

WACS #133 628

PHASES I AND II

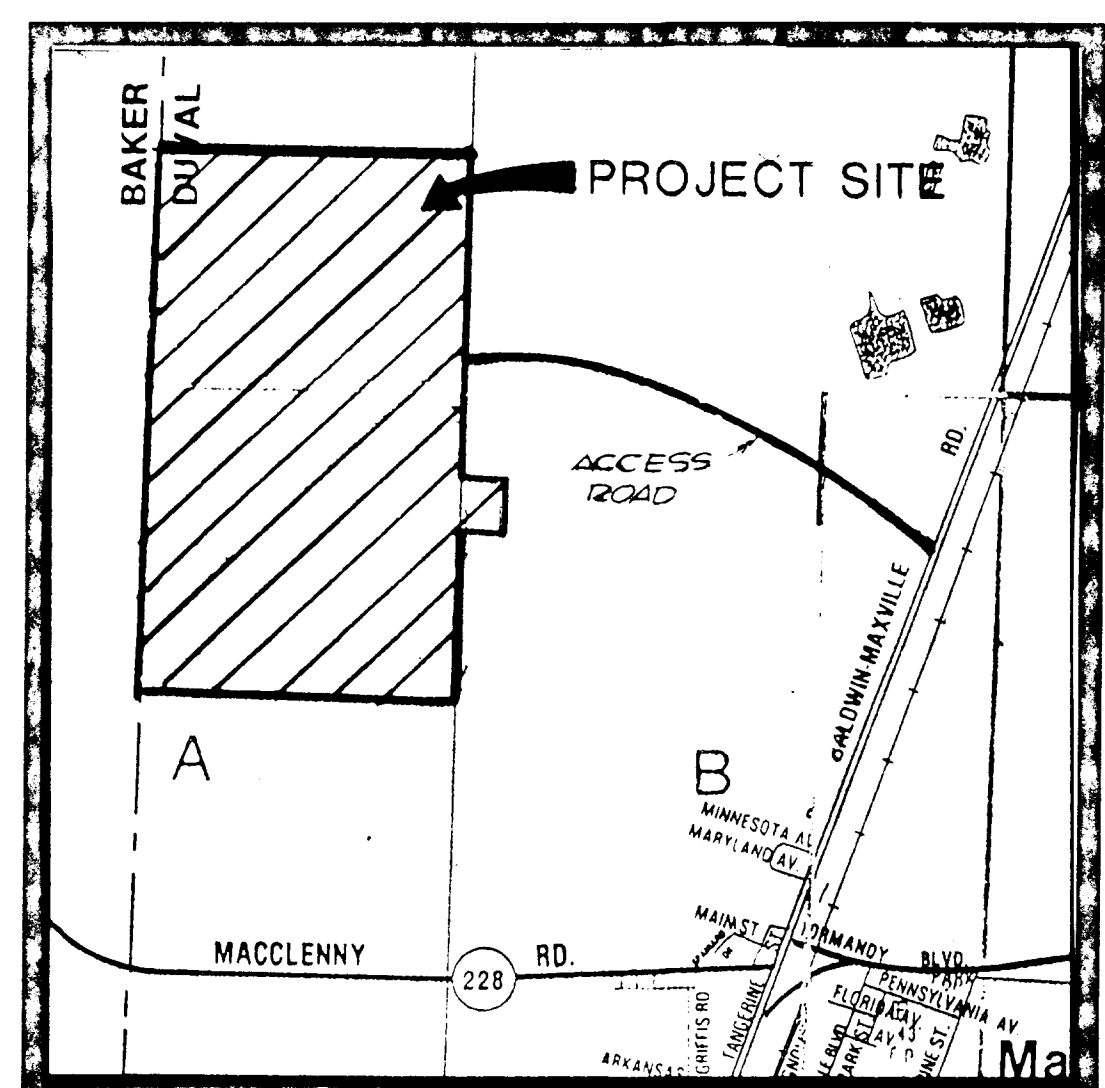
"AS - BUILTS"

OF

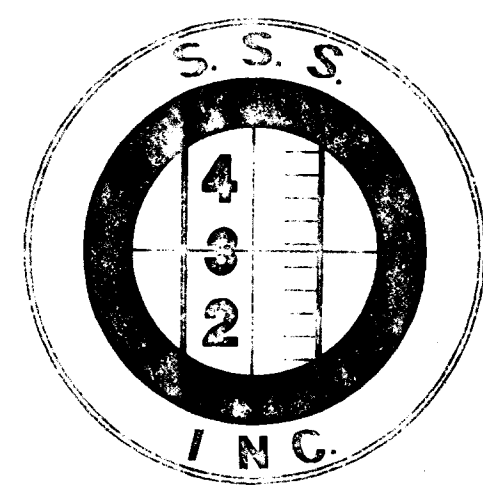
TRAIL RIDGE LANDFILL

FOR

TRAIL RIDGE LANDFILL INC.



VICINITY MAP



SUNSHINE STATE SURVEYORS INC.

SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH
JACKSONVILLE, FLORIDA 32216
(904) 642-8550

INDEX OF DRAWINGS

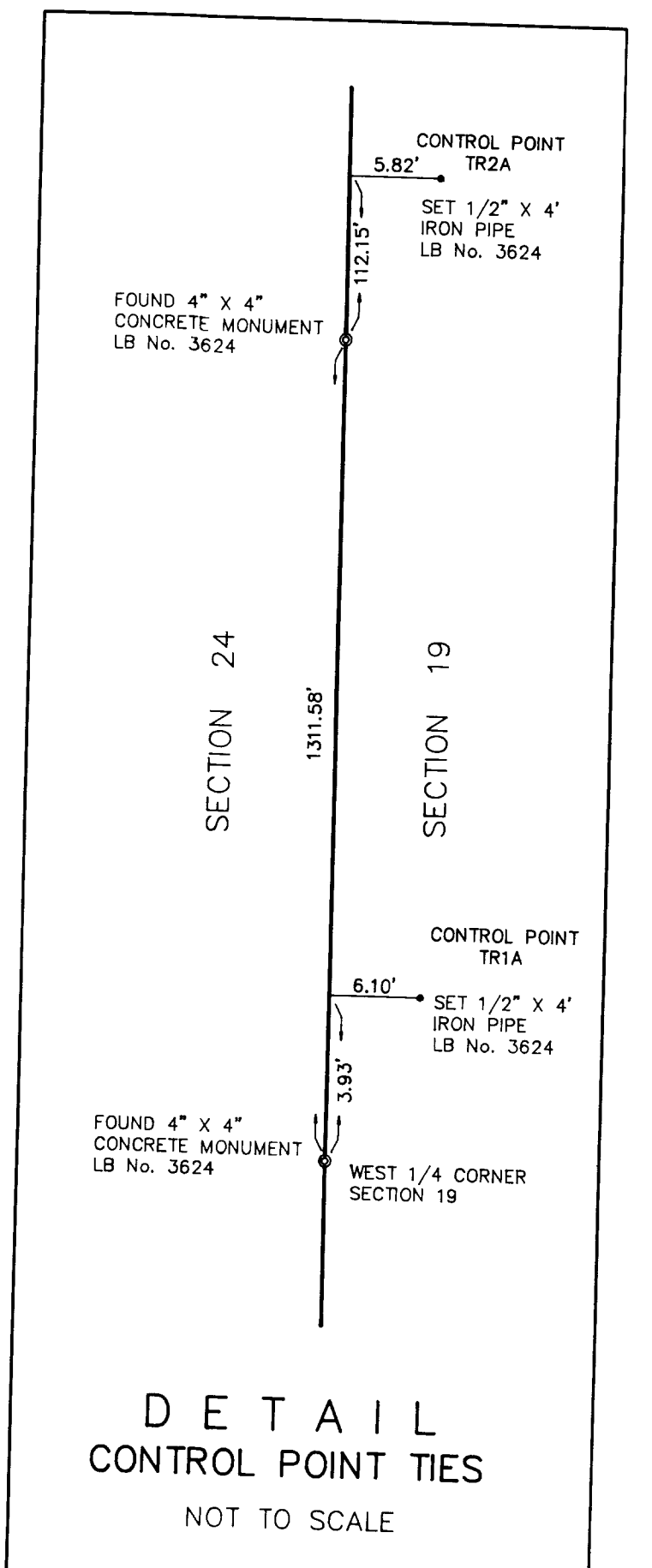
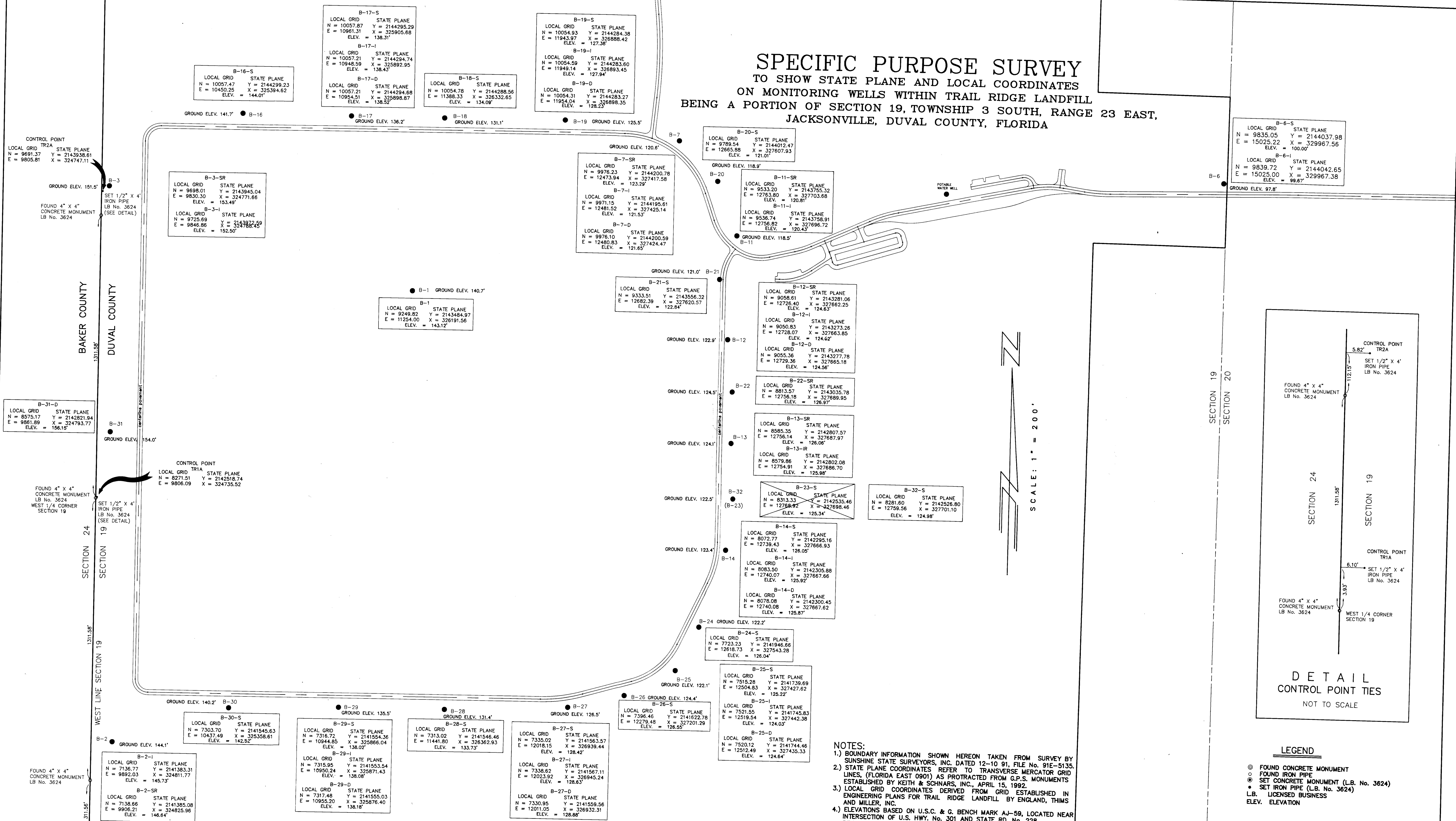
SHEET NO.	DESCRIPTION
1	GROUNDWATER MONITORING WELLS
2	LINER SYSTEM "AS-BUILTS"
3	LINER SYSTEM "AS-BUILTS"
4	LINER SYSTEM "AS-BUILTS"
5	LEACHATE FORCE MAIN "AS-BUILT"
6	LEACHATE AREA ELECTRICAL "AS-BUILTS"
7	DRAINAGE STRUCTURE AND SPREADER PIPE DATA SHEET
8	PHASE I AND II DRAINAGE STRUCTURE "AS-BUILT"
9	DETENTION LAKE "AS-BUILT"
10	FILTER BED AREA "AS-BUILT"
11	ANCILLARY AREA FORCE MAIN, WATER MAIN AND STORM DRAINAGE "AS-BUILTS"
12	ANCILLARY AREA FORCE MAIN, WATER MAIN AND STORM DRAINAGE "AS-BUILTS"
13	ENTRANCE ROAD STORM DRAINAGE "AS-BUILTS"
14	ENTRANCE ROAD STORM DRAINAGE "AS-BUILTS"
15	ENTRANCE ROAD STORM DRAINAGE "AS-BUILTS"
16	ENTRANCE ROAD STORM DRAINAGE "AS-BUILTS"
17	ENTRANCE ROAD STORM DRAINAGE "AS-BUILTS"
18	ENTRANCE ROAD STORM DRAINAGE "AS-BUILTS"
19	ENTRANCE ROAD STORM DRAINAGE "AS-BUILTS"
20	CLASS I FIRE PUMP / HYDROTANK STORMWATER ASBUILT
WT 1	WATER TREATMENT FACILITY "AS-BUILTS"
WT 2	WATER TREATMENT FACILITY "AS-BUILTS"
WT 3	WATER TREATMENT FACILITY "AS-BUILTS"
WT 4	WATER TREATMENT PLANT "AS-BUILTS"

NORTHEAST DISTRICT
REGISTERED
FEB 13 1993
JACKSONVILLE
FLORIDA

UPDATED: JANUARY, 1993
UPDATED: DECEMBER, 1992
DATE: SEPTEMBER, 1992

TRAIL RIDGE LF, JAX
AS BUILT

SPECIFIC PURPOSE SURVEY
TO SHOW STATE PLANE AND LOCAL COORDINATES
ON MONITORING WELLS WITHIN TRAIL RIDGE LANDFILL
BEING A PORTION OF SECTION 19, TOWNSHIP 3 SOUTH, RANGE 23 EAST,
JACKSONVILLE, DUVAL COUNTY, FLORIDA



- NOTES:
- 1.) BOUNDARY INFORMATION SHOWN HEREON TAKEN FROM SURVEY BY SUNSHINE STATE SURVEYORS, INC. DATED 12-10-91, FILE NO. 91E-5135.
 - 2.) STATE PLANE COORDINATES REFER TO TRANSVERSE MERCATOR GRID LINES, (FLORIDA EAST 0901) AS PROTRACTED FROM G.P.S. MONUMENTS ESTABLISHED BY KEITH & SCHNARS, INC., APRIL 15, 1992.
 - 3.) LOCAL GRID COORDINATES DERIVED FROM GRID ESTABLISHED IN ENGINEERING PLANS FOR TRAIL RIDGE LANDFILL BY ENGLAND, THIMS AND MILLER, INC.
 - 4.) ELEVATIONS BASED ON U.S.C. & G. BENCH MARK A-58, LOCATED NEAR INTERSECTION OF U.S. HWY. NO. 301 AND STATE RD. NO. 228. BENCH MARK ELEVATION: 88.412'.
 - 5.) DATE OF LAST FIELDWORK: JULY 1, 1992.
 - 6.) ELEVATIONS SHOWN HEREON ARE ON TOP OF MONITORING WELL UNLESS OTHERWISE NOTED.

REVISED 9-18-92 TO CHANGE ELEVATION OF WELL B-12-1
REVISED: JULY 15, 1992 TO SHOW ELEVATIONS AND REPLACEMENT WELL B-32-S (FOR B-23-S).

SUNSHINE STATE SURVEYORS, INC.
ENGINEERS, SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32216

I HEREBY CERTIFY THAT THE SURVEY REPRESENTED HEREON IS TRUE AND CORRECT TO THE BEST OF MY KNOWLEDGE AND BELIEF, AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH IN CHAPTER 91B-6, F.A.C.

NOTE: NOT VALID WITHOUT RAISED EMBOSSED SEAL

SCALE 1" = 200'

DATE APRIL 23, 1992

REGISTERED SURVEYOR NO. 4186, FLORIDA

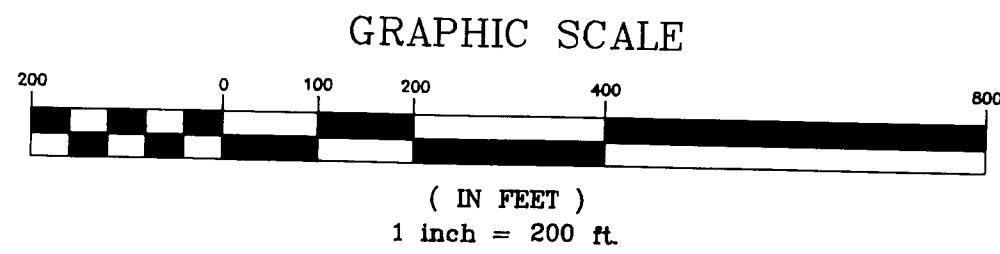
LEGEND

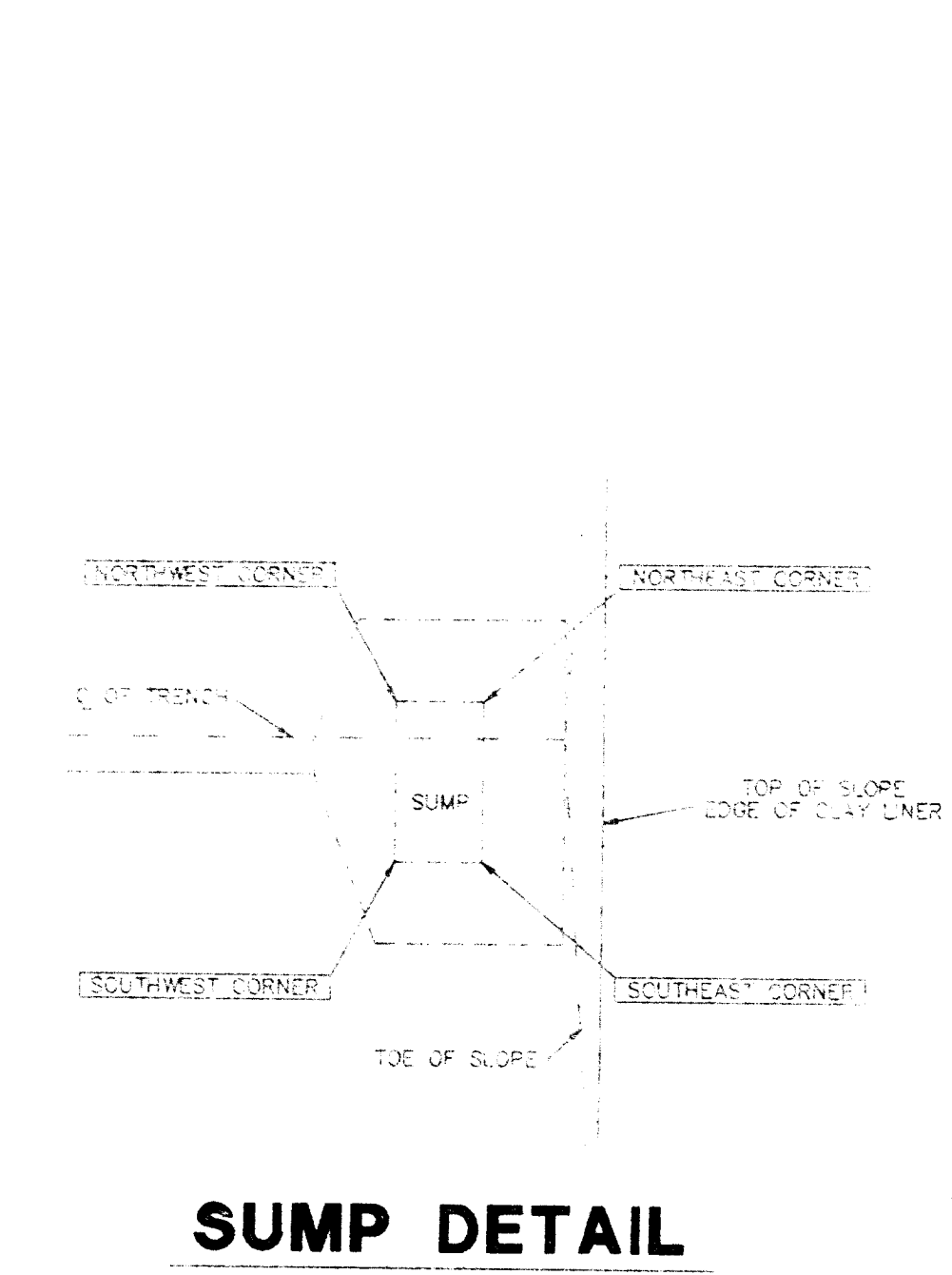
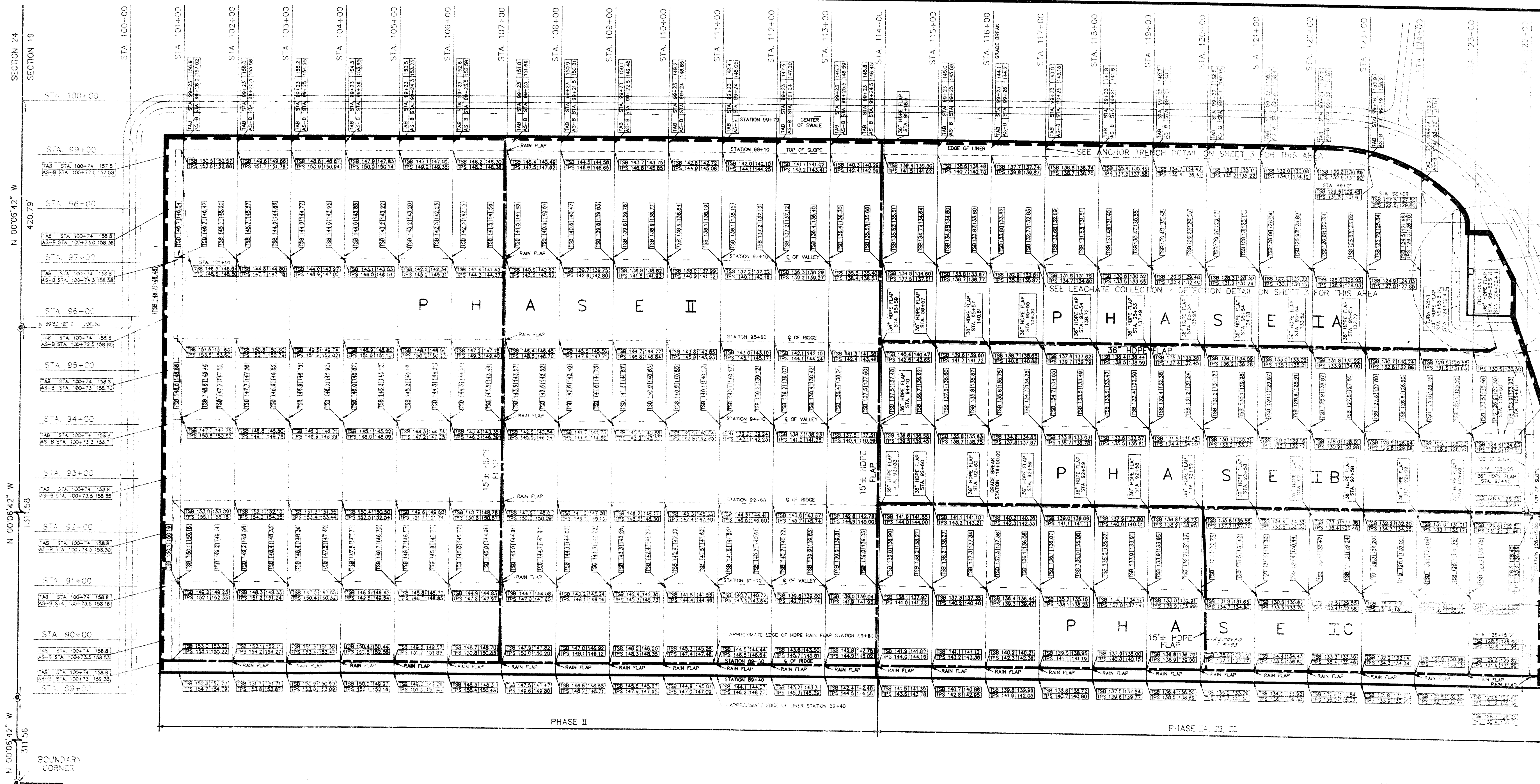
- CONC. MON. FOUND
- CONC. MON. (SET)
- IRON CORNER (SET)
- ✱ FENCE
- CORNER (FOUND)
- CROSS CUT

FIELD BOOK NO. 339/75-78,363/2-5
DRAWN BY J.L.R.
CHECKED BY R.S.C.

R - 23 - E

ORDER NO. S92-205
FILE NO. 92D-5246





SUMP TABLE

PHASE	CORNER	DESIGN EL.	AS-BUILT EL.
IA	NORTHEAST	121.5	121.42
IA	NORTHWEST	121.5	121.38
IA	SOUTHEAST	121.5	121.24
IA	SOUTHWEST	121.5	121.37
IB	NORTHEAST	121.4	121.36
IB	NORTHWEST	121.4	121.34
IB	SOUTHEAST	121.4	121.43
IB	SOUTHWEST	121.4	121.36
IC	NORTHEAST	122.9	123.04
IC	NORTHWEST	122.9	122.95
IC	SOUTHEAST	122.9	123.03
IC	SOUTHWEST	122.9	123.05

SHEET 2

DATE	PHASE
5-12-92	IA
5-13-92	REMOVED SECTION OF PHASE I AT STA 114+00 TO 116+00
6-12-92	
1-24-93	ADDED PHASE I AND PHASE II
2-5-93	REMOVED RAIN FLAP PHASE I

I HEREBY CERTIFY THAT THE CLAY SUB-BASE, PROTECTIVE SAND, 36" DRY FLAP, AND THE TOP OF CLAY LINER SHOWN HEREON ARE AT THE HORIZONTAL AND VERTICAL LOCATION AS INDICATED ON THIS "AS-BUILT" AND MEET THE MINIMUM TECHNICAL STANDARDS AS SET FORTH IN CHAPTER 400, PART 1, OF THE FLORIDA STATUTES.

