

# CONSERVATORY PARK

## PREPARED FOR THE: MANATEE COUNTY, FLORIDA

### SITE IMPROVEMENT PERMIT DOCUMENTS

SUBMITTED TO:  
MANATEE COUNTY GOVERNMENT  
PROPERTY MANAGEMENT DEPARTMENT  
1112 MANATEE AVENUE WEST  
BRADENTON, FLORIDA 34205  
PHONE: (941) 748-4501 FAX: (941) 749-3018

#### INDEX OF CIVIL PLAN SHEETS

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- C-1b PRE-DEVELOPMENT DRAINAGE PLAN - 2
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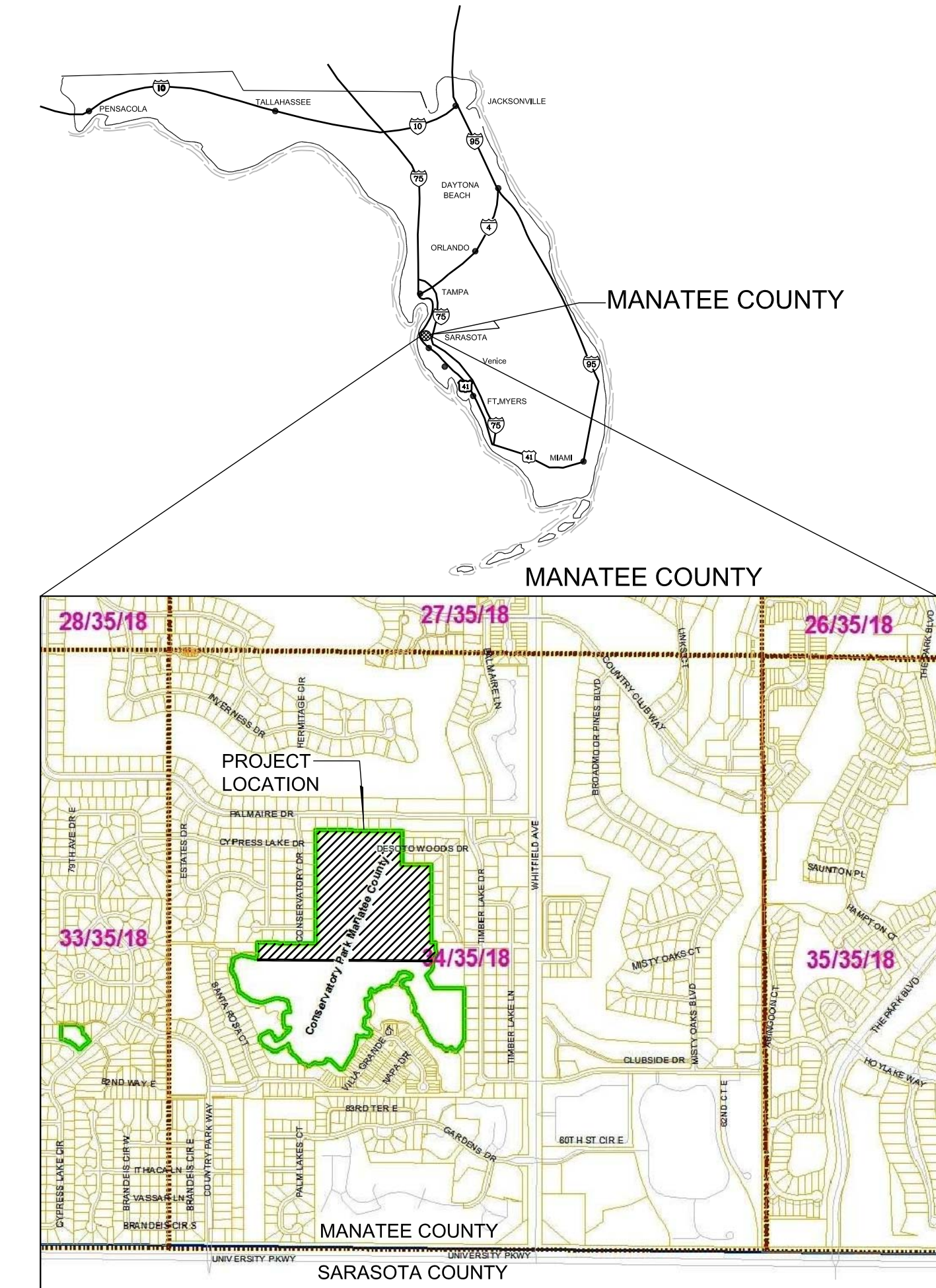
#### UTILITY CONTACT LIST

- WATER & SEWER SERVICE -**  
AQUA UTILITIES FLORIDA INC  
8374 MARKET ST  
BRADENTON, FL 34202  
Attn: BRETT HENS  
(941) 650-9613
- MANATEE COUNTY UTILITY OPERATIONS**  
4422-C 66TH STREET WEST  
BRADENTON, FL 34210  
Attn: KATHY MCMAHON  
(941) 792-8811 Ext: 5002
- SARASOTA COUNTY UTILITIES**  
1001 SARASOTA CENTER BLVD  
SARASOTA, FL 34240  
Attn: ANN COLEMAN  
(941) 861-0530
- TRANSPORTATION DEPARTMENT -**  
MANATEE COUNTY TRANSPORTATION DEPARTMENT  
4422-C 66TH STREET WEST  
BRADENTON, FL 34210  
Attn: KATHY MCMAHON  
(941) 792-8811 Ext: 5002
- SARASOTA COUNTY TRAFFIC**  
1001 SARASOTA CENTER BLVD  
SARASOTA, FL 34240  
Attn: MICHAEL SMITH  
(941) 861-097
- ELECTRIC SERVICE -**  
FLORIDA POWER & LIGHT  
303 HASTINGS RD  
ST AUGUSTINE, FL 32084  
Attn: TRACY STERN  
(800) 868-9554
- GAS SERVICE -**  
TECO - PEOPLES GAS- SARASOTA  
8261 VICO CT  
SARASOTA, FL 34240  
Attn: DANNY SHANAHAN  
(941) 342-4006
- TELEPHONE SERVICE -**  
VERIZON FLORIDA INC  
1909 US Hwy. 301 N  
TAMPA, FL 33619  
Attn: DAVID WYNNS  
(813) 627-8343
- ATT / T**  
2315 SALEM RD, 1ST FLOOR - F11  
CONYERS, GA 30013  
Attn: NANCY SPENCE  
(770) 918-5424
- CABLE SERVICE-**  
BRIGHT HOUSE NETWORKS MANATEE  
700 CARILLON PARKWAY, SUITE 6  
ST PETERSBURG, FL 33716  
Attn: GLENN WICKETT  
(727) 329-2804
- COMCAST CABLEVISION OF WEST FLORIDA**  
5205 FRUITVILLE RD  
SARASOTA, FL 34232  
Attn: GONZALO ROJAS  
(941) 342-3578

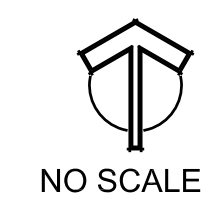
#### GENERAL CONSTRUCTION NOTES:

- THESE PLANS REFLECT CONDITIONS KNOWN AND AVAILABLE DURING DESIGN PHASE OF THIS PROJECT. ACTUAL PHYSICAL CONDITIONS MAY VARY. CONTRACTOR SHALL FIELD VERIFY ALL EXISTING FEATURES PRIOR TO CONSTRUCTION.
- ALL WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS OTHERWISE NOTED. ANY CONFLICTS IDENTIFIED DURING CONSTRUCTION MUST BE BROUGHT TO ATTENTION OF OWNER.
- THE CONTRACTOR SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN. ANY INTERRUPTION OF UTILITY SERVICES SHALL BE WELL COORDINATED WITH OWNER PRIOR TO CONSTRUCTION.
- THE CONTRACTOR SHALL CONSTRUCT SILT SCREENS, HAY BALES OR OTHER APPROVED DEVICES PRIOR TO CONSTRUCTION TO PREVENT ADVERSE OFF-SITE IMPACT OF STORMWATER QUALITY AND QUANTITY.
- ALL EXISTING STORM DRAINAGE STRUCTURES SHALL REMAIN UNLESS OTHERWISE NOTED.
- NOTIFY SUNSHINE STATE OR CALL (1-800-432-4770), AND ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND CONNECTION TO EXISTING UTILITIES. PROTECT EXISTING UTILITIES FROM DAMAGE.
- LAY SOD AROUND ALL INLETS, MITERED ENDWALLS, HEADWALLS, SWALES LAKE SLOPES, AND 2' MIN. WIDE STRIP ADJACENT TO ALL CURBING. ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISHED EARTHWORK GRADING WILL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS.
- CONTRACTOR TO REFER TO CIVIL PLAN SHEETS FOR SPECIFIC CONSTRUCTION AND TESTING NOTES UNDER VARIOUS DISCIPLINE.
- PLAN SHEETS MAY BE REDUCED IN SIZE, CHECK THE SCALE.

#### LOCATION MAP



LOCATION MAP  
NOT TO SCALE



NO SCALE

SITE ADDRESS: 8027 CONSERVATORY DRIVE, SARASOTA, FL 34243  
COUNTY: MANATEE COUNTY  
SECTION TOWNSHIP RANGE: 34-35-18  
PARCEL ID No.: 2052710359  
PARCEL ACREAGE: 55.4 ACRES  
PARCEL OWNER: MANATEE COUNTY  
PERMIT APPLICANT: MANATEE COUNTY, PROPERTY MANAGEMENT DEPT.

SUZANNE C. THOMPSON, RLA  
FLORIDA LA No.6666908  
1519 MAIN STREET SARASOTA,  
FLORIDA 34236  
P 941.954.1718  
F 941.954.0231

J. WILSON LORENZ, P.E.  
FLORIDA PE No. 47815

Drawing: J:\Projects\Engineer\21110\21110\_Cover.dwg  
Name: J:\Projects\Engineer\21110\21110\_Cover.dwg  
Date: 11/22/2011  
User: J:\Projects\Engineer\21110\21110\_Cover.dwg  
Plot: J:\Projects\Engineer\21110\21110\_Cover.dwg

REV.	DATE	DESCRIPTION
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**IBI GROUP, INC.**  
HTTP://WWW.IBIGROUP.COM  
SURVEYORS AC#185610  
ENGINEERS CERT OF AUTH #2966  
PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS  
1519 MAIN STREET  
SARASOTA, FL 34236  
PHONE: (941) 944-0231  
FAX: (941) 944-0231

**IBI GROUP**

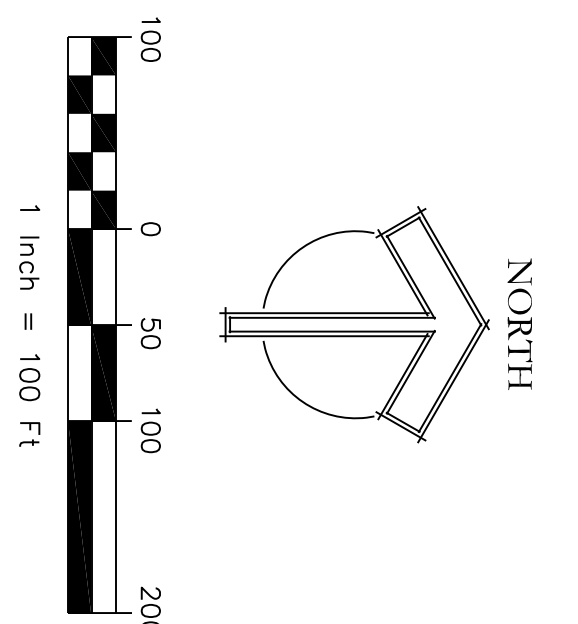
J. Wilson Lorenz, P.E.  
FLORIDA PE No. 47815

DRAWN: EO  
DESIGNED: EO  
CHECKED: AW  
DATE: 11-22-2011

CONSERVATORY PARK  
BRADENTON, FLORIDA  
COVER SHEET

SCALE  
AS NOTED  
21110  
SHEET  
C-0

SECTION 34, TOWNSHIP 35 SOUTH, RANGE 18 EAST  
 MANATEE COUNTY, FLORIDA



48 HOURS BEFORE YOU DIG  
 CALL SUNSHINE  
 1-800-432-4770  
 FOR THE LAW IN FLORIDA  
 FL. STATUTE 553.051 (1979) REQUIRES  
 NOTICE BEFORE WORK BEGINS. A  
 FOOT MAINTENANCE YARD TO BE  
 CONTACTED 72 HOURS PRIOR TO  
 BEGINNING CONSTRUCTION.

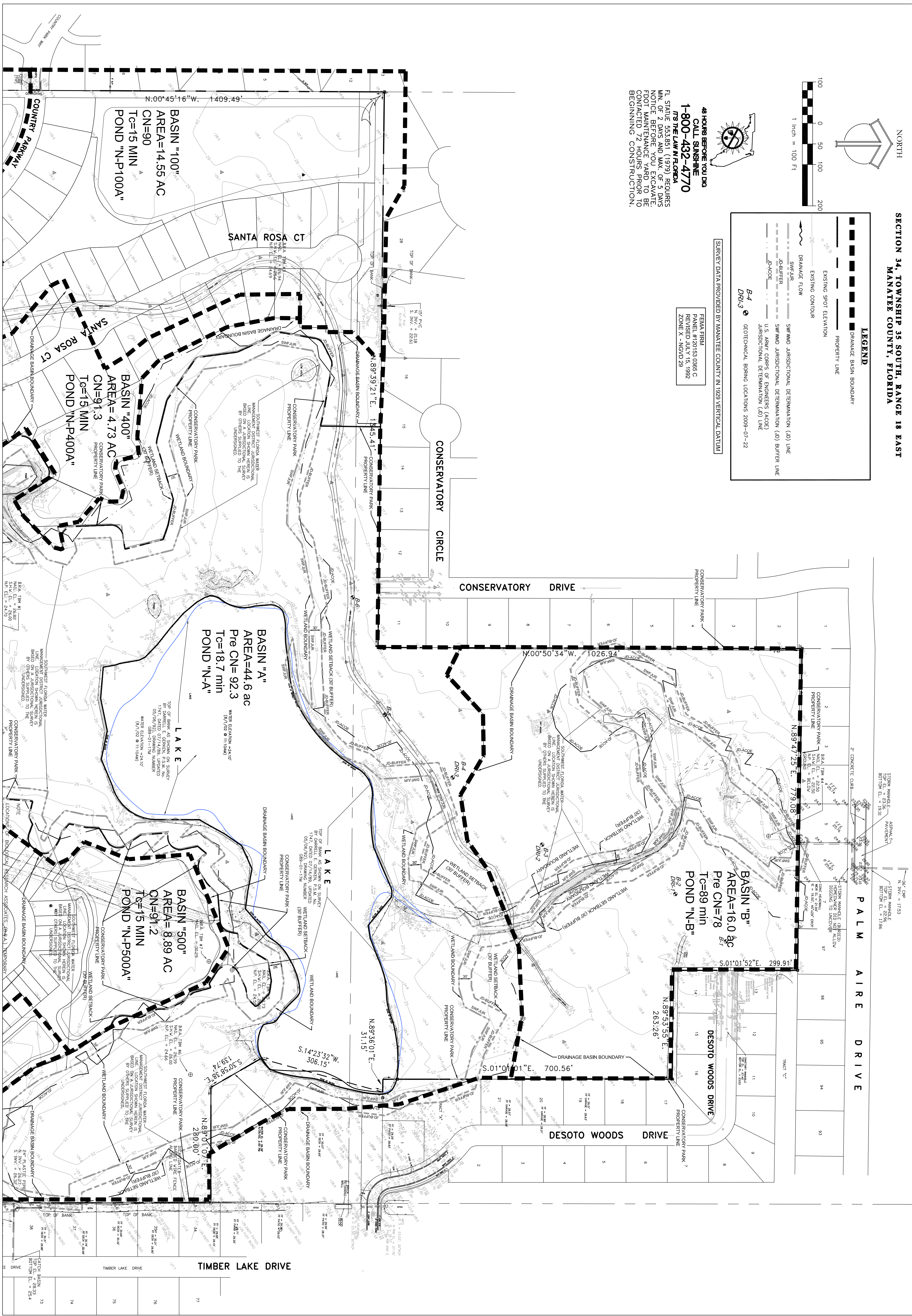
**LEGEND**

- DRAINAGE BASIN BOUNDARY
- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- DRAINAGE FLOW
- SWFWMD JURISDICTIONAL DETERMINATION (JD) LINE
- SWFWMD JURISDICTIONAL DETERMINATION (JD) BUFFER LINE
- U.S. ARMY CORPS OF ENGINEERS (ACE) JURISDICTIONAL DETERMINATION (JD) LINE
- U.S. ARMY CORPS OF ENGINEERS (ACE) JURISDICTIONAL DETERMINATION (JD) BUFFER LINE

**B-4** GEOTECHNICAL BORING LOCATION 2009-07-22  
**DR-3**

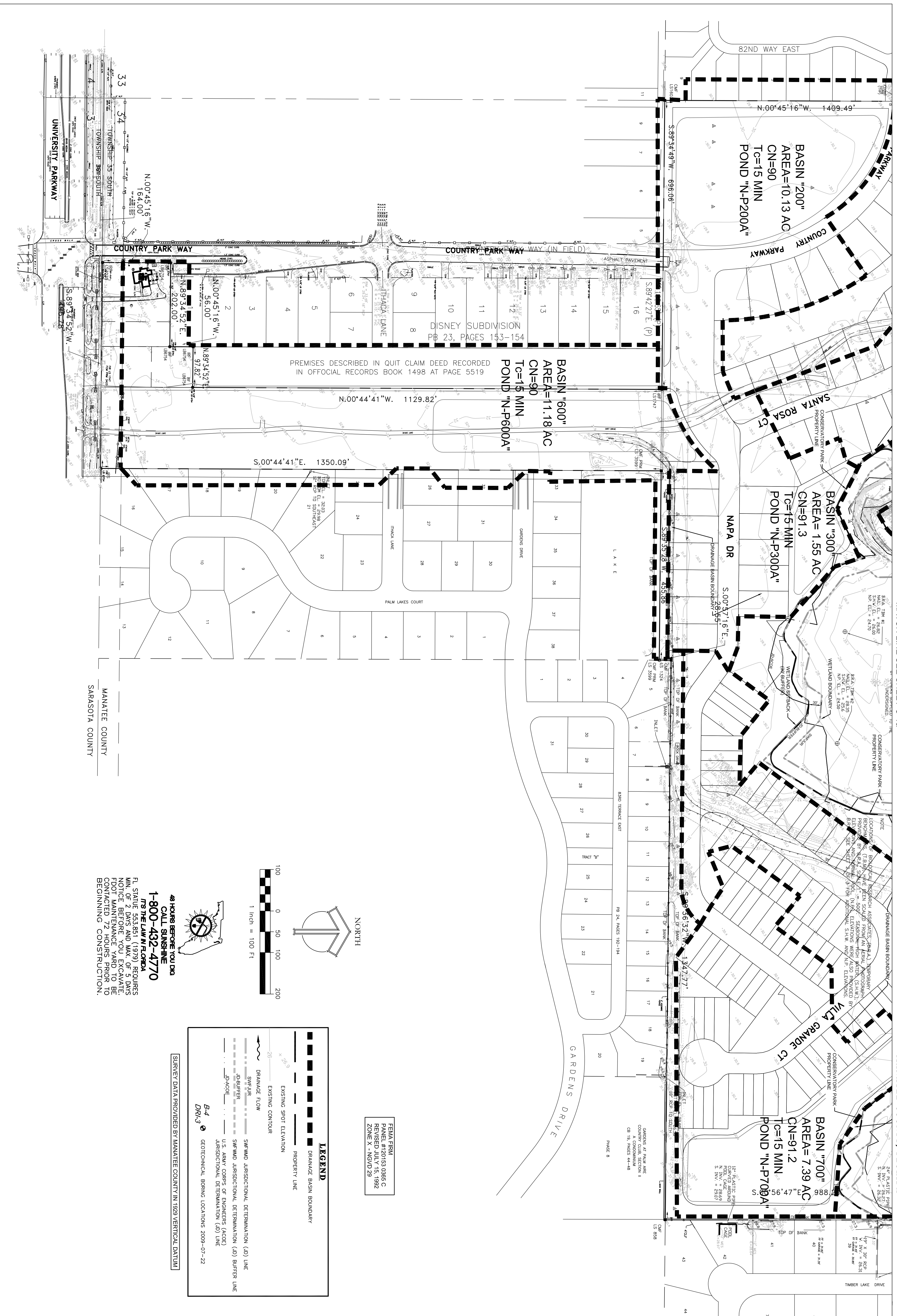
SURVEY DATA PROVIDED BY MANATEE COUNTY IN 1929 VERTICAL DATUM

FEIMA FIRM  
 PANEL #120153 0365 C  
 REVISED JULY 15, 1992  
 ZONE X - NGVD 29



MATCH LINE SEE SHEET C-1b

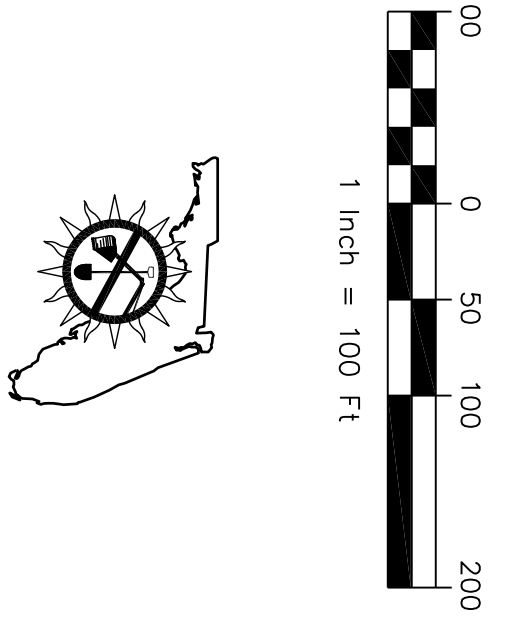
21110 SHEET C-1a	SCALE 1" = 100'	CONSERVATORY PARK BRADENTON, FLORIDA PRE-DEVELOPMENT DRAINAGE PLAN	DRAWN: EO DESIGNED: EO CHECKED: AW DATE: 11-22-2011	J. Wilson Lorenz, P.E. Florida P.E. No. 47815	<b>IBI GROUP</b>	<b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1519 MAIN STREET SARASOTA, FL 34236 PHONE: (941) 954-1718 FAX: (941) 954-0231	REV. DATE DESCRIPTION BY



MATCH LINE SEE SHEET C-1a

SECTION 34, TOWNSHIP 35 SOUTH, RANGE 18 EAST  
 MANATEE COUNTY, FLORIDA

**48 HOURS BEFORE YOU DIG  
 CALL SUNSHINE  
 1-800-432-4770**  
 ITS THE LAW IN FLORIDA  
 FL STATUTE 553.851 (1979) REQUIRES  
 MIN. OF 2 DAYS AND MAX. OF 5 DAYS  
 NOTICE BEFORE YOU EXCAVATE,  
 FOOT MAINTENANCE YARD TO BE  
 CONTRACTED 72 HOURS PRIOR TO  
 BEGINNING CONSTRUCTION.

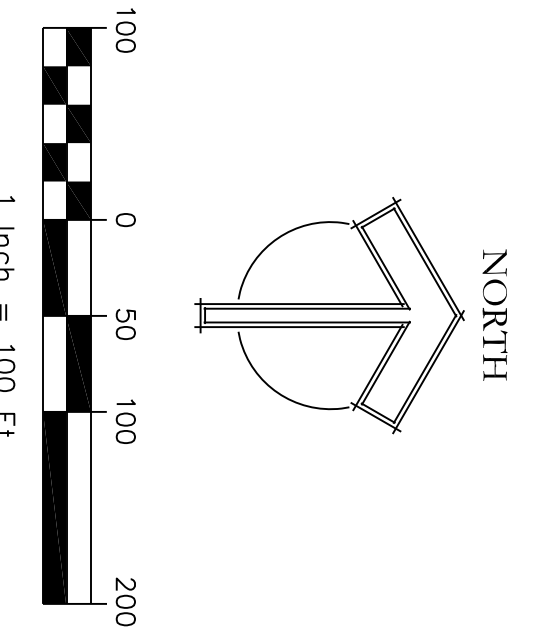


LEGEND	
	DRAINAGE BASIN BOUNDARY
	PROPERTY LINE
	EXISTING SPOT ELEVATION
	DRAINAGE FLOW
	SWFWMD JURISDICTIONAL DETERMINATION (JD) BUFFER LINE
	U.S. ARMY CORPS OF ENGINEERS (ACEC) JURISDICTIONAL DETERMINATION (JD) BUFFER LINE
	U.S. ARMY CORPS OF ENGINEERS (ACEC) JURISDICTIONAL DETERMINATION (JD) LINE
	GEOTECHNICAL BORING LOCATIONS 2009-07-22

FEMA FIRM  
 PANEL #120153 0385 C  
 REVISED JULY 15, 1992  
 ZONE X - NSVD 29

SURVEY DATA PROVIDED BY MANATEE COUNTY IN 1929 VERTICAL DATUM

SCALE <b>1" = 100'</b>	CONSERVATORY PARK BRADENTON, FLORIDA	DRAWN: EO DESIGNED: EO CHECKED: AW DATE: 11-22-2011		<b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1519 MAIN STREET SARASOTA, FL 34236 PHONE: (941) 554-1718 FAX: (941) 954-0231	REV.    DATE    DESCRIPTION    BY
	21110	PRE-DEVELOPMENT DRAINAGE PLAN	J. Wilson Lorenz, P.E. Florida P.E. No. 47815	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31	1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30 31
	SHEET C-1b				



**48 HOURS BEFORE YOU DIG  
1-800-432-4770**  
**IT'S THE LAW IN FLORIDA**  
 FL. STATUTE 553.851 (1979) REQUIRES  
 MIN. OF 2 DAYS AND MAX. OF 5 DAYS  
 NOTICE BEFORE YOU EXCAVATE.  
 FOOT MAINTENANCE YARD TO BE  
 CONTACTED 72 HOURS PRIOR TO  
 BEGINNING CONSTRUCTION.

**LEGEND**

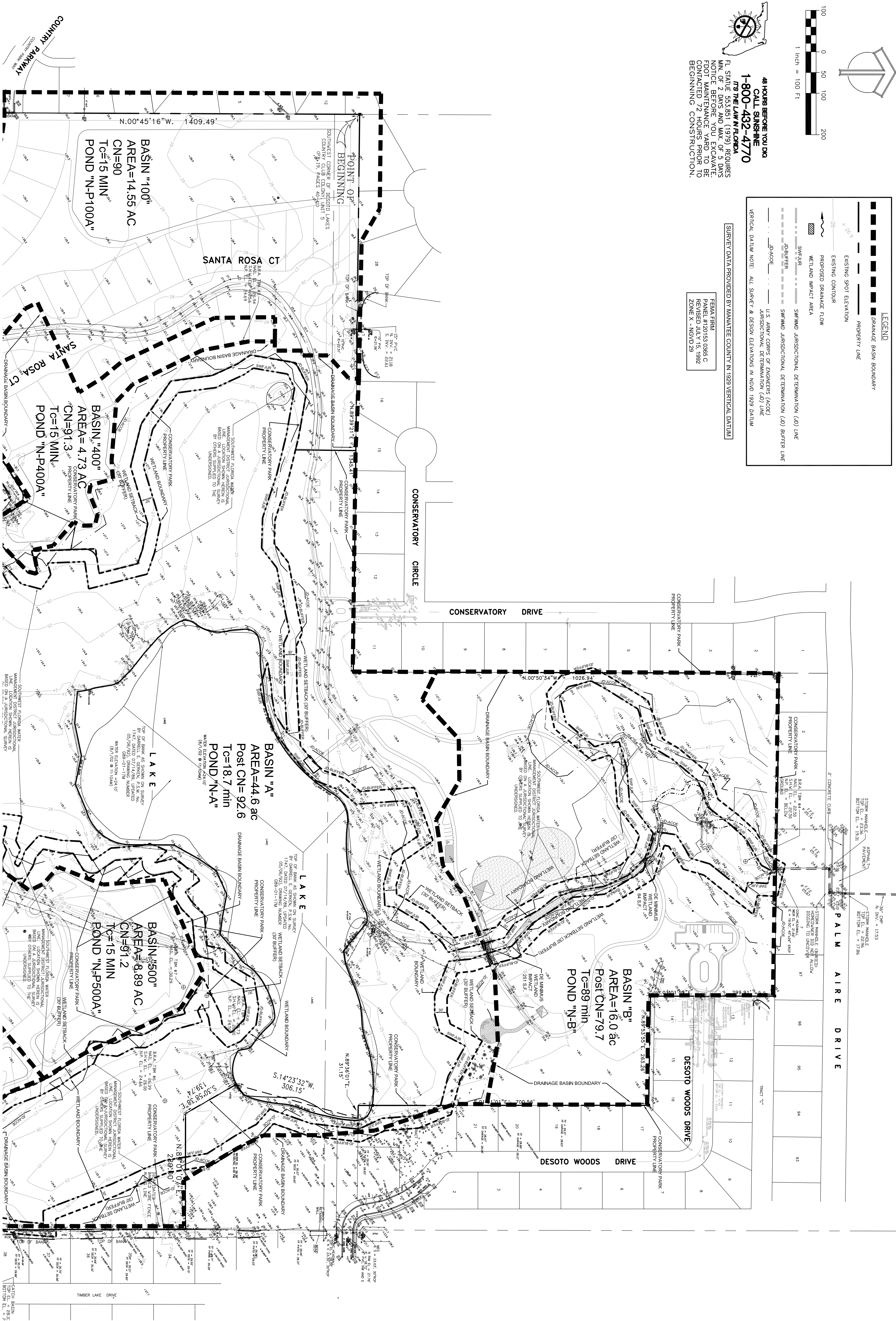
- EXISTING SPOT ELEVATION
- PROPOSED DRAINAGE FLOW
- WETLAND IMPACT AREA
- SWFWMD JURISDICTIONAL DETERMINATION (JD) LINE
- SWFWMD JURISDICTIONAL DETERMINATION (JD) BUFFER LINE
- U.S. ARMY CORPS OF ENGINEERS (ACEC) JURISDICTIONAL DETERMINATION (JD) LINE
- U.S. ARMY CORPS OF ENGINEERS (ACEC) JURISDICTIONAL DETERMINATION (JD) BUFFER LINE

VERTICAL DATUM NOTE: ALL SURVEY & DESIGN ELEVATIONS IN NAD83 VERTICAL DATUM

SURVEY DATA PROVIDED BY MANATEE COUNTY IN 1929 VERTICAL DATUM

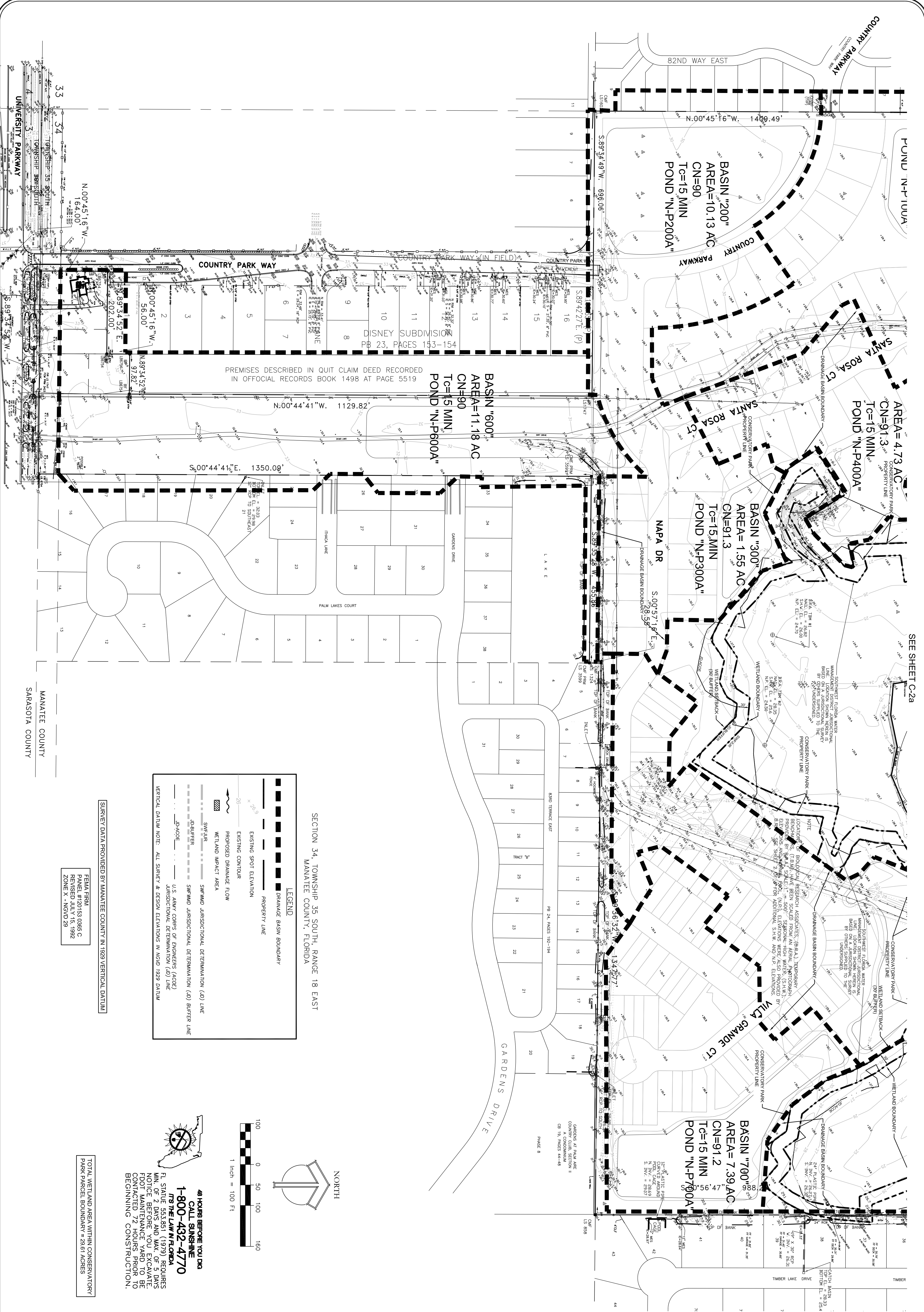
FEIMA FIRM  
 PANEL #120153 0368 C  
 REVISED JULY 15, 1992  
 ZONE X - NAD83 29

SECTION 34, TOWNSHIP 35 SOUTH, RANGE 18 EAST  
 MANATEE COUNTY, FLORIDA



SEE SHEET C-2B

21110 SHEET C-2a	SCALE 1" = 100'	CONSERVATORY PARK BRADENTON, FLORIDA	DRAWN: EO DESIGNED: EO CHECKED: AW DATE: 11-22-2011	IBI GROUP ENGINEERS CERT OF AUTH #2966 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1718 FAX: (941) 554-0231	SURVEYORS AC#LB5610 REV. DATE DESCRIPTION BY
	POST-DEVELOPMENT DRAINAGE PLAN		CONSERVATORY PARK BRADENTON, FLORIDA		
	CONSERVATORY PARK BRADENTON, FLORIDA		CONSERVATORY PARK BRADENTON, FLORIDA		
	CONSERVATORY PARK BRADENTON, FLORIDA		CONSERVATORY PARK BRADENTON, FLORIDA		



SEE SHEET C-2A

**LEGEND**

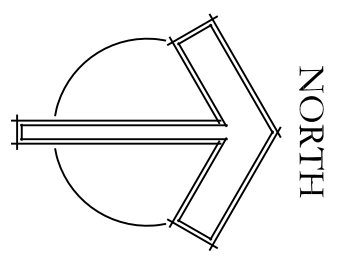
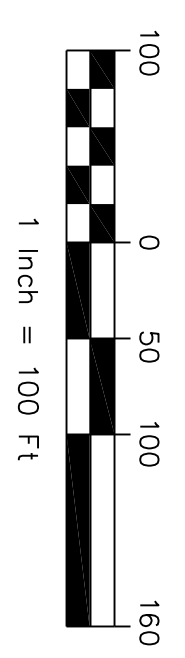
- DRAINAGE BASIN BOUNDARY
- PROPERTY LINE
- EXISTING SPOT ELEVATION
- EXISTING CONTOUR
- PROPOSED DRAINAGE FLOW
- WETLAND IMPACT AREA
- SWFWMD JURISDICTIONAL DETERMINATION (JD) LINE
- SWFWMD JURISDICTIONAL DETERMINATION (AD) BUFFER LINE
- U.S. ARMY CORPS OF ENGINEERS (ACOE) JURISDICTIONAL DETERMINATION (JD) LINE
- U.S. ARMY CORPS OF ENGINEERS (ACOE) JURISDICTIONAL DETERMINATION (AD) BUFFER LINE

VERTICAL DATUM NOTE: ALL SURVEY & DESIGN ELEVATIONS IN NAD 1929 DATUM

SECTION 34, TOWNSHIP 35 SOUTH, RANGE 18 EAST  
MANATEE COUNTY, FLORIDA

**48 HOURS BEFORE YOU DIG  
CALL SUNSHINE  
1-800-432-4770  
IT'S THE LAW IN FLORIDA**

FL STATUTE 553.951 (1979) REQUIRES  
MIN. OF 2 DWS AND MAX. OF 5 DWS  
NOTICE BEFORE YOU EXCAVATE.  
FOOT MAINTENANCE YARD TO BE  
CONTACTED 72 HOURS PRIOR TO  
BEGINNING CONSTRUCTION.



SURVEY DATA PROVIDED BY MANATEE COUNTY IN 1929 VERTICAL DATUM

FEINA FIRM  
PANEL #120153.0385 C  
REVISED JULY 15, 1992  
ZONE X - NAD 29

CONSERVATORY PARK BRADENTON, FLORIDA	DRAWN: EO
POST-DEVELOPMENT DRAINAGE PLAN	DESIGNED: EO
	CHECKED: AW
	DATE: 11-22-2011

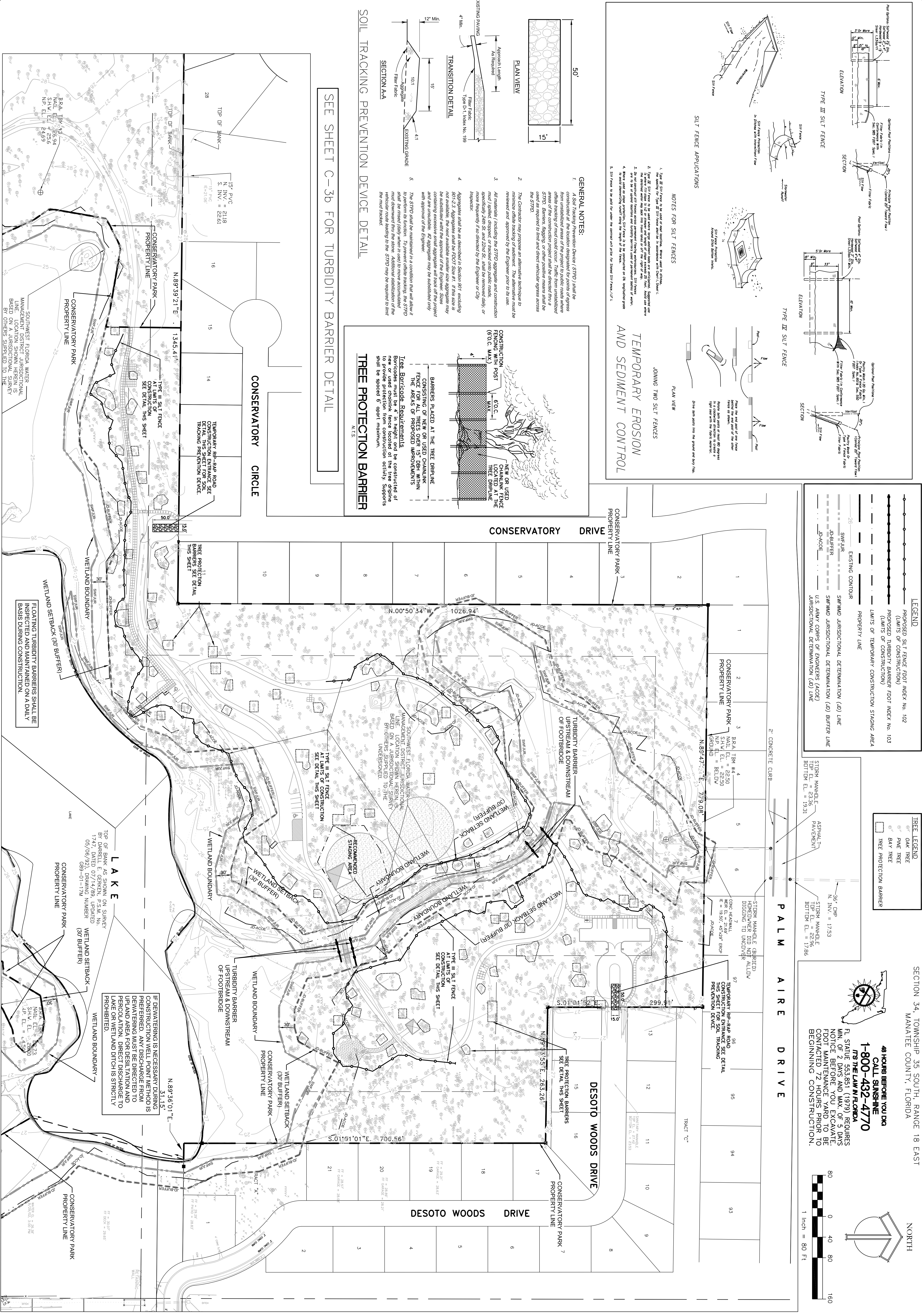
**IBI GROUP**

ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610  
PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS

1421 5th STREET, SUITE B  
SARASOTA, FL 34236  
PHONE: (941) 554-1714  
FAX: (941) 554-0231

REV.	DATE	DESCRIPTION	BY
4/7/12		REVISED PER COUNTY COMMENTS	
7/16/10		REVISED PER SWFWMD & COUNTY COMMENTS	
4/07/10		REVISED PER SWFWMD & COUNTY COMMENTS	

SCALE  
1" = 100'  
21110  
SHEET  
C-2b



**LEGEND**

- PROPOSED SILT FENCE FOOT INDEX No. 102 (LIMITS OF CONSTRUCTION)
- PROPOSED TURBIDITY BARRIER FOOT INDEX No. 103 (LIMITS OF CONSTRUCTION)
- LIMITS OF TEMPORARY CONSTRUCTION STAGING AREA
- PROPERTY LINE
- EXISTING CONTOUR
- SWFWMD JURISDICTIONAL DETERMINATION (JD) BUFFER LINE
- JD-BUFFER
- JD-ACCUR
- U.S. ARMY CORPS OF ENGINEERS (ACOE) JURISDICTIONAL DETERMINATION (JD) LINE

**TREE LEGEND**

- OAK TREE
- PAINE TREE
- BAY TREE
- TREE PROTECTION BARRIER

**SECTION 34, TOWNSHIP 35 SOUTH, RANGE 18 EAST**  
**MANATEE COUNTY, FLORIDA**

**48 HOURS BEFORE YOU DIG**  
**CALL SUNSHINE**  
**1-800-432-4770**  
**FOR THE LAW IN FLORIDA**

FL. STATUTE 553.851 (1979) REQUIRES MIN. OF 2 DUNES AND MAX. OF 3 DUNES PER 100' OF CONSTRUCTION YARD TO BE CONTACTED 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.

**NOTES FOR SILT FENCES**

- The Silt Fence shall be installed and maintained in accordance with Section 1.
- The Silt Fence shall be installed and maintained in accordance with Section 1.
- The Silt Fence shall be installed and maintained in accordance with Section 1.
- The Silt Fence shall be installed and maintained in accordance with Section 1.
- The Silt Fence shall be installed and maintained in accordance with Section 1.

**GENERAL NOTES:**

- A Soil Tracking Prevention Device (STPD) shall be constructed at the location designated for points of aggregate tracking of the construction project. Traffic from unexcavated areas of the construction project shall be directed thru a STPD. Barriers, flagging, or other positive means shall be used to prevent aggregate from tracking across the STPD.
- The Contractor may propose an alternative technique to remove aggregate tracking of sediment. The alternative must be reviewed and approved by the Engineer prior to its use.
- All materials (including the STPD aggregate and construction material) shall be stored, stacked, or placed on a public easement, right-of-way, or easement of the Engineer or his/her representative.
- Aggregate shall be as described in Section 897 excluding any aggregate that is not suitable for use in aggregate. The aggregate shall be substituted with the approval of the Engineer. Stacks containing aggregate shall aggregate will track off the project and are unacceptable. Aggregate may be substituted only with approval of the Engineer.
- The STPD shall be maintained in a condition that will allow it to perform its function. To prevent aggregate tracking, the STPD must be removed from the site. Additional stabilization of the vehicle route leading to the STPD may be required to limit the mud tracked.

**TREE PROTECTION BARRIER**

Barriers must be 4' in height and be constructed of new or used chain-link fence located at the tree dripline and spaced 6' apart maximum.

**SOIL TRACKING PREVENTION DEVICE DETAIL**

SEE SHEET C-3b FOR TURBIDITY BARRIER DETAIL

DATE	11-22-2011	CHECKED	AW	DESIGNED	EO	DRAWN	EO
<p><b>IBI GROUP</b></p> <p>ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610                  PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <p>1421 5th STREET, SUITE B                  SARASOTA, FL 34236                  PHONE: (941) 554-1718                  FAX: (941) 854-0231</p>							
REV.	DATE	DESCRIPTION	BY	DATE	DESCRIPTION	BY	DATE
4/7/12		REVISED PER COUNTY COMMENTS					
2/16/12		REVISED PER SWFWMD & COUNTY COMMENTS					
4/7/10		REVISED PER SWFWMD & COUNTY COMMENTS					

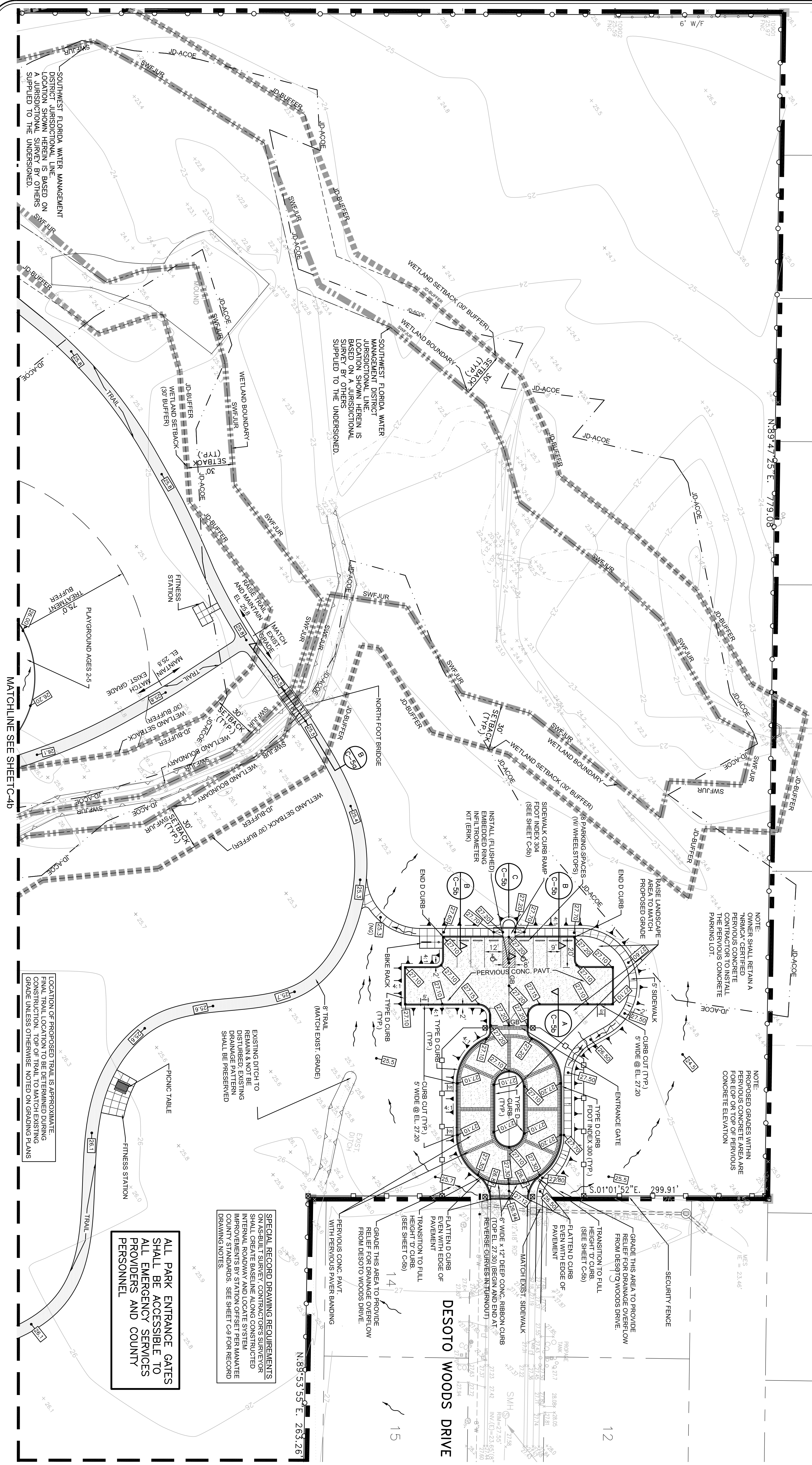
**CONSERVATORY PARK**  
**BRADENTON, FLORIDA**

**STORMWATER POLLUTION PREVENTION PLAN**

SCALE: 1" = 80'

SHEET 21110  
 C-3a

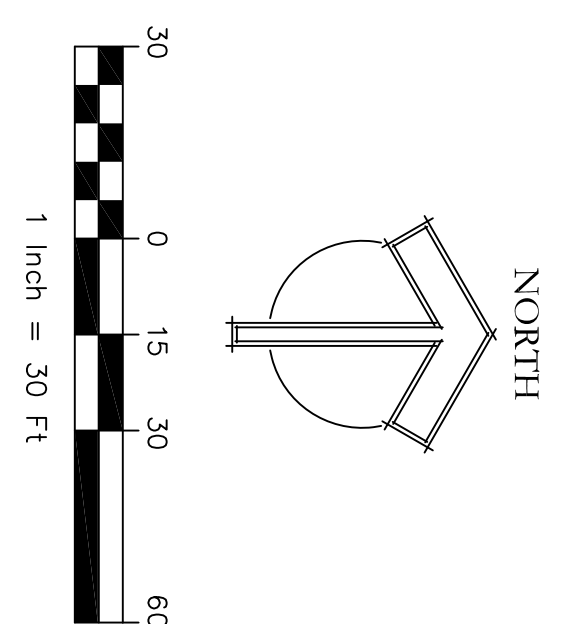
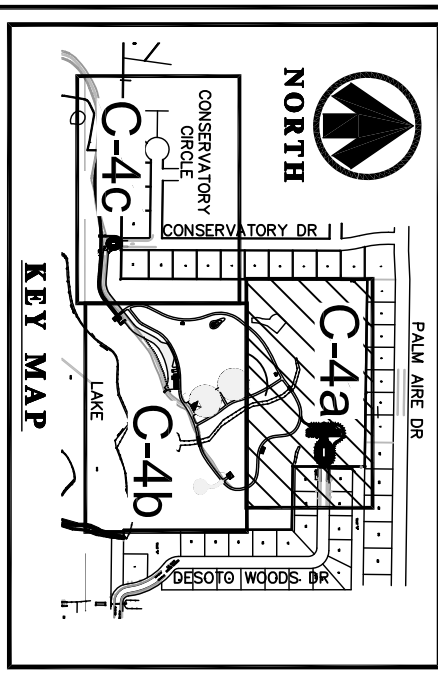




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 1-800-432-4770  
 THE LAW IN FLORIDA  
 FL. STATUTE 553.851 (1979) REQUIRES  
 MIN. OF 2 DAYS AND MAX. OF 5 DAYS  
 NOTICE BEFORE YOU EXCAVATE.  
 FOOT MAINTENANCE YARD TO BE  
 CONTACTED 72 HOURS PRIOR TO  
 BEGINNING CONSTRUCTION.

