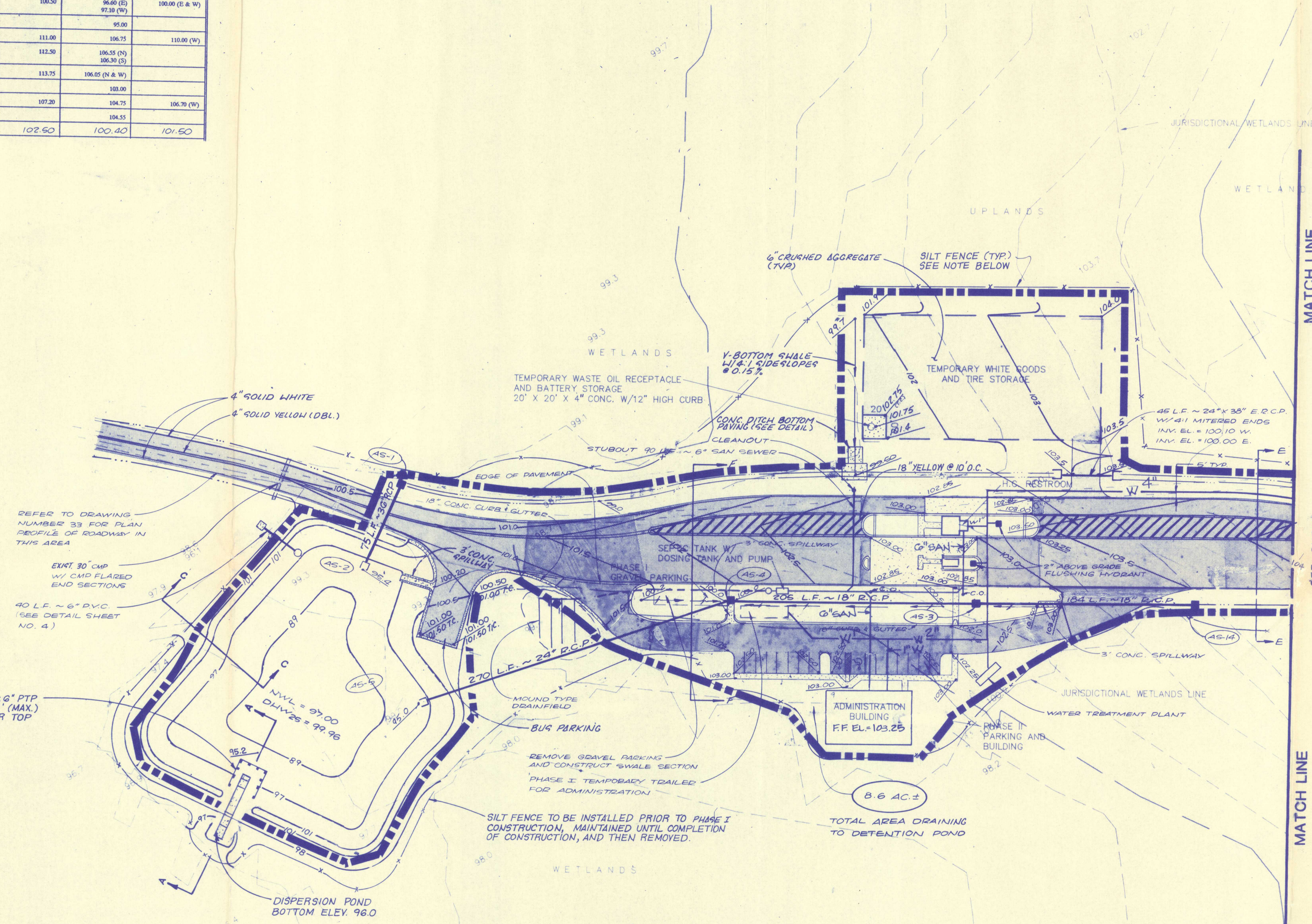


SCHEDULE OF DRAINAGE STRUCTURES				
STRUCTURE NUMBER	TYPE	TOP ELEVATION	INVERT ELEVATION	SLOT ELEVATION
AS-1	E DITCH BOTTOM	99.50	95.50	98.50 (W)
AS-2	U TYPE ENDWALL		95.40	
AS-3	E DITCH BOTTOM INLET	100.50	97.50 (E) 98.00 (W)	100.00 (E & W)
AS-4	E DITCH BOTTOM INLET	100.50	96.60 (E) 97.10 (W)	100.00 (E & W)
AS-5	U TYPE ENDWALL		95.00	
AS-6	C DITCH BOTTOM INLET	111.00	106.75	110.00 (W)
AS-7	C INLET	112.50	106.55 (N) 106.30 (S)	
AS-8	C INLET	113.75	106.05 (N & W)	
AS-9	U TYPE ENDWALL		103.00	
AS-10	C INLET	107.20	104.75	106.70 (W)
AS-11	U TYPE ENDWALL		104.55	
AS-14	C INLET	102.50	100.40	101.50

AS-12 AND AS-13 NOT USED

NORTH
SCALE: 1"=50'



MATCH LINE

SEE SHEET 3

MATCH LINE

PERMIT DRAWING 3-25-92

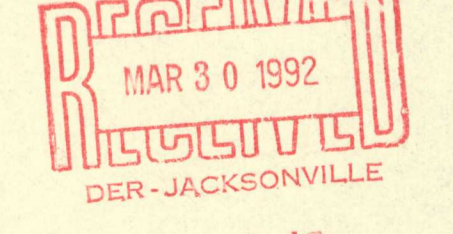
GRADING, PAVING & DRAINAGE PLAN
FOR ANCILLARY FACILITIES

TRAILRIDGE LANDFILL

England-Thims & Miller, Inc.
Consulting & Design Engineers
JACKSONVILLE, FLORIDA

LEGEND

- EXISTING: 136 ---
- PROPOSED: 125.0
- SPOT ELEVATION: 260
- CONTOUR: 260
- DRAINAGE BOUNDARY: [Symbol]
- MITERED END SECTION: [Symbol]
- DRAINAGE INLET: [Symbol]
- PAVED ROADWAY AREA: [Symbol]
- CONC. DITCH PAVING: [Symbol]
- STRUCTURE NUMBER: (AS-1)



