

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

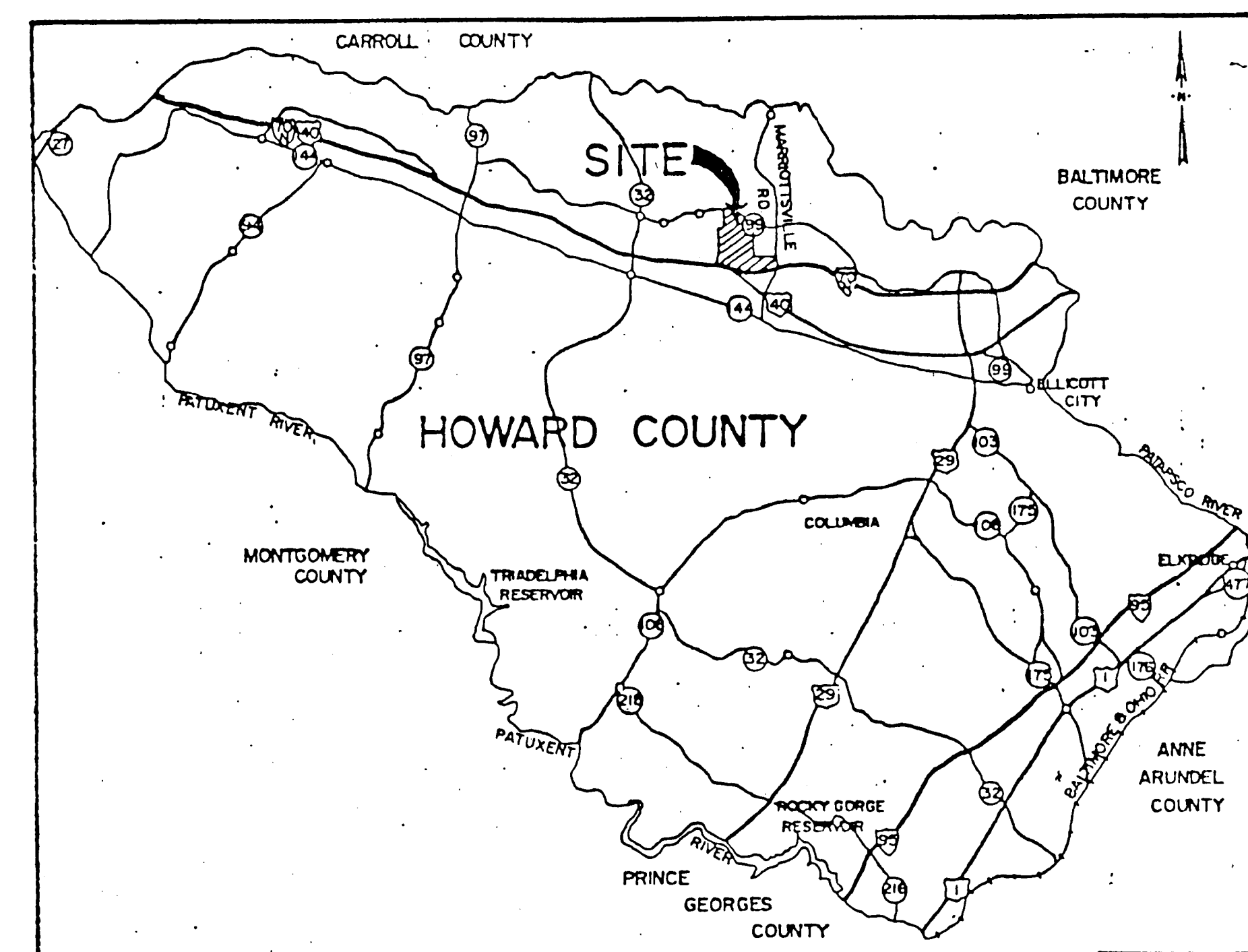
A 1 FLOOR PLAN
A 2 MEZZANINE / ROOF PLAN
A 3 ELEVATIONS
A 4 SECTIONS
A 5 WALL SECTIONS AND DETAILS
A 6 TOILET ROOM AND WHEEL CHAIR LIFT PLANS AND DETAILS

MECHANICAL

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

ELECTRICAL

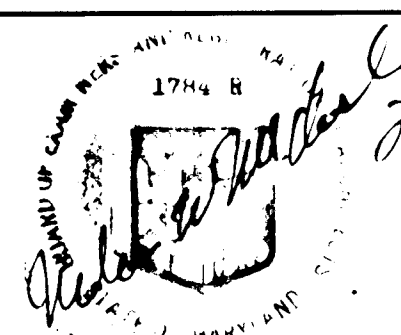
E 1 FLOOR PLAN - ELECTRICAL
E 2 SCHEDULES



VICINITY MAP
SCALE: 1 INCH = 3 MILES

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

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

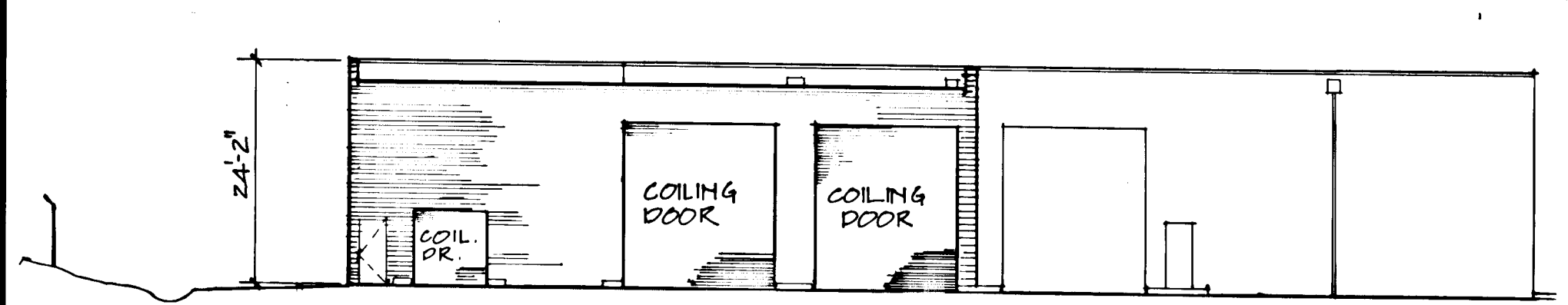
**ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY**
capital project: C0190
HOWARD COUNTY, MARYLAND

SCALE
AS
SHOWN

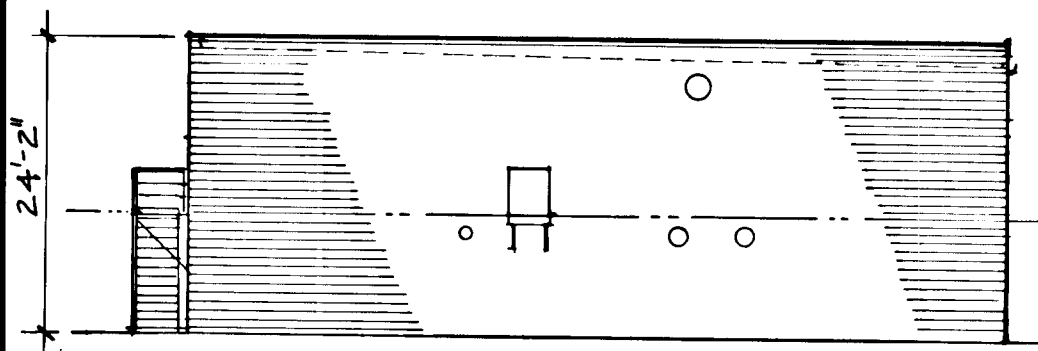
COV 1
1 OF 15

XXAL-94-001

880
DATE: 05/29/94 11:51



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



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

N 536,715.434
E 826,070.361
TRAVERSE 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 Seed |
|------------------|-----------------------|---------------------|---------------------|-------------------|
| Crownvetch | 45 | 99 | 70* | 0.10 |
| Ryegrass, Annual | 55 | 95 | 90 | 0.15 |

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

2. 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.

3. 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.

4. Mulch Binder: Emulsified asphalt conforming to the requirements of AASHTO M 140, Grade BS-1 and which does not contain solvents or other diluting agents toxic to plant life.

5. 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:

1. Grass Seed Mixture: 5 pounds per 1,000 sq. ft. areas.

6. Contractor Option: Seeding and soil supplement application may be performed by the hydroseeding method. However, rates of application, methods and equipment shall receive Engineer's prior approval.

7. 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.

8. 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.

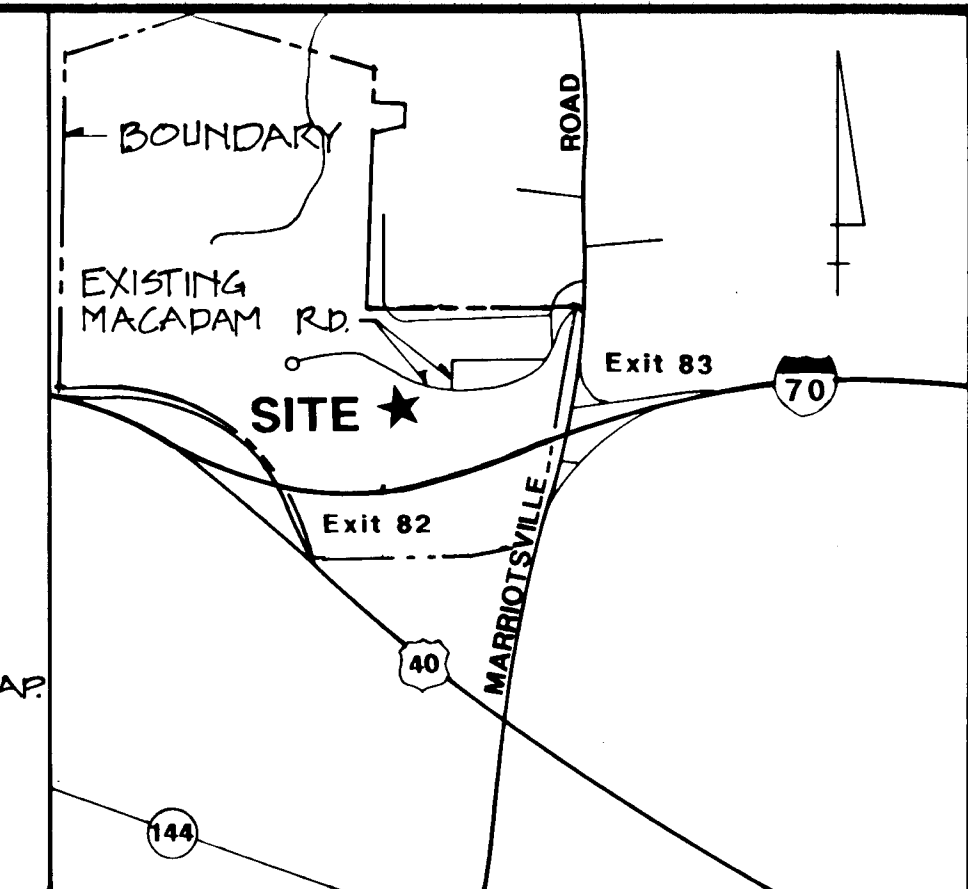
TRAVERSE MON. S-1
ELEV. 490.67'
3/4" RE-BAR
N 536,458.21
E 826,337.95

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) 315-1824 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:

- ELEV. LINE FOR PERIMETER SECURITY SYSTEM RUNS ENTIRE LENGTH OF FENCE ALONG TOP FENCE RAIL EXCEPT AT TWO GATES WHERE FENCE LINE IS ENTRENCHED AT ±18"
- ELEV. 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-2.0, TYPE P3 W/ GRANULAR BASE. SEE SHT. A1 FOR SIZE.
- SECURITY SYSTEM POLES & WIRING TO BE RELOCATED. VERIFY EXISTING & NEW LOCATIONS WITH OWNER.
- POROUS PAVEMENT FILL 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 - 28" X 20"
- ENERGY DISSIPATOR RIP RAP - 6" DIA. STONE, 18" DEEP.
- 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.