[Signature]

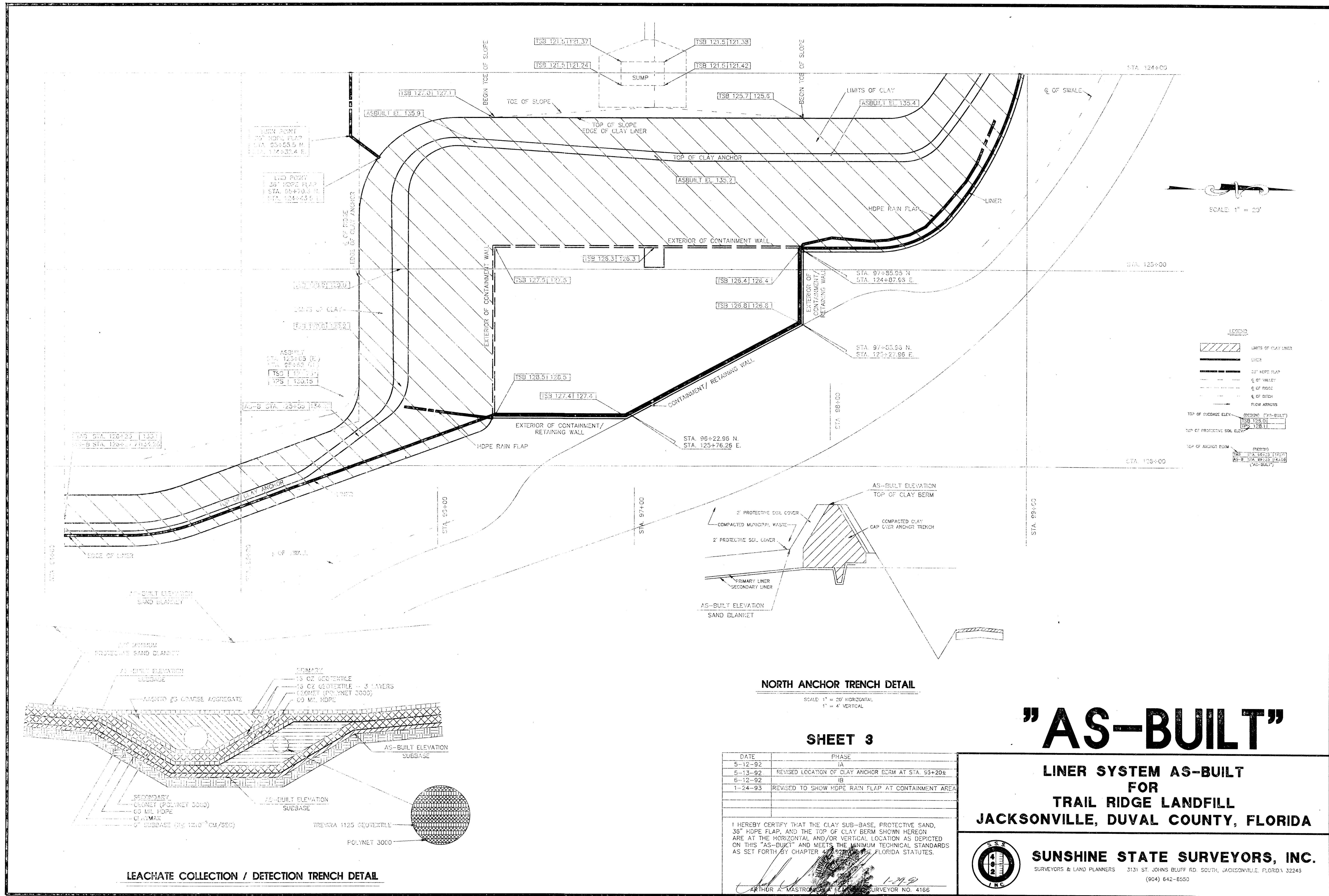
 SURVEYOR
 UP A MASTRACOL, A FLA REG SURVEYOR NO. 4186

"AS-BUILT"

**LINER SYSTEM AS-BUILT
FOR
TRAIL RIDGE LANDFILL
JACKSONVILLE, DUVAL COUNTY, FLORIDA**

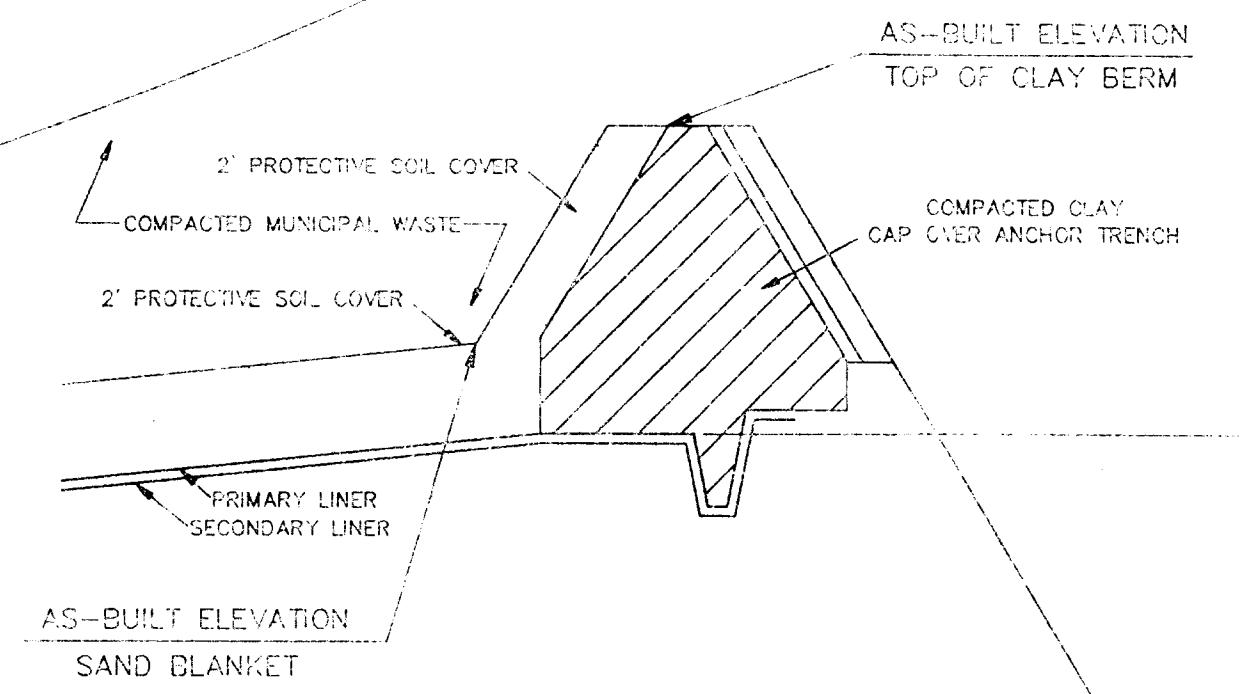
SUNSHINE STATE SURVEYORS, INC.

SURVEYORS & LAND PLANNERS 3121 ST. JOHNS BLVD. SUITE 100 JACKSONVILLE, FLORIDA 32205
 (904) 642-8510



SCALE: 1" = 20'

- LEGEND
- LIMITS OF CLAY LINER
 - LINER
 - 36" HOPE FLAP
 - Q OF VALLEY
 - Q OF RIDGE
 - Q OF DITCH
 - FLOW ARROWS
 - TOP OF SUBGRADE ELEV. (DESIGN) (7/5-BUILT)
 - TOP OF PROTECTIVE SOIL ELEV. (DESIGN) (7/5-BUILT)
 - TOP OF ANCHOR BERM (DESIGN) (7/5-BUILT)
 - AS-BUILT STA. 125.01 (7/5-BUILT)
 - AS-BUILT STA. 125.01 (7/5-BUILT)
 - AS-BUILT STA. 125.01 (7/5-BUILT)
 - AS-BUILT STA. 125.01 (7/5-BUILT)



NORTH ANCHOR TRENCH DETAIL

SCALE: 1" = 20' HORIZONTAL
1" = 4' VERTICAL

SHEET 3

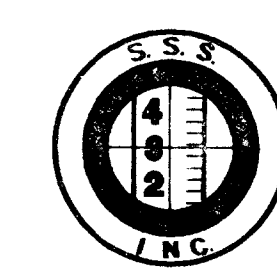
DATE	PHASE
5-12-92	1A
5-13-92	REVISED LOCATION OF CLAY ANCHOR BERM AT STA. 93+20±
6-12-92	1B
1-24-93	REVISED TO SHOW HOPE RAIN FLAP AT CONTAINMENT AREA

I HEREBY CERTIFY THAT THE CLAY SUB-BASE, PROTECTIVE SAND, 36" HOPE FLAP, AND THE TOP OF CLAY BERM SHOWN HEREON ARE AT THE HORIZONTAL AND/OR VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY CHAPTER 47, PART 1, OF THE FLORIDA STATUTES.

ARTHUR A. MASTRONARDI, R.L.S., SURVEYOR NO. 4166

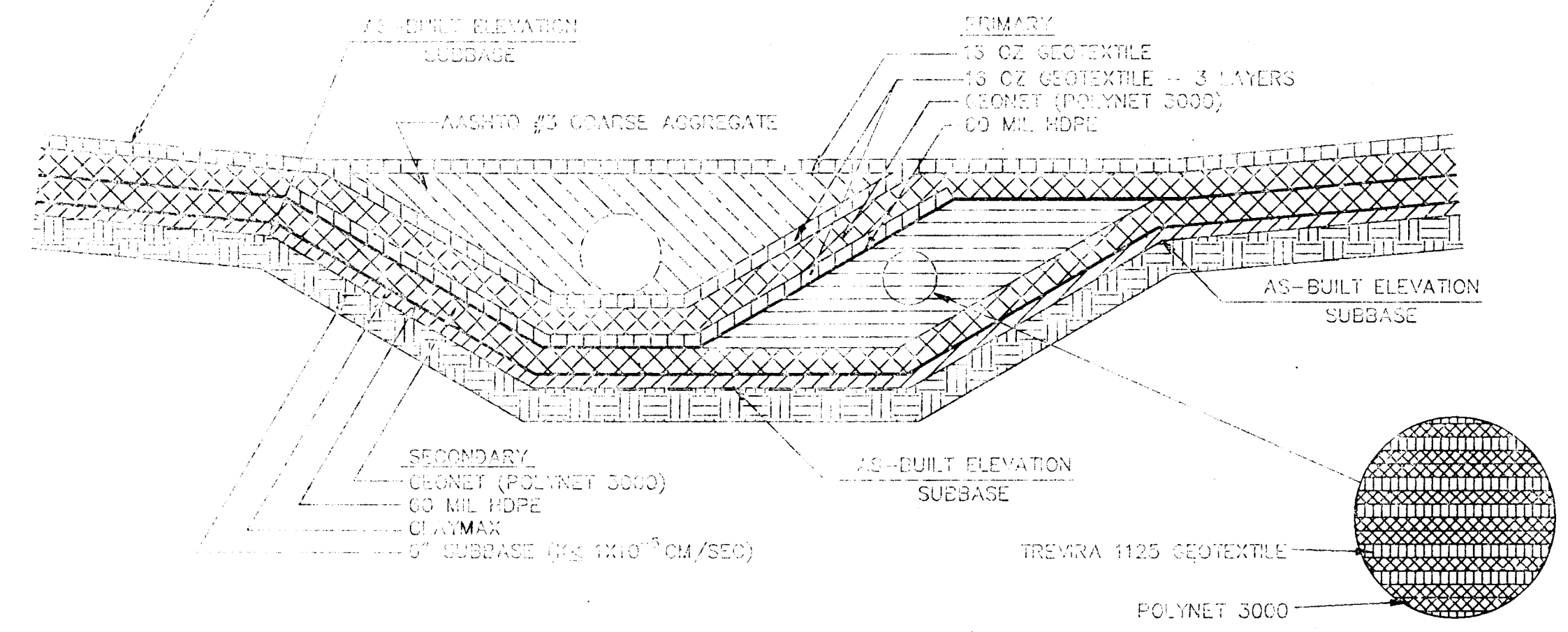
"AS-BUILT"

LINER SYSTEM AS-BUILT
FOR
TRAIL RIDGE LANDFILL
JACKSONVILLE, DUVAL COUNTY, FLORIDA



SUNSHINE STATE SURVEYORS, INC.
SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32245
(904) 642-6550

LEACHATE COLLECTION / DETECTION TRENCH DETAIL



"AS-BUILT" BY SUNSHINE STATE SURVEYORS, INC.

PHASE	DATE	LOCATION
I A	3-9-92	STA. 95+60.00 TO STA. 97+86.00 (NORTH) STA. 124+17.60 TO STA. 125+76.00 (EAST)
I A	3-14-92	STA. 95+60.00 TO STA. 99+10.00 (NORTH) STA. 114+00.00 TO STA. 117+00.00 (EAST)
I A	3-18-92	STA. 97+06.00 TO STA. 99+10.00 (NORTH) STA. 114+00.00 TO STA. 118+00.00 (EAST)
I A	3-20-92	STA. 97+05.00 TO STA. 99+10.00 (NORTH) STA. 119+00.00 (EAST)
I A	3-20-92	STA. 97+05.00 TO STA. 97+15.00 (NORTH) STA. 13+80.00 TO STA. 14+00.00 (EAST)
I A	3-21-92	STA. 97+05.00 TO STA. 99+10.00 (NORTH) STA. 120.00 (EAST)
I A	3-25-92	STA. 95+60.00 TO STA. 99+10.00 (NORTH) STA. 121+00.00 TO STA. 122+00.00 (EAST)
I A	3-25-92	STA. 96+95.00 TO STA. 25.00 (NORTH) STA. 125+00.00 TO STA. 125+50.00 (EAST)
I A	3-31-92	STA. 95+60.00 TO STA. 99+01.68 (NORTH) STA. 122+20.00 TO STA. 123+00.00 (EAST)
I A	4-1-92	STA. 95+60.00 TO STA. 98+59.00 (NORTH) STA. 123+20.00 TO STA. 124+00.00 (EAST)
I B	4-6-92	STA. 92+60.00 TO STA. 95+45.00 (NORTH) STA. 114+00.00 TO STA. 117+00.00 (EAST)
I B	4-10-92	STA. 92+60.00 TO STA. 95+45.00 (NORTH) STA. 118+00.00 TO STA. 122+00.00 (EAST)
I A & I B	4-23-92	STA. 92+60.00 TO STA. 98+00.00 (NORTH) STA. 124+00.00 TO STA. 126+15.00 (EAST)
I C	5-4-92	STA. 89+40.00 TO STA. 92+35.00 (NORTH) STA. 114+00.00 TO STA. 121+00.00 (EAST)
I C	5-6-92	STA. 89+40.00 TO STA. 92+35.00 (NORTH) STA. 122+00.00 TO STA. 123+00.00 (EAST)
I C	5-8-92	STA. 89+40.00 TO STA. 92+35.00 (NORTH) STA. 124+00.00 TO STA. 125+85.00 (EAST)
I A	5-8-92	STA. 95+53.00 TO STA. 99+31.00 (NORTH) STA. 114+00.00 TO STA. 124+00.00 (EAST)
I A	5-11-92	STA. 95+60.00 TO STA. 99+08.00 (NORTH) STA. 114+00.00 TO STA. 123+00.00 (EAST)

(CONTAINMENT AREA)

(CONTAINMENT AREA)

"AS-BUILT" BY SUNSHINE STATE SURVEYORS, INC.

PHASE	DATE	LOCATION
I C	5-11-92	STA. 89+40.00 TO STA. 92+35.00 (NORTH) STA. 125+90.00 TO STA. 126+15.00 (EAST)
II	5-9-92	STA. 95+60.00 TO STA. 99+10.00 (NORTH) STA. 100+90.90 TO STA. 103+00.00 (EAST)
II	5-20-92	STA. 95+60.00 TO STA. 99+10.00 (NORTH) STA. 104+00.00 TO STA. 106+00.00 (EAST)
II	5-27-92	STA. 95+60.00 TO STA. 99+10.00 (NORTH) STA. 109+00.00 TO STA. 110+00.00 (EAST)
II	5-28-92	STA. 95+60.00 TO STA. 99+10.00 (NORTH) STA. 111+00.00 (EAST)
II	6-2-92	STA. 92+60.00 TO STA. 95+40.00 (NORTH) STA. 100+85.00 TO STA. 103+00.00 (EAST)
I B	6-3-92	STA. 92+60.00 TO STA. 95+85.5 (NORTH) STA. 114+00.00 TO STA. 126+00.00 (EAST)
I B	6-11-92	STA. 92+60.00 TO STA. 95+60.00 (NORTH) STA. 125+50.00 TO STA. 126+27.70 (EAST)
I B	6-12-92	STA. 92+60.00 (NORTH) STA. 126+13.00 TO STA. 126+25.00 (EAST)
II A	6-12-92	STA. 97+06.00 TO STA. 97+14.00 (NORTH) STA. 106+00.00 TO STA. 111+00.00 (EAST)
I B	6-16-92	STA. 92+60.00 (NORTH) STA. 114+00.00 TO STA. 126+10.00 (EAST)
II B	6-17-92	STA. 92+60.00 (NORTH) STA. 104+00.00 TO STA. 106+00.00 (EAST)
II B	6-19-92	STA. 92+60.00 TO 95+35.00 (NORTH) STA. 107+00.00 TO 109+00.00 (EAST)
II B	6-13-92	STA. 94+10.00 (NORTH) STA. 101+03.00 TO 104+00.00 (EAST)
II B	7-9-92	STA. 89+06.00 TO STA. 92+60.00 (NORTH) STA. 126+03.00 TO STA. 126+31.00 (EAST)
II C	7-10-92	STA. 89+40.00 TO STA. 92+55.00 (NORTH) STA. 100+85.00 TO STA. 102+00 (EAST)
I A	7-13-92	STA. 97+85.00 TO STA. 98+60.00 (NORTH) STA. 124+83.00 TO STA. 124+87.00 (EAST)
II C	7-15-92	STA. 89+40.00 TO STA. 92+35.00 (NORTH) STA. 105+00.00 TO STA. 106+00.00 (EAST)
II B	7-17-92	STA. 92+60.00 TO STA. 94+06.00 (NORTH) STA. 112+00.00 TO STA. 114+00.00 (EAST)

(LEACHATE TRENCH)

(CONTAINMENT AREA)

"AS-BUILT" BY SUNSHINE STATE SURVEYORS, INC.

PHASE	DATE	LOCATION
I C	7-20-92	STA. 89+40.00 TO STA. 92+40.00 (NORTH) STA. 115+00.00 TO STA. 126+27.00 (EAST)
II C	7-24-92	STA. 89+40.00 TO STA. 92+40.00 (NORTH) STA. 107+00.00 TO STA. 109+00.00 (EAST)
I C	7-27-92	STA. 89+40.00 TO STA. 91+10.00 (NORTH) STA. 115+00.00 TO STA. 126+00.00 (EAST)
II B	8-13-92	STA. 94+06.00 TO STA. 94+10.00 (NORTH) STA. 111+40.00 TO STA. 112+60.00 (EAST)
II C	8-27-92	STA. 89+40.00 TO STA. 91+13.00 (NORTH) STA. 111+20.00 TO STA. 112+00.00 (EAST)
II C	9-1-92	STA. 89+00.00 TO STA. 91+00.00 (NORTH) STA. 113+00.00 TO 114+00.00 (EAST)
II C	9-2-92	STA. 91+00.00 TO STA. 92+60.00 (NORTH) STA. 112+00.00 TO STA. 113+80.00 (EAST)
II C	9-3-92	STA. 91+06.00 TO STA. 92+60.00 (NORTH) STA. 113+80.00 TO STA. 115+00.00 (EAST)
II C	9-15-92	STA. 95+60.00 TO STA. 99+08.00 (NORTH) STA. 99+91.00 TO STA. 107+00.00 (EAST)
II C	10-12-92	STA. 89+60.00 TO STA. 91+10.00 (NORTH) STA. 100+13.00 TO STA. 107+00.00 (EAST)
II C	10-28-92	STA. 95+00.00 TO STA. 99+10.00 (NORTH) STA. 112+00.00 STA. 113+00.00 (EAST)
II B	11-10-92	STA. 94+00.00 TO STA. 96+00.00 (NORTH) STA. 110+00.00 TO STA. 114+00.00 (EAST)
II A	11-18-92	STA. 95+00.00 TO STA. 97+00.00 (NORTH) STA. 110+00.00 TO STA. 114+00.00 (EAST)
II A	11-30-92	STA. 97+00.00 TO STA. 98+00.00 (NORTH) STA. 110+00.00 TO STA. 114+00.00 (EAST)
II ABC	12-23-92	STA. 89+00.00 TO STA. 98+00.00 (NORTH) STA. 101+00.00 TO STA. 114+00.00 (EAST)
II A	1-8-93	ODD FILL-IN TIE SHOTS
II A	1-19-93	STA. 99+00.00 TO STA. 99+127.00(NORTH) STA. 109+00.00 TO STA. 114+00.00 (EAST)

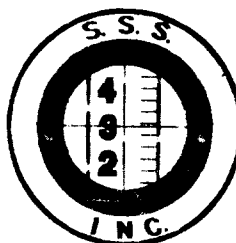
SHEET 4

- SEE FIELD BOOK 339, 359, 362, 363, 376, 383, 386 AND 389.
FOR FIELD DATA
- LAST DAY OF FIELD WAS 1-19-93
SEE FIELD BOOK 383 AND 386 FOR FIELD NOTES.

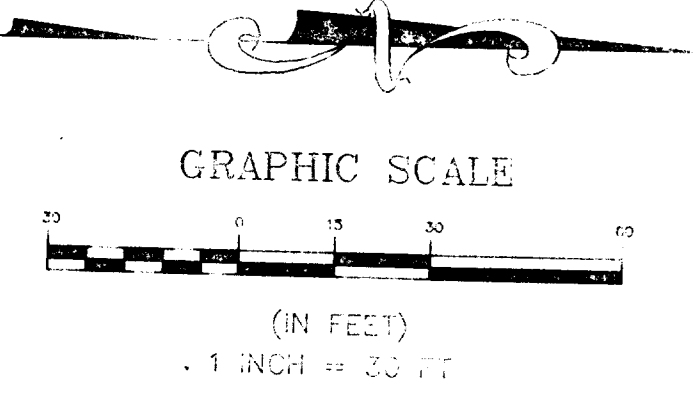
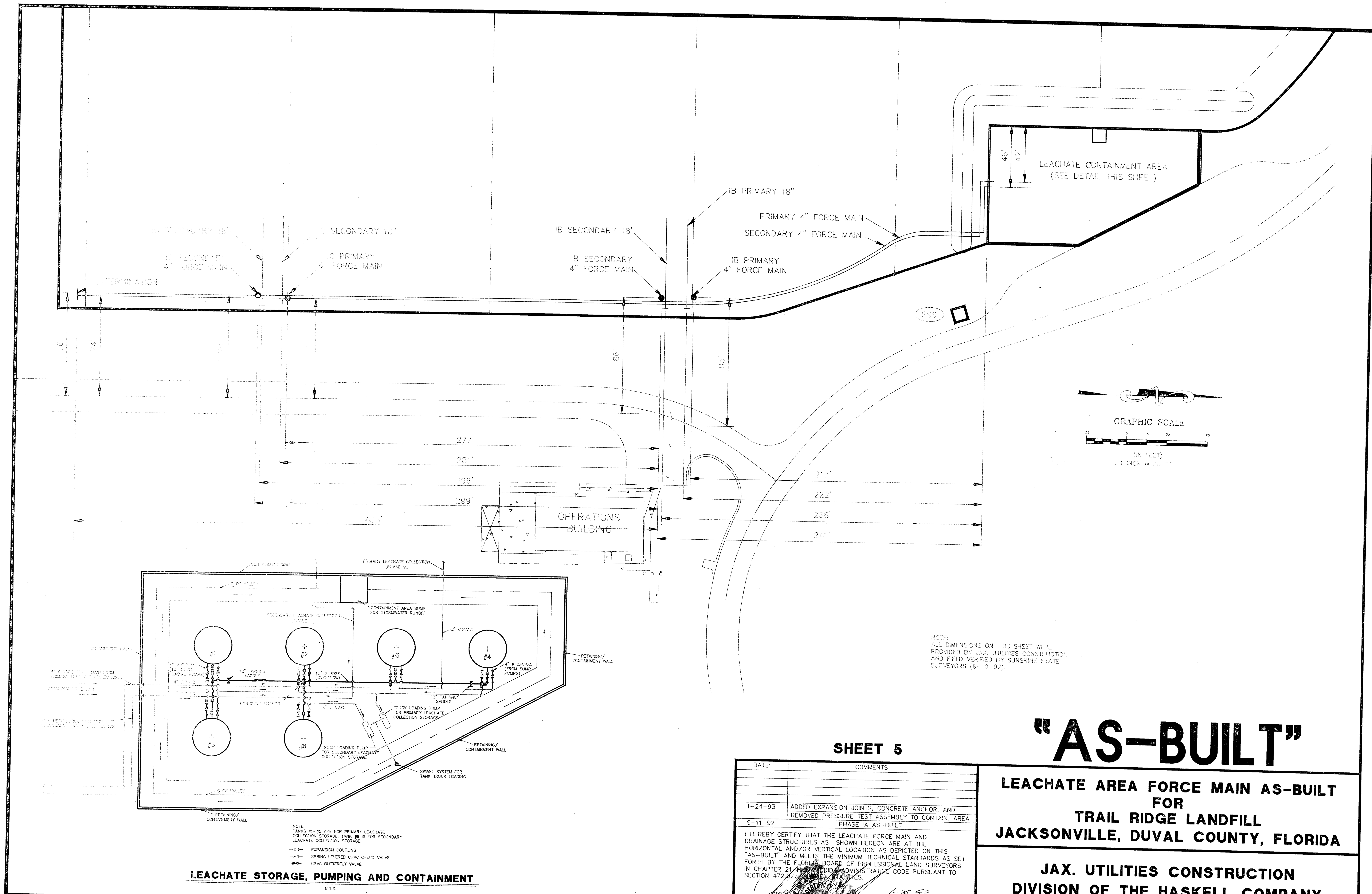
DATE	PHASE
5-12-92	IA
5-13-92	REVISED SPOT EL. OF TPS AT STA. 123+00 E AND STA. 99+02 N
6-12-92	IB
1-19-93	PHASE IC, IIA, IIB, IIC
I HEREBY CERTIFY THAT THE CLAY SUB-BASE, PROTECTIVE SAND, 36" HDPE FLAP, AND THE TOP OR CLAY BERM SHOWN HEREON ARE AT THE HORIZONTAL AND VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEET THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY CHAPTER 120, PART 1, OF THE FLORIDA STATUTES.	
ARTHUR A. MASTRONICOLA, P.E., REG. SURVEYOR NO. 4166	

"AS-BUILT"

LINER SYSTEM AS-BUILT
FOR
TRAIL RIDGE LANDFILL
JACKSONVILLE, DUVAL COUNTY, FLORIDA



SUNSHINE STATE SURVEYORS, INC.
SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32216
(904) 642-8550



NOTE:
ALL DIMENSIONS ON THIS SHEET WERE
PROVIDED BY JAX UTILITIES CONSTRUCTION
AND FIELD VERIFIED BY SUNSHINE STATE
SURVEYORS (9-10-92).