England, Thims & Miller, Inc.
MAR 26 1992

WAOS
33628

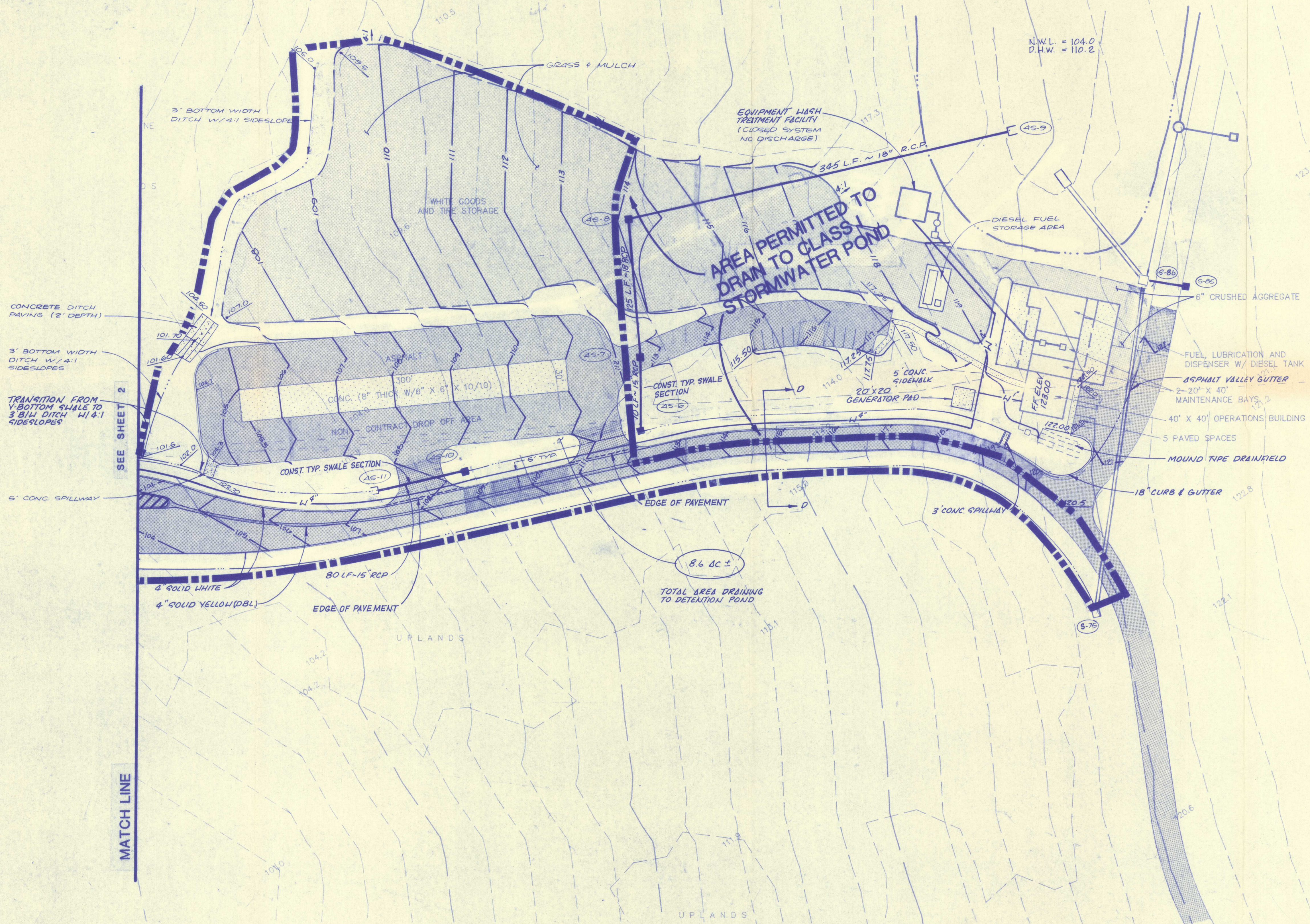
DRAWING NO.

A2

PROJ. NO. E81-113-9

SCHEDULE OF DRAINAGE STRUCTURES				
STRUCTURE NUMBER	TYPE	TOP ELEVATION	INVERT ELEVATION	SLOT ELEVATION
AS-1	E DITCH BOTTOM	99.50	95.50	98.50 (W)
AS-2	U TYPE ENDWALL		95.40	
AS-3	E DITCH BOTTOM INLET*	100.50	97.50 (E) 98.00 (W)	100.00 (E & W)
AS-4	E DITCH BOTTOM INLET*	100.50	96.60 (E) 97.10 (W)	100.00 (E & W)
AS-5	U TYPE ENDWALL		95.00	
AS-6	C DITCH BOTTOM INLET	111.00	106.75	110.00 (W)
AS-7	C INLET	112.50	106.55 (N) 106.30 (S)	
AS-8	C INLET	113.75	106.65 (N & W)	
AS-9	U TYPE ENDWALL		103.00	
AS-10	C INLET	107.20	104.75	106.70 (W)
AS-11	U TYPE ENDWALL		104.55	
AS-14	C INLET	102.50	100.40	101.50

AS-12 AND AS-13 NOT USED



NORTH
SCALE: 1" = 50'

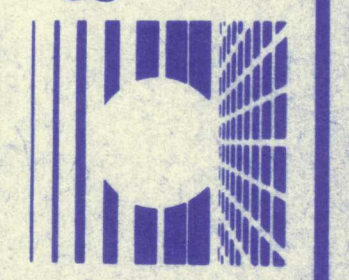
NOTE: FIRE HYDRANTS DELETED FROM CLASS II STORMWATER PUMP STATION. FIRE HYDRANTS TO BE SERVED BY FUTURE INDEPENDENT SUPPLY.

REVISIONS
2-20-92 DEvised TABLE OF STRUCTURES
8-15-92 SHOWN DIESEL FUEL STORAGE AREA

ENG. PROJ. NO. E89-113-1
DRAWN BY: TLD
CHECKED BY: JAT
DATE: 1-6-92

PERMIT DRAWING 3-25-92
GRADING, PAVING & DRAINAGE PLAN FOR ANCILLARY FACILITIES
TRAILRIDGE LANDFILL

England-Thims & Miller, Inc.
Consulting & Design Engineers
JACKSONVILLE, FLORIDA



DRAWING NO.

A3

PROJ. NO. E89-113-1

LEGEND

- EXISTING: 131.4, 136
- PROPOSED: 125.0
- SPOT ELEVATION
- CONTOUR
- DRAINAGE BOUNDARY
- MITERED END SECTION
- DRAINAGE INLET
- PAVED ROADWAY AREA
- CONC. DITCH PAVING
- STRUCTURE NUMBER

MATCH LINE

CONCRETE DITCH PAVING (2' DEPTH)
3' BOTTOM WIDTH DITCH W/4:1 SIDESLOPES
TRANSITION FROM V-BOTTOM SWALE TO 3' BOTTOM DITCH W/4:1 SIDESLOPES
SEE SHEET 2

5' CONC. SPILLWAY

4" SOLID WHITE
4" SOLID YELLOW (DBL)

EDGE OF PAVEMENT

EDGE OF PAVEMENT

8.6 AC ±
TOTAL AREA DRAINING TO DETENTION POND

UPLANDS

UPLANDS

AREA PERMITTED TO DRAIN TO CLASS I STORMWATER POND

EQUIPMENT WASH TREATMENT FACILITY (CLOSED SYSTEM NO DISCHARGE)

