

1435124 (D)

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Hardee County

Sanitary Landfill

For

Board Of County Commissioners

MAURICE HENDERSON	CHAIRMAN
SAMUEL L. RAWLS	VICE-CHAIRMAN
BENNY W. ALBRITTON	COMMISSIONER
ROLAND L. SKIPPER	COMMISSIONER
JOHN ROY GOUGH	COMMISSIONER
HARRY E. LAMPE, P.E.	COUNTY ADMINISTRATOR & COUNTY ENGINEER
JEFFREY J. MCKIBBEN	COUNTY ATTORNEY

85.76
87.66
80.76
84.72
80.76

REC
JUN 06 1997

RECORD DRAWING

NOTE: The information presented hereon is based upon drawings, specifications, addenda, shop drawings, modifications, etc. annotated by the contractor during the construction period to reflect the in-situ parameters of the improvements he constructed.

The Engineer, Envisors, Inc., is not responsible for the accuracy or validity of the Record Drawing information depicted hereon.

FILE COPY - ONLY COPY

Engineering
ENVISORS, Inc.
ad

MARGATE • TAMPA • WINTER HAVEN, FLORIDA

CONSULTING ENGINEERS

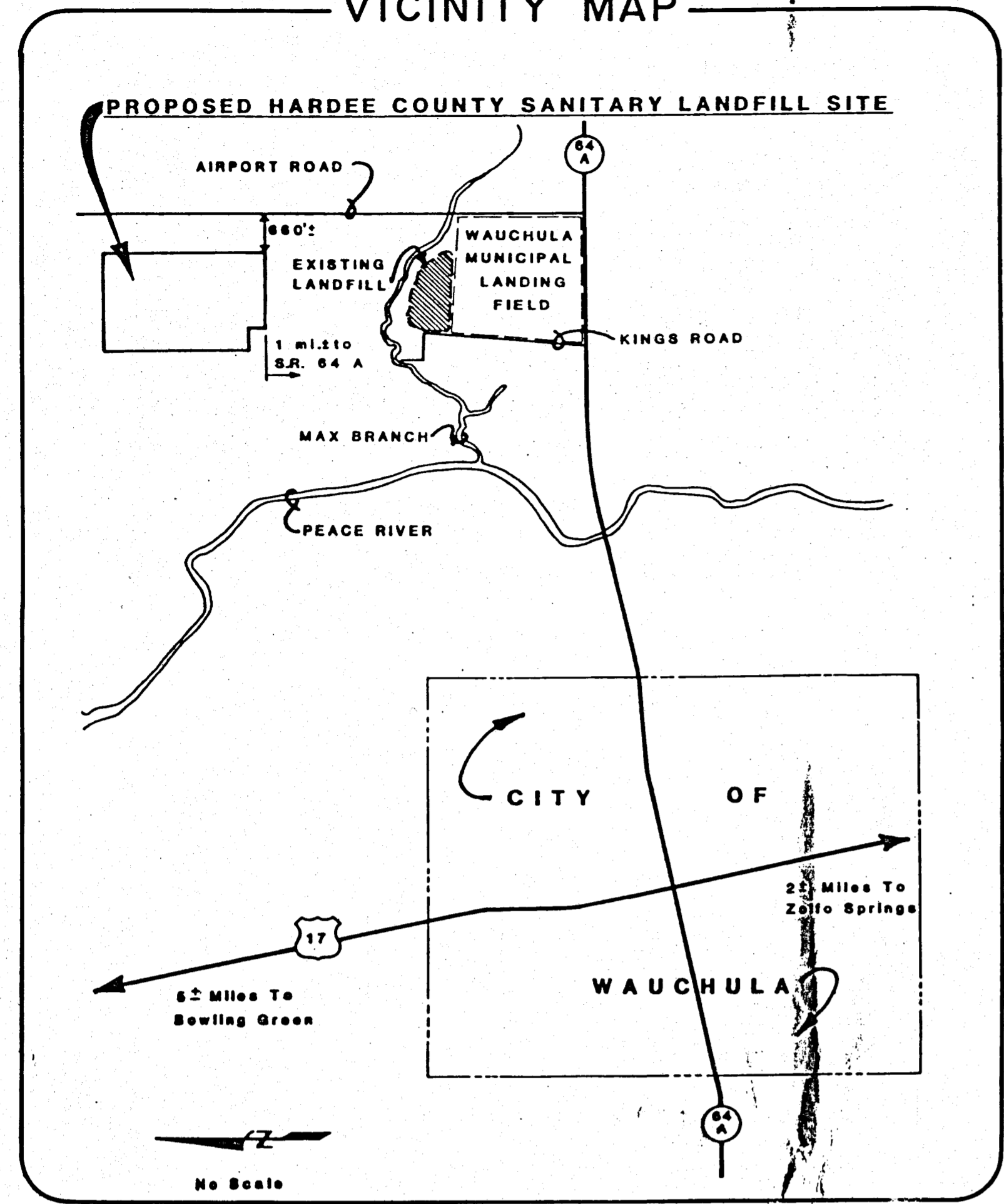
DOUGLAS M. DARDEN
FLORIDA PROFESSIONAL ENGINEER NO. 13097

D.E.P.
JUN - 6 1997

PROJECT NO. 81014-82(1)
DATE NOVEMBER 1982

SET NO.

VICINITY MAP



GENERAL NOTES

- 1) LOCATIONS, ELEVATIONS, AND DIMENSIONS OF EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES ARE SHOWN ACCORDING TO THE BEST INFORMATION AVAILABLE AT THE TIME OF PREPARATION OF THESE DRAWINGS BUT DO NOT PURPORT TO BE ABSOLUTELY CORRECT. THE CONTRACTOR SHALL VERIFY LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES, AND OTHER FEATURES AFFECTING HIS WORK PRIOR TO CONSTRUCTION.
- 2) THE CONTRACTOR SHALL NOTIFY THE ENGINEER IMMEDIATELY WHEN CONFLICT BETWEEN THE DRAWINGS AND ACTUAL CONDITIONS ARE DISCOVERED DURING THE COURSE OF CONSTRUCTION OF ANY IMPROVEMENTS SHOWN ON THESE DRAWINGS.
- 3) IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO VISIT THE SITE PRIOR TO BIDDING THE WORK AND TO PERFORM SUCH TESTS, STUDIES, AND SURVEYS AS HE DEEMS NECESSARY TO SATISFY HIMSELF AS TO THE ACTUAL SURFACE AND SUBSURFACE CONDITIONS EXISTING AT THE SITE. ACTUAL CONDITIONS DIFFERENT FROM THOSE SHOWN ON THE DRAWINGS SHALL NOT CONSTITUTE GROUNDS FOR AN EXTRA.
- 4) ALL CONCRETE SHALL BE 3,750 PSI UNLESS OTHERWISE INDICATED AND SHALL BE IN CONFORMANCE WITH THE LATEST A.C.I. CODE REQUIREMENTS.
- 5) ALL ELEVATIONS ARE REFERRED TO THE MEAN SEA LEVEL DATUM OF THE NATIONAL GEODETIC DATUM.
- 6) ALL COMPACTED BACKFILL, WHERE INDICATED, SHALL BE COMPACTED IN EIGHT (8") MAXIMUM LAYERS AT 98 PERCENT DENSITY OF THE ORIGINAL UNDISTURBED MATERIAL IN CONFORMANCE WITH ASTM D1557, METHOD "A".
- 7) ALL HOSE BIBBS SHOWN ON PLANS SHALL RECEIVE AN ANTI-SIPHON VACUUM BREAKER, WATTS SERIES 288A OR EQUAL.
- 8) FINISHED GRADE FOR GROUND ELEVATIONS ON DRAWINGS REFER TO GRADE AFTER SOODINGS.
- 9) THE CONTRACTOR SHALL PROVIDE AT LEAST 48 HOURS NOTICE TO THE VARIOUS UTILITY COMPANIES IN ORDER TO PERMIT THE LOCATION OF EXISTING UNDERGROUND UTILITIES IN ADVANCE OF CONSTRUCTION.
- 10) AERIAL SURVEY FLOWN ON FEBRUARY 1982. SUBSEQUENT EVENTS MAY HAVE ALTERED INFORMATION PRESENTED HEREON AND NEITHER THE COUNTY NOR THE ENGINEER MAY BE HELD RESPONSIBLE FOR SUCH CHANGES. THE CONTRACTOR IS REQUESTED TO VERIFY ALL FIELD CONDITIONS AND ADVISE THE ENGINEER OF ANY CHANGES.
- 11) SUBSURFACE SOILS INFORMATION PRESENTED HEREIN REPRESENTS THE RESULTS OF FIELD WORK AND NEITHER THE ENGINEER NOR THE COUNTY MAY BE HELD RESPONSIBLE OR LIABLE FOR SUBSURFACE CONDITIONS THAT VARY FROM THE INFORMATION PRESENTED HEREIN.
- 12) BOUNDARY SURVEY SHOWN ON PLANS OF TOWNSHIP 33 SOUTH, RANGE 25 EAST, IN SECTION 35, DERIVED FROM SURVEY PERFORMED BY MARK P. PORTER, R.L.S., CHASTAIN-SKILLMAN, INC., LAKELAND FLORIDA, 9 DECEMBER 1981.
- 13) AERIAL PHOTOGRAMMETRY PERFORMED BY KUCERA & ASSOCIATES, INC., FEBRUARY 1982.

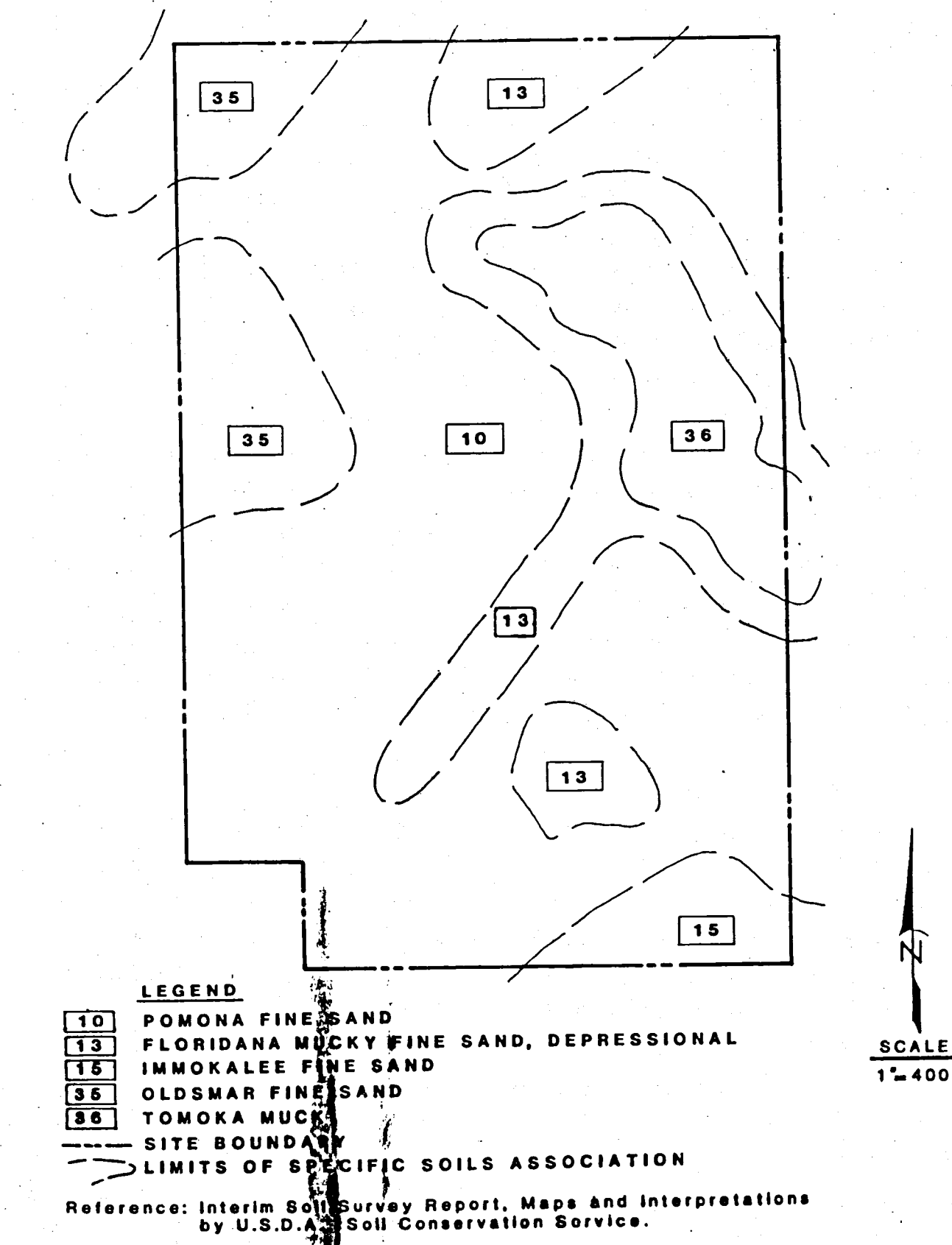
POTABLE WATER NOTES

- 1) ALL WATER MAINS SHALL HAVE A MINIMUM COVER OF 36 INCHES BELOW FINISHED GRADE AND SHALL BE LOCATED AS SHOWN ON THE DRAWINGS, UNLESS OTHERWISE DIRECTED BY THE ENGINEER. ALL WATER FACILITIES AND ACCESSORIES SHALL BE INSTALLED IN CONFORMANCE WITH THE "WATER STANDARDS" DRAWINGS AND THE REQUIREMENTS OF HARDEE COUNTY, THE FLORIDA DEPARTMENT OF ENVIRONMENTAL REGULATION (DER), AND THE HEALTH DEPARTMENT.
- 2) ALL PIPE, FITTINGS, SPECIALS, AND VALVES, INCLUDING LININGS AND COATINGS, PRESSURE TESTING, DISINFECTION, AND PIPE INSTALLATION SHALL CONFORM TO THE SPECIFICATIONS.
- 3) ALL WATER MAINS, WHERE INDICATED, UNLESS OTHERWISE SHOWN OR DIRECTED, SHALL BE POLYVINYL CHLORIDE (PVC) PIPE WITH PUSH-ON JOINTS. PIPE AND ACCESSORIES SHALL CONFORM TO PRODUCT STANDARDS 22-70 OR ASTM SPECIFICATIONS D-2241 AND D-1784, AS IT APPLIES TO CLASS 12453-B OR 12454-A PVC PLASTIC PIPE, SDR-26 AND A WORKING PRESSURE RATING OF 160 PSI AT 23°C (73.4). PIPE SHALL BE DESIGNED AND LAID IN CONFORMANCE WITH TRENCH LAYING CONDITION TYPE 2.
- 4) ALL GATE VALVES FOUR (4") TO 12 INCHES SHALL BE RESILIENT SEATED, CAST IRON BODY, AND SHALL BE FURNISHED WITH MECHANICAL JOINT ENDS AND SUITABLE FOR 200 PSI WORKING PRESSURE. GATE VALVES LARGER THAN 12 INCHES AND SMALLER THAN FOUR (4") SHALL BE OF THE CONVENTIONAL TYPE SUITABLE FOR 150 PSI WORKING PRESSURE AND BE IN CONFORMANCE WITH THE SPECIFICATIONS.
- 5) ALL TEES, CROSSES, BENDS (HORIZONTAL AND VERTICAL), DEFLECTING 11-1/4" OR MORE, PLUGS, FIRE HYDRANTS, AND OTHER APPURTENANCES FOUR (4") AND LARGER SHALL BE INSTALLED WITH A CONCRETE THRUST BLOCK OF THE SIZE SHOWN ON THE "WATER STANDARDS" DRAWINGS.
- 6) SPECIAL PIPE FOUNDATIONS, IF REQUIRED, SHALL BE DETERMINED IN THE FIELD AND THE TYPE REQUIRED WILL BE AS DIRECTED BY THE ENGINEER OR COUNTY.
- 7) AERIAL SURVEY FLOWN ON FEBRUARY 1982. SUBSEQUENT EVENTS MAY HAVE ALTERED INFORMATION PRESENTED HEREON AND NEITHER THE COUNTY NOR THE ENGINEER MAY BE HELD RESPONSIBLE FOR SUCH CHANGES. PROSPECTIVE BIDDERS ARE REQUIRED TO VERIFY CONDITIONS, ADVISE THE ENGINEER OF ANY CHANGES, AND ACCOUNT FOR ANY CHANGES IN THEIR CONSTRUCTION COST BID.
- 8) ALL FITTINGS FOR PVC OR C.I./D.I. WATER MAINS SHALL BE CAST IRON/DUCTILE IRON, SHORT BODY WITH MECHANICAL JOINTS, AND SHALL BE PROVIDED WITH HIGH STRENGTH CORROSION RESISTANT ALLOY, T-HEAD BOLTS, IN CONFORMANCE WITH THE SPECIFICATIONS.
- 9) ALL COLD WATER SERVICE CONNECTIONS SHALL BE POLYETHYLENE (P.E.) TUBING TYPE III, GRADE 3, CLASS 160. SINGLE SERVICE CONNECTIONS SHALL BE A MINIMUM OF ONE (1") P.E. AND DOUBLE SERVICE CONNECTIONS SHALL BE ONE AND ONE-HALF (1-1/2") P.E. AND SHALL BE INSTALLED IN CONFORMANCE WITH THE "WATER STANDARDS" DRAWINGS AND THE REQUIREMENTS OF HARDEE COUNTY.
- 10) A MINIMUM OF 18 INCHES VERTICAL CLEARANCE AND TEN FEET (10') HORIZONTAL CLEARANCE SHALL BE MAINTAINED BETWEEN ALL WATER AND SEWER LINES. WHEN THIS IS NOT POSSIBLE OR FEASIBLE, THE SANITARY LINE SHALL BE ENCASED IN SIX INCHES (6") OF CONCRETE FOR A DISTANCE OF TEN FEET - ZERO INCHES (10'-0") ON BOTH SIDES OF THE CONFLICT IN CONFORMANCE WITH THE "WATER STANDARDS" DRAWINGS.

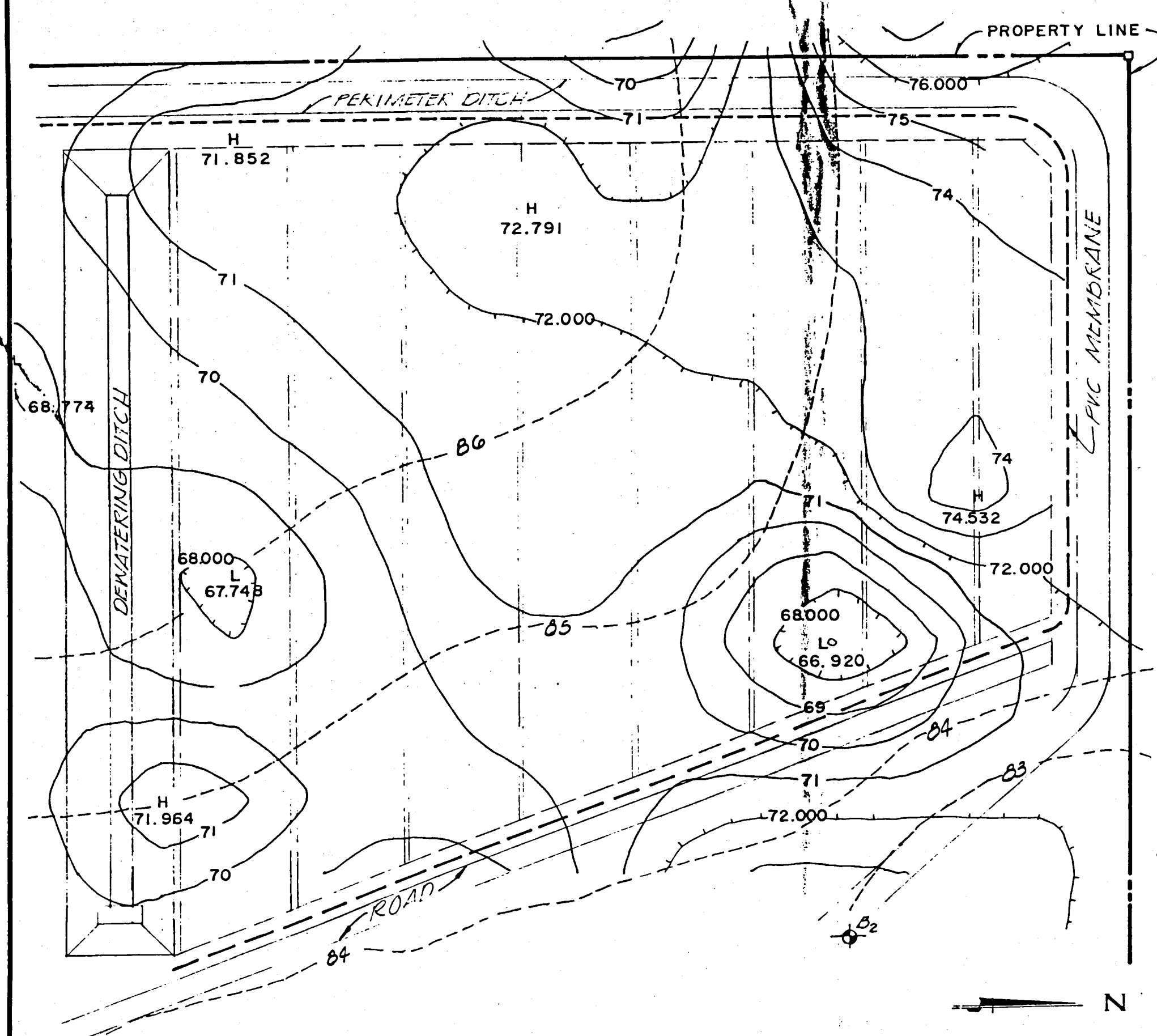
Designed	D. D.	
Drawn	C.S.L.	
Checked	D. D.	
Approved	D. D.	
Job No.	81014	
Date	10/82	
Revision		
Description		
HARDEE COUNTY, FLORIDA REGIONAL SANITARY LANDFILL GENERAL NOTES & VICINITY MAP Florida Registered Professional Engineer No. 13087 By: Chk. Date		

ENVISORS, Inc.
 Consulting Civil & Environmental Engineers
 Economists, and Planners
 WINTER HAVEN, TAMPA, & MARGATE, FLORIDA

RECORD DRAWING
 NOTE: The information presented hereon is based upon drawings, specifications, addenda, shop drawings, modifications, etc. and is not to be used by the contractor during the construction period to reflect the as-to parameters of the improvements he constructed.
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SURFACE SOILS ASSOCIATIONS PLAN



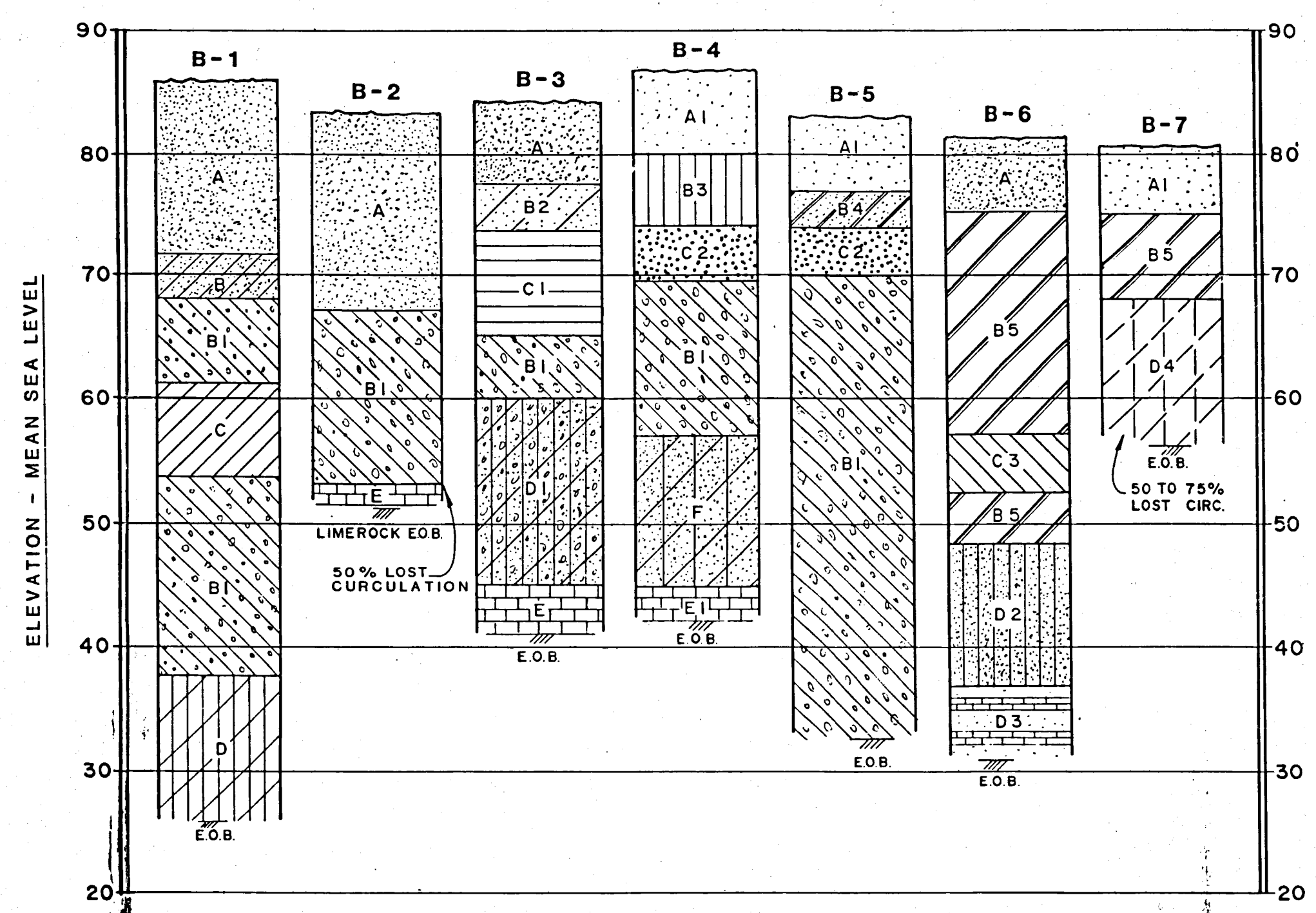
CLAY LAYER ELEVATIONS

NOTES

1) THIS FIGURE REPRESENTS THE RESULTS OF A REFRACTION SEISMIC SURVEY OF THE NORTHWEST CORNER OF THE SITE, PERFORMED BY ARMAC ENGINEERS, INC., 8430 NORTH 40TH STREET, TAMPA, FLORIDA 33604. THIS SURVEY WAS PERFORMED IN ORDER TO ESTABLISH THE EXISTENCE OF AND ESTIMATE THE DEPTH TO THE UNDERLYING CONFINING CLAY LAYER. CORRELATION WITH KNOWN SOIL DEPTH DATA WAS ESTABLISHED BY PERFORMING THE SURVEY IN CLOSE PROXIMITY TO PREVIOUSLY PERFORMED SPT BORINGS B-2 AND B-4. CHARACTERISTIC COMPRESSIVE WAVE VELOCITIES WERE ESTABLISHED FOR BOTH THE UPPER SURFICIAL SOILS AND UNDERLYING CLAY SOILS. THESE AVERAGE COMPRESSION WAVE VELOCITIES WERE FOUND TO BE 1362 AND 4824, RESPECTIVELY. THIS HIGH VELOCITY DIFFERENTIAL WAS USED TO IDENTIFY THESE SEPARATE SOIL STRATA.

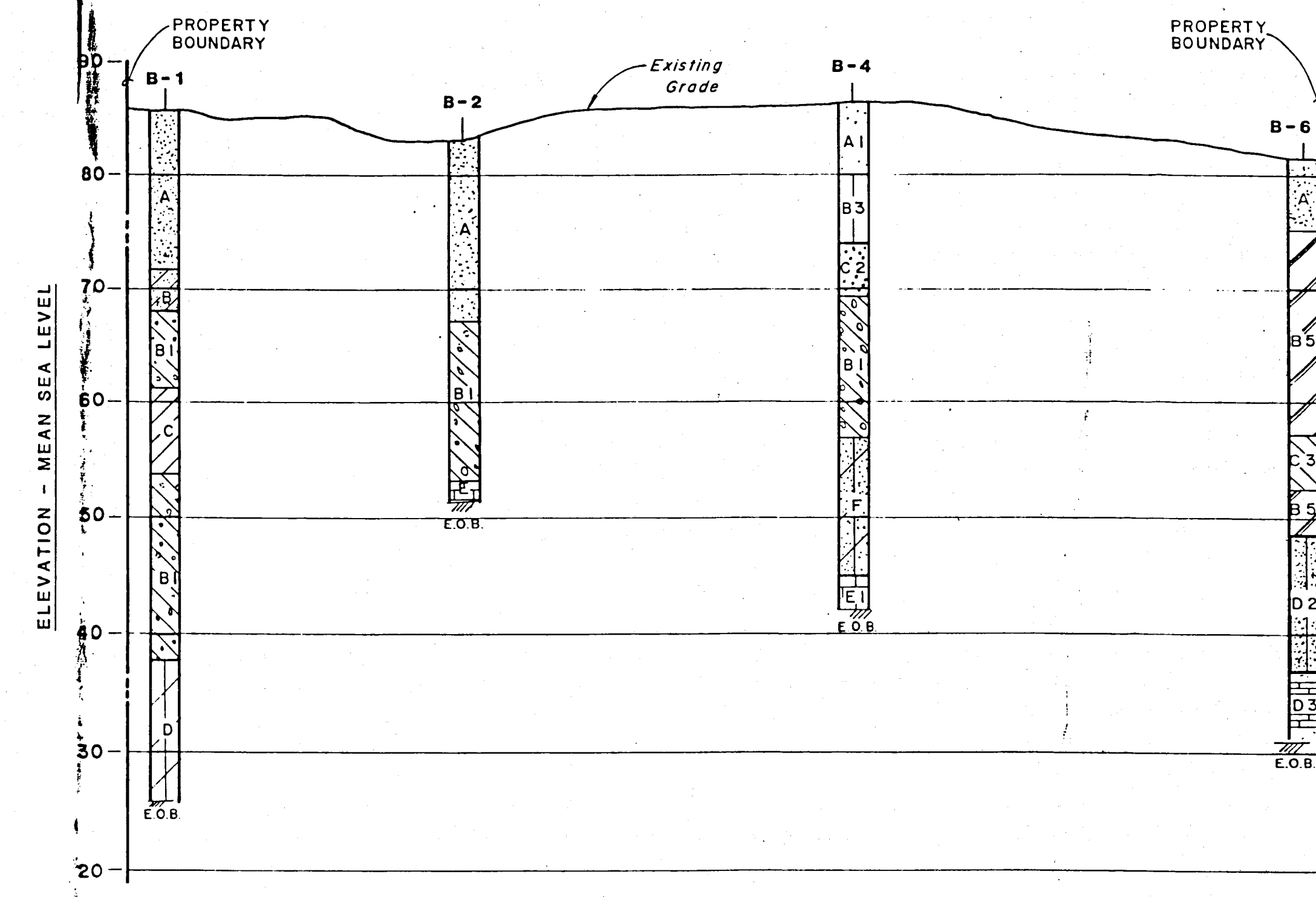
THE FIGURE SHOWS THE RESULTS OF THIS SEISMOGRAPH INVESTIGATION WHICH INDICATE THAT THE UNDERLYING COHESIVE CLAY LAYER IS ESTIMATED TO LIE AT DEPTHS RANGING FROM ABOUT 8.4 TO 18.0 FEET BELOW GROUND SURFACE (ELEVATION 67.8 TO 77.3 FEET MSL). THE COHESIVE SOIL STRATA WAS FOUND TO BE CONTINUOUS IN THE SUBJECT AREA, BUT POSSIBLE HIGH VELOCITY HARDPAN OR SURFICIAL CLAY LAYERS WERE FOUND TO EXIST AT THREE OUT OF 22 SURVEY GRID LOCATIONS. THESE NEAR-SURFACE HIGH VELOCITY SOIL LAYERS PRODUCED ANOMALOUS WAVE REVERSALS PREVENTING DEEPER SOIL ANALYSIS AT THESE LOCATIONS.

2) CLAY CONTOURS AT ONE FOOT (1') INTERVALS.



SOIL BORING PROFILES

NOTE: ALL SUBSURFACE SOILS WORK CONDUCTED BY ARMAC ENGINEERING, INC., TAMPA, FLORIDA.