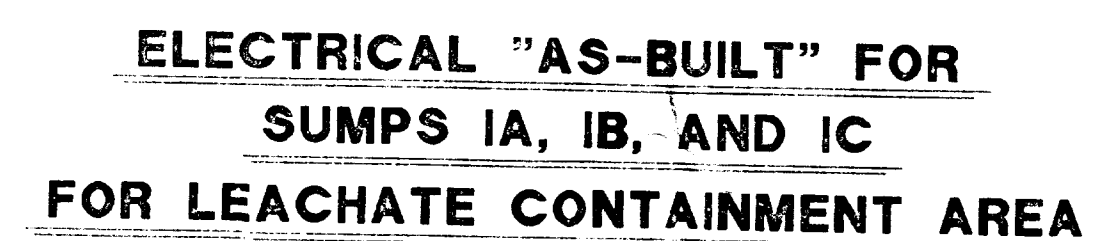
SHEET 5

"AS-BUILT"

LEACHATE AREA FORCE MAIN AS-BUILT
FOR
TRAIL RIDGE LANDFILL
JACKSONVILLE, DUVAL COUNTY, FLORIDA

JAX. UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY

DATE:	COMMENTS
1-24-93	ADDED EXPANSION JOINTS, CONCRETE ANCHOR, AND REMOVED PRESSURE TEST ASSEMBLY TO CONTAIN. AREA
9-11-92	PHASE 1A AS-BUILT
I HEREBY CERTIFY THAT THE LEACHATE FORCE MAIN AND DRAINAGE STRUCTURES AS SHOWN HEREON ARE AT THE HORIZONTAL AND/OR VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 21, HRS. 1000, ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027, FLA. STATUTES.	
ARTHUR A. [Signature] 1-28-93 FLA. REG. SURVEYOR NO. 4166	



N.T.S

NOTE:
ALL DIMENSIONS ON THIS SHEET WERE
PROVIDED BY JAX UTILITIES CONSTRUCTION
AND FIELD VERIFIED BY SUNSHINE STATE SURVEYORS.



• **1992**
• **1993**



N.Y.S.



N.T.S.

"AS-BUILT"

**LEACHATE AREA ELECTRICAL AS-BUILT
FOR
TRAIL RIDGE LANDFILL
JACKSONVILLE, DUVAL COUNTY, FLORIDA**

**JAX. UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY**

[illegible]

AS-BUILT STORM DRAINAGE DATA PHASE I & PHASE II

SEE SHEET 8, 9 & 10

STRUCTURE NO.	STRUCTURE DESCRIPTION	TOP ELEVATION		SLOT ELEVATION		INVERT ELEVATION		STATION	
		DESIGN	ASBUILT	DESIGN	ASBUILT	DESIGN	ASBUILT	DESIGN	ASBUILT
S 4	EXTEND PIPE THRU BERM	-	-	-	-	265.00 (18" W)	-	-	-
S 5	MOD. FDOT TYPE 'E' INLET (DETAIL A)	146.50	146.49	143.76 (S)	143.70	141.76 (18" E) 141.30 (42" W)	141.18 (42" CMP) 93+30.00 (N) 100+21.00 (E)	93+29.30 (N) 100+19.15 (E)	
S 6	CONST. MITERED END INTO CONC. PAVING	-	-	-	-	141.30 (42" E)	141.42 (42" CMP) 93+30.00 (N) 99+64.50 (E)	93+31.11 (N) 99+67.60 (E)	
S 7	FDOT TYPE 'E' INLET	145.09	145.09	142.35 (S)	142.32	139.85 (24" N)	139.84 (24" CMP) 99+27.82 (N) 100+21.00 (E)	99+29.09 (N) 100+21.45 (E)	
S 8	CONST. MITERED END INTO CONC. PAVING	-	-	-	-	139.85 (24" S)	139.85 (24" CMP) 100+31.00 (N) 100+21.00 (E)	100+18.28 (N) 100+21.21 (E)	
S 9	EXTEND PIPE THRU BERM	-	-	-	-	265.00 (18" N)	-	-	-
S 10	MOD. FDOT TYPE 'E' INLET (DETAIL A)	138.91	138.90	136.17 (W)	136.15	134.17 (18" S) 134.17 (42" N)	134.20 (42" CMP) 99+79.00 (N) 106+93.00 (E)	99+79.08 (N) 106+93.11 (E)	
S 11	CONST. MITERED END INTO CONC. PAVING	-	-	-	-	134.17 (42" S)	134.05 (42" CMP) 100+31.00 (N) 106+93.00 (E)	100+31.65 (N) 106+93.06 (E)	
S 12	EXTEND PIPE THRU BERM	-	-	-	-	265.00 (18" N)	-	-	-
S 13	MOD. FDOT TYPE 'E' INLET (DETAIL A)	134.91	134.89	132.17 (W)	132.14	130.17 (18" S) 130.17 (42" N)	130.21 (42" CMP) 99+79.00 (N) 111+63.50 (E)	99+79.30 (N) 111+62.70 (E)	
S 14	CONST. MITERED END INTO CONC. PAVING	-	-	-	-	130.17 (42" S)	130.19 (42" CMP) 100+31.00 (N) 111+63.50 (E)	100+32.00 (N) 111+63.10 (E)	
S 15	EXTEND PIPE THRU BERM	-	-	-	-	265.00 (18" N)	146.33 (30" ADS) (TEMP. END OF PIPE)	-	-
S 16	MOD. FDOT TYPE 'E' INLET (DETAIL A)	131.81	131.80	129.07 (W)	129.07	127.07 (18" S) 127.07 (42" N)	127.06 (42" CMP) 99+79.00 (N) 115+28.50 (E)	99+79.40 (N) 115+28.00 (E)	
S 17	CONST. MITERED END INTO CONC. PAVING	-	-	-	-	127.07 (42" S)	127.28 (42" CMP) 100+31.00 (N) 115+28.50 (E)	100+31.80 (N) 115+28.70 (E)	
S 18	EXTEND PIPE THRU BERM	-	-	-	-	265.00 (18" N)	141.28 (30" ADS) (TEMP. END OF PIPE)	-	-
S 19	MOD. FDOT TYPE 'E' INLET (DETAIL A)	126.23	126.05	123.49 (W)	123.35	121.49 (18" S) 121.49 (42" N)	121.35 (42" CMP) 99+79.00 (N) 120+32.00 (E)	99+78.80 (N) 120+31.50 (E)	
S 20	CONST. MITERED END INTO CONC. PAVING	-	-	-	-	121.49 (42" S)	121.39 (42" CMP) 100+31.00 (N) 120+32.00 (E)	100+31.30 (N) 120+32.30 (E)	
S 21	FDOT TYPE 'E' INLET	122.65	122.71	119.91 (NW)	119.98	115.45 (24" NE)	115.80 (24" CMP) 98+79.70 (N) 124+85.30 (E)	98+79.70 (N) 124+85.51 (E)	
S 22	CONST. MITERED END INTO CONC. PAVING	-	-	-	-	115.45 (24" SW)	115.47 (24" CMP) 99+21.80 (N) 125+23.60 (E)	99+22.82 (N) 125+24.00 (E)	
S 23	EXTEND PIPE THRU BERM	-	-	-	-	265.00 (18" E)	-	-	-
S 24	MOD. FDOT TYPE 'E' INLET (DETAIL B)	121.50	121.53	118.76 (S)	118.76	116.76 (18" W) 116.76 (42" E)	116.72 (42" RCP) 88+80.00 (N) 126+79.00 (E)	88+79.78 (N) 126+79.64 (E)	
S 25	FDOT TYPE 'E' INLET W/ TYPE J BOTTOM (ALTERNATE A)	121.50	121.37	117.75 (S)	118.66	116.76 (42" W) 113.76 (42" N)	113.42 (42" RCP) 88+80.00 (N) 127+31.01 (E)	88+82.34 (N) 127+31.01 (E)	
S 73	CONCRETE ENDWALL DOUBLE 48" R.C.P.	-	-	-	-	118.00 (DBL 48" E)	117.57 (N&S) (48" RCP) 100+28.75 (N) 123+23.00 (E)	100+29.40 (N) 123+22.80 (E)	
S 74	CONCRETE ENDWALL DOUBLE 48" R.C.P.	-	-	-	-	117.16 (DBL 48" W)	117.05 (48" RCP) 100+08.40 (N) 123+90.00 (E)	100+08.90 (N) 123+90.00 (E)	
S 75	INLET STRUCTURE	115.70	116.58	110.70 (NW)	111.31	104.13 (60" S)	95+65.00 (N) 127+24.20 (E)	95+64.03 (N) 127+21.71 (E)	
S 77	CONCRETE ENDWALL DOUBLE 48" C.M.P.	-	-	-	-	106.40 (DBL 48" E)	106.58 (48" RCP) 106.84 (48" RCP) 106+07.75 (N) 123+36.60 (E)	106+08.70 (N) 123+37.90 (E)	
S 78	CONCRETE ENDWALL DOUBLE 48" C.M.P.	-	-	-	-	105.48 (DBL 48" W)	105.55 (48" RCP) 105.61 (48" RCP) 106+13.60 (N) 124+00.35 (E)	106+14.10 (N) 124+00.40 (E)	
S 83	FDOT TYPE 'E' INLET	121.50	121.46	118.76 (S)	118.63	116.76 (24" E)	116.77 (24" RCP) 91+00.00 (N) 126+79.00 (E)	90+99.53 (N) 126+78.16 (E)	
S 84	FDOT TYPE 'E' INLET W/ TYPE J BOTTOM (ALTERNATE A)	121.50	121.48	117.75 (S)	118.69	116.76 (24" W) 111.56 (42" S) 111.06 (48" N)	116.74 (24" RCP) 91+00.00 (N) 127+32.50 (E)	91+04.04 (N) 127+38.68 (E)	
S 85	FDOT TYPE 'E' INLET	121.50	121.52	118.76 (N)	118.77	116.76 (24" E)	116.90 (24" RCP) 92+47.60 (N) 126+79.00 (E)	92+47.93 (N) 126+78.45 (E)	
S 86	JUNCTION BOX	121.50	121.62	117.75 (S)	117.87	100.35 (60" N) 100.35 (60" SE) 116.76 (24" W) 109.01 (48" S)	100.14N(60"RCP) 100.18S(60" RCP) 110.90 (24" RCP) 108.97 (48" RCP)	92+47.60 (N) 127+30.36 (E)	
S 87	FDOT TYPE 'E' INLET	116.65	116.86	115.90 (N) 115.90 (S)	116.13 116.11	114.44 (15" E)	114.65 (15" RCP) 102+90.60 (N) 123+63.80 (E)	102+90.80 (N) 123+65.90 (E)	
S 88	FDOT TYPE 'E' INLET	116.65	116.78	115.90 (N) 115.90 (S)	116.12 116.06	114.16 (15" W) 114.16 (15" NE)	114.52 (15" RCP) 102+89.40 (N) 123+97.80 (E)	102+89.90 (N) 123+99.90 (E)	
S 89	FDOT TYPE 'E' INLET	114.65	114.63	113.90 (N) 113.90 (S)	113.91 113.88	112.96 (15" NE)	112.80 (15" CMP) 108+61.60 (N) 123+12.50 (E)		
S 90	FDOT TYPE 'E' INLET	114.65	114.69	113.90 (N) 113.90 (S)	114.00 113.94	112.68 (15" SW) 112.68 (15" N)	112.65 (15" CMP) 108+78.20 (N) 123+42.10 (E)		
S 91	CONST. MITERED END INTO CONC. PAVING	-	-	-	-	111.77 (15" S)	-	-	-
S 92	4:1 MITERED END SECTION	-	110.90	-	-	105.49 (TRIP. 54" NE)	105.40N(54"RCP) 105.41C(54"RCP) 105.28S(54"RCP)	86+24.40 (N) 137+23.45 (E)	86+22.60 (N) 137+21.90 (E)
S 93	4:1 MITERED END SECTION	-	110.95	-	-	105.49 (TRIP. 54" SW)	105.44N(54"RCP) 105.42C(54"RCP) 105.50S(54"RCP)	86+68.20 (N) 137+67.35 (E)	86+68.50 (N) 137+67.40 (E)
S 94	4:1 MITERED END SECTION	-	116.09	-	-	114.00 (15" SW)	113.86 (15" RCP) 102+99.40 (N) 124+15.10 (E)	102+99.00 (N) 124+16.60 (E)	
S 95	FDOT TYPE 'E' INLET	116.00	116.32	114.70 (W)	115.00	111.50 (15" E)	111.66 (15" RCP) 103+95.00 (N) 127+25.00 (E)	103+94.60 (N) 127+26.10 (E)	
S 98	MITERED END SECTION	-	-	-	-	129.00 (36" E)	129.11 (36" CMP) 96+09.00 (N) 125+76.00 (E)	96+09.10 (N) 125+84.83 (E)	
S 99	FDOT TYPE 'E' INLET	120.00	119.99	-	-	113.67 (36" NE & NW)	113.64 (36" CMP) 96+09.00 (N) 126+28.80 (E)	96+08.59 (N) 126+28.79 (E)	
S 100	MITERED END SECTION	-	-	-	-	111.5 (36" SW)	112.33 (36" CMP) 96+30.00 (N) 126+90.10 (E)	96+31.12 (N) 126+91.44 (E)	
S 101	4:1 MITERED END SECTION	-	113.51	-	-	111.00 (15" W)	111.11 (15" RCP) 103+85.00 (N) 127+63.70 (E)	103+85.00 (N) 127+63.90 (E)	
S 102	4:1 MITERED END SECTION	-	103.56	-	-	97.55 (60" RCP)	97.37 (60" RCP) 91+29.00 (N) 128+62.00 (E)	91+34.20 (N) 128+63.30 (E)	
S 104	TYPE 'E' INLET	124.15	124.12	-	-	117.15	117.18 (4" PVC) 97+09.81 (N) 125+92.22 (E)		

AS-BUILT SPREADER PIPE DATA SEE SHEET 9

8" X 2" SADDLE	STATION	DEPTH
SP-1	91+26.21(N)	129+62.18(E) (2.8' BELOW GROUND)
SP-2	90+27.93(N)	129+96.07(E) (2.7' BELOW GROUND)
SP-3	89+31.29(N)	130+07.89(E) (2.6' BELOW GROUND)
SP-4	88+57.76(N)	130+75.70(E) (3.2' BELOW GROUND)
SP-5	88+05.26(N)	131+70.76(E) (2.8' BELOW GROUND)
SP-6	88+05.52(N)	132+62.81(E) (3.0' BELOW GROUND)
SP-7	87+29.09(N)	133+36.52(E) (2.5' BELOW GROUND)
SP-8	85+47.29(N)	137+59.12(E) (2.0' BELOW GROUND)
SP-9	84+52.99(N)	137+73.97(E) (2.7' BELOW GROUND)
SP-10	83+44.94(N)	136+98.14(E) (3.4' BELOW GROUND)
SP-11	82+57.76(N)	136+55.08(E) (3.5' BELOW GROUND)
SP-12	82+23.42(N)	136+25.75(E) (3.8' BELOW GROUND)
SP-13	82+24.12(N)	135+23.08(E) (2.9' BELOW GROUND)
SP-14	82+41.02(N)	134+13.30(E) (3.5' BELOW GROUND)
SP-15	82+55.77(N)	133+23.12(E) (3.0' BELOW GROUND)
SP-16	82+70.27(N)	132+37.86(E) (3.1' BELOW GROUND)
SP-17	82+56.89(N)	131+31.74(E) (2.5' BELOW GROUND)
SP-18	82+19.35(N)	130+39.40(E) (2.5' BELOW GROUND)
SP-19	81+78.85(N)	129+54.12(E) (2.8' BELOW GROUND)
SP-20	81+79.04(N)	128+51.85(E) (3.0' BELOW GROUND)

AS-BUILT STORM DRAINAGE DATA ANCILLARY AREA SEE SHEET 11 & 12

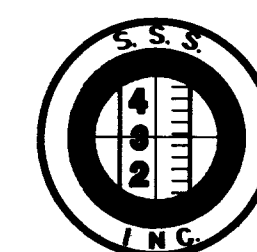
STRUCTURE NO.	STRUCTURE DESCRIPTION	TOP ELEVATION		SLOT ELEVATION		INVERT ELEVATION		STATION	
		DESIGN	ASBUILT	DESIGN	ASBUILT	DESIGN	ASBUILT	DESIGN	ASBUILT
AS-1	E DITCH BOTTOM	99.50	99.55	98.50 (W)	98.53	95.50	95.51 (36" RCP)	-	97+57.76 (N) 143+26.88 (E)
AS-2	U TYPE ENDWALL	-	-	-	-	95.40	95.64 (36" RCP)	-	98+32.03 (N) 143+38.39 (E)
AS-3	E DITCH BOTTOM INLET	100.50	100.55	100.00 (E) 100.00 (W)	100.06 (E) 100.00 (W)	97.50 (E) 98.00 (W)	97.47 (18" RCP) 97.93 (18" RCP)	-	97+52.26 (N) 140+32.55 (E)
AS-4	E DITCH BOTTOM INLET	100.50	99.97	100.00 (E) 100.00 (W)	99.50 (E) 97.10 (W)	96.60 (E) 97.11 (W)	96.64 (24" RCP) 97.11 (18" RCP)	-	97+96.78 (N) 140+32.55 (E)
AS-5	U TYPE ENDWALL	-	-	-	-	95.00	94.95 (24" RCP)	-	99+32.91 (N) 142+68.04 (E)
AS-6	C DITCH BOTTOM INLET	111.00	111.07	110.00 (W)	110.05 (W)	106.75	106.86 (15" RCP)	-	94+78.16 (N) 131+51.26 (E)
AS-7	C INLET	112.50	112.47	-	-	106.55 (N) 106.30 (S)	106.59 (15" RCP) 106.55 (18" RCP)	-	94+12.70 (N) 131+71.35 (E)
AS-8	C INLET	113.75	113.99	-	-	106.05 (N) 106.05 (W)	106.54 (18" RCP) 106.24 (18" RCP)	-	93+07.04 (N) 132+29.46 (E)
AS-9	U TYPE ENDWALL	-	-	-	-	103.00	103.34 (18" RCP)	-	91+60.84 (N) 128+83.48 (E)
AS-10	C INLET	107.20	107.25	106.70 (W)	106.80 (W)	104.75	104.58 (15" RCP)	-	95+47.34 (N) 133+09.26 (E)
AS-11	U TYPE ENDWALL	-	-	-	-	104.55	104.62 (15" RCP)	-	95+79.51 (N) 133+82.24 (E)
AS-12	STRAIGHT ENDWALL	-	-	-	-	94.10	-	-	97+47.30 (N) 144+18.88 (E)
AS-13	STRAIGHT ENDWALL	-	-	-	-	94.00	-	-	97+99.11 (N) 144+27.33 (E)
AS-14	C INLET	102.50	102.52	101.50	101.54	100.40	100.41 (18" RCP)	-	97+17.23 (N) 136+52.18 (E)
AS-15	U TYPE ENDWALL	-	-	-	-	100.25	100.09 (36" RCP)	-	96+07.73 (N) 136+82.06 (E)
AS-16	CURB INLET	102.75	GRATE NOT IN PLACE	-	-	97.75 (W) 97.75 (E)	98.05 (36" RCP) 98.03 (36" RCP)	-	96+36.08 (N) 137+95.70 (E)
AS-17	E DITCH BOTTOM INLET	100.50	100.49	-	-	96.25 (W) 96.25 (E) 97.00 (S)	96.22 (36" RCP) 96.17 (36" RCP) 96.88 (15" RCP)	-	96+60.86 (N) 139+78.15 (E)
AS-18	C INLET	100.75	100.70	100.00 (N)	99.93 (N)	95.75 (W) 95.75 (E)	95.67 (36" RCP) 95.65 (36" RCP)	-	97+41.87 (N) 141+99.27 (E)
AS-19	U TYPE ENDWALL	-	-	-	-	99.50	99.34	-	96+11.55 (N) 139+70.76 (E)

SHEET 7

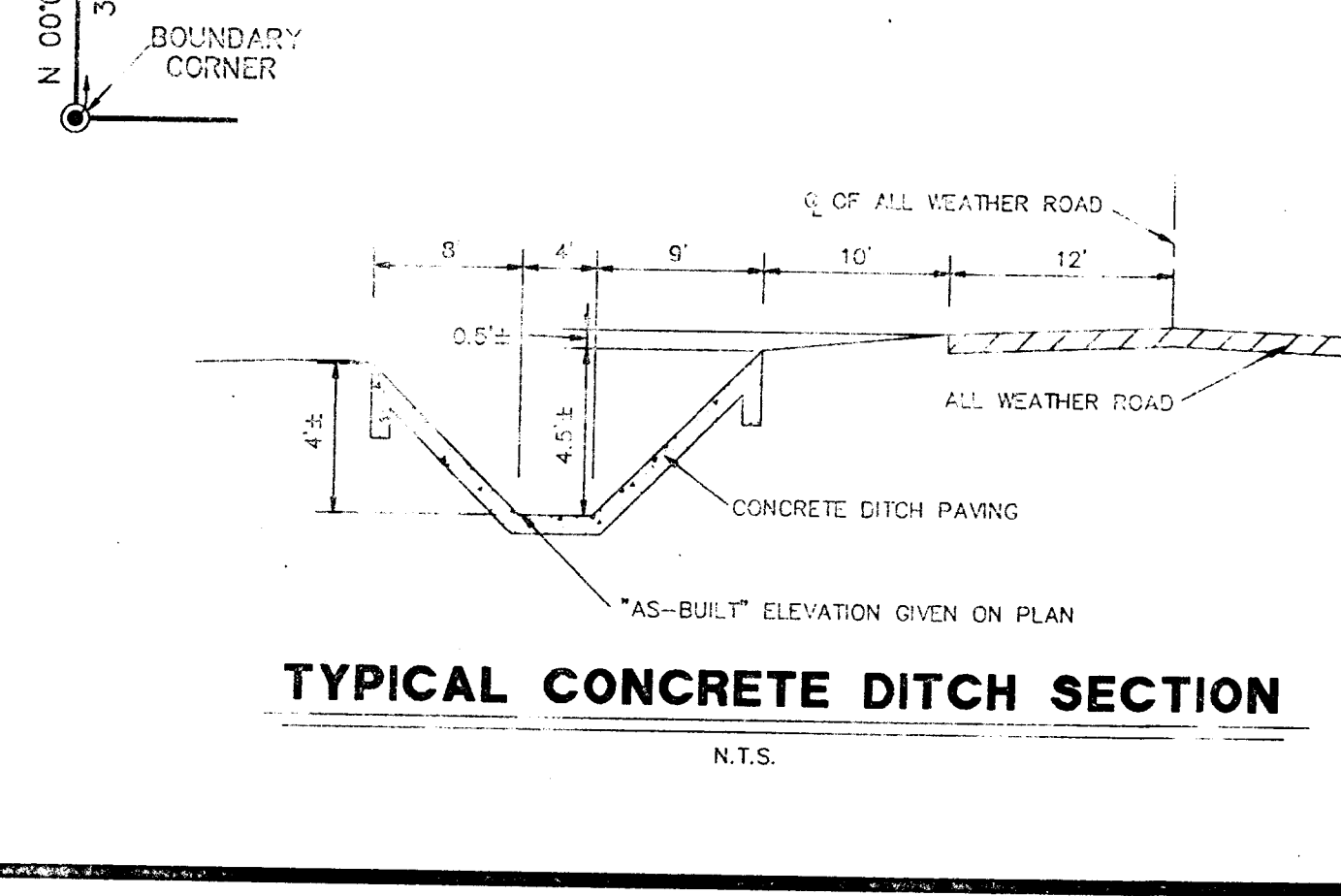
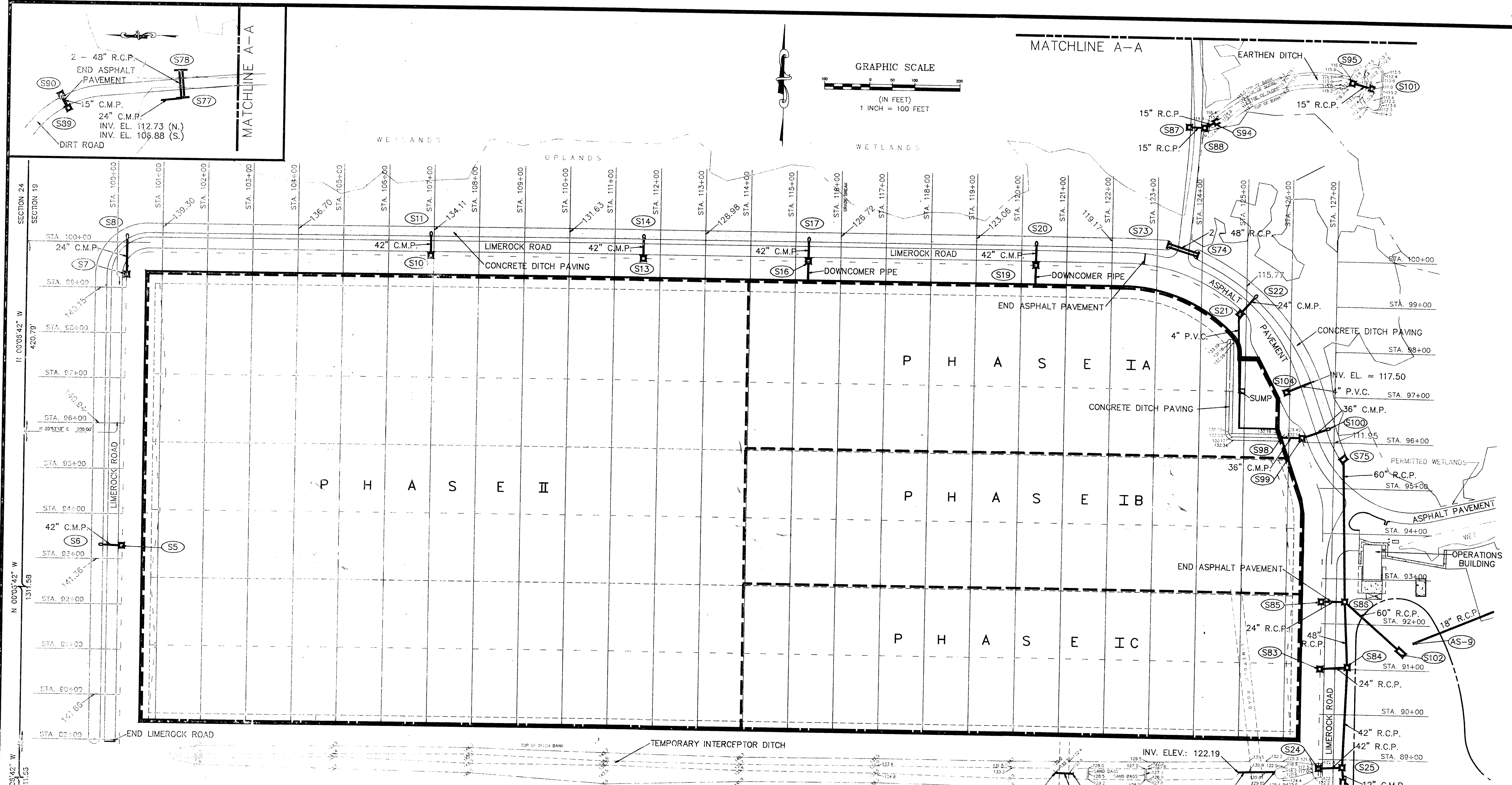
DATE:	COMMENTS
10-30-92	REVISED TO SHOW AS-15 THROUGH AS-19
9-11-92	PHASE IA AS-BUILT
I HEREBY CERTIFY THAT THE DATA FOR THE STRUCTURES AS SHOWN HEREON ARE AT THE HORIZONTAL AND/OR VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 21-116 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027, FLORIDA STATUTES.	
ARTHUR A. MASTRONI SURVEYOR NO. 4166	

