WACS ID # 39859
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SCD9-155514

CITRUS COUNTY BOARD OF COUNTY COMMISSIONERS
CITRUS COUNTY, FLORIDA

# CITRUS COUNTY
# CENTRAL SANITARY LANDFILL EXPANSION

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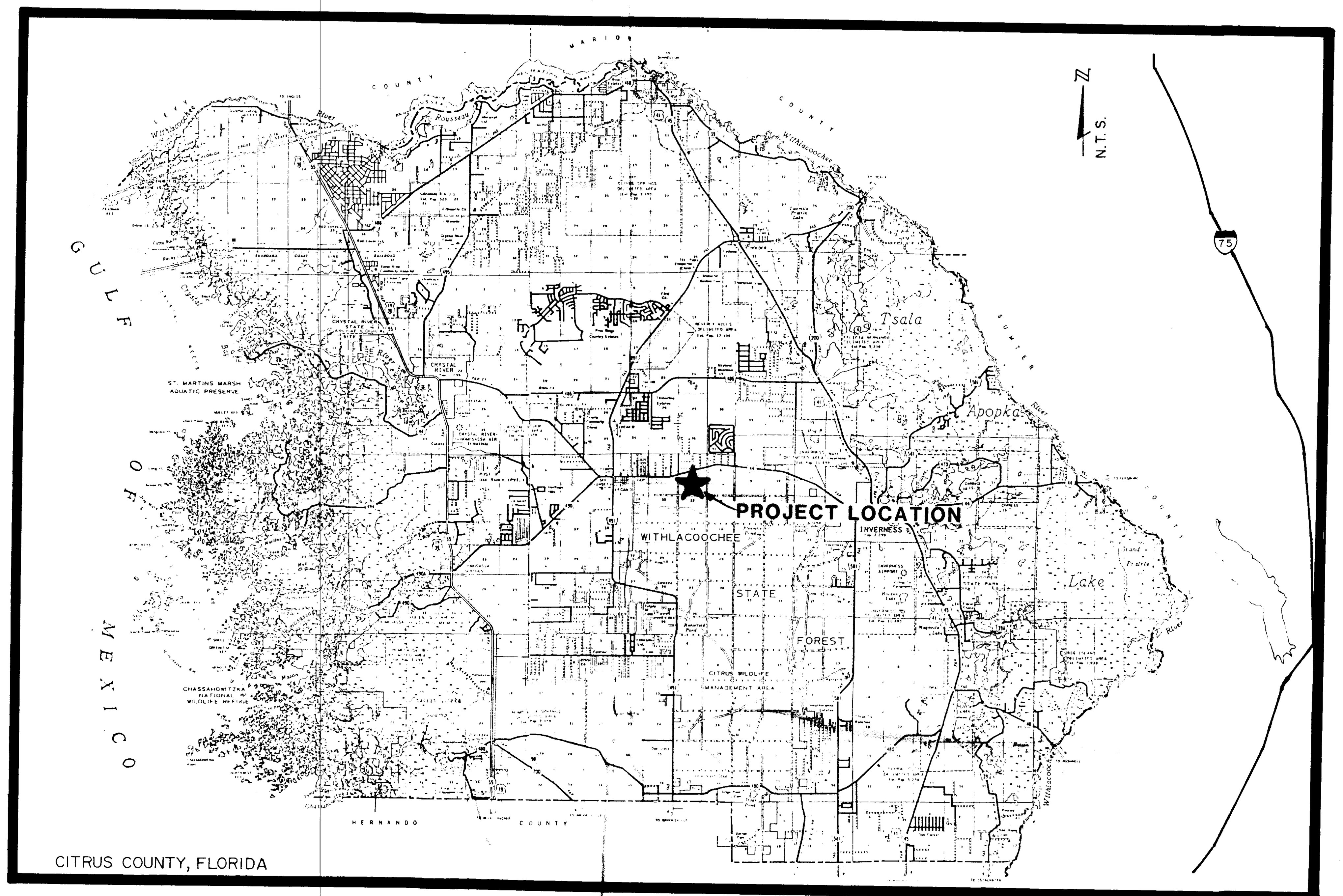


## COMMISSIONERS

NICK BRYANT, CHAIRMAN
WILLIAM J. (SKIP) HUDSON, 1st VICE CHAIRMAN
WILLIAM FRANK BROSKA, 2nd VICE CHAIRMAN
HANK COHEN
F. ALEX GRIFFIN

CITRUS COUNTY FLORIDA
Florida's Little Giant
EST. 1887

PREPARED BY

POST, BUCKLEY, SCHUH & JERNIGAN INC.
CONSULTING ENGINEERS
TAMPA, FLORIDA

MARCH 1989

FACILITY FILE: CITRUS COUNTY LF EXPANSION

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

Aug 10, 1990

ENGINEERS PROJECT NUMBER 22-081.00

## LEGEND

| | |
|---|---|
| SPOT ELEVATION | 100.4 |
| FIELD INVESTIGATION BORING | B3 |
| PROPERTY LINE | P |
| EASEMENT | |
| FINAL CONTOUR (NGVD) | 30 |
| EXISTING CONTOUR (NGVD) | 20 |
| TRAPEZOIDAL DITCH BOTTOM | |
| SWALE CENTERLINE | |
| FENCE | |
| ROAD & CENTERLINE | ℄ |
| BLDG. & STRUCTURES (EXISTING/PROPOSED) | |
| PIPE CULVERTS | |
| PERF. LEACHATE COLLECT PIPE | |
| SOLID WALL LEACHATE CLEANOUT/ COLLECTION PIPES | |
| MONITOR WELL | MW2 |
| MANHOLE & PUMP STATION | M.H. P.S. |
| SECTION SYMBOL: SECTION LETTER, SHEET NUMBER | A / 6 |
| DETAIL SYMBOL: DETAIL NUMBER, SHEET NUMBER | 2 / 7 |

## ABBREVIATIONS

| | |
|---|---|
| ACI | AMERICAN CONCRETE INSTITUTION |
| ALUM. | ALUMINUM |
| A.R.V. | AIR RELEASE VALVE |
| C.I. | CAST IRON |
| C.O. | CLEANOUT |
| CONC. | CONCRETE |
| D. OR DIA. | DIAMETER |
| DBL | DOUBLE |
| D.I.P. | DUCTILE IRON PIPE |
| D.I. | DUCTILE IRON |
| E | EAST |
| EA. | EACH |
| EL. OR ELV. | ELEVATION |
| ELEC. | ELECTRIC |
| FLG. | FLANGE |
| FLG'D | FLANGED |
| F.M. | FORCE MAIN |
| FRP | FIBERGLASS REINFORCED PLASTIC |
| FT. | FEET |
| GAL. | GALVANIZED |
| GPM | GALLONS PER MINUTE |
| HDPE | HIGH DENSITY POLYETHYLENE |
| HP | HORSEPOWER |
| I.D. | INNER DIAMETER |
| I.E. | INVERT ELEVATION |
| INF. | INFLUENT |
| INV. | INVERT |
| LCP | LEACHATE COLLECTION PIPE |
| MAX | MAXIMUM |
| MFR. | MANUFACTURER |
| M.H. | MANHOLE |
| MIL. | ONE-THOUSANDTH OF AN INCH |
| MIN. | MINIMUM |
| M.J. | MECHANICAL JOINT |
| N | NORTH |
| NO. | NUMBER |
| N.T.S. | NOT TO SCALE |
| O.C. | ON CENTER |
| O.D. | OUTER DIAMETER |
| O/E | OR EQUAL |
| PLCP | PERFORATED LEACHATE COLLECTION PIPE |
| P.S. | PUMP STATION |
| PSF | POUNDS PER SQUARE FOOT |
| PVC | POLYVINYLECHLORIDE |
| REQ'D | REQUIRED |
| R/W | RIGHT-OF-WAY |
| S | SOUTH |
| SCH. | SCHEDULE |
| S.E. | SOUTHEAST |
| SH. OR SHT. | SHEET |
| SLCP | SOLID WALL LEACHATE COLLECTION PIPE |
| SPECS. | SPECIFICATIONS |
| SQ. | SQUARE |
| S.S. OR STN. STL. | STAINLESS STEEL |
| STD. | STANDARD |
| TEMP. | TEMPORARY |
| TYP. | TYPICAL |
| W | WEST |
| W/ | WITH |
| W.L. | WATER LEVEL |

## GENERAL NOTES

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. THERE MAY BE OTHER IMPROVEMENTS, UTILITIES, EARTHWORK, ETC. WHICH ARE WITHIN THE PROJECT AREA WHICH HAVE BEEN IMPLEMENTED SINCE THE PREPARATION OF THESE PLANS. THE CONTRACTOR SHALL VERIFY, PRIOR TO CONSTRUCTION, THE LOCATIONS, ELEVATIONS, AND DIMENSIONS OF ALL EXISTING UTILITIES, STRUCTURES AND OTHER FEATURES (WHETHER OR NOT SHOWN ON THE DRAWINGS) AFFECTING HIS WORK.

2. THE INFORMATION PROVIDED IN THESE DRAWINGS, REGARDING EXISTING CONDITIONS, IS SOLELY TO ASSIST THE CONTRACTOR IN ASSESSING THE NATURE, AND EXTENT OF THE CONDITIONS WHICH MAY BE ENCOUNTERED DURING THE COURSE OF THE WORK. ALL CONTRACTORS ARE DIRECTED, PRIOR TO BIDDING, TO CONDUCT WHATEVER INVESTIGATIONS THEY MAY DEEM NECESSARY TO ARRIVE AT THEIR OWN CONCLUSIONS REGARDING THE ACTUAL CONDITIONS THAT WILL BE ENCOUNTERED, AND UPON WHICH THEIR BIDS WILL BE BASED.

3. ALL ELEVATIONS ARE BASED ON THE NGVD SYSTEM.

4. THE GRID/COORDINATE SYSTEM IS INDEPENDENT OF NATIONAL, STATE OR LOCAL GRID SYSTEM. THE GRID/COORDINATE SYSTEM IS TIED INTO AN EXISTING MONUMENT ON THE NORTHEAST CORNER OF THE PROPERTY AS SHOWN ON SHEET 4.

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | GENERAL LEGEND, ABBREVIATIONS AND GENERAL NOTES |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90
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NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN RC
DESIGNED RC
CHECKED TEI
QC S.B.L

SHEET 2/32

REPRO PRODUCTS INC. 2A


PROPOSED SANITARY LANDFILL SITE

Description:
A portion of Section 1, Township 19 South, Range 18 East, Citrus County, Florida Described as follows: Commence at the Southwest corner of Lot 9, Block A, New Mayfield Acres, as recorded in Plat Book 2, page 42, public records of Citrus County, Florida, thence S 89°43'25" E on an Easterly projection of the South line of said Lot 9, Block A, a distance of 640.22 feet, thence S 0°16'35" W 20.00 feet to the Point of Beginning, said point being on the North line of the SE¼ of said Section 1, thence continue S 0°16'35" W 2630.05 feet, thence S 89°43'25" E parallel to said North line a distance of 1325.00 feet, thence N 0°16'35" E 2630.05 feet to a point on said North line, thence N 89°43'25" W along the said North line a distance of 1325.00 feet to the Point of Beginning. Containing 80 acres more or less.

NOTE:

Proposed Sanitary Landfill Expansion Site Description by Henigar & Ray Engineering Associates, Inc. (August 15, 1985).

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INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CLIENT
CITRUS COUNTY, FLORIDA
DEPARTMENT OF
TECHNICAL SERVICES

PROJECT
CITRUS COUNTY
CENTRAL SANITARY
LANDFILL EXPANSION

TASK
GENERAL
VICINITY MAP

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90
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NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN D.D.
DESIGNED TEI
CHECKED TEI
QC SBL
SHEET 3/32

REPRO PRODUCTS INC. 2A

NOTES:

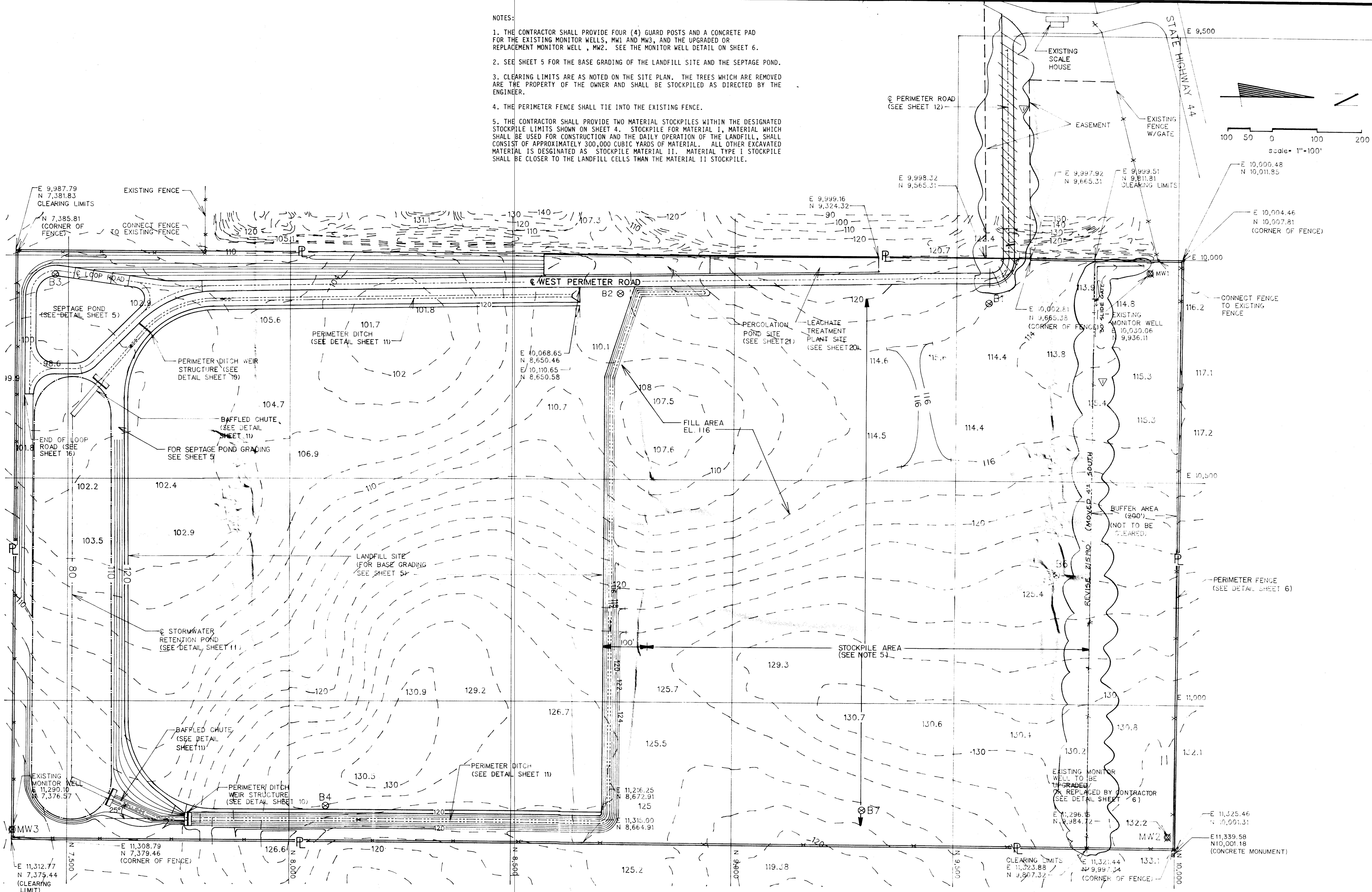
1. THE CONTRACTOR SHALL PROVIDE FOUR (4) GUARD POSTS AND A CONCRETE PAD FOR THE EXISTING MONITOR WELLS, MW1 AND MW3, AND THE UPGRADED OR REPLACEMENT MONITOR WELL , MW2. SEE THE MONITOR WELL DETAIL ON SHEET 6.

2. SEE SHEET 5 FOR THE BASE GRADING OF THE LANDFILL SITE AND THE SEPTAGE POND.

3. CLEARING LIMITS ARE AS NOTED ON THE SITE PLAN. THE TREES WHICH ARE REMOVED ARE THE PROPERTY OF THE OWNER AND SHALL BE STOCKPILED AS DIRECTED BY THE ENGINEER.

4. THE PERIMETER FENCE SHALL TIE INTO THE EXISTING FENCE.

5. THE CONTRACTOR SHALL PROVIDE TWO MATERIAL STOCKPILES WITHIN THE DESIGNATED STOCKPILE LIMITS SHOWN ON SHEET 4. STOCKPILE FOR MATERIAL I, MATERIAL WHICH SHALL BE USED FOR CONSTRUCTION AND THE DAILY OPERATION OF THE LANDFILL, SHALL CONSIST OF APPROXIMATELY 300,000 CUBIC YARDS OF MATERIAL. ALL OTHER EXCAVATED MATERIAL IS DESGINATED AS STOCKPILE MATERIAL II. MATERIAL TYPE I STOCKPILE SHALL BE CLOSER TO THE LANDFILL CELLS THAN THE MATERIAL II STOCKPILE.




| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK SITE PLAN |

PBS&J POST, BUCKLEY, SCHUH & JERNIGAN, INC.

ORIGINAL MARCH 1989
REVISIONS:
1. Record Drawings 7-24-90

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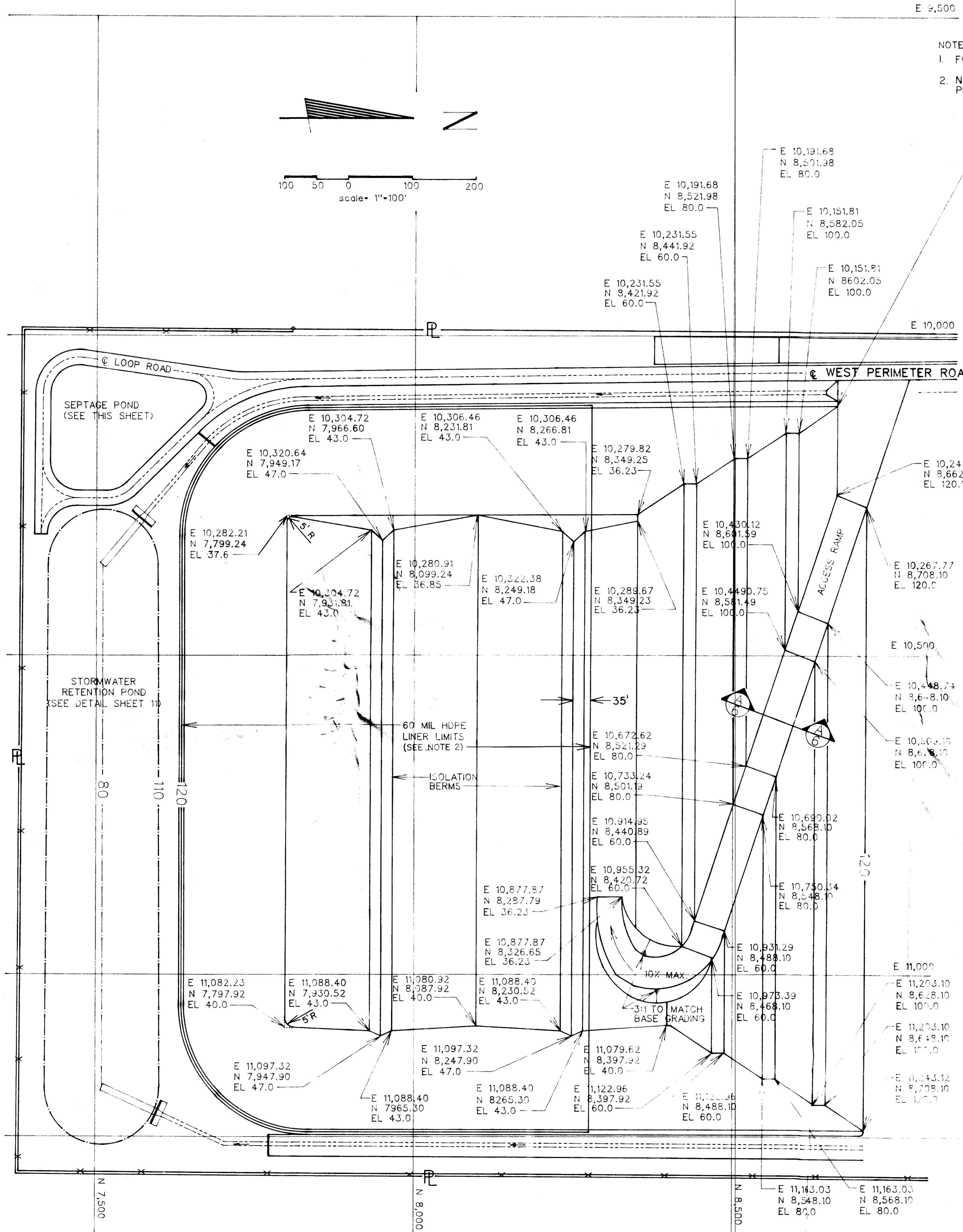
JOB NO. 22-081.00
DRAWN F.F.S.
DESIGNED D.J.S.
CHECKED T.E.I.
QC S.B.L.
SHEET 4/32

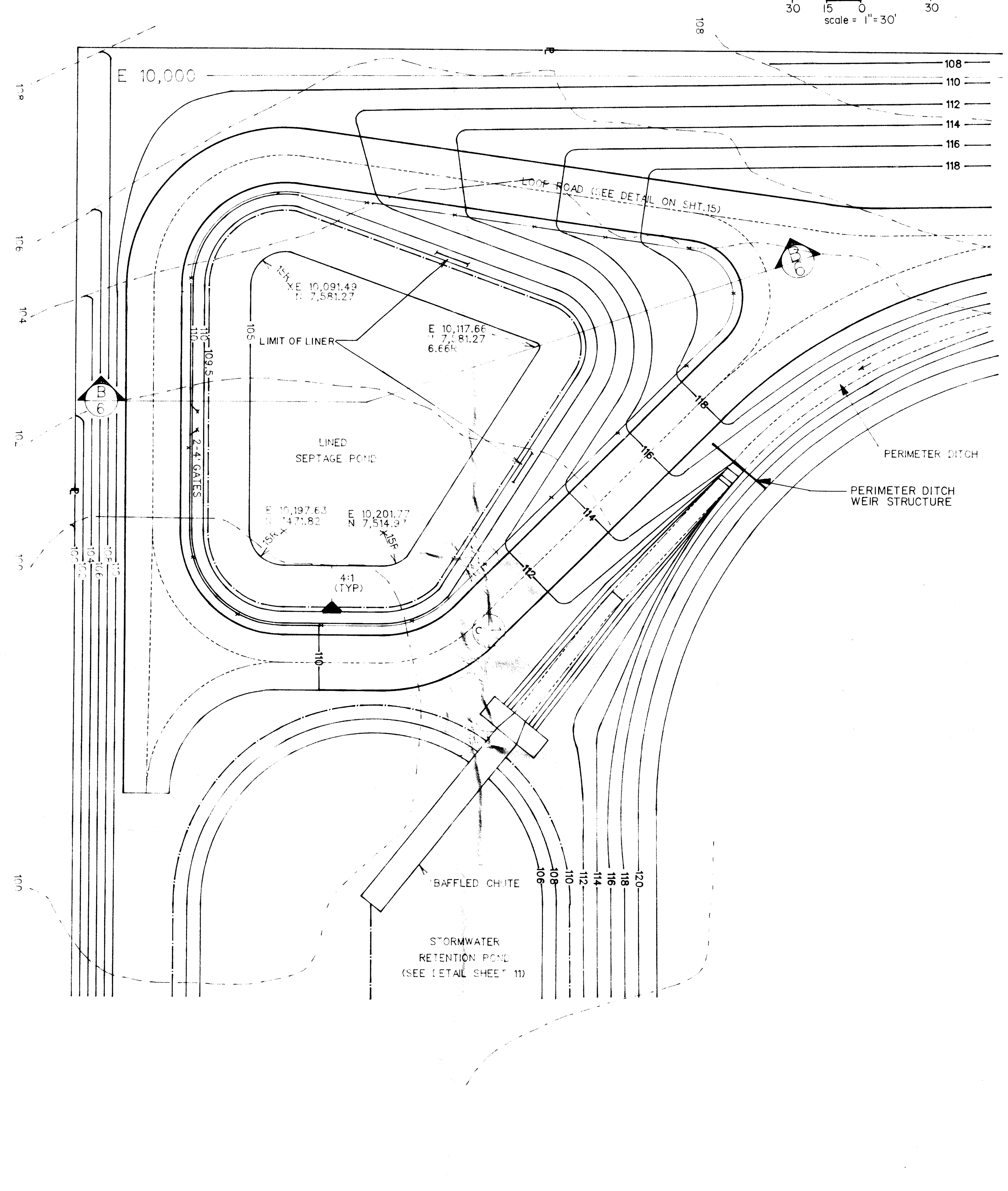
REPRO PRODUCTS INC. 2A

NOTE:

1. FOR GENERAL SITE GRADING SEE SHEET 4.
2. NORTHERN EDGE OF LINER TO BE PROTECTED BY 2' x 1/2" PLYBOARD AND STAKED AT 25' INTERVALS




BASE GRADING




SEPTAGE POND GRADING

"RECORD DRAWINGS"

INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

| PBS&J POST, BUCKLEY, SCHUH & JERNIGAN, INC. | CLIENT | PROJECT | TASK |
|---|---|---|---|
| | CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK BASE GRADING AND SEPTAGE POND GRADING |

ORIGINAL MARCH 1989

REVISIONS:

1. RECORD DRAWINGS 7-24-90
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NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00

DRAWN FFS

DESIGNED D.J.S

CHECKED T.E.I.

QC S.B.L.

SHEET 5/32

REPRO PRODUCTS INC. 2A


PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK ROAD COORDINATES |

ORIGINAL
REVISIONS:
1. Record Drawings 7-24-90
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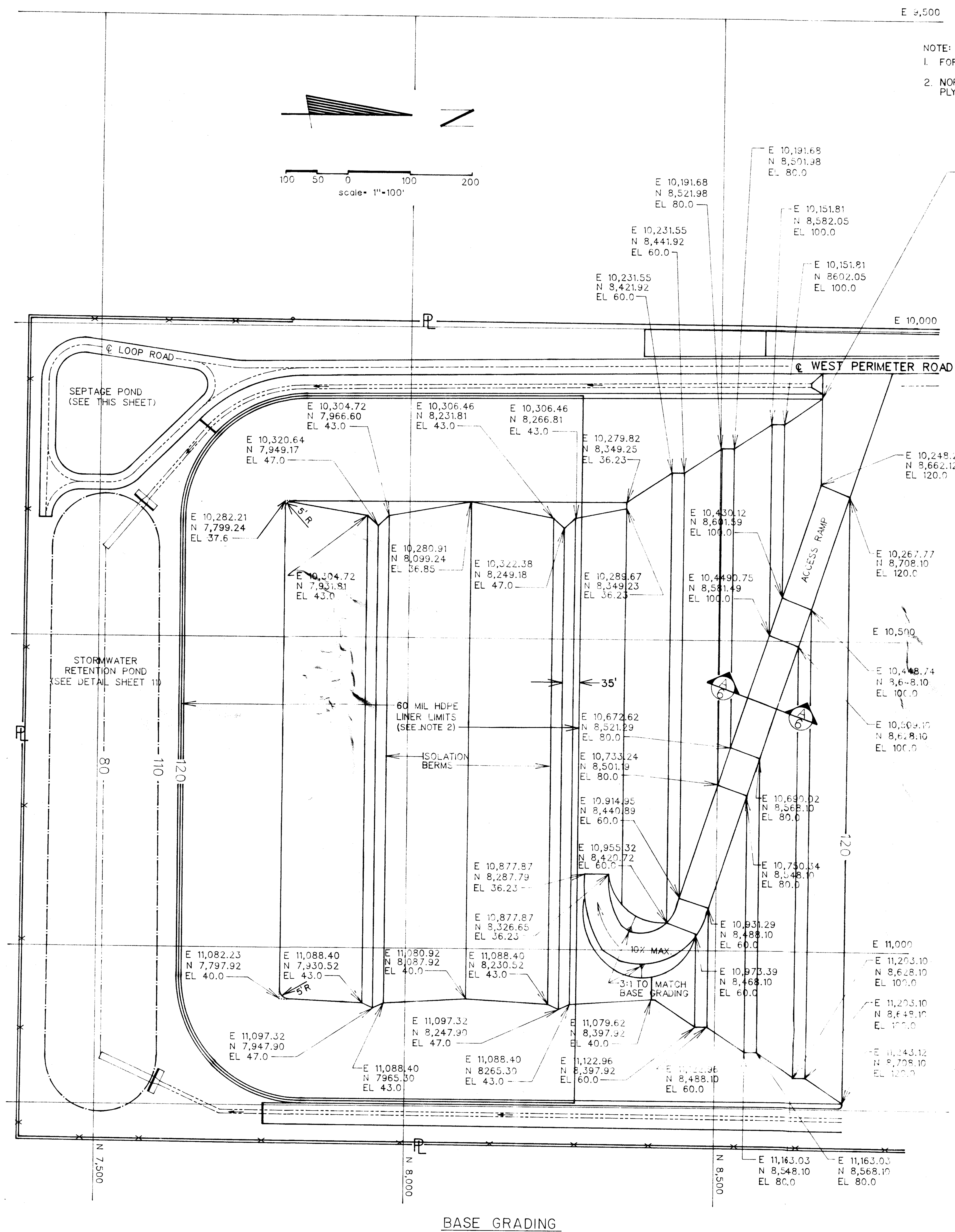
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO.
DRAWN
DESIGNED
CHECKED
QC

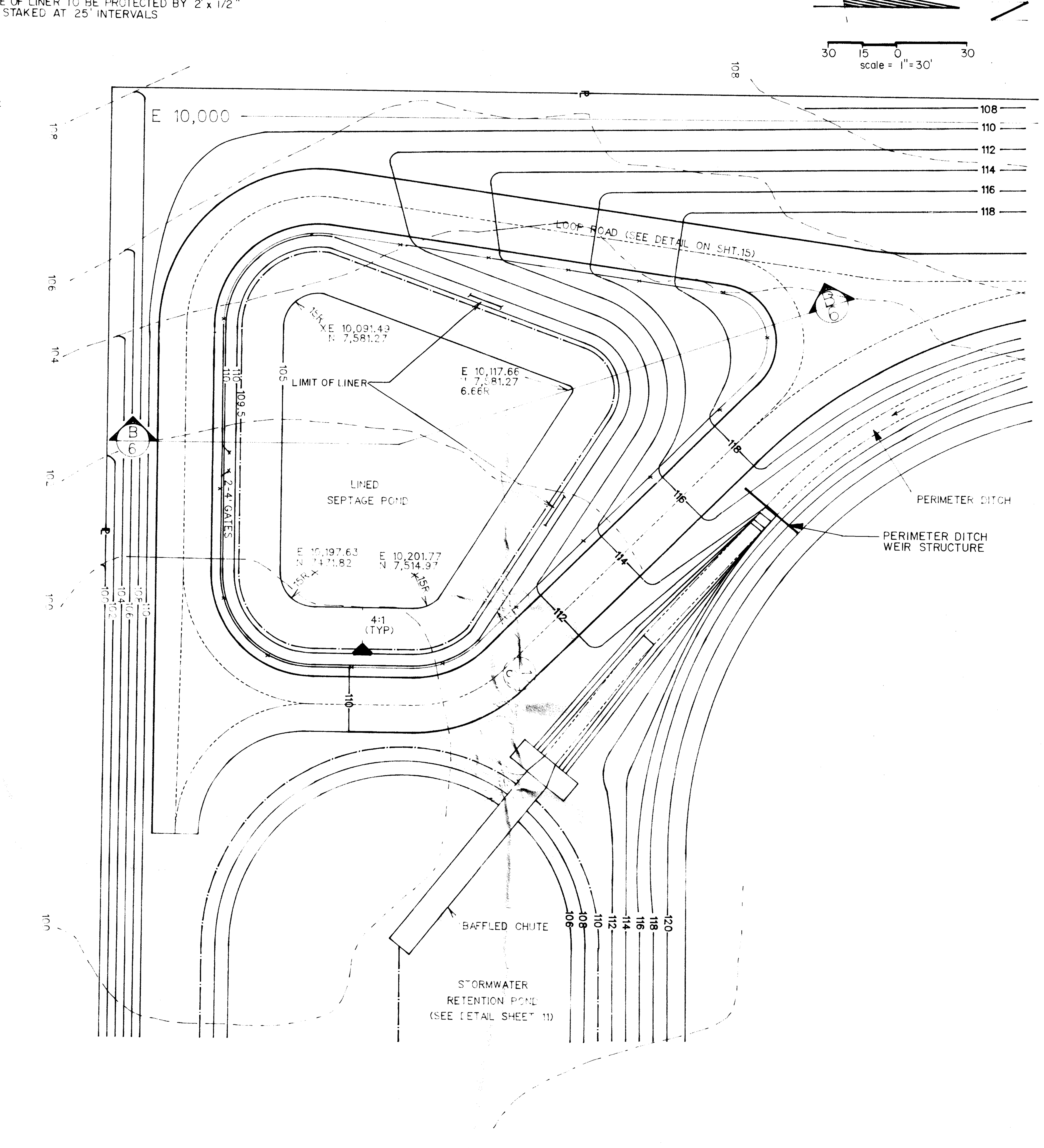
SHEET 4A/32

REPRO PRODUCTS INC. 2A

NOTE:
1. FOR GENERAL SITE GRADING SEE SHEET 4.
2. NORTHERN EDGE OF LINER TO BE PROTECTED BY 2' x 1/2" PLYBOARD AND STAKED AT 25' INTERVALS




BASE GRADING




SEPTAGE POND GRADING

"RECORD DRAWINGS"
INCORPORATING THESE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

| PBS&J POST, BUCKLEY, SCHUH & JERNIGAN, INC. | CLIENT | PROJECT | TASK |
|---|---|---|---|
| | CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK BASE GRADING AND SEPTAGE POND GRADING |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90
2 ... 12

