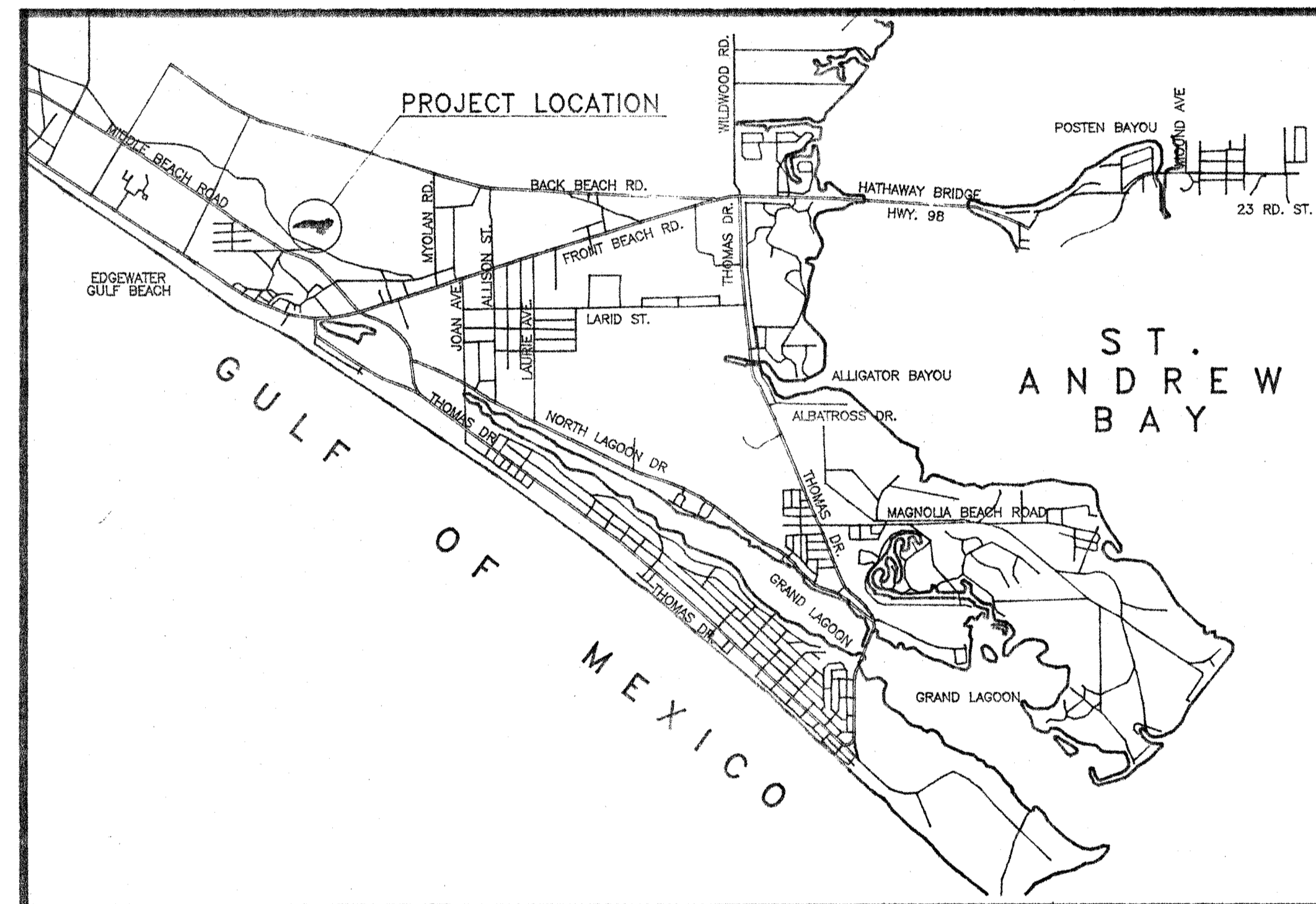


GLADES II BAY COUNTY, FLORIDA

PREPARED FOR:
TOWN AND COUNTRY RESIDENCES, INC.
PANAMA CITY, FLORIDA

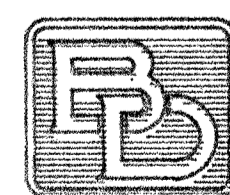


VICINITY MAP

PLAN INDEX

SHEET NO.	SHEET DESCRIPTION
1	COVER SHEET
2	SITE PLAN & DRAINAGE PLAN
3	WATER DISTRIBUTION PLAN
4	SANITARY SEWER PLAN & PROFILE
5	DRAINAGE & SANITARY SEWER DETAILS
6	EROSION CONTROL DETAILS

PREPARED BY:



**BASKERVILLE-
DONOVAN, INC.**

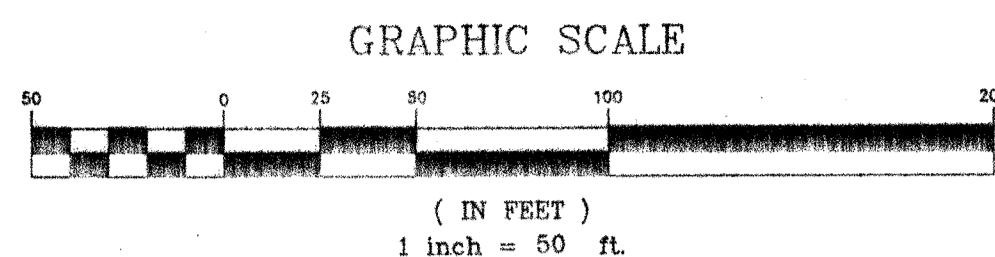
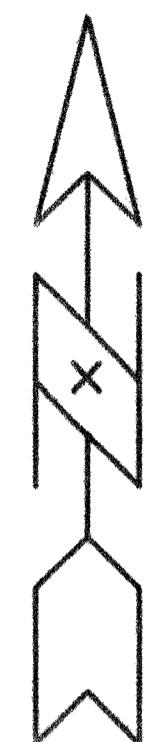
110 EAST FIFTH STREET
PANAMA CITY, FLORIDA

PROJECT NUMBER 89802.01
NOVEMBER 1995

[Signature]
11/22/95

THE GLADES II / PROJECT NO. 89802.01

16b



NOTE:
-- DENOTES FLOW DIRECTION

MAN HOLE
TOP ELEV. 20.68
INV. ELEV. 13.46

MAN HOLE
TOP ELEV. 20.43
INV. SW ELEV. 10.03
INV. NE ELEV. 10.21

STORM INLET
TOP ELEV. 20.21

MAN HOLE
TOP ELEV. 20.27
INV. SW ELEV. 10.03
INV. NE ELEV. 10.21

P.O.B.

LIFT STATION
TOP ELEV. 17.20
INV. SE ELEV. 0.58
INV. SW ELEV. 0.56
INV. NE ELEV. 0.70

MAN HOLE
TOP ELEV. 17.29

MAN HOLE
TOP ELEV. 16.63

GULF BEACH BAPTIST CHURCH, INC.
PROPERTY OWNER

NOTE: JURISDICTIONAL LINE LOCATION PER FLAGGING PLACED BY GARLICK ENVIRONMENTAL ASSOCIATES
AND LOCATED BY BRUNER MONGOVEN SURVEYORS, JOB # 65-11-94.

Bar is one inch on original drawing 0 1" if not, adjust scale accordingly.
This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in
whole or in part. It is not to be used on any other project and it is to be returned upon request.

NO.	DATE	APPR.	REVISION

BASKERVILLE-DONOVAN, INC.

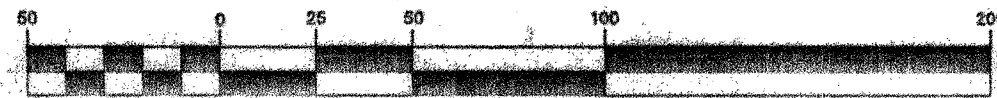
SCALE 1"=50'
DESIGNED JLS
DRAWN JLS/JAP
CHECKED JLS
DATE NOV. 95
BY
NOT RELEASED FOR CONSTRUCTION

GLADES II
SITE PLAN & DRAINAGE PLAN
FOR TOWN & COUNTRY RESIDENCES, INC.
PANAMA CITY BEACH, FLORIDA

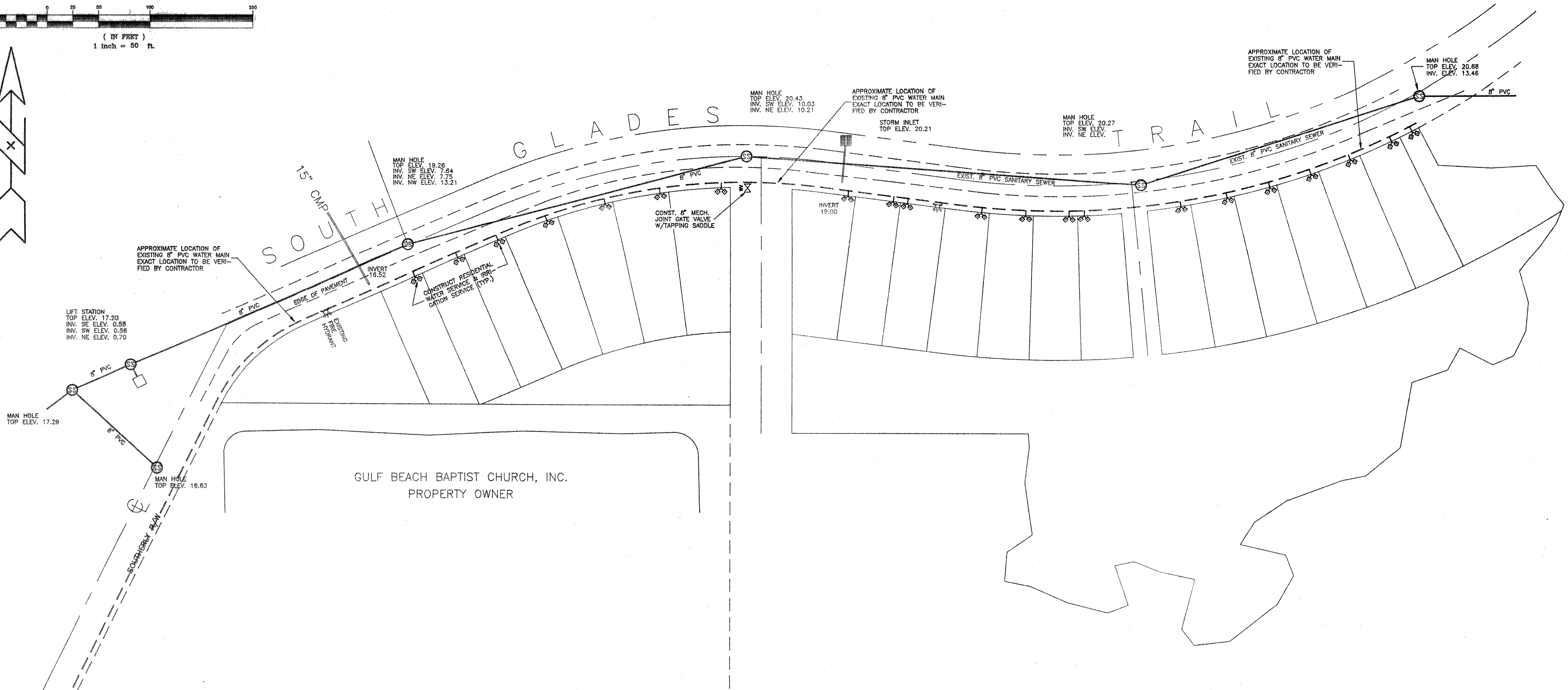
PROJECT NO.	NO. 2
89802.01	OF 6
INDEX C2	SHT.