VICINITY MAP
SCALE: 1" = 2000'

| | | |
|--|--------------------------------|---------------------|
| PROJECT NAME ALPHA RIDGE SOLID WASTE MANAGEMENT CENTER | SECT./AREA 25.54 & 11 | LOT/PARCEL 6030 |
| LIBER/FOLIO 10-278/215, 101, 281/314 | BLOCK RC | TAX/ZONE 10 & 16 |
| MAP/ELEC. DIST. 3 | CENSUS TR. 3 | |
| 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 | | |
| APPROVED: FOR WATER AND SEWERAGE STORM DRAINAGE SYSTEMS AND PUBLIC ROADS. HOWARD CO. DEPARTMENT OF PUBLIC WORKS | | |
| DIRECTOR | DATE | |
| CHIEF, BUREAU OF ENGINEERING | | |
| DIRECTOR | DATE | |

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 (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)

LEGEND

- 4" DRAIN LINE
- W WATER LINE
- E ELEC CONDUIT
- CURB
- WOODS
- RP RAP
- FENCE
- SECURITY POLES
- EXISTING STRUCTURE
- EDGE MACADAM
- EDGE GRAVEL
- CONTOURS (EXISTING DASHED) (NEW CONTINUOUS)
- WATER VALVE
- EDGE OF STORM DRAIN - NEW
- STORM DRAIN - EXISTING
- KEYED NOTE
- POROUS PAVEMENT
- EDGE OF NEW SEEDING
- B-1 BORING LOCATION
- SPOT EL.

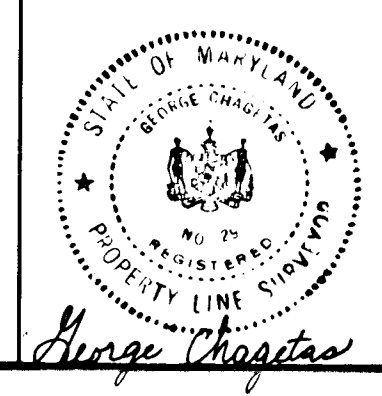
TOPOGRAPHIC SURVEY ON 2/12/91
FIELD BOOK NO. 312

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

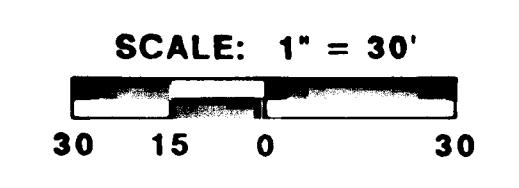
DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

[Signature] DIRECTOR OF PUBLIC WORKS
[Signature] CHIEF, BUREAU OF ENGINEERING
DATE: 6/14/94

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



| | |
|----------------------------------|----------|
| DES: R.L.L. | |
| PRN: R.O.S. | |
| CHK: N.W.M. | |
| DATE: 6/10/94 | |
| REV. PER SOIL CONS. SERVICE COMS | 08-12-92 |
| REV. PER SOIL CONS. SERVICE COMS | 5-27-92 |
| REVISED PER DPZ COMMENTS | 1-29-92 |
| REVISION | DATE |



SITE PLAN

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

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

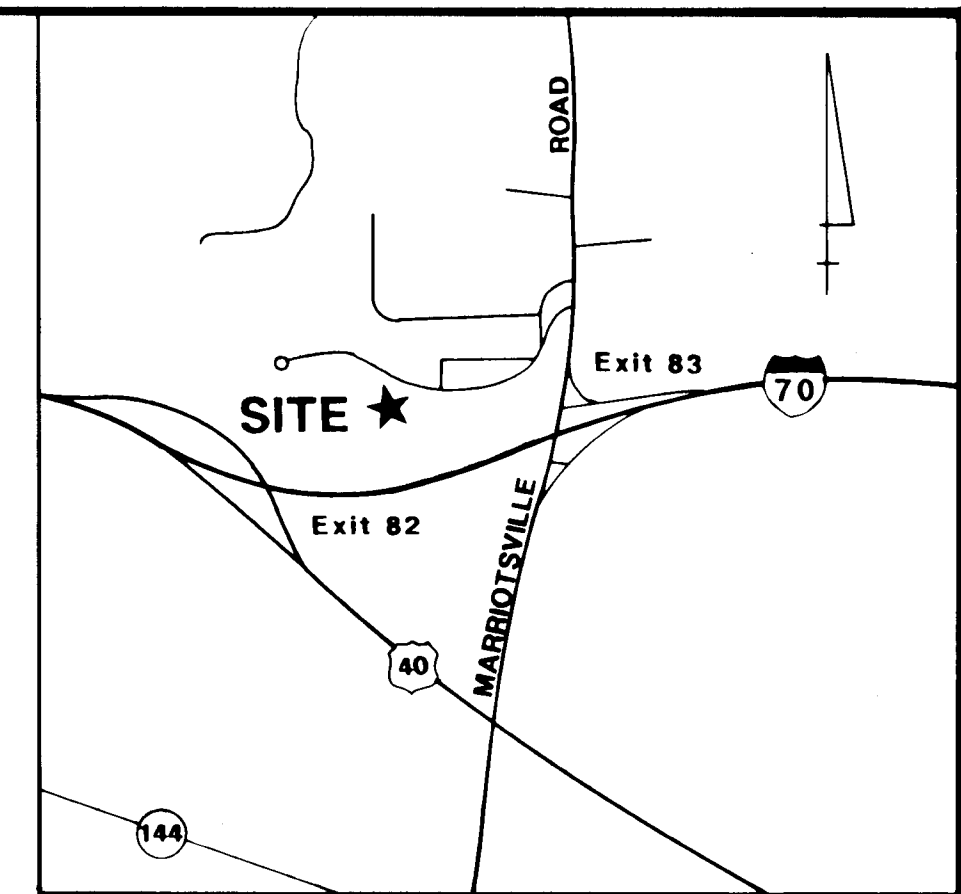
TRAVERSE MON. 32
ELEV. 507.45'
N 536,715.434
E 826,070.361

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 SEEDING AREAS 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 10-847/606 10-212/215, 10-891/514 | ZONE RC | TAX/ZONE MAP/LEC. 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 | |
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| 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 | |

13 EXISTING PARKING SPACES, 10' X 20'

CONNECT 6" φ CMP TO SPRING
INV. EL. 491.24

SLOPES IN THIS AREA 33% TO 50%

SLOPES IN THIS AREA 15% TO 25%

SEDIMENT TRAP
CONTRACTOR HAS THE OPTION OF USING THE EXISTING POND WITH APPROVAL OF HOWARD CO. SOIL CONS. DIST.

LEGEND

- 3" DRAIN TILE
- WATER LINE
- ELEC. CONDUIT
- CURB
- WOODS
- RP RAP
- FENCE
- SECURITY POLES
- EXISTING STRUCTURE
- EDGE MACADAM
- EDGE GRAVEL
- CONTOURS - (EXISTING DASHED) (NEW CONTINUOUS)
- POROUS PAVEMENT
- EDGE OF NEW SEEDING
- BORING LOCATION
- WATER VALVE
- STORM DRAIN - NEW
- STORM DRAIN - EXISTING
- KEYED NOTE

SCALE: 1" = 30'
30 15 0 30

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

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

| | | |
|--------------|--|--|
| DES. R.L. | | |
| PRN. R.L. | | |
| CHK. N.W.M. | REV. PER SOIL CONS. SERVICE COM'S 8-12-92 | |
| | REV. PER SOIL CONS. SERVICE COM'S 15-27-92 | |
| DATE 6/10/94 | REVISED PER DPZ COMMENTS 1-29-92 | |
| REVISION | DATE | |

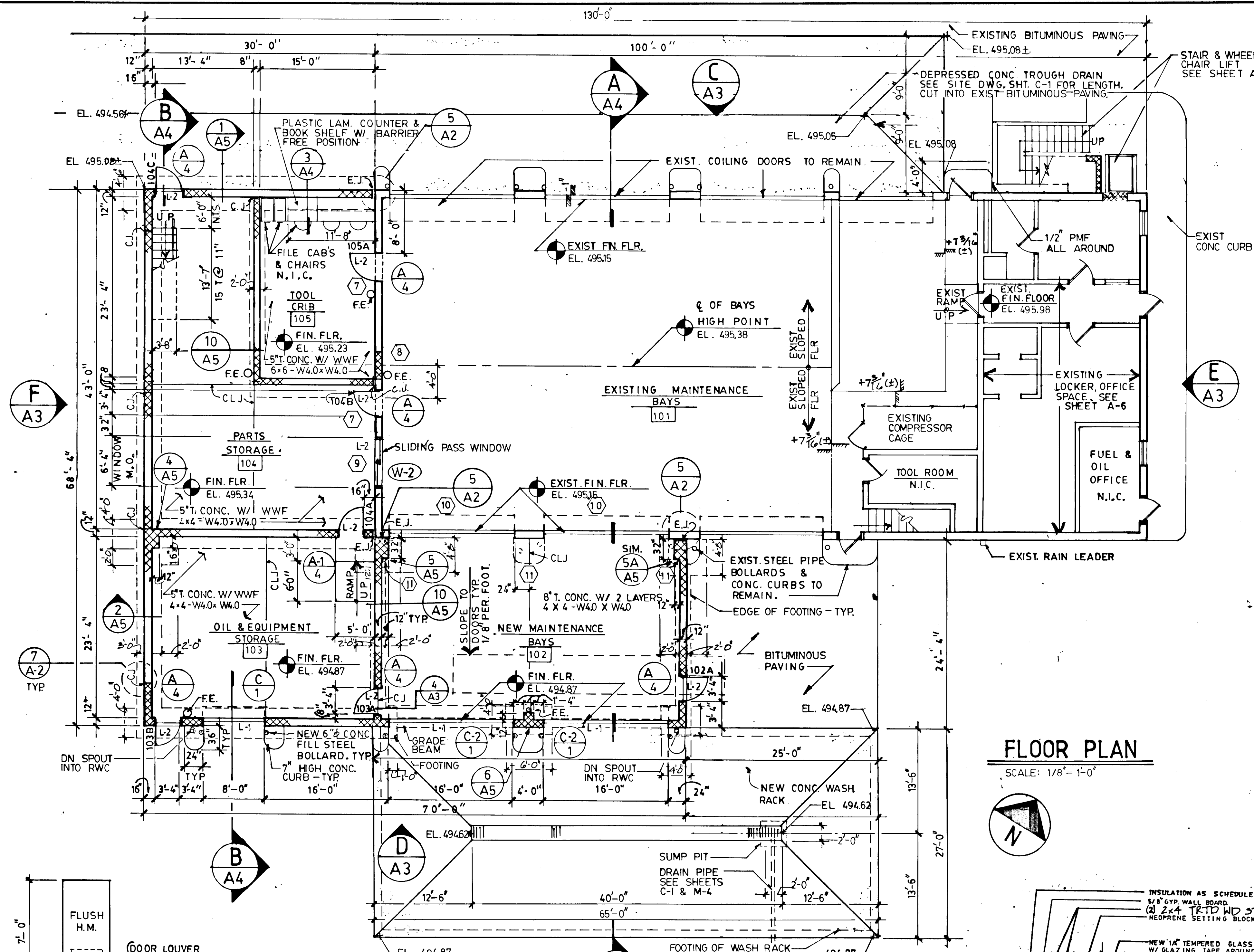
SOIL AND SEDIMENT EROSION CONTROL PLAN

ALPHA RIDGE LANDFILL MAINTENANCE FACILITY

capital project C-0190 D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
SHEET C3
4 OF 15