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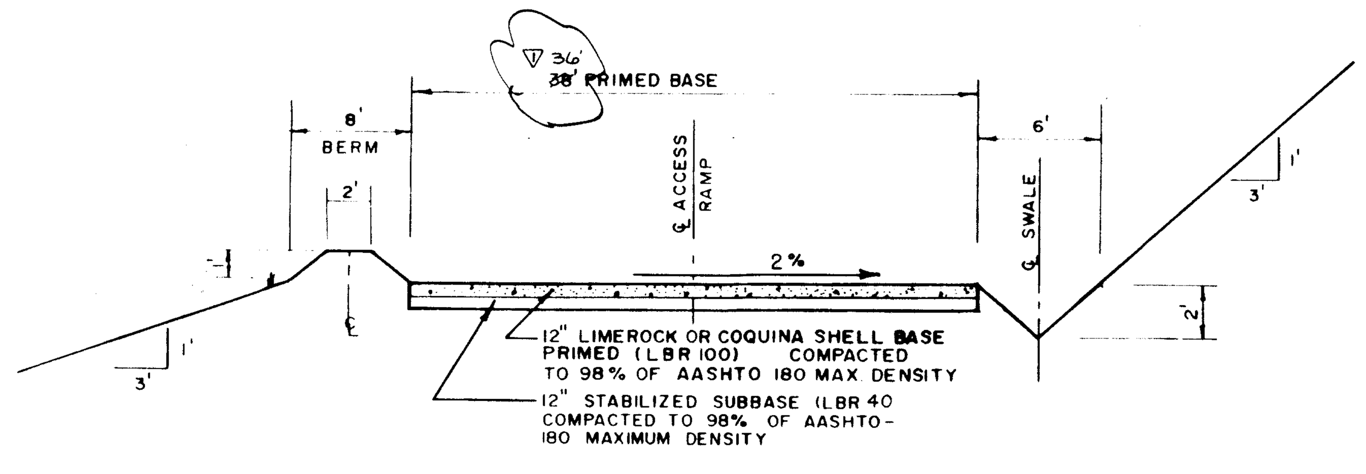
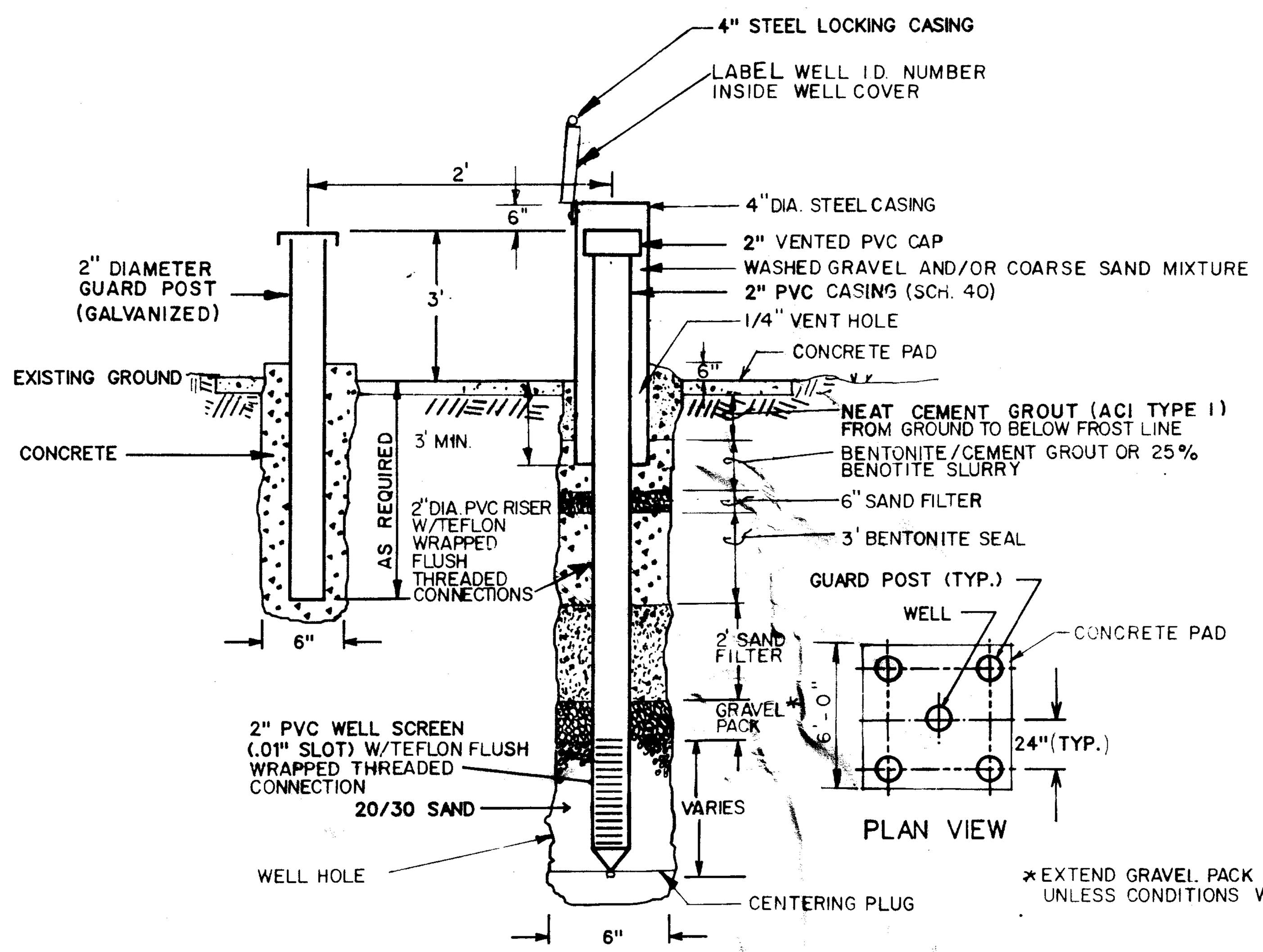
JOB NO. 22-081.00
DRAWN F.F.S.
DESIGNED D.J.S.
CHECKED T.E.I.
QC S.B.L.
SHEET 5/32

REPRO PRODUCTS INC. 2A




SECTION (A/5)
NTS

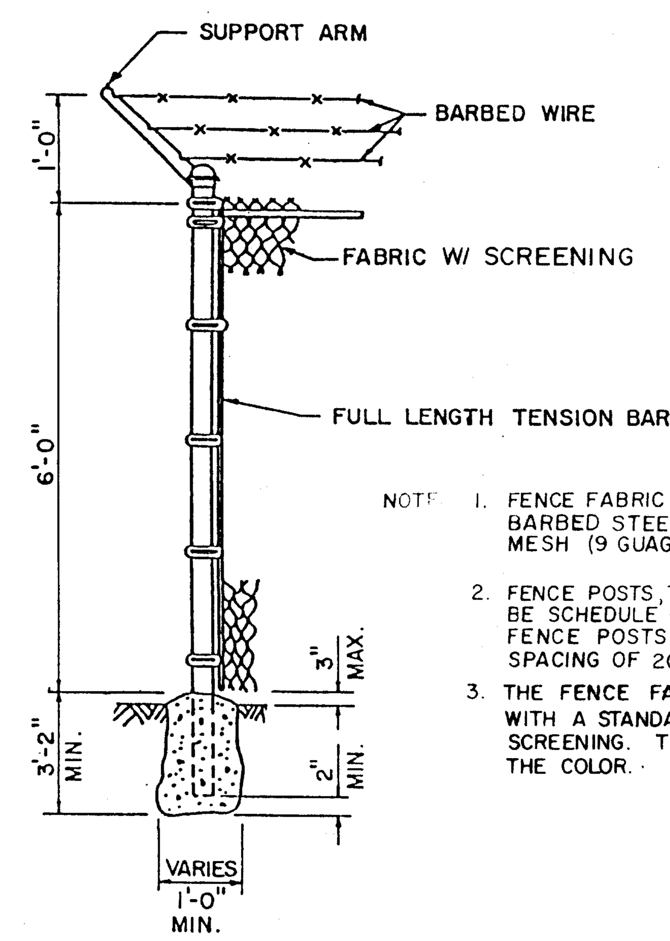



NOTES:

1. THE CONTRACTOR HAS THE OPTION OF UPGRADING OR REPLACING MW2. THE UPGRADED OR REPLACEMENT MW2 SHALL BE AT A DEPTH WHICH WILL PROVIDE WATER SAMPLES WHICH MEET THE DEPARTMENT OF ENVIRONMENTAL REGULATION'S (DER'S) TURBIDITY REQUIREMENTS FOR WATER SAMPLES.
2. THE EXISTING MONITOR WELL, MW2, IS APPROXIMATELY 123 FEET DEEP AND DOES NOT PRODUCE A WATER SAMPLE WHICH MEETS DER'S TURBIDITY REQUIREMENTS.
3. THE UPGRADED OR REPLACEMENT MW2 SHALL BE PROVIDED WITH GUARD POSTS AND A CONCRETE PAD.
4. EXISTING MW1 AND MW3 SHALL BE PROVIDED WITH GUARD POSTS AND A CONCRETE PAD.

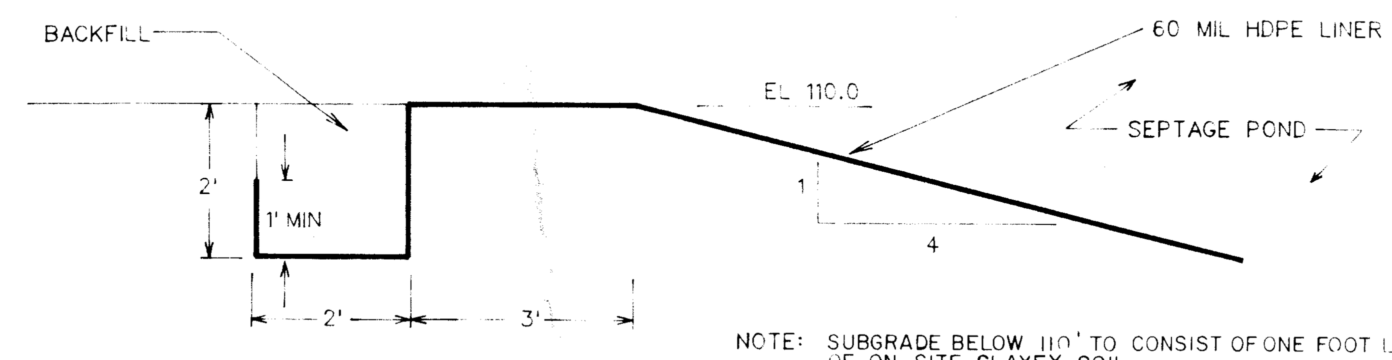
* EXTEND GRAVEL PACK 5' ABOVE SLOTTED WELL SCREEN, UNLESS CONDITIONS WARRANT LESS.

DETAIL-MONITOR WELL (MW2)
N.T.S.



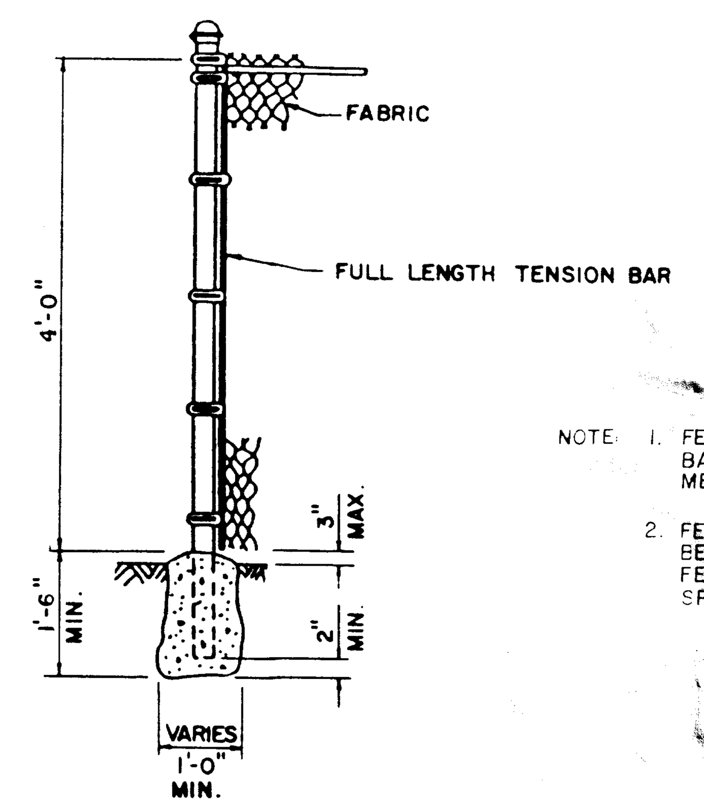

NOTE:
1. FENCE FABRIC SHALL BE KNUCKLED AND BARBED STEEL WIRE WOVEN IN TWO (2") INCH MESH (9 GUAGE)
2. FENCE POSTS, TOP AND BOTTOM RAILS, SHALL BE SCHEDULE 40 GALVANIZED TUBULAR STEEL. FENCE POSTS SHALL HAVE A MAXIMUM SPACING OF 20 FEET.
3. THE FENCE FABRIC SHALL BE SCREENED WITH A STANDARD HORIZONTAL FIBERGLASS SCREENING. THE OWNER WILL SELECT THE COLOR.

DETAIL - PERIMETER FENCE
N.T.S.



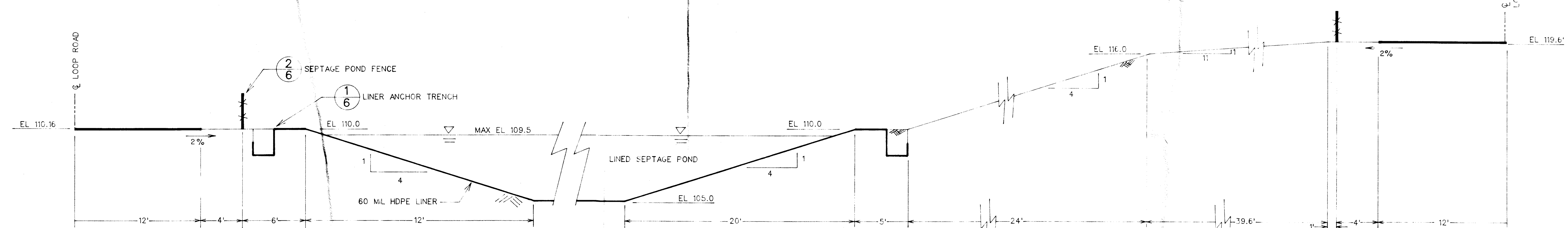

NOTE: SUBGRADE BELOW 110' TO CONSIST OF ONE FOOT LAYER OF ON-SITE CLAYEY SOIL

DETAIL - LINER ANCHOR TRENCH (1/6)
SCALE 1" = 2'




NOTE:
1. FENCE FABRIC SHALL BE KNUCKLED AND BARBED STEEL WIRE WOVEN IN TWO (2") INCH MESH (9 GUAGE)
2. FENCE POSTS, TOP AND BOTTOM RAILS, SHALL BE SCHEDULE 40 GALVANIZED TUBULAR STEEL. FENCE POSTS SHALL HAVE A MAXIMUM SPACING OF 20 FEET.

DETAIL - SEPTAGE POND FENCE (2/6)
N.T.S.

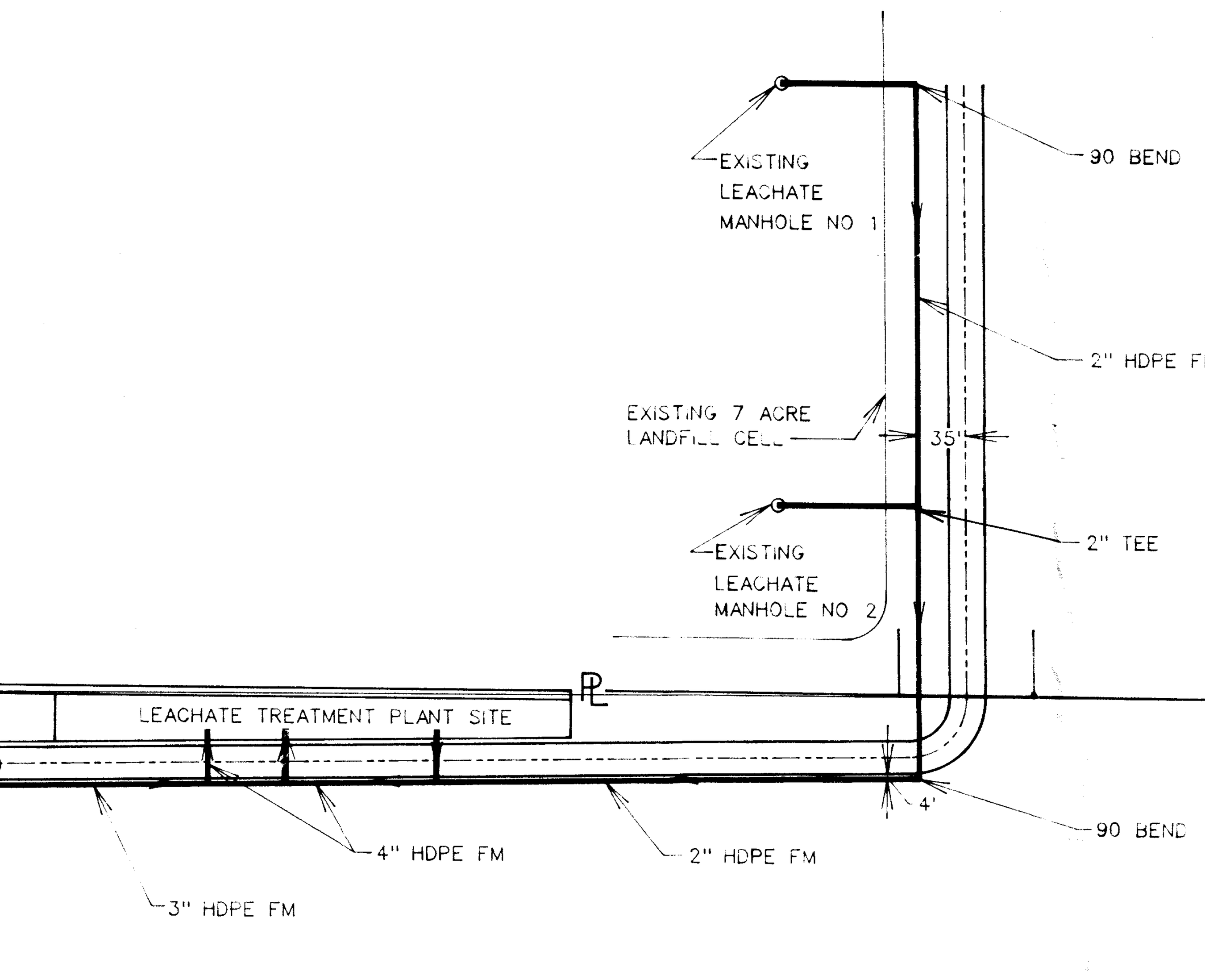


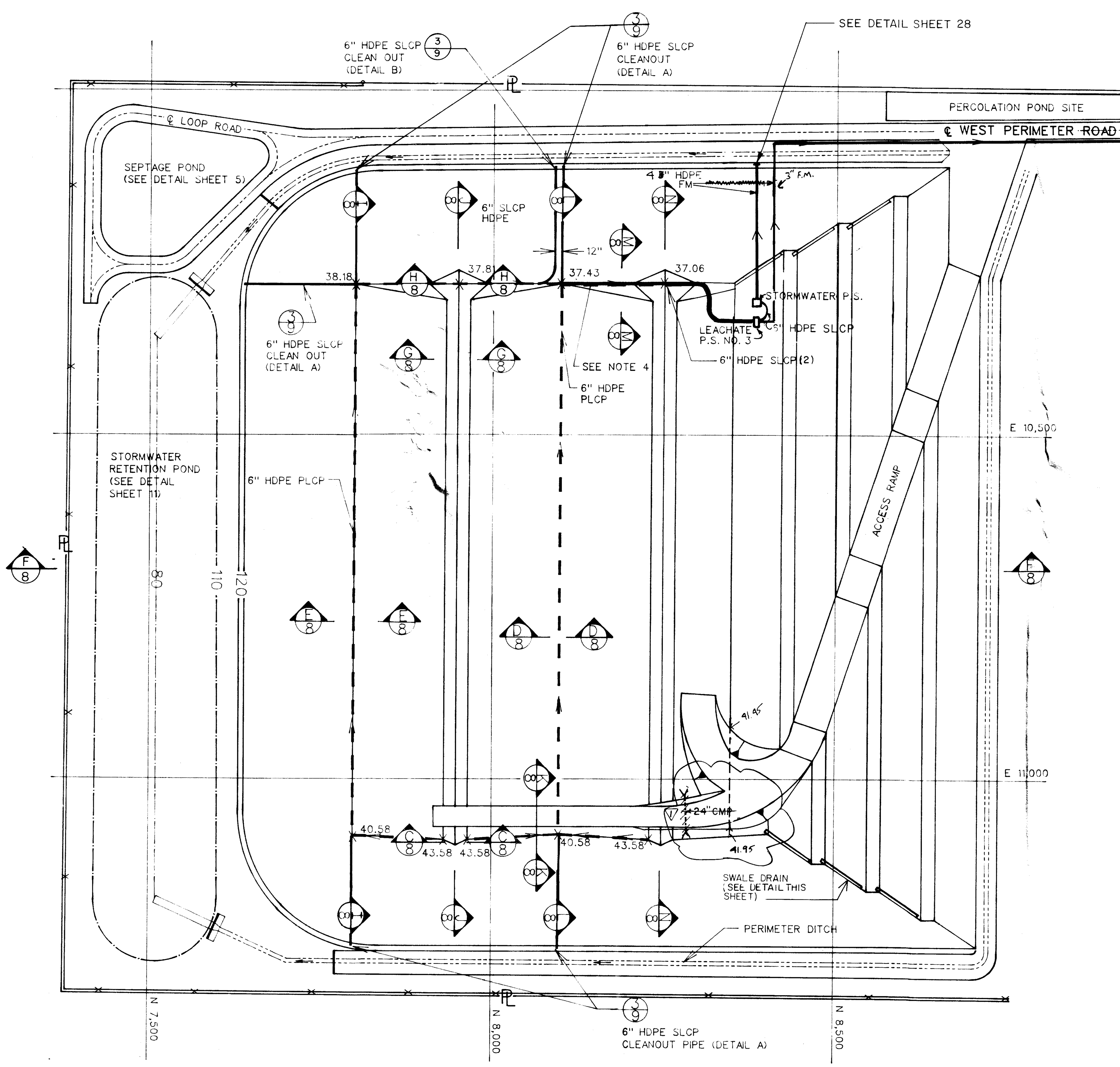

SECTION (B/5)
N.T.S.

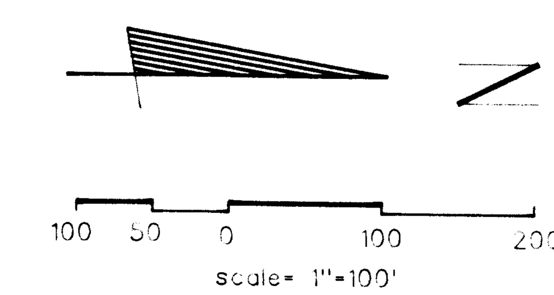
"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

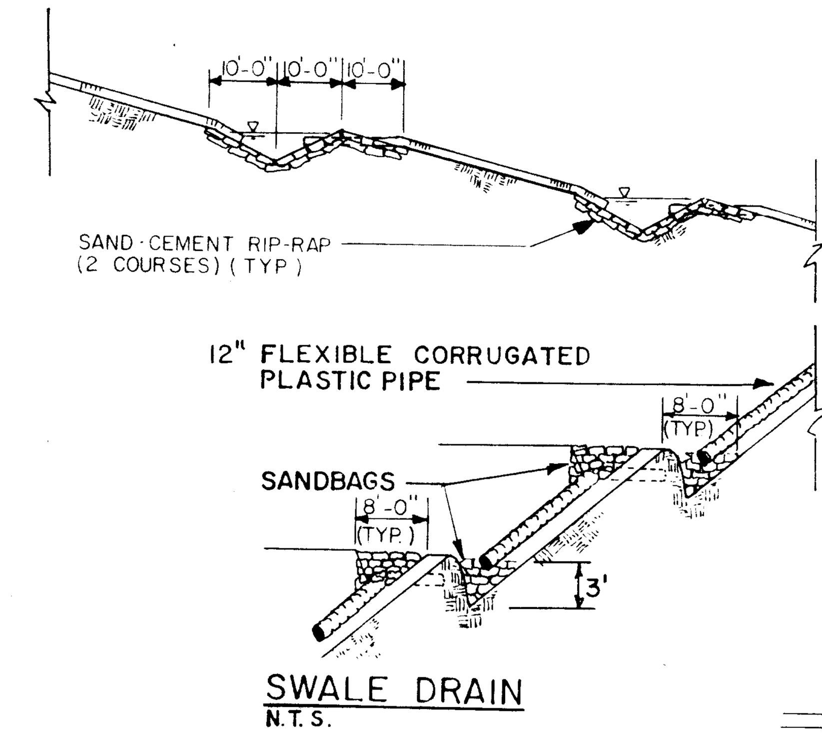
| PBS&J POST, BUCKLEY, SCHUH & JERNIGAN, INC. | CLIENT | PROJECT | TASK | | | | |
|---|---|---|---|---|---|---|---|
| | CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK SECTIONS / DETAILS | ORIGINAL MARCH 1989 REVISIONS: 1 RECORD DRAWINGS 7-24-90 2 3 4 5 | 6 7 8 9 10 11 12 | NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK | JOB NO. 22-081.00 DRAWN DJS/FFS/RSH DESIGNED DJS CHECKED T.E.I. QC S.B.L. SHEET 6/32 |

REPRO PRODUCTS INC. 2A



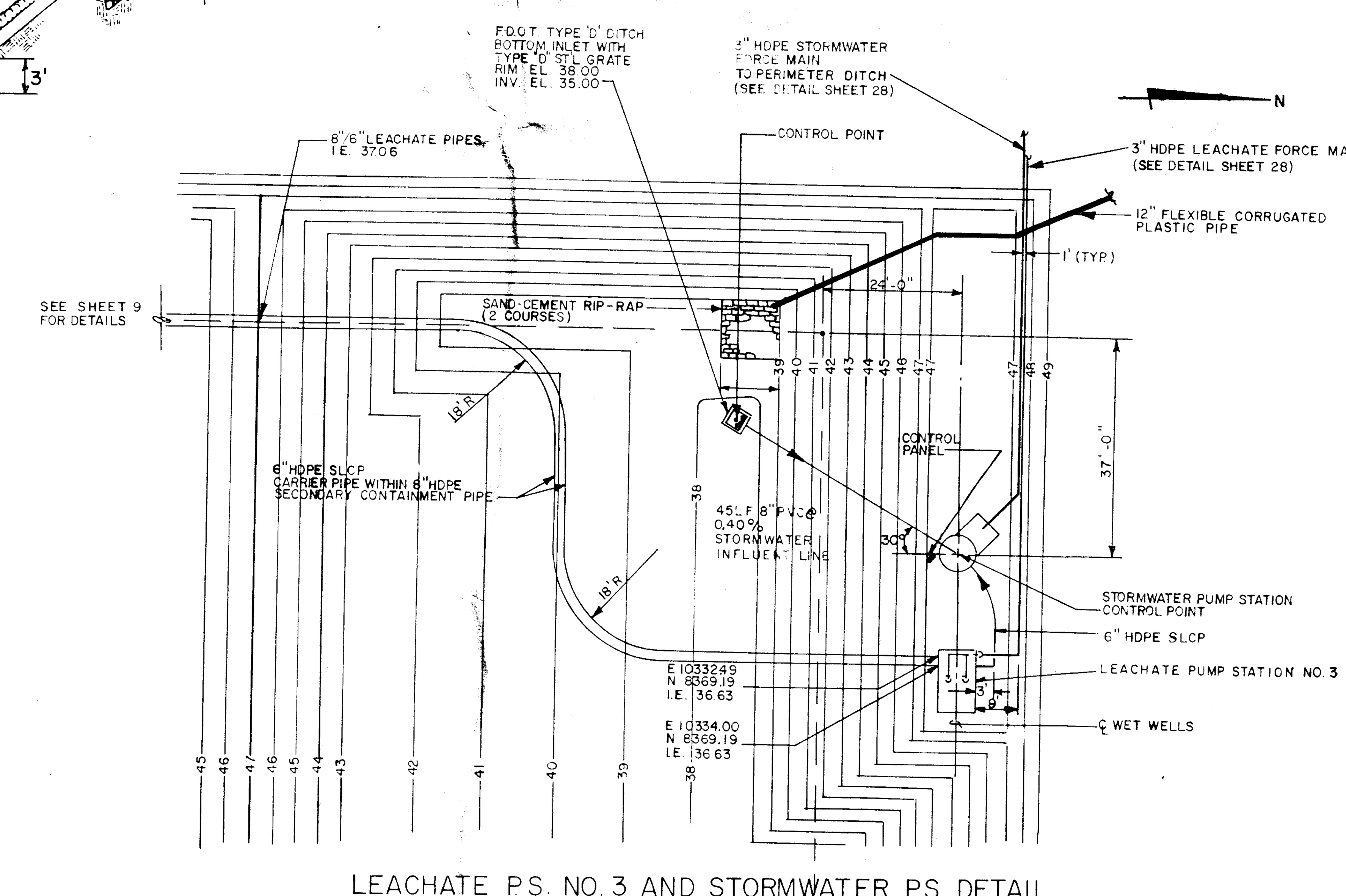




SWALE DRAIN
N.T.S.

NOTES:

1. EXISTING LEACHATE MANHOLES NO. 1 & NO. 2 SHALL BE CONVERTED TO LEACHATE PUMP STATIONS NO. 1 & NO. 2. SEE DETAIL SHEET 17.
2. SEE SHEET 18 FOR LEACHATE PUMP STATION NO. 3 DETAILS.
3. SEE SHEET 19 FOR STORMWATER PUMP STATION DETAILS.
4. SEE SHEET 9 FOR LEACHATE PIPING DIAGRAM.
5. SEE SHEET 4 FOR SITE GRADING. SEE SHEET 5 FOR BASE GRADING.
6. ALL ELEVATIONS GIVEN ON THIS SHEET (eg. x 40.58) ARE PIPE INVERTS UNLESS OTHERWISE NOTED.




LEACHATE P.S. NO. 3 AND STORMWATER P.S. DETAIL
Scale 1" = 20'

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK LEACHATE COLLECTION PLAN, SECTION AND DETAIL |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90
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JOB NO. 22-081.00
DRAWN FFS / RSH
DESIGNED DJS/CSL
CHECKED TE I.
QC S.B.L.

SHEET 7 / 32

REPRO PRODUCTS INC. 2A


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|---|---|---|---|---|---|
| PBS&J POST, BUCKLEY, SCHUH & JERNIGAN, INC. | CLIENT: CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | PROJECT: CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | TASK: SITE WORK LEACHATE COLLECTION SECTIONS / DETAILS | ORIGINAL MARCH 1989 REVISIONS: 1 RECORD DRAWINGS 7-24-90 | JOB NO. 22-081.00 DRAWN FFS / RSH DESIGNED DJS CHECKED TEL QC SBL SHEET 8/32 |

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REPRO PRODUCTS INC. 2A


PBSJ
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY FLORIDA<br>DEPARTMENT OF<br>TECHNICAL SERVICES | CITRUS COUNTY<br>CENTRAL SANITARY<br>LANDFILL EXPANSION | SITE WORK<br>LEACHATE COLLECTION<br>SECTIONS/DETAILS |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90
2
3
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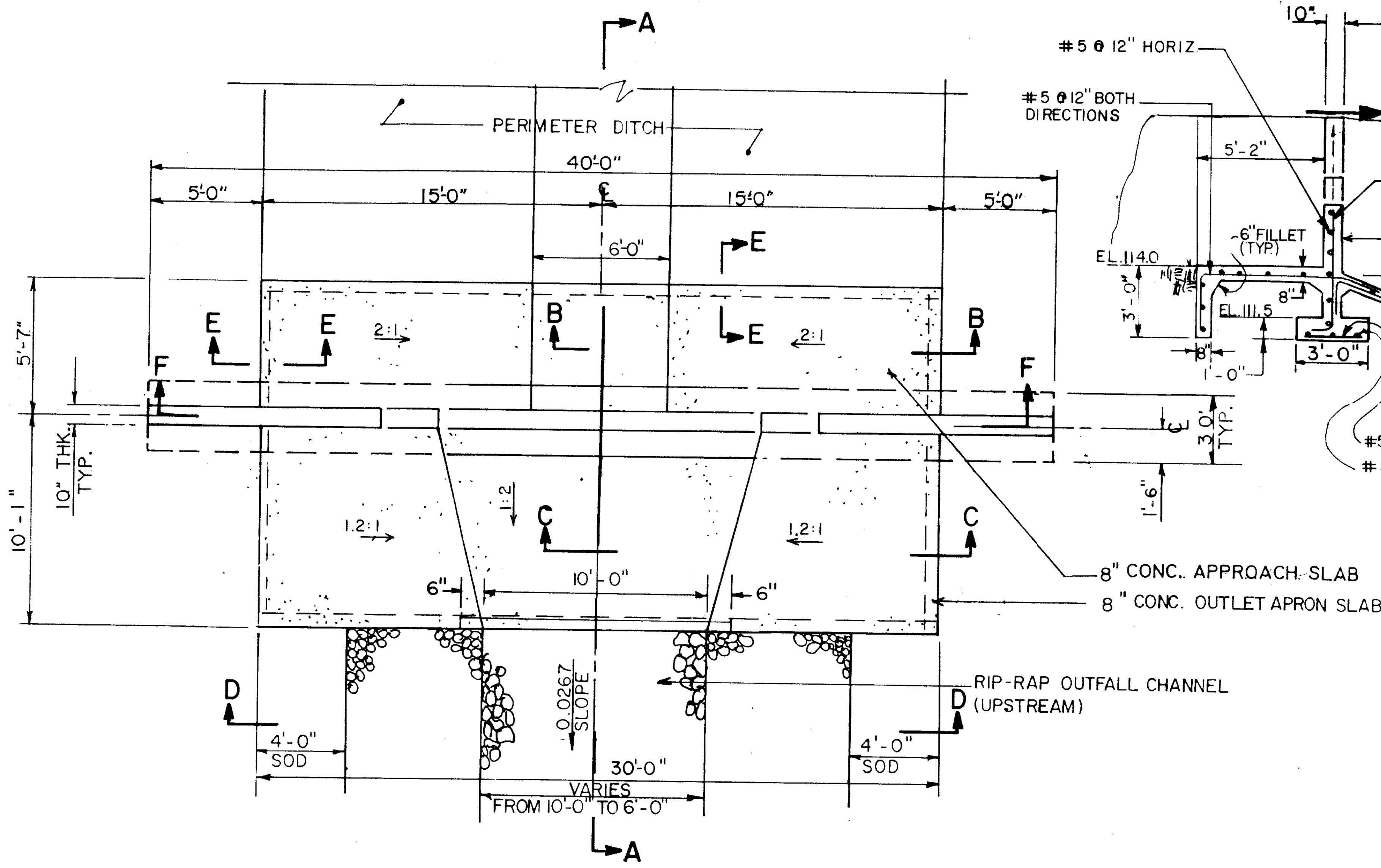
11
12

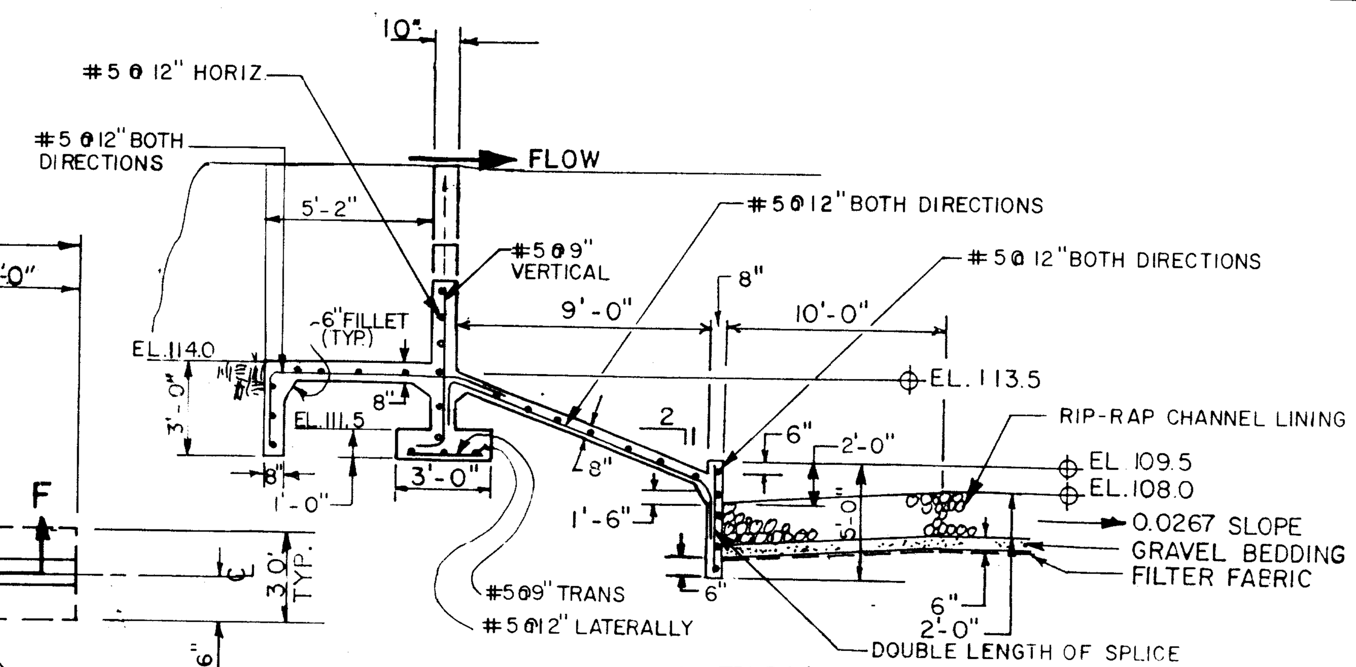
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN A.A.
DESIGNED D.S.
CHECKED T.E.I.
QC S.B.L.
SHEET 9/32

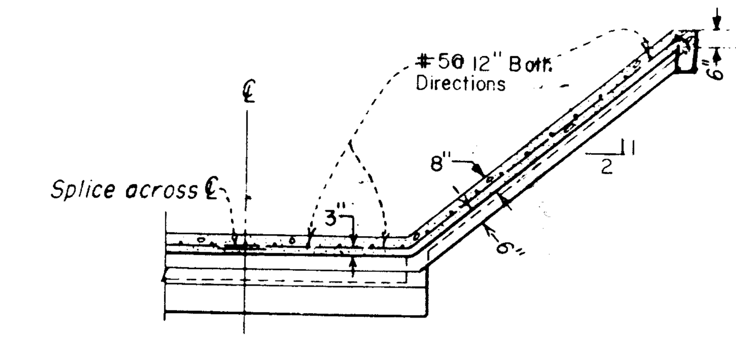
REPRO PRODUCTS INC. 2A



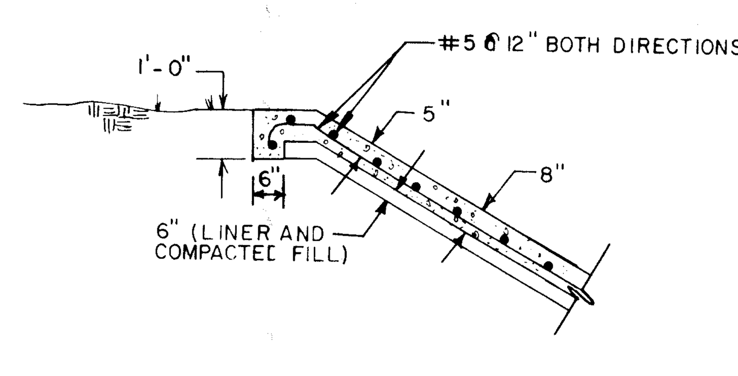

PLAN VIEW
N.T.S.