N.W.L. = 104.0
D.H.W. = 110.2

345 LF ~ 18" R.C.P.

DIESEL FUEL STORAGE AREA

6" CRUSHED AGGREGATE

FUEL LUBRICATION AND DISPENSER W/ DIESEL TANK

ASPHALT VALLEY GUTTER

2-20' X 40' MAINTENANCE BAYS

40' X 40' OPERATIONS BUILDING

5 PAVED SPACES

MOUND TYPE DRAINFIELD

18" CURB & GUTTER

3' CONC. SPILLWAY

5' CONC. SIDEWALK

20' X 20' GENERATOR PAD

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

FF ELEV 125.00

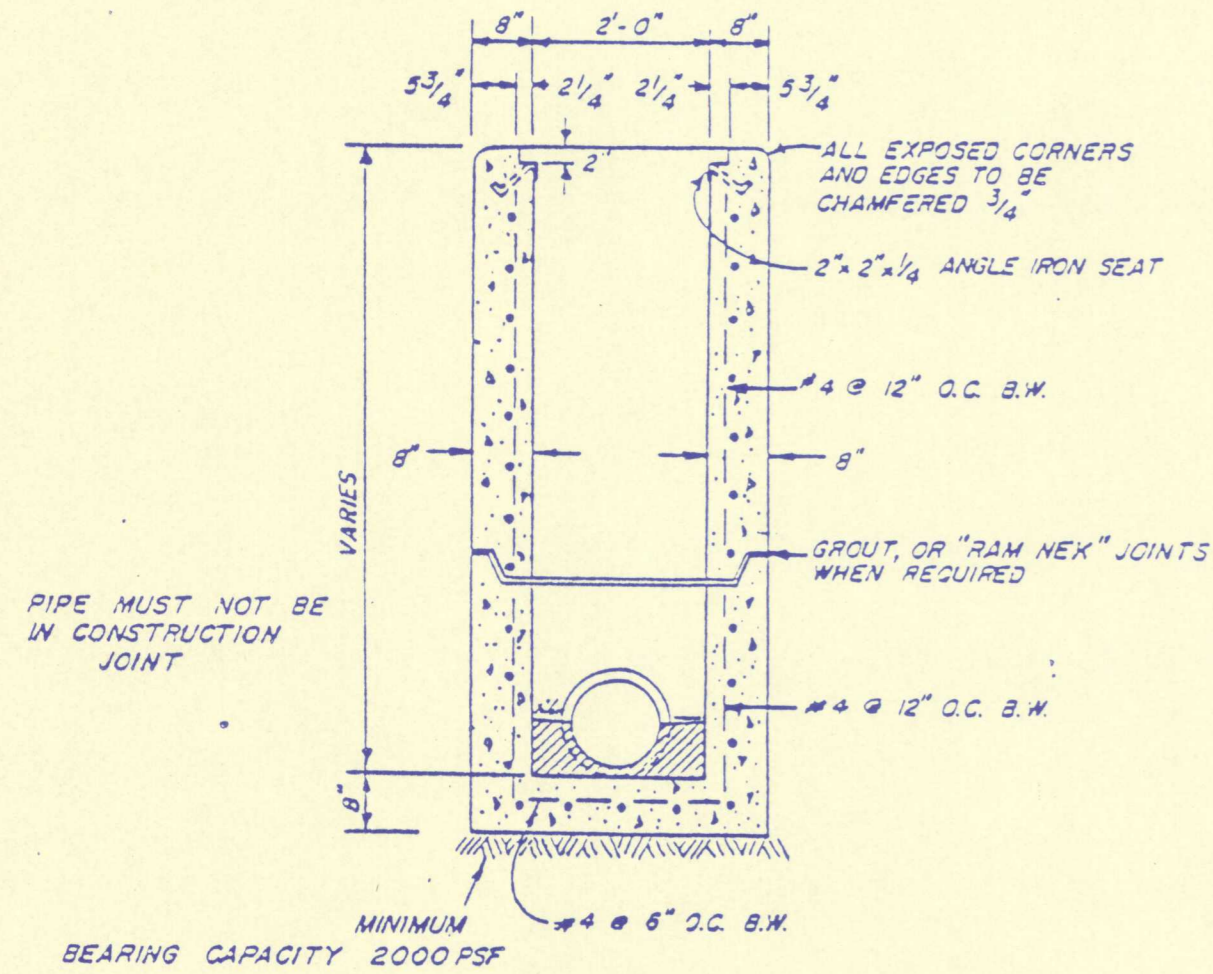
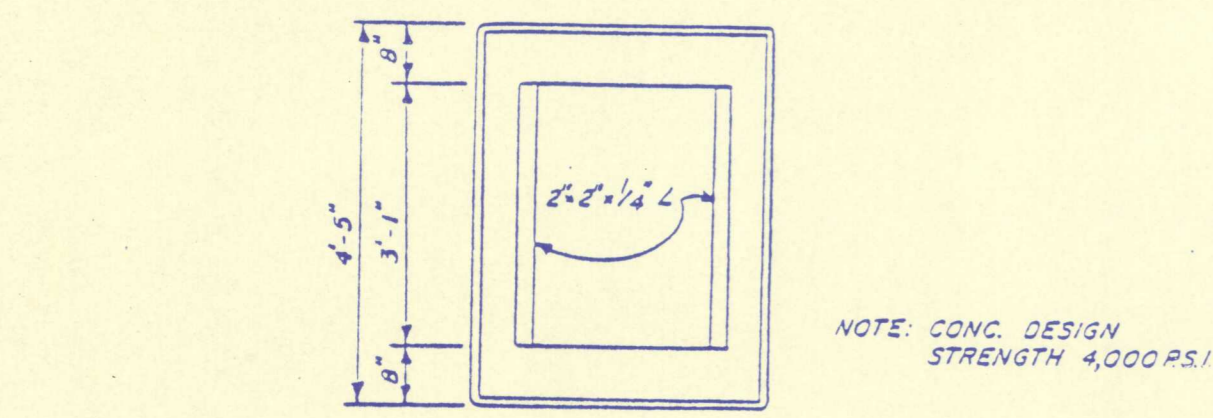
FF ELEV 125.00