"AS-BUILT"

**DRAINAGE STRUCTURE AND SPREADER PIPE
DATA SHEET
FOR TRAIL RIDGE LANDFILL
JACKSONVILLE, DUVAL COUNTY, FLORIDA**



SUNSHINE STATE SURVEYORS, INC.
SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32216
(904) 642-8550



"AS-BUILT"

SHEET 8

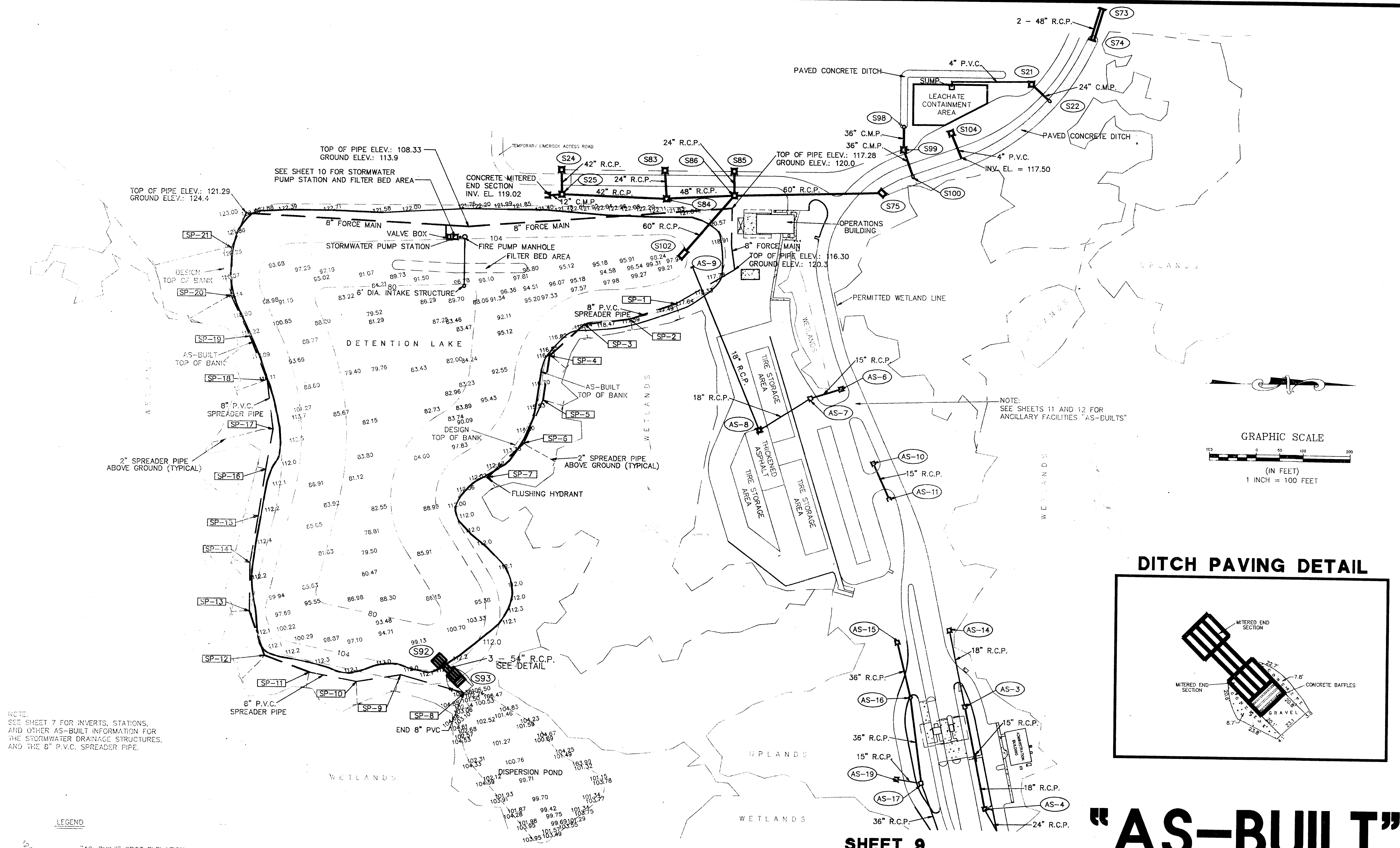
NOTE:
SEE SHEET 7 FOR INVERTS, STATIONS,
AND OTHER AS-BUILT INFORMATION FOR
THE STORMWATER DRAINAGE STRUCTURES.

- LEGEND**
- 144.66 --- "AS-BUILT" SPOT ELEVATION
 - PHASE LINE ---
 - EDGE OF LINER ---
 - Q OF VALLEY ---
 - Q OF RIDGE ---
 - Q OF DITCH ---
 - "AS-BUILT" STORM STRUCTURE WITH PIPES ---
 - "AS-BUILT" MITERED END SECTION WITH STORM PIPES ---
 - (S17) STRUCTURE NUMBER

DATE:	COMMENTS
1-12-93	RESHOT N.W. CONCRETE DITCH PAVING ELEVATIONS DUE TO CONCRETE DITCH REPLACEMENT
9-11-92	PHASE I & AS-BUILT
I HEREBY CERTIFY THAT THE CONCRETE DITCH PAVING, EARTHEN DITCH, DETENTION POND, AND DRAINAGE STRUCTURES AS SHOWN HEREON ARE AT THE HORIZONTAL AND/OR VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 214-HRS FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.027 FLORIDA STATUTES. ARTHUR A. MASTRONICOLA JR. LICENSE NO. 4166	

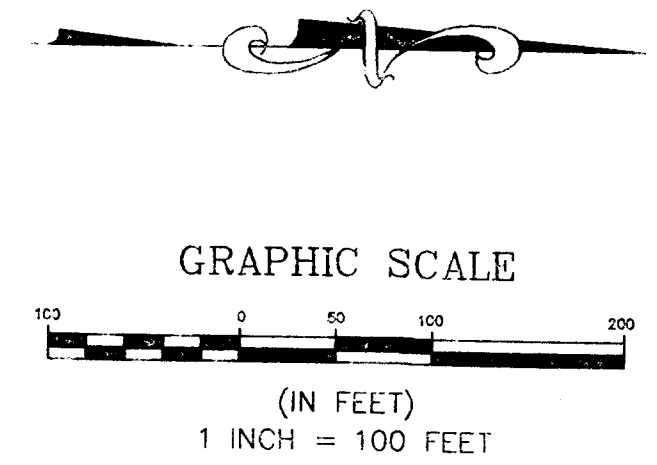
**DRAINAGE STRUCTURE AS-BUILT
PHASE I AND PHASE II
FOR TRAIL RIDGE LANDFILL
JACKSONVILLE, DUVAL COUNTY, FLORIDA**

SUNSHINE STATE SURVEYORS, INC.
SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32246
(904) 642-8550

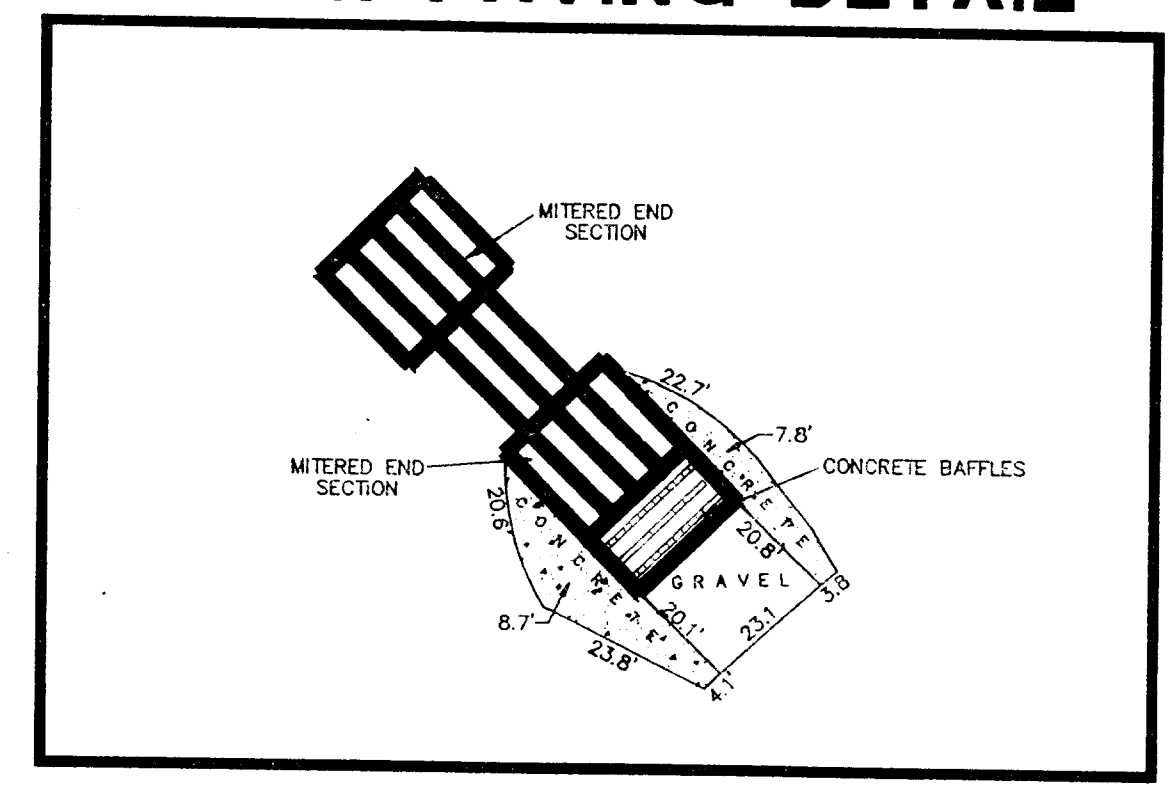


NOTE:
SEE SHEET 7 FOR INVERTS, STATIONS,
AND OTHER AS-BUILT INFORMATION FOR
THE STORMWATER DRAINAGE STRUCTURES,
AND THE 8" P.V.C. SPREADER PIPE.

- LEGEND**
- 121.40
120.00
"AS-BUILT" SPOT ELEVATION
 - DESIGN CONTOUR
 - "AS-BUILT" TOP OF BANK
 - STRUCTURE NUMBER
 - "AS-BUILT" STORM INLET WITH PIPES
 - "AS-BUILT" STORM CULVERT
 - SPREADER PIPE NUMBER
 - "AS-BUILT" 8" P.V.C. SPREADER PIPE



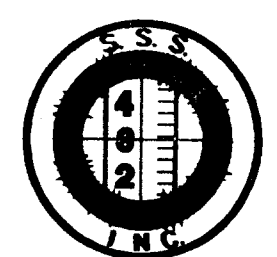
DITCH PAVING DETAIL



SHEET 9

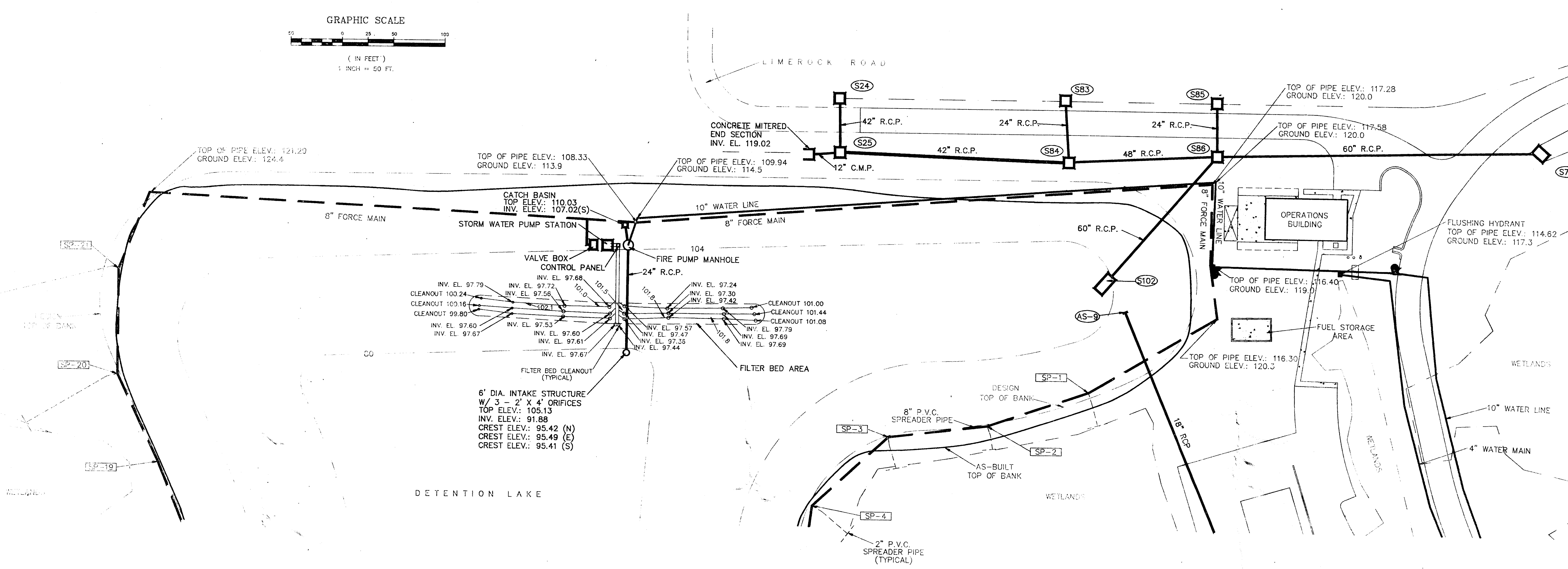
"AS-BUILT"

**DETENTION LAKE AS-BUILT
FOR
TRAIL RIDGE LANDFILL
JACKSONVILLE, DUVAL COUNTY, FLORIDA**



SUNSHINE STATE SURVEYORS, INC.
SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32246
(904) 642-8550

DATE:	COMMENTS:
1-26-93	REVISED TO ADD TIRE STORAGE AREA, BYPASS ROAD AND OPERATIONS BUILDING AS-BUILTS.
12-12-92	REVISE AS-BUILT TOPO ALONG EAST END OF POND
11-24-92	DITCH PAVING AS-BUILT
9-11-92	PHASE I AS-BUILT
I HEREBY CERTIFY THAT THE DETENTION POND, DISPERSION POND, AND DRAINAGE STRUCTURES AS SHOWN HEREON ARE AT THE HORIZONTAL AND/OR VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 22, H.B. FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.02, FLORIDA STATUTES.	
ARTHUR A. MASTRONICOLA, JR. F.S.S. NO. 4166	



LEGEND
NOTES: 1. ALL DIMENSIONS ARE IN FEET AND INCHES. 2. ALL DIMENSIONS ARE TO FACE UNLESS OTHERWISE NOTED. 3. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED. 4. ALL DIMENSIONS ARE TO CENTERLINE UNLESS OTHERWISE NOTED.

124.0
 100.0

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(S93)

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SP-13

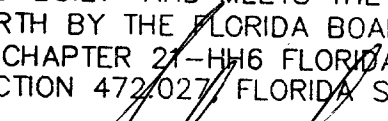
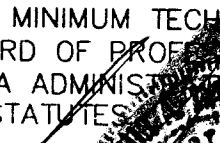
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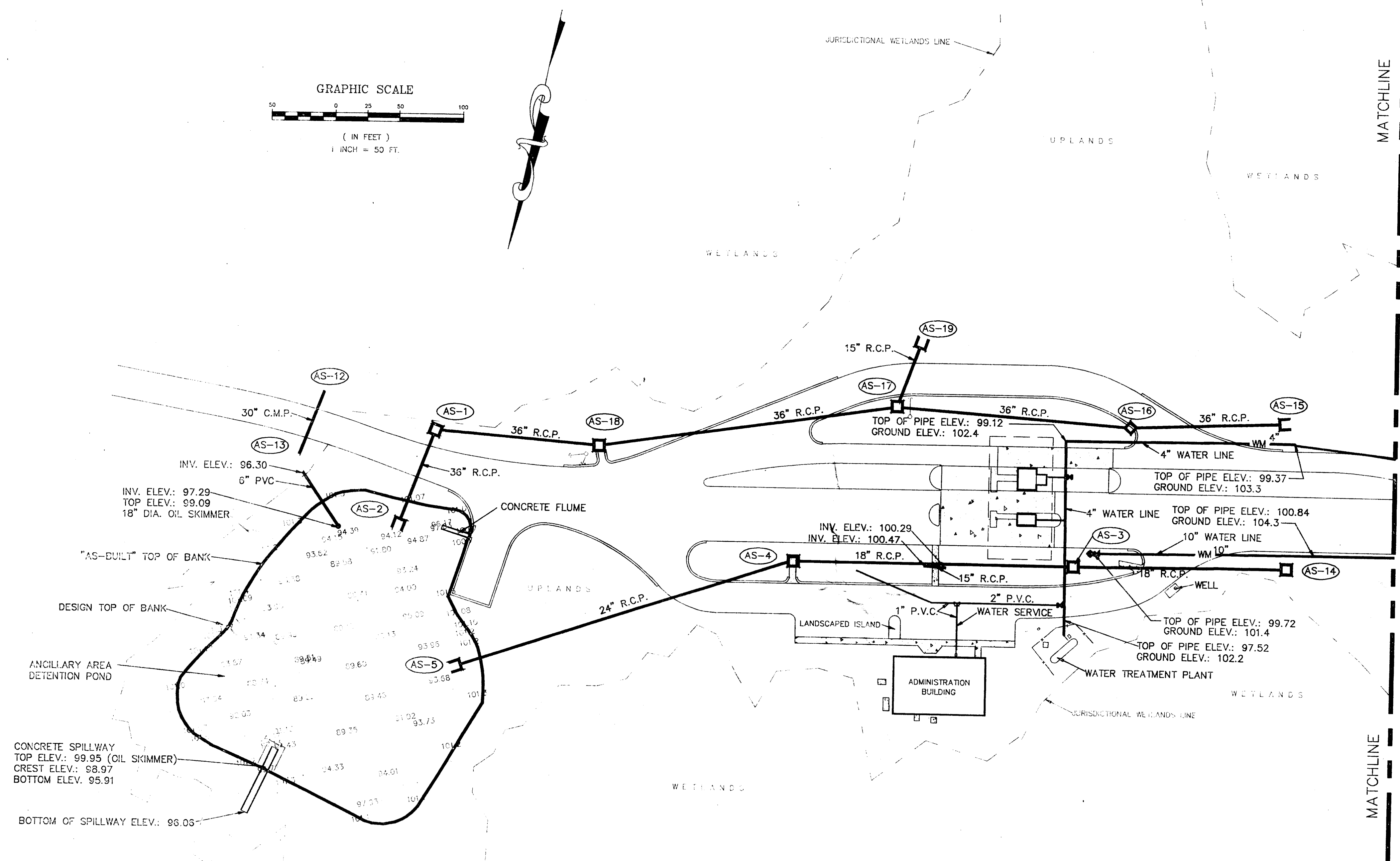
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"AS-BUILT" SPOT ELEVATION
 DESIGN CONTOUR
 "AS-BUILT" TOP OF BANK
 STRUCTURE NUMBER
 "AS-BUILT" STORM INLET WITH PIPES
 "AS-BUILT" STORM CULVERT
 SPREADER PIPE NUMBER
 "AS-BUILT" 8" P.V.C. SPREADER PIPE

NOTE:
SEE SHEET 7 FOR INVERTS, STATIONS,
AND OTHER AS-BUILT INFORMATION FOR
THE STORMWATER DRAINAGE STRUCTURES,
AND THE 8" P.V.C. SPREADER PIPE.

SUNSHINE STATE SURVEYORS, INC.
SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32246
(904) 642-8550

DATE:	COMMENTS:
1-26-93	REVISED TO SHOW OPERATIONS BUILDING AS-BUILT
9-11-92	PHASE I/A AS-BUILT
I HEREBY CERTIFY THAT THE FILTER BED, PUMP STATION, AND DRAINAGE STRUCTURES AS SHOWN HEREON ARE AT THE HORIZONTAL AND/OR VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 27-HW6 FLORIDA ADMINISTRATIVE CODE PURSUANT TO SECTION 472.0027, FLORIDA STATUTES.   <u>ARTHUR A. MASTROIICOLA</u> <u>PROFESSIONAL ENGINEER NO. 4166</u>	



LEGEND

- STRUCTURE NUMBER
- "AS-BUILT" STORM INLET WITH PIPES
- "AS-BUILT" STORM CULVERT
- "AS-BUILT" FIRE HYDRANT WITH GATE VALVE
- "AS-BUILT" MITERED END SECTION WITH STORM PIPE
- "AS-BUILT" 10" WATER MAIN
- "AS-BUILT" 8" FORCE MAIN

NOTE:
SEE SHEET 7 FOR INVERTS, STATIONS,
AND OTHER AS-BUILT INFORMATION FOR
THE STORMWATER DRAINAGE STRUCTURES.

SHEET 11

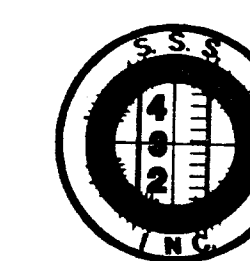
DATE:	COMMENTS
1-24-93	REVISED TO SHOW BYPASS ROAD AND TO SHOW ADMINISTRATION BUILDING AS-BUILT.
12-14-92	REVISED TO SHOW NEW AS-BUILT TOPO OF POND
10-30-92	REVISED TO SHOW AS-15 THROUGH AS-19
9-11-92	PHASE 1A AS-BUILT

I HEREBY CERTIFY THAT THE ANCILLARY POND, DRAINAGE STRUCTURES, AND WATER LINES AS SHOWN HEREON ARE AT THE HORIZONTAL AND/OR VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL SURVEYORS IN CHAPTER 21-HB FLORIDA ADMINISTRATIVE CODE AS SUANT TO SECTION 472.027, FLORIDA STATUTES.