LEGEND

- A GRAY & BROWN SAND
- A1 BROWN SAND
- B CLAYEY SAND
- B1 GRAY-GREEN SANDY CLAY W/ PHOSPHATE
- B2 GRAY SANDY CLAY
- B3 HARDPAN
- B4 GRAY CLAYEY SAND
- B5 GRAY-GREEN SANDY CLAY
- C HARD GRAY-GREEN CLAY
- C1 GREEN CLAY
- C2 GRAY SAND
- C3 GRAY-GREEN CLAY
- D GREEN SANDY CALCAREOUS
- D1 GRAY-GREEN CALCAREOUS SANDY CLAY W/ PHOSPHATE
- D2 GRAY-GREEN CALCAREOUS
- D3 GRAY-GREEN CALCAREOUS CLAY W/ L.R. LENSES
- D4 GRAY TO TAN CALCAREOUS SANDY CLAY
- E GREENISH GRAY CLAYEY LIMEROCK W/ PHOSPHATE
- E1 GREENISH GRAY LIMEROCK & SANDY CLAY
- F YELLOW MOTTLED GRAY-GREEN SANDY CLAY

RECORD DRAWING

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3

Designed	C.S.L.	Checked	D.D.	Approved	D.D.	Job No	81014	Date	10/92	No.	
Drawn											

Hardee County, Florida
Regional Sanitary Landfill

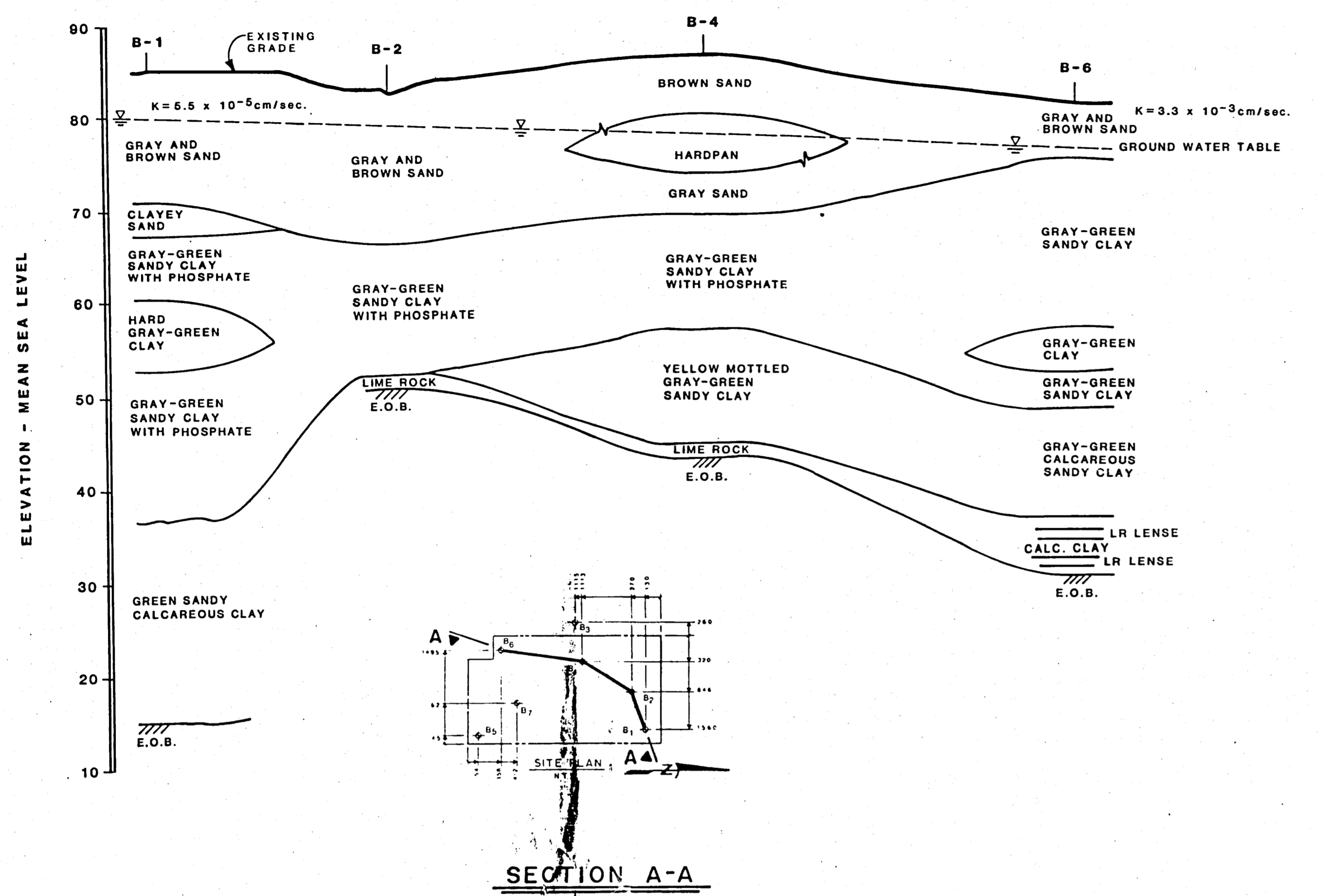
SOILS INFORMATION

Envisors, Inc.
Consulting Civil & Environmental Engineers
Economists, and Planners
Winter Haven, Tampa, & Margate, Florida

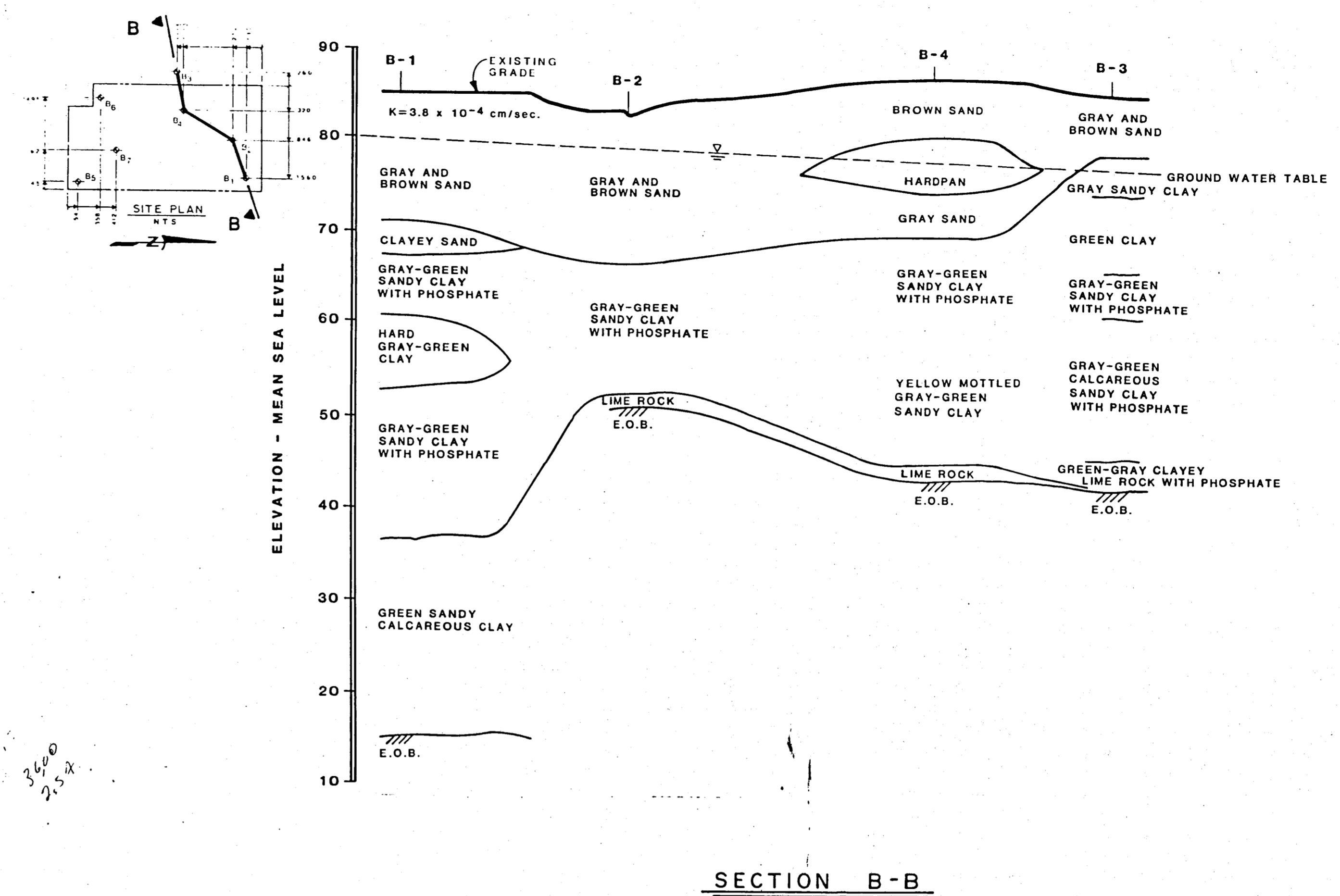
Florida Registered Professional Engineer No. 13097

D.E.P.
JUN - 6 1997

SHEET NUMBER
3
OF 4 SHEETS

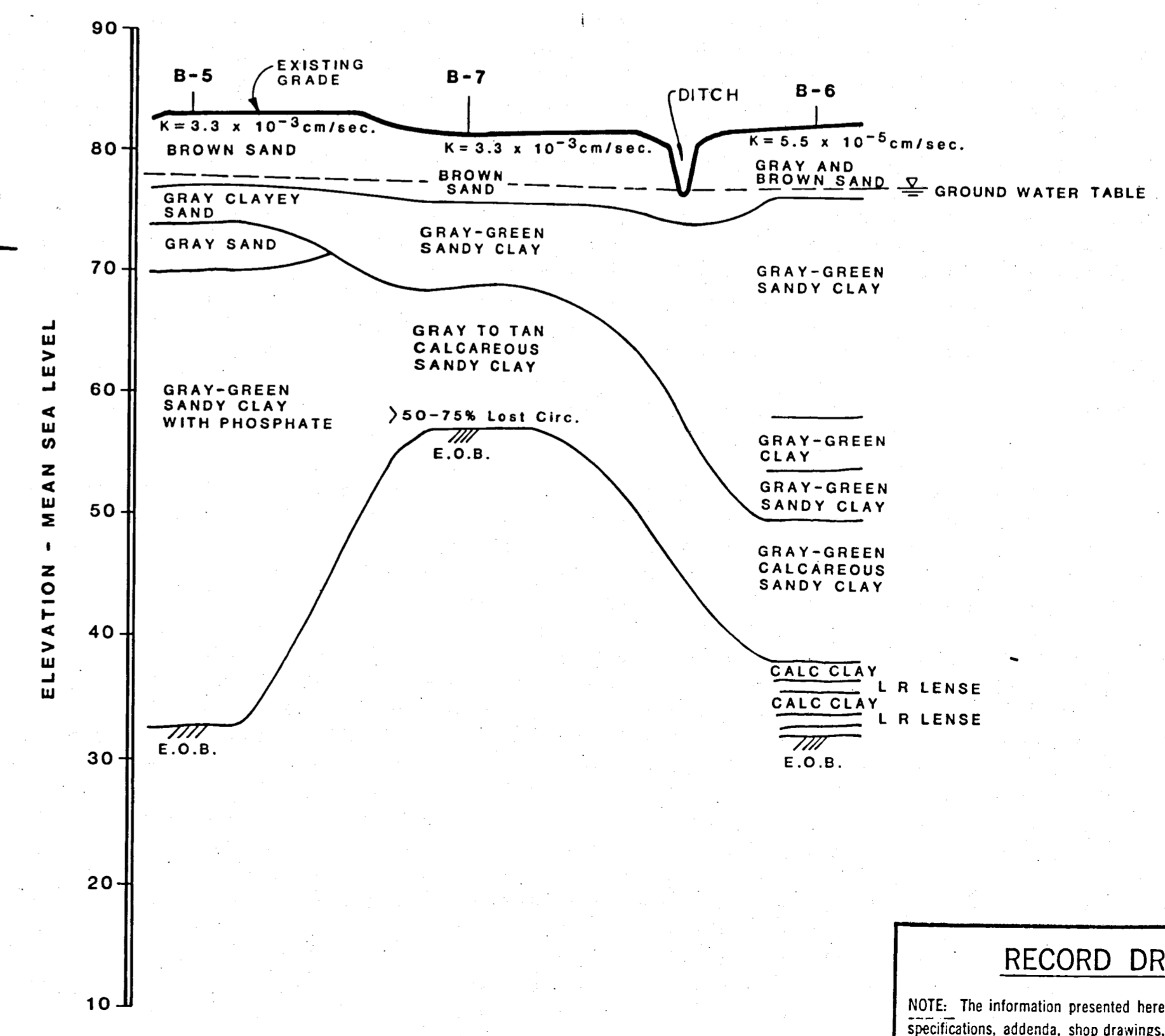
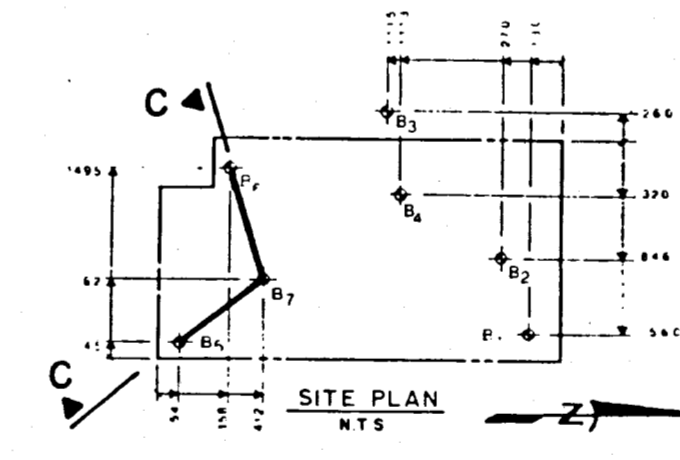


SECTION A-A



SECTION B-B

NOTES: 1.) ALL SUBSURFACE SOILS WORK CONDUCTED BY ARMAC ENGINEERING, INC., TAMPA, FLORIDA
 2.) SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS ARE INTERPOLATED.

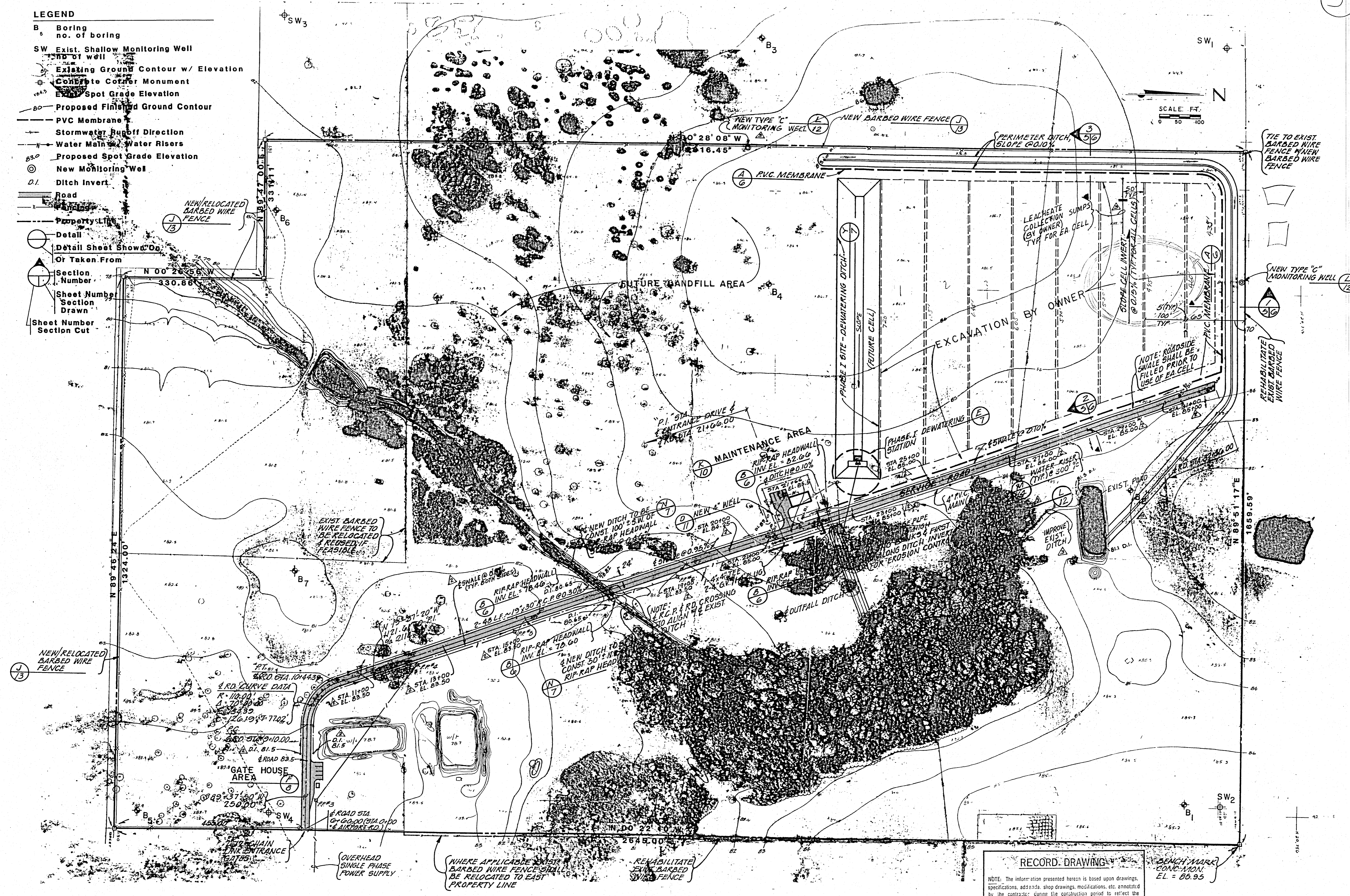


SECTION C-C

RECORD DRAWING
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HARDEE COUNTY, FLORIDA		REGIONAL SANITARY LANDFILL		SOILS INFORMATION	
Designed	C.S.L.	Checked	D.D.	Job No.	81014
Approved	D.D.	Approved	D.D.	Date	10/82
By	CS	By	DD	Revision Description	1/2/83
ENVISORS, Inc. Consulting Civil & Environmental Engineers Economists, and Planners WINTER HAVEN, TAMPA, & MARGATE, FLORIDA					
Florida Registered Professional Engineer No. 13,087					
SHEET NUMBER 4 OF 14					

- LEGEND**
- B Boring no. of boring
 - SW Exist. Shallow Monitoring Well
 - Existing Ground Contour w/ Elevation
 - Concrete Corner Monument
 - Spot Grade Elevation
 - Proposed Finished Ground Contour
 - PVC Membrane
 - Stormwater Runoff Direction
 - Water Main Water Risers
 - Proposed Spot Grade Elevation
 - New Monitoring Well
 - D.I. Ditch Invert
 - Road
 - Property Line
 - Detail
 - Detail Sheet Show On Or Taken From
 - Section Number
 - Sheet Number Section Drawn
 - Sheet Number Section Cut



RECORD DRAWING

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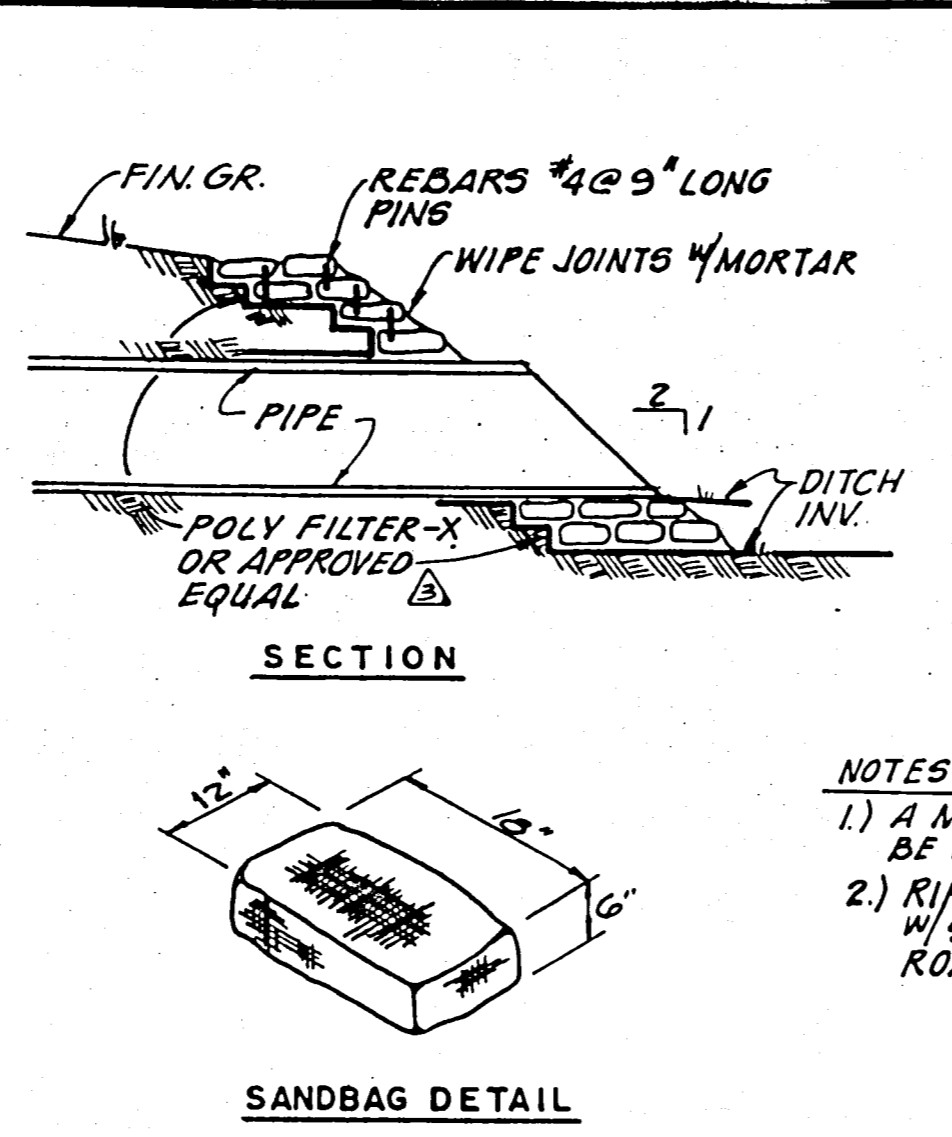
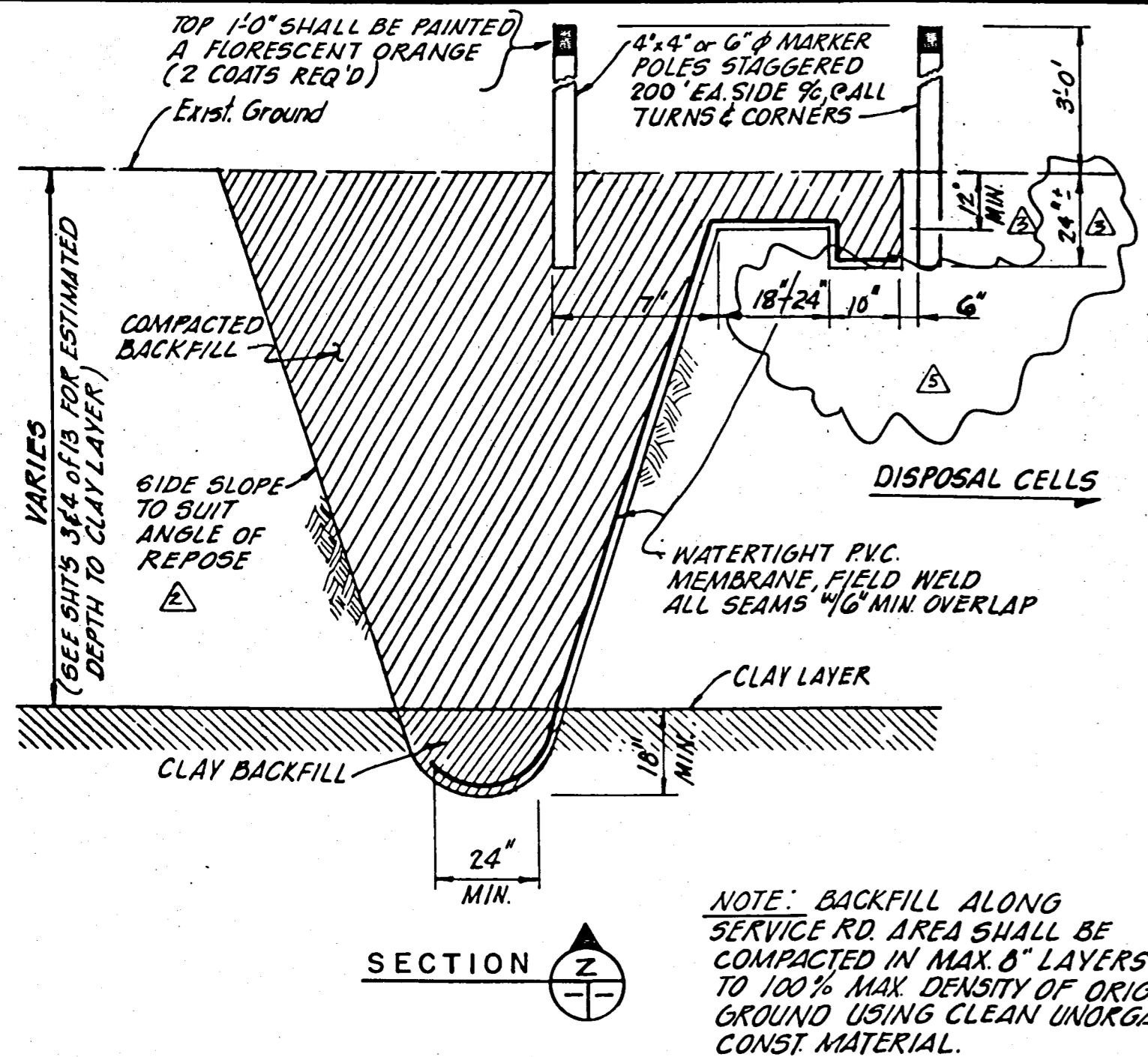
NOTE: BENCH MARK SHOWN IS DERIVED FROM SURVEY OF 9 DECEMBER 1981 PERFORMED BY MARK P. PORTER, P.L.S. OF CHASTAIN-SKILLMAN, INC., LAKELAND, FLORIDA

Designed	N.W.	Checked	D.D.	Approved	D.D.	Job No.	81014	Complete	Revised
Drawn	N.W.	Checked	D.D.	Approved	D.D.	Job No.	81014	Complete	Revised