XXAL-94-004

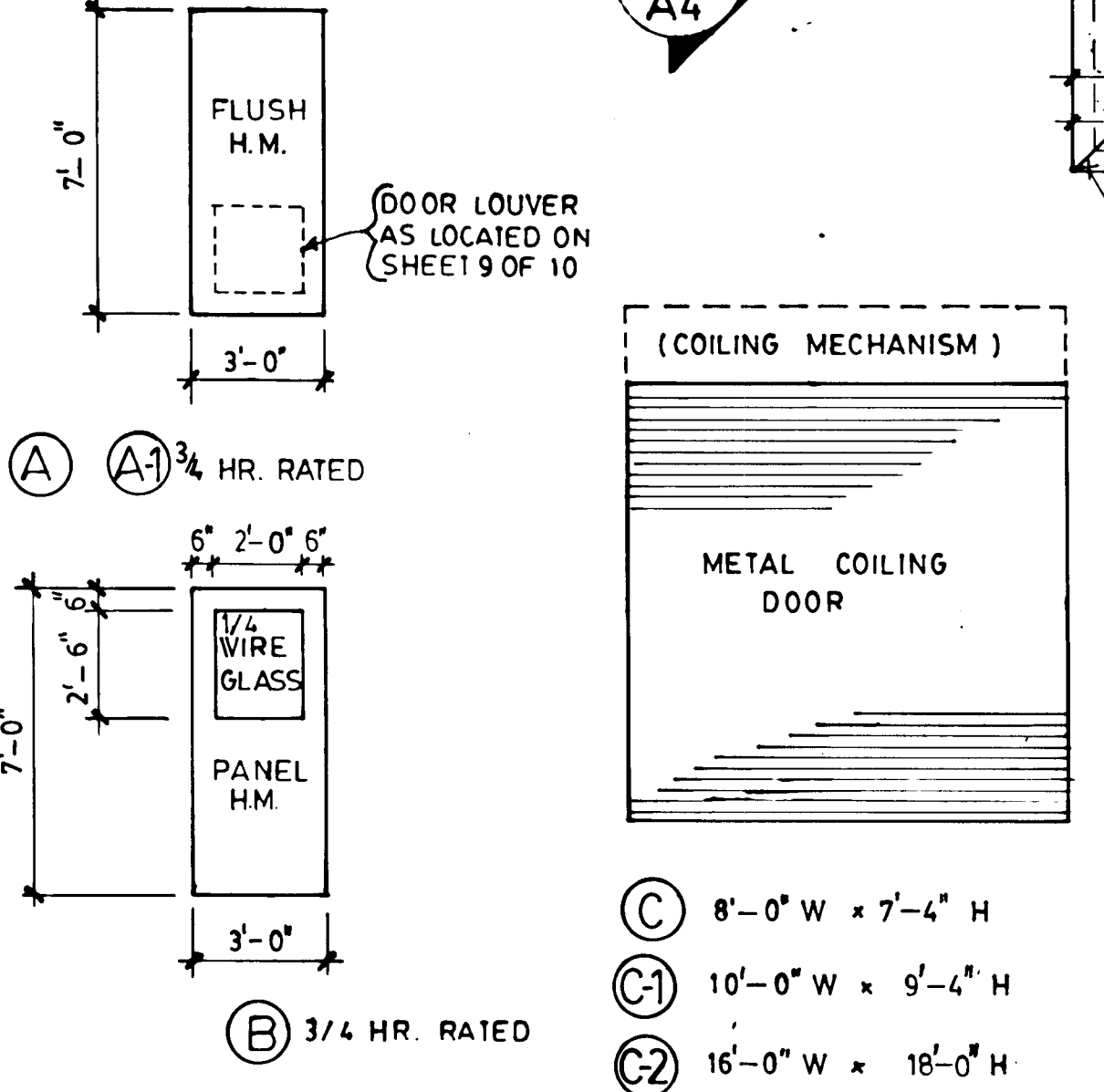
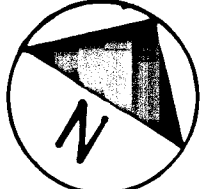


| ROOM FINISH SCHEDULE | | | | | | | | | |
|----------------------|-------------------------|-----------------|-------|-----------------|--------|------------|--------|---|--|
| ROOM NO. | ROOM NAME | FLOOR | BASE | WALLS | | CEILING | | REMARKS | |
| | | | | MAT'L | FINISH | MAT'L | FINISH | | |
| 101 | EXISTING MAINT. BAYS | EXIST. CONC. | — | C.M.U. & G.W.B. | PTD. | — | — | PAINT EAST & WEST WALLS (G.W.B.) & (C.M.U.) | |
| 102 | NEW MAINT. BAYS | CONC./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' x 4' 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' x 4' 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' x 4' 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 MOS. EXISTING PIPING TO BE FURRED 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" W x 4'-4" H x 1'-0" D IN EXISTING CMU AND REMOVE FOR INSTALLATION OF NEW WINDOWS AND LINTELS.
- ABBREVIATIONS**
- | | |
|--------|------------------------|
| ACT | ACTUAL |
| AFF | ABOVE FINISH FLOOR |
| ALUM | ALUMINUM |
| BRG | BEARING |
| BUR | BUILT-UP ROOF |
| CL | CENTER LINE |
| CONC | CONCRETE |
| CMU | CONCRETE MASONRY UNITS |
| CONT. | CONTINUE |
| D | DEPTH |
| DTL | DETAIL |
| DN | DOWN |
| DWG | DRAWING |
| EC | ELECTRICAL CONTRACTOR |
| ELEV | ELEVATION |
| EQUIP | EQUIPMENT |
| EXIST | EXISTING |
| FE | FIRE EXTINGUISHER |
| FIN | FINISH |
| FLR | FLOOR |
| GALV | GALVANIZED |
| GC | GENERAL CONTRACTOR |
| GYSUM | GYP. BOARD |
| HC | HEATING CONTRACTOR |
| HP | HIGH POINT |
| HM | HOLLOW METAL |
| HT | HEIGHT |
| LAND'G | LANDING |
| LP | LOW POINT |
| MECH | MECHANICAL |
| MO | MASONRY OPENING |
| NIC | NOT IN CONTRACT |
| PC | PLUMBING CONTRACTOR |
| PMF | PRE-HOLDED FILLER |
| PTD | PAINTED |
| RWC | RAINWATER CONDUCTOR |
| TEMP | TEMPERED |
| TYP | TYPICAL |
| VCT | VINYL COMPOSITION TILE |
| W | WIDTH |
| W/W | WELDED WIRE MESH |
| WM | WELDED WIRE MESH |
| C.J. | CONSTRUCTION JOINT |
| CLJ | CONTROL JOINT |
| TWHP | THRU WALL HEAT PUMP |

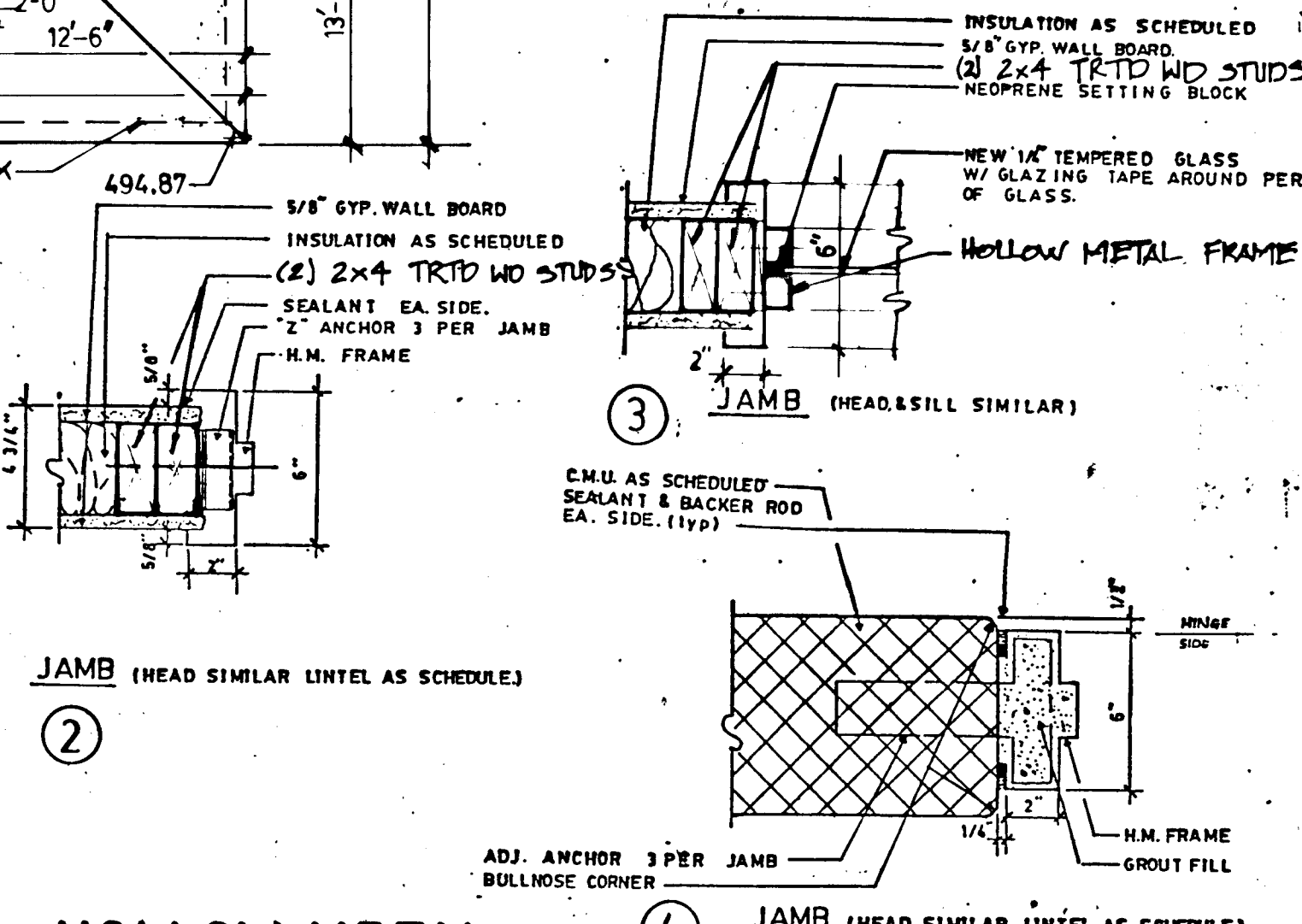
FLOOR PLAN

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



DOOR ELEVATIONS

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



HOLLOW METAL DOOR & WINDOW JAMB & HEAD DETAILS

NOT TO SCALE

INDICATORS

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

- NOTE**
- EXISTING WALL
 - EXISTING DOOR
 - LINTEL TYPE
 - NEW DOOR
 - DOOR TYPE
 - FRAME DETAIL
 - EXISTING WALL
 - DEMOLITION
 - WINDOW TYPE

LINTEL SCHEDULE

| NO. | TYPE | DESCRIPTION | REMARKS |
|-----|------|--|----------|
| L-1 | I | W 8 x 21 W 5/16 x 11" CONT. BOTTOM PLATE | 12" WALL |
| L-2 | II | (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

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James A. ...
DIRECTOR OF PUBLIC WORKS

Paul ...
CHIEF, BUREAU OF ENGINEERING

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

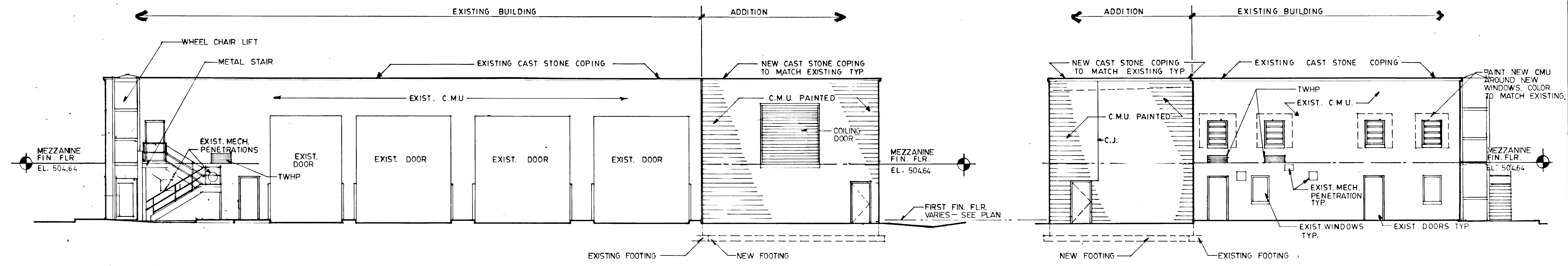
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|-------------|---------------|
| DES: R.L.L. | DATE: 6/10/94 |
| DRN: D.J.R. | BY: NO. |
| CHK: R.L.L. | REVISION |

FLOOR PLAN

600 SCALE MAP NO. _____ BLOCK NO. _____

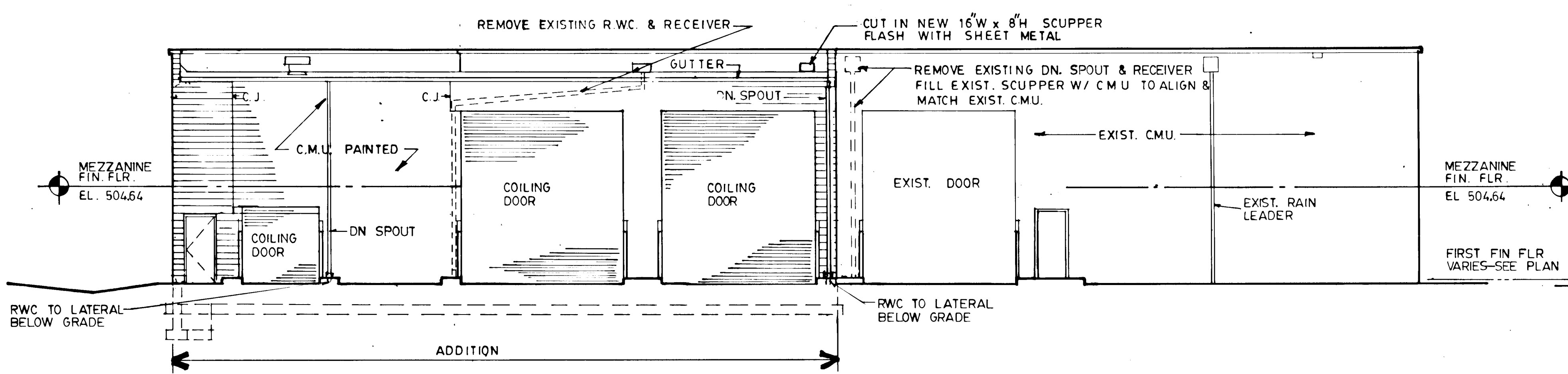
ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: C0190 D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
A1
5 OF 15

