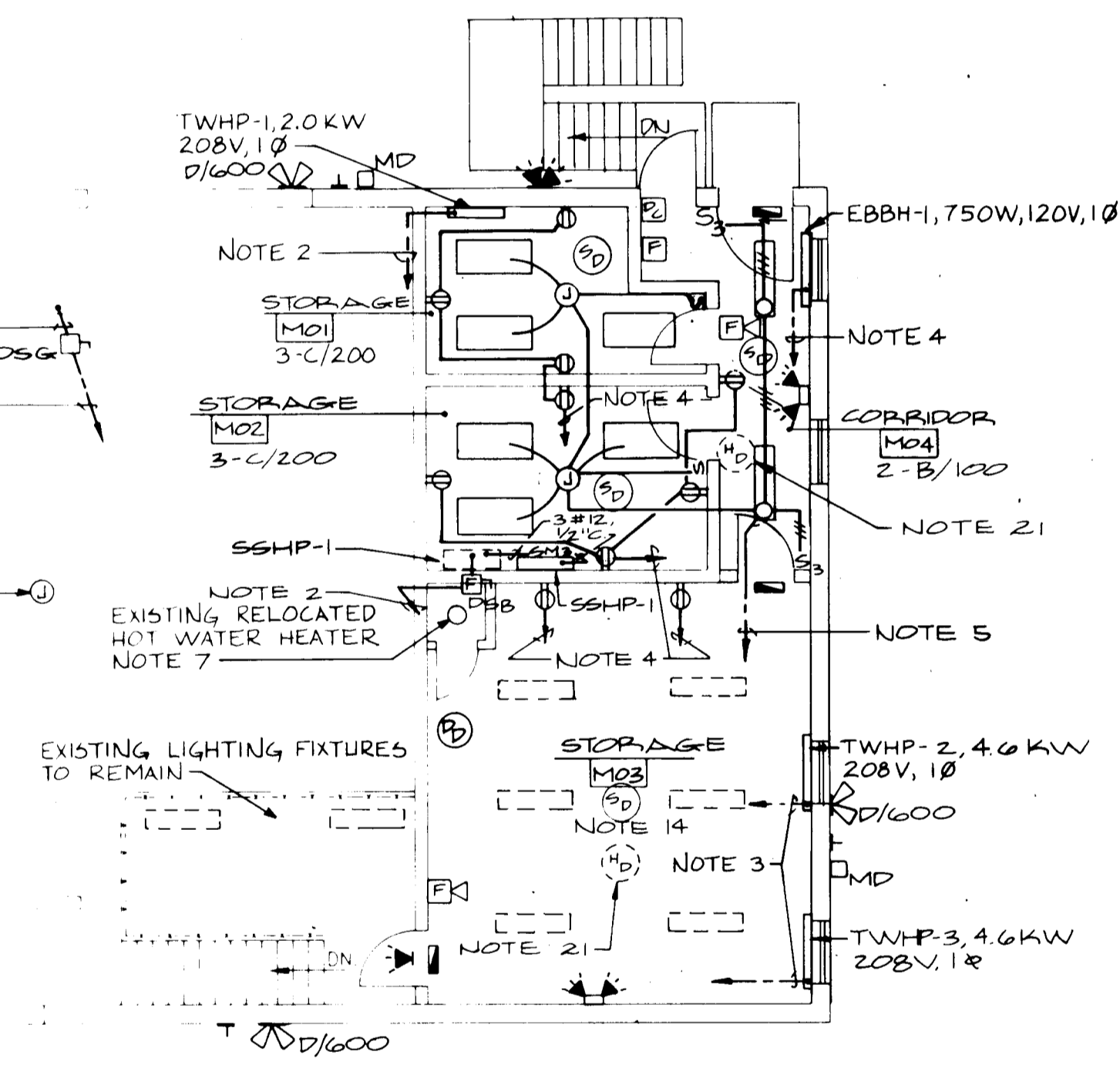
FLOOR PLAN



SECURITY LIGHTING WIRING DIAGRAM
NO SCALE



MEZZANINE PLAN

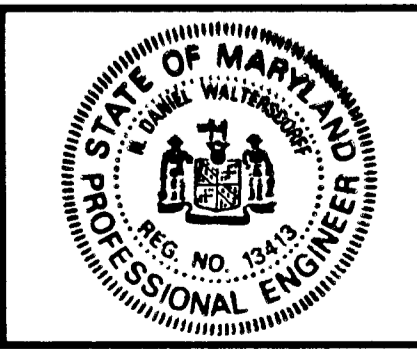


NOTES:

- EXISTING HIGH PRESSURE SODIUM FIXTURES TO BE REMOVED. INSTALL A/250 FIXTURE AT SAME LOCATION AND CONNECT TO EXISTING CIRCUITRY. BOTTOM OF A/250 FIXTURE SHALL BE ABOVE TRAVELING CRANE RAIL.
- 2 #12, 1/2" C TO EXISTING PANEL D1. FURNISH AND INSTALL A 20A/2P CIRCUIT BREAKER IN PANEL FOR INDICATED EQUIPMENT, FRAME SIZE TO MATCH EXISTING.
- 2 #10, 1/2" C TO EXISTING PANEL D1. FURNISH AND INSTALL A 30A/2P CIRCUIT BREAKER IN PANEL FOR INDICATED EQUIPMENT, FRAME SIZE TO MATCH EXISTING.
- 2 #12, 1/2" C TO EXISTING PANEL D1. FURNISH AND INSTALL A 20A/1P CIRCUIT BREAKER IN PANEL FOR INDICATED EQUIPMENT, FRAME SIZE TO MATCH EXISTING.
- 2 #12, 1/2" C TO EXISTING PANEL C. REMOVE EXISTING 25A/3P CIRCUIT BREAKER IN PANEL. FURNISH AND INSTALL A 20A/1P CIRCUIT BREAKER IN PANEL, FOR INDICATED EQUIPMENT, FRAME SIZE TO MATCH EXISTING. INSTALL CLOSURE PLATES ON UNUSED SPACES.
- 2 #12, 1/2" C TO EXISTING PANEL C. FURNISH AND INSTALL A 20A/1P CIRCUIT BREAKER IN PANEL FOR INDICATED EQUIPMENT, FRAME SIZE TO MATCH EXISTING.
- EXISTING ELECTRICAL EQUIPMENT FOR HOT WATER HEATER TO BE RELOCATED TO INDICATED LOCATION. EXTEND EXISTING CIRCUIT USING 2 #12, 1/2" C TO INDICATED LOCATION.
- EXISTING DOOR OPERATORS AND CONTROLS TO BE REMOVED. REMOVE ALL ASSOCIATED CONTROL WIRING AND POWER WIRING.
- INTERCEPT EXISTING POWER CIRCUIT SERVING EXISTING DOOR OPERATORS TO BE REMOVED AND EXTEND AS INDICATED.
- EXISTING LIGHTING FIXTURE TO BE RELOCATED.
- EXISTING LIGHTING FIXTURE RELOCATED. EXTEND EXISTING CIRCUIT USING 2 #12, 1/2" C TO INDICATED LOCATION.
- EXISTING EXHAUST FAN TO BE RELOCATED TO INDICATED LOCATION. EXISTING CONTROL SWITCH SHALL REMAIN WHERE LOCATED. EXTEND EXISTING CIRCUIT USING 2 #12, 1/2" C TO INDICATED LOCATION.
- EXISTING WELDING RECEPTACLES TO REMAIN. EXISTING CONDUCTORS AND CONDUIT SHALL BE RE-ROUTED AND EXTENDED SO THEY WILL NOT INTERFERE WITH OVERHEAD CRANE, CONDUCTORS AND CONDUIT SIZE TO MATCH EXISTING.
- EXISTING LIGHTING FIXTURES TO REMAIN AND BE INSTALLED AS INDICATED. REWORK AND RECONNECT TO EXISTING CIRCUIT, USING 2#12, 1/2" C.
- EXISTING CABLE REELS TO BE RELOCATED AS DIRECTED BY OWNER. EXTEND EXISTING CIRCUITS AS REQUIRED, USING 2#12, 1/2" C.
- EXTEND CIRCUITING TO PANEL 'C' AND CONNECT TO SPARE 15A/3P CIRCUIT BREAKER.
- EXISTING AIR COMPRESSOR TO BE REMOVED. REMOVE ALL ASSOCIATED WIRING TO SOURCE. REMOVE EXISTING 15A/3P CIRCUIT BREAKER IN PANEL 'C' WHICH PRESENTLY SERVES EXISTING AIR COMPRESSOR. INSTALL A 20A/3P CIRCUIT BREAKER IN ITS PLACE, FRAME SIZE TO MATCH EXISTING. EXTEND INDICATED WIRING TO PANEL 'C' AND TERMINATE AT 20A/3P CIRCUIT BREAKER.
- ALL WIRING FOR SECURITY (EXTERIOR AND INTERIOR), FIRE ALARM AND EXTERIOR BLOCK HEATER RECEPTACLES WILL BE COMPLETED BY THE OWNER.
- REMOVE EXISTING WALL HEATER, WIRE AND CONDUIT TO SOURCE.
- RECONNECT EXISTING HEAT DETECTORS AND PULL STATIONS TO FIRE ALARM PANEL.
- RELOCATE EXISTING HEAT DETECTORS TO NEW MAINTENANCE BAY AREAS.