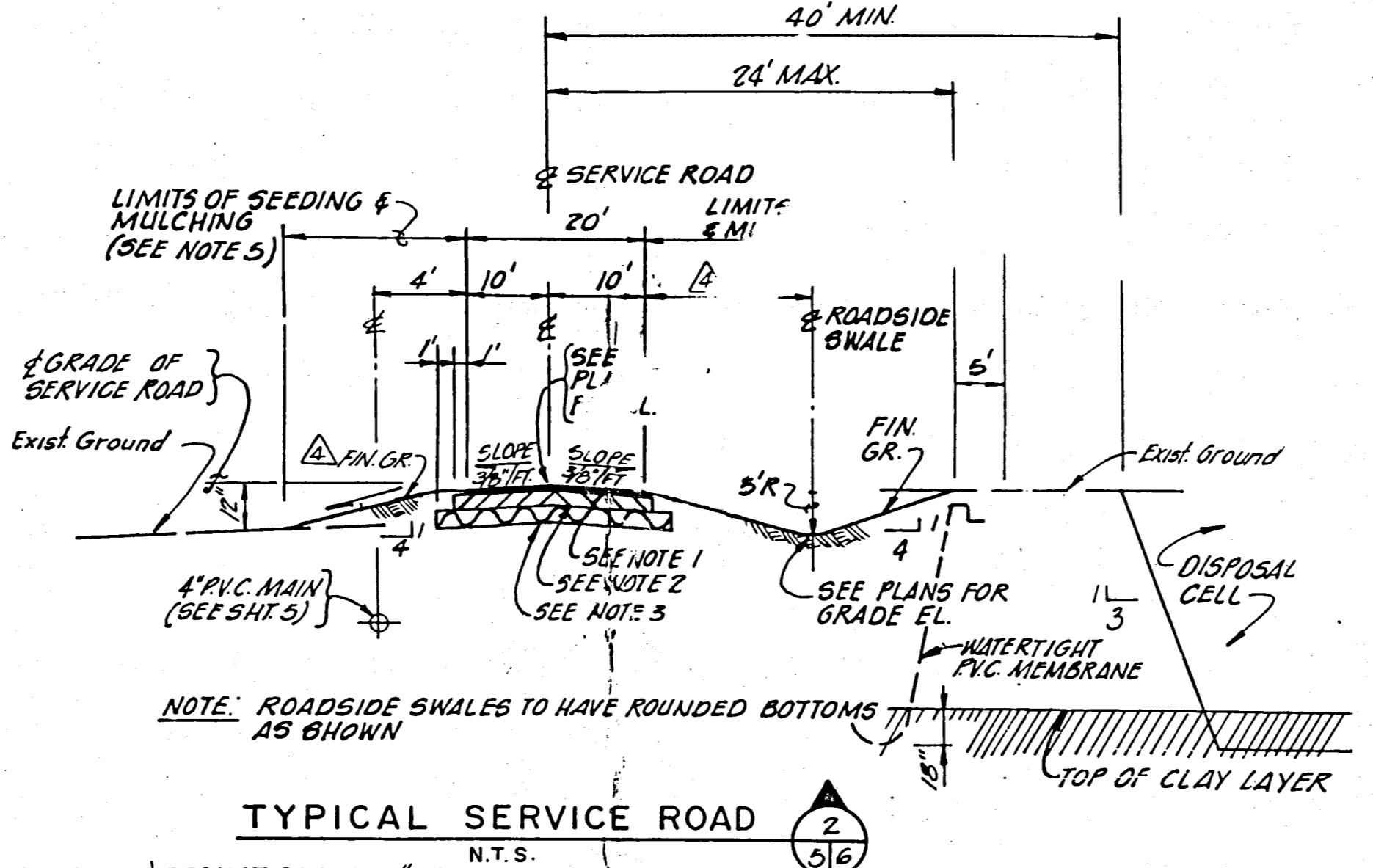
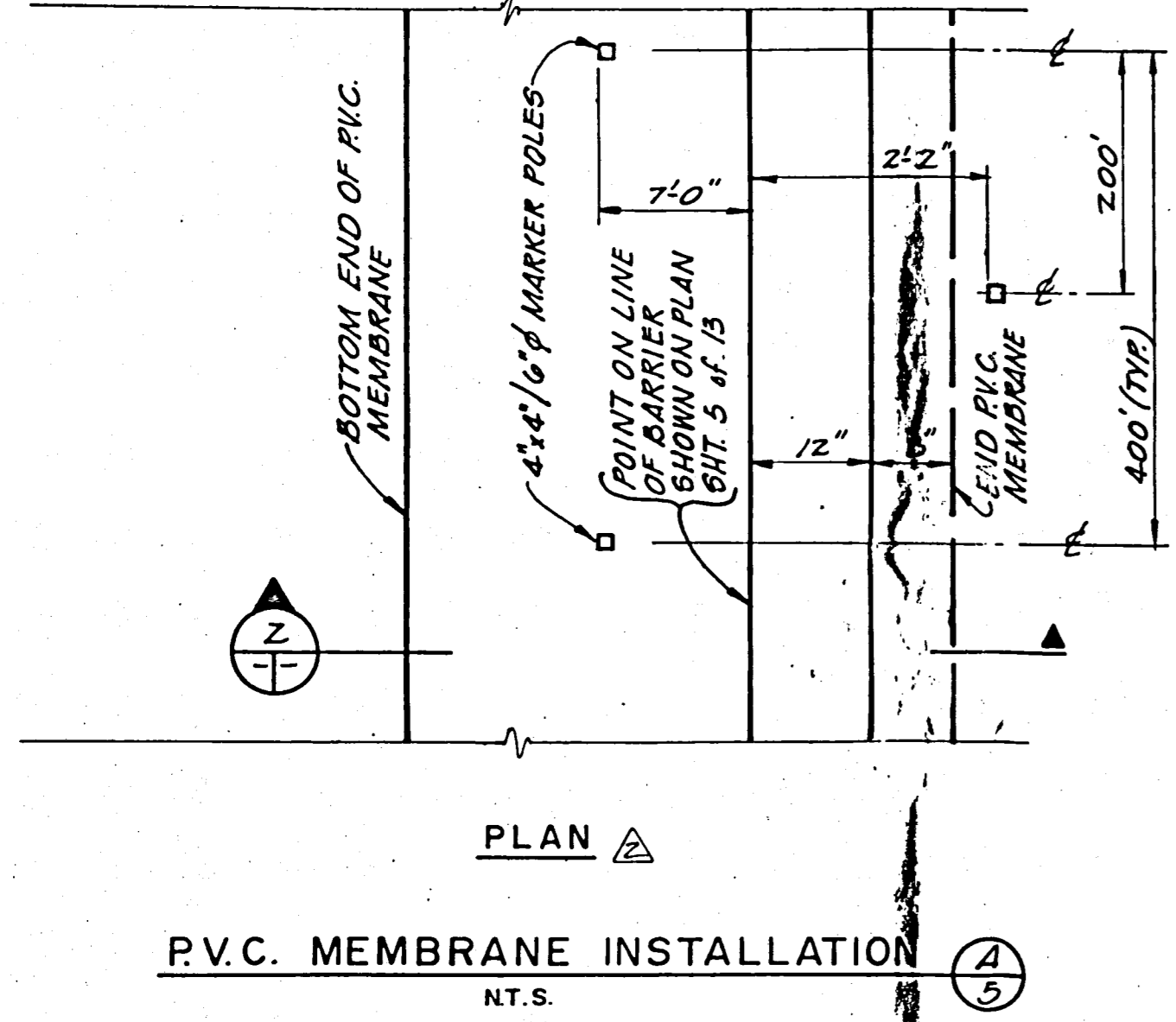
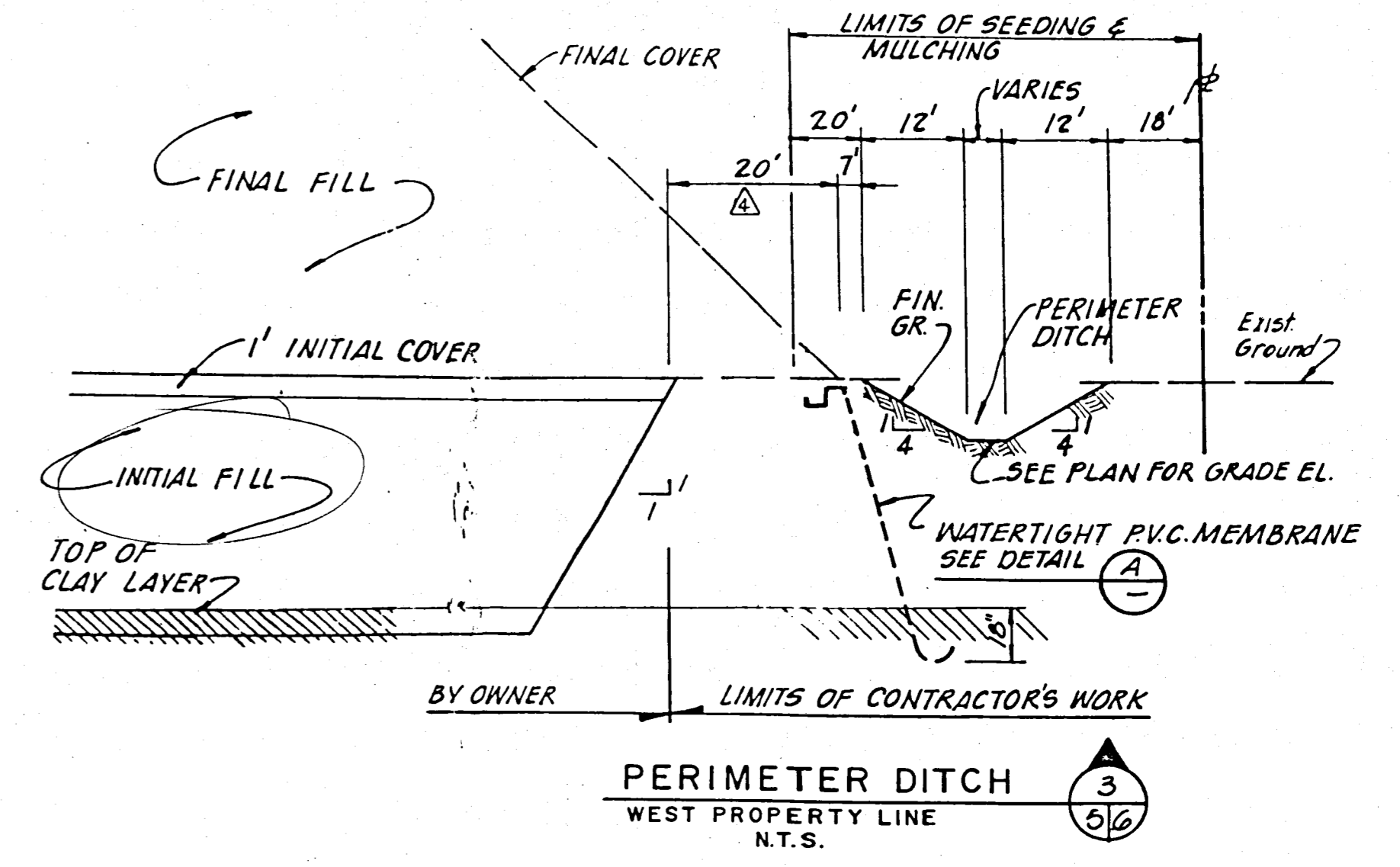
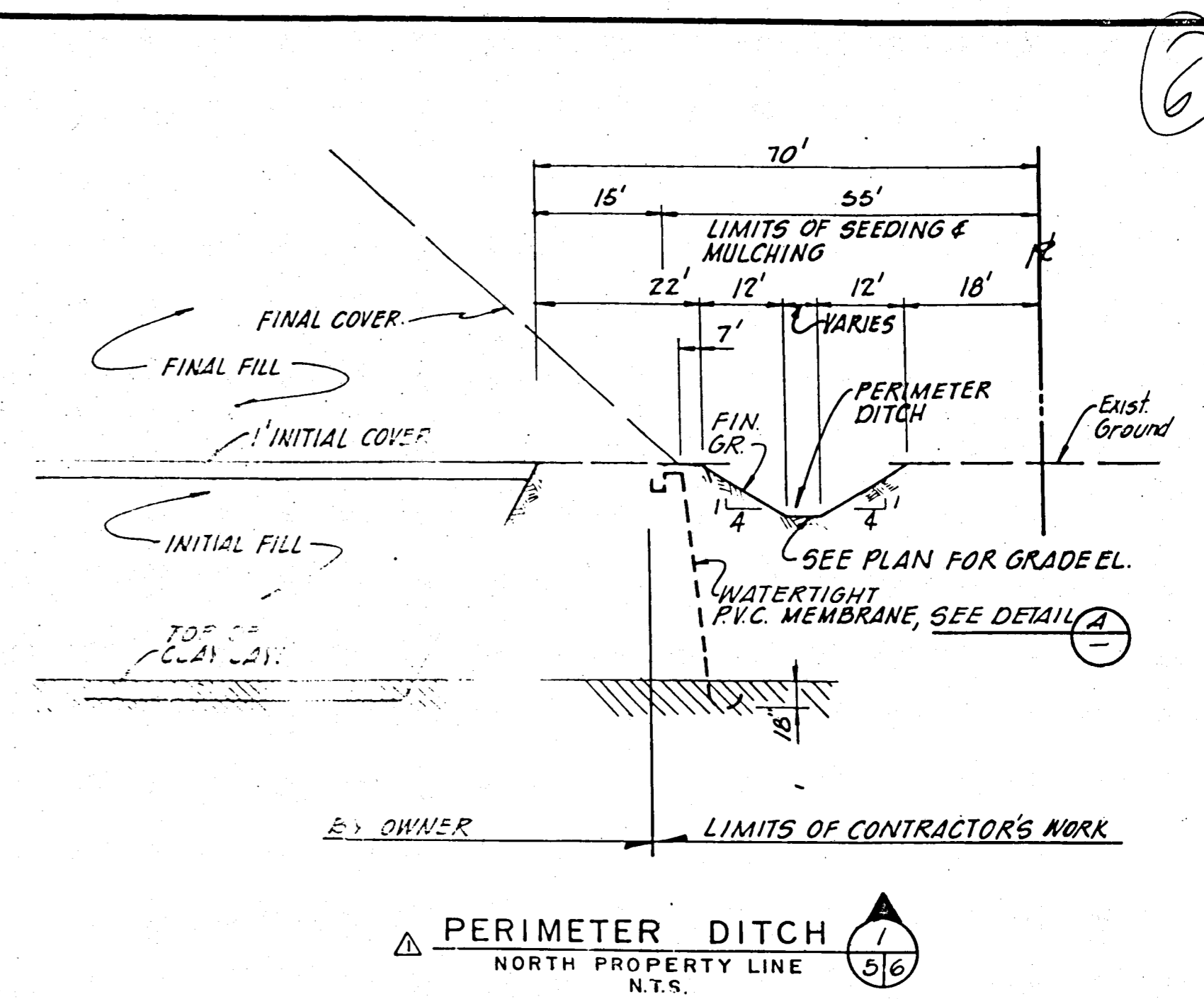
HARDEE COUNTY, FLORIDA
 REGIONAL SANITARY LANDFILL
PHASE I SITE PLAN

ENVIROS, Inc.
 Consulting Civil & Environmental Engineers

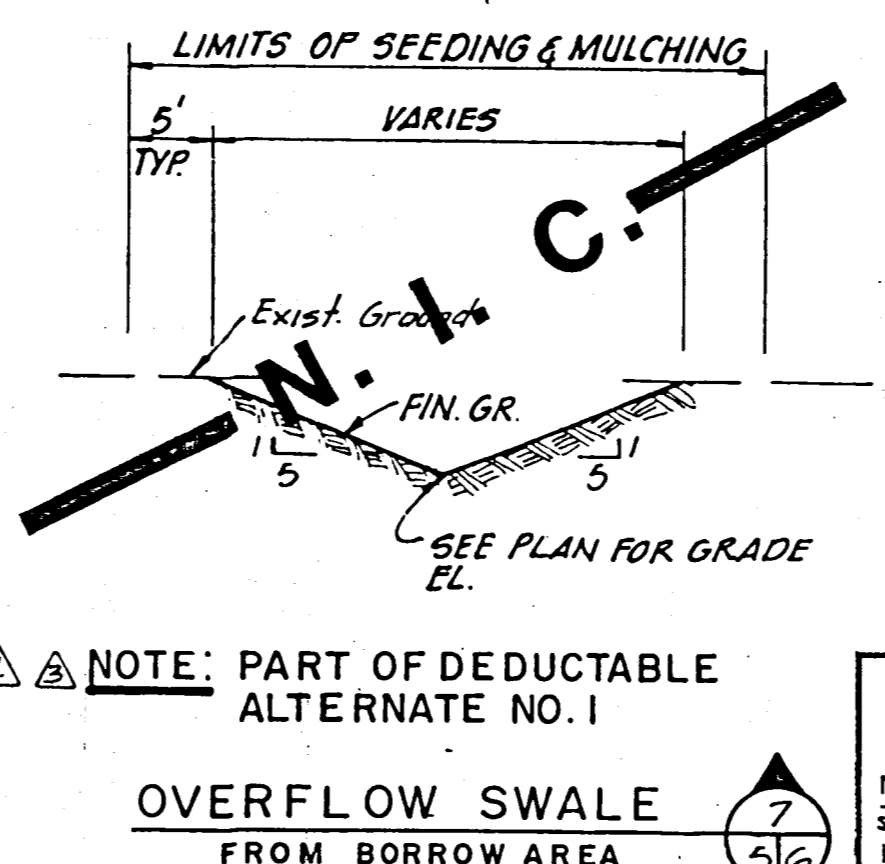
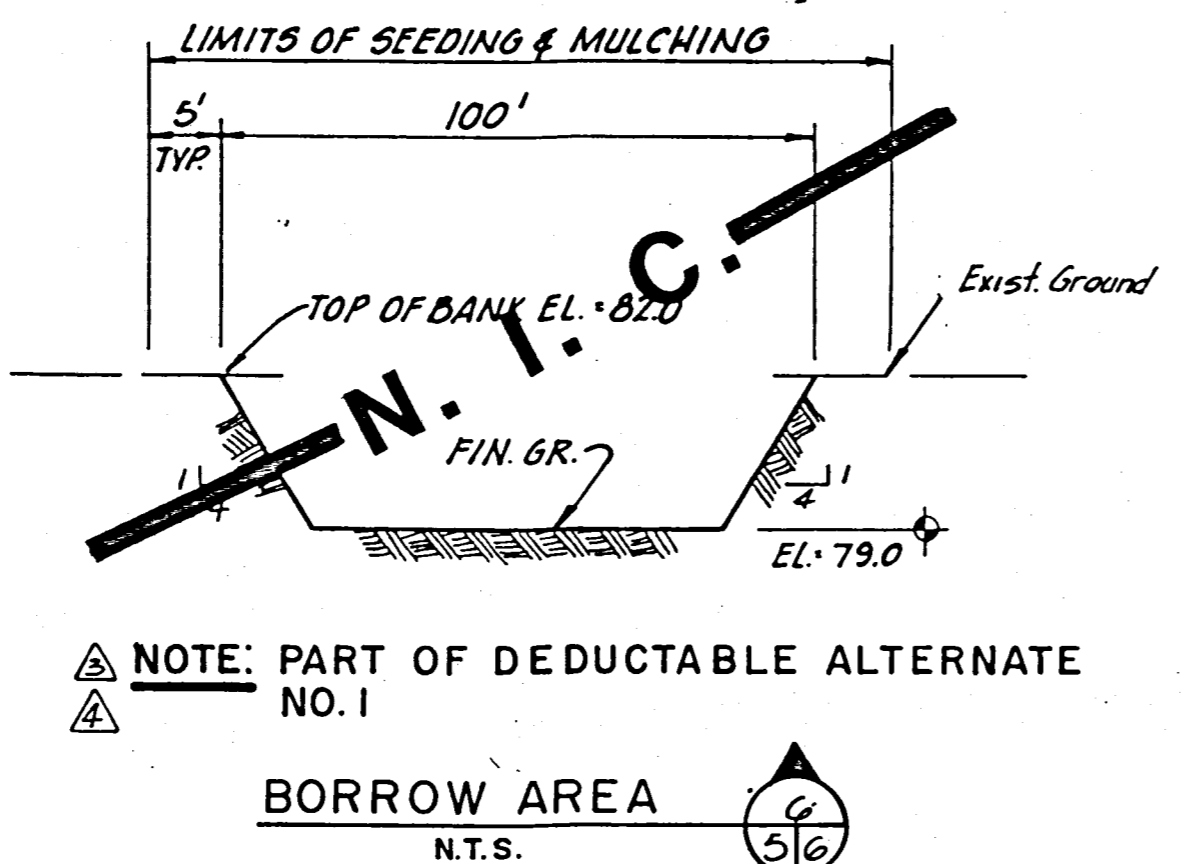
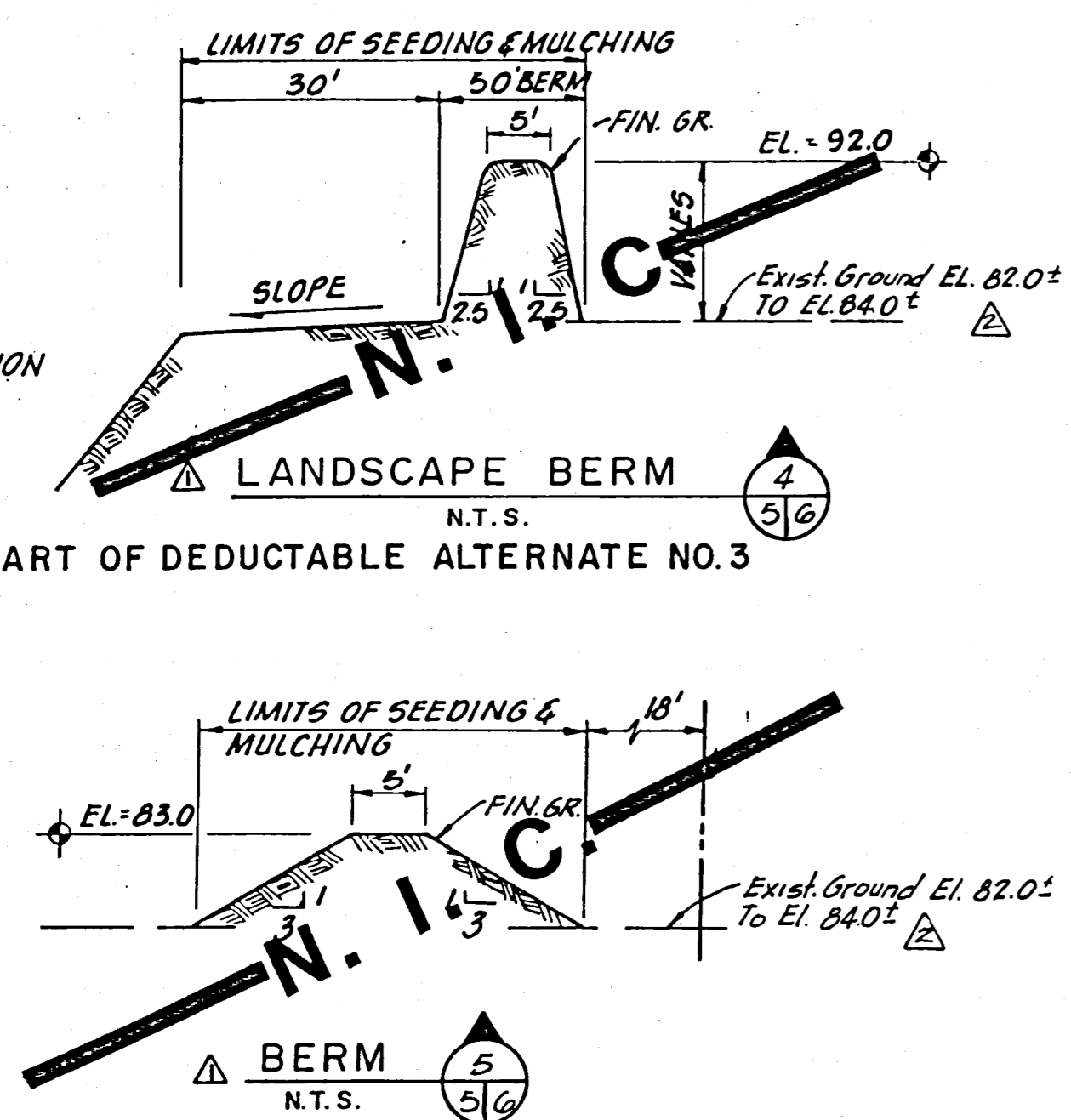
SHEET N.O. 5



NOTES:
1) A MINIMUM OF 80 BAGS PER HEADWALL SHALL BE USED.
2) RIP-RAP CONSTRUCTION METHODS SHALL COMPLY W/ SEC. 530 FLA. D.O.T. STANDARD SPEC'S, FOR ROAD & BRIDGE CONSTRUCTION 1982



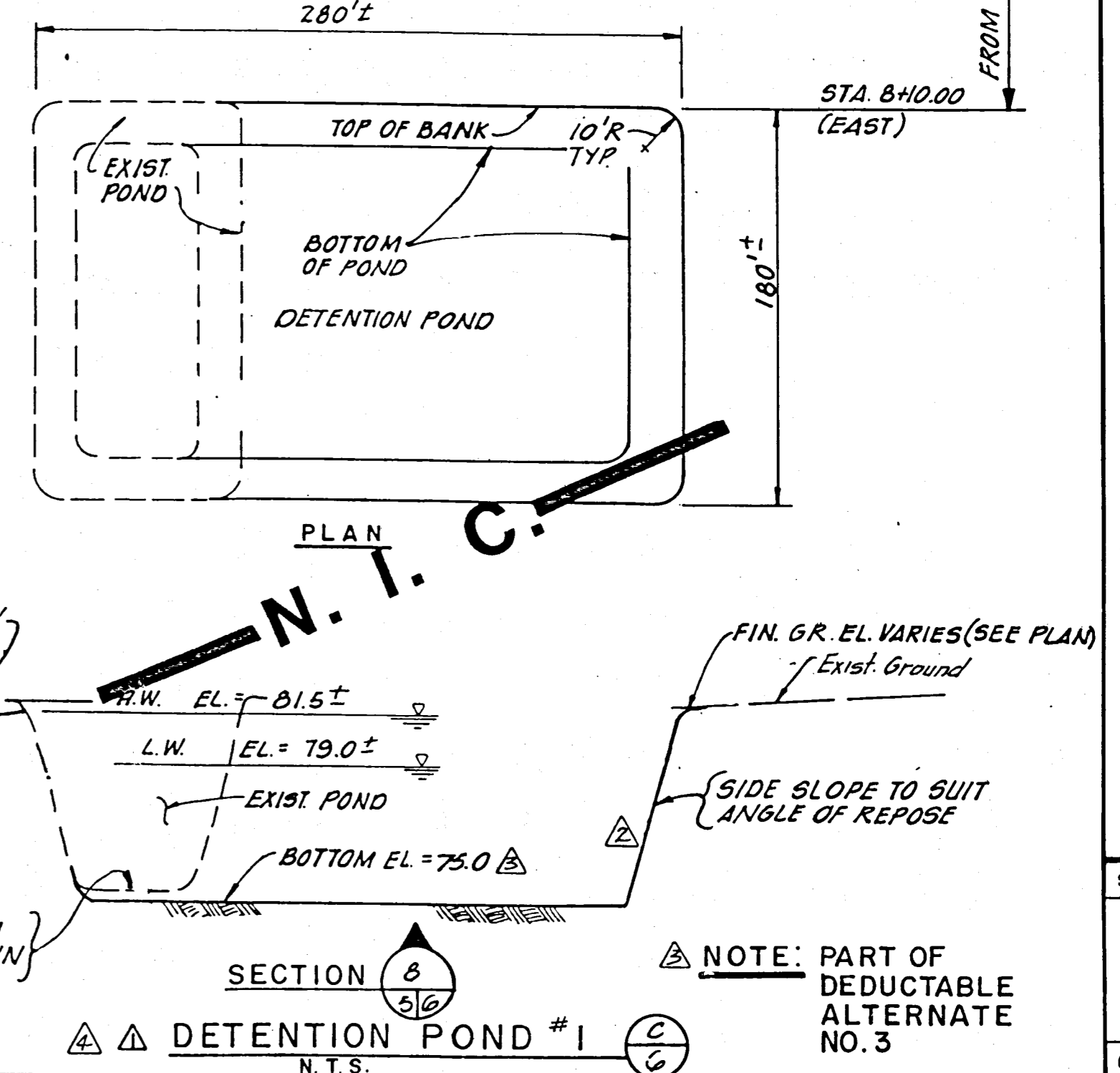
NOTES:
1) DEDUCTIBLE ALT. #2;
1 1/2" TYPE II ASPHALT SURFACE.
2) 8" SHELL ROCK OR LIME ROCK BASE (F.B.V. 100)
3) 8" STABILIZED SUB-BASE (95% AASHTO T-100) W/F.B.V. GO.
4) ROADSIDE SWALES SHALL BE PROVIDED WHERE SHOWN ON OVERALL SITE PLAN.
5) SLOPE @ 4:1 FROM ROAD TO EXIST GROUND; TYP. WHERE NO ROADSIDE SWALES ARE SHOWN.
6) CONTRACTOR SHALL PROVIDE 1'-0" MIN. COVER WHERE WATER MAIN & DRAINAGE PIPE CROSSING OCCUR AT MAINTENANCE BLDG. (MIN. WM. DEPTH SHALL BE 3'-0")