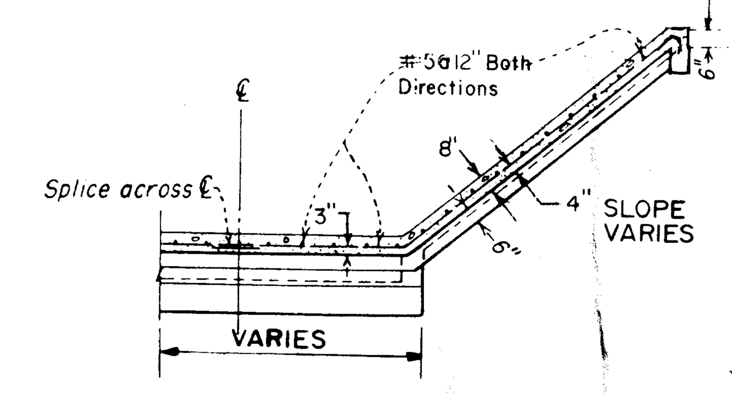

SECTION A-A
N.T.S.



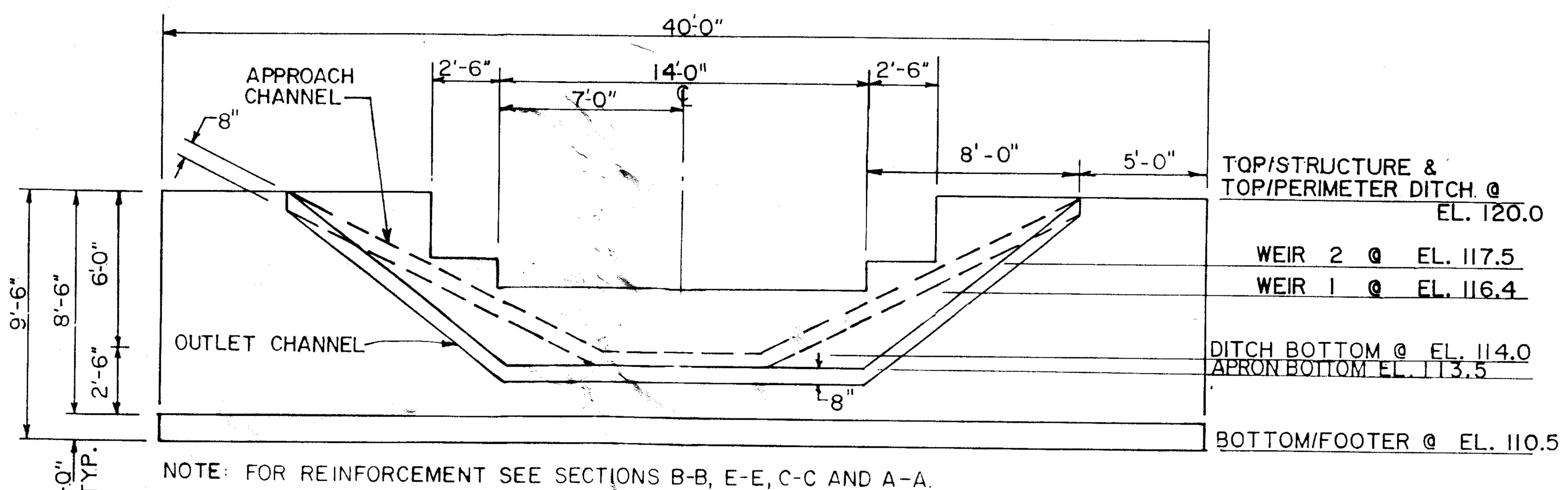

SECTION B-B
N.T.S.




SECTION E-E
N.T.S.




SECTION C-C
N.T.S.

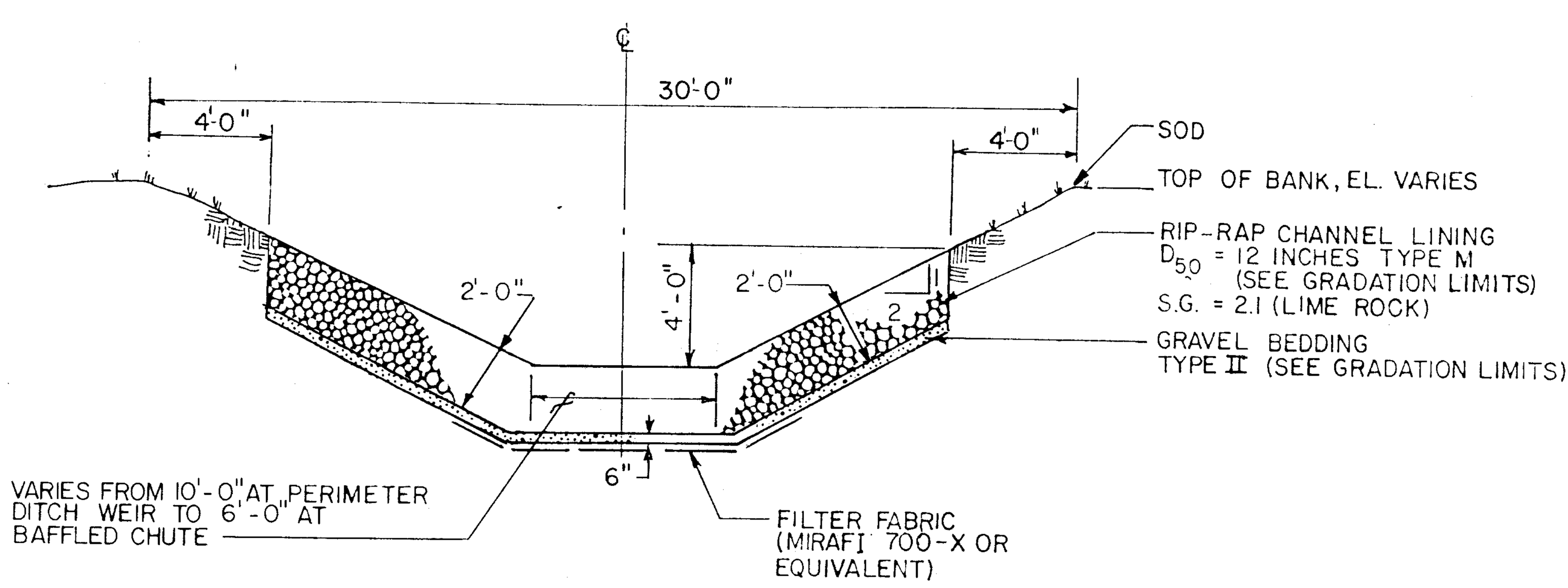



NOTE: FOR REINFORCEMENT SEE SECTIONS B-B, E-E, C-C AND A-A.

SECTION F-F

## PERIMETER DITCH WEIR STRUCTURE

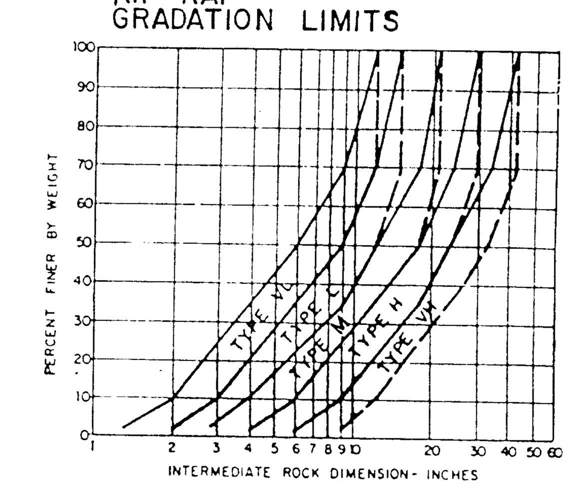
SCALE: 1"=5'



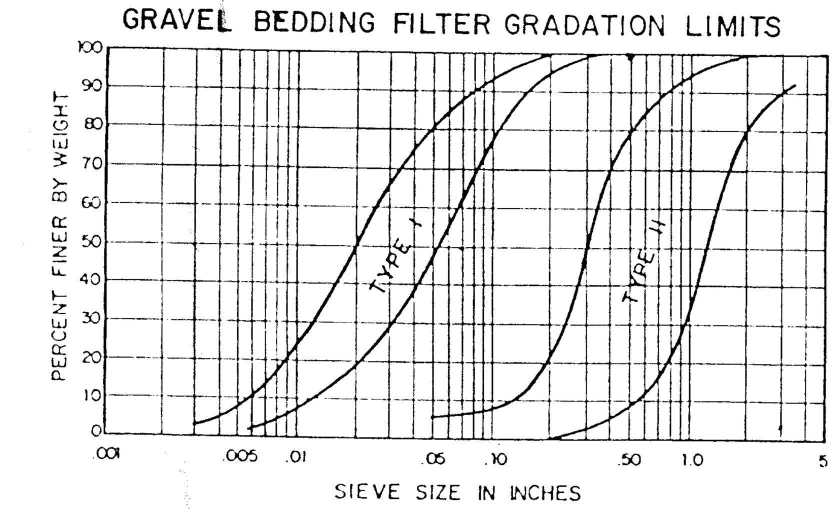

SECTION D-D
N.T.S.

NOTES:
1. BOTTOM WIDTH AND SIDES SLOPES VARY BETWEEN UPSTREAM AND DOWNSTREAM SECTIONS
2. PLACE FILTER FABRIC STARTING DOWNSTREAM AND WORK UPSTREAM.

RIP-RAP GRADATION LIMITS




GRAVEL BEDDING FILTER GRADATION LIMITS




"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CLIENT
CITRUS COUNTY, FLORIDA
DEPARTMENT OF
TECHNICAL SERVICES

PROJECT
CITRUS COUNTY
CENTRAL SANITARY
LANDFILL EXPANSION

TASK
SITE WORK
SURFACE WATER MANAGEMENT
SECTIONS / DETAILS

ORIGINAL MARCH 1989
REVISIONS

| | | |
|---|---|---|
| 1 Record Drawings 7-20-90 | 6 | |
| 2 | 7 | |
| 3 | 8 | |
| 4 | 9 | |
| 5 | 10 | |
| | 11 | |
| | 12 | |

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.10
DRAWN D.M.H.
DESIGNED R.E.D.
CHECKED K.D.
QC M.G.T.



REPRO PRODUCTS INC. 2A


PBSJ
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CLIENT
CITRUS COUNTY, FLORIDA
DEPARTMENT OF
TECHNICAL SERVICES

PROJECT
CITRUS COUNTY
CENTRAL SANITARY
LANDFILL EXPANSION

TASK
SITE WORK
SURFACE WATER MANAGEMENT
SECTIONS AND DETAILS

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN RSH
DESIGNED RED
CHECKED KBD
QC MGT
SHEET 11/32

REPRO PRODUCTS INC. 2A


**PBS&J**
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CLIENT
CITRUS COUNTY, FLORIDA
DEPARTMENT OF TECHNICAL SERVICES

PROJECT
CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION

TASK
SITE WORK
PERIMETER ROAD
PLAN & PROFILE
STA. 5+00 TO STA. 10+27

ORIGINAL MARCH 1989
REVISIONS:
1. Record Drawings 7-24-90

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN N.S./A.A.
DESIGNED E.M.
CHECKED E.M.
QC Z.C.

SHEET 12/32


"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

SCALE:
HORIZONTAL: 1" = 30'
VERTICAL: 1" = 5'

PBSJ
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA<br>DEPARTMENT OF<br>TECHNICAL SERVICES | CITRUS COUNTY<br>CENTRAL SANITARY<br>LANDFILL EXPANSION | SITE WORK<br>WEST PERIMETER ROAD<br>PLAN & PROFILE<br>STA. 10+27 TO STA. 16+75 |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90
2
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NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN N.S./A.A.
DESIGNED E.M.
CHECKED E.M.
QC Z.C.

SHEET 13/32

REPRO PRODUCTS INC.


PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK WEST PERIMETER ROAD PLAN & PROFILE STA. 16+75 TO STA. 25+20 |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90
2
3
4
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6
7
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NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN N.S./A.A.
DESIGNED E.M.
CHECKED E.M.
QC Z.C.

SHEET 14/32


PBSJ
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA<br>DEPARTMENT OF<br>TECHNICAL SERVICES | CITRUS COUNTY<br>CENTRAL SANITARY<br>LANDFILL EXPANSION | SITE WORK<br>WEST PERIMETER ROAD<br>PLAN & PROFILE<br>STA. 25+20 TO STA. 33+50 |

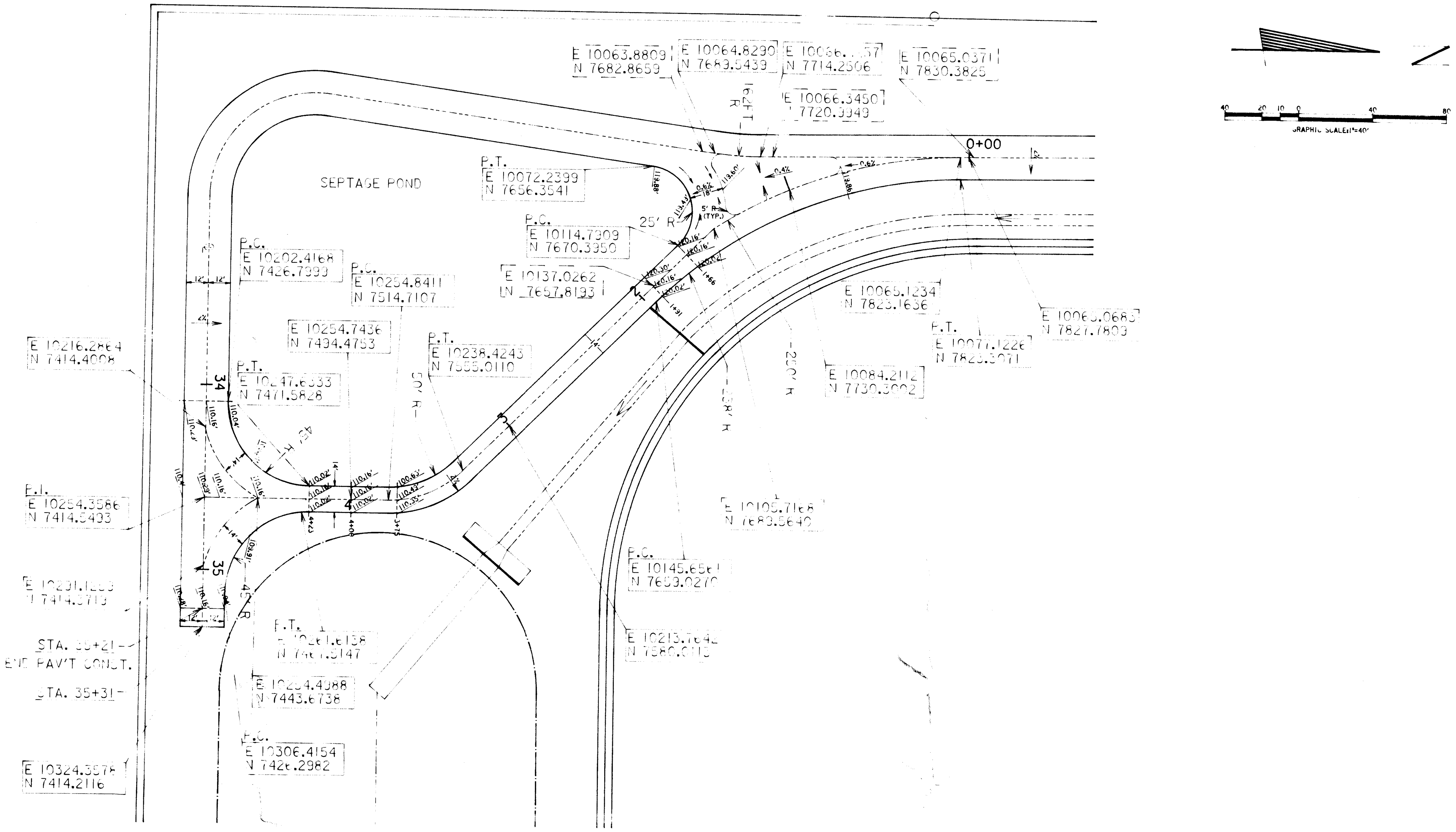
ORIGINAL MARCH 1989
REVISIONS:
1. RECORD DRAWINGS 7-24-90

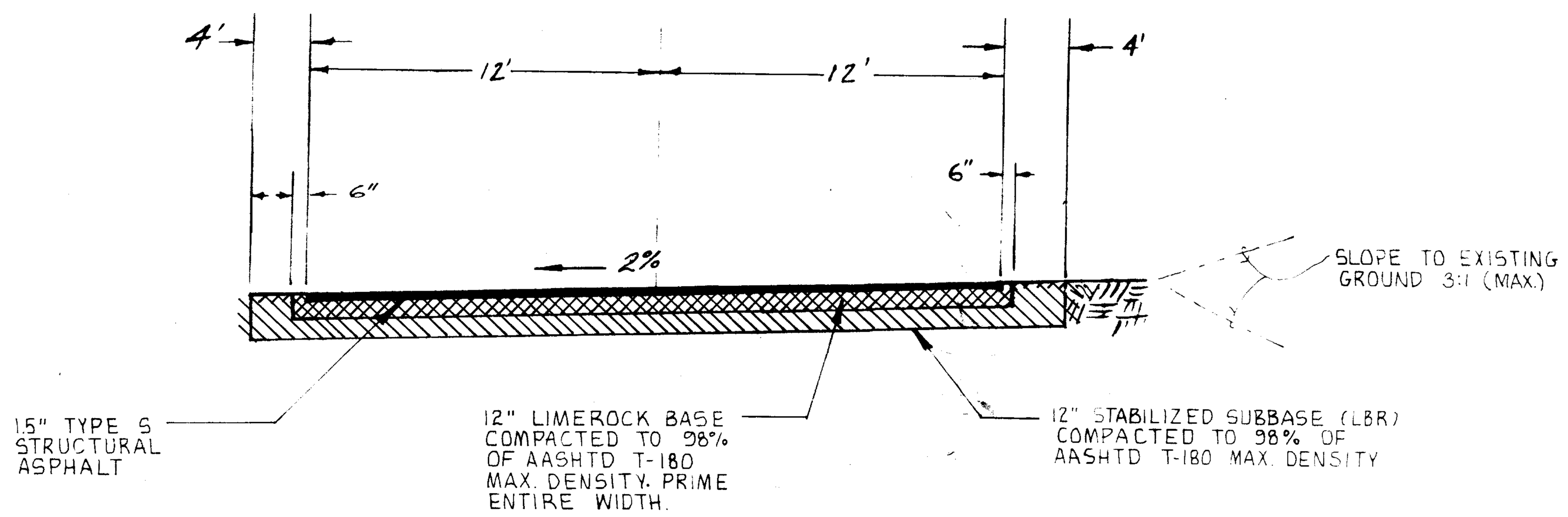
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN N.S./A.A.
DESIGNED E.M.
CHECKED E.M.
QC

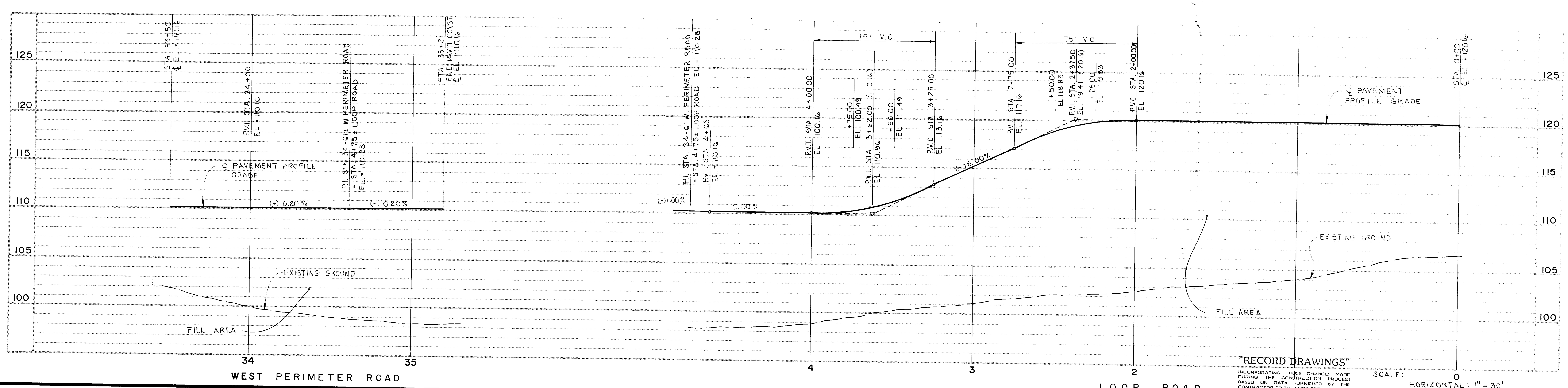
SHEET 15/32

REPRO PRODUCTS INC




TYPICAL PAVEMENT SECTION




"RECORD DRAWINGS"

INCORPORATING THESE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

SCALE: HORIZONTAL: 1" = 30'
VERTICAL: 1" = 5'

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

REPRO PRODUCTS INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK LOOP ROAD PLAN & PROFILE |

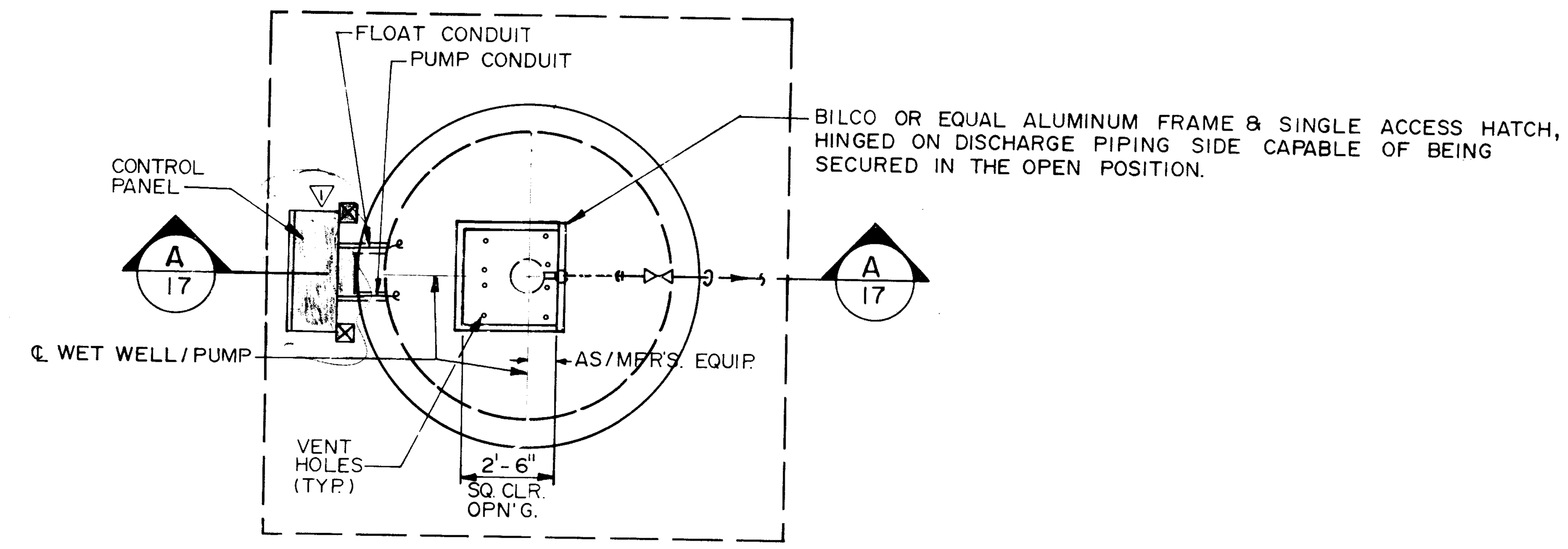
ORIGINAL MARCH 1989
REVISIONS:

| | |
|---|---|
| 1 12-6-89 REV. VERT. CURVES | 7 |
| 2 1/11/90 REV. (LOOP RD) | 8 |
| 3 RECORD DRAWINGS 7-24-90 | 9 |
| 4 | 10 |
| 5 | 11 |
| 6 | 12 |

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

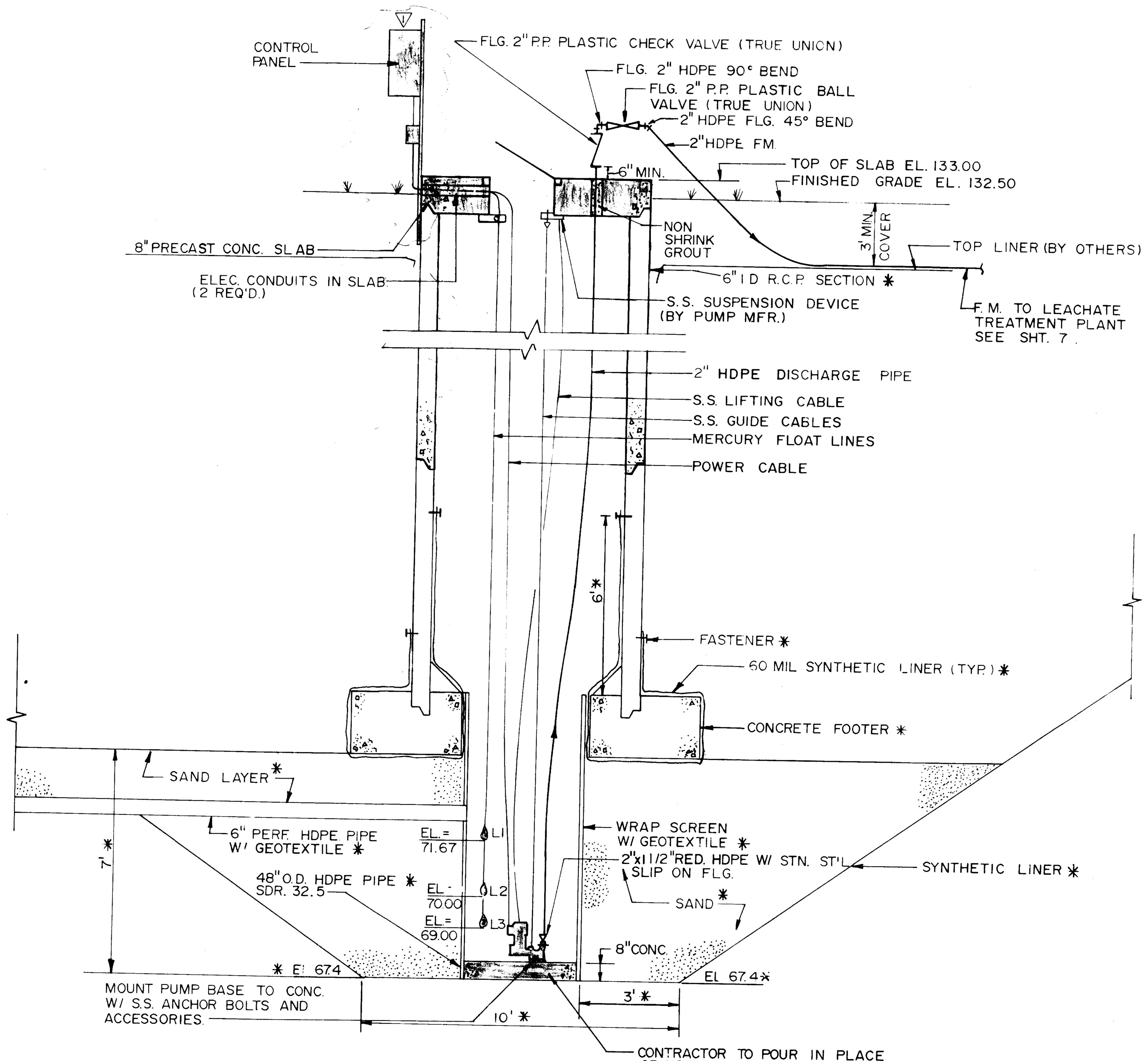
JOB NO. 22-081.00
DRAWN N.S./A.L.
DESIGNED E.M.
CHECKED E.M.
QC Z.C.

SHEET 16/32



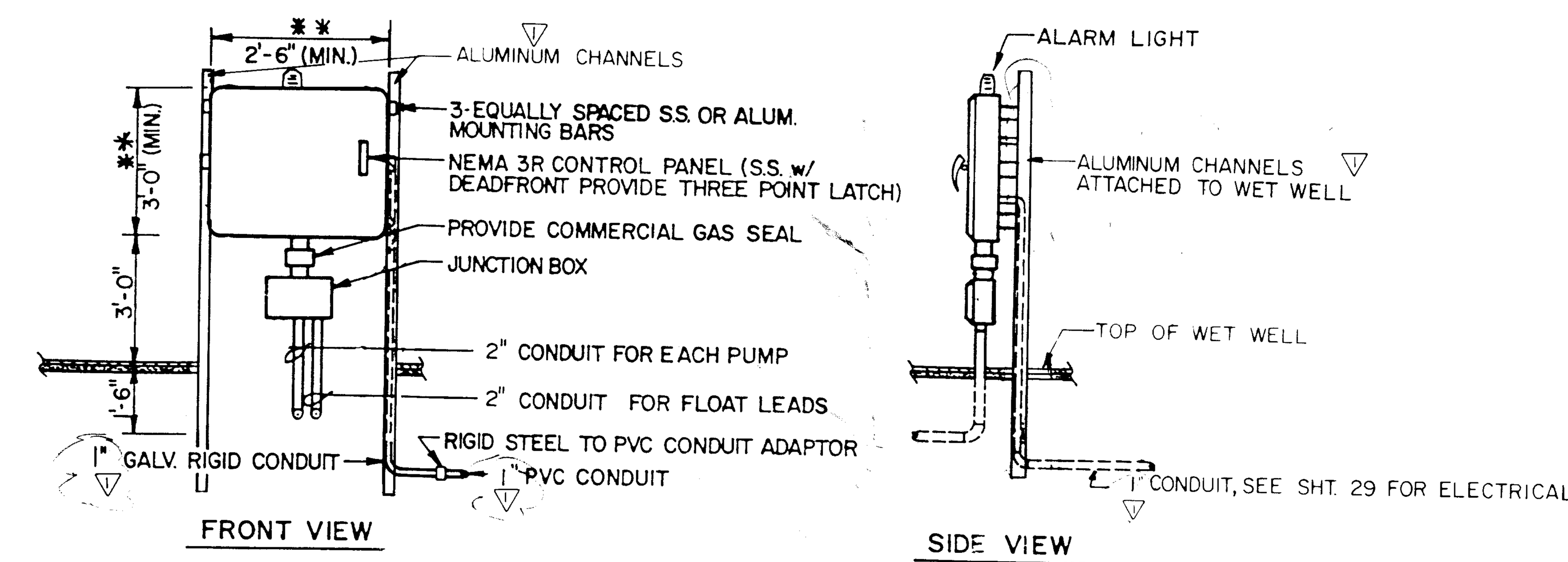

## PLAN

SCALE: 3/8" = 1'-0"




## SECTION (A/17)

SCALE: 3/8" = 1'-0"




## CONTROL PANEL

N.T.S.

### LIQUID LEVEL REGULATORS

L-1 LOW LEVEL REGULATOR PUMP OFF
L-2 2 LEVEL REGULATOR PUMP STARTS
L-3 3rd LEVEL REGULATOR HIGH LEVEL ALARM ON

NOTES:

1. * DENOTES EXIST. FEATURES
2. ANCHOR BOLTS TO EXTEND INTO BASE 5" & SET w/ TYPE II NON-SHRINK GROUT.
3. ALL HARDWARE FOR BASE PLATE/HATCH COVER SHALL BE S.S.
4. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. PROVIDE PIPE SUPPORTS AS REQUIRED.
6. PLAN, SECTION AND DETAILS ARE TYPICAL FOR BOTH LEACHATE PUMP STATIONS NO.1 & NO.2.
7. PAINT INSIDE OF EACH MANHOLE FROM LOWER EXISTING LINER TO TOP.
8. MODIFICATION TO EXIST. MANHOLE TO BE DELAYED UNTIL COUNTY HAS SET LAST VERTICAL PIPE SECTION, CONTRACTOR TO COORDINATE WITH COUNTY.

### PUMP SPECIFICATIONS

| | |
|---|---|
| PUMPS REQUIRED | ONE PER STATION |
| MANUFACTURER & MODEL NO. | KSB, KRTU 40-250/54(235) |
| PUMP SIZE: | |
| CAPACITY (GPM) | 22 |
| TOTAL HEAD (FEET) | 96 |
| IMPELLER NO. | 235 |
| MOTOR REQUIREMENTS | 10 HP, 460 VOLTS, EXPLOSION PROOF, 3 PHASE |
| SPEED | 1750 RPM |

"RECORD DRAWINGS"

INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | SITE WORK LEACHATE PUMP STATIONS NO. 1 AND NO. 2 |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7/23/90
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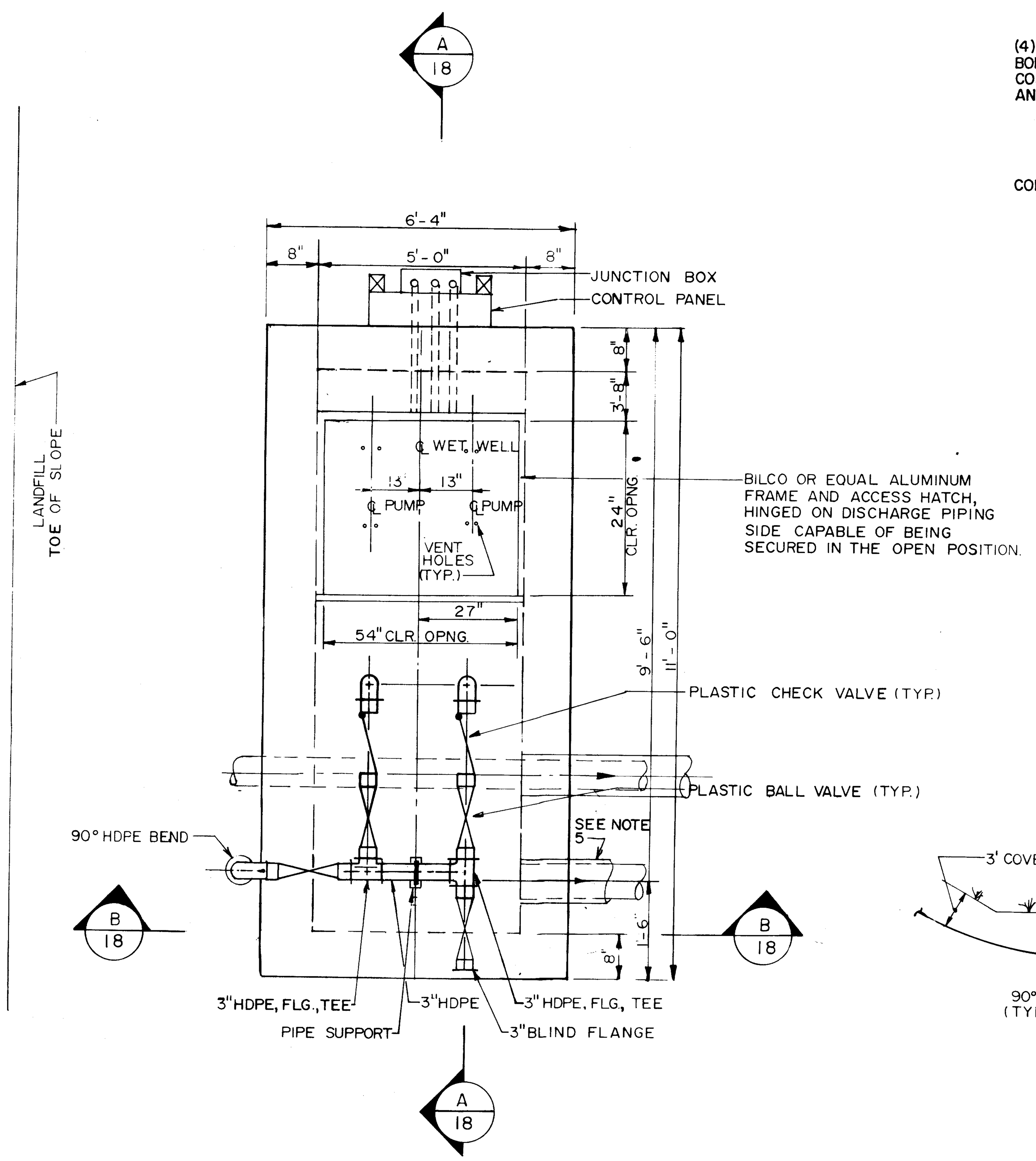
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN D.M.H.
DESIGNED
CHECKED
QC
SHEET 17/32

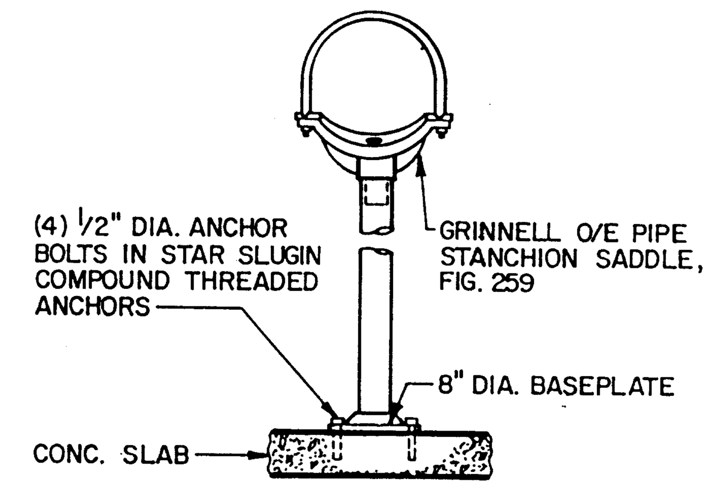
REPRO PRODUCTS INC.