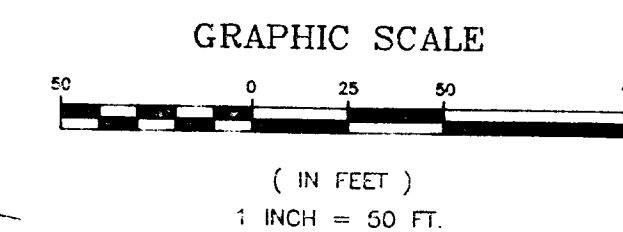
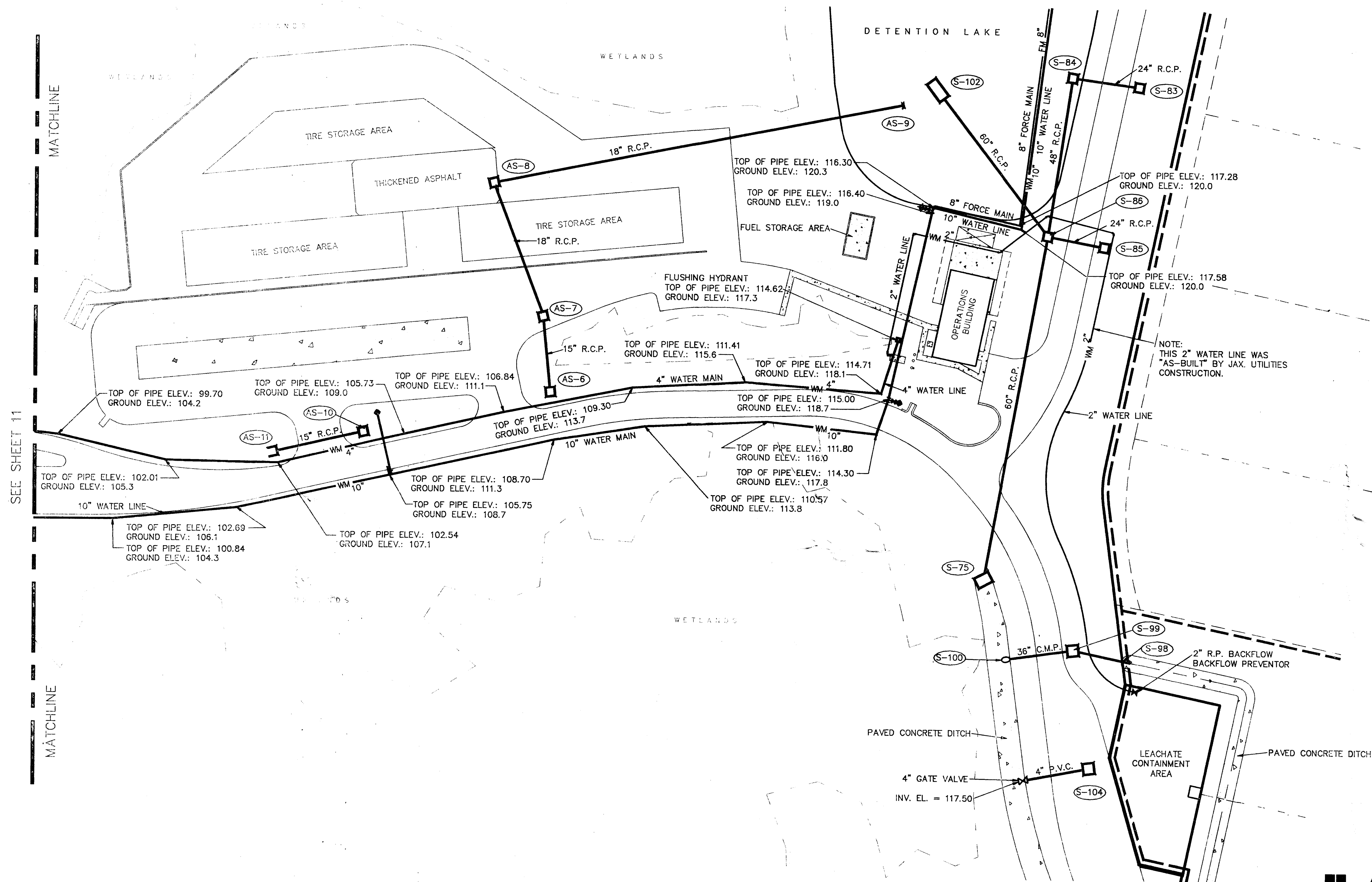
ARTHUR A. MASTRONICOLA JR. 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32246 (904) 642-8550

"AS-BUILT"

ANCILLARY FACILITIES FORCE MAIN, WATER MAIN, AND DRAINAGE STRUCTURE AS-BUILT FOR TRAIL RIDGE LANDFILL JACKSONVILLE, DUVAL COUNTY, FLORIDA



SUNSHINE STATE SURVEYORS, INC.
SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32246
(904) 642-8550



SEE SHEET 11

MATCHLINE

MATCHLINE

LEGEND

- (S93) STRUCTURE NUMBER
- AS-BUILT STORM INLET WITH PIPES
- AS-BUILT STORM CULVERT
- AS-BUILT FIRE HYDRANT WITH GATE VALVE
- AS-BUILT MITERED END SECTION WITH STORM PIPE
- WM 10" AS-BUILT 10" WATER MAIN
- FM 8" AS-BUILT 8" FORCE MAIN

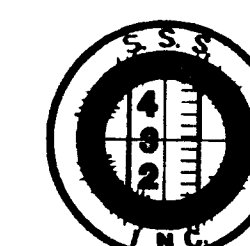
NOTES:

1. SEE SHEET 7 FOR INVERTS, STATIONS, AND OTHER AS-BUILT INFORMATION FOR THE STORMWATER DRAINAGE STRUCTURES.
2. 2" WATER LINE SHOWN ON THIS PLAN WAS LOCATED BY JAX UTILITIES CONSTRUCTION

SHEET 12

"AS-BUILT"

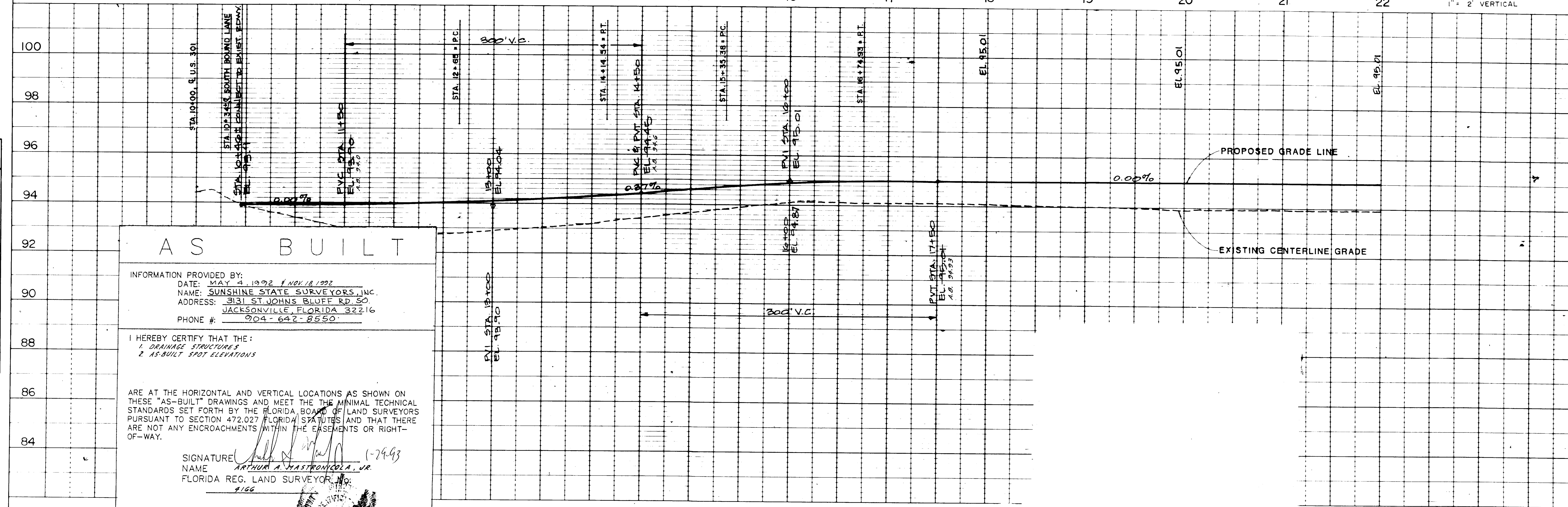
ANCILLARY FACILITIES FORCE MAIN, WATER MAIN, AND DRAINAGE STRUCTURE AS-BUILT FOR TRAIL RIDGE LANDFILL JACKSONVILLE, DUVAL COUNTY, FLORIDA



SUNSHINE STATE SURVEYORS, INC.
SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32246
(904) 642-8550

DATE:	COMMENTS
1-24-93	REVISED TO SHOW TIRE STORAGE AREA AND TO ADD ADMINISTRATION BUILDING AS-BUILT.
9-11-92	PHASE 1A AS-BUILT
I HEREBY CERTIFY THAT THE WATER MAINS, FORCE MAINS, AND DRAINAGE STRUCTURES AS SHOWN HEREON ARE AT THE HORIZONTAL AND/OR VERTICAL LOCATION AS DEPICTED ON THIS "AS-BUILT" AND MEETS THE MINIMUM TECHNICAL STANDARDS AS SET FORTH BY THE FLORIDA BOARD OF PROFESSIONAL LAND SURVEYORS IN CHAPTER 29-H166 FLORIDA ADMINISTRATIVE CODE, SUBJECT TO SECTION 472.027, FLORIDA STATUTES.	
ARTHUR A. MASTRONICOLA, JR., FLA. REG. NO. 10000	

PROFILE		BY	DATE
SURVEYED			
P LOTTED			
GRADE CHECKED			
B M S NOTED			
STRUCTURE NOTATIONS CHECKED			



13

FILE No. 92D-5190

PLAN	SURVEYED	DATE
	NOTED	BY
	ADJUSTED	
	REMARKS	

PROFILE	SURVEYED	DATE
	NOTED	BY
	ADJUSTED	
	REMARKS	

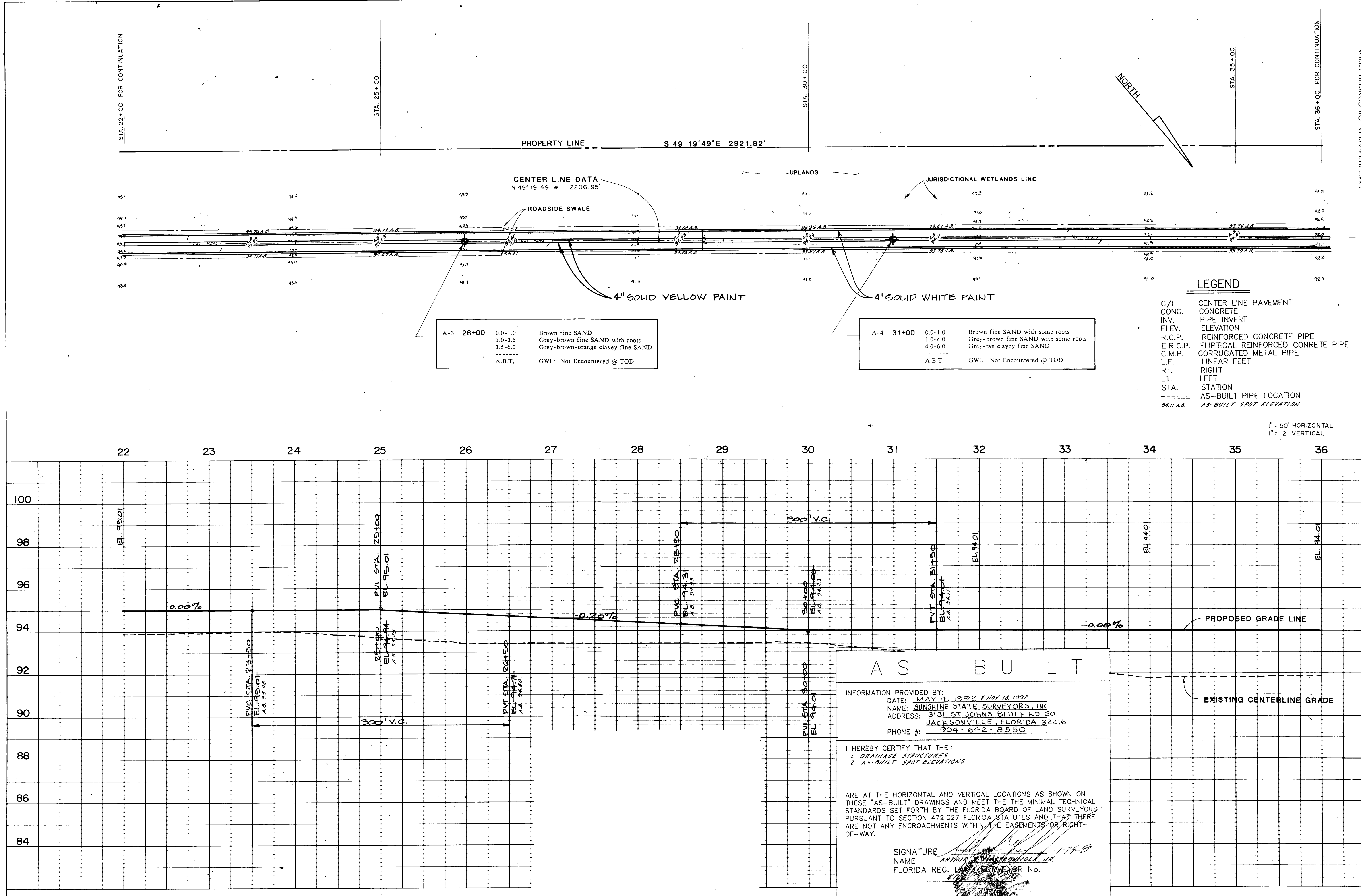
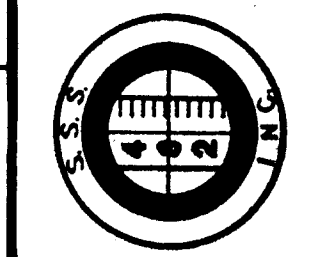


PLATE 1 PLAN-PROFILE OF P.A. & R.E. STANDARD
DETROIT CORPORATION
PRINTED IN U.S.A.

FIELD BOOK 336/30-34
386/31-38

FILE No. 92D-5190



SUNSHINE STATE SURVEYORS, INC.
ENGINEERS, SURVEYORS & LAND PLANNERS
3131 ST. JOHNS BLUFF RD. SOUTH,
JACKSONVILLE, FLORIDA 32216

SCALE: 1" = 50'
WORK ORDER NO. 592-G1
DRAWN BY: J.L.R.
CHECKED BY: R.S.C.

STORM DRAINAGE
(STA. 22+00 - STA. 36+00)

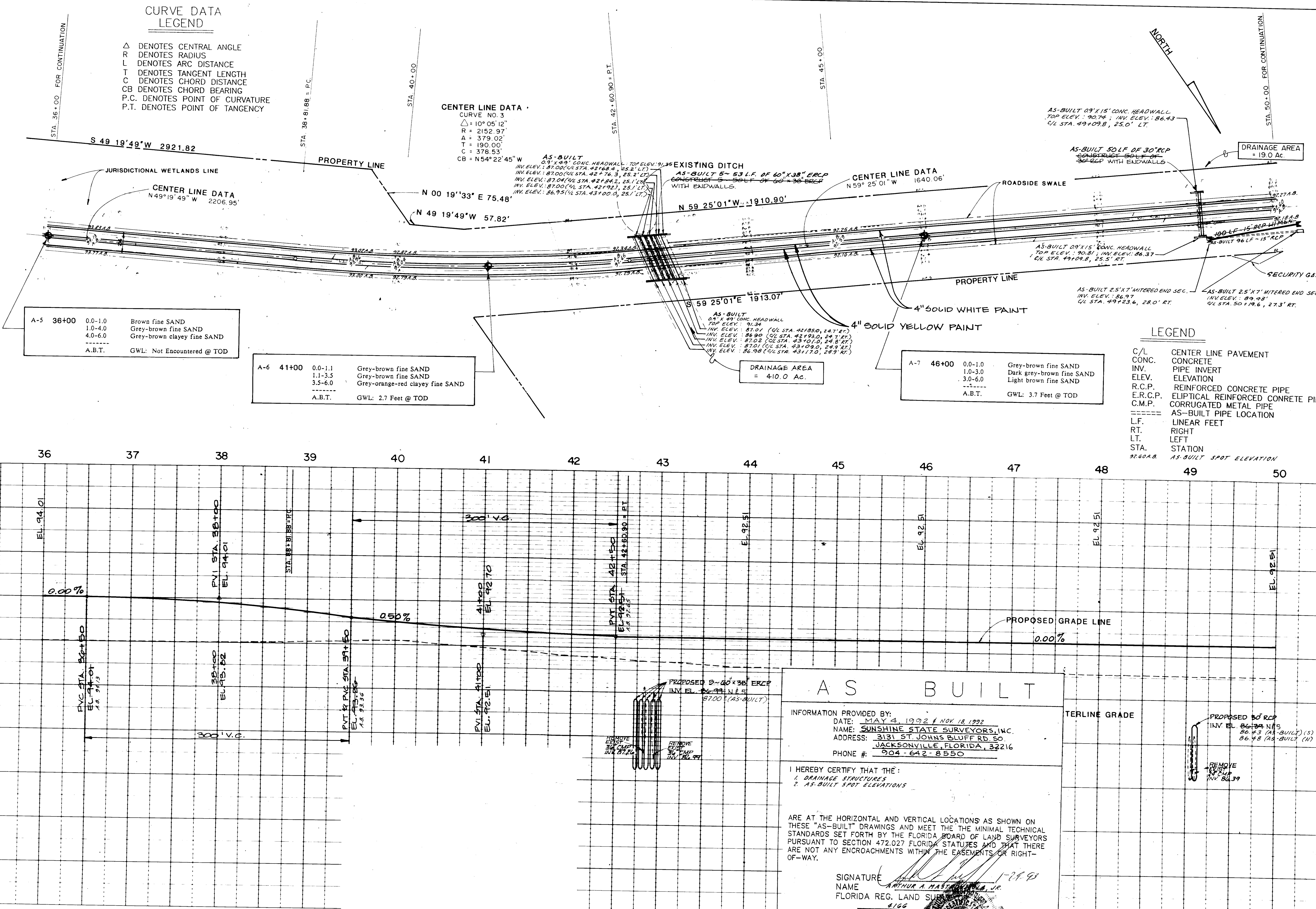
TRAIL RIDGE LANDFILL
(PLAN A)

AS-BUILT

SHEET

14

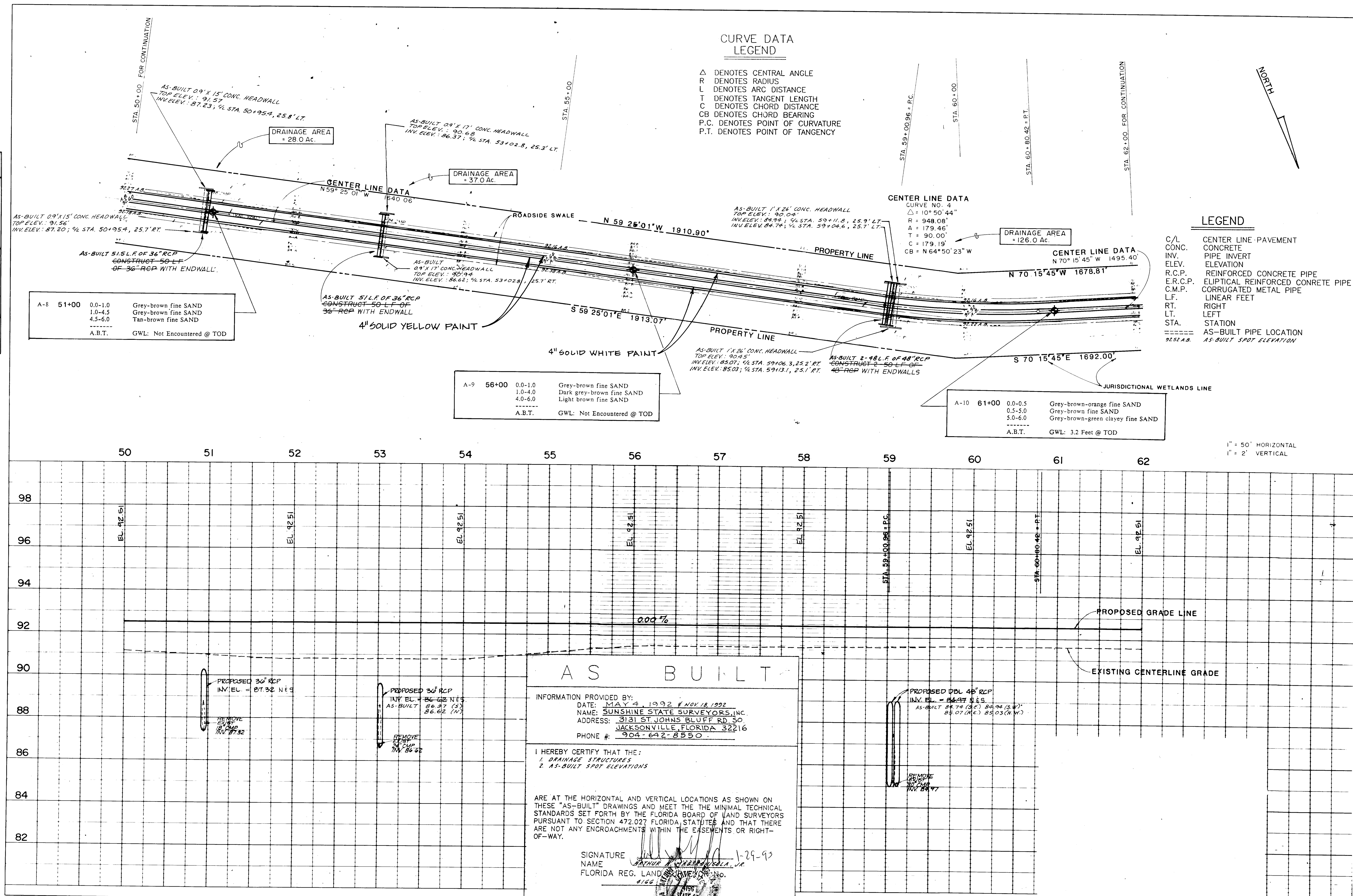
PROFILE	SURVEYED _____	BY _____	DATE _____
	PLOTTED _____		
NOTE BOOK	GRAPHS CHECKED _____		
	B.M.'S NOTED _____		
No. _____	STRUCTURE NOTATIONS CHECKED _____		

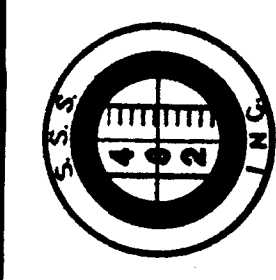


AS-BUILT		STORM DRAINAGE (STA. 36+00 - STA. 50+00)		SCALE: 1" = 50'	12345678910 11121314151617181920 21222324252627282930 31323334353637383940 41424344454647484950
TRAIL RIDGE LANDFILL (PLAN A)		WORK ORDER NO. 592-61	SUNSHINE STATE SURVEYORS, INC. ENGINEERS, SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32216		
		DRAWN BY: J. L. R.			
		CHECKED BY: R. S. C.			

PLAN	DATE
SUNSHINE STATE SURVEYORS, INC.	
NOTE BOOK	
NO.	

PROFILE	DATE
SUNSHINE STATE SURVEYORS, INC.	
NOTE BOOK	
NO.	





SUNSHINE STATE SURVEYORS, INC.
 ENGINEERS, SURVEYORS & LAND PLANNERS
 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32216

1692 RELEASED FOR CONSTRUCTION

SCALE: 1" = 50'

WORK ORDER No. 592-01

DRAWN BY: J. L. R.

CHECKED BY: K. S. C.

STORM DRAINAGE
 (STA. 50+00 - STA. 62+00)

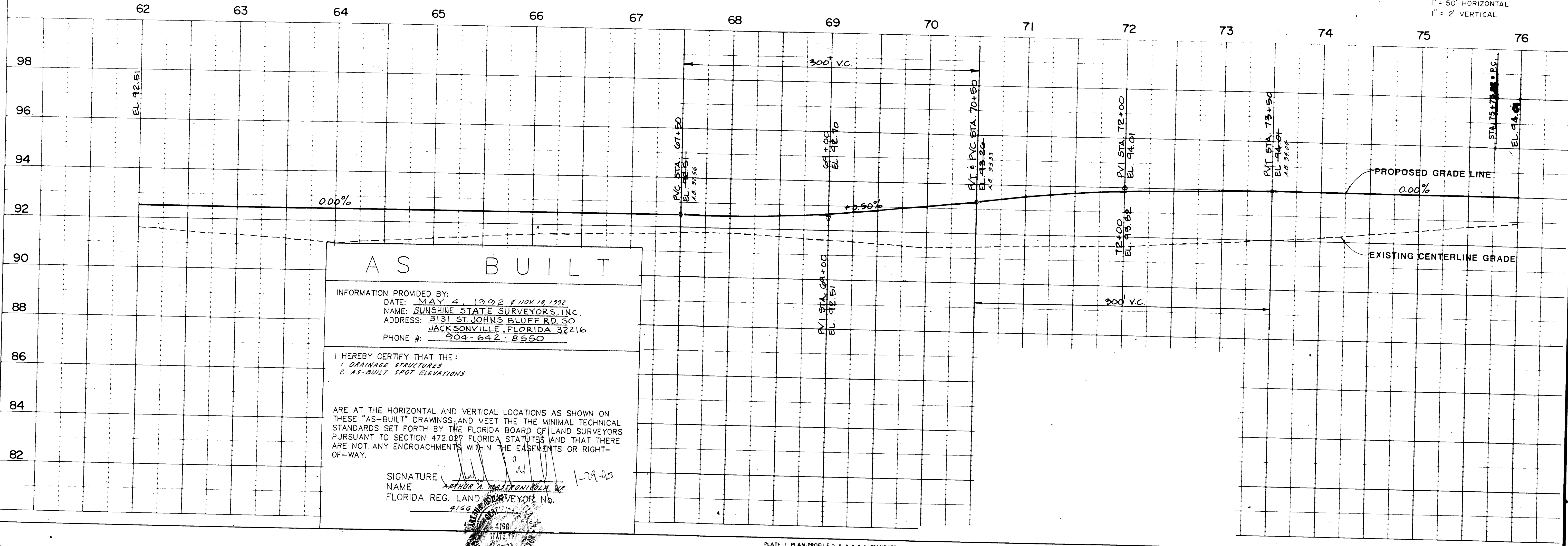
TRAIL RIDGE LANDFILL
 (PLAN A)

AS-BUILT

SHEET

16

PROFILE	NO.	STRUCTURE NOTATIONS CHECKED	DATE
NOTE BOOK	PAGE NO.	STANDARD DRAWING	REVISION
		GRAND CHECKER	
		B.W. NOTED	
		SHEET NO.	
		PROJECT NO.	
		DRAWN BY	
		CHECKED BY	
		APPROVED BY	
		DATE	



A S BUILT

INFORMATION PROVIDED BY:
DATE: MAY 4, 1992 & NOV. 18, 1992
NAME: SUNSHINE STATE SURVEYORS, INC.
ADDRESS: 3131 ST. JOHNS BLUFF RD. SO.
JACKSONVILLE, FLORIDA 32216
PHONE #: 904-642-8550

I HEREBY CERTIFY THAT THE :
1. DRAINAGE STRUCTURES
2. AS-BUILT SPOT ELEVATIONS

ARE AT THE HORIZONTAL AND VERTICAL LOCATIONS AS SHOWN ON
THESE "AS-BUILT" DRAWINGS, AND MEET THE MINIMAL TECHNICAL
STANDARDS SET FORTH BY THE FLORIDA BOARD OF LAND SURVEYORS
PURSUANT TO SECTION 472.027 FLORIDA STATUTES AND THAT THERE
ARE NO ANY ENCROACHMENTS WITHIN THE EASEMENTS OR RIGHT-
OF-WAY.