Signature
11/20/95

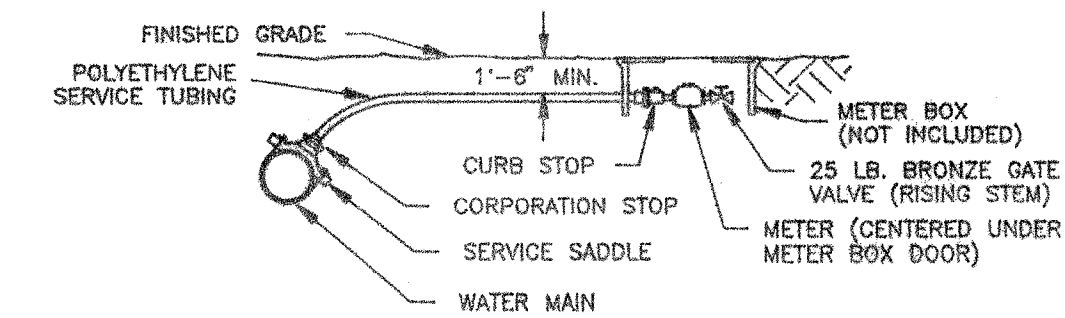
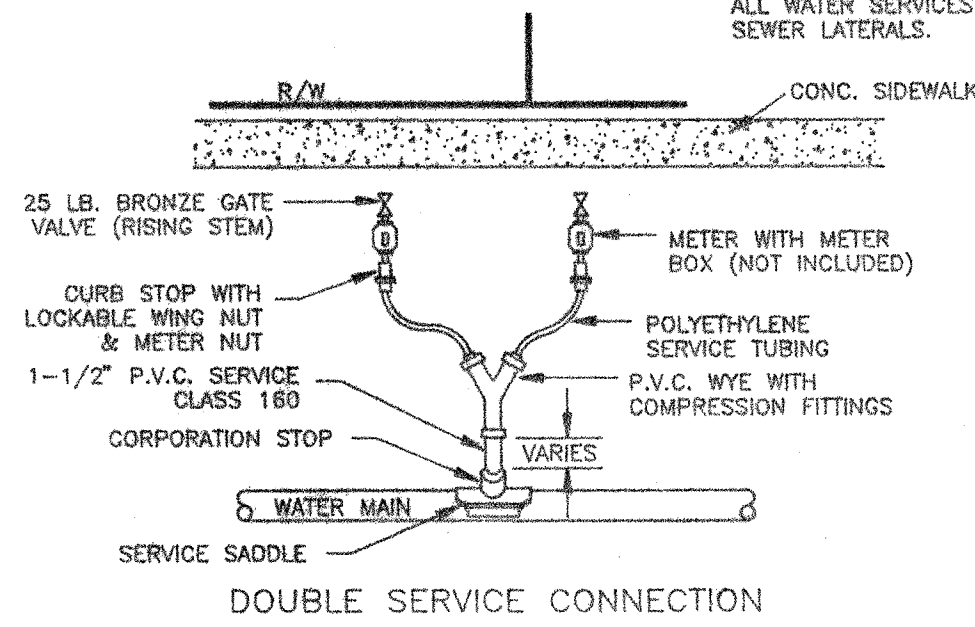
GRAPHIC SCALE



(IN FEET)
1 inch = 50 ft.

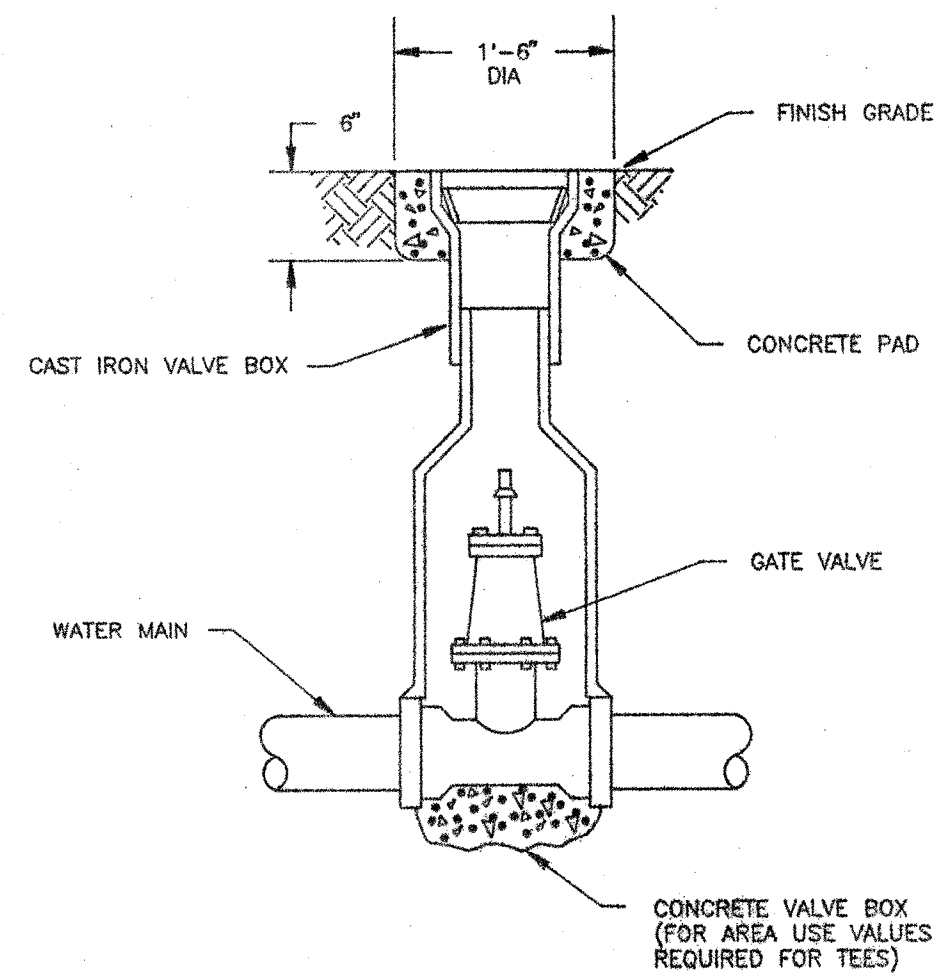


NOTE: WATER SERVICES TO BE STAKED IN THE FIELD AND CURB MARK ALL WATER SERVICES & SAN. SEWER LATERALS.



WATER SERVICE DETAILS
NOT TO SCALE

NOTE: WHEN FACING PROPERTY LINE FROM STREET RIGHT SERVICE SHALL BE FOR IRRIGATION SERVICE. LEFT SERVICE SHALL BE FOR RESIDENCE



VALVE BOX SETTING
NOT TO SCALE

1" if not, subject made accordingly. This drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.

REVISION

NO.	DATE	APPR.

BASKERVILLE-DONOVAN, INC.

SCALE 1"=50'

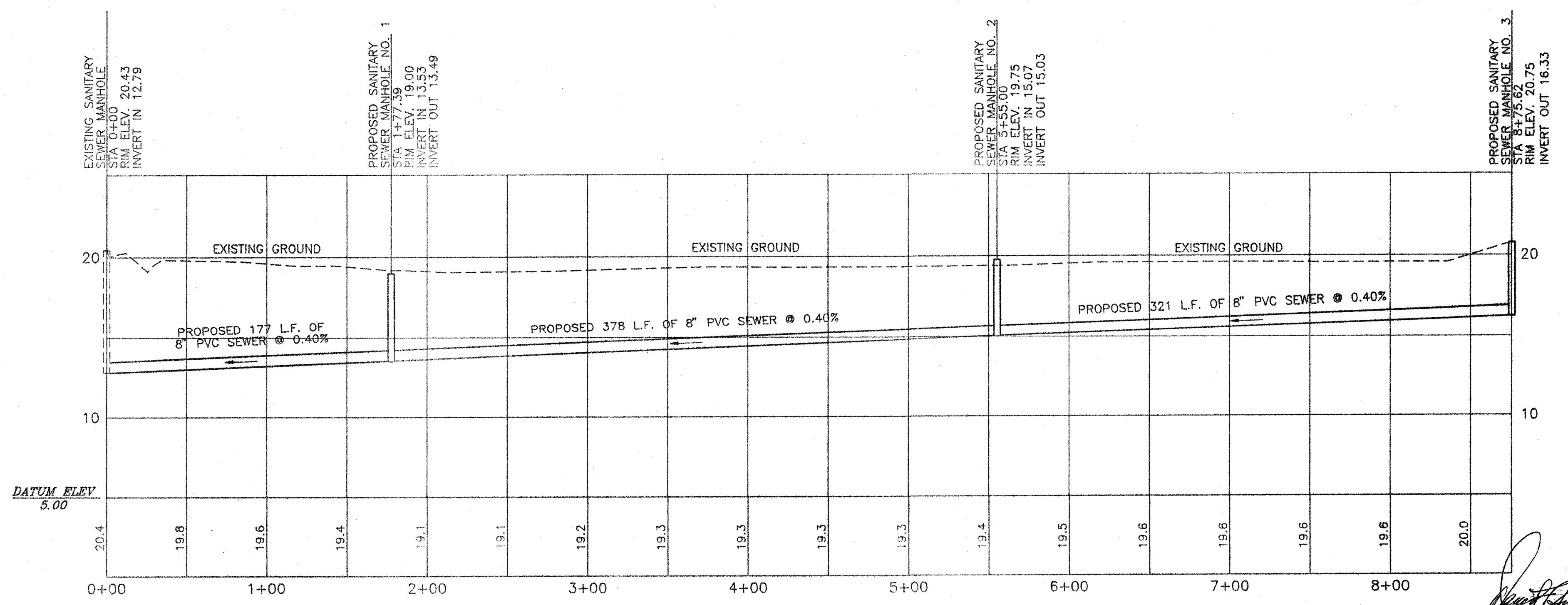
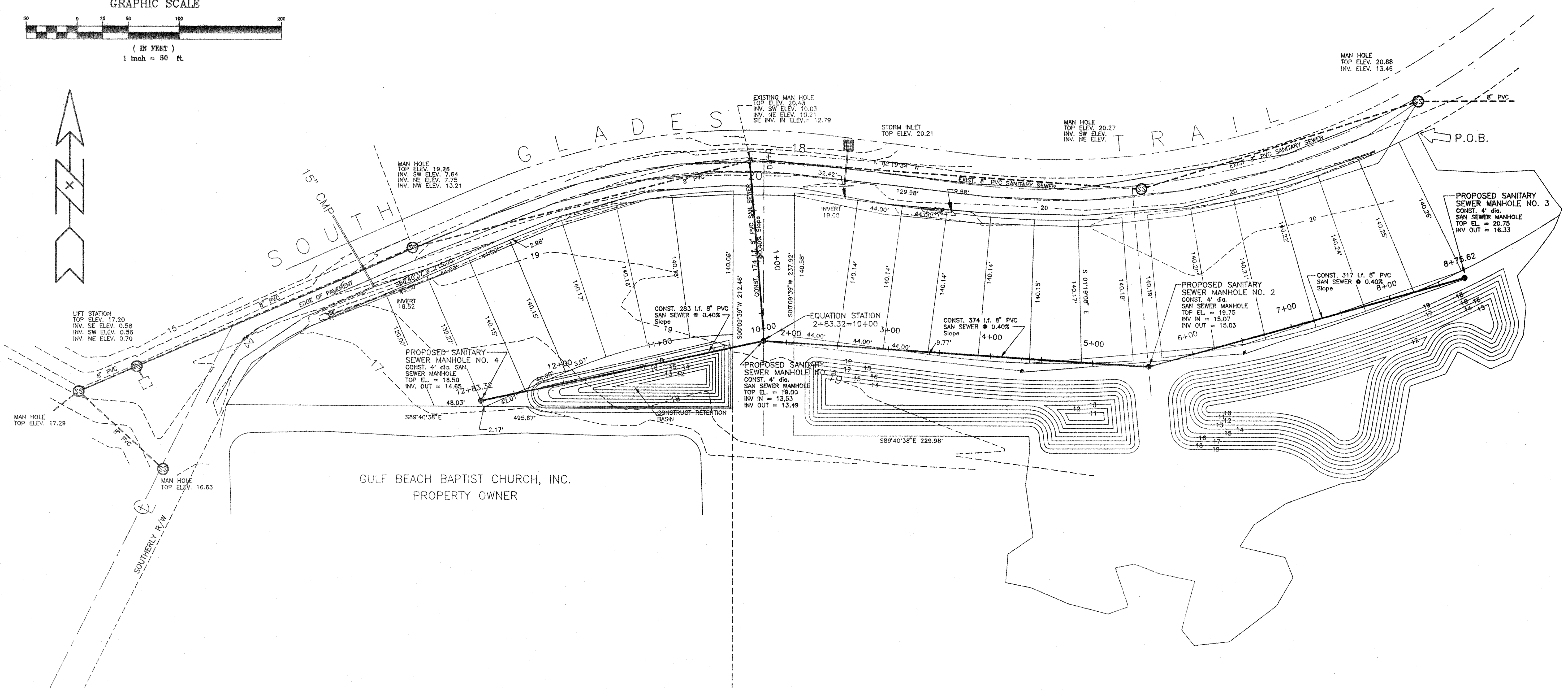
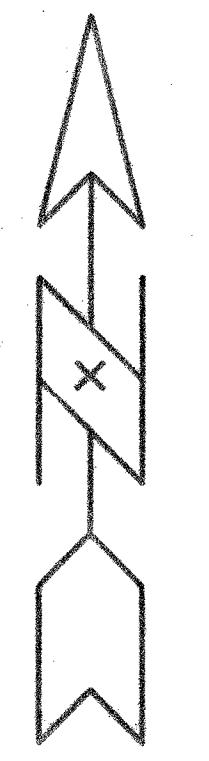
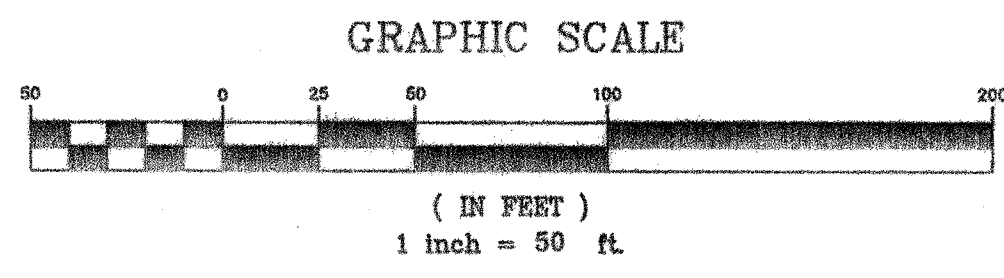
DESIGNED JLS
DRAWN JAP
CHECKED JLS
DATE NOV. 95

