

ATTACHMENTS TO PERMIT APPLICATION
FOR
CITY ENVIRONMENTAL SERVICES OF FLORIDA, INC. OF FLORIDA
(CESF)

2002 North Orient Road
Tampa, Florida 33619

FLD 981 932 494

H029-263213

RECEIVED
DEC 30 1999
Department of Environmental Protection
BY SOUTHWEST DISTRICT

RECEIVED
JAN 18 2000
Maitland, Florida

Maps

- 10.1 Topographic Map – Brandon, Florida
- 10.2 Topographic Map – Tampa, Florida
- 10.3 City of Tampa Zoning Map
- 10.4 Aerial photograph with Contours
- 10.5 Hillsborough County Aerial Photograph
- 10.6 Flood Insurance Rate Map (NFIP, FEMA)

Drawings

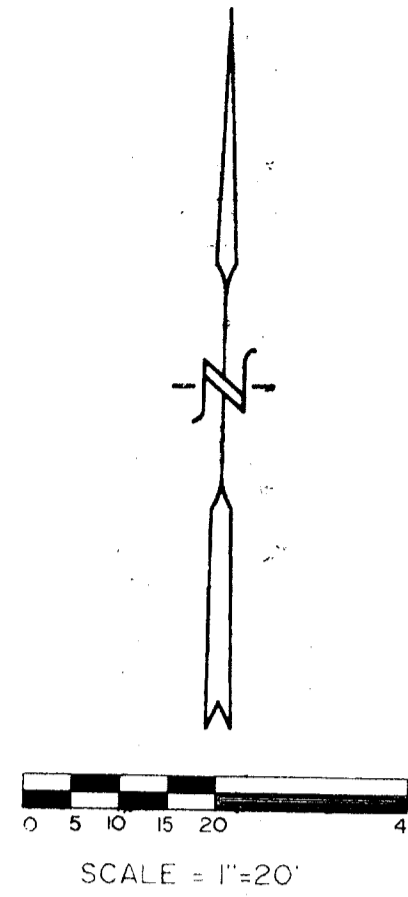
- 9.1 Site and landscape Plan
- 9.2 Grading, Paving, Drainage and Utility Plan
- 9.3 Grading, Paving, and Drainage Details
- 9.4 Grading, Paving, and Drainage Details
- 9.5 Water Details
- 9.6 Sewer Details
- 9.7 Coordinate Details
- 9.8 Coordinate Listing

Facility record drawings

- 8.1 Facility Site Plan and drawings
- 8.2 Facility Warehouse Drawing

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SHEET 7 OF 8	COORDINATE GEOMETRY PLAN
SHEET 8 OF 8	COORDINATE LISTINGS



NOTE:
BUILDING TO BE TYPE I
CONSTRUCTION CONCRETE BLOCK
STRUCTURE. BUILDING TO BE SERVICED
BY FIRE SPRINKLER SYSTEM.
(BOTH WATER SYSTEM AND FOAM SYSTEM)
(PLEASE SEE ARCHITECTURAL DRAWINGS.)

LEGEND

<u>EXISTING</u>	
GRADE	xx 00.00
TREE	(Symbol)
<u>PROPOSED</u>	
GRADE	00.00
TREE	(Symbol)
TREE BARRICADES	(Symbol)
HEDGE	(Symbol)
SWALE	(Symbol)
CONCRETE	(Symbol)
ASPHALT	(Symbol)
REMOVE TREE	(Symbol)
FINISHED GRADE	FG

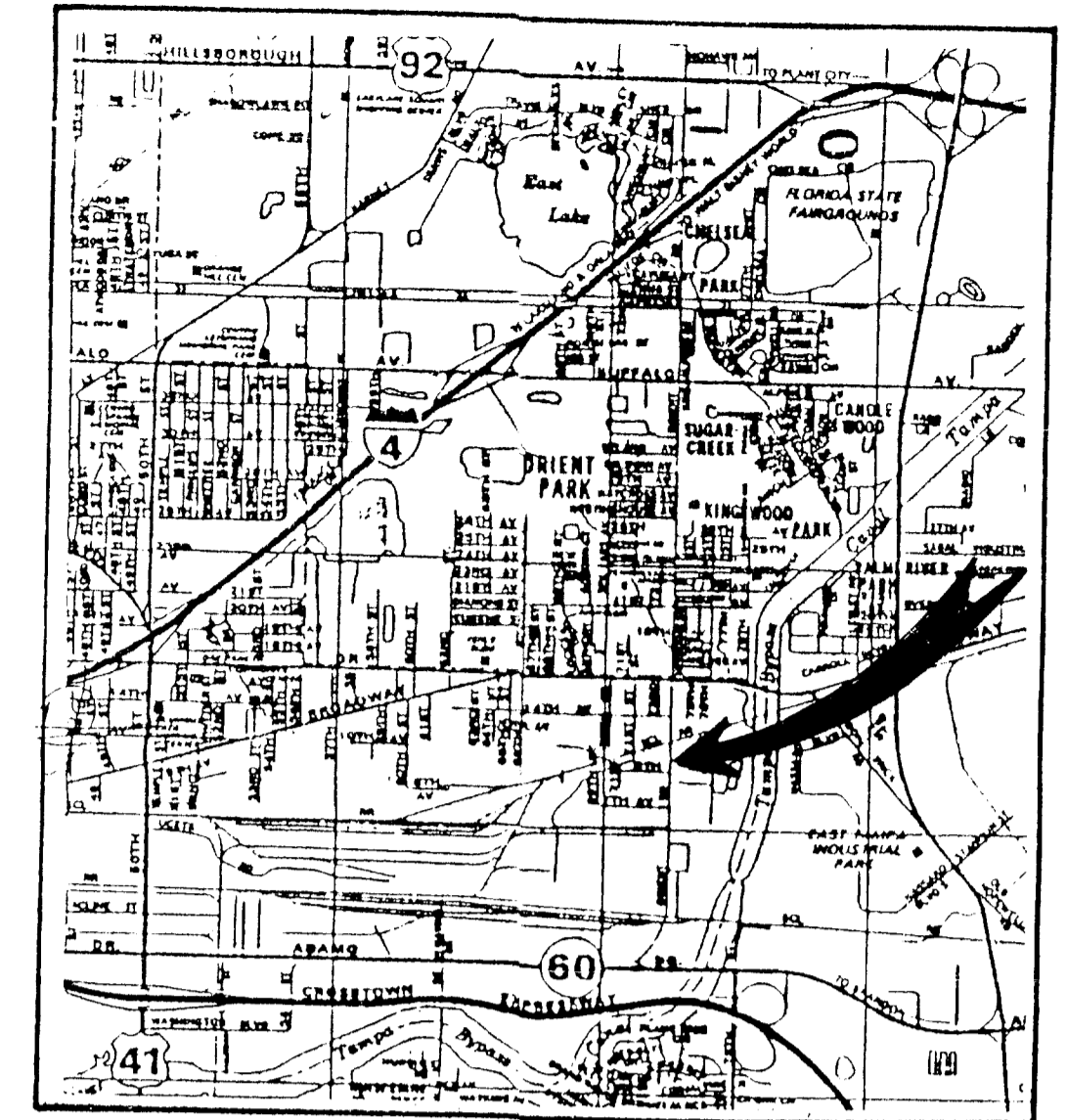
TREE BARRICADE TO HAVE MINIMUM OF 10' RADIUS

NOTE:
STORMWATER RUNOFF TO BE
DIVERTED TO RETENTION POND
(SEE ARCH. DWG.'S FOR DOWN-
SPOUT LOCATION.)

LEGAL DESCRIPTION

SURVEY OF Lots 8, 9, 10, 11, 12, 13, and 14 of Block 1 of ORIENT PARK SUBDIVISION according to a map or plat thereof as recorded in Plat Book 11 Page 7 of the Public Records of Hillsborough County, Florida.

NOTE:
IRRIGATION TO BE PROVIDED BY
SHALLOW WELL SYSTEM.
SPRINKLER SYSTEM TO HAVE
COVERAGE OF ALL LANDSCAPED
AREAS. NO IRRIGATION LINES
TO BE PLACED WITHIN PRO-
TECTIVE RADII OF TREES
TO REMAIN



SITE LOCATION MAP

PROJECT OWNER
UNIVERSAL WASTE AND TRANSIT, INC.
7217-GULF BLVD SUITE #7
ST. PETERSBURG BEACH, FL 33706

PROJECT MANAGER
UNICO CONSTRUCTION, INC.
4590-118TH AVENUE NORTH
CLEARWATER, FL 34622

MR. BOB WELLS
TELEPHONE: (813) 574-6000

ARCHITECT
TECTONICS INTERNATIONAL, INC.
4590-118TH AVENUE NORTH
CLEARWATER, FL 34622

MR. EUGENE RIZZO
TELEPHONE: (813) 571-5735

ENGINEER
HALSTEAD AND BELLHORN, INC.
3931-68TH AVENUE NORTH
PINELLAS PARK, FL 34665

MR. JOHN S. KETPELL
TELEPHONE: (813) 521-4737

EXISTING
ZONING: M-2 (HILLSBOROUGH COUNTY)
LAND USE: COMMERCIAL
PARCEL SIZE: 61,335 ± S.F. = +/- 1.4081 AC.

<u>EXISTING CONDITIONS</u>		
GREEN SPACE	1.4081 AC.	100.00%
<u>PROPOSED CONDITIONS</u>		
BUILDING	.1347 AC.	9.57%
CONCRETE PAVING	.0805 AC.	5.72%
ASPHALT PAVING	.2744 AC.	19.49%
DETENTION POND	.1658 AC.	11.77%
GREEN SPACE	.7527 AC.	53.45%
TOTAL	1.4081 AC.	100.00%

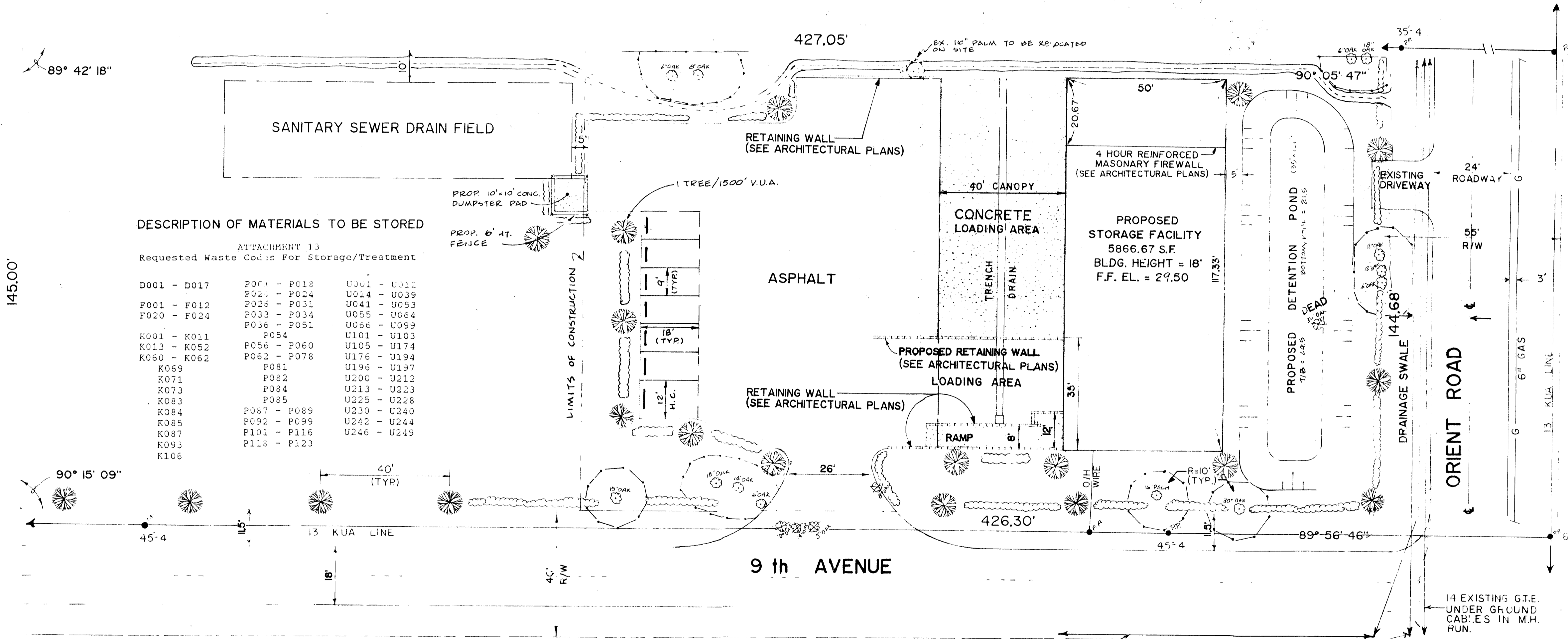
PARKING REQUIREMENT (M-2 WAREHOUSING)
.6 SPACE / 1 EMPLOYEE ON LARGEST WORKING SHIFT
5 EMPLOYEES = 3 SPACES

PARKING PROVIDED
STANDARD PARKING SPACES PROVIDED = 6 SPACES
HANDICAP PARKING SPACES PROVIDED = 1 SPACE
TOTAL PARKING SPACES PROVIDED = 7 SPACES

DESCRIPTION OF MATERIALS TO BE STORED

ATTACHMENT 13
Requested Waste Codes For Storage/Treatment

D001 - D017	P001 - P018	U001 - U011
F001 - F012	P020 - P024	U014 - U039
F020 - F024	P033 - P034	U041 - U053
	P036 - P051	U055 - U064
R001 - R011	P054	U066 - U099
R013 - R052	P056 - P060	U101 - U103
R060 - R062	P062 - P078	U105 - U174
K069	P081	U176 - U194
K071	P082	U196 - U197
K073	P084	U200 - U212
K083	P085	U211 - U223
K084	P087 - P089	U225 - U228
K085	P092 - P099	U230 - U240
K087	P101 - P116	U242 - U244
K093	P118 - P123	U246 - U249
K106		



TREE REMOVAL LEGEND

(Symbol)	3" OAK
(Symbol)	8" OAK
(Symbol)	10" OAK
(Symbol)	14" OAK

TREES TO REMAIN

(1)	30" OAK
(2)	18" OAK
(1)	14" OAK
(1)	8" OAK
(3)	6" OAK
(2)	16" PALM

NOTE:
REPLACEMENT TREES TO BE 2"
CALIBER 30 GALLON 'LIVE OAKS.'
HEDGE MATERIAL TO BE 3 GALLON-
24" HIGH GREEN HEDGES.

NOTE:
9TH AVE. IS ASSUMED TO BE
DUE EAST-WEST. BEARINGS WERE
NOT GIVEN BY ATTACHED SURVEY.

CONSTRUCTION NOTE

Construction shown on these plans is permitted only for the work located within the private property. All work within the City right-of-way and easements will require a separate permit and may require an alteration to the construction or materials shown on these plans. Right-of-way permit applications should be submitted no later than 30 days before that right-of-way or easement work is to commence. For additional information and specific requirements for Right-of-way permits, contact the Department of Public Works, Transportation Division at telephone number 223-8027.

NOTE:
TREES TO BE PLANTED ALONG 9th AVENUE
R/W TO BE CREPE MYRTLES (MAX. MATURE
HEIGHT TO BE 15')

NOTE: ALL SURVEY INFORMATION, BOUNDARY AND TOPOGRAPHIC, SHOWN ON THE PLANS ARE TAKEN FROM ROBERT J. FLOURNOY LAND SURVEYING JOB NO. 5-87-099 DATED 10/13/87, REGISTRATION NO. 1540.

48 HOURS PRIOR TO
CONSTRUCTION
CALL CANDY
1--800--282-8881

4-14-88 LANDSCAPE, BARRICADES, DITCH JSK
4-21-88 REV CANOPY ADDED NOTE JSK
3-10-89 REV PROPOSED BLDG. FACILITY & RAL JSK
F.F. EL.

CITY ENVIRONMENTAL
SERVICES OF FLORIDA, INC.
7202 EAST EIGHTH AVENUE
TAMPA, FLORIDA 33619



HALSTEAD & BELLHORN INC.
CIVIL ENGINEERS
3931 68TH AVENUE NORTH, PINELLAS PARK, FLORIDA 34665
(813) 527-4737

SITE AND LANDSCAPE PLAN

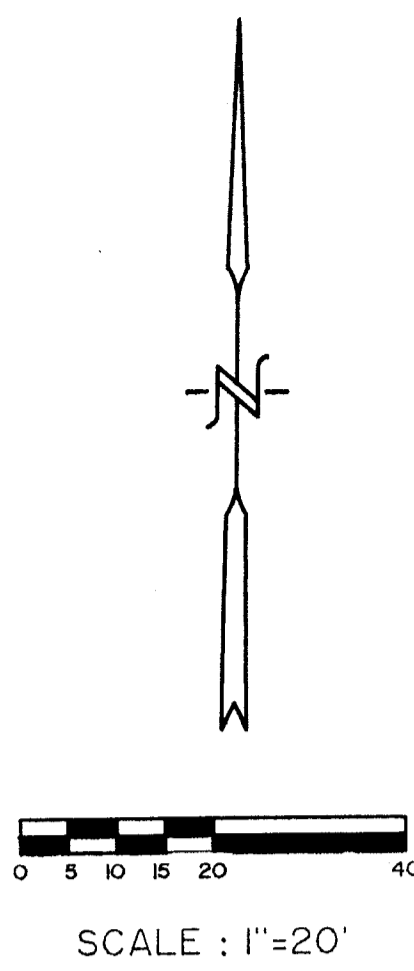


REPRODUCED

DEC 20 1989

JSK Engineering & Applied Services Inc.

TECTONICS INT. DEC '87 27550
1" = 20' D.W./D.O. J.S.K. 1 OF 8



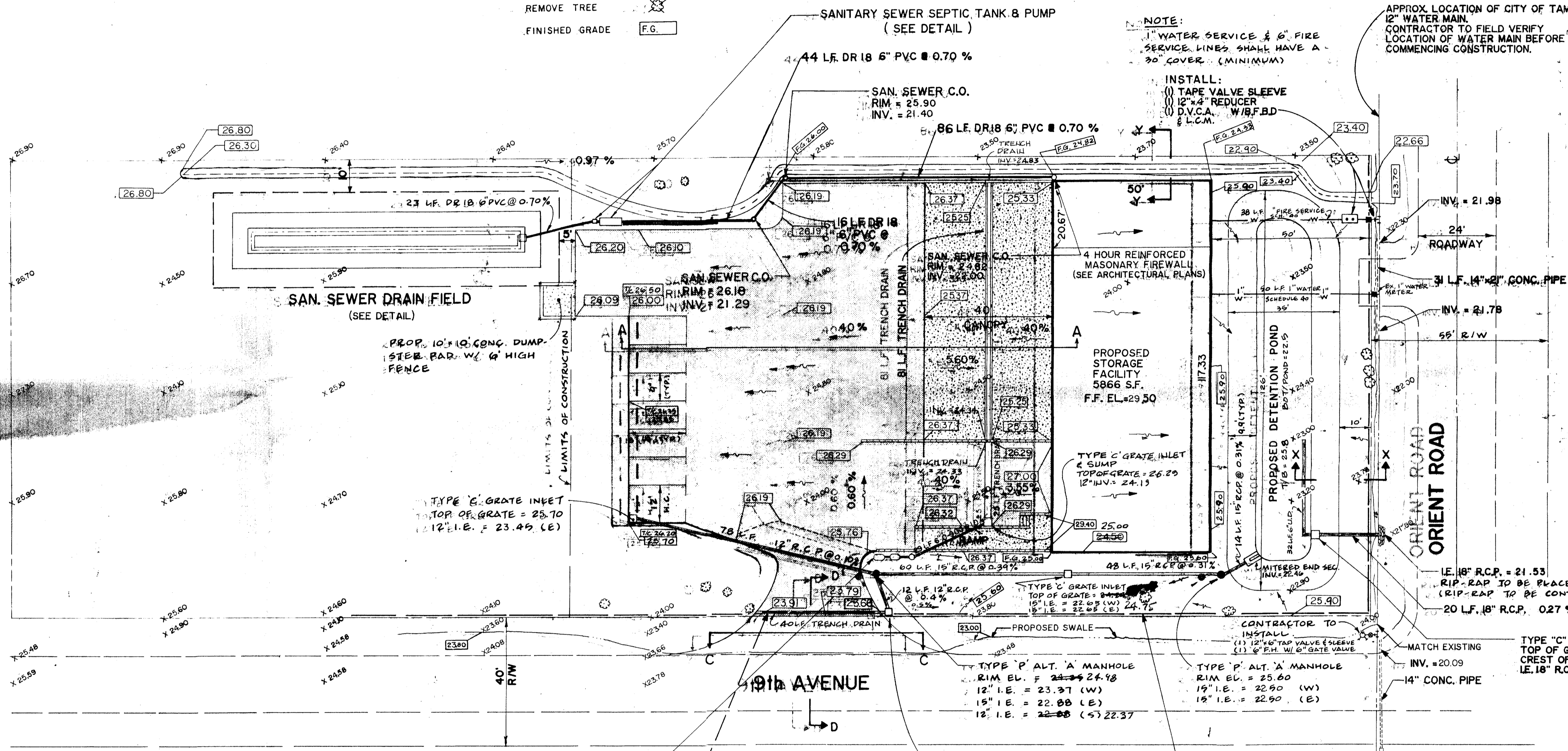
LEGEND

EXISTING	
GRADE	x 00.00
TREE	
PROPOSED	
GRADE	00.00
TREE	
TREE BARRICADES	
HEDGE	
SWALE	
CONCRETE	
ASPHALT	
REMOVE TREE	
FINISHED GRADE	F.G.

POND VOLUME

A_{TOP} = 4,410 S.F.
 A_{PHW} = 3,480 S.F.
 A_{BOTTOM} = 1,751 S.F.

VOL. = $3480 + 1751 + \sqrt{3480(1751)} \left[\frac{23}{3} \right]$
 = 0.1359 AC.-FT.



NOTE:
 1. WATER SERVICE & 6" FIRE SERVICE LINES SHALL HAVE A 30" COVER (MINIMUM)

INSTALL:
 (1) TAPE VALVE SLEEVE
 (2) 12"x4" REDUCER
 (3) D.V.C.A. W/8" B.D. & L.C.M.

APPROX. LOCATION OF CITY OF TAMPA 12" WATER MAIN. CONTRACTOR TO FIELD VERIFY LOCATION OF WATER MAIN BEFORE COMMENCING CONSTRUCTION.

NOTE:
 BUILDING TO HAVE NO AIR CONDITIONING. NO COMPRESSOR PAD SHOWN.

NOTE:
 EXISTING DRAINAGE DITCH ON ORIENT ROAD TO BE REGRADED FROM OUTFALL PIPE TO 14" CONCRETE PIPE UNDER 9TH AVENUE TO ALLOW FOR FALL FROM OUTFALL PIPE ELEVATION TO 14" CONCRETE PIPE INVERT

RIP-RAP TO BE PLACED AROUND OUTFALL PIPE (RIP-RAP TO BE CONTAINED IN JUTE BAGS.)