SIGNATURE [Signature]
NAME ARTHUR A. HALL/IRONBORN, JR.
FLORIDA REG. LAND SURVEYOR NO. 4166

1-29-93

4166
JAN 1992

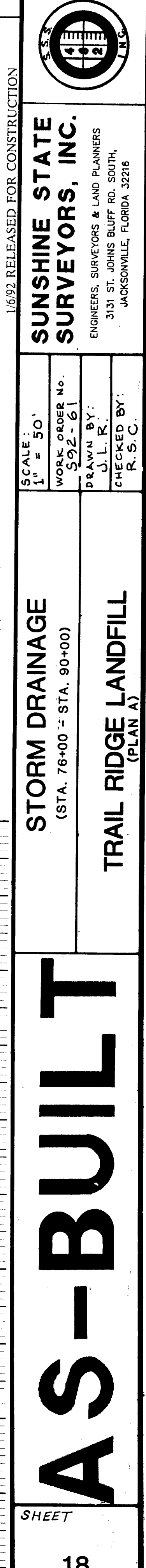
A-12	71+00	0.0-1.0	Grey-brown fine SAND
		1.0-4.5	Brown fine SAND
		4.5-6.0	Grey-brown clayey fine SAND

		A.B.T.	GWL: 3.2 Feet @ TOD

- LEGEND
- | | |
|------------|------------------------------------|
| C/L | CENTER LINE PAVEMENT |
| CONC. | CONCRETE |
| INV. | PIPE INVERT |
| ELEV. | ELEVATION |
| R.C.P. | REINFORCED CONCRETE PIPE |
| E.R.C.P. | ELLIPICAL REINFORCED CONCRETE PIPE |
| C.M.P. | CORRUGATED METAL PIPE |
| L.F. | LINEAR FEET |
| RT. | RIGHT |
| LT. | LEFT |
| STA. | STATION |
| ----- | AS-BUILT PIPE LOCATION |
| 36.09 A.B. | 15'-BUILT SPOT ELEVATION |
| | 1" = 50' HORIZONTAL |
| | 1" = 2' VERTICAL |

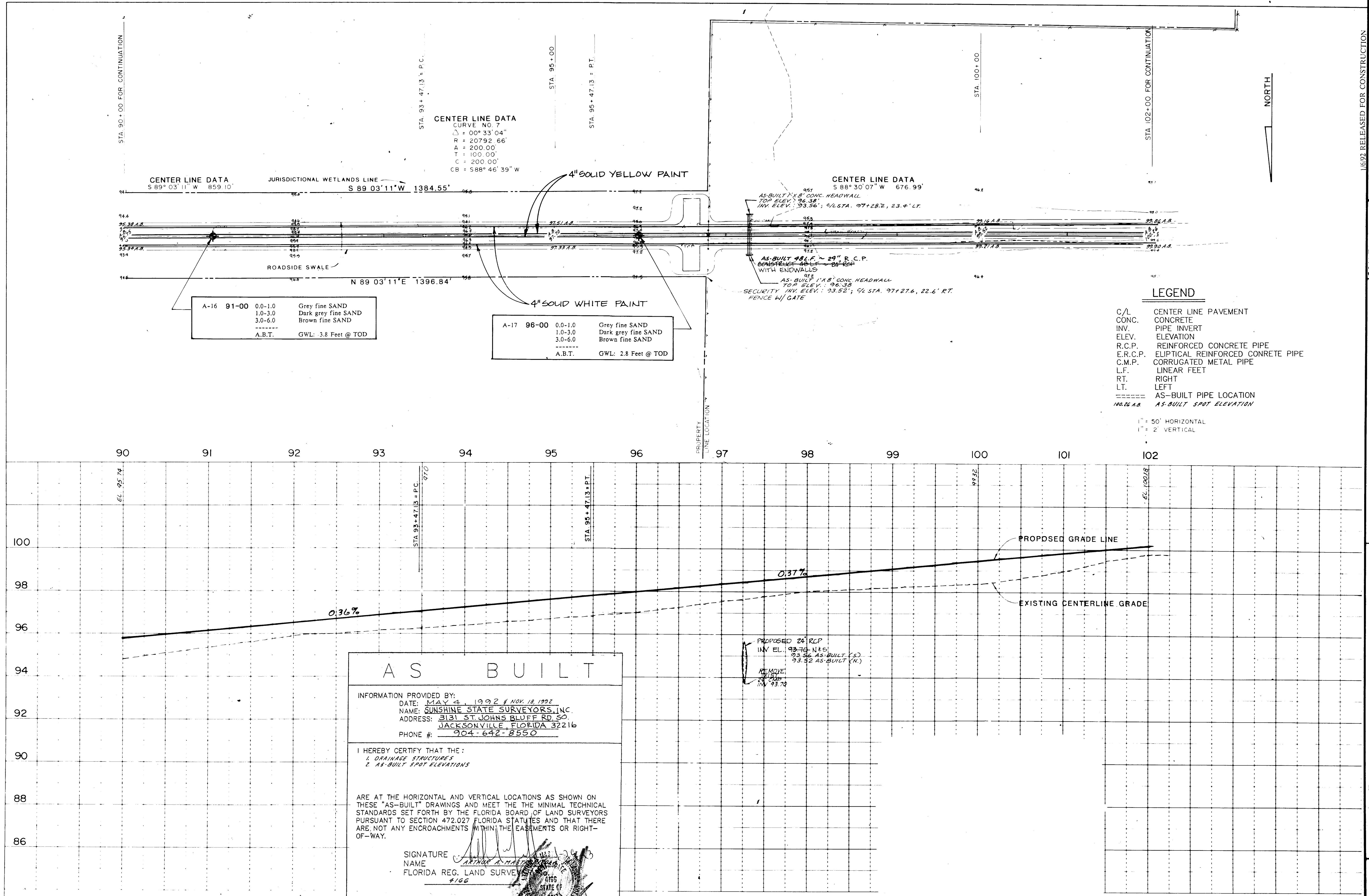
AS-BUILT	STORM DRAINAGE (STA. 62+00 - STA. 76+00)		SCALE: 1" = 50'	 SUNSHINE STATE SURVEYORS, INC. ENGINEERS, SURVEYORS & LAND PLANNERS 3131 ST. JOHNS BLUFF RD. SOUTH, JACKSONVILLE, FLORIDA 32206
	TRAIL RIDGE LANDFILL (PLAN A)		WORK ORDER No. 592 - 61	
		DRAWN BY: J.L.R.		
		CHECKED BY: R.S.C.		

PROFILE		BY	DATE
SURVIVED			
PLOTTED			
GRADES CHECKED			
B # NOTED			
STRUCTURE NOTATIONS CHECKED			



PLAN	DATE	
	BY	
NOTE BOOK	NO.	
	DATE	

PROFILE	DATE	
	BY	
NOTE BOOK	NO.	
	DATE	



16992 RELEASED FOR CONSTRUCTION

**SUNSHINE STATE
SURVEYORS, INC.**
ENGINEERS, SURVEYORS & LAND PLANNERS
 3131 ST. JOHNS BLUFF RD. SOUTH,
 JACKSONVILLE, FLORIDA 32216

SCALE: 1" = 50'
 WORK ORDER NO. 592-61
 DRAWN BY: J.L.R.
 CHECKED BY: R.S.C.

STORM DRAINAGE
 (STA. 90+00 - 102+24.12)

TRAIL RIDGE LANDFILL
 (PLAN A)

AS-BUILT

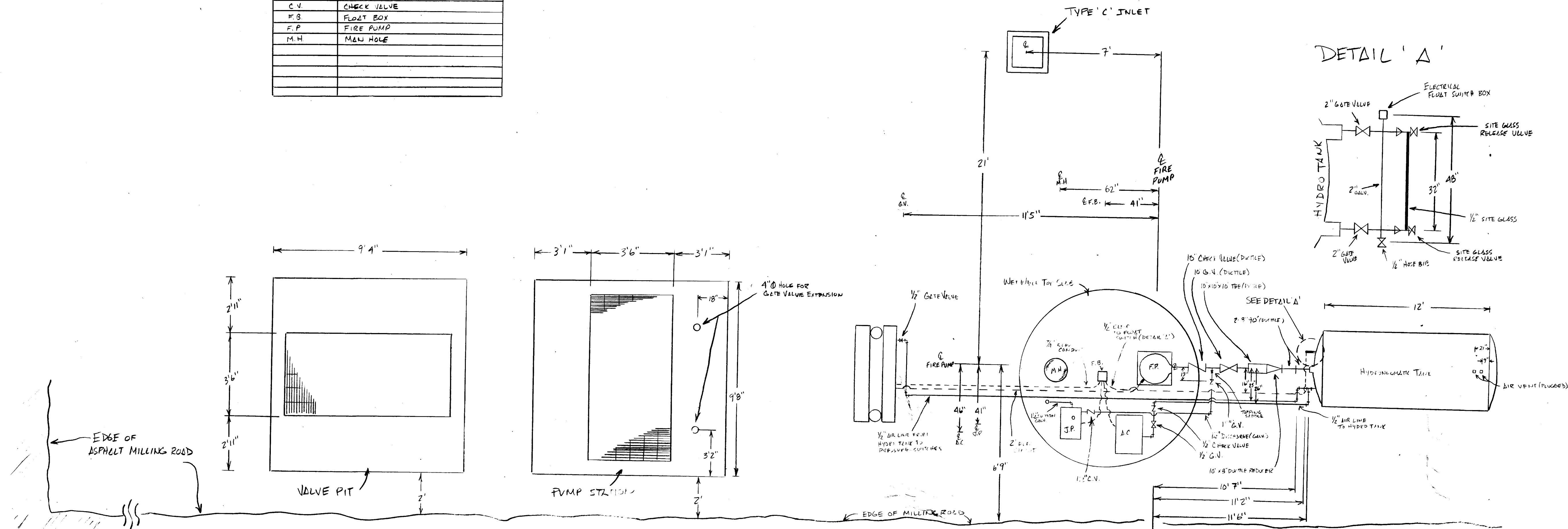
SHEET

DATE OF LAST FIELDWORK: 11-18-92

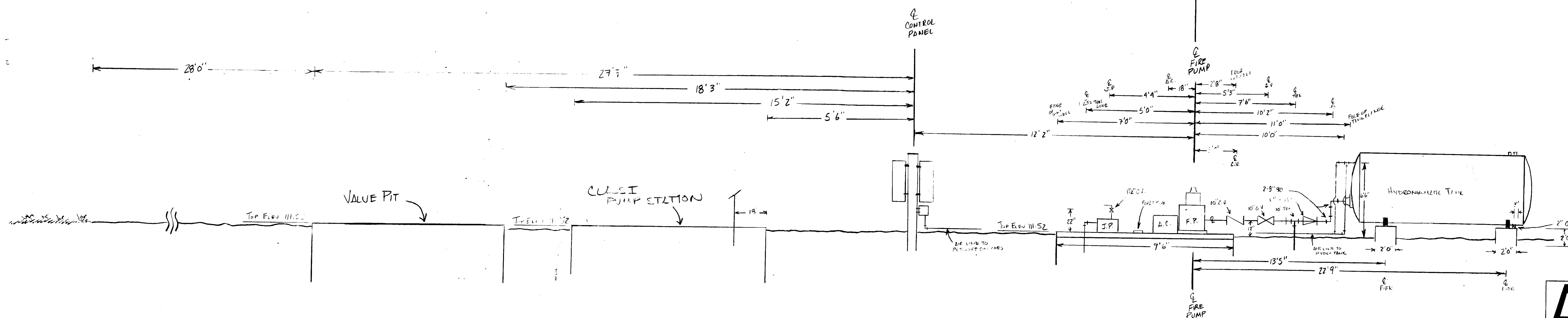
FIELD BOOK 336/30-34
 386/31-38

FILE NO. 92D-5190

INITIAL	DESCRIPTION
C	CENTER LINE
A.C.	AIR COMPRESSOR
J.P.	JOCKEY PUMP
G.V.	GATE VALVE
C.V.	CHECK VALVE
F.B.	FLOAT BOX
F.P.	FIRE PUMP
M.H.	MAN HOLE



CLASS I FIRE PUMP/HYDRO TANK-STORMWATER
ASBUILT - 'PLAN VIEW' N.T.S.



CLASS I FIRE PUMP/HYDRO TANK-STORMWATER
ASBUILT - 'ELEVATION VIEW' N.T.S.

SHEET 20

AS-BUILT

I hereby certify that the materials used in the construction of:
 — Pavement — Water Main
 — Curb & Gutter — Sanitary Gravity Sewer
 — Storm Drainage — Force Main
 — Lift Station
 are in accordance with the approved plans and city specifications, unless otherwise approved by the city engineer.
 Name: BUCKLEY K. WILLIAMS Date: 12-23-92
 Signature: [Signature]
JAX UTILITIES CONSTRUCTION
 DIVISION OF THE HASKELL COMPANY
 Haskell Building • Jacksonville, Florida 32231-4100 • 904/791-4630

DATE: 12-22-92

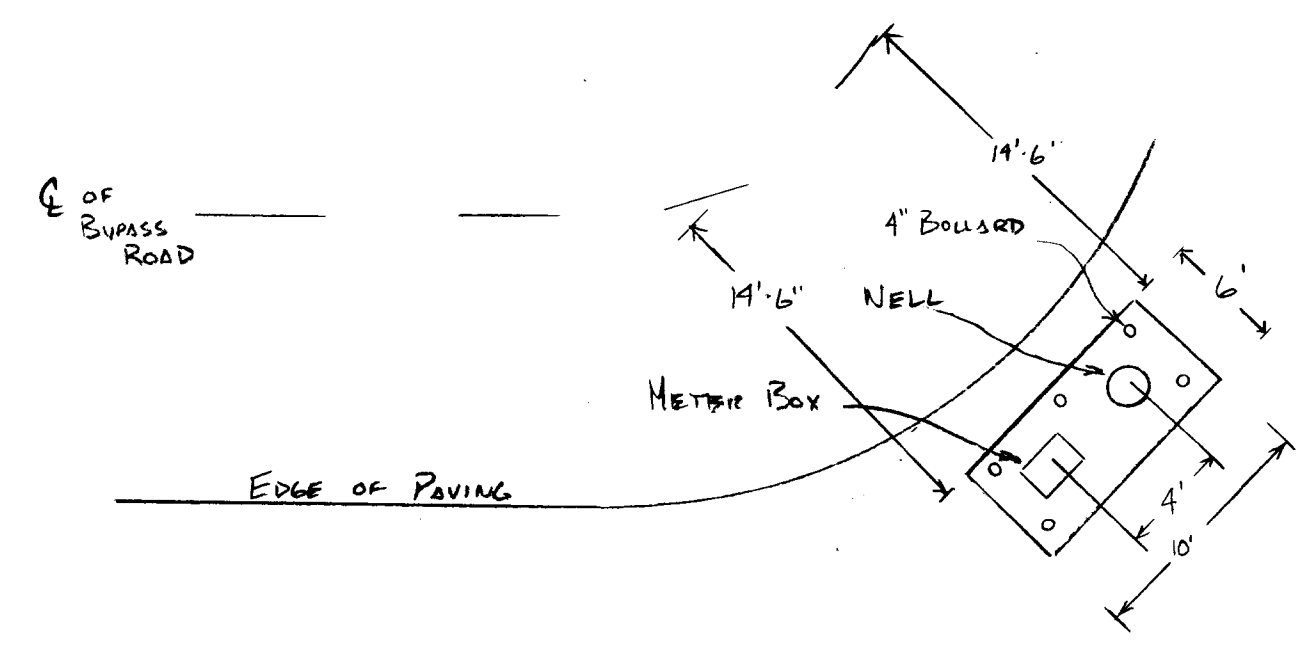
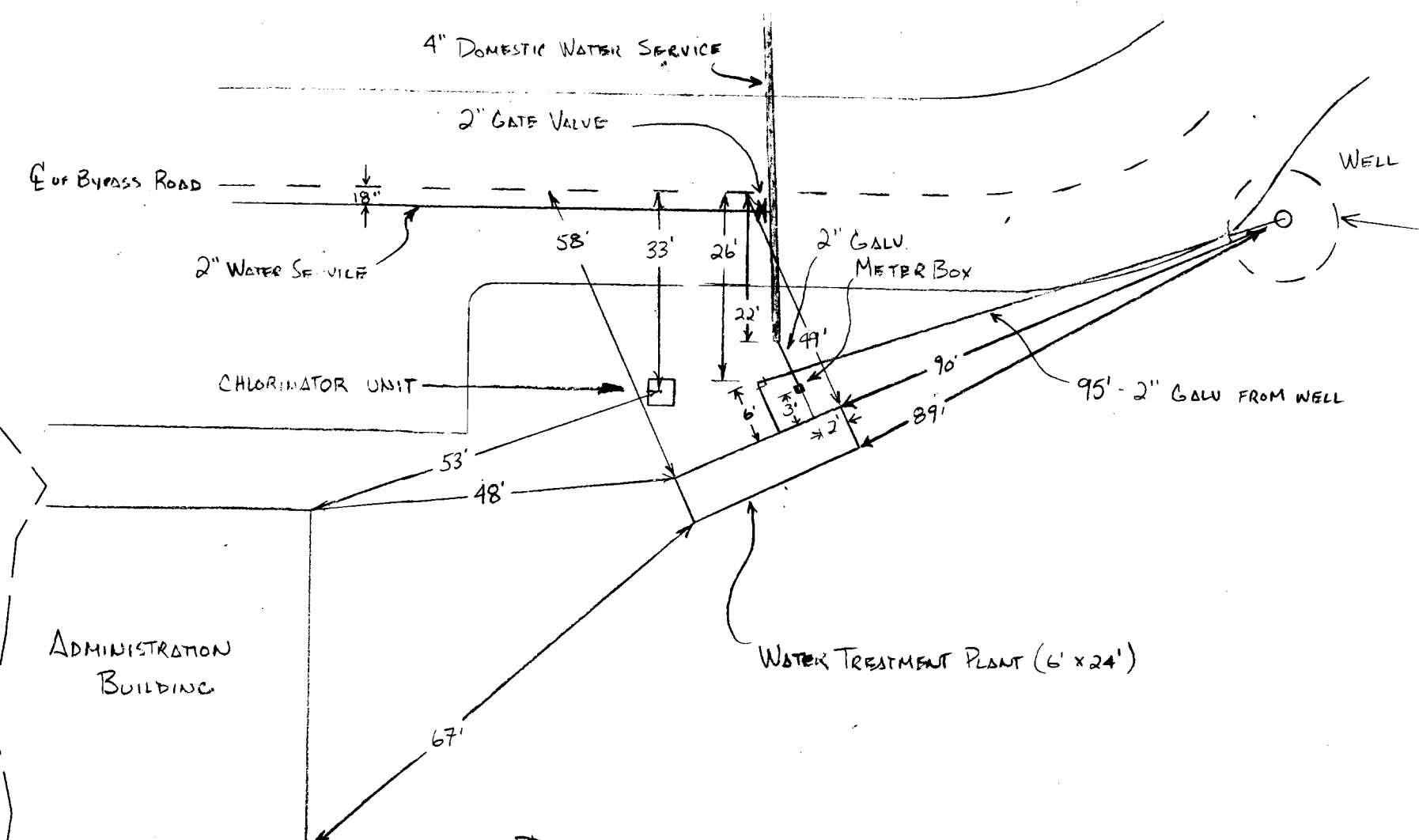
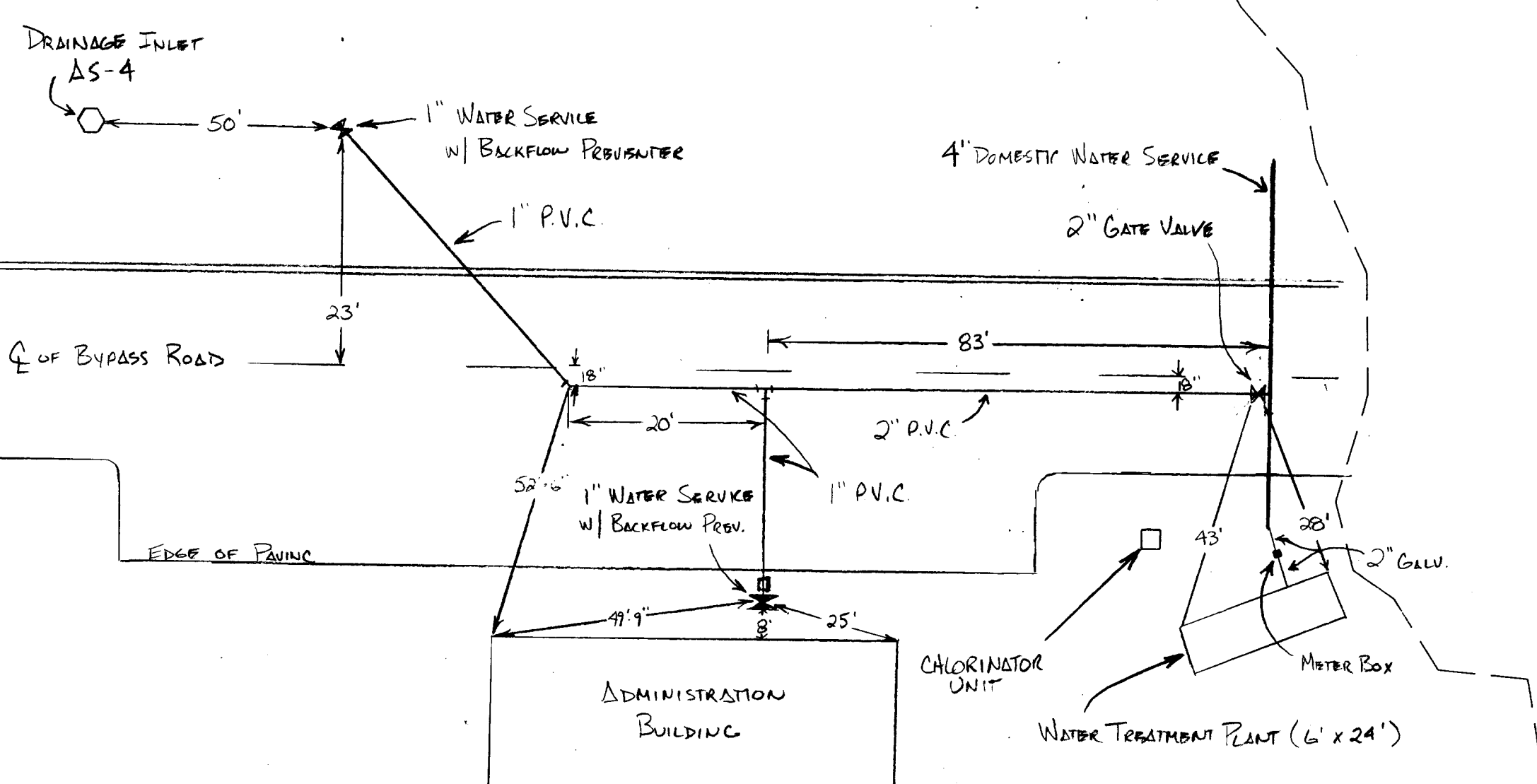
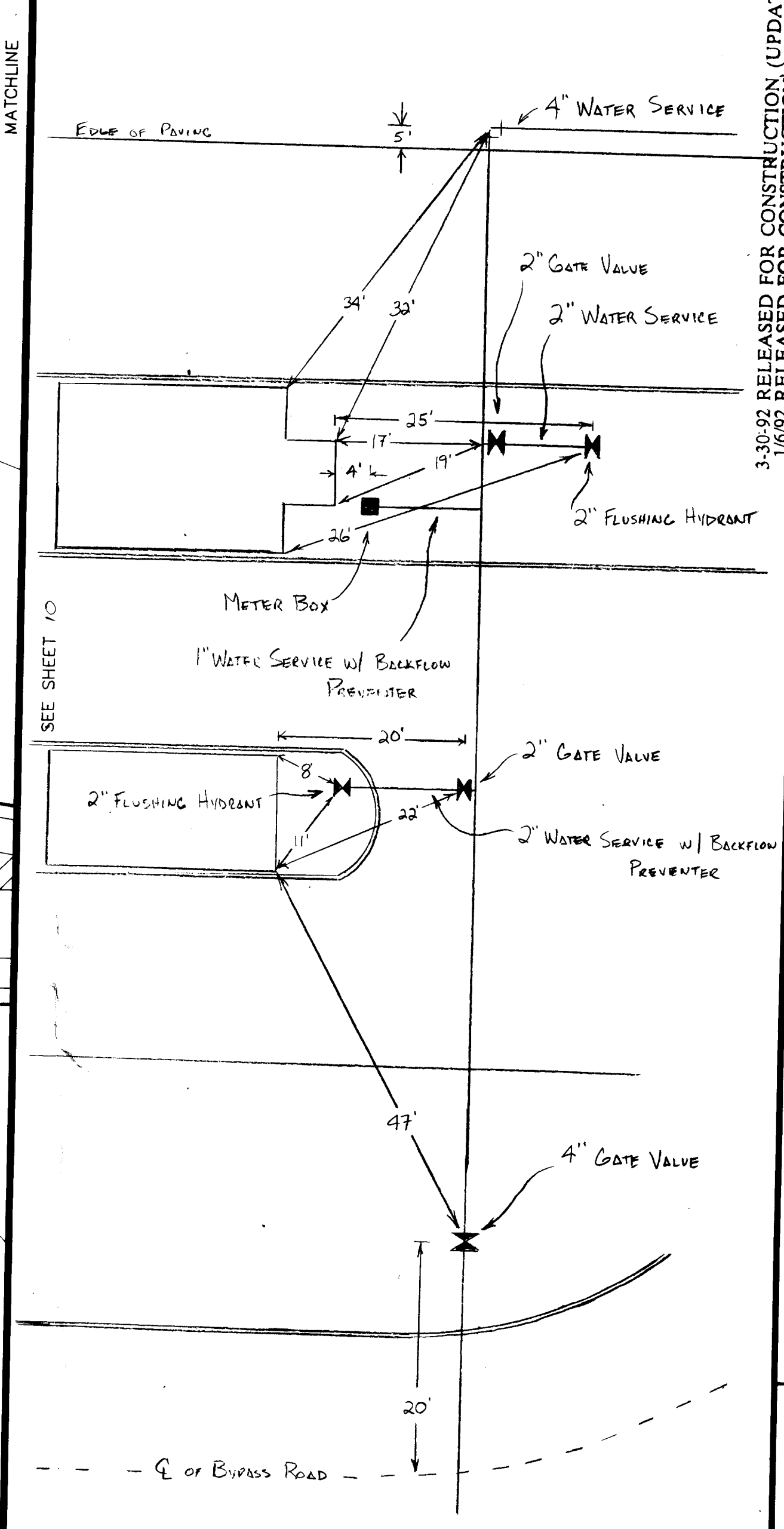
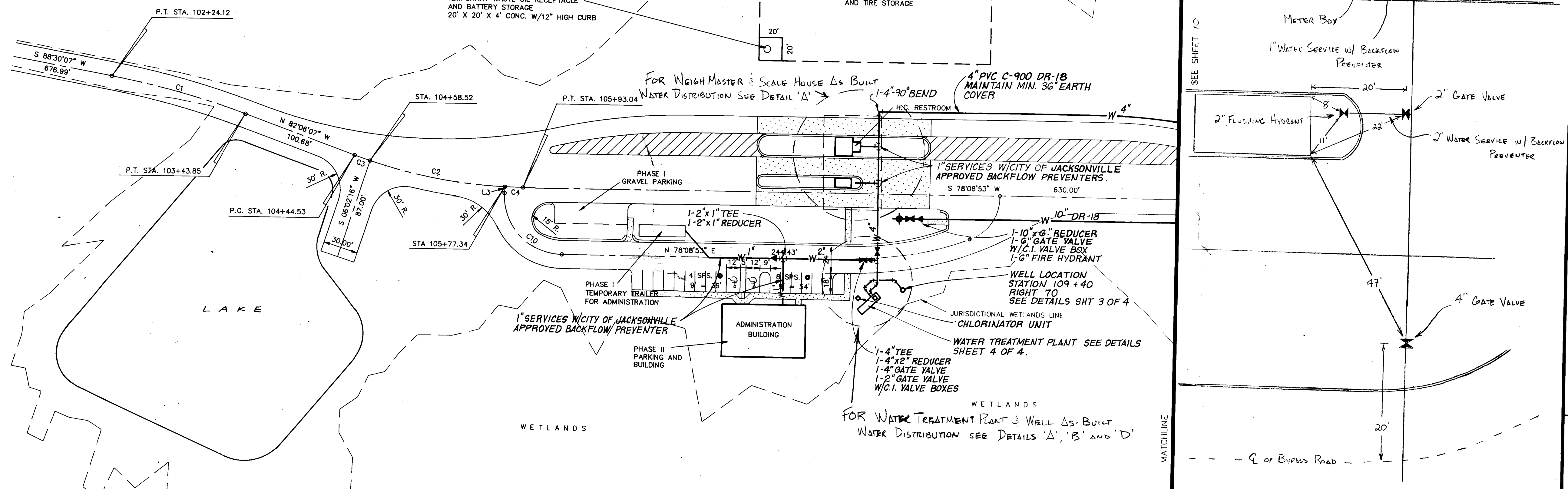
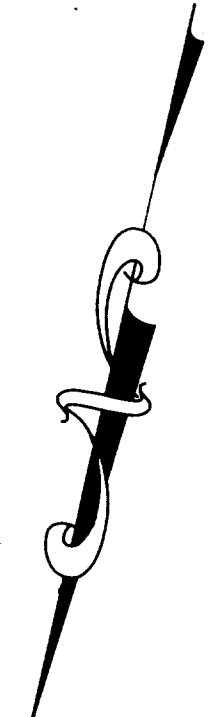
CLASS I FIRE PUMP/HYDRO TANK - STORMWATER ASBUILT