NOT RELEASED FOR CONSTRUCTION BY DATE

GLADES II
WATER DISTRIBUTION PLAN
FOR TOWN & COUNTRY RESIDENCES, INC.
PANAMA CITY BEACH, FLORIDA

PROJECT NO.	No. 3
89802.01	of 6
INDEX C3	SHT.

David G. Gentry
11/28/95



Be in one inch on original drawing 0 scale. If not, adjust scale accordingly. This drawing is the property of BASKERVILLE-DONOVAN, INC. and shall not be used on any other project and is to be returned upon request. Whole or in part.

NO.	DATE	APPR.

BASKERVILLE-DONOVAN, INC.

SCALE 1"=50'

DESIGNED	JLS	DRAWN	JAP	CHECKED	JAP	DATE	NOV. 95
NOT RELEASED FOR CONSTRUCTION							BY DATE

GLADES II

SANITARY SEWER PLAN AND PROFILE

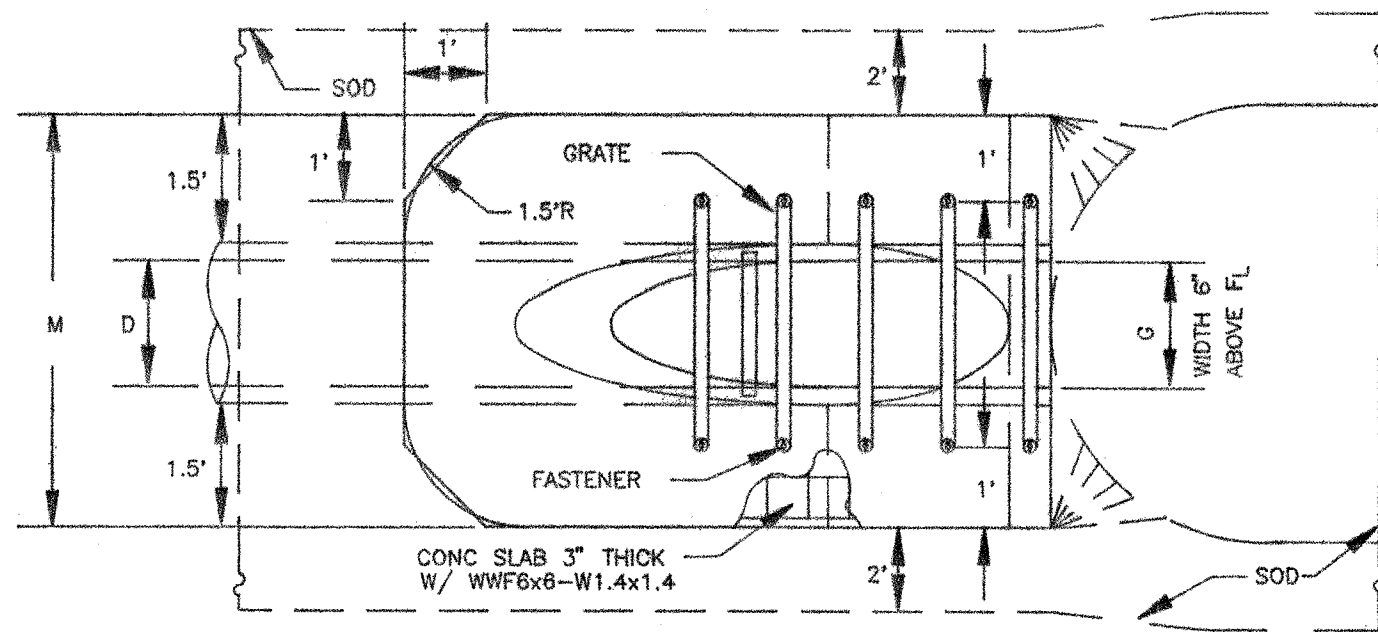
FOR TOWN & COUNTRY RESIDENCES, INC.