TYPE "C" OUTFALL STRUCTURE
 TOP OF GRATE = 24.80
 CREST OF WIER = 23.40
 18" R.C.P. = 21.60

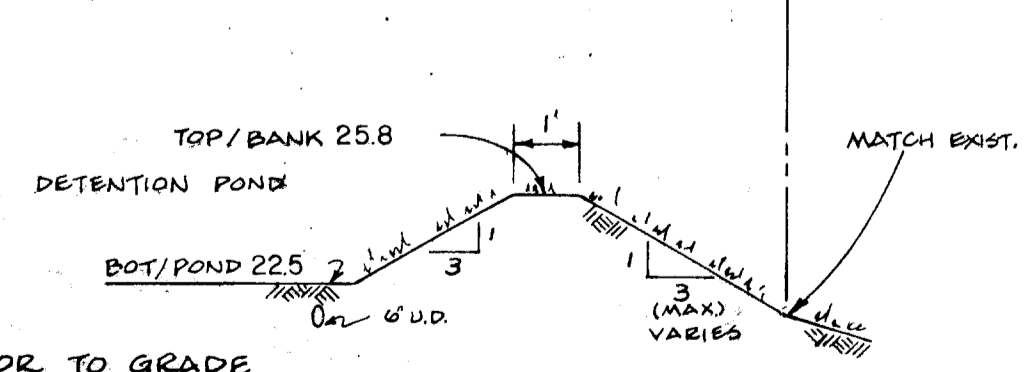
SUMP PUMP, CONTROL VALVE & PRE-TREATMENT SYSTEM (PLEASE SEE ARCHITECTURAL DRAWING FOR MODEL NUMBER, DETAILS & SPECIFICATIONS OF THIS SYSTEM.) PRE-TREATMENT SYSTEM IS NOT TO BE CONNECTED TO STORM SEWER SYSTEM. PRE-TREATMENT SYSTEM TO BE UTILIZED FOR CORRECTION OF WASTE SPILLS.

NOTE:
 SLOPE AS REQUIRED TO MATCH GRADE ON DRIVEWAY TRENCH DRAIN.

TYPE "C" GRATE INLET
 TOP OF GRATE = 24.14
 TRENCH DRAIN I.E. = 22.93
 12" I.E. = 22.42 (N)

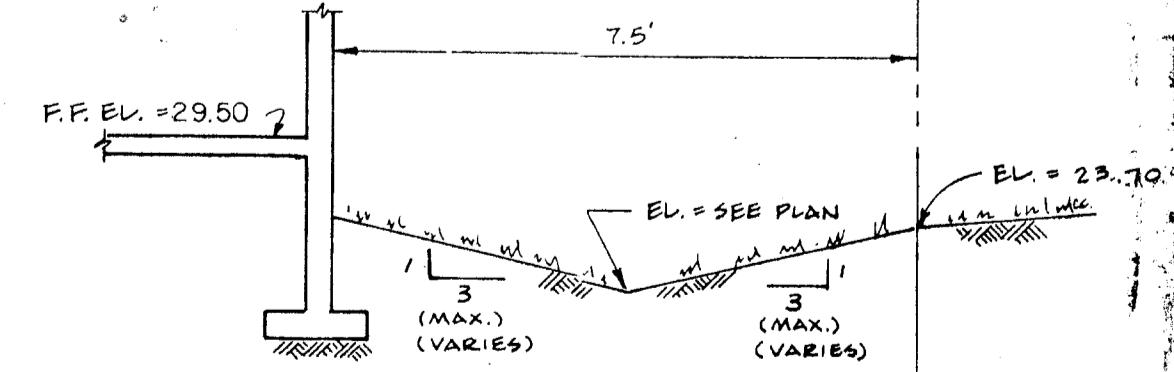
HAY BALES (SEE DETAIL) TO REMAIN IN PLACE UNTIL FINAL GRADING & SODDING HAS BEEN COMPLETED.

NOTE:
 CONTRACTOR TO GRADE FROM TOP OF BANK TO R @ MAX. OF 3:1 SLOPE. SLOPE TO BE SODDED AND PINNED.



SECTION X-X
 (N.T.S.)

NOTE:
 CONTRACTOR TO GRADE SWALE SO AS TO ACCEPT OFF-SITE STORM WATER FROM NORTH SWALE TO BE SODDED.

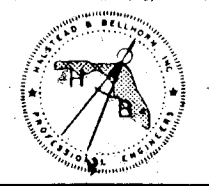


SECTION Y-Y
 (N.T.S.)

48 HOURS PRIOR TO CONSTRUCTION CALL CANDY 1-800-282-8881

DATE	REVISIONS	REMARKS	DRW	CHK	DATE	REMARKS	DRW	CHK
4-14-88	1	DITCH, SAN. SEWER TANK, PUMP	RAL	JSK				
3-10-89	2	CHANGED ALL ELEVATIONS	RAL	JSK				
5-18-89	3	REV. ELEVATIONS - 90% RAMP CHANGE - 25.40 TO 25.40	LAF	JSK				
	4	28 LF C-900						

CITY ENVIRONMENTAL SERVICES OF FLORIDA, INC. 7202 EAST EIGHTH AVENUE TAMPA, FLORIDA 33619

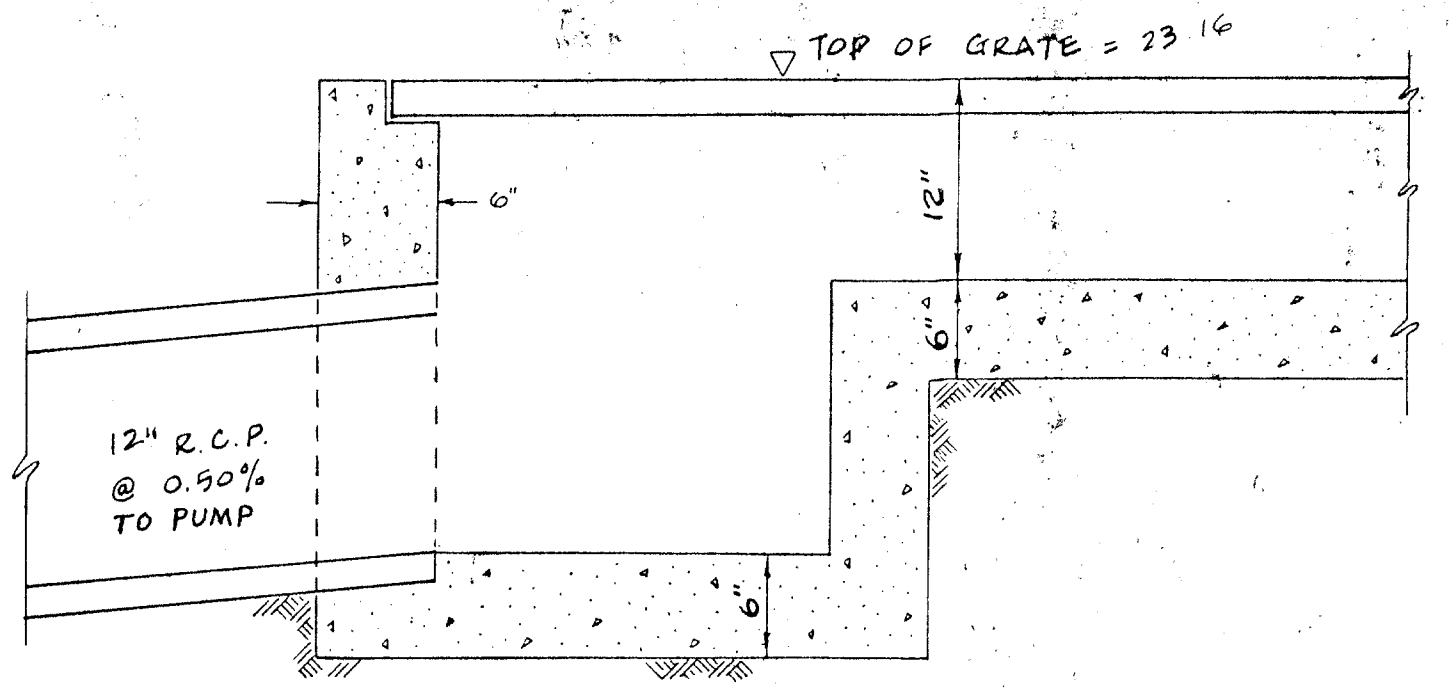


HALSTEAD & BELLHORN, INC. CIVIL ENGINEERS 3931 68TH AVENUE NORTH, PINELLAS PARK, FLORIDA 34665 (813) 527-4737

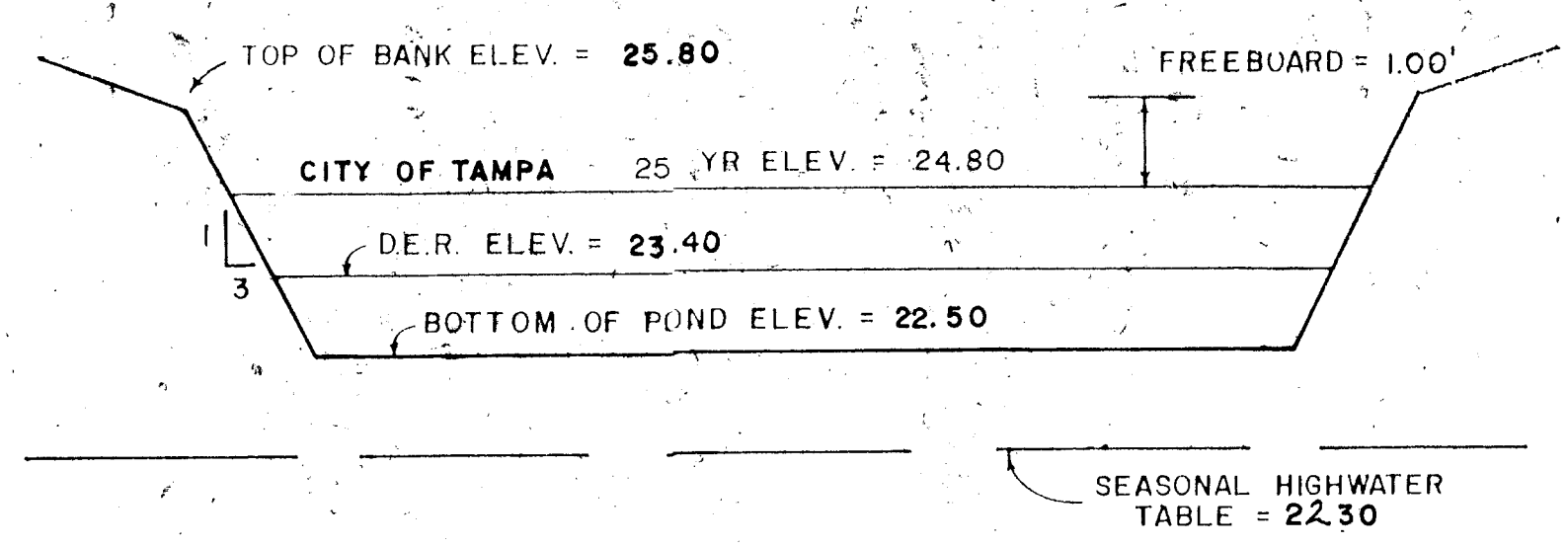
G-GRADING, PAVING, DRAINAGE AND UTILITY PLAN

<input checked="" type="checkbox"/> PRELIMINARY	CLIENT	TECTONICS INT.	DATE	DEC '87	SURVEY FILE NO.		ENG. PROJECT NO.	27550
<input type="checkbox"/> CONSTRUCTION	SCALE	1" = 20'	DRAWN BY	D.W./D.O.	SURVEY SHEET NO.		ENG. SHEET NO.	2 OF 8
<input type="checkbox"/> AS BUILT	DATE		CHECKED BY	J.S.K.				

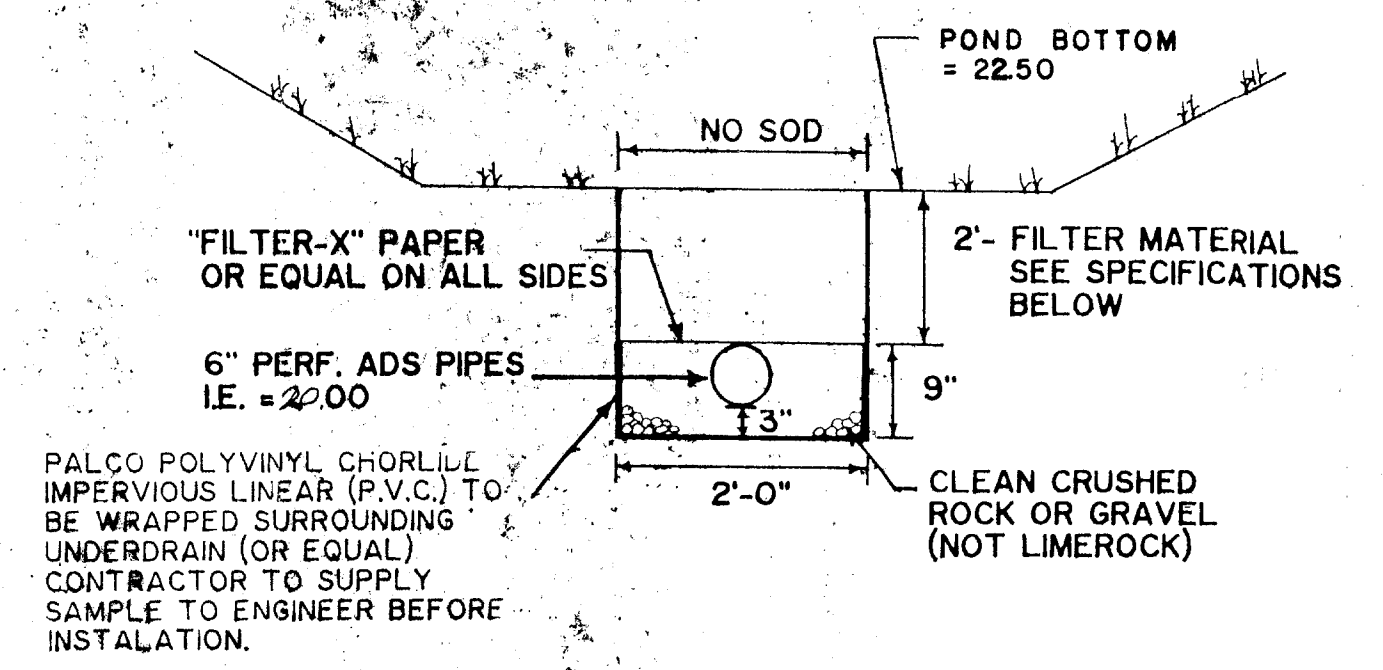
RECEIVED
 DEC 30 1987
 Department of Engineering
 BY SOUTH



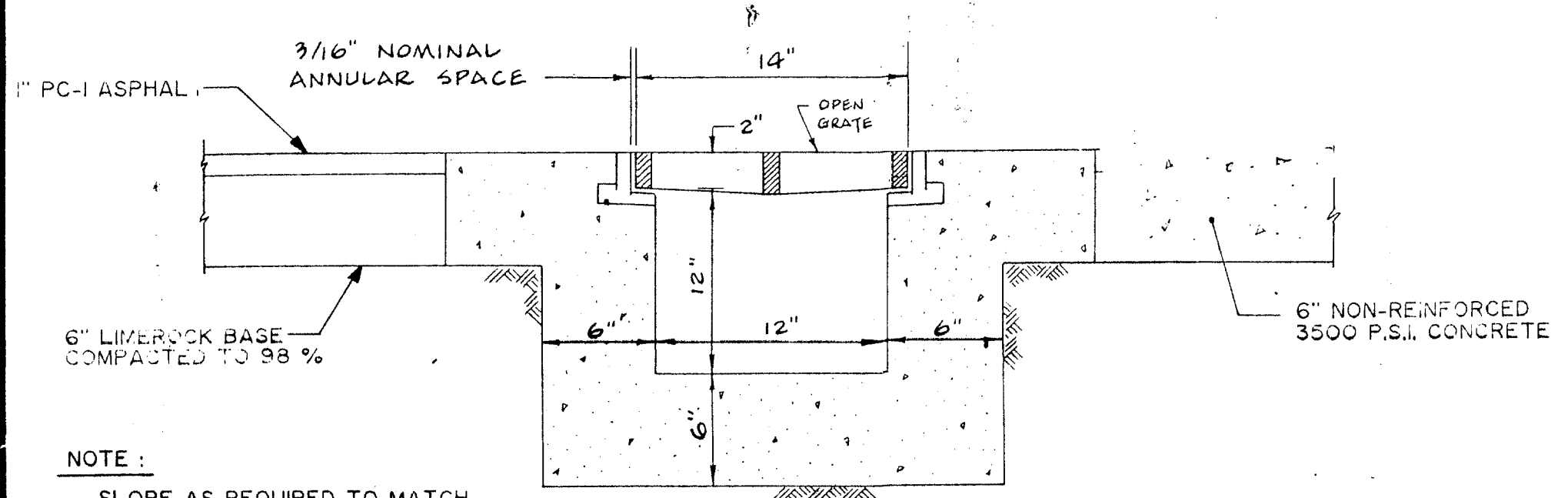
TRENCH DRAIN



RETENTION POND CROSS SECTION (N.T.S.)

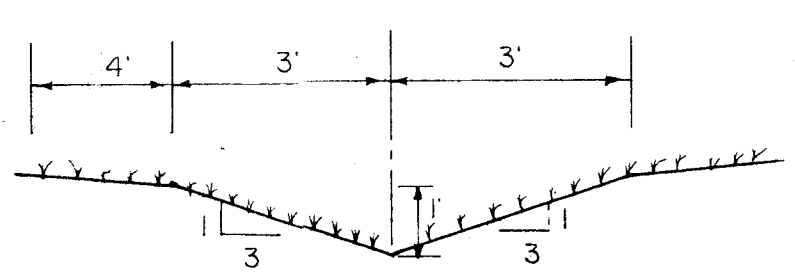


UNDER DRAIN DETAILS



NOTE:
SLOPE AS REQUIRED TO MATCH GRADE ON DRIVEWAY TRENCH DRAIN.

TRENCH DRAIN DETAIL



6" DEEP SWALE DETAIL (N.T.S.)

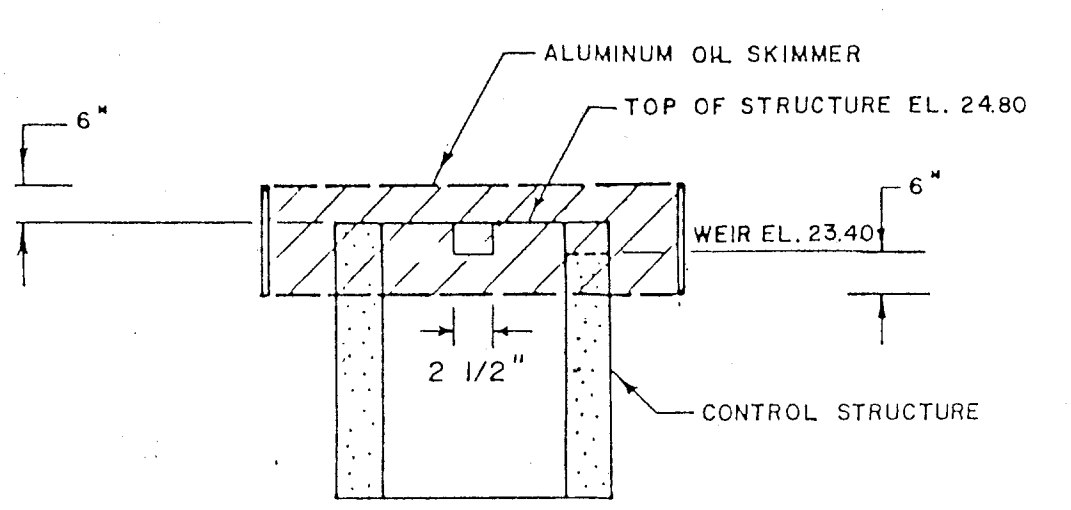
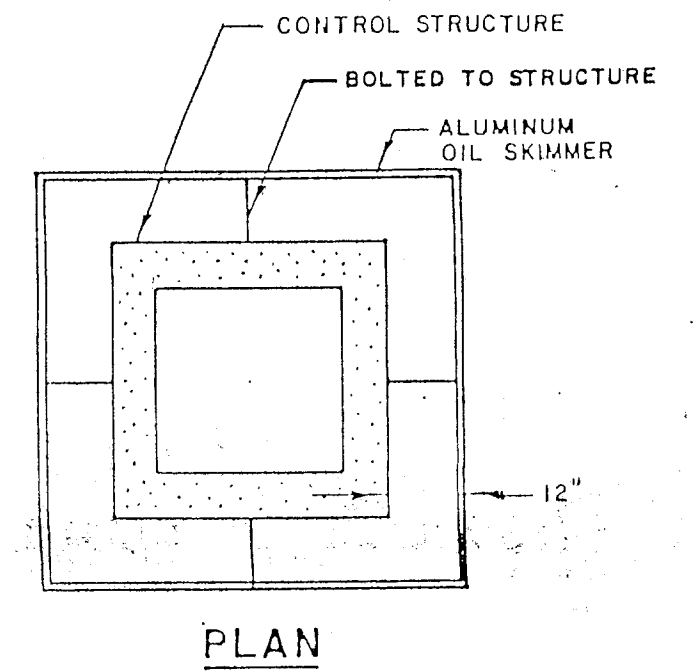
FILTER MATERIAL SPECIFICATIONS

Filter material to be utilized for underdrain systems in the Pinellas Park Water Management District shall be composed of clean creek gravels and sand mixtures to produce the gradation shown below.

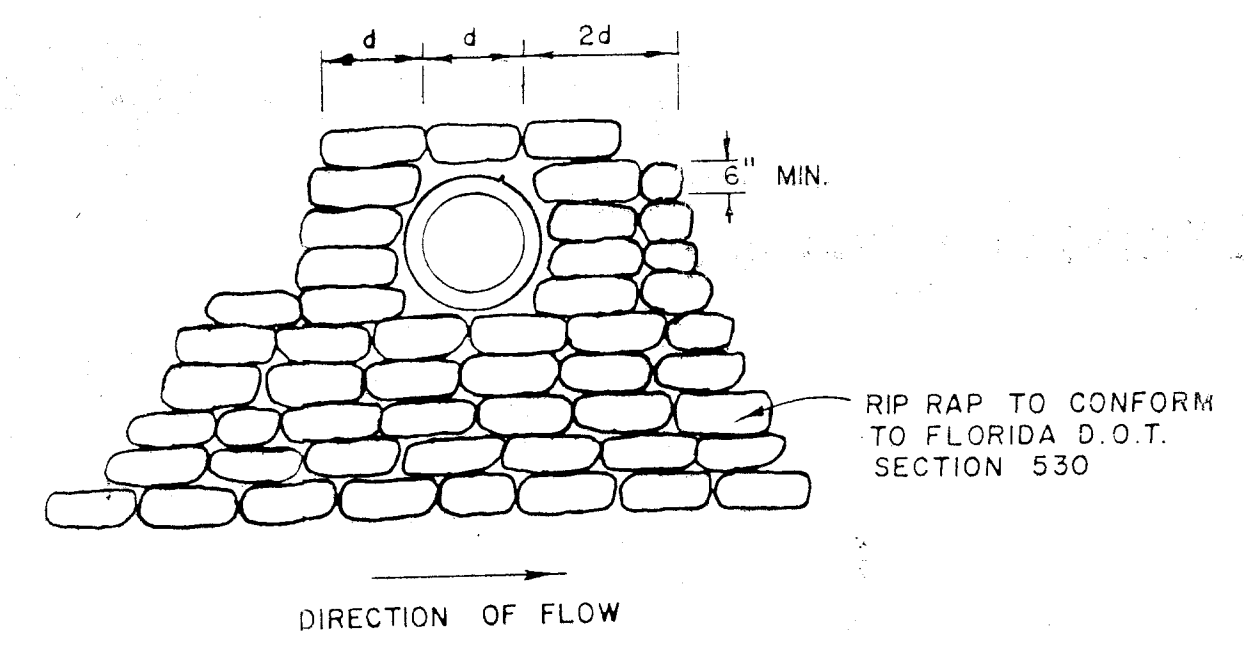
The D-20 size of this filter is approximately 0.42 mm, and the vertical permeability rate (K) is 130 feet per day or 5.417 feet per hour.

NOTE: Florida limestone is not acceptable as filter media under any circumstances.