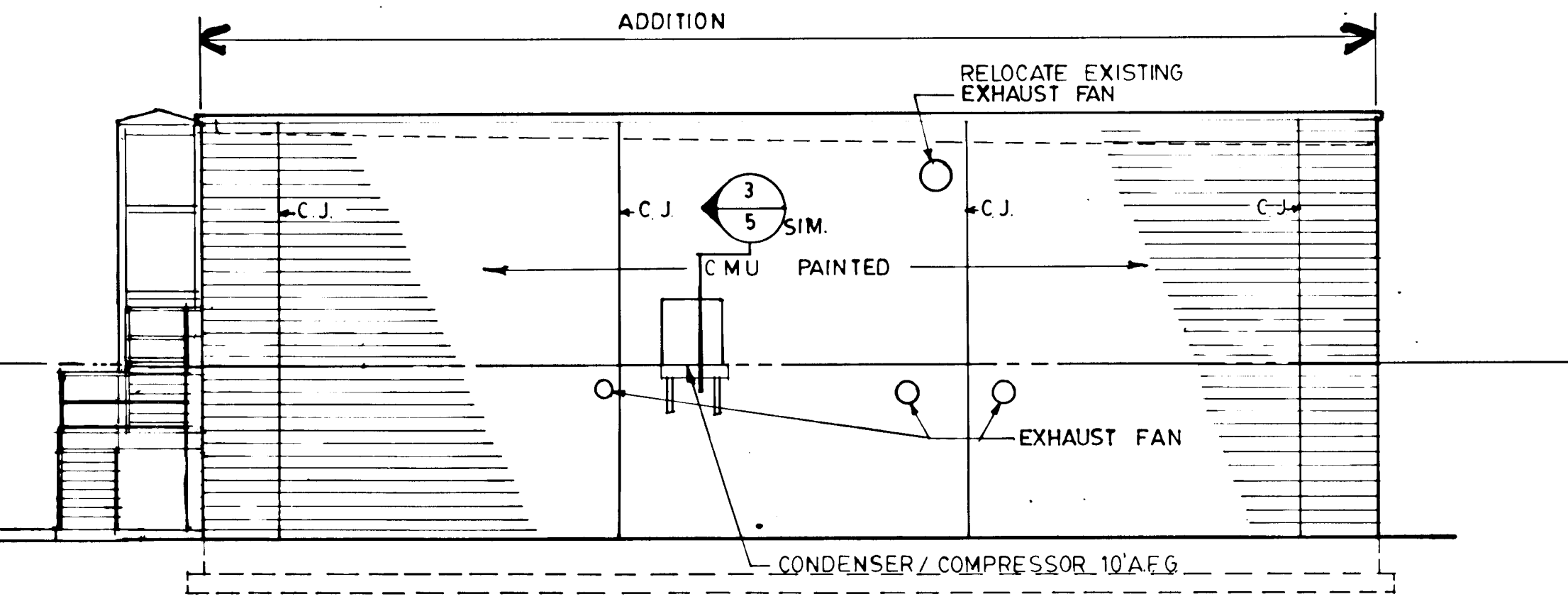


C NORTH ELEVATION
A-1 SCALE: 1/8" = 1'-0"

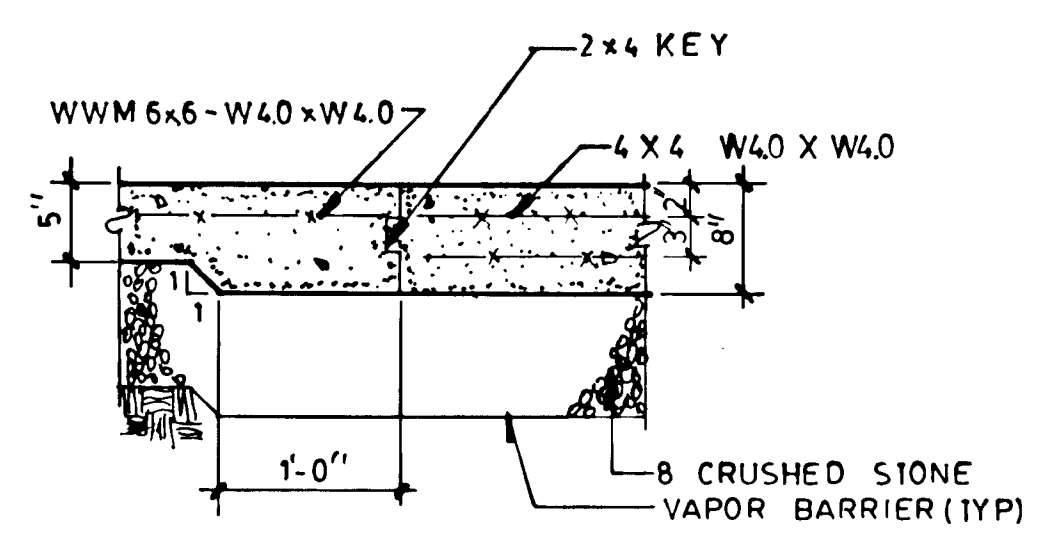
E EAST ELEVATION
A-1 SCALE: 1/8" = 1'-0"



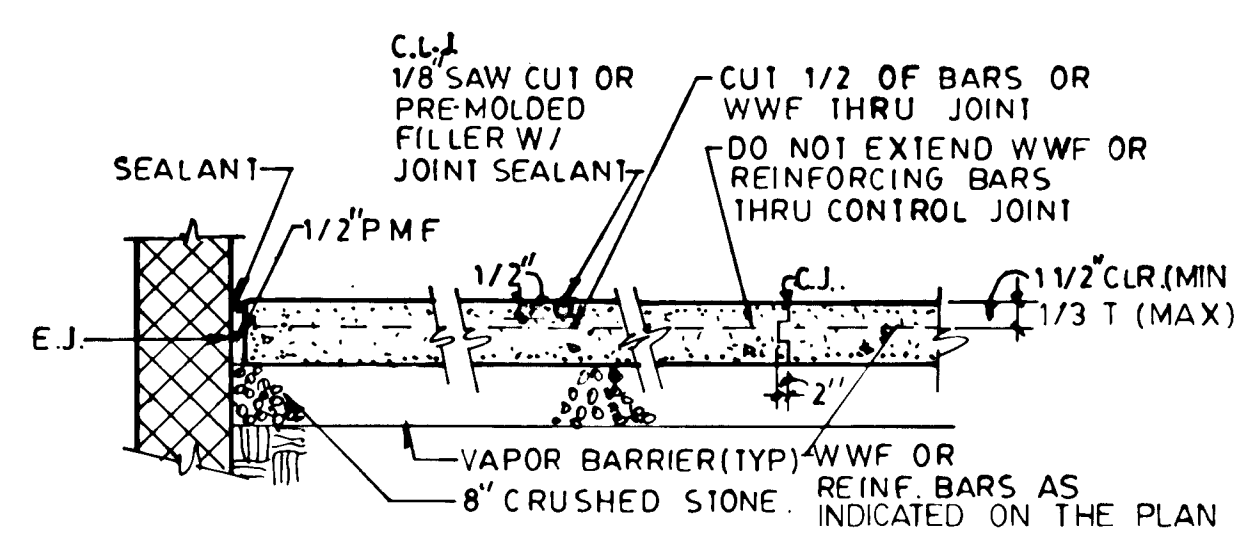
D SOUTH ELEVATION
A-1 SCALE: 1/8" = 1'-0"



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" - 1997 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
 - B. CONCRETE - 28 DAY STRENGTH (EXCEPT FLOOR SLABS-ON-GRADE) F'C = 4000 PSI
 - STRUCTURAL STEEL**
 - 1. **MATERIALS**
 - A. STRUCTURAL STEEL AND PLATE ASTH A-36
 - B. ANCHOR BOLTS ASTH A-307
 - C. HIGH STRENGTH BOLTS ASTH 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 GIRDERS, 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 1-5, 22 GAGE, GALV. STEEL DECK MINIMUM PROPERTIES SHALL BE: T₁ = 0.127 IN., S₁ = 0.129 IN., S₂ = 0.140 IN.
 - B. FLOOR DECK SHALL BE 9/16", 28 GAGE, GALV. STEEL DECK; MINIMUM PROPERTIES SHALL BE: T₁ = 0.012 IN., S₁ = 0.036 IN., S₂ = 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.

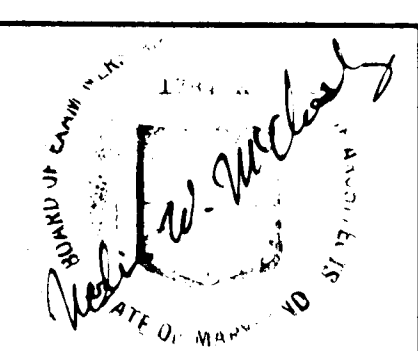
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DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James P. ... DATE *6/19/94*
DIRECTOR OF PUBLIC WORKS