PANAMA CITY BEACH, FLORIDA

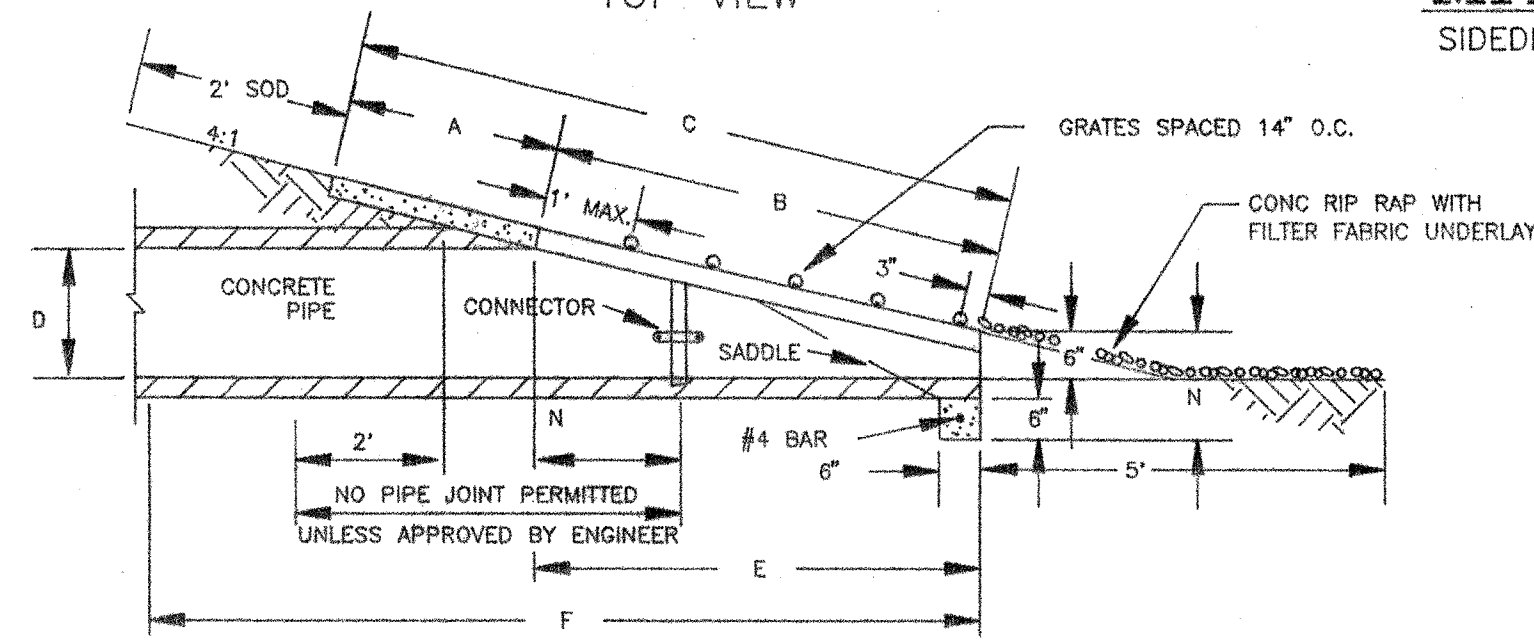
PROJECT NO. 89802.01 OF 6

INDEX C4 SH. 4

11/20/95



TOP VIEW

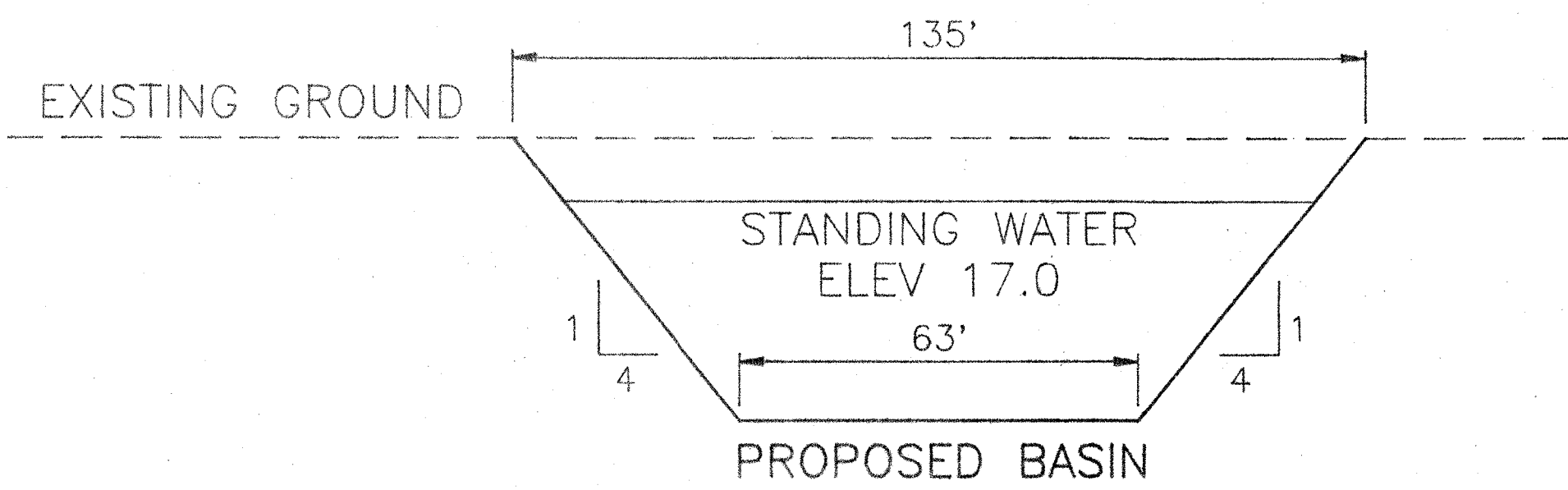


SECTION VIEW
MITERED END SECTION
NOT TO SCALE

D	X	A	B	C	E	F	G	M
15"	2'-7"	2.27'	4.09'	6.63'	4.03'	8'	1.22'	4.63'
18"	2'-10"	2.36'	5.12'	7.48'	5.03'	9'	1.41'	4.92'
24"	3'-5"	2.53'	7.18'	9.71'	7.03'	11'	1.73'	5.50'
30"	4'-3"	2.70'	9.25'	11.95'	9.03'	13'	2.00'	6.08'
36"	5'-1"	2.87'	11.31'	14.18'	11.03'	15'	2.24'	6.67'
42"	6'-0"	3.05'	13.07'	16.42'	13.03'	17'	2.45'	7.25'
48"	6'-9"	3.22'	15.43'	18.65'	15.03'	19'	2.65'	7.83'
54"	7'-8"	3.39'	17.49'	20.88'	17.03'	21'	2.83'	8.42'
60"	8'-6"	3.56'	19.55'	23.11'	19.03'	23'	3.00'	9.00'

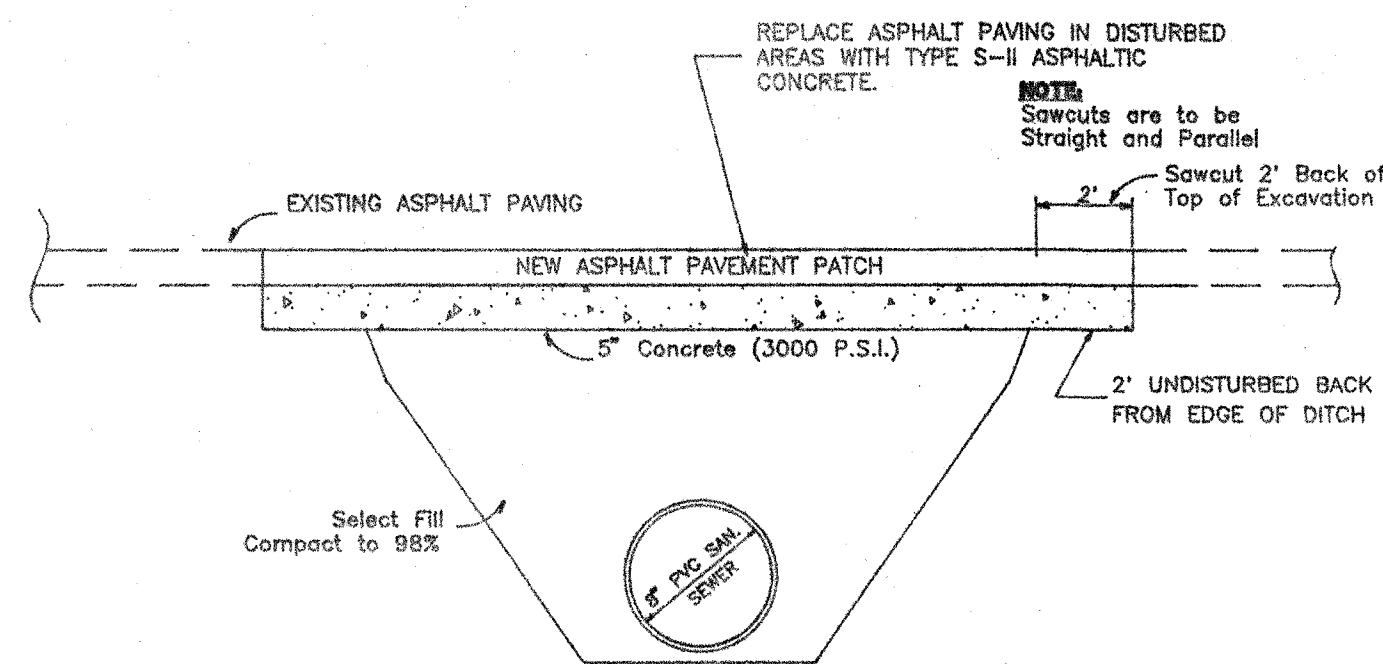
MITERED END SECTION DIMENSIONS

SIDEDRAIN MES SINGLE ROUND CONCRETE PIPE FDOT INDEX # 273 SHT. 1 OF 6



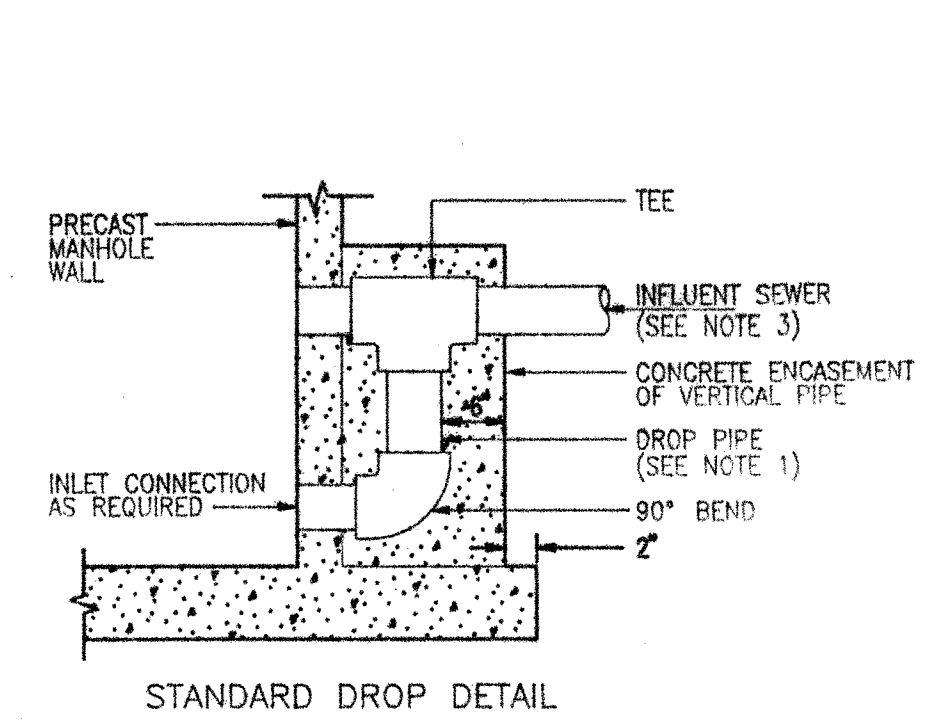
RETENTION BASIN DETAIL
SECTION A-A
SCALE: HOR.: 1"=50'
VER.: 1"=5'