RECORD DRAWING

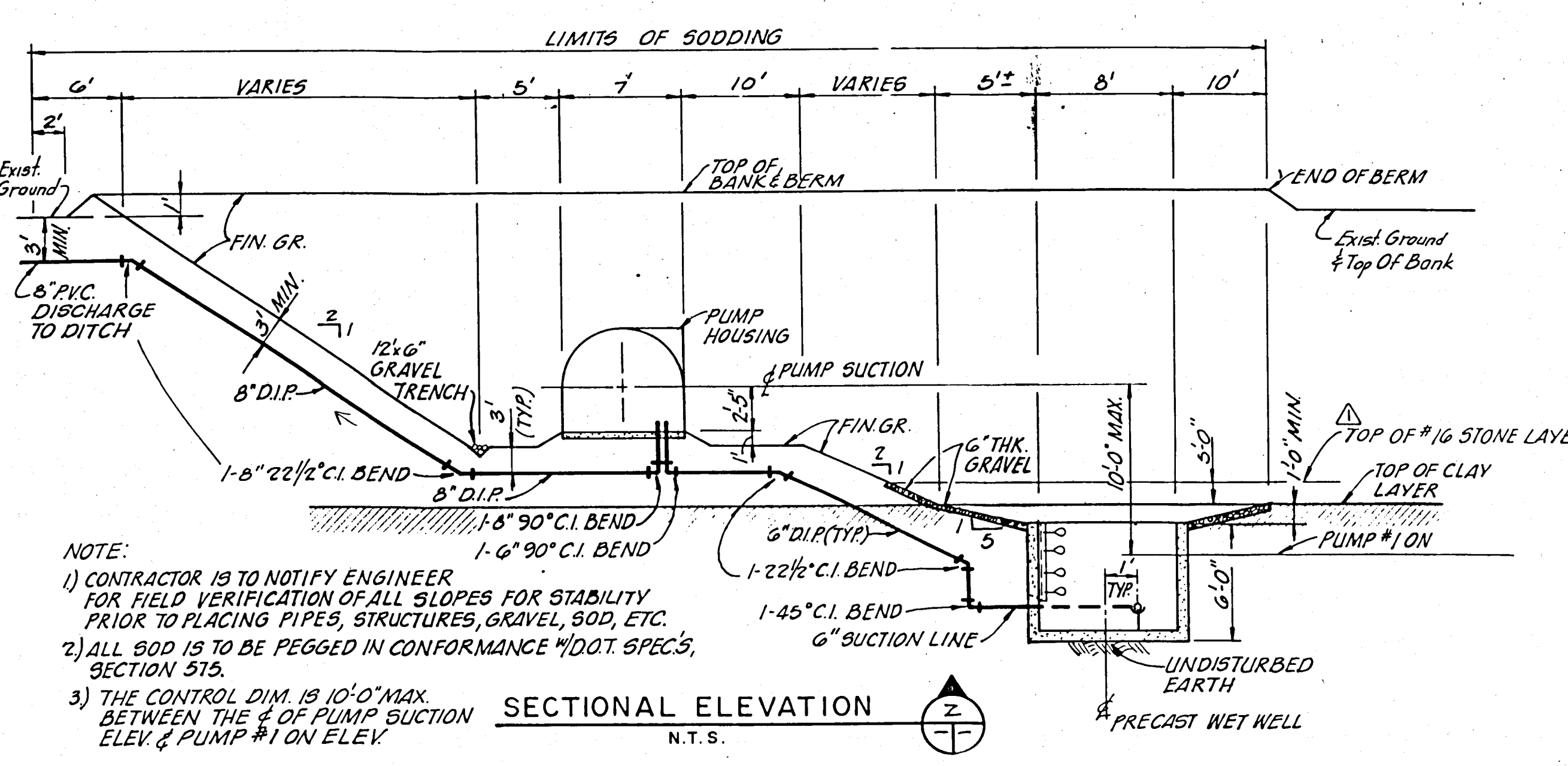
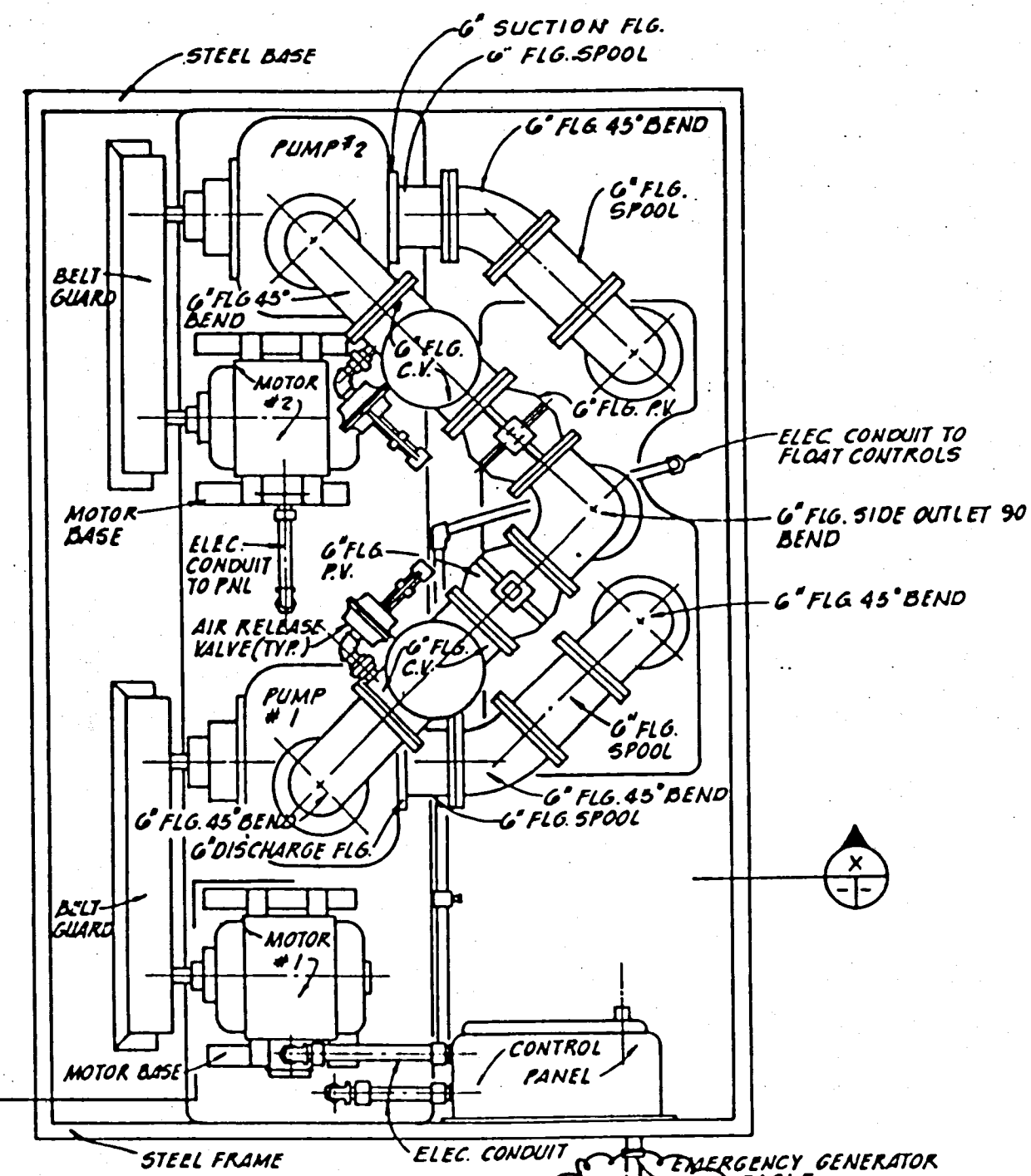
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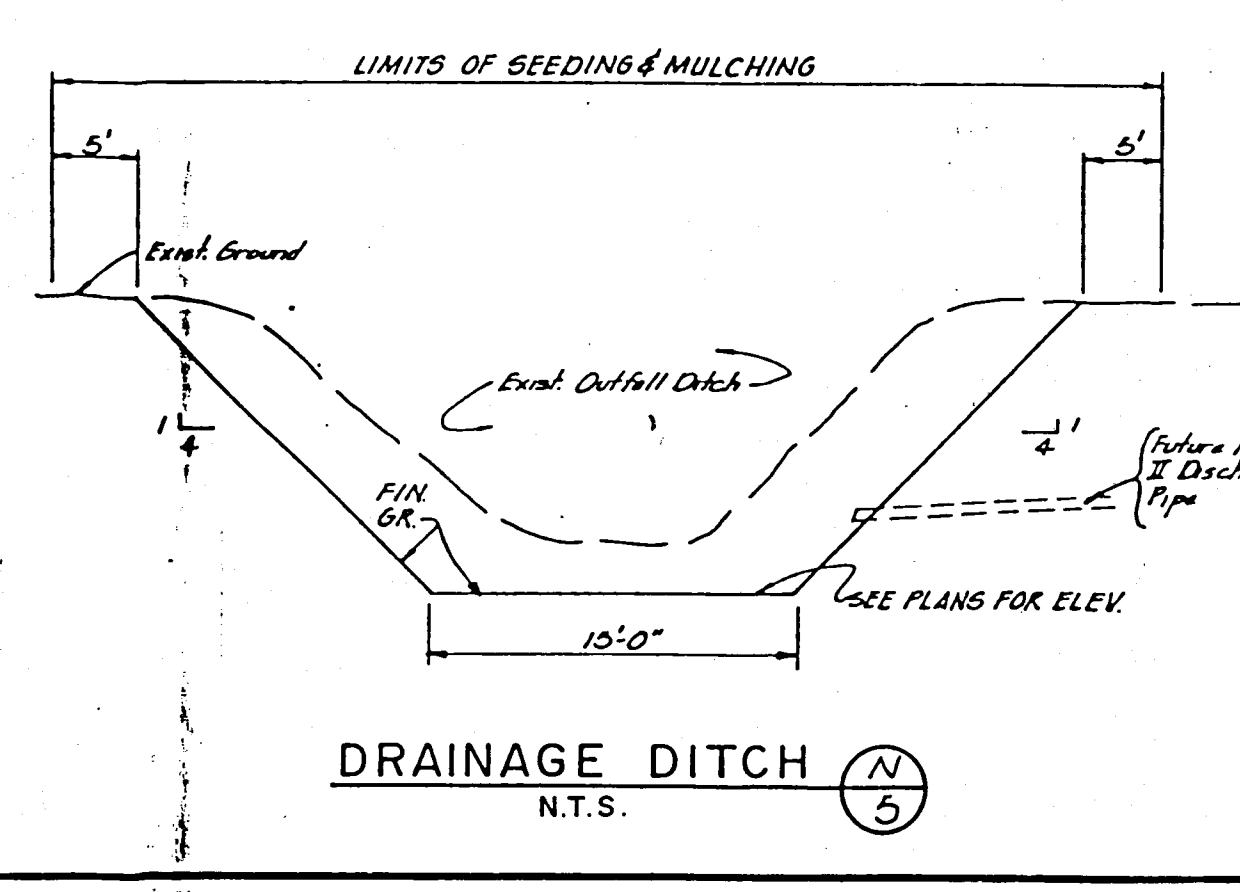
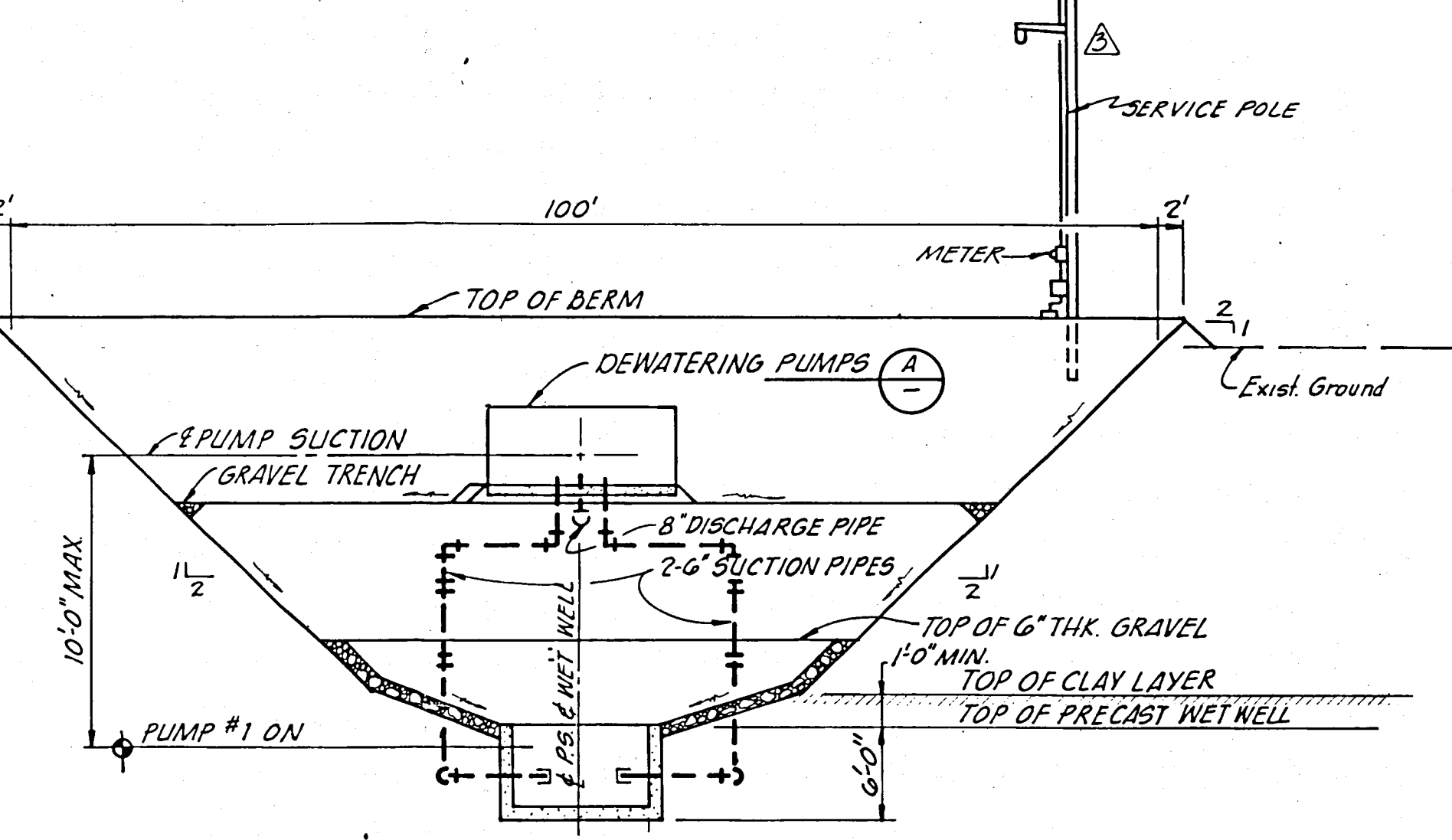
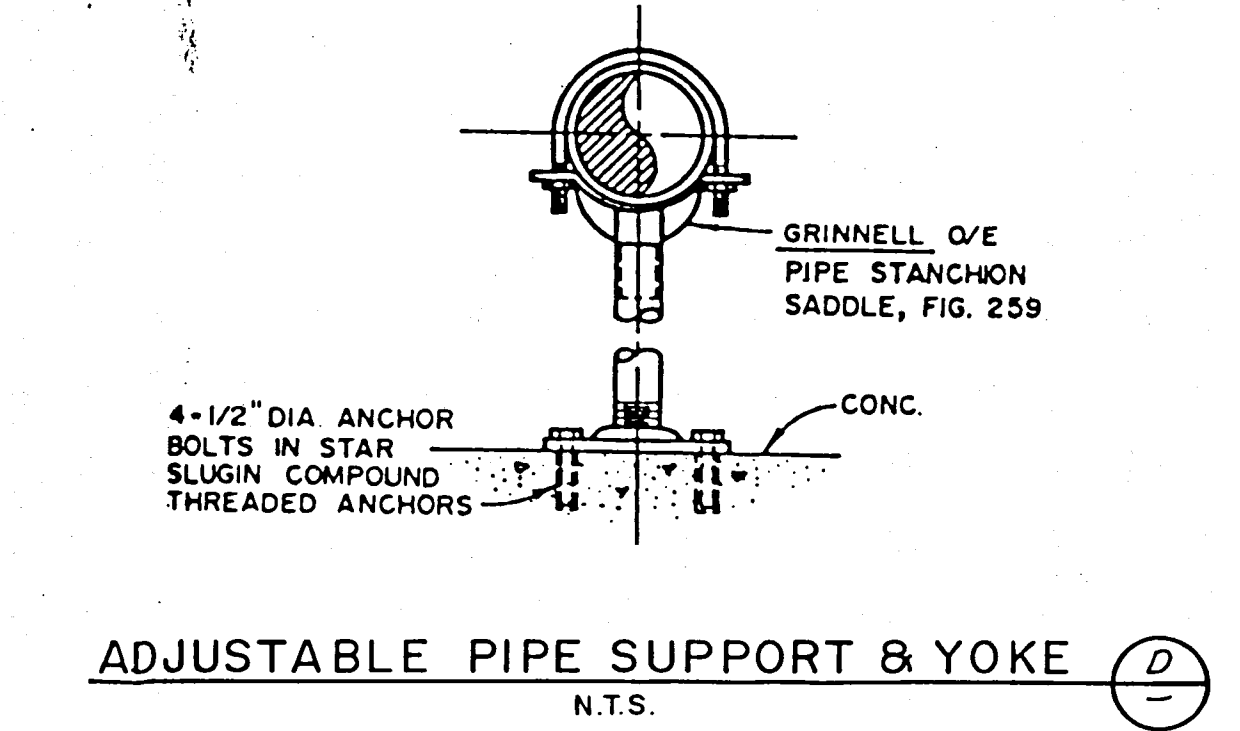
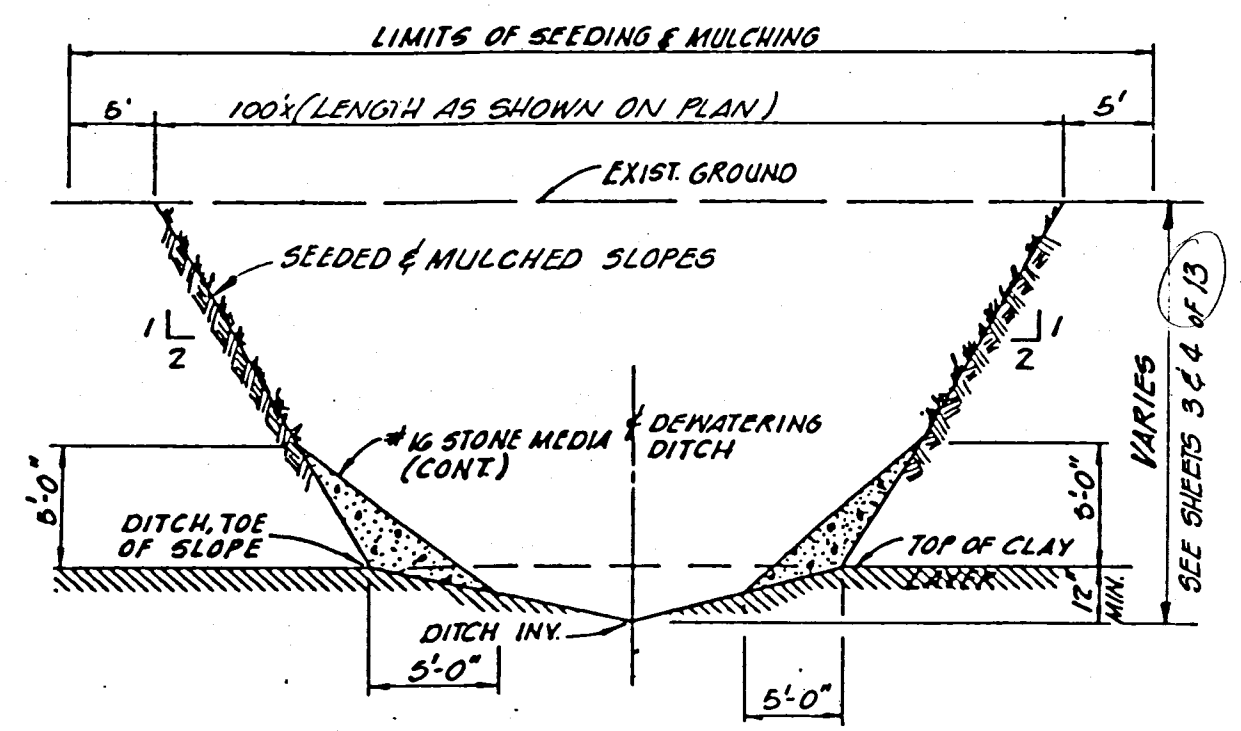
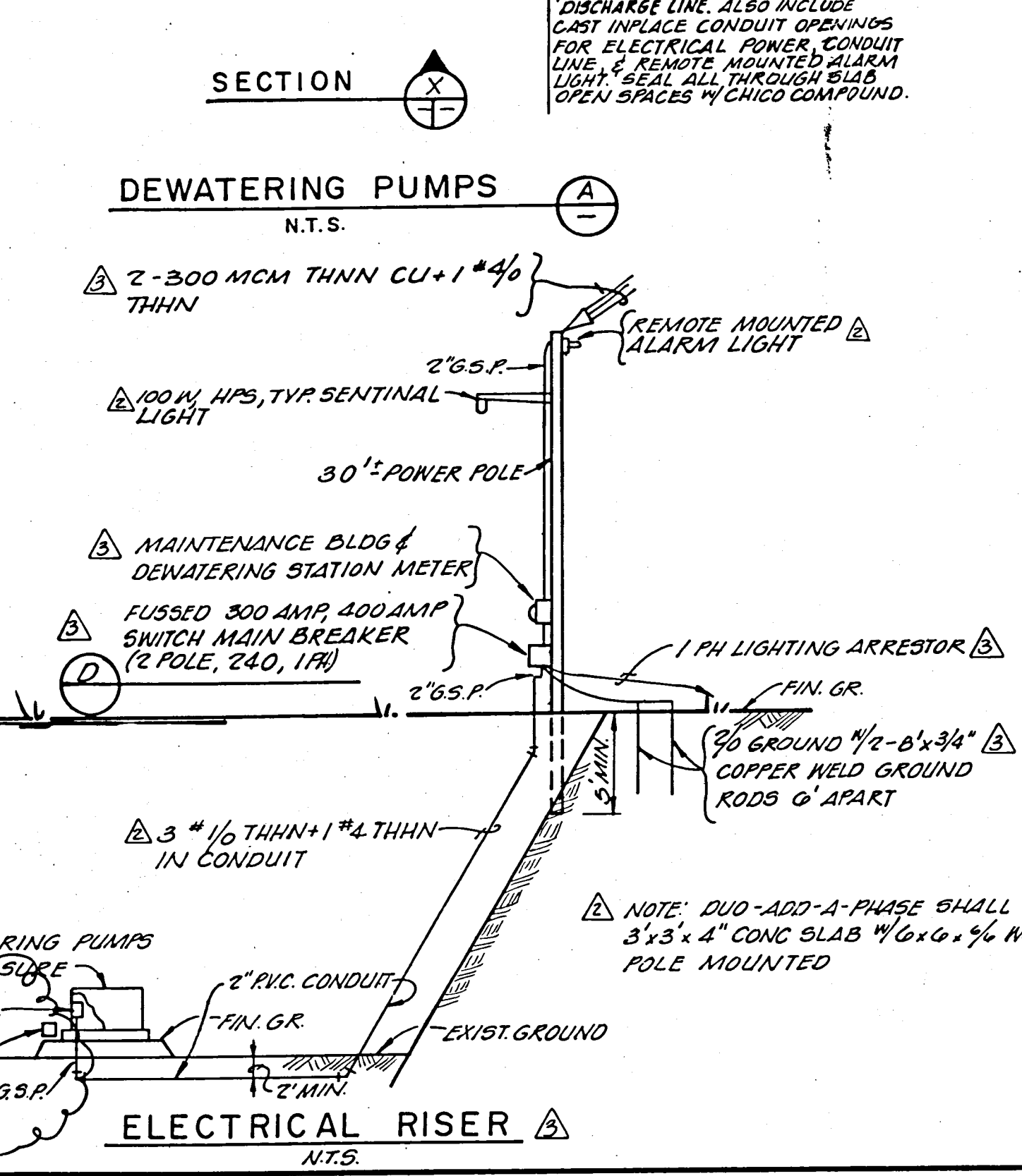
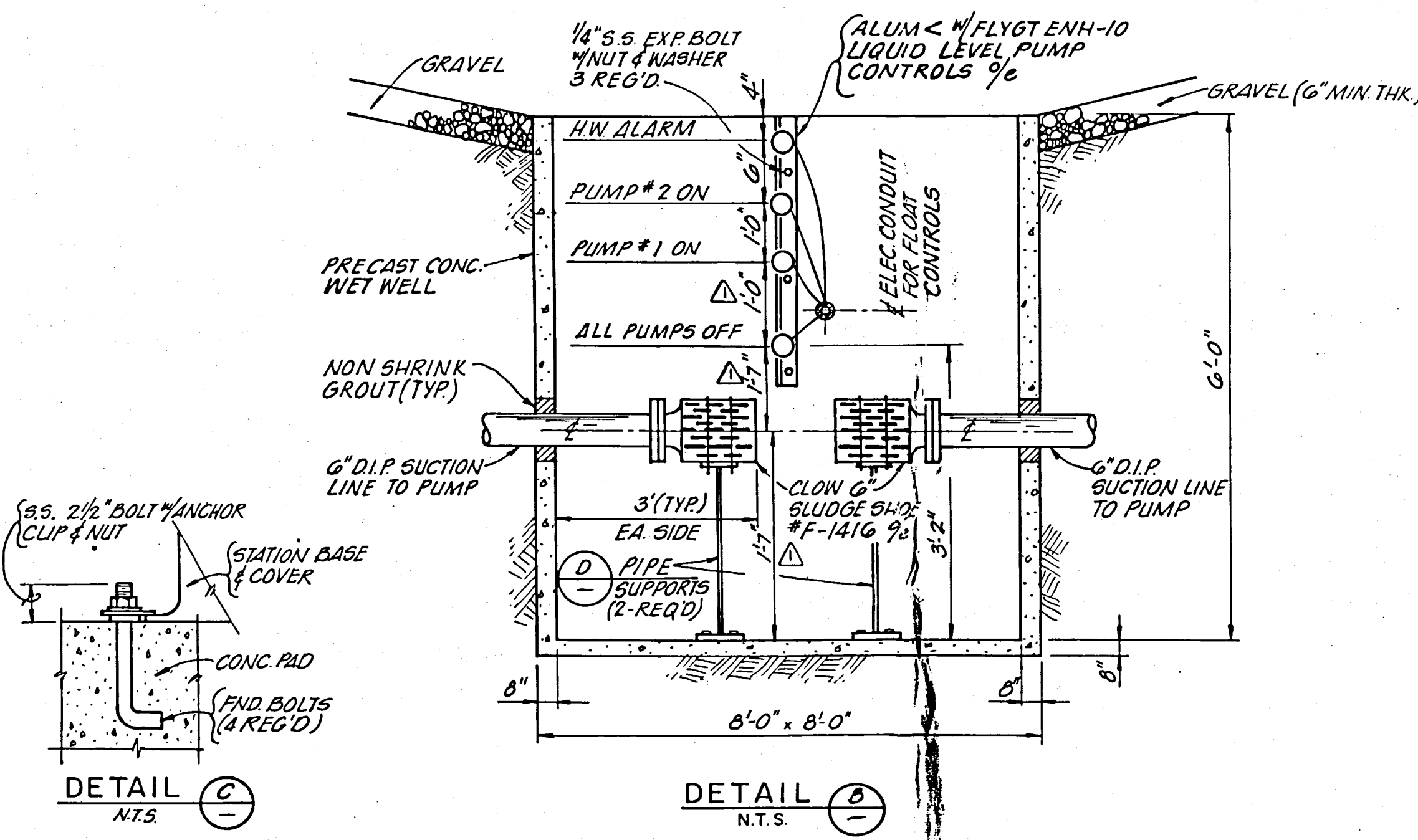
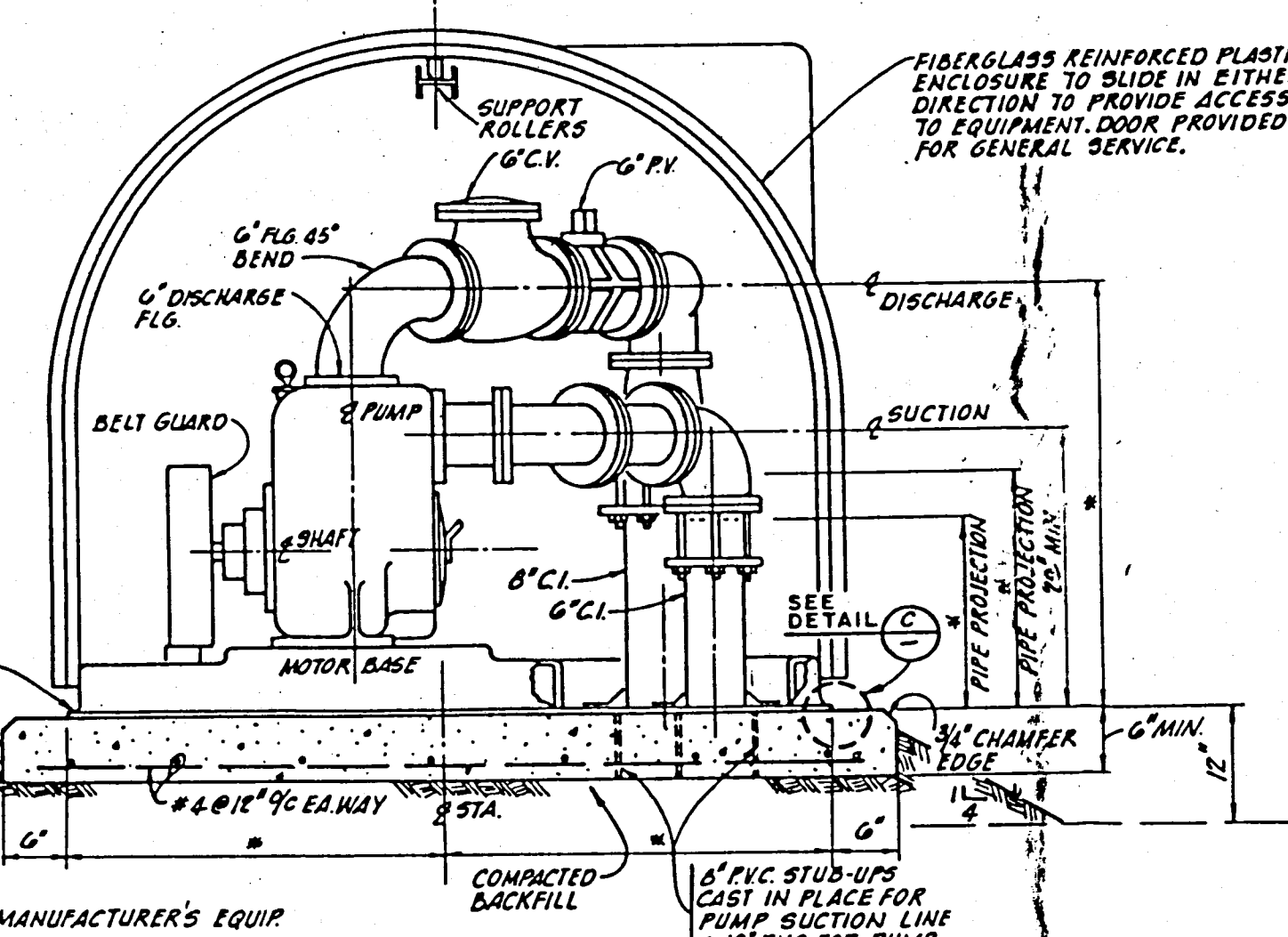
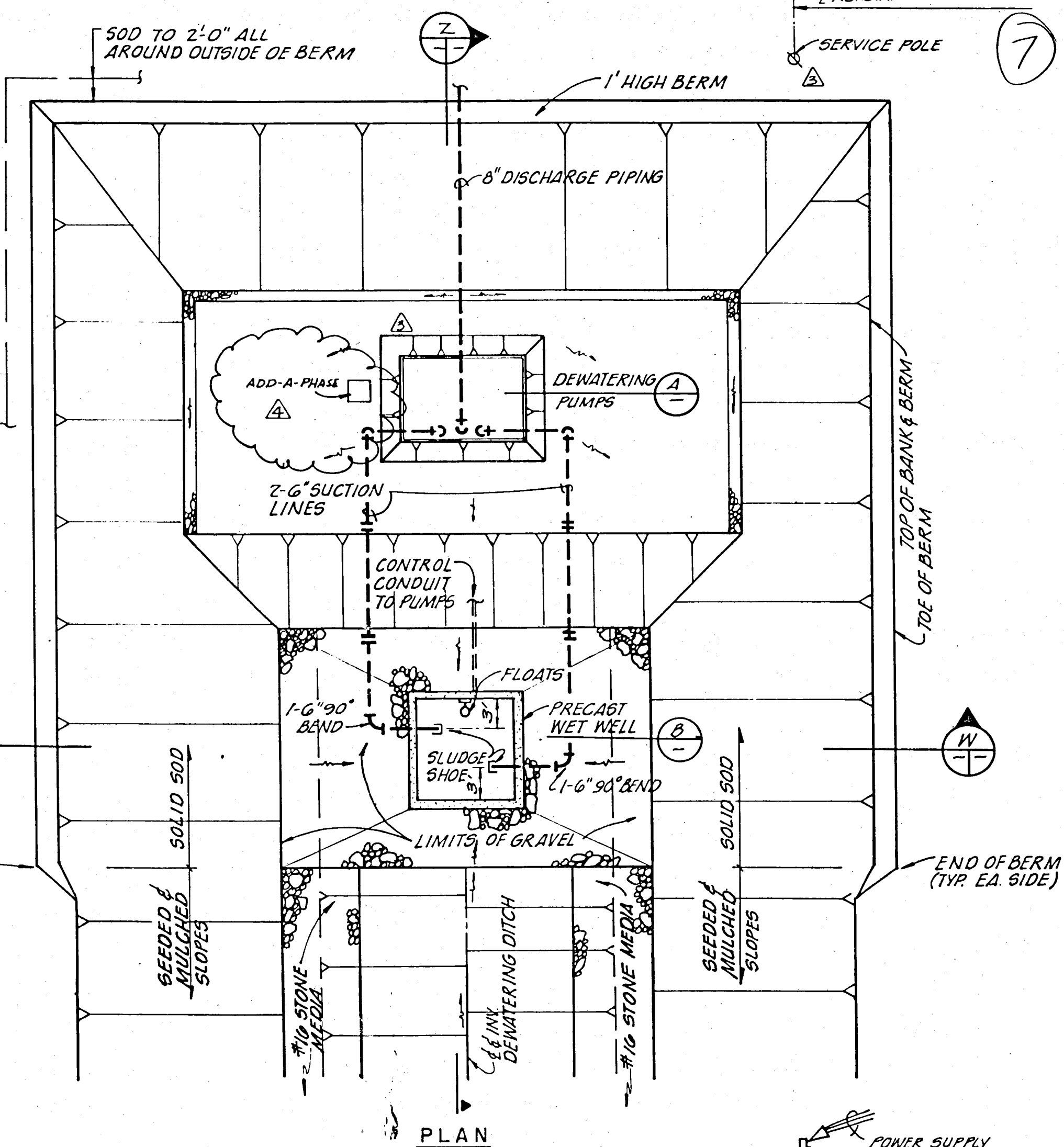


DESIGNED	C.S.L.	10/82	BY	CHK.	DATE
DRAWN	C.S.L.	10/82	BY	CHK.	DATE
CHECKED	D.D.	10/82	BY	CHK.	DATE
APPROVED	D.D.	10/82	BY	CHK.	DATE
JOB NO.	81014		BY	CHK.	DATE
DATE	10/82		BY	CHK.	DATE

HARDEE COUNTY, FLORIDA
REGIONAL SANITARY LANDFILL
CONSTRUCTION DETAILS
Envisors, Inc.
Civil & Environmental Engineers
Economists and Planners
WINTER HAVEN, TAMPA, & MARGATE, FLORIDA



- NOTE:
 1) CONTRACTOR IS TO NOTIFY ENGINEER FOR FIELD VERIFICATION OF ALL SLOPES FOR STABILITY PRIOR TO PLACING PIPES, STRUCTURES, GRAVEL, SOD, ETC.
 2) ALL SOD IS TO BE PEGGED IN CONFORMANCE W/DOT. SPECS, SECTION 515.
 3) THE CONTROL DIM. IS 10' 0" MAX. BETWEEN THE 4 OF PUMP SUCTION ELEV. & PUMP #1 ON ELEV.



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DESIGNED: D.D. CHECKED: C.S.L. DRAWN: D.D. APPROVED: D.D. DATE: 10/82

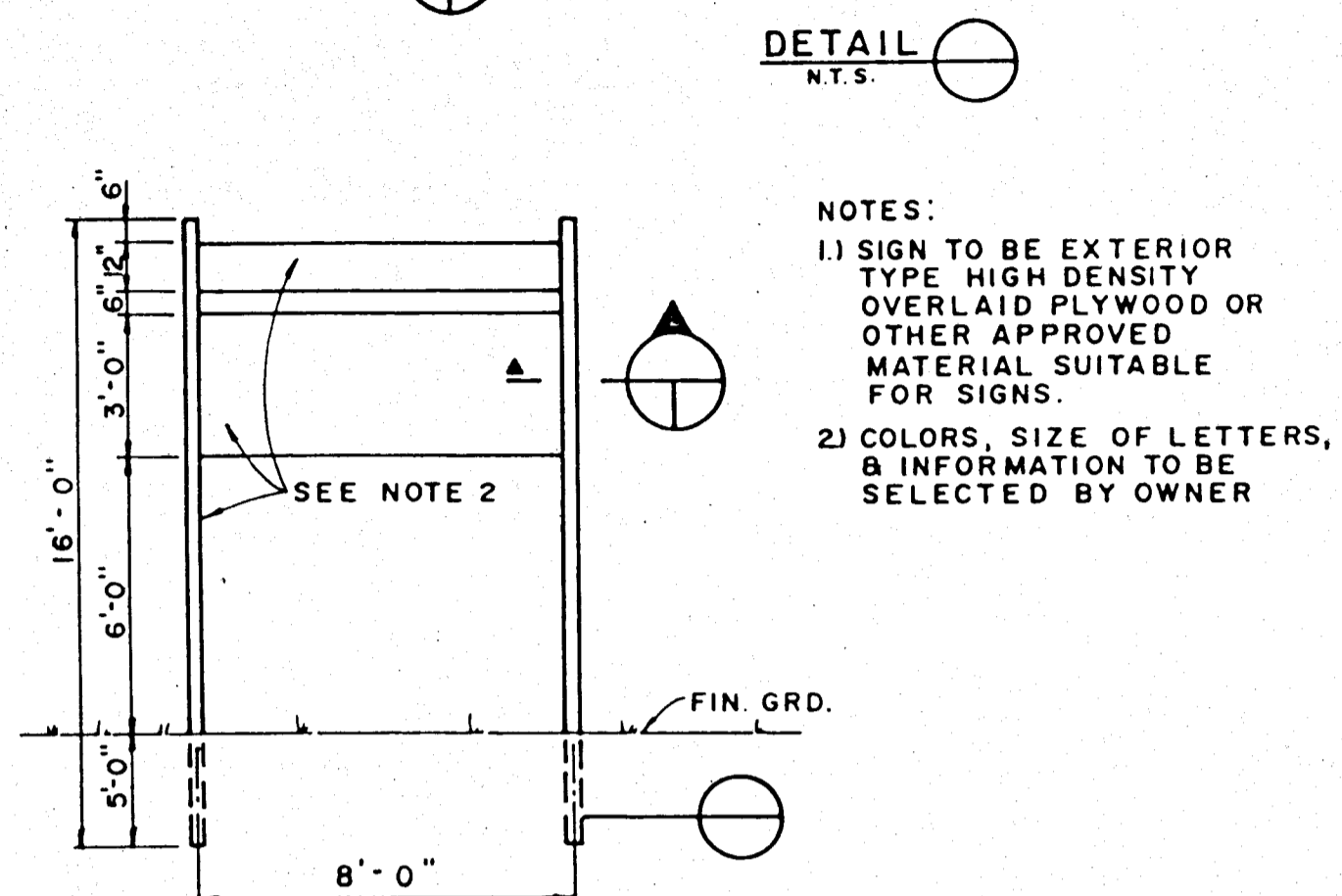
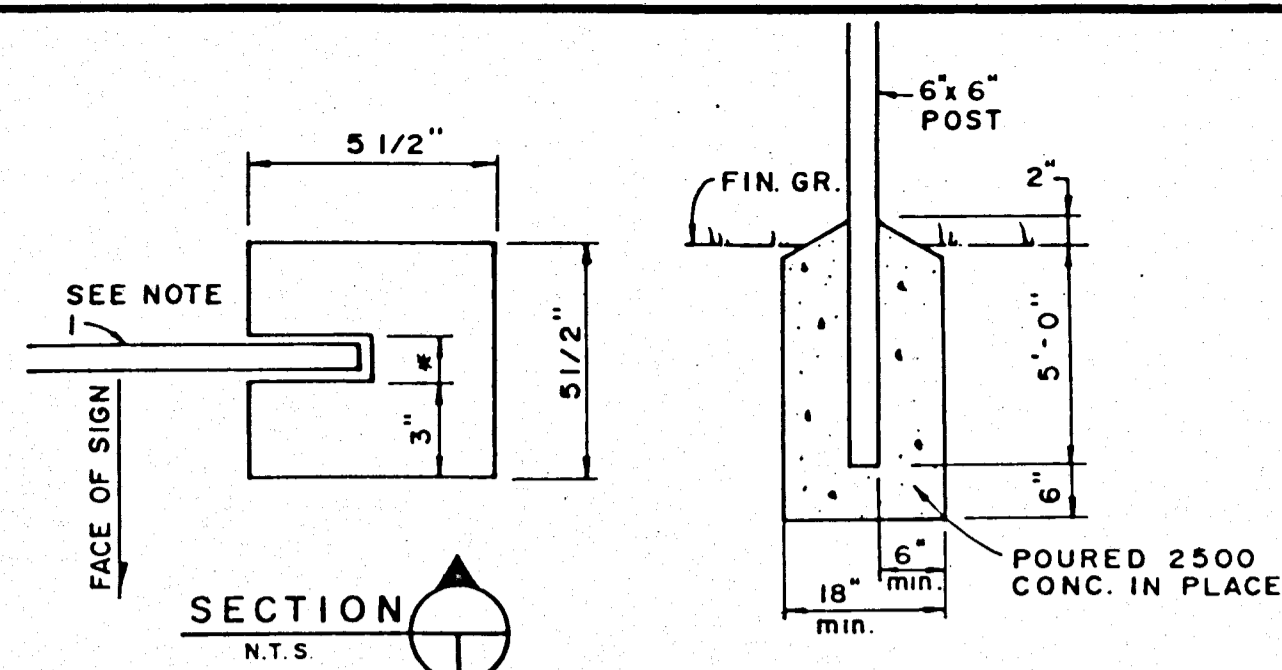
CONSTRUCTION CHANGES:
 1. ELECTRICAL RISER, ADD-A-PHASE RELAYED. (4/10/82)
 2. ELECTRICAL RISER, ADD-A-PHASE CONVERTER, etc. (5/1/82)
 3. Detail 'B' Eler Chg. 5, Notes & Coms. Add Remote Alarm. (5/1/82)

Hardee County, Florida
REGIONAL SANITARY LANDFILL DEWATERING STATION & DETAILS

ENVISORS, Inc.
 Consulting Civil & Environmental Engineers, Economists, and Planners
 WINTER HAVEN, TAMPA, & MARGATE, FLORIDA

Professional Engineer No. 13097

SHEET NUMBER **7** OF 14 SHEETS



NOTES:
 1) SIGN TO BE EXTERIOR TYPE HIGH DENSITY OVERLAIN PLYWOOD OR OTHER APPROVED MATERIAL SUITABLE FOR SIGNS.
 2) COLORS, SIZE OF LETTERS, & INFORMATION TO BE SELECTED BY OWNER.