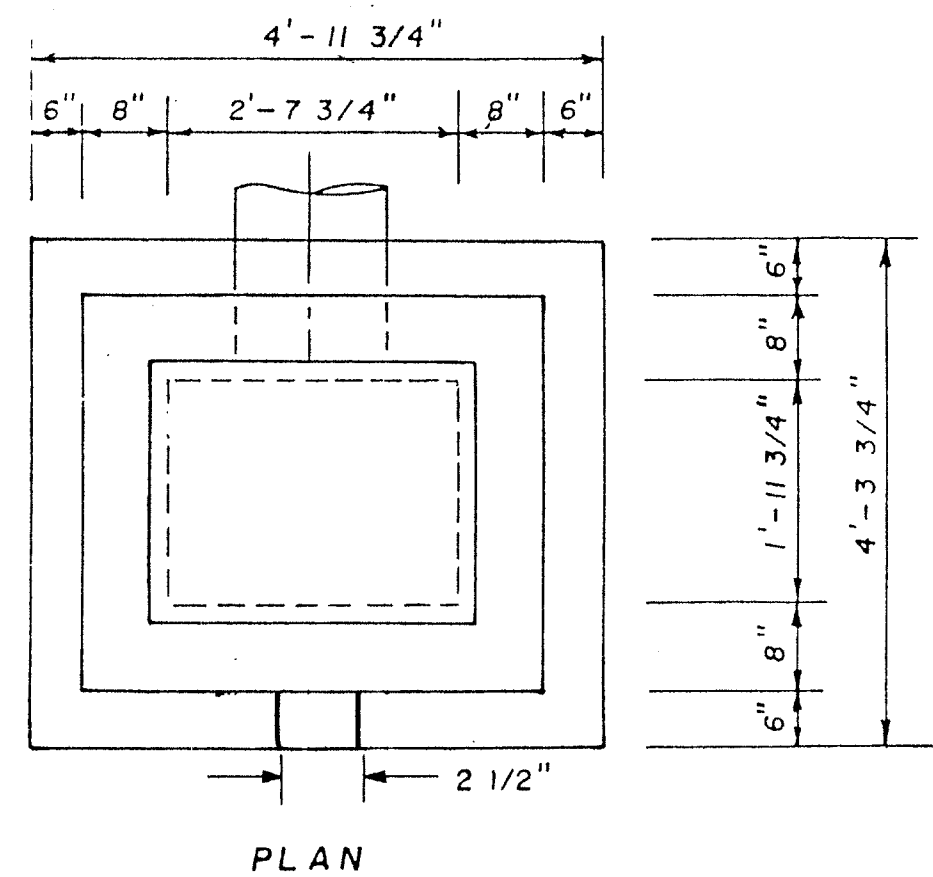
FILTER GRADATION	
U.S. STD. SIEVE SIZE	PERCENT FINER BY WEIGHT
3/4"	100
3/8"	90-100
#4	77 - 96
#10	60 - 87
#20	26 - 69
#40	9 - 43
#50	7 - 27
#100	5 - 7



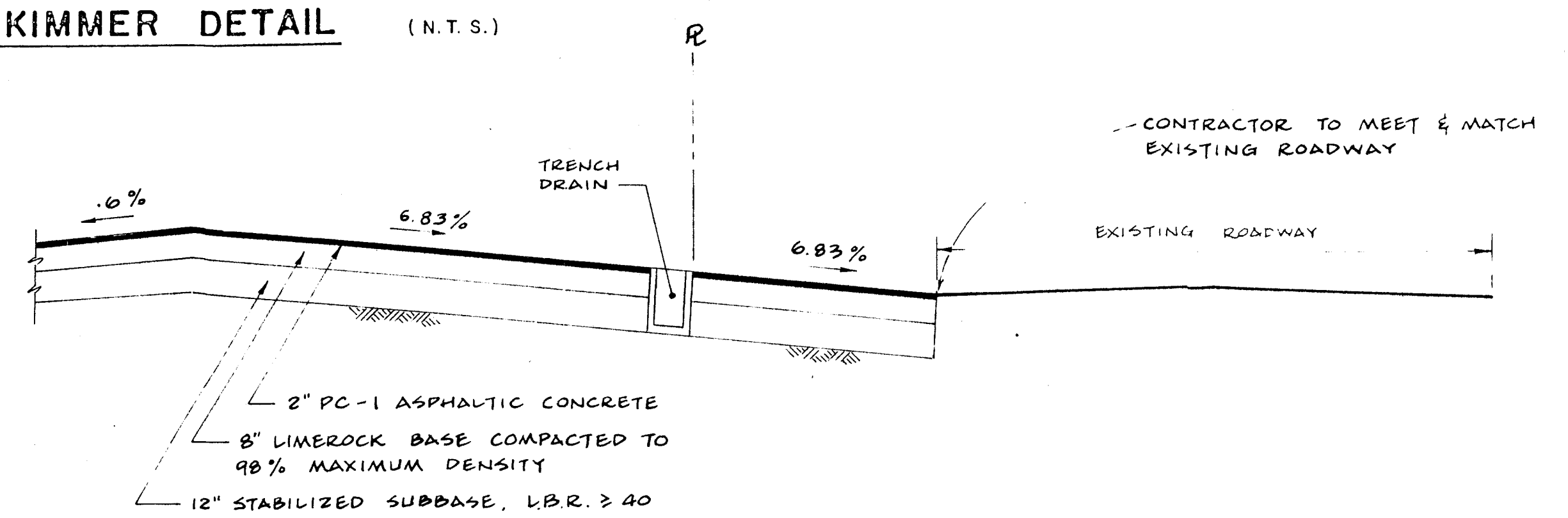
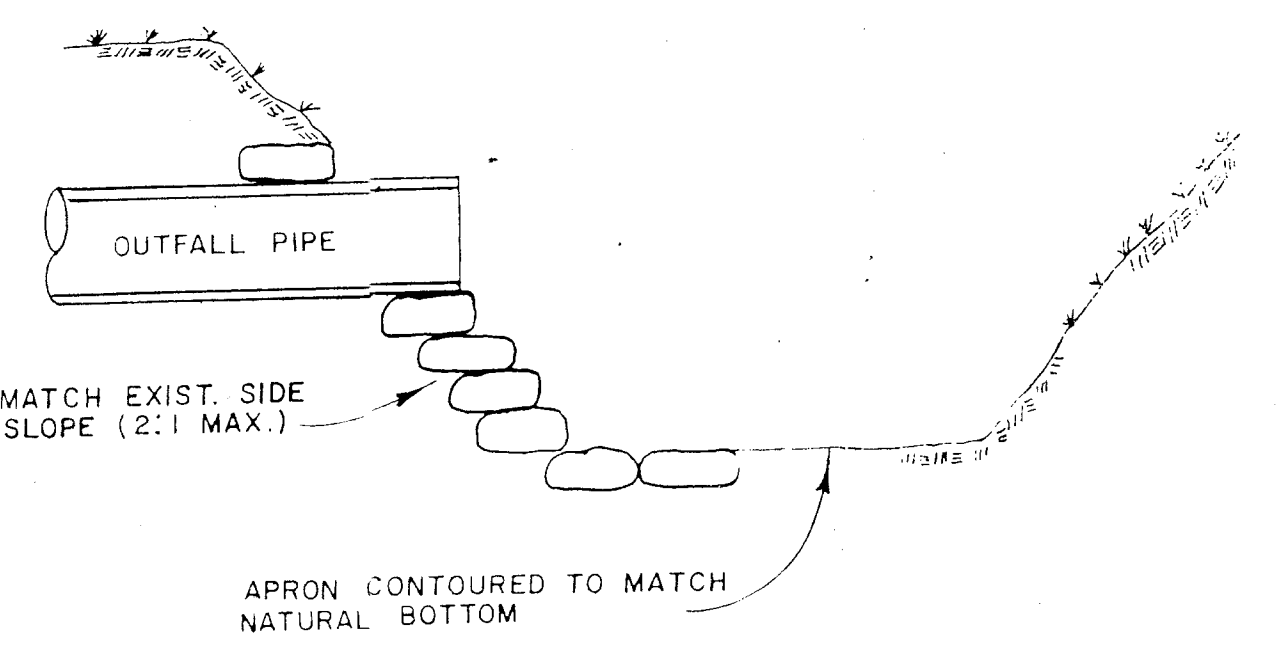
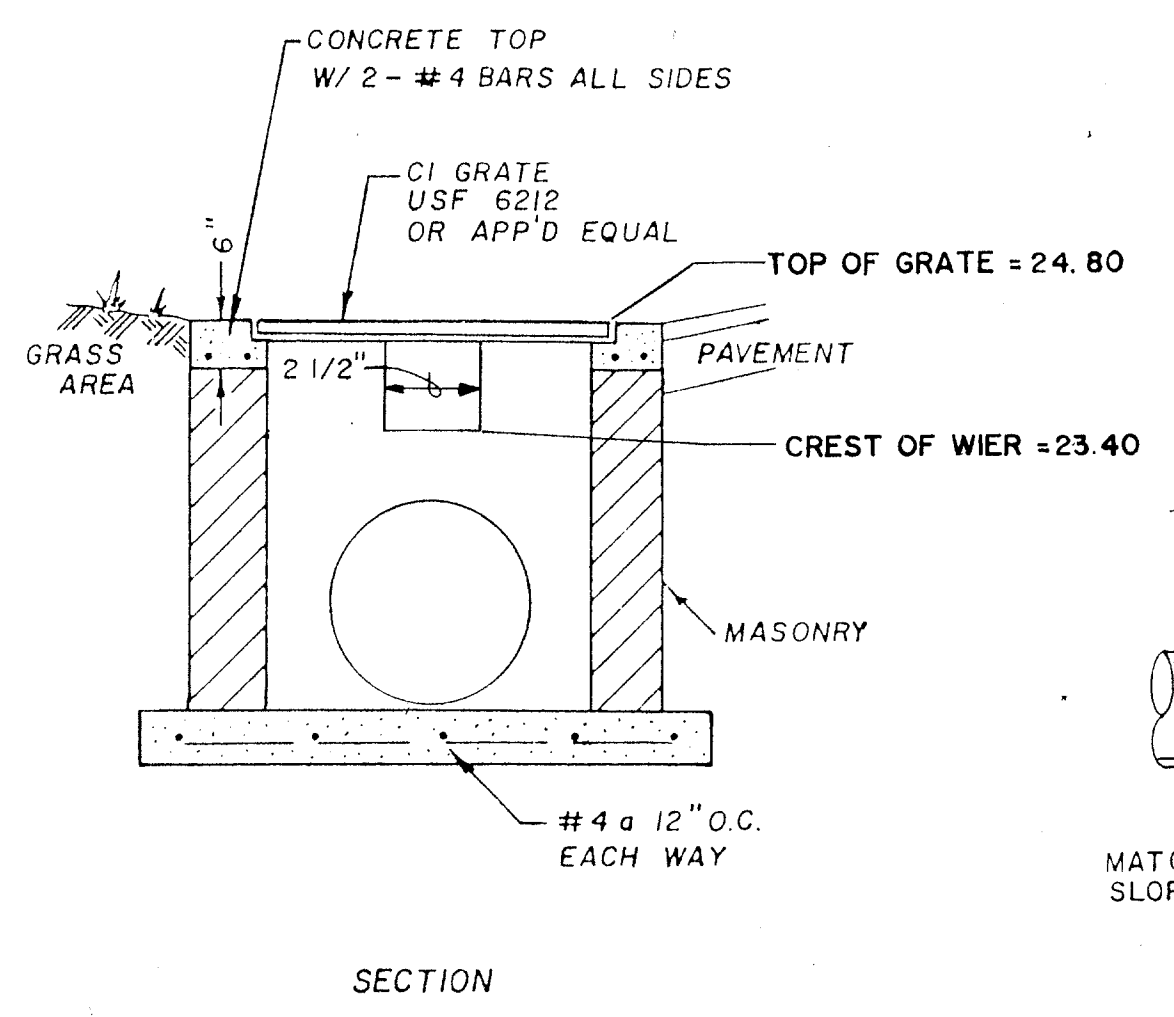
OIL SKIMMER DETAIL (N.T.S.)



SAND / CEMENT RIP-RAP DETAIL

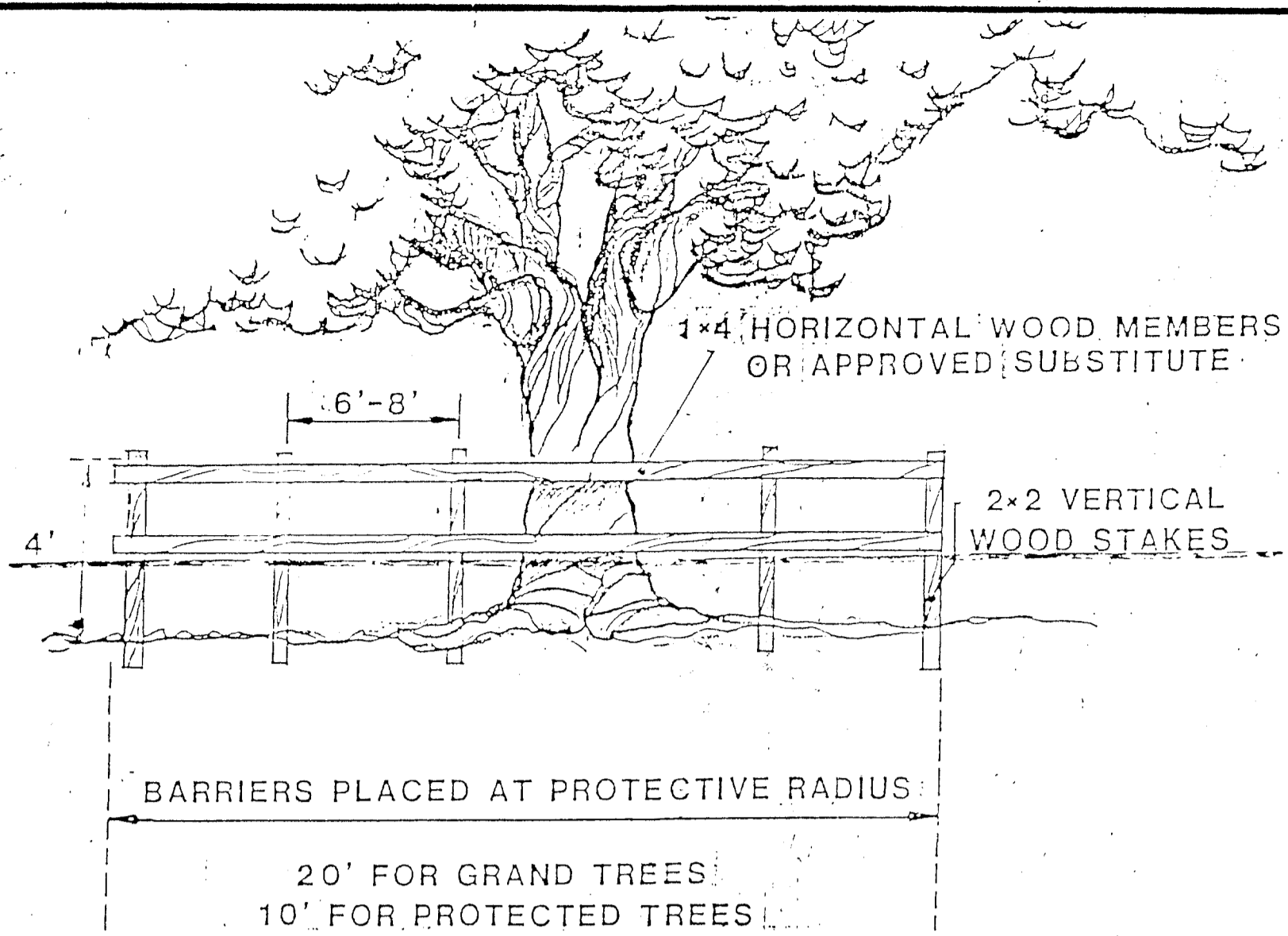


OUTFALL STRUCTURE



SECTION D-D (N.T.S.)

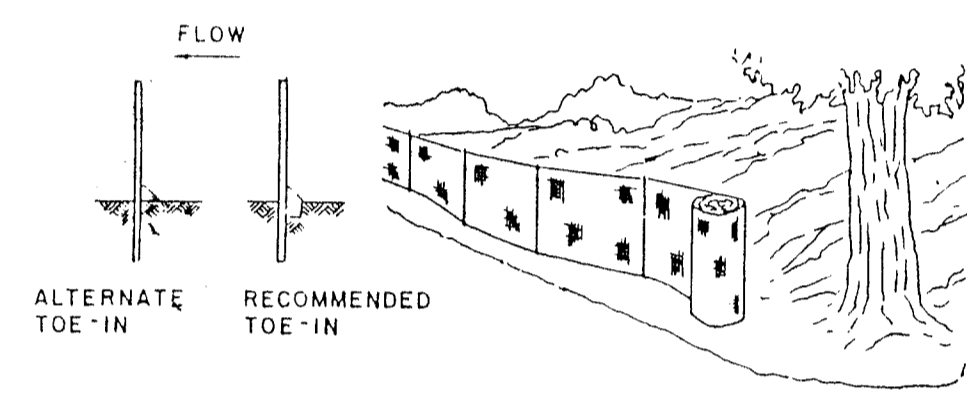
48 HOURS PRIOR TO CONSTRUCTION CALL CANDY 1-800-282-8881



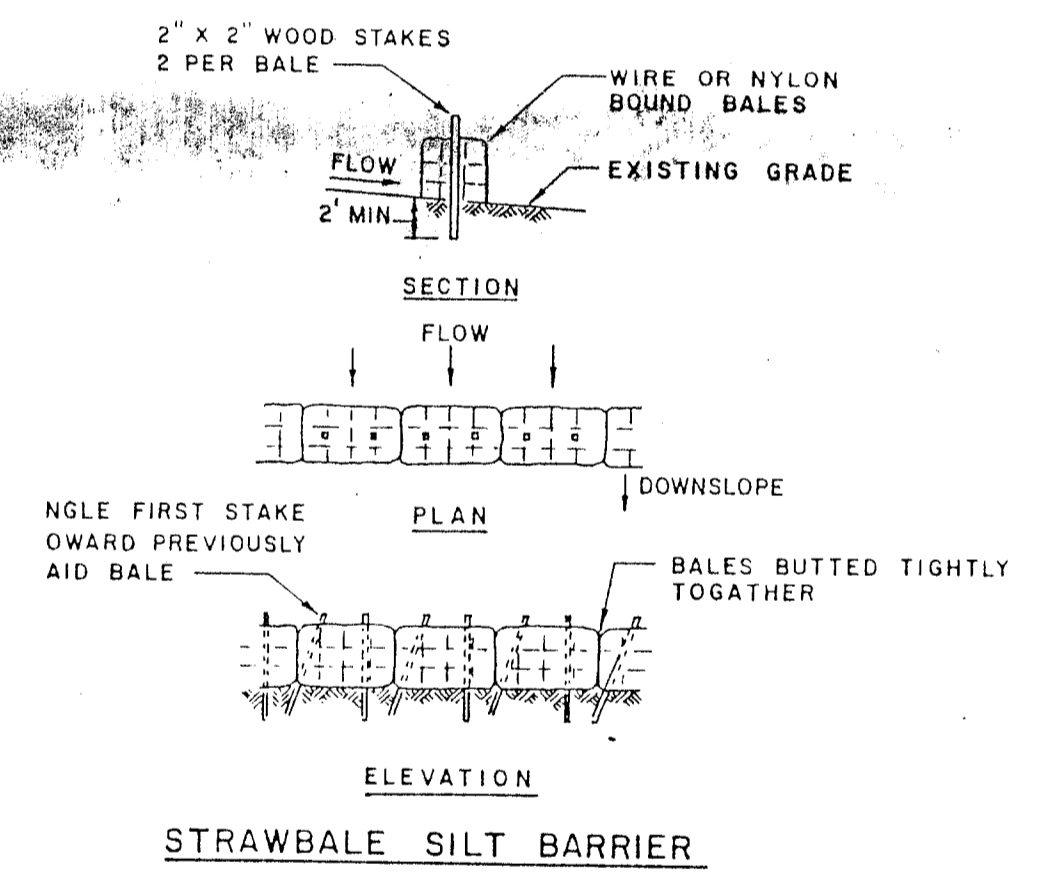
PARKS DEPT. TO APPROVE BARRICADE INSTALLATION BEFORE SITE CLEARING.

TREE BARRICADE DETAIL

(N.T.S.)

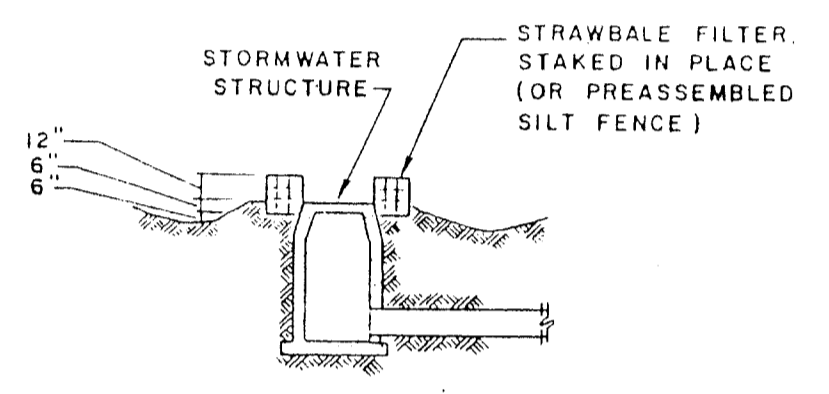


PREASSEMBLED SILT FENCE



EROSION CONTROL DETAILS

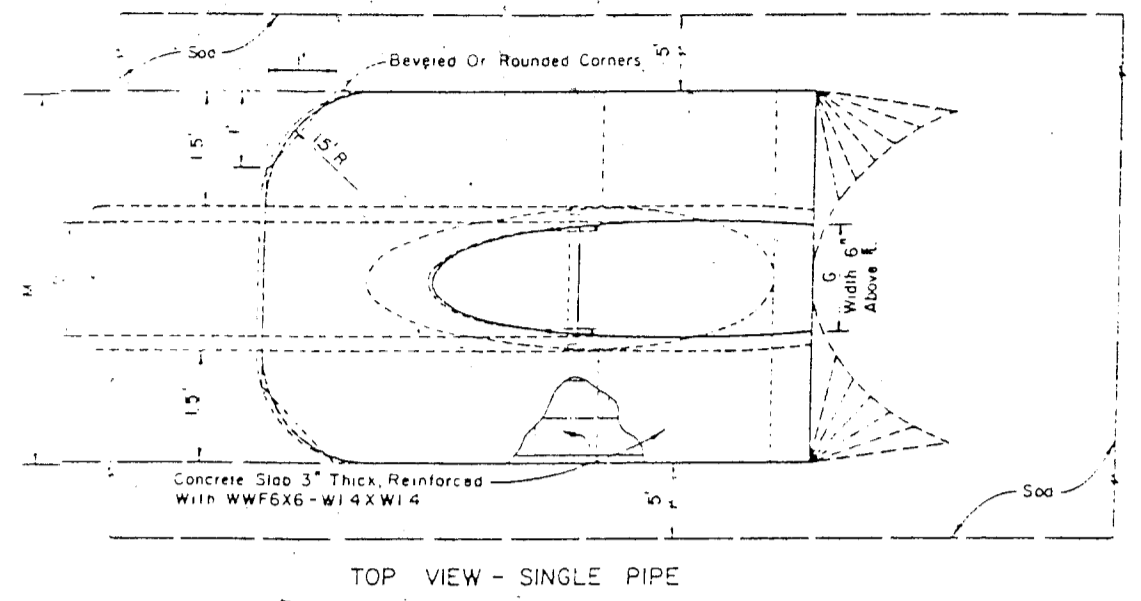
(N.T.S.)