DRAINAGE DETAILS

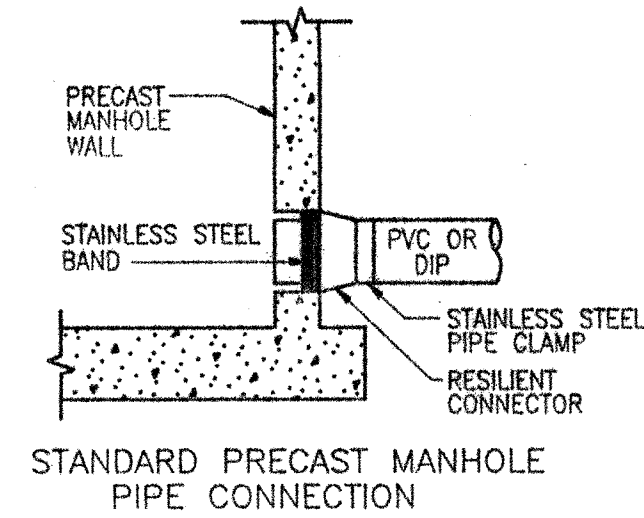


CUT & PATCH DETAIL
NO SCALE

PAVING DETAILS



STANDARD DROP DETAIL

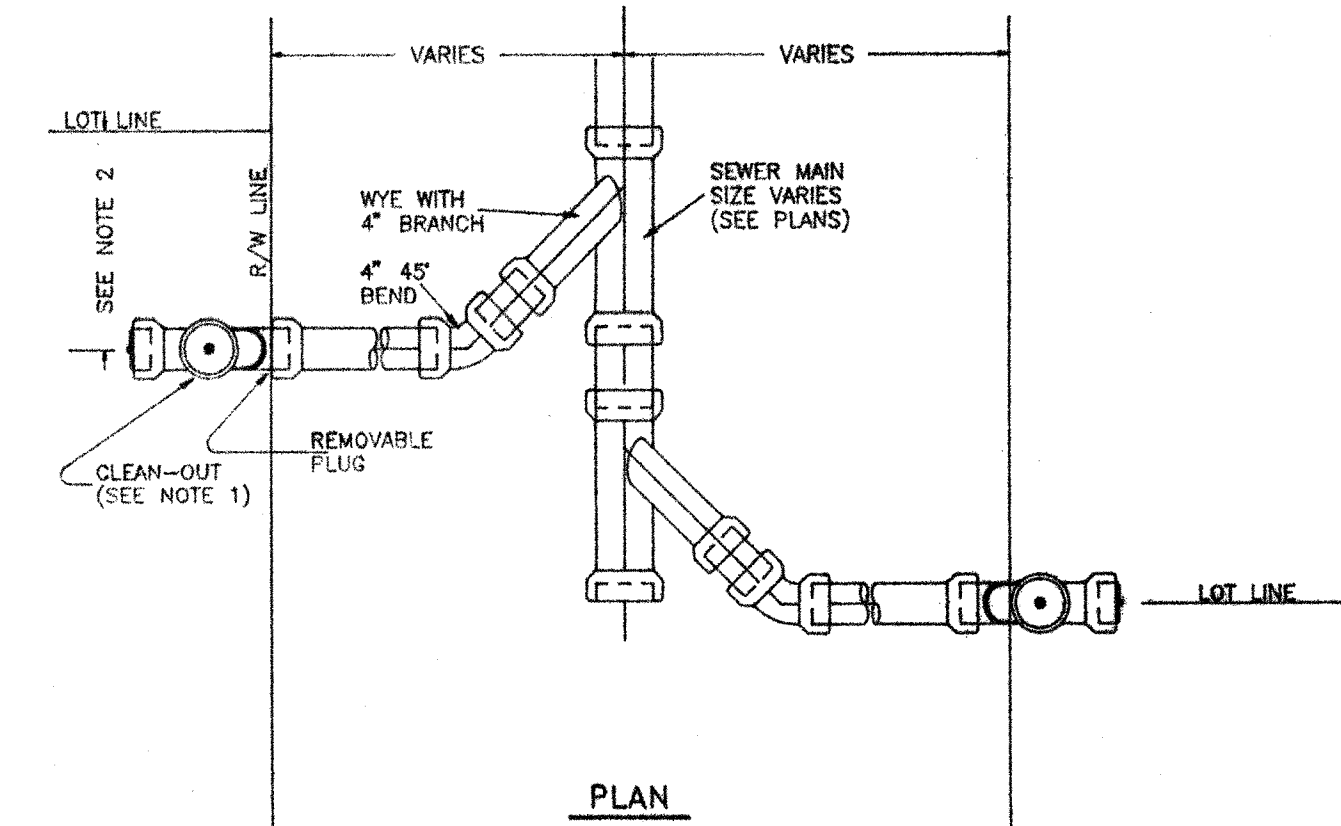


STANDARD PRECAST MANHOLE
PIPE CONNECTION

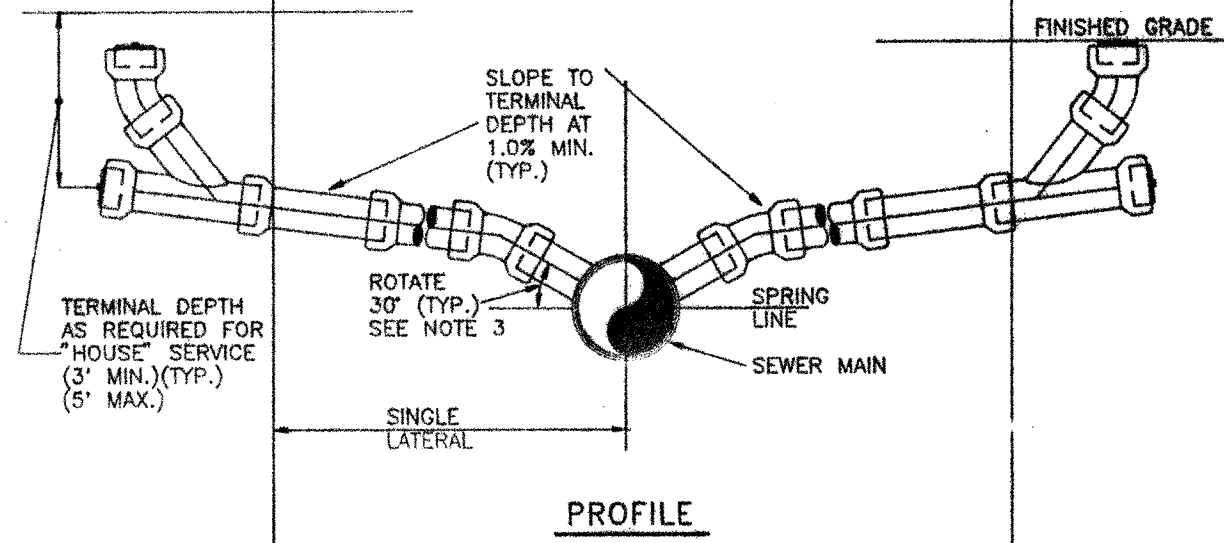
- NOTES:
- DROP PIPE AND FITTINGS SHALL BE OF EQUAL SIZE AND MATERIAL AS THE INFLUENT SEWER.
 - THE COUNTY MAY APPROVE ALTERNATE WATER TIGHT CONNECTION DETAILS FOR CONNECTION OF 24" DIAMETER PIPES AND LARGER.
 - AN OUTSIDE DROP CONNECTION SHALL BE REQUIRED FOR ALL INFLUENT WHICH HAVE AN INVERT 2' OR MORE ABOVE THE MANHOLE INVERT.

MANHOLE CONNECTION DETAILS

NOT TO SCALE



PLAN

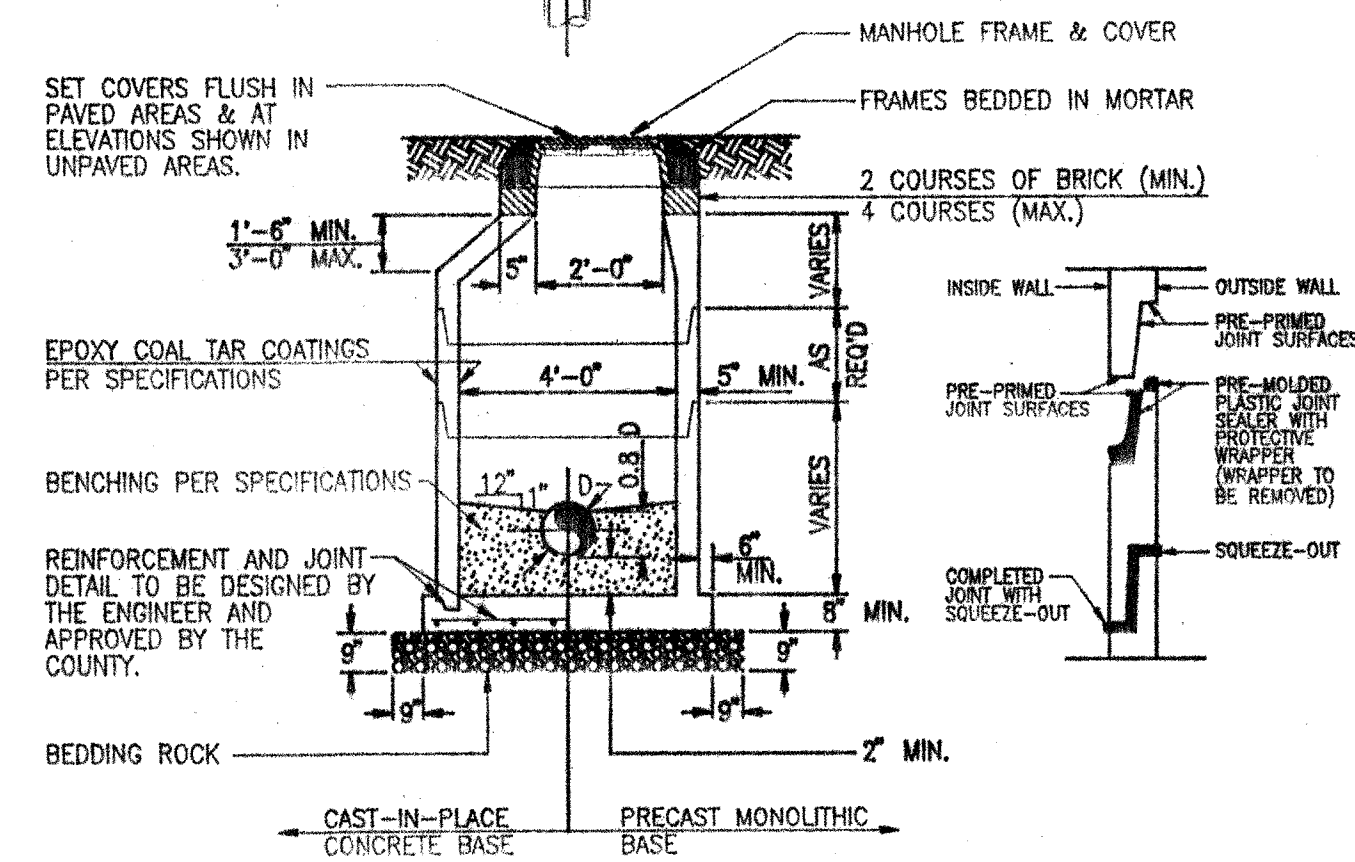
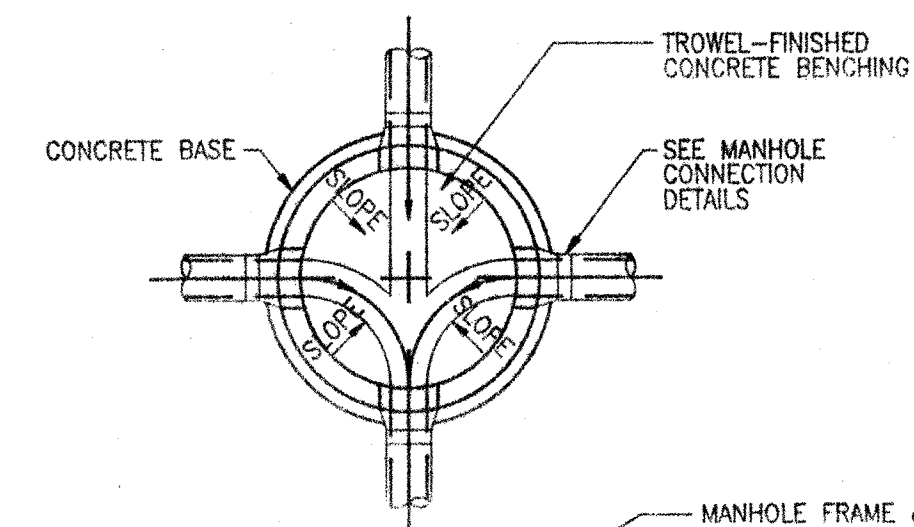


PROFILE

- NOTES:
- CLEAN-OUT SHALL BE INSTALLED BY THE BUILDER IN ACCORDANCE WITH STANDARD PLUMBING CODE.
 - LOCATE SINGLE LATERAL AS CLOSE TO LOT LINE AS POSSIBLE, 25' MAXIMUM.
 - INVERT OF SERVICE LATERAL SHALL NOT ENTER SEWER MAIN BELOW SPRING LINE.

SERVICE LATERAL DETAIL

NOT TO SCALE



PRECAST CONCRETE MANHOLE
PLAN AND SECTION
NOT TO SCALE

- NOTES:
- MANHOLE SHOWN IS FOR SEWER SIZE 8" THRU 24"
 - DROP CONNECTIONS ARE REQUIRED WHENEVER INVERT OF INFLUENT SEWER IS 24" OR MORE ABOVE THE INVERT OF THE MANHOLE. SEE MANHOLE CONNECTION DETAILS.
 - APPROVED CONCENTRIC CONE DESIGN MAY BE USED AS AN ALTERNATIVE.

SANITARY SEWER DETAILS

Not to scale with adjacent drawings. If scale conflict, scale according to this drawing is the property of BASKERVILLE-DONOVAN, INC. and is not to be reproduced in whole or in part. It is not to be used on any other project and is to be returned upon request.