TRAIL RIDGE LANDFILL

THE HASKELL COMPANY
ARCHITECTS/ENGINEERS/CONTRACTORS



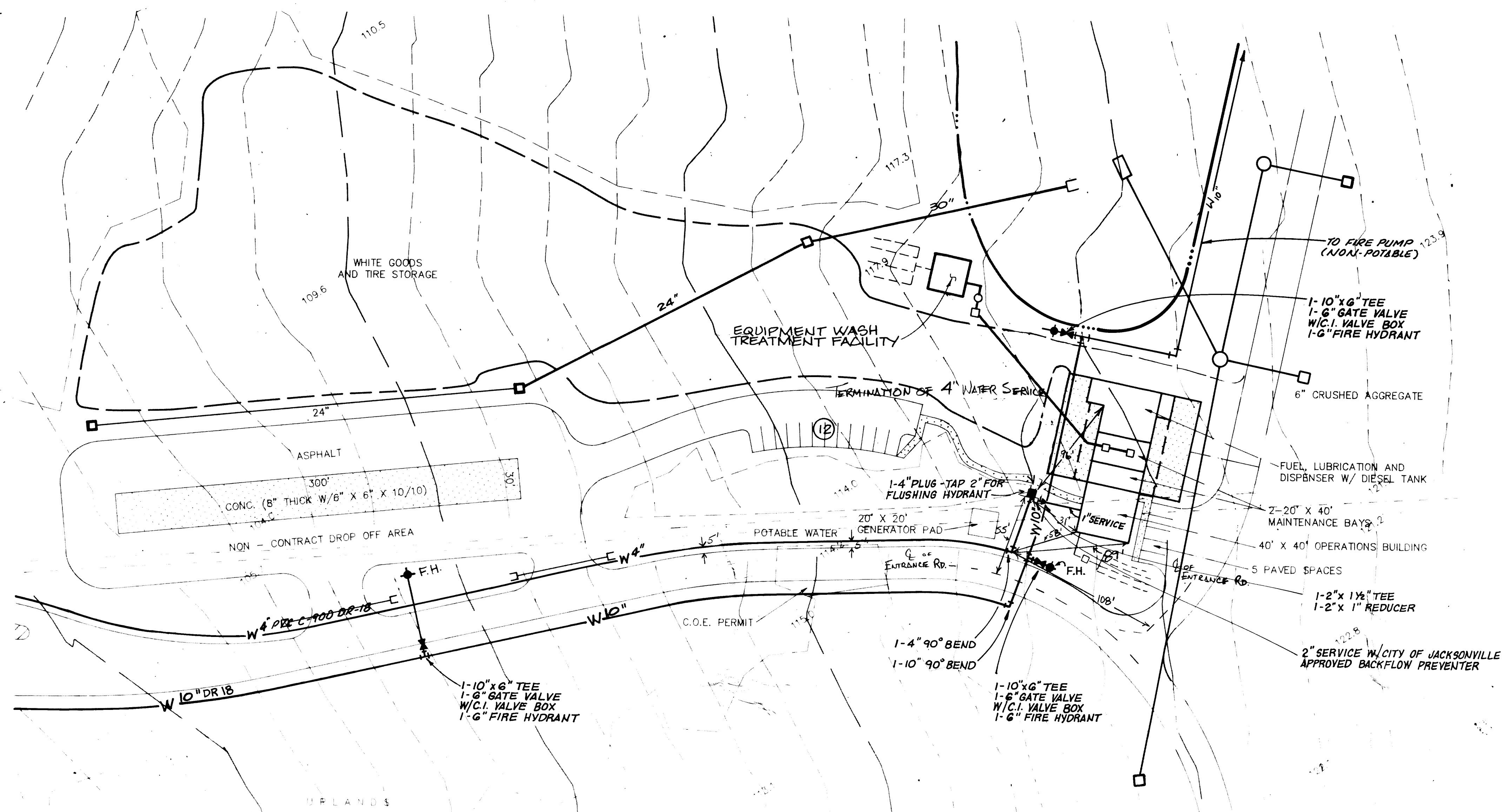
H JAX UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY
Haskell Building • Jacksonville, Florida 32231-4100 • 904/791-4630



DETAIL 'C'
N.T.S.

WT 1

RELEASED FOR CONSTRUCTION



AS-BUILT

I hereby certify that the materials used in the construction of:

- ☐ Pavement
- ☐ Curb & Gutter
- ☐ Storm Drainage
- ☒ Water Main
- ☐ Sanitary Gravity Sewer
- ☐ Force Main
- ☐ Lift Station

are in accordance with the approved plans and city specifications, unless otherwise approved by the city engineer.

Name: John E. Smith Date: 1/5/92

Signature: [Signature]

JAX UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY
Haskell Building • Jacksonville, Florida 32231-4100 • 904/791-4630

AS-BUILT

In accordance with Chapter 471, Florida Statutes, I hereby certify that the:

- ☐ Pavement
- ☐ Curb & Gutter
- ☐ Storm Drainage
- ☒ Water Main
- ☐ Sanitary Gravity Sewer
- ☐ Force Main
- ☐ Lift Station

are at the horizontal and vertical locations as shown on these "AS-BUILT" drawings, and that these improvements are within the easements or right-of-way.

Name: John E. Smith Date: 1/5/92

Signature: [Signature] FL Prof. Eng. No. 30,000

JAX UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY
Haskell Building • Jacksonville, Florida 32231-4100 • 904/791-4630

3-20-92 RELEASED FOR CONSTRUCTION (UPDATED)

REVISIONS

NO.	DATE	BY
1	1/5/92	J.M.

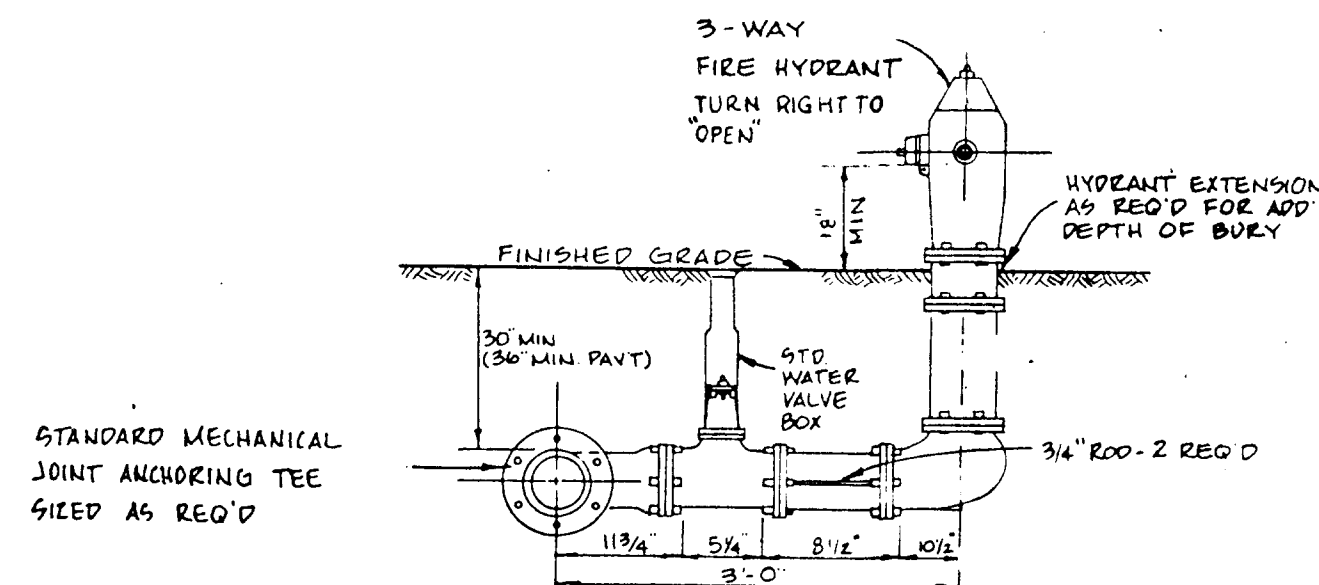
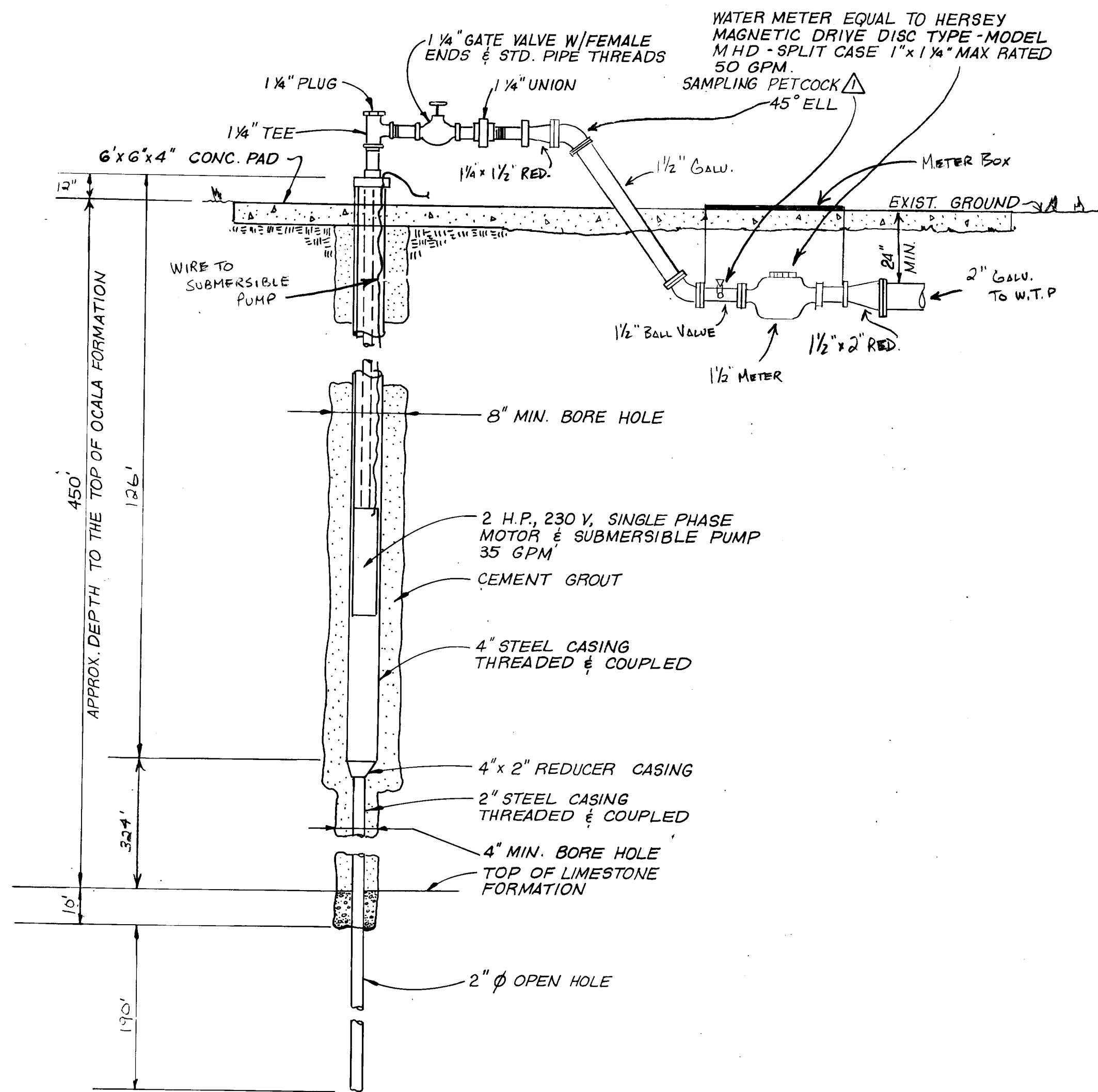
WATER TREATMENT FACILITY
TRAIL RIDGE LANDFILL
JACKSONVILLE, FLORIDA

JACKSONVILLE, FLORIDA

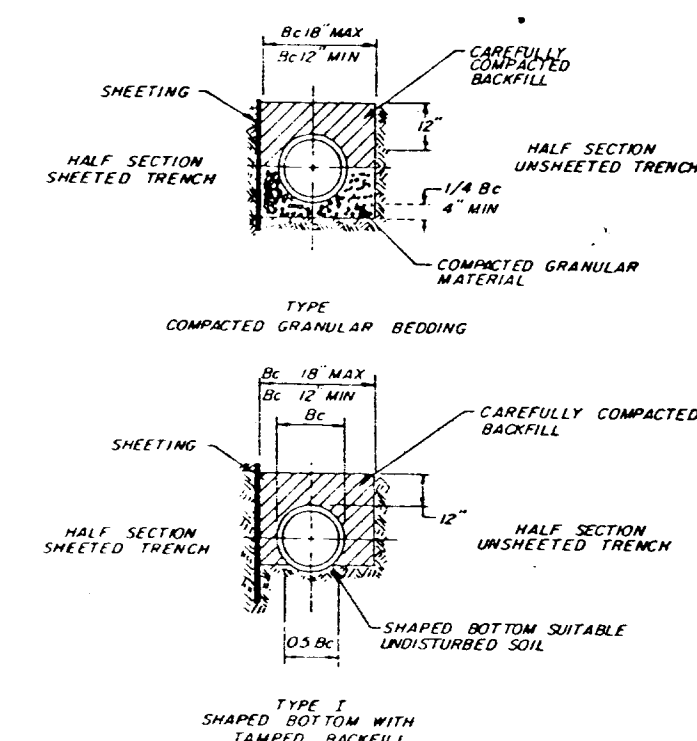
DRAWING NO. **WT 2**

1 FOR CONSTRUCTION

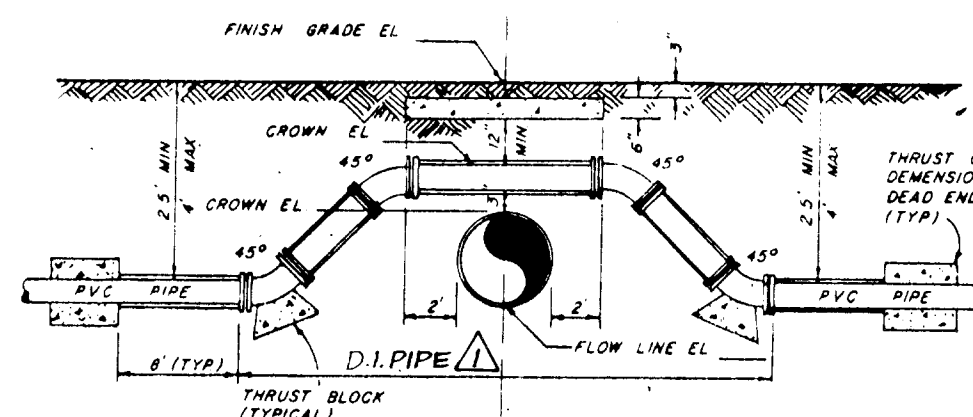
NOTE: REFER TO SHEET A3 FOR LIMITS OF PHASE I AND PHASE II CONSTRUCTION



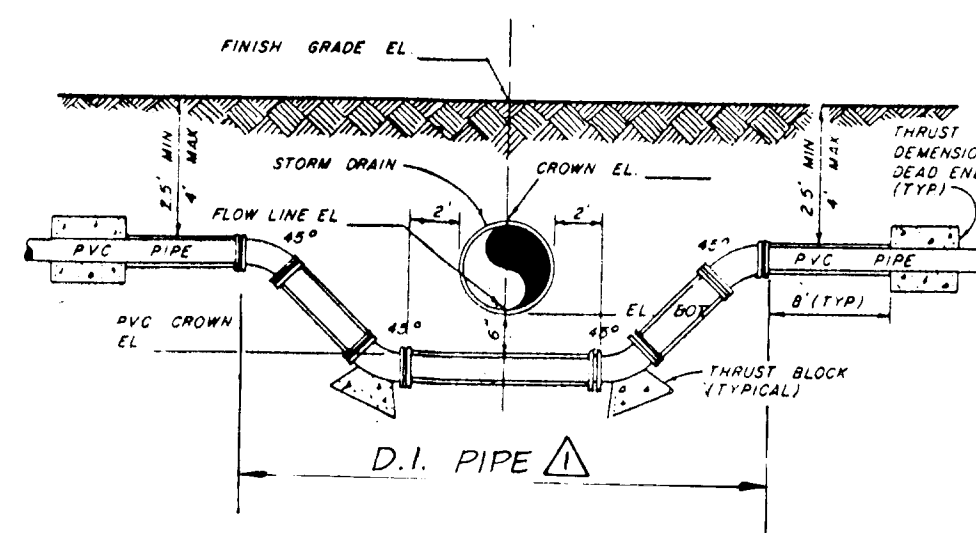
**HYDRANT INSTALLATION WITH TIE RODS
USING MECHANICAL JOINT FITTINGS**



BEDDING DETAILS CLASS "B"



WATER CROSSING OVER STORM



WATER CROSSING UNDER STORM

WATER NOTES

- TEN FEET HORIZONTAL AND 18" VERTICAL SEPARATION SHALL BE MAINTAINED BETWEEN ALL WATER LINES AND SANITARY SEWER LINES AND SERVICES (MINIMUM).
- ALL UNDERGROUND VALVES SHALL BE INSTALLED WITH AN ADJUSTABLE CAST IRON VALVE BOX TO GRADE.
- ALL WATER LINES SHALL HAVE A MINIMUM OF 30" COVER FROM FINISH GRADE IN UNPAVED AREAS AND 36" COVER IN PAVED AREAS.
- PRIOR TO BEGINNING CONSTRUCTION, THE CONTRACTOR SHALL COORDINATE THE CONSTRUCTION OF WATER FACILITIES WITH ALL OTHER CONSTRUCTION AND SHALL BE RESPONSIBLE FOR LOCATION OF AND PROTECTION OF ALL EXISTING UNDERGROUND UTILITIES DURING CONSTRUCTION.
- WATER LINES ARE DESIGNED TO FINISH GRADE AND SHALL BE PROTECTED FROM DAMAGE UNTIL ALL WORK IS COMPLETED.
- UNUSABLE MATERIALS UNDER WATER PIPE OR STRUCTURES SHALL BE REMOVED AND REPLACED WITH SELECTED BACKFILL, PROPERLY COMPACTED PER CITY OF JACKSONVILLE STANDARDS. ALL UNSUITABLE MATERIAL IS TO BE HAULED OFF-SITE.
- FOR WATER DETAILS SEE DRAWING NO. 3.
- THE CONTRACTOR SHALL INDICATE THE LOCATION OF THE TERMINATION OF EACH WATER LINE WITH A STAKE OR MARKER SUITABLE TO THE OWNER OR ENGINEER.
- NO CONNECTION TO EXISTING POTABLE WATER SYSTEM SHALL BE ALLOWED UNTIL ALL PROPOSED WATER LINES HAVE BEEN PRESSURE TESTED, DISINFECTED, AND CLEARED FOR SERVICE.
- THRUST BLOCKING IS REQUIRED WHERE WATER MAINS ARE TERMINATED AND AT ALL BENDS.
- ALL PVC WATER MAIN MATERIALS SHALL BE AS FOLLOWS:
 - SIZES 4" AND UP, INCLUDING 8" IN DIAMETER - DR 18.
 - SIZES SMALLER THAN 4" SHALL BE SCH. 40 - N.S.F. APPROVED.
- ALL GATE VALVES SHALL BE RESILIENT SEAT TYPE OR DOUBLE WEDGE TYPE. VALVES SHALL BE MECHANICAL JOINT, CAST IRON, BRONZE FITTED. ALL VALVES SHALL OPEN BY TURNING TO THE RIGHT. VALVES SHALL BE RATED AT 200 PSI WORKING PRESSURE AND 400 PSI TEST PRESSURE.
- FIRE HYDRANTS SHALL BE CITY OF JACKSONVILLE STANDARD.
- ALL WATER MAINS SHALL BE PRESSURE TESTED AT 150 PSI FOR 2 HOURS IN ACCORDANCE WITH ANW STANDARDS AND CITY OF JACKSONVILLE STANDARD REQUIREMENTS.
- ALL WORK AND MATERIALS SHALL COMPLY WITH THE LATEST CITY OF JACKSONVILLE STANDARDS AND SPECIFICATIONS.
- IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO OBTAIN ALL REQUIRED PERMITS.
- THESE ENGINEERING DRAWINGS MAY NOT SHOW ALL THE CITY STANDARD DETAILS REQUIRED TO COMPLETE CONSTRUCTION OF THIS PROJECT. IT IS THE CONTRACTOR'S RESPONSIBILITY THAT THE CONSTRUCTION BE IN ACCORDANCE WITH ALL CURRENT CITY STANDARD DETAILS AND SPECIFICATIONS. THE CONTRACTOR SHALL OBTAIN A COPY OF THE CITY OF JACKSONVILLE STANDARD DETAILS AND SPECIFICATIONS FROM THE DEPARTMENT OF PUBLIC WORKS PRIOR TO BEGINNING CONSTRUCTION.
- "AS-BUILT"

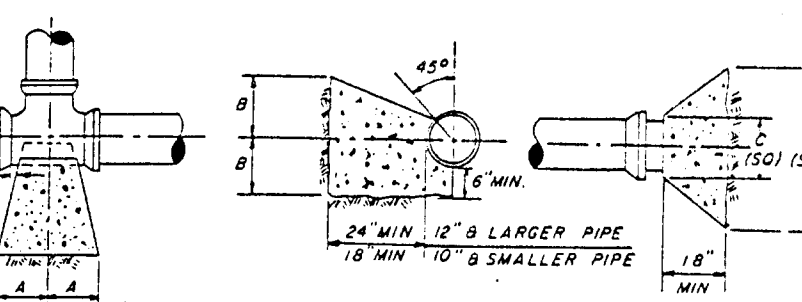
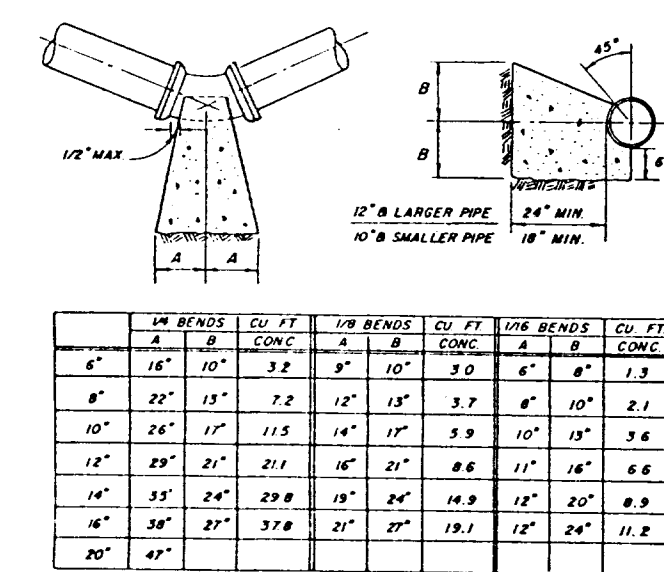
AS-BUILTS ARE REQUIRED TO BE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR THEREFORE: IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONTRACT WITH A LAND SURVEYOR REGISTERED IN THE STATE OF FLORIDA FOR THE PREPARATION, FIELD LOCATIONS, CERTIFICATION AND SUBMITTAL OF "AS-BUILT" DRAWINGS IN ACCORDANCE WITH CURRENT CITY OF JACKSONVILLE STANDARDS AND SPECIFICATIONS. THE COST OF AS-BUILT SERVICES SHALL BE REFLECTED AS PART OF THE CONSTRUCTION COSTS FOR THE WATER DISTRIBUTION SYSTEM. IT IS THE CONTRACTOR'S RESPONSIBILITY TO PROCESS THE AS-BUILT DRAWINGS FOR APPROVAL BY THE OWNER.