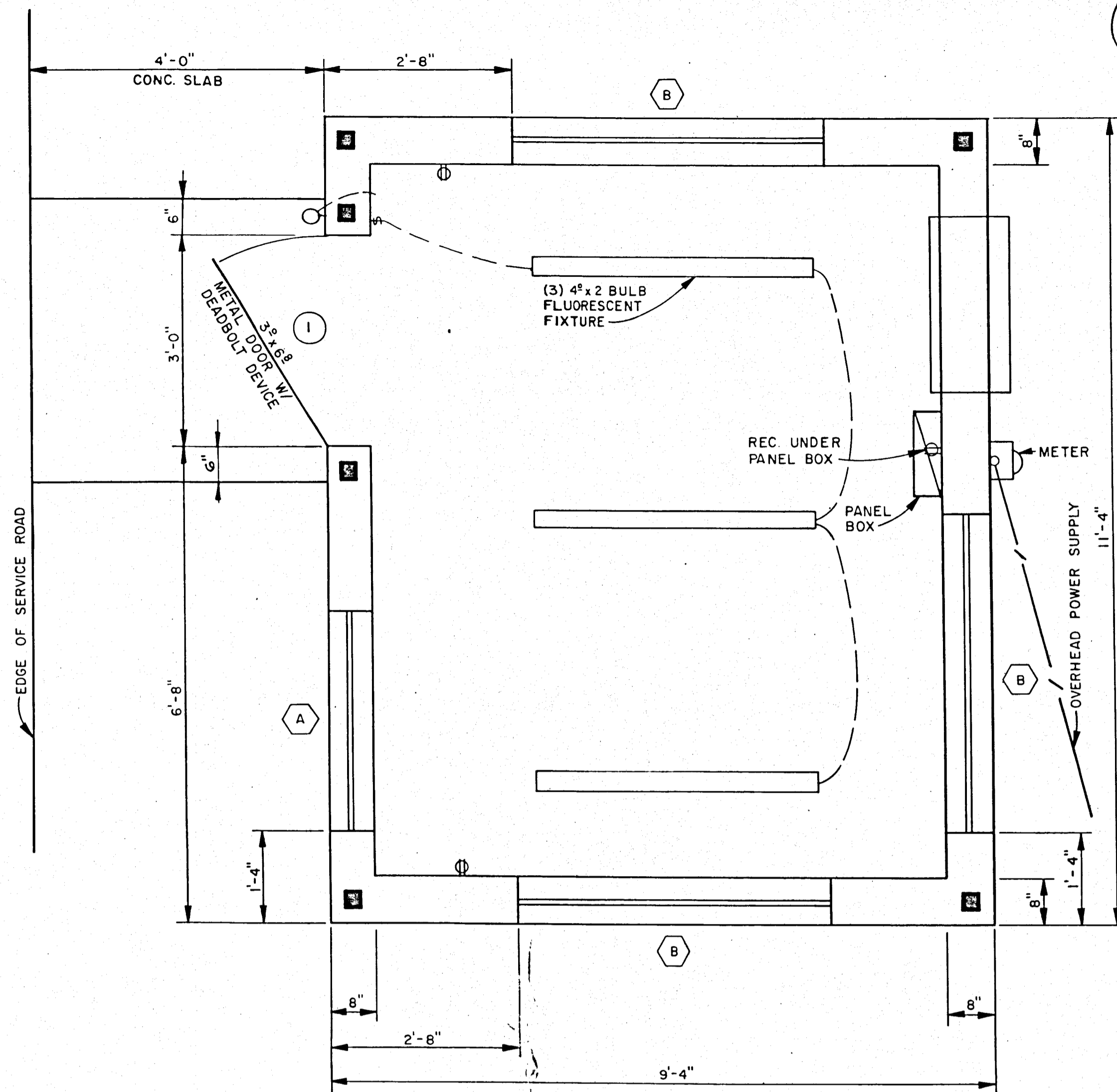
PLAN
ENTRANCE SIGN
N.T.S.

NOTES:

DOOR: U.S. METALS SERIES 1-42 o/e ALL ALUMINUM WITH FACTORY FINISH. DOOR SHALL BE COMPLETELY FLUSH IN DESIGN CONSTRUCTED OF EXTRUDED RAILS AND 050 #10 PATTERN ALUMINUM FACE SHEETS. EDGES SHALL NOT BE "COPPED" WITH CHANNEL MOLDINGS.
 FINISH: CLEAR ANODIZED (0.4 mil min).
 HARDWARE: DOOR AND FRAME AT ALL HINGES AND LOCKS SHALL BE REINFORCED AS PER MANUFACTURER'S EQUIPMENT HAVING A MINIMUM THICKNESS OF .250".
 LOCKING HARDWARE: U.S. METALS, 160 SERIES o/e CYLINDRICAL LOCKS; AND U.S. METALS M.S. 1850 o/e DEAD BOLT LOCK.

GENERAL NOTES

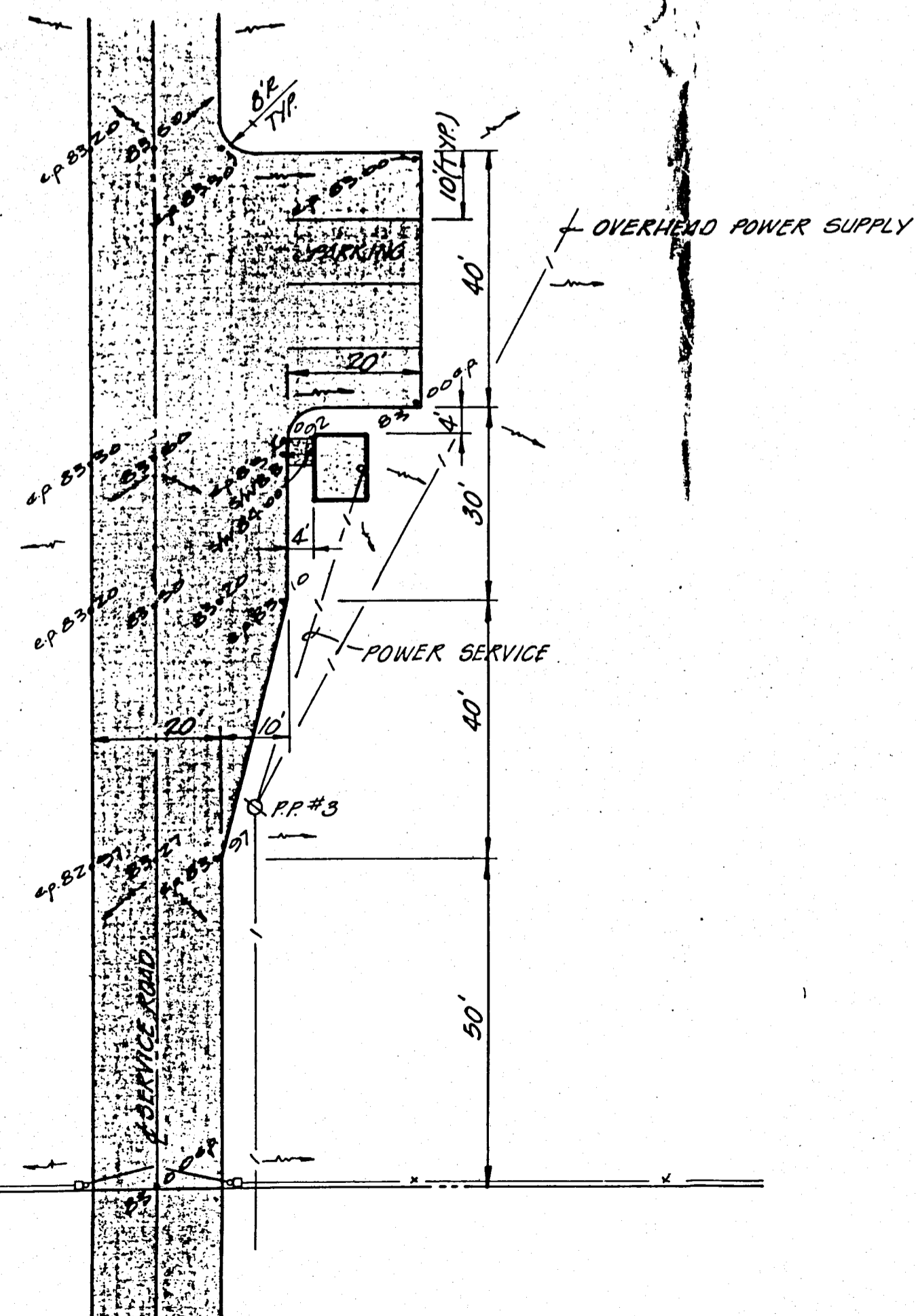
- 1) CONSTRUCTION: ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH MINIMUM STANDARDS OF "THE SOUTHERN FLORIDA BUILDING CODE", 1982 EDITION.
- 2) EXAMINATION OF SITE: CONTRACTOR IS REQUESTED TO VISIT THE SITE, COMPARE THE DRAWINGS WITH ANY WORK IN PLACE, AND INFORM HIMSELF AS TO ALL CONDITIONS, WITHOUT ADDITIONAL COST TO THE OWNER.
- 3) CLEANING: THE CONTRACTOR SHALL KEEP PREMISES FREE FROM ACCUMULATION OF WASTE AND RUBBISH CAUSED BY OPERATIONS. AT COMPLETION OF WORK, REMOVE WASTE MATERIALS, RUBBISH, TOOLS, EQUIPMENT, MACHINERY, AND SURPLUS MATERIAL AND CLEAN ALL EXPOSED SURFACES LEAVING PROJECT CLEAN.
- 4) BUILDING ACCESSORIES: INCLUDE ALL SPACERS, CHAIRS, TIES, AND OTHER DEVICES NECESSARY FOR PROPERLY PLACING, SPACING, SUPPORTING, AND FASTENING REINFORCING IN PLACE.
- 5) FLUORESCENT LIGHTING FIXTURES: FLUORESCENT LIGHTING FIXTURES SHALL BE TWO (2) BULB @ 4'-0" STANDARD LENGTHS. FIXTURES SHALL INCLUDE A METAL REFLECTOR PLATE COVERING BOTH SIDES AND TOP.
- 6) EXTERIOR ENTRANCE LIGHT: ENTRANCE LIGHT SHALL BE SET AND ACTIVATED BY TIMER.
- 7) ALL EXPOSED CONCRETE: ALL EXPOSED CONCRETE SHALL RECEIVE TWO (2) COATS OF SEALER AND ONE (1) FINISH COAT OF APPROVED PAINT, COLOR SELECTED BY OWNER.
- 8) ALUMINUM TRIM: MATERIAL AS SPECIFIED ON DRAWINGS; COLOR SHALL BE BROWN UNLESS OTHERWISE DIRECTED BY OWNER.
- 9) CONCRETE FLOOR AND PORCH SLABS: SHALL HAVE A SKID-RESISTANCY FACTOR AND A 0.5 COEFFICIENT OF FRICTION FACTOR, GENERALLY A "BROOM FINISH IS ACCEPTABLE."



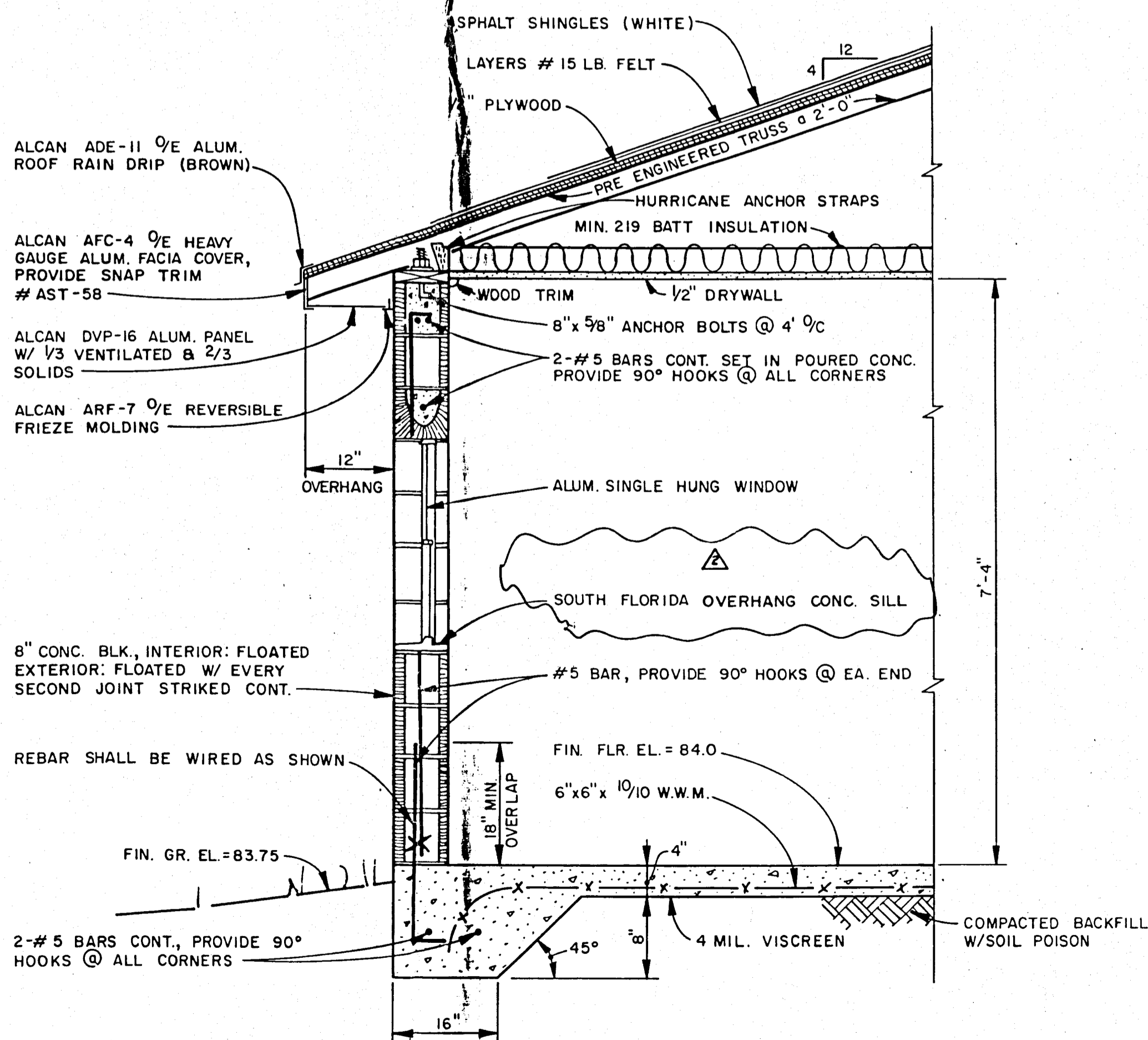
FLOOR PLAN
SCALE: 3/4" = 1'-0"

MARK	SIZE	TYPE	MT'L	REMARKS
①	3' x 6' 0" CUR	L.H.	ALUM.	MATCHING ALUM. FRAME W/ T ANCHOR SUPPORTS

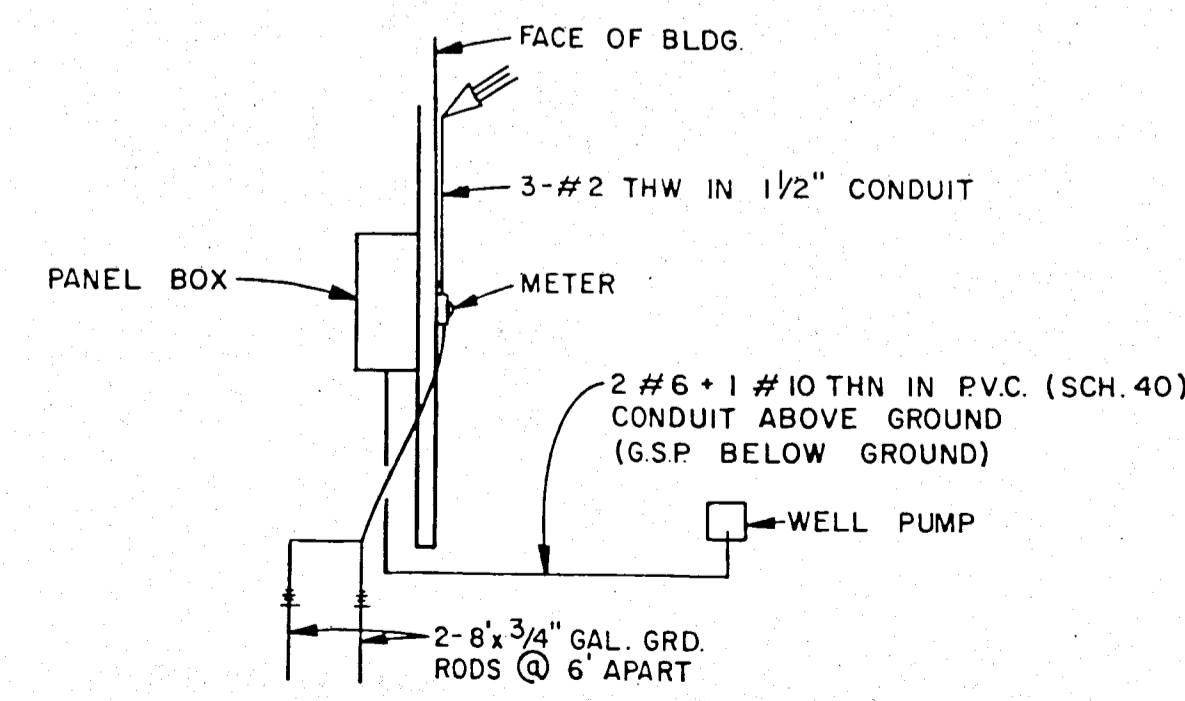
MARK	SIZE	TYPE	MT'L	REMARKS
Ⓐ	37" x 36 1/2"	SINGLE HUNG	ALUM.	
Ⓑ	53 1/2" x 38 1/2"	"	"	



GATE HOUSE AREA
SCALE: 1" = 20'



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



ELECTRICAL RISER
N.T.S.

RECORD DRAWING

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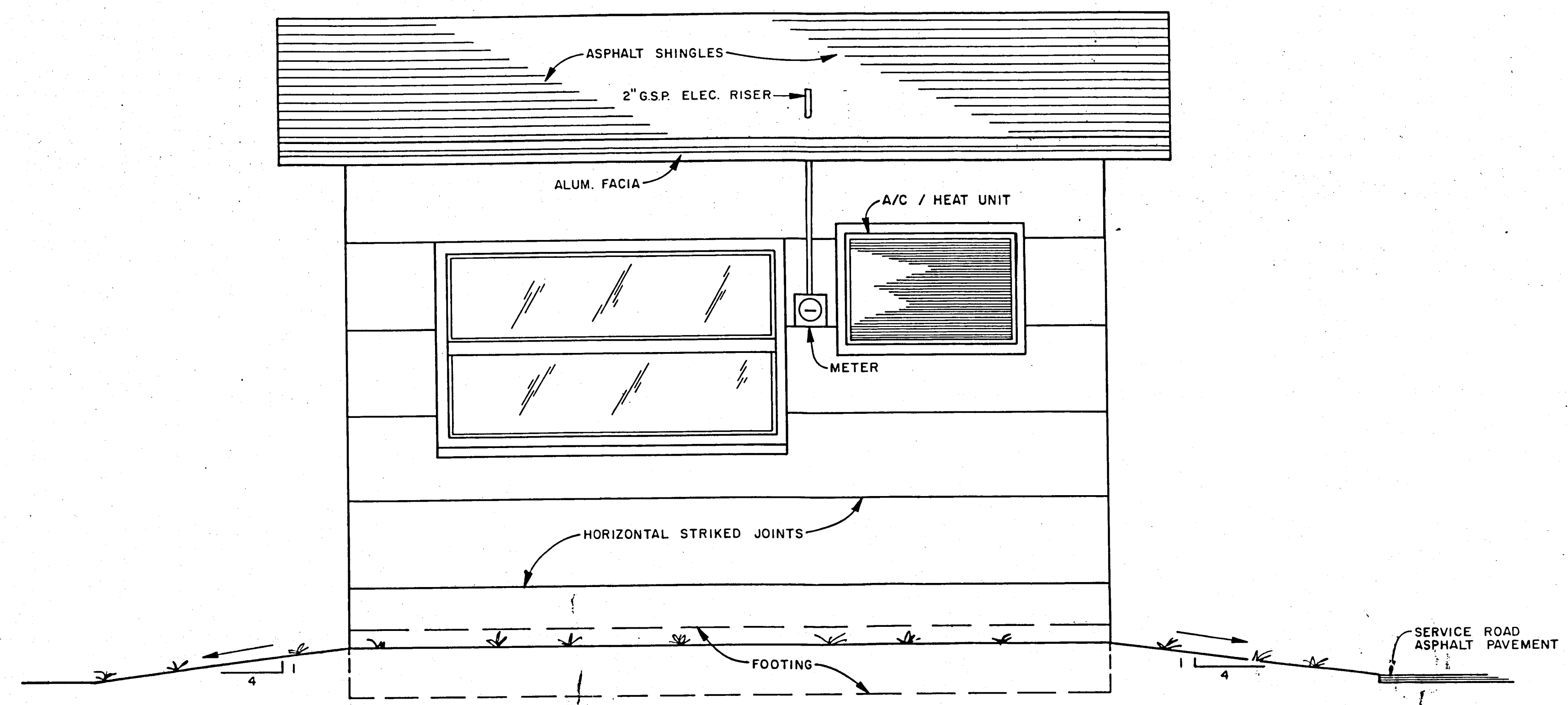
HARDEE COUNTY, FLORIDA
 REGIONAL SANITARY LANDFILL
**GATE HOUSE,
 SITE PLAN & DETAILS**
 Florida Registered Professional Engineer No. 13,097

Designed	C.S.L.	No.
Drawn	C.S.L.	
Checked	D.D.	
Approved	B.D.	
Job No.	B1014	
Date	10/82	

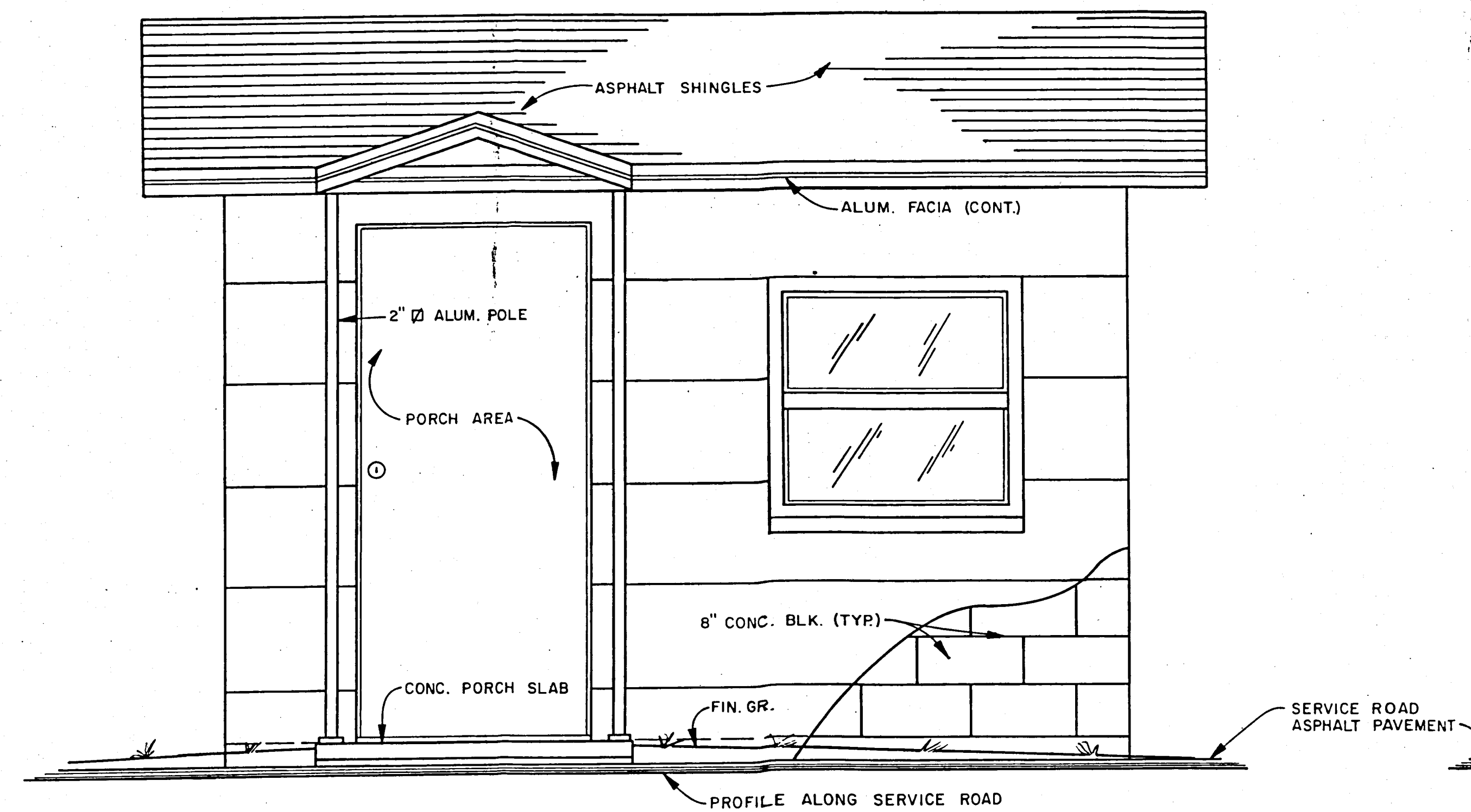
By: *[Signature]*
 Title: *[Title]*
 Date: *[Date]*

ENVISORS, Inc.
 Consulting Civil & Environmental Engineers
 Economists, and Planners
 WINTER HAVEN, TAMPA, & MARGATE, FLORIDA

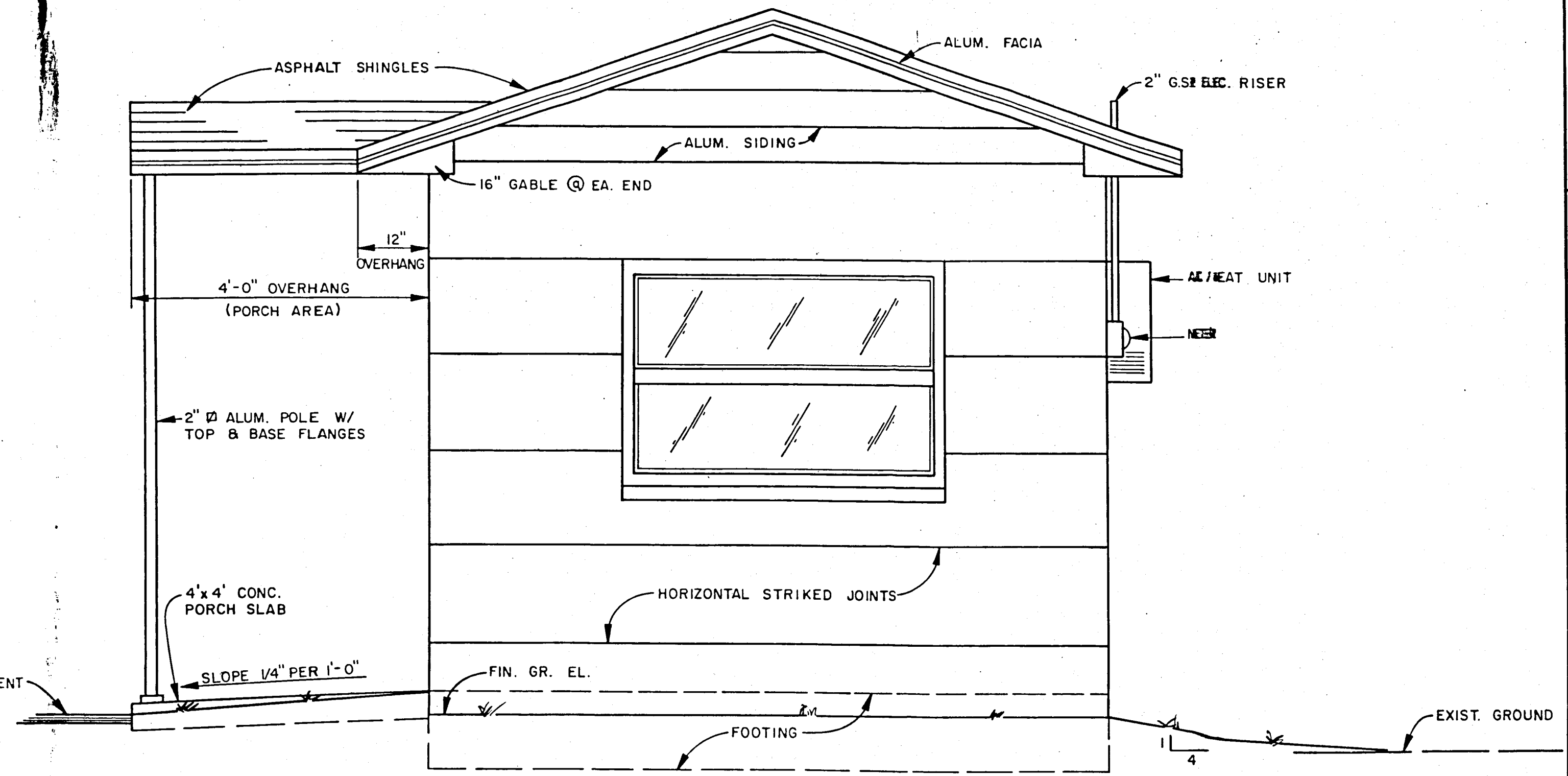
SHEET NUMBER
08
 OF 14 SHEETS



NORTH ELEVATION
SCALE: 3/4" = 1'-0"



SOUTH ELEVATION
SCALE: 3/4" = 1'-0"