REVISION		NO.	DATE	APPR.

BASKERVILLE-DONOVAN, INC.

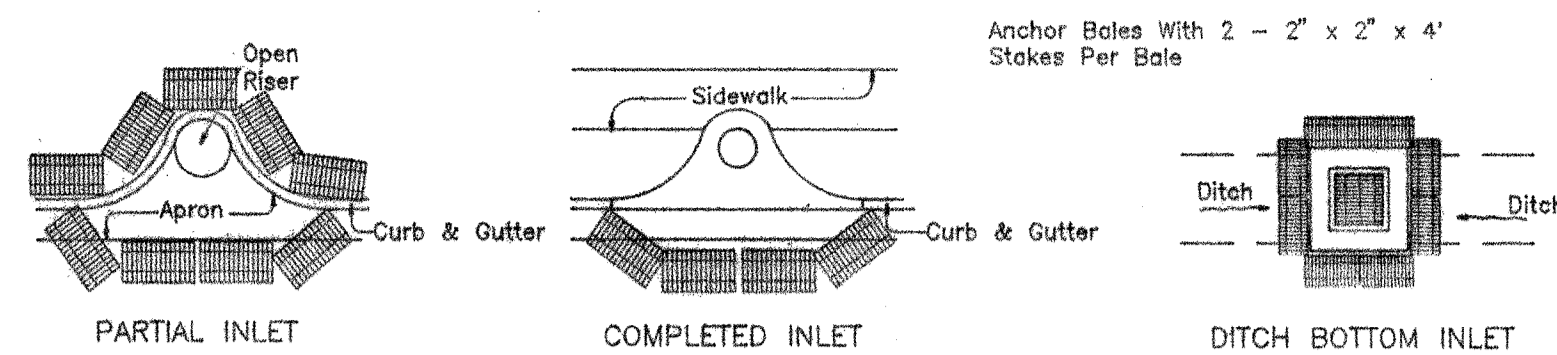
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NOT RELEASED FOR CONSTRUCTION BY DATE

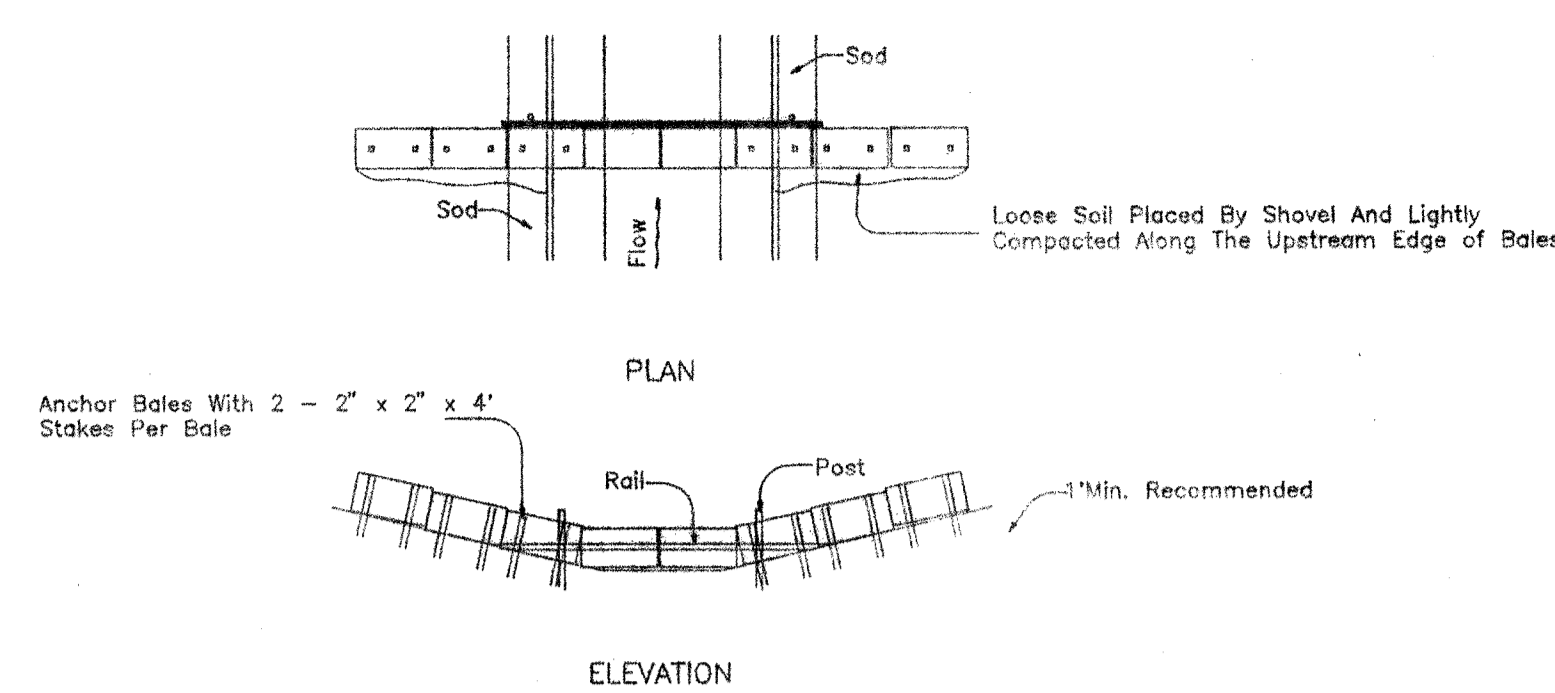
GLADES II
 DRAINAGE & SANITARY SEWER DETAILS
 FOR TOWN & COUNTRY RESIDENCE, INC.
 PANAMA CITY BEACH, FLORIDA

PROJECT NO.	NO. 5
8980101	OF 6
INDEX C5	SHT.

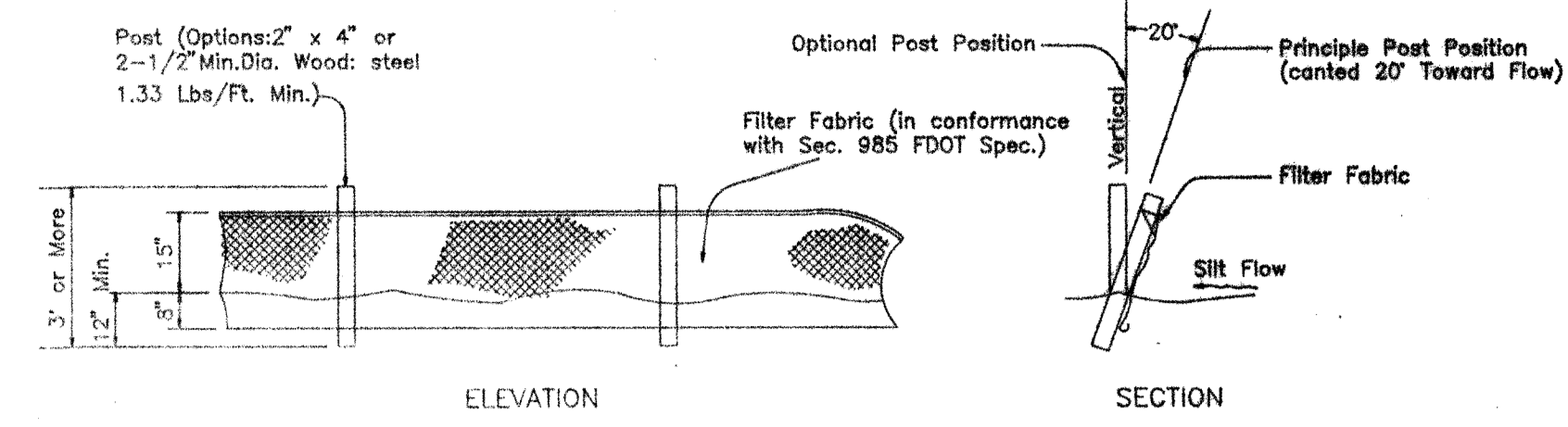
11/6/95



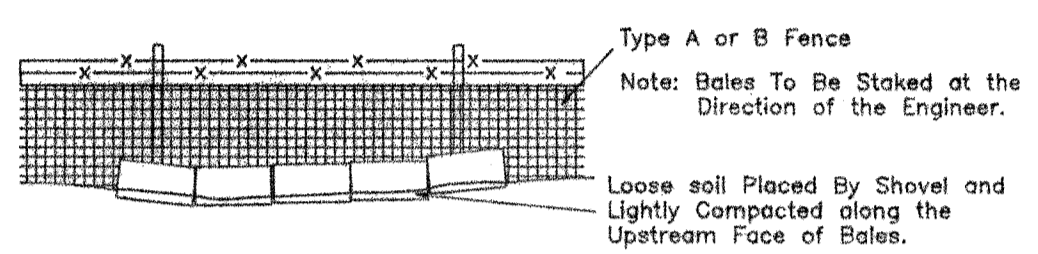
PROTECTION AROUND INLETS OR SIMILAR STRUCTURES