SEDIMENT TRAP

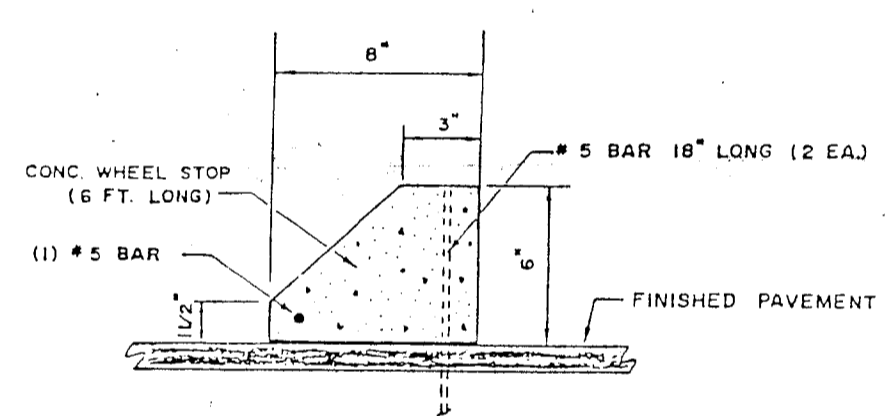
- EROSION AND SOIL CONTROL**
- PROTECTION OF EXISTING STORM SEWER SYSTEMS:** During construction, all storm sewer inlets in the vicinity of the project shall be protected by sediment traps such as secur hay bales, sod, stone, etc., which shall be maintained and modified as required by construction progress.
 - SEDIMENT TRAPPING MEASURES:** Sediment basins and traps, perimeter berms, filter fences, berms, sediment barriers, vegetative buffers and other measures intended to trap sediment and/or prevent the transport of sediment onto adjacent properties, or into existing water bodies, must be installed, constructed or, in the case of vegetative buffers, protected from disturbance, as a first step in the land alteration process.
 - MAINTENANCE:** All erosion and siltation control devices shall be checked regularly, especially after each rainfall and will be cleaned out and/or repaired as required.
 - Amoco propex sediment control fabric may be substituted for haybales with approval by the engineer.

DIMENSIONS AND QUANTITIES														
ITEM	QTY	UNIT	DIMENSIONS	QUANTITIES										
				CONCRETE	STEEL	FORMS	FORMS	FORMS	FORMS	FORMS	FORMS	FORMS	FORMS	FORMS
1	1	MANHOLE	48" DIA	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2	1.2
2	1	MANHOLE	72" DIA	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4	2.4



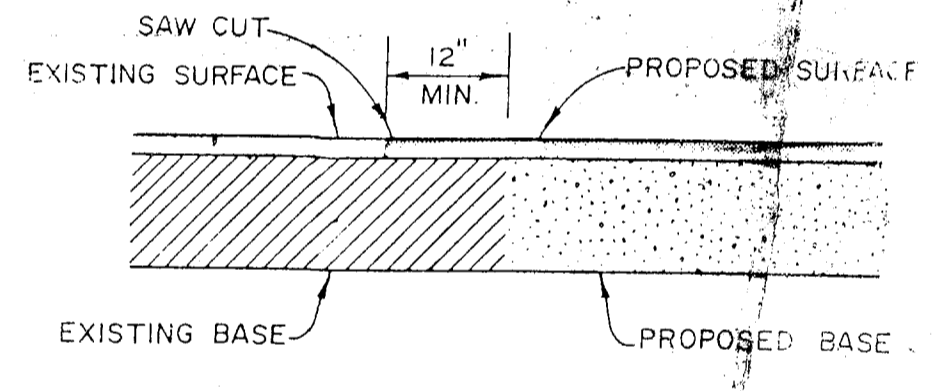
MITERED END SECTION DETAIL

(N.T.S.)



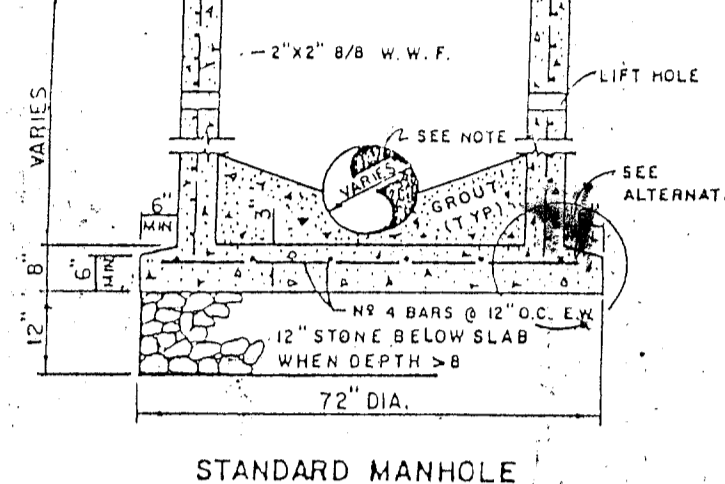
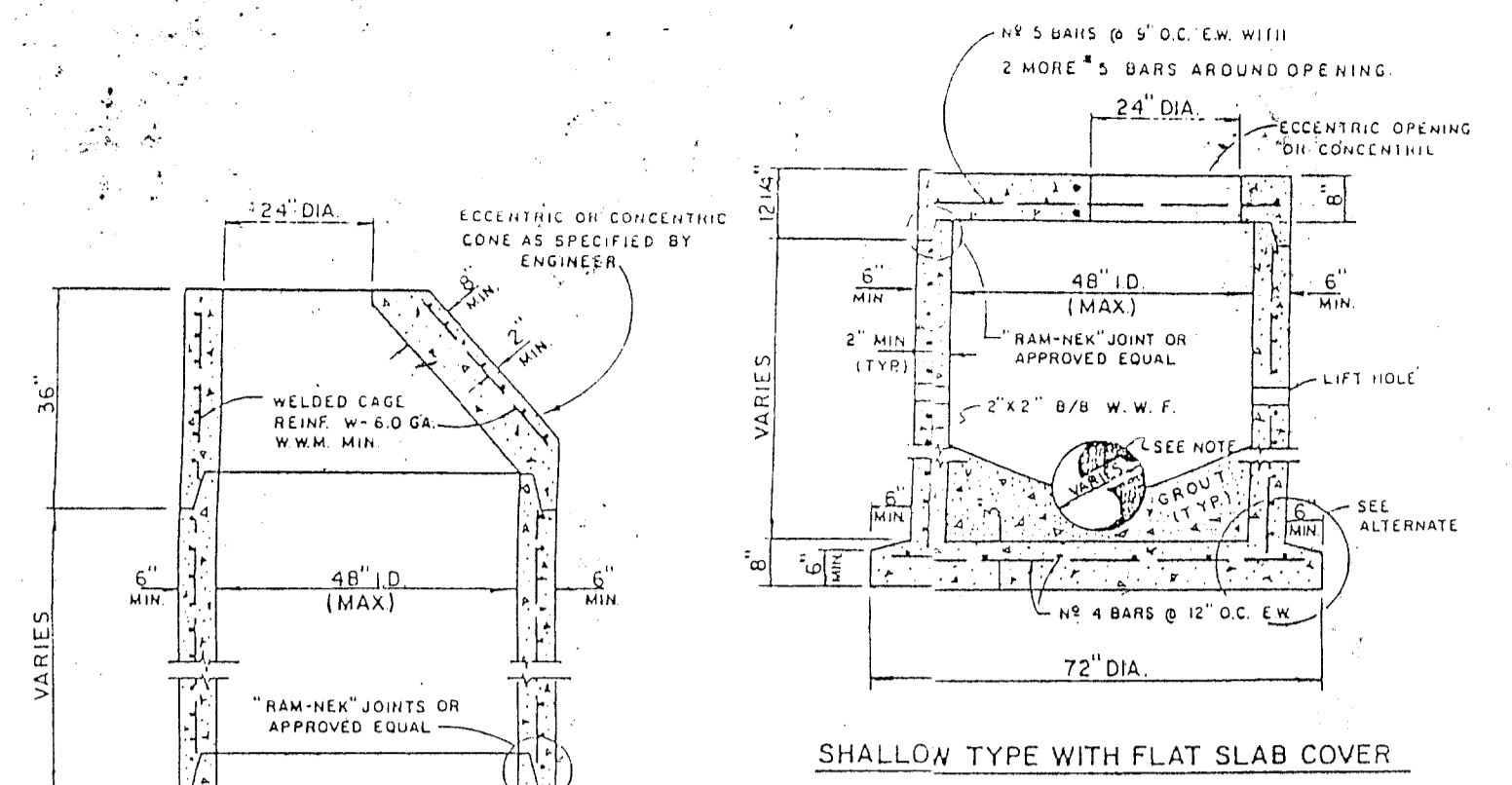
CONCRETE WHEEL STOP

(N.T.S.)



TIE-IN OF PROPOSED CONSTRUCTION TO EXISTING

N.T.S.



NOTES:

MANHOLES SHALL BE MANUFACTURED IN COMPLIANCE WITH A.S.T.M. SPECIFICATION C-478, LATEST EDITION

TYPE II PORTLAND CEMENT, 4,000 P.S.I. 28 DAYS

FIRST RISER AND BASE SHALL BE MONOLITHIC OR AS SHOWN ON ALTERNATE.

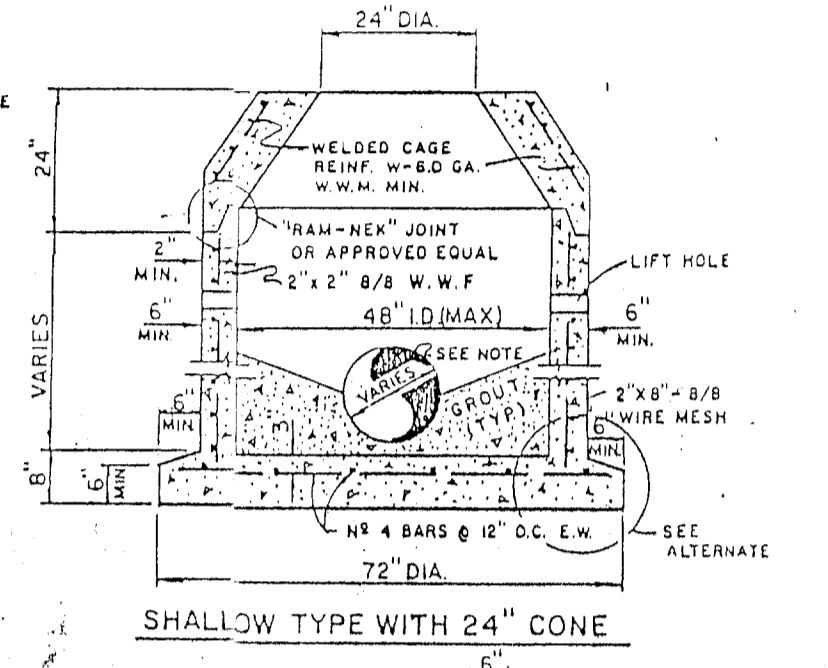
SEWER PIPE TO BE JOINED TO MANHOLE WITH LOCKJOINT FLEXIBLE SLEEVES CAST IN MANHOLE INLET OPENING TO BE 2" LARGER THAN O.D. OF PIPE

SEE SD-B FOR FRAME B COVER

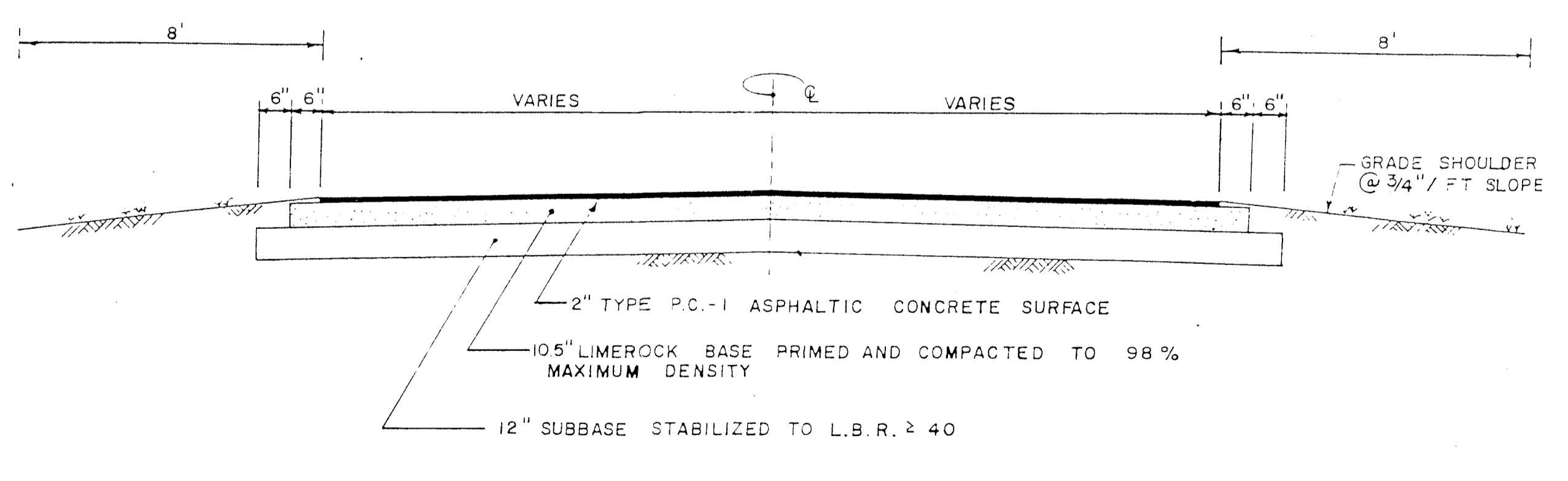
COAT EMULSIFIED ASPHALT ON OUTSIDE SURFACES

MANHOLE FRAME & COVER WITH THE WORDS "100MM SLOTTED" CAST IN THE COVER

U.S. FOUNDRY 170" OR APPROVED EQUAL.



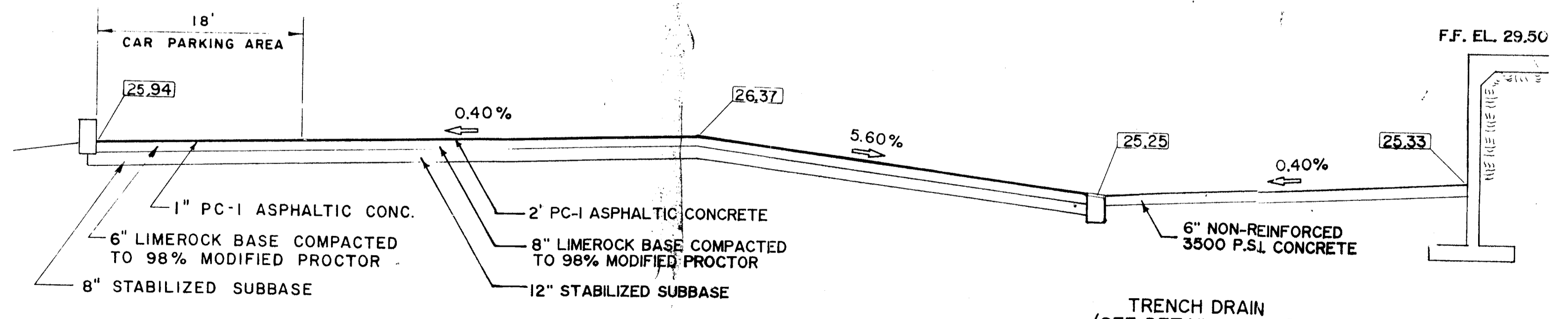
PRECAST MANHOLE



CROSS SECTION C-C

TYPICAL DRIVEWAY SECTION

N.T.S.

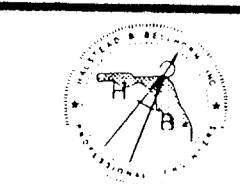


CROSS SECTION A-A

48 HOURS PRIOR TO CONSTRUCTION CALL CANDY 1-800-282-8881

3-10-89 CHANGED ALL ELEVATIONS RAL JSK

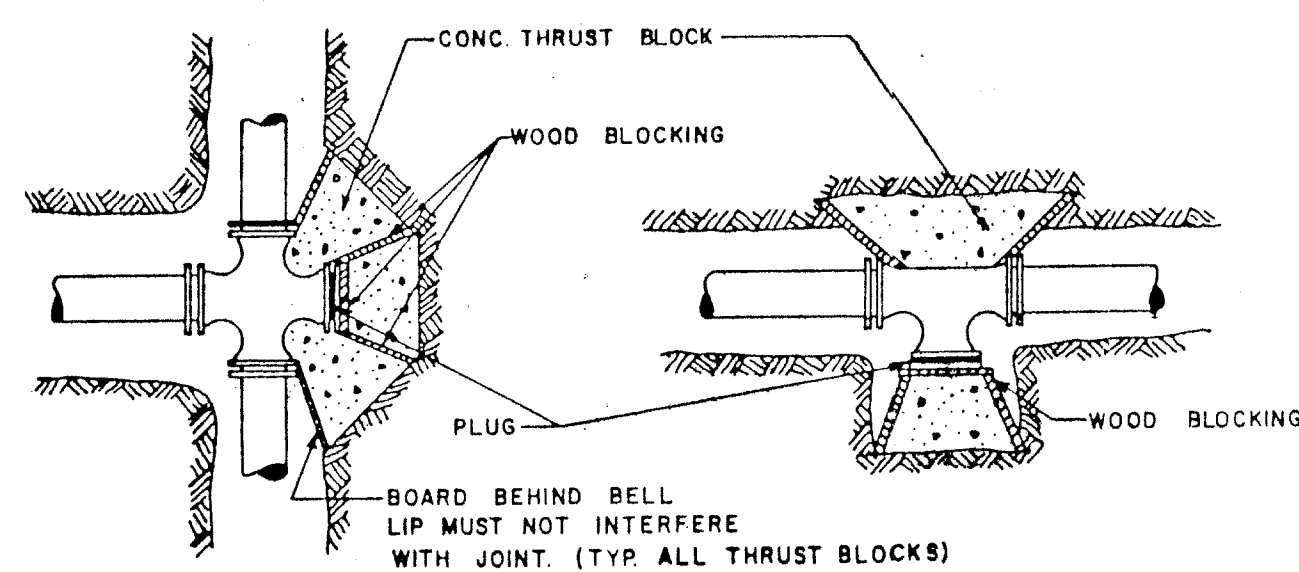
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HALSTEAD & BELLHORN INC. CIVIL ENGINEERS 3931 68TH AVENUE NORTH, PINELLAS PARK, FLORIDA 34665 (813) 527-4737

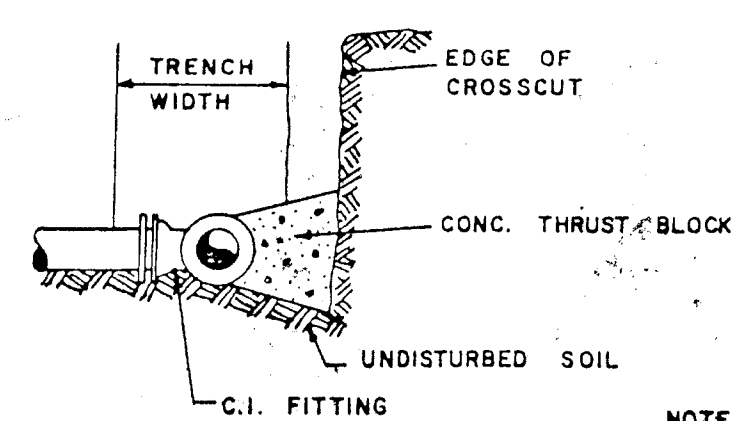
GRADING, PAVING, AND DRAINAGE DETAILS

RECEIVED DEC 30 1987 TECTONICS INT. DEC 30 1987 D.W. BY J.S.K. 27550 SOUTHWEST DISTRICT 4 OF 8



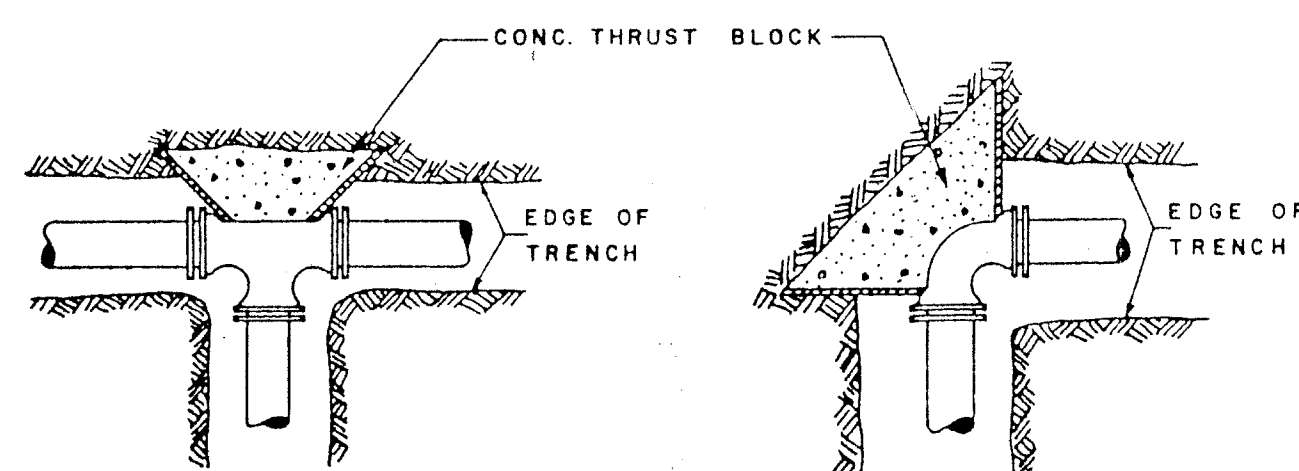
CROSS WITH PLUG

TEE WITH PLUG



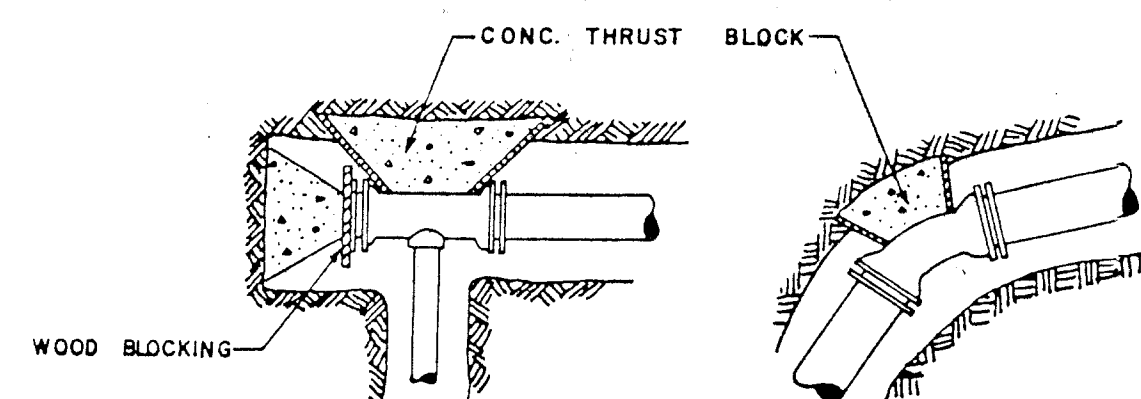
TYPICAL SECTION

NOTE:
SEE SHEET "THRUST BLOCK SIZES & NOTES" FOR THRUST BLOCK & TRENCH DETAIL INFORMATION.