FF ELEV 125.00

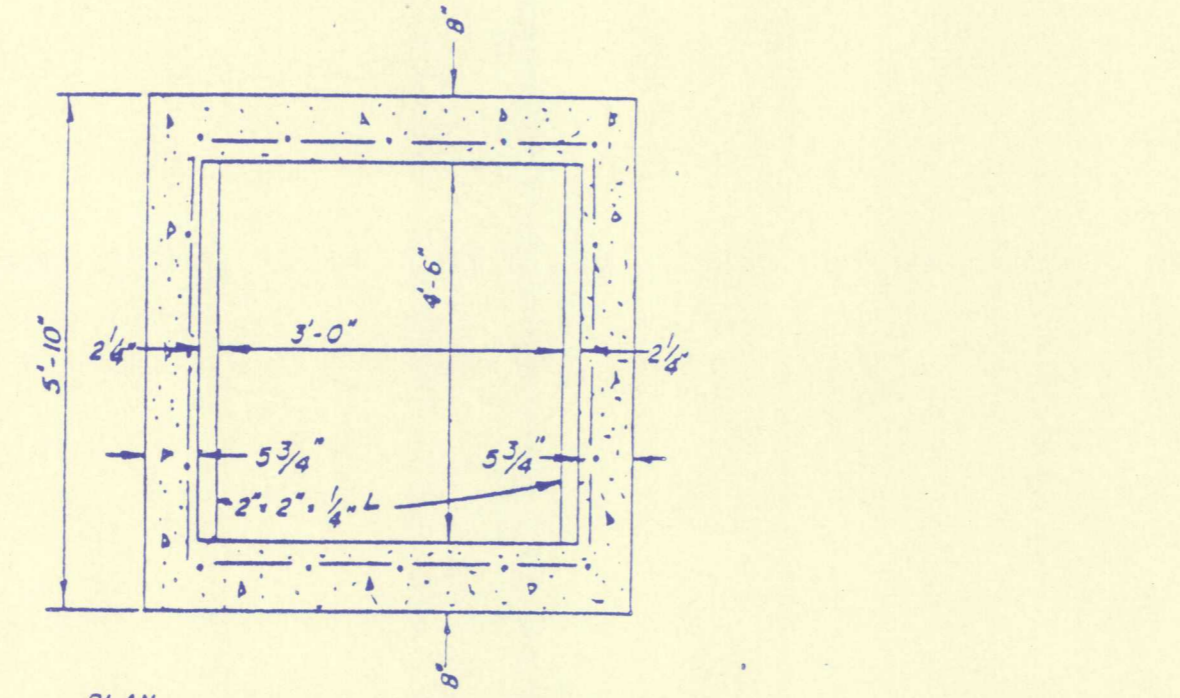
FF ELEV 125.00

FF ELEV 125.00

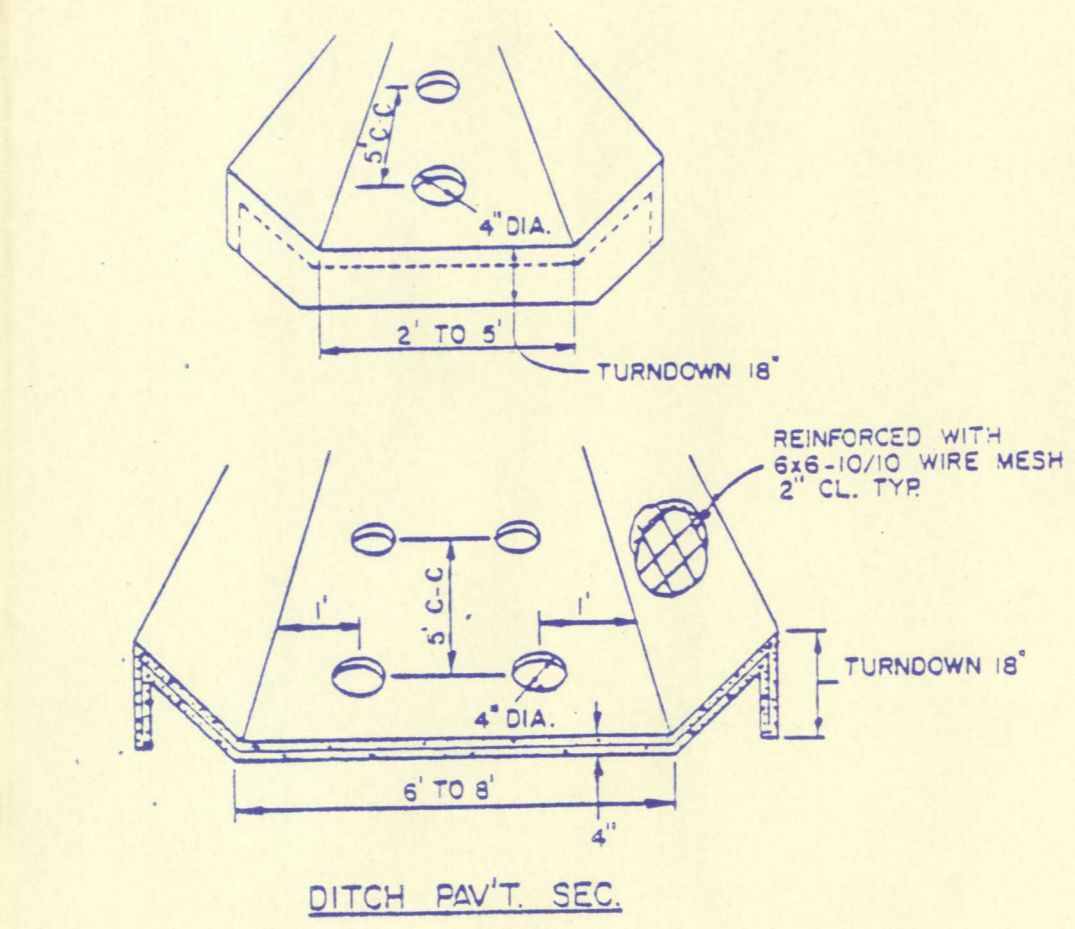
FF ELEV 125.00



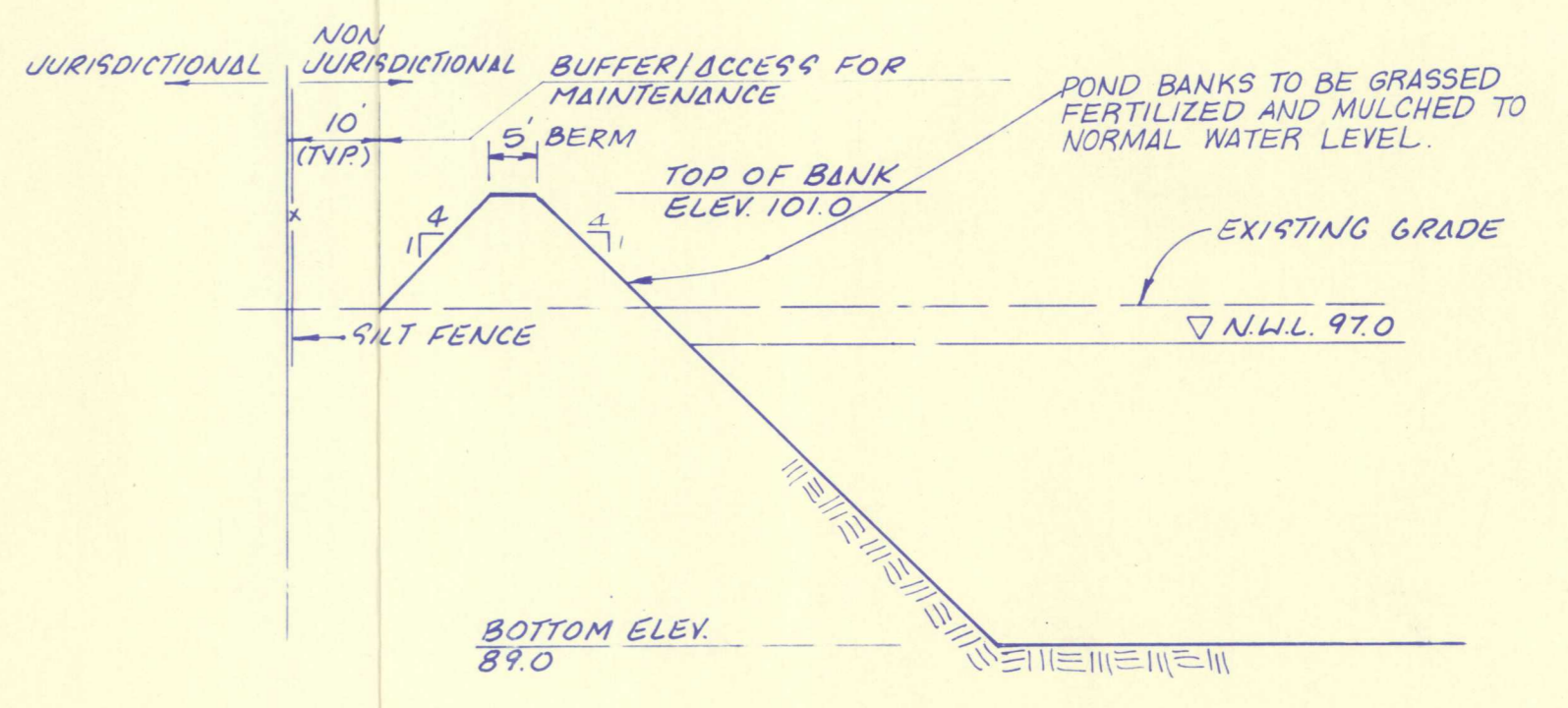
TYPE "E" INLET



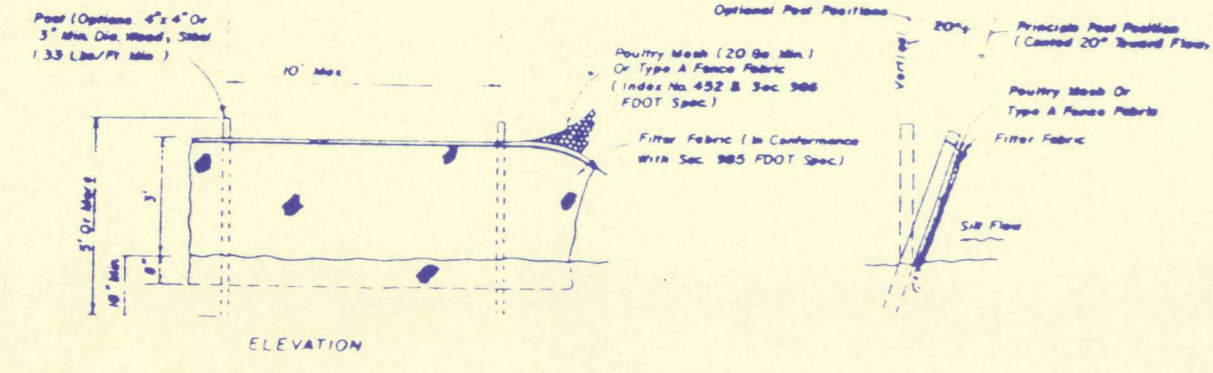