## NOTES

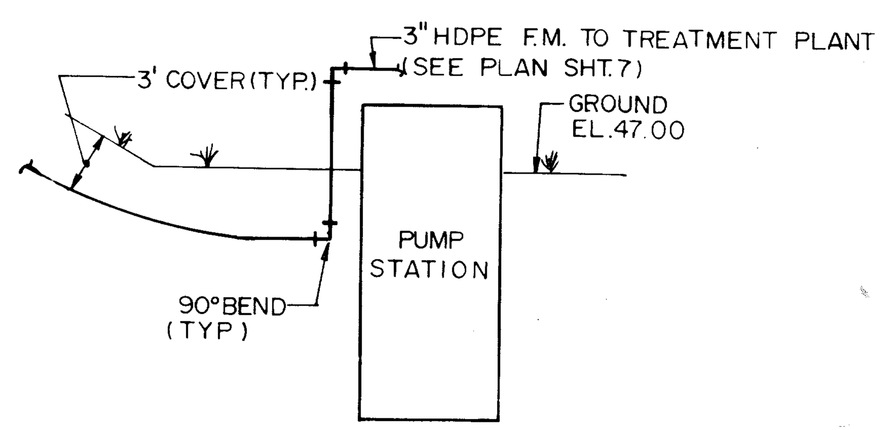
1. INSTALL ANCHOR BOLTS BEFORE GROUT IS POURED.
2. ANCHOR BOLTS TO EXTEND INTO BASE 7" & SET w/ TYPE II NON-SHRINK GROUT.
3. ALL HARDWARE FOR BASE PLATE HATCH COVER SHALL BE S.S.
4. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. PROVIDE 8 L.F. OF 6" CRUSHED STONE UNDER 8"/6" STORMWATER / LEACHATE PIPE LINES, BEGIN STONE AT PUMP STATION.



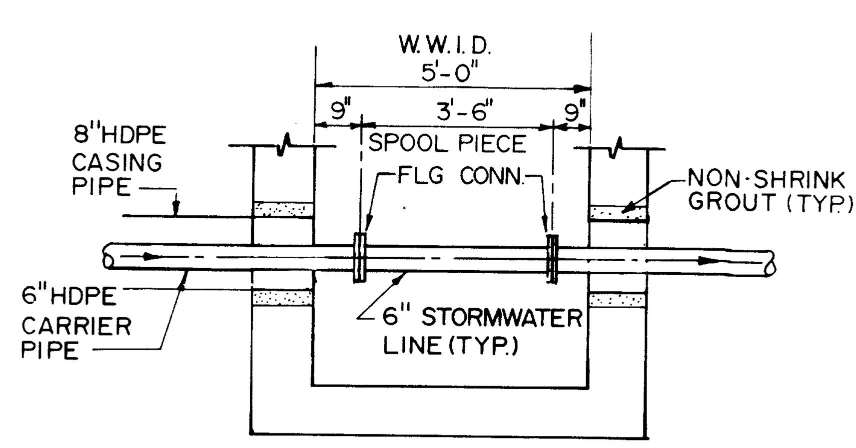

## PLAN
N.T.S.




## PIPE SUPPORT DETAIL "A"
N.T.S.

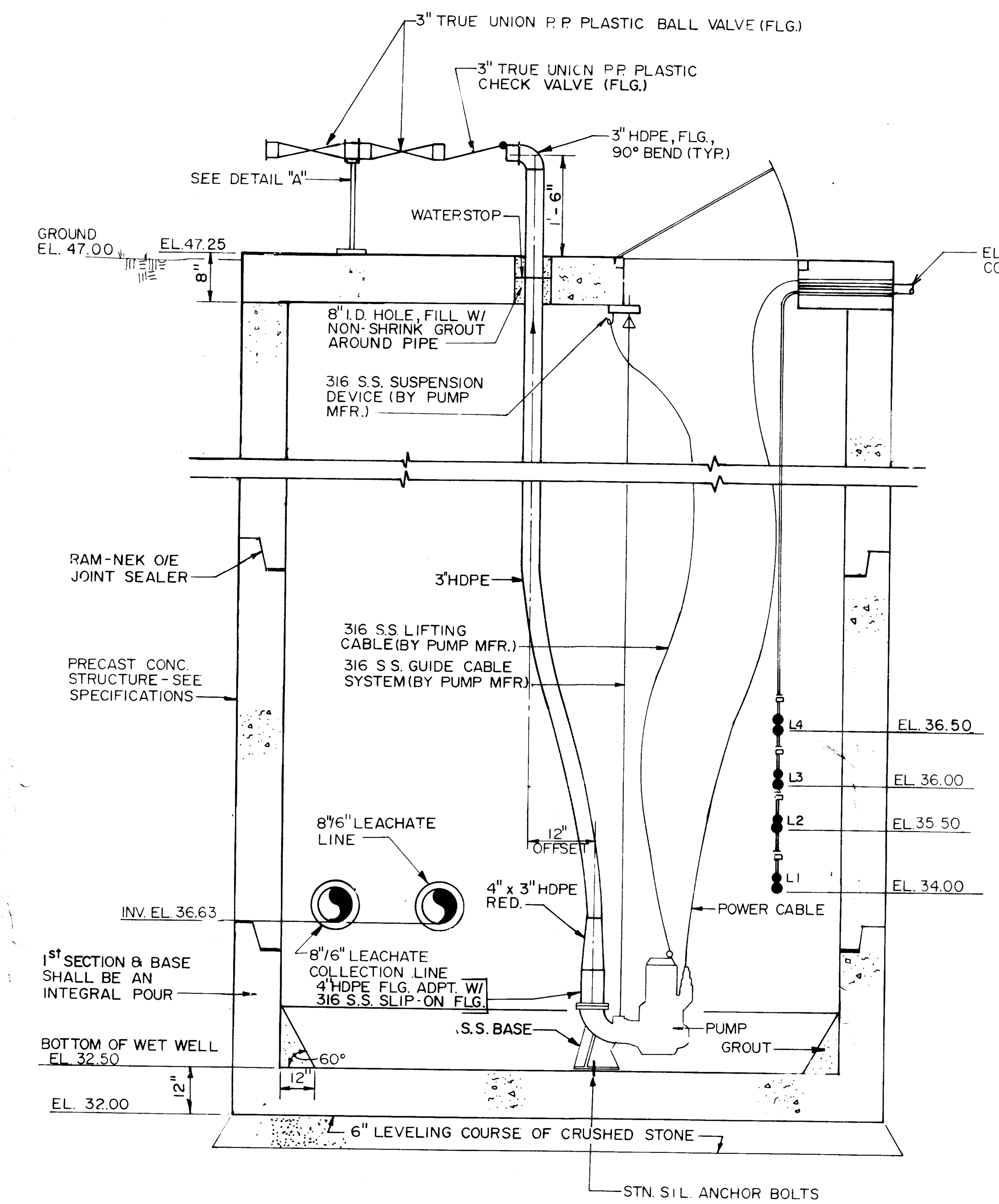



## PIPING SCHEMATIC
N.T.S.

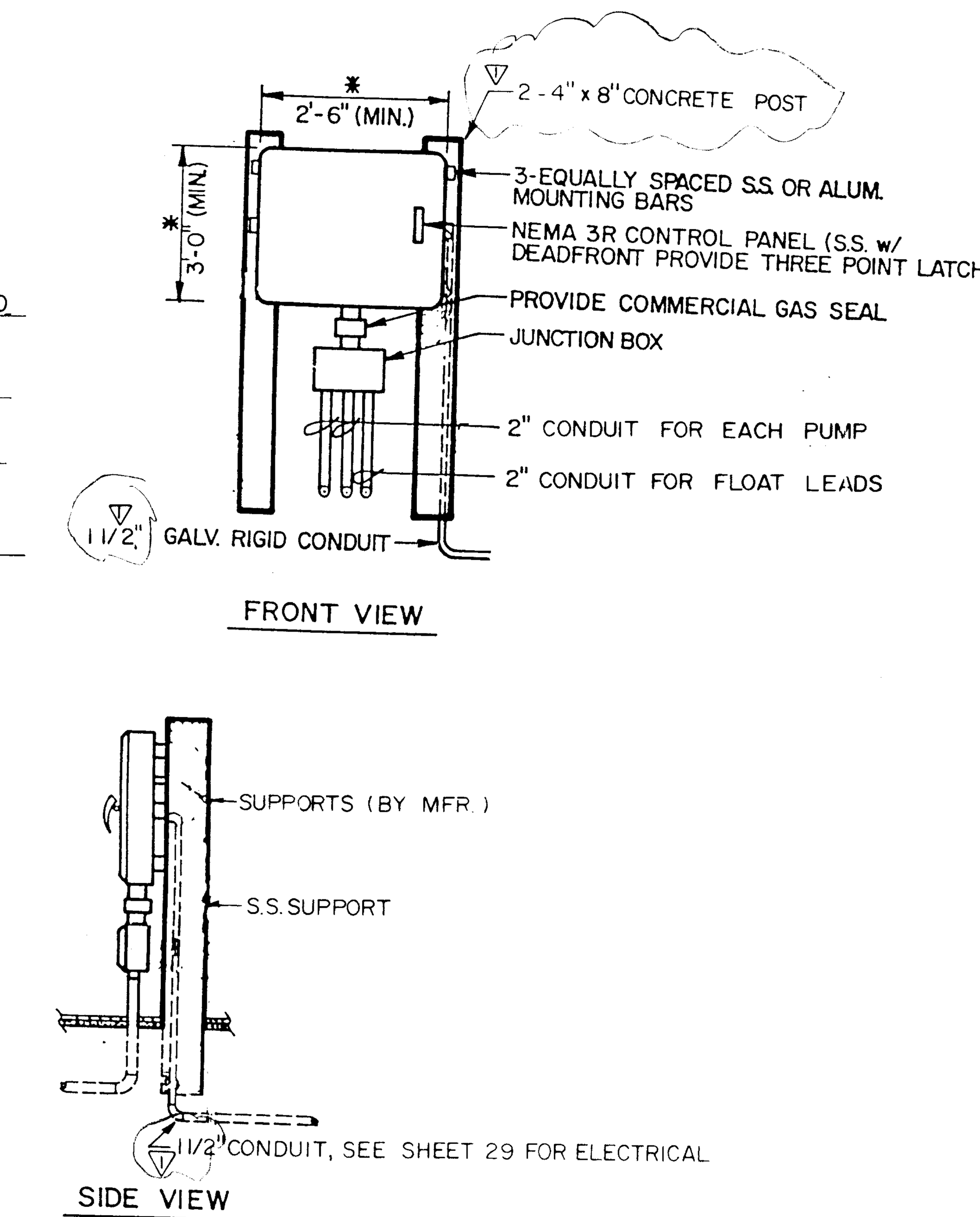



NOTE:
FLANGE CONNECTIONS SHALL HAVE STAINLESS STEEL SLIP ON FLANGES WITH STAINLESS STEEL NUTS, BOLTS AND ACCESSORIES.

## SECTION B/18
N.T.S.




## SECTION A/18
N.T.S.




## CONTROL PANEL
N.T.S.

## PUMP SPECIFICATIONS

| | |
|---|---|
| PUMPS REQUIRED | 2 |
| MANUFACTURER & MODEL NO. | KSB KRT···40-250/54 (240) |
| PUMP SIZE: | |
| CAPACITY (GPM) | 60 |
| TOTAL HEAD (FEET) | 116 |
| IMPELLER NO. | TRIM |
| MOTOR REQUIREMENTS | 10 HP, VOLTS, 3 PHASE EXPLOSION PROOF |
| SPEED | 1750 RPM |

## LIQUID LEVEL REGULATORS

- L-1 LOW LEVEL REGULATOR BOTH PUMPS OFF
- L-2 2 LEVEL REGULATOR LEAD PUMP STARTS
- L-3 3rd LEVEL REGULATOR BOTH PUMPS ON (LAG PUMP STARTS)
- L-4 4th LEVEL REGULATOR HIGH LEVEL ALARM ON

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CLIENT: CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES

PROJECT: CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION -

TASK: SITE WORK LEACHATE PUMP STATION NO.3

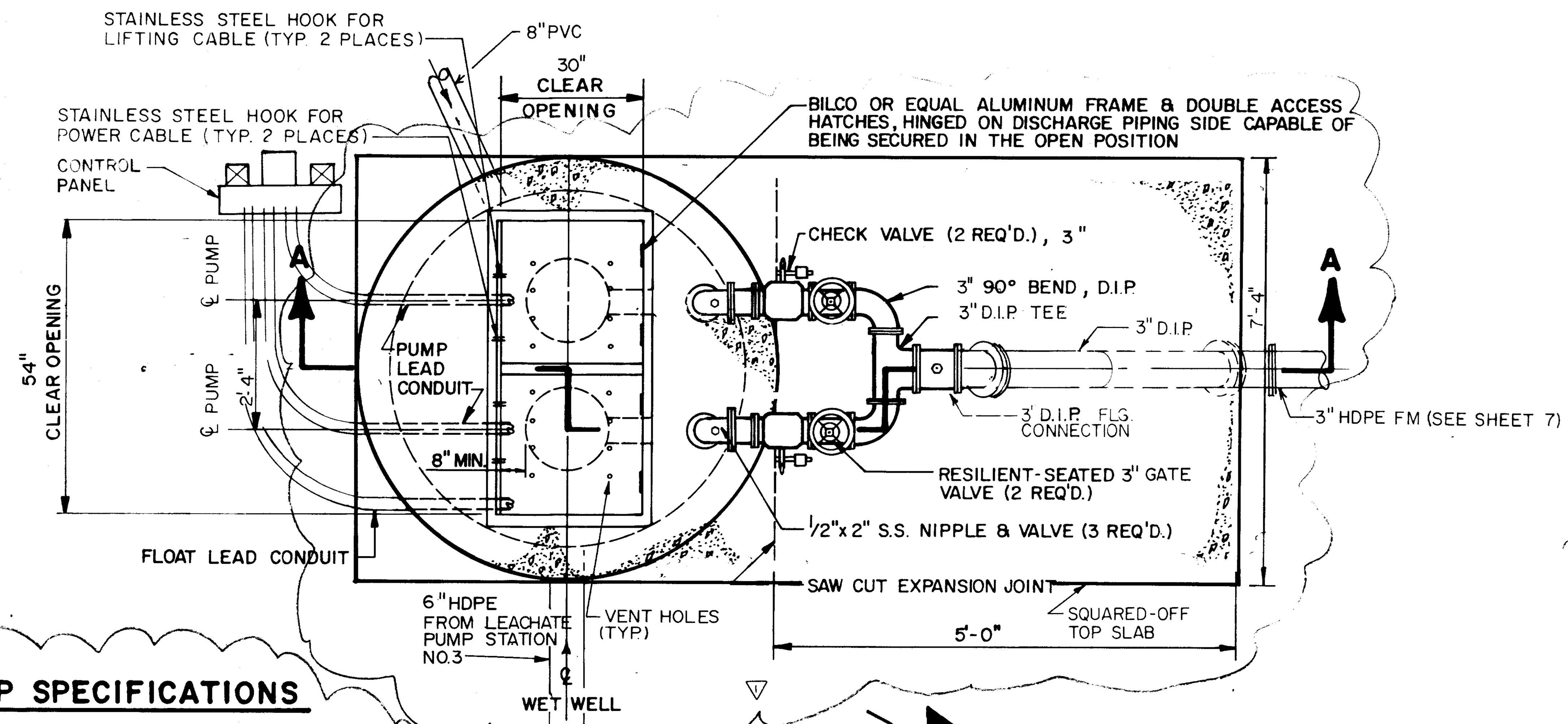
ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7/23/90

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN
DESIGNED
CHECKED
QC

SHEET 18/32

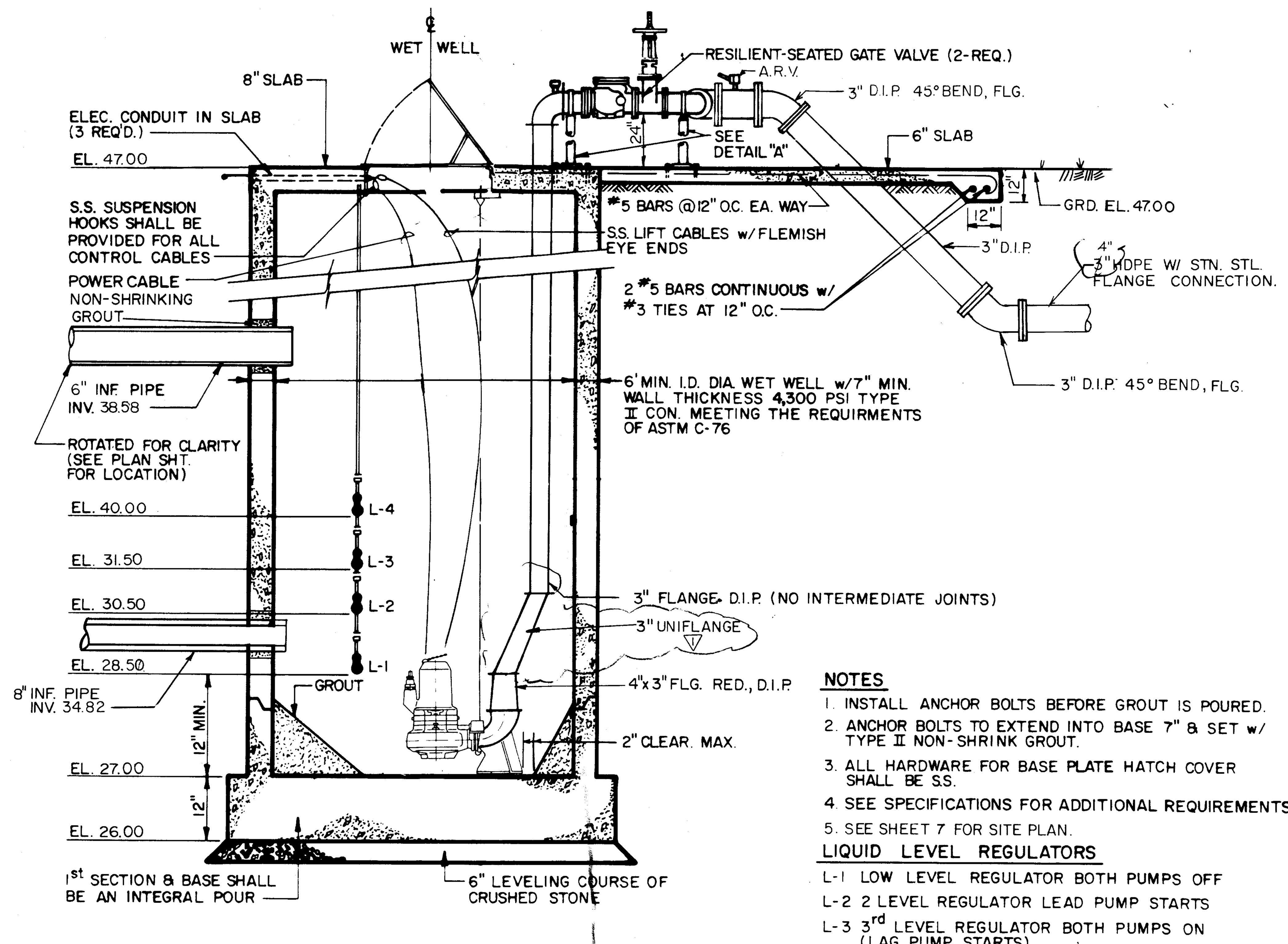
REPRO PRODUCTS INC. 2A




## PLAN
N.T.S.

## PUMP SPECIFICATIONS

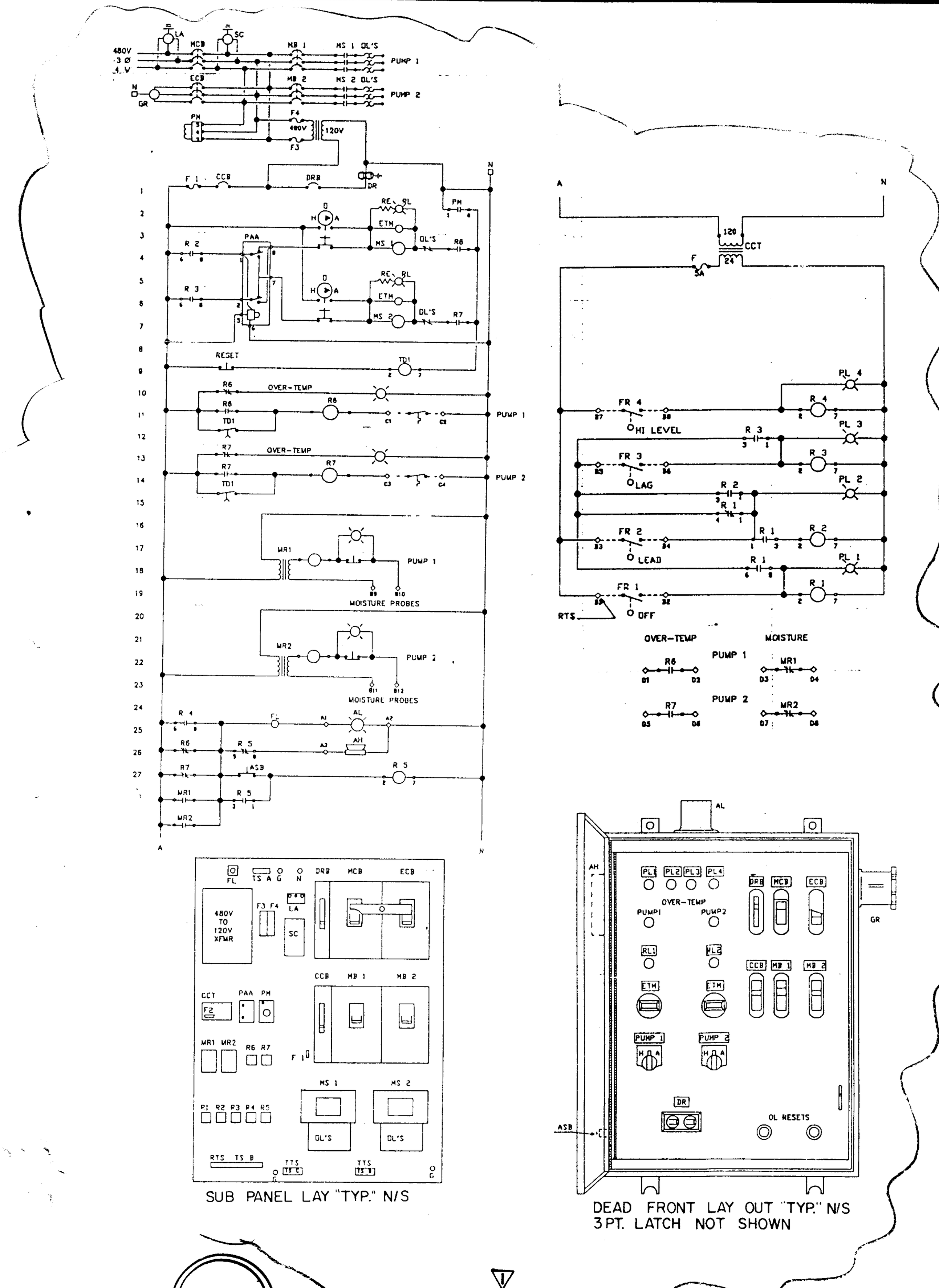
| | |
|---|---|
| PUMPS REQUIRED | 2 |
| MANUFACTURER & MODEL NO. | KSB, KRTU-100-250/114(290) |
| PUMP SIZE | |
| CAPACITY (GPM) | 200 |
| TOTAL HEAD (FEET) | 85 |
| IMPELLER NO. | 250 |
| MOTOR REQUIREMENTS | 19.4 HP, 460 VOLTS, 3 PHASE |
| SPEED | 1735 RPM |

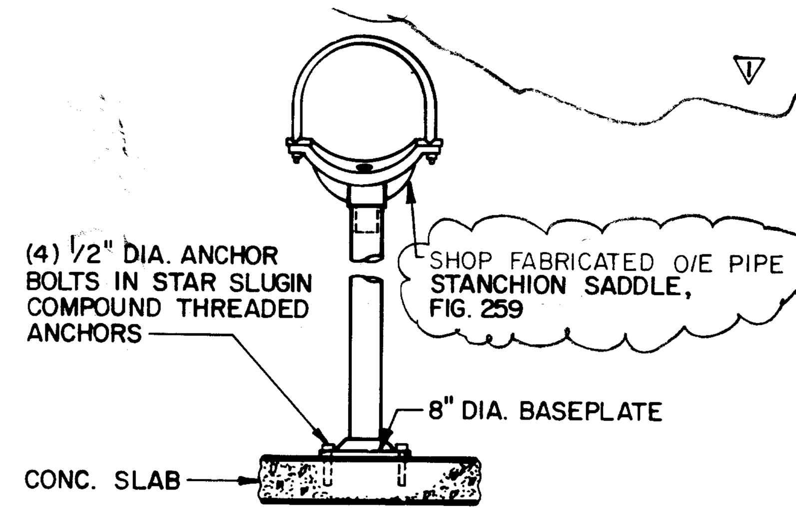



## SECTION A-A
N.T.S.

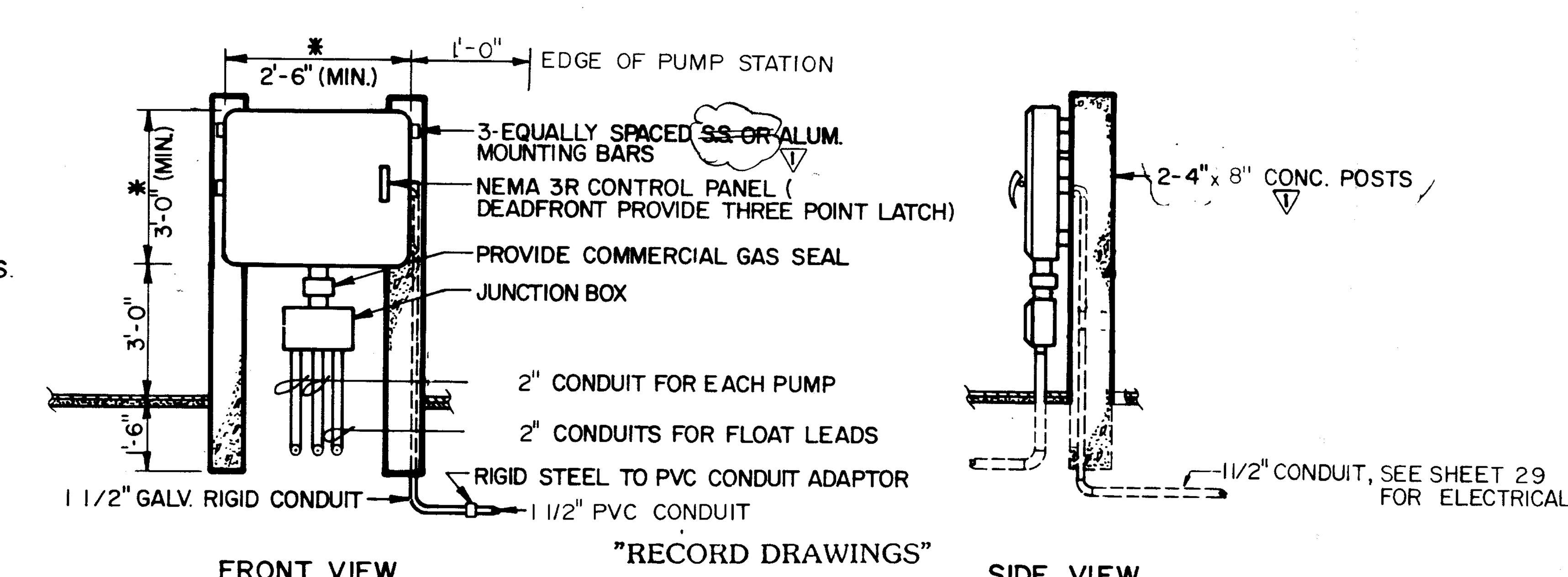
### NOTES
1. INSTALL ANCHOR BOLTS BEFORE GROUT IS POURED.
2. ANCHOR BOLTS TO EXTEND INTO BASE 7" & SET w/ TYPE II NON-SHRINK GROUT.
3. ALL HARDWARE FOR BASE PLATE HATCH COVER SHALL BE SS.
4. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
5. SEE SHEET 7 FOR SITE PLAN.

### LIQUID LEVEL REGULATORS
- L-1 LOW LEVEL REGULATOR BOTH PUMPS OFF
- L-2 2 LEVEL REGULATOR LEAD PUMP STARTS
- L-3 3rd LEVEL REGULATOR BOTH PUMPS ON (LAG PUMP STARTS)
- L-4 4th LEVEL REGULATOR HIGH LEVEL ALARM ON



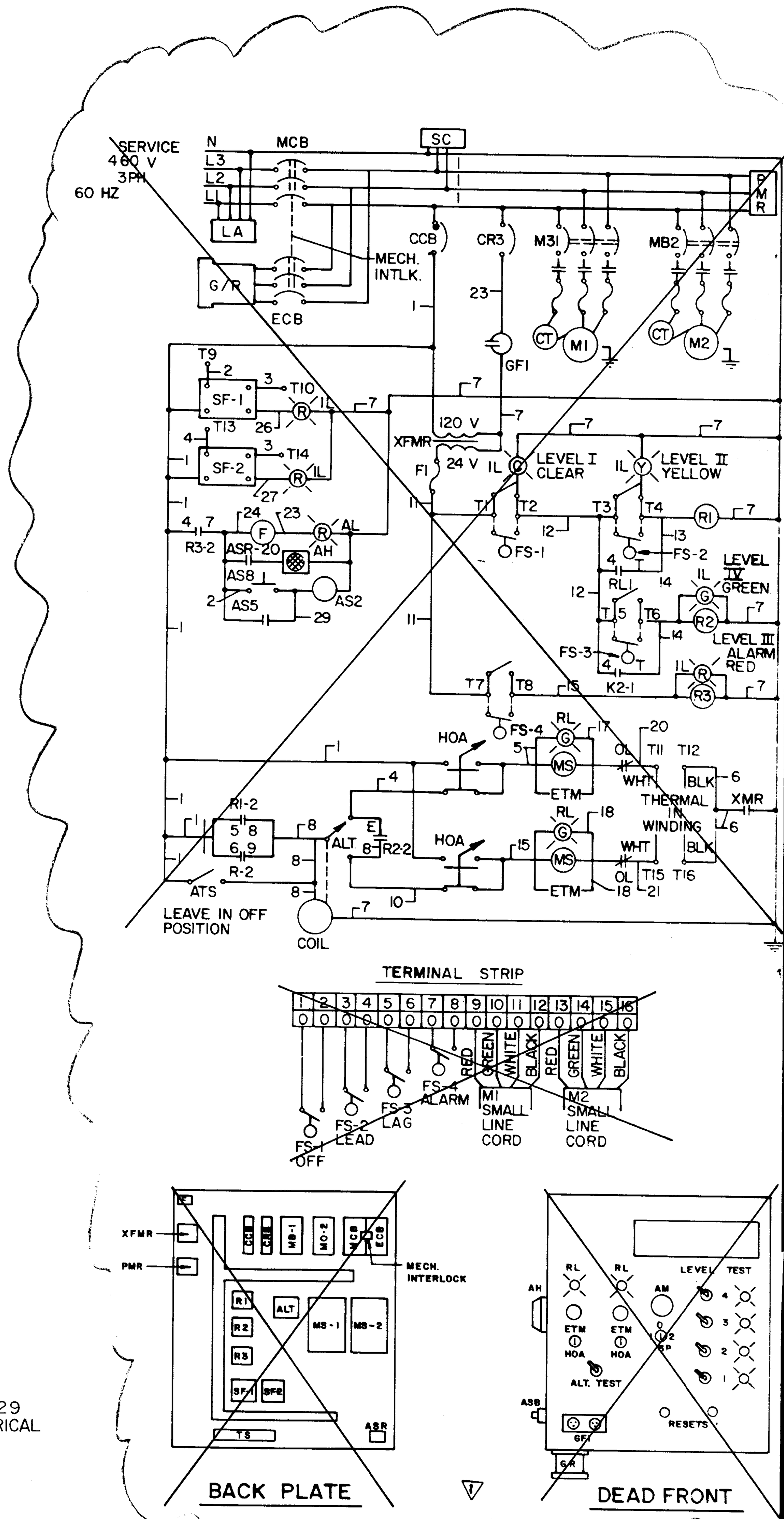




## PIPE SUPPORT DETAIL "A"
N.T.S.




"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

## CONTROL PANEL
N.T.S.



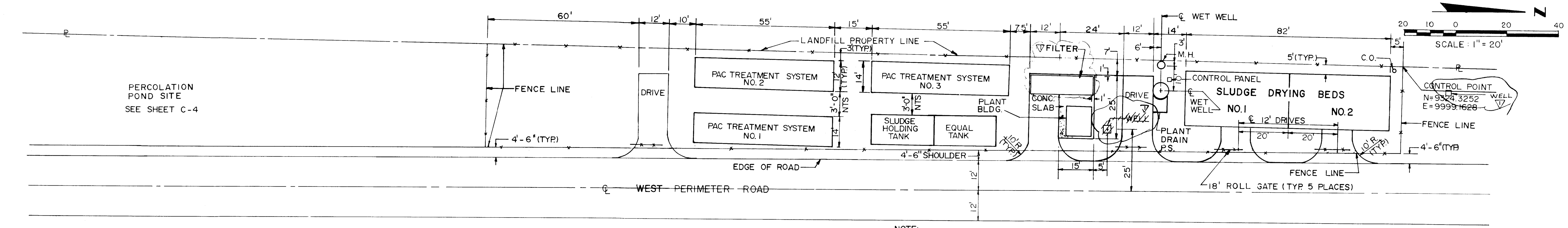

| | | | |
|---|---|---|---|
| PBS&J POST, BUCKLEY, SCHUH & JERNIGAN, INC. | CLIENT<br>CITRUS COUNTY, FLORIDA<br>DEPARTMENT OF<br>TECHNICAL SERVICES | PROJECT<br>CITRUS COUNTY<br>CENTRAL SANITARY<br>LANDFILL EXPANSION | TASK<br>SITE WORK<br>STORMWATER<br>PUMP STATION |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7-24-90

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

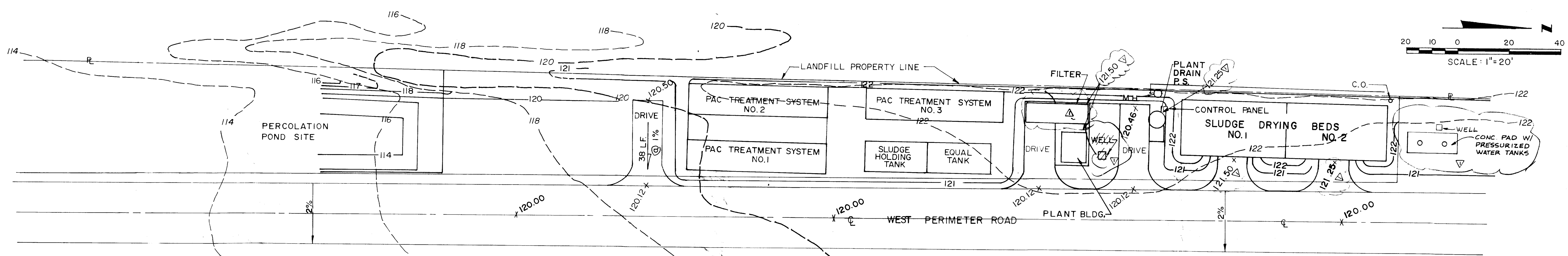
JOB NO. 22-081.00
DRAWN WB
DESIGNED DW
CHECKED E.P.
QC D.W., K.W.
SHEET 19/32

REPRO PRODUCTS INC. 2A



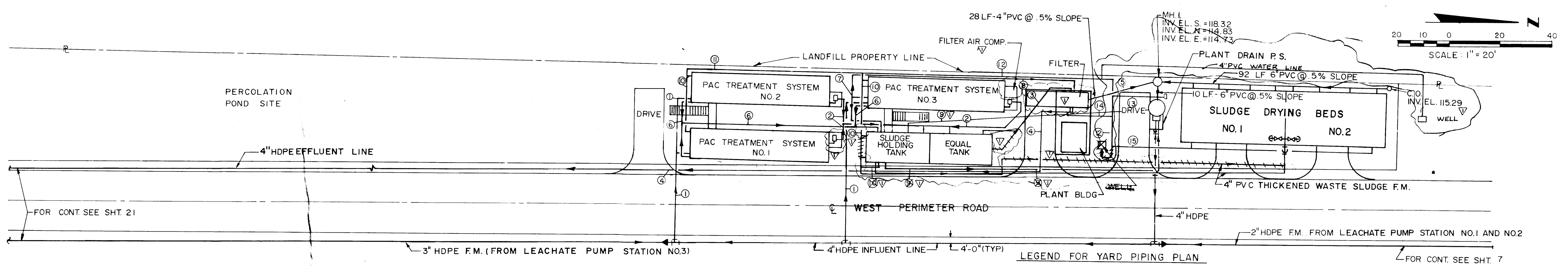

NOTE:
- ALL EAST/WEST DIMENSIONS ARE 90 DEGREES OFF OF THE WEST PROPERTY LINE.
- SEE SPEC "PRECAST CONCRETE STRUCTURES" FOR DETAILS OF PLANT BLDG.