**LEGEND**

- EXISTING SPOT ELEVATION = PROPERTY LINE
- EXISTING CONTOUR
- PROPOSED SPOT ELEVATION AT EDGE OF PAVEMENT
- PROPOSED DRAINAGE FLOW
- F.F.E. = FINISHED FLOOR ELEVATION
- PROPOSED PERVIOUS CONCRETE
- SWF JUR
- JD-BUFFER
- JD-ACOE
- PERVIOUS PAPER BANDING
- PROPOSED TRAIL
- SWM JUR
- SWM JURISDICTIONAL DETERMINATION (JD) LINE
- JD-BUFFER
- JD-ACOE
- U.S. ARMY CORPS OF ENGINEERS (ACEC) JURISDICTIONAL DETERMINATION (JD) LINE
- 75' WATER QUALITY TREATMENT BUFFER



SECTION 34, TOWNSHIP 35 SOUTH, RANGE 18 EAST  
 MANATEE COUNTY, FLORIDA

ALL PARK ENTRANCE GATES  
 SHALL BE ACCESSIBLE TO  
 ALL EMERGENCY SERVICES  
 PROVIDERS AND COUNTY  
 PERSONNEL

SPECIAL RECORD DRAWING REQUIREMENTS  
 ON AS-BUILT SURVEY CONTRACTORS SURVEYOR  
 SHALL CREATE BASELINE ALONG CONSTRUCTION  
 IMPROVEMENTS BY STATION OFFSET PER MANATEE  
 COUNTY STANDARDS. SEE SHEET C-9 FOR RECORD  
 DRAWING NOTES.

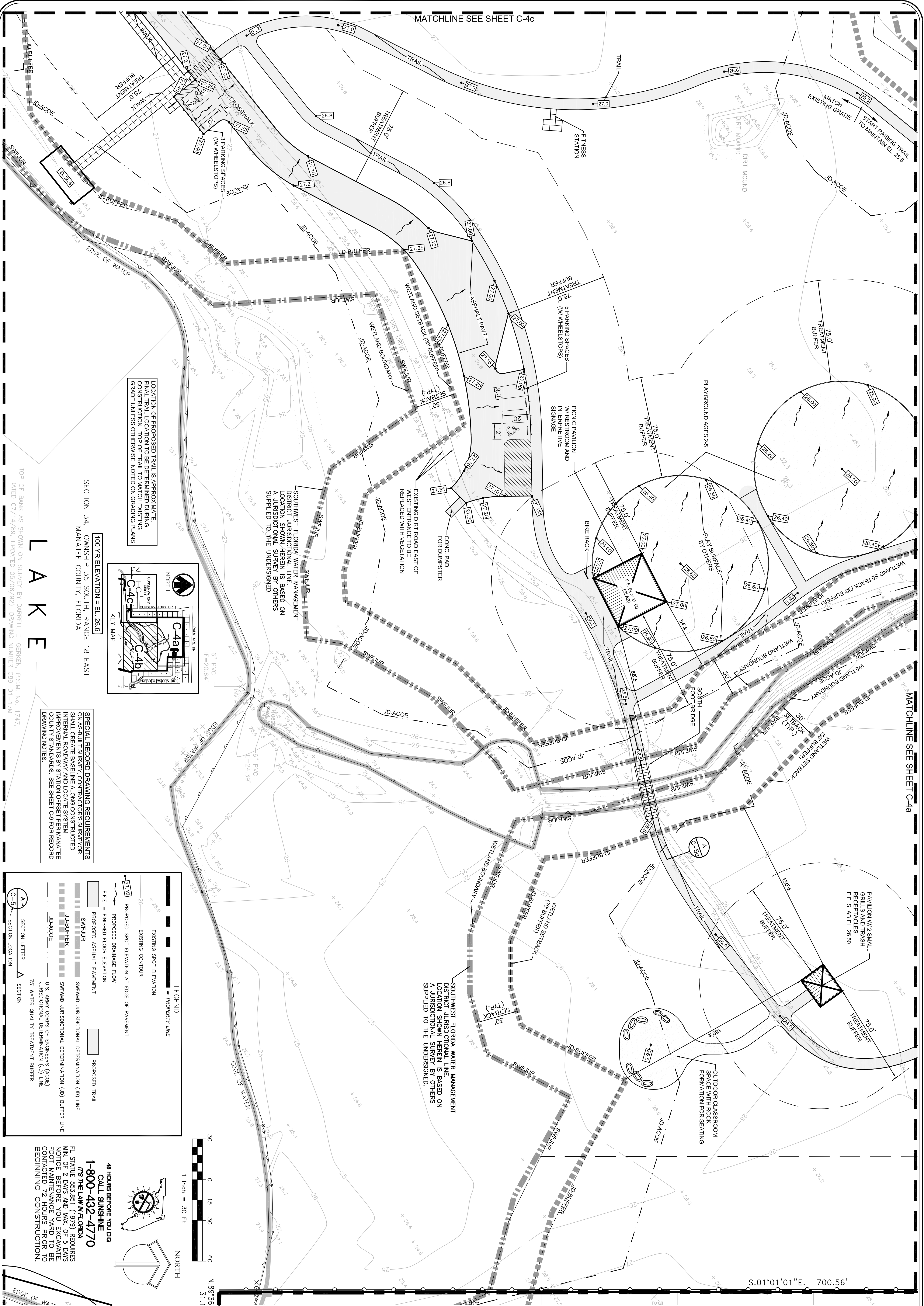
LOCATION OF PROPOSED TRAIL IS APPROXIMATE.  
 FINAL TRAIL LOCATION TO BE DETERMINED DURING  
 CONSTRUCTION. TOP OF TRAIL TO MATCH EXISTING  
 GRADE UNLESS OTHERWISE NOTED ON GRADING PLANS

MATCHLINE SEE SHEET C-4b

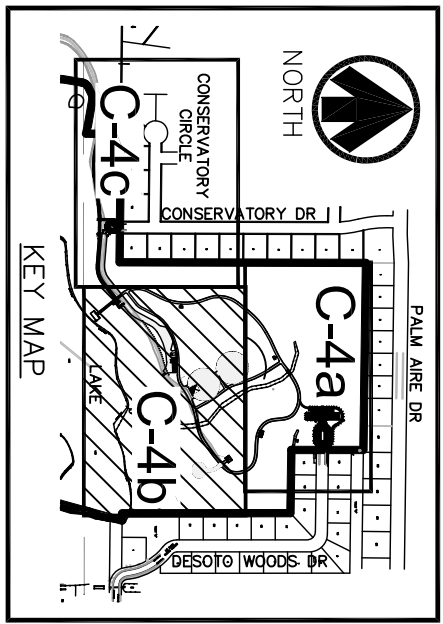
SCALE 1" = 30' SHEET 21110 C-4a	CONSERVATORY PARK BRADENTON, FLORIDA GRADING AND PAVEMENT PLAN		DRAWN: WR DESIGNED: EO CHECKED: AW DATE: 11-22-2011		IBI GROUP, INC. HTTP://WWW.IBIGROUP.COM ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1519 MAIN STREET SARASOTA, FL 34236 PHONE: (941) 954-1718 FAX: (941) 954-0231	REV. DATE DESCRIPTION BY
	J. Wilson Lorenz, P.E. Florida P.E. No. 47815					REV. DATE DESCRIPTION BY



MATCHLINE SEE SHEET C-4c



LOCATION OF PROPOSED TRAIL IS APPROXIMATE. CONSTRUCTION TOP OF TRAIL TO MATCH EXISTING GRADE UNLESS OTHERWISE NOTED ON GRADING PLANS



100 YR ELEVATION = EL. 26.6  
SECTION 34, TOWNSHIP 35 SOUTH, RANGE 18 EAST  
MANATEE COUNTY, FLORIDA

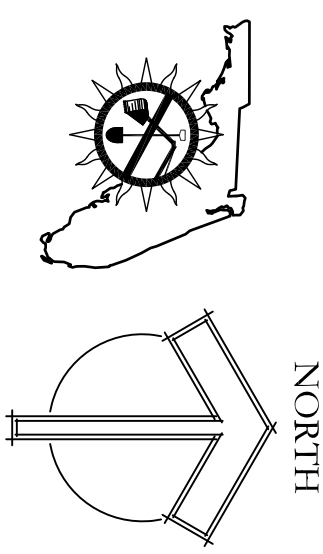
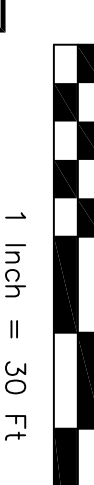
TOP OF BANK AS SHOWN ON SURVEY BY DARRELL E. GERKEN, P.S.M. No. 1747,  
DATED 07/14/99, UPDATED 05/09/92, DRAWING NUMBER 089-01-1747

# L A K E

**SPECIAL RECORD DRAWING REQUIREMENTS:**  
ON AS-BUILT SURVEY, CONTRACTORS SURVEYOR SHALL CREATE BASELINE ALONG CONSTRUCTED INTERNAL ROADWAY AND LOCATE SYSTEM IMPROVEMENTS BY STATION OFFSET PER MANATEE COUNTY STANDARDS. SEE SHEET C-9 FOR RECORD DRAWING NOTES.

**LEGEND**

- EXISTING SPOT ELEVATION
- EXISTING FLOOR ELEVATION
- PROPOSED SPOT ELEVATION AT EDGE OF PAVEMENT
- PROPOSED ASPHALT PAVEMENT
- PROPOSED TRAIL
- PROPERTY LINE
- FINISHED FLOOR ELEVATION
- PROPOSED DRAINAGE FLOW
- PROPOSED ASPHALT PAVEMENT
- PROPOSED TRAIL
- JD-BUFFER
- JD-ACOE
- U.S. ARMY CORPS OF ENGINEERS (ACEQ) JURISDICTIONAL DETERMINATION (JD) LINE
- 75' WATER QUALITY TREATMENT BUFFER
- SWFMD JURISDICTIONAL DETERMINATION (JD) BUFFER LINE
- PROPOSED ASPHALT PAVEMENT
- PROPOSED TRAIL



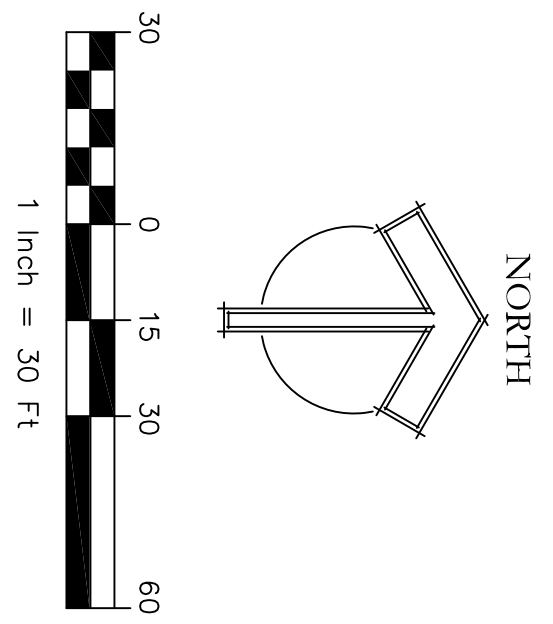
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT JURISDICTIONAL LINE LOCATION SHOWN HEREIN IS BASED ON A JURISDICTIONAL SURVEY BY OTHERS SUPPLIED TO THE UNDERSIGNED.

S.01°01'01"E. 700.56'

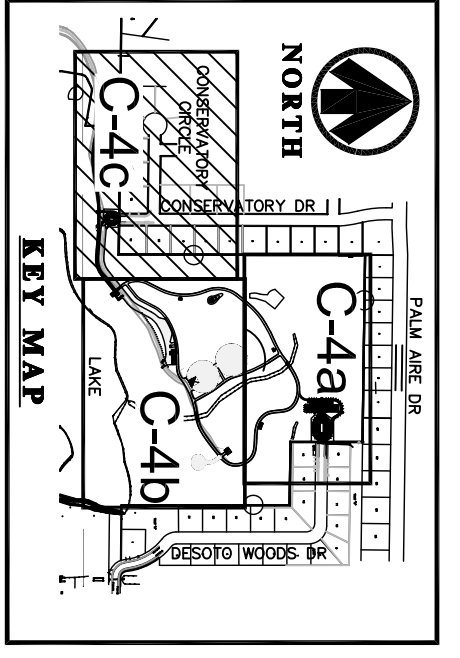
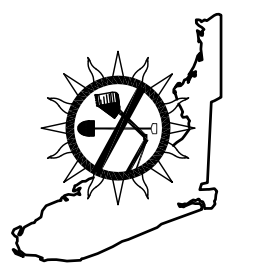
MATCHLINE SEE SHEET C-4a

DRAWN: EO DESIGNED: EO CHECKED: AW DATE: 11-22-2011		<b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM ENGINEERS CERT OF AUTH #2066 SURVEYORS ACHLS610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS		C.C. A.R. E.G.
		1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 954-1718 FAX: (941) 954-0231	REV. DATE DESCRIPTION	BY
SCALE 1" = 30' SHEET 21110 C-4b	CONSERVATORY PARK BRADENTON, FLORIDA GRADING AND PAVEMENT PLAN			

SECTION 34, TOWNSHIP 35 SOUTH, RANGE 18 EAST  
 MANATEE COUNTY, FLORIDA



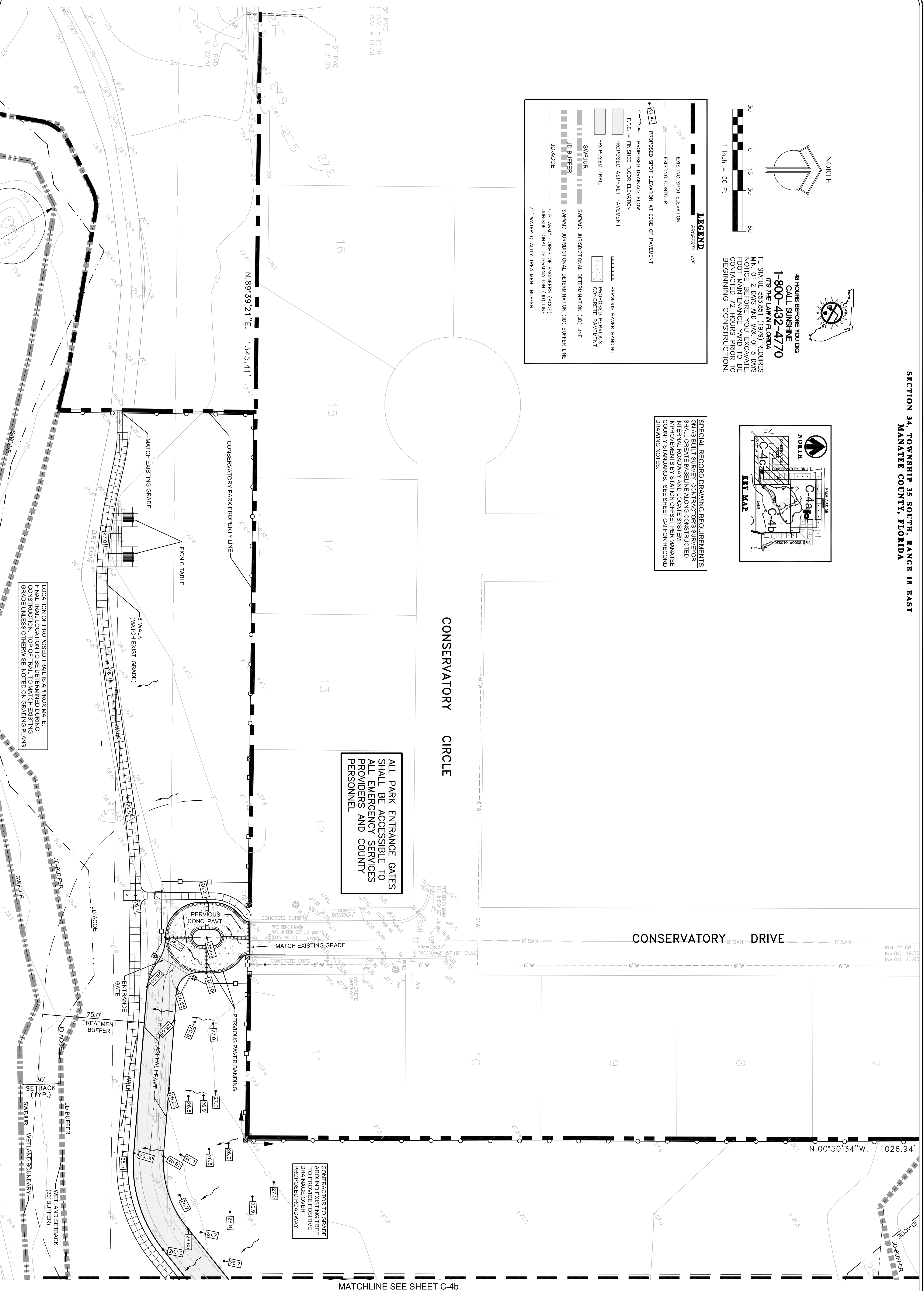
48 HOURS BEFORE YOU DIG  
 CALL SUNSHINE  
 1-800-432-4770  
 ITS THE LAW IN FLORIDA  
 FL. STATUTE 553.851 (1979) REQUIRES  
 MIN. OF 2 DAYS AND MAX. OF 5 DAYS  
 NOTICE BEFORE YOU EXCAVATE.  
 FDOT MAINTENANCE YARD TO BE  
 CONTACTED 72 HOURS PRIOR TO  
 BEGINNING CONSTRUCTION.



**SPECIAL RECORD DRAWING REQUIREMENTS:**  
 ON AS-BUILT SURVEY, CONTRACTOR'S SURVEYOR  
 SHALL CREATE BASELINE ALONG CONSTRUCTED  
 INTERNAL ROADWAY AND LOCATE SYSTEM  
 IMPROVEMENTS BY STATION OFFSET PER MANATEE  
 COUNTY STANDARDS. SEE SHEET C-9 FOR RECORD  
 DRAWING NOTES.

**LEGEND**

	EXISTING SPOT ELEVATION
	PROPERTY LINE
	EXISTING CONTOUR
	PROPOSED SPOT ELEVATION AT EDGE OF PAVEMENT
	PROPOSED DRAINAGE FLOW
	F.F.E. = FINISHED FLOOR ELEVATION
	PROPOSED ASPHALT PAVEMENT
	PROPOSED TRAIL
	SWF-JUR
	SWF-MD
	SWF-MD JURISDICTIONAL DETERMINATION (JD) BUFFER LINE
	JD-BUFFER
	PROPOSED PERVIOUS CONCRETE PAVEMENT
	PREVIOUS PAVEMENT BANDING
	JD-AGOE
	U.S. ARMY CORPS OF ENGINEERS (ACOE) JURISDICTIONAL DETERMINATION (JD) LINE
	75' WATER QUALITY TREATMENT BUFFER



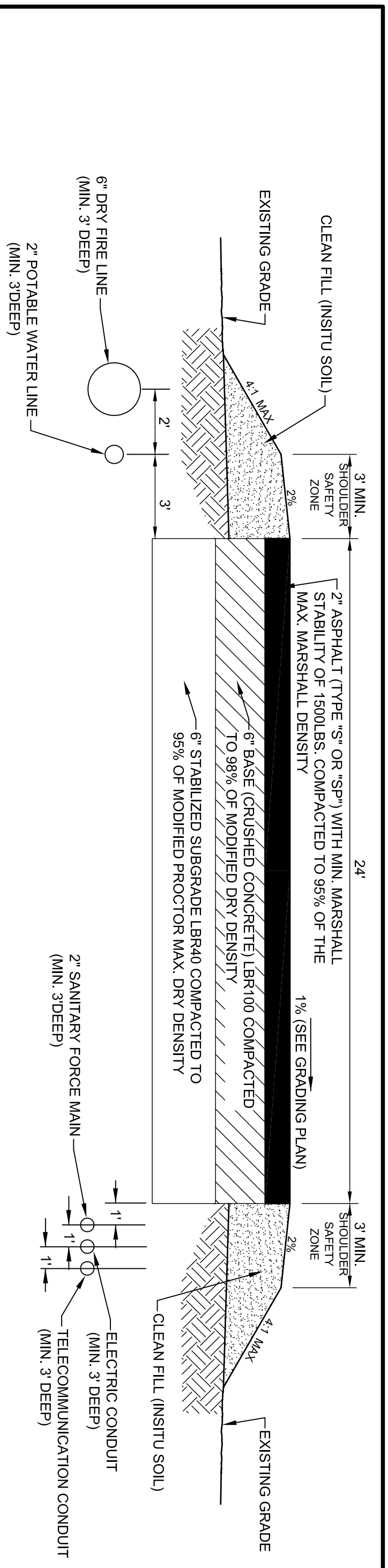
ALL PARK ENTRANCE GATES  
 SHALL BE ACCESSIBLE TO  
 ALL EMERGENCY SERVICES  
 PROVIDERS AND COUNTY  
 PERSONNEL

CONTRACTOR TO GRADE  
 AROUND EXISTING TREE  
 TO PROVIDE POSITIVE  
 DRAINAGE OVER  
 PROPOSED ROADWAY

LOCATION OF PROPOSED TRAIL IS APPROXIMATE.  
 FINAL TRAIL LOCATION TO BE DETERMINED DURING  
 CONSTRUCTION. TOP OF TRAIL TO MATCH EXISTING  
 GRADE UNLESS OTHERWISE NOTED ON GRADING PLANS

MATCHLINE SEE SHEET C-4b

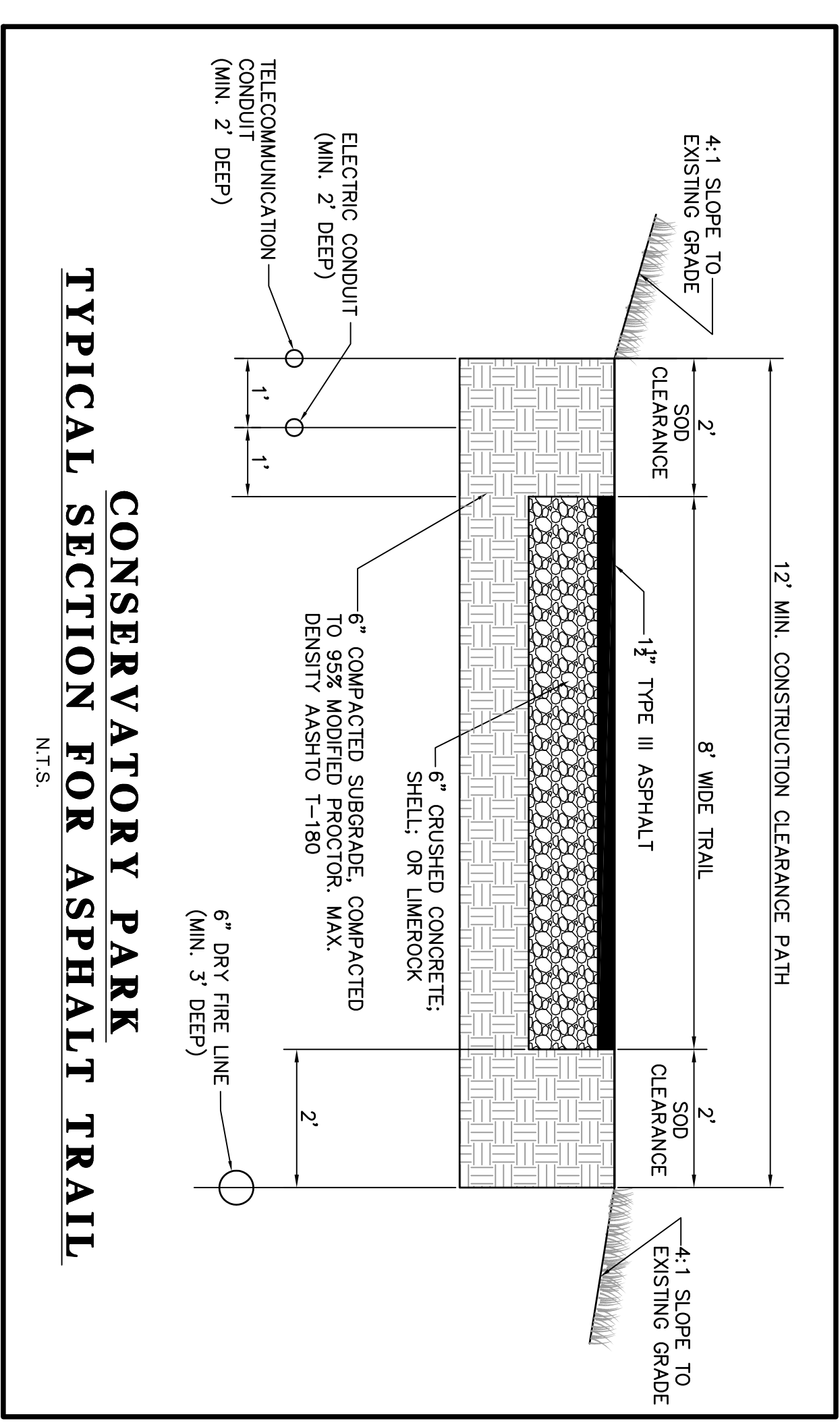
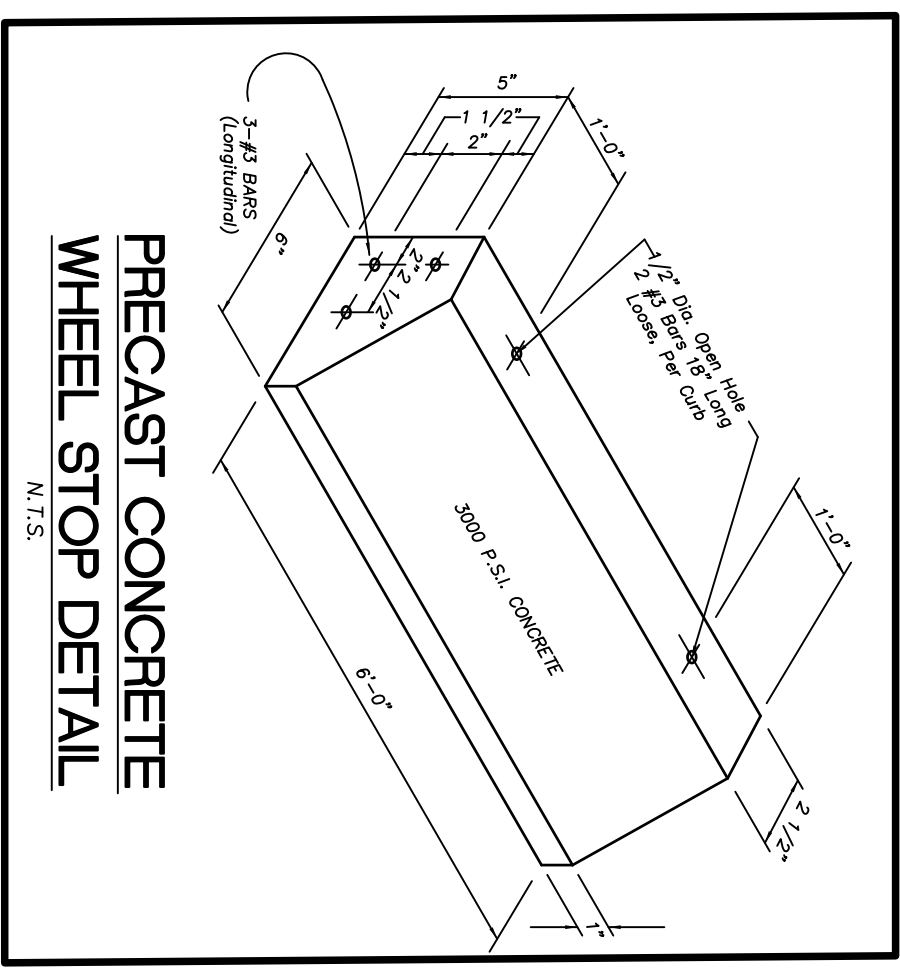
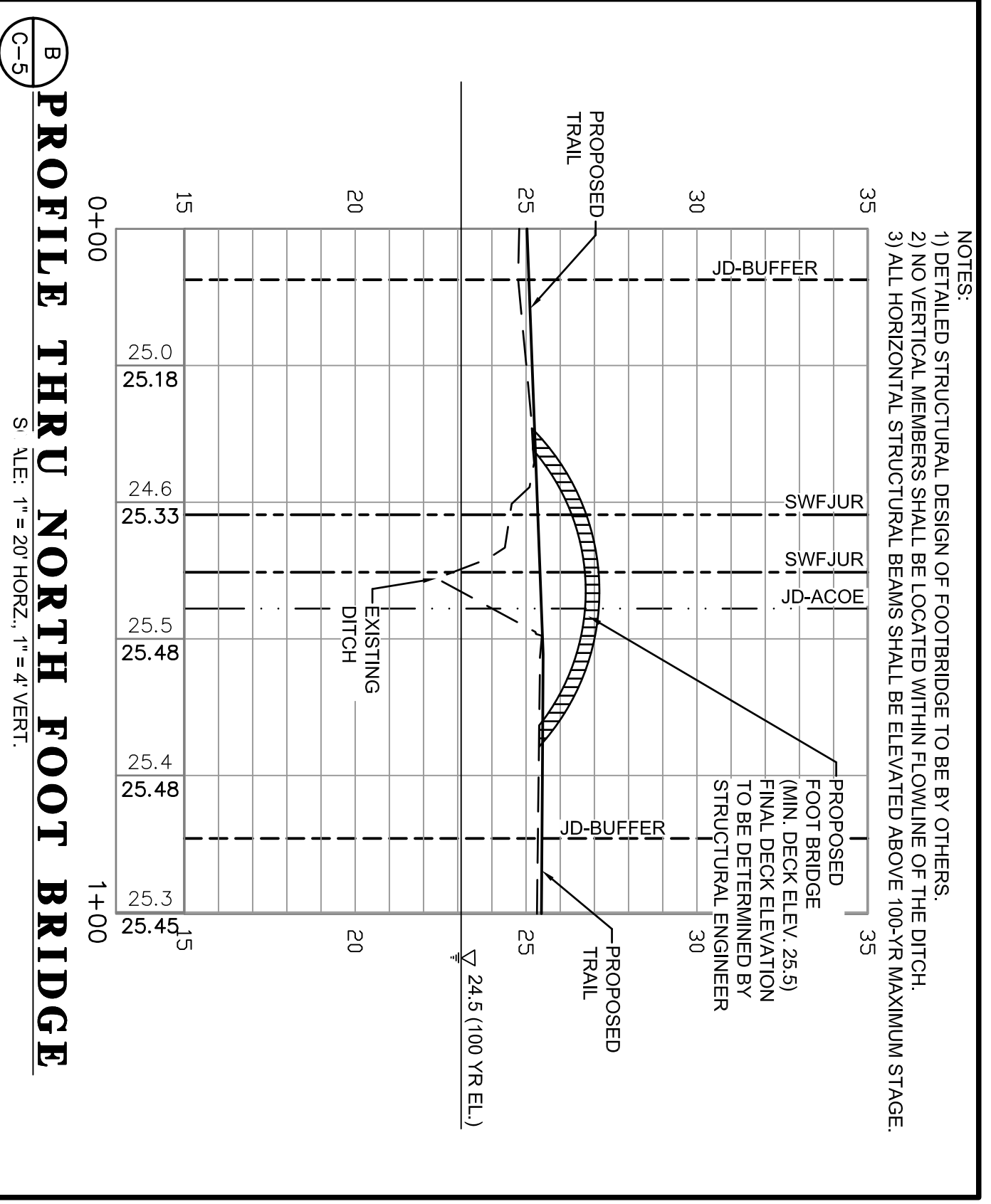
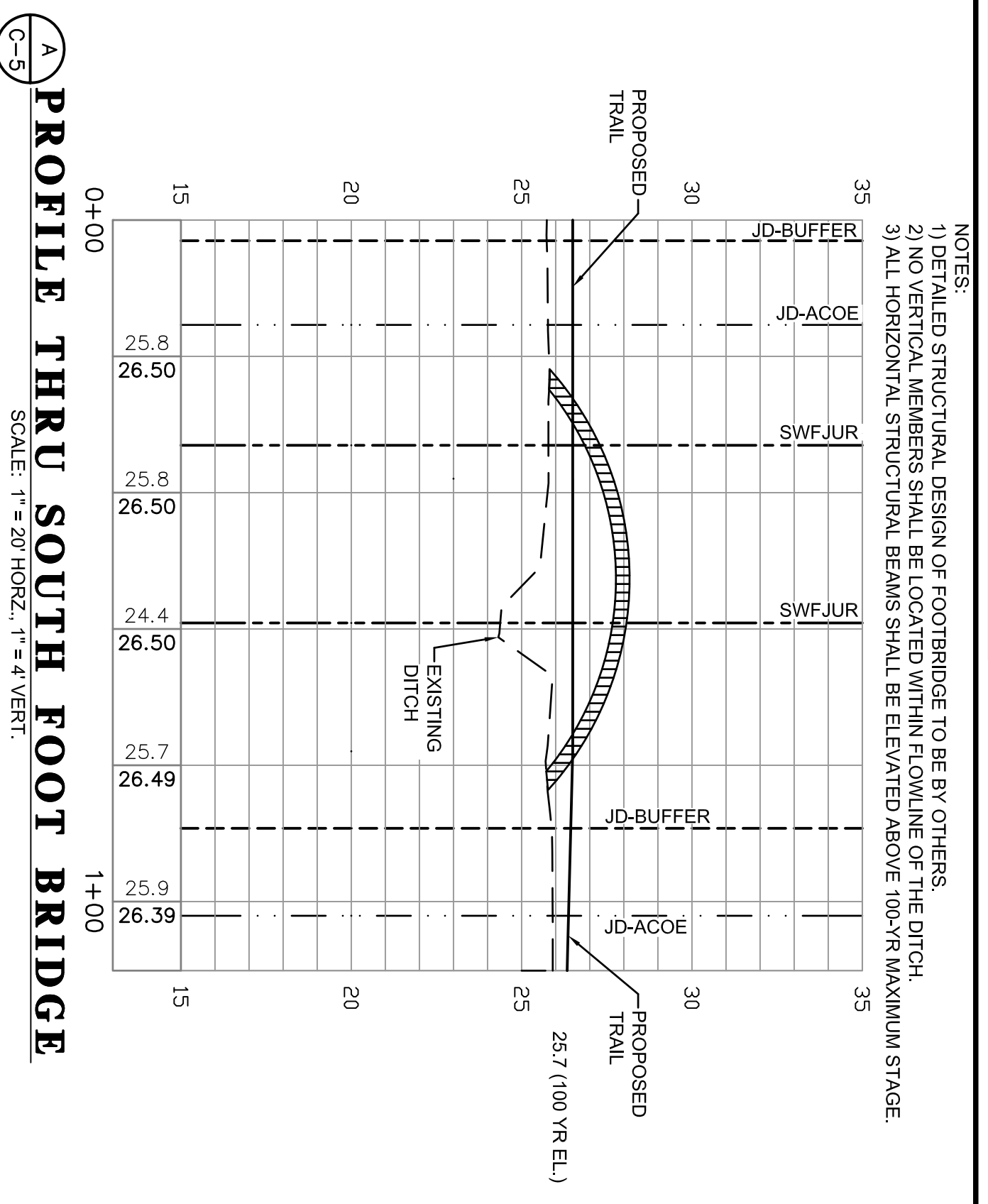
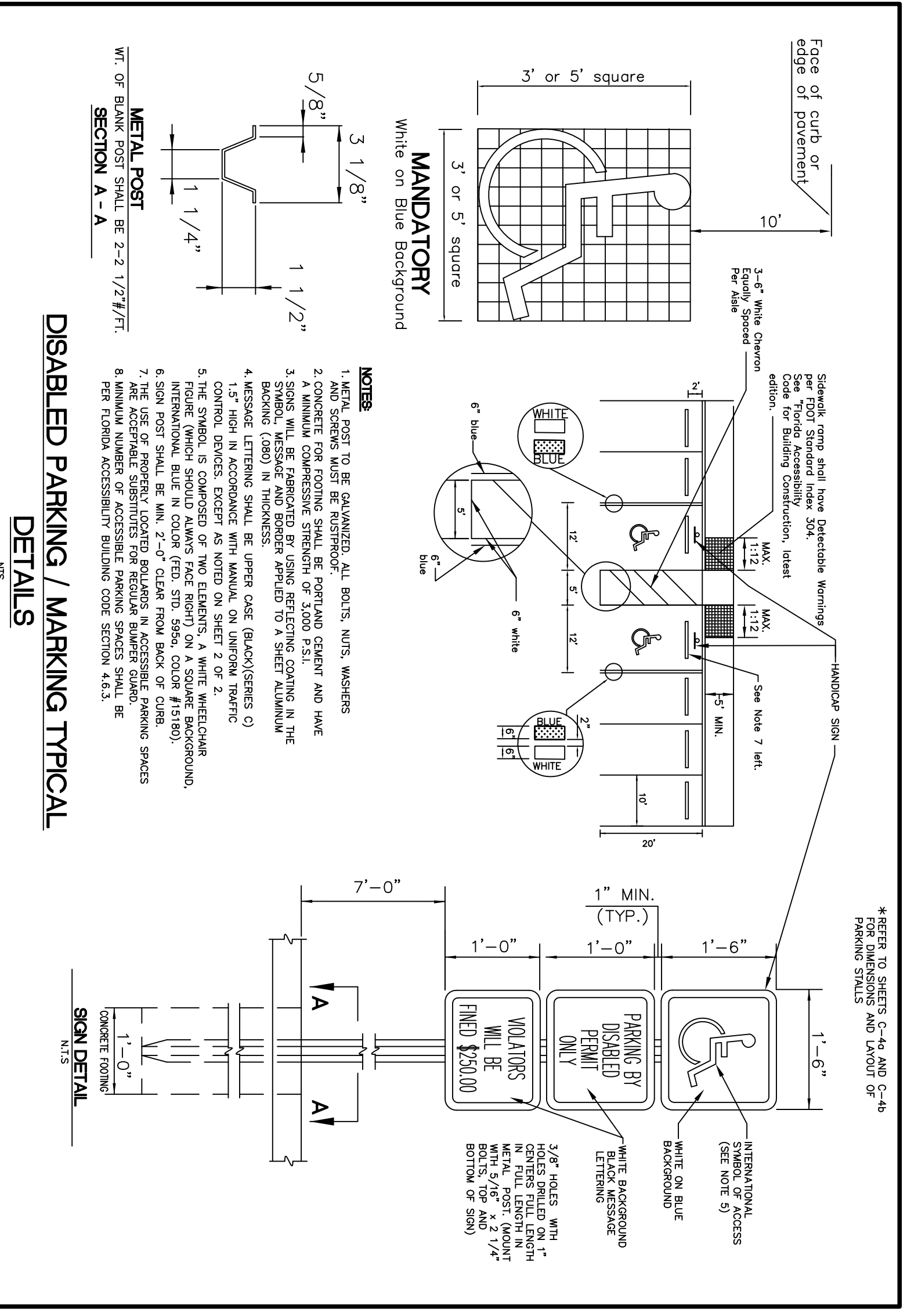
21110 SHEET C-4c	SCALE 1" = 30'	CONSERVATORY PARK BRADENTON, FLORIDA	DRAWN: EO DESIGNED: EO CHECKED: AW DATE: 11-22-2011	J. Wilson Lorenz, P.E. Florida P.E. No. 47815	<b>IBI GROUP</b>	<b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1519 MAIN STREET SARASOTA, FL 34236 PHONE: (941) 954-1718 FAX: (941) 954-0231	REV. DATE DESCRIPTION BY



1. ALL PAVEMENT STRIPING AND TRAFFIC FLOW ARROWS SHALL BE THERMOPLASTIC COMPOUND, MEETING THE REQUIREMENTS OF ASHTO M 249-79 (1989) AND M 287-84 (1990) AND THE REQUIREMENTS OF AASHTO M 318 (1996) AND AASHTO M 326 (1996) AND BROOK CONSTRUCTION 2007, SECTION 711.
2. ALL PROPOSED SIGNS MUST BE APPLIED FOR (BY OTHERS), APPROVED, & PERMITTED BY THE LOCAL GOVERNMENT. THE CONTRACTOR SHALL OBTAIN THE NECESSARY APPROVAL OF THIS SITE PLAN DOES NOT CONSTITUTE APPROVAL OF ANY SIGN, THERMOPLASTIC. THE CONTRACTOR SHALL FINISH THE OWNER WITH THE MANUFACTURER'S CERTIFICATION THAT THE THERMOPLASTIC IS "LEAD-FREE".
3. ALL TRAFFIC STRIPES AND MARKINGS ARE TO BE LEAD-FREE, NON-SOLVENT BASED THERMOPLASTIC. THE CONTRACTOR SHALL FINISH THE OWNER WITH THE MANUFACTURER'S CERTIFICATION THAT THE THERMOPLASTIC IS "LEAD-FREE".

### TYPICAL ASPHALT PAVEMENT SECTION (OTHER THAN EAST ENTRANCE AREA) VEHICULAR USE DRIVEWAY & PARKING

NTS



AS NOTED	SCALE	21110
SHEET		C-5a

DRAWN: WR	DESIGNED: EO	CHECKED: AW	DATE: 11-22-2011
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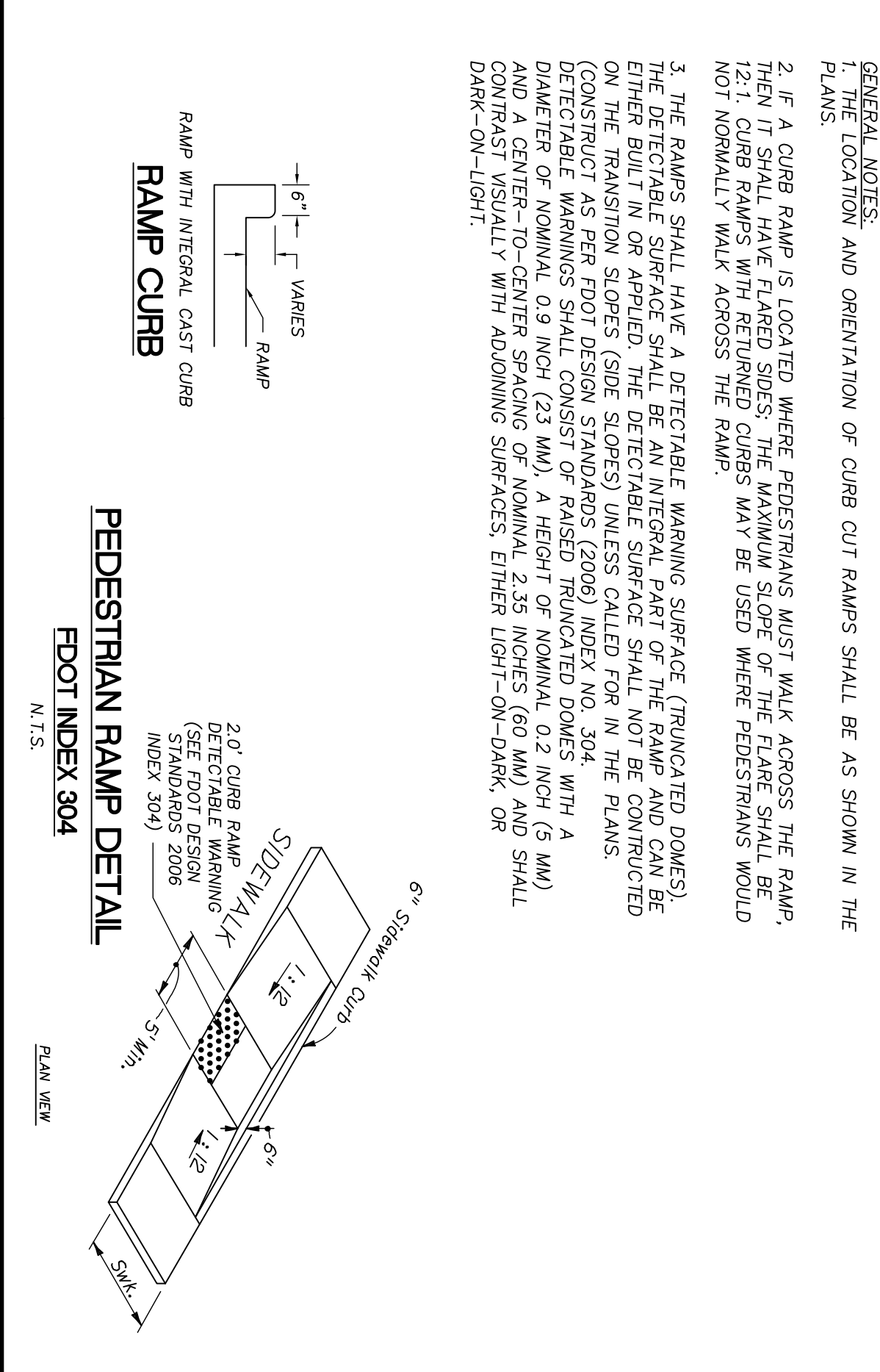
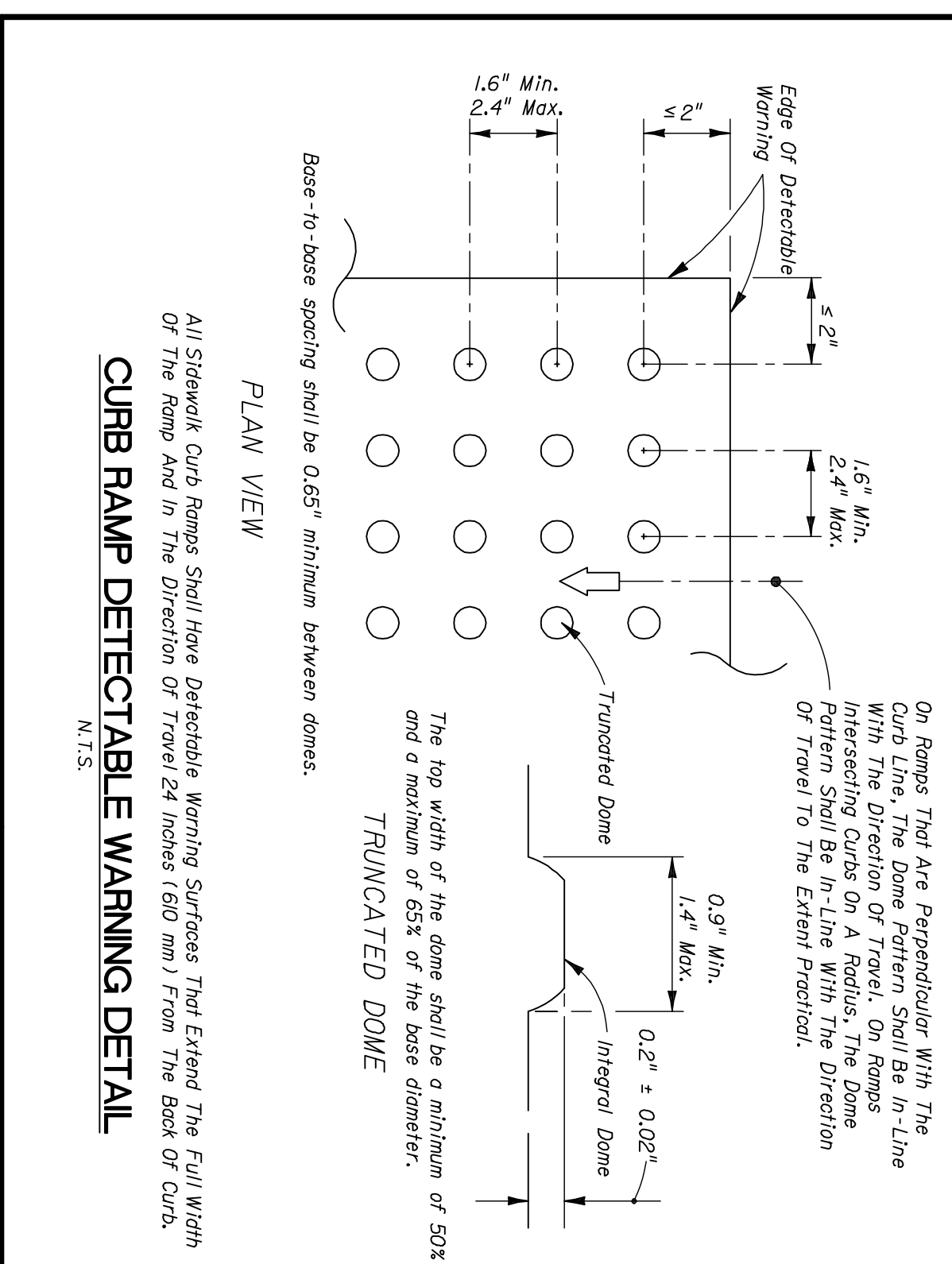
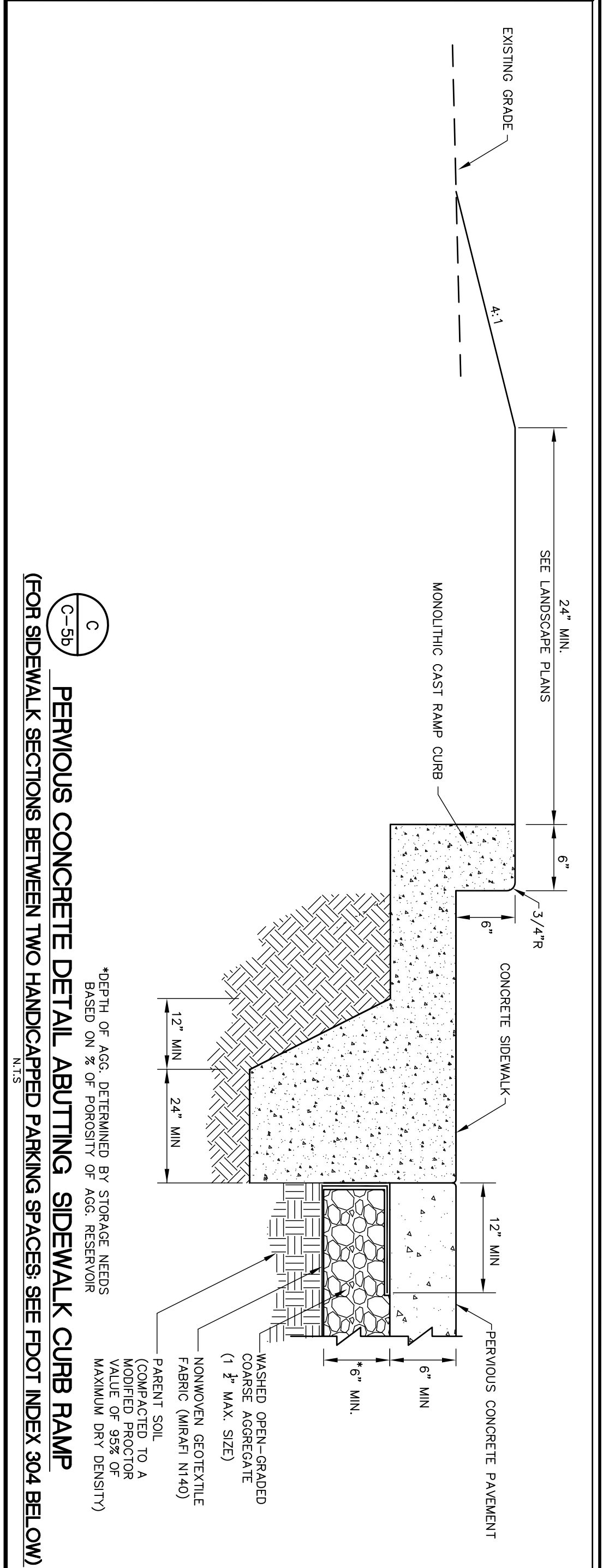
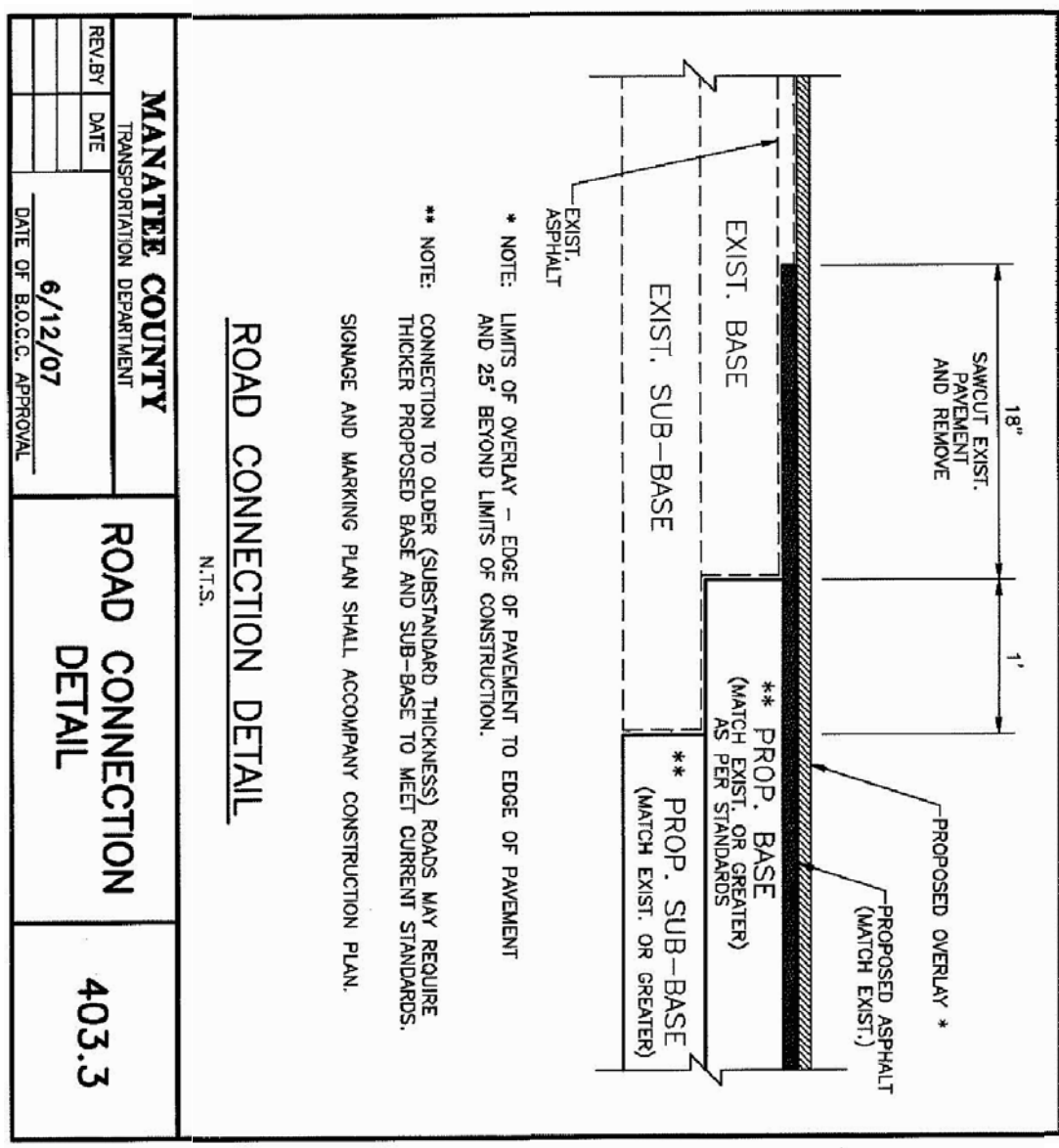
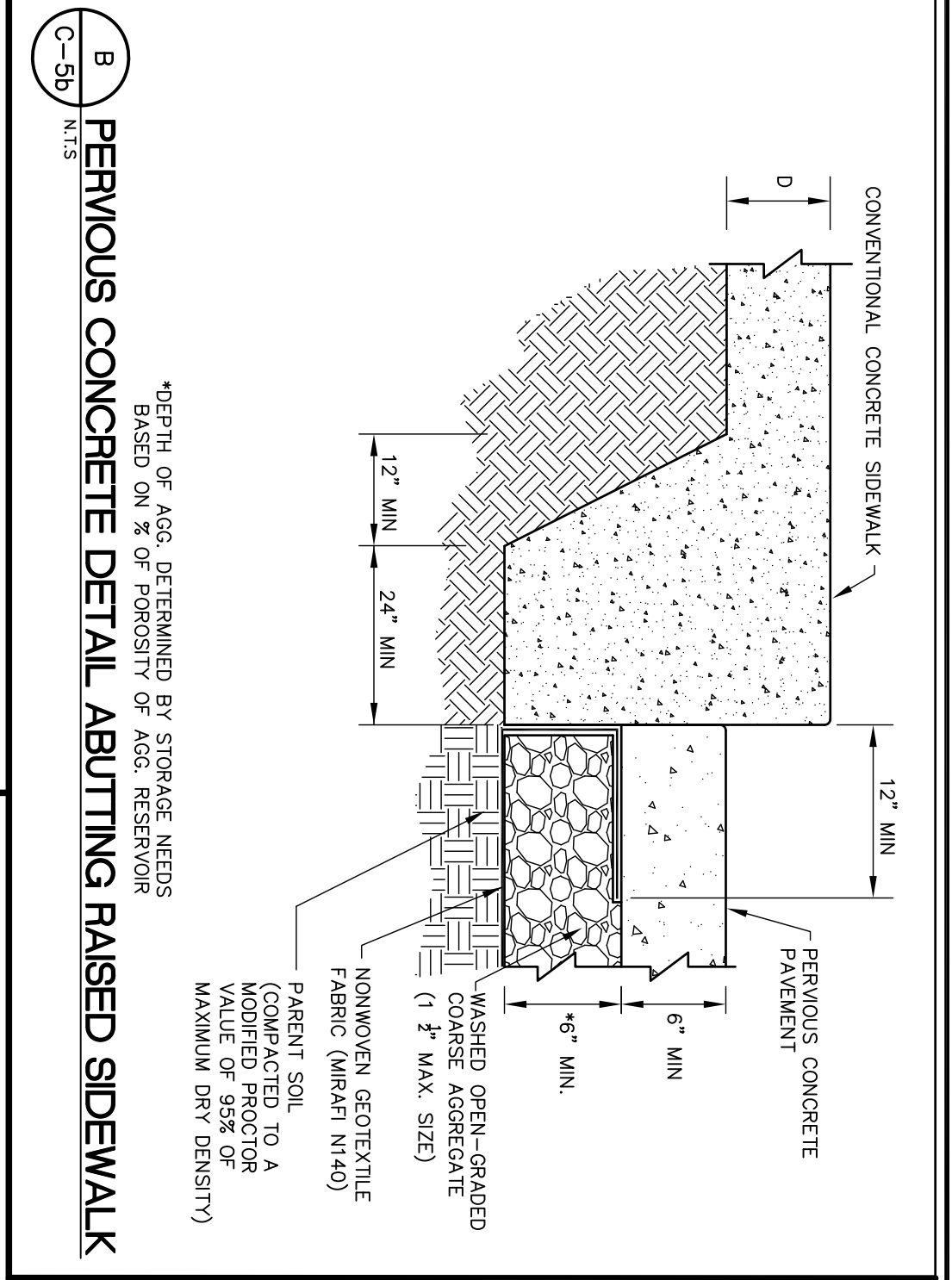
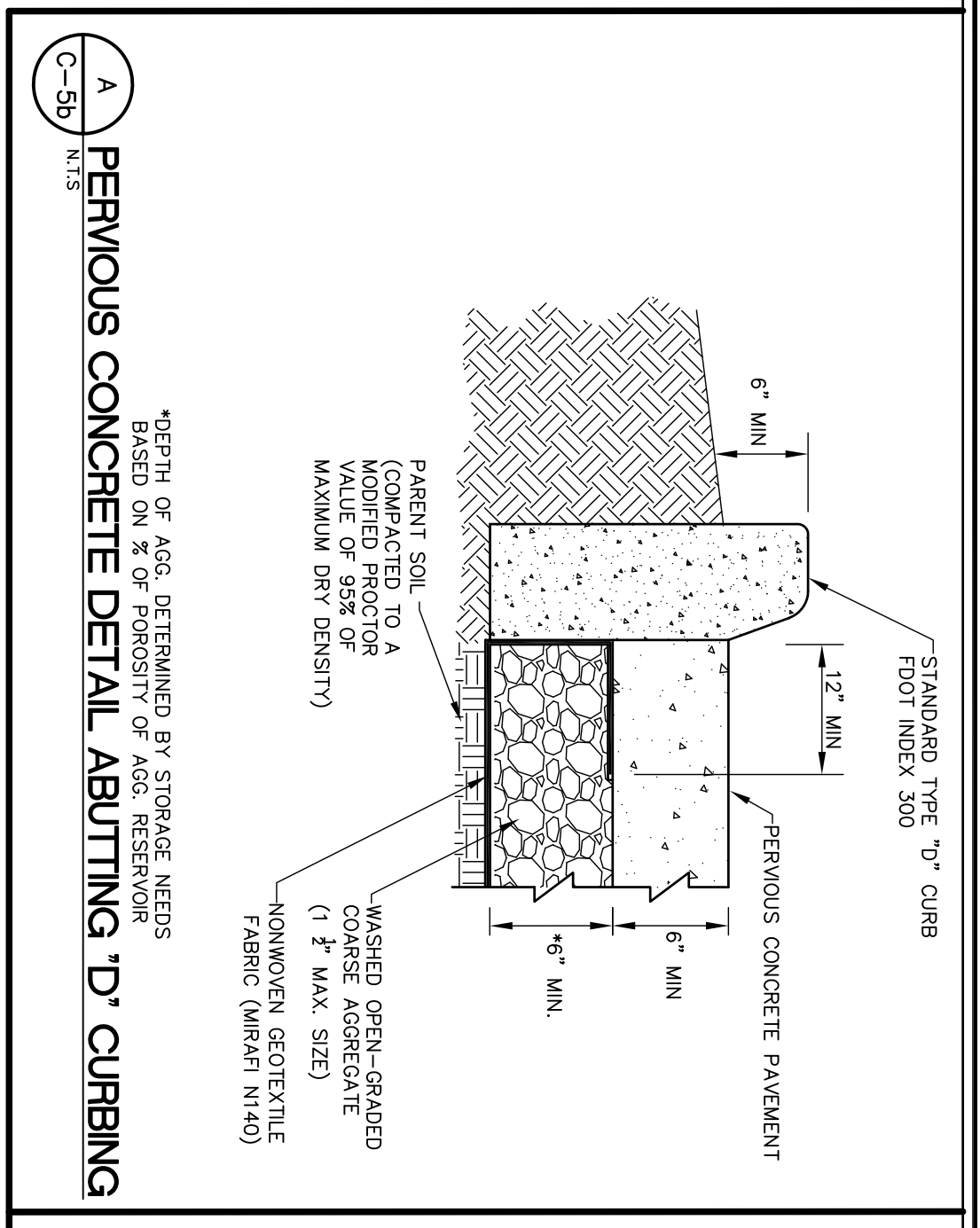
**IBI GROUP**  
 1519 MAIN STREET  
 SARASOTA, FL 34236  
 PHONE: (941) 954-1718  
 FAX: (941) 954-0231