TEE

BEND



TAPPED TEE WITH PLUG

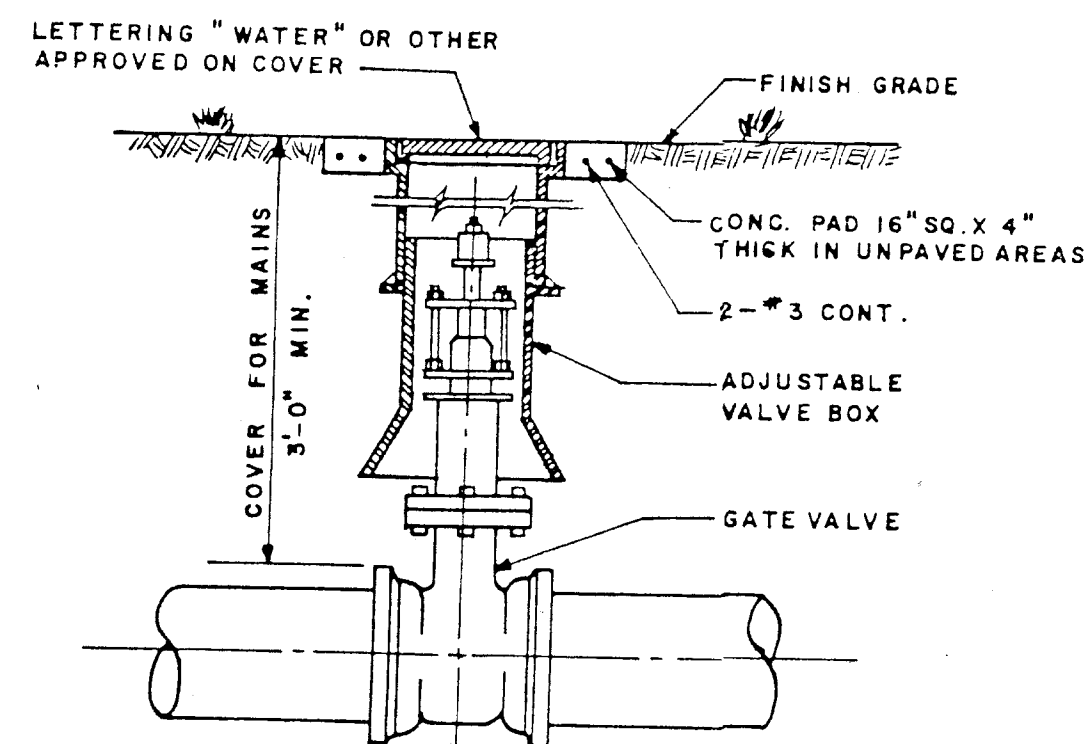
45° BEND & SMALLER

PIPE DIA. (INS)	THRUST BLOCK SIZES					TRENCH	
	90° BEND	45° BEND	22-1/2° BEND	11-1/4° BEND	WYES & TEES	MAX WIDTH	MIN COVER
	BEARING AREA SQ. FT.	BEARING AREA SQ. FT.	BEARING AREA SQ. FT.	BEARING AREA SQ. FT.	BEARING AREA SQ. FT.		
2	0.5	0.5	0.5	0.5	0.5	18"	30"
3	1.0	1.0	1.0	1.0	1.0	18"	30"
4	1.2	1.0	1.0	1.0	1.0	18"	30"
6	2.6	1.4	1.0	1.0	1.0	21"	30"
8	4.6	2.5	1.3	1.0	3.3	24"	30"
10	7.3	3.9	2.0	1.0	5.9	26"	36"
12	10.0	5.7	2.9	1.0	7.7	28"	36"
14	14.2	7.7	3.9	2.0	10.0	30"	36"
16	18.5	10.0	5.6	2.6	13.4	31"	36"
18	23.4	12.7	6.5	3.3	16.6	32"	36"
20	28.8	15.6	8.0	4.7	20.0	33"	36"
24	41.7	22.3	10.2	5.9	29.0	36"	36"

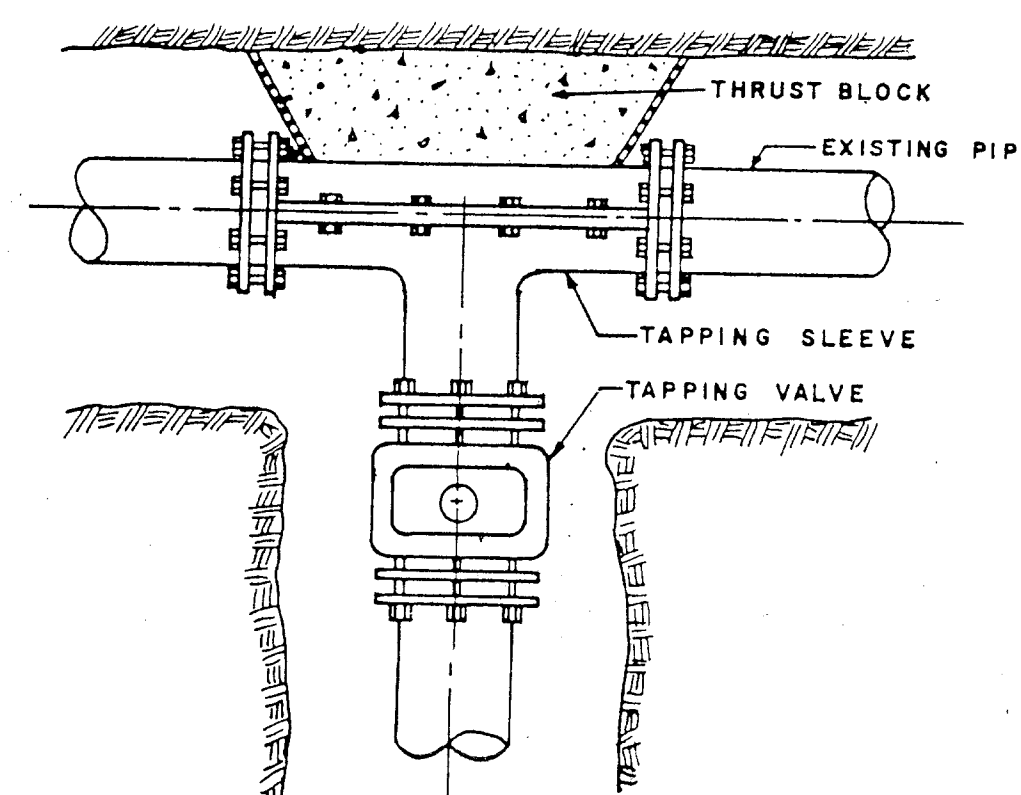
BASED ON 130 P.S.I. PRESSURES & 2000 P.S.F. SOIL BEARING VALUES

NOTES

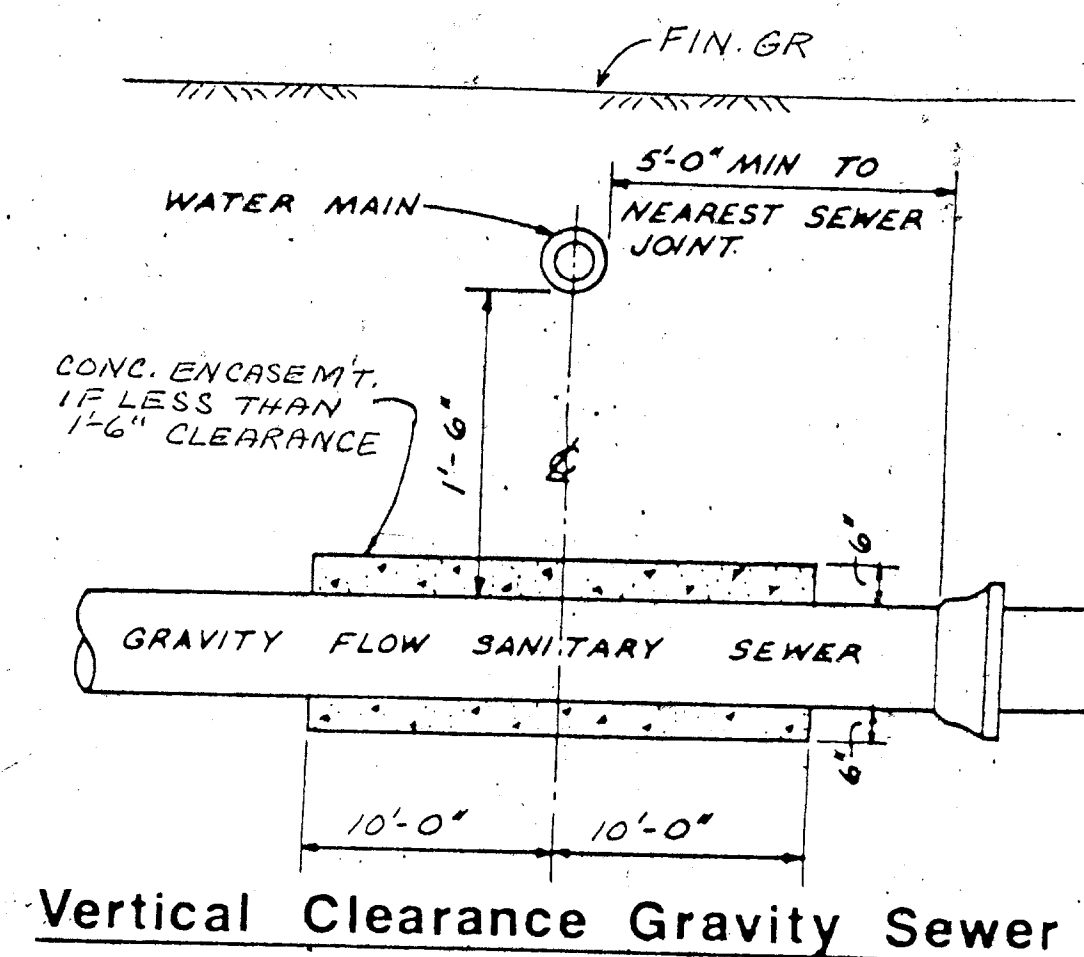
- THRUST BLOCKS SHALL BE REQUIRED AGAINST UNDISTURBED MATERIAL. WHERE TRENCH WALL HAS BEEN DISTURBED, EXCAVATE ALL LOOSE MATERIAL AND EXTEND THRUST BLOCK TO UNDISTURBED MATERIAL.
- ON TEES AND BENDS EXTEND THRUST BLOCK FULL LENGTH OF FITTING.
- PLACE BOARD IN FRONT OF PLUG AT TEE OR CROSS BEFORE POURING CONCRETE THRUST BLOCK.
- BACKFILL SHALL CONSIST ENTIRELY OF CLEAN SAND AND ROCK FRAGMENTS. ANY MUCK ENCOUNTERED SHALL BE REPLACED WITH ACCEPTABLE BACKFILL.
- ALL WOOD BLOCKING SHALL BE PRESSURE TREATED.
- ALL THRUST BLOCKS SHALL BE FORMED UP TO PREVENT CONCRETE FROM FOULING JOINTS OR BOLTS.