HORIZONTAL PROJECT CONTROL




NOTE:
CONTRACTOR SHALL SOD 5'-0" AROUND EACH STRUCTURE
ALL OTHER AREAS TO BE SEEDED AND MULCHED.

DRAINAGE & GRADING




LEGEND FOR YARD PIPING PLAN

1. 4" HDPE LEACHATE INFLUENT LINE TO P.A.C.T. TREATMENT PLANT NO. 1, 2 & 3
2. 4" HDPE EFFLUENT FORCE MAIN LINE TO EQUALIZATION TANK
3. 1 1/2" EFFLUENT FORCE MAIN LINE TO FILTERS
4. 4" HDPE EFFLUENT LINE TO PERCOLATION PONDS
5. 4" PVC BACKWASH DRAIN LINE TO M.H.
6. 4" HDPE W.A.S. LINE TO AEROBIC DIGESTER
7. ~~4" D.I.P. AIR SUPPLY LINE TO AEROBIC DIGESTER~~
8. ~~1" G.S.P. AIR LINE TO FILTER~~
9. 3" PVC DECANT LINE TO PLANT DRAIN P.S. (SLOPE @ 1.75%)
10. 2" PVC NON POTABLE WATER LINE (TYP. TO ALL P.A.C.T. UNITS)
11. 3" PVC NON POTABLE WATER LINE
12. 4" PVC NON POTABLE WATER LINE
13. 3/4" PVC NON POTABLE WATER LINE TO CONTROL PANEL AREA
14. 3/4" PVC NON POTABLE WATER LINE TO FILTER
15. 1-1/4" PVC NON POTABLE WATER LINE TO SLUDGE DRYING BEDS

YARD PIPING

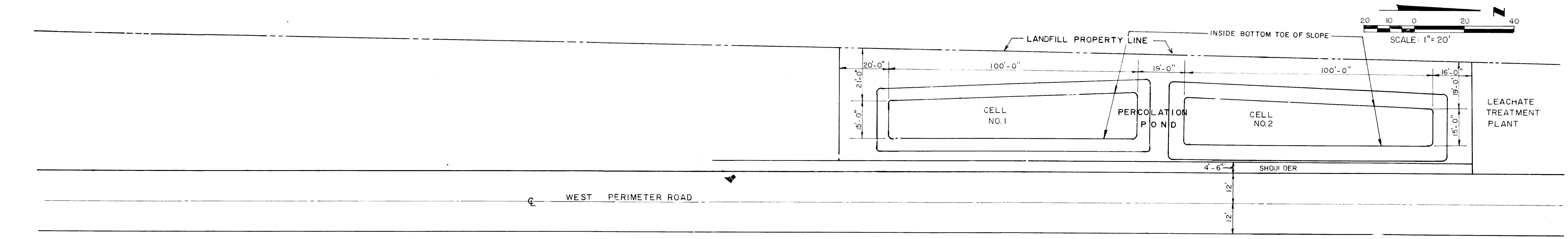
"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

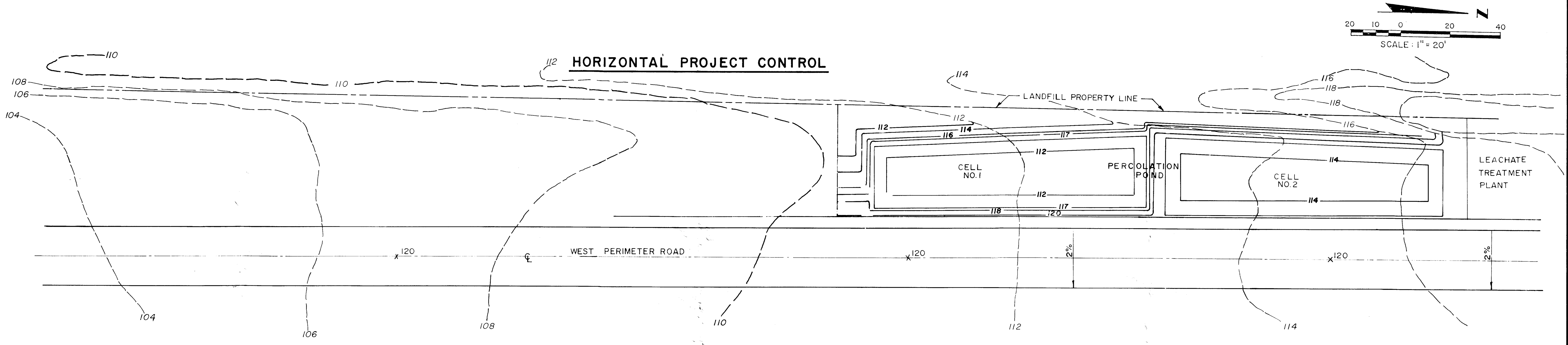
| CLIENT | PROJECT | TASK | | | |
|---|---|---|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | LEACHATE TREATMENT FACILITY LEACHATE TREATMENT PLANT SITE PLANS | ORIGINAL MARCH 1989 REVISIONS: RECORD DRAWINGS 7/23/90 | 6 7 8 9 10 11 12 | NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK |

JOB NO. 22-081.00
DRAWN R. Polly
DESIGNED
CHECKED
QC K.W.
SHEET 20/32

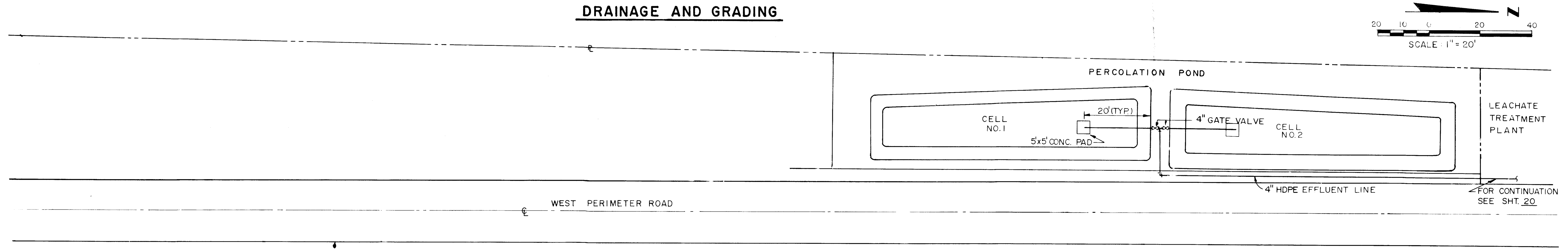
REPRO PRODUCTS INC. 2A




## HORIZONTAL PROJECT CONTROL




## DRAINAGE AND GRADING




NOTE:
1.) PERCOLATION POND - SOD TOP OF BANK AND OUTSIDE BANK WALLS, SEED AND MULCH REMAINING SITE.
2.) POND WALLS AND CELL BOTTOMS TO BE CONSTRUCTED WITH CLEAN SAND (NO CLAY MATERIAL).

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

## YARD PIPING

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA | CITRUS COUNTY | LEACHATE TREATMENT FACILITY |
| DEPARTMENT OF | CENTRAL SANITARY | PERCOLATION POND |
| TECHNICAL SERVICES | LANDFILL EXPANSION | SITE PLANS |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7/23/90
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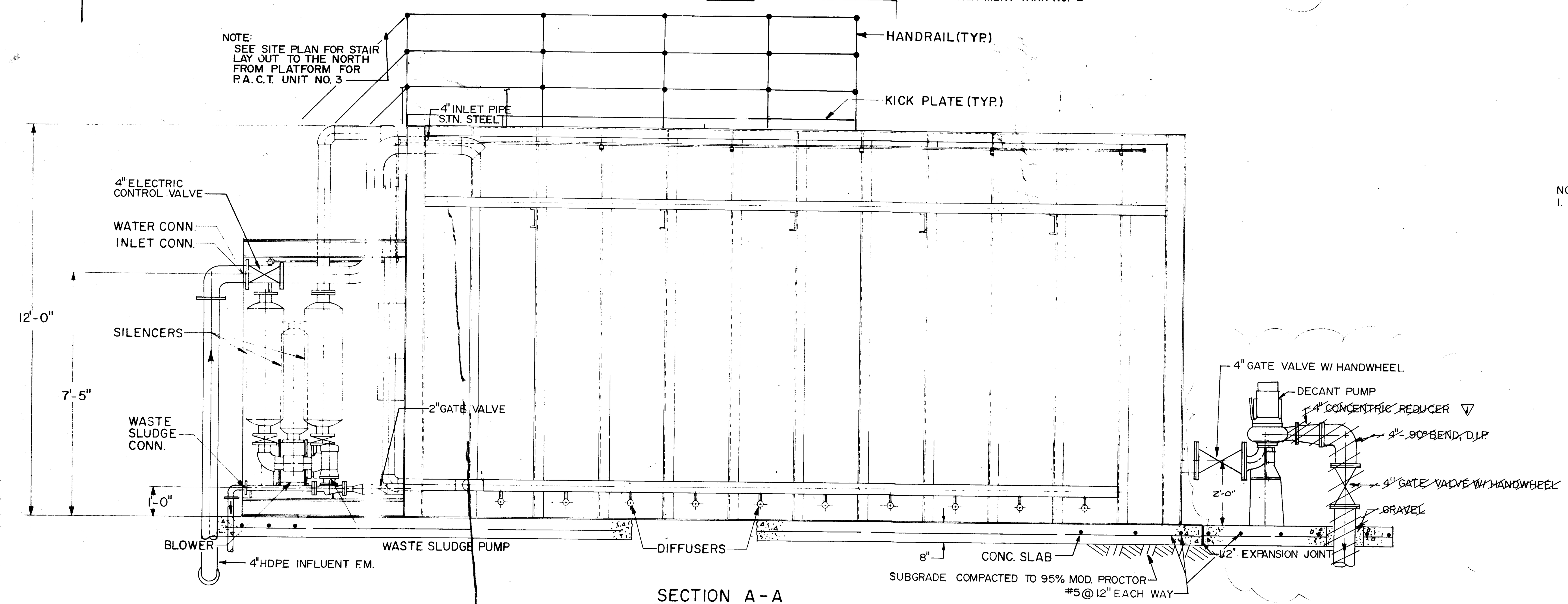
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN
DESIGNED
CHECKED
QC
SHEET 21/32

REPRO PRODUCTS INC.


NOTES:
1. PAC TREATMENT SYSTEMS NO. 1, NO. 2 AND NO. 3 ARE IDENTICAL.

## PUMP SPECIFICATIONS - DECANT PUMP

| | |
|---|---|
| PUMPS REQUIRED | 1 EACH (3 TOTAL) |
| MANUFACTURER & MODEL NO. | FLYGT CT 3085/82 |
| PUMP SIZE: | |
| CAPACITY (GPM) | 200 |
| TOTAL HEAD (FEET) | 12 |
| IMPELLER NO. | 438 |
| MOTOR REQUIREMENTS | 2.1 HP, 460 VOLTS, 3 PHASE |
| SPEED | 1750 RPM. |

## MIXER SPECIFICATION

| | |
|---|---|
| NUMBER | 1 EACH (3 TOTAL) |
| MANUF. | FLYGT |
| MODEL NO. | 4451 |
| MOTOR REQUIREMENTS | 10 HP, 460 VOLTS, 3 PHASE |

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CLIENT
CITRUS COUNTY, FLORIDA
DEPARTMENT OF
TECHNICAL SERVICES

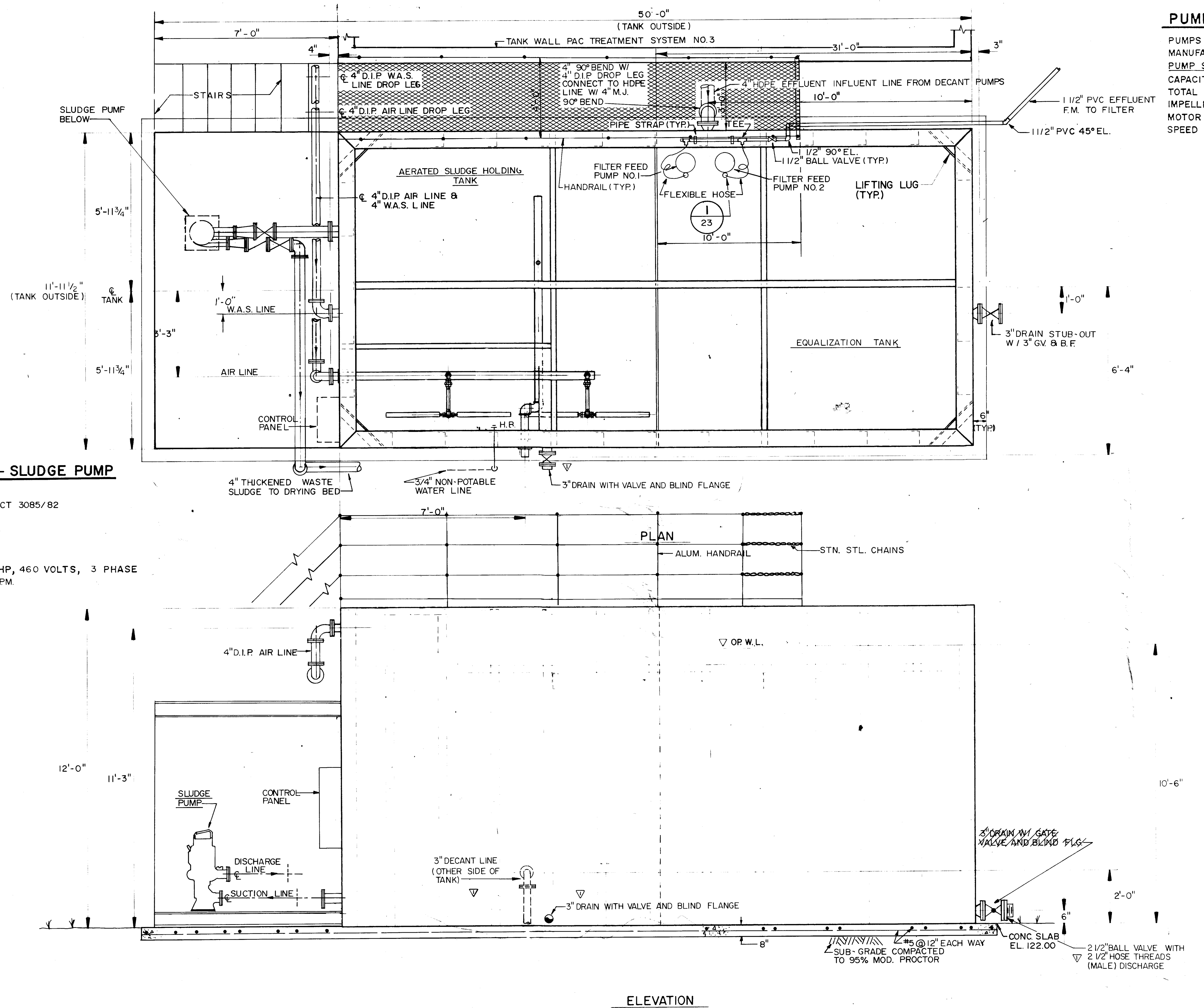
PROJECT
CITRUS COUNTY
CENTRAL SANITARY
LANDFILL EXPANSION

TASK
LEACHATE TREATMENT FACILITY
PAC TREATMENT SYSTEMS
NO. 1, NO. 2 AND NO. 3

ORIGINAL MARCH 1989
REVISIONS
RECORD DRAWINGS 7/23/90

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN D.M.H.
DESIGNED D.A.W.
CHECKED E.I.
CC
SHEET 22/32

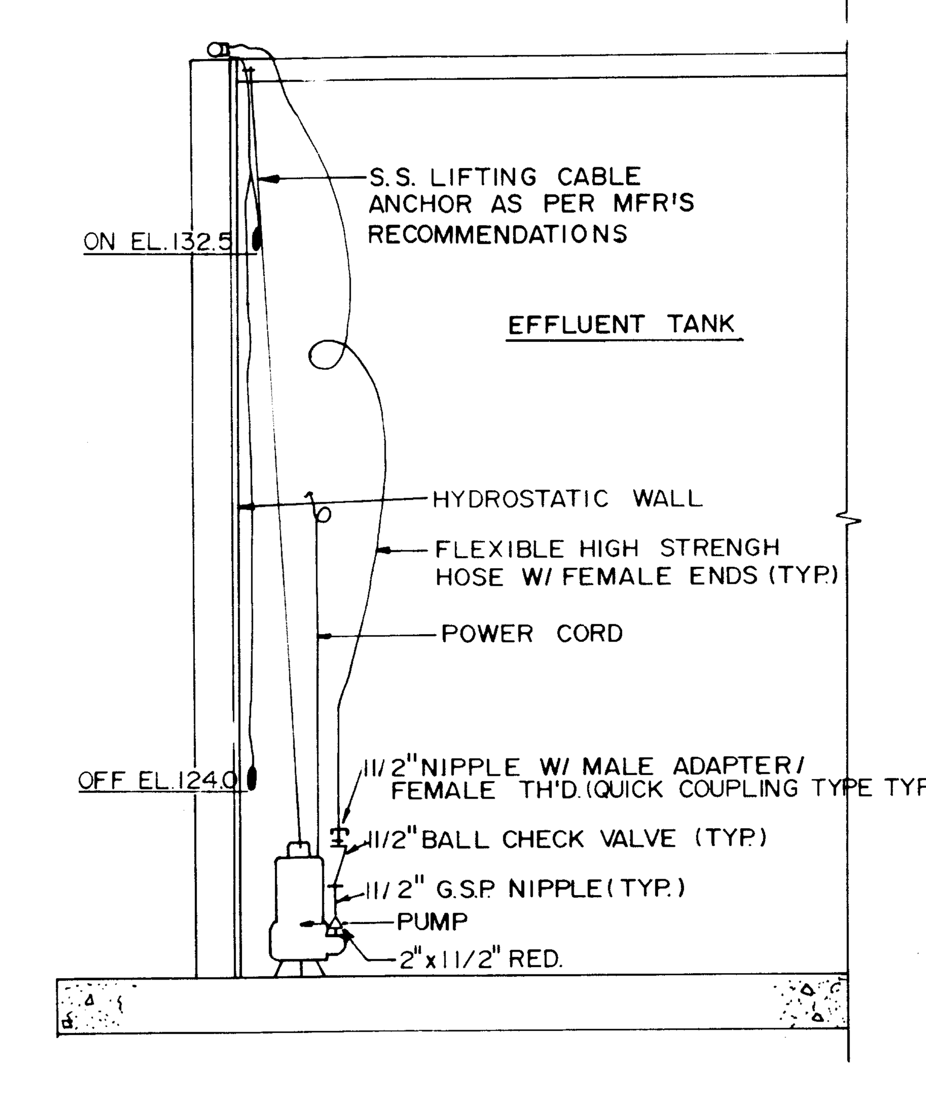



## PUMP SPECIFICATIONS - FILTER FEED PUMPS

| | |
|---|---|
| PUMPS REQUIRED | 2 |
| MANUFACTURER & MODEL NO. | GOULDS 3887 |
| PUMP SIZE: | |
| CAPACITY (GPM) | 30 |
| TOTAL HEAD (FEET) | 23 |
| IMPELLER NO. | WS0534B, BF |
| MOTOR REQUIREMENTS | 1/2 HP, 460 VOLTS, 3 PHASE |
| SPEED | 1750 R.P.M. |

## PUMP SPECIFICATIONS - SLUDGE PUMP

| | |
|---|---|
| PUMPS REQUIRED | 1 |
| MANUFACTURER & MODEL NO. | FLYGT CT 3085/82 |
| PUMP SIZE: | |
| CAPACITY (GPM) | 250 |
| TOTAL HEAD (FEET) | 19 |
| IMPELLER NO. | 438 |
| MOTOR REQUIREMENTS | 2.1 HP, 460 VOLTS, 3 PHASE |
| SPEED | 1750 RPM. |




"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

DETAIL 1/23
N.T.S.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | LEACHATE TREATMENT FACILITY PAC TREATMENT SYSTEM NO. 4 |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7/23/90
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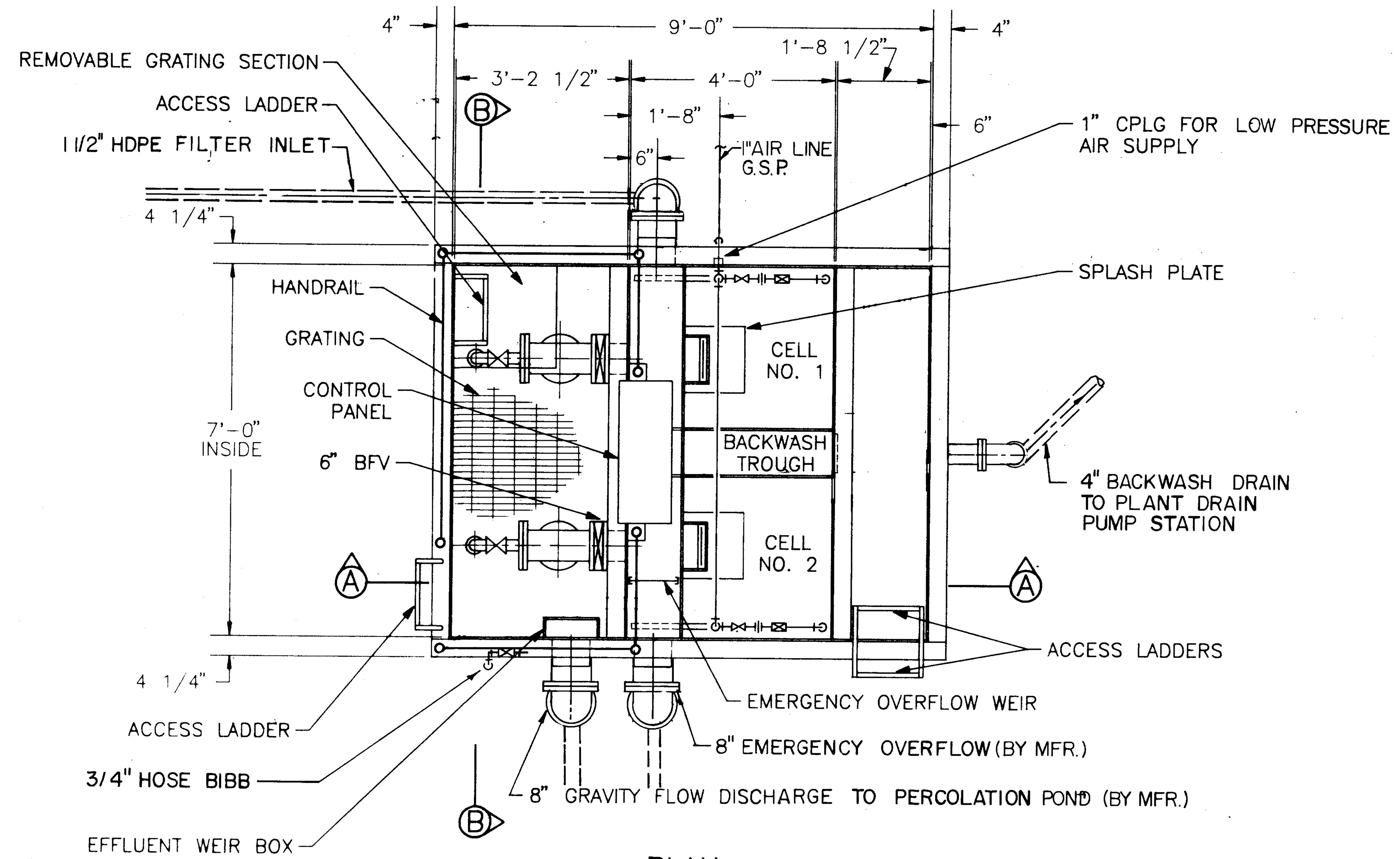
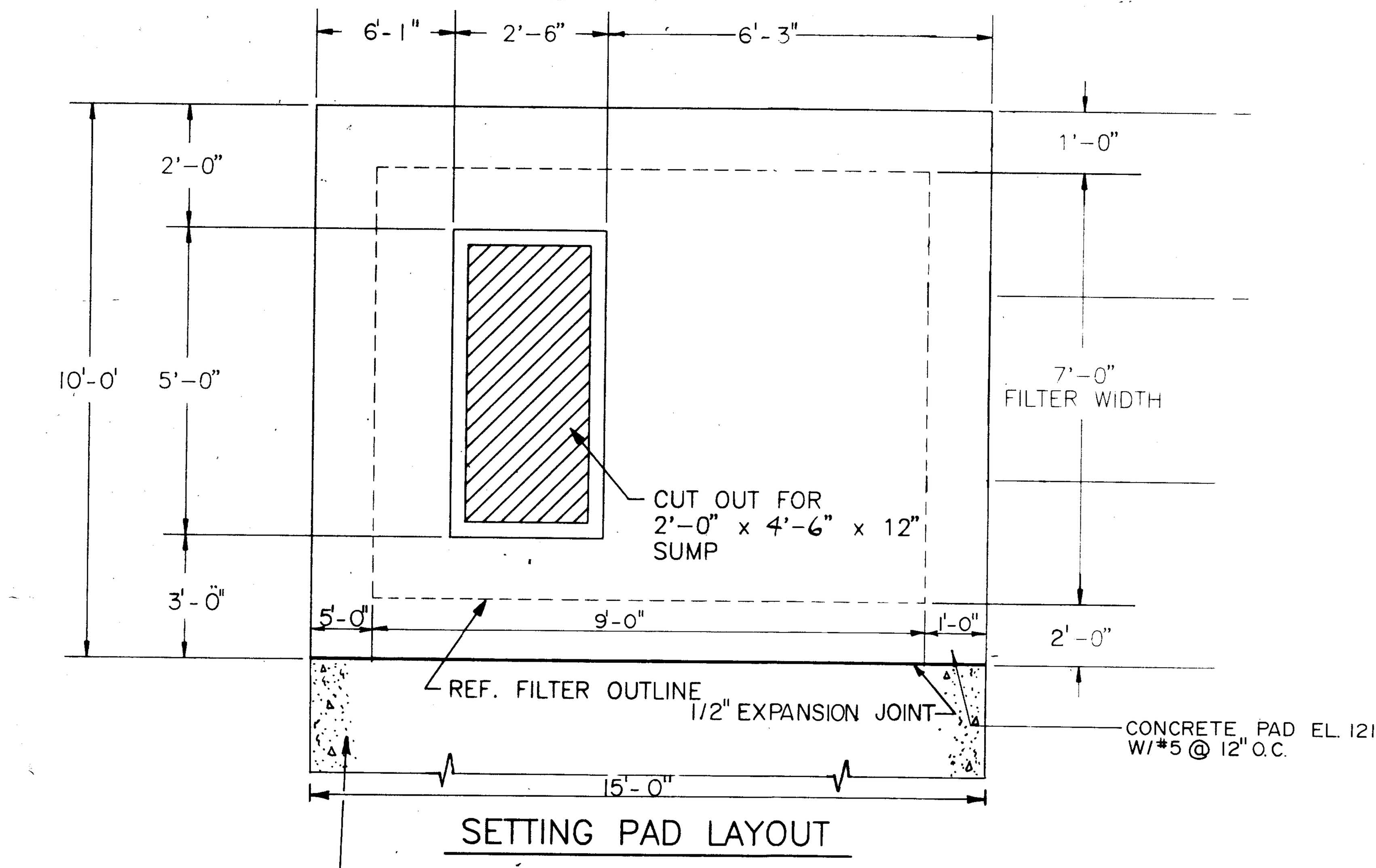
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN D.M.H.
DESIGNED D.A.W.
CHECKED D.A.W.
QC D.A.W.
SHEET 23/32

REPRO PRODUCTS INC. 2A

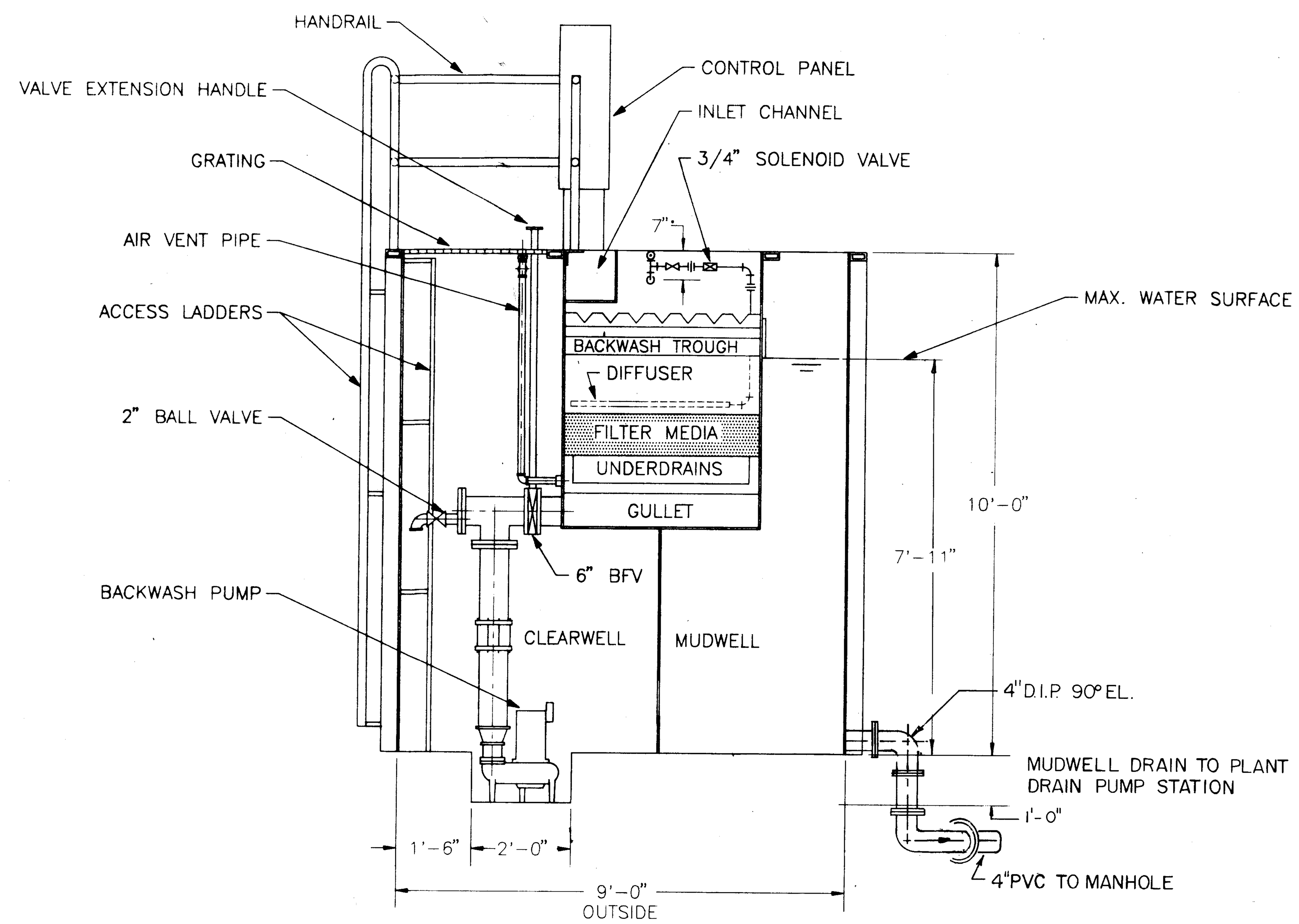



PLAN

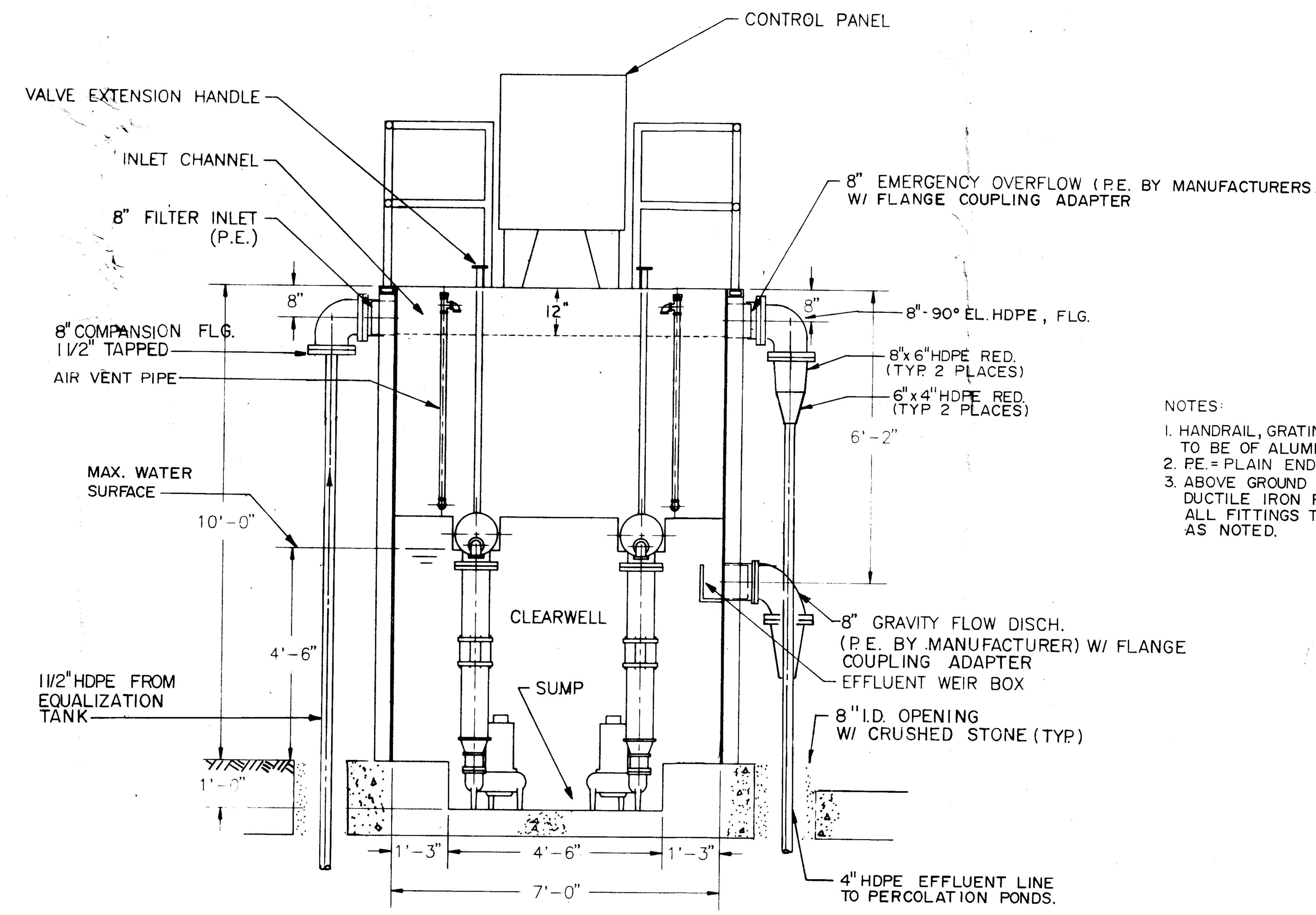



SETTING PAD LAYOUT

SEE SHT 28 FOR PLANT BLDG. AND CONC. SLAB




SECTION — A




SECTION — B

NOTE: ALLEN FILTER INSTALLED in LIEU of ZIMPRO FILTER

NOTES:
1. HANDRAIL, GRATING AND ACCESS LADDERS TO BE OF ALUMINUM CONSTRUCTION.
2. P.E. = PLAIN END PIPE SECTION
3. ABOVE GROUND PIPING TO BE DUCTILE IRON PIPE, BELOW GROUND, ALL FITTINGS TO BE D.I.P. OR HDPE AS NOTED.