WATER TREATMENT PLANT SPECIFICATIONS

THE CONTRACTOR SHALL FURNISH AND INSTALL COMPLETE AND READY FOR SERVICE ONE (1) PACKAGED STEEL WATER TREATMENT PLANT WITH A CAPACITY OF 10,000 GALLONS PER DAY.

THE PLANT SHALL BE SIMILAR AND EQUAL THAT MANUFACTURED BY WETHERELL TREATMENT SYS. INC. HAVING THE FOLLOWING COMPONENTS:

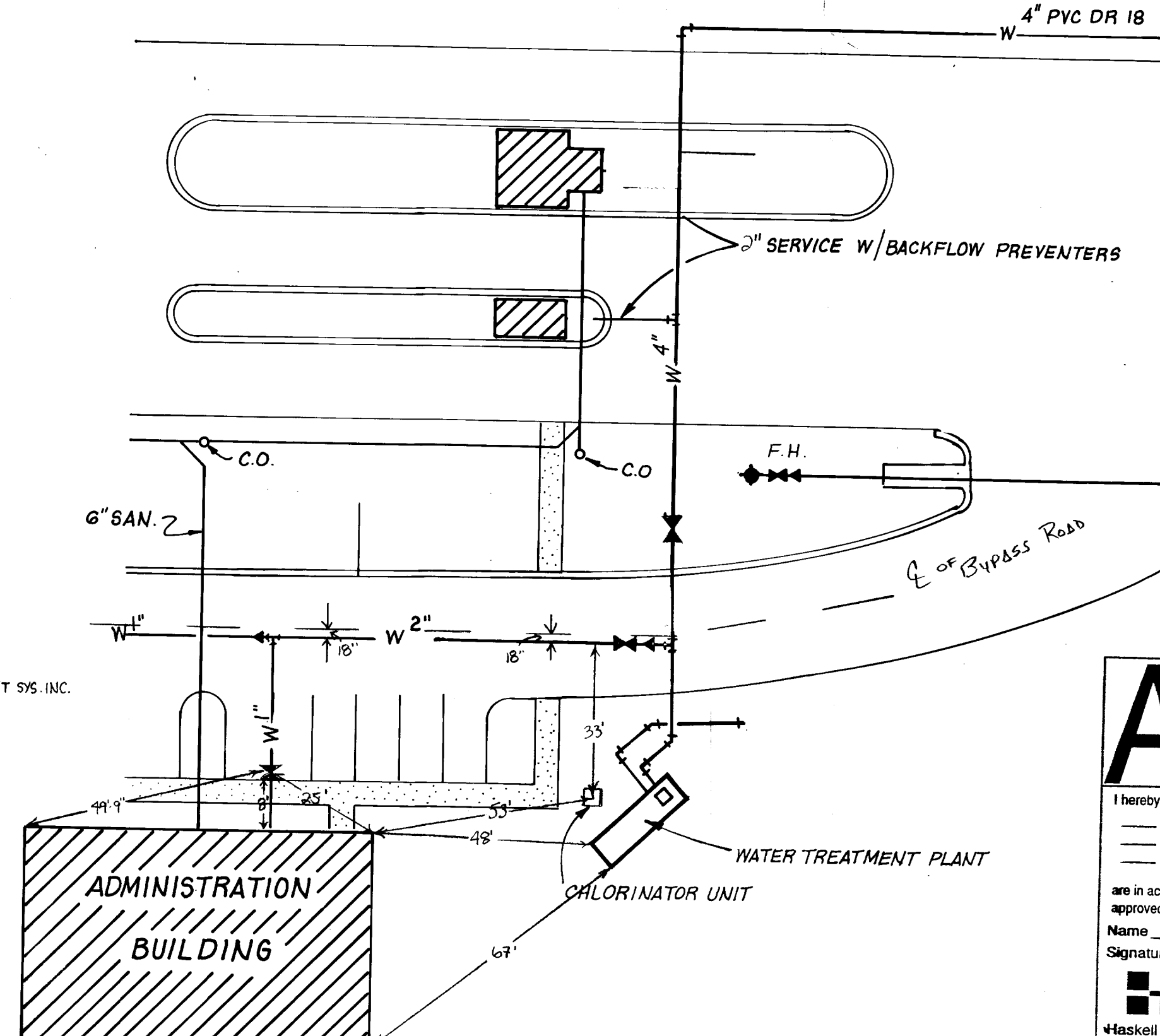
STORAGE TANK VOLUME:	2,660 GAL. MIN.
HYDRO PNEUMATIC TANK VOLUME:	1050 GAL. MIN.
AERATOR 4 TRAY	19.3 SQ. FT.
2-HIGH SERVICE PUMPS	70 GPM @140 TDH
GAS CHLORINATION SYSTEM	0.25 LB/DAY MIN.
AIR COMPRESSOR	2 CFM @70 P.S.I.
ELECTRICAL CONTROL PANEL AND PUMP CONTROLLER SYSTEM	



PIPE SIZE	THRUST BLOCK	PIPE SIZE	THRUST BLOCK
4"	10" x 10" x 10"	12"	18" x 18" x 18"
6"	12" x 12" x 12"	14"	20" x 20" x 20"
8"	14" x 14" x 14"	16"	22" x 22" x 22"
10"	16" x 16" x 16"	18"	24" x 24" x 24"
12"	18" x 18" x 18"	20"	26" x 26" x 26"
14"	20" x 20" x 20"	22"	28" x 28" x 28"
16"	22" x 22" x 22"	24"	30" x 30" x 30"
18"	24" x 24" x 24"	26"	32" x 32" x 32"
20"	26" x 26" x 26"	28"	34" x 34" x 34"
22"	28" x 28" x 28"	30"	36" x 36" x 36"

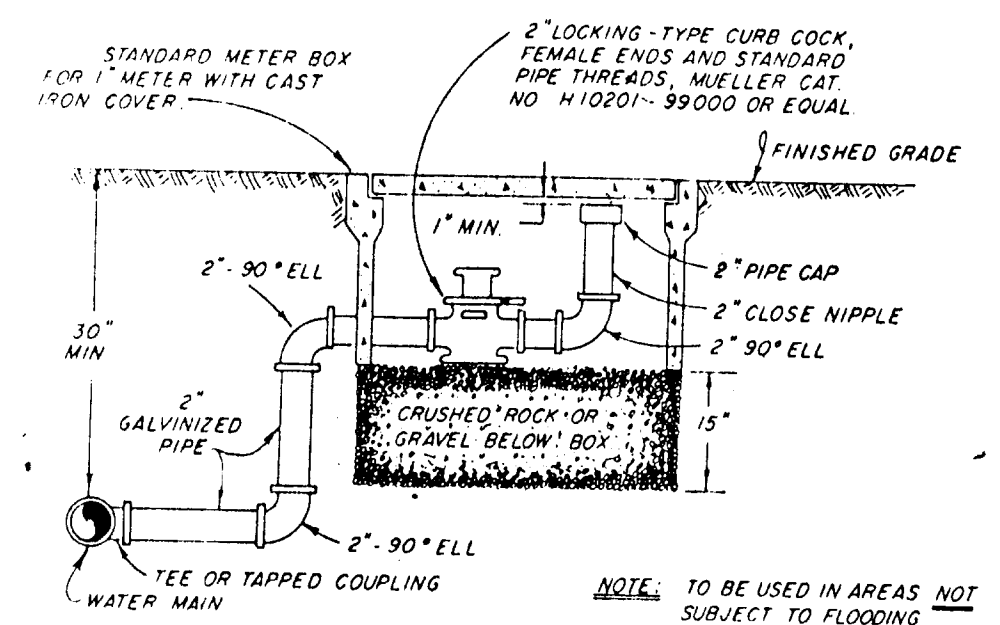
NOTES:
1. ALL BEARING SURFACES TO BE CARRIED TO UNDISTURBED SOIL.
2. THESE TABLES SHOW MINIMUM SIZE THRUST BLOCKS FOR 3000 SOIL (A1 THRU A3, CLAY SAND AND GRAVELS).
3. POOR SOIL (A4 THRU A8, SILTY SOILS, CLAYS, MUCK AND PEAT) WILL REQUIRE LARGER THRUST BLOCKS.

THRUST BLOCKS

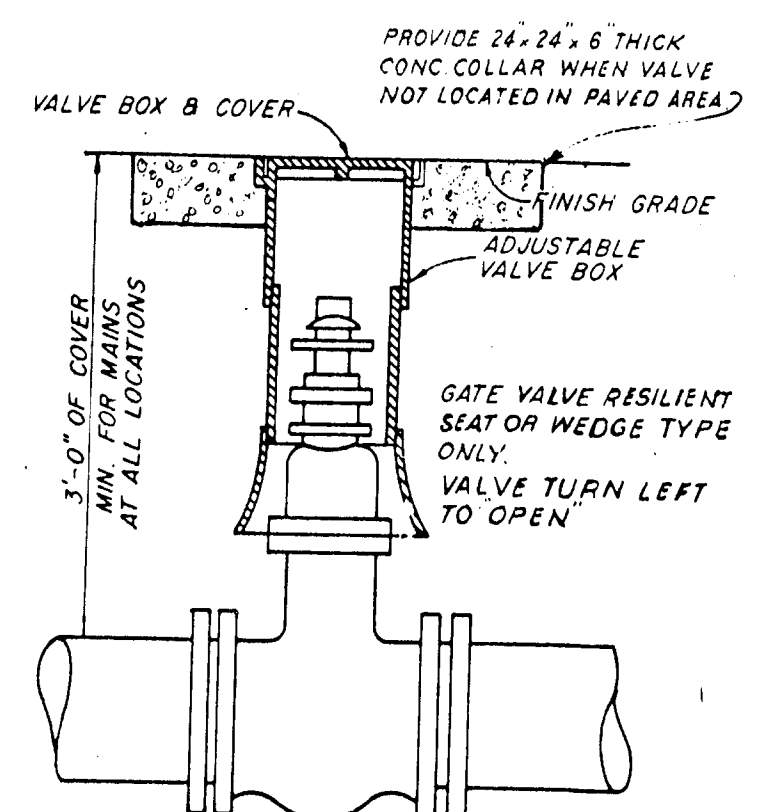


WATER TREATMENT PLANT SITE

FOR AS-BUILT ON WATER TREATMENT PLANT SITE
SEE PLAN AND DETAILS ON SHEET WT1



FLUSHING VALVE BELOW GRADE TYPE



TYPICAL DETAIL GATE VALVE AND BOX

AS-BUILT

I hereby certify that the materials used in the construction of:

- Pavement
- Curb & Gutter
- Storm Drainage
- Water Main
- Sanitary Gravity Sewer
- Force Main
- Lift Station

are in accordance with the approved plans and city specifications, unless otherwise approved by the city engineer.

Name: _____ Date: _____

Signature: _____

JAX UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY
Haskell Building • Jacksonville, Florida 32231-4100 • 904/791-4630

AS-BUILT

In accordance with Chapter 471, Florida Statutes, I hereby certify that the:

- Pavement
- Curb & Gutter
- Storm Drainage
- Water Main
- Sanitary Gravity Sewer
- Force Main
- Lift Station

are at the horizontal and vertical locations as shown on these "AS-BUILT" drawings, and that these improvements are within the easements or right-of-way.

Name: _____ Date: _____

Signature: _____

JAX UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY
Haskell Building • Jacksonville, Florida 32231-4100 • 904/791-4630

3-30-92 RELEASED FOR CONSTRUCTION (UPDATED)

ENG. PROJ. NO. E-91-126-2

DRAWN BY: C.D.T.

CHECKED BY: J.M.

DATE: JAN. 1992

WATER TREATMENT FACILITY

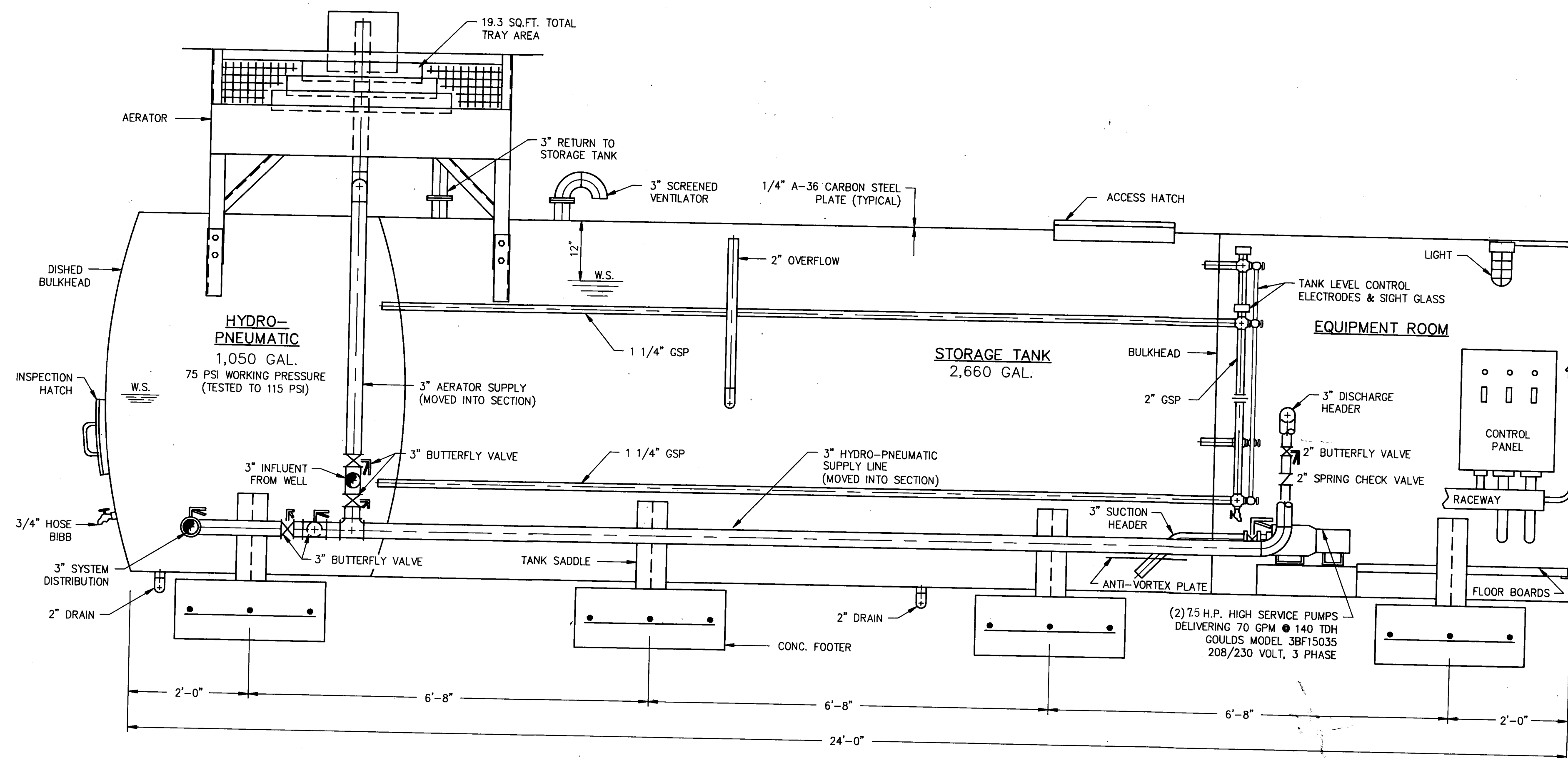
**TRAIL RIDGE LANDFILL
JACKSONVILLE,
FLORIDA**

JACKSONVILLE, FLORIDA

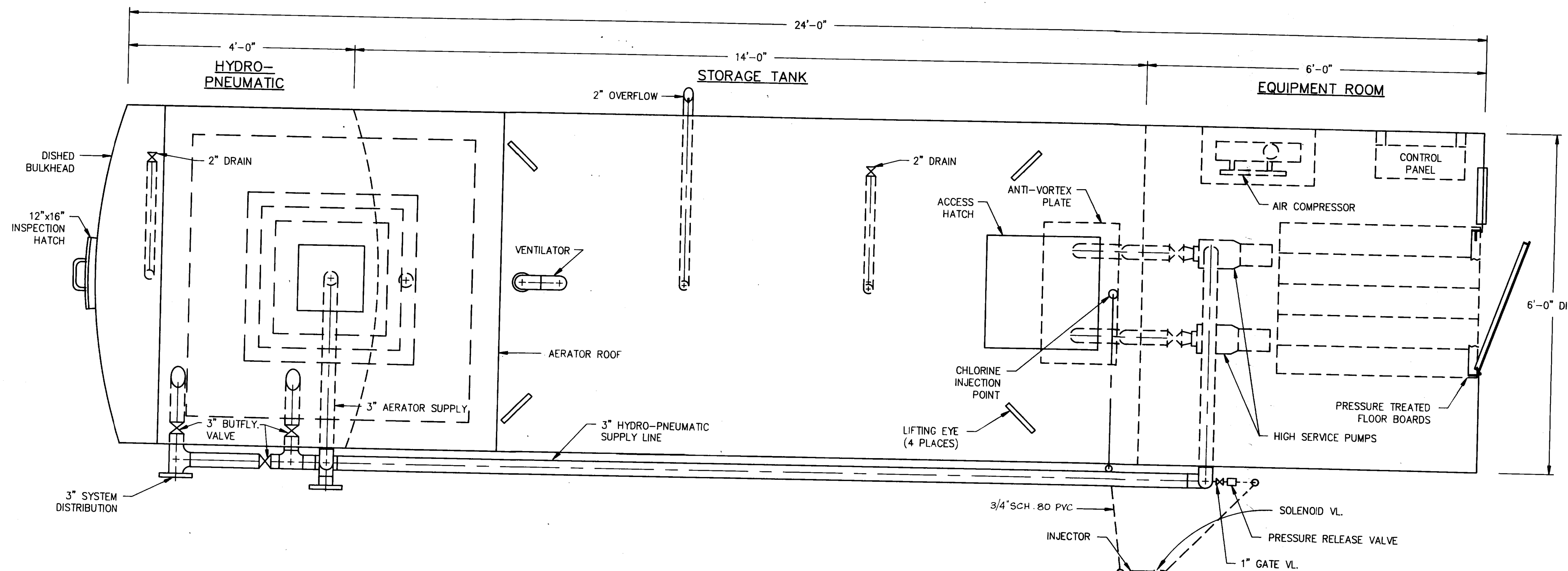
DRAWING NO.

WT 3

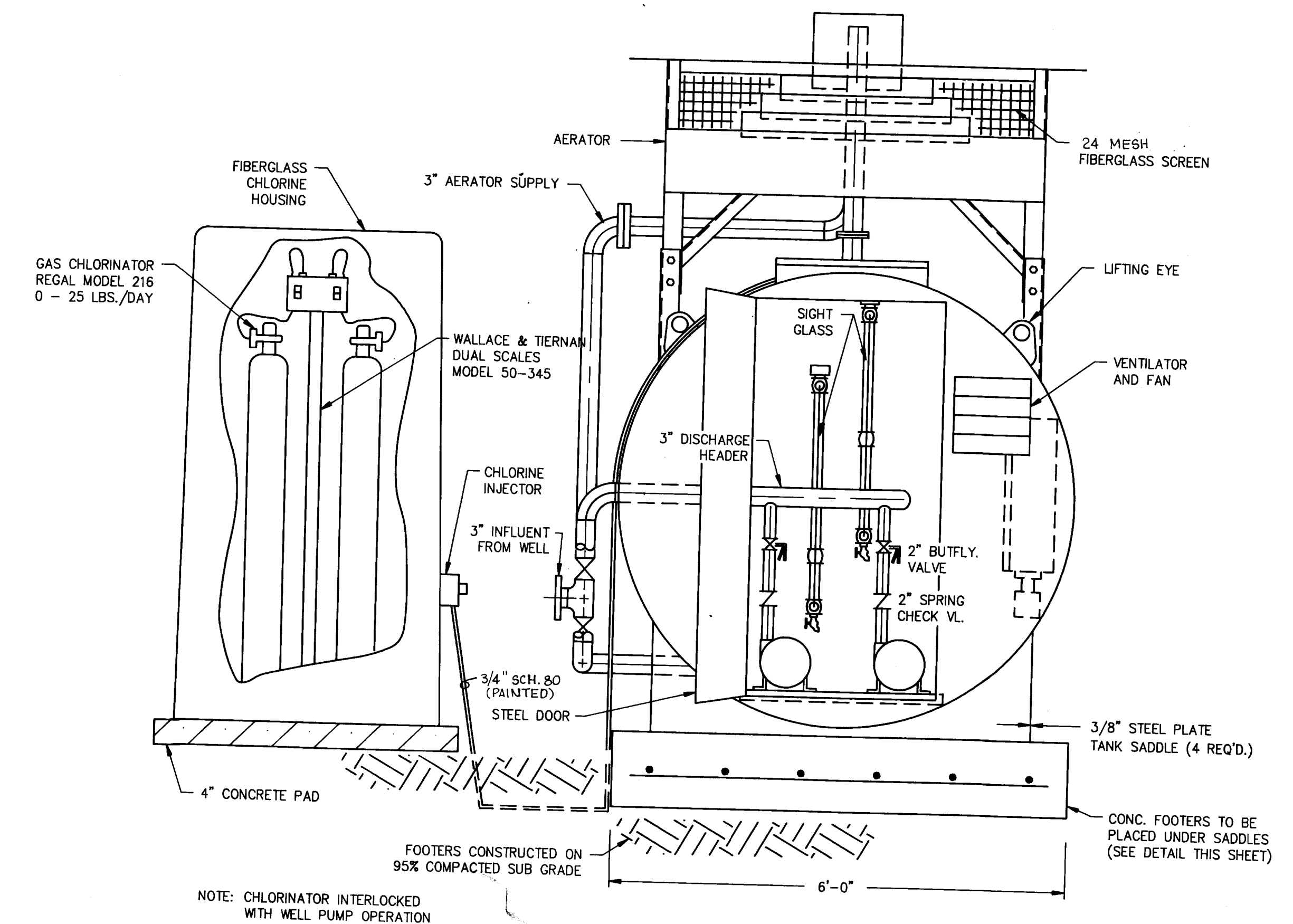
RELEASED FOR CONSTRUCTION



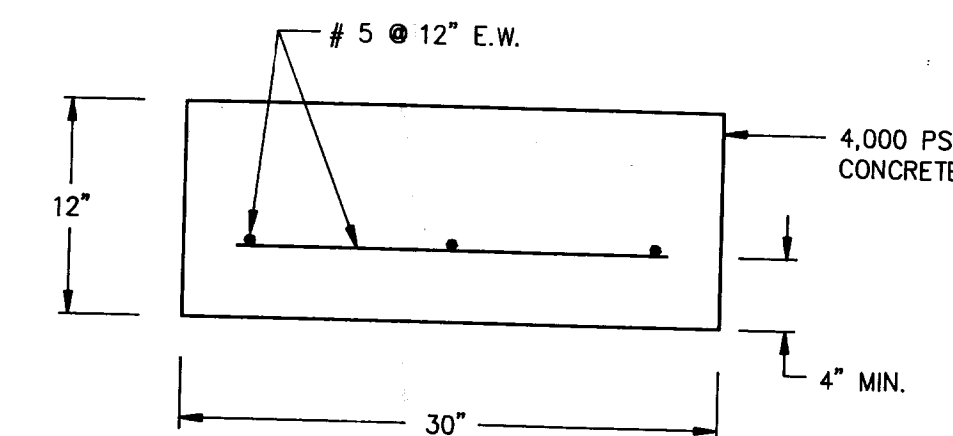
LONGITUDINAL SECTION
SCALE: 3/4"=1'-0"



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



END VIEW
SCALE: 3/4"=1'-0"



FOOTER DETAIL
3/32" SCALE

NOTE:
TANK TO BE CONSTRUCTED OF 1/4" STEEL PLATE. ALL WELDED CONSTRUCTION.
SANDBLAST ALL STEEL SURFACES TO SSPC-SP6 COMMERCIAL BLAST CLEANING SPECIFICATIONS.

PAINTING TO BE AS FOLLOWS:
INTERIOR - INCLUDING AERATOR, STORAGE, AND HYDRO TANK SHALL HAVE TWO COATS OF MOBILE 40-AW-13, 7 MIL. EA. OR 14 MIL. TOTAL DRY FILM THICKNESS.
EXTERIOR - ONE COAT OF MOBILE PRIMER 40-DR-5 H.B. EPOXY, 4 MIL. DFT., ONE FINISH COAT OF MOBILE 72-AQ-2 (TAN BARK) POLYURETHANE ENAMEL 1.5 MIL. DRY FILM THICKNESS.

10,000 G.P.D.
WATER TREATMENT PLANT
"AS BUILT"

Illem Wetherell

WETHERELL TREATMENT SYSTEMS, INC. ORMOND BEACH, FLORIDA			
SCALE AS SHOWN	APPROVED BY <i>SDW</i>	DRAWN BY S. R. J.	
DATE 6 / 8 / 92		REVISED 8-7-92	

TRAIL RIDGE

WT 4

AS-BUILT
I hereby certify that the materials used in the construction of:
Pavement _____
Curb & Gutter _____
Storm Drainage _____
Water Main _____
Sanitary Gravity Sewer _____
Force Main _____
Lift Station _____
are in accordance with the approved plans and city specifications, unless otherwise approved by the city engineer.
Name *Illem Wetherell* Date *7/8/92*
Signature *Illem Wetherell*
JAX UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY
Haskell Building • Jacksonville, Florida 32231-4100 • 904/791-4630

AS-BUILT
In accordance with Chapter 471, Florida Statutes, I hereby certify that the:
Pavement _____
Curb & Gutter _____
Storm Drainage _____
Water Main _____
Sanitary Gravity Sewer _____
Force Main _____
Lift Station _____
are at the horizontal and vertical locations as shown on these "AS-BUILT" drawings, and that these improvements are within the easements or right-of-way.
Name *Illem Wetherell* Date *7/8/92*
Signature *Illem Wetherell* FL Prof. Eng. No. *20429*
JAX UTILITIES CONSTRUCTION
DIVISION OF THE HASKELL COMPANY
Haskell Building • Jacksonville, Florida 32231-4100 • 904/791-4630