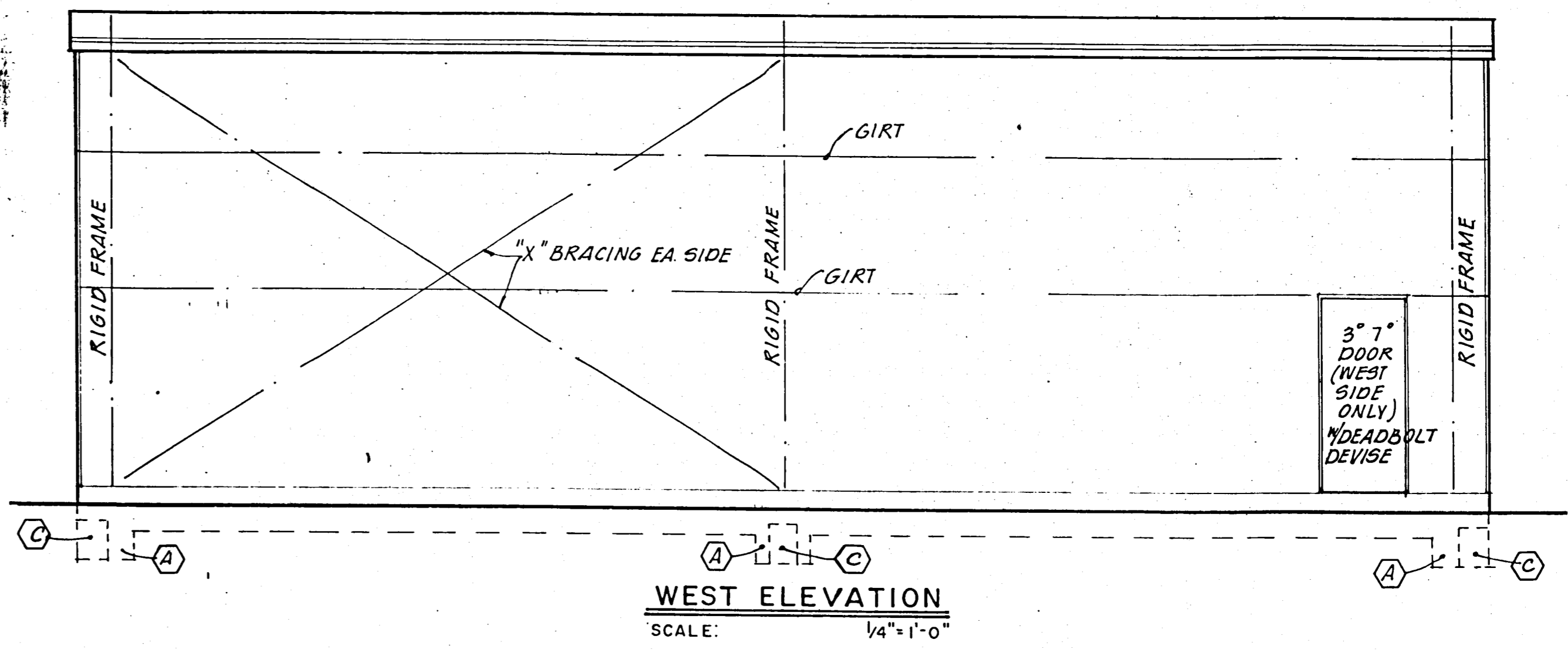
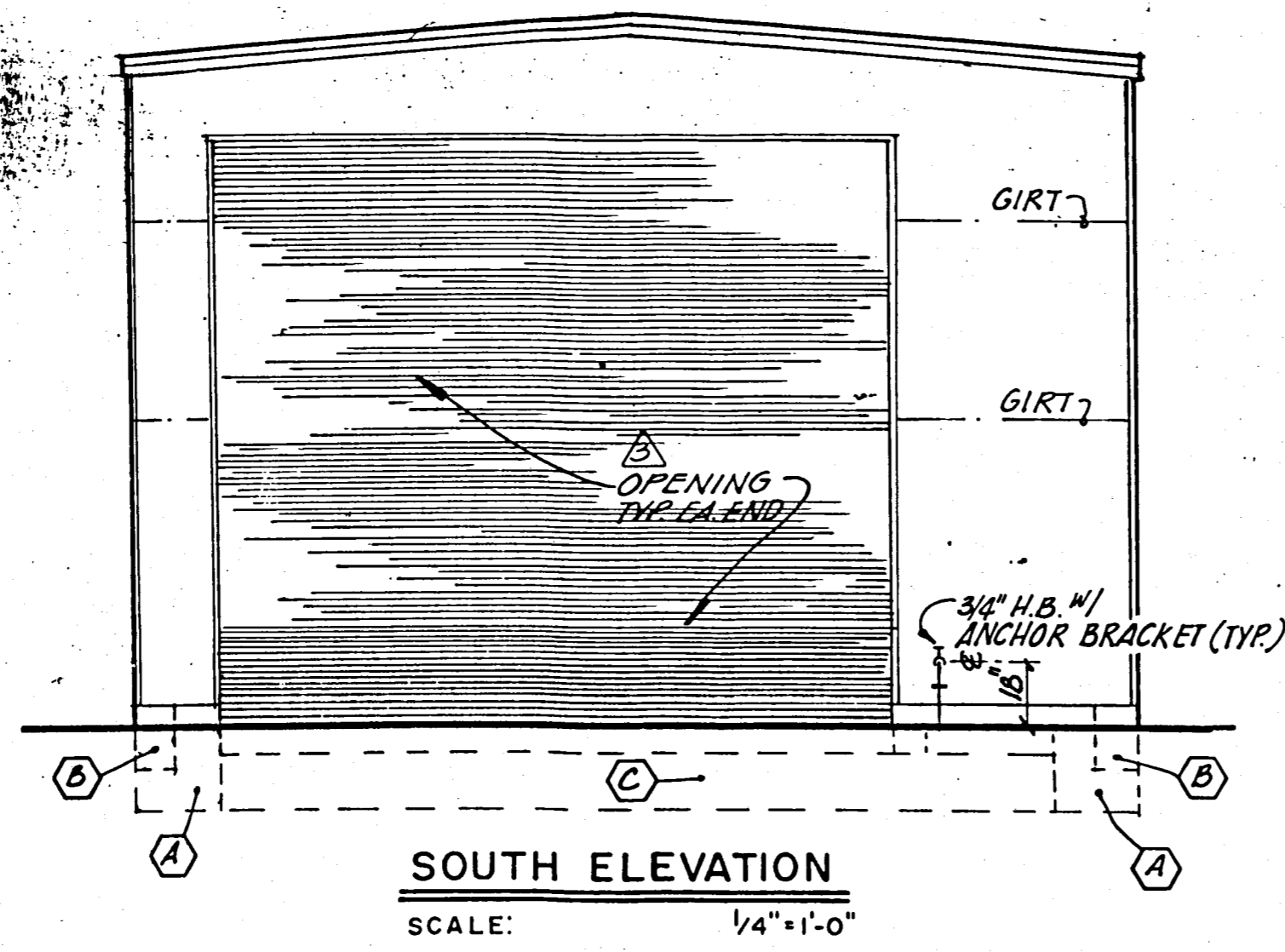
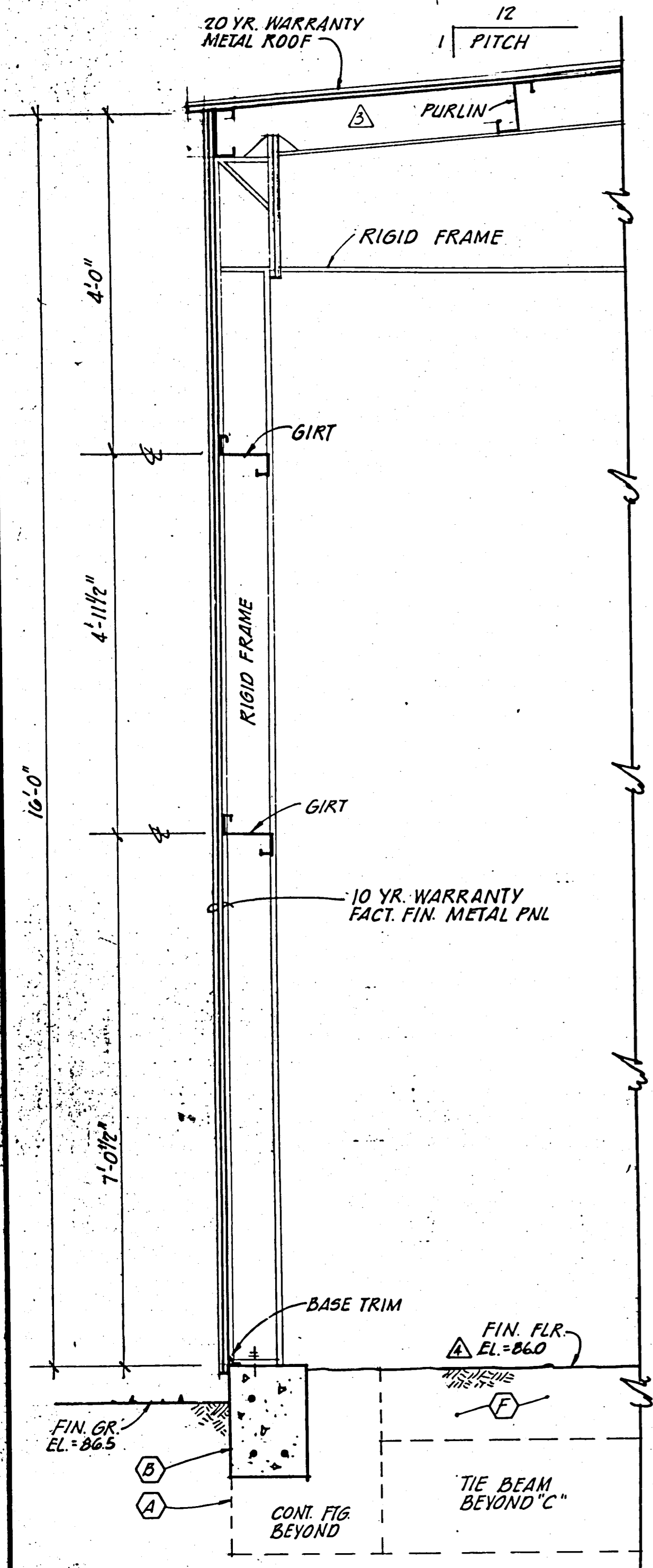
EAST ELEVATION
SCALE: 3/4" = 1'-0"

RECORD DRAWING

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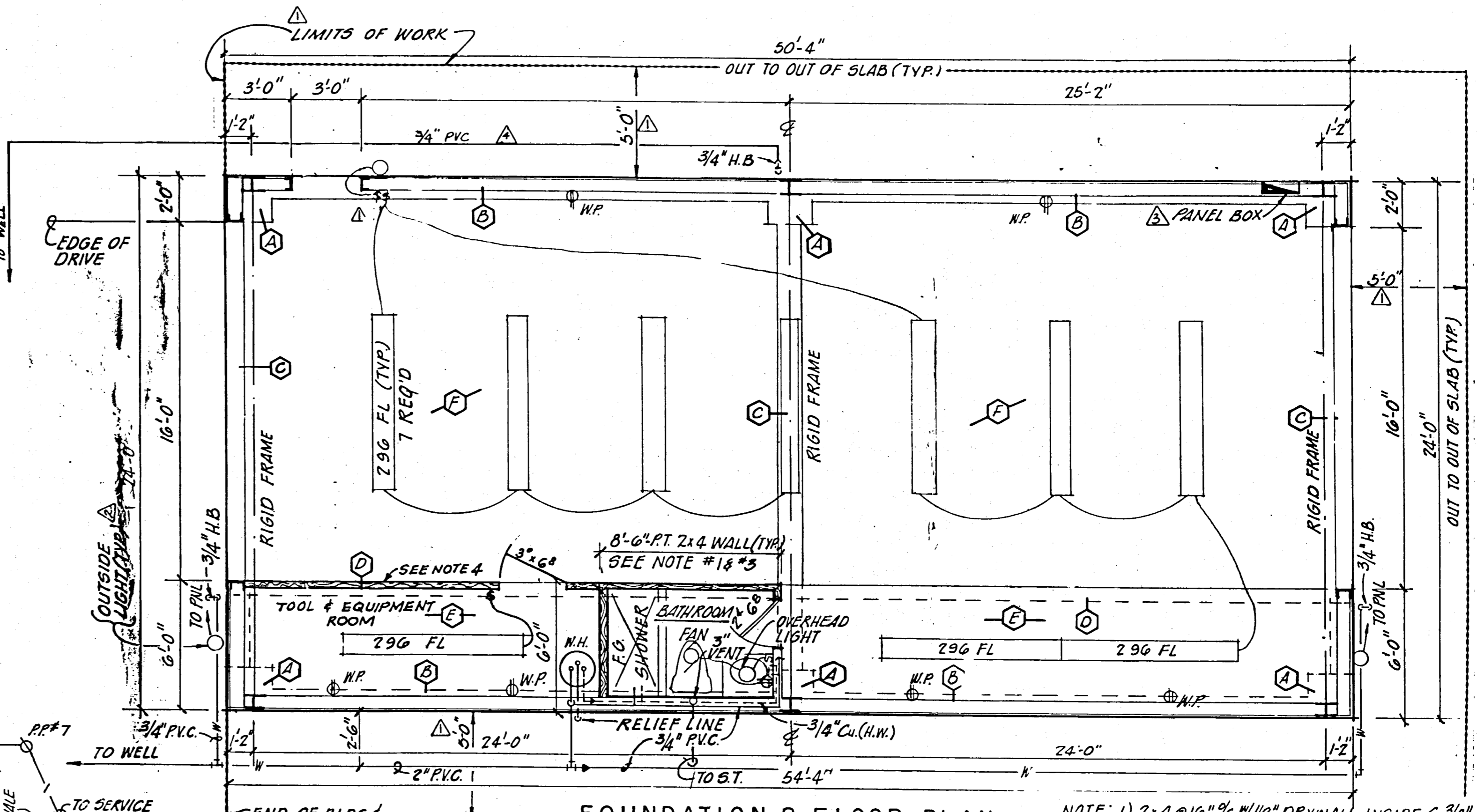
DESIGNED		CSL	
DRAWN		KCS	
CHECKED		DD	
APPROVED		DD	
DATE	JOB NO.	NO.	REVISION DESCRIPTION
10/82	81041	10/82	New Sheet
HARDEE COUNTY, FLORIDA REGIONAL SANITARY LANDFILL GATE HOUSE EXTERIOR ELEVATIONS		ENVISORS, Inc. Consulting Civil, Environmental Engineers, Economists, and Planners WINTER HAVEN, TAMPA, & MARGATE, FLORIDA	
SHEET NUMBER		10	
OF 14 SHEETS			



FOOTING SCHEDULE

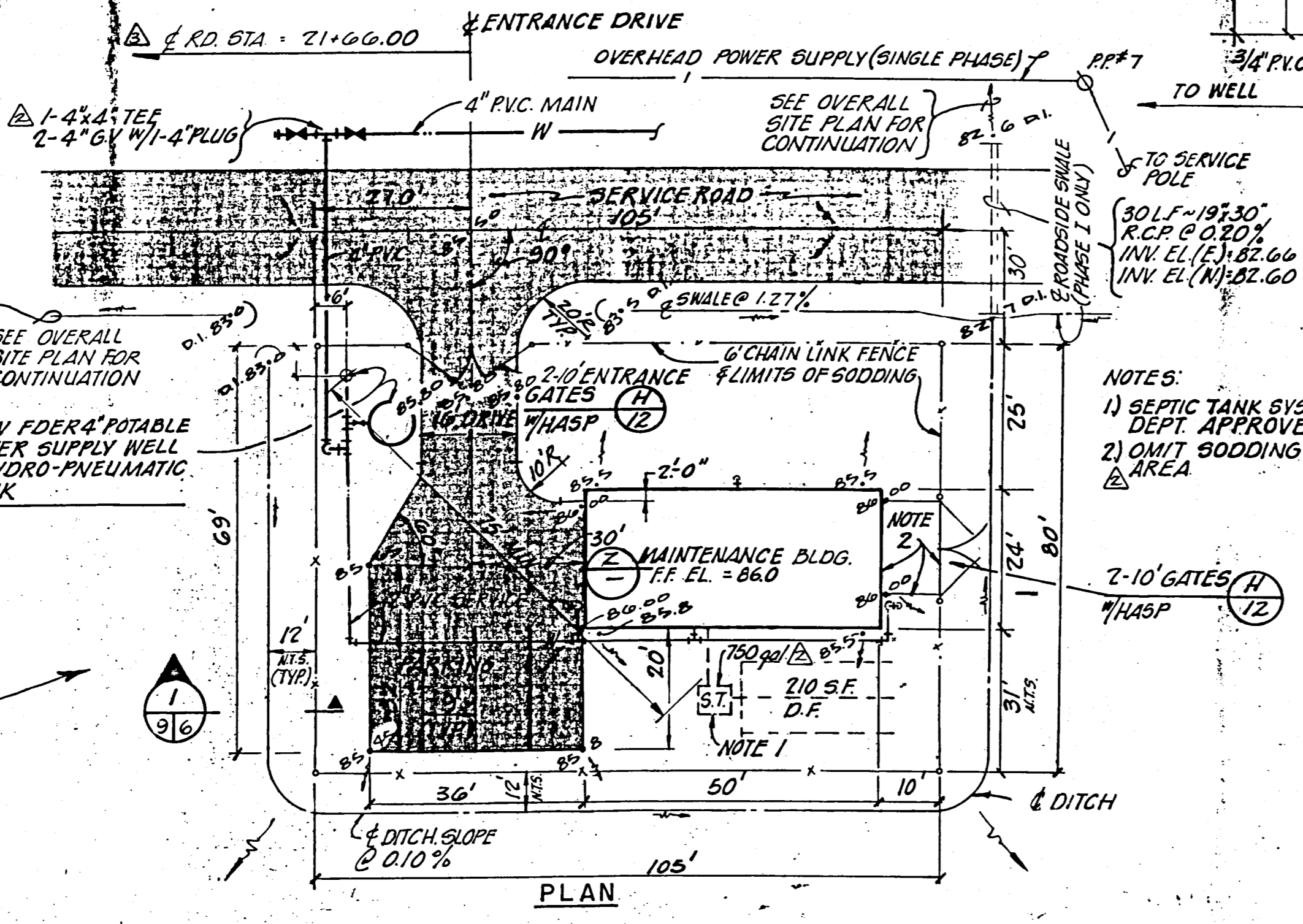
- (A) = 2'-0" x 2'-0" x 2'-0" w/ #6 @ 6" OC EA. WAY
- (B) = 1'-0" x 1'-0" x CONT w/ 3-#5 (@ TOP OF FTG. "A")
- (C) = 1'-0" x 1'-0" x 24'-0" w/ 3-#5 (@ BOTTOM OF FTG. "A")
- (D) = 8" x 12" BELL FTG. w/ #5
- (E) = 4" REINF CONC SLAB (3000 P.S.I. CONC.) w/ #6 @ 10" W.W.M. ON G MIL VISQUEEN
- (F) = LIMEROCK/SHELL BASE 8" MIN. THICKNESS, COMPACTED TO F.B.V. 40

NOTE:
A & C TO BE TIED TOGETHER w/ #5 REBAR @ 30" DIA, PROVIDE 90° HOOKS



NOTE:

- 1) 2x4 @ 16" OC w/ 1/2" DRYWALL INSIDE & 3/8" EXTERIOR SIDING OUTSIDE, HAVING A CEILING HEIGHT OF 8'-0"
- 2) OUTSIDE LIGHTS - KEEN (2-150 W PAR 38) CAT No 2-G700 B, LOCATE AS SHOWN.
- 3) PREPARE DRYWALL & COAT INSIDE w/ WATER PROOF COVERING (MARLITE OR APPROVED EQUAL.)



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

FOUNDATION & FLOOR PLAN
SCALE: 1/4" = 1'-0"

MAINTENANCE AREA
SCALE: 1" = 20'

ELEC. RISER
N.T.S.

PLUMBING RISER
N.T.S.

RECORD DRAWING

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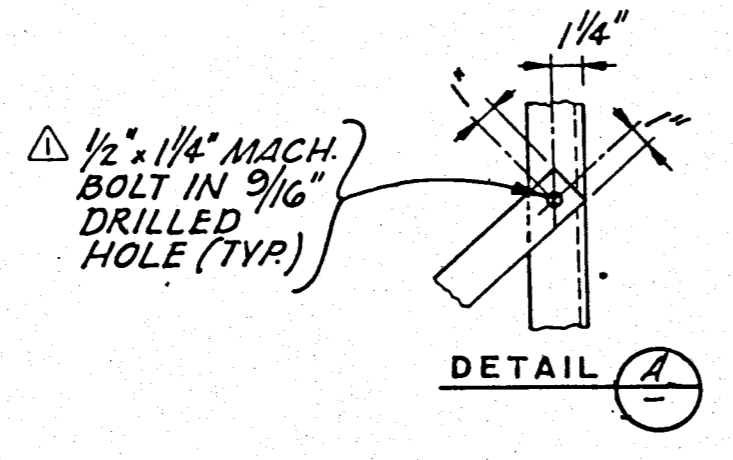
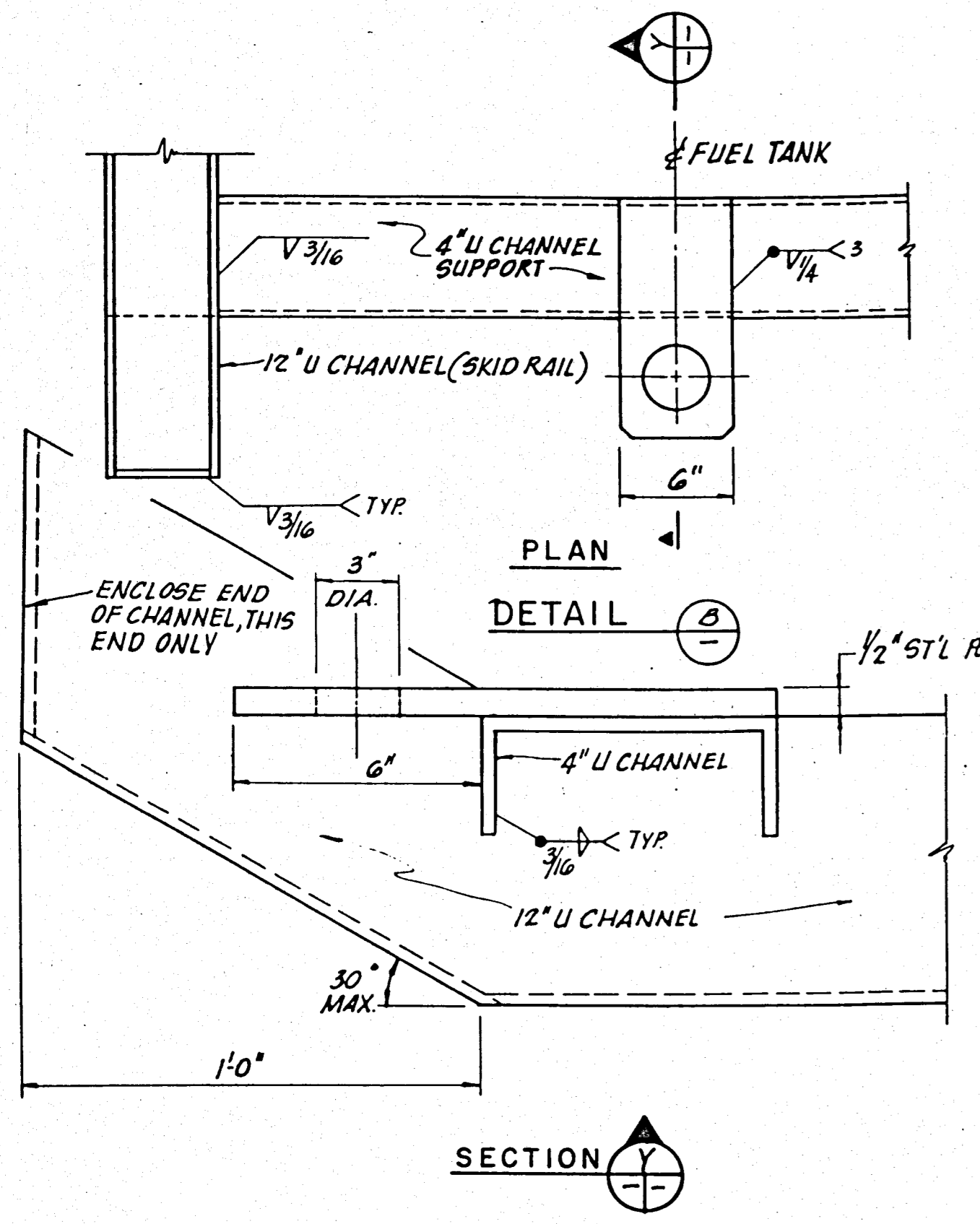
The Engineer, Envisors, Inc., is not responsible for the accuracy or validity of the Record Drawing information depicted hereon.

10

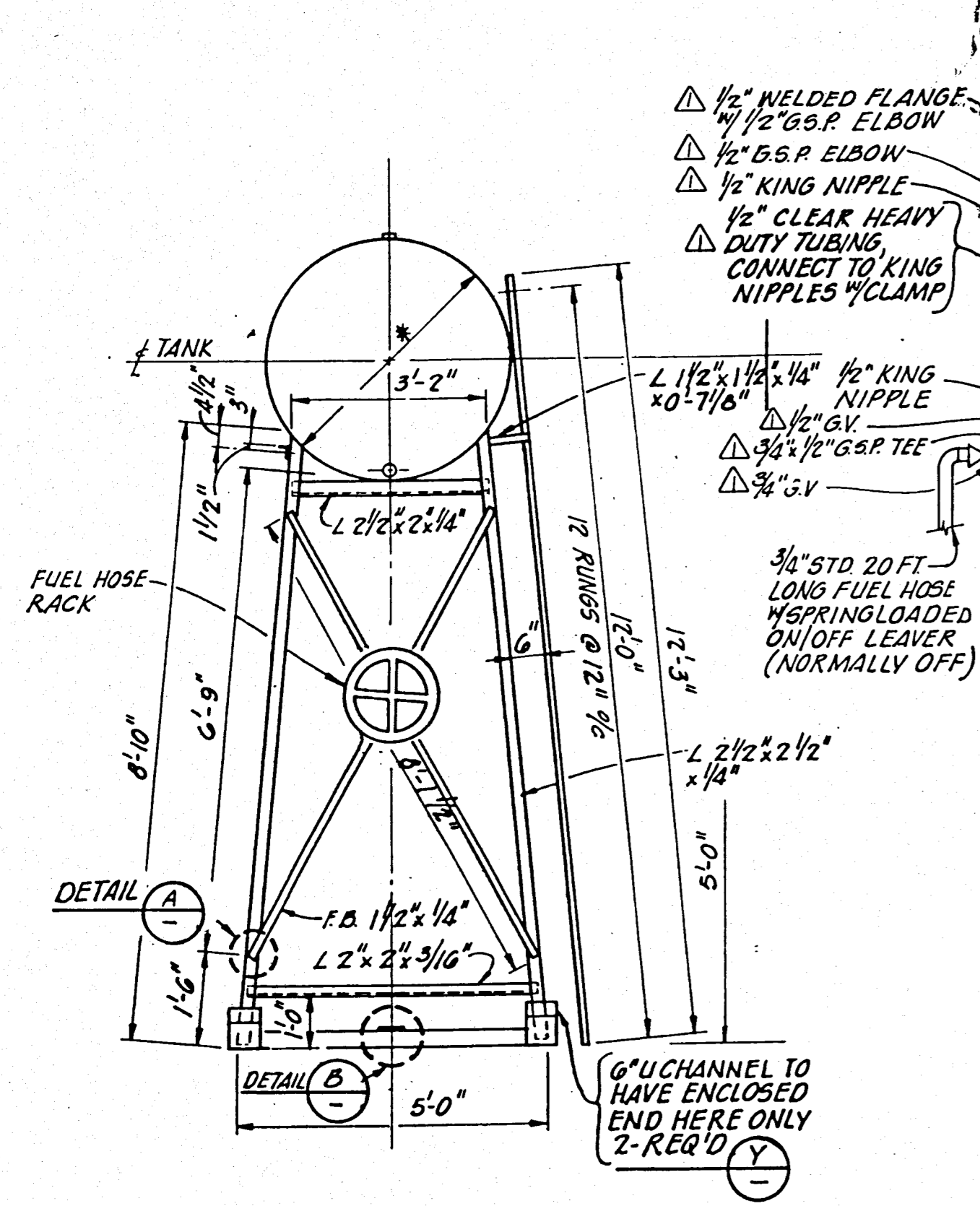
No.	Date	By	Description
1014	10/82		Electrical, Limits of Work Added, Checked by J.H.M.
8104			Electrical, Electrical
D.D.			Grading, Masses, Electrical
D.D.			Electrical, Electrical
D.D.			Electrical, Electrical
D.D.			Electrical, Electrical

ENVISORS, Inc.
 Consulting Civil & Environmental Engineers
 Economists, and Planners
 WINTER HAVEN, TAMPA, & MARGATE, FLORIDA

SHEET NUMBER
10
 OF 14 SHEETS



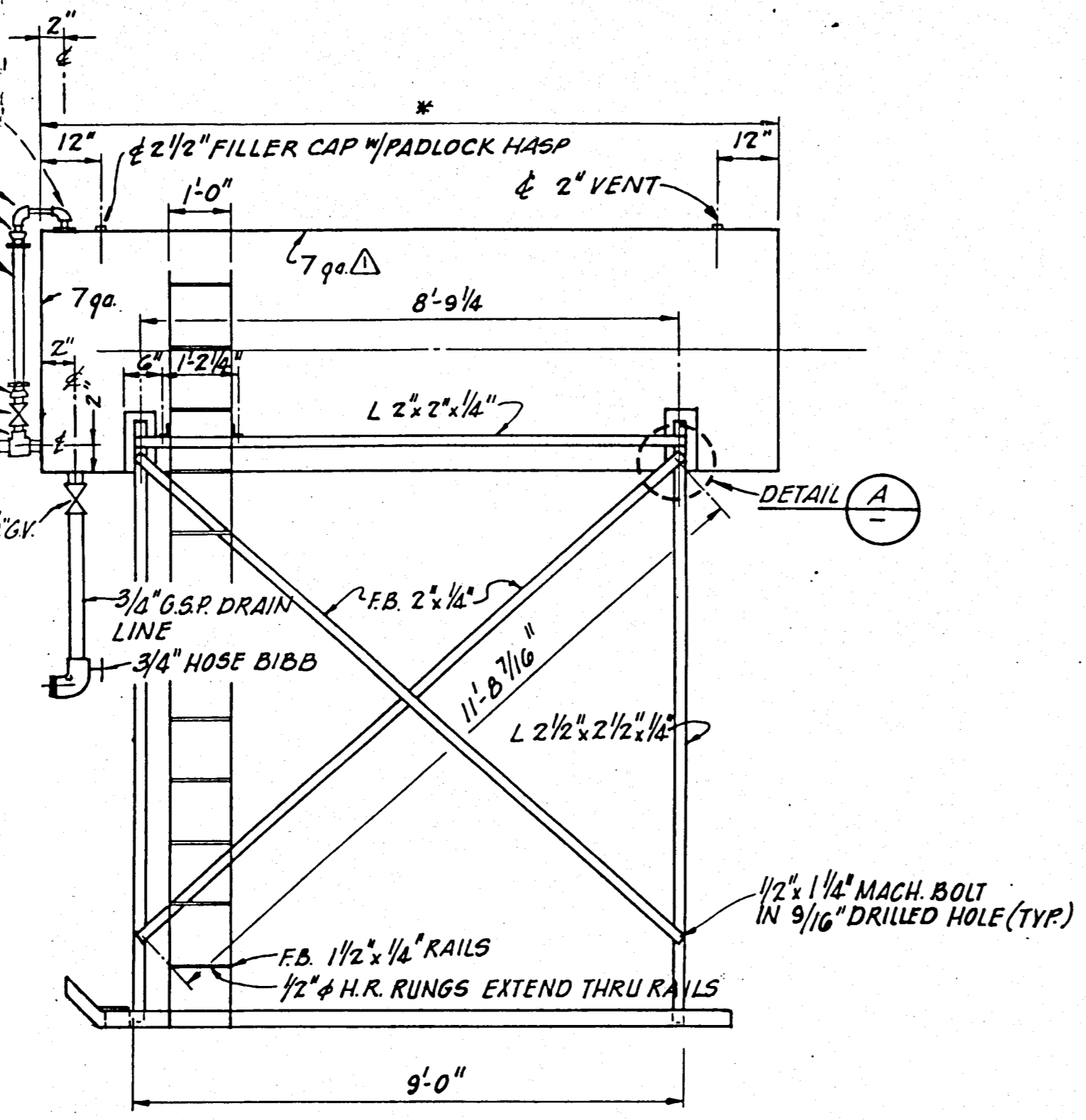
NOTE: ALL EXPOSED METAL AREAS SHALL BE COATED IN ACCORDANCE WITH THE PAINTING & FINISHING SECTION OF THE SPECIFICATIONS FOR EXTERIOR FERROUS METALS.



NOTE: * AS PER MFR'S EQUIPMENT.

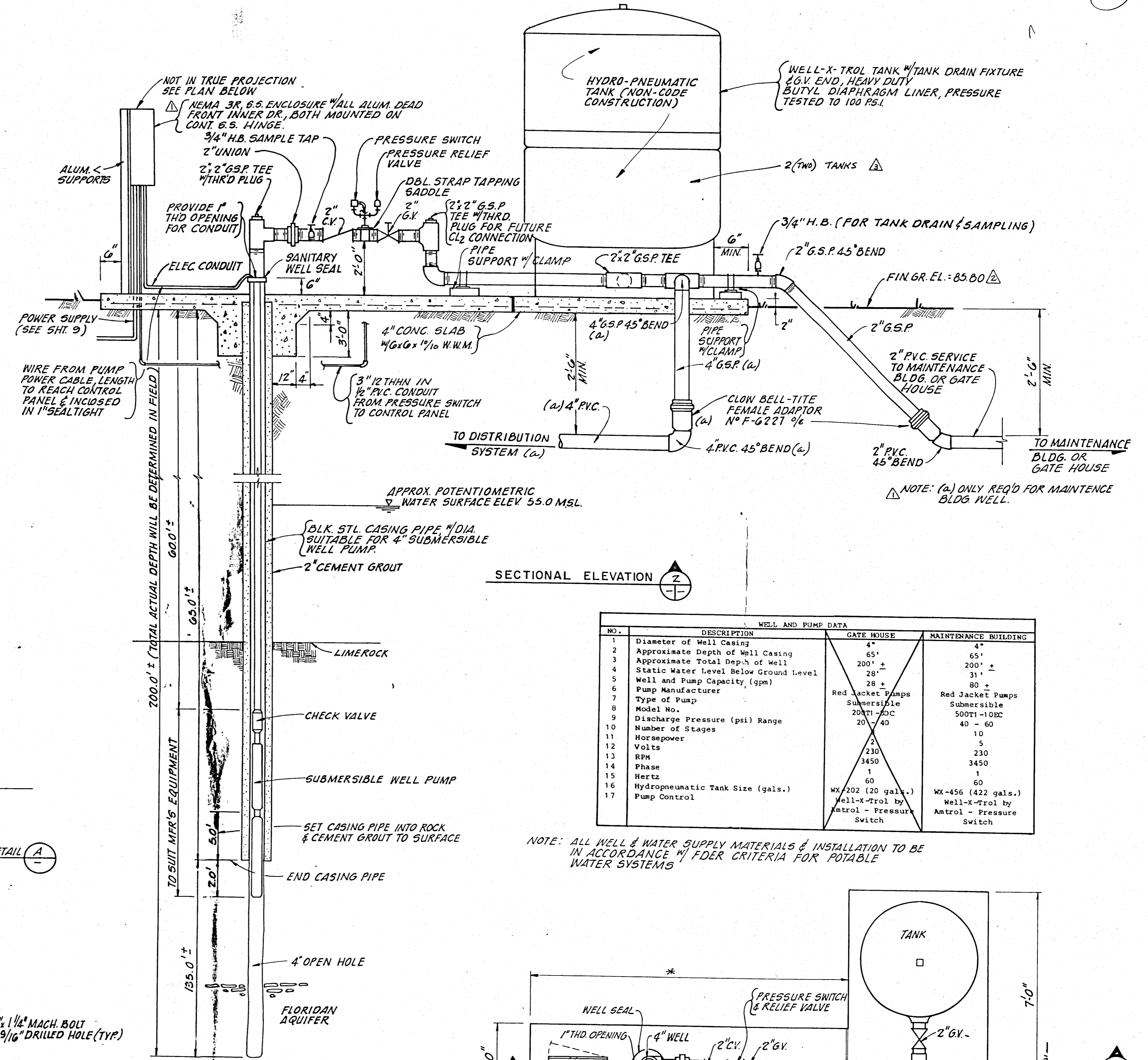
FRONT VIEW

FUEL STORAGE TANK
N.T.S.