REV.	DATE	DESCRIPTION	BY

CONSERVATORY PARK  
BRADENTON, FLORIDA  
DRAINAGE AND PAVEMENT DETAILS

J. Wilson Lorenz, P.E.  
Florida P.E. No. 47815

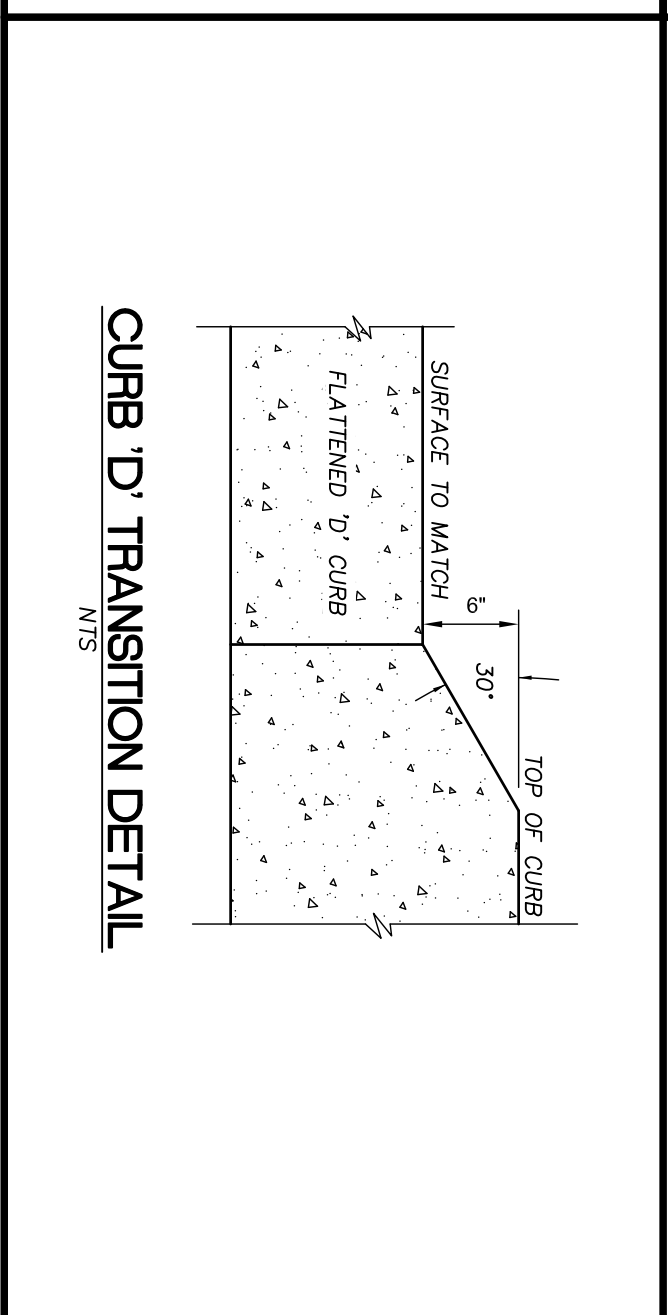
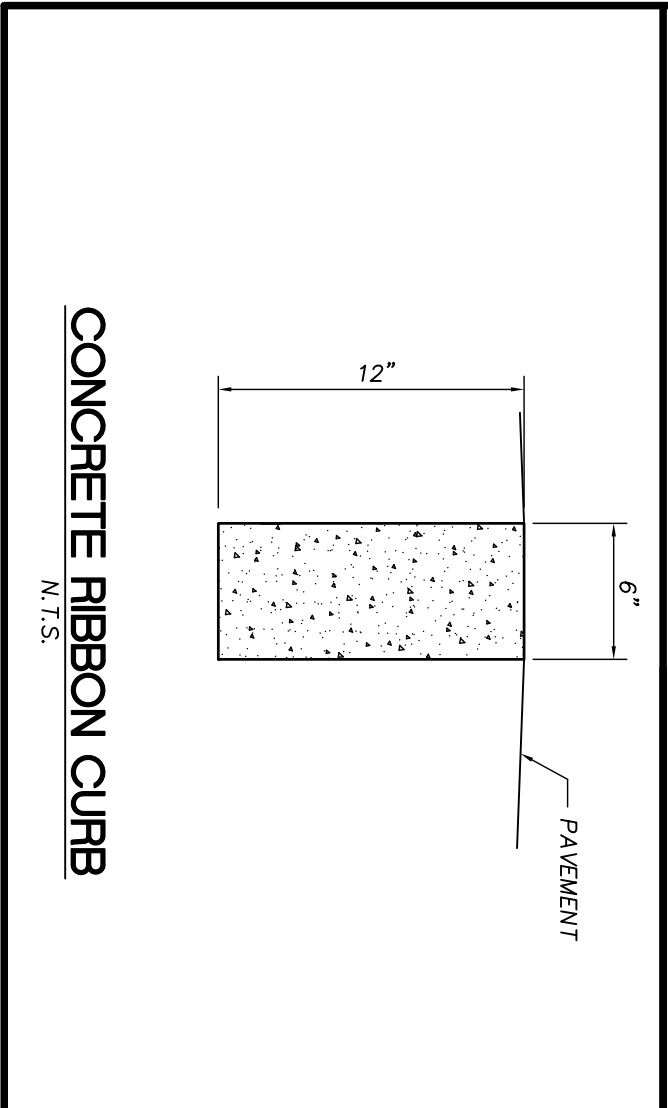
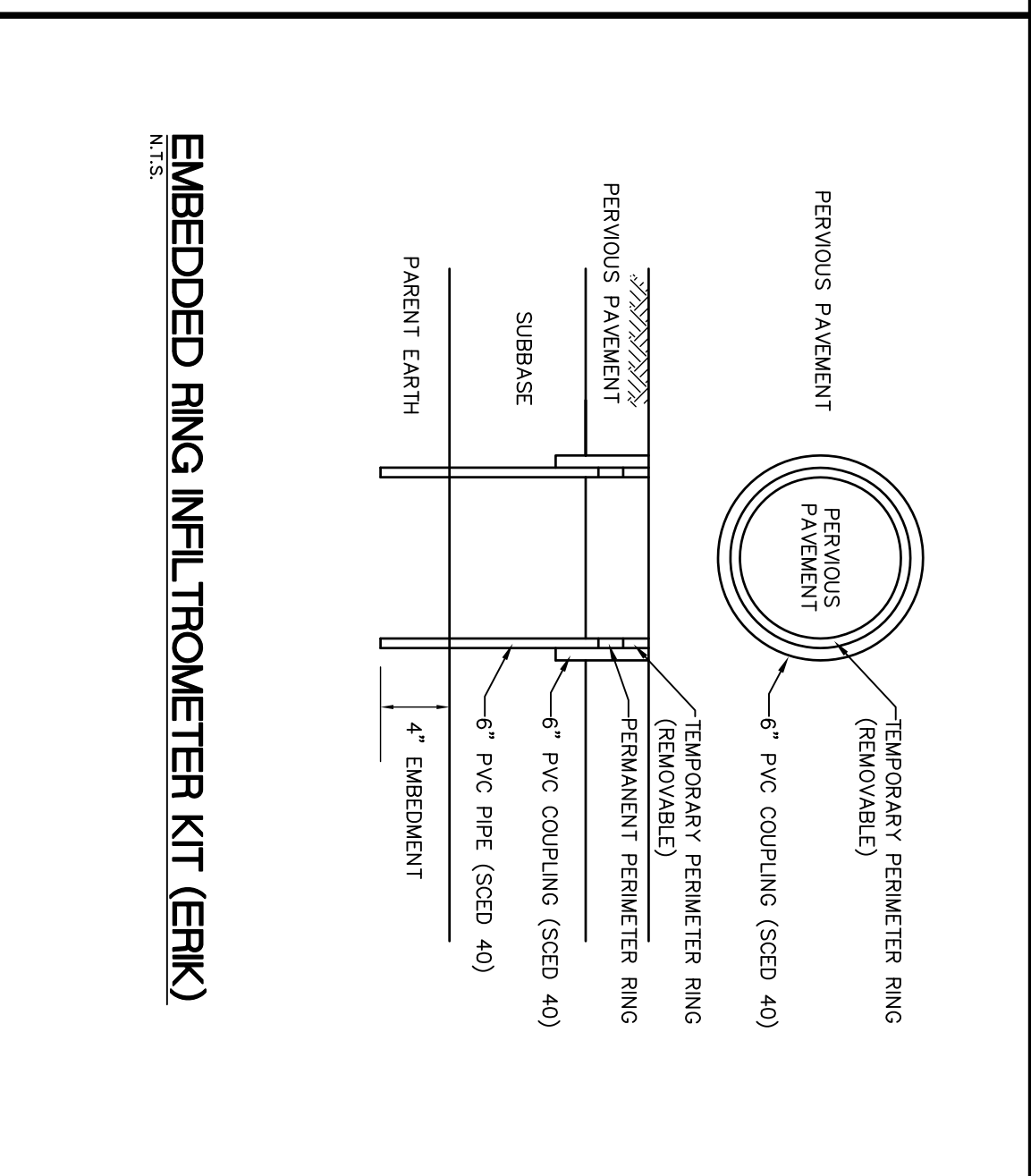
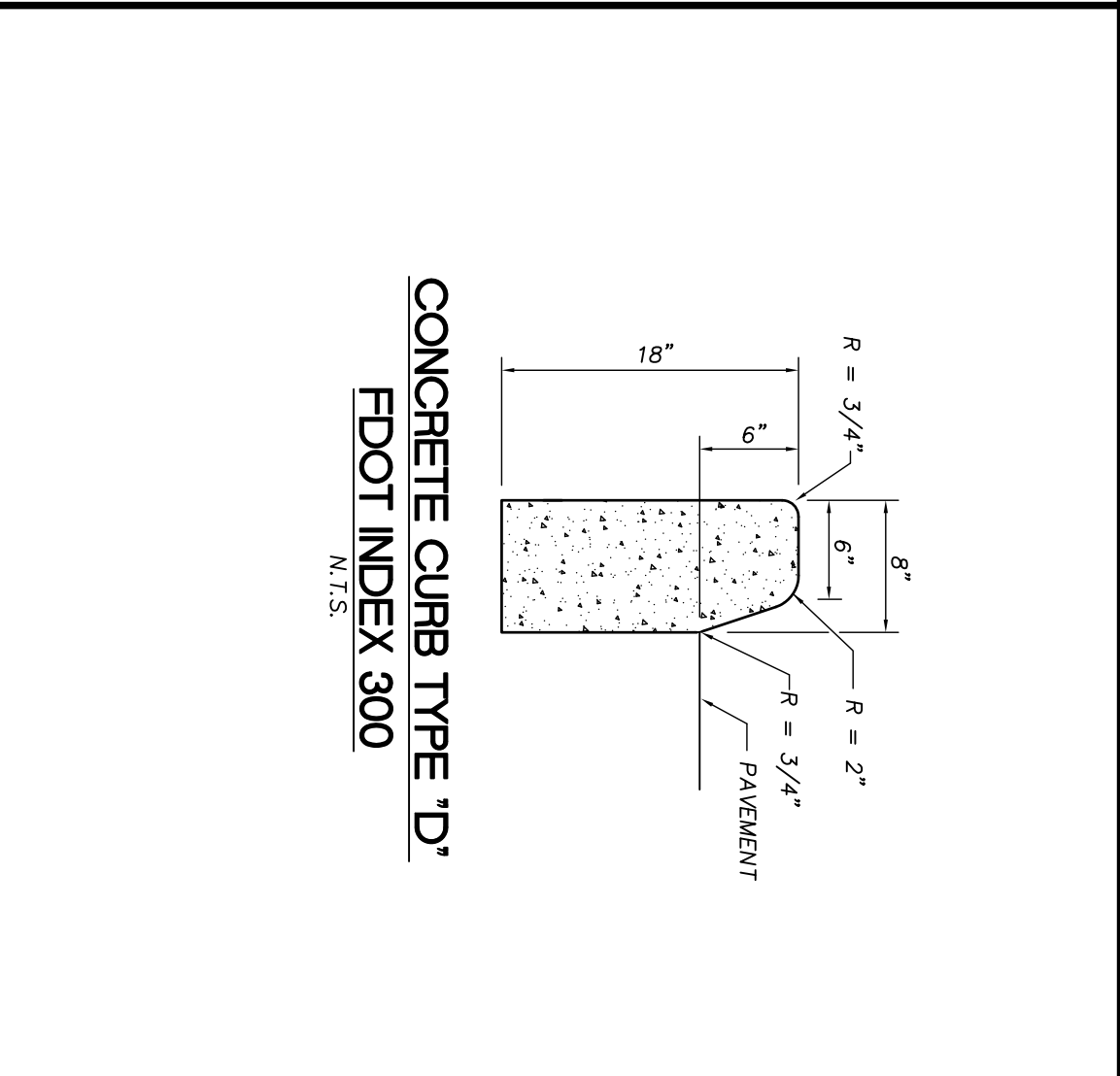
IBI GROUP



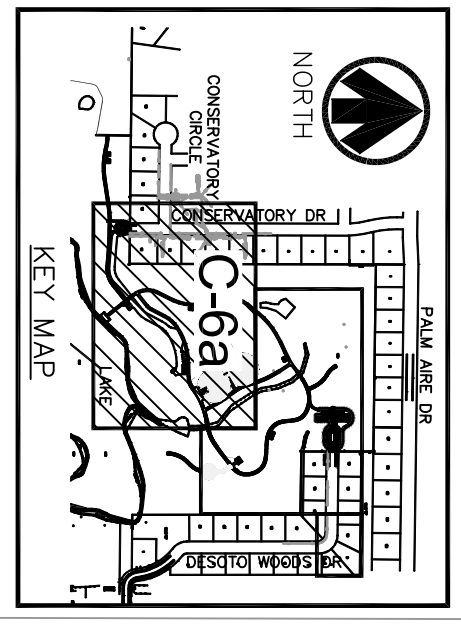
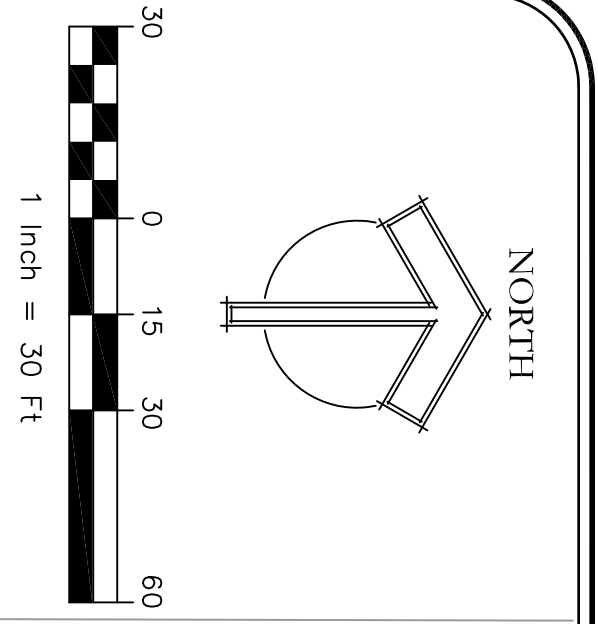
**GENERAL NOTES:**  
 1. THE LOCATION AND ORIENTATION OF CURB CUT RAMPS SHALL BE AS SHOWN IN THE PLANS.  
 2. IF A CURB RAMP IS LOCATED WHERE PEDESTRIANS MUST WALK ACROSS THE RAMP, THEN IT SHALL HAVE FLARED SIDES. THE MAXIMUM SLOPE OF THE FLARE SHALL BE 12:1. CURB RAMPS WITH RETURNED CURBS MAY BE USED WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP.  
 3. THE RAMPS SHALL HAVE A DETECTABLE WARNING SURFACE (TRUNCATED DOMES). THE DETECTABLE SURFACE SHALL BE AN INTEGRAL PART OF THE RAMP AND CAN BE EITHER BUILT IN OR APPLIED. THE DETECTABLE SURFACE SHALL NOT BE CONSTRUCTED ON THE TRANSITION SLOPES (SIDE SLOPES) UNLESS CALLED FOR IN THE PLANS. (CONSTRUCT AS PER FOOT DESIGN STANDARDS (2008) INDEX NO. 304.  
 DETECTABLE MARKINGS SHALL CONSIST OF RAISED TRUNCATED DOMES WITH A DIAMETER OF 0.97 INCHES (25 MM) AND A CENTER-TO-CENTER SPACING OF NOMINALLY 1.6 INCHES (40 MM) AND SHALL CONTRAST VISUALLY WITH ADJOINING SURFACES, EITHER LIGHT-ON-DARK OR DARK-ON-LIGHT.

**PLAN VIEW**  
 All Sidewalk Curb Ramps Shall Have Detectable Warning Surfaces That Extend The Full Width Of The Ramp And In The Direction Of Travel 24 Inches (610 mm) From The Back Of Curb.  
**CURB RAMP DETECTABLE WARNING DETAIL**  
 N.T.S.

**CONCRETE CURB TYPE 'D'**  
 FDOT INDEX 300  
 N.T.S.



DRAWN: WR		DESIGNED: EO		CHECKED: AW		DATE: 11-22-2011	
CONSERVATORY PARK BRADENTON, FLORIDA		DRAINAGE AND PAVEMENT DETAILS		J. Wilson Lorenz, P.E. Florida P.E. No. 47815		IBI GROUP	
SCALE AS NOTED		21110		SHEET C-5b		IBI GROUP, INC. ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1519 MAIN STREET SARASOTA, FL 34236 PHONE: (941) 954-1718 FAX: (941) 954-0231	
REV.	DATE	DESCRIPTION					
		BY					
		E.G.					



CONSERVATORY  
DRIVE

**OFFSITE SURVEY LEGEND**

○	DRAINAGE MANHOLE
○	WIRE PULL BOX
○	CABLE TV BOX
○	TELEPHONE BOX
○	WATER VALVE
○	WATER METER
○	FIRE HYDRANT
○	SANITARY MANHOLE
○	WATER BLOWOFF VALVE
○	CONCRETE MONUMENT FOUND
○	N&D NAIL & DISK FOUND
○	SN&I SIGN
○	LIGHT POLE
○	MAIL BOX
○	CLEAN OUT
○	OAK TREE
○	PINE TREE
○	MISC. TREE
○	SHRUB
○	EXISTING ELEVATION
○	IRON ROD FOUND
○	EXISTING 8" WATER MAIN
○	EXISTING 8" WATER MAIN
○	EXISTING 8" SANITARY SEWER
○	EXISTING UNDERGROUND ELECTRIC CABLE BY FLORIDA POWER & LIGHT

**PROPOSED LEGEND**

○	SANITARY CLEANOUT (INVERT EL.)
○	SEWER FORCE MAIN
○	SEWER GRAVITY MAIN
○	WATER MAIN
○	WATER GATE VALVE W/BOX
○	FIRE HYDRANT
○	YARD HYDRANT
○	WATER REDUCER
○	WATER HOSE BIB/CURB STOP
○	SHUT OFF SERVICE CONNECTION
○	WATER METER
○	ELECTRIC CONDUIT (4")
○	TELEPHONE CONDUIT (4")

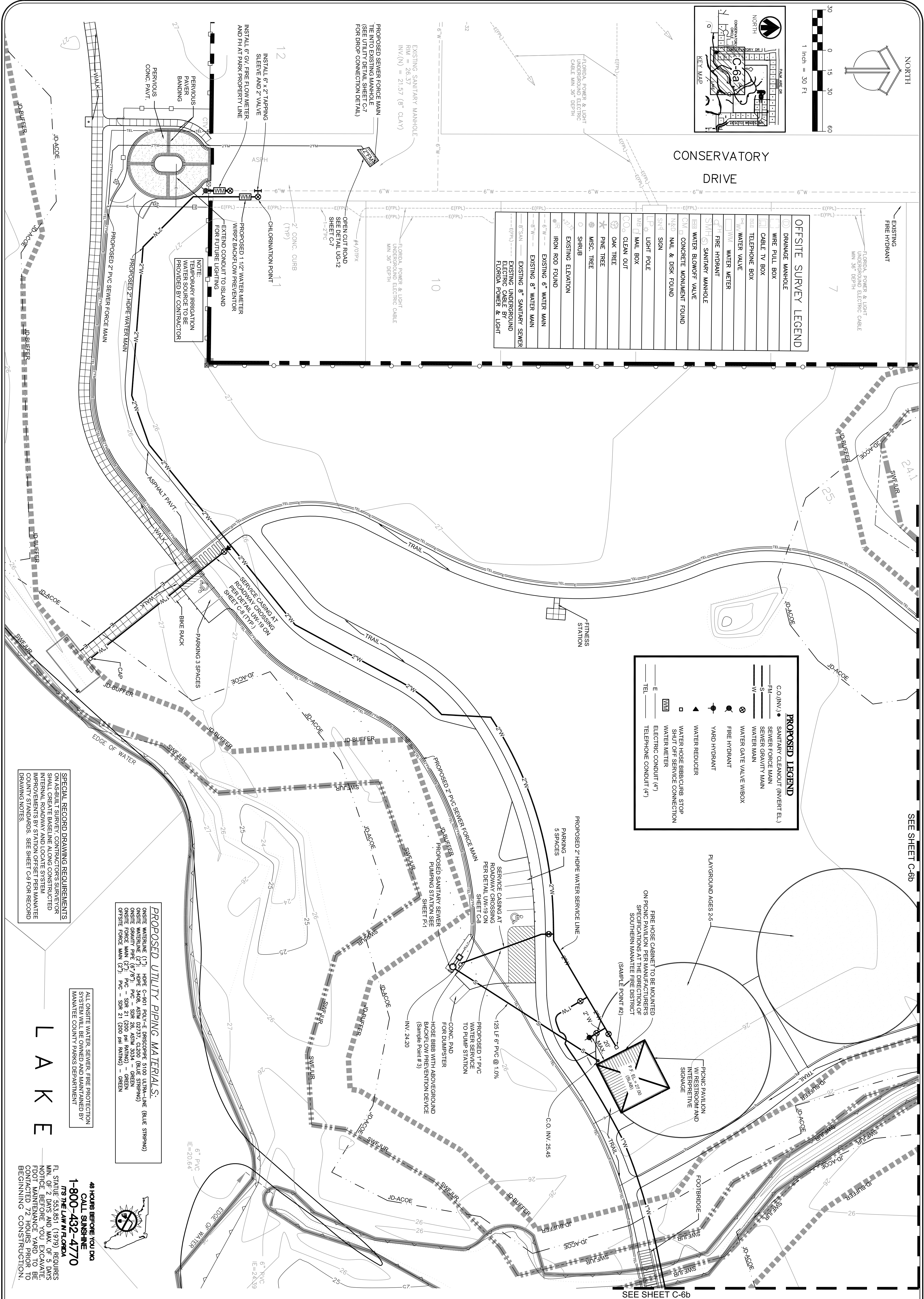
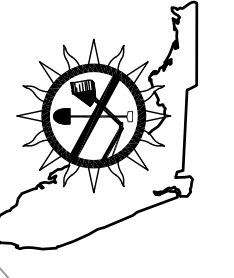
**PROPOSED UTILITY PIPING MATERIALS:**  
 ONSITE WATERLINE (1"): HOPE C-801 POLY-E OBSOLETE 5100 ULTRA-LINE (BLUE STRIPING)  
 ONSITE WATERLINE (2"): HOPE 3408 ASTM D2737, C1200 (BLUE STRIPING)  
 ONSITE GRAVITY PIPE (6"/8"): PVC - SDR 26, ASTM 3034 - GREEN  
 ONSITE FORCE MAIN (2"): PVC - SDR 21 (200 PSI RATING) - GREEN  
 ONSITE FORCE MAIN (2"): PVC - SDR 21 (200 PSI RATING) - GREEN

**SPECIAL RECORD DRAWING REQUIREMENTS**  
 ON AS-BUILT SURVEY, CONTRACTOR'S SURVEYOR SHALL CREATE BASELINE ALONG CONSTRUCTED INTERNAL ROADWAY AND LOCATE SYSTEM IMPROVEMENTS BY STATION OFFSET PER MANATEE COUNTY STANDARDS. SEE SHEET C-6 FOR RECORD DRAWING NOTES.

ALL ONSITE WATER, SEWER, FIRE PROTECTION SYSTEMS WILL BE OWNED AND MAINTAINED BY MANATEE COUNTY PARKS DEPARTMENT

**L A K E**

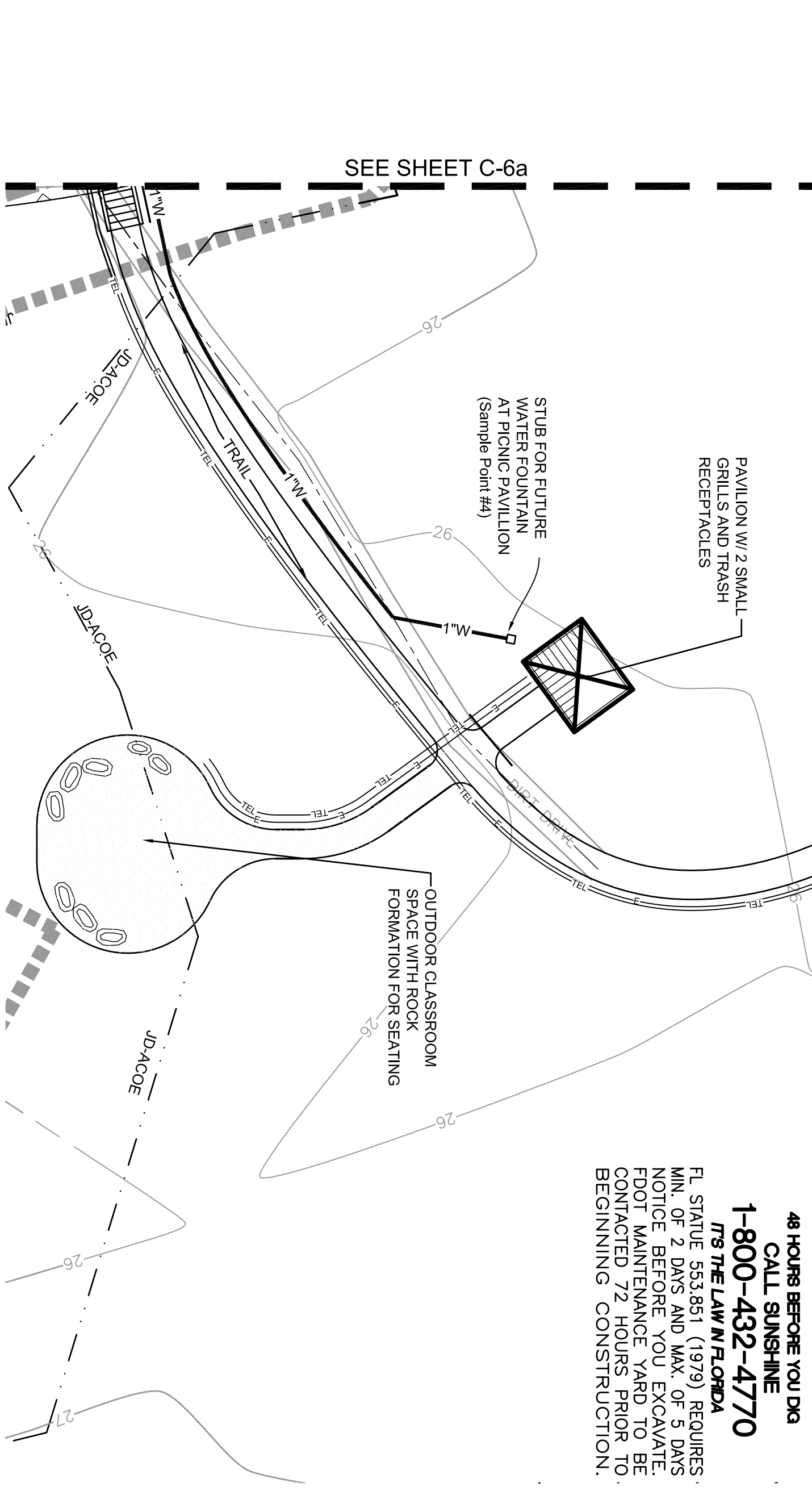
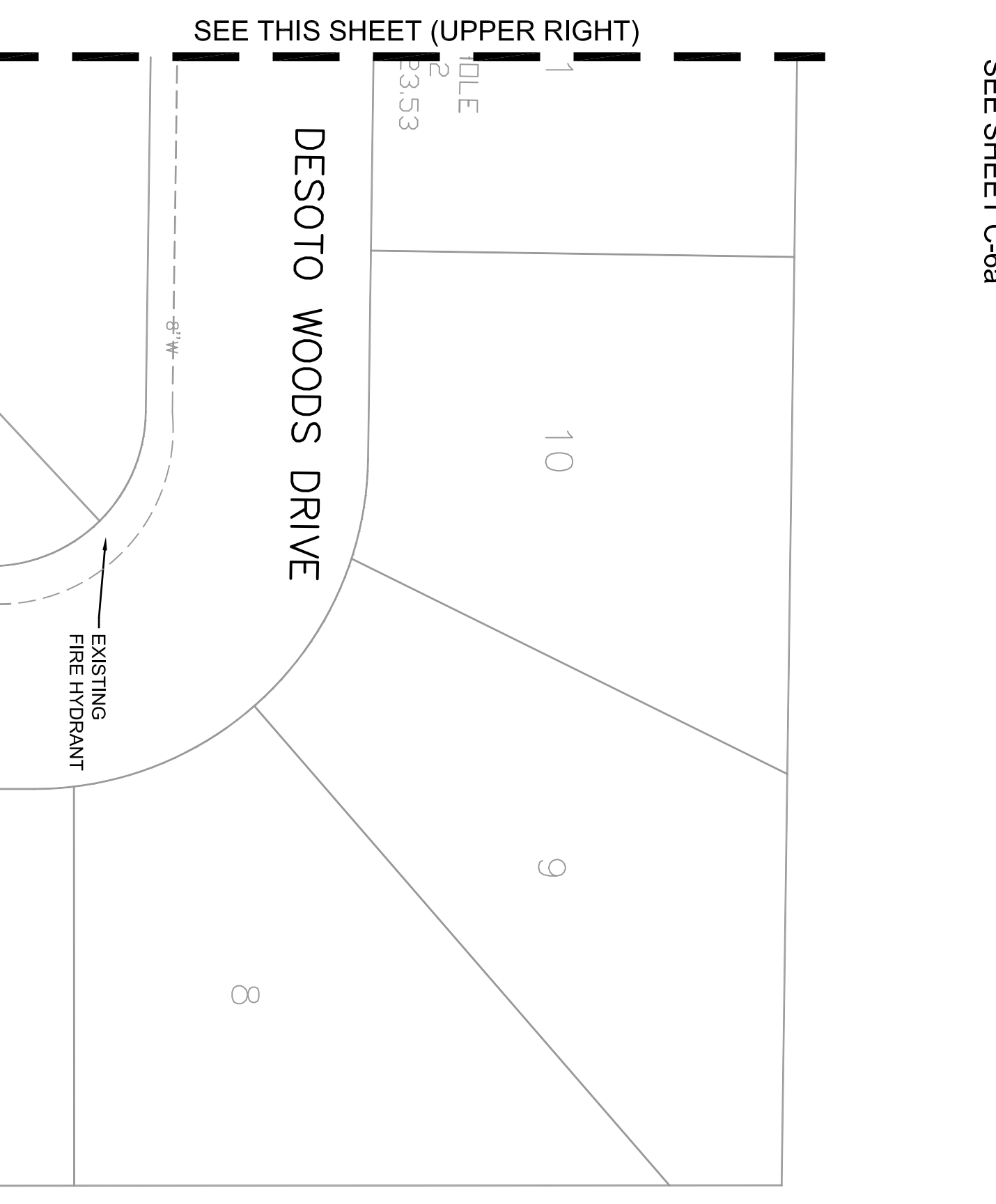
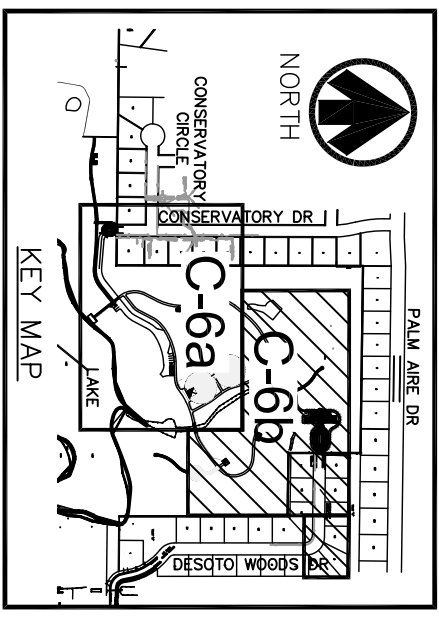
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 1-800-432-4770**  
 THE LAW IN FLORIDA  
 FL. STATUTE 553.851 (1979) REQUIRES MIN. OF 2 DAYS AND MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE. FOOT MAINTENANCE YARD TO BE CONTRACTED 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.



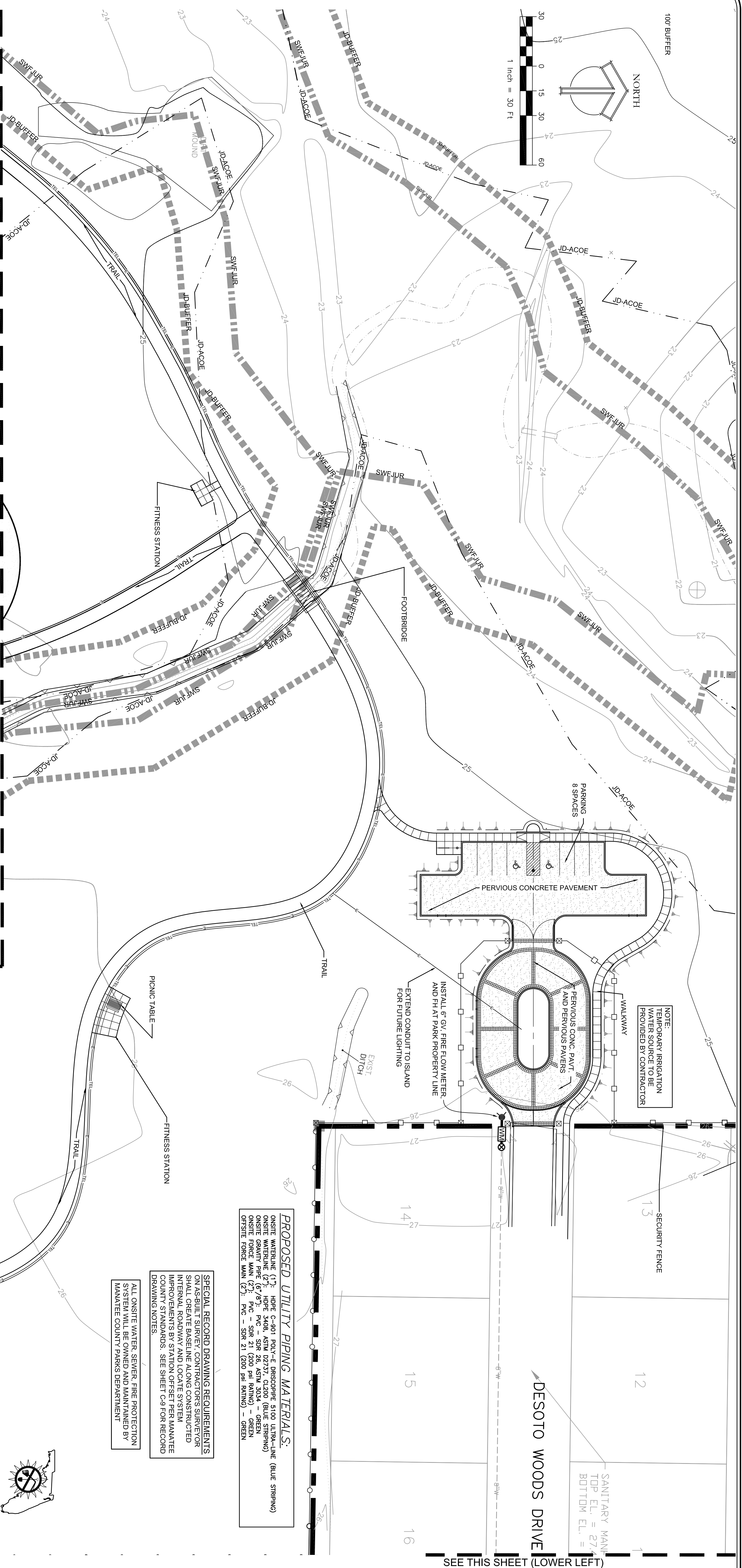
<p>CONSERVATORY PARK BRADENTON, FLORIDA</p> <p>UTILITY PLAN - 1</p>		<p>DRAWN: WR</p> <p>DESIGNED: EO</p> <p>CHECKED: AW</p> <p>DATE: 11-22-2011</p>	<p><b>IBI GROUP</b></p> <p>ENGINEERS CERT OF AUTH #2066          PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <p>421 5th STREET, SUITE B          SARASOTA, FL 34236          PHONE: (941) 954-1718          FAX: (941) 954-0231</p>	<p><b>IBI GROUP, INC.</b>          HTTP://WWW.IBIGROUP.COM</p> <p>ENGINEERS CERT OF AUTH #2066 SURVEYORS ACH185611          PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <table border="1"> <tr><td>REV</td><td>DATE</td><td>DESCRIPTION</td><td>BY</td></tr> <tr><td>1</td><td>4/2/12</td><td>REVISED PER COUNTY COMMENTS</td><td>C.C.</td></tr> <tr><td>2</td><td>1/25/11</td><td>REVISED PER SWP&amp;M &amp; COUNTY COMMENTS</td><td>W.R.</td></tr> <tr><td>3</td><td>7/16/10</td><td>REVISED PER SWP&amp;M &amp; COUNTY COMMENTS</td><td>A.W.</td></tr> <tr><td>4</td><td>4/2/10</td><td>REVISED PER SWP&amp;M &amp; COUNTY COMMENTS</td><td>E.C.</td></tr> </table>	REV	DATE	DESCRIPTION	BY	1	4/2/12	REVISED PER COUNTY COMMENTS	C.C.	2	1/25/11	REVISED PER SWP&M & COUNTY COMMENTS	W.R.	3	7/16/10	REVISED PER SWP&M & COUNTY COMMENTS	A.W.	4	4/2/10	REVISED PER SWP&M & COUNTY COMMENTS	E.C.
REV	DATE	DESCRIPTION	BY																					
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OFFSITE SURVEY LEGEND	
	DRAINAGE MANHOLE
	WIRE PULL BOX
	CABLE TV BOX
	TELEPHONE BOX
	WATER VALVE
	WATER METER
	FIRE HYDRANT
	SANITARY MANHOLE
	WATER BLOWOFF VALVE
	CONCRETE MONUMENT FOUND
	NAIL & DISK FOUND
	SIGN
	LIGHT POLE
	MAIL BOX
	CLEAN OUT
	OAK TREE
	PINE TREE
	MISC. TREE
	SHRUB
	EXISTING ELEVATION
	IRON ROD FOUND
	EXISTING 6" WATER MAIN
	EXISTING 8" WATER MAIN
	EXISTING 8" SANITARY SEWER

PROPOSED LEGEND	
	SANITARY CLEANOUT (INVERT EL.)
	SEWER FORCE MAIN
	SEWER GRAVITY MAIN
	WATER MAIN
	WATER GATE VALVE W/BOX
	FIRE HYDRANT
	WATER REDUCER
	WATER HOSE BIB/CURB STOP
	SHUT OFF SERVICE CONNECTION
	WATER METER
	ELECTRIC CONDUIT (4")
	TELEPHONE CONDUIT (4")



SCALE	1" = 30'
SHEET	21110
	C-6b



**PROPOSED UTILITY PIPING MATERIALS:**  
 ONSITE WATERLINE (12"): HDPE C-901 POLY-E PRISCOPEPE 5100 ULTRA-LINE (BLUE STRIPING)  
 ONSITE WATERLINE (24"): HDPE 3408, ASTM D2737, CL200 (BLUE STRIPING)  
 ONSITE GRAVITY PIPE (6"/8"): PVC - SDR 26, ASTM 3034 - GREEN  
 ONSITE FORCE MAIN (24"): PVC - SDR 21 (200 PSI RAINING) - GREEN  
 ONSITE FORCE MAIN (24"): FVC - SDR 21 (200 PSI RAINING) - GREEN

**SPECIAL RECORD DRAWING REQUIREMENTS**  
 ON-SITE SURVEY CONDUCTED BY DESOTO COUNTY SHALL OPERATE BASELINE AND LOCATE SYSTEM IMPROVEMENTS BY STATION OFFSET PER MANATEE COUNTY STANDARDS. SEE SHEET C-9 FOR RECORD DRAWING NOTES.

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**IT'S THE LAW IN FLORIDA**  
 FL. STATUTE 553.851 (1979) REQUIRES MIN. OF 2 DAYS AND MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE. FOOT MAINTENANCE YARD TO BE CONTRACTED 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.

NOTE:  
 TEMPORARY IRRIGATION WATER SOURCE TO BE PROVIDED BY CONTRACTOR

INSTALL 6" GV. FIRE FLOW METER AND FH AT PARK PROPERTY LINE AND EXTEND CONDUIT TO ISLAND FOR FUTURE LIGHTING

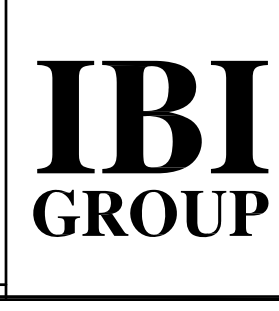
SANITARY MANHOLE  
 TOP EL. = 27.1  
 BOTTOM EL. = 27.1

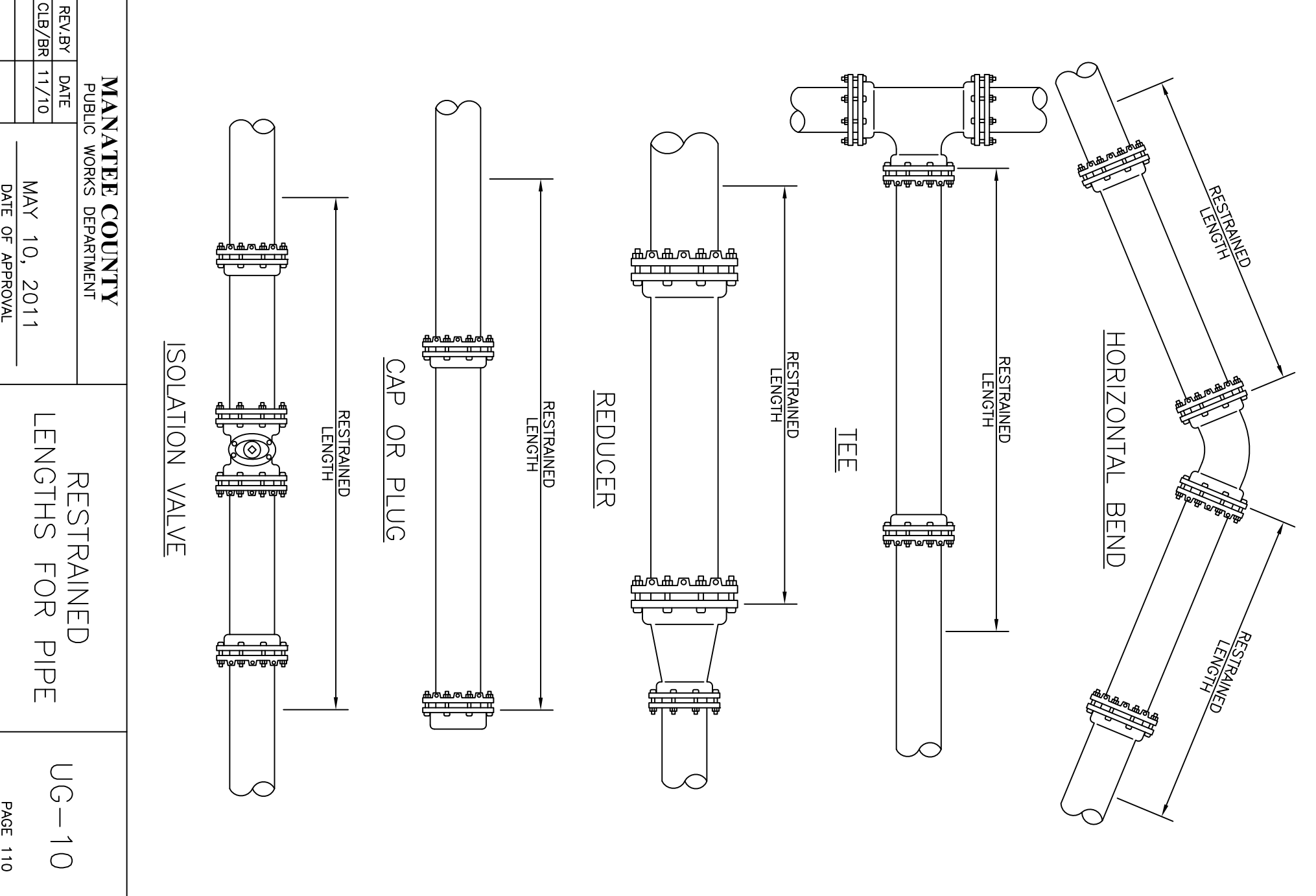
<b>IBI GROUP, INC.</b>		ENGINEERS CERT OF AUTH #2066		SURVEYORS ACH#LS616	
PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS		421 5th STREET, SUITE B		SARASOTA, FL 34236	
PHONE: (941) 954-1718		FAX: (941) 954-0231			
REV	DATE	DESCRIPTION	BY		
1	4/2/12	REVISED PER COUNTY COMMENTS	C.C.		
2	1/25/11	REVISED PER SWPMD & COUNTY COMMENTS	W.R.		
3	7/16/10	REVISED PER SWPMD & COUNTY COMMENTS	A.W.		
4	4/20/10	REVISED PER SWPMD & COUNTY COMMENTS	E.C.		