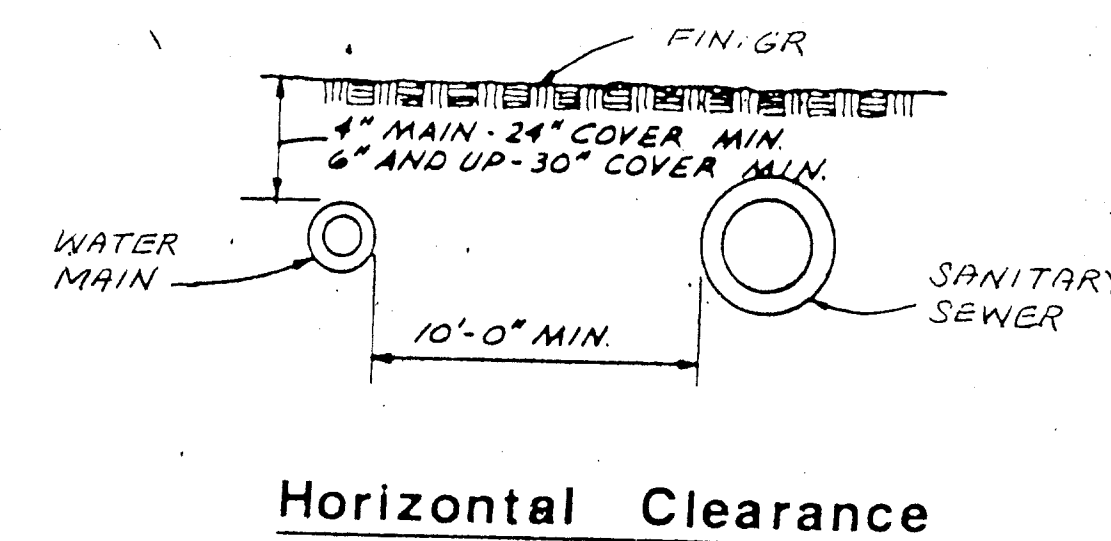
TYPICAL GATE VALVE & VALVE BOX DETAIL



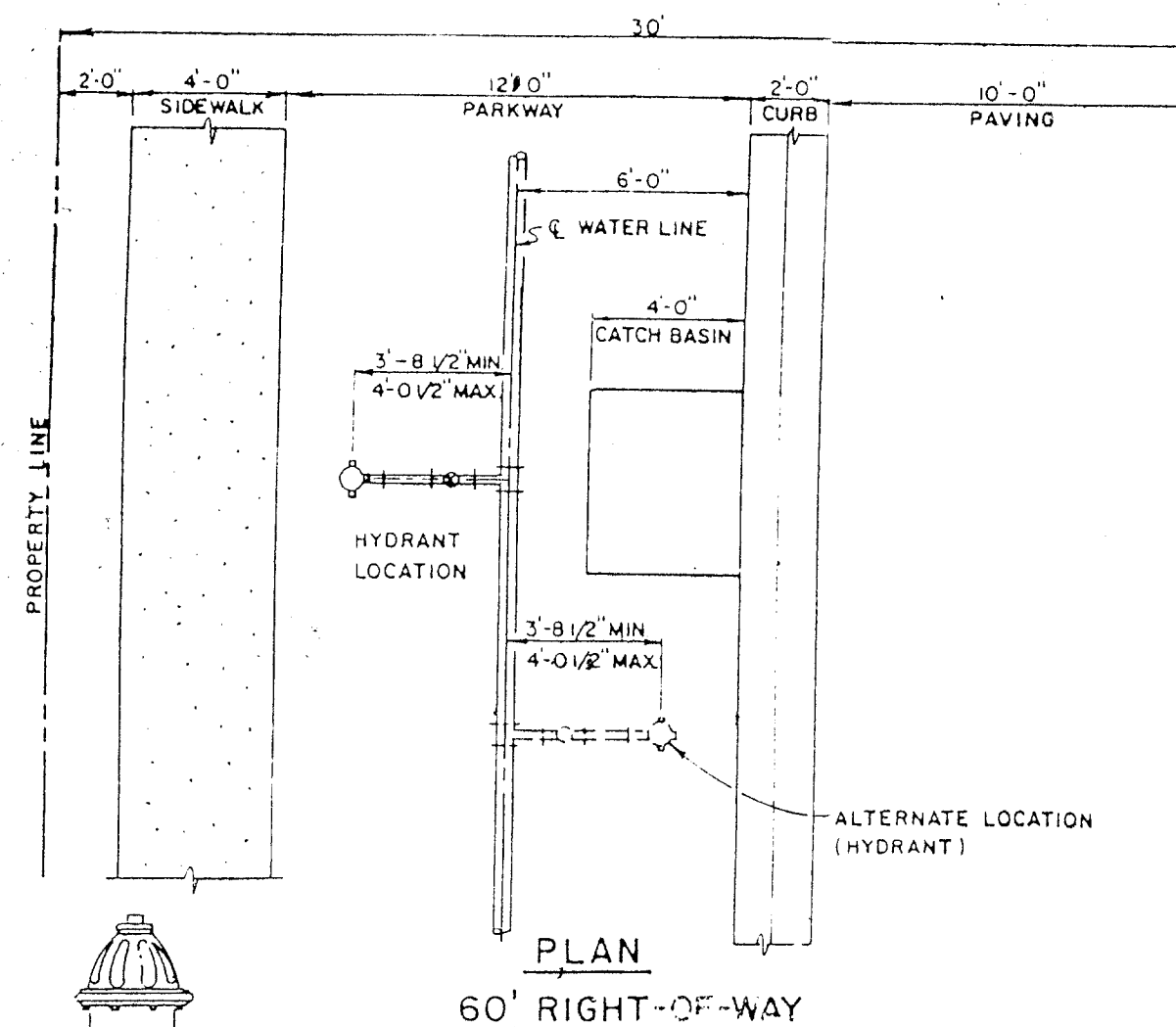
TYPICAL TAPPING VALVE & SLEEVE



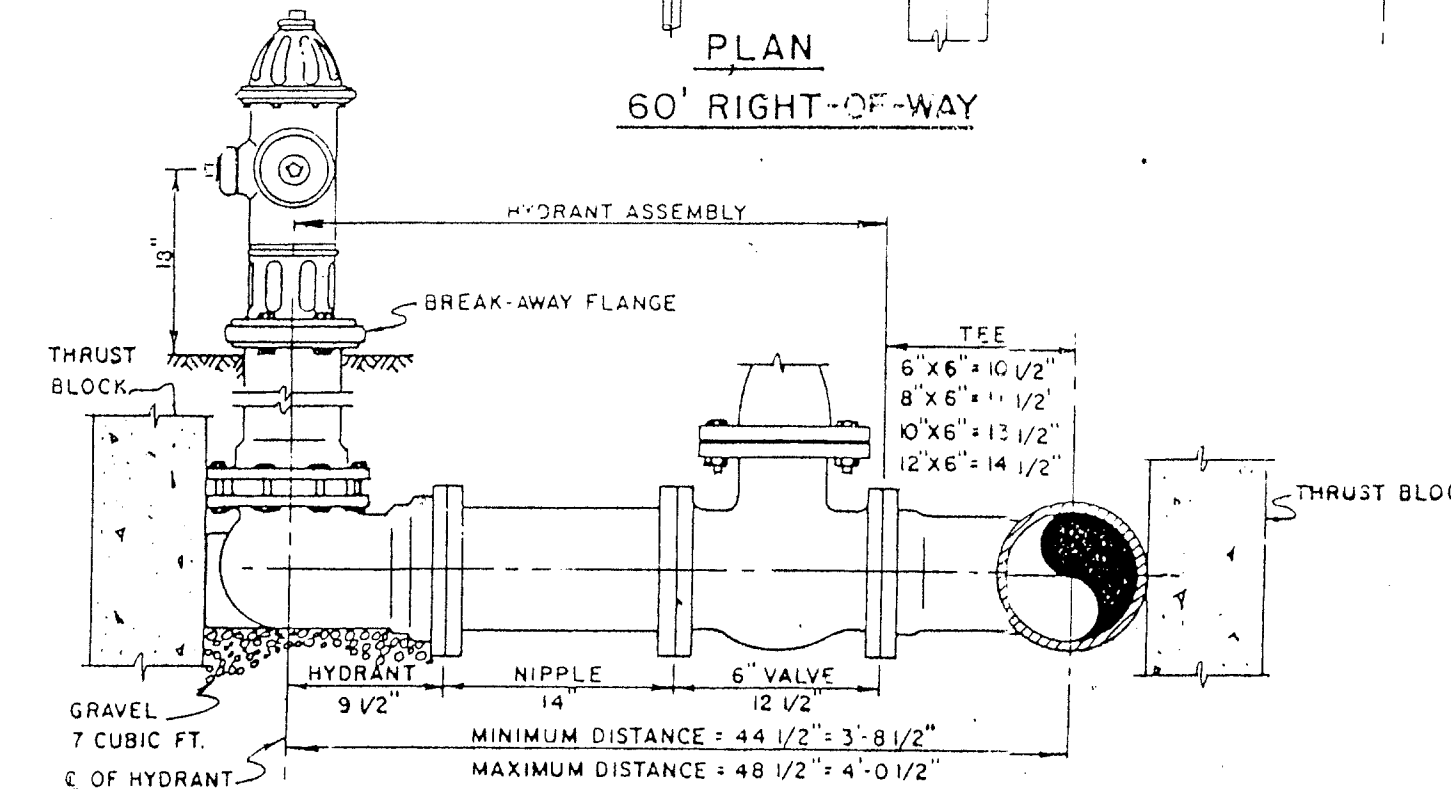
Vertical Clearance Gravity Sewer



Horizontal Clearance

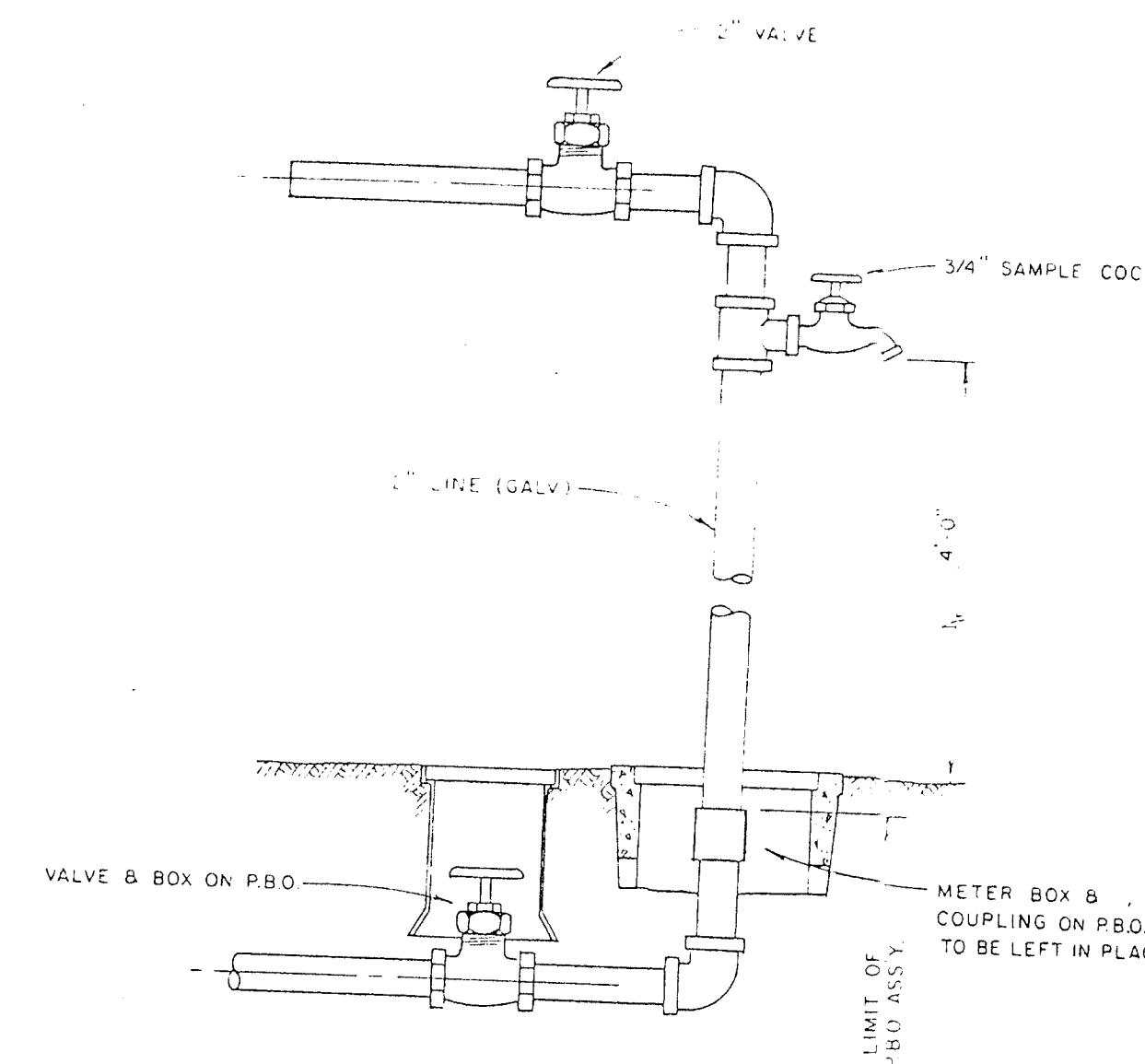


PLAN 60' RIGHT-OF-WAY



NOTE: FOR DETAILS OF THRUST BLOCK SEE CITY STANDARDS W-1

STANDARD FIRE HYDRANT ASSEMBLY

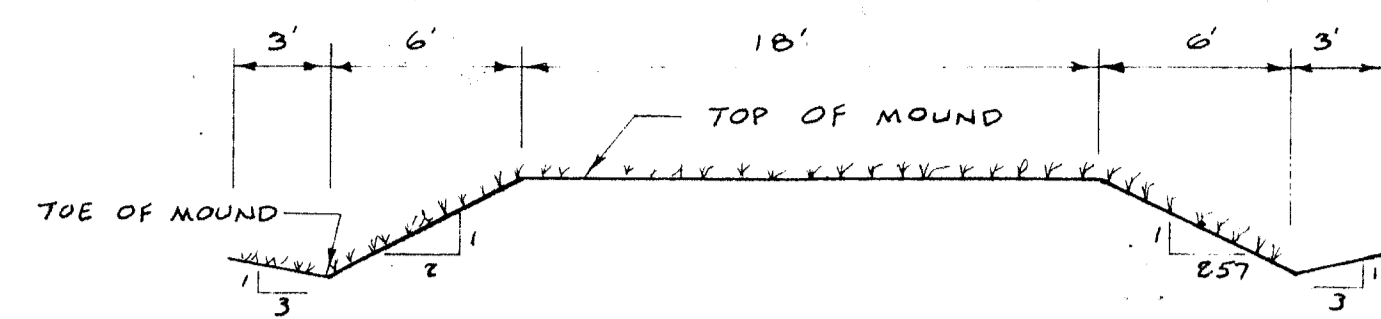


NOTE: TO BE INSTALLED AND REMOVED AS PER HEALTH DEPT. REQUIREMENTS

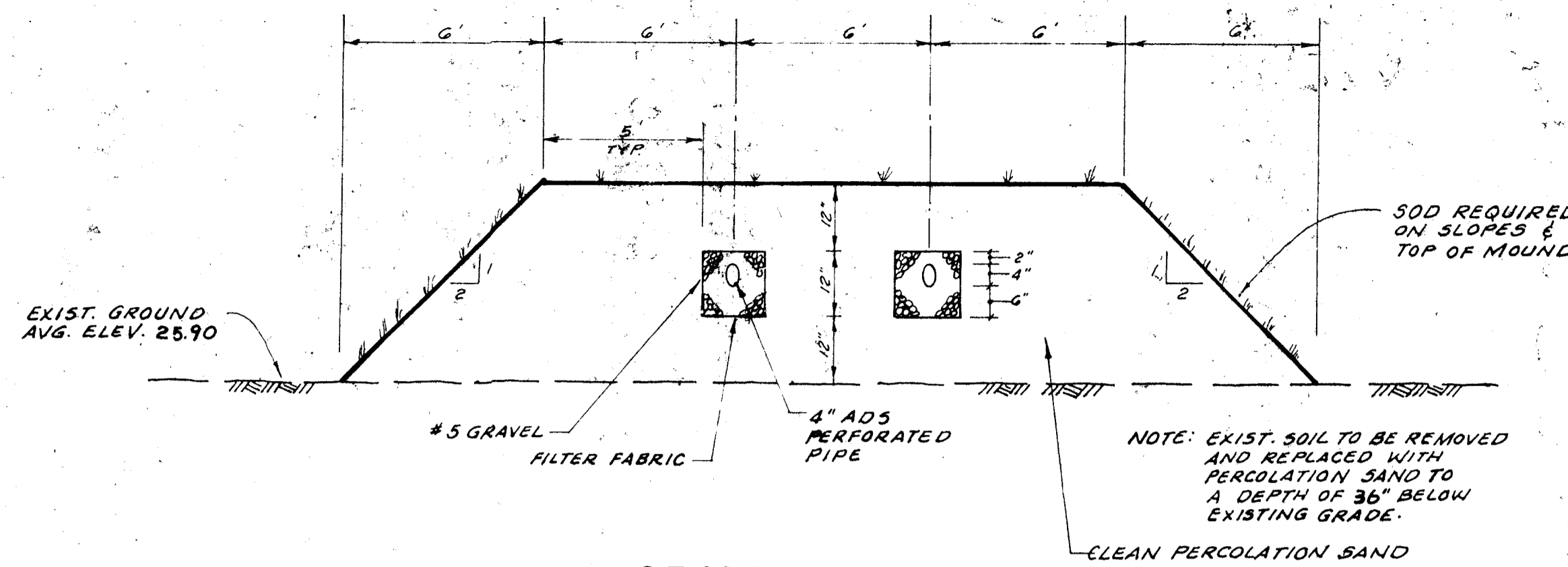
BLOW-OFF & SAMPLING DETAILS



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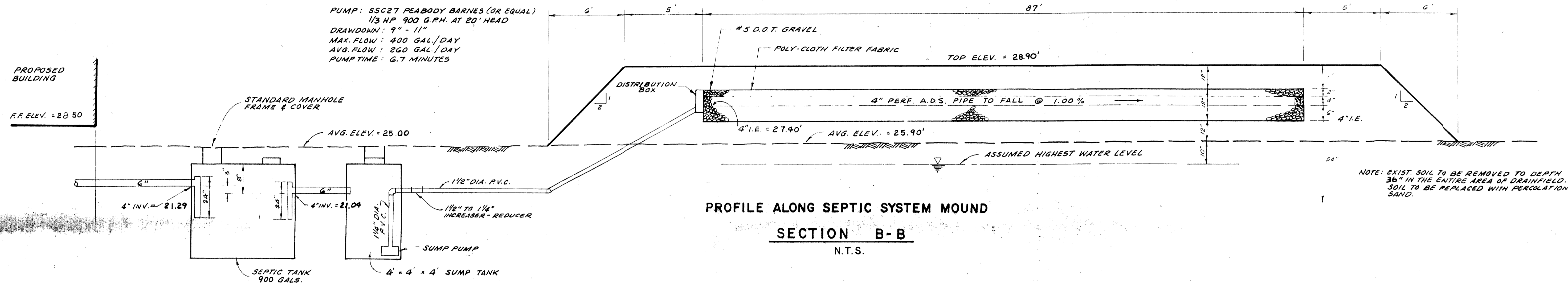
SECTION E-E
N.T.S.



SECTION A-A
N.T.S.

NOTE:
BUILDING TO EMPLOY FIVE (5)
FULL TIME EMPLOYEES.

SANITARY SEWER SERVICE
(5) EMPLOYEES X 20 G.P.D. / EMPLOYEE =
100 G.P.D. OF WASTE

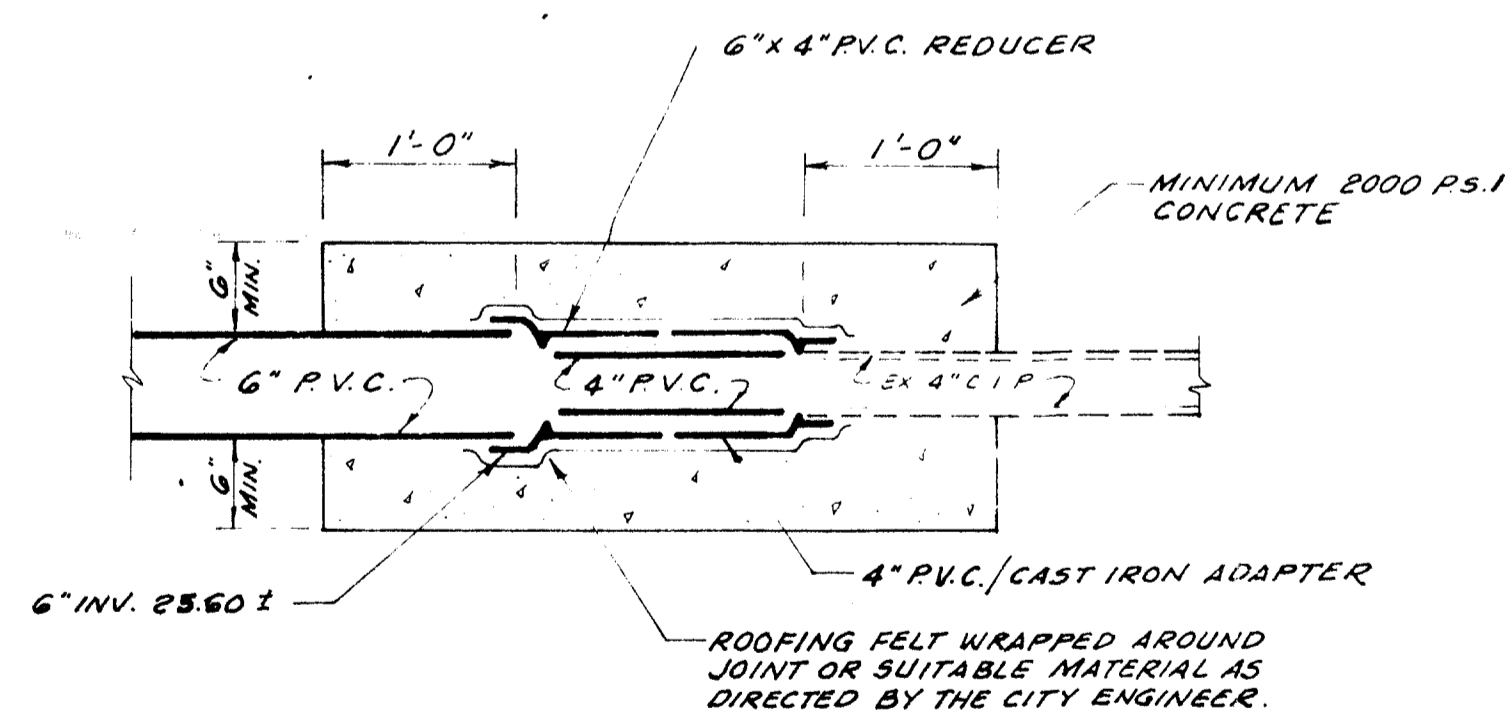


PROFILE ALONG SEPTIC SYSTEM MOUND
SECTION B-B
N.T.S.

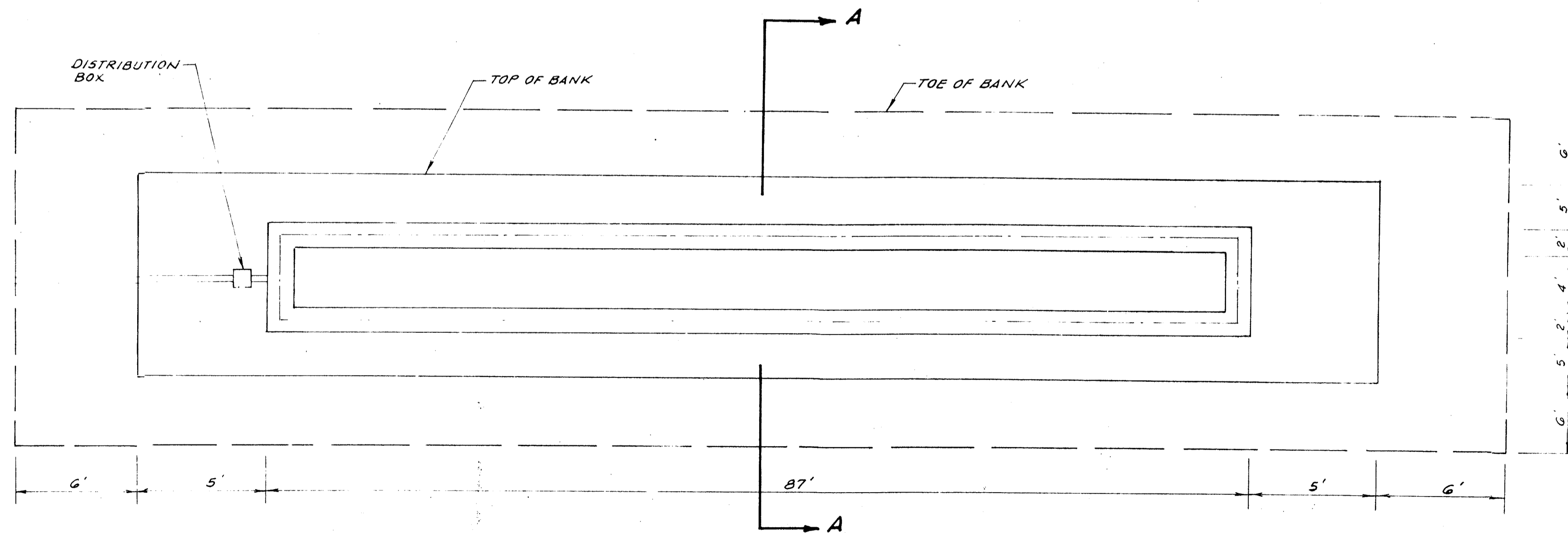
PUMP: SSC27 PEABODY BARNES (OR EQUAL)
1/3 HP 900 G.P.H. AT 20' HEAD
DRAWDOWN: 9" - 11"
MAX. FLOW: 400 GAL./DAY
AVG. FLOW: 260 GAL./DAY
PUMP TIME: 6.7 MINUTES

NOTE:
FLOAT VALVE OF PUMP TO BE
SET AT ELEVATION TO PROVIDE
FOR 125 GAL. / CYCLE DUMP

NOTE: EXIST. SOIL TO BE REMOVED TO DEPTH
36" IN THE ENTIRE AREA OF DRAINFIELD.
SOIL TO BE REPLACED WITH PERCOLATION
SAND.



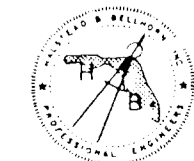
**SANITARY SEWER CONCRETE
TRANSITION JOINT DETAIL**
N.T.S.

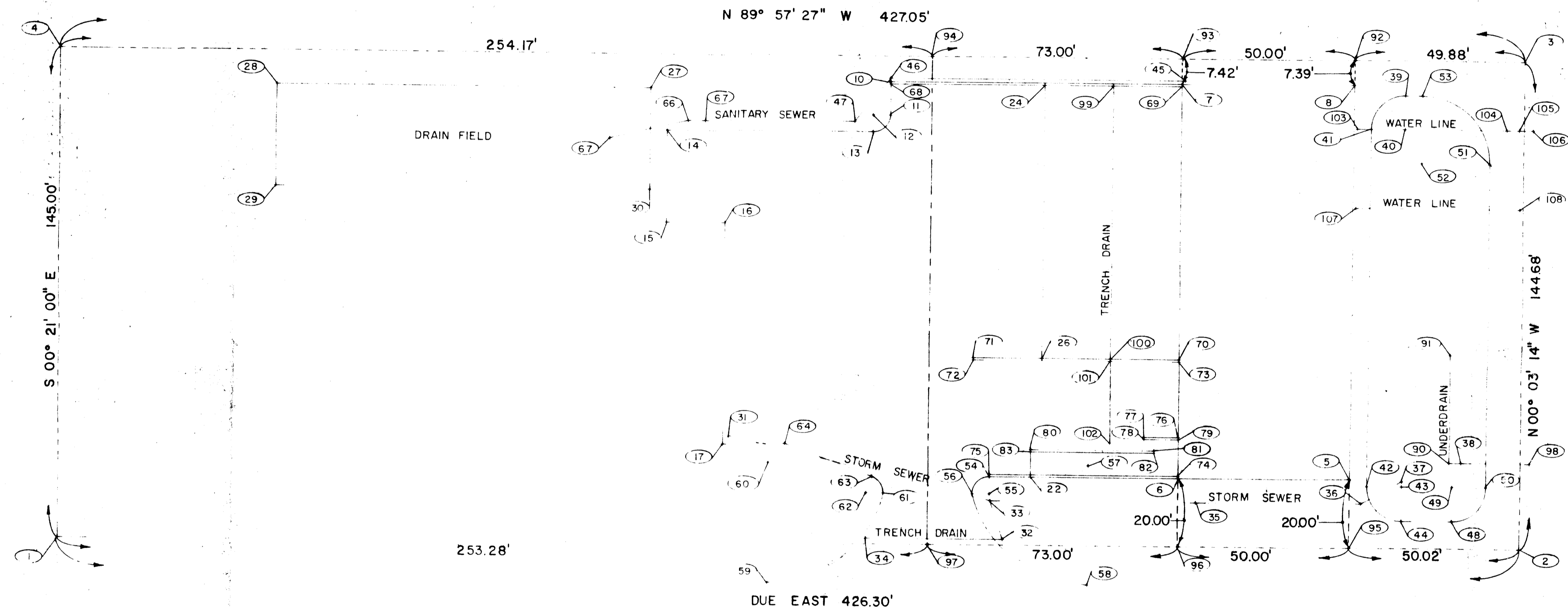


PLAN
N.T.S.

48 HOURS PRIOR TO
CONSTRUCTION
CALL CANDY
1 - 800 - 282-8881

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SOUTHWEST DISTRICT





CITY ENVIRONMENTAL SERVICES OF FLORIDA, INC.
 7202 EAST EIGHTH AVENUE
 TAMPA, FLORIDA 33619



HALSTEAD & BELLHORN INC.
 CIVIL ENGINEERS
 3931 88TH AVENUE NORTH, PINELLAS PARK, FLORIDA 34665
 (813) 527-4737

COORDINATE PLAN

X

TECTONICS INT

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27550

LAE

JSK

7 of 8

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 DEC 30 1989
 Department of
 SOUTHWEST DISTRICT

1	10000.000000	10000.000000
2	10000.000000	10426.300000
3	10144.679936	10426.163923
4	10144.996707	9999.114040
5	10020.000000	10376.281167
6	10020.000000	10326.281167
7	10137.330000	10326.281167
8	10137.330000	10376.281167
9	10137.330000	10291.281167
10	10137.330000	10241.281167
11	10127.330000	10241.281167
12	10127.330000	10236.281167
13	10122.330000	10236.281167
14	10122.330000	10176.281167
15	10095.000000	10176.281167
16	10095.000000	10193.281167
17	10029.000000	10193.281167
18	10020.000000	10214.281167
19	10020.000000	10238.281167
20	10020.000000	10241.281167
21	10020.000000	10281.281167
22	10020.000000	10283.281167
23	10020.000000	10326.281167
24	10136.670000	10286.281167
25	10020.000000	10291.281167
26	10055.000000	10286.281167
27	10134.868996	10171.281167
28	10134.868996	10062.281167
29	10104.868996	10062.281167
30	10104.868996	10171.281167
31	10031.208333	10194.947834
32	10001.666667	10275.300000
33	10013.000000	10271.550000
34	10001.666667	10235.300000
35	10013.000000	10331.550000
36	10013.000000	10379.550000
37	10019.500000	10391.300000
38	10024.983530	10408.776494
39	10134.330000	10391.281167
40	10124.330000	10391.281167
41	10124.330000	10381.281167
42	10018.000000	10381.281167
43	10018.000000	10391.281167
44	10008.000000	10391.281167
45	10138.330000	10327.281167
46	10138.330000	10241.281167
47	10125.330000	10230.781167
48	10008.000000	10406.281167
49	10018.000000	10406.281167
50	10018.000000	10416.281167
51	10114.330000	10416.281167
52	10114.330000	10396.281167
53	10134.330000	10396.281167
54	10020.000000	10271.281167
55	10015.000000	10271.281167
56	10015.000000	10266.281167
57	10023.500000	10300.051812
58	9988.500000	10300.051812
59	9988.500000	10206.510522
60	10023.500000	10206.510522
61	10015.000000	10240.281167
62	10015.000000	10235.281167
63	10019.701753	10236.982203
64	10029.000000	10211.281167
65	10125.330000	10187.281167
66	10125.330000	10182.281167
67	10119.877650	10159.595452
68	10136.670000	10241.281167
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70	10055.000000	10326.281167
71	10055.000000	10266.281167
72	10054.340000	10266.281167
73	10054.340000	10326.281167
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75	10020.660000	10271.281167
76	10032.000000	10326.281167
77	10032.000000	10316.281167
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81	10028.000000	10319.281167
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84	10031.340000	10318.281167
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87	10028.000000	10318.281167
88	10028.000000	10317.281167
89	10028.000000	10316.281167
90	10024.980238	10405.276496
91	10056.980223	10405.246398
92	10144.716937	10376.281167

93	10144.754026	10326.281167
94	10144.808174	10253.281167
95	10000.000000	10376.281167
96	10000.000000	10326.281167
97	10000.000000	10253.281167
98	10025.002340	10428.776485
99	10136.670000	10306.281167
100	10055.000000	10306.281167
101	10054.340000	10306.281167
102	10030.208333	10306.281167
103	10124.330000	10377.281167
104	10124.330000	10421.883063
105	10124.330000	10428.683063
106	10124.330000	10428.683063
107	10100.830000	10377.281167
108	10100.830000	10425.205166

WATER LINE

FROM ref. pt# 3 on brg. between points 3 - 2 @ Sta. 0

@ Sta.	20.352 Point#	106 is LEFT	2.500 feet
@ Sta.	20.349 Point#	105 is RIGHT	1.500 feet
@ Sta.	20.345 Point#	104 is RIGHT	5.000 feet
@ Sta.	20.304 Point#	103 is RIGHT	48.902 feet
@ Sta.	43.849 Point#	108 is RIGHT	1.000 feet
@ Sta.	43.804 Point#	107 is RIGHT	48.924 feet

SANITARY SEWER

FROM ref. pt# 94 on brg. between points 94 - 97 @ Sta. 0

@ Sta.	6.478 Point#	45 is LEFT	74.000 feet
@ Sta.	6.478 Point#	46 is RIGHT	12.000 feet
@ Sta.	19.478 Point#	47 is RIGHT	22.500 feet
@ Sta.	19.478 Point#	65 is RIGHT	65.000 feet
@ Sta.	19.478 Point#	66 is RIGHT	71.000 feet
@ Sta.	24.931 Point#	67 is RIGHT	93.686 feet

DRAIN FIELD

FROM ref. pt# 94 on brg. between points 94 - 4 @ Sta. 0

@ Sta.	81.993 Point#	27 is LEFT	10.000 feet
@ Sta.	190.993 Point#	28 is LEFT	10.081 feet
@ Sta.	190.970 Point#	29 is LEFT	40.081 feet
@ Sta.	81.970 Point#	30 is LEFT	40.000 feet

STORM SEWER

FROM ref. pt# 2 on brg. between points 2 - 1 @ Sta. 0

@ Sta.	-2.476 Point#	98 is RIGHT	25.002 feet
@ Sta.	17.524 Point#	38 is RIGHT	24.984 feet
@ Sta.	21.024 Point#	90 is RIGHT	24.980 feet
@ Sta.	21.054 Point#	91 is RIGHT	56.980 feet
@ Sta.	35.000 Point#	37 is RIGHT	19.500 feet
@ Sta.	48.750 Point#	36 is RIGHT	13.000 feet
@ Sta.	94.750 Point#	35 is RIGHT	13.000 feet
@ Sta.	154.750 Point#	33 is RIGHT	1.667 feet
@ Sta.	151.000 Point#	32 is RIGHT	31.208 feet
@ Sta.	231.952 Point#	31 is RIGHT	31.208 feet

POND

FROM ref. pt# 3 on brg. between points 3 - 2 @ Sta. 0

@ Sta.	10.322 Point#	53 is RIGHT	29.892 feet
@ Sta.	10.317 Point#	39 is RIGHT	34.892 feet
@ Sta.	20.317 Point#	40 is RIGHT	34.902 feet
@ Sta.	20.308 Point#	41 is RIGHT	44.902 feet
@ Sta.	30.341 Point#	51 is RIGHT	9.911 feet
@ Sta.	30.322 Point#	52 is RIGHT	29.911 feet
@ Sta.	126.671 Point#	50 is RIGHT	10.002 feet
@ Sta.	126.661 Point#	49 is RIGHT	20.002 feet
@ Sta.	126.647 Point#	43 is RIGHT	35.002 feet
@ Sta.	126.638 Point#	42 is RIGHT	45.002 feet
@ Sta.	136.661 Point#	48 is RIGHT	20.011 feet
@ Sta.	136.647 Point#	44 is RIGHT	35.011 feet