TYPE "C" INLET



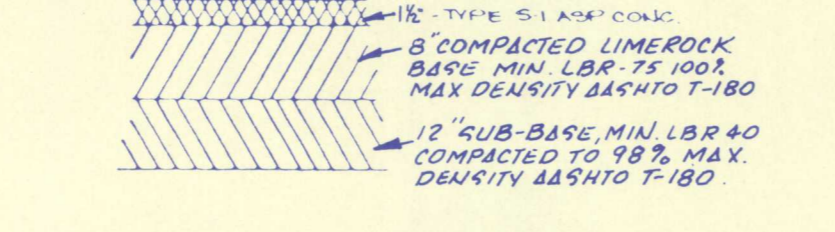
CONC. DITCH PAVING



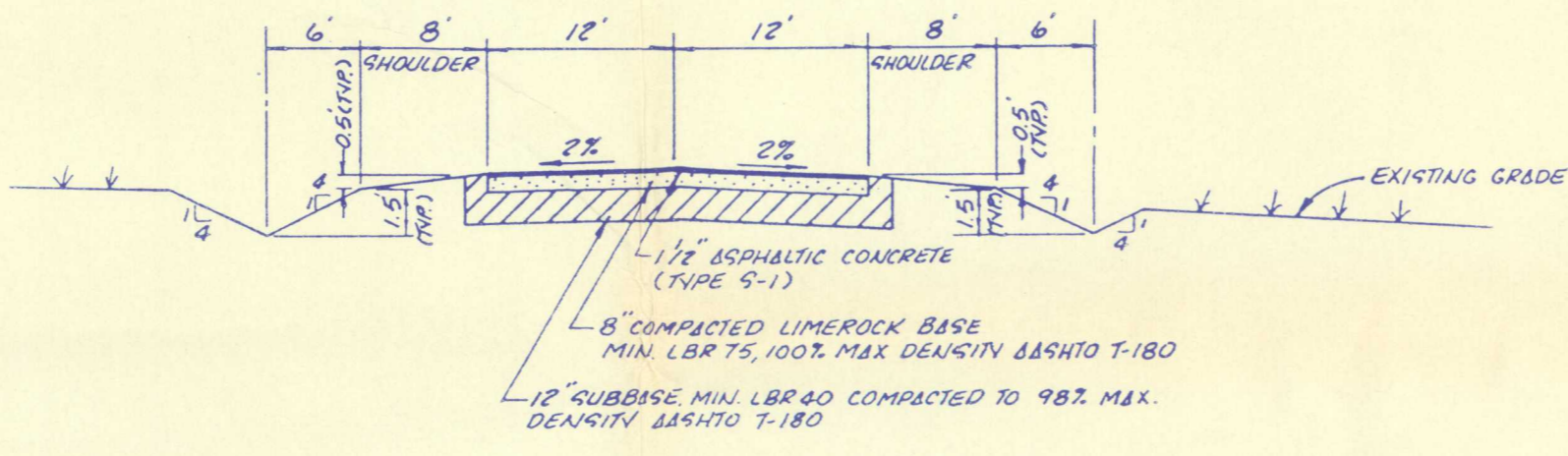
SECTION C-C (POND CROSS SECTION) N.T.S.



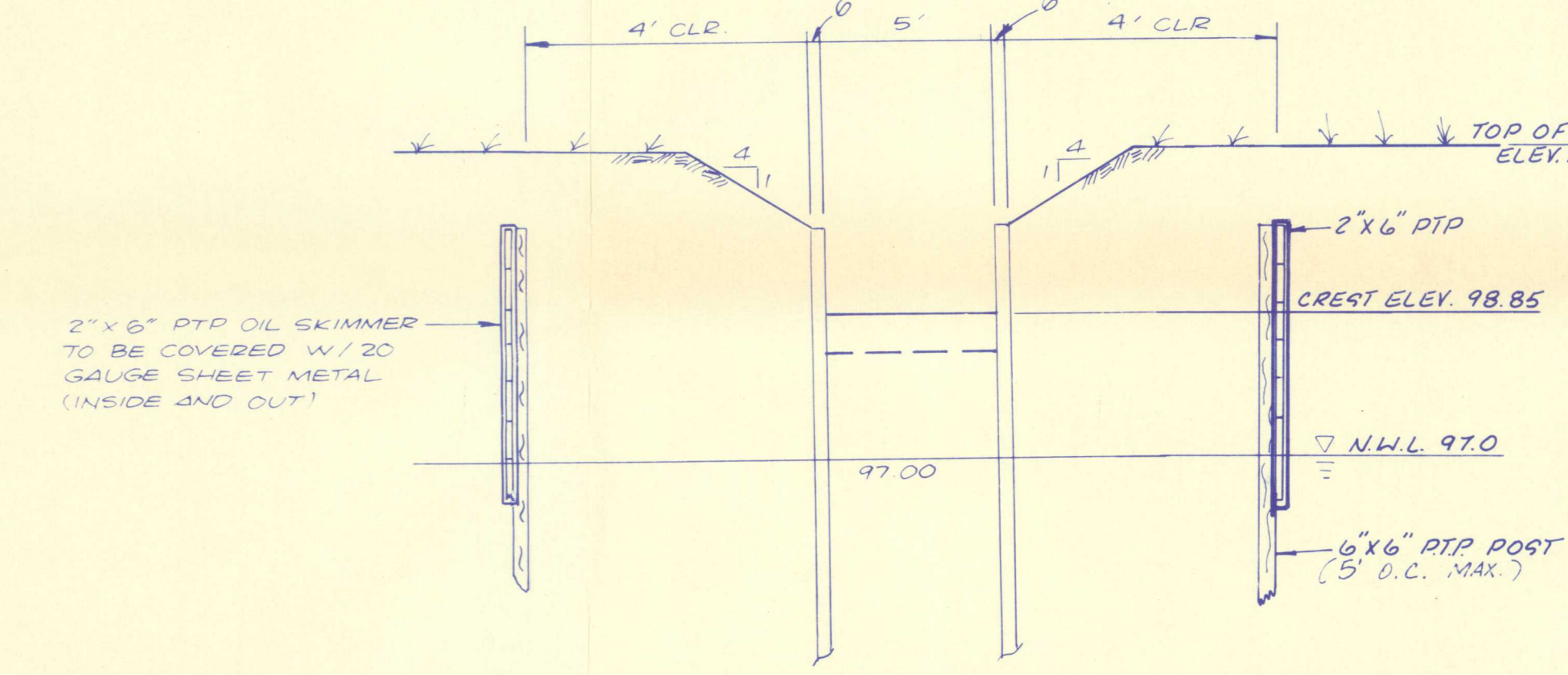
SILT FENCE - TYPICAL DETAIL N.T.S.