CONSERVATORY PARK  
 BRADENTON, FLORIDA

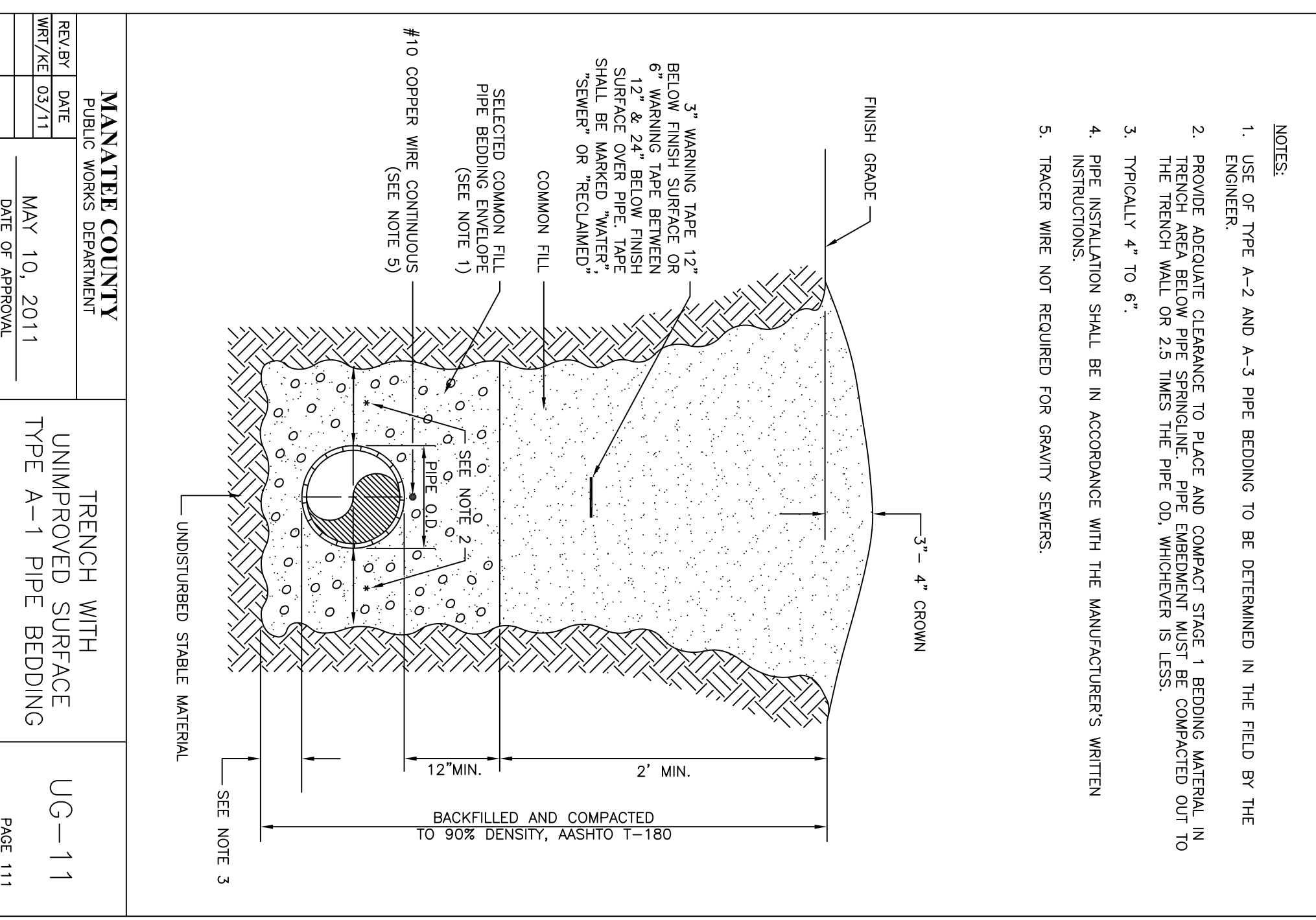
UTILITY PLAN - 2

DRAWN:	WR
DESIGNED:	EO
CHECKED:	AW
DATE:	11-22-2011

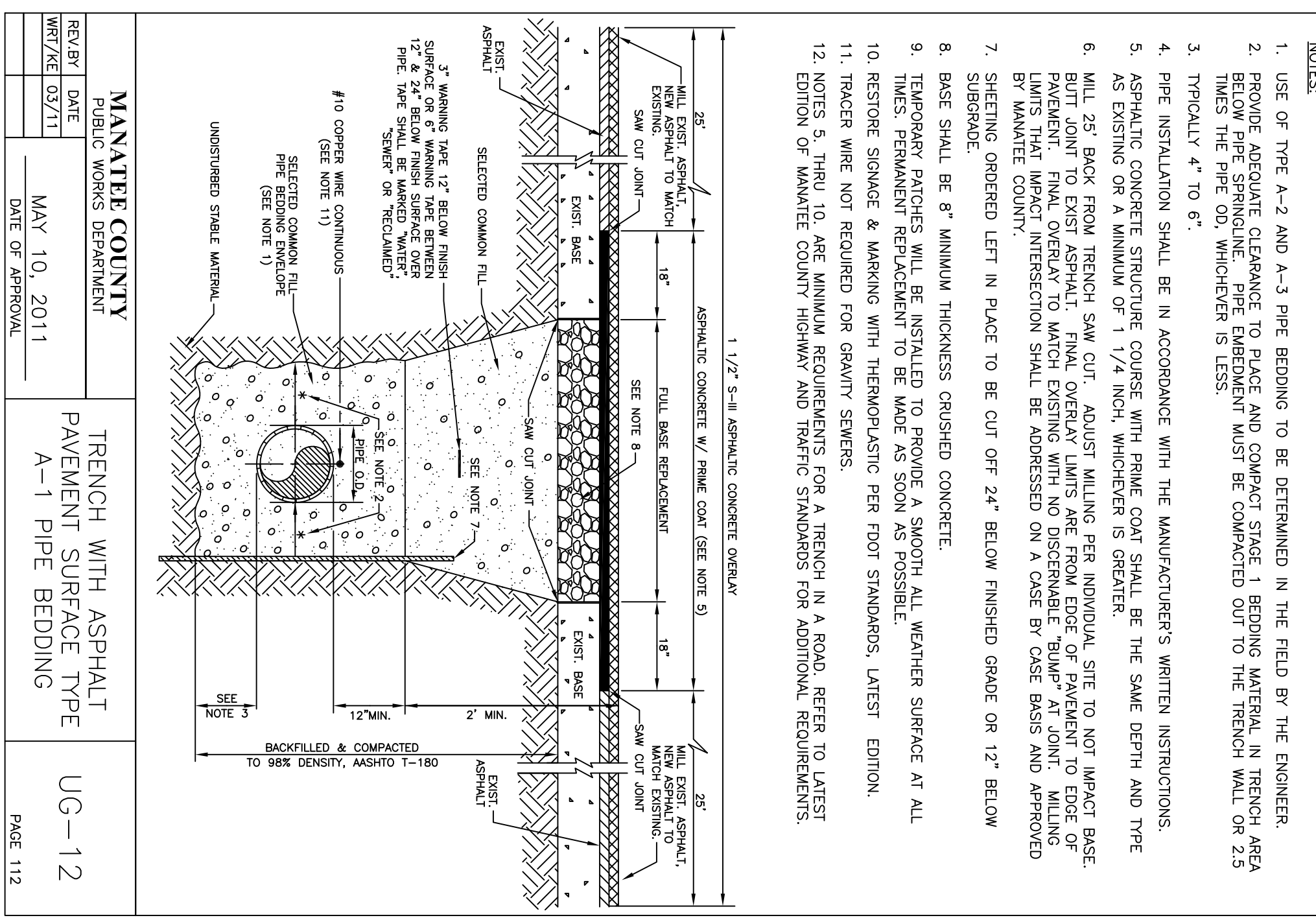




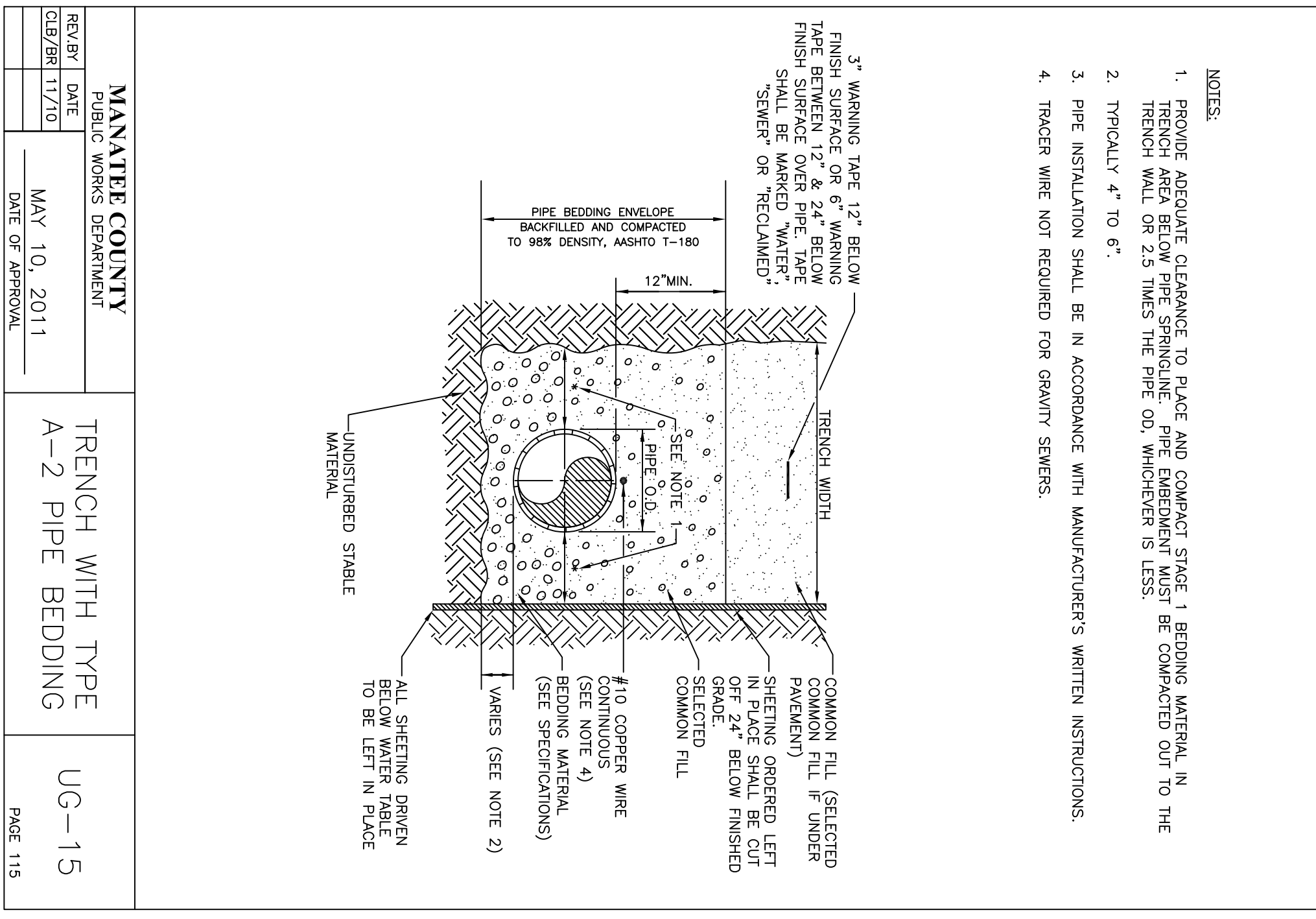
MANATEE COUNTY PUBLIC WORKS DEPARTMENT	RESTRAINED LENGTHS FOR PIPE	UG-10
REV/RY DATE CLB/BR 11/10	MAY 10, 2011	DATE OF APPROVAL
PAGE 110		



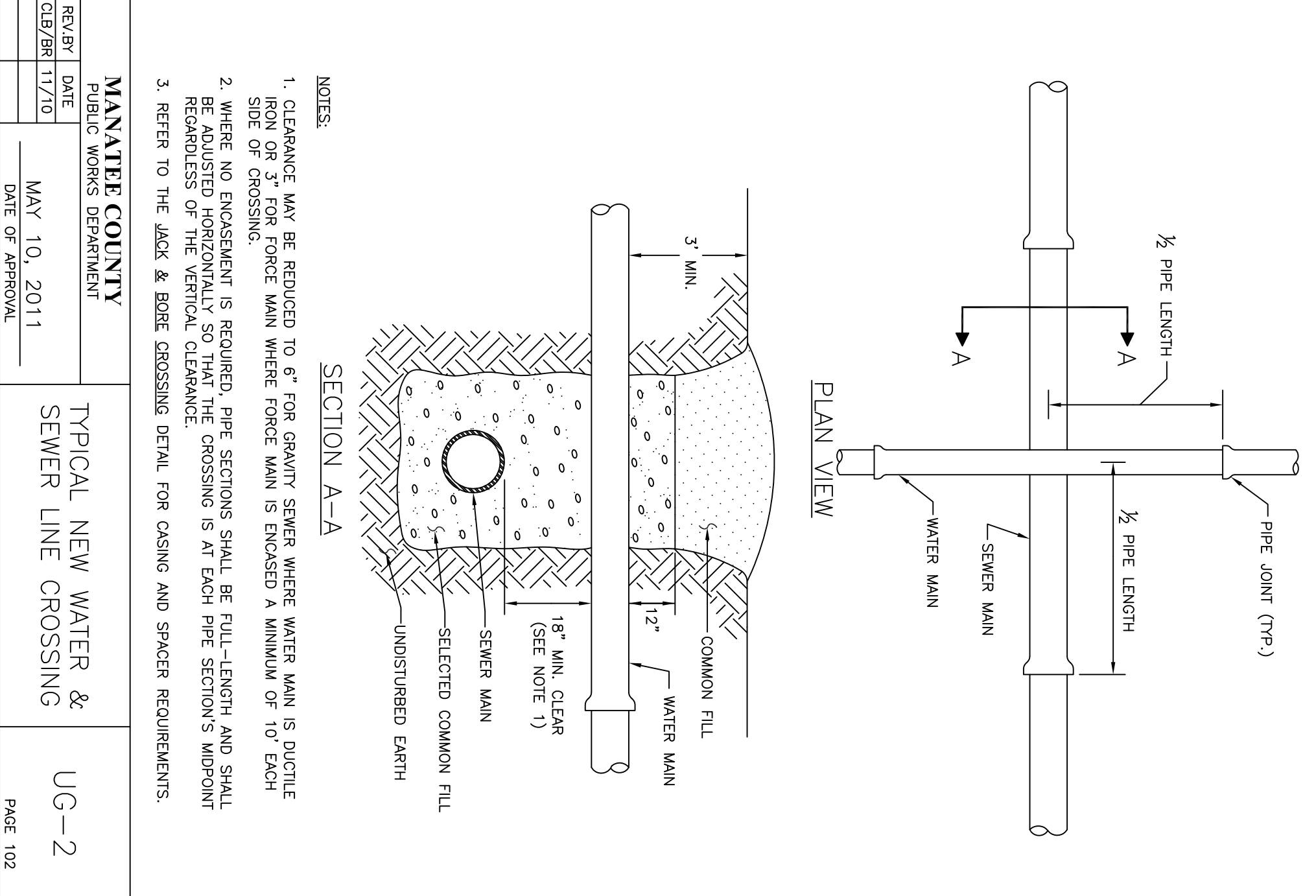
MANATEE COUNTY PUBLIC WORKS DEPARTMENT	TRENCH WITH UNIMPROVED SURFACE TYPE A-1 PIPE BEDDING	UG-11
REV/RY DATE WRT/ZE 03/11	MAY 10, 2011	DATE OF APPROVAL
PAGE 111		



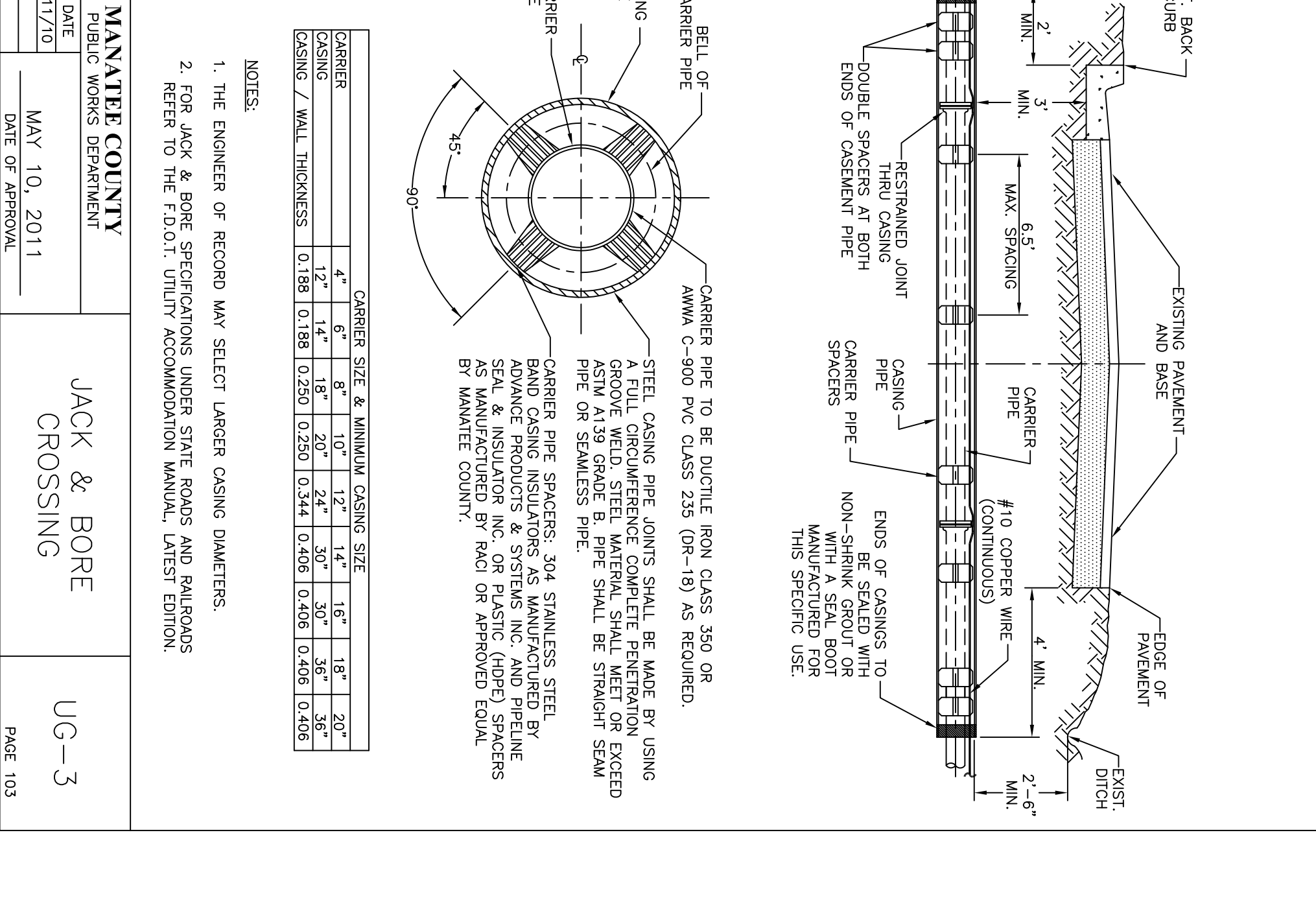
MANATEE COUNTY PUBLIC WORKS DEPARTMENT	TRENCH WITH ASPHALT PAVEMENT SURFACE TYPE A-1 PIPE BEDDING	UG-12
REV/RY DATE WRT/ZE 03/11	MAY 10, 2011	DATE OF APPROVAL
PAGE 112		



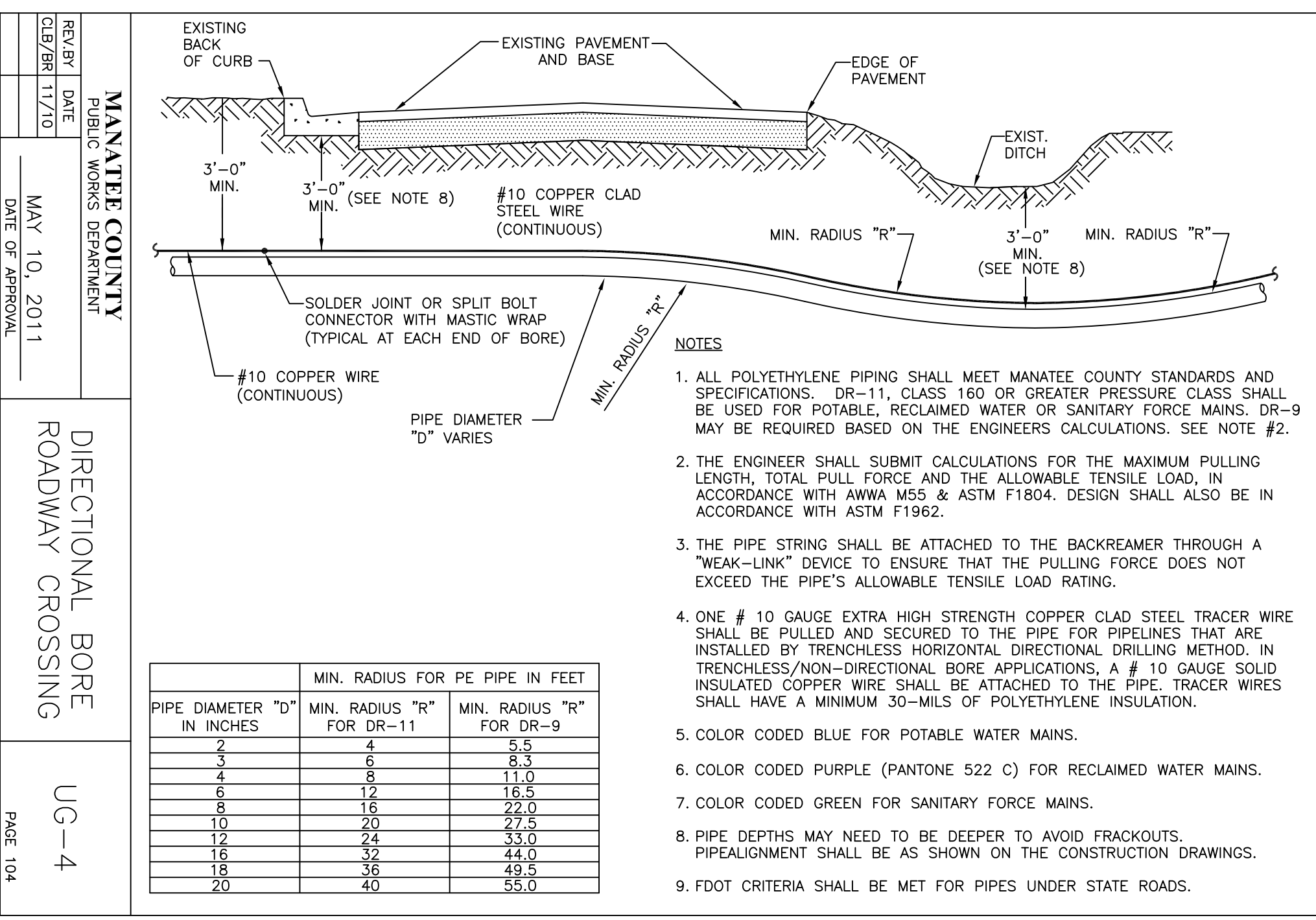
MANATEE COUNTY PUBLIC WORKS DEPARTMENT	TRENCH WITH TYPE A-2 PIPE BEDDING	UG-15
REV/RY DATE CLB/BR 11/10	MAY 10, 2011	DATE OF APPROVAL
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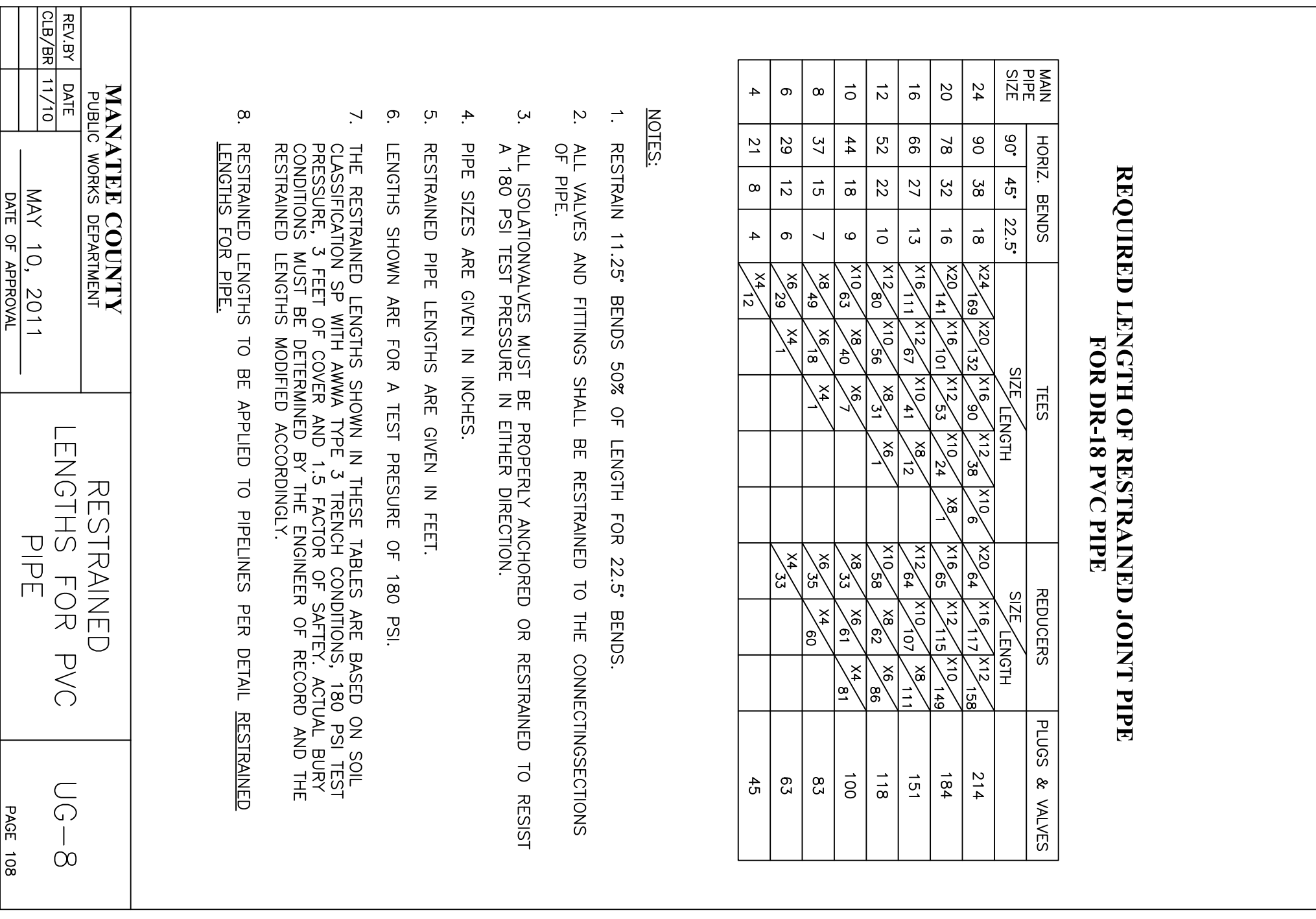
MANATEE COUNTY PUBLIC WORKS DEPARTMENT	TYPICAL NEW WATER & SEWER LINE CROSSING	UG-2
REV/RY DATE CLB/BR 11/10	MAY 10, 2011	DATE OF APPROVAL
PAGE 102		



MANATEE COUNTY PUBLIC WORKS DEPARTMENT	JACK & BORE CROSSING	UG-3
REV/RY DATE CLB/BR 11/10	MAY 10, 2011	DATE OF APPROVAL
PAGE 103		



MANATEE COUNTY PUBLIC WORKS DEPARTMENT	DIRECTIONAL BORE ROADWAY CROSSING	UG-4
REV/RY DATE CLB/BR 11/10	MAY 10, 2011	DATE OF APPROVAL
PAGE 104		



MANATEE COUNTY PUBLIC WORKS DEPARTMENT	RESTRAINED LENGTHS FOR PVC PIPE	UG-8
REV/RY DATE CLB/BR 11/10	MAY 10, 2011	DATE OF APPROVAL
PAGE 108		

CONSERVATORY PARK  
BRADENTON, FLORIDA

UTILITY DETAILS - SANITARY

DRAWN: EO  
 DESIGNED: EO  
 CHECKED: AW  
 DATE: 11-22-2011

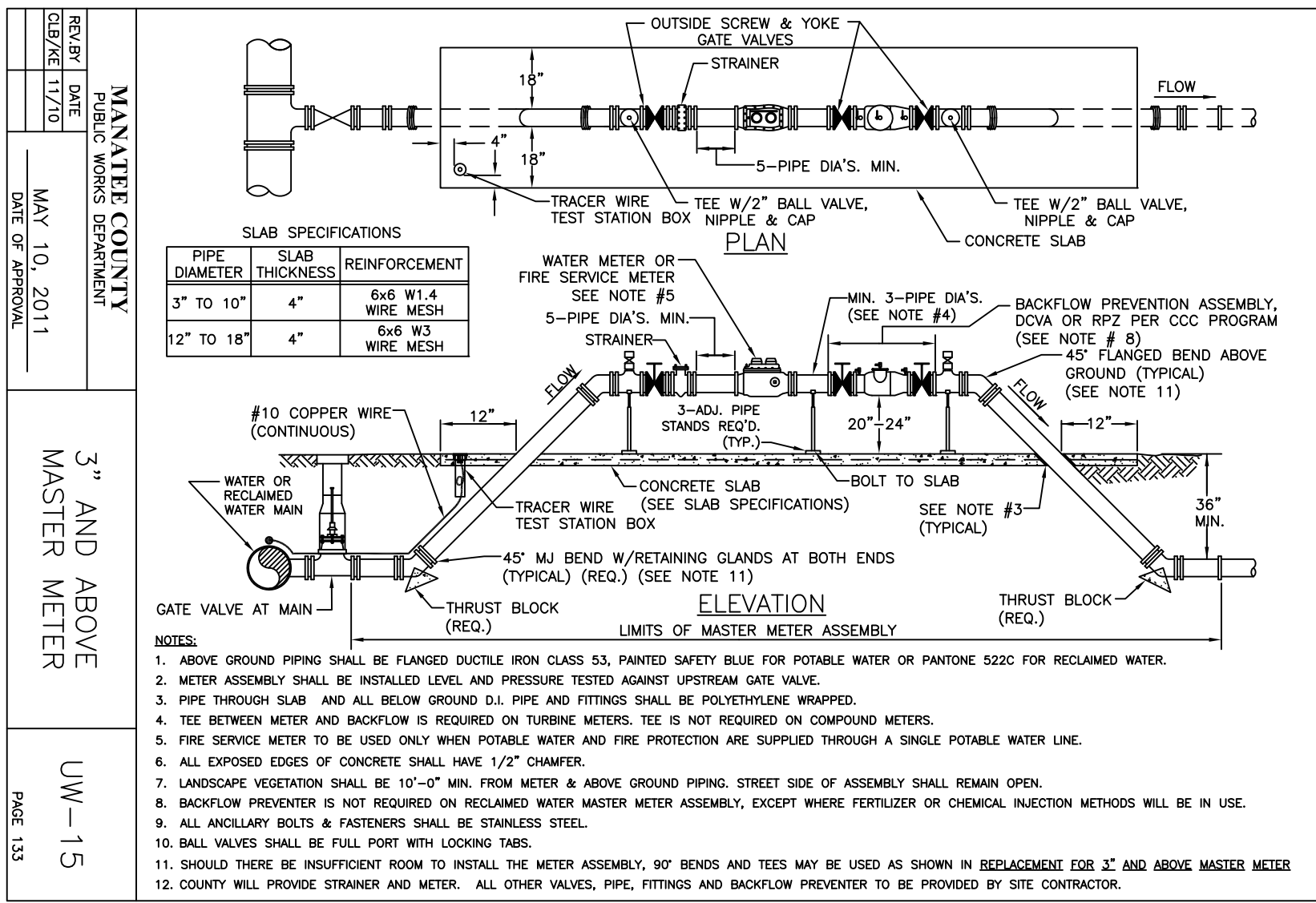
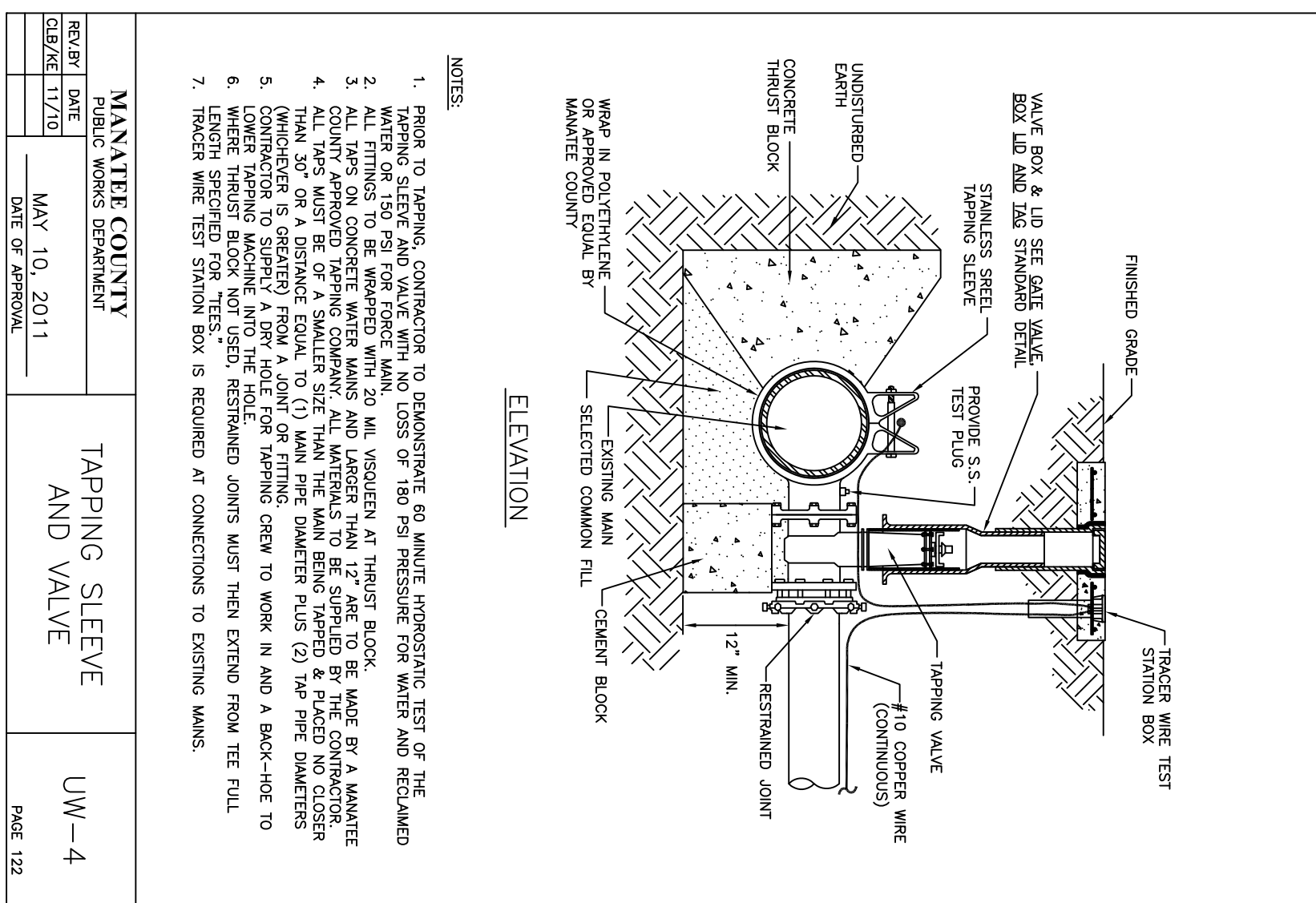
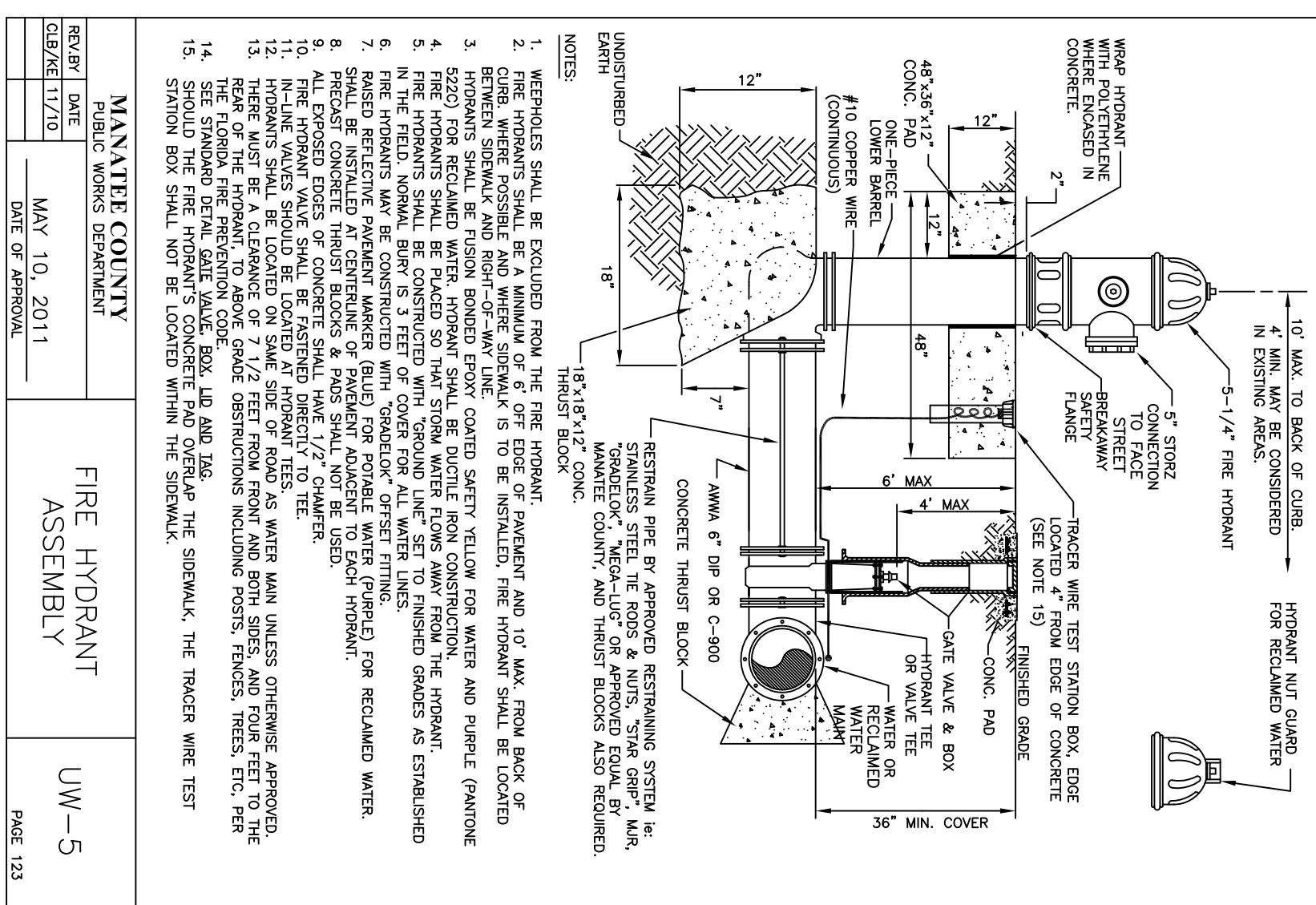
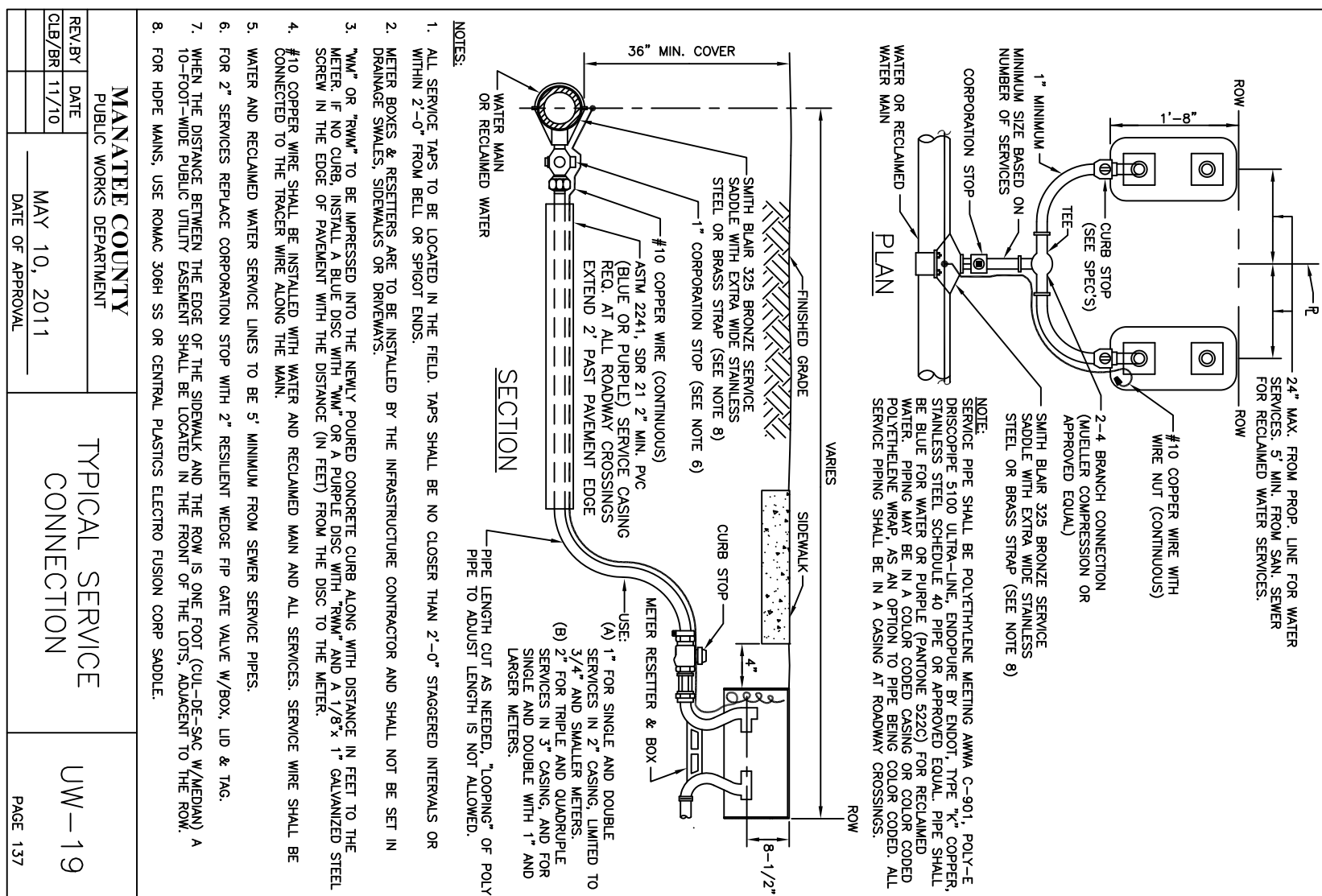
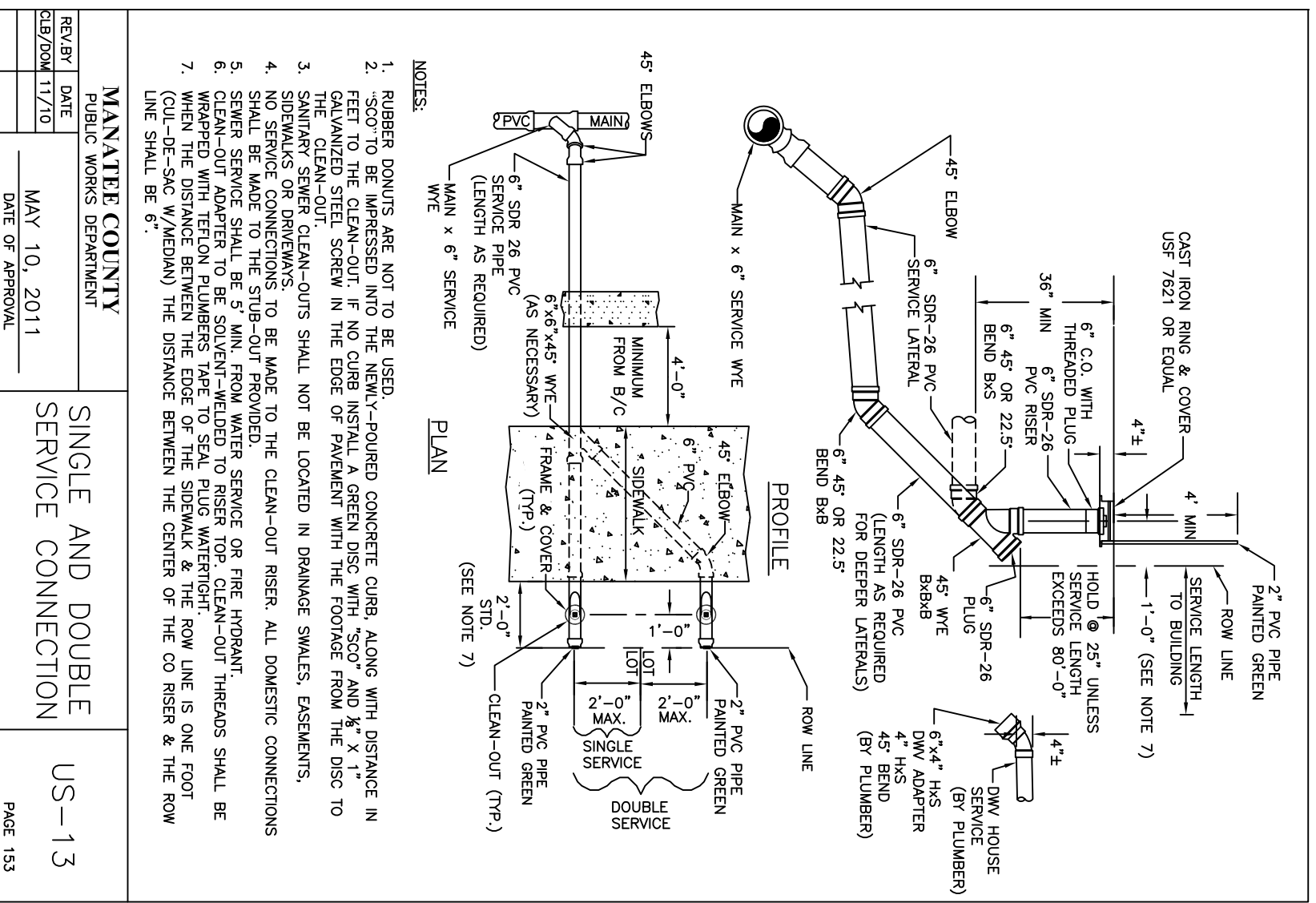
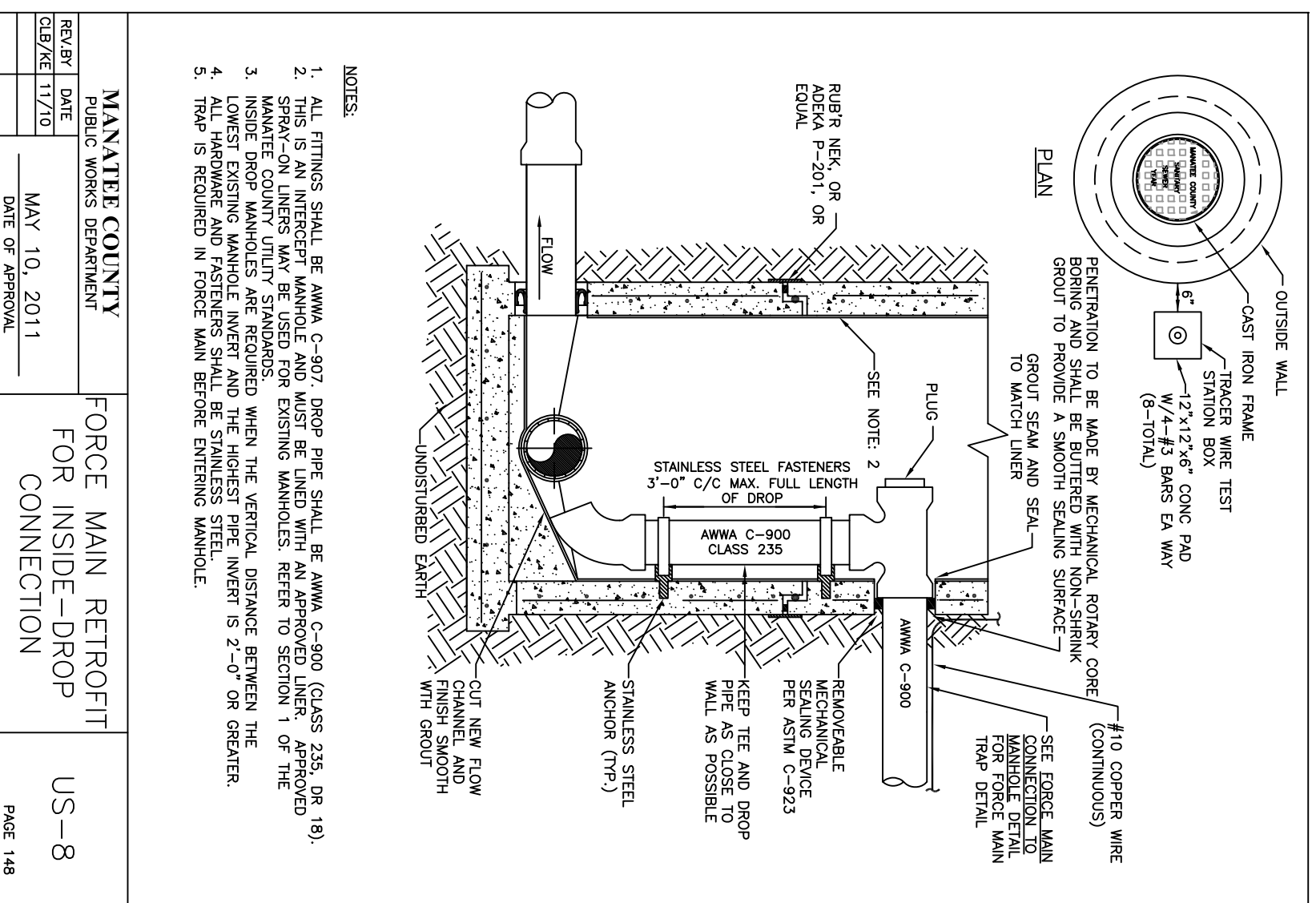
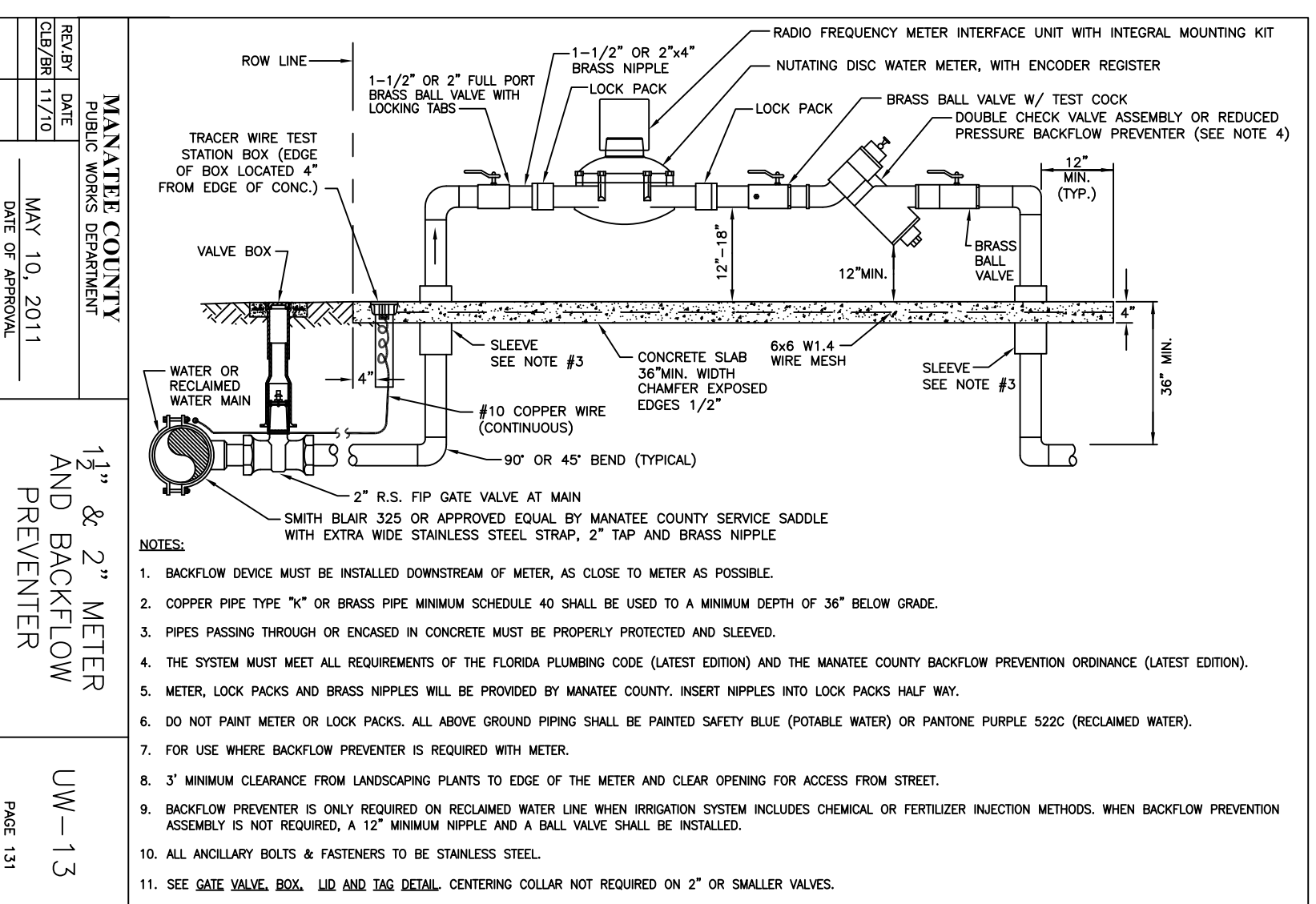
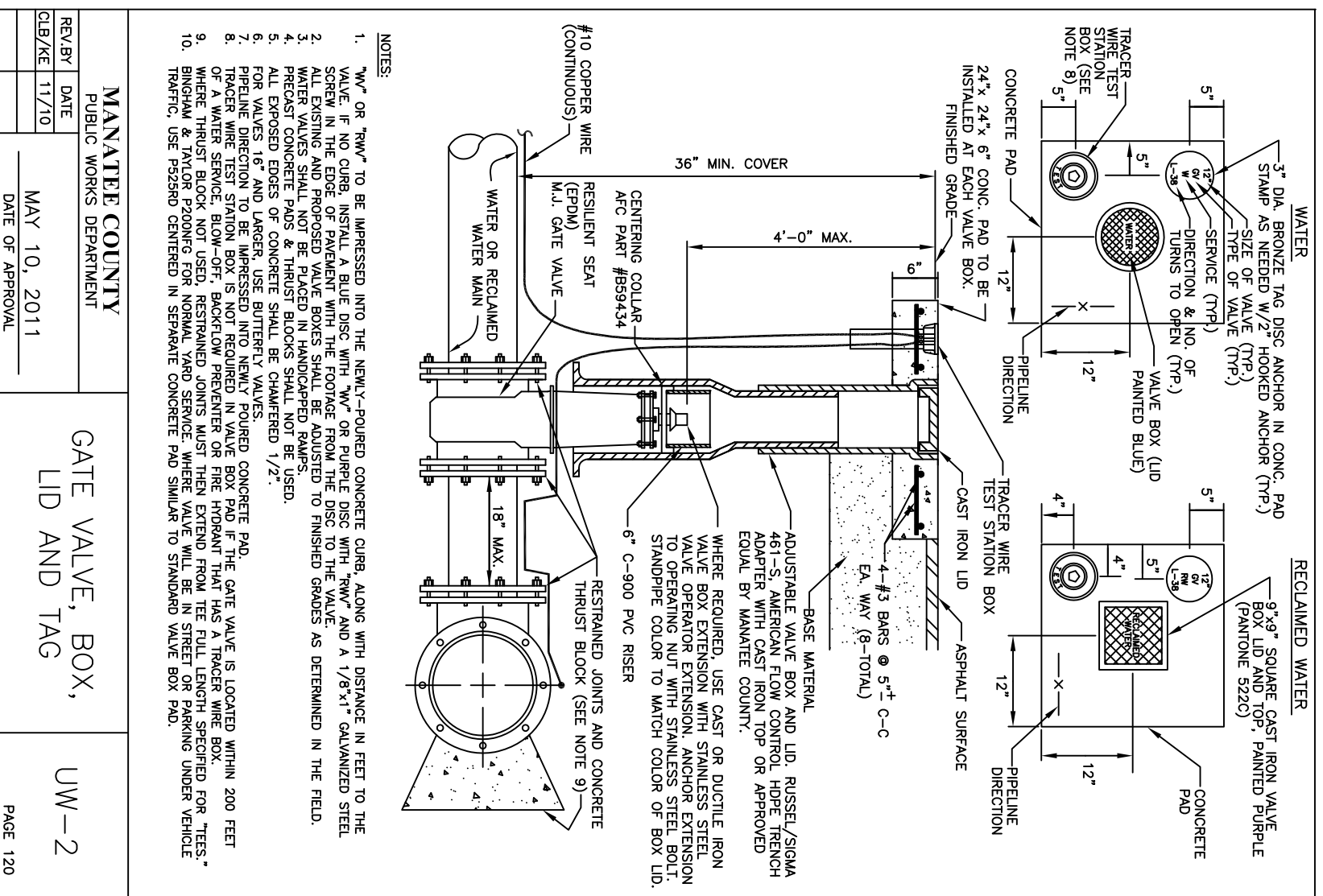
J. Wilson Lorenz, P.E.  
 Florida P.E. No. 47815