TRENCH DRAIN

FROM ref. pt# 94 on brg. between points 94 - 97 @ Sta. 0

@ Sta.	8.138 Point#	99 is LEFT	53.000 feet
@ Sta.	89.808 Point#	100 is LEFT	53.000 feet
@ Sta.	90.468 Point#	101 is LEFT	53.000 feet
@ Sta.	114.600 Point#	102 is LEFT	53.000 feet
@ Sta.	143.142 Point#	34 is RIGHT	17.981 feet
@ Sta.	143.142 Point#	32 is LEFT	22.019 feet

RETAINING WALLS

FROM ref. pt# 94 on brg. between points 94 - 97 @ Sta. 0

@ Sta.	7.478 Point#	10 is RIGHT	12.000 feet
@ Sta.	8.138 Point#	68 is RIGHT	12.000 feet
@ Sta.	7.478 Point#	7 is LEFT	73.000 feet
@ Sta.	8.138 Point#	69 is LEFT	73.000 feet
@ Sta.	89.808 Point#	71 is LEFT	13.000 feet
@ Sta.	90.468 Point#	72 is LEFT	13.000 feet
@ Sta.	89.808 Point#	70 is LEFT	73.000 feet
@ Sta.	90.468 Point#	73 is LEFT	73.000 feet
@ Sta.	112.808 Point#	77 is LEFT	63.000 feet
@ Sta.	113.468 Point#	78 is LEFT	63.000 feet
@ Sta.	112.808 Point#	76 is LEFT	73.000 feet
@ Sta.	113.468 Point#	79 is LEFT	73.000 feet
@ Sta.	116.808 Point#	80 is LEFT	30.000 feet
@ Sta.	117.468 Point#	83 is LEFT	30.000 feet
@ Sta.	116.808 Point#	81 is LEFT	66.000 feet
@ Sta.	117.468 Point#	82 is LEFT	66.000 feet
@ Sta.	124.148 Point#	75 is LEFT	18.000 feet
@ Sta.	124.808 Point#	54 is LEFT	18.000 feet
@ Sta.	124.148 Point#	74 is LEFT	73.000 feet
@ Sta.	124.808 Point#	6 is LEFT	73.000 feet

PARKING

FROM ref. pt# 97 on brg. between points 97 - 94 @ Sta. 0

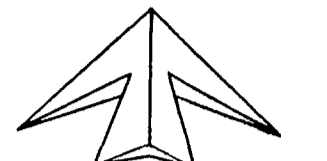
@ Sta.	-11.500 Point#	59 is LEFT	46.771 feet
@ Sta.	23.500 Point#	60 is LEFT	46.771 feet
@ Sta.	15.000 Point#	61 is LEFT	13.000 feet
@ Sta.	15.000 Point#	62 is LEFT	18.000 feet
@ Sta.	19.702 Point#	63 is LEFT	15.299 feet
@ Sta.	29.000 Point#	64 is LEFT	42.000 feet
@ Sta.	29.000 Point#	17 is LEFT	60.000 feet
@ Sta.	95.000 Point#	16 is LEFT	60.000 feet
@ Sta.	95.000 Point#	15 is LEFT	77.000 feet
@ Sta.	122.330 Point#	14 is LEFT	77.000 feet
@ Sta.	127.330 Point#	13 is LEFT	17.000 feet
@ Sta.	127.330 Point#	12 is LEFT	17.000 feet
@ Sta.	20.000 Point#	11 is LEFT	12.000 feet
@ Sta.	15.000 Point#	54 is RIGHT	18.000 feet
@ Sta.	15.000 Point#	55 is RIGHT	18.000 feet
@ Sta.	15.000 Point#	56 is RIGHT	13.000 feet
@ Sta.	23.500 Point#	57 is RIGHT	46.771 feet
@ Sta.	-11.500 Point#	58 is RIGHT	46.771 feet

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Department of Engineering
SOUTHWEST DISTRICT

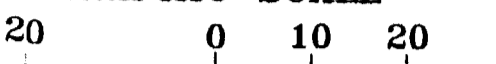
LEGAL DESCRIPTION

A SURVEY OF LOTS 8 THRU 14, INCLUSIVE, BLOCK 1, ORIENT PARK, AS RECORDED IN PLAT BOOK 11, PAGE 7, PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA; TOGETHER WITH THE EAST 1/2 OF THAT PORTION OF 72ND STREET (62ND STREET PER PLAT) ABUTTING LOT 8, BLOCK 1, AND LOT 2, BLOCK 2, OF STATED ORIENT PARK.

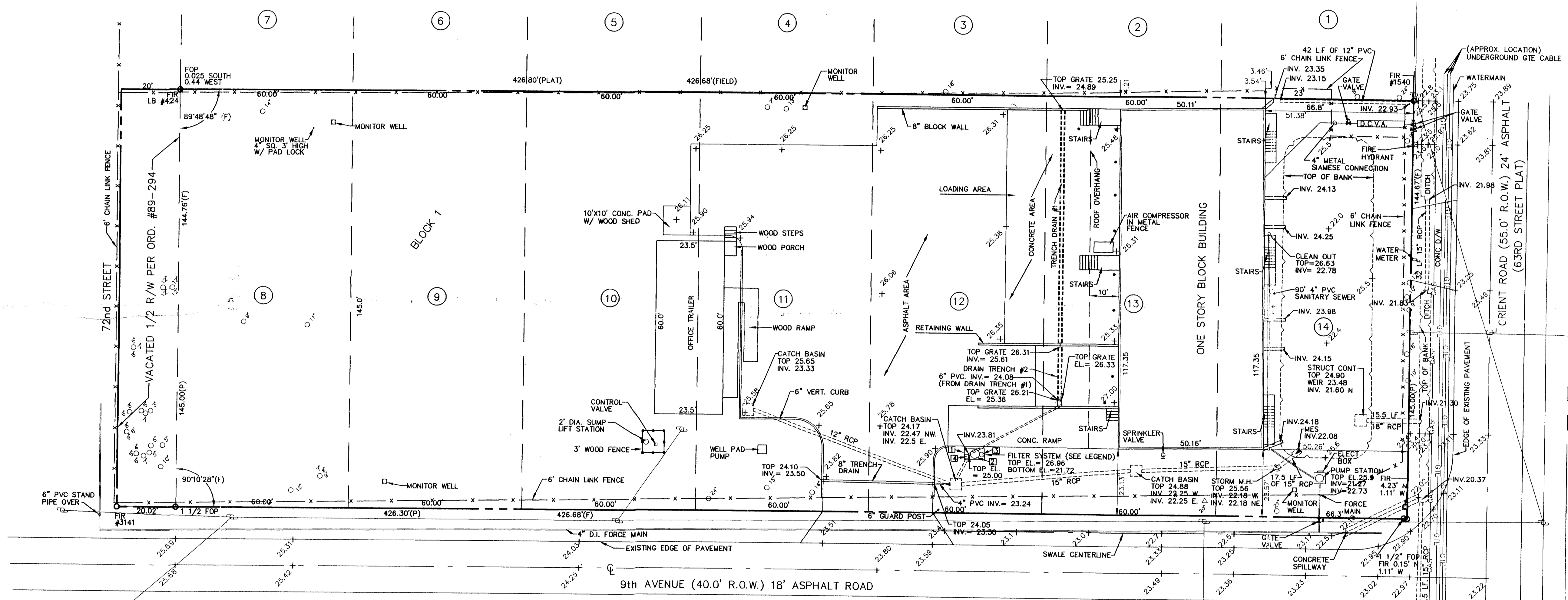
DESCRIPTION: (WATER LINE EASEMENT)
THE SOUTH 5.0 FEET OF LOTS 8 THRU 14, INCLUSIVE, BLOCK 1, ORIENT PARK, AS RECORDED IN PLAT BOOK 11, PAGE 7, PUBLIC RECORDS OF HILLSBOROUGH COUNTY, FLORIDA; TOGETHER WITH THE SOUTH 5.0 FEET OF THE EAST 1/2 OF THAT PORTION OF 72ND STREET (62ND STREET PER PLAT) ABUTTING LOT 8, BLOCK 1, AND LOT 2, BLOCK 2, OF STATED ORIENT PARK.



NORTH
GRAPHIC SCALE



(IN FEET)
1 inch = 20 ft.
12-27-94
8143-A



GENERAL NOTES

1. ALL PALM TREES ARE INDICATED BY
2. ALL OAK TREES ARE INDICATED BY
3. ALL OVERHEAD WIRE
4. ALL WATER LINES INDICATED BY
5. ALL GAS LINE INDICATED BY
6. BENCHMARK: CITY OF TAMPA ■ CUT SW COR. CONC. WALK, 5' SOUTH CORNER CONCRETE BLOCK BUILDING AT NE CORNER ORIENT ROAD AND EAST BROADWAY, ELEVATION= 29.941 MEAN SEA LEVEL = 0.00
7. ALL GUARD POST INDICATED BY *
8. ALL FINISHED GRADES INDICATED BY +_{12.80}

LEGEND

- 24" DIA. x 48" DEEP CONCRETE PIPE SUMP WITH COVER
- 1800+ GALLON VERTICAL FIBERGLASS TANK SAND FILTER
- 55 GALLON CARBON FILTER - DISCHARGE TO CATCH BASIN
- MANUALLY OPERATED 1/2 H.P. SUBMERSIBLE PUMP, 30± GPM 1 1/2" NPT DISCHARGE, 110 V, 11.8 AMPS

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DEC 30 1994
Department of Environmental Protection
BY SOUTHWEST DISTRICT

CITY ENVIRONMENTAL SERVICES OF FLORIDA, INC. 7202 EAST EIGHTH AVENUE TAMPA, FLORIDA 33619

SEMINOLE ENGINEERING, INC.
14483 62ND STREET NORTH CLEARWATER, FL. 34620
TELEPHONE (813) 539-0051

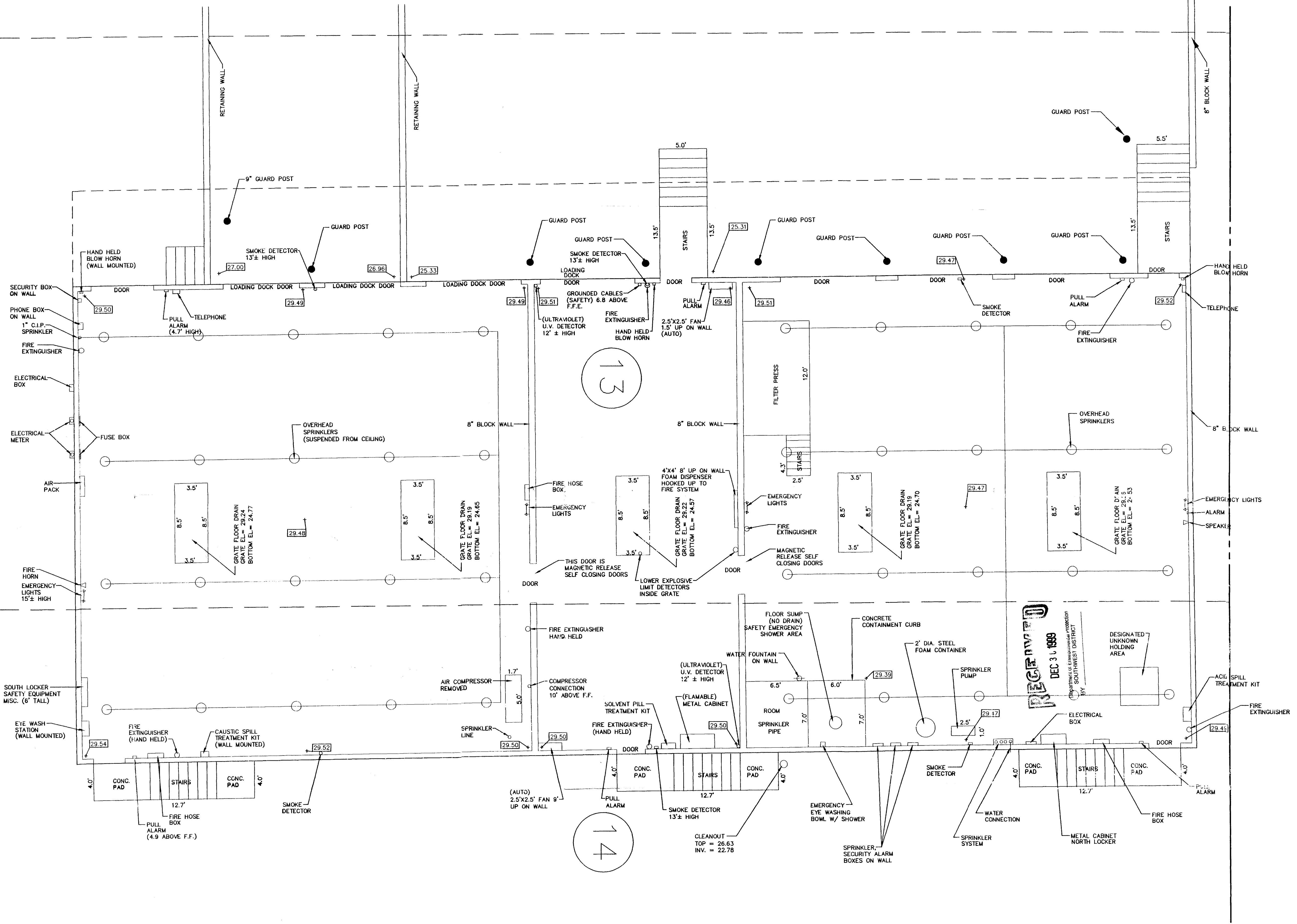
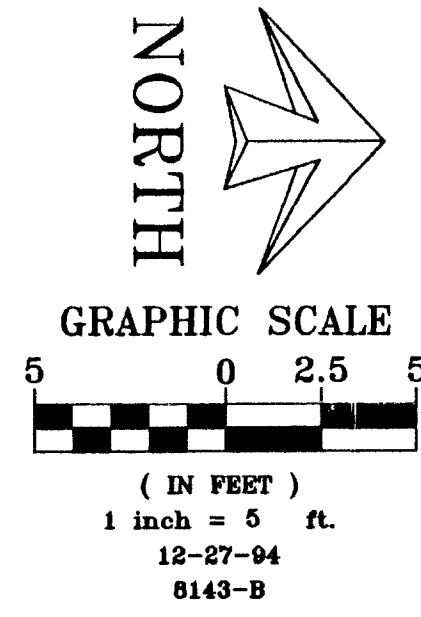
KBN KBN ENGINEERING AND APPLIED SCIENCES, INC.
5405 W. Cypress St., Suite 215 Tampa, Florida 33607
Telephone: (813) 287-1717 FAX: (813) 287-1716

DATE	No.	REVISIONS	BY	SCALE	CLIENT	DATE	CHECKED BY	
12/21/94		KBN ENGINEERING AND APPLIED SCIENCES, INC.; BY WLR	SR	1" = 20'	UNIVERSAL WASTE & TRANSIT, INC.	12-12-94	JES	
12/12/94		JOB NO. 8143; DRAWN BY JES	JHM					JHM
4/12/89		JOB NO. 8143; SEMINOLE ENGINEERING; BY CN	EWR					JHM

RECORD DRAWING - 11/22/94

James M. Winter
JAMES M. WINTER, P.E. # 18313
DATE: 11/27/94

DWG. FILE No. 8143-A	PROJECT No. 8143
FIELD BOOK No.	ENG. SHEET No.
	1 OF 2



CITY ENVIRONMENTAL SERVICES OF FLORIDA, INC. 7202 EAST EIGHTH AVENUE TAMPA, FLORIDA 33619
KBN ENGINEERING AND APPLIED SCIENCES, INC. 5405 W. Cypress St., Suite 215 Tampa, Florida 33607 Telephone: (813) 287-1717 FAX: (813) 287-1716

DATE	No.	REVISIONS	BY

PRELIMINARY
 CONSTRUCTION
 RECORD DRAWING

CLIENT: UNIVERSAL WASTE & TRANSIT, INC.
 DATE: 12-12-94
 DRAWN BY: JES
 CHECKED BY: JMH
 SCALE: 1" = 5'

SEMINOLE ENGINEERING, INC.
 14483 62nd STREET NORTH
 CLEARWATER, FL. 34620
 TELEPHONE (813) 539-0051

RECORD DRAWING -- 11/22/94

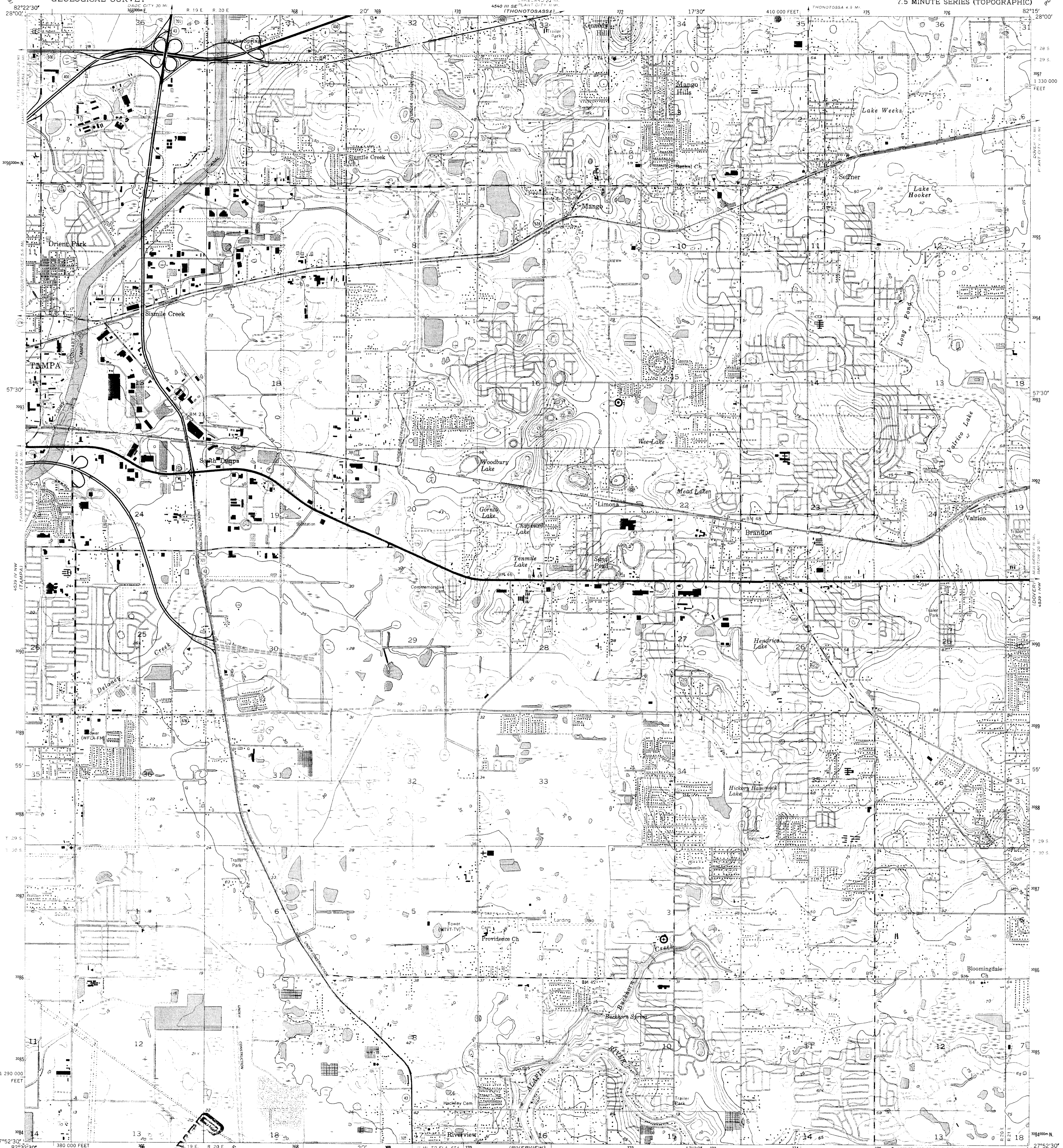
James Winter
 JAMES M. WINTER, P.E. # 18313
 DATE: 12/27/94

DWG. FILE No. 8143-B
 PROJECT No. 8143
 FIELD BOOK No.
 ENG. SHEET No. 2 OF 2

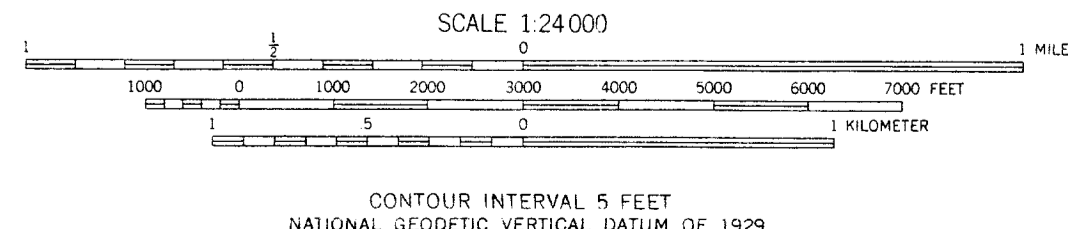
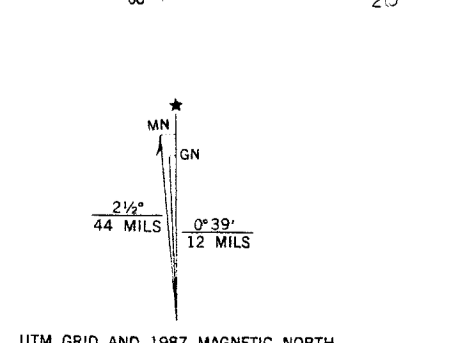
C:\ACAD\DWG\8143-B.DWG Dec. 27, 1994 01:11 p.m. JST

UNITED STATES
DEPARTMENT OF THE INTERIOR
GEOLOGICAL SURVEY

BRANDON QUADRANGLE
FLORIDA-HILLSBOROUGH CO.
7.5 MINUTE SERIES (TOPOGRAPHIC)



Mapped, edited, and published by the Geological Survey
Control by USGS, NOS/NOAA, and Florida Geodetic Survey
Culture and drainage in part compiled from aerial photographs
taken 1955. Topography by planetable surveys 1955-1959.
Polyconic projection. 10,000-foot grid ticks based on Florida
coordinate system, west zone. 1000-meter Universal Transverse
Mercator grid ticks, zone 17, shown in blue. 1927 North
American Datum. To place on the predicted North American
Datum 1983 move the projection lines 29 meters south and
17 meters west as shown by dashed corner ticks
Purple tint indicates extension of urban areas



ROAD CLASSIFICATION

Heavy-duty	Light-duty
Medium-duty	Unimproved dirt
U.S. Route	State Route
	Interstate Route

CITY ENVIRONMENTAL
SERVICES OF FLORIDA, INC.