ASPHALT PAVEMENT SECTION



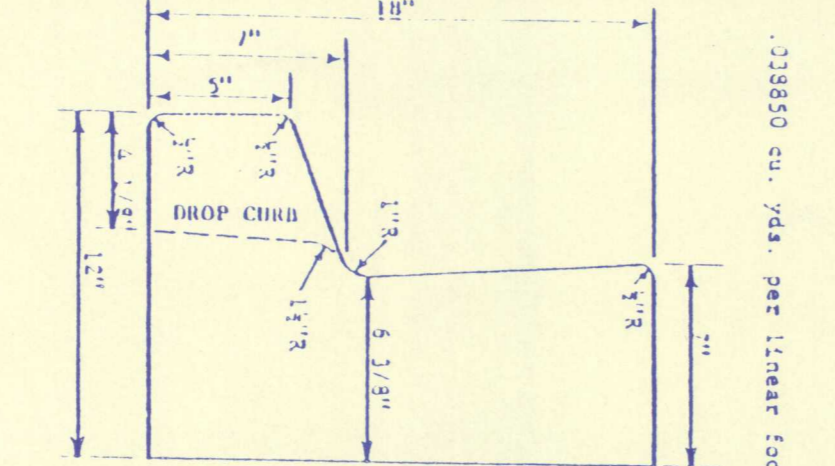
SECTION D-D



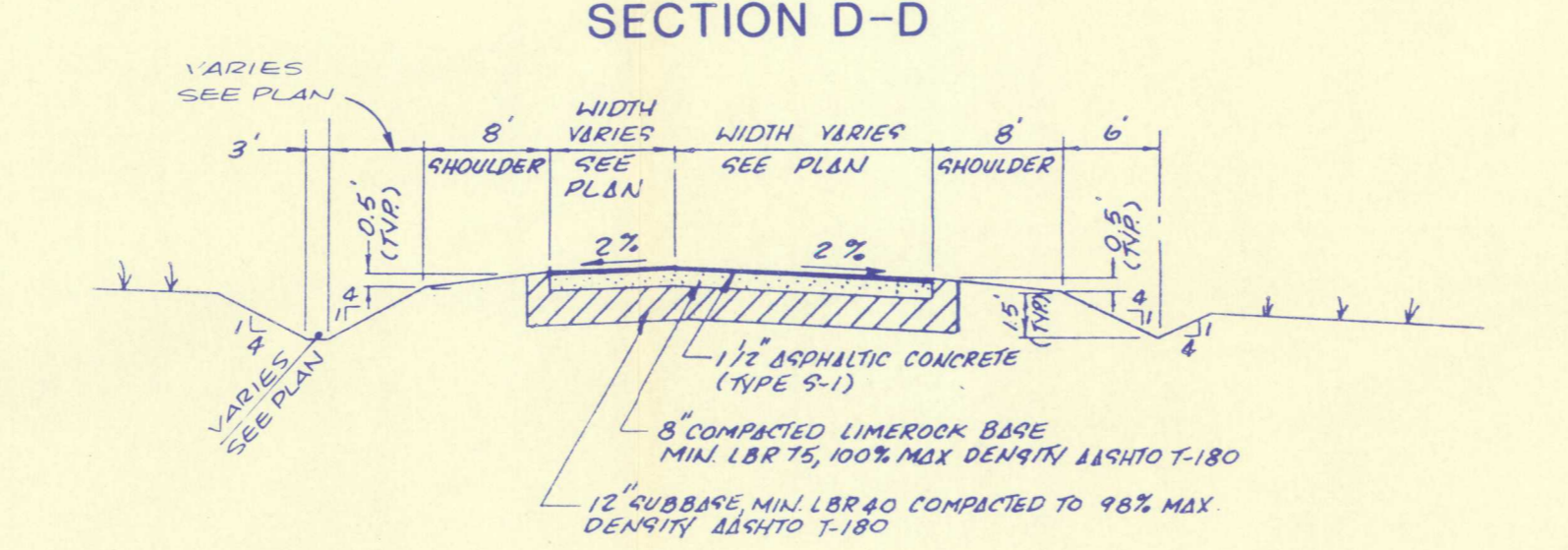
SECTION B-B N.T.S.

- NOTES:
- STEEL POSTS WHICH SUPPORT SILT FENCE TO BE INSTALLED ON A SLIGHT ANGLE TOWARD THE ANTICIPATED RUNOFF SOURCE.
 - TOP OF SILT FENCE TO BE TRENCHED IN WITH SPADE OR MECHANICAL TRENCHER SO THAT DOWNSLOPE FACE OF TRENCH IS FLAT AND PERPENDICULAR TO LINE OF FLOW.
 - TRENCH TO BE MIN. OF 6 INCHES DEEP AND THREE TO FOUR FEET WIDE TO ALLOW FOR SILT FENCE TO BE LAID IN GROUND AND BACKFILLED.
 - SILT FENCE TO BE SECURELY FASTENED TO EACH STEEL SUPPORT POST OR TO WOODEN RAIL WHICH IS IN TURN ATTACHED TO STEEL FENCE POST.
 - ACCUMULATED SILT TO BE REMOVED WHEN IT REACHES DEPTH OF 6 INCHES AND UNIFORMLY DISTRIBUTED OVER SOIL IN PROJECT CONSTRUCTION AREA.
 - REMOVE AND DISPOSE OF SILT FENCE AFTER PROJECT HAS BEEN ACCEPTED BY OWNER AT NO ADDITIONAL COST TO OWNER.