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
6/14/94
DIRECTOR OF PUBLIC WORKS

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270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel: 717-569-7021



DES: LHH
DRN: JNK
CHK: LHH
DATE: 6/10/94
BY: NO. REVISION

FLOOR PLAN - ELECTRICAL
600' SCALE MAP NO. BLOCK NO.

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: 0190D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
E-1

LIGHTING FIXTURE SCHEDULE							
DESIG	VOLTS	TYPE	DESCRIPTION	MANUFACTURER	CATALOG NO	LAMPS	REMARKS
A/250	277	METAL HALIDE	INDUSTRIAL HIGH BAY ENCLOSED FIX-TURE WITH FUSED BALLAST	LITHONIA	TE 250M E17M 277 SF	250V MH	
B/100	277	FLUOR	INDUSTRIAL FLUORESCENT WITH 10% UPLIGHT AND FUSED BALLAST	LITHONIA	AF 10 240 277 ES GLR	F40CW RS-ES	
C/200	277	FLUOR	2' X 4', 4 LAMP LAY-IN FIXTURE WITH ACRYLIC PRISMATIC LENS AND FUSED BALLAST	LITHONIA	2SP G 440 A12 277 ES GLR	F40CW RS-ES	
EXIT SIGNS	120VAC 12 VDC		UNIVERSAL TYPE WITH TWO GS6DC 12 VOLT LAMPS AND 2-120V COMPACT FLUORESCENT AND SELF CONTAINED BATTERY SOURCE. GREEN LETTERING. MINIMUM 6" HIGH ON WHITE BACKGROUND	CHLORIDE	WPL120 SERIES	2-GS6DC 2-9W PL	
EMERG. UNITS	277VAC 12 VDC		120 VOLT OUTPUT, 120V INPUT WITH 25 WATT. PAR 36 LAMPS. WATT RATING DETERMINED BY NO OF HEADS. MINIMUM 36 WATTS	CHLORIDE	TMF SERIES	PAR 36 25 WATT	REMOTE HEADS SHALL BE CHLORIDE TYPE DK WITH MOUNTING PLATE (WEATHERPROOF WHERE REQUIRED)
D/600	120	INCAND	CAST ALUMINUM HOUSING. GLASS LENS. GASKETED. WITH GUARD	HUBBELL	QL-505	300W T-3 TUNGSTEN HALOGEN	2 PER LOCATION

* DR AS APPROVED

DISCONNECT SCHEDULE						
DESIG.	AMPS	POLES	VOLTS	FUSE AMPS	NEMA ENCL.	REMARKS
DSA	30	2	250	*	3R	SSAC-1
DSB	30	2	250	*	3R	SSH-1
DSC	30	3	600	*	1	DOOR OPERATOR
DSD	30	3	600	*	1	DOOR OPERATOR
DSE	30	3	600	*	1	DOOR OPERATOR
DSF, DSH	30	3	250	*	1	AIR COMPRESSOR, EXIST. EXHAUST FAN
DSG	30	3	600	-	1	TRAVELING CRANE