**IBI GROUP, INC.**  
 HTTP://WWW.IBIGROUP.COM

ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610  
 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS

1519 MAIN STREET  
 SARASOTA, FL 34236  
 PHONE: (941) 954-1718  
 FAX: (941) 954-0231

SCALE	AS NOTED	21110	SHEET	C-7
REV.	DATE	DESCRIPTION	BY	



**Item # MNC Mueller Modern Centurion® Fire Hydrant**

NOTE: YARD HYDRANT TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS PER THE DIRECTION OF THE SOUTHERN MANATEE FIRE DISTRICT

**Specifications**

- Modern, sleek, aesthetic design
- Meets all applicable code of ANSI/AWWA C900 Standard
- Dual type dry barrel design
- Dry top design with O-ring sealed of reservoir
- Stainless steel safety steam coupling pulls free hydrant in hit by a vehicle preventing damage to the stem and main valve
- Reversible, compression-type main valve closes with pressure for positive seal (Paint Low flow loss design with full flow nozzles and shoe
- Field replaceable nozzles
- Dual torque drain valves
- 200 psi (1.379 MPa) minimum working pressure, 400 psi (2.759 MPa) test pressure

**Manufacturer** Mueller Co.  
**Max. Working Pressure** 200 psi / 13.79 MPa  
**Test Pressure** 400 psi / 27.59 MPa

**C. I. Thompson**  
 4034 N. Main  
 Huntington, WV 25722 US  
 Phone: 304 523 3434  
 Fax: 304 523 3434  
 Email: webmaster@clthompson.com  
 Website: http://www.clthompson.com/

**Construction & Features**

- Field length stainless steel hinges, ribs and quick-opening latches
- High quality, heavy-duty stainless construction, 1/2" thick stainless cabinet body and 1/2" thick outer pipe door
- Solid brass pull handles
- Positive seal stem-tick hold bracket
- Clear acrylic windows standard on emergency cabinets, optional on others
- UV-inhibited red gel-coat exterior, black interior

**Other colors available upon request**

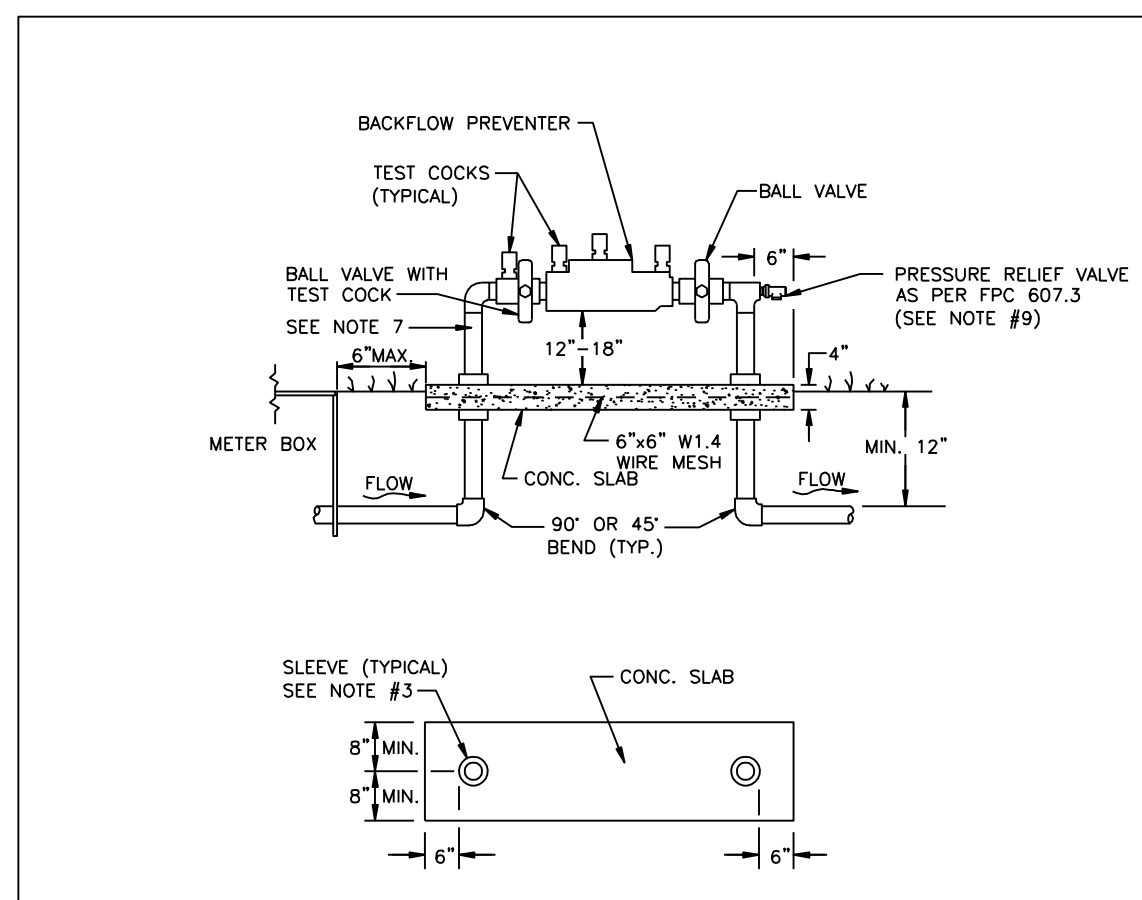
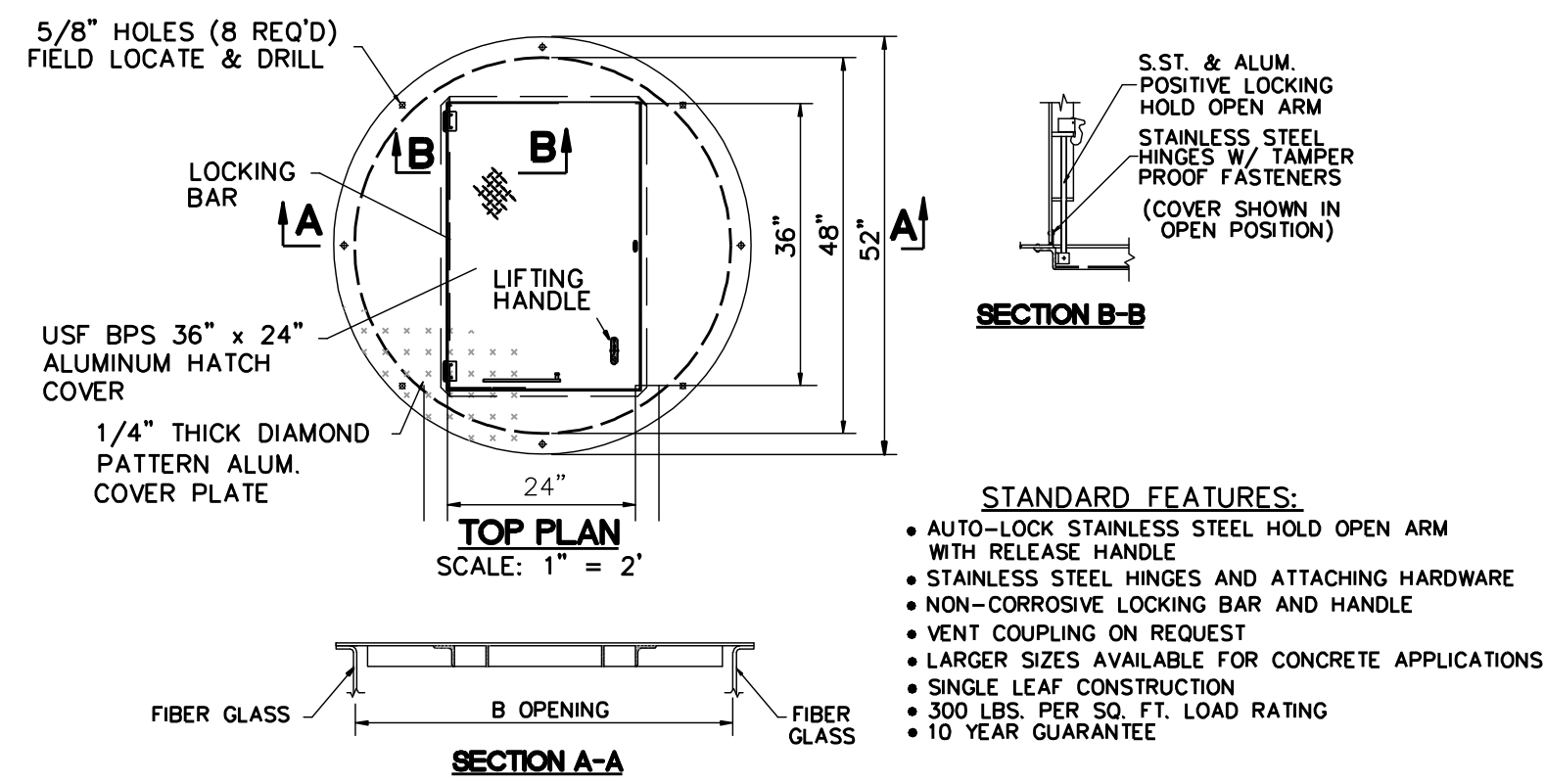
Model	Overall Dimensions (H x W x D)	Net Weight (lbs)	Net Weight (kg)
8120	29 1/2" x 27 1/2" x 27"	101	45.8

**FIRE HOSE CABINET**  
**GUARDIAN FIRE EQUIPMENT (OR APPROVED EQUAL)**

NOTE: FIRE HOSE CABINET TO BE INSTALLED PER MANUFACTURER'S SPECIFICATIONS PER THE DIRECTION OF THE SOUTHERN MANATEE FIRE DISTRICT

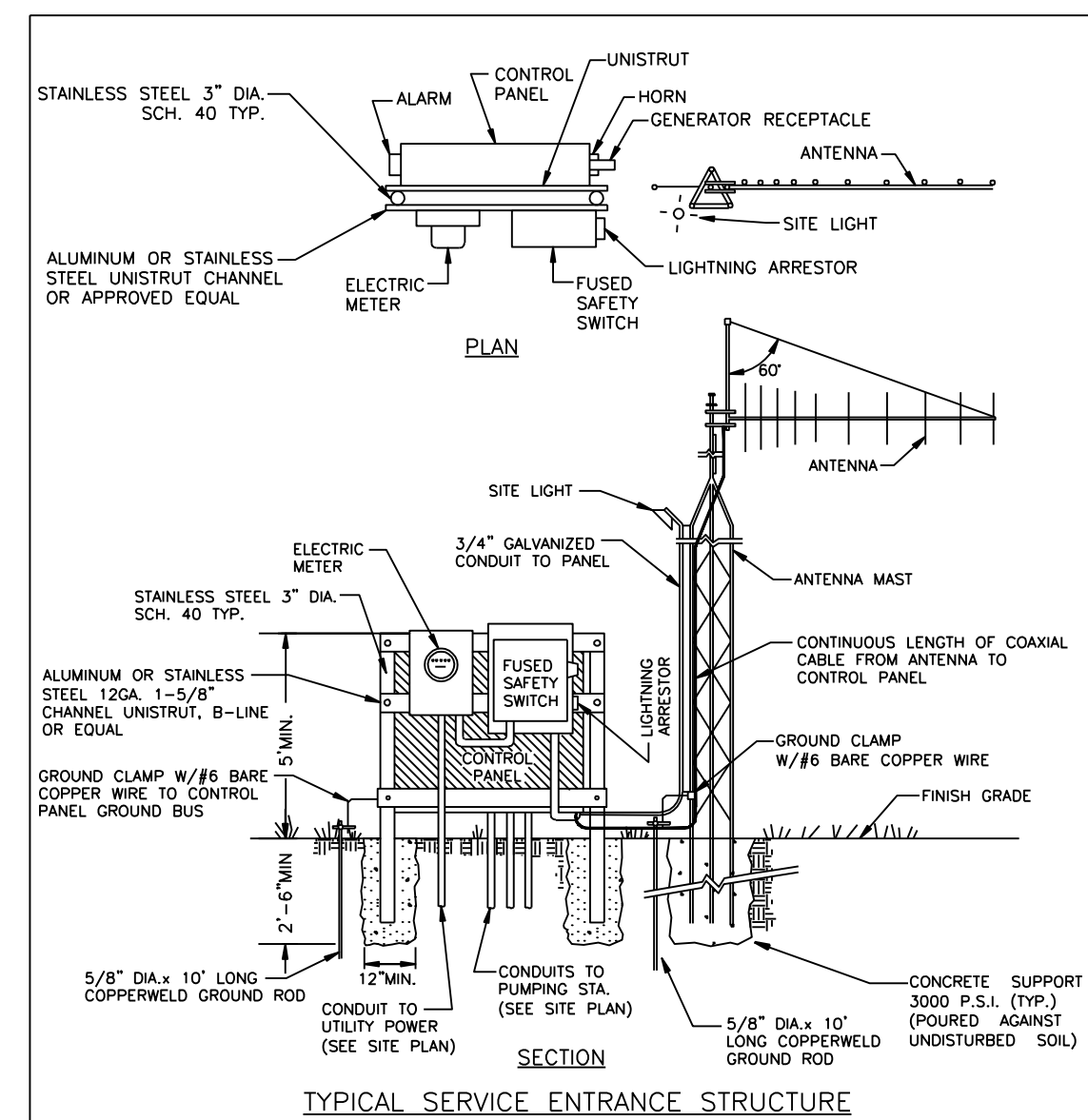






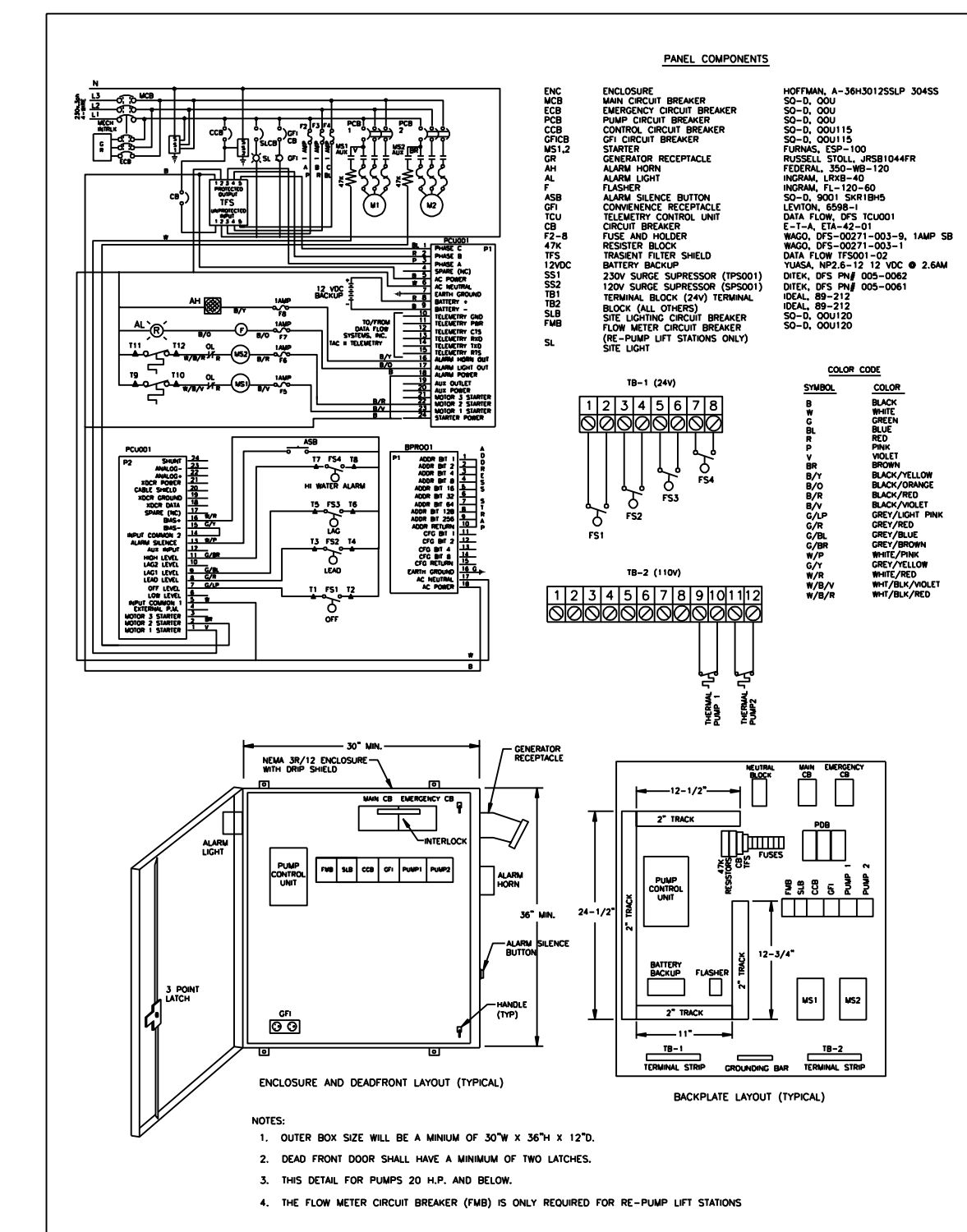
- NOTES:**
- BACKFLOW DEVICE MUST BE INSTALLED IMMEDIATELY DOWNSTREAM OF METER, AS SHOWN ABOVE.
  - COPPER PIPE TYPE "K" OR BRASS PIPE MINIMUM SCHEDULE 40 SHALL BE USED TO A MINIMUM DEPTH OF 12" BELOW GRADE.
  - PIPES PASSING THROUGH OR ENCASED IN CONCRETE MUST BE PROPERLY PROTECTED AND SLEEVED.
  - THE SYSTEM MUST MEET ALL REQUIREMENTS OF THE FLORIDA PLUMBING CODE (LATEST EDITION) AND THE MANATEE COUNTY BACKFLOW PREVENTION ORDINANCE (LATEST EDITION).
  - ALL EXPOSED EDGES OF CONCRETE SHALL BE CHAMFERED 1/2".
  - BACKFLOW PREVENTER SHALL BE TESTED AT THE TIME OF INSTALLATION.
  - PRESSURE REDUCING VALVE REQUIRED UPSTREAM OF BACKFLOW IF SYSTEM PRESSURE EXCEEDS 80 PSI.
  - 3" MINIMUM CLEARANCE FROM LANDSCAPING PLANTS TO EDGE OF CONCRETE SLAB AND CLEAR OPENING FOR ACCESS FROM STREET.
  - IN ADDITION TO THE P.V., THE BUILDING DEPT. MAY REQUIRE AN APPROVED DEVICE FOR THERMAL EXPANSION CONTROL.
  - REFER TO DETAIL WATER METER & BACKFLOW PREVENTER FOR LIFT STATIONS FOR WATER SERVICE AT SEWAGE PUMPING STATION.

<b>MANATEE COUNTY</b> PUBLIC WORKS DEPARTMENT		3/4" & 1" BACKFLOW PREVENTER	UW-12
REV. BY	DATE		PAGE 130
CLB/BR	11/10	MAY 10, 2011	
		DATE OF APPROVAL	

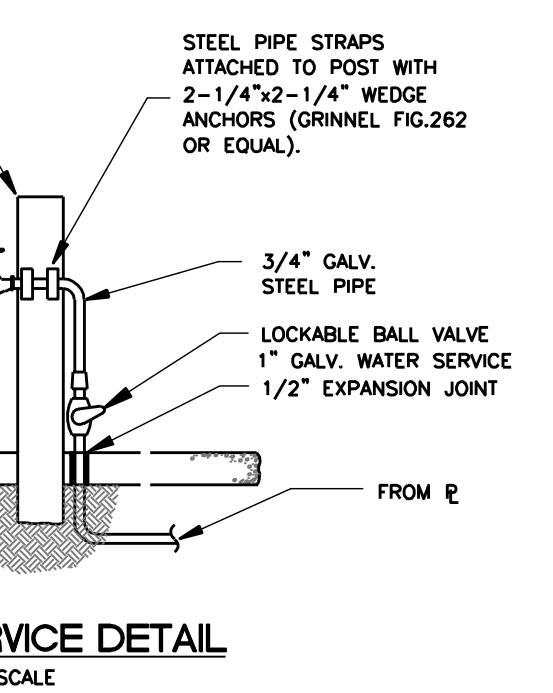
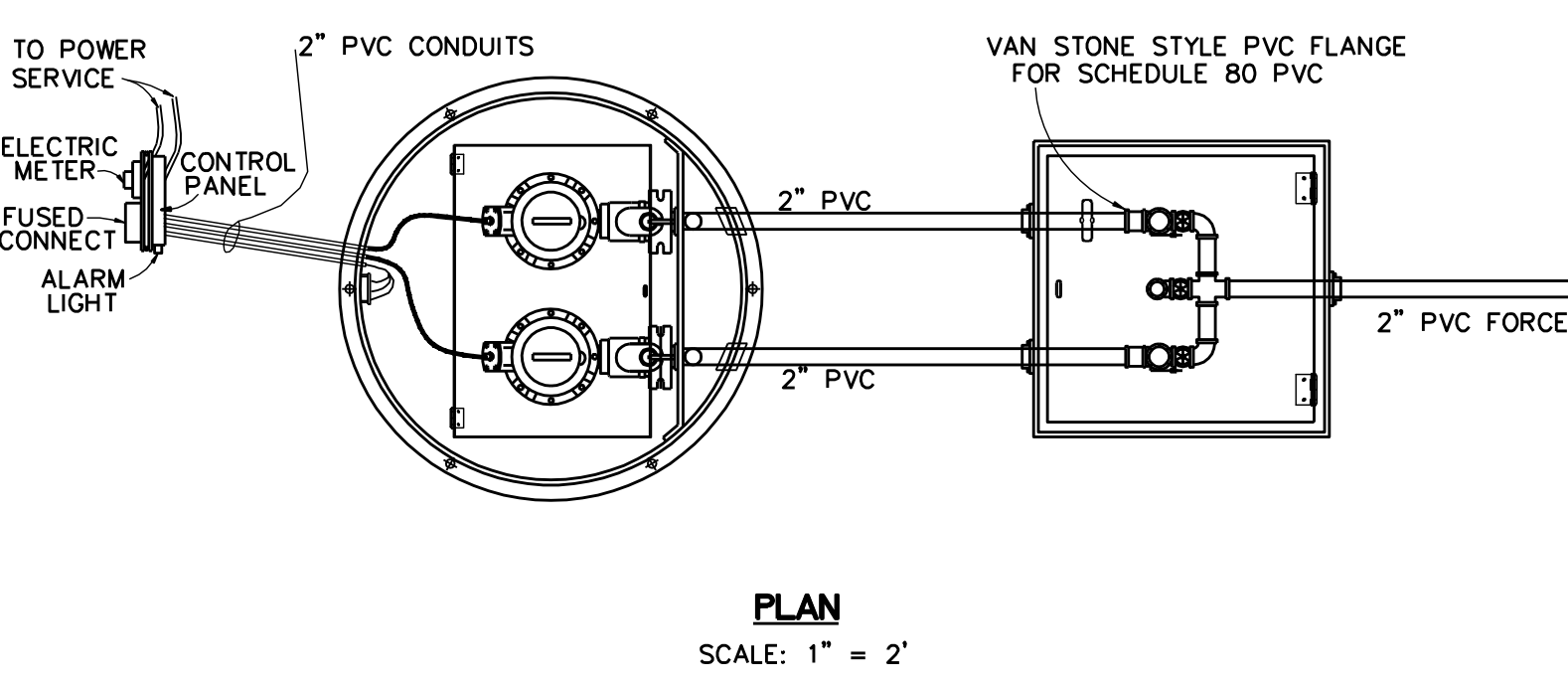


- NOTES:**
- ALL EQUIPMENT FURNISHED FOR THE PUMP STATION SHALL CONFORM TO MANATEE COUNTY PUBLIC WORKS UTILITY STANDARDS.
  - POWER TO BE SUPPLIED AS DIRECTED, THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL COSTS ASSOCIATED WITH PROVISION, TEMPORARY AND PERMANENT ELECTRICAL SERVICE.
  - ALL CONDUIT ENTERING THE CONTROL PANEL SHALL BE SEALED WITH INDUSTRIAL FOAM.
  - CONTROL AND FLOW METER ENCLOSURE TO BE NEMA 4X STAINLESS STEEL WITH RAIN SHIELD. DISCONNECT ENCLOSURE TO BE NEMA 4X STAINLESS STEEL.
  - ALL P.V.C. CONDUIT SHALL BE SCHEDULE 80.
  - ALL STATIONS WHICH REPLUMP SEWAGE FROM OTHER LIFT STATIONS SHALL BE EQUIPPED WITH A FLOW METER WITH ABOVE GROUND TRANSDUCER IN A WEATHER PROOF HOUSING, A PRESSURE TRANSDUCER TO MONITOR FORCE MAIN PRESSURES, AND A TRANSDUCER AS THE PRIMARY LEVEL SENSOR MOUNTED INSIDE A STILLING WELL IN THE WET WELL.
  - ANTENNA MAST SHALL BE RATED FOR 150 MPH WINDS.
  - IF ANTENNA MAST IS MORE THAN 18" FROM PANEL RUN CONDUIT FOR SITE LIGHT UNDERGROUND.

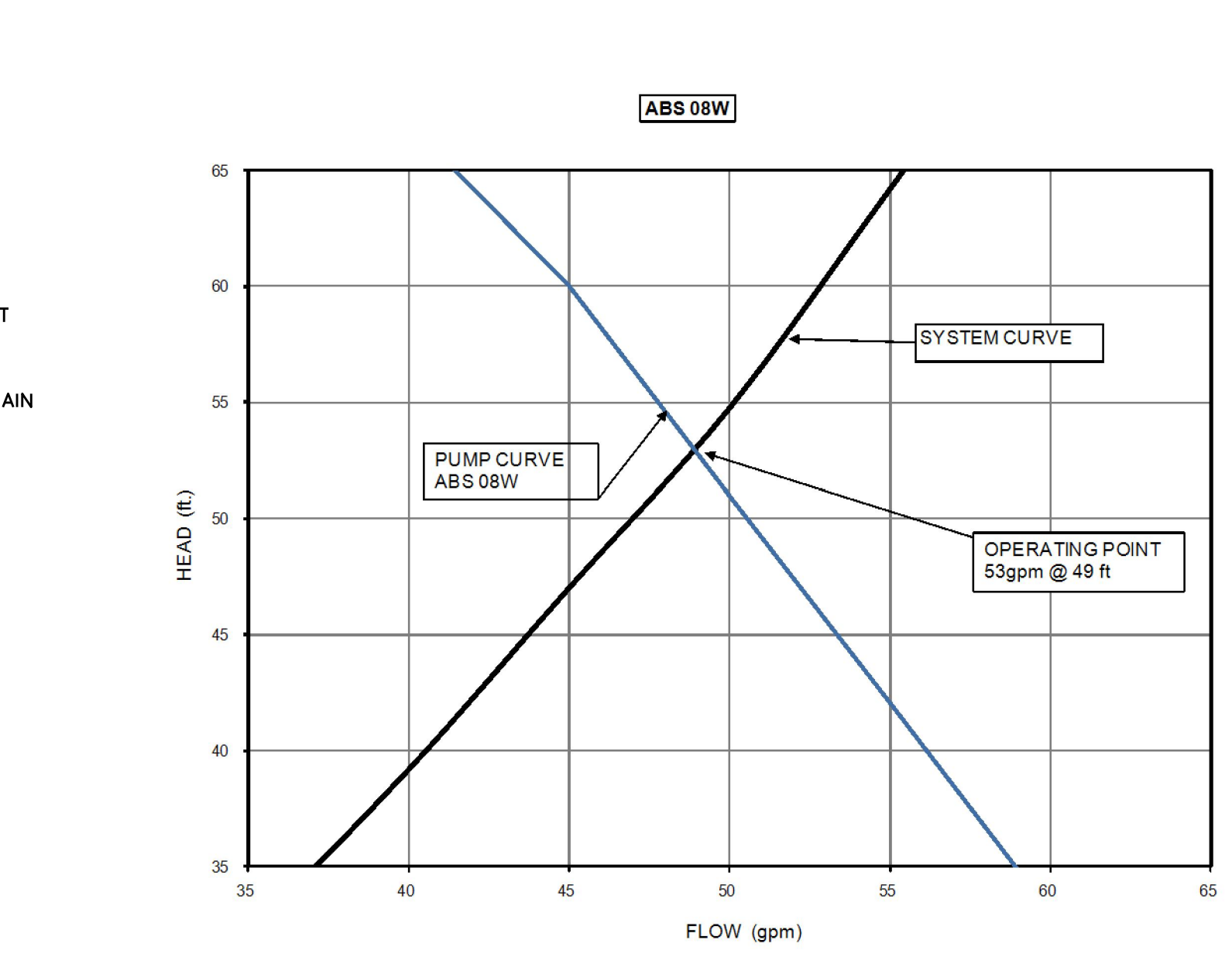
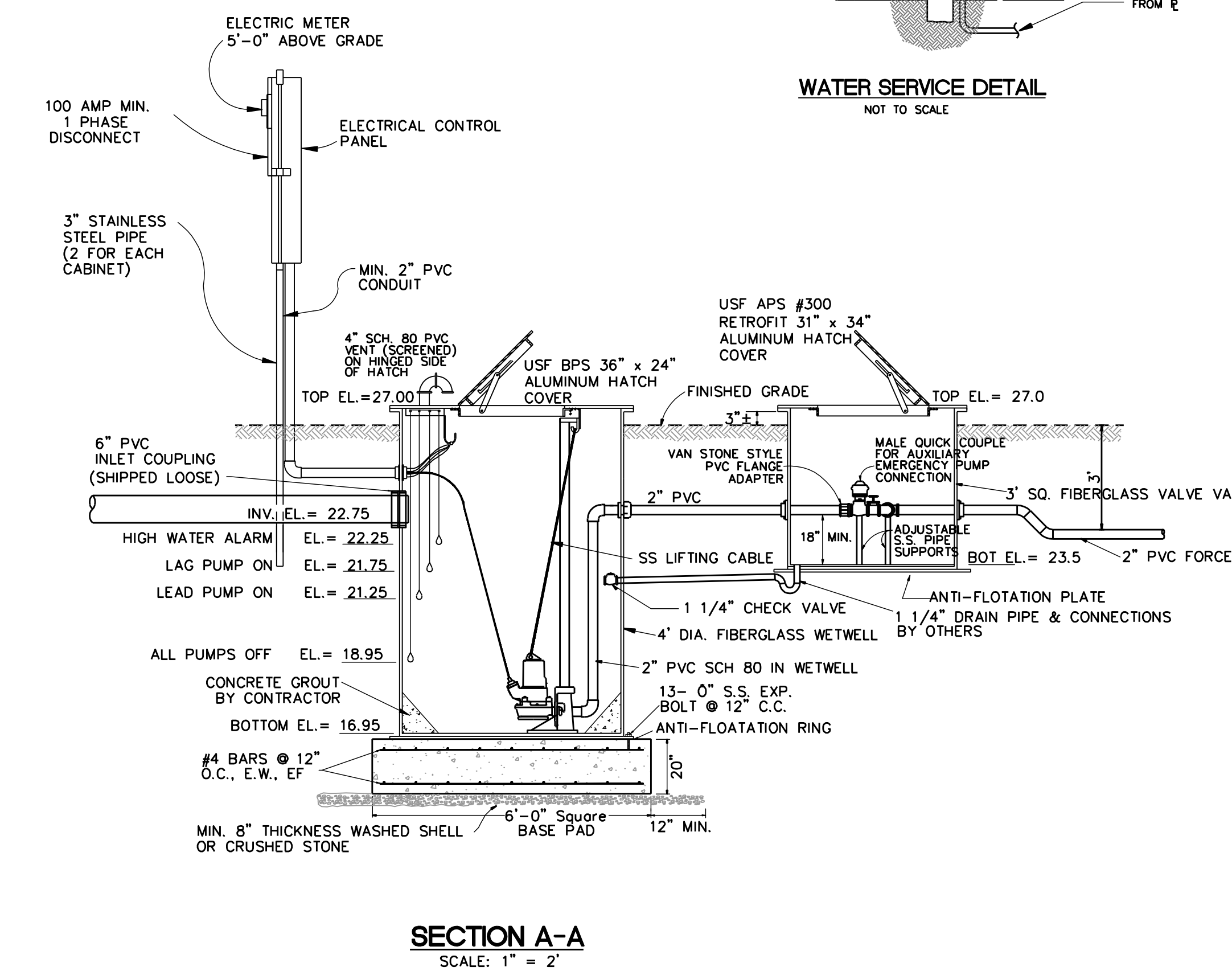
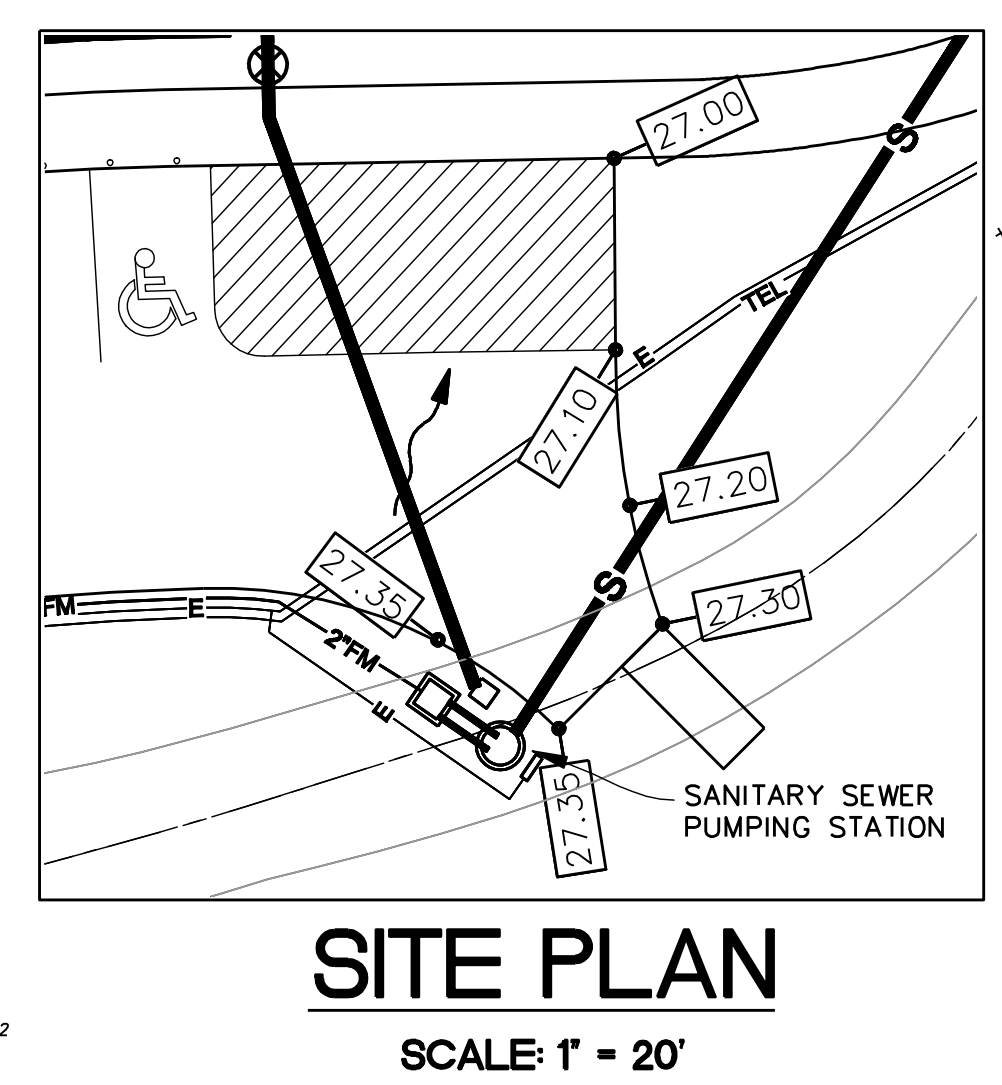
<b>MANATEE COUNTY</b> PUBLIC WORKS DEPARTMENT		SEWAGE PUMP STATION METER & ELECTRICAL DETAILS	US-22
REV. BY	DATE		PAGE 162
CLB/DOH	11/10	MAY 10, 2011	
		DATE OF APPROVAL	



<b>MANATEE COUNTY</b> PUBLIC WORKS DEPARTMENT		SEWAGE PUMP STATION CONTROL PANEL (230V)	US-23
REV. BY	DATE		PAGE 163
CLB/RE	11/10	MAY 10, 2011	
		DATE OF APPROVAL	



PUMP DATA AND DESIGN CHARACTERISTICS	
NUMBER OF PUMPS	2
DESIGN CAPACITY PER PUMP, G.P.M.	53
TOTAL DYNAMIC HEAD, FT.	49
MIN. EFF. AT DESIGN CAPACITY %	23
HORSEPOWER PER PUMP, H.P.	2.77
DISCHARGE SIZE, IN.	1-1/4
PUMP MANUF. & MODEL NUMBER	ABS 08 W
IMPELLER DIAMETER	5.31 in
PUMP R.P.M.	3380
ELECT. SVC- VOLTAGE & PHASE	230v - 1 PH
FORCE MAIN- LENGTH, DIAMETER & MATERIAL	913 LF 2" PVC
FORCE MAIN DISCHARGE ELEV. & HIGHEST EL.	24.0, 24.0



PROPOSED LIFT STATION BUOYANCY CALCULATIONS CONSERVATORY PARK File# 21110	
<b>WETWELL INFORMATION</b>	
Top Elevation of Station =	27.00
Bottom Elevation of Station =	16.95
Inside Diameter in Inches =	48
Wall Thickness in Inches =	1.0
<b>TOP SLAB INFORMATION</b>	
Slab Thickness in Inches =	3
Opening Length in Inches =	16
Opening Width in Inches =	24
<b>BOTTOM SLAB INFORMATION</b>	
Slab Thickness in Inches =	20
Diameter in Feet if Round =	0.00
or Side Length if Square (ft) =	6.0
<b>DOWNWARD FORCES</b>	
Weight of Wetwell =	1,598 pounds
Weight of Top Slab =	95 pounds
Weight of Bottom Slab =	9,000 pounds
Soil Overburden =	10,699 pounds
<b>TOTAL DOWNWARD FORCES =</b>	<b>21,392 pounds</b>
<b>UPWARD FORCES</b>	
Wetwell =	8,551 pounds
Top Slab =	0 pounds
Bottom Slab =	2,246 pounds
<b>TOTAL UPWARD FORCES =</b>	<b>10,797 pounds</b>
<b>NET DOWNWARD FORCE =</b>	<b>10,595 pounds</b>
Factor of Safety =	2.0

- GENERAL LIFT STATION NOTES:**
- ALL ACCESS COVERS SHALL BE ALUMINUM, WITH STAINLESS STEEL HARDWARE AND RATED FOR 300 P.S.F. TOTAL 16 MILS DFT. ALL ACCESS COVERS IN CONTACT WITH CONCRETE SHALL HAVE 2 COATS BITUMASTIC EPOXY. TOTAL 16 MILS DFT. ALL ACCESS COVERS SHALL BE EQUIPPED WITH A LOCKING STAPLE OR BAR FOR USE WITH A PADLOCK. PADLOCKS FOR WETWELL, VALVE VAULT, FENCE GATE AND CONTROL PANELS OF PUBLICLY OWNED & MAINTAINED LIFT STATIONS SHALL BE FURNISHED BY THE MANATEE COUNTY UTILITIES DEPARTMENT.
  - INSTALL WET WELL VENT ON THE HINGED SIDE OF THE WET WELL HATCH COVER.
  - GROUND SHALL BE SLOPED AWAY FROM SLAB TO NATURAL GROUND ELEVATION IN ALL DIRECTIONS. SITE SHALL INCLUDE A WEED BARRIER FABRIC THAT IS COVERED WITH WASHED SHELL OR ROCK WITHIN LIFT STATION FENCING. SITE SHALL INCLUDE A WEED BARRIER FABRIC THAT IS COVERED WITH SHREDDED WOOD TYPE MULCH UNDER THE SHRUBS AND UP TO OUTSIDE OF THE FENCE. WEED BARRIER FABRIC THAT IS COVERED WITH SHREDDED WOOD-TYPE MULCH SHALL BE LOCATED UNDER THE TREES FOR A MINIMUM DISTANCE OF 3 FEET FROM THE TREE. SODDING OR SHREDDED WOOD-TYPE MULCH SHALL BE INSTALLED ON THE REMAINDER OF THE SITE TO THE EDGE OF THE EASEMENT.
  - DUCTILE IRON OR CAST IRON VALVES AND FITTINGS SHALL HAVE A FACTORY APPLIED FUSION BONDED EPOXY EXTERIOR AND INTERIOR COATING.
  - ALL FORCE MAIN PIPING AND FITTINGS WITHIN THE WETWELL AND THE VALVE VAULT, FROM THE PUMP BASE ELBOW TO THE CHECK VALVE, SHALL BE DR11 HOPE. ALL CONNECTIONS TO IRON BODIED FLANGE FITTINGS IN THE WETWELL (PUMP BASE ELLS) AND TO THE VALVE VAULT CHECK VALVES SHALL BE MADE USING HOPE FLANGE ADAPTERS WITH 316 STAINLESS STEEL BACKUP RINGS. ALL HOPE CONNECTIONS SHALL BE THERMAL FUSED OR ELECTRO-FUSED. ALL PIPING DOWNSTREAM OF THE CROSS IN THE VALVE VAULT TO THE PLUG VALVE SHALL BE PVC DR 14 C-900.
  - ALL PIPING SHALL BE COLOR CODED IN ACCORDANCE WITH THESE STANDARDS. GREEN-RAW SEWAGE; PANTONE 522C PURPLE-RECLAIMED; BLUE-POTABLE WATER.
  - ANCHORS & LIFTING DEVICES SHALL NOT PENETRATE THE WALLS OF THE WET WELL.
  - ALL INTERIOR SURFACES OF WET WELL SHALL BE LINED. SEE STANDARD PRE-CAST SANITARY SEWER MANHOLE FOR TURBULENT FLOW DETAIL.
  - ALL METAL APPURTENANCES INCLUDING BOLTS, NUTS AND WASHERS INSIDE THE WET WELL AND VALVE VAULT SHALL BE STAINLESS STEEL UNLESS OTHERWISE NOTED (TYPE 316). ALL STAINLESS STEEL BOLTS SHALL BE TREATED WITH NEVER-SEIZE PRIOR TO ASSEMBLY.
  - VERTICAL HOPE PUMP DISCHARGE PIPE IN THE WET WELL SHALL BE BRACED EVERY EIGHT (8) LINEAR FEET TO PREVENT EXCESSIVE BOWING. THE PIPE SHALL BE CLAMPED TO A SINGLE LENGTH OF 1-5/8" STAINLESS STEEL CHANNEL INSTALLED HORIZONTALLY AND ANCHORED TO THE WET WELL WALL AT EACH END WITH A CENTER BRACE OF 1-5/8" CHANNEL ATTACHED TO THE BACK OF THE WET WELL. THE PIPE CLAMPS SHALL BE A MINIMUM OF 1-1/2" WIDE, 12 GA. STAINLESS STEEL WET WELLS LARGER THAN 6 FEET OR PIPING LARGER THAN 6 INCHES SHALL HAVE BRACING CONSTRUCTED FROM 1/4 INCH X 4 INCH STAINLESS STEEL ANGLE.
  - VALVE & METER VAULTS SHALL BE PRECAST TYPE II REINFORCED CONCRETE.
  - CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PREVENT FLOTATION DURING CONSTRUCTION. ENGINEER SHALL SUBMIT FLOTATION CALCULATIONS ALONG WITH HYDRAULIC CALCULATIONS TO MCPWD ENGINEERING SERVICES DIVISION AT CONSTRUCTION PLAN REVIEW SUBMITTAL.
  - TOP OF WETWELL'S AND VALVE VAULT'S TOP SLABS SHALL BE AT THE SAME ELEVATION.
  - FOR 5/8" WATER METER, PROVIDE POTABLE WATER SERVICE CONNECTION WITH 3/4" BRASS LOCKSHIELD AND LOOSE KEY HOSE BIB. PROVIDE WATTS 909 BACKFLOW PREVENTER (OR APPROVED EQUAL). ALL WATER SERVICE PIPING FROM WATER METER TO BE TYPE "K" COPPER OR BRASS. 3/4" MIN. DIAMETER FOR 5/8" METER AND 2" MIN. DIAMETER PIPING FOR 2" METER. SEE DETAIL US-15.
  - LANDSCAPING SHALL BE IRRIGATED WITH NON-POTABLE WATER. A RAIN SENSOR SHALL BE FURNISHED AND INSTALLED.
  - HOSE BIB TO BE A MAXIMUM OF 2 FEET FROM THE VALVE VAULT, A MINIMUM OF 6 FEET FROM THE ELECTRICAL CONTROL PANEL, 24" ABOVE THE SURROUNDING FINISH GRADE, AND ANCHORED TO A 4" PVC CONCRETE FILLED PIPE.
  - WATER METER ASSEMBLY TO BE INSTALLED BY CONTRACTOR AS PART OF WATER SERVICE CONNECTION WITH FEES PAID BY THE DEVELOPER.
  - BASE AND FIRST WALL SECTION SHALL BE MONOLITHIC.
  - EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR TO CONSTRUCT WATER TIGHT STRUCTURES WITH NO VISIBLE LEAKS. COMPLETED STRUCTURES THAT ARE NOT WATER TIGHT AND/OR DO NOT MEET THE REQUIREMENTS OF ASTM C-443 WILL BE REJECTED.
  - FLEXIBLE GASKET CONNECTORS SHALL MEET THE REQUIREMENTS OF ASTM C-923 LATEST REVISION AND ARE REQUIRED IN ALL MANHOLES.
  - ALL GATE VALVES SHALL BE RESILIENT SEAT IN ACCORDANCE WITH THESE STANDARDS.
  - ELECTRICAL SERVICE SHALL BE 3 PHASE MINIMUM UNLESS THE ELECTRICAL UTILITY PROVIDES CORRESPONDENCE STATING THAT 3 PHASE SERVICE IS UNAVAILABLE. (PER TPL, 3 PHASE POWER IS NOT AVAILABLE AT THIS SITE.) ELECTRICAL CONDUIT SHALL BE RUN BY THE SHORTEST ROUTE POSSIBLE FROM THE ELECTRICAL SOURCE TO THE CONTROL PANEL AND FROM THE CONTROL PANEL TO THE LIFT STATION WET WELL. NO ELECTRICAL SHALL BE INSTALLED BETWEEN THE WET WELL AND VALVE VAULT STRUCTURES.
  - THE VALVE VAULT SHALL HAVE A MINIMUM CLEARANCE OF 12" FROM FLANGES TO THE VALVE VAULT WALL, 18" FROM FLANGES TO THE VALVE VAULT FLOOR AND 12" FROM THE CROSS TO THE VALVE VAULT WALL AT THE FORCE MAIN EXIT POINT.
  - THE CONTROL PANEL, HOSE BIB, AND ANTENNA SHALL NOT BE LOCATED BETWEEN THE WETWELL, VALVE VAULT AND THE DRIVEWAY.
  - IN THE EVENT THAT THREE PHASE POWER IS NOT AVAILABLE AT THE LOCATION OF THE CONTROL PANEL, THE LIFT STATION SHALL BE CONNECTED FOR CAPACITOR START/RUN MOTORS. THE CAPACITORS SHALL BE INSTALLED IN A SEPARATE NEMA 4X ENCLOSURE THAT SHALL BE MOUNTED ADJACENT TO THE CONTROL PANEL.
  - ALL UTILITY WORK SHALL COMPLY WITH MANATEE COUNTY UTILITY STANDARDS.
  - PUMPS SHALL BE MOUNTED USING THE STANDARD PUMP BASE ELL MOUNTING PLATE PER STANDARD DETAIL US-21.