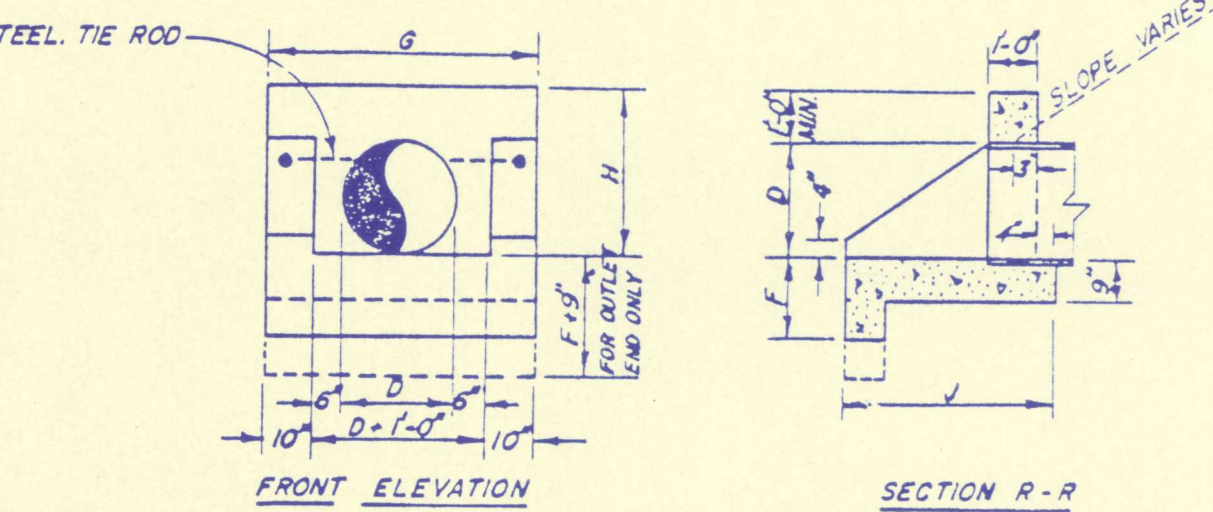
SILT FENCE DETAIL



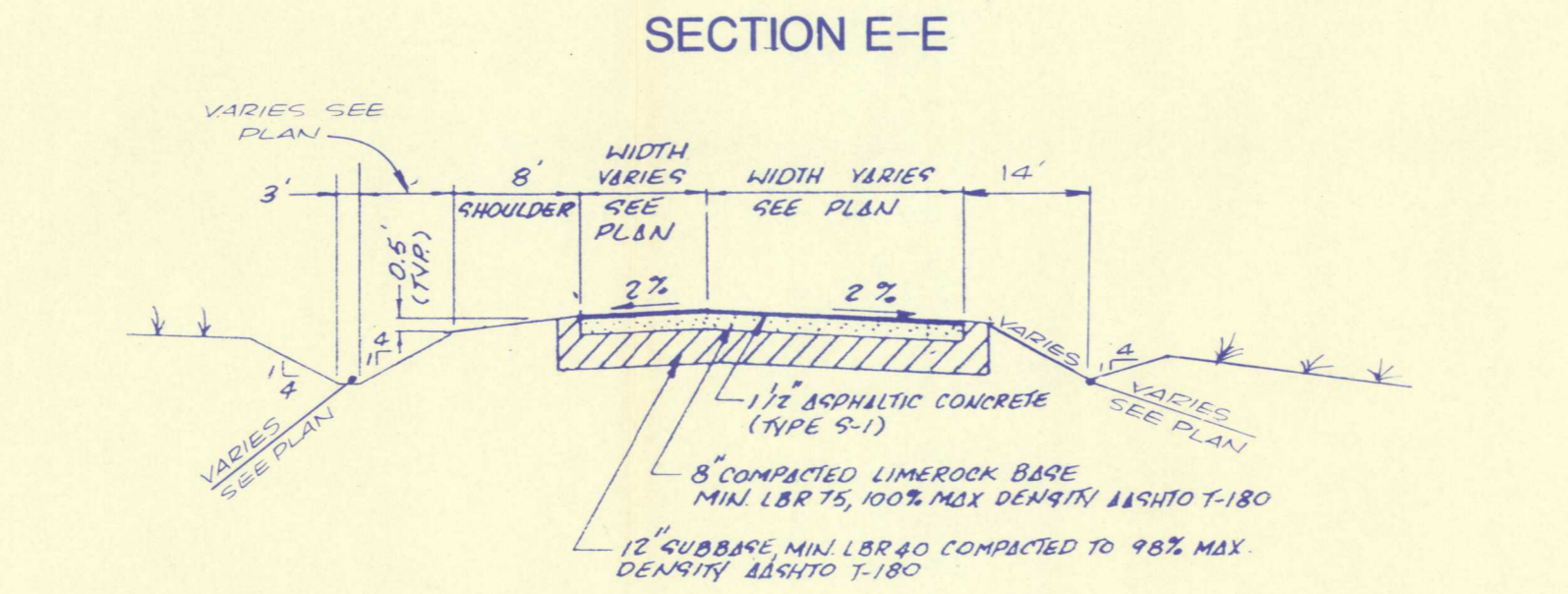
CITY STD. CURB AND GUTTER



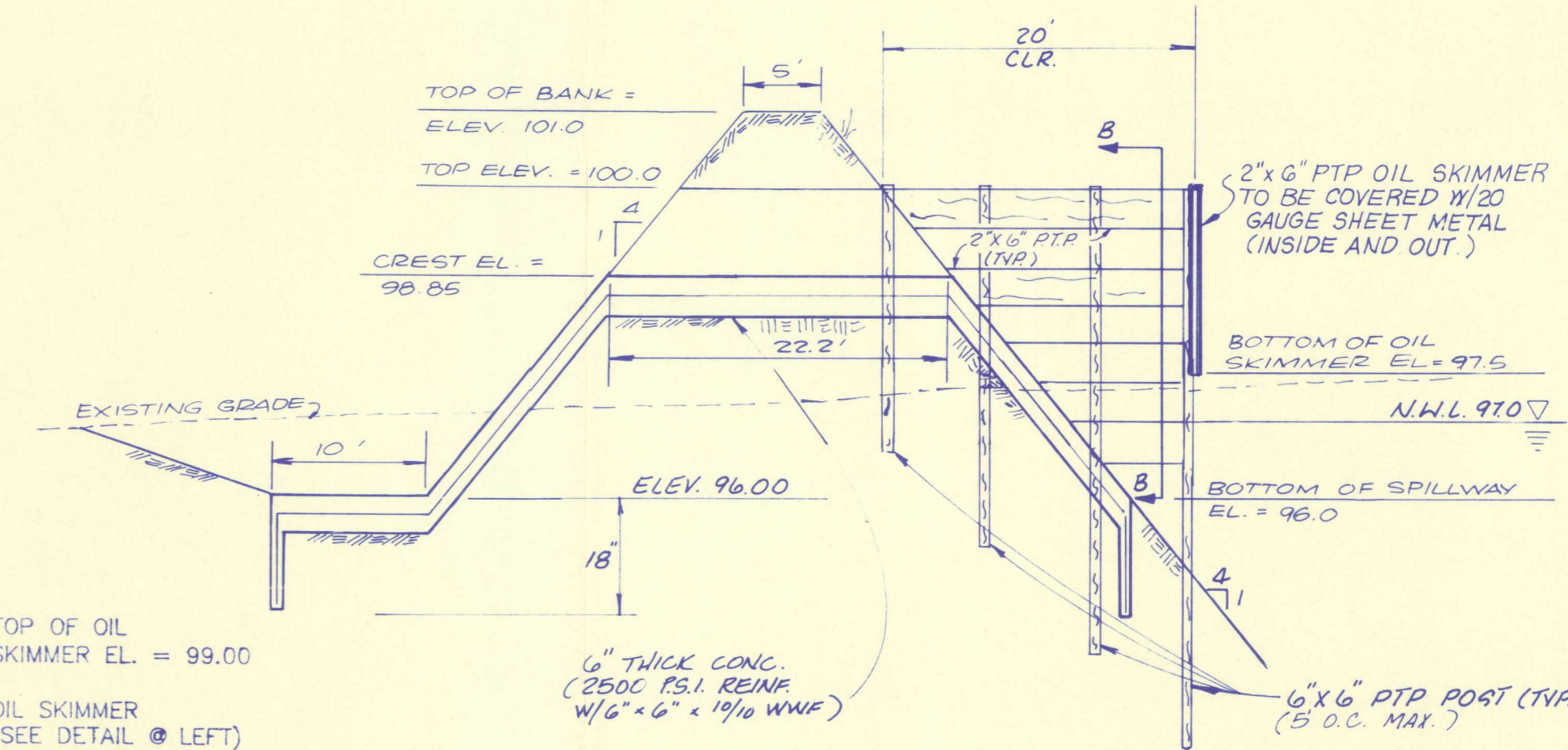
SECTION E-E



U-TYPE ENDWALL



SECTION F-F

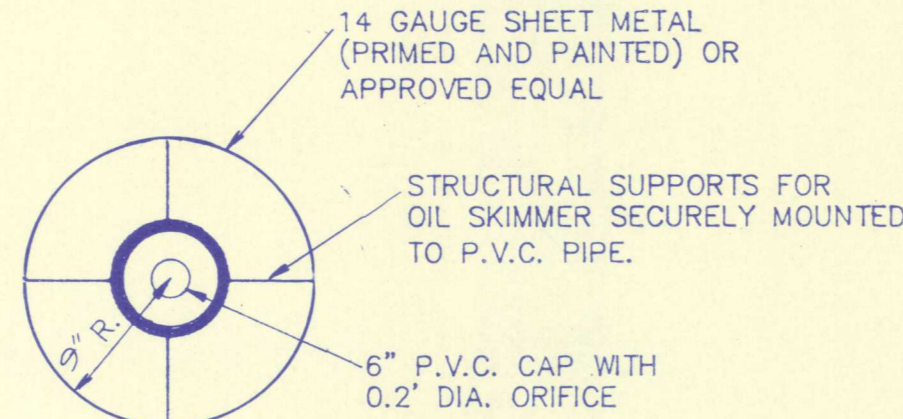


SECTION A-A (SPILLWAY DETAIL)

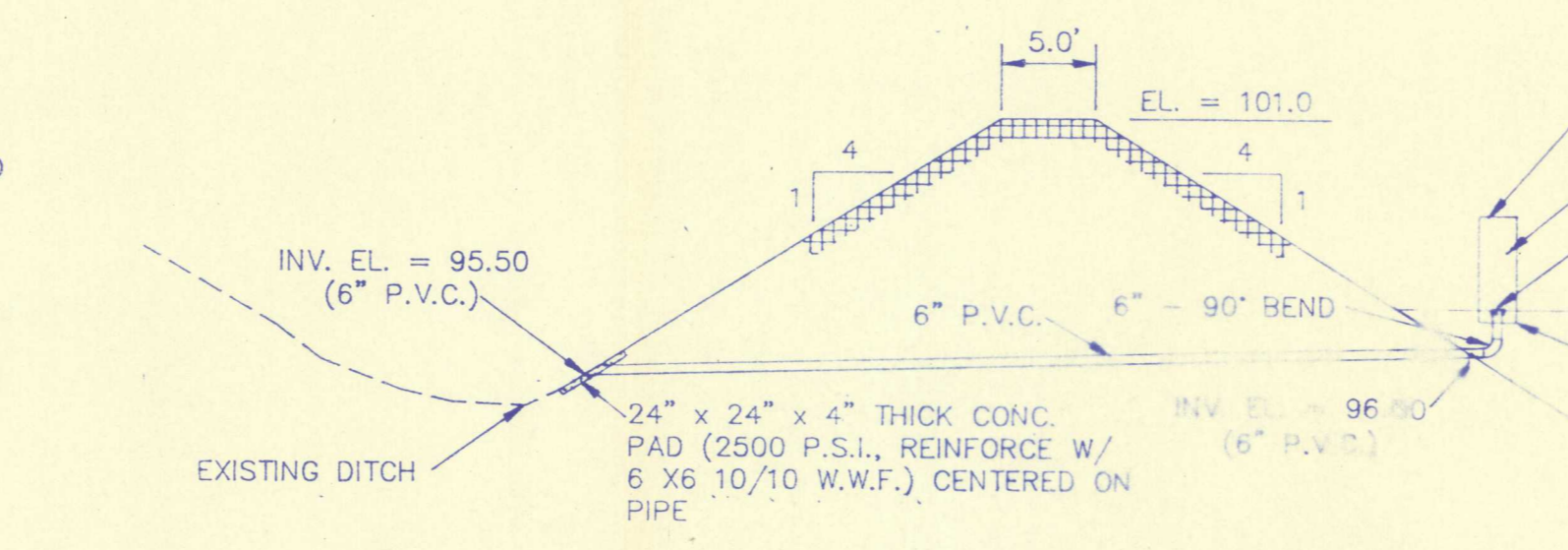
NOTE: CHAMFER ALL EXPOSED EDGES 3/8" MIN. BEARING CAPACITY 2000 P.S.I. WHERE TIE RODS ARE REQUIRED, THE COST OF THE SAME SHALL BE INCLUDED IN THE UNIT PRICE BID FOR 3,000 P.S.I. CONCRETE.

TABLE OF DIMENSIONS AND ESTIMATED QUANTITIES PIPE CULVERT ENDWALLS WITH U-TYPE WINGS

OPENING DIMENSIONS	WALL	FOOTING	QUANTITIES IN ONE ENDWALL						STEEL TIE RODS