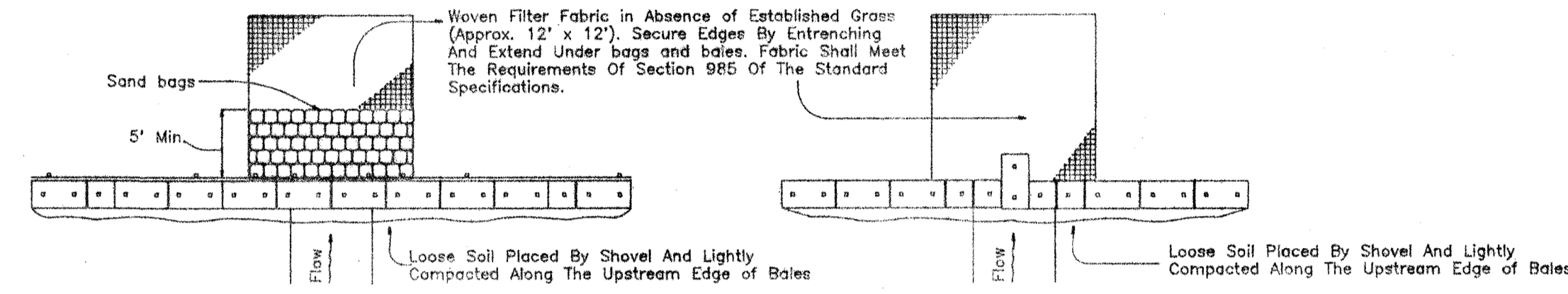
BARRIER FOR PAVED DITCH



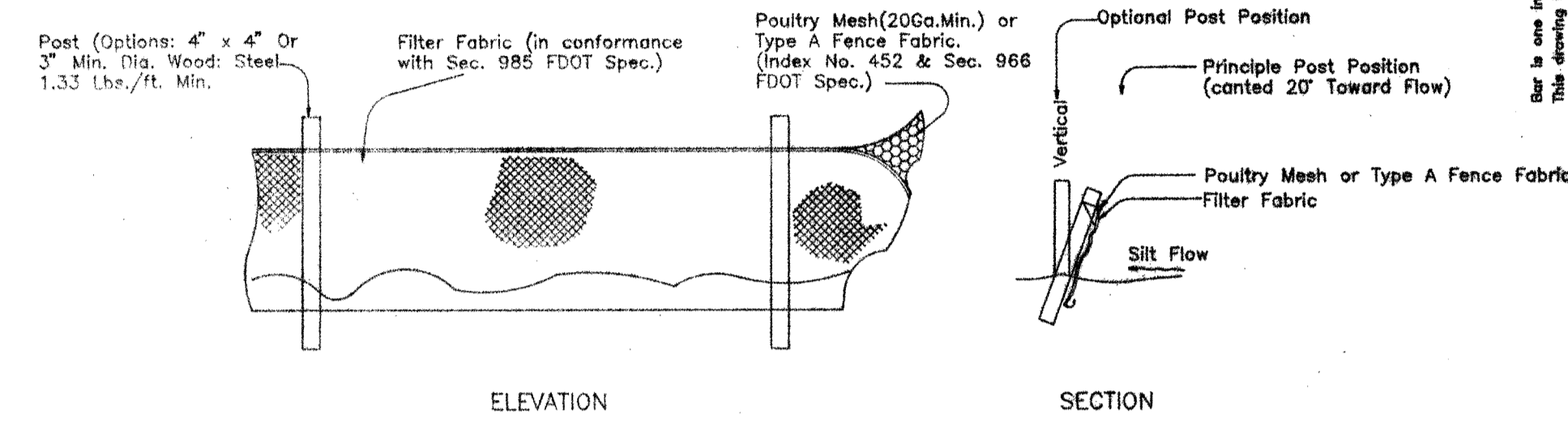
TYPE III SILT FENCE



BALES BACKED BY FENCE

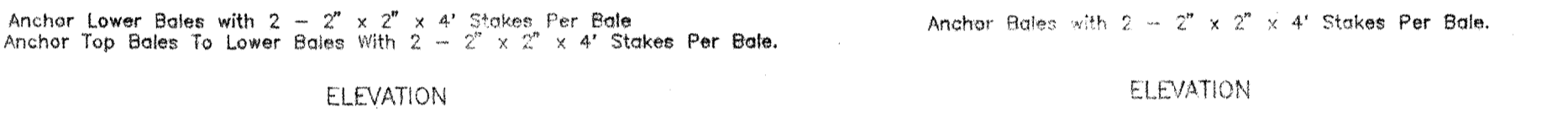
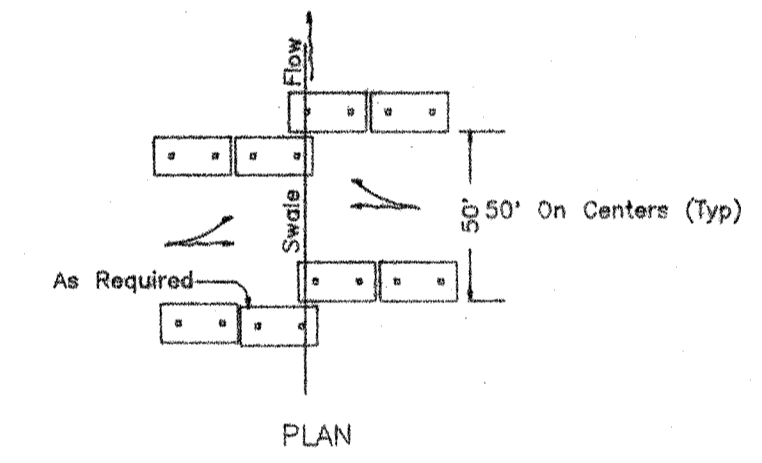


BARRIER FOR UNPAVED DITCHES



TYPE IV SILT FENCE

SILT FENCE APPLICATIONS
Do Not Deploy in a manner that silt fences will act as a dam across permanent flowing watercourses. Silt fences are to be used at upland locations and turbidity barriers used at permanent bodies of water. Note Spacing for Type III and Type IV Fences to be in accordance with chart 1, Sheet 1 of 3 and ditch installations at drainage structures sheet 2 of 3.



Application and Spacing: The use of Types I & II bale barriers should be limited to the conditions outlined in Chart 1, Sheet 1 of 3 Index No. 102

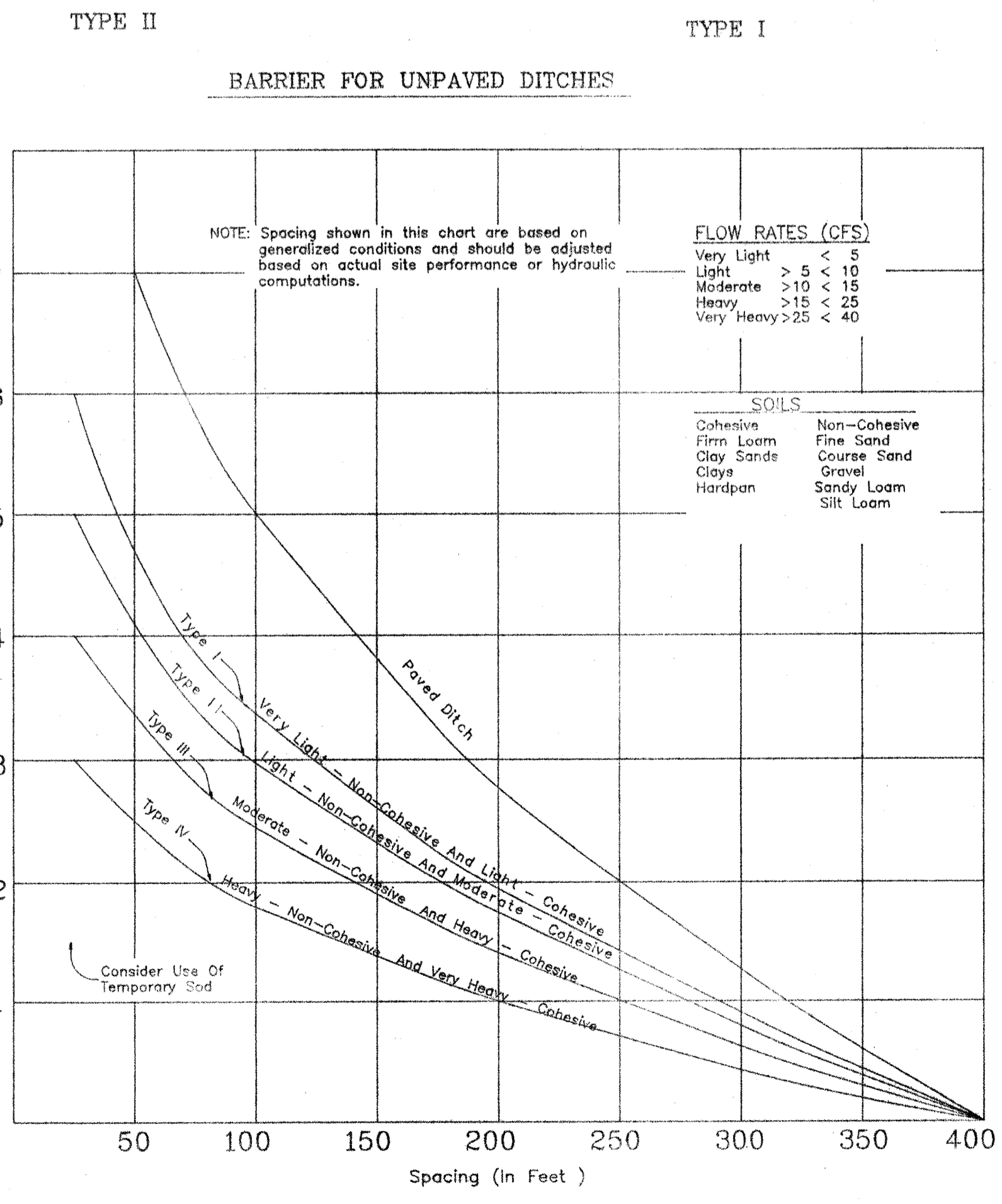
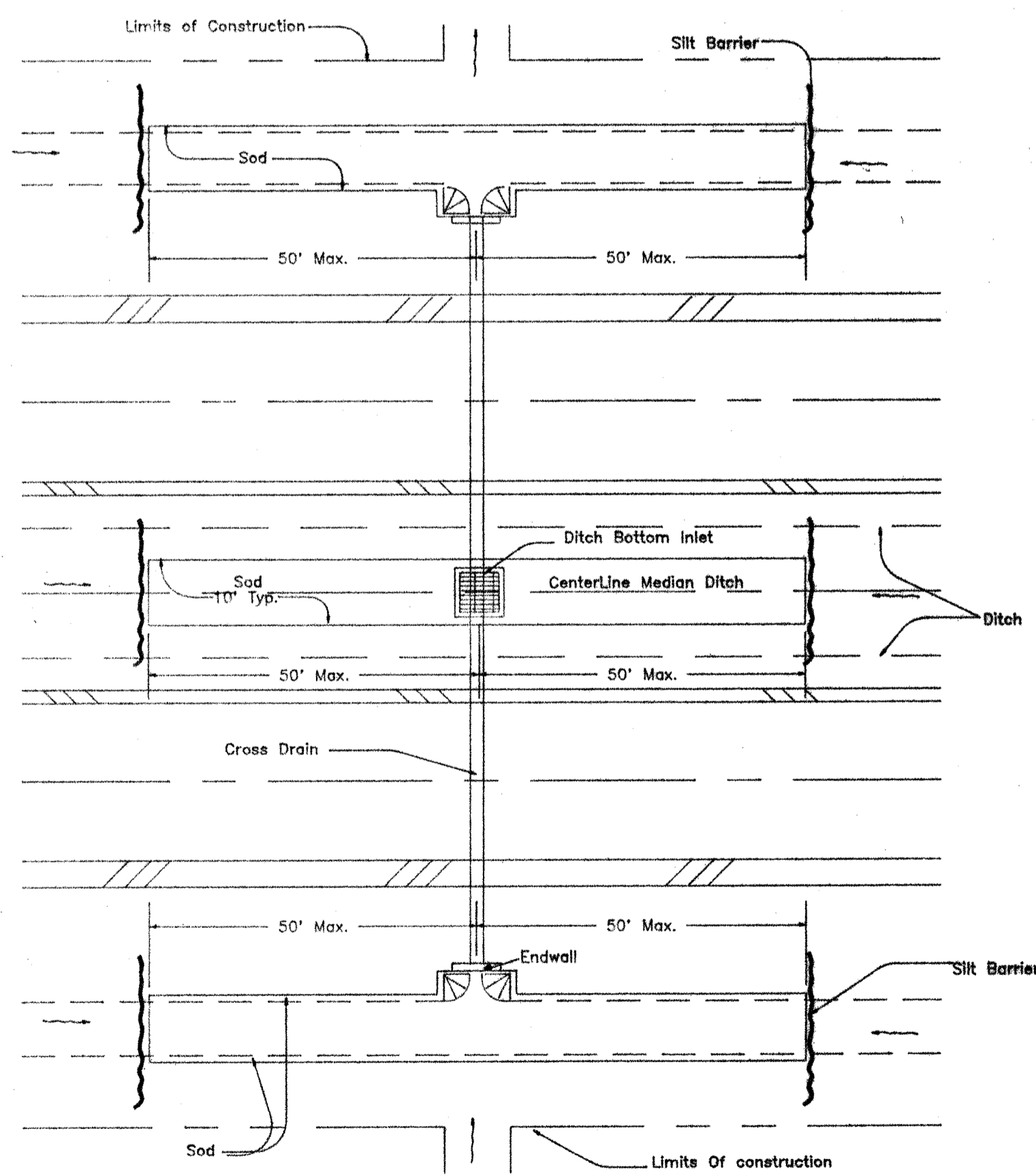


CHART 1

RECOMMENDED SPACING FOR TYPE I AND TYPE II HAY BALE BARRIERS, TYPE III AND TYPE IV SILT FENCES AND PAVED DITCH HAY BALE BARRIERS.