SEE APPROVED SHOP DRAWINGS ON TERTIARY FILTER PROVIDED BY ALLEN'S ENVIRONMENTAL EQUIPMENT, INC. FOR REVISIONS TO THE DRAWING. ▽

"RECORD DRAWINGS"
INCORPORATING THESE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | LEACHATE TREATMENT FACILITY TERTIARY FILTER PLAN AND ELEVATIONS |

ORIGINAL MARCH 1989
REVISIONS:
1 ▽ RECORD DRAWINGS 7-29-90
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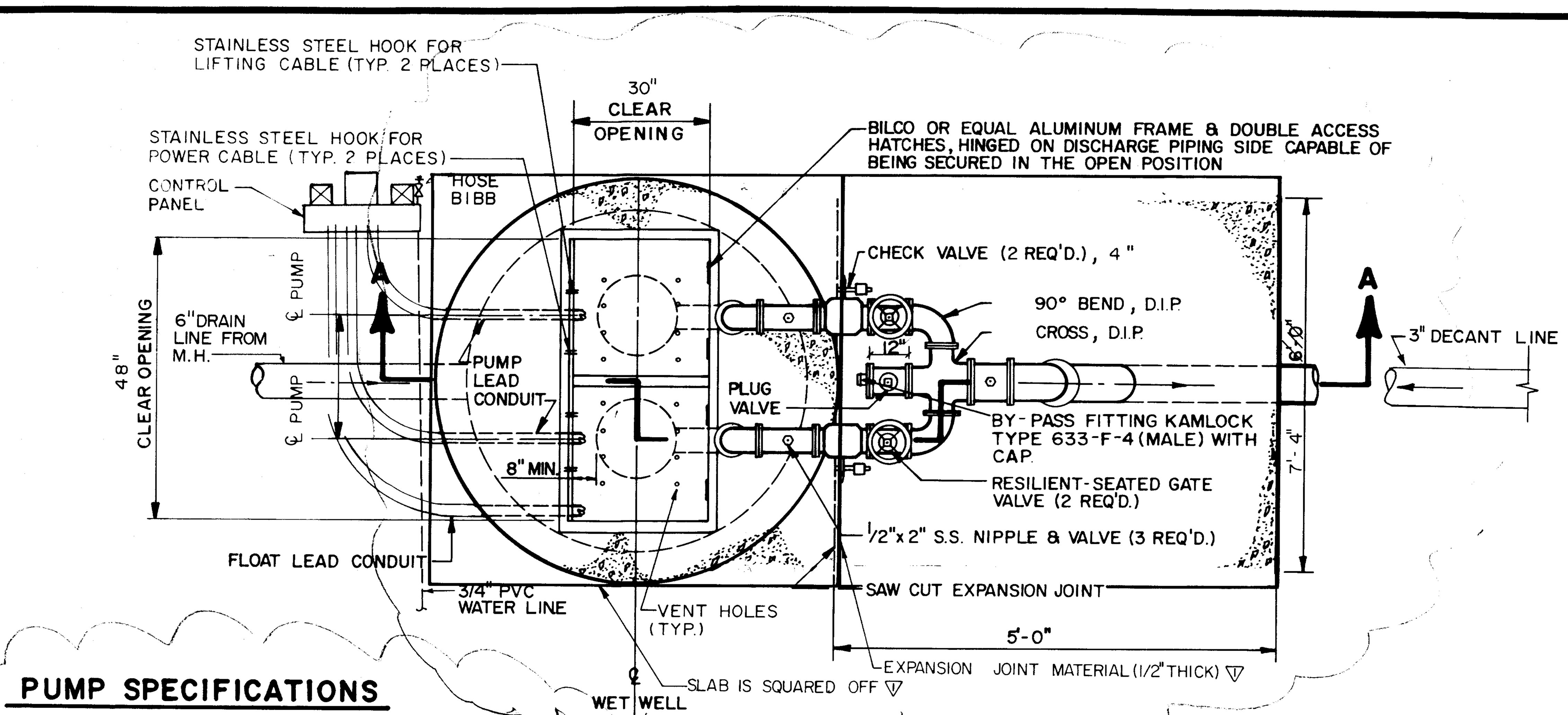
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN
DESIGNED
CHECKED
QC
SHEET 24/32

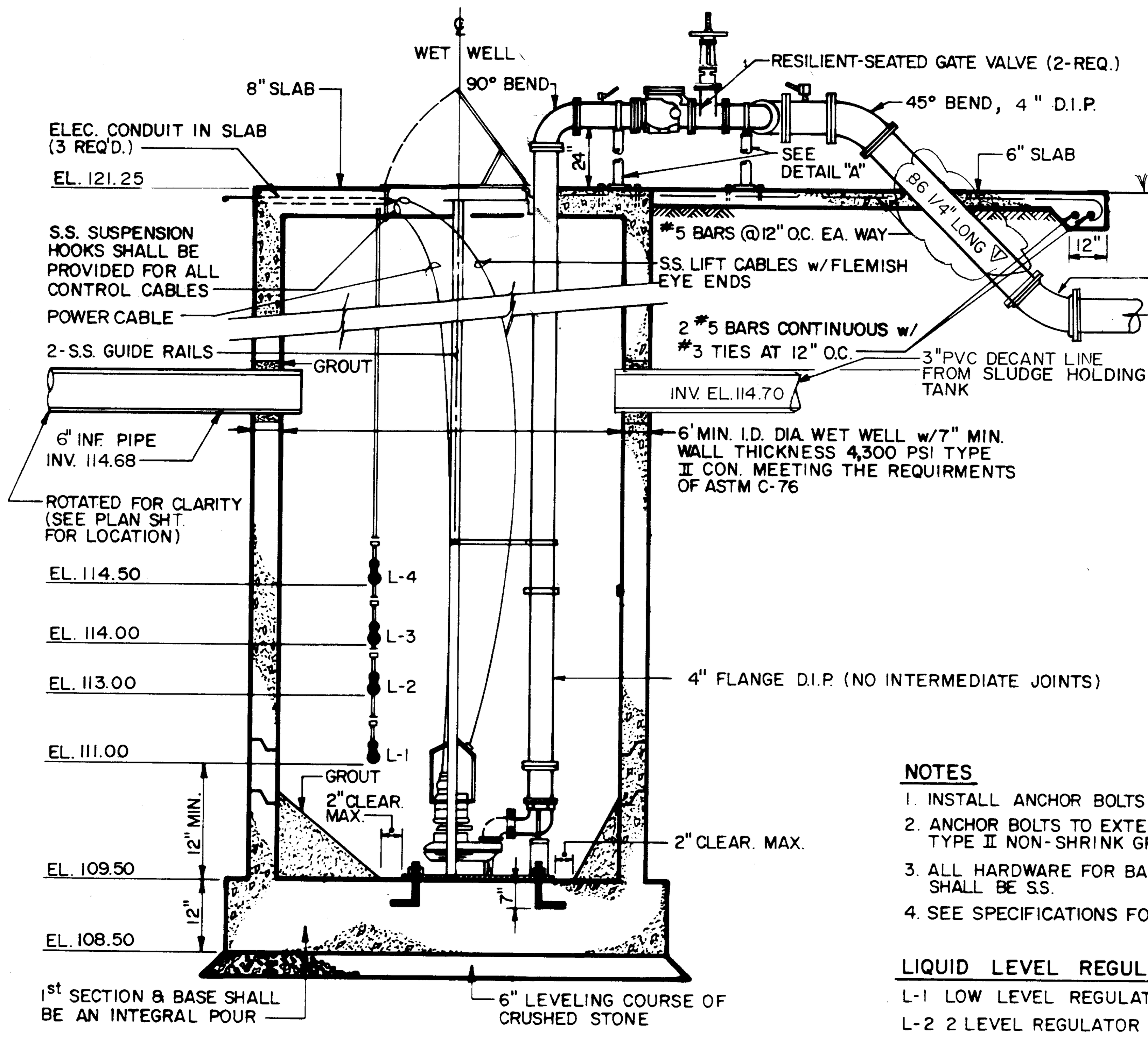
REPRO PRODUCTS INC. 2A




## PUMP SPECIFICATIONS

| | |
|---|---|
| PUMPS REQUIRED | 2 |
| MANUFACTURER & MODEL NO. | ~~FLYGT, CP-3102~~ 80-200/24.1(160), KSB |
| PUMP SIZE: | |
| CAPACITY (GPM) | 100 |
| TOTAL HEAD (FEET) | 47 |
| IMPELLER NO. | ~~436~~ 160 |
| MOTOR REQUIREMENTS | 4.5 ~~5~~ HP, ~~460~~ 480 VOLTS, 3 PHASE |
| SPEED (RPM) | ~~1700~~ 1750 |

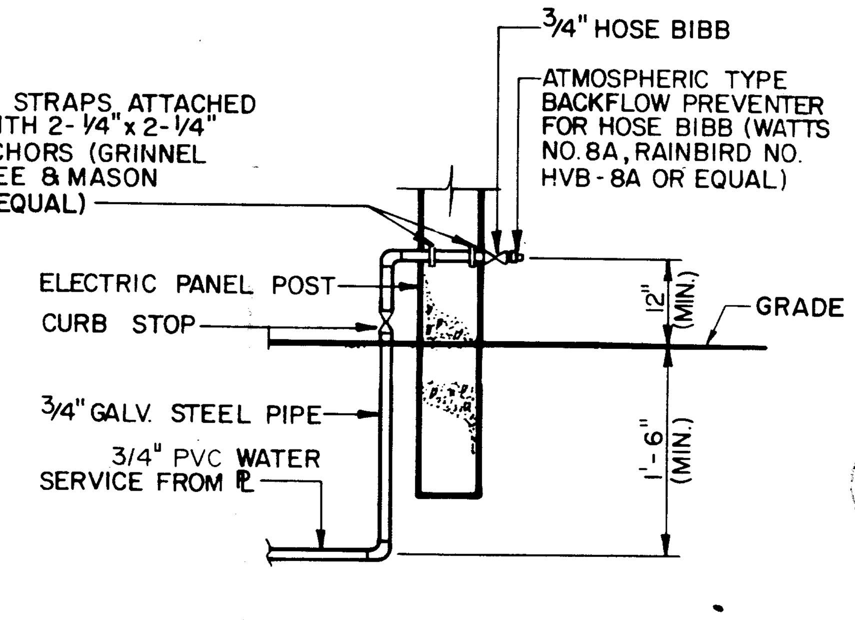
## PLAN
N.T.S.



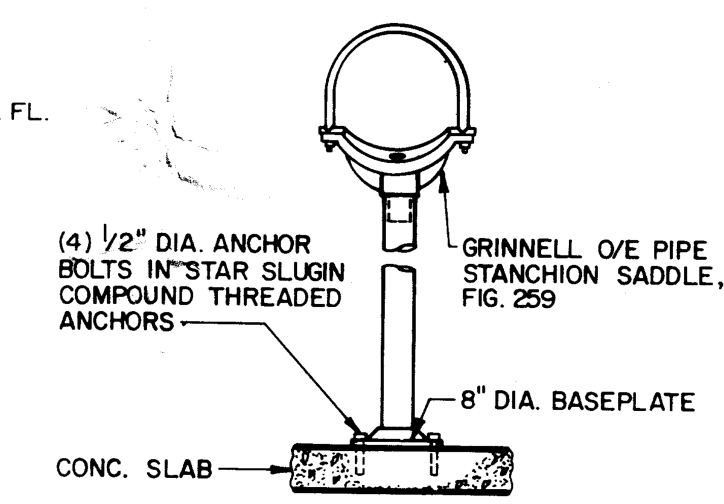

## SECTION A-A
N.T.S.

NOTES
1. INSTALL ANCHOR BOLTS BEFORE GROUT IS POURED.
2. ANCHOR BOLTS TO EXTEND INTO BASE 7" & SET w/ TYPE II NON-SHRINK GROUT.
3. ALL HARDWARE FOR BASE PLATE HATCH COVER SHALL BE SS.
4. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.

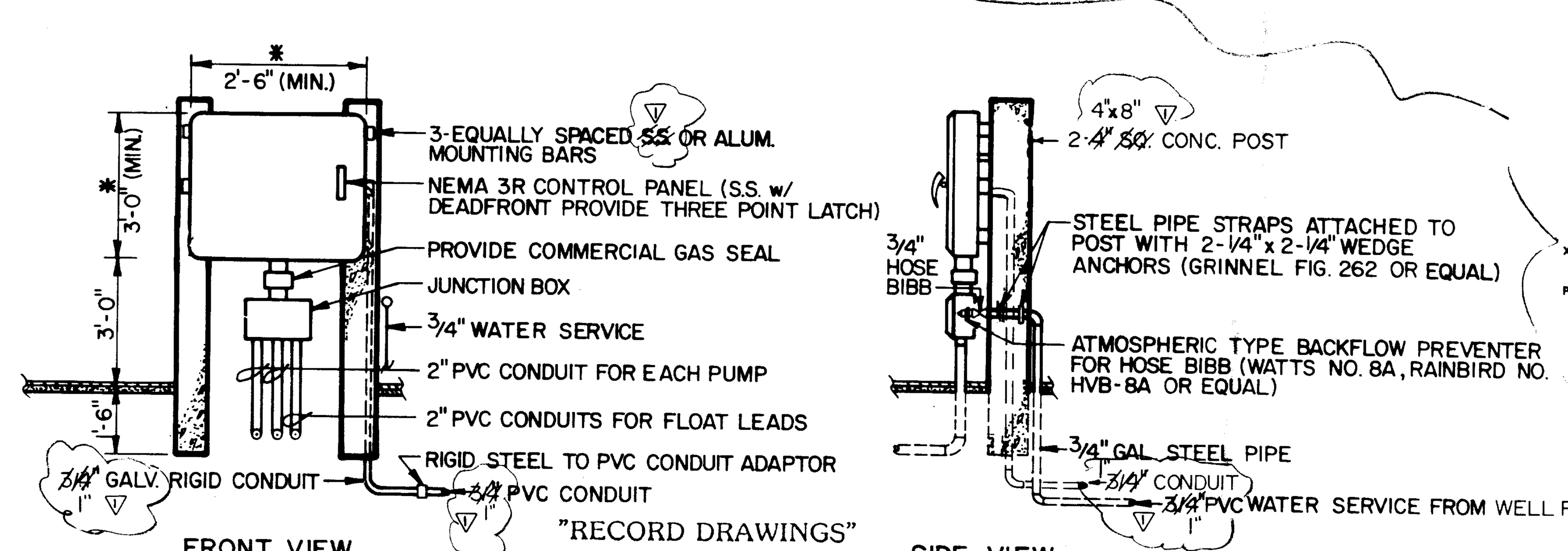
LIQUID LEVEL REGULATORS
- L-1 LOW LEVEL REGULATOR BOTH PUMPS OFF
- L-2 2 LEVEL REGULATOR LEAD PUMP STARTS
- L-3 3rd LEVEL REGULATOR BOTH PUMPS ON (LAG PUMP STARTS)
- L-4 4th LEVEL REGULATOR HIGH LEVEL ALARM ON



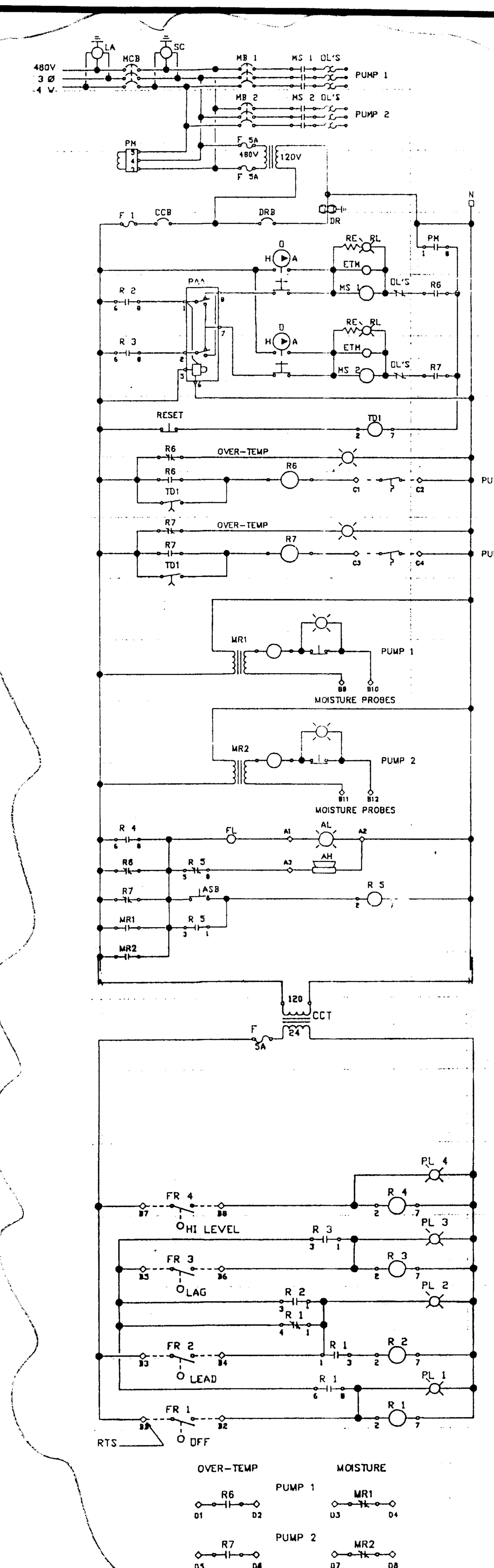

## WATER SERVICE RISER
N.T.S.

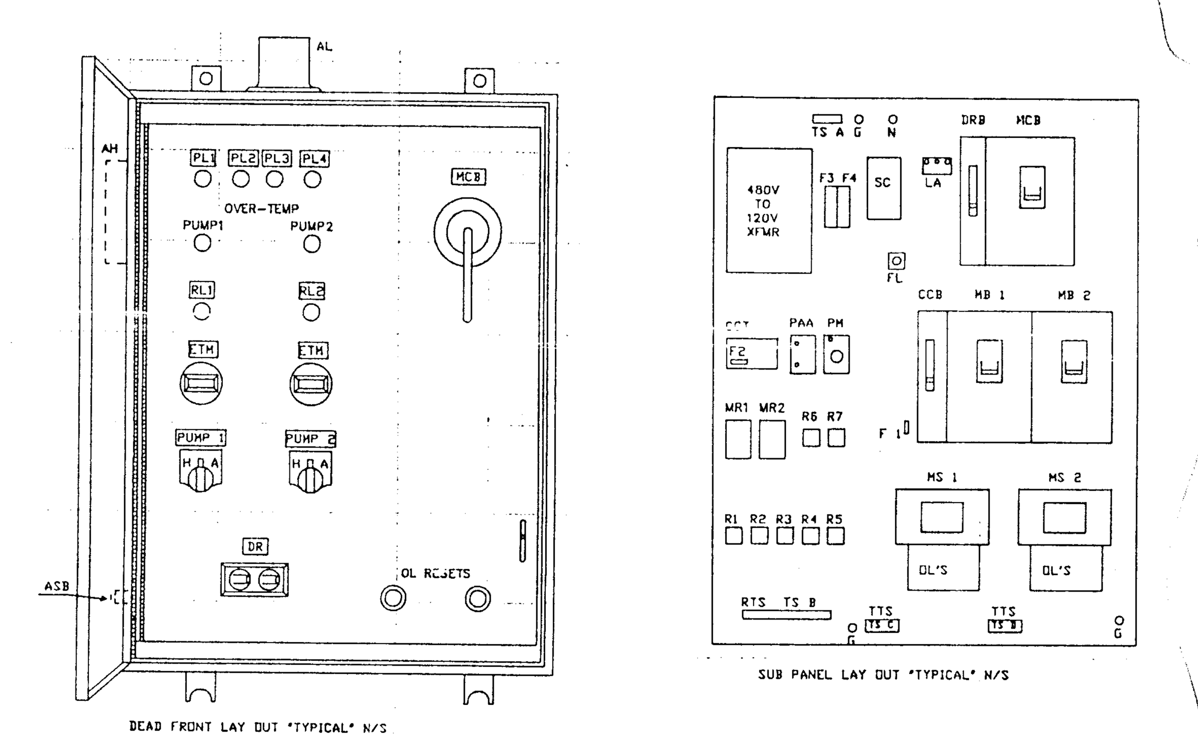


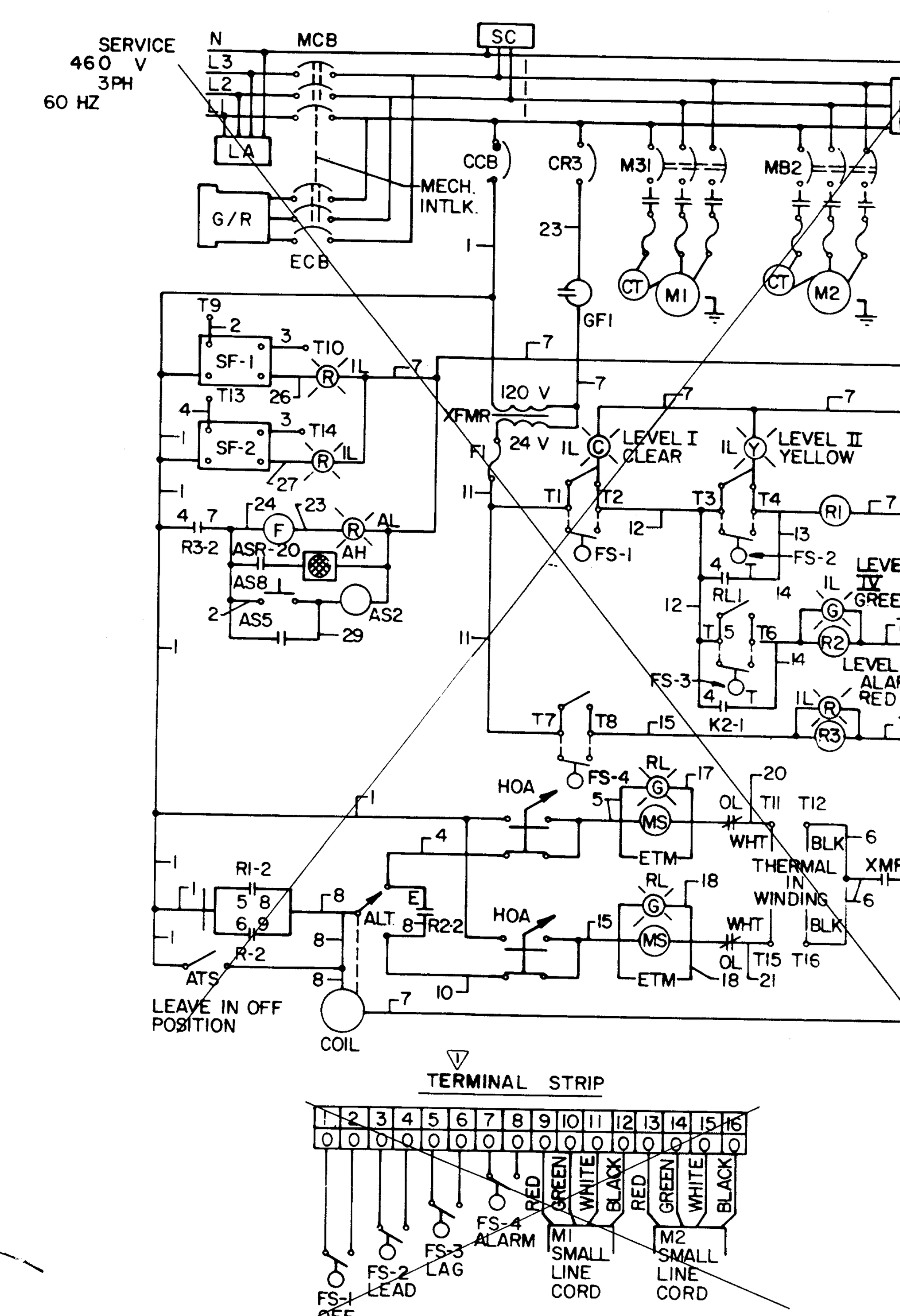

## PIPE SUPPORT DETAIL "A"
N.T.S.

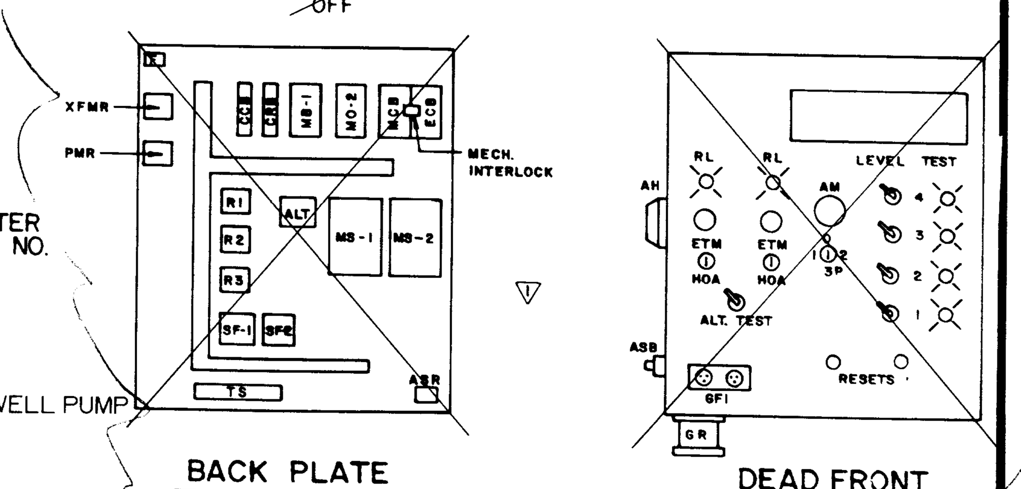



"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.




## CONTROL PANEL
N.T.S.

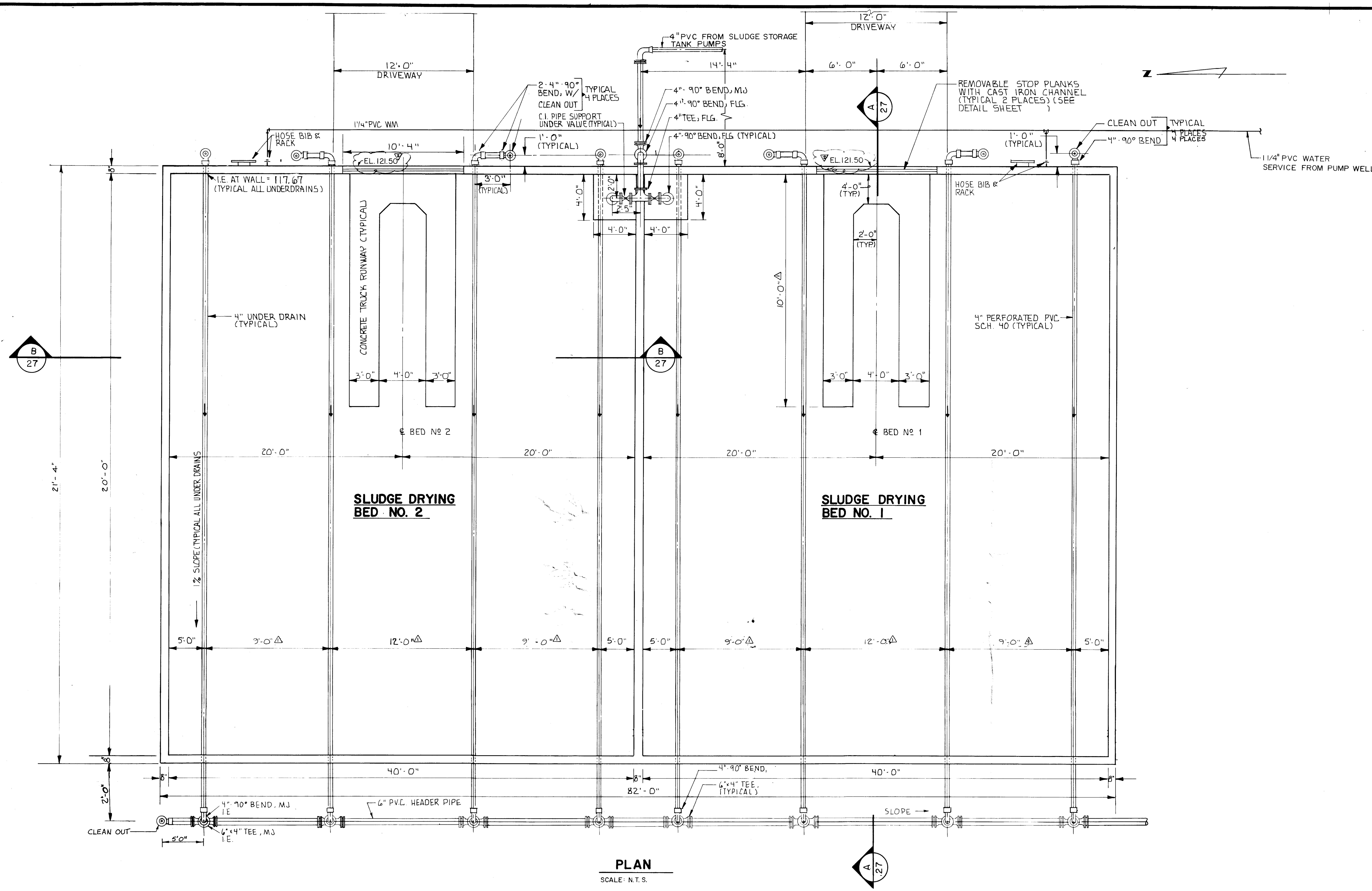
| | | | | |
|---|---|---|---|---|
| PBS&J POST, BUCKLEY, SCHUH & JERNIGAN, INC. | CLIENT: CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | PROJECT: CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | TASK: LEACHATE TREATMENT FACILITY PLANT DRAIN PUMP STATION | ORIGINAL MARCH 1989 |

REVISIONS:
1. RECORD DRAWING 7/23/90

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN
DESIGNED
CHECKED DAW
QC

SHEET 25/32




## PLAN

SCALE: N.T.S.

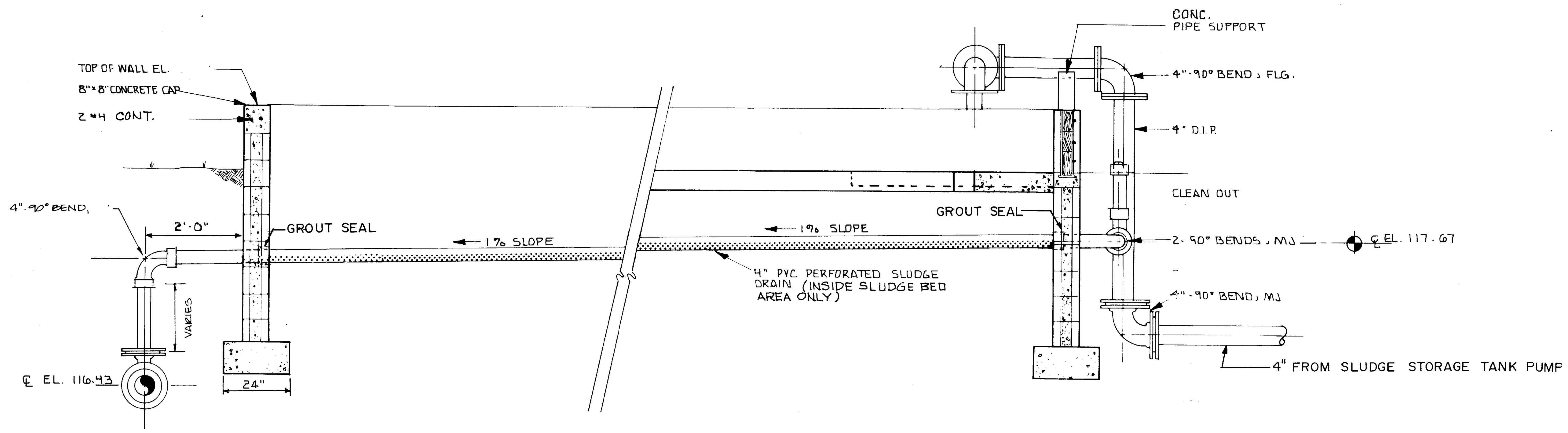
"RECORD DRAWINGS"

INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

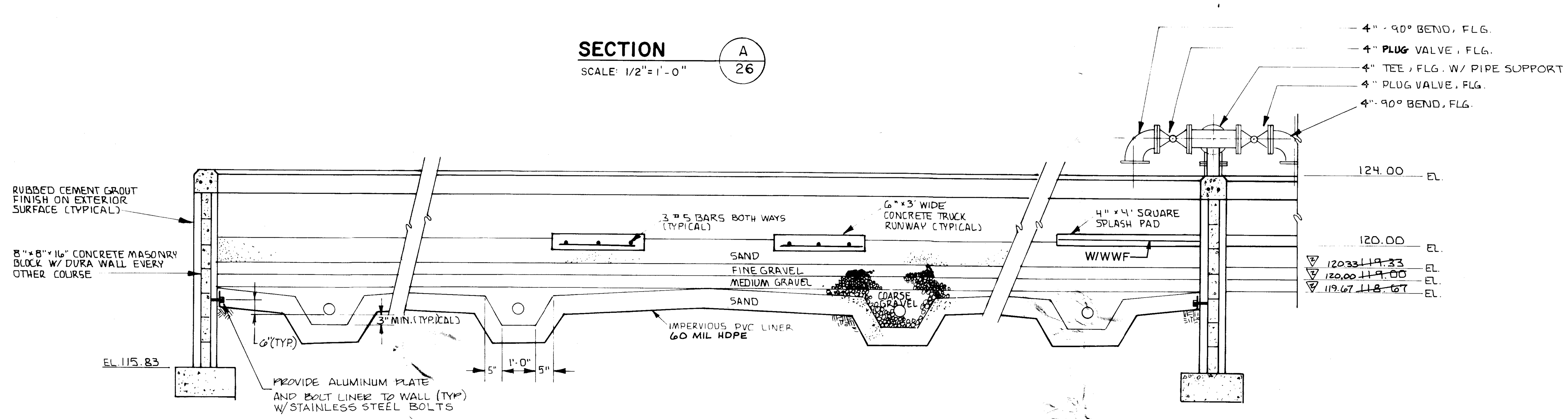
| | | | | | | |
|---|---|---|---|---|---|---|
| PBS&J POST, BUCKLEY, SCHUH & JERNIGAN, INC. | CLIENT: CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | PROJECT: CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | TASK: LEACHATE TREATMENT FACILITY SLUDGE DRYING BEDS | ORIGINAL MARCH 1989<br>REVISIONS:<br>1 REV. DIM. 10/24/89<br>2 RECORD DRAWINGS 7/23/90<br>3<br>4<br>5 | 6<br>7<br>8<br>9<br>10<br>11<br>12 | NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK |

JOB NO. 22-081.00
DRAWN R. Stratton
DESIGNED JAV
CHECKED JAV
QC DAW

SHEET 26/32




**SECTION** (A/26)
SCALE: 1/2"=1'-0"




**SECTION** (B/26)
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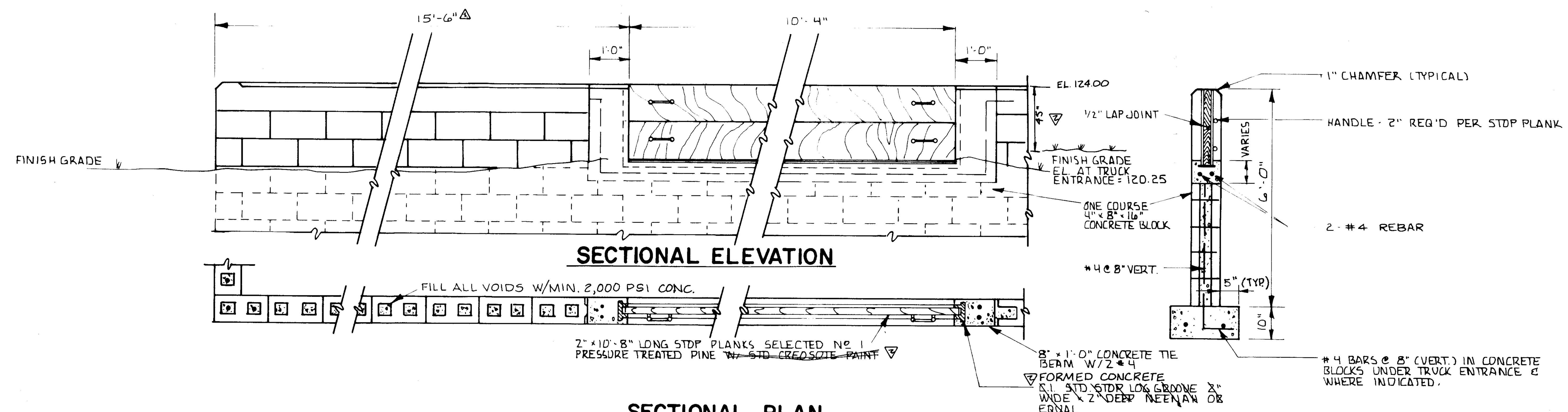



**SECTIONAL ELEVATION**

**SECTIONAL PLAN**
SCALE N.T.S.

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBS&J
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