**IBI GROUP, INC.**  
 ENGINEERS CERT. OF AUTH. #2088  
 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS  
 1421 W. WINTER GATE BLVD.  
 SUITE 100  
 TAMPA, FL 33606  
 PHONE: (813) 974-7770  
 FAX: (813) 974-7700  
 WWW.IBIGROUP.COM

**IBI GROUP**

**CONSERVATORY PARK**  
 BRADENTON, FLORIDA

**LIFT STATION SITE PLAN**

DRAWN: E.O.	DESIGNED: E.O.	CHECKED: A.W.	DATE: 11-22-2011
SCALE			
21110			
SHEET P-1			

J:\21110\5.9 Drawings\5.9\sub\layouts\21110-P-1lift\_station\_plant.dwg P-1 Apr 27, 2012 1:11 pm casey.collins

# CONSERVATORY PARK

8027 CONSERVATORY DRIVE, BRADENTON, FLORIDA

PREPARED FOR:

## MANATEE COUNTY, FLORIDA

### CONSTRUCTION DOCUMENTS

APRIL 2012

SUBMITTED TO:  
MANATEE COUNTY GOVERNMENT  
PROPERTY MANAGEMENT DEPARTMENT  
1112 MANATEE AVENUE WEST  
BRADENTON, FLORIDA 34205  
PHONE: (941) 749-3003 FAX: (941) 749-3018  
ATTN: TOM YARGER

#### INDEX OF SHEETS

S-1	COVER SHEET
	SURVEY
L-1	DEMOLITION PLAN - 1
L-2	DEMOLITION PLAN - 2
L-3	DEMOLITION PLAN - 3
L-4	SITE LAYOUT PLAN - 1
L-5	SITE LAYOUT PLAN - 2
L-6	SITE LAYOUT PLAN - 3
L-6a	OUTDOOR CLASSROOM ENLARGEMENT
L-7	SITE DETAILS - 1
L-8	SITE DETAILS - 2
L-9	SITE DETAILS - 3
L-10	SITE DETAILS - 4
L-11	SITE DETAILS - 5
L-12	SITE DETAILS - 6
L-13	SITE DETAILS - 7
L-14	SITE DETAILS - 8
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L-19	BRIDGE STRUCTURAL GENERAL NOTES
L-20	PLANTING PLAN - 1
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L-23	PLANTING PLAN - 4 AND LANDSCAPE DETAILS
L-24	LANDSCAPE SPECIFICATIONS
E-1a	ELECTRICAL PLAN - 1
E-1b	ELECTRICAL PLAN - 2
E-2	ELECTRICAL PLAN ENLARGEMENTS & DETAILS

DELETED

#### LANDSCAPE ARCHITECT AND CIVIL ENGINEER

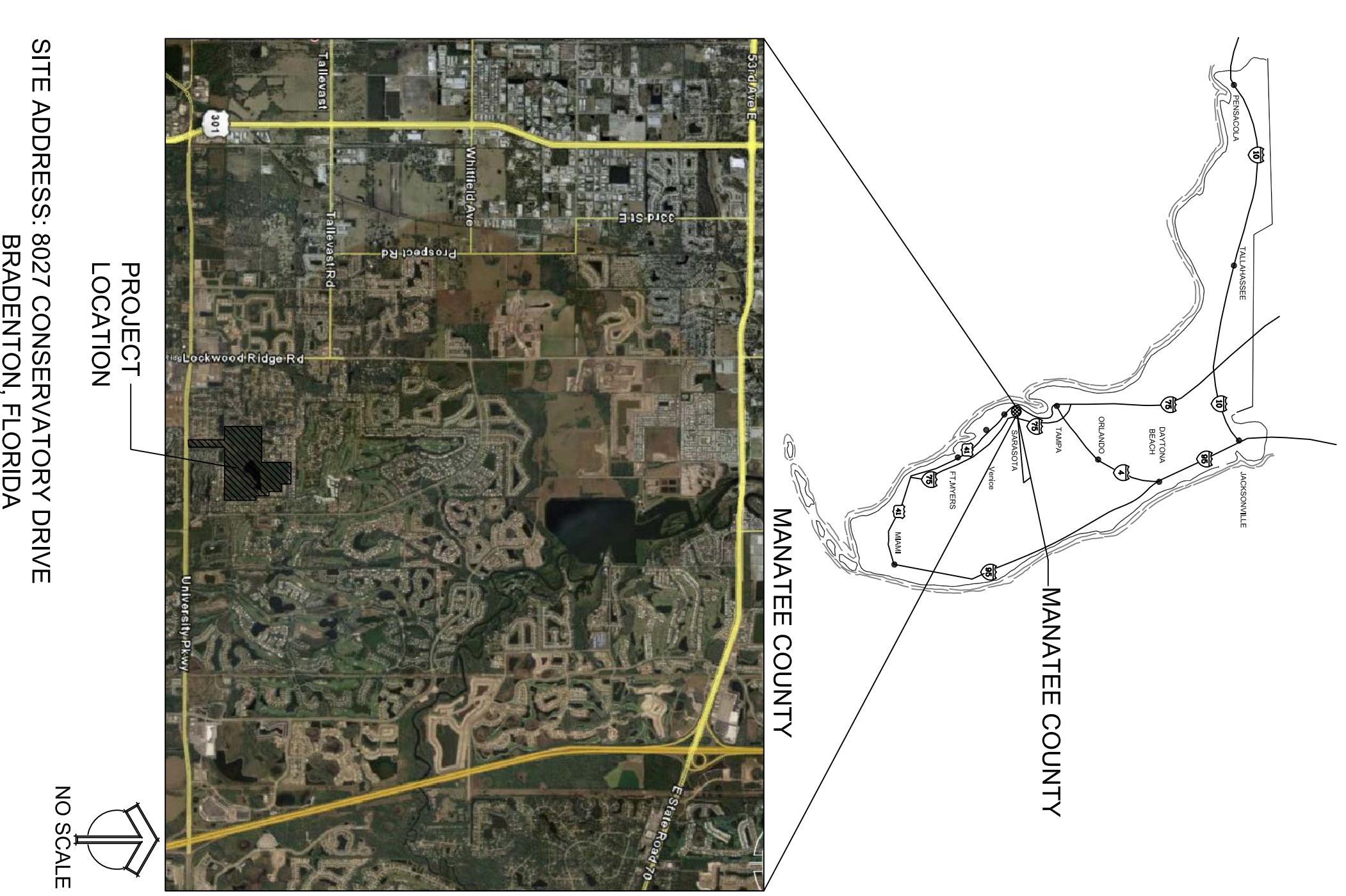


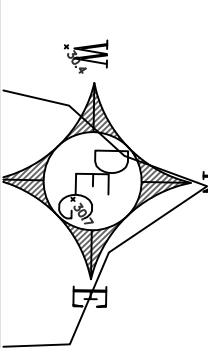
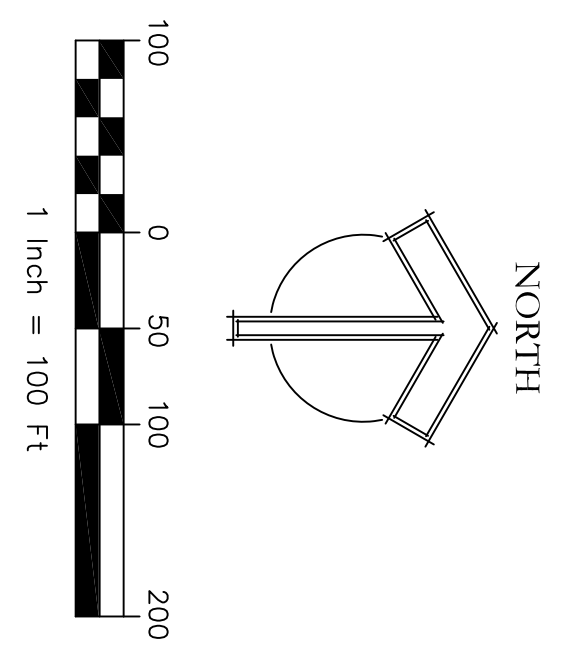
SUZANNE C. THOMPSON, RLA  
FLORIDA LA No.6668908  
1421 5th STREET, SUITE B  
SARASOTA, FLORIDA 34236  
P 941.954.1718  
F 941.954.0231

#### GENERAL CONSTRUCTION NOTES:

1. IT IS UNDERSTOOD THAT MANATEE COUNTY WILL BE HIRING A GENERAL CONTRACTOR FOR THIS PROJECT AND WILL BE UTILIZING THESE SITE IMPROVEMENT DOCUMENTS TO CONSTRUCT THIS PROJECT.
2. THESE PLANS REFLECT CONDITIONS KNOWN DURING DESIGN PHASE OF THIS PROJECT. ACTUAL PHYSICAL CONDITIONS MAY VARY.
3. ALL WORK PERFORMED THROUGHOUT THE PROJECT SHALL CONFORM TO EXISTING LINES AND GRADES UNLESS OTHERWISE NOTED.
4. THE SUB-CONTRACTORS SHALL PROTECT ALL EXISTING STRUCTURES, STORM DRAINS, UTILITIES, AND OTHER FACILITIES TO REMAIN.
5. THE SUB-CONTRACTORS SHALL CONSTRUCT SILT SCREENS, HAY BALES OR OTHER APPROVED DEVICES PRIOR TO CONSTRUCTION TO PREVENT ADVERSE OFF-SITE IMPACT OF STORMWATER QUALITY AND QUANTITY.
6. ALL EXISTING STORM DRAINAGE STRUCTURES SHALL REMAIN UNLESS OTHERWISE NOTED.
7. NOTIFY SUNSHINE STATE OR CALL (1-800-432-4770), AND ALL EXISTING UTILITIES PRIOR TO CONSTRUCTION AND CONNECTION TO EXISTING UTILITIES. PROTECT EXISTING UTILITIES FROM DAMAGE.
8. SHOULD SOD BE REQUIRED ON THESE DRAWINGS UNLESS OTHERWISE NOTED, THE FOLLOWING SHALL BE EXECUTED: LAY SOD AROUND ALL INLETS, MITERED ENDWALLS, HEADWALLS, SWALES LAKE SLOPES, AND 2' MIN. WIDE STRIP ADJACENT TO ALL CURBING. ALL PROPOSED GROUND ELEVATIONS ARE FINISHED SOD ELEVATIONS. FINISHED EARTHWORK GRADING WILL BE 0.2 FEET BELOW ELEVATIONS SHOWN TO ALLOW FOR SOD THICKNESS.

#### LOCATION MAP





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<p>21110 SHEET S-1</p>	<p><b>CONSERVATORY PARK BRADENTON, FLORIDA</b></p> <p><b>SURVEY</b></p>	<p>DRAWN: FW DESIGNED: ST CHECKED: ST DATE: 09/03/10</p>		<p><b>IBI GROUP, INC.</b>  <a href="http://www.ibigroup.com">HTTP://WWW.IBIGROUP.COM</a>                  ENGINEERS CERT OF AUTH #2966      SURVEYORS AC#LB5610                  PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <p>1421 5th STREET, SUITE B                  SARASOTA, FL 34236                  PHONE: (941) 554-7115                  FAX: (941) 554-0231</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">REV.</th> <th style="width: 10%;">DATE</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 25%;">BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV.	DATE	DESCRIPTION	BY																
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**DEMOLITION GENERAL NOTES:**

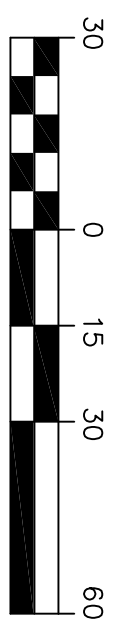
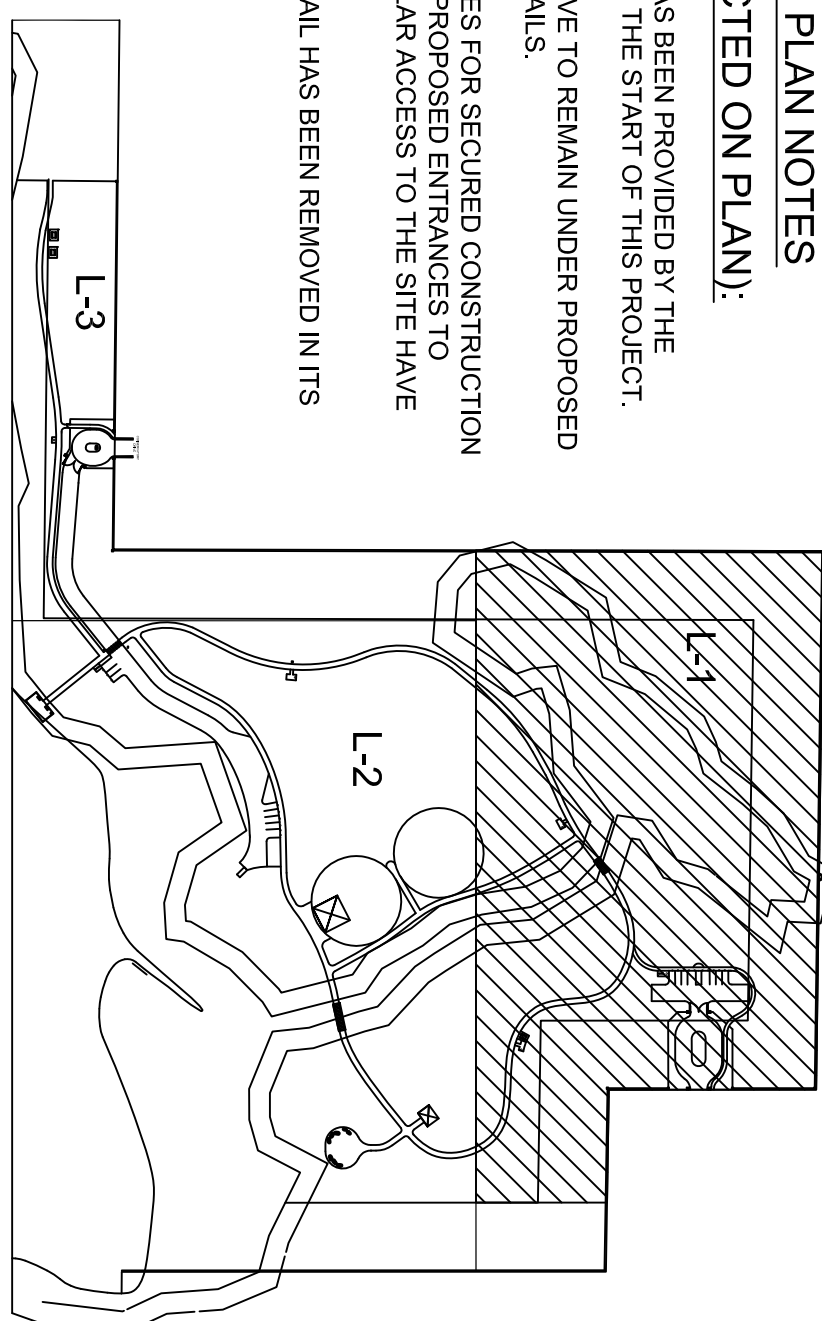
- A) THE BOUNDARY SURVEY WAS PROVIDED BY MANATEE COUNTY, IBI GROUP, INC. IS NOT RESPONSIBLE FOR ITS ACCURACY OR OMISSIONS.
- B) ALL WORK SHALL BE CONFINED TO LIMITS OF CONSTRUCTION SHOWN ON PLANS AND ANY OFF-SITE UTILITY WORK ON ENGINEERS PLANS.
- C) CONTRACTOR SHALL COORDINATE AND BE IN COMPLIANCE WITH ALL STATE AND LOCAL REGULATIONS AS APPLICABLE. CONTRACTOR SHALL NOTIFY MANATEE COUNTY PRIOR TO START OF PROJECT.
- D) ANY DISCREPANCIES FOUND BETWEEN THE DRAWINGS AND SPECIFICATIONS AND EXISTING SITE CONDITIONS OR ANY INCONSISTENCIES OR AMBIGUITIES IN DRAWINGS OR SPECIFICATIONS SHALL BE IMMEDIATELY REPORTED TO THE OWNER AND LANDSCAPE ARCHITECT. IN WRITING, WHO SHALL PROMPTLY ADDRESS SUCH INCONSISTENCIES OR AMBIGUITIES. WORK DONE BY THE CONTRACTOR AFTER HIS DISCOVERY OF SUCH DISCREPANCIES, INCONSISTENCIES OR AMBIGUITIES SHALL BE DONE AT THE CONTRACTOR'S RISK.
- E) DEVIATION FROM THESE PLANS AND NOTES WITHOUT THE PRIOR CONSENT OF THE OWNER, HIS/HER REPRESENTATIVE, OR THE LANDSCAPE ARCHITECT MAY BE THE CAUSE FOR THE WORK TO BE DESIGNATED UNACCEPTABLE.
- F) THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER AND LANDSCAPE ARCHITECT ANY UNFORSEEN OR ADVERSE CONDITIONS DISCOVERED DURING DEMOLITION OPERATIONS.
- G) ALL TRENCES AND/OR JOINS CREATED BY THE REMOVAL OF EXISTING STRUCTURES, & SITE ELEMENTS SHALL BE BACKFILLED PER LOCAL AND STATE REGULATIONS.
- H) THE LOCATION AND SIZE OF KNOWN EXISTING ABOVE GROUND UTILITIES ARE NOT SHOWN ON THE SURVEY. THE CONTRACTOR IS RESPONSIBLE FOR HORIZONTALLY AND VERTICALLY LOCATING AND PROTECTING ALL PUBLIC AND PRIVATE UTILITIES WHICH LIE OR ARE ADJACENT TO THE CONSTRUCTION SITE, AT LEAST 48 HOURS PRIOR TO ANY DEMOLITION, GRADING, OR CONSTRUCTION ACTIVITY CALL SUNSHINE 1-800-432-4770 AND COORDINATE UTILITY WORK WITH MANATEE COUNTY FOR COMPLIANCE WITH LOCAL CODES AND ORDINANCES.
- I) THE CONTRACTOR SHALL PROTECT ALL EXISTING POWER POLES, MANHOLES, TELEPHONE RESS, WATER VALVES, ETC. DURING ALL CONSTRUCTION PHASES, UNLESS NOTED OTHERWISE. THE CONTRACTOR SHALL REPAIR, AT HIS OWN EXPENSE, ANY EXISTING UTILITIES DAMAGED DURING CONSTRUCTION.
- J) CONTRACTOR IS RESPONSIBLE FOR VERIFYING AND/OR OBTAINING ALL REQUIRED PERMITS AND APPROVALS PRIOR TO COMMENCING ANY PROJECT WORK.
- K) ALL DEMOLITION DEBRIS AND OTHER EXCESS MATERIAL SHALL BE HAULED OFF-SITE AS DIRECTED BY THE OWNER AND PROPERLY DISPOSED OF IN A LEGAL MANNER, UNLESS OTHERWISE NOTED.
- L) ALL GENERAL CONDITIONS, SUPPLEMENTARY GENERAL CONDITIONS AND TECHNICAL SPECIFICATIONS OF THE CONTRACT SHALL APPLY.
- M) A TREE REMOVAL PLAN WAS SUBMITTED BY PROPERTY MANAGEMENT AND WAS APPROVED BY MANATEE COUNTY.
- N) PRIOR TO INSTALLATION OF FENCE GATES, THE CONTRACTOR IS TO PROVIDE A FENCE WITH THE NEAREST DRIVE OPENINGS PER DRAWINGS AND OBTAIN CONSTRUCTION APPROVAL OF OWNER. THE COUNTY SHALL FIELD REVIEW & APPROVE FENCE LOCATION DRAWING BY CONTRACTOR PRIOR TO INSTALLATION.

- O) THE CONTRACTOR SHALL COORDINATE AND BE RESPONSIBLE FOR THE STAGING AND REMOVAL OF ALL DEMOLITION ITEMS.
- P) THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING ANY DAMAGE RESULTING FROM CONSTRUCTION ACTIVITY TO EXISTING ELEMENTS THAT ARE TO REMAIN.
- Q) EVERY EFFORT SHALL BE MADE BY THE CONTRACTOR TO PROTECT EXISTING TREES AND SHRUBS. THE CONTRACTOR SHALL NOT BE LIMITED TO INSTALLING TREE PROTECTION FENCING AROUND TREES WITHIN THE AREAS OF CONSTRUCTION ACTIVITY AND ALSO REFRAIN FROM PARKING VEHICLES AND LOADING MATERIALS WITHIN THE DRILLPILE OF TREES. SEE TREE PROTECTION DETAIL.
- R) ANY FOUNDATIONS FOUND ON SITE ARE TO BE REMOVED TO A DEPTH OF 30" BELOW FINAL GRADE BY CONTRACTOR UNLESS CONFLICTS WITH PLANS OCCUR OR PLANS ARE OTHERWISE NOTED.
- S) EROSION CONTROL MEASURES SHALL BE PROVIDED BY THE CONTRACTOR FOR CONSTRUCTION TO PROVIDE LOCATION OF EROSION CONTROL METHODS FOR OWNER'S APPROVAL, PRIOR TO PROJECT COMMENCEMENT. SEE ATTACHED STORMWATER POLLUTION PLAN (SWPP).
- T) OFF-SITE WORK WILL BE REQUIRED TO CONNECT PROPOSED UTILITIES INTO EXISTING UTILITIES. SEE ALL ENGINEERING DRAWINGS FOR OFF-SITE SURVEY, PROPOSED UTILITY CONNECTIONS, AND DETAILS.

**DEMOLITION PLAN NOTES:**

- 1) TREE REMOVAL HAS BEEN PROVIDED BY THE COUNTY PRIOR TO THE START OF THIS PROJECT.
- 2) EXISTING DIRT DRIVE TO REMAIN UNDER PROPOSED ROADWAY AND TRAILS.
- 3) TWO 24" WIDE GATES FOR SECURED CONSTRUCTION ACCESS AT BOTH PROPOSED ENTRANCES TO CONTROL VEHICULAR ACCESS TO THE SITE HAVE BEEN INSTALLED.
- 4) EXISTING GUARDRAIL HAS BEEN REMOVED IN ITS ENTIRETY.

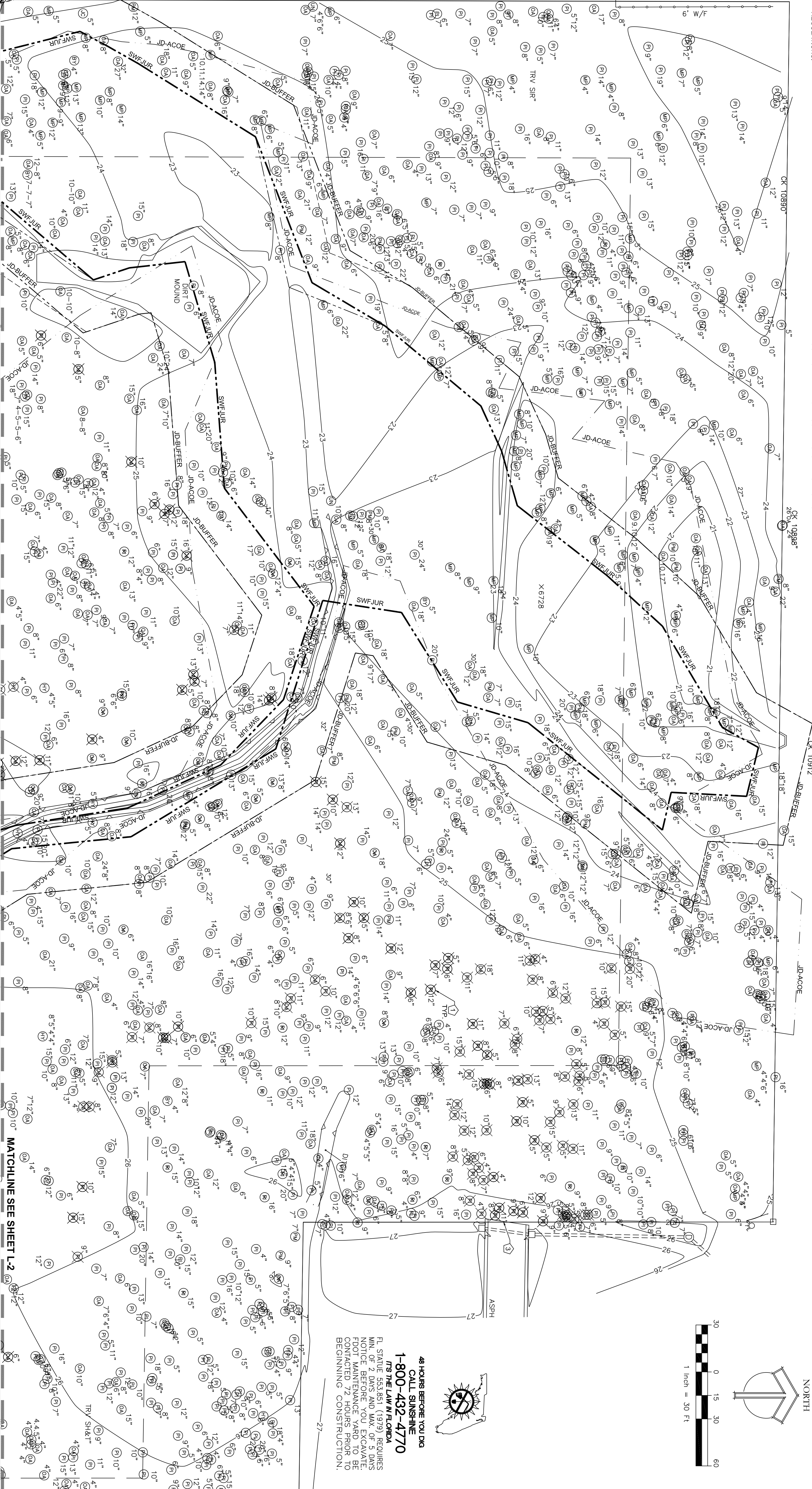
**KEY MAP**



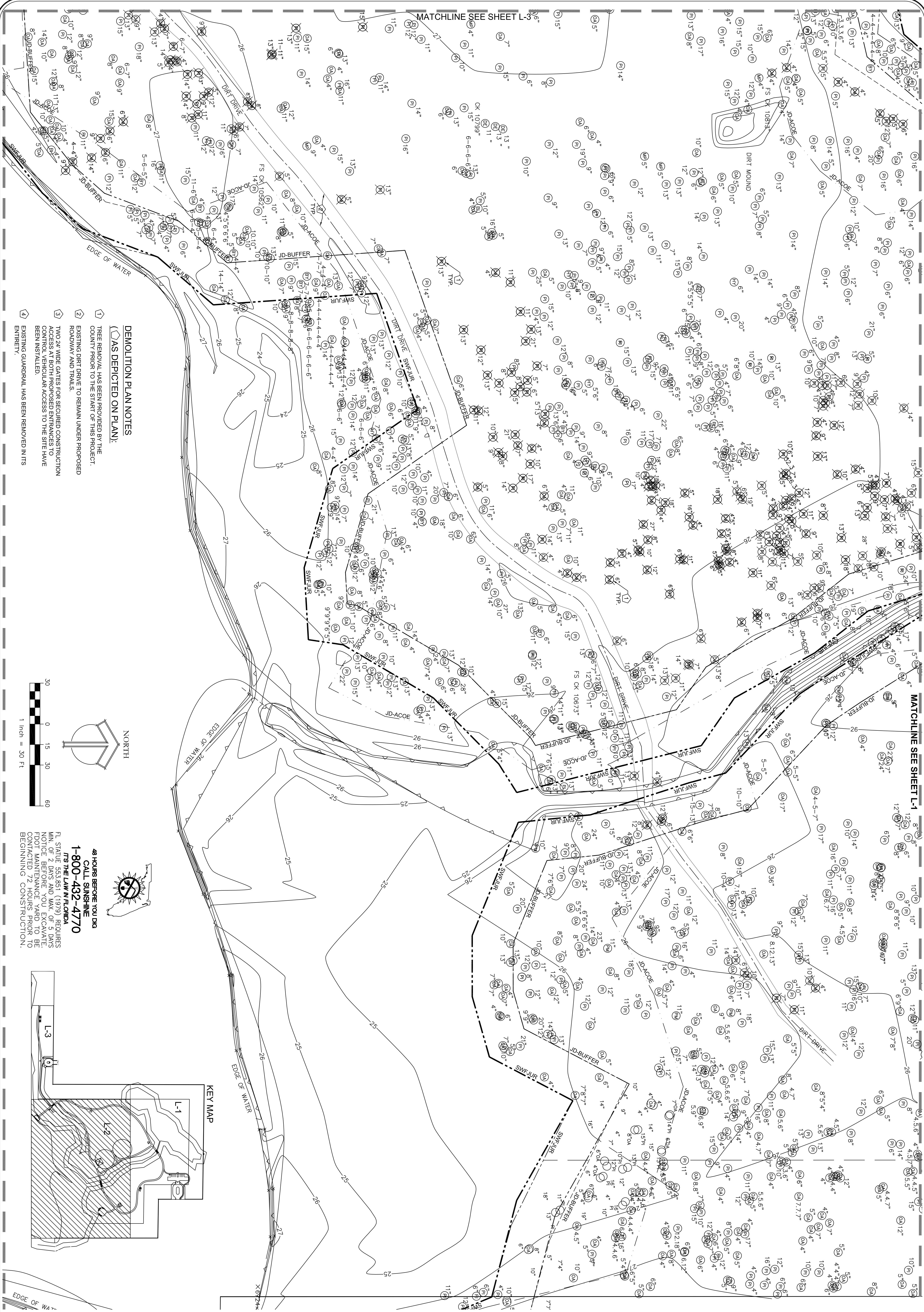
NORTH

**48 HOURS BEFORE YOU DID  
CALL SUNSHINE  
1-800-432-4770  
THE LAW IN FLORIDA**

FL. STATUTE 353.851 (1979) REQUIRES NOTICE BEFORE YOU EXCAVATE FOOT MAINTENANCE YARD TO BE CONTACTED 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.

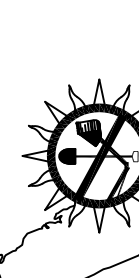
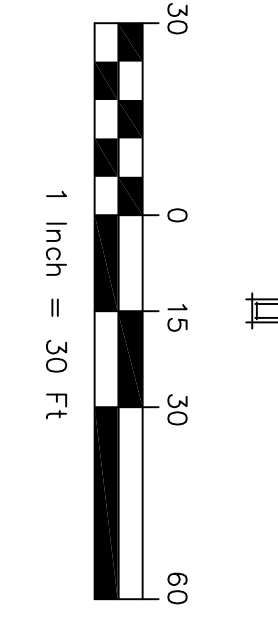


<p>21110 SHEET L-1</p>	<p>SCALE</p>	<p>CONSERVATORY PARK BRADENTON, FLORIDA</p>	<p>DRAWN: FW</p>	<p><b>IBI GROUP</b></p> <p>ENGINEERS CERT OF AUTH #2966 SURVEYORS A/C#LB6110 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <p>1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1718 FAX: (941) 554-0231</p>	<p>REV.</p>	<p>DATE</p>	<p>DESCRIPTION</p>	<p>BY</p>
	<p>SCALE</p>	<p>DEMOLITION PLAN - 1</p>	<p>DESIGNED: ST</p>		<p>DATE</p>	<p>DESCRIPTION</p>	<p>BY</p>	
	<p>SCALE</p>	<p>DEMOLITION PLAN - 1</p>	<p>CHECKED: ST</p>		<p>DATE</p>	<p>DESCRIPTION</p>	<p>BY</p>	
	<p>SCALE</p>	<p>DEMOLITION PLAN - 1</p>	<p>DATE: 09/03/10</p>		<p>DATE</p>	<p>DESCRIPTION</p>	<p>BY</p>	

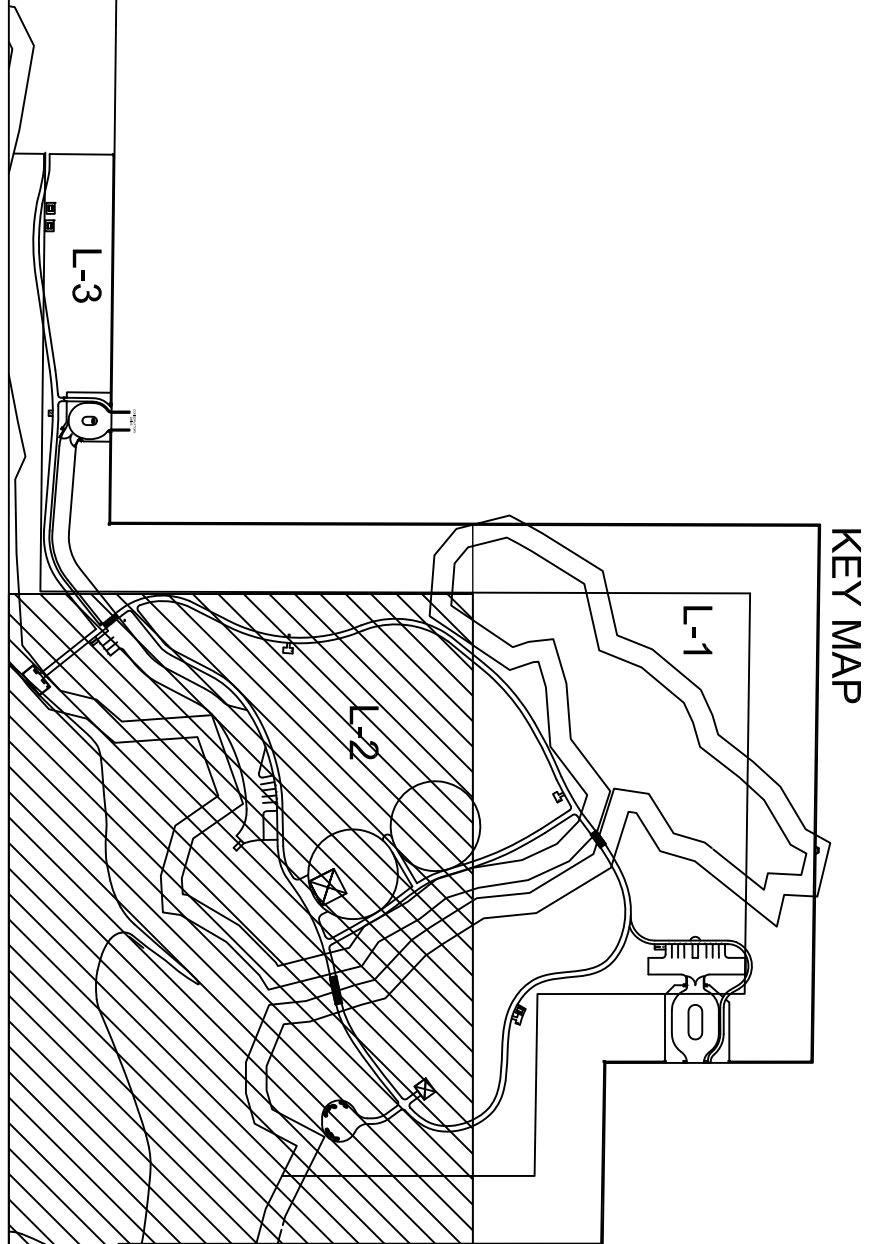


**DEMOLITION PLAN NOTES**  
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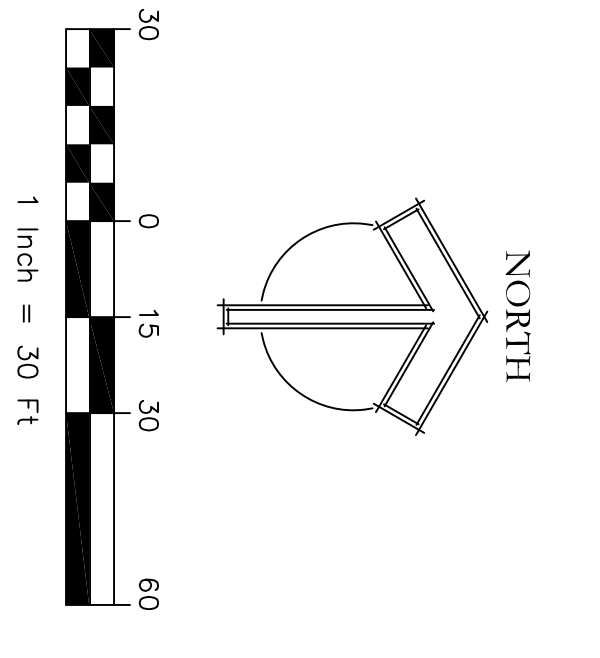
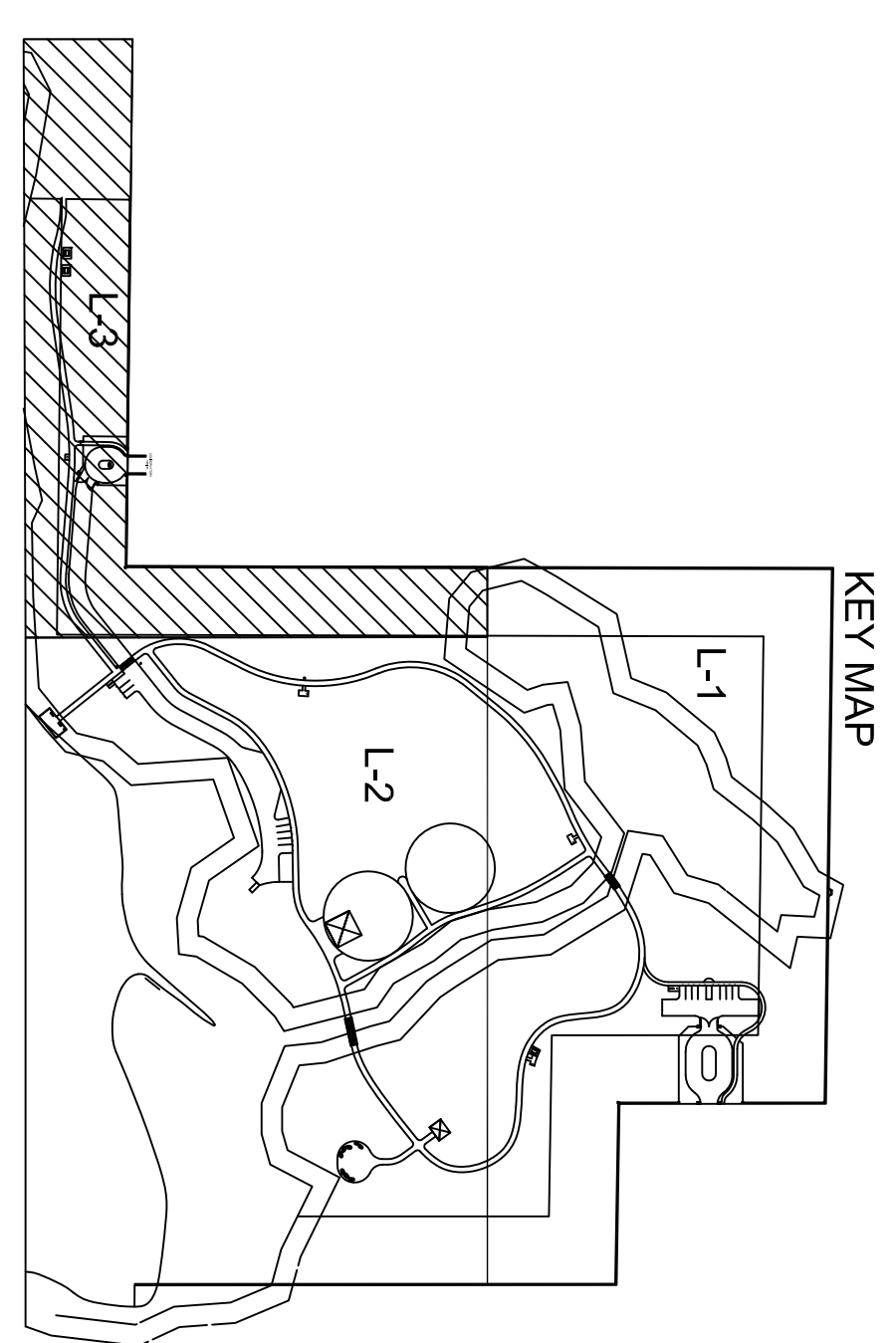
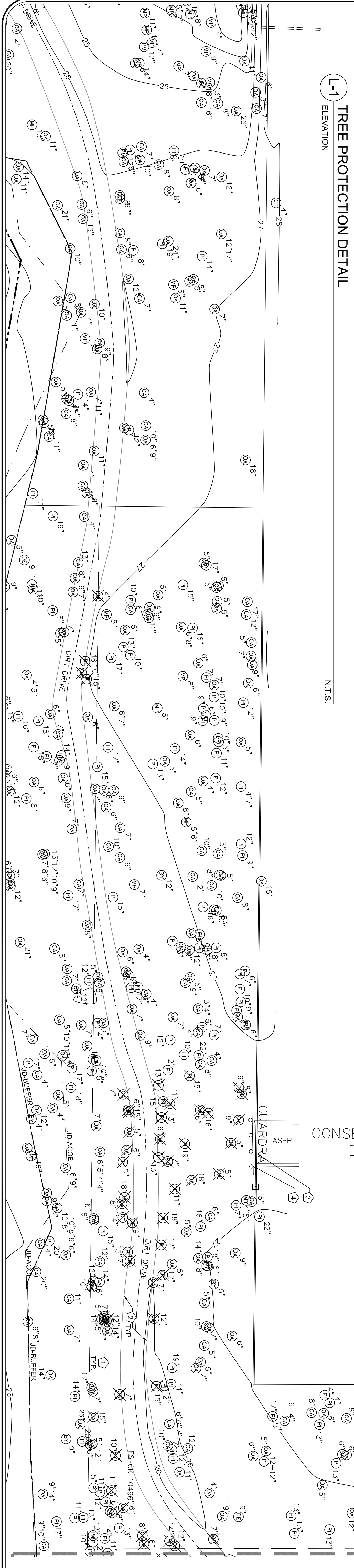
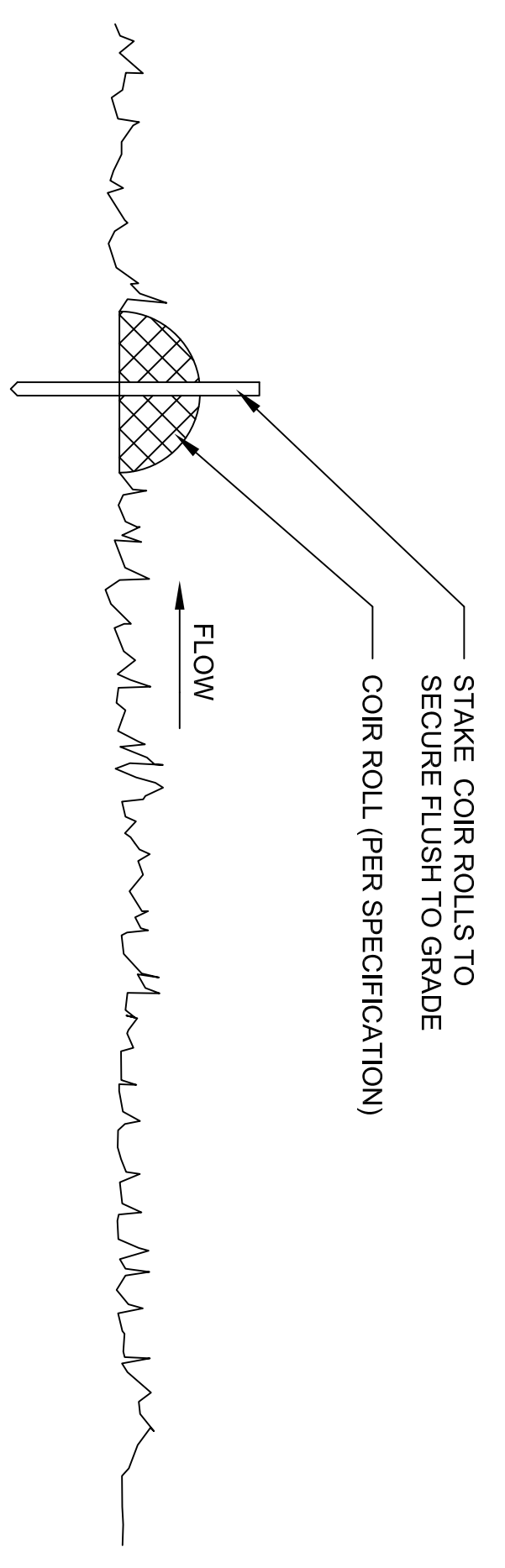


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ITS THE LAW IN FLORIDA  
FL. STATUTE 553.851 (1979) REQUIRES  
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FDOT MAINTENANCE YARD TO BE  
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<p>21110 SHEET L-2</p>	<p>CONSERVATORY PARK BRADENTON, FLORIDA</p> <p>DEMOLITION PLAN - 2</p>	<p>DRAWN: FW DESIGNED: ST CHECKED: ST DATE: 09/03/10</p>	<p><b>IBI GROUP</b></p>	<p><b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LS610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1713 FAX: (941) 554-0231</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">REV.</th> <th style="width: 10%;">DATE</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 25%;">BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV.	DATE	DESCRIPTION	BY								
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FL. STATUTE 553.861 (1079) REQUIRES MIN. OF 2 DAYS AND MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE. FOOT MAINTENANCE YARD TO BE CONTACTED 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.

MATCHLINE SEE SHEET L-1

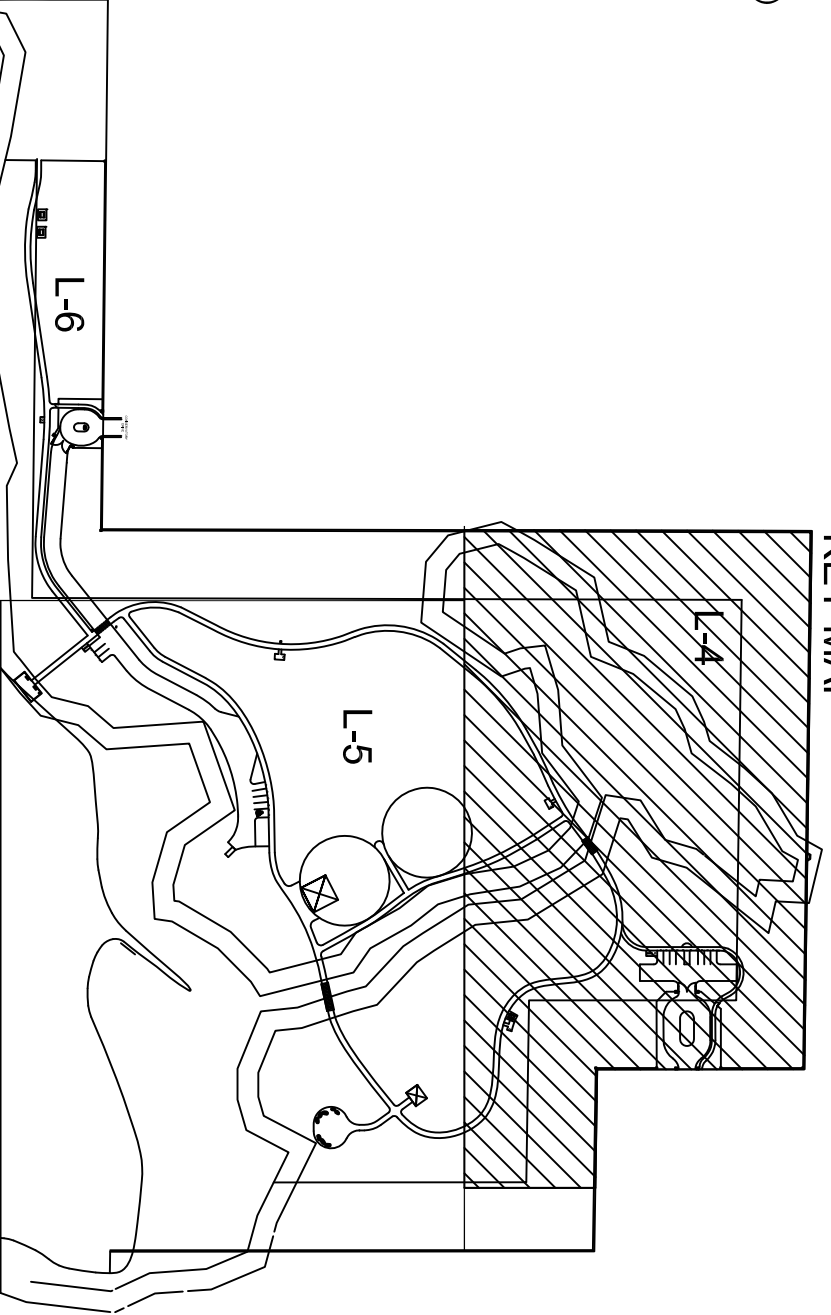
MATCHLINE SEE SHEET L-2

21110 SHEET L-3	CONSERVATORY PARK BRADENTON, FLORIDA DEMOLITION PLAN - 3		DRAWN: FW DESIGNED: ST CHECKED: ST DATE: 09/03/10	IBI GROUP ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1715 FAX: (941) 554-0231	REV. DATE DESCRIPTION BY

**SITE LAYOUT GENERAL NOTES:**

- A) CONTRACTOR TO COORDINATE WITH ADJACENT WORK BY OTHERS.
- B) SEE DEMOLITION PLANS FOR ALL REMOVALS AND PROTECTION OF EXISTING FEATURES.
- C) CONTRACTOR SHALL VERIFY LOCATION, SIZE AND ELEVATION OF EXISTING UTILITIES, STRUCTURES, PIPES, PAVEMENTS, ETC. AS RELATED TO HIS WORK. NOTIFY LANDSCAPE ARCHITECT, ENGINEER AND OWNER OF ANY CONFLICT AND/OR DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS PRIOR TO THE START OF CONSTRUCTION.
- D) IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUAINT HIMSELF/HERSELF WITH SUBSOIL CONDITIONS.
- E) THE PLANS SHOW THE LOCATION OF SOME OF THE UTILITIES LOCATED WITHIN THE LIMITS OF THE CONTRACT AND OUTSIDE THE SITE ACCORDING TO INFORMATION PROVIDED BY THE SURVEY. NOTE THAT THE LOCATION OF UTILITIES IS NOT GUARANTEED AND WAS PROVIDED BY THE CLIENT.
- F) ALL PAVEMENT PATCHING DUE TO UTILITIES INSTALLATION, CONSTRUCTION OF CURBS, ETC. OR DAMAGE TO EXISTING PAVEMENT TO REMAIN DURING CONSTRUCTION, SHALL BE PATCHED WITH A PAVEMENT SECTION WHICH MEETS OR EXCEEDS THE EXISTING SECTION. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR PERFORMING THE WORK.
- G) LANDSCAPE ARCHITECT TO PROVIDE CAD DRAWINGS FOR CONTRACTORS USE IN LAYOUT OF THE PROJECT.
- H) ALL RADII SHALL BE FORMED AS SMOOTH CIRCULAR ARCS WITH NO KINKS, FACETS OR TANGENTS.
- I) SEE GRADING PLAN FOR ALL GRADING INFORMATION (SEE C-SERIES SHEETS).
- J) SEE ENGINEERING PLAN AND DETAILS FOR ALL DRAINAGE INFORMATION. (SEE C-SERIES SHEETS)
- K) THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL TRAFFIC CONTROL DEVICES REQUIRED BY FEDERAL, STATE, CITY, OR LOCAL AGENCIES. THE AMOUNT, LOCATION AND SIZE SHALL BE PER THE DIRECTION OF THE GOVERNING AGENCY.
- L) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, GRAVEL, AND OTHER MATERIALS TRACKED ON PRIVATE OR PUBLIC STREETS OR SIDEWALKS. THE CONTRACTOR SHALL BE RESPONSIBLE TO KEEP ADEQUATE RECORDS OF THE METHODS USED OR OTHER ACCEPTABLE METHODS TO KEEP ADEQUATE RECORDS TO A REQUIRED MINIMUM.
- M) CONTRACTOR TO FIELD STAKE LOCATIONS OF ALL WALKS, PARKING AREAS, SWALES, SIGNAGE, RESTROOM, PICNIC PAVILION, BRIDGES, EXERCISE AREAS AND DECK (OVERLOOK), FOR APPROVAL BY OWNER PRIOR TO START OF CONSTRUCTION.
- N) CONTRACTOR TO SUBMIT DRIVEWAY LAYOUT AND JOINTING PLAN FOR APPROVAL TO OWNER PRIOR TO FORMING CONCRETE DRIVEWAYS.
- O) THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER ANY UNFORESEEN OR ADVERSE CONDITIONS DISCOVERED DURING DEMOLITION OR CONSTRUCTION OPERATIONS.
- P) EXPANSION JOINTS NOT TO EXCEED 20' SPACING.