... DATE
CHIEF, BUREAU OF ENGINEERING

acer
Acar 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 |

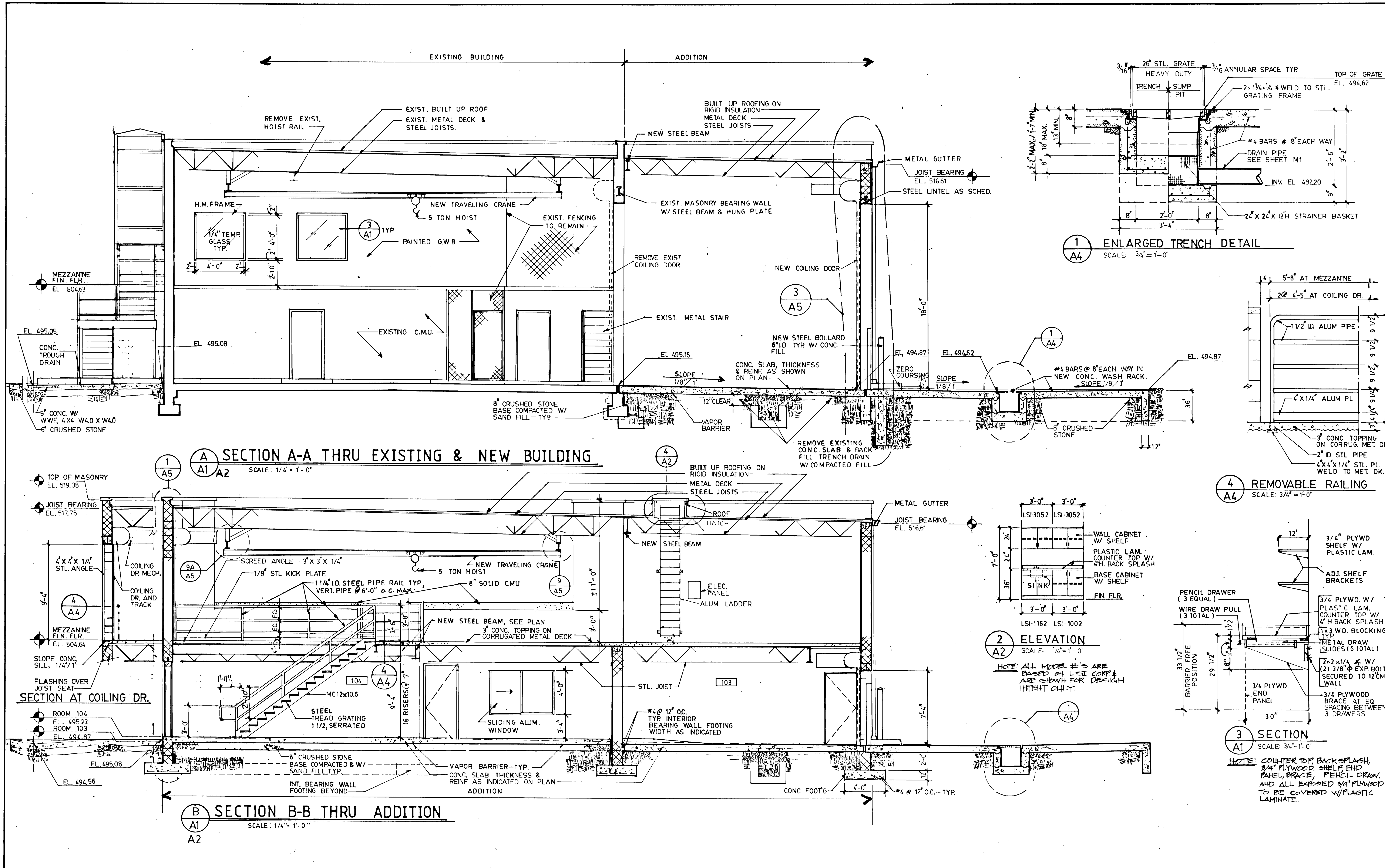
ELEVATIONS

600' SCALE MAP NO. _____ BLOCK NO. _____

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

SCALE AS SHOWN
A 3
7 OF 15

XXAL-94-007



880

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