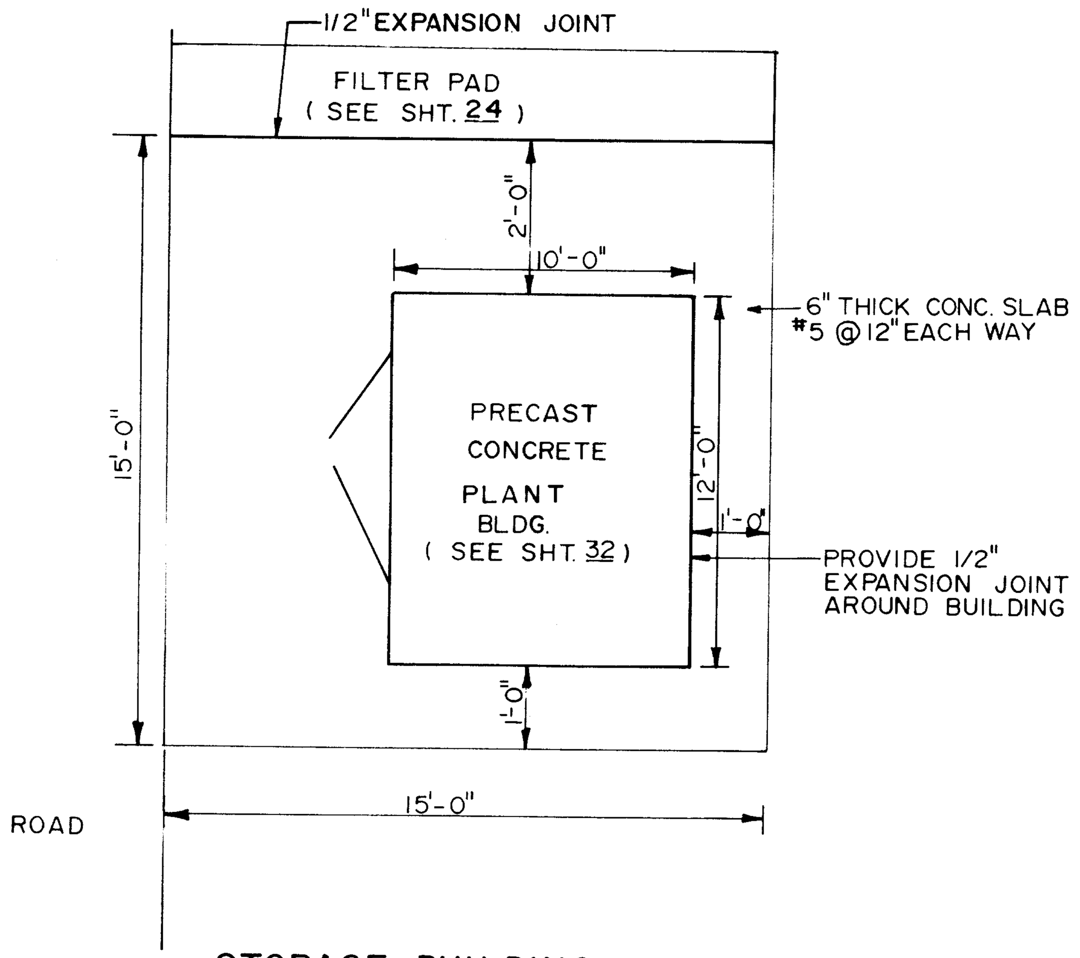
| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA<br>DEPARTMENT OF<br>TECHNICAL SERVICES | CITRUS COUNTY<br>CENTRAL SANITARY<br>LANDFILL EXPANSION | LEACHATE TREATMENT FACILITY<br>SLUDGE DRYING BED - SECTIONS |

ORIGINAL MARCH 1989
REVISIONS:
1. REV. DIM. 10/24/89
2. RECORD DRAWINGS 7/23/90

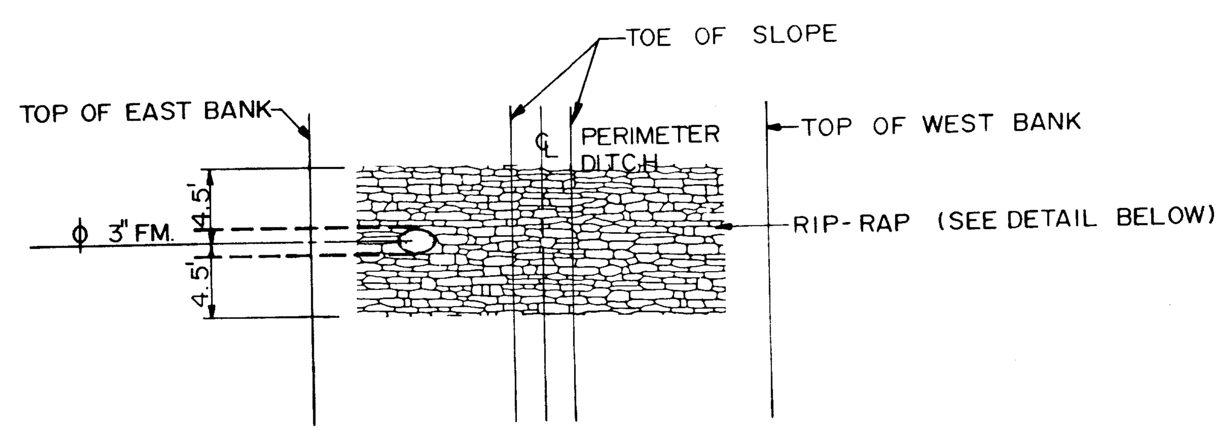
NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN K. Stratton
DESIGNED JAV
CHECKED JAV
QC DAW
SHEET 27/32

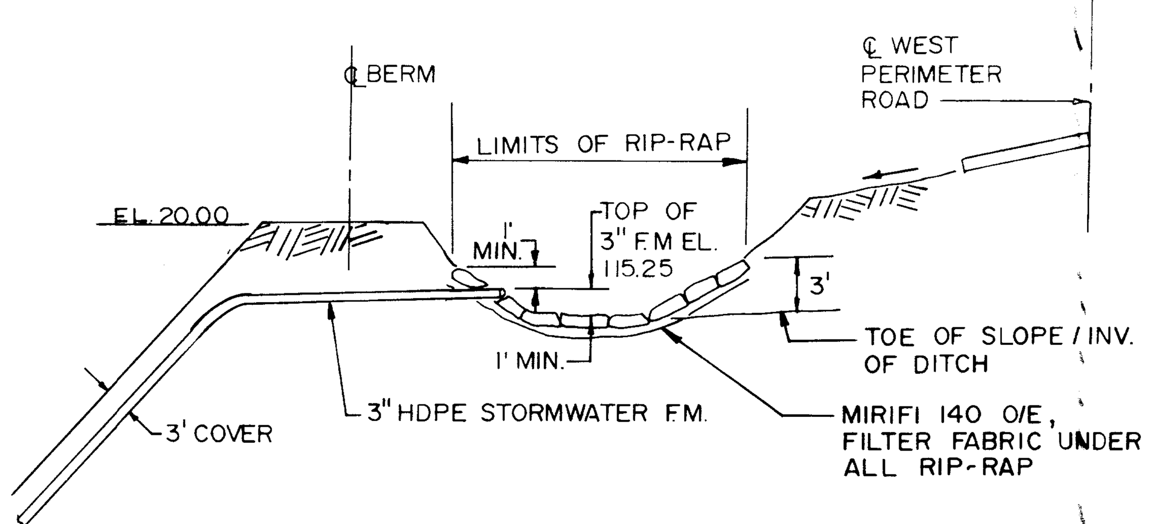
REPRO PRODUCTS INC




STORAGE BUILDING
N.T.S.

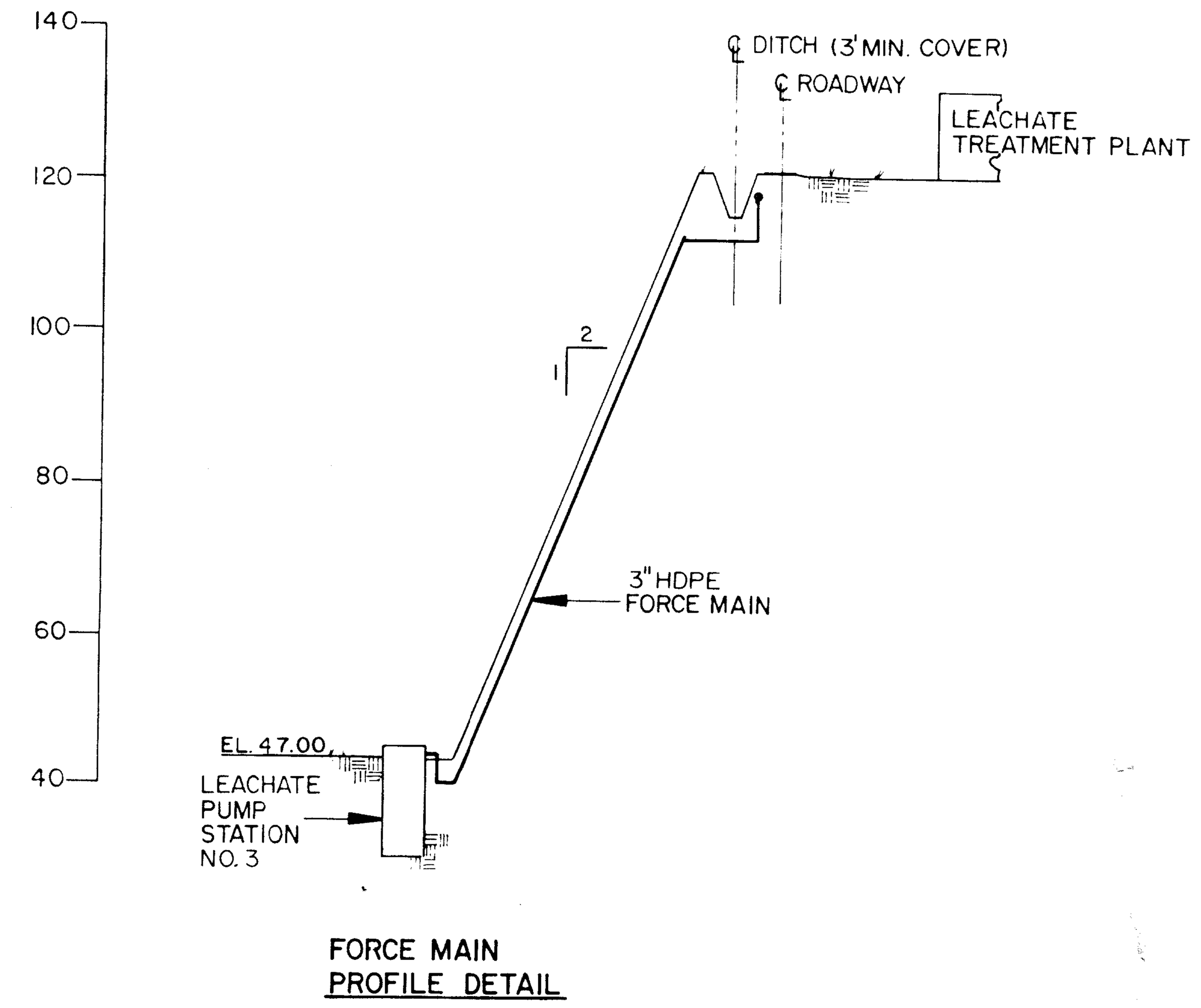



PLAN

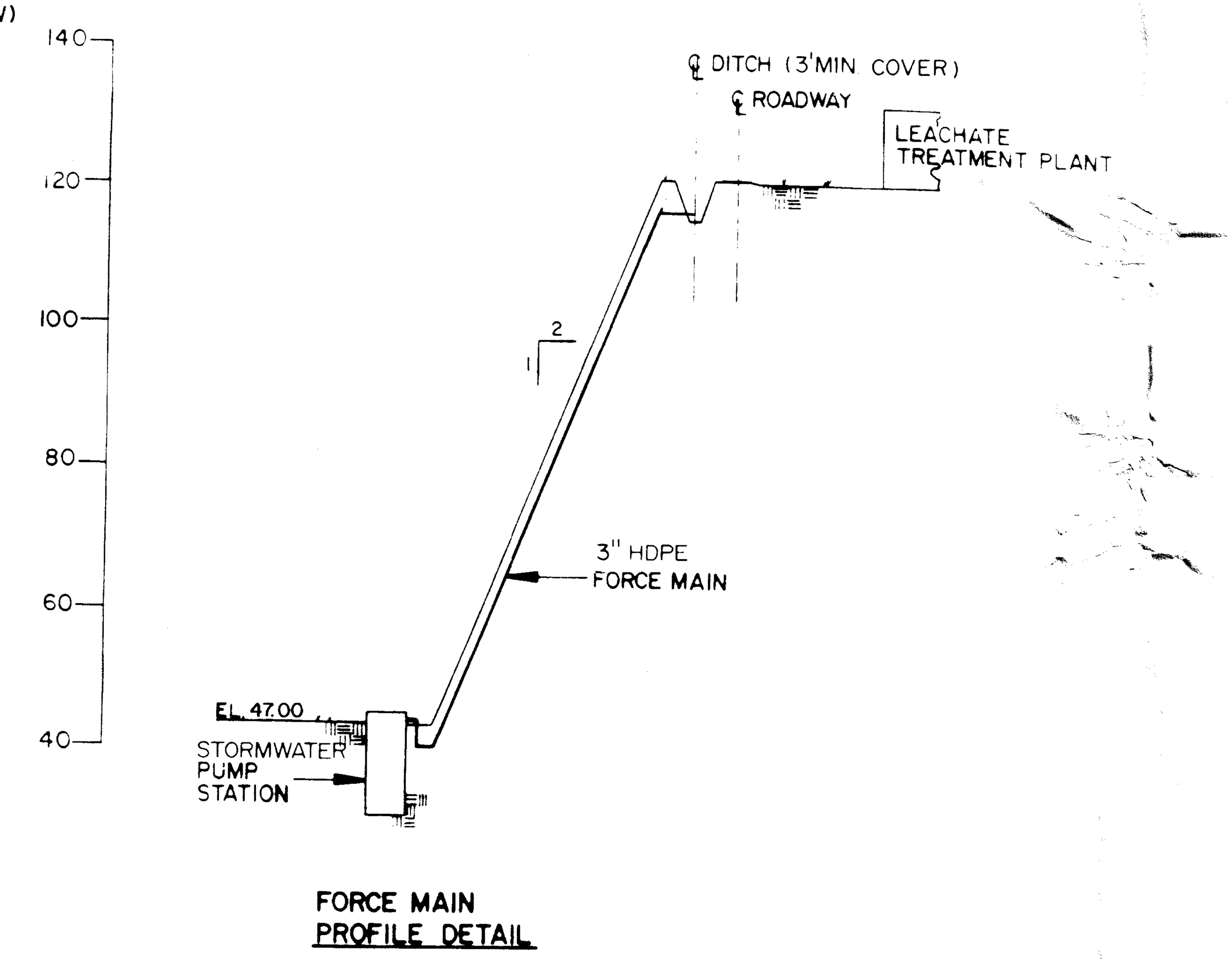



PROFILE

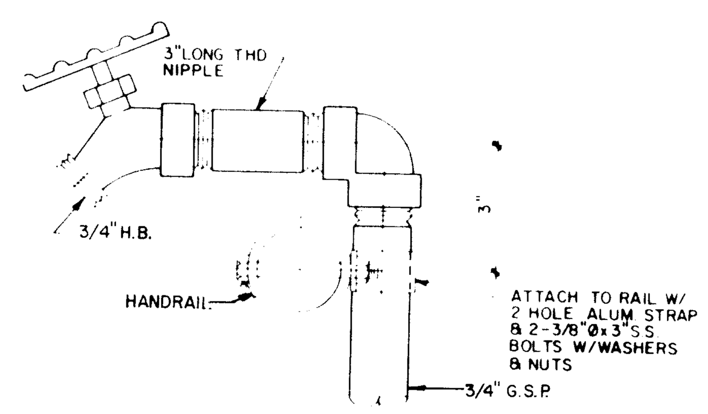
STORMWATER DISCHARGE DETAIL
N.T.S.



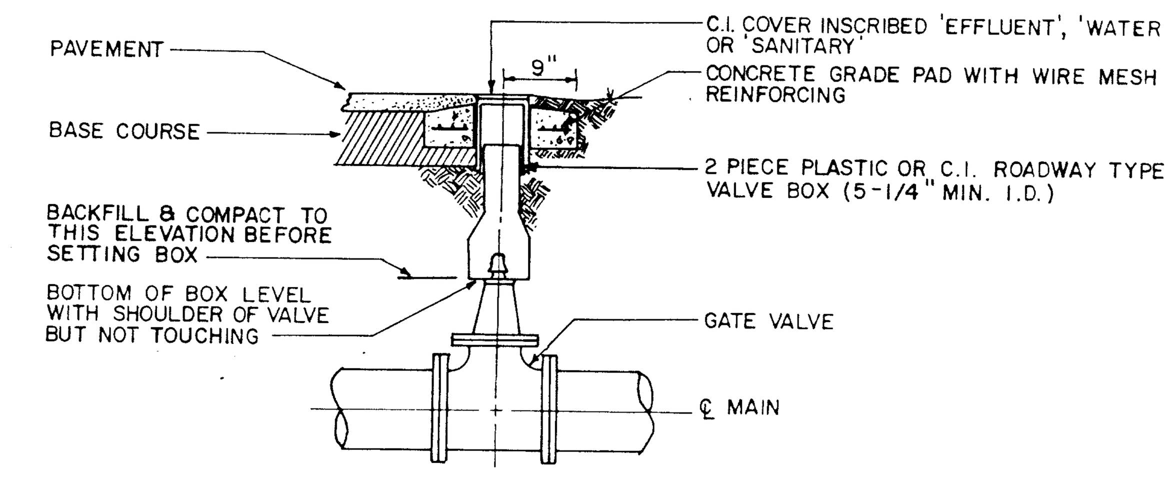

LEACHATE PUMP STATION
N.T.S.



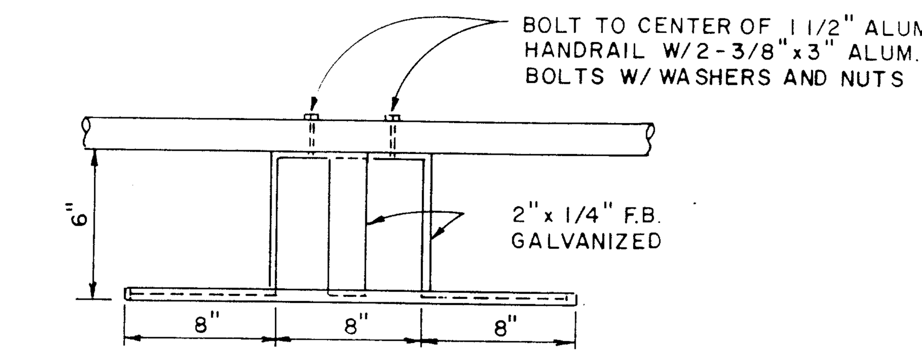

STORMWATER PUMP STATION
N.T.S.



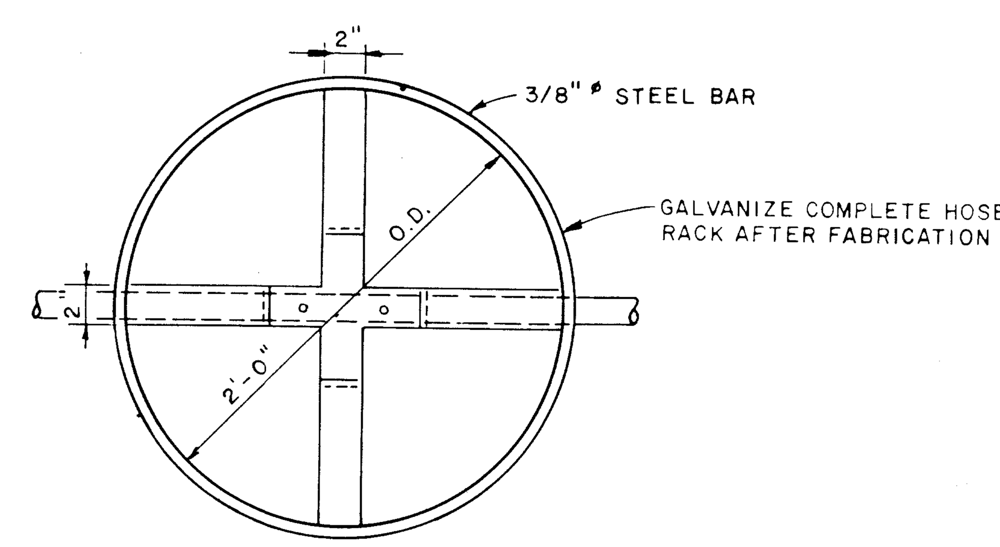

HOSE BIBB DETAIL
N.T.S.




GATE VALVE AND BOX
NTS

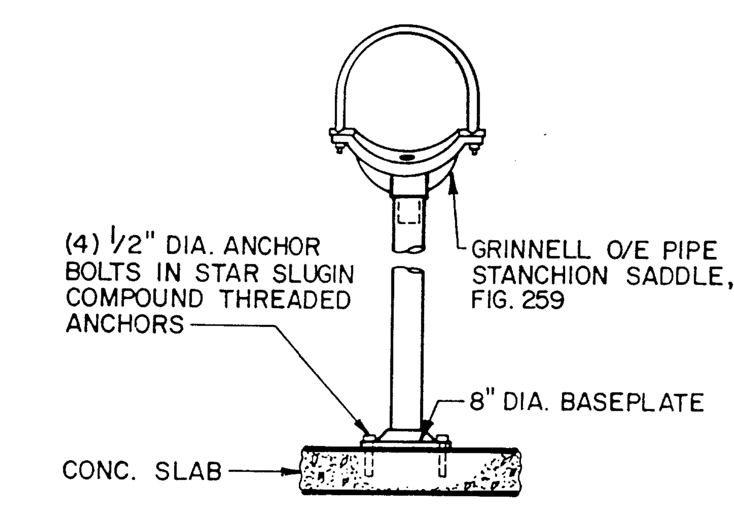



PLAN

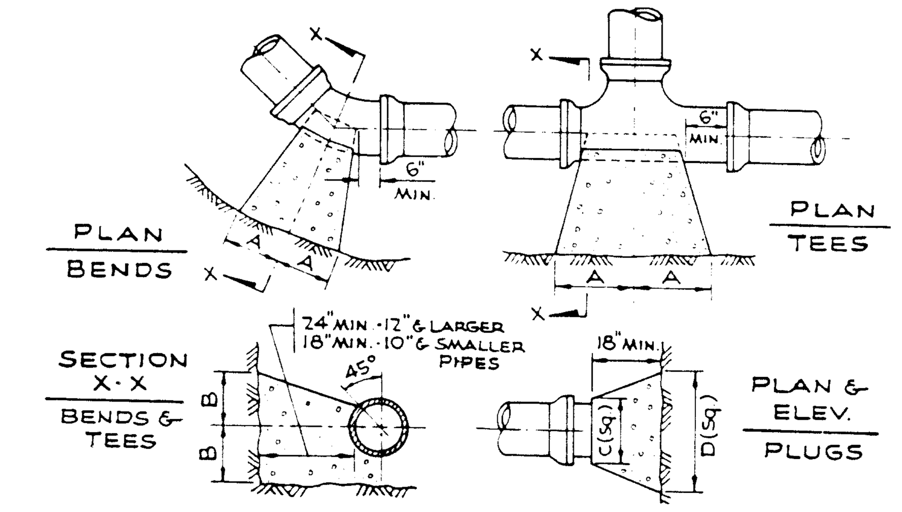



ELEVATION

HOSE RACK
NTS

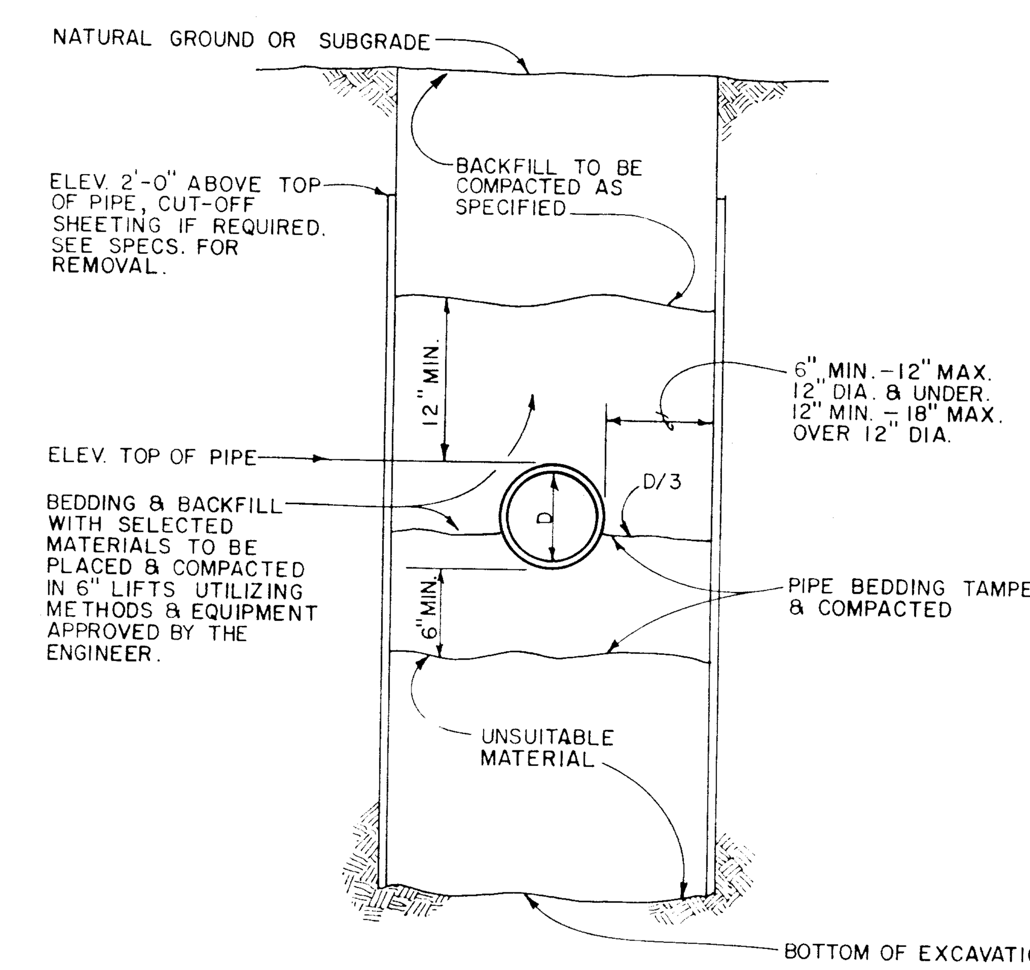



PIPE SUPPORT DETAIL
NTS




| SOIL | SIZE | 1/4 BEND | | 1/8 BEND | | 1/16 BEND | | TEE | | PLUG | |
|---|---|---|---|---|---|---|---|---|---|---|---|
| | | A | B | A | B | A | B | A | B | C | D |
| 4000 PSF | 6" | 8" | 10" | 6" | 8" | 3" | 8" | 8" | 8" | 10" | 15" |
| | 8" | 12" | 12" | 8" | 10" | 5" | 9" | 9" | 12" | 12" | 20" |
| | 10" | 16" | 14" | 10" | 12" | 6" | 10" | 11" | 14" | 14" | 25" |
| | 12" | 19" | 16" | 12" | 14" | 8" | 11" | 14" | 16" | 16" | 30" |
| | 14" | 23" | 18" | 14" | 16" | 10" | 12" | 16" | 18" | 18" | 34" |
| | 16" | 26" | 20" | 16" | 18" | 11" | 13" | 18" | 20" | 20" | 38" |
| 2000 PSF | 6" | 16" | 10" | 9" | 10" | 6" | 8" | 10" | 12" | 10" | 21" |
| | 8" | 22" | 13" | 12" | 13" | 8" | 10" | 13" | 16" | 12" | 29" |
| | 10" | 26" | 17" | 14" | 17" | 10" | 13" | 16" | 20" | 14" | 36" |
| | 12" | 29" | 21" | 16" | 21" | 11" | 16" | 18" | 24" | 16" | 41" |
| | 14" | 35" | 24" | 19" | 24" | 12" | 20" | 22" | 27" | 18" | 48" |
| | 16" | 38" | 27" | 21" | 27" | 12" | 24" | 24" | 30" | 20" | 54" |

TYPICAL THRUST BLOCKS FOR WATER MAINS
NTS




NOTES:

1. FOR TRENCHES IN PAVED AREAS OR AREAS TO RECEIVE NEW PAVEMENT, SEE PAVEMENT SPECIFICATIONS, THIS SHEET.
2. WHERE BACKFILL IS PLACED BELOW WATER LEVEL IN THE TRENCH, THE BACKFILL MATERIAL SHALL BE CAREFULLY AND UNIFORMLY RAMMED AROUND BOTH SIDES OF THE PIPE TO PROPERLY BED AND SUPPORT THE PIPE. NO SPECIFIC DENSITY REQUIRED UNTIL THE FILL HAS REACHED A LEVEL 12 INCHES ABOVE WATER TABLE AT WHICH ELEVATION AND ABOVE, ALL BACKFILL SHALL BE COMPACTED AS SPECIFIED.

TYPICAL TRENCH SECTION
NTS

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.

PBSJ
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | LEACHATE TREATMENT FACILITY MISCELLANEOUS DETAILS |

ORIGINAL MARCH 1989
REVISIONS:
1 RECORD DRAWING 7/23/90
2
3
4
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12

NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK

JOB NO. 22-081.00
DRAWN WF
DESIGNED DW
CHECKED DAW
QC K.W.
SHEET 28/32

REPRO PRODUCTS INC. 2A

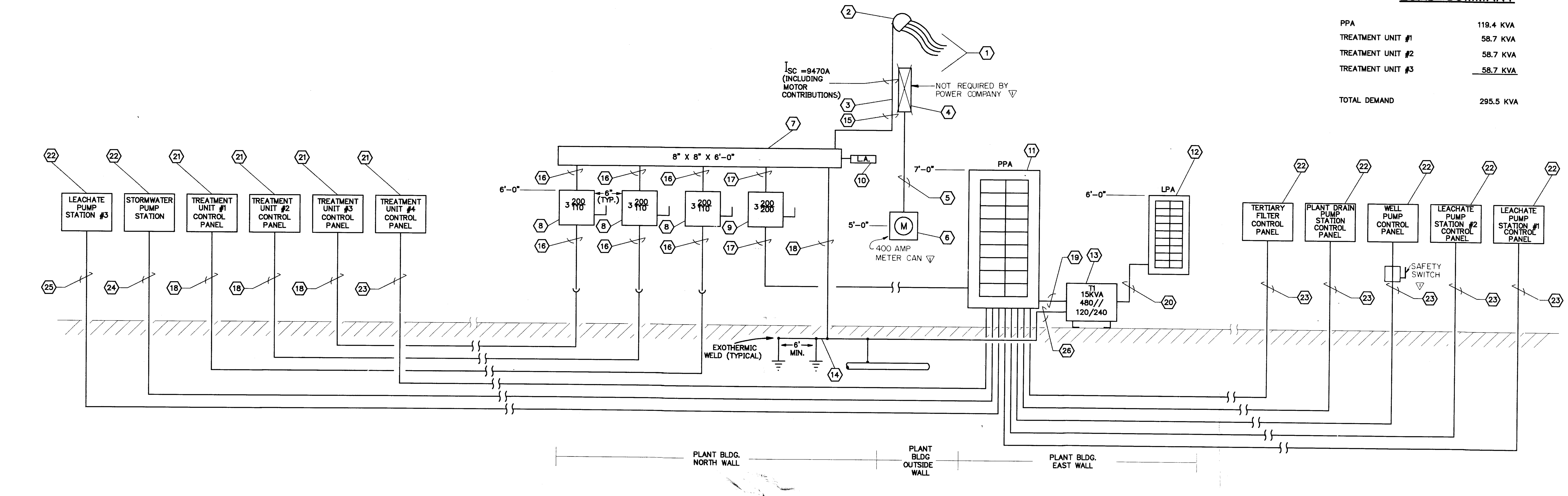

PBSJ
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

| CLIENT | PROJECT | TASK | | | |
|---|---|---|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | ELECTRICAL SITE PLANS | ORIGINAL MARCH 1989<br>REVISIONS:<br>1 RECORD DRAWINGS 7/23/90<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 | NOT VALID FOR CONSTRUCTION UNLESS SIGNED IN THIS BLOCK | JOB NO. 22-081.00<br>DRAWN CADE<br>DESIGNED E.H.<br>CHECKED D.A.W.<br>QC D.A.W.<br>SHEET 29/32 |

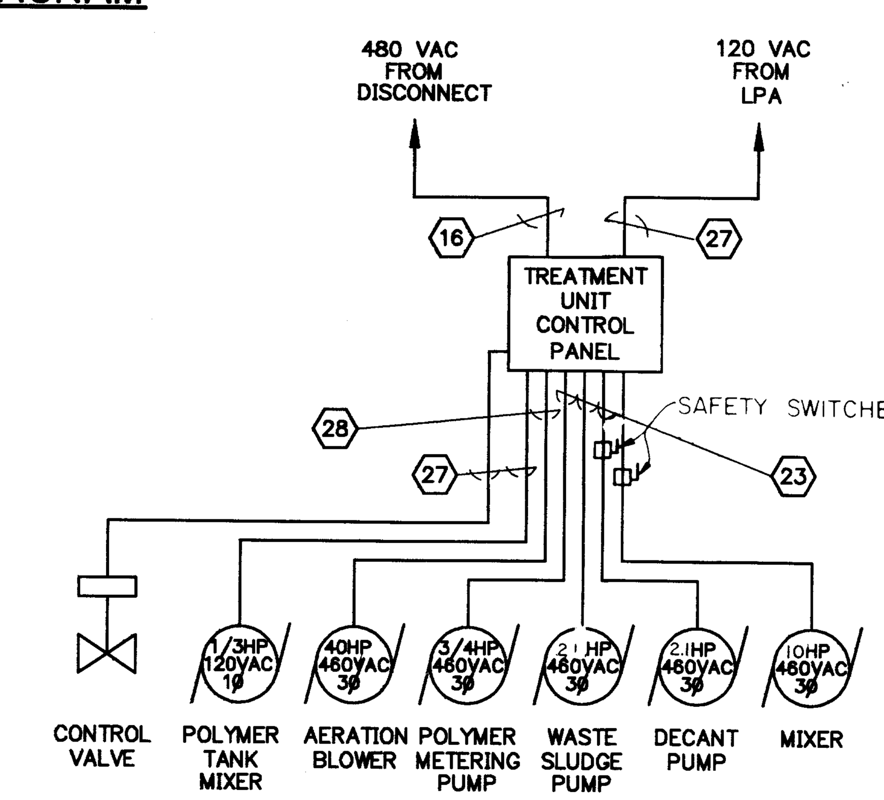
REPRO PRODUCTS INC. 2A

## LOAD SUMMARY

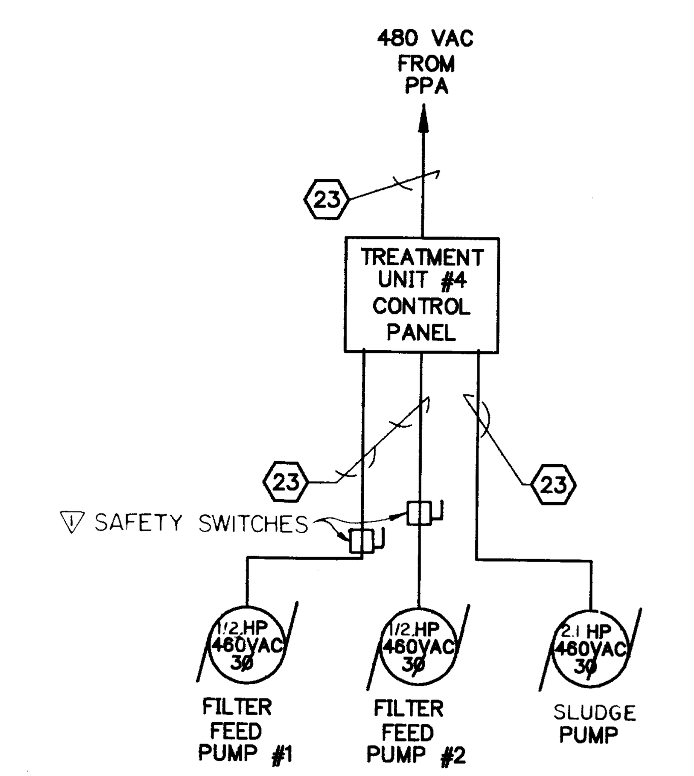
| | |
|---|---|
| PPA | 119.4 KVA |
| TREATMENT UNIT #1 | 58.7 KVA |
| TREATMENT UNIT #2 | 58.7 KVA |
| TREATMENT UNIT #3 | 58.7 KVA |
| TOTAL DEMAND | 295.5 KVA |