**KEY MAP**



**SITE LAYOUT PLAN NOTES**

**(OAS DEPICTED ON PLAN):**

- 1 CONCRETE SIDEWALK (SEE L-SERIES DETAILS).
- 2 ASPHALT PAVEMENT (OR APPROVED EQUAL) PARKING LOT (SEE C-SERIES DETAILS).
- 3 ORNAMENTAL FENCE AND GATES (SEE L-SERIES DETAILS).
- 4 INTERPRETIVE SIGN (SEE L-SERIES DETAILS).
- 5 CONCRETE PAD (SEE L-SERIES DETAILS).
- 6 BIKE RACK (SEE L-SERIES DETAILS).
- 7 DOG WASTE STATION (SEE L-SERIES DETAILS).
- 8 HANDICAPPED PARKING (SEE C-SERIES DETAILS).
- 9 LARGE COLUMN (SEE L-SERIES DETAILS).
- 10 ASPHALT PAVEMENT (OR APPROVED EQUAL) TRAIL (SEE C-SERIES DETAILS).
- 11 ALUMINUM PEDESTRIAN GATE (SEE L-SERIES DETAILS).
- 12 DOUBLE VEHICULAR GATE (SEE L-SERIES DETAILS).
- 13 ENTRY SIGN (SEE L-SERIES DETAILS).
- 14 POROUS PAVERS (SEE L-SERIES DETAILS).
- 15 ~~GENERATE-PAD (SEE L-SERIES DETAILS)~~ - DELETED
- 16 INFORMATIVE SIGN (SEE L-SERIES DETAILS).
- 17 NORTH BRIDGE (SEE L-SERIES DETAILS).
- 18 LIGHTING (SEE L-SERIES DETAILS).
- 19 PICNIC PAVILION (OUTLINE SHOWN FOR REFERENCE ONLY (BY OTHERS)).
- 20 SOUTH BRIDGE (SEE L-SERIES DETAILS).
- 21 RESTROOM PAVILION (OUTLINE SHOWN FOR REFERENCE ONLY (BY OTHERS)).
- 22 PLAY SURFACING (BY OTHERS).
- 23 FUTURE DECK (SEE L-SERIES DETAILS).
- 24 WOODEN BOLLARD (SEE L-SERIES DETAILS).
- 25 UTILITY SHED (BY OTHERS), SHOWN FOR REFERENCE ONLY.
- 26 PICNIC TABLE (SEE L-SERIES DETAILS).
- 27 IDENTITY SIGN (SEE L-SERIES DETAILS).
- 28 RULES SIGNS AT PICNIC PAVILION (SEE L-SERIES DETAILS).
- 29 ORIENTING SIGNAGE (SEE L-SERIES DETAILS).
- 30 TRAIL TRAFFIC SIGN (SEE L-SERIES DETAILS).
- 31 CONSERVATION EASEMENT SIGN (SEE L-SERIES DETAILS).
- 32 POROUS CONCRETE (SEE L-SERIES DETAILS).
- 33 MAATEE COUNTY TYPE D CURB (SEE C-SERIES DETAILS).
- 34 LIFT STATION (SEE C-SERIES DETAILS AND DRAWINGS). COUNTY TO DETERMINE SCREENING REQUIREMENTS.
- 35 INTERPRETIVE SIGN - MURAL (SEE L-SERIES DETAILS).
- 36 CROSSWALK STRIPING (SEE C-SERIES DETAILS).
- 37 FITNESS STATION (BY OTHERS).

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**IT'S THE LAW IN FLORIDA**  
 FL STATUTE 553.851 (1979) REQUIRES MIN. OF 2 DAYS AND MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE. FOOT MAINTENANCE YARD TO BE CONTACTED 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.



<p><b>CONSERVATORY PARK</b> BRADENTON, FLORIDA</p> <p style="text-align: center;">SITE LAYOUT PLAN - 1</p>	<p>DRAWN: FW</p> <p>DESIGNED: ST</p> <p>CHECKED: ST</p> <p>DATE: 09/03/10</p>	<p><b>IBI GROUP</b></p> <p>ENGINEERS CERT OF AUTH #2966      SURVEYORS AC#LB2610</p> <p>PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <p>1519 MAIN STREET SARASOTA, FL 34233 PHONE: (941) 554-1718 FAX: (941) 554-0231</p>	<p><b>IBI GROUP, INC.</b></p> <p>HTTP://WWW.IBIGROUP.COM</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th style="width: 5%;">REV.</th> <th style="width: 15%;">DATE</th> <th style="width: 60%;">DESCRIPTION</th> <th style="width: 10%;">BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV.	DATE	DESCRIPTION	BY																
REV.	DATE	DESCRIPTION	BY																					

21110  
L-4  
SCALE



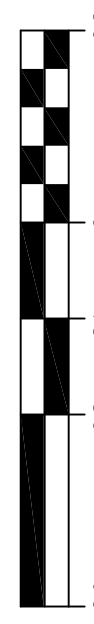
MATCHLINE SEE SHEET L-6

MATCHLINE SEE SHEET L-4



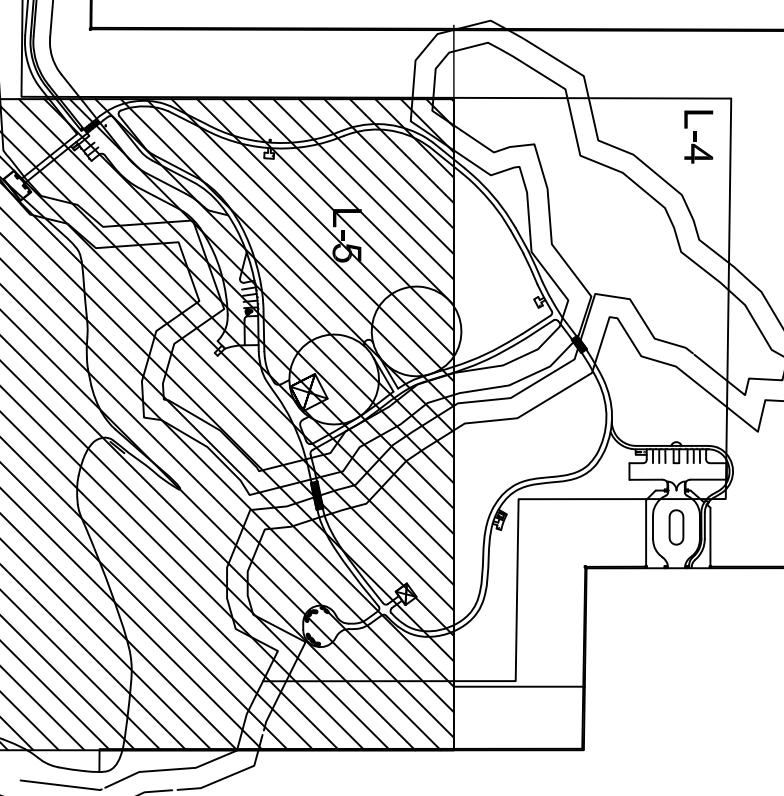
**SITE LAYOUT PLAN NOTES  
(OAS DEPICTED ON PLAN):**

- 1 CONCRETE SIDEWALK (SEE L-SERIES DETAILS).
- 2 ASPHALT PAVEMENT (OR APPROVED EQUAL) PARKING LOT (SEE C-SERIES DETAILS).
- 3 ORNAMENTAL FENCE AND GATES (SEE L-SERIES DETAILS).
- 4 INTERPRETIVE SIGN (SEE L-SERIES DETAILS).
- 5 CONCRETE PAD (SEE L-SERIES DETAILS).
- 6 BIKE RACK (SEE L-SERIES DETAILS).
- 7 DOG WASTE STATION (SEE L-SERIES DETAILS).
- 8 HANDICAPPED PARKING (SEE C-SERIES DETAILS).
- 9 LARGE COLUMN (SEE L-SERIES DETAILS).
- 10 ASPHALT PAVEMENT (OR APPROVED EQUAL) TRAIL (SEE C-SERIES DETAILS).
- 11 ALUMINUM PEDESTRIAN GATE (SEE L-SERIES DETAILS).
- 12 DOUBLE VEHICULAR GATE (SEE L-SERIES DETAILS).
- 13 ENTRY SIGN (SEE L-SERIES DETAILS).
- 14 POROUS PAVERS (SEE L-SERIES DETAILS).
- 15 CONCRETE PAD (SEE L-SERIES DETAILS) - DELETED
- 16 INFORMATIVE SIGN (SEE L-SERIES DETAILS).
- 17 NORTH BRIDGE (SEE L-SERIES DETAILS).
- 18 UP LIGHTING (SEE L-SERIES DETAILS).
- 19 PICNIC PAVILION (OUTLINE SHOWN FOR REFERENCE ONLY (BY OTHERS)).
- 20 SOUTH BRIDGE (SEE L-SERIES DETAILS).
- 21 RESTROOM PAVILION (OUTLINE SHOWN FOR REFERENCE ONLY (BY OTHERS)).
- 22 UTILITY SHED (BY OTHERS), SHOWN FOR REFERENCE ONLY.
- 23 PICNIC TABLE (SEE L-SERIES DETAILS).
- 24 IDENTITY SIGN (SEE L-SERIES DETAILS).
- 25 RULES SIGNS AT PICNIC PAVILION (SEE L-SERIES DETAILS).
- 26 ORIENTING SIGNAGE (SEE L-SERIES DETAILS).
- 27 TRAIL TRAFFIC SIGNS (SEE L-SERIES DETAILS).
- 28 CONSERVATION EASEMENT SIGN (SEE L-SERIES DETAILS).
- 29 POROUS CONCRETE (SEE L-SERIES DETAILS).
- 30 MANATEE COUNT TYPE D CURB (SEE L-SERIES DETAILS).
- 31 LIFT STATION (SEE C-SERIES DETAILS AND DRAWINGS), COUNTY TO DETERMINE SCREENING REQUIREMENTS.
- 32 INTERPRETIVE SIGN - MURAL ON BLANK WALL OF PAVILION
- 33 CROSSWALK STRIPING (SEE L-SERIES DETAILS).
- 34 FITNESS STATION (BY OTHERS).
- 35 STRIPING (SEE SPECIFICATIONS).
- 36 SAFETY LADDER (PER MANATEE COUNTY)



NORTH

**KEY MAP**



**48 HOURS BEFORE YOU DIG  
CALL SUNSHINE  
1-800-432-4770**

**THE LAW IN FLORIDA**  
FL STATE 353.851 (1979) REQUIRES  
MINUTE BEFORE YOU DIG. EXCEPT  
FOOT MAINTENANCE YARD TO BE  
CONTACTED 72 HOURS PRIOR TO  
BEGINNING CONSTRUCTION.

DRAWN: FW  
DESIGNED: ST  
CHECKED: ST  
DATE: 09/03/10



**IBI GROUP, INC.**  
HTTP://WWW.IBIGROUP.COM  
ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB610  
PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS

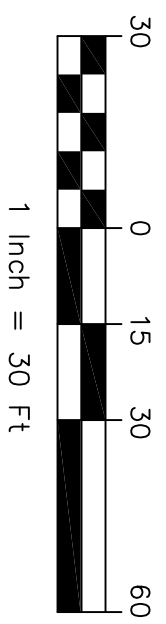
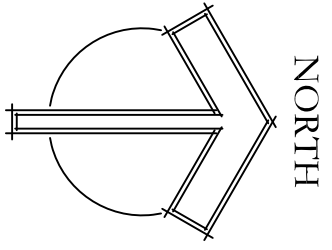
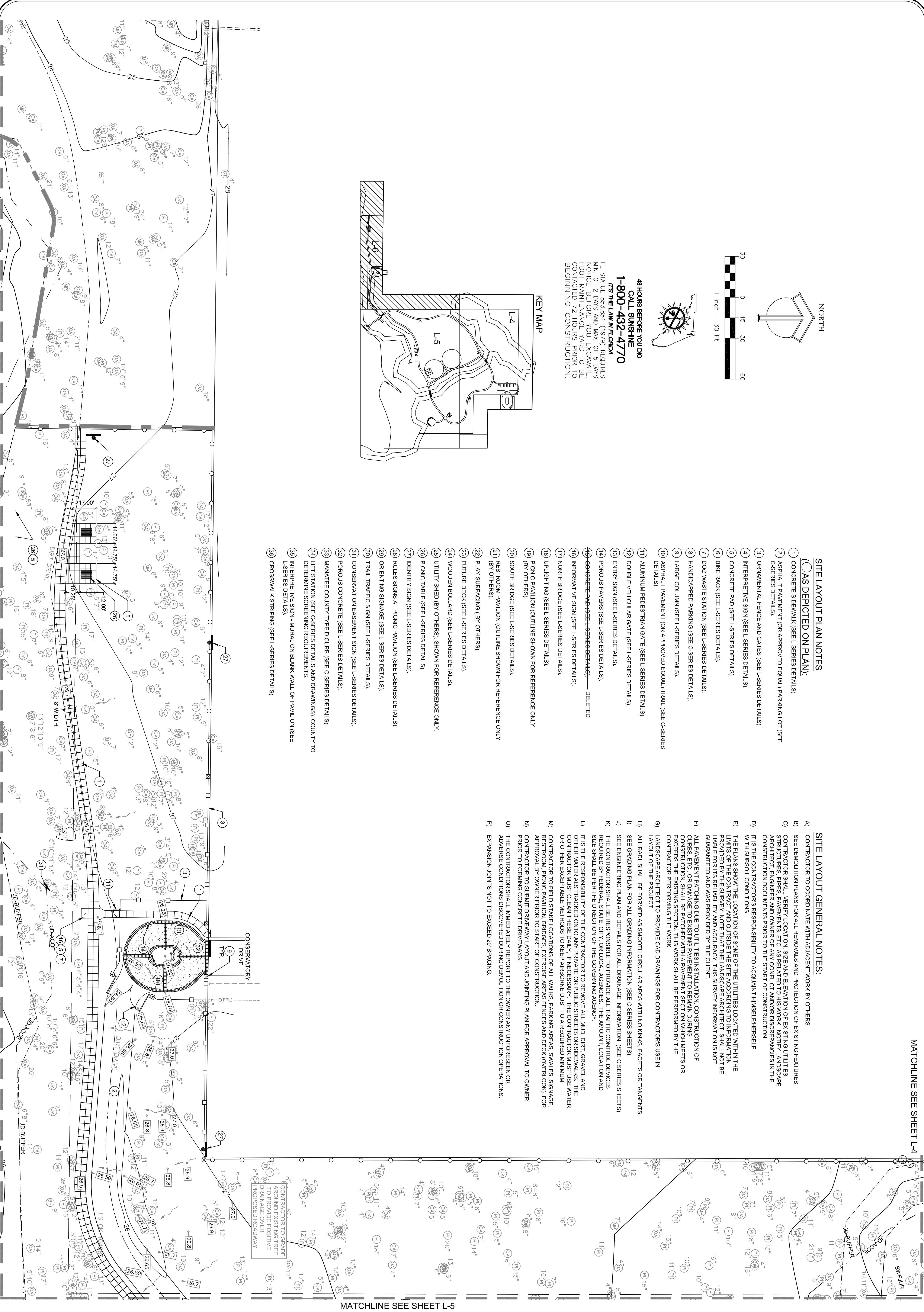
1519 MAIN STREET  
SARASOTA, FL 34233  
PHONE: (941) 554-1718  
FAX: (941) 554-0231

REV.	DATE	DESCRIPTION	BY
4/2/2012		DECK LADDER AND CONSERVATION SIGN ADDED	CNC
3/12/2012		BOARDWALK AND DECK INCLUDED IN CONSTRUCTION DOCUMENT SET	CNC

CONSERVATORY PARK  
BRADENTON, FLORIDA

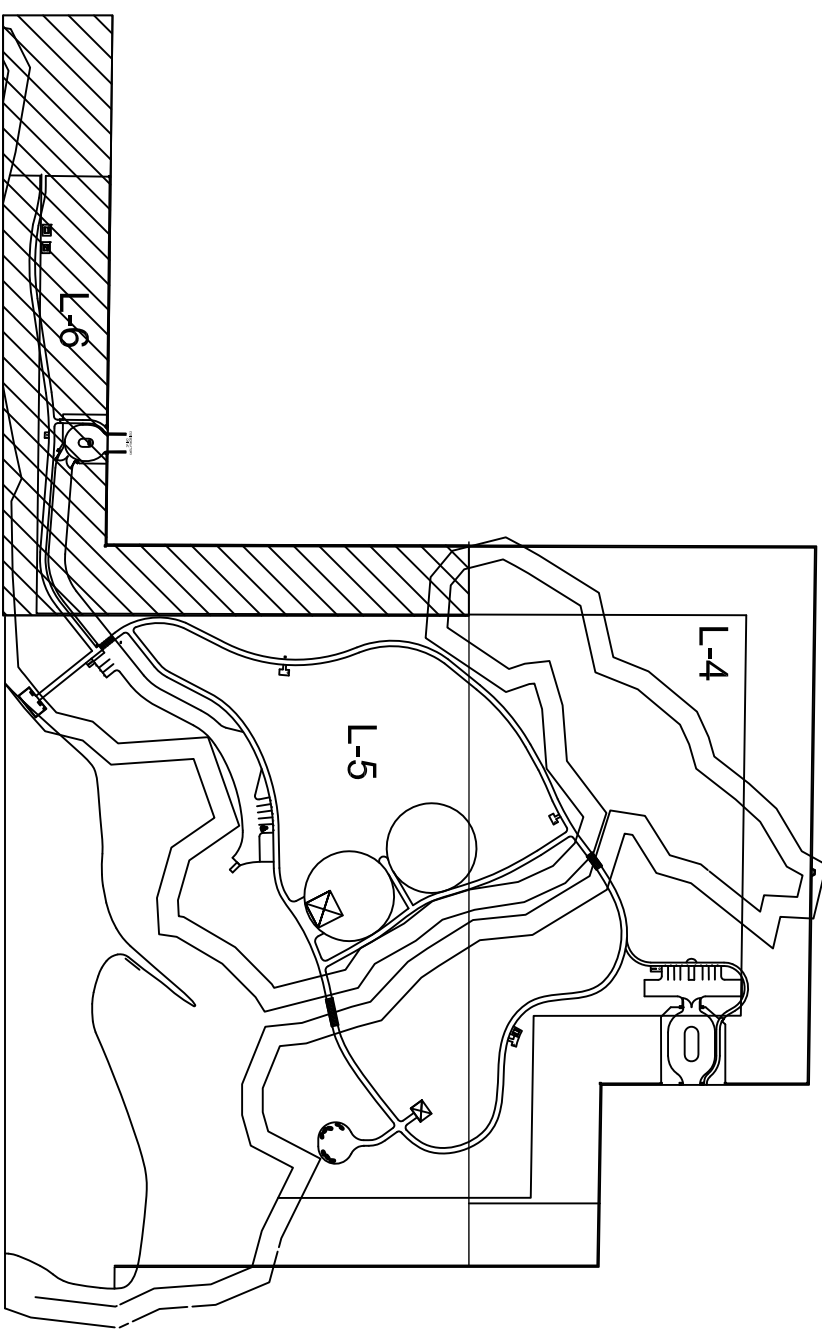
SITE LAYOUT PLAN - 2

21110  
SHEET  
L-5



**48 HOURS BEFORE YOU DIG**  
**CALL SUNSHINE**  
**1-800-432-4770**  
*IT'S THE LAW IN FLORIDA*  
 FL. STATUTE 553.851 (1979). REQUIRES MIN. OF 2 DAYS AND MAX. OF 5 DAYS NOTICE BEFORE YOU EXCAVATE. FOOT MAINTENANCE YARD TO BE CONTACTED 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.

**KEY MAP**



**SITE LAYOUT PLAN NOTES**  
**(OAS DEPICTED ON PLAN):**

- 1 CONCRETE SIDEWALK (SEE L-SERIES DETAILS).
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- 20 SOUTH BRIDGE (SEE L-SERIES DETAILS).
- 21 RESTROOM PAVILION (OUTLINE SHOWN FOR REFERENCE ONLY (BY OTHERS)).
- 22 PLAY SURFACING (BY OTHERS).
- 23 FUTURE DECK (SEE L-SERIES DETAILS).
- 24 WOODEN BOLLARD (SEE L-SERIES DETAILS).
- 25 UTILITY SHED (BY OTHERS). SHOWN FOR REFERENCE ONLY.
- 26 PICNIC TABLE (SEE L-SERIES DETAILS).
- 27 IDENTITY SIGN (SEE L-SERIES DETAILS).
- 28 RULES SIGNS AT PICNIC PAVILION (SEE L-SERIES DETAILS).
- 29 ORIENTING SIGNAGE (SEE L-SERIES DETAILS).
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- 33 MANATEE COUNTY TYPE D CURB (SEE C-SERIES DETAILS).
- 34 LIFT STATION (SEE C-SERIES DETAILS AND DRAWINGS). COUNTY TO DETERMINE SCREENING REQUIREMENTS.
- 35 INTERPRETIVE SIGN - MURAL ON BLANK WALL OF PAVILION (SEE L-SERIES DETAILS).
- 36 CROSSWALK STRIPING (SEE L-SERIES DETAILS).

**SITE LAYOUT GENERAL NOTES:**

- A) CONTRACTOR TO COORDINATE WITH ADJACENT WORK BY OTHERS.
- B) SEE DEMOLITION PLANS FOR ALL REMOVALS AND PROTECTION OF EXISTING FEATURES.
- C) CONTRACTOR SHALL VERIFY LOCATION, SIZE AND ELEVATION OF EXISTING UTILITIES, STRUCTURES, PIPES, PAVEMENTS, ETC. AS RELATED TO HIS WORK. NOTIFY LANDSCAPE ARCHITECT, ENGINEER AND OWNER OF ANY CONFLICT AND/OR DISCREPANCIES IN THE CONSTRUCTION DOCUMENTS PRIOR TO THE START OF CONSTRUCTION.
- D) IT IS THE CONTRACTOR'S RESPONSIBILITY TO ACQUAINT HIMSELF HERSELF WITH SUBSOIL CONDITIONS.
- E) THE PLANS SHOW THE LOCATION OF SOME OF THE UTILITIES LOCATED WITHIN THE LIMITS OF THE CONTRACT AND OUTSIDE THE SITE ACCORDING TO INFORMATION PROVIDED BY THE SURVEY. NOTE THAT THE LANDSCAPE ARCHITECT SHALL NOT BE LIABLE FOR THE RELIABILITY AND ACCURACY. THIS SURVEY INFORMATION IS NOT GUARANTEED AND WAS PROVIDED BY THE CLIENT.
- F) ALL PAVEMENT PATCHING DUE TO UTILITIES INSTALLATION, CONSTRUCTION OF CURBS, ETC. OR DAMAGE TO EXISTING PAVEMENT TO REMAIN DURING CONSTRUCTION, SHALL BE PATCHED WITH A PAVEMENT SECTION WHICH MEETS OR EXCEEDS THE EXISTING SECTION. THIS WORK SHALL BE PERFORMED BY THE CONTRACTOR PERFORMING THE WORK.
- G) LANDSCAPE ARCHITECT TO PROVIDE CAD DRAWINGS FOR CONTRACTORS USE IN LAYOUT OF THE PROJECT.
- H) ALL RADII SHALL BE FORMED AS SMOOTH CIRCULAR ARCS WITH NO KINKS, FACETS OR TANGENTS.
- I) SEE GRADING PLAN FOR ALL GRADING INFORMATION (SEE C-SERIES SHEETS).
- J) SEE ENGINEERING PLAN AND DETAILS FOR ALL DRAINAGE INFORMATION. (SEE C-SERIES SHEETS)
- K) THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL TRAFFIC CONTROL DEVICES REQUIRED BY FEDERAL, STATE, CITY, OR LOCAL AGENCIES. THE AMOUNT, LOCATION AND SIZE SHALL BE PER THE DIRECTION OF THE GOVERNING AGENCY.
- L) IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO REMOVE ALL MUD, DIRT, GRAVEL AND OTHER MATERIALS TRACKED ONTO ANY PRIVATE OR PUBLIC STREETS OR SIDEWALKS. THE CONTRACTOR MUST CLEAN THESE DAILY, IF NECESSARY. THE CONTRACTOR MUST USE WATER OR OTHER ACCEPTABLE METHODS TO KEEP AMBIENT DUST TO A REQUIRED MINIMUM.
- M) CONTRACTOR TO FIELD STAKE LOCATIONS OF ALL WALKS, PARKING AREAS, SWALES, SIGNAGE, RESTROOM, PICNIC PAVILION, BRIDGES, EXERCISE AREAS, FENCES AND DECK (OVERLOOK), APPROVAL BY OWNER PRIOR TO START OF CONSTRUCTION.
- N) CONTRACTOR TO SUBMIT DRIVEWAY LAYOUT AND JOINTING PLAN FOR APPROVAL TO OWNER PRIOR TO FORMING CONCRETE DRIVEWAYS.
- O) THE CONTRACTOR SHALL IMMEDIATELY REPORT TO THE OWNER ANY UNDESIRABLE OR ADVERSE CONDITIONS DISCOVERED DURING DEMOLITION OR CONSTRUCTION OPERATIONS.
- P) EXPANSION JOINTS NOT TO EXCEED 20' SPACING.

MATCHLINE SEE SHEET L-4

MATCHLINE SEE SHEET L-5

REV.	DATE	DESCRIPTION	BY

**IBI GROUP, INC.**  
 HTTP://WWW.IBIGROUP.COM  
 ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB610  
 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS  
 1519 MAIN STREET  
 SARASOTA, FL 34233  
 PHONE: (941) 554-1314  
 FAX: (941) 554-0231

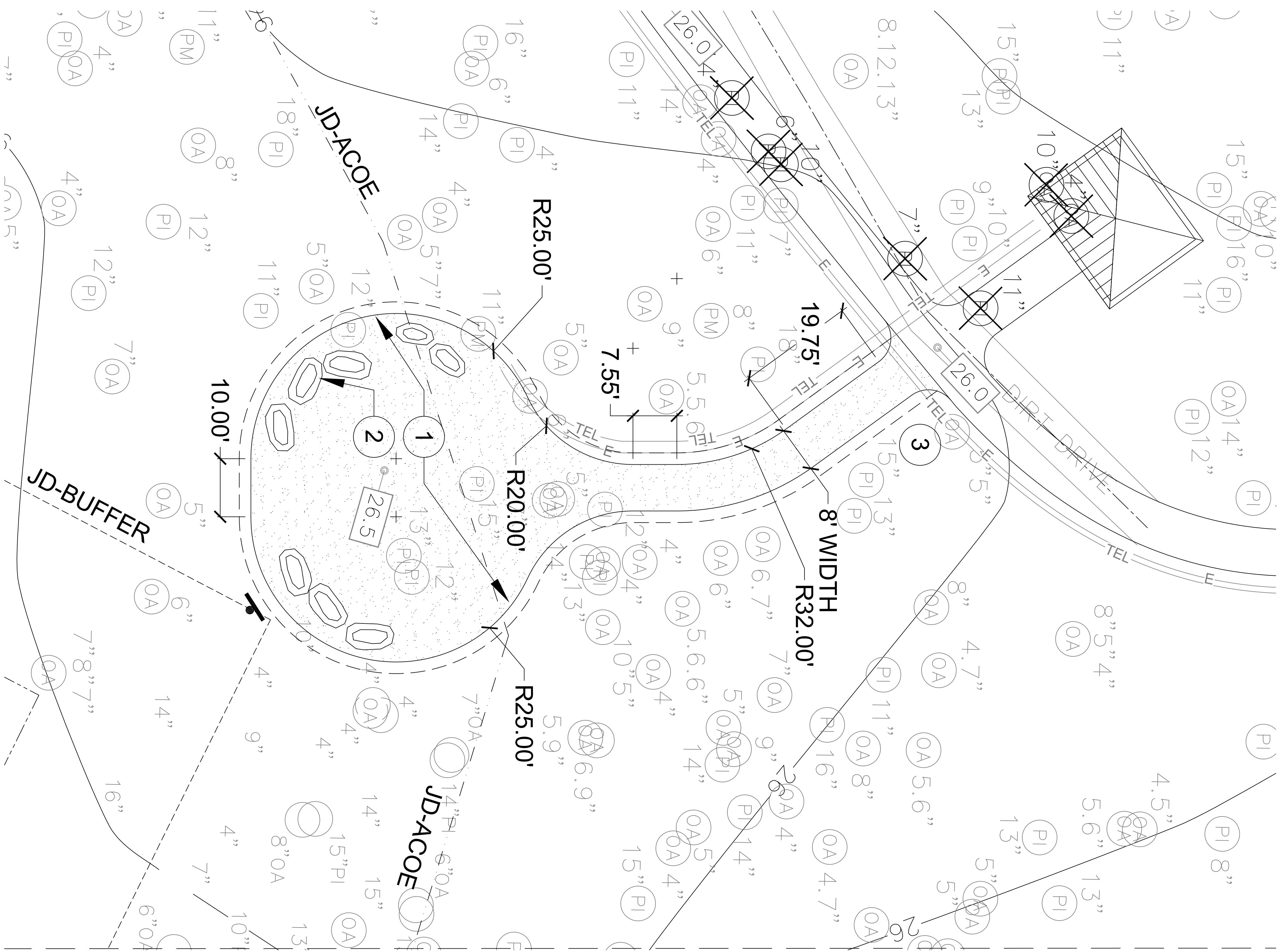


DRAWN: FW  
 DESIGNED: ST  
 CHECKED: ST  
 DATE: 09/03/10

CONSERVATORY PARK  
 BRADENTON, FLORIDA  
 SITE LAYOUT PLAN - 3

21110  
 SHEET  
 L-6

SCALE



**ENLARGEMENT PLAN GENERAL NOTES**

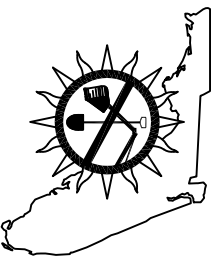
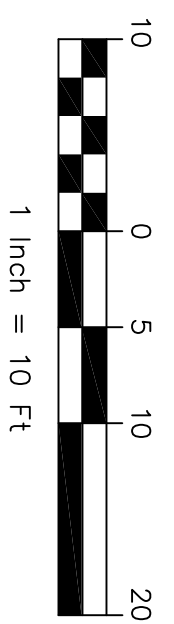
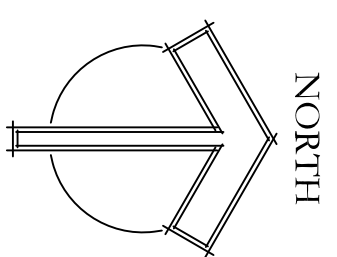
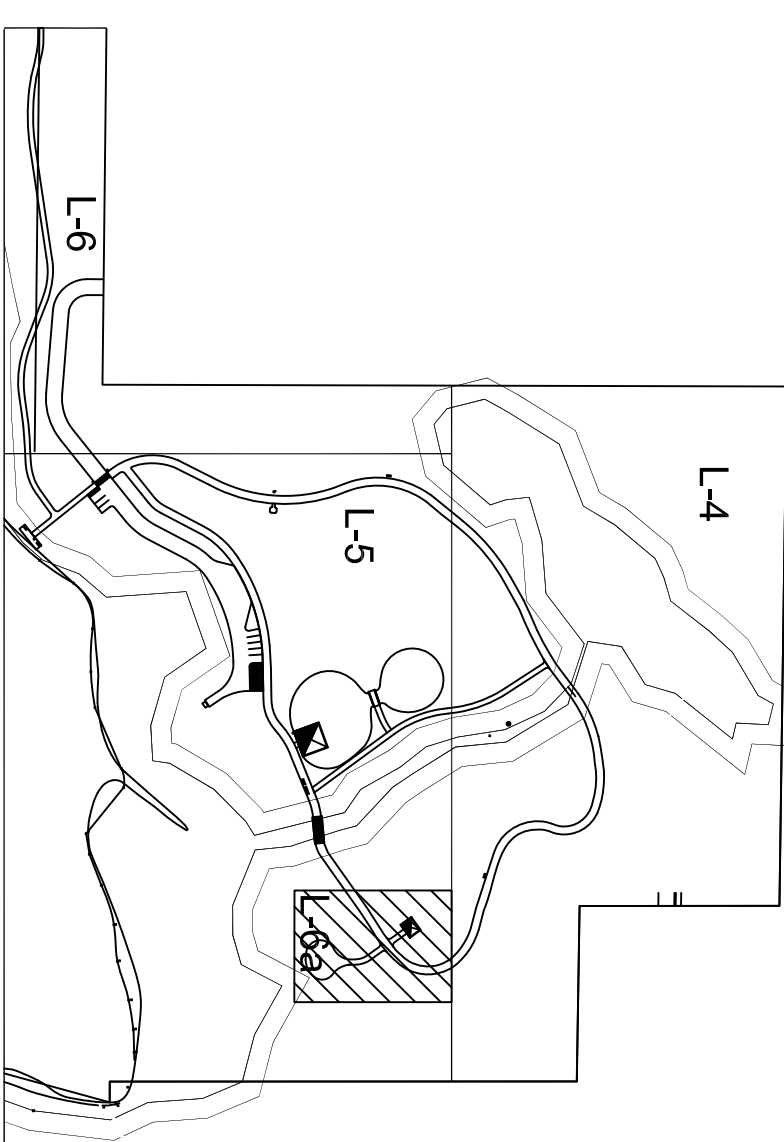
- A ENLARGEMENT AREA AND CONNECTOR TRAIL ARE TO BE FIELD STAKED AND LOCATION APPROVED BY THE OWNER PRIOR TO CONSTRUCTION.
- B ENLARGEMENT AREA AND CONNECTOR TRAIL ARE TO BE LOCATED AS TO LIMIT THE IMPACT TO EXISTING CANOPY TREES. LAYOUT IS SHOWN AS A RECOMMENDATION WITH FIELD ADJUSTMENT LIKELY NECESSARY.
- C PROTECT EXISTING TREES DURING CONSTRUCTION. SEE DETAILS ON L-SERIES SHEET AND SPECIFICATIONS.
- D UTILITY PLACEMENT (AND CONDUIT) SHOULD BE INSTALLED TO LIMIT IMPACT TO EXISTING CANOPY TREES.

**ENLARGEMENT PLAN NOTES:**

1 OAS DEPICTED ON PLAN:

- 1 POROUS PAVEMENT (FLEXPAVE OR OWNER APPROVED EQUIVALENT). SEE DETAIL ON L-SERIES SHEETS.
- 2 COUNTY PROVIDED STONES FOR SEATING TO BE ARRANGED IN THE FLEXIBLE PAVEMENT SIZE AND SHOWN AS A RECOMMENDATION ONLY.
- 3 ALIGN OUTDOOR CLASSROOM ENTRY PATH WITH PATH TO PICNIC PAVILION

**KEY MAP**



**48 HOURS BEFORE YOU DIG  
CALL SUNSHINE  
1-800-432-4770**  
BY THE LAW IN FLORIDA  
FL. STATUTE 323.831 (1979) REQUIRES  
NOTICE 2 WEEKS BEFORE YOU EXCAVATE  
FOOT MAINTENANCE YARD TO BE  
CONTACTED 72 HOURS PRIOR TO  
BEGINNING CONSTRUCTION.

REV.	DATE	DESCRIPTION	BY

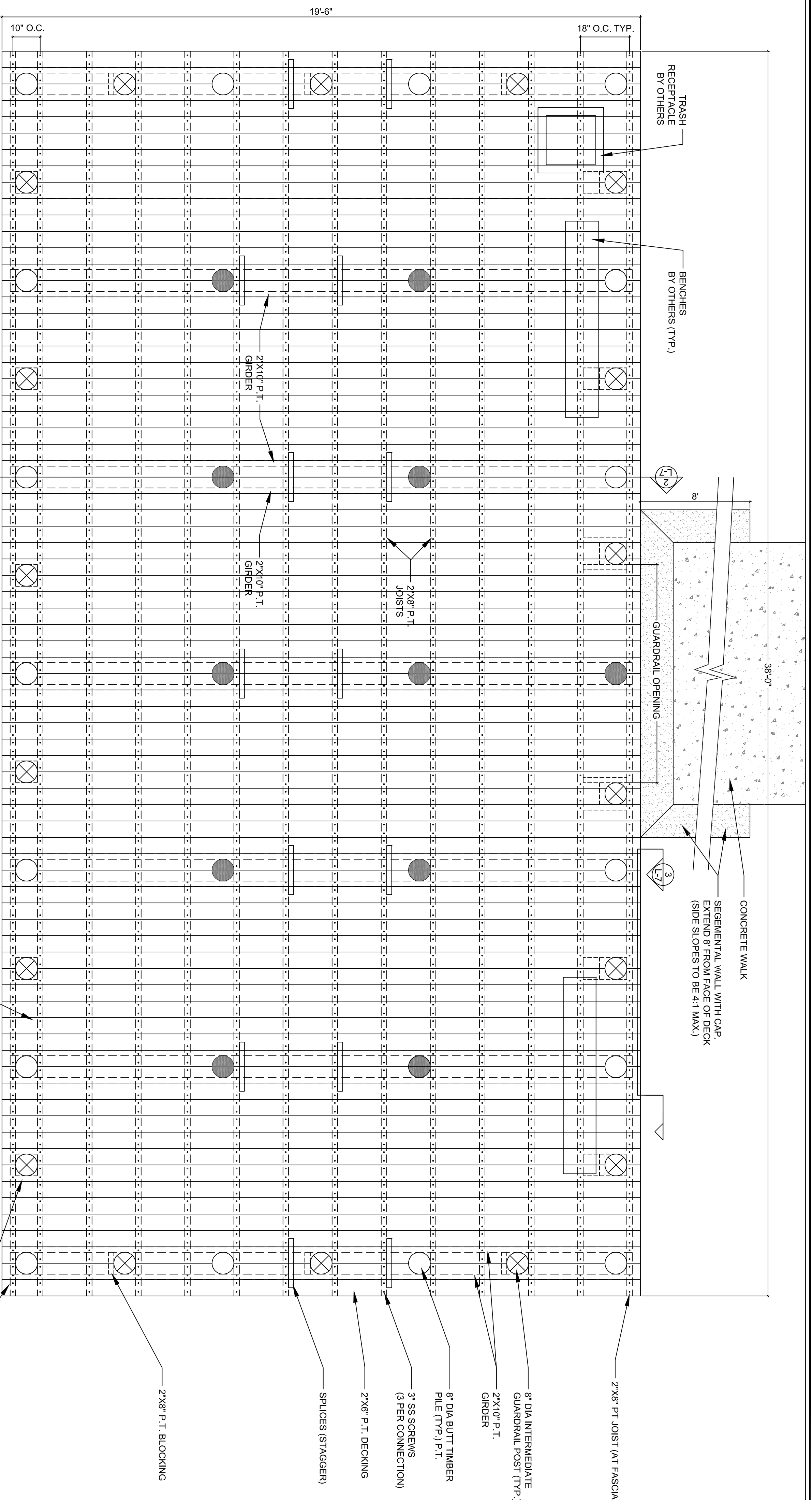
**IBI GROUP, INC.**  
[HTTP://WWW.IBIGROUP.COM](http://www.ibigroup.com)  
 ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610  
 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS  
 1519 MAIN STREET  
 SARASOTA, FL 34233  
 PHONE: (941) 554-1714  
 FAX: (941) 554-0231



DRAWN: FW
DESIGNED: ST
CHECKED: ST
DATE: 09/03/10

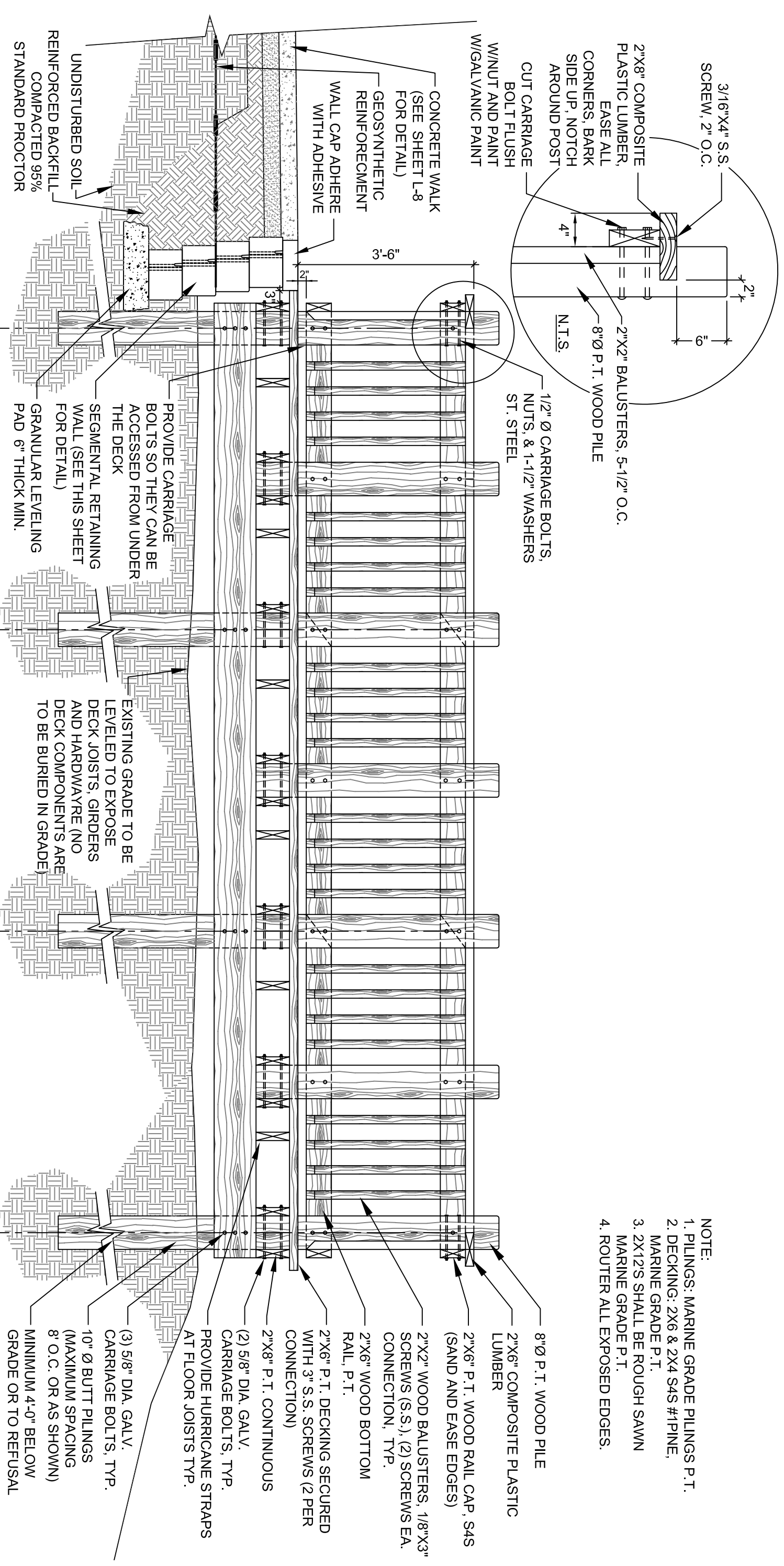
CONSERVATORY PARK  
BRADENTON, FLORIDA  
**OUTDOOR CLASSROOM  
ENLARGEMENT**

SCALE
<b>21110</b>
SHEET
<b>L-6a</b>



SAFETY LADDER TO BE PROVIDED BY MANATEE COUNTY. CONTRACTOR TO COORDINATE WITH THE COUNTY ON THE SELECTION AND PLACEMENT OF THE LADDER.

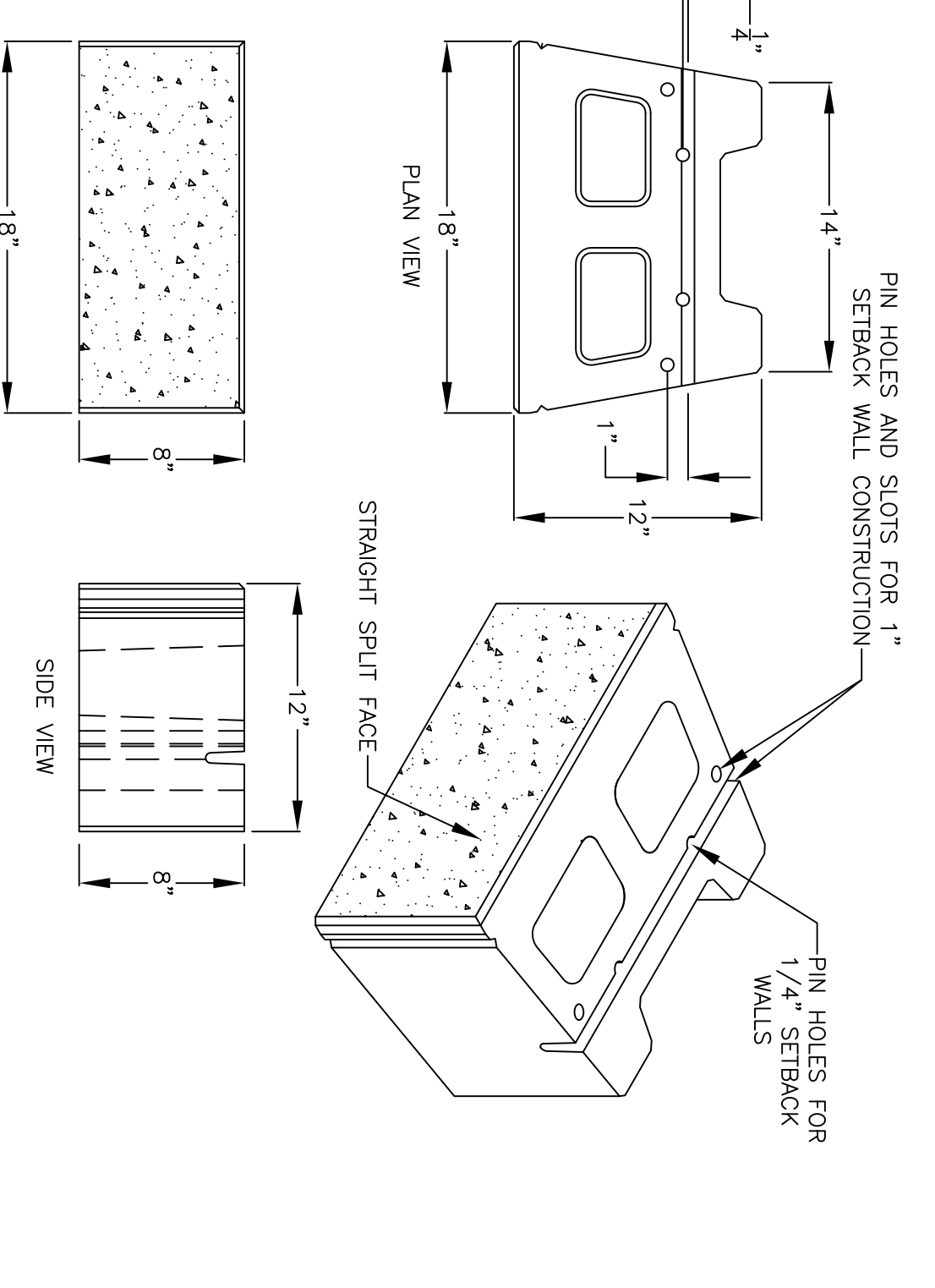
**1 DECK - SEATING AREA**  
NOT TO SCALE



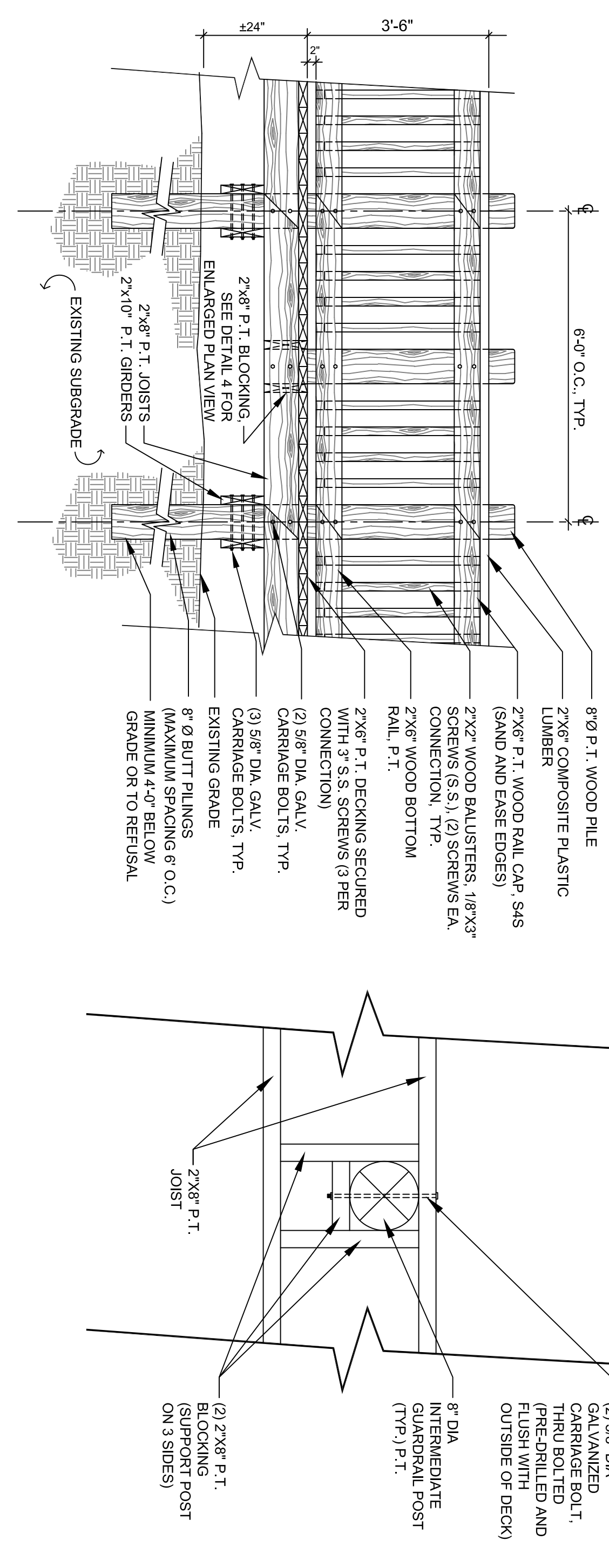
- NOTE:
1. PILING: MARINE GRADE PILING P.T.
  2. DECKING: 2X6 & 2X4 S4S #1-PINE, MARINE GRADE P.T.
  3. 2X12'S SHALL BE ROUGH SAWN MARINE GRADE P.T.
  4. ROUTER ALL EXPOSED EDGES.

- NOTE:
1. ALL DECKING TO BE FASTENED WITH STAINLESS STEEL SCREWS, THREE PER CONNECTION.
  2. NOTCH JOISTS IN FIELD TO REST ON BEAMS.