7202 EAST EIGHTH AVENUE
TAMPA, FLORIDA 33619

THIS MAP COMPLIES WITH NATIONAL MAP ACCURACY STANDARDS
FOR SALE BY U.S. GEOLOGICAL SURVEY
DENVER, COLORADO 80225 OR RESTON, VIRGINIA 22092
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

Revisions shown in purple and woodland compiled in cooperation
with State of Florida agencies from aerial photographs taken 1984
and other sources. This information not field checked
Map edited 1987

BRANDON, FLA.
27082-H3-TF-024
1986
PHOTOREVISED 1987
DMA 4539 IV NE-SERIES V847



N 1320,000



**HILLSBOROUGH COUNTY
REAL ESTATE DEPARTMENT
SURVEY AND MAPPING/GIS**

COUNTY CENTER
601 E. KENNEDY BLVD. 21st FLOOR
TAMPA, FLORIDA 33602

DATE OF PHOTOGRAPHY: FEBRUARY 1997

SCALE: 1" = 200'

COMPILED FROM PHOTOGRAMMETRIC METHODS
BY:

GIS/TEC AEROCARTO, INC.
PLANT CITY, FLORIDA

ACCURACY:
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STATE PLANE COORDINATE SYSTEM:
THE GRID MARKS SHOWN ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM WEST ZONE. NAD 1983 ADJUSTMENT 1990

36	31	32	33	34	35	36	31
1	8	5	4	3	2	1	8
12	7	8	9	10	11	12	7
13	18	17	16	15	14	13	18
24	19	20	21	22	23	24	19
25	30	29	28	27	26	25	30
36	31	32	33	34	35	36	31
1	8	5	4	3	2	1	8

SECTION	TOWNSHIP	RANGE
14	29	19

RECEIVED
 DEC 3 0 1999
 Department of Environmental Protection
 BY: SOUTHWEST DISTRICT

CITY ENVIRONMENTAL SERVICES OF FLORIDA, INC. 7202 EAST EIGHTH AVENUE TAMPA, FLORIDA 33619

LAND USE REFERENCES

VACATINGS OF R/W & EASEMENT

- 1 C.M.B. 11 Pg. 197
- 2 C.M.B. 11 Pg. 605
- 3 C.M.B. 11 Pg. 487
- 4 Ord. 1674-A
- 5 Ord. 2716-A
- 6 Ord. 4669-A
- 7 Ord. 7049-A
- 8 Ord. 5779-A
- 9 Ord. 5252-A
- 10 Ord. 8058-A
- 11 Ord. 7210-A
- 12 C.M.B. 14 Pg. 506
- 13 Ord. 5963-G
- 14 Ord. 5949-A
- 15 Ord. 8409-A
- 16 Ord. 8509-A

ACQUISITIONS OF R/W & EASEMENT

- 1 Res. 0099-G
- 2 Res. 0100-G
- 3 Res. 0101-G
- 4 Res. 7761-G
- 5 C.M.B. 11 Pg. 482
- 6 Res. 3309-F
- 7 Res. 9800-D
- 8 Res. 8649-E
- 9 Res. 8478-E
- 10 Res. 1510-D
- 11 Res. 2084-F
- 12 Res. 8434-F
- 13 Res. 95-D
- 14 Res. 2422-D
- 15 Res. 9923-G
- 16 Res. 5651-G
- 17 Res. 617-E
- 18 Res. 43-E
- 19 Res. 2480-D
- 20 Res. 744-D
- 21 C.M.B. 11 Pg. 222
- 22 Res. 2391-F
- 23 C.M.B. 11 Pg. 358

CITY PROPERTIES

SMALL SUBDIVISIONS

- 1 PLAT OF MICHIGAN & BROADWAY SUBDIVISION

NOTE:
THE CITY MAKES NO WARRANTY, EXPRESSED OR IMPLIED,
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REVISED BY: .19



CITY OF TAMPA, FLORIDA
RIGHT OF WAY & MAPPING DIVISION
DEPARTMENT OF HOUSING, INSPECTIONS
AND COMMUNITY SERVICES



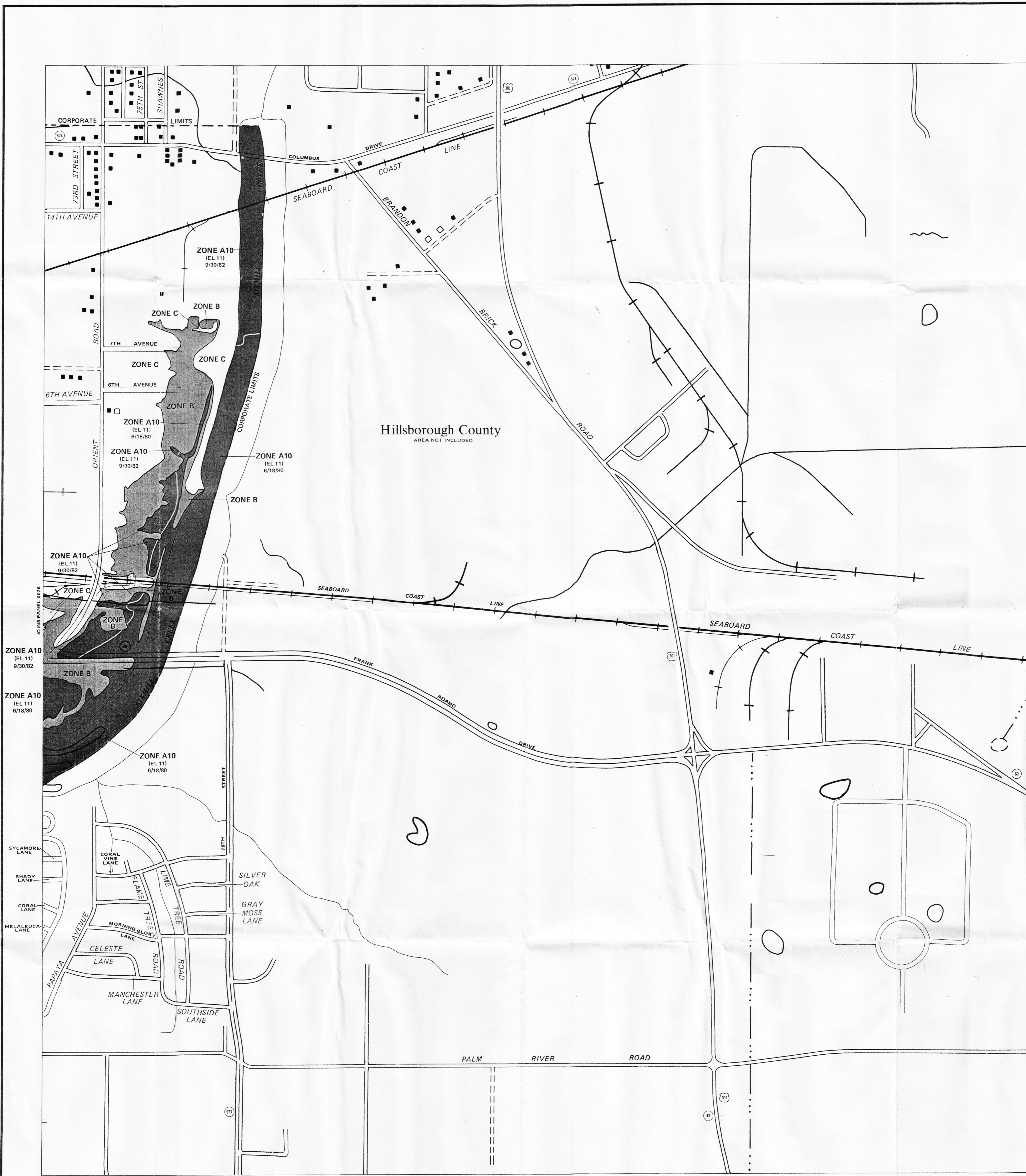
SEC. 14 - T29S - R19E

H-17

10.3

ZON VERP: 19/19 BY: 19/19
CORRECTIONS NEEDED: [] YES [] NO
DIGITIZED: 19 BY:

DEC 3 1989
DRAWING BY: [Signature]
DATE: 11/17/89



KEY TO MAP

500-Year Flood Boundary	—
100-Year Flood Boundary	—
Zone Designations* With Date of Identification e.s., 12/2/74	—
100-Year Flood Boundary	—
500-Year Flood Boundary	—
Base Flood Elevation Line With Elevation In Feet**	513
Base Flood Elevation In Feet Where Uniform Within Zone**	(EL 987)
Elevation Reference Mark	RM7x
Zone D Boundary	—
River Mile	•M1.5

**Referenced to the National Geodetic Vertical Datum of 1929

***EXPLANATION OF ZONE DESIGNATIONS**

ZONE	EXPLANATION
A	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A0	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; average depths of inundation are shown, but no flood hazard factors are determined.
AH	Areas of 100-year shallow flooding where depths are between one (1) and three (3) feet; base flood elevations are shown, but no flood hazard factors are determined.
A1-A30	Areas of 100-year flood; base flood elevations and flood hazard factors not determined.
A99	Areas of 100-year flood to be protected by flood protection system under construction; base flood elevations and flood hazard factors not determined.
B	Areas between limits of the 100-year flood and 500-year flood; or certain areas subject to 100-year flooding with average depths less than one (1) foot or where the contributing drainage area is less than one square mile; or areas protected by levees from the base flood. (Medium shading)
C	Areas of minimal flooding. (No shading)
D	Areas of undetermined, but possible, flood hazards.
V	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors not determined.
V1-V30	Areas of 100-year coastal flood with velocity (wave action); base flood elevations and flood hazard factors determined.

NOTES TO USER

Certain areas not in the special flood hazard areas (zones A and V) may be protected by flood control structures.

This map is for flood insurance purposes only; it does not necessarily show all areas subject to flooding in the community or all planimetric features outside special flood hazard areas.

For adjoining map panels, see separately printed Index To Map Panels.

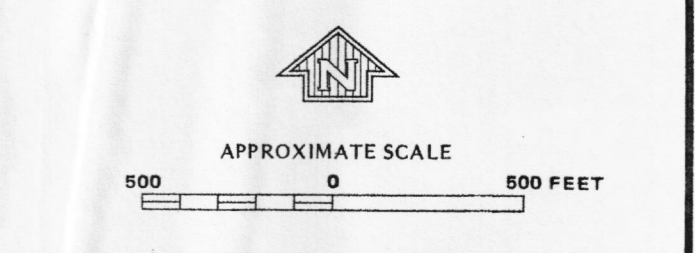
INITIAL IDENTIFICATION:
NOVEMBER 27, 1970

FLOOD HAZARD BOUNDARY MAP REVISIONS:

FLOOD INSURANCE RATE MAP EFFECTIVE:
JUNE 18, 1980

FLOOD INSURANCE RATE MAP REVISIONS:
Map revised September 30, 1982 to change flood boundaries and corporate limits.

To determine if flood insurance is available in this community, contact your insurance agent, or call the National Flood Insurance Program, at (800) 638-6620.



NATIONAL FLOOD INSURANCE PROGRAM

FIRM FLOOD INSURANCE RATE MAP

**CITY OF TAMPA, FLORIDA
HILLSBOROUGH COUNTY**

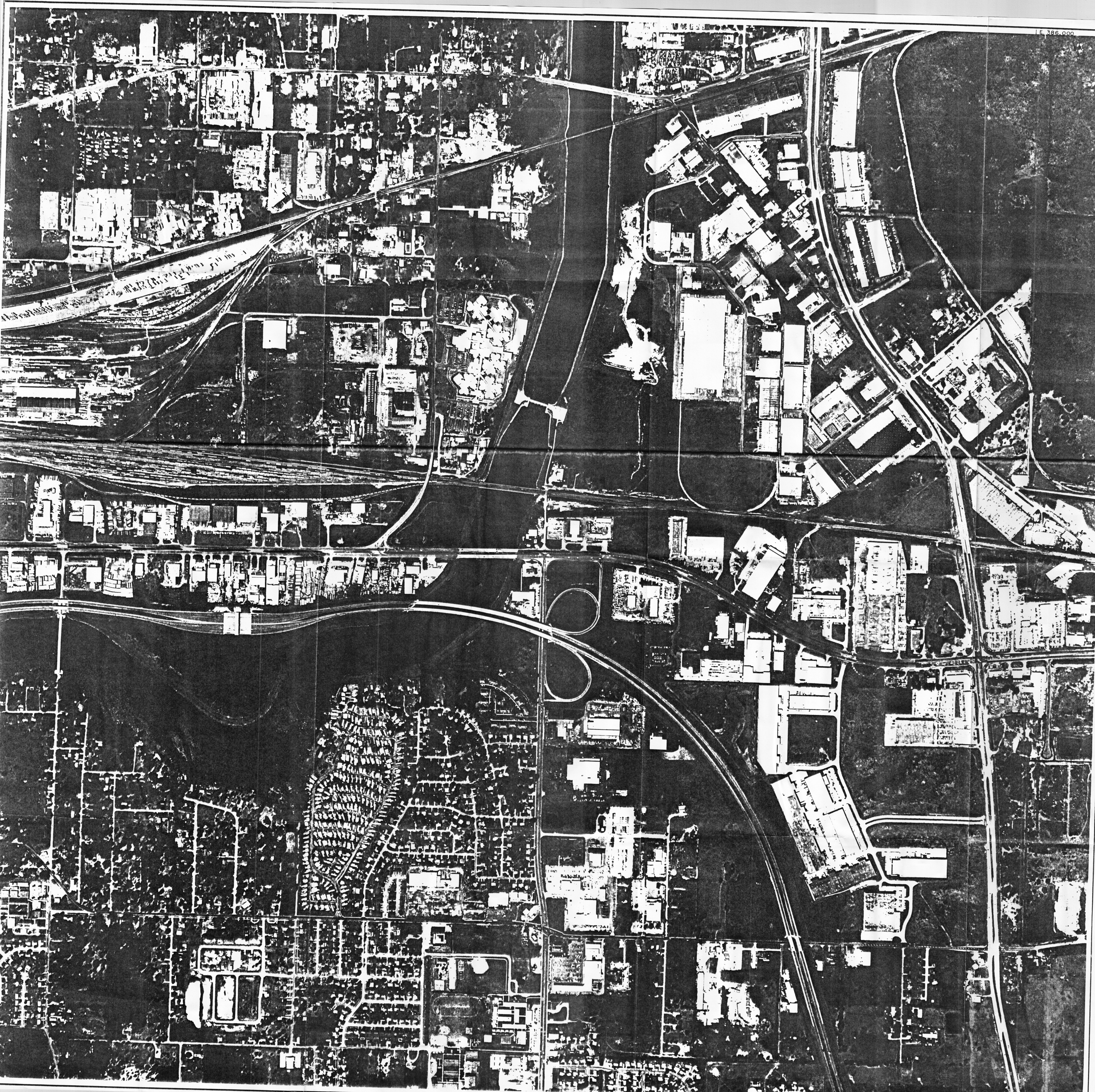
PANEL 27 OF 46
(SEE MAP INDEX FOR PANELS NOT PRINTED)

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DEC 30 1988
Department of Environment
BY SOUTHWEST DISTRICT

**COMMUNITY PANEL NUMBER
120114 0027 C**

**MAP REVISED:
SEPTEMBER 30, 1982**

10.6
Federal Emergency Management Agency



THE PLANNING COMMISSION

Hillsborough County
 City - County
 Planning Commission
 201 E. Kennedy, Suite 600
 Tampa, Florida 33601
 813/277-5940
 FAX 813/277-6258

A City-County Agency serving the cities of Tampa, Plant City, Temple Terrace and the County of Hillsborough.

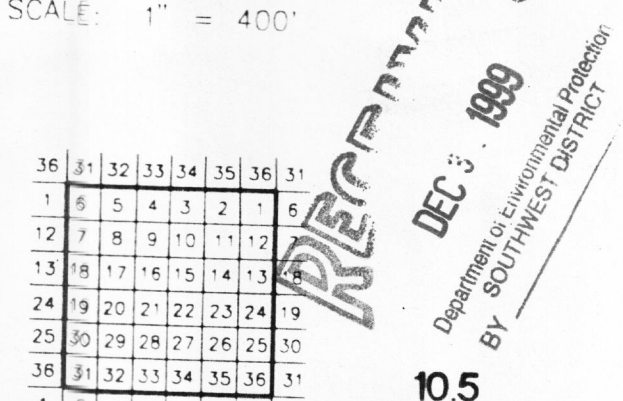
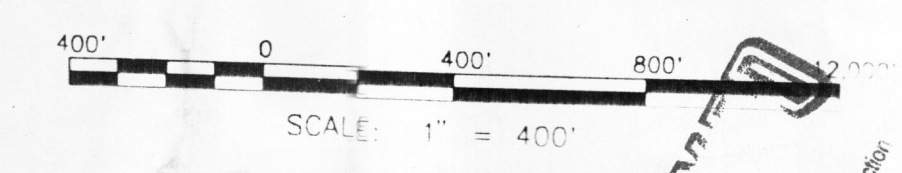
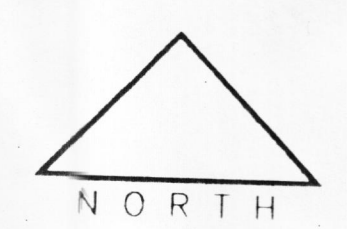
HILLSBOROUGH COUNTY FLORIDA

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STATE PLANE COORDINATE SYSTEM
 THE GRID MARKS SHOWN ARE BASED ON THE FLORIDA STATE PLANE COORDINATE SYSTEM WEST ZONE, 1983 ADJUST.

DATE OF PHOTOGRAPHY:
 COMPILED FROM
 PHOTOGRAMMETRIC
 METHODS BY:



10.5

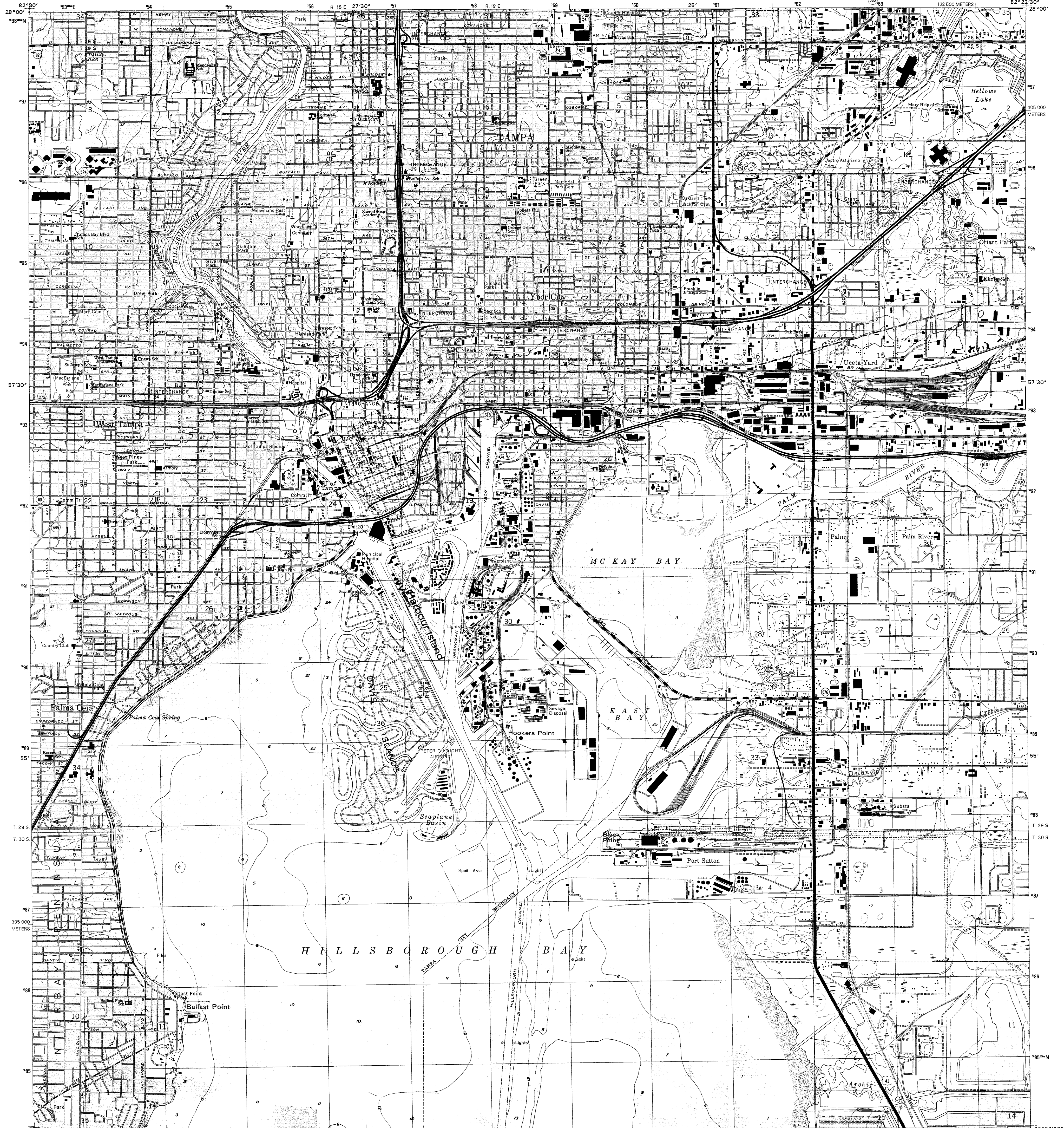
CITY ENVIRONMENTAL SERVICES OF FLORIDA, INC. 7202 EAST EIGHTH AVENUE TAMPA, FLORIDA 33619

SECTION	TOWNSHIP	RANGE
1413 2324	29	19

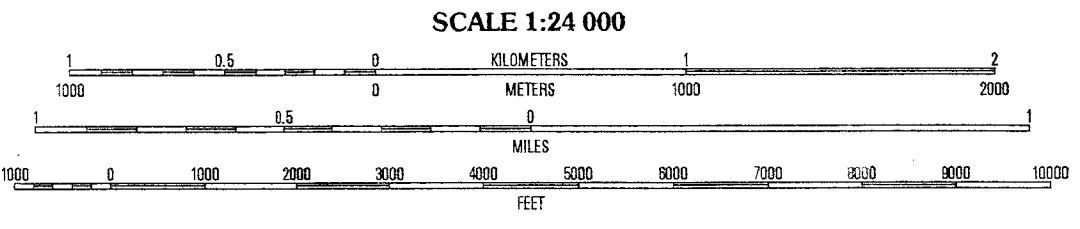
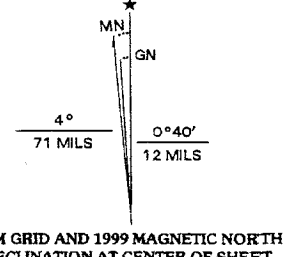


U.S. DEPARTMENT OF THE INTERIOR
U.S. GEOLOGICAL SURVEY

TAMPA QUADRANGLE
FLORIDA-HILLSBOROUGH CO.
7.5-MINUTE SERIES (TOPOGRAPHIC)



Produced by the United States Geological Survey
Topography compiled 1956. Planimetry derived from imagery, taken 1955 and other sources. Public Land Survey System and survey control current as of 1956.
Selected hydrographic data compiled from NOS Chart 587 (1952). This information is not intended for navigational purposes.
North American Datum of 1983 (NAD 83). Projection and 1,000-meter grid: Universal Transverse Mercator, zone 17, 2,500-meter ticks; Florida Coordinate System of 1983 (west zone).
North American Datum of 1927 (NAD 27) is shown by dashed corner ticks. The values of the shift between NAD 83 and NAD 27 for 7.5-minute intersections are obtainable from National Geodetic Survey NADCON software.
There may be private inholdings within the boundaries of the National or State reservations shown on this map.
Landmark buildings verified 1956.



CONTOUR INTERVAL 5 FEET
NATIONAL GEODETIC VERICAL DATUM OF 1929
TO CONVERT FROM FEET TO METERS, MULTIPLY BY 0.3048
DEPTH CURVES AND SOUNDINGS IN FEET. DATUM IS MEAN LOWER LOW WATER
THE RELATIONSHIP BETWEEN THE TWO DATUMS IS VARIABLE
THE MEAN RANGE OF TIDE IS APPROXIMATELY 2 FEET

RECEIVED
DEC 3 0 1999
Department of Environmental Regulation
BY 8014/MS/ST/MS/ST/MS/ST
QUADRANGLE LOCATION

ROAD CLASSIFICATION

Primary highway	Light-duty road, hard or hard surface
Secondary highway	Unimproved surface
Hard surface	Unimproved road
Interstate Route	U.S. Route
	State Route

102
TAMPA, FL
1995
NIMA 4539 IV NW-SERIES 847

CITY ENVIRONMENTAL SERVICES OF FLORIDA, INC.
7202 EAST EIGHTH AVENUE
TAMPA, FLORIDA 33619

FOR SALE BY U.S. GEOLOGICAL SURVEY, P.O. BOX 25286, DENVER, COLORADO 80225
A FOLDER DESCRIBING TOPOGRAPHIC MAPS AND SYMBOLS IS AVAILABLE ON REQUEST

ADJOINING 7.5' QUADRANGLE NAMES