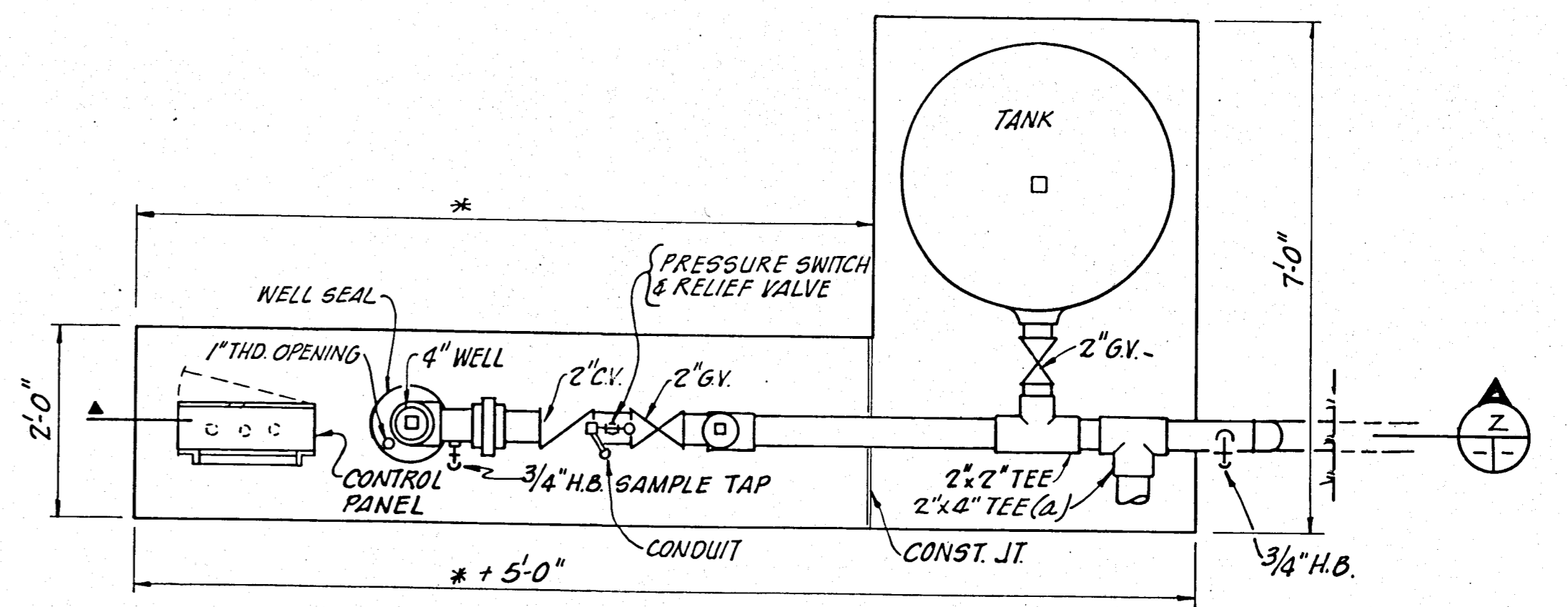
SIDE VIEW

NOTE: EXTREME CARE SHALL BE EXERCISED WHEN MOVING FUEL TANK. IT SHALL ONLY BE MOVED WHEN TANK CONTAINS LESS THAN 50 (FIFTY) GALLONS.



WELL AND PUMP DATA			
NO.	DESCRIPTION	GATE HOUSE	MAINTENANCE BUILDING
1	Diameter of Well Casing	4"	4"
2	Approximate Depth of Well Casing	65'	65'
3	Approximate Total Depth of Well	200' ±	200' ±
4	Static Water Level Below Ground Level	28'	31'
5	Well and Pump Capacity (gpm)	28 ±	80 ±
6	Pump Manufacturer	Red Jacket Pumps	Red Jacket Pumps
7	Type of Pump	Submersible	Submersible
8	Model No.	20RT-10C	500T-10C
9	Discharge Pressure (psi) Range	20 - 40	40 - 60
10	Number of Stages	1	10
11	Horsepower	2	5
12	Volts	230	230
13	RPM	3450	3450
14	Phase	1	1
15	Hertz	60	60
16	Hydropneumatic Tank Size (gals.)	WX-202 (20 gals.)	WX-456 (422 gals.)
17	Pump Control	Well-X-Trol by Antrol - Pressure Switch	Well-X-Trol by Antrol - Pressure Switch

NOTE: ALL WELL & WATER SUPPLY MATERIALS & INSTALLATION TO BE IN ACCORDANCE WITH FDER CRITERIA FOR POTABLE WATER SYSTEMS



NOTE: * TO BE DETERMINED IN FIELD

PLAN

WELL & STORAGE TANK
N.T.S.

MIRROR IMAGE REFER TO SHEET 5 SITE PLAN

RECORD DRAWING
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Hardee County, Florida
Regional Sanitary Landfill
Well & Misc. Details

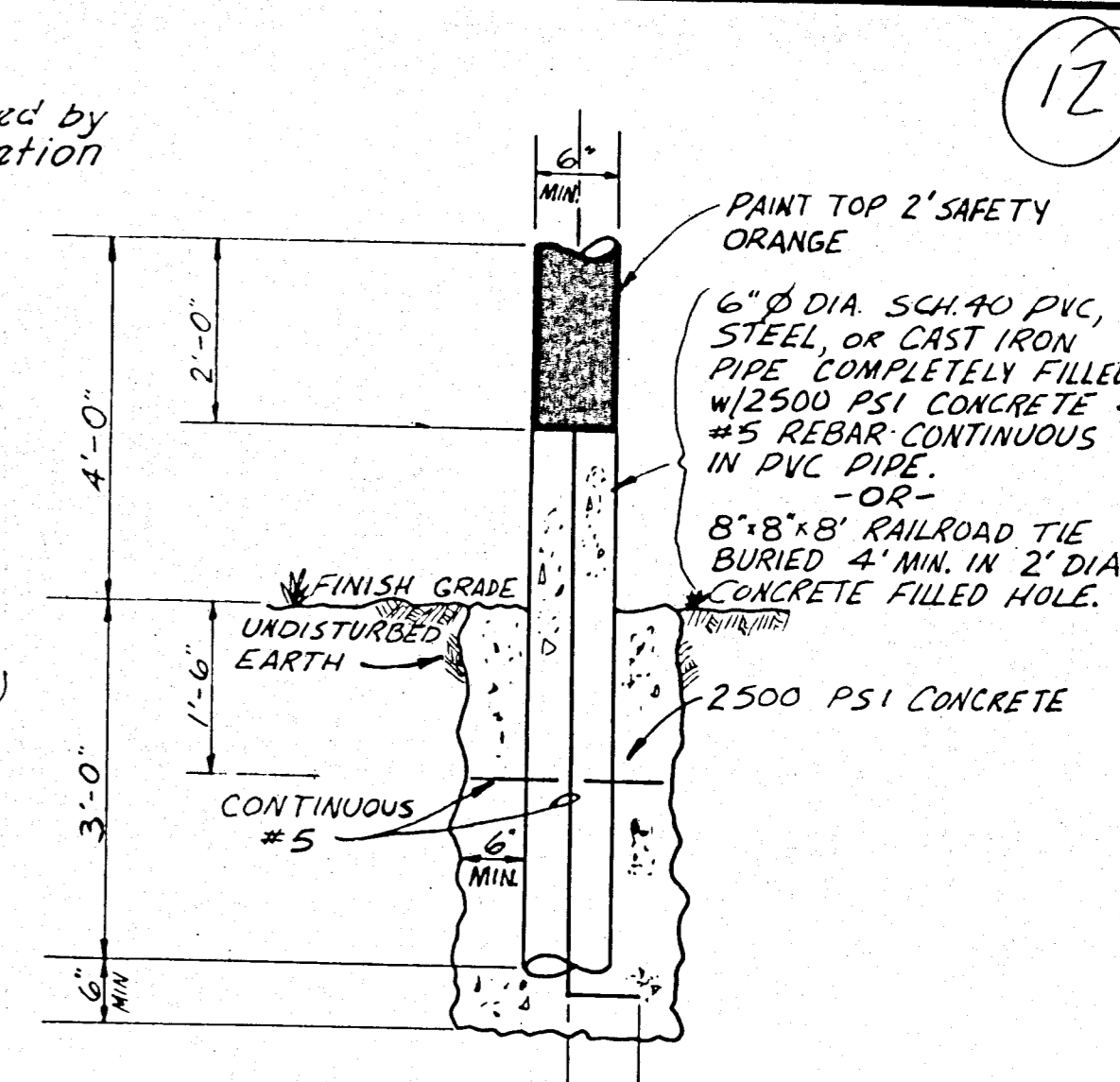
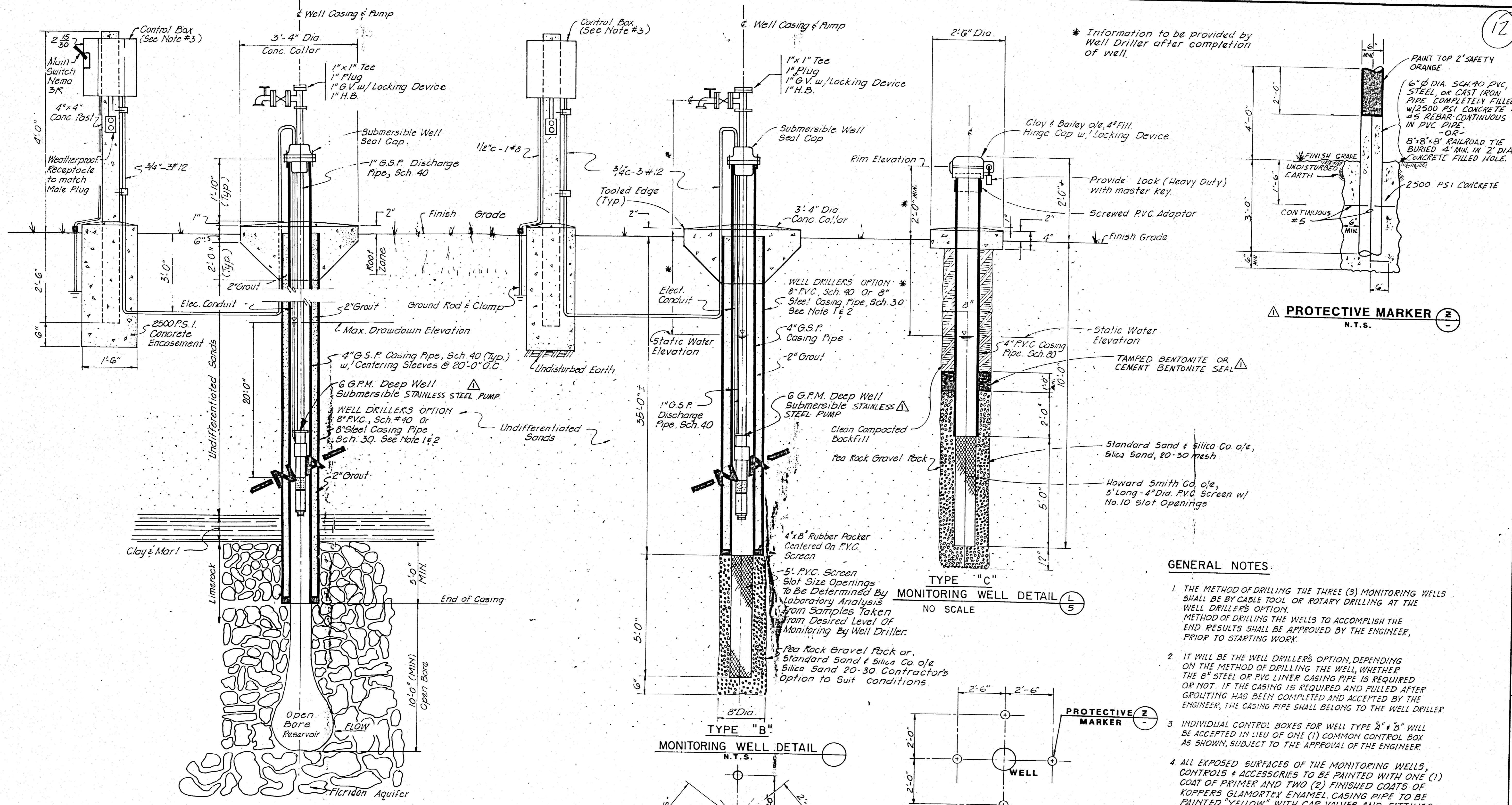
ENVIORS, Inc.
Consulting Civil & Environmental Engineers
Economists, and Planners
WINTER HAVEN, TAMPA, & MARGATE, FLORIDA

DESIGNED: [Signature]
DRAWN: [Signature]
CHECKED: [Signature]
APPROVED: [Signature]
DATE: 10/82

REVISIONS:
1. [Signature] 10/82
2. [Signature] 10/82

BY: [Signature] DATE: 10/82

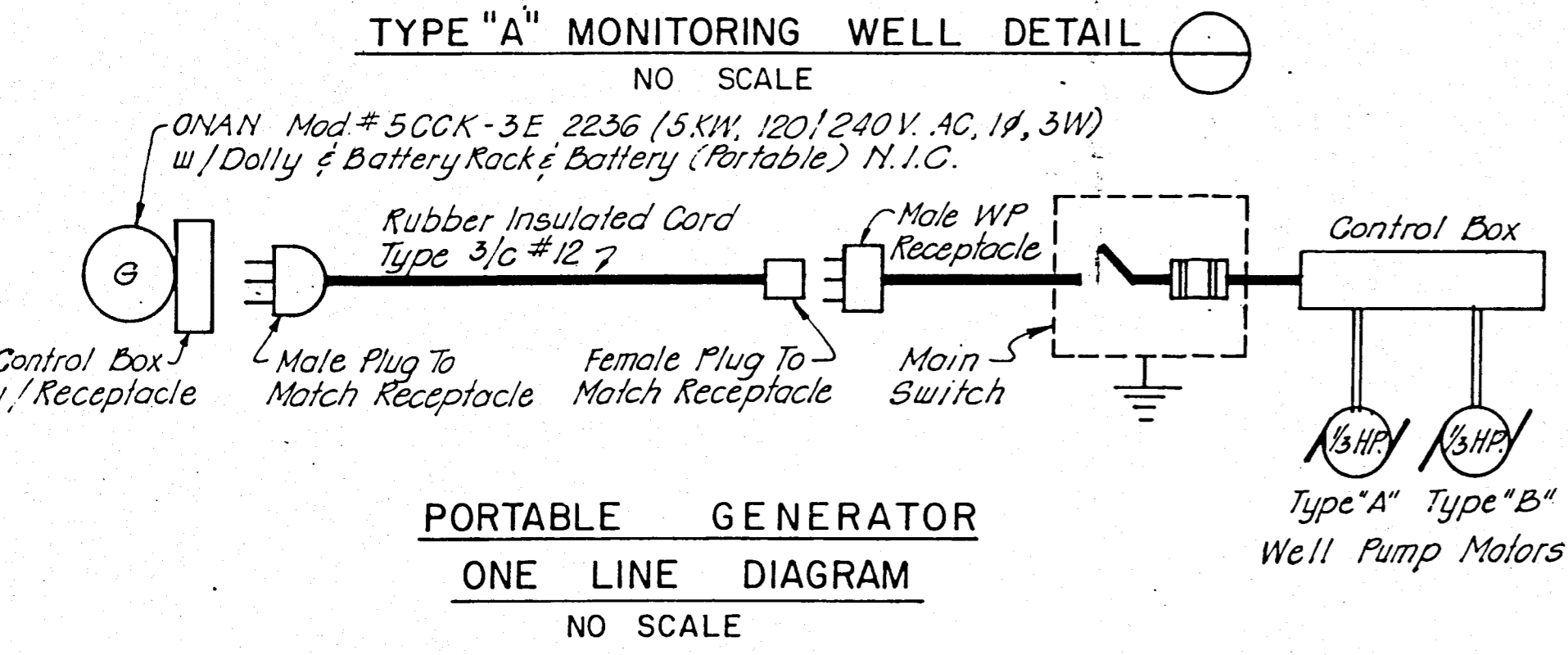
11 OF 74 SHEETS



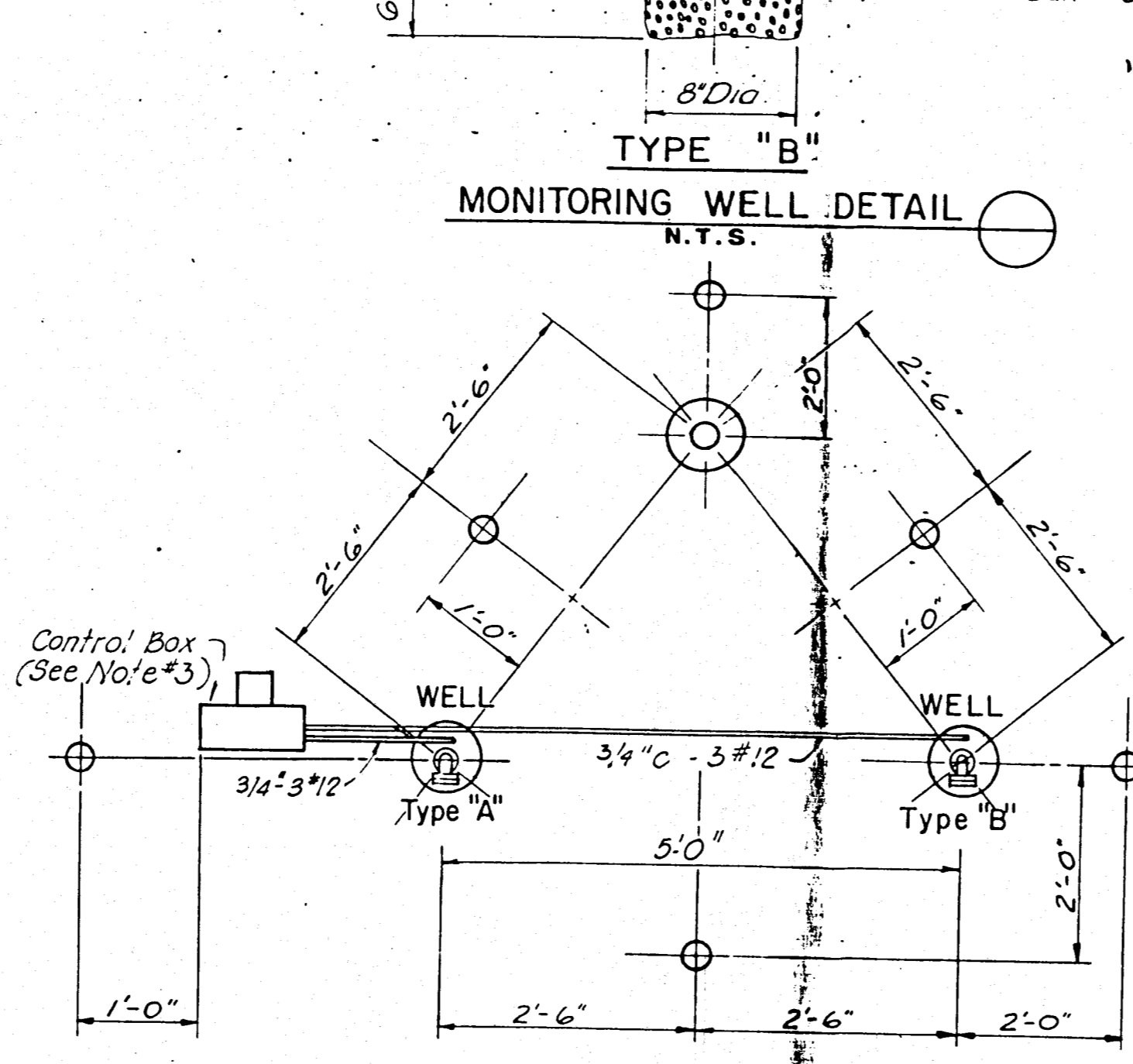
PROTECTIVE MARKER
N.T.S.

GENERAL NOTES:

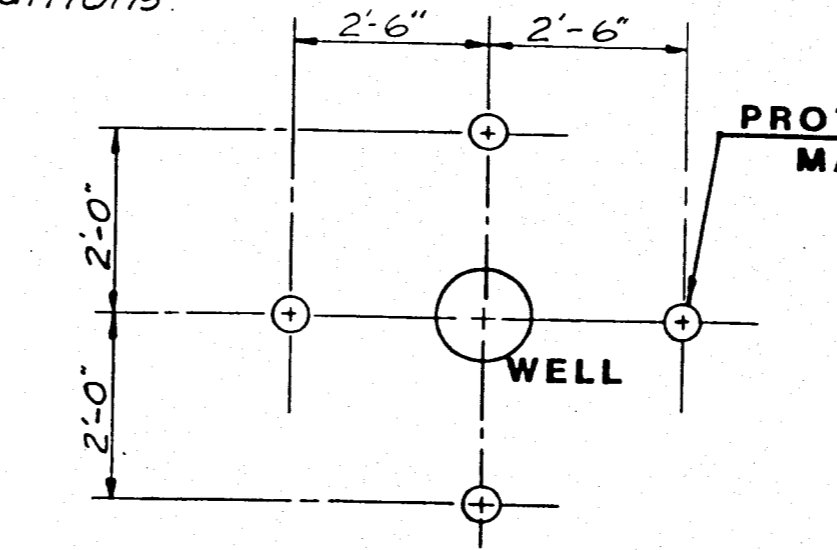
1. THE METHOD OF DRILLING THE THREE (3) MONITORING WELLS SHALL BE BY CABLE TOOL OR ROTARY DRILLING AT THE WELL DRILLER'S OPTION. METHOD OF DRILLING THE WELLS TO ACCOMPLISH THE END RESULTS SHALL BE APPROVED BY THE ENGINEER, PRIOR TO STARTING WORK.
2. IT WILL BE THE WELL DRILLER'S OPTION, DEPENDING ON THE METHOD OF DRILLING THE WELL, WHETHER THE 8" STEEL OR PVC LINER CASING PIPE IS REQUIRED OR NOT. IF THE CASING IS REQUIRED AND PULLED AFTER GROUTING HAS BEEN COMPLETED AND ACCEPTED BY THE ENGINEER, THE CASING PIPE SHALL BELONG TO THE WELL DRILLER.
3. INDIVIDUAL CONTROL BOXES FOR WELL TYPE "A" & "B" WILL BE ACCEPTED IN LIEU OF ONE (1) COMMON CONTROL BOX AS SHOWN, SUBJECT TO THE APPROVAL OF THE ENGINEER.
4. ALL EXPOSED SURFACES OF THE MONITORING WELLS, CONTROLS & ACCESSORIES TO BE PAINTED WITH ONE (1) COAT OF PRIMER AND TWO (2) FINISHED COATS OF KOPPER'S GLAMORTEX ENAMEL. CASING PIPE TO BE PAINTED "YELLOW", WITH CAP VALVES AND FITTINGS PAINTED "LIGHT BLUE". CONTROL BOX, CONDUITS AND ACCESSORIES SHALL BE PAINTED "LIGHT BLUE".



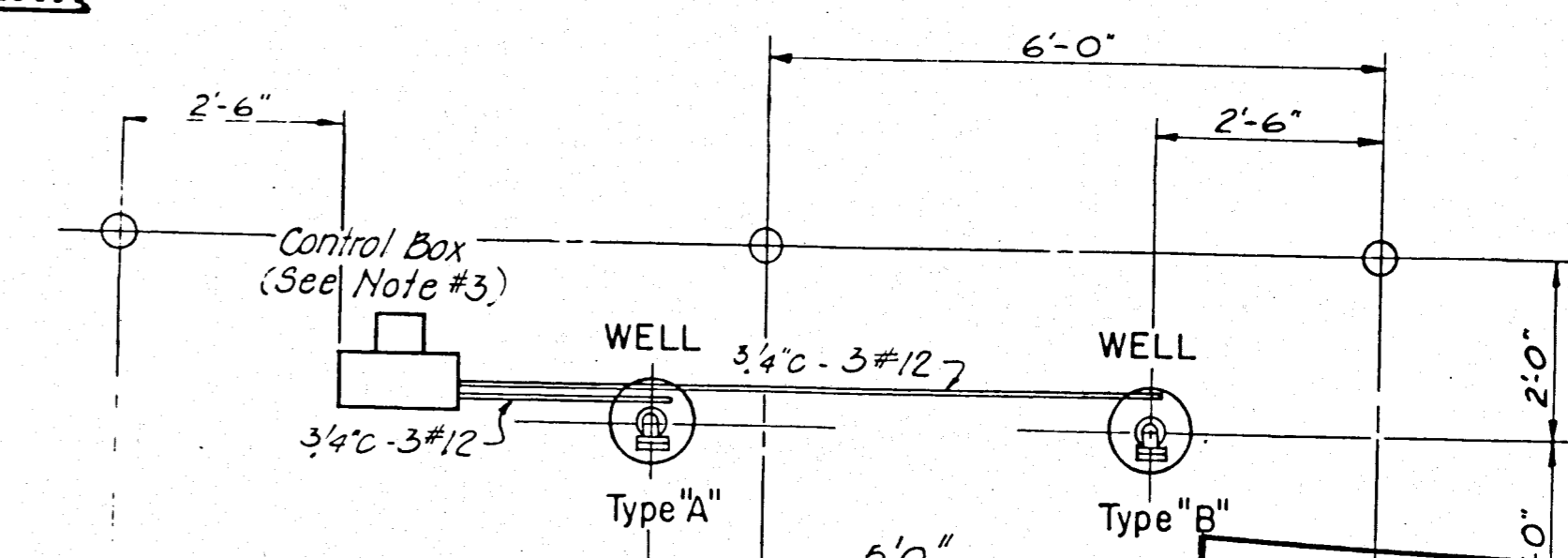
PORTABLE GENERATOR ONE LINE DIAGRAM
NO SCALE



THREE WELL CLUSTER - PLAN
N.T.S.



ONE WELL - PLAN
N.T.S.

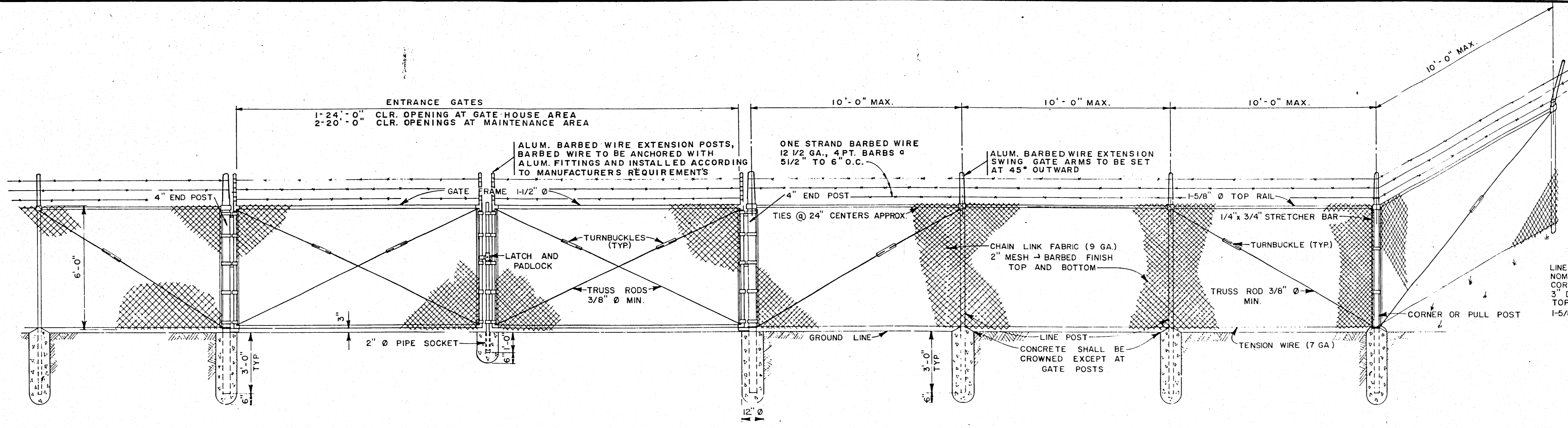


TWO WELL CLUSTER - PLAN
N.T.S.

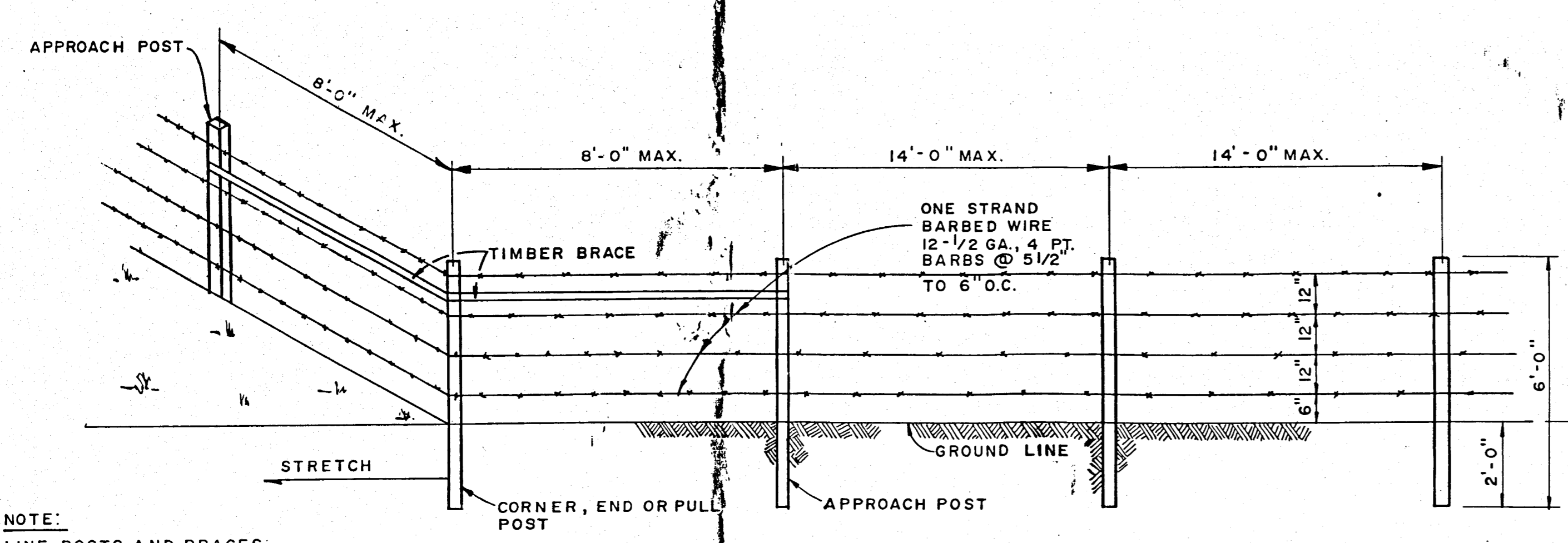
RECORD DRAWING

NOTE: The information presented herein is based upon drawings, specifications, addenda, shop drawings, modifications, etc. and is not to be used for any other purpose. The accuracy of the Record Drawing information depicted is the responsibility of the user.