* FUSE SIZE AS RECOMMENDED BY MANUFACTURER

SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
⊙	WALL SPOT OR FLOOD LIGHTING FIXTURE OUTLET
⊕	EMERGENCY LIGHTING BATTERY UNIT NUMBER OF HEADS AS INDICATED
⊕	REMOTE EMERGENCY LIGHTING HEAD, WALL MOUNTED
⊙	SMOKE DETECTOR
⊙	DUCT SMOKE DETECTOR
⊙	HEAT DETECTOR
F	FIRE ALARM STATION
F	FIRE ALARM AUDIBLE VISUAL UNIT
⊠	CONTACTOR
⊙	PHOTOELECTRIC CONTROL, SURFACE MOUNTED
⊙	PANIC BUTTON, WALL MOUNTED
⊠	CAMERA BRACKET - TYPE SHALL BE COMPATIBLE WITH OWNERS CAMERA
WP	WEATHERPROOF
EWC	ELECTRIC WATER COOLER
DC	DOOR CONTACT - EXTEND 2#14, 1/2" C. TO EXISTING SECURITY PANEL
MD	MOTION DETECTOR - EXTEND 3#14, 1/2" C. TO EXISTING SECURITY PANEL

CONTACTOR SCHEDULE						
DESIG	SPEC NO	AMPS	POLE S	COIL VOLTS	NEMA ENCL	REMARKS
C-1	1	20	2	120	1	SECURITY LIGHTS
C-2	1	20	2	120	1	SECURITY LIGHTS