DITCH INSTALLATIONS AT DRAINAGE STRUCTURES

NOTE: Baled Hay or Straw Barriers and Silt Fences Details Taken From FL. D.O.T., ROADWAY AND TRAFFIC DESIGN STANDARDS DATED JANUARY 1991. INDEX NO. 102, SHT. 1, 2, & 3 OF 3.

W. J. O'Neil
11/18/95

<p>BASKERVILLE-DONOVAN, INC.</p>	
<p>SCALE: NONE</p>	<p>DESIGNED: JAP</p>
<p>DRAWN: JAP</p>	<p>CHECKED: JAP</p>
<p>DATE: NOV. 95</p>	<p>BY: JAP</p>
<p>NOT RELEASED FOR CONSTRUCTION DATE</p>	
<p>PROJECT NO. No. 6</p>	
<p>89802.01</p>	<p>of 6</p>
<p>INDEX C6</p>	<p>SHT.</p>

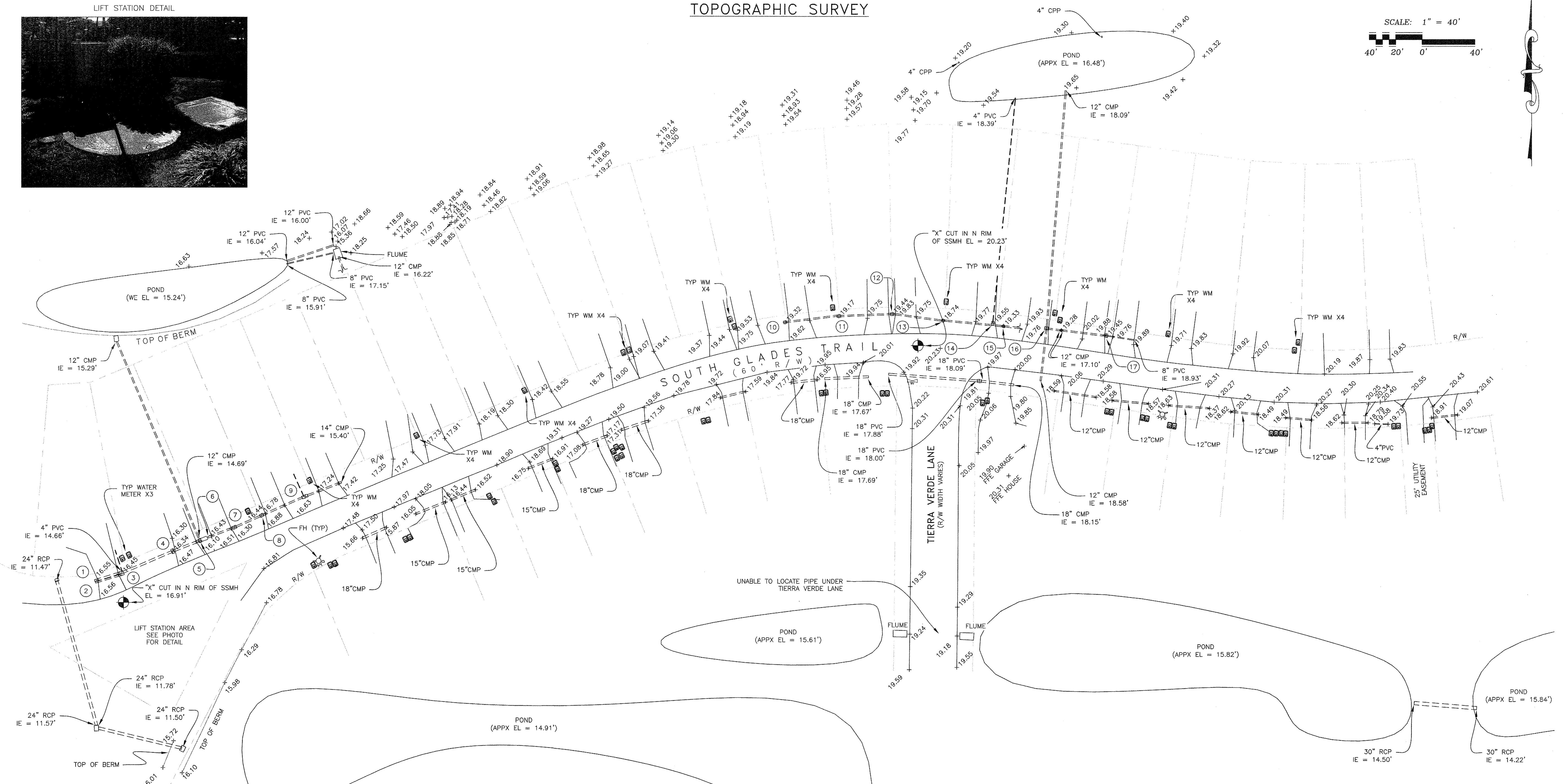
GLADES II
EROSION CONTROL DETAILS
FOR TOWN & COUNTRY RESIDENCE, INC.
PANAMA CITY BEACH, FLORIDA

LIFT STATION DETAIL



TOPOGRAPHIC SURVEY

SCALE: 1" = 40'
40' 20' 0' 40'



PIPE SIZE/TYPE	INV. EL.	PIPE SIZE/TYPE	INV. EL.
① 18" CMP	14.48'	⑩ E 12" PVC	18.36'
② 12" CMP	14.53'	⑪ W 12" PVC	17.93'
③ SW 18" CMP	14.58'	E 12" PVC	18.03'
SW 12" CMP	14.51'	⑫ W 12" PVC	17.89'
NE 18" CMP	14.18'	E 12" PVC	17.99'
④ SW 18" CMP	14.46'	⑬ NW 12" PVC	17.49'
NE 18" CMP	14.55'	E 12" PVC	17.53'
⑤ SW 18" CMP	14.67'	⑭ N 4" PVC	18.28'
⑥ 14" CMP	14.84'	⑮ W 12" PVC	17.43'
⑦ SW 14" CMP	14.94'	E 12" CMP	17.42'
⑧ SW 14" CMP	15.01'	⑯ S 12" CMP	18.44'
NE 14" CMP	15.06'	E 12" CMP	16.95'
⑨ SW 14" CMP	15.31'	N 12" CMP	18.38'
N 4" PVC	15.66'	⑰ W 12" CMP	17.43'
NW 14" CMP	15.25'	E 8" PVC	17.50'

SYMBOLS & ABBREVIATIONS LEGEND:

- ⊕ = WATER METER
- X 50.00 = SPOT ELEVATION
- ⊕ = WATER VALVE
- CMP = CORRUGATED METAL PIPE
- CPP = CONCRETE UTILITY POLE
- EL = ELEVATION
- INV = INVERT
- N = NORTH
- PVC = POLYVINYL CHLORIDE
- RCP = REINFORCED CONCRETE PIPE
- R/W = RIGHT-OF-WAY
- SSMH = SANITARY SEWER MANHOLE
- TYP = TYPICAL
- WE = WATERS EDGE
- WM = WATER METER

GENERAL NOTES:

1. NORTH AND THE SURVEY DATUM SHOWN HEREON IS BASED ON NORTH AMERICAN DATUM 1983 (NAD 83).
2. ELEVATIONS WERE ESTABLISHED ON-SITE DURING JULY 2007. ELEVATIONS ARE RELATIVE TO NORTH AMERICAN VERTICAL DATUM 1988, REFERENCED TO A FLORIDA DEPARTMENT OF TRANSPORTATION (FDOT) MONUMENT LABELED 46-99-A15V, WITH AN ELEVATION OF 14.59 FEET.
3. NO TITLE SEARCH, TITLE OPINION, OR ABSTRACT WAS PERFORMED BY NOR PROVIDED TO THIS FIRM FOR THE SUBJECT PROPERTY. THERE MAY BE DEEDS OF RECORD, UNRECORDED DEEDS, EASEMENTS, RIGHTS-OF-WAY, BUILDING SETBACKS, RESTRICTIVE COVENANTS OR OTHER INSTRUMENTS WHICH COULD AFFECT THE BOUNDARIES OR USE OF THE SUBJECT PROPERTY.
4. IT IS THE OPINION OF THE UNDERSIGNED SURVEYOR THAT THE PARCEL OF LAND SHOWN HEREON IS IN ZONE "X", AREAS DETERMINED TO BE OUTSIDE THE 500-YEAR FLOODPLAIN, NO BASE FLOOD ELEVATIONS DETERMINED, BASED ON THE FLOOD INSURANCE RATE MAP FOR BAY COUNTY, FLORIDA, COMMUNITY-PANEL NUMBER 12005 0310G, DATED 09/18/02.
5. THIS IS A TOPOGRAPHIC SURVEY OF SPECIFIC FEATURES SELECTED BY THE CLIENT.
6. THE FIELD SURVEY WAS PERFORMED ON 06/28/07 AND RECORDED IN FIELD BOOK 261, PAGE(S) 71-76. ADDITIONAL FIELD WORK WAS PERFORMED ON 07/24/07 AND RECORDED IN FIELD BOOK 707/03, PAGE 45.
7. UTILITIES OTHER THAN SHOWN WERE NOT FIELD LOCATED.
8. RIGHT-OF-WAY LINES, LOT LINES, AND WETLAND JURISDICTION LINES SHOWN HEREON ARE FOR INFORMATIONAL PURPOSES ONLY AND ARE APPROXIMATE IN LOCATION.
9. THIS SURVEY DOES NOT REPRESENT NOR GUARANTEE OWNERSHIP.

SURVEYOR IN RESPONSIBLE CHARGE:

FOR: BASKERVILLE-DONOVAN INC.
CORPORATE NO. LB 0340

BY: DATE: 8/1/07

JEREMIAH SLAYMAKER, P.S.M.
FLORIDA REGISTRATION NO. 6387

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER.

BASKERVILLE-DONOVAN, INC.
INNOVATIVE INFRASTRUCTURE SOLUTIONS
PENSACOLA ■ PANAMA CITY ■ TALLAHASSEE
MOBILE ■ BREVARD ■ SARASOTA
108 WEST 5th STREET
PANAMA CITY, FLORIDA 32401 (904)788-2800
ENGINEERING BUSINESS: EP-0008340

NOT VALID WITHOUT THE SIGNATURE AND THE ORIGINAL RAISED SEAL OF A FLORIDA LICENSED SURVEYOR AND MAPPER

THE GLADES TOPOGRAPHIC SURVEY
A PARCEL OF LAND LYING IN FRACTIONALIZED SECTION 36, RANGE 13 WEST, TOWNSHIP 3 SOUTH

NO.	DATE	APPR.	REVISION/ACTION TAKEN
1	7/31/07	JS	ADDITIONAL TOPO

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NOT RELEASED FOR CONSTRUCTION
BY: _____ DATE: _____

PROJECT NO: 23235-01
SCALE: 1"=40'
DRAWN BY: JAH
CHK'D BY: JS
PROJ. MGR: JS
DATE: 07/02/07

PREPARED FOR / CERTIFIED TO:
CITY OF PANAMA CITY BEACH