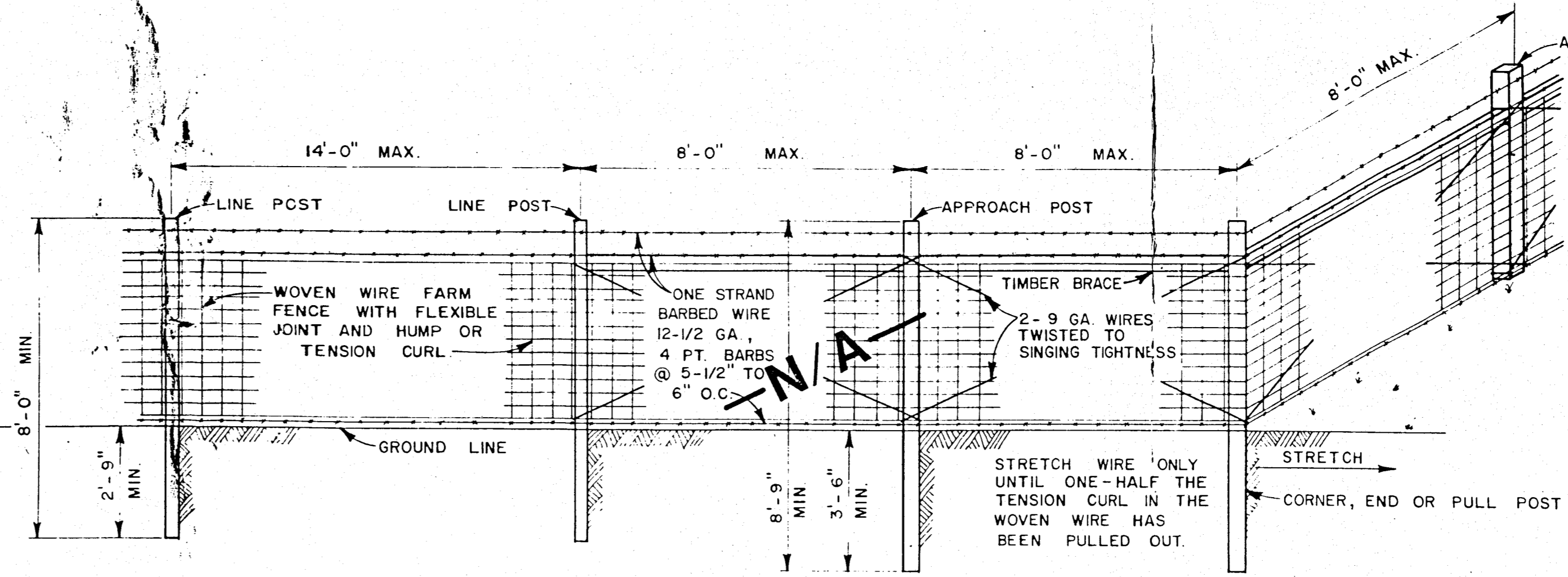
DESIGNED		CJF		DRAWN		CJF		CHECKED		CJF		APPROVED		DJP		JOB NO.		P1014		DATE		10/92		BY		CHK		DATE	
<p>HARDEE COUNTY, FLORIDA REGIONAL SANITARY LANDFILL MONITORING WELL - DETAILS</p> <p>Florida Registered Professional Engineer No. 12</p> <p>ENVISORS, Inc. Consulting Civil & Environmental Engineers Economists and Planners WINTER HAVEN, TAMPA, & MARGATE, FLORIDA</p>																													



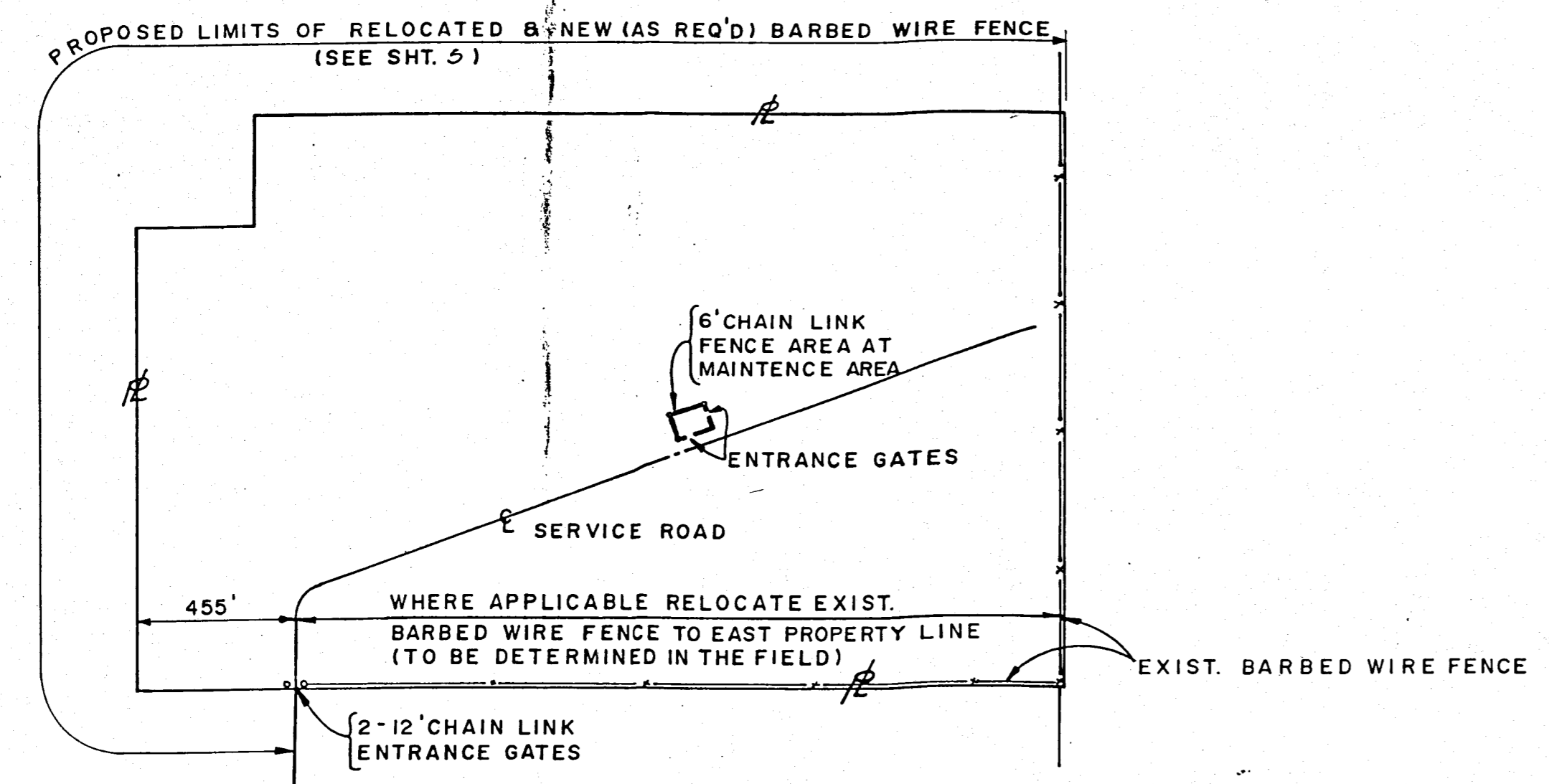
TYPICAL CHAIN LINK FENCE DETAIL
 NO. SCALE



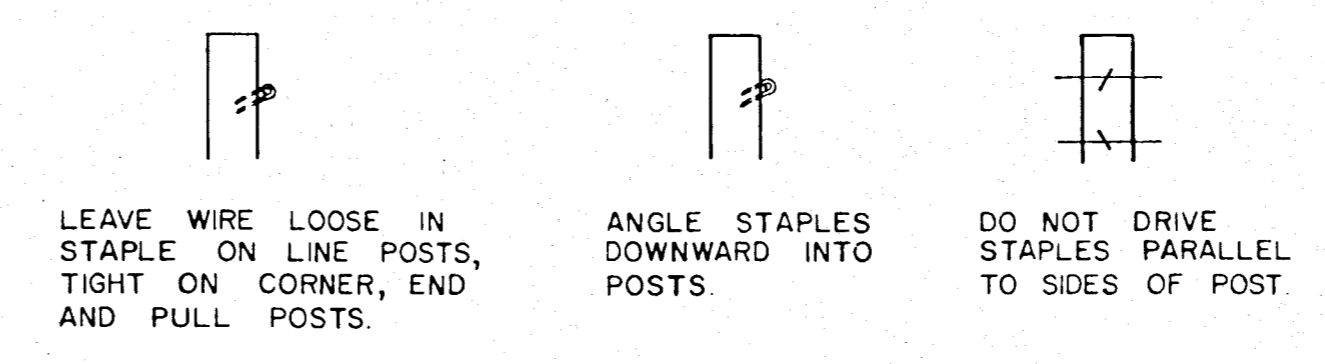
TYPICAL BARBED WIRE FENCE
 DEDUCTIBLE ALTERNATE NO. 6
 NO. SCALE



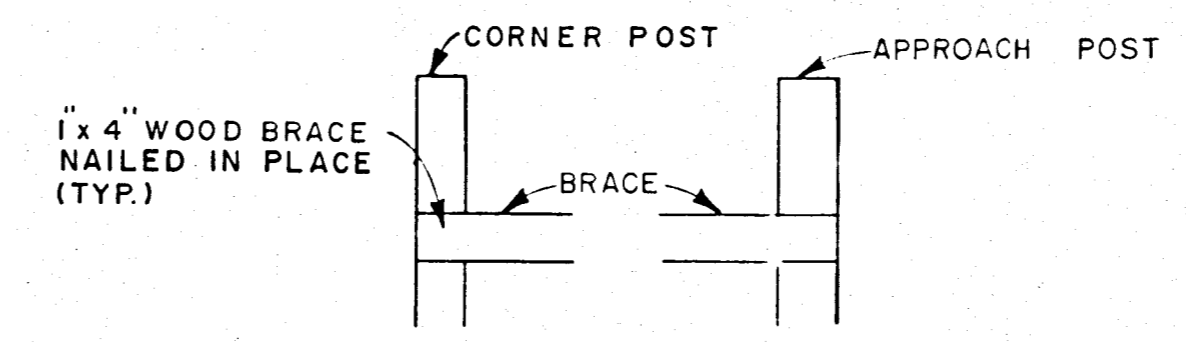
TYPICAL FARM FENCE DETAIL
 NO. SCALE



FENCING PLAN
 SCALE: 1" = 400'



STAPLING DETAILS
 NO. SCALE



TIMBER BRACING DETAILS
 NO. SCALE

RECORD DRAWING

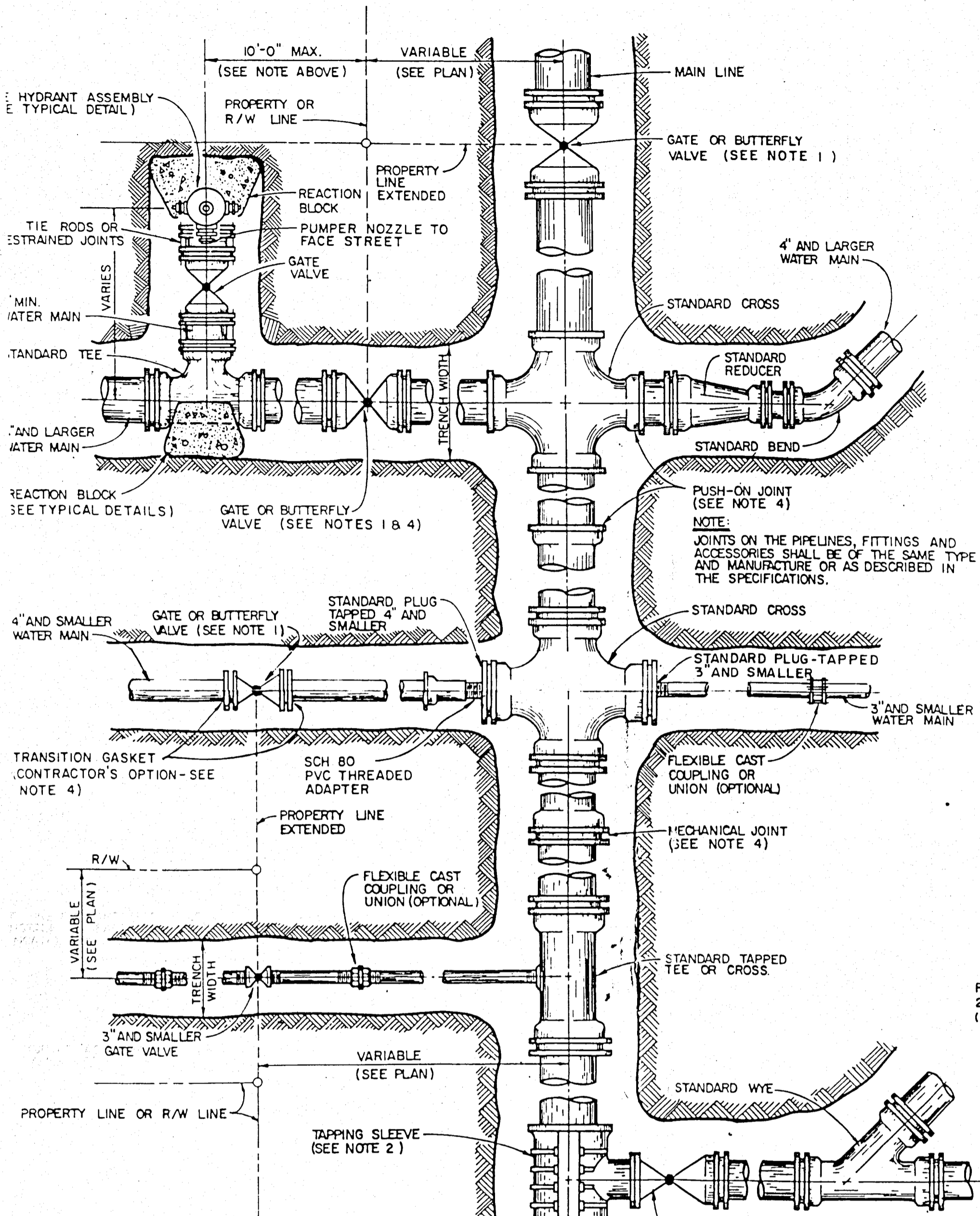
NOTE: The information presented hereon is based upon drawings, specifications, addenda, shop drawings, modifications, etc. annotated by the contractor during the construction period to reflect the in-situ parameters of the improvements he constructed.

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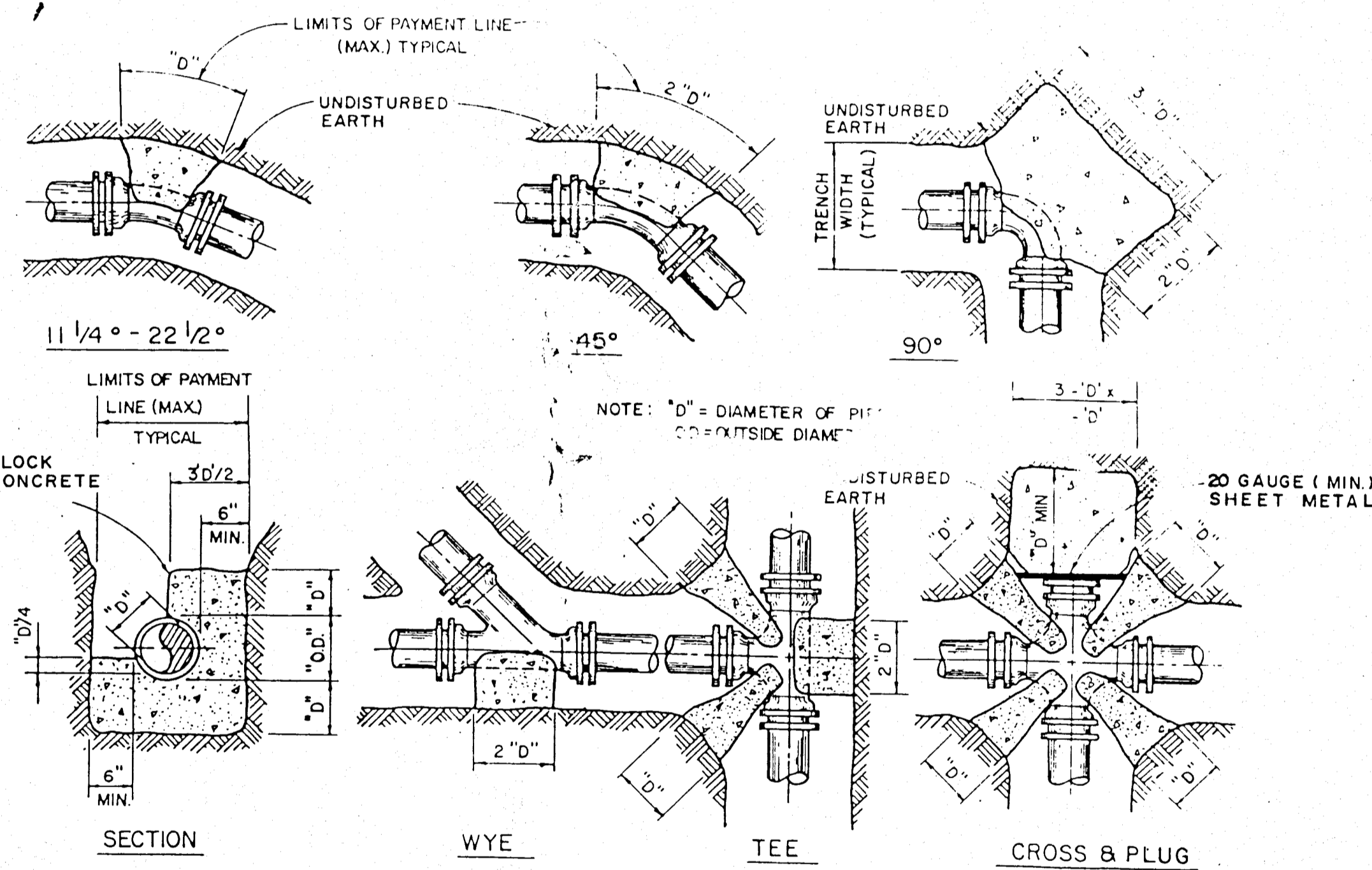
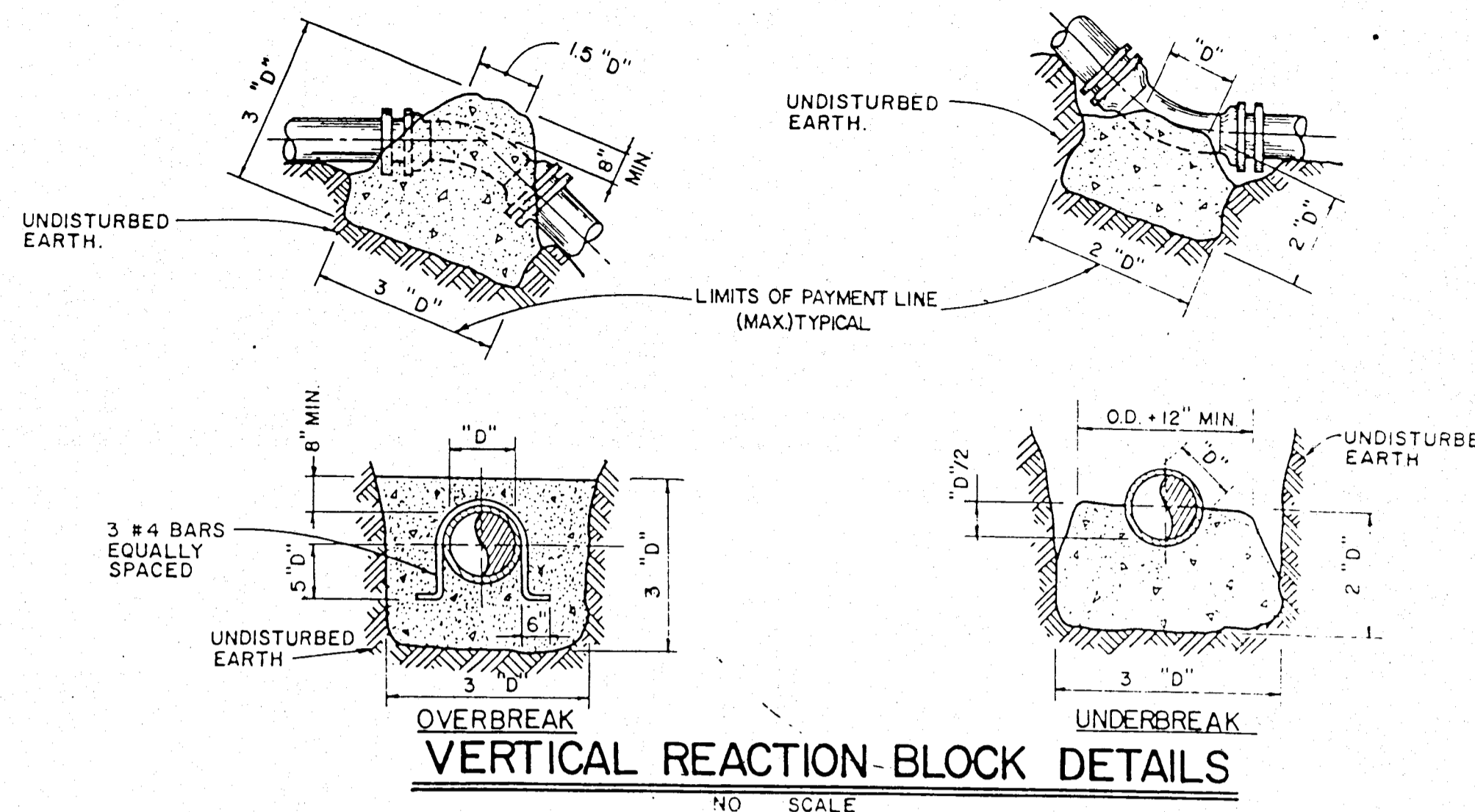
13

Design	Drawn	Checked	Approved	Sheet No.	Revision	Description
				81014	10/82	
<p>Hardee County, Florida Regional Sanitary Landfill FENCING</p>						
<p>ENVISORS, Inc. Consulting Civil & Environmental Engineers Economists, and Planners WINTER HAVEN, TAMPA, & MARGATE, FLORIDA</p>						
<p>Florida Registration Professional Engineer No. 13097</p>						
<p>SHEET NUMBER</p> <p>13</p> <p>OF 14 SHEETS</p>						

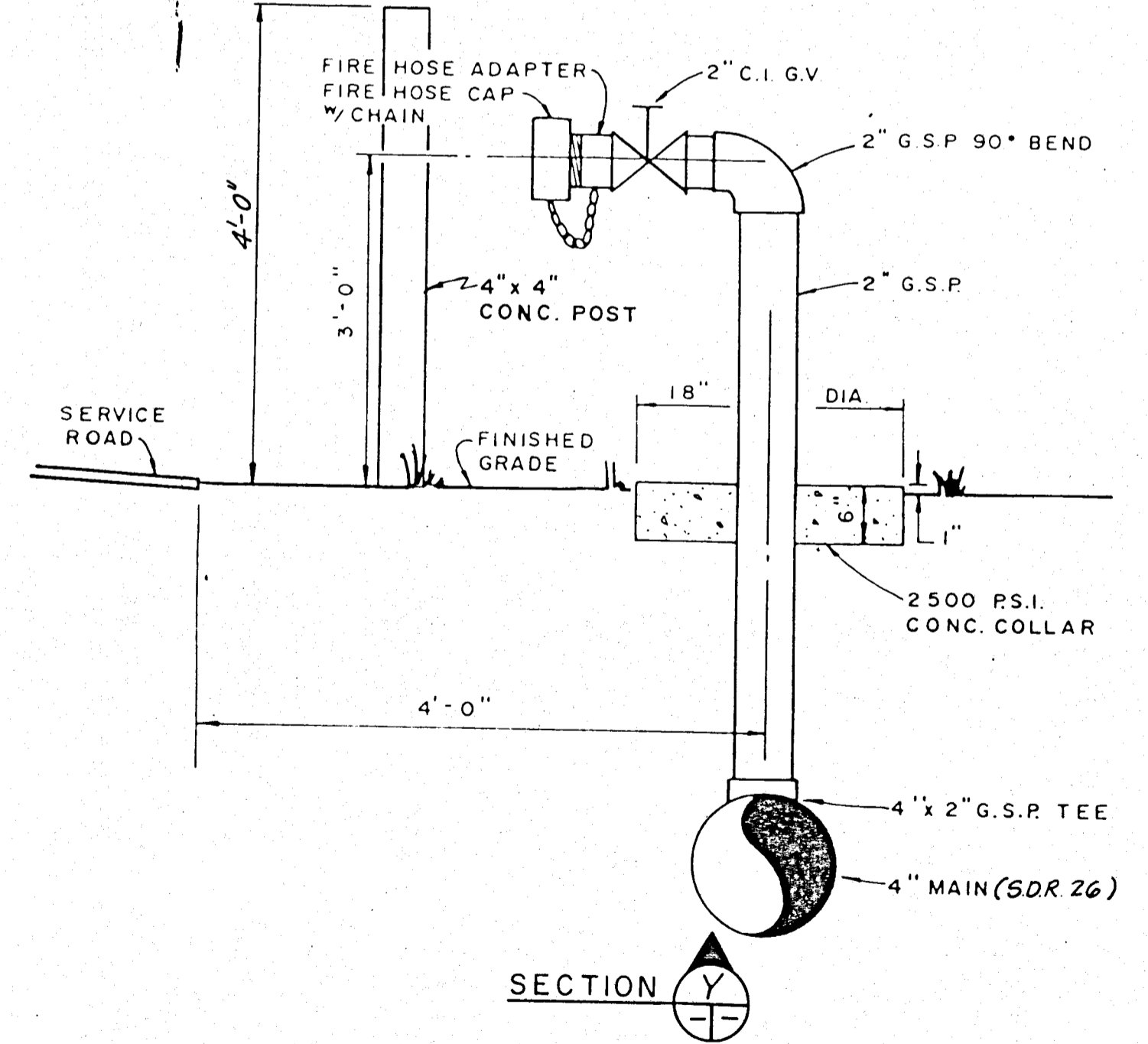
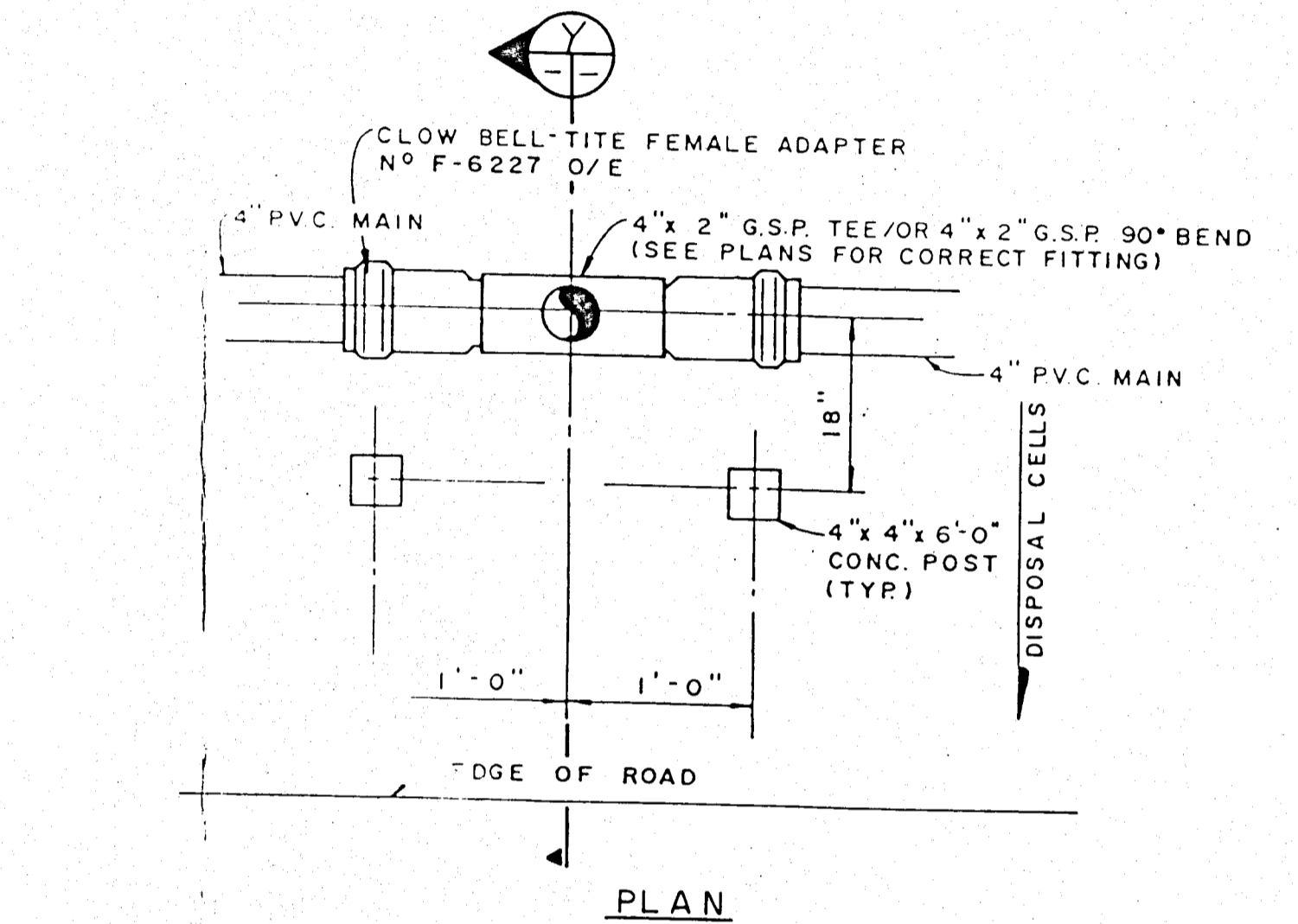
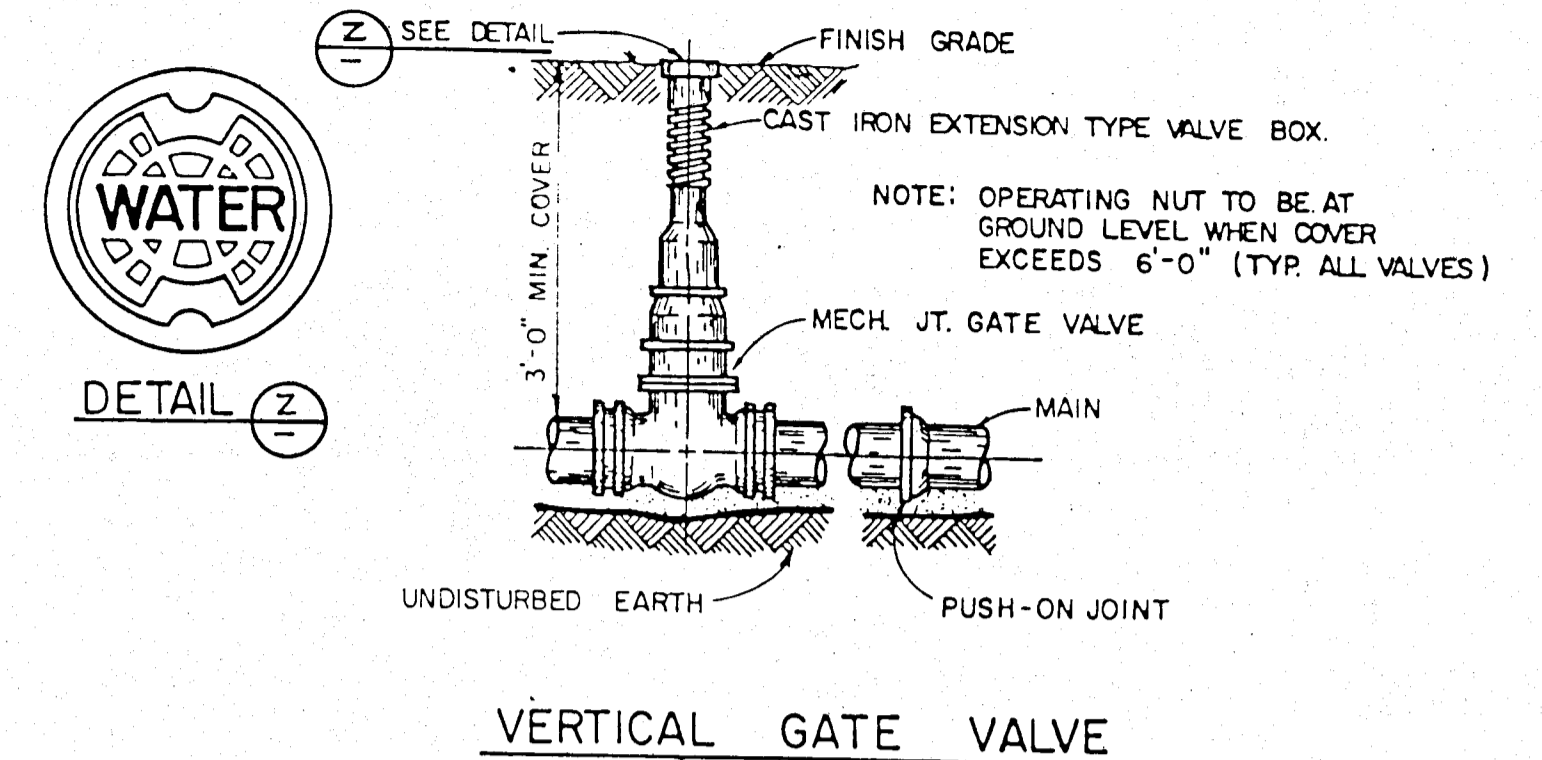
NOTE
IF FIRE HYDRANT IS NOT LOCATED AS SHOWN BELOW AT THE STREET INTERSECTION, INSTALL HYDRANT ON PROPERTY LINE EXTENSION. DO NOT INSTALL IN ANY OTHER LOCATION UNLESS OTHERWISE INDICATED OR SHOWN BY THE ENGINEER.



- NOTE
1. ALL VALVES SHALL BE LOCATED ON THE PROPERTY LINE EXTENDED IF POSSIBLE OR AS DIRECTED BY THE ENGINEER. (TYP)
 2. TAPPING VALVE AND SLEEVE SHALL BE USED WHEN CONNECTING TO AN EXISTING OR LIVE LINE.
 3. 10" MAX. FOR PIPE DIAMETER LESS THAN 24"; 12" MAX. FOR PIPE DIAMETER 24" AND LARGER.
 4. ALL CAST IRON/DUCTILE IRON FITTINGS, VALVES, AND ACCESSORIES TO BE INSTALLED ON PVC PIPE.



NOTE: REACTION BLOCK DIMENSIONS MAY BE MODIFIED IN THE FIELD BY THE ENGINEER DEPENDING ON THE SOIL BEARING PRESSURE. DIM. SHOWN ARE MINIMUM.



TYPICAL WATER RISER DETAIL (M/2)

RECORD DRAWING

D.E.P.
JUN - 6 1997
SOUTH FLORIDA DISTRICT
TAMPA

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HARDEE COUNTY, FLORIDA
REGIONAL SANITARY LANDFILL
WATER STANDARD DETAILS

ENVISORS, Inc.
Consulting Civil & Environmental Engineers
Economists, and Planners
WINTER HAVEN, TAMPA, & MARGATE, FLORIDA

SHEET NUMBER

14

OF 74 SHEETS

Designed	C.S.L.	Revision Description
Drawn	D.D.	No.
Checked	D.D.	
Approved	D.D.	
Job No.	81014	
Date	10/82	

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