## ELECTRICAL RISER DIAGRAM
NOT TO SCALE




TREATMENT UNIT ELECTRICAL RISER DIAGRAM
TYPICAL OF TREATMENT UNITS 1,2 & 3




TREATMENT UNIT #4 ELECTRICAL RISER DIAGRAM

## KEYED NOTES

1. INCOMING 277/480 VAC ELECTRICAL SERVICE FROM FLORIDA POWER CORP. PROVIDE 4'-0" CONDUCTOR LENGTH OUT OF WEATHERHEAD. NEUTRAL SHALL BE CLEARLY MARKED W/ WHITE TAPE. COORDINATE W/ FLORIDA POWER CORP.
2. THREADED ENTRANCE HEAD FOR RIGID ~~4"~~ 3 1/2" CONDUIT, RACO CAT. NO. 2316. DRIP LOOP HEIGHT SHALL NOT BE LESS THAN 12'-0" ABOVE GRADE. COORDINATE W/ FLORIDA POWER CORP.
3. SECURE CONDUIT TO OUTSIDE OF BLDG. WALL W/ PIPE STRAPS, MUST WITHSTAND 200 LBS. OF CONTINUOUS HORIZONTAL PULL AT TOP OF ENTRANCE HEAD.
4. ~~AERIAL C.T. BOX SUPPLIED BY FLORIDA POWER & INSTALLED BY ELECTRICAL CONTRACTOR.~~
5. 1" RIGID CONDUIT W/ PULL WIRE. BEND CONDUIT TO METER SOCKET; DO NOT USE CONDULETS. SECURE CONDUIT TO OUTSIDE OF BLDG. WALL WITH CONDUIT STRAPS 2'-0" APART.
6. METER SOCKET SUPPLIED BY FLORIDA POWER & INSTALLED BY CONTRACTOR.
7. 8" X 8" X 6'-0" RAINTIGHT TROUGH, SQUARE D CAT. NO. RD86
8. 3-PHASE, 200A. 600 VAC, HEAVY DUTY, SINGLE THROW, FUSIBLE SAFETY SWITCH W/ REJECTION KIT & EQUIPMENT GROUND KIT. SQUARE D CAT. NO. H364 (SWITCH), HRK1020 (REJECTION KIT), PKOGTA-2 (GROUND KIT). PROVIDE BUSSMANN FUSETRON FRS-R 110A, 600 VAC FUSES.
9. 3-PHASE, 200A, 600 VAC, HEAVY DUTY, SINGLE THROW, FUSIBLE SAFETY SWITCH W/ REJECTION KIT & EQUIPMENT GROUND KIT. SQUARE D CAT.NO. H3634 (SWITCH), HRK1020 (REJECTION KIT), PKOGTA-2 (GROUND KIT). PROVIDE BUSSMANN FUSETRON FRS-R 200A, 600 VAC FUSES.
10. LIGHTNING ARRESTOR. ADVANCED PROTECTION TECHNOLOGIES TRANSIENT ELIMINATOR CAT. NO. TE/4000.
11. 600 VAC, 3-PHASE, 225A MAIN LUGS ONLY, CIRCUIT BREAKER PANELBOARD. SQUARE D CAT. NO. HCN3274-2N (INTERIOR), HC2674TS (FRONT), HC2674B (BOX) W/ PK27GTA EQUIPMENT GROUND BAR KIT. PROVIDE 100A FH BREAKERS PER PANEL SCHEDULE & HNM1BL & HNM4BL BLANKS AS REQ'D.
12. 240 VAC, 1-PHASE 3-WIRE, 100A 20" WIDE CIRCUIT BREAKER PANELBOARD W/ 80A MAIN BREAKER. SQUARE D CAT. NO. NQOD20M100 CU (INTERIOR), MH26 (BOX), MHC26 (FRONT) W/ PK12GTA GROUND BAR KIT. PROVIDE QOB PER PANEL SCHEDULE
13. 80 DEGREES C RISE, SINGLE PHASE, 240X480V PRIMARY, 120/240V SECONDARY, 60 HERTZ, FLOOR MOUNTED 15KVA TRANSFORMER. SORGEL CAT. NO. 15S3HB. REFERENCE TRANSFORMER NEUTRAL GROUNDING DETAIL.
14. SERVICE GROUND SYSTEM – MINIMUM (2) 5/8" X 10' COPPER CLAD GROUND RODS, MINIMUM 10' LENGTH STEEL PIPING. (ATTACH W/ GROUND CLAMP); ELECTRODE CONDUCTOR AT BOTTOM OF CONCRETE SLAB (ATTACH W/ EXOTHERMIC WELD).
15. 3-500MCM CU/THWN & 1-#1/0 NEUT. CU/THWN, 4"C.
16. 3-#2 & 1-#6 GND., ~~1-1/4"~~ 1-1/2"C.
17. 3-#3/0 & 1-#6 GND., 2"C.
18. GROUNDING ELECTRODE CONDUCTOR, 1-#1/0, 3/4"C. ATTACH TO GROUND RODS W/ EXOTHERMIC WELDS.
19. 2-#8 & 1-#8 GND, 1"C.
20. 2-#4, 1-#4 NEUT. & 1-#6 GND., 1-1/4"C.
21. CONTROL PANEL PROVIDED & MOUNTED BY TREATMENT UNIT SUPPLIER.
22. PUMP PANEL PROVIDED BY PUMP UNIT SUPPLIER.
23. 3-~~#10~~ #8 & 1-#10 GND., 3/4"C.
24. 3-#1 & 1-#2 GND., 1-1/2"C.
25. 3-#3 & 1-#6 GND., 1-1/4"C.
26. 1-#4, 3/4"C.
27. 2-#10 & 1-#10 GND., 3/4"C.
28. 3-#6 & 1-#6 GND., 1"C.

## GENERAL NOTES

1. CONTROL PANELS PROVIDED BY RELATED PUMP OR EQUIPMENT MANUFACTURERS. REFERENCE EQUIPMENT SPECIFICATIONS.
2. CONDUITS ROUTED ABOVE GROUND SHALL BE RIGID STEEL.
3. CONDUITS ROUTED BELOW GROUND SHALL BE SCHEDULE 40 PVC.
4. WIRING AND CONDUIT ROUTING DETAILS FROM TREATMENT UNIT CONTROL PANELS TO LOADS SHALL BE SUPPLIED BY TREATMENT UNIT MANUFACTURER. COORDINATE MATERIAL AND INSTALLATION REQUIREMENTS WITH MANUFACTURER.
5. SEE SHEET E-4 FOR HORSEPOWER SUMMARY INFORMATION.

"RECORD DRAWINGS"
INCORPORATING THOSE CHANGES MADE DURING THE CONSTRUCTION PROCESS BASED ON DATA FURNISHED BY THE CONTRACTOR TO THE ENGINEER.


ED Engineering Design Technologies Corp.
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PBSJ
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| CLIENT | PROJECT | TASK |
|---|---|---|
| CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | ELECTRICAL RISER DIAGRAM |

ORIGINAL: MARCH 1989
REVISIONS:
1 RECORD DRAWINGS 7/23/90
2
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APPROVED BY :
DATE

JOB NO. 22-081.00
DRAWN S.T.K.
DESIGNED B.E.H.
CHECKED B.E.H.
QC D.A.W.

## PANELBOARD SCHEDULE PPA

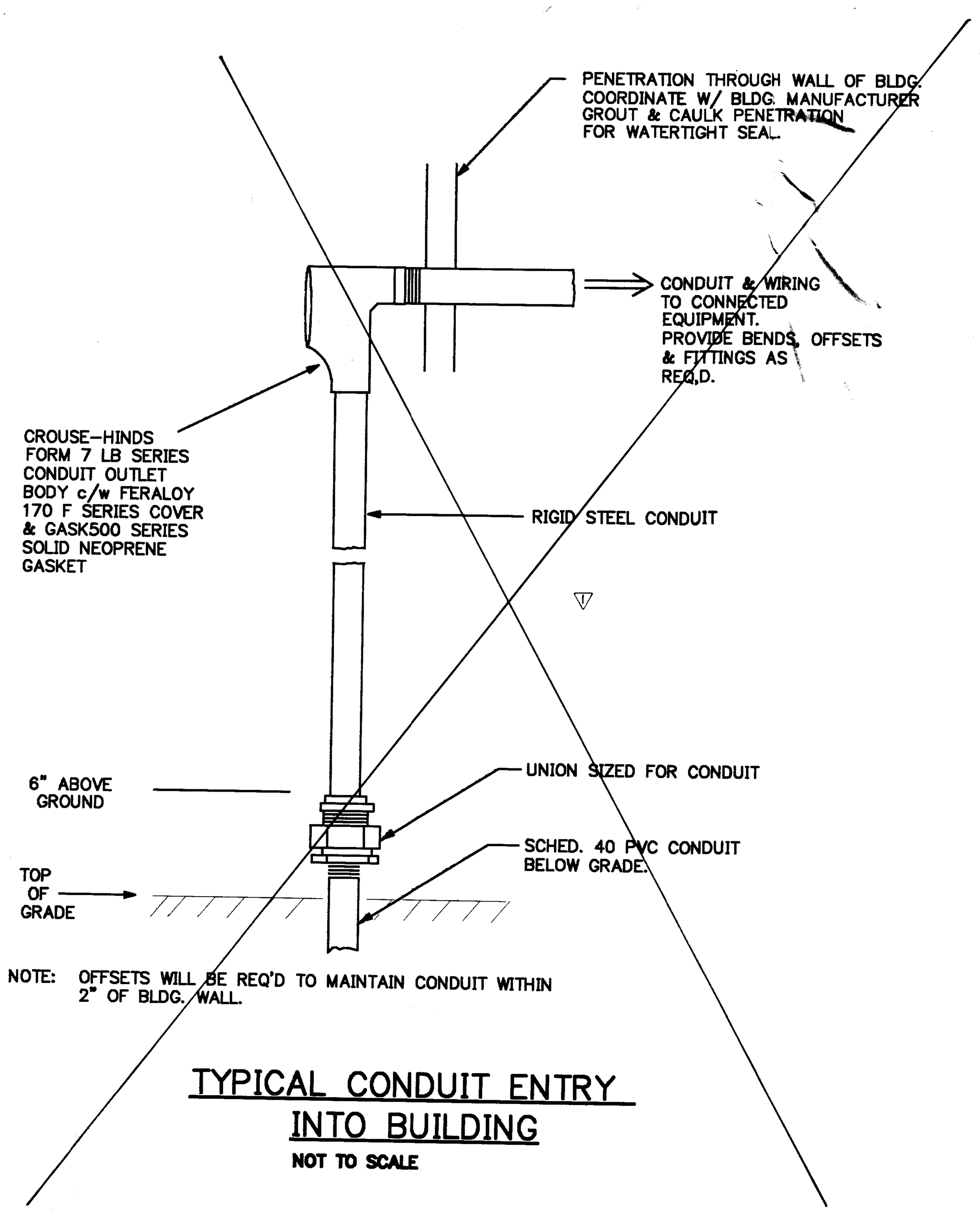
| bus amps A | bus amps B | bus amps C | LOAD | poles | amps | ckt | bus ABC | ckt | amps | poles | LOAD | bus amps A | bus amps B | bus amps C |
|---|---|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 42 | | | STORMWATER PUMP STATION | 3 | 70 | 1 | | 2 | ~~15~~ 30 | 3 | LEACHATE PUMP STATION #1 | 8 | | |
| | 42 | | CONTROL PANEL | | | | | | | | CONTROL PANEL | | 8 | |
| | | 42 | | | | | | | | | | | | 8 |
| 5 | | | WELL PUMP CONTROL PANEL | 3 | 15 | 7 | | 8 | ~~15~~ 30 | 3 | LEACHATE PUMP STATION #2 | 8 | | |
| | 5 | | | | | | | | | | CONTROL PANEL | | 8 | |
| | | 5 | | | | | | | | | | | | 8 |
| 4 | | | TERTIARY FILTER CONTROL PANEL | 3 | 15 | 13 | | 14 | 45 | 3 | LEACHATE PUMP STATION #3 | 28 | | |
| | 4 | | | | | | | | | | CONTROL PANEL | | 28 | |
| | | 4 | | | | | | | | | | | | 28 |
| 12 | | | TREATMENT UNIT #4 | 3 | 20 | 19 | | 20 | 30 | 3 | PLANT DRAIN PUMP STATION | 16 | | |
| | 12 | | CONTROL PANEL | | | | | | | | CONTROL PANEL | | 16 | |
| | | 12 | | | | | | | | | | | | 16 |
| 31 | | | 120/240 VAC TRANSFORMER | 2 | 40 | 25 | | | 15 | 3 | SPARE | | | |
| | 31 | | | | | | | | | | | | | |

| | |
|---|---|
| RATED VOLTAGE: 480, 3 PHASE, 3 WIRE | BRANCH POLES: 42 |
| RATED AMPS: 225 | CABINET: SURFACE |
| FULL NEUTRAL BUS · GROUND BUS · HINGED DOOR · KEYED DOOR LATCH | MAIN LUGS ONLY |
| CIRCUIT BREAKER: BOLT-IN BRANCH DEVICES | FEED IS TO BE TOP |
| ALL BRKRS. MUST BE RATED TO INTERRUPT A SHORT CIRCUIT $I_{SC}$ OF 25,000 AMPS SYMMETRICAL | |
| APPR'D MF'RS: WESTINGHOUSE, SQUARE D, ITE/SIEMENS | MAIN LUGS: 1 SET; SIZE #3/0 |
| TOTAL AMPS: BUS A 154 BUS B 154 BUS C 123 CONNECTED KVA 119.4 DEMAND KVA 119.4 | |

## PANELBOARD SCHEDULE LPA

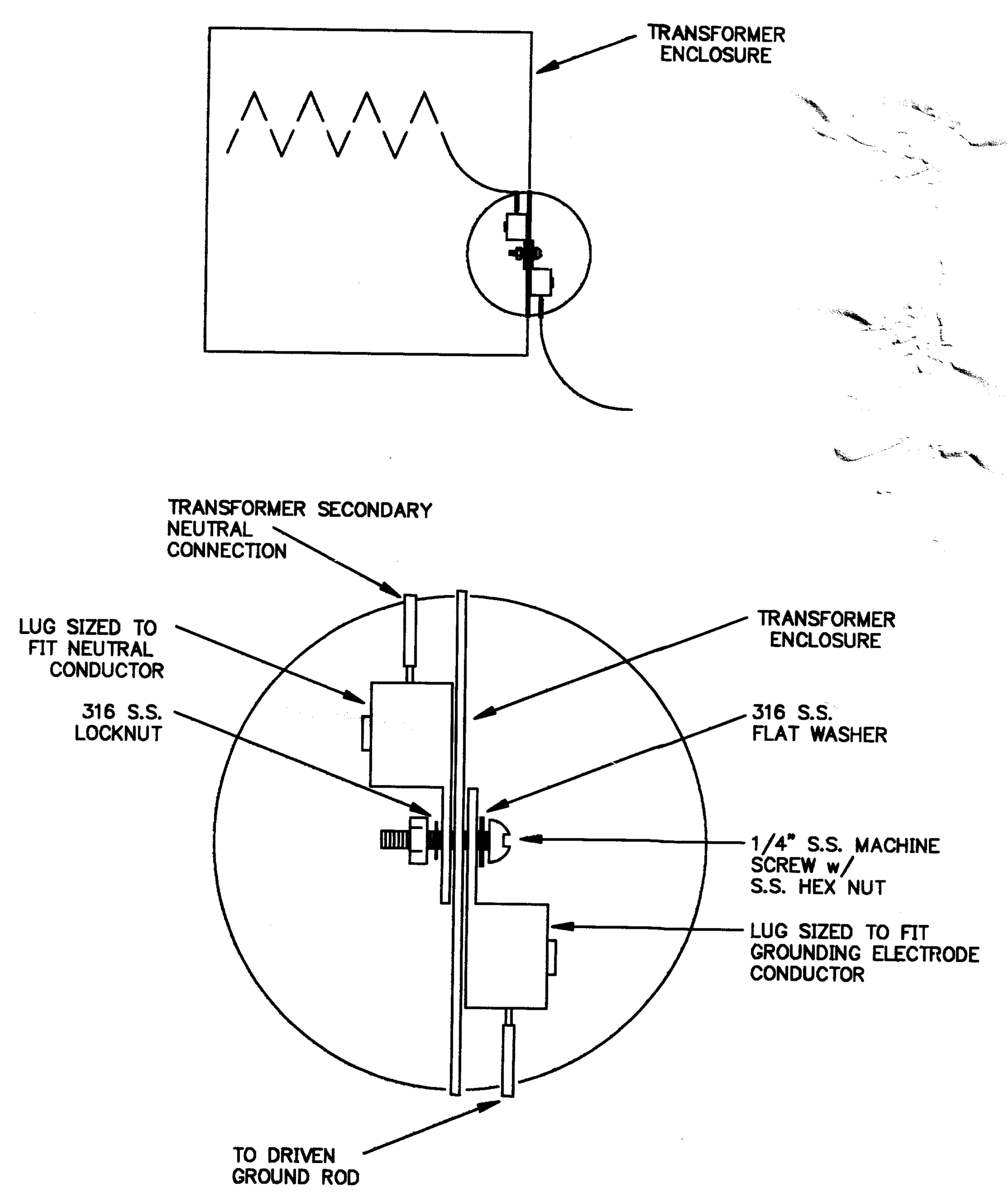
| bus amps A | bus amps B | LOAD | poles | amps | ckt | bus AB | ckt | amps | poles | LOAD | bus amps A | bus amps B |
|---|---|---|---|---|---|---|---|---|---|---|---|---|
| 4 | | POLYMER TANK MIXER #1 | 1 | 20 | 1 | | 2 | 20 | 1 | PLANT BLDG. LIGHTING | 1 | |
| | 4 | POLYMER TANK MIXER #2 | 1 | 20 | 3 | | 4 | 20 | 1 | PLANT BLDG. RECEPTACLES | | 8 |
| 4 | | POLYMER TANK MIXER #3 | 1 | 20 | 5 | | 6 | 20 | 1 | AREA LIGHTING | 9 | |
| | 9 | AREA LIGHTING | 1 | 20 | 7 | | 8 | 20 | 1 | TREATMENT UNITS LIGHTING | | 4 |
| 9 | | AREA LIGHTING | 1 | 20 | 9 | | | 20 | 1 | SPARE | | |
| | | SPARE | 1 | 20 | | | | 20 | 1 | SPARE | | |
| | | | | | | | | 20 | 1 | PAC#1 CONTROL | | |
| | | | | | | | | 20 | 1 | PAC#2 CONTROL 1 | | |
| | | | | | | | | 20 | 1 | PAC#3 CONTROL | | |
| | | | | | | | | 20 | 1 | PAC#4 CONTROL | | |

| | |
|---|---|
| RATED VOLTAGE: 120/240, 1 PHASE, 3 WIRE | BRANCH POLES: 20 |
| RATED AMPS: 100 | CABINET: SURFACE |
| FULL NEUTRAL BUS · GROUND BUS · HINGED DOOR · KEYED DOOR LATCH | 80A/2P MAIN BRKR. |
| CIRCUIT BREAKER: BOLT-IN BRANCH DEVICES | FEED IS TO BE TOP |
| ALL BRKRS. MUST BE RATED TO INTERRUPT A SHORT CIRCUIT $I_{SC}$ OF 10,000 AMPS SYMMETRICAL | |
| APPR'D MF'RS: WESTINGHOUSE, SQUARE D, ITE/SIEMENS | MAIN LUGS: 1 SET; SIZE #4 |
| TOTAL AMPS: BUS A 27 BUS B 25 CONNECTED KVA 6.5 DEMAND KVA 6.5 | |

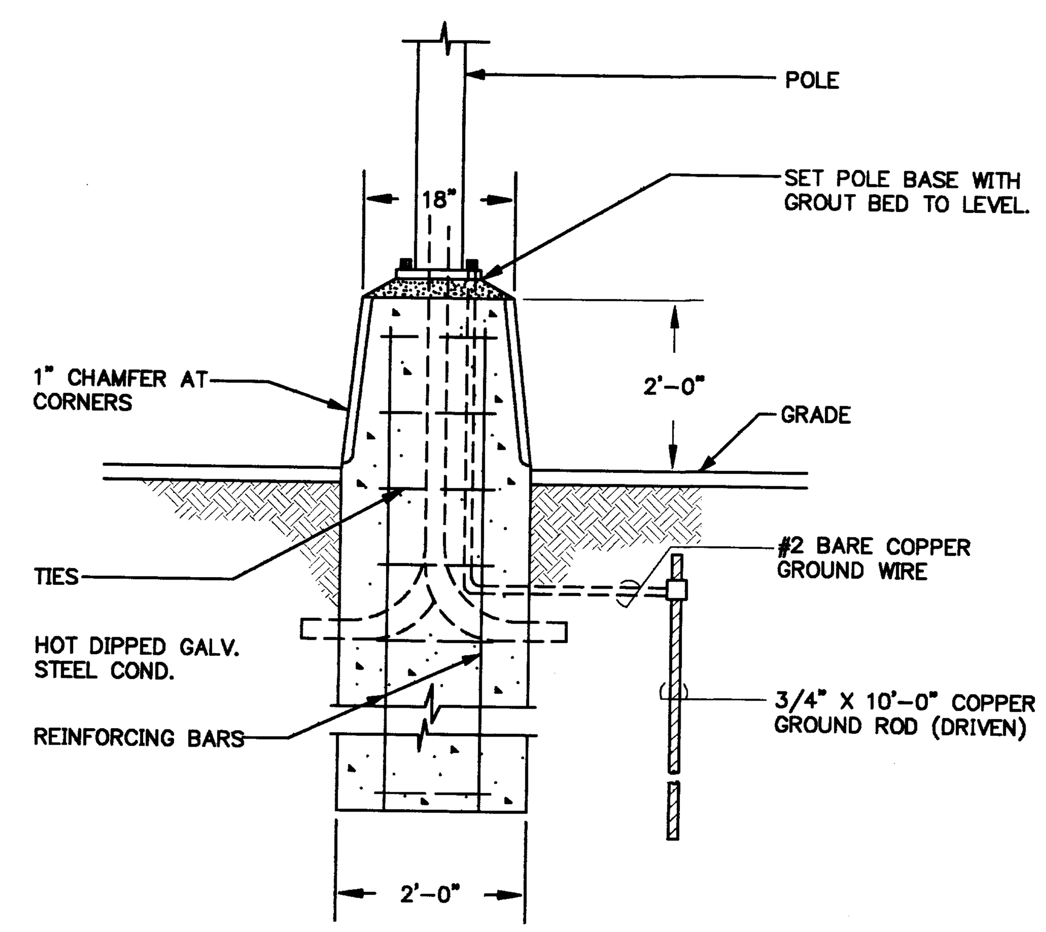



NOTE: OFFSETS WILL BE REQ'D TO MAINTAIN CONDUIT WITHIN 2" OF BLDG. WALL.

TYPICAL CONDUIT ENTRY INTO BUILDING
NOT TO SCALE

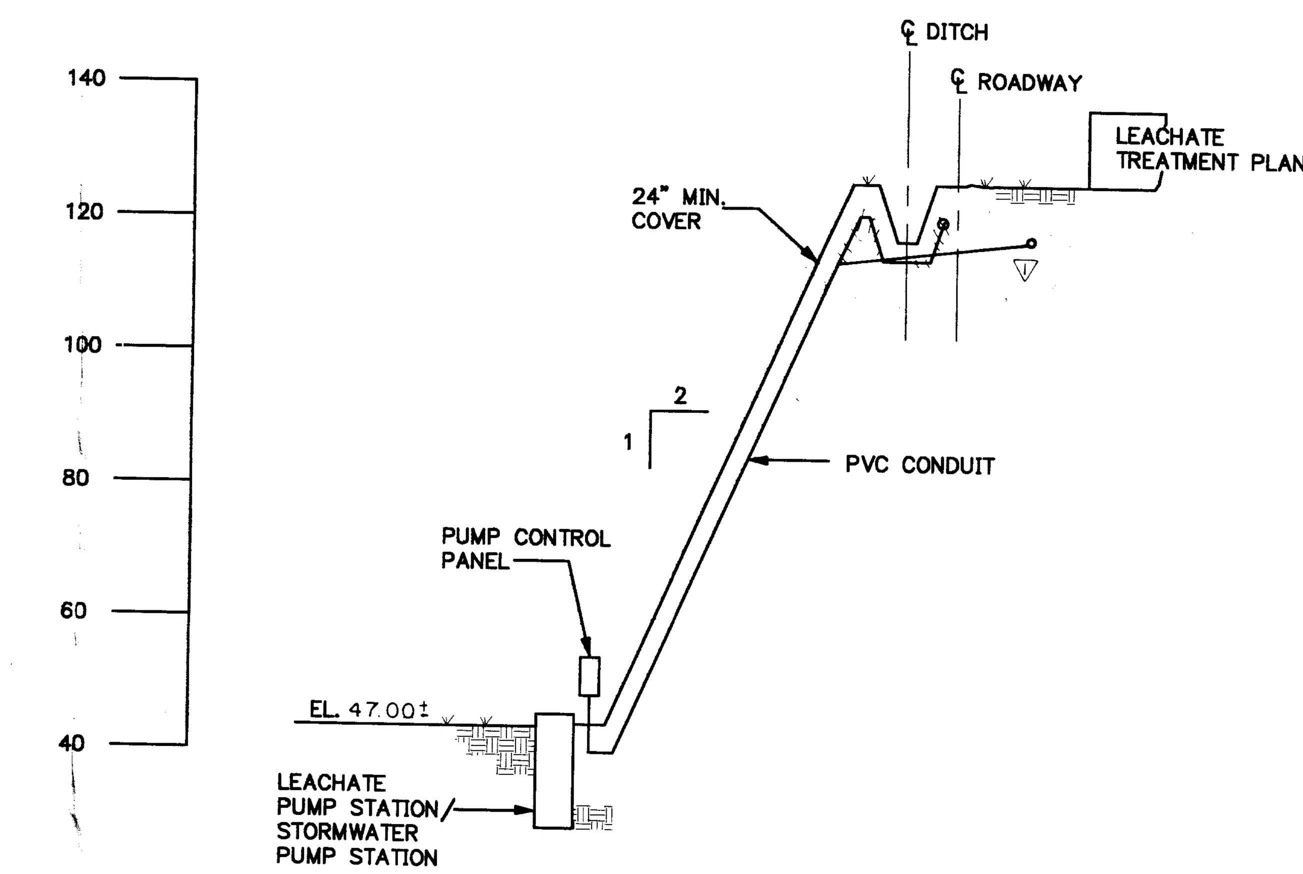



TRANSFORMER NEUTRAL GROUNDING DETAIL
NOT TO SCALE




PARKING LOT LIGHT-POLE BASE DETAIL
NOT TO SCALE

NOTE: DEPTH AND STRUCTURE AS REQUIRED BY SOIL CONDITIONS FOR 100 M.P.H. WIND WITH 1.3 GUST FACTOR. COORDINATE WITH CIVIL ENGINEER.




CONDUIT ROUTING PROFILE DETAIL
NOT TO SCALE

"RECORD DRAWINGS"
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| | | | | | |
|---|---|---|---|---|---|
| PBSJ POST, BUCKLEY, SCHUH & JERNIGAN, INC. | CLIENT: CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES | PROJECT: CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION | TASK: ELECTRICAL PANEL BOARD SCHEDULES AND DETAILS | ORIGINAL: MARCH 1989<br>REVISIONS:<br>1 RECORD DRAWINGS 7/23/90<br>2<br>3<br>4<br>5<br>6<br>7<br>8<br>9<br>10<br>11<br>12 | APPROVED BY:<br>DATE<br>JOB NO. 22-081.00<br>DRAWN S.T.K.<br>DESIGNED B.E.H.<br>CHECKED B.E.H.<br>QC D.A.W.<br>E-3<br>SHEET 31/32 |


NOTE: UNLESS OTHERWISE NOTED CIRCUITS SHOWN SHALL BE 2-#10 & 1-#10 GND., 3/4"C.

## LEACHATE TREATMENT PLANT SITE PLAN

**NOT TO SCALE**

## GENERAL NOTES:

1. CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL PRIOR TO PURCHASING EQUIPMENT OR COMMENCING CONSTRUCTION.
2. ALL CONDUCTORS (EXCEPT CONTROL PANEL WIRING) SHALL BE STRANDED COPPER, AWG 12 MINIMUM WITH THHN/THWN INSULATION. CONTROL-PANEL WIRING SHALL BE TYPE SIS AWG 12 MINIMUM.
3. ALL WIRING SHALL BE IDENTIFIED WITH NUMBERS AT ALL TERMINALS AND ON WIRING DIAGRAMS.
4. ALL INSTALLED COMPONENTS SHALL BE LABELED.
5. FIELD VERIFY ALL EQUIPMENT LOCATIONS AND CONNECTIONS PRIOR TO CONSTRUCTION.
6. REFERENCE PLAN & SECTION DRAWINGS FOR EQUIPMENT LOCATIONS.
7. ALL ELECTRICAL WORK SHALL BE PERFORMED IN ACCORDANCE WITH THE 1987 EDITION OF THE NEC AND APPLICABLE LOCAL ORDINANCES.
8. COORDINATE ALL INSTALLATIONS WITH ALL OTHER TRADES.
9. ALL CONDUITS INSTALLED BELOW GRADE SHALL BE PVC SCH. 40.
10. ALL CONDUITS EXPOSED ABOVE GRADE SHALL BE RIGID STEEL CONDUIT. CONNECTIONS TO PVC CONDUIT BELOW GRADE SHALL BE MADE WITH A STEEL TO PVC CONDUIT ADAPTER.

## LIGHTING FIXTURE SCHEDULE

| TYPE: | MANUFACTURER & CAT. NO. | LAMP | VOLTAGE | MOUNTING | REMARKS |
|---|---|---|---|---|---|
| F1 | MILLER DMT SERIES EWL-04-2-R-TP-DR-E1 | (2) 40W RS | 120 | CEILING | MOUNT ON BLDG. CEILING/MOUNT ON OVERHEAD STR. STEEL PROVIDE 0 DEGREES STARTING BALLAST. |
| F2 | HUBBELL MVK-COS-168 | (1) 400W HPS | 120 | POLE | MOUNT ON 20' SQ STEEL POLE ON CONCRETE BASE. HUBBELL SSP-5201-XX W/BRONZE PAINT (M51) & TENNION BRACKET (THB-21) OR (THB-32) AS REQ'D. EQUIP EACH FIXTURE W/ PCR TWIST-LOCK RECEPTACLE & PTL-1 120 VAC TWIST-LOCK PHOTOCONTROL |

## ELECTRICAL LEGEND

| SYMBOL | DESCRIPTION |
|---|---|
| | FLUORESCENT FIXTURE – CEILING MTD. |
| | CONDUIT CONCEALED ABOVE CLG. OR IN WALL SPACE |
| | CONDUIT IN SLAB OR UNDERGROUND |
| | CONDUIT EXPOSED |
| – –OH– – | OVERHEAD POWER LINE BY FLORIDA POWER CORP. |
| | HID FLOODLIGHT–POLE MTD. |
| S | SINGLE POLE SWITCH 20A, 120/277V, CTR. @ 50" A.F.F. |
| | 120V, 1ø CIRCUIT HOMERUN TO 1-POLE BRKR. |
| 3 60/40 | HEAVY DUTY SAFETY SWITCH, 60A, 3-POLE, FUSED @ 40A, TOP @ 6'-0" A.F.F. |
| | 15A, 125V, 3-WIRE DUPLEX GROUNDING RECEPT. CTR. @ 18" A.F.F. |

## HORSEPOWER SUMMARY

**TREATMENT FACILITY #1**

| | |
|---|---|
| AERATION BLOWER | 40 HP |
| POLYMER METERING PUMP | 3/4 HP |
| POLYMER TANK MIXER | 1/3 HP |
| WASTE SLUDGE PUMP | 2.1 HP |
| DECANT PUMP | 2.1 HP |
| MIXER | 10 HP |

**TREATMENT FACILITY #2**

| | |
|---|---|
| AERATION BLOWER | 40 HP |
| POLYMER METERING PUMP | 3/4 HP |
| POLYMER TANK MIXER | 1/3 HP |
| WASTE SLUDGE PUMP | 2.1 HP |
| DECANT PUMP | 2.1 HP |
| MIXER | 10 HP |

**TREATMENT FACILITY #3**

| | |
|---|---|
| AERATION BLOWER | 40 HP |
| POLYMER METERING PUMP | 3/4 HP |
| POLYMER TANK MIXER | 1/3 HP |
| WASTE SLUDGE PUMP | 2.1 HP |
| DECANT PUMP | 2.1 HP |
| MIXER | 10 HP |

**TREATMENT FACILITY #4**

| | |
|---|---|
| FILTER FEED PUMP #1 | 1/2 HP |
| FILTER FEED PUMP #2 | 1/2 HP |
| SLUDGE PUMP | 2.1 HP |

**LEACHATE PUMP STATION #1**

| | |
|---|---|
| PUMP | 4.5 HP |

**LEACHATE PUMP STATION #2**

| | |
|---|---|
| PUMP | 4.5 HP |

**LEACHATE PUMP STATION #3**

| | |
|---|---|
| PUMP #1 | 10 HP |
| PUMP #2 | 10 HP |

**TERTIARY FILTER**

| | |
|---|---|
| BACKWASH PUMP #1 | 2 HP |
| BACKWASH PUMP #2 | 2 HP |

**PLANT DRAIN PUMP STATION**

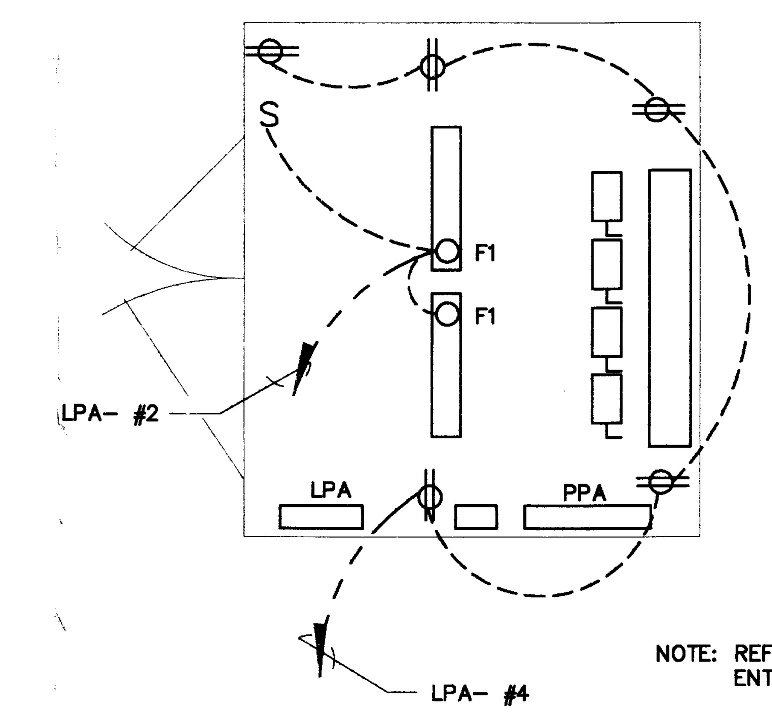
| | |
|---|---|
| PUMP #1 | 5 HP |
| PUMP #2 | 5 HP |

**WELL PUMP STATION**

| | |
|---|---|
| PUMP | 3 HP |

**STORMWATER PUMP STATION**

| | |
|---|---|
| PUMP #1 | 12.7 HP |
| PUMP #2 | 12.7 HP |




NOTE: REFERENCE DETAIL FOR TYPICAL CONDUIT ENTRY INTO BUILDING.

## PLANT BUILDING DETAIL

**NOT TO SCALE**

"RECORD DRAWINGS"

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PBSJ
POST, BUCKLEY, SCHUH & JERNIGAN, INC.

CLIENT: CITRUS COUNTY, FLORIDA DEPARTMENT OF TECHNICAL SERVICES

PROJECT: CITRUS COUNTY CENTRAL SANITARY LANDFILL EXPANSION

TASK: ELECTRICAL LEACHATE TREATMENT PLANT SITE PLAN

ORIGINAL: MARCH 1989

REVISIONS:
1. RECORD DRAWINGS 7/23/90

APPROVED BY:

DATE

JOB NO. 22-081.00
DRAWN S.T.K.
DESIGNED B.E.H.
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