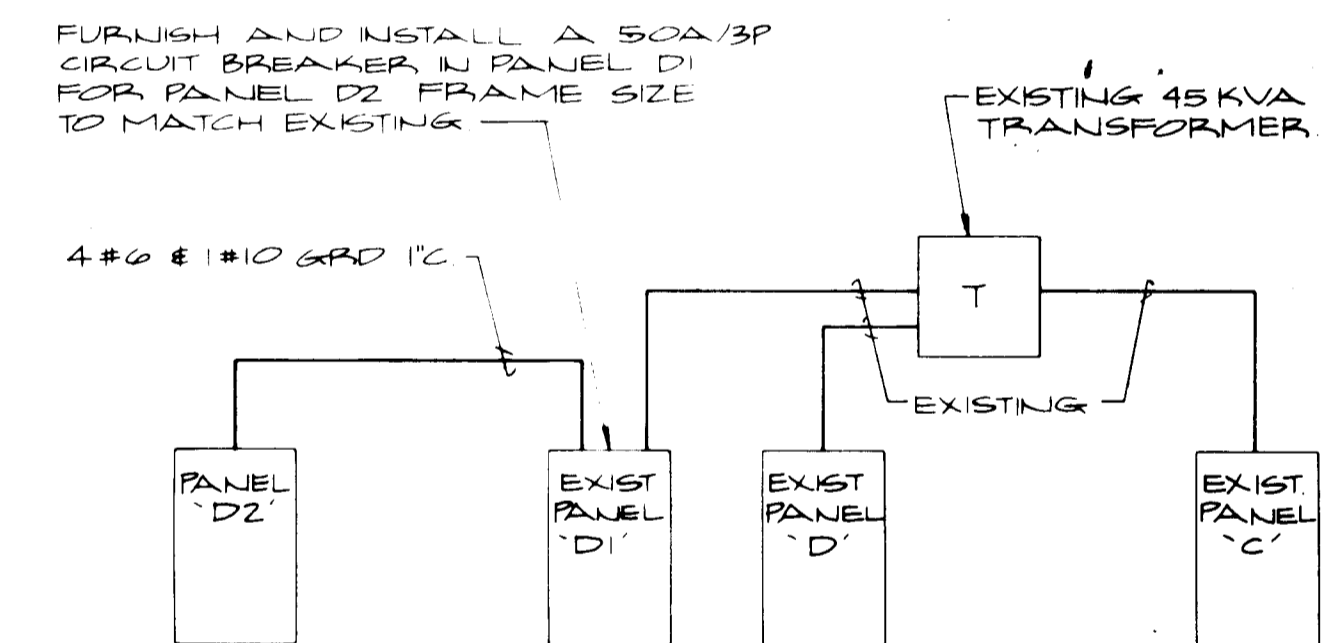
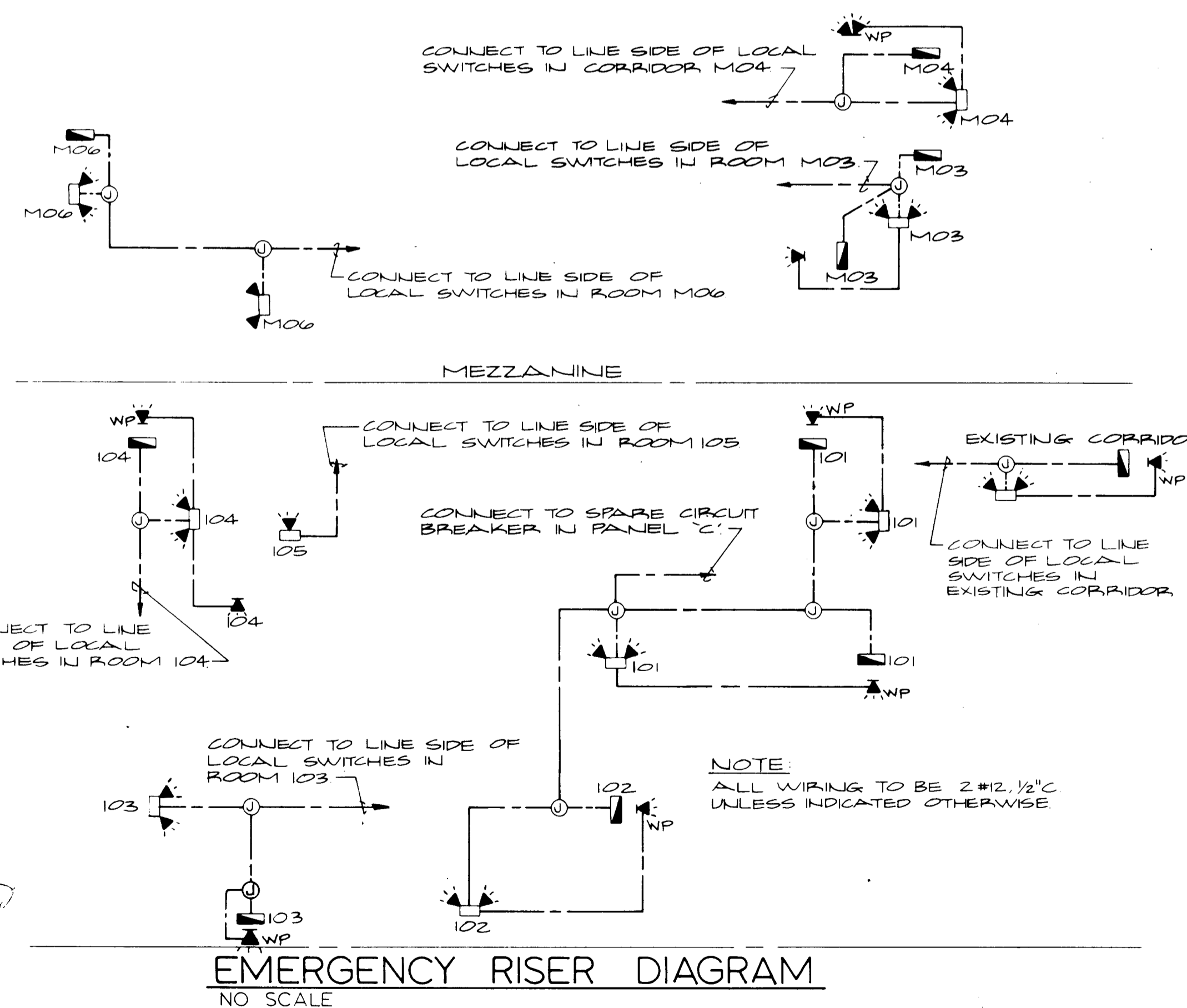
PANEL: D2		BUS RATING: 100 AMPS		RATING: 120/208V-3Ø-4W		LOCATION: MAIN LUGS ONLY		MAIN CIRCUIT BREAKER:			
SERVICE	LOAD KVA	A	B	C	BKR. NO.	CKT. NO.	LOAD KVA	A	B	C	SERVICE
RECEPTACLES	540				20	1					RECEPTACLES
RECEPTACLES		540			20	3					RECEPTACLES
DF-1 CONTROL				500	20	5					RECEPTACLES
RECEPTACLES					20	7					FANS F-1, F-2, F-3
RECEPTACLES					20	9					SSAC-1
RECEPTACLES					20	11					RECEPTACLES
F-4	1130				20	13					
P-1					20	15					
SPOT LIGHTS				1800	20	17					
SPARE					20	19					SPARE
SUB-TOTAL								2060	2190	1470	