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270 Granite Run Drive
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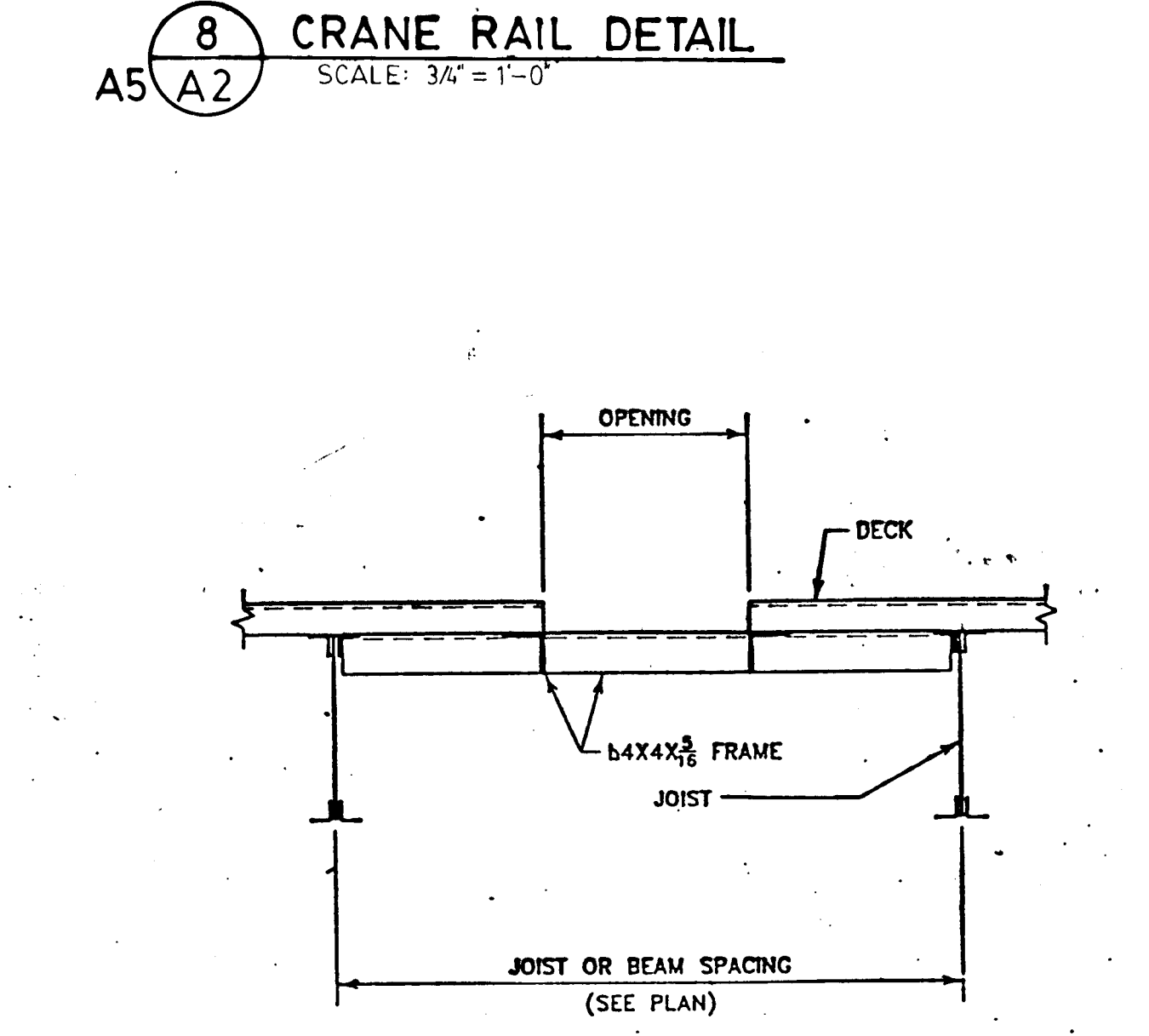
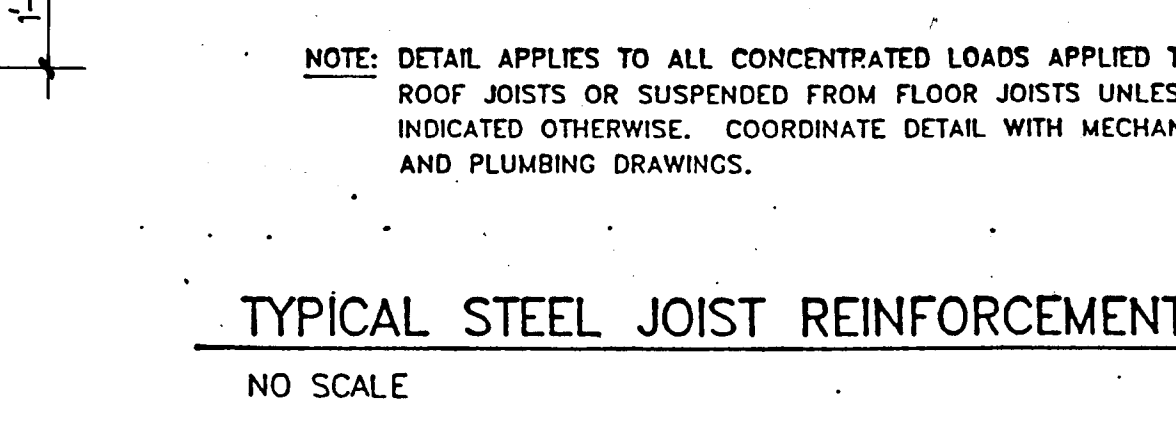
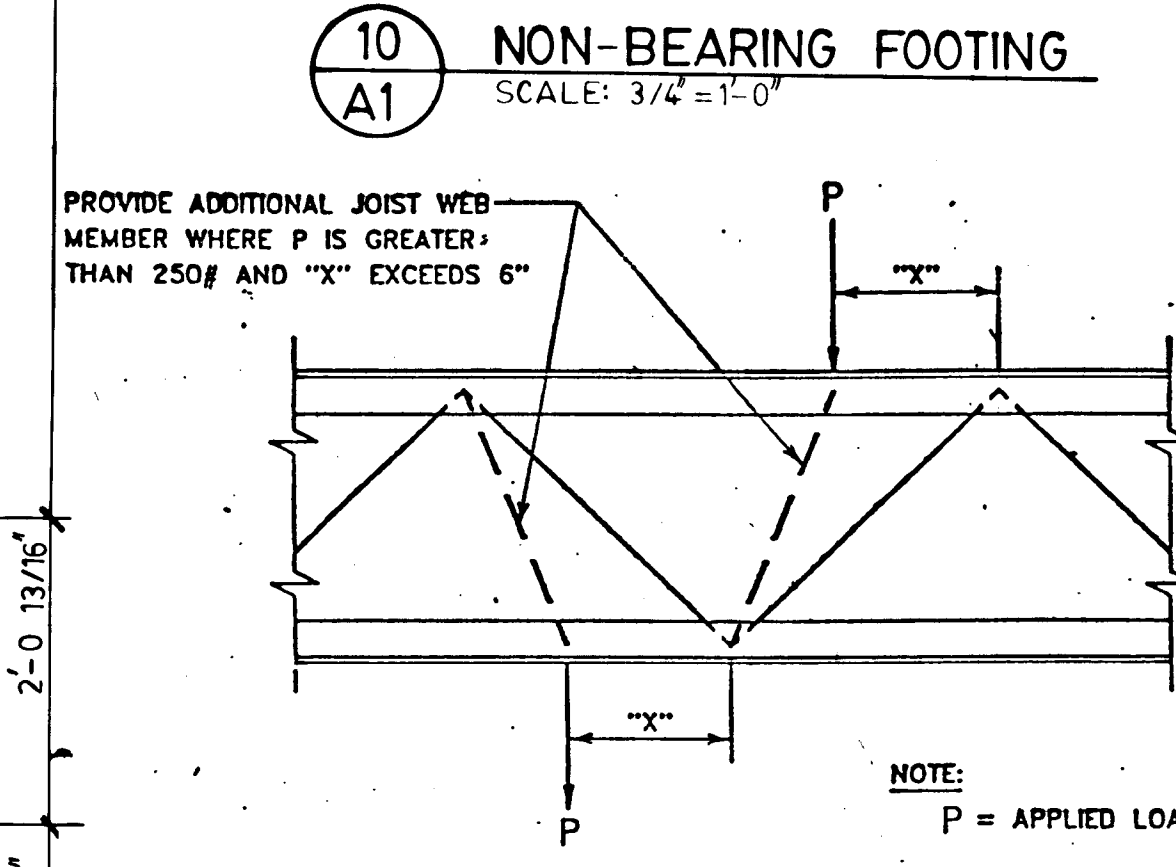
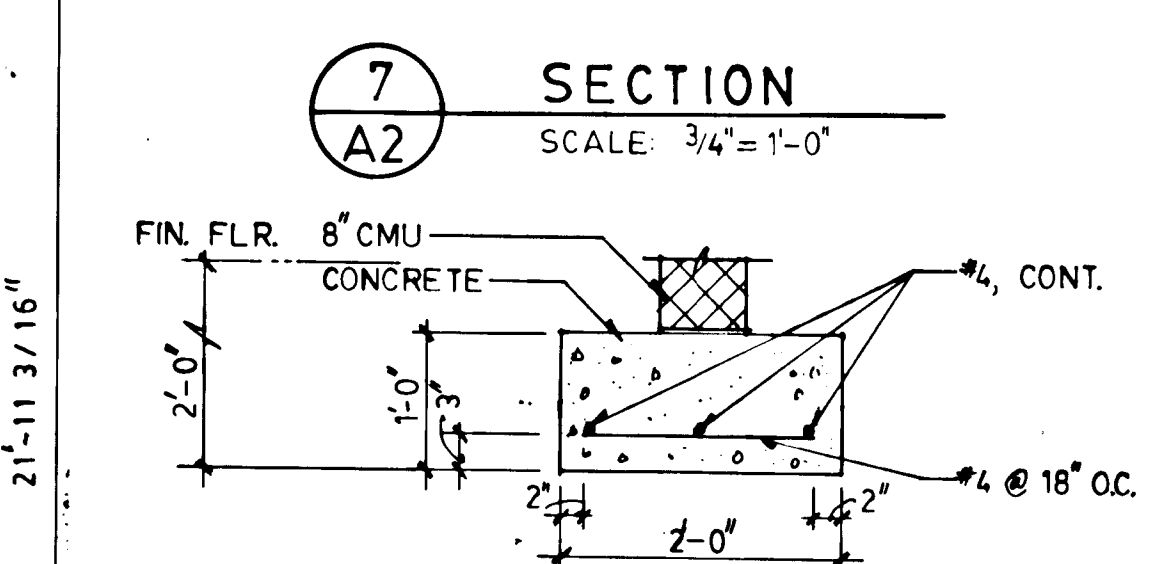
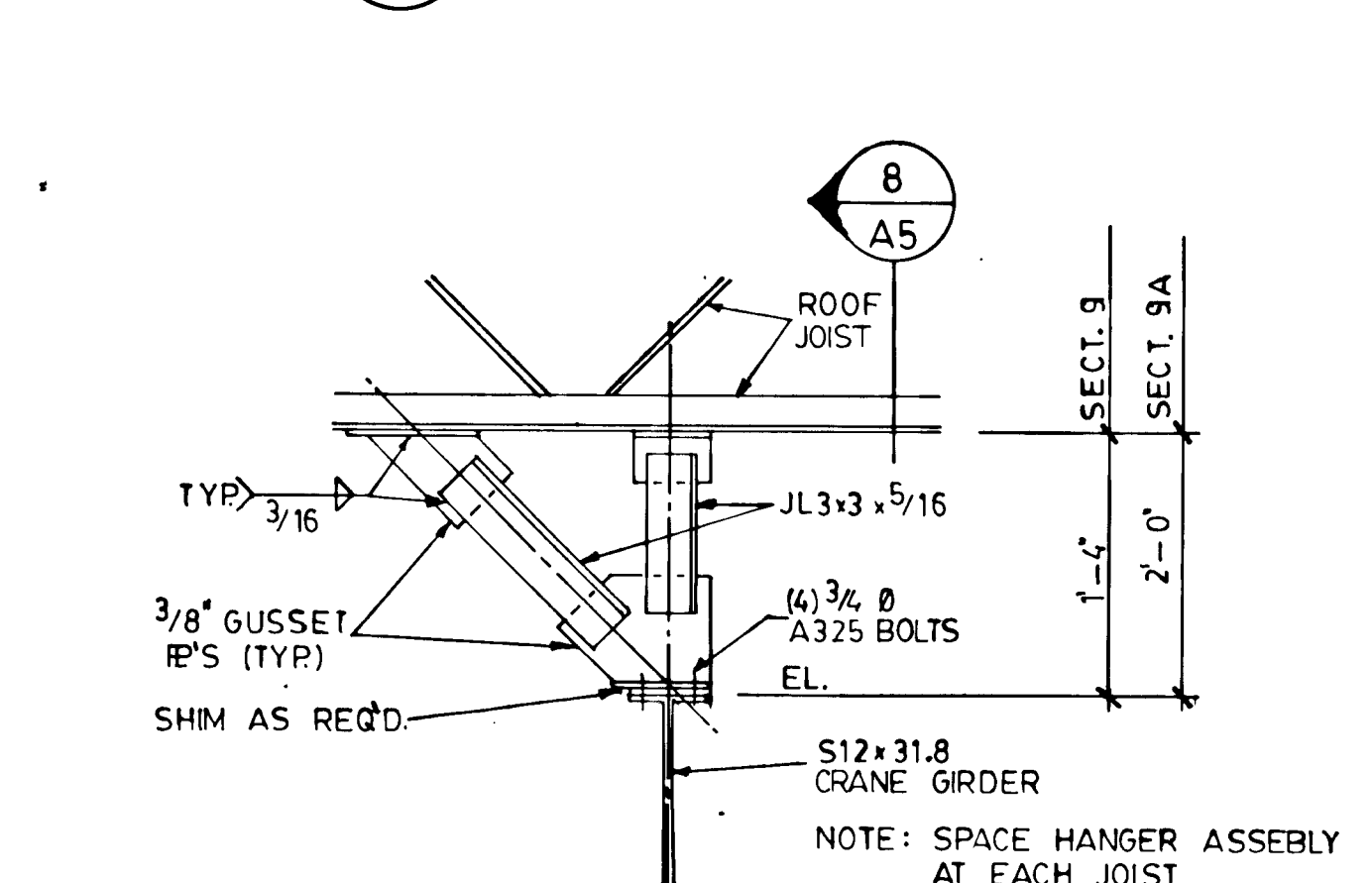
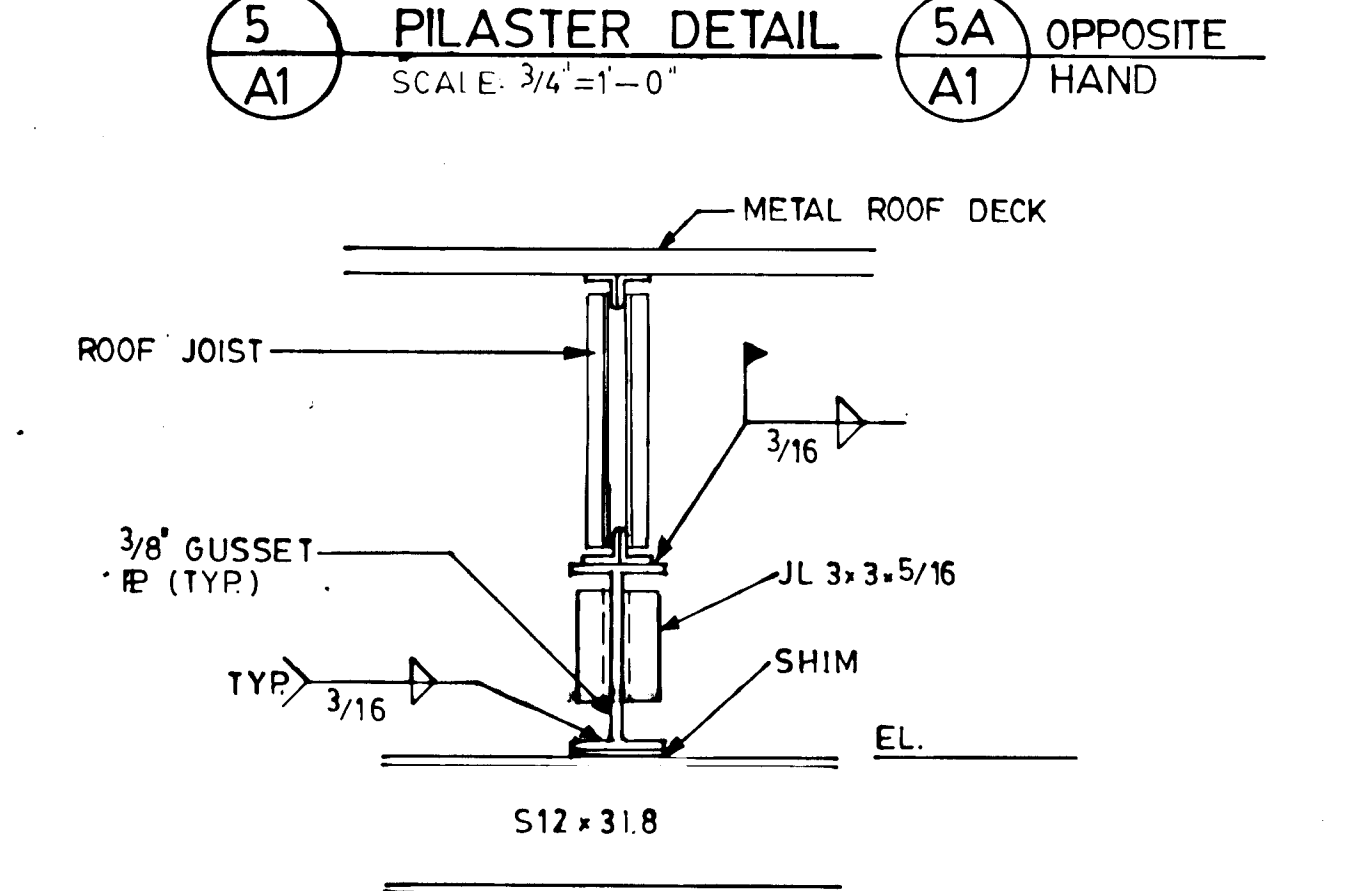