			CONC.	PIPE	INLET	OUTLET	INLET	OUTLET	
18" x 12"	12" x 12"	12" x 12"	0.58	0.58	0.58	0.58	0.58	0.58	NONE
24" x 18"	18" x 18"	18" x 18"	0.81	0.81	0.81	0.81	0.81	0.81	NONE
30" x 24"	24" x 24"	24" x 24"	1.04	1.04	1.04	1.04	1.04	1.04	2-3/4" x 2'-0"
36" x 30"	30" x 30"	30" x 30"	1.27	1.27	1.27	1.27	1.27	1.27	2-3/4" x 2'-0"
42" x 36"	36" x 36"	36" x 36"	1.50	1.50	1.50	1.50	1.50	1.50	2-3/4" x 2'-0"
48" x 42"	42" x 42"	42" x 42"	1.73	1.73	1.73	1.73	1.73	1.73	2-3/4" x 2'-0"



OIL SKIMMER DETAIL



POND BLEED DOWN STRUCTURE DETAIL

PERMIT DRAWING 3-25-92

PAVING AND DRAINAGE DETAILS FOR ANCILLARY FACILITIES TRAILRIDGE LANDFILL

England-Thims & Miller, Inc. Consulting & Design Engineers JACKSONVILLE, FLORIDA



DRAWING NO. A4