LOAD: A 4270
B 3760
C 2510
TOTAL 10540 KVA

NUMBER OF POLES: 20 POLES
MINIMUM SHORT CIRCUIT RATING: 10,000 AIC

SYMBOL SCHEDULE	
SYMBOL	DESCRIPTION
□	FLUORESCENT FIXTURE, RECESSED; CEILING OUTLET
□	FLUORESCENT FIXTURE, SURFACE; CEILING OUTLET
○	CEILING LIGHTING FIXTURE OUTLET
S	SINGLE POLE SWITCH
S ₃	THREE WAY SWITCH
S ₄	FOUR WAY SWITCH
S _{T3}	MANUAL MOTOR STARTER, SINGLE POLE WITH OVERLOADS - '3' INDICATES THREE PHASE
S _{M3}	MANUAL MOTOR STARTER, THREE PHASE WITHOUT OVERLOADS
⊕	RECEPTACLE, DUPLEX 20A/125V/2P/3W UNLESS AMPS ARE INDICATED, GROUNDING, C INDICATES ABOVE COUNTER
⊠	DISCONNECT SWITCH, FUSED OR NON-FUSED AS INDICATED ON SCHEDULE
⊙	JUNCTION BOX
■	PANELBOARD - 120/208 VOLT
⊖	THERMOSTAT
---	CONDUIT INSTALLED UNDERFLOOR OR IN SLAB
---	CONDUIT RUN CONCEALED IN WALL OR CEILING
---	CONDUIT RUN EXPOSED
→	HOMERUN TO PANEL
///	HATCH MARKS INDICATE QUANTITY OF #12 CONDUCTORS IN CONDUIT. CONDUIT SHALL CONTAIN 2 #12 WHEN HATCH MARKS ARE NOT INDICATED, UNLESS NOTED
⊕	EXISTING LIGHTING FIXTURE

Revision 02 - 10/10/94



POWER RISER DIAGRAM
NO SCALE

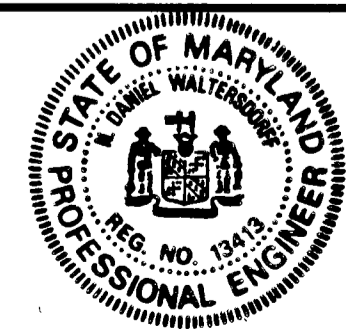
NOTE: CONNECTED LOAD ON EXISTING 480V PANEL 'C'
76.206 KVA EXISTING (DETERMINED FROM EXISTING DRAWINGS DATED MARCH, 1979)
41.25 KVA ADDITIONAL
117.456 KVA TOTAL
CONNECTED LOAD ON EXISTING 45 KVA TRANSFORMER
14.042 KVA EXISTING (DETERMINED FROM EXISTING DRAWINGS DATED MARCH, 1979)
18.630 KVA ADDITIONAL
32.672 KVA TOTAL

Barton Associates
CONSULTING ENGINEERS
YORK, PENNSYLVANIA
JOB NO. 90086

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

Director of Public Works DATE *6/14/94*
Chief, Bureau of Engineering DATE

acer
Acer Engineers & Consultants, Inc.
270 Granite Run Drive
Lancaster, Pennsylvania 17601
Tel: 717-569-7021



DES: LHH					
DRN: JNK					
CHK: LHH					
DATE: 6/10/94	BY: NO.	REVISION	DATE	600' SCALE MAP NO.	BLOCK NO.

SCHEDULES & DIAGRAMS

ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: 0190D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN

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