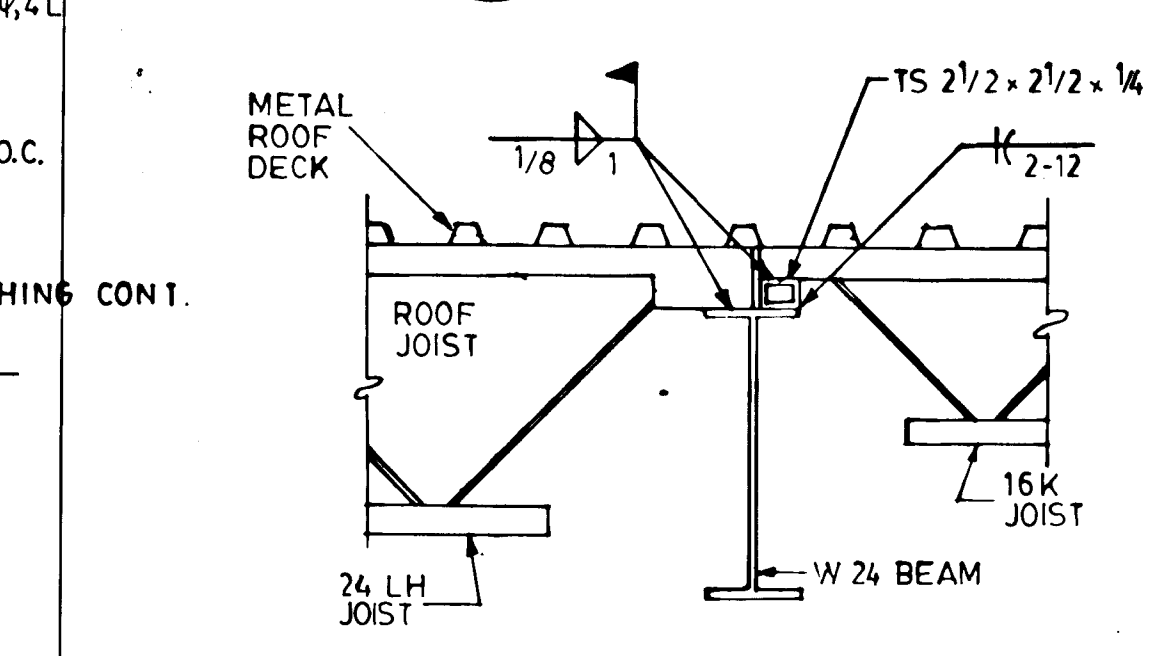
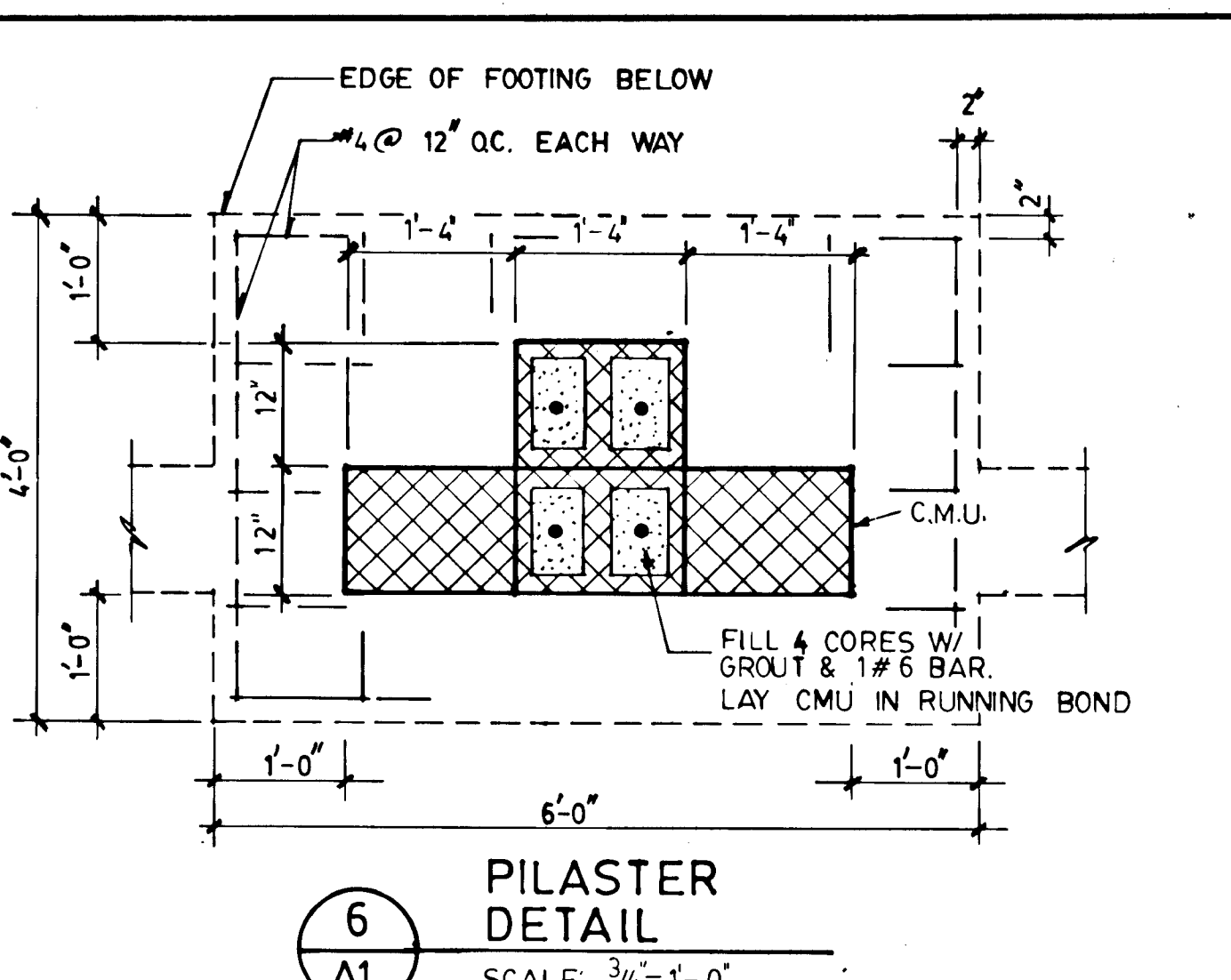
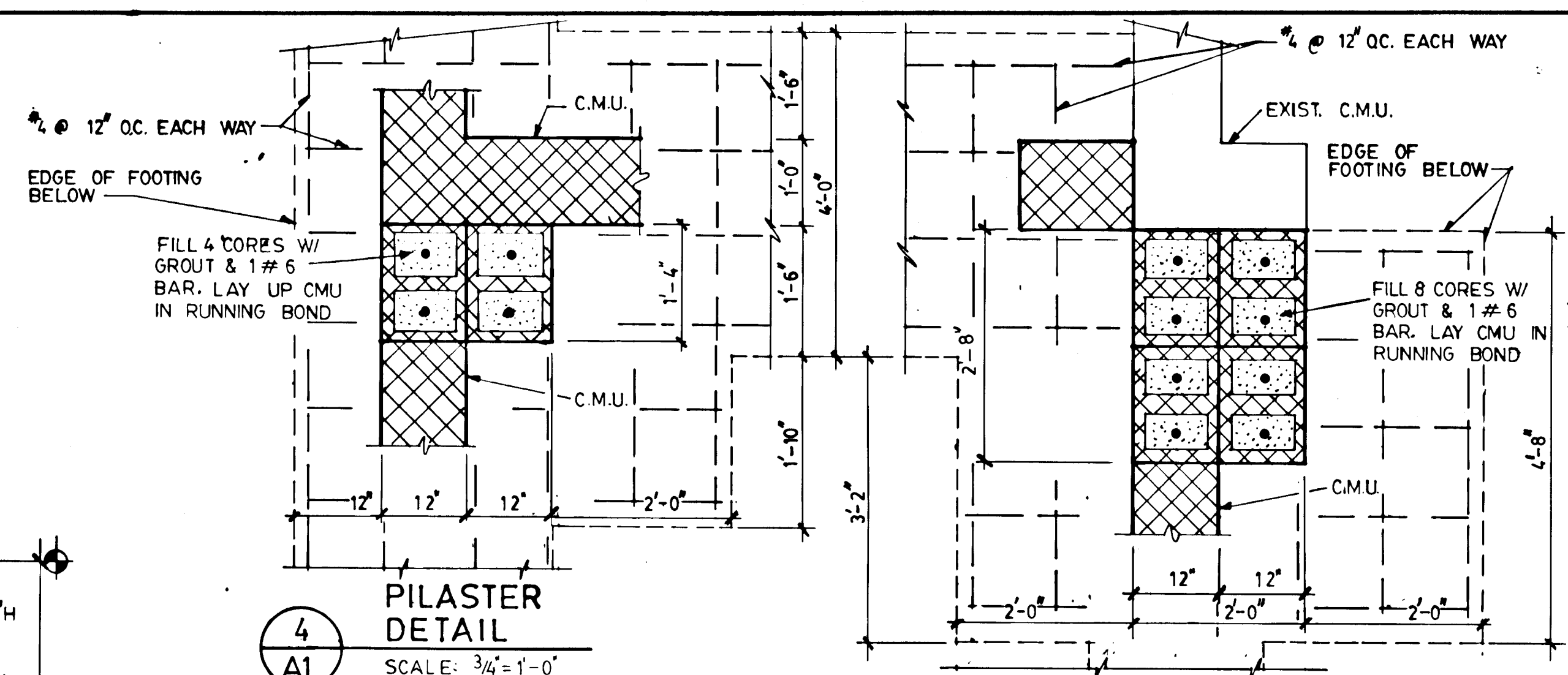
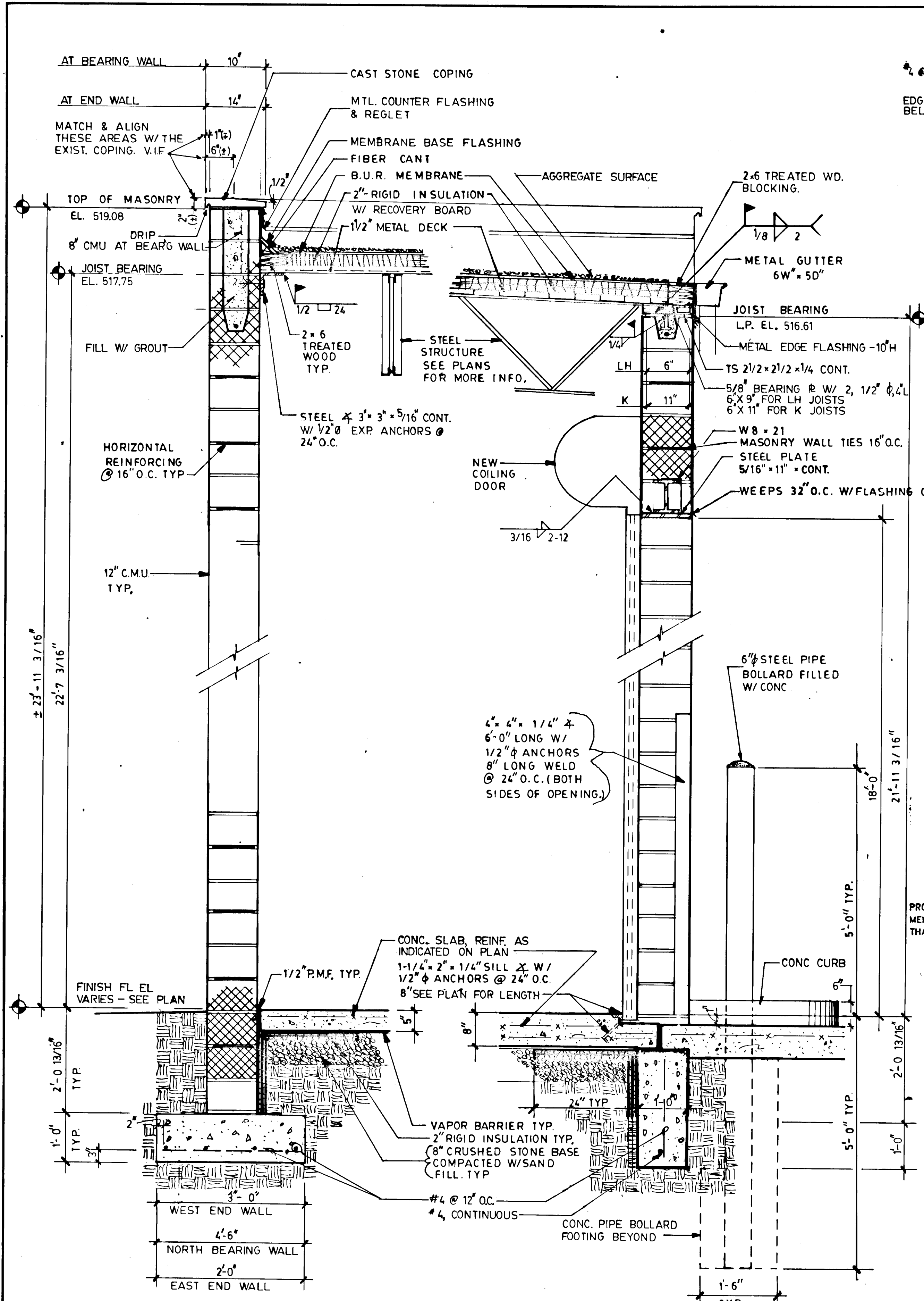
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| DES: R.L.L. | | | | | |
| DRN: D.J.R. | | | | | |
| CHK: R.L.L. | | | | | |
| DATE: 6/10/94 | BY: NO. | REVISION | DATE | 600' SCALE MAP NO. | BLOCK NO. |

SECTIONS

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

SCALE AS SHOWN
A4
8 OF 15

XXAL-94-008



| PLATE MARK | t | B | N | t = THICKNESS |
|------------|------|--------|-----|--------------------|
| BP1 | 3/8" | 6" | 4" | B = WIDTH |
| BP2 | 7/8" | 10" | 9" | N = BEARING LENGTH |
| 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 TYP. SECTION @ OVERHEAD DOORS
SCALE: 3/4" = 1'-0"

3 TYP. SECTION @ OVERHEAD DOORS
SCALE: 3/4" = 1'-0"

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND

James A. ... 6/14/94
DIRECTOR OF PUBLIC WORKS DATE

Robert ... 6/14/94
CHIEF, BUREAU OF ENGINEERING DATE

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

Robert ...

| | | | |
|----------------------|----|-----|----------|
| DES: R.L.L. | | | |
| DRN: D.J.R. & D.A.C. | | | |
| CHK: R.L.L. | | | |
| DATE: 6/10/94 | BY | NO. | REVISION |

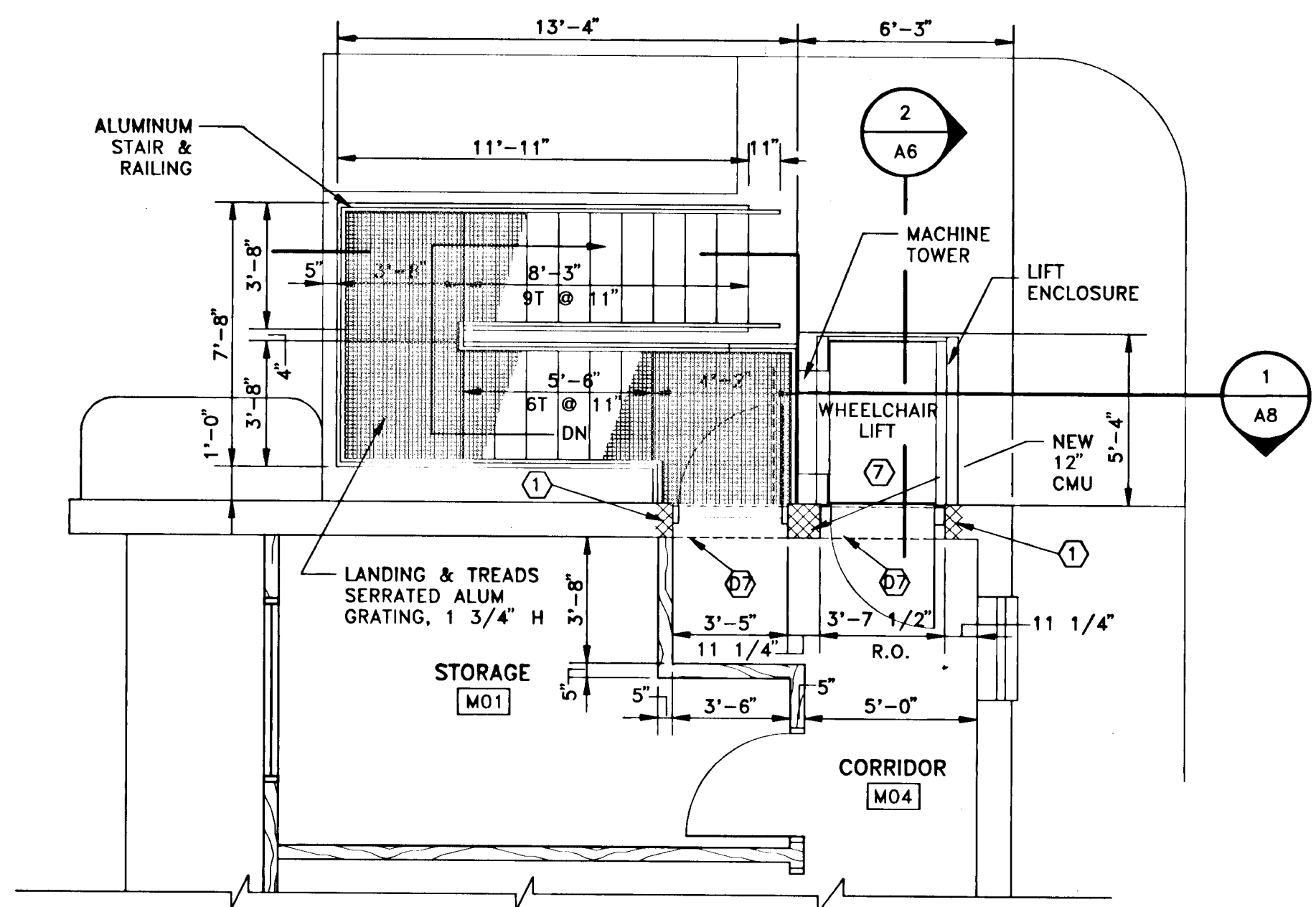
WALL SECTIONS AND DETAILS

600' SCALE MAP NO. _____ BLOCK NO. _____

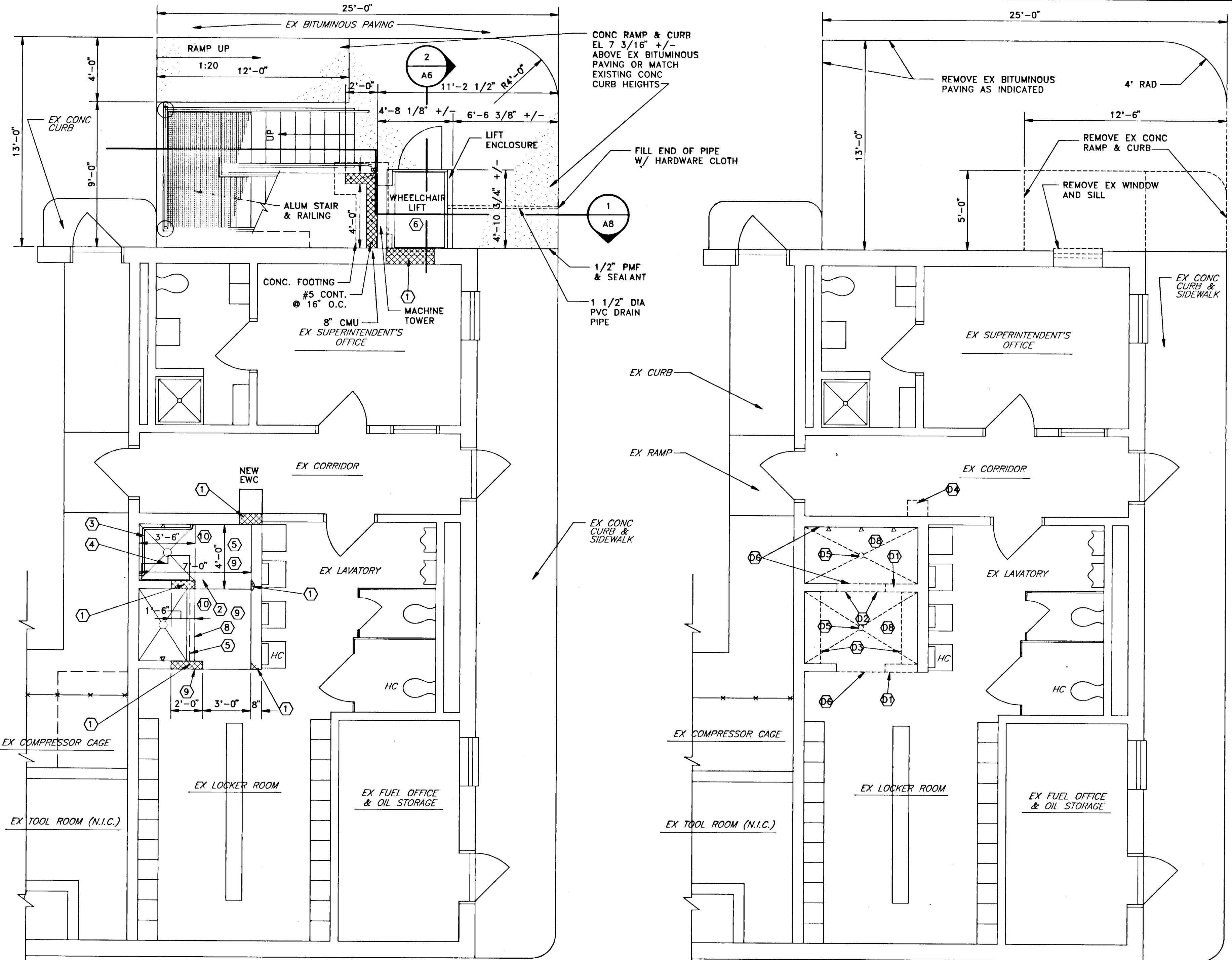
ALPHA RIDGE LANDFILL
MAINTENANCE FACILITY
capital project: C0190 D
HOWARD COUNTY, MARYLAND

SCALE AS SHOWN
A5
9 OF 15

XXAL-94-009

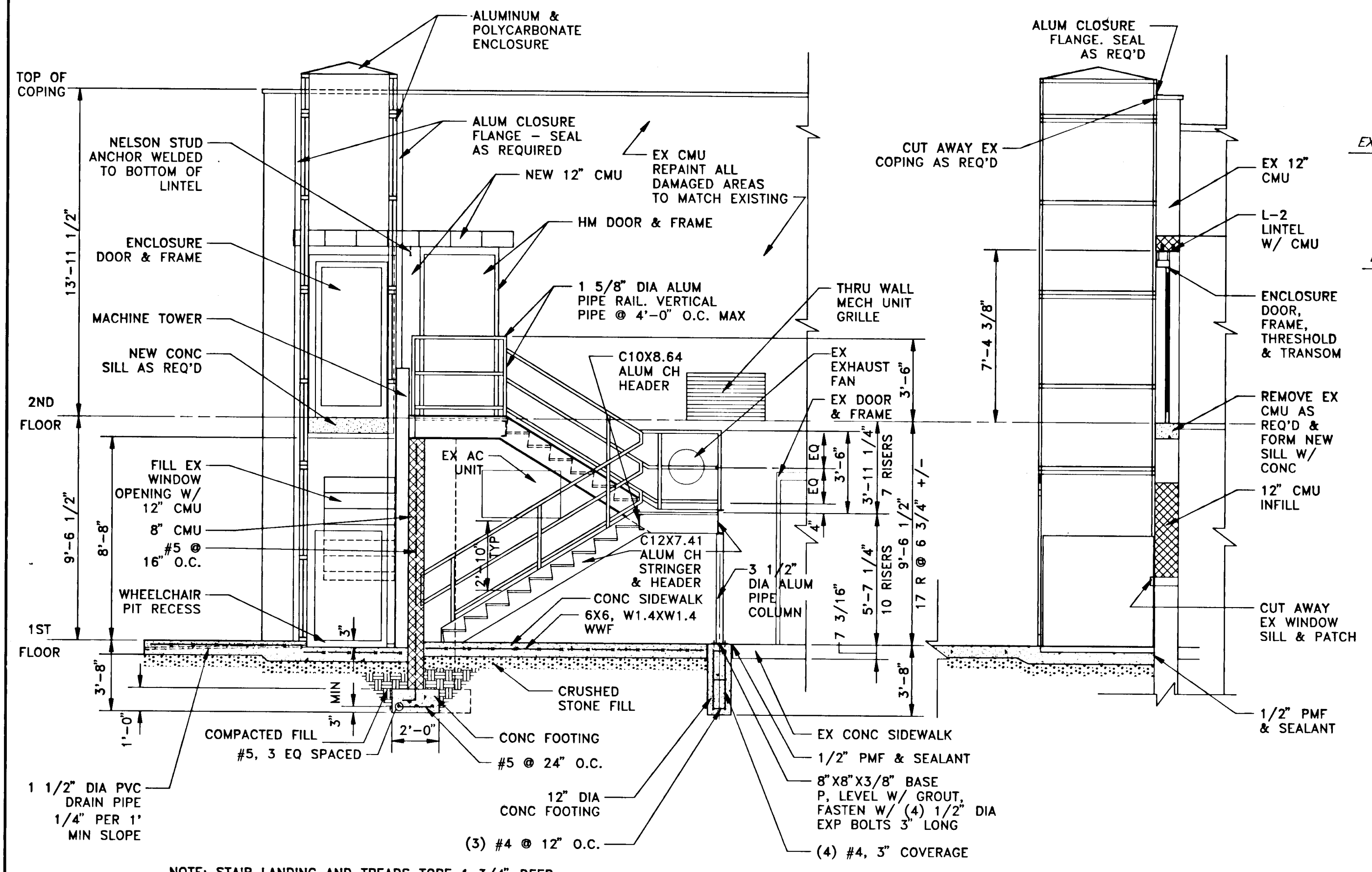


**SECOND FLOOR
NEW WORK PLAN**
1/4" = 1'-0"



**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.

Dwg. Name: 007-02063 Last Revised: 05/23/94 17:02

DEPARTMENT OF PUBLIC WORKS
 HOWARD COUNTY, MARYLAND
 Director of Public Works: *[Signature]* Date: *6/18/94*
 Chief, Bureau of Engineering: *[Signature]*

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

[Handwritten Signature]
 Date: 6/10/94

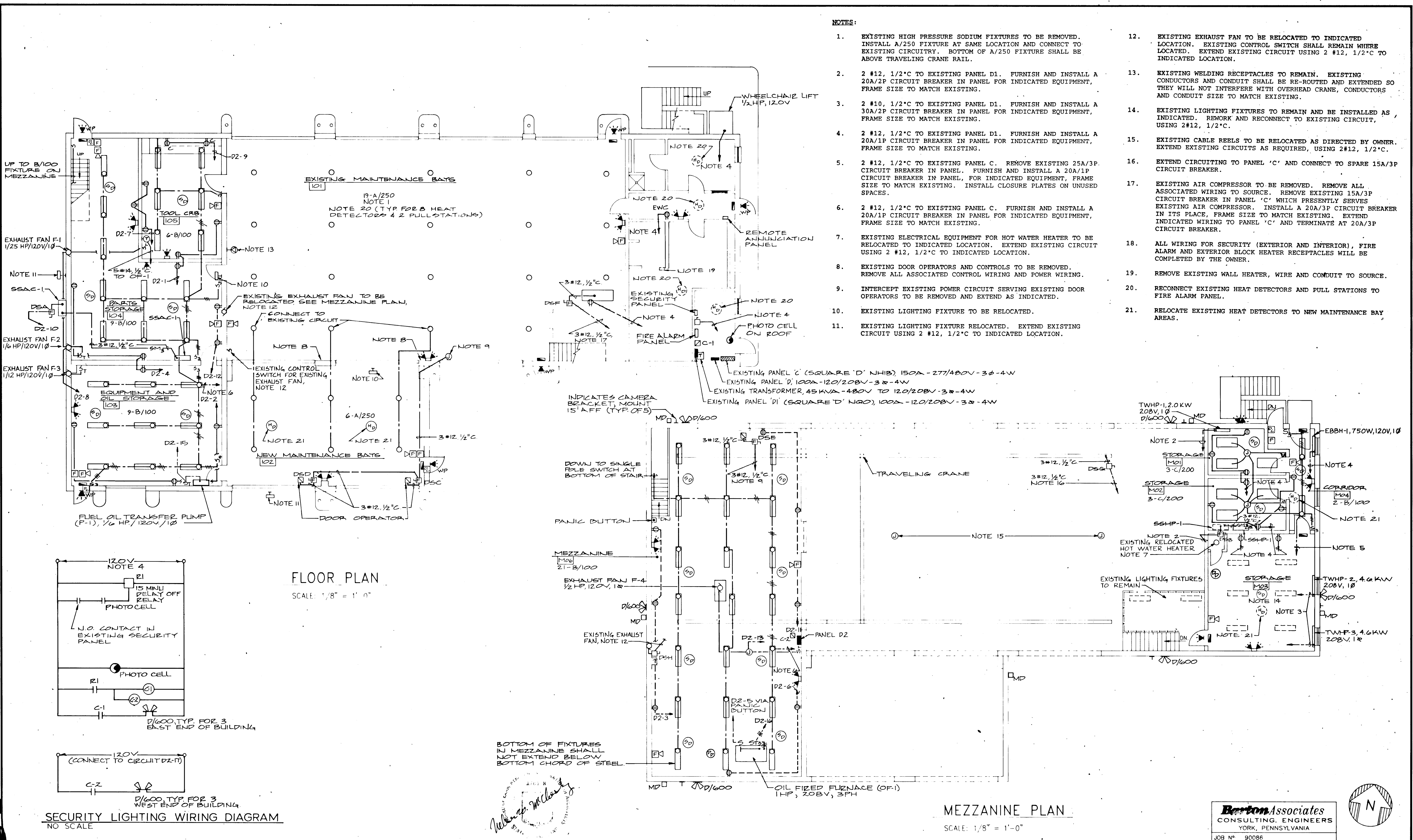
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|-------|---------|----|-----|----------|------|
| DES: | RL | | | | |
| DRN: | CADD | | | | |
| CHK: | NWM | | | | |
| DATE: | 6/10/94 | BY | NO. | REVISION | DATE |

**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 15

XXAL-94-010



166 21 130
330

DEPARTMENT OF PUBLIC WORKS
HOWARD COUNTY, MARYLAND
Director of Public Works: *John A. Lee* dated *6/14/94*
Chief, Bureau of Engineering: *Paul J. Spore* dated *6/14/94*

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



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

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

Barton Associates
CONSULTING ENGINEERS
YORK, PENNSYLVANIA
JOB NO. 90086

XXAL-94-600

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