**2 VERSA-LOK SQUARE FOOT UNIT**  
NOT TO SCALE

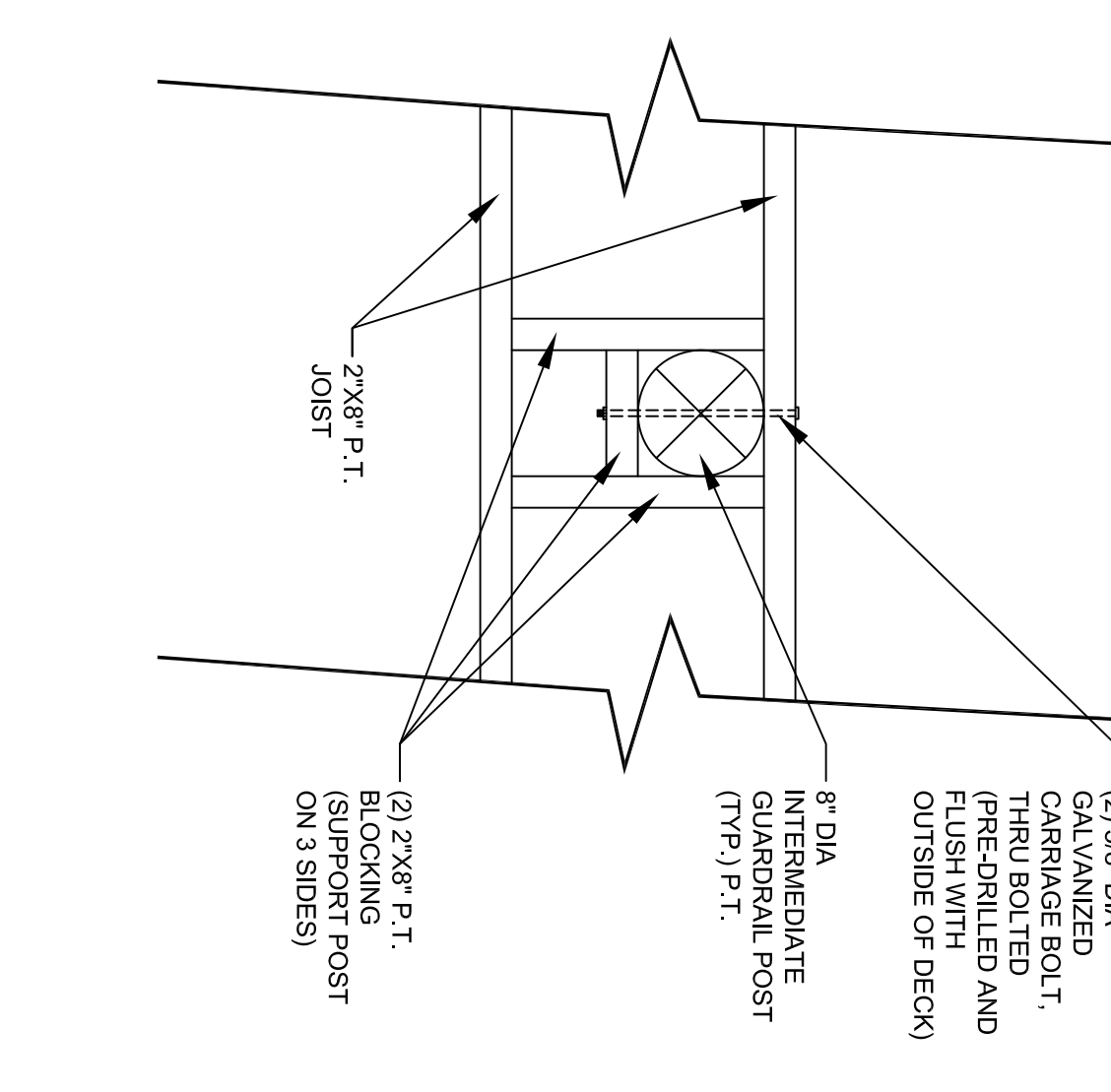


- DECK NOTES**
1. TREATED ROUND TIMBERS SHALL CONFORM TO ASTM D25.
  2. TIMBER FOR TREATED PILES SHALL BE SOUTHERN YELLOW PINE.
  3. TIMBER PILES INSTALLED TO DEVELOP COMPRESSIVE LOADS OF 1.5 TONS PER PILE AND TENSION UP/LIFT OF 0.5 TONS PER PILE.
  4. TIMBER PILES SHALL HAVE A MINIMUM TIP DIAMETER OF 8 INCHES (25 INCH CIRCUMFERENCE) AND A MINIMUM BUTT DIAMETER OF 12 INCHES MEASURED 3 FEET FROM THE BUTT. (38\"/>



**4 DECK ELEVATION WITH GUARDRAILS**  
NOT TO SCALE

**3 DECK SECTION WITH GUARDRAILS**  
NOT TO SCALE



**5 INTERMEDIATE POST BRACING DETAIL**  
NOT TO SCALE

CONSERVATORY PARK  
BRADENTON, FLORIDA

SITE DETAILS - 1

DRAWN: FW  
DESIGNED: ST  
CHECKED: ST  
DATE: 09/03/10

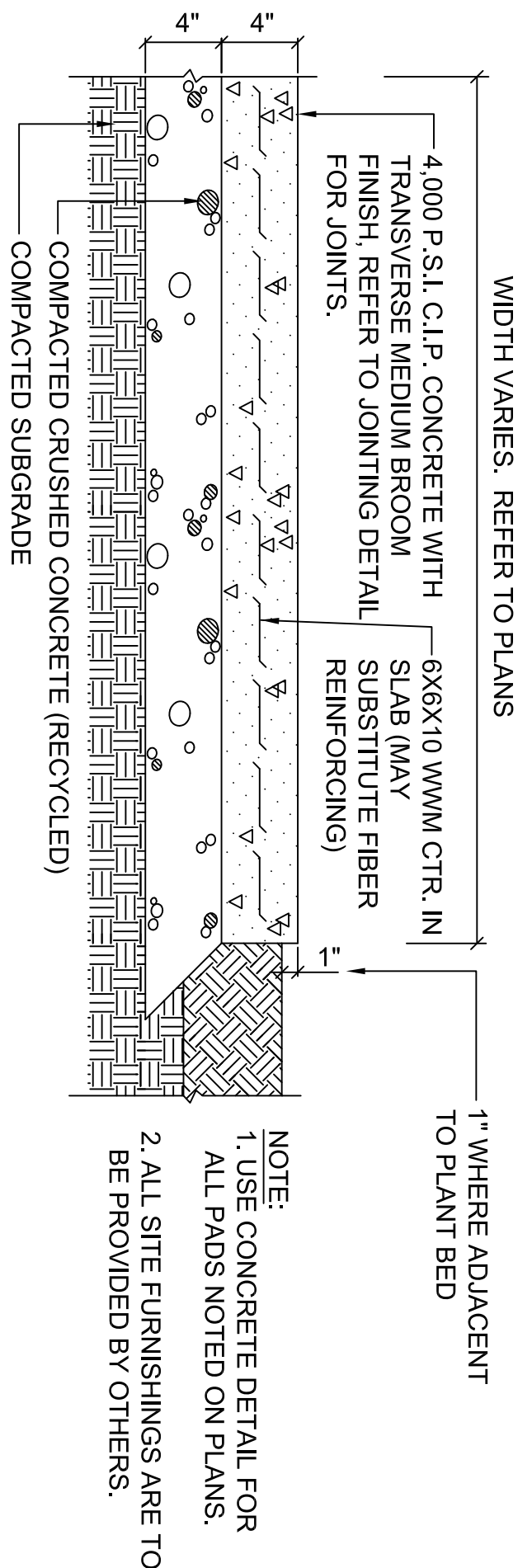


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ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610  
PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS  
1421 5TH STREET, SUITE B  
SARASOTA, FL 34236  
PHONE: (941) 954-1718  
FAX: (941) 954-0231

REV.	DATE	DESCRIPTION	BY
4/27/2012		DECK LADDER ADDED	CNC
3/12/2012		BOARDWALK AND DECK INCLUDED IN CONSTRUCTION DOCUMENT SET	CNC

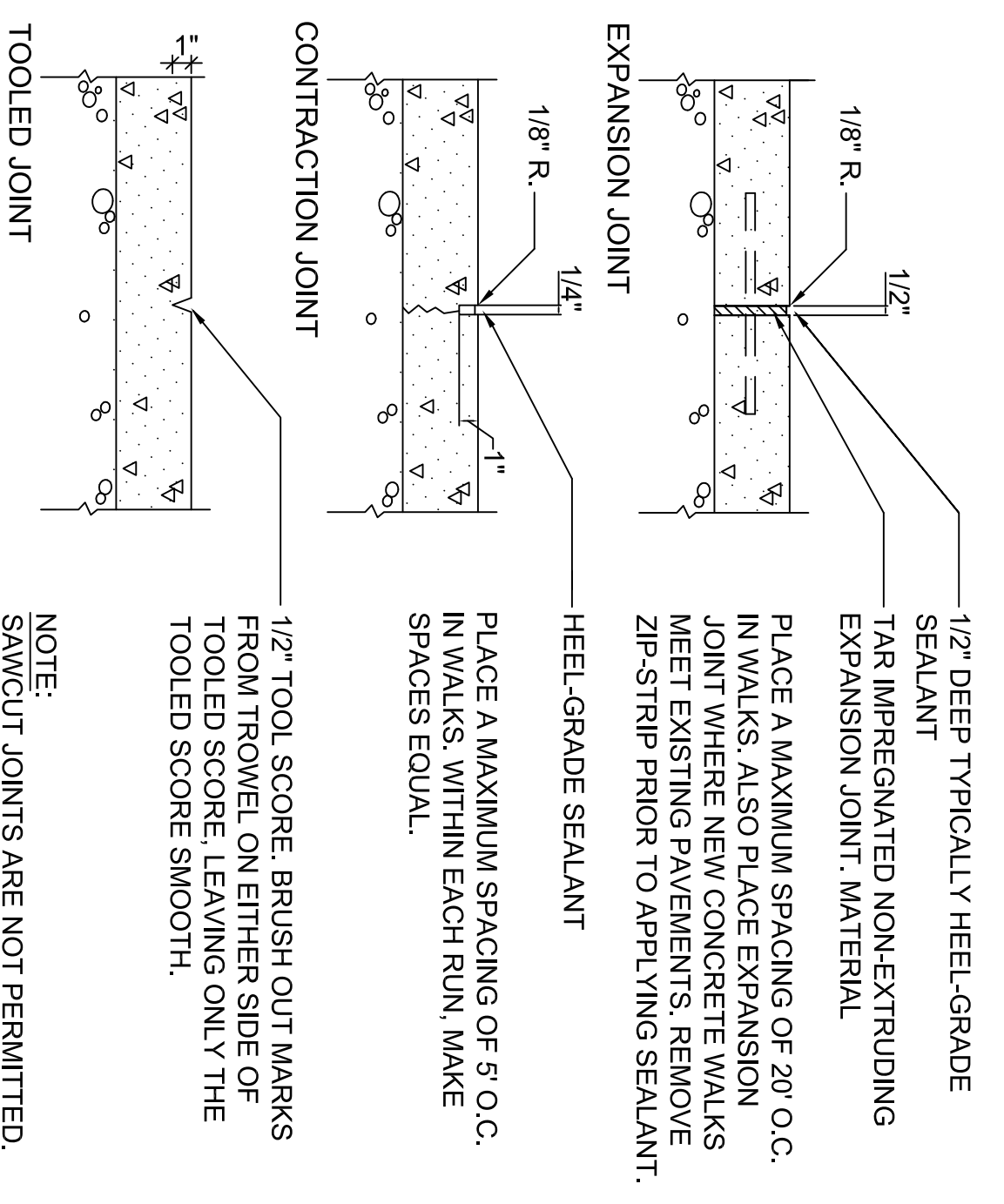
21110

SHEET  
L-7



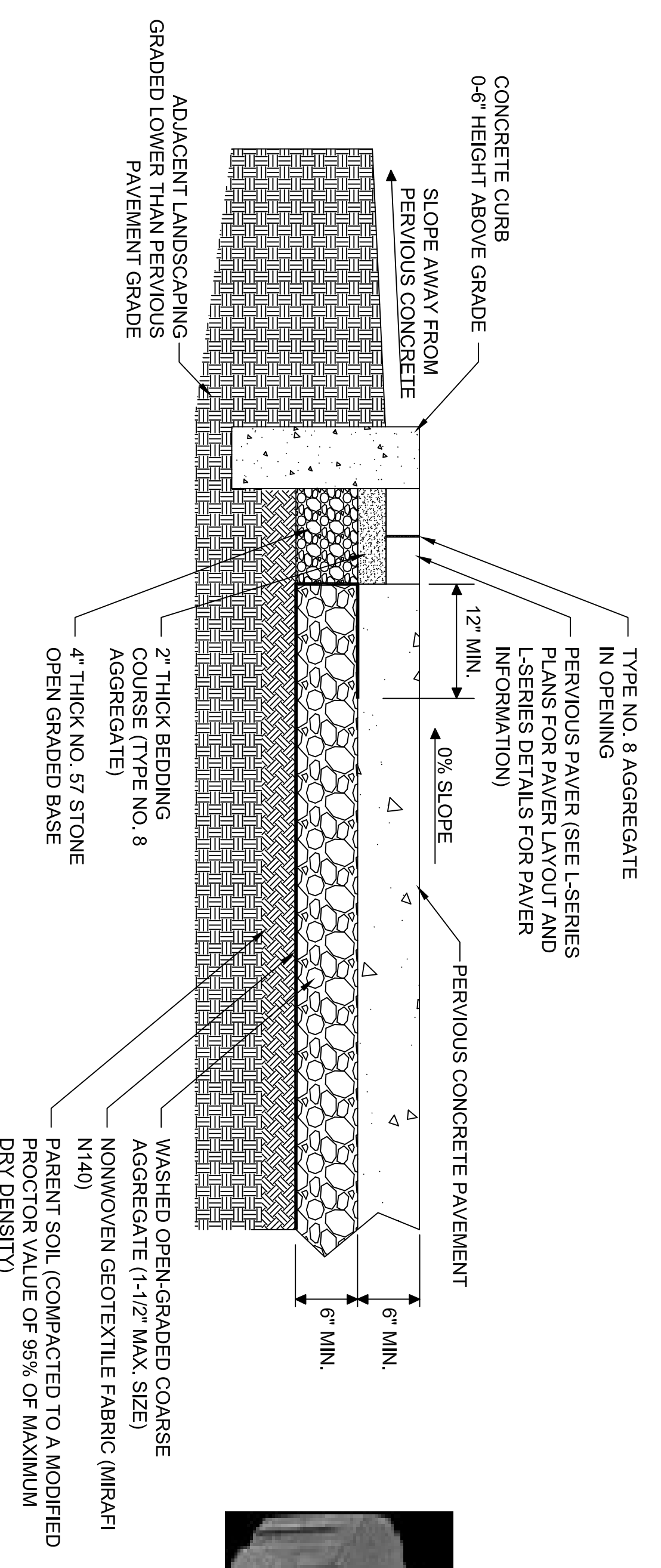
NOTE:  
1. USE CONCRETE DETAIL FOR ALL PADS NOTED ON PLANS.  
2. ALL SITE FURNISHINGS ARE TO BE PROVIDED BY OTHERS.

1 CONCRETE SIDEWALK AND PADS  
NO SCALE (TYPICAL)



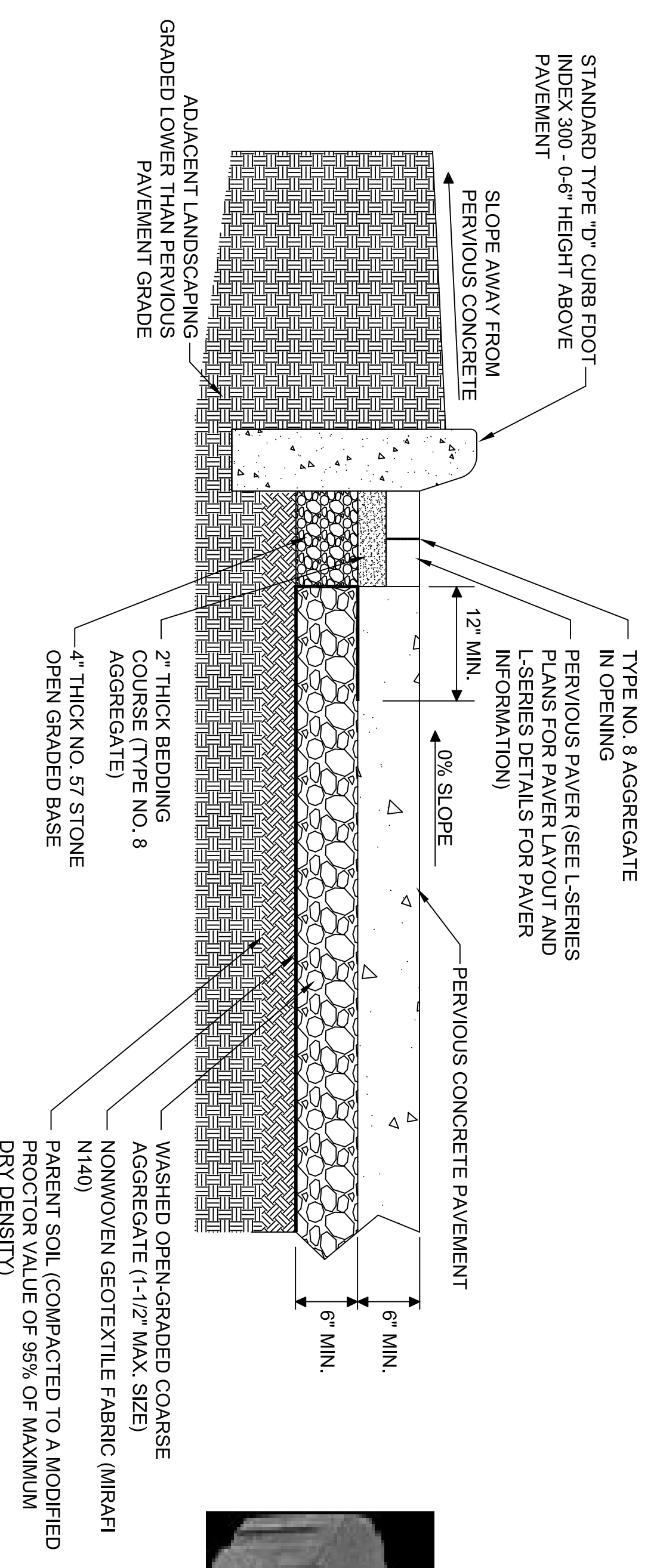
NOTE:  
1/2" DEEP TYPICALLY HEEL-GRADE SEALANT  
TAR IMPREGNATED NON-EXTRUDING EXPANSION JOINT MATERIAL  
PLACE A MAXIMUM SPACING OF 20' O.C. IN WALKS. ALSO PLACE EXPANSION JOINT WHERE NEW CONCRETE WALKS MEET EXISTING PAVEMENTS. REMOVE ZIP-STRIP PRIOR TO APPLYING SEALANT.  
HEEL-GRADE SEALANT  
PLACE A MAXIMUM SPACING OF 5' O.C. IN WALKS. WITHIN EACH RUN, MAKE SPACES EQUAL.  
1/2" TOOL SCORE. BRUSH OUT MARKS FROM TROWEL ON EITHER SIDE OF TOOLED SCORE. LEAVING ONLY THE TOOLED SCORE SMOOTH.  
NOTE: SAWCUT JOINTS ARE NOT PERMITTED.

2 JOINTING IN CONCRETE  
NO SCALE (TYPICAL)



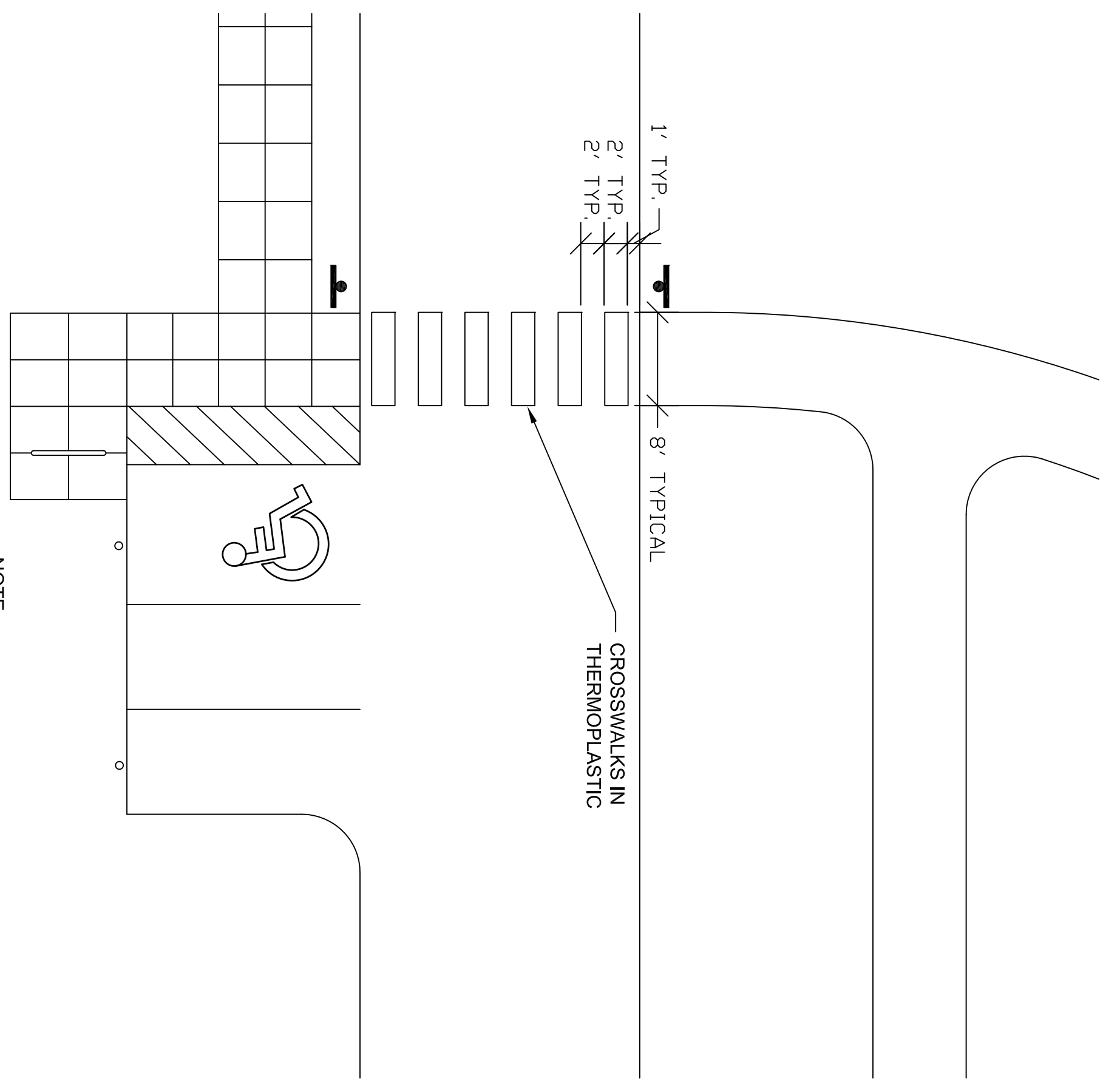
NOTE:  
1. TREMRON AQUAPAVES (OR APPROVED EQUAL), SHOWN FOR REFERENCE ONLY. TREMRON GROUP, AQUAPAVE 9-5/8" x 5" BY 3-1/2" THICK. COLOR SELECTED FROM MANUFACTURER'S STANDARD COLOR PALETTE  
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
3. INSTALL PAVES IN A RUNNING BOND PATTERN AS BANDING FOR PERVIOUS PAVING FIELD.

3 POROUS CONCRETE AND POROUS PAVERS AT CONSERVATORY DRIVE ENTRANCE  
NOT TO SCALE



NOTE:  
1. TREMRON AQUAPAVE (OR APPROVED EQUAL), SHOWN FOR REFERENCE ONLY. TREMRON GROUP, AQUAPAVE 9-5/8" x 5" BY 3-1/2" THICK. COLOR SELECTED FROM MANUFACTURER'S STANDARD COLOR PALETTE  
2. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S SPECIFICATIONS.  
3. INSTALL PAVE IN A RUNNING BOND PATTERN AS BANDING FOR PERVIOUS PAVING FIELD.

4 POROUS CONCRETE AND POROUS PAVERS AT DESOTO WOODS DRIVE ENTRANCE  
NOT TO SCALE



NOTE:  
120 MIL WHITE THERMOPLASTIC WITH GLASS BEADS

5 CROSSWALK STRIPING  
NOT TO SCALE

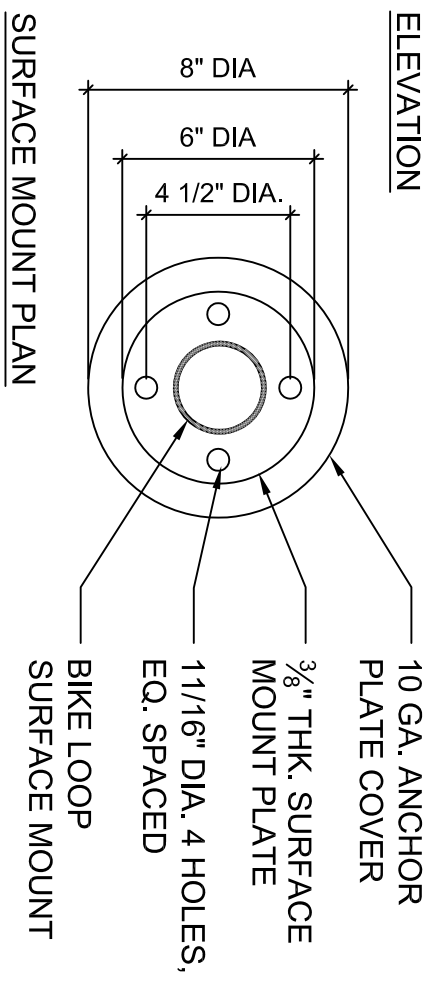
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CHECKED: ST
DATE: 09/03/10

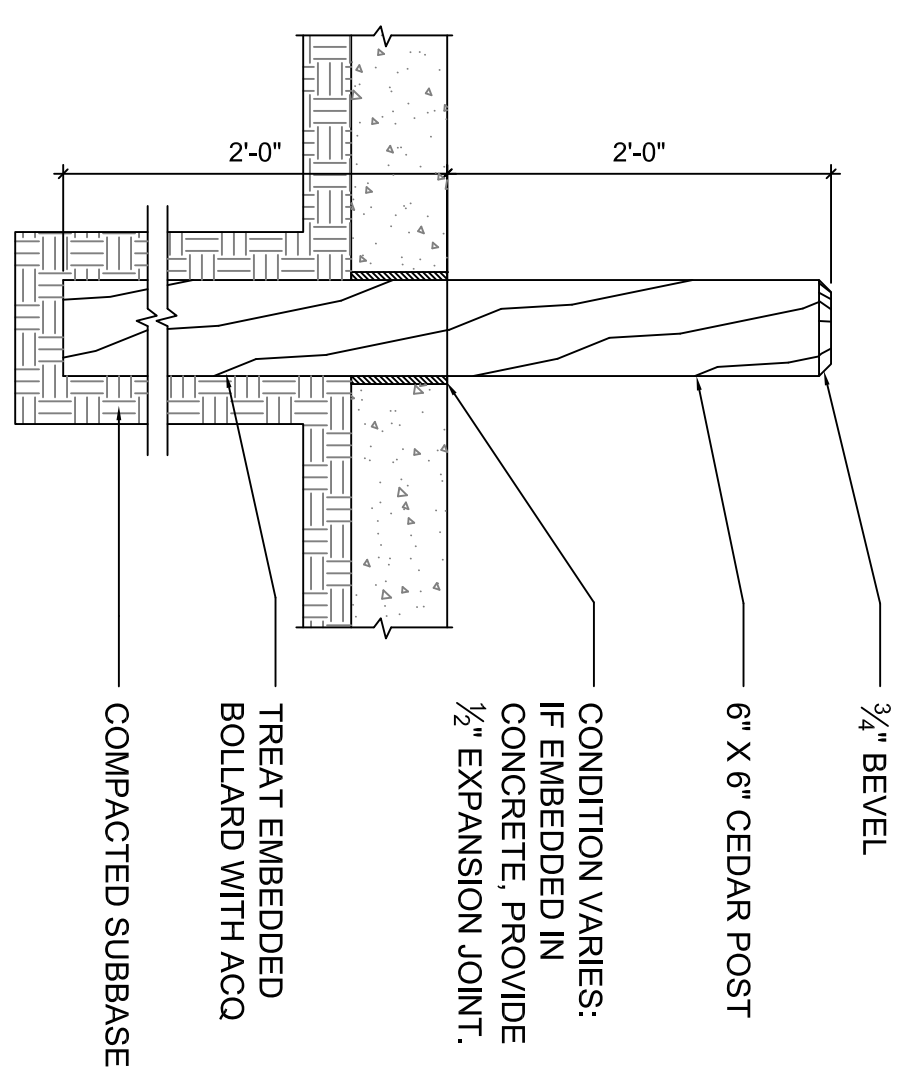
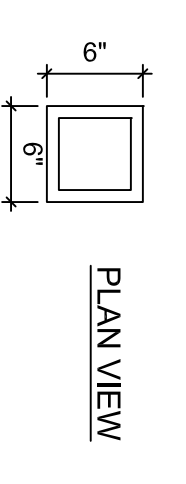
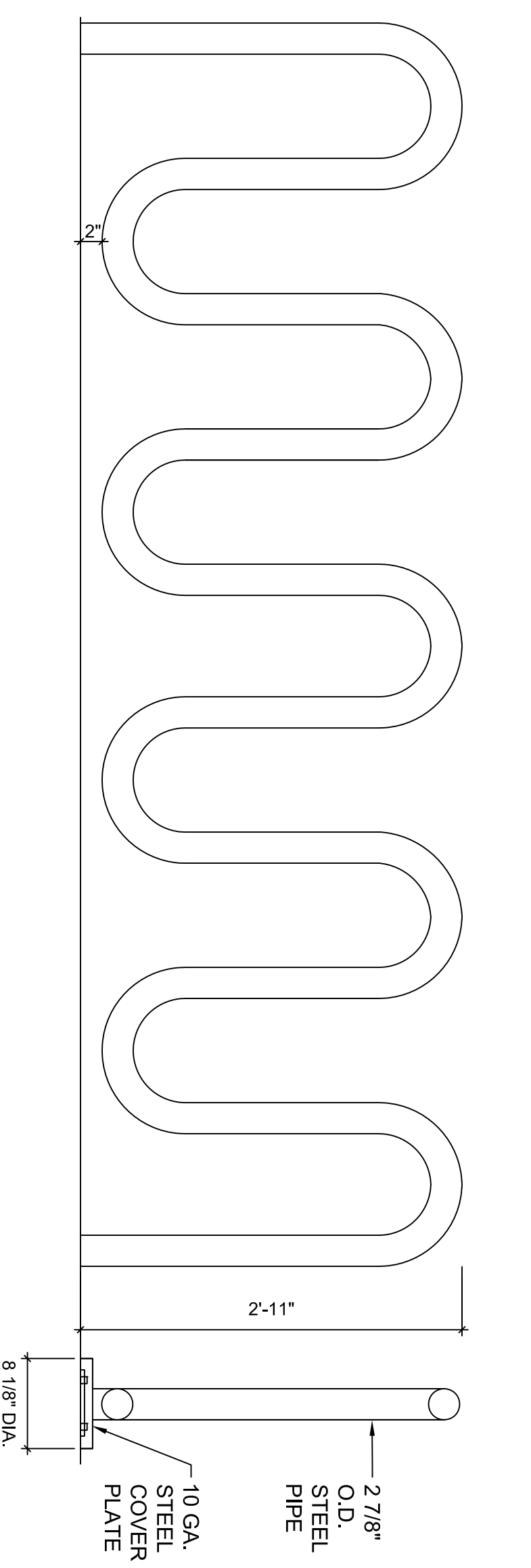
CONSERVATORY PARK  
BRADENTON, FLORIDA  
SITE DETAILS - 2



BIKE RACK BY DIMOR, INC.  
 LOOP BIKE RACK MODEL #125-40 (125 SERIES).  
 SURFACE MOUNT. DOUBLE POWDER-COATED BLACK  
 COLOR OR APPROVED EQUAL.

NOTE:  
 1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.  
 2. BIKE RACK TO BE INSTALLED ON CONCRETE PAD.

**1 BIKE RACK-FOR REFERENCE ONLY**  
 ELEVATION

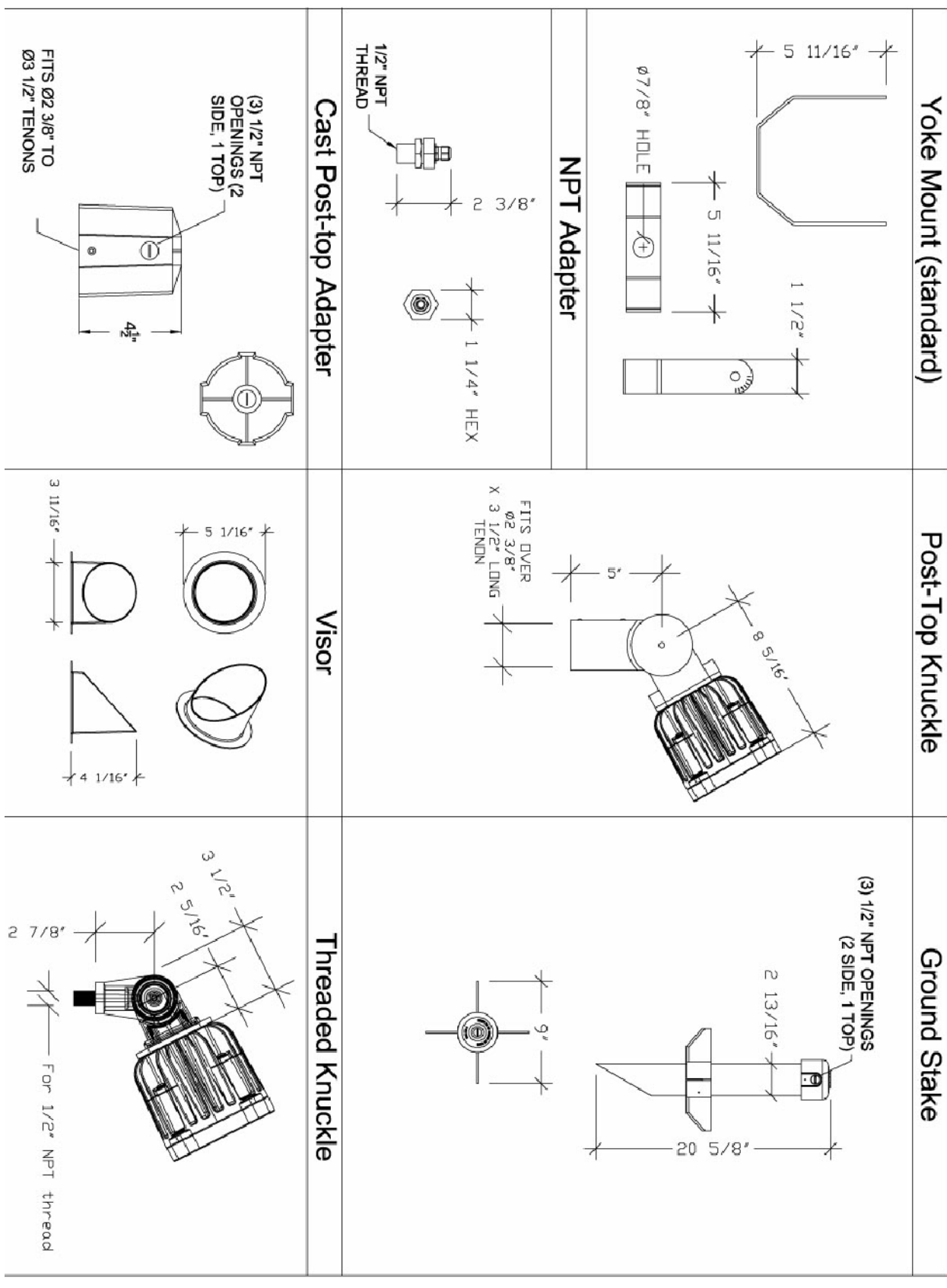


**2 SQUARE WOODEN BOLLARD - EMBEDDED**  
 SECTION



NOTE:  
 1. DOGPOT POLY PET STATION SHOWN FOR REFERENCE ONLY. KAY PARK RECREATION, MODEL #KDP-10/10, 10 GALLON POLY TRASH RECEPTACLE, FOREST GREEN COLOR, WITH SNAP ON LID, WITH BAG DISPENSER AND REFLECTIVE PET SIGN OR APPROVED EQUAL.  
 2. INSTALLATION AND DIRECT-BURY TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.  
 KAY PARK RECREATION CORPORATION  
 "DOGPOT"-POLY PET STATION

**3 DOG WASTE STATION**  
 NO SCALE



**Accessory Specifications**

**Yoke Mount (standard)**  
 Standard for 1.1. Constructed of 6061 T3 Aluminum. Minimum wall thickness .063\"/>

**Post-Top Knuckle**  
 Fits over 1/2\"/>

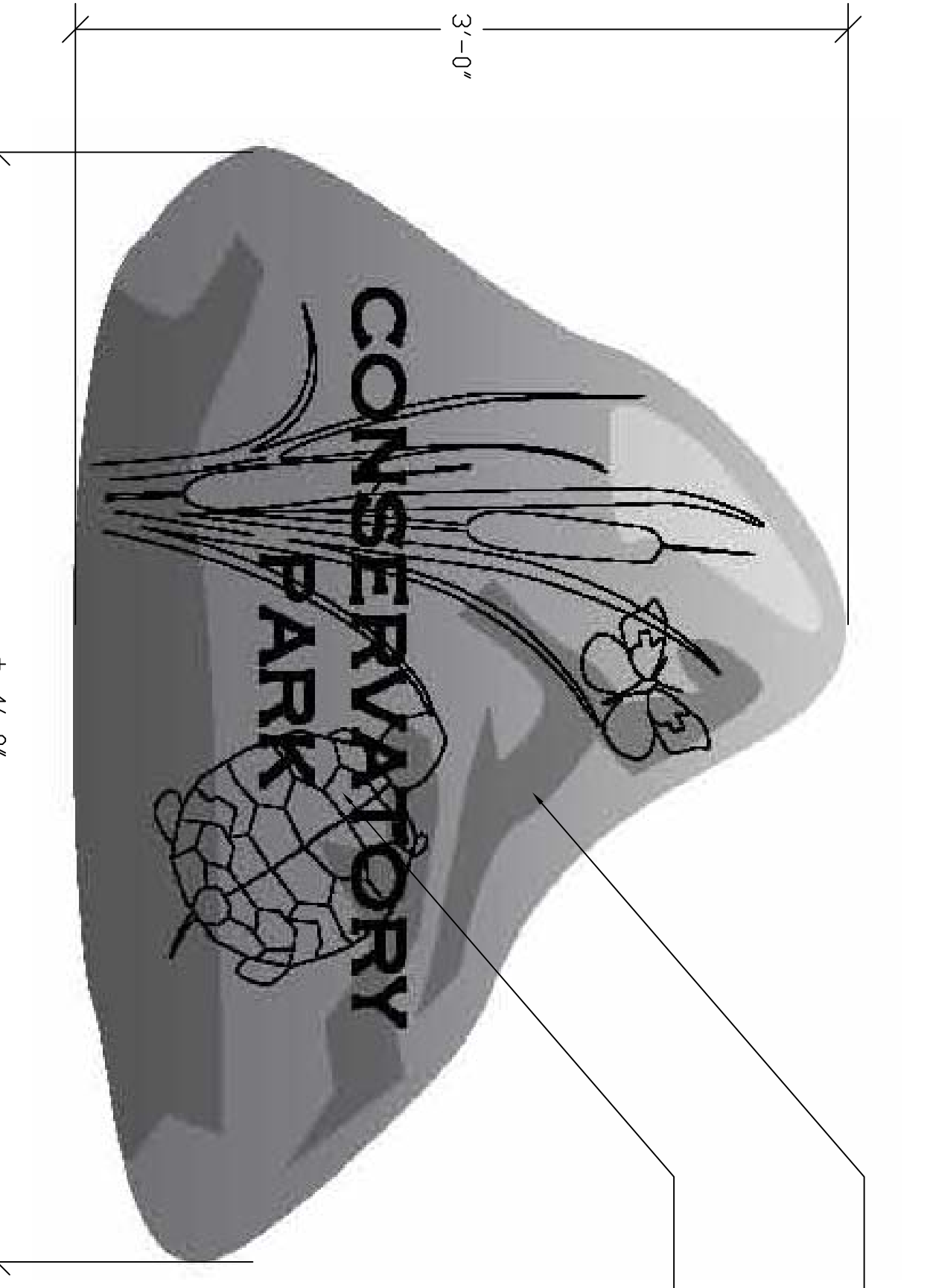
**Ground Stake**  
 (3) 1/2\"/>

**NPT Adapter**  
 Fits over 1/2\"/>

**Cast Post-top Adapter**  
 Fits over 3/8\"/>

**Visor**  
 Fits over 1/2\"/>

**Threaded Knuckle**  
 Fits over 1/2\"/>



BOULDERS TO BE SELECTED FROM THE COUNTY'S STOCKPILED ROCK. APPROXIMATE BOULDER DIMENSIONS: 4'-0\"/>

GRAPHICS TO BE PROVIDED BY THE LANDSCAPE ARCHITECT.

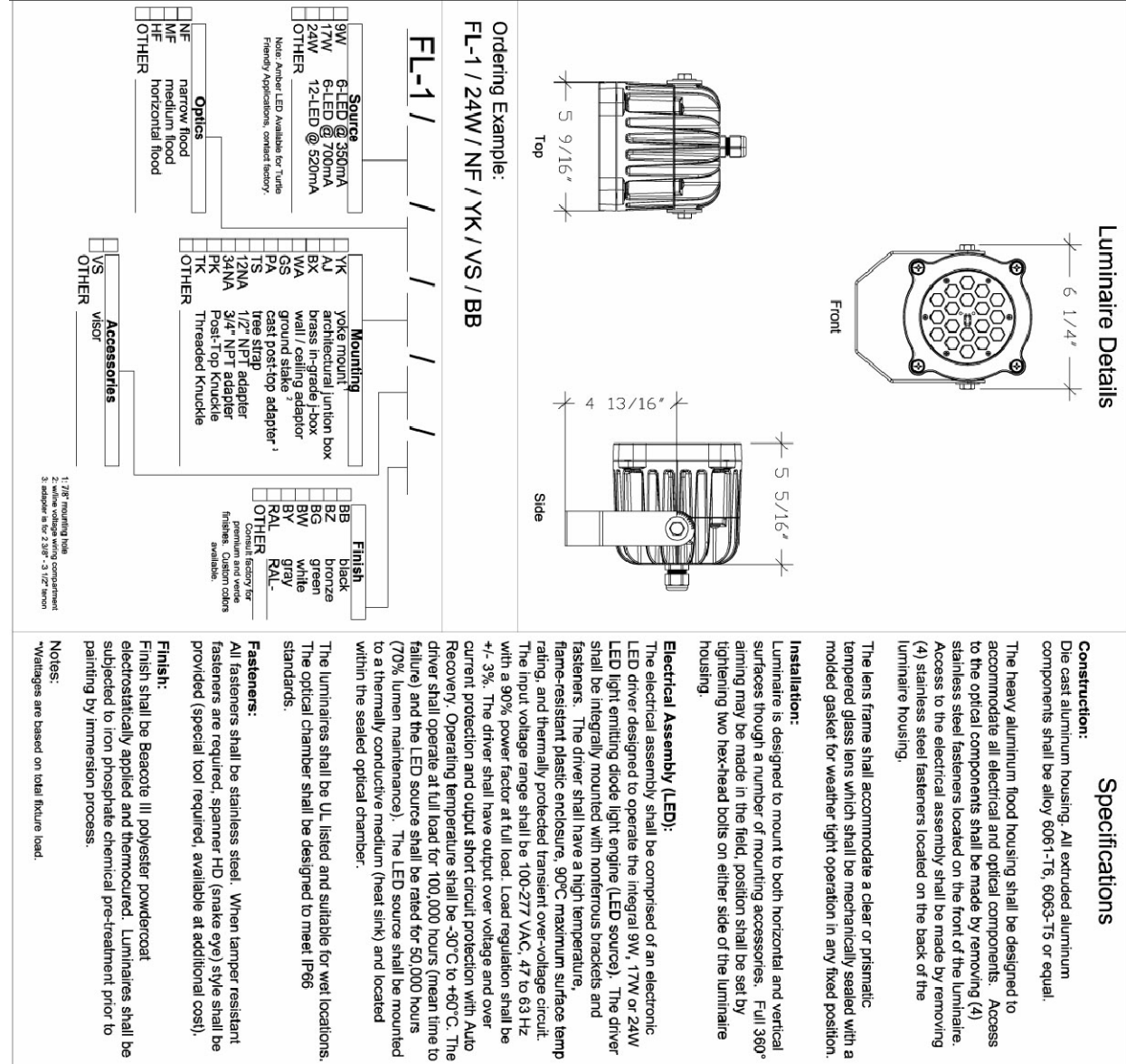
NOTE:  
 1. APPROXIMATE TEXT HEIGHT: 4\"/>
 2. GRAPHICS AND TEXT FOR PARK ENTRY SIGN TO BE SANDBLASTED (POSITIVE CARVE) AND BACKFILLED IN BLACK.

**5 ENTRY SIGN DETAIL**  
 N.T.S.



NOTE:  
 1. BEACON PRODUCTS LED FLOOD LIGHT SHOWN FOR REFERENCE ONLY. BEACON PRODUCTS, FL-1 LED FLOOD LIGHT - BLACK COLOR (FL-1/24W/NF/XK/VS/BB) OR APPROVED EQUAL.  
 2. INSTALLATION AND GROUND STAKING TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURERS SPECIFICATIONS.

**4 LIGHTING**  
 N.T.S.



**Luminaire Details**

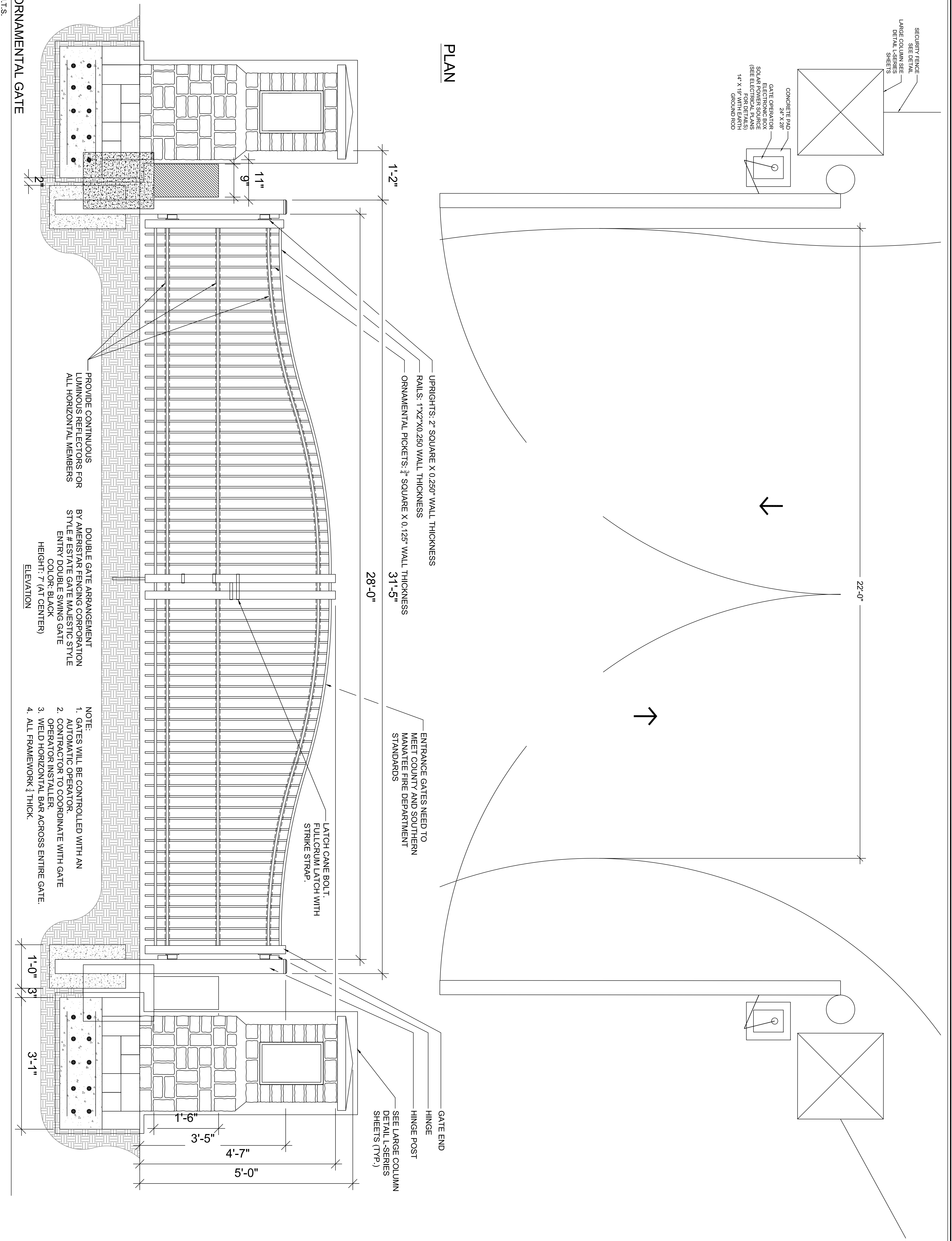
**Specifications**

**Construction:**  
 One Year Minimum Warranty. All exterior luminaires shall be constructed of die-cast aluminum. The luminaire housing shall be constructed of aluminum or galvanized steel. Access panels shall be constructed of aluminum or galvanized steel. The luminaire housing shall be constructed of aluminum or galvanized steel. The luminaire housing shall be constructed of aluminum or galvanized steel.

**Electrical Assembly (E.A.):**  
 The luminaire shall be constructed of aluminum or galvanized steel. The luminaire shall be constructed of aluminum or galvanized steel. The luminaire shall be constructed of aluminum or galvanized steel.

**Installation:**  
 The luminaire shall be installed in accordance with the manufacturer's instructions. The luminaire shall be installed in accordance with the manufacturer's instructions. The luminaire shall be installed in accordance with the manufacturer's instructions.

**1**  
ORNAMENTAL GATE  
N.T.S.



CONSERVATORY PARK  
BRADENTON, FLORIDA

SITE DETAILS - 4

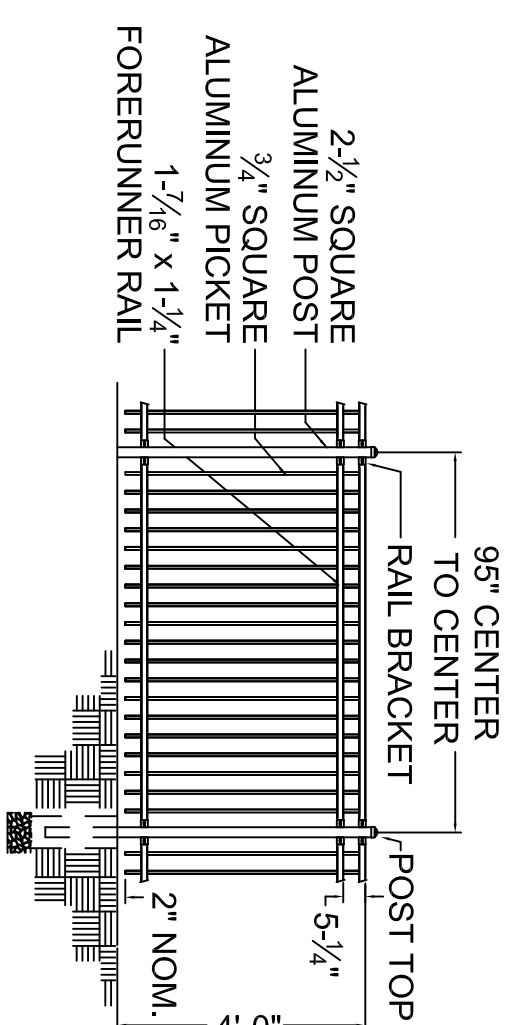
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 DESIGNED: ST  
 CHECKED: ST  
 DATE: 09/03/10



**IBI GROUP, INC.**  
 HTTP://WWW.IBIGROUP.COM  
 ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610  
 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS  
 1421 5th STREET, SUITE B  
 SARASOTA, FL 34236  
 PHONE: (941) 564-1718  
 FAX: (941) 564-0231

REV.	DATE	DESCRIPTION	BY
1	4/23/2012	SOLAR POWER SOURCE	CMC

AS SHOWN  
 21110  
 SHEET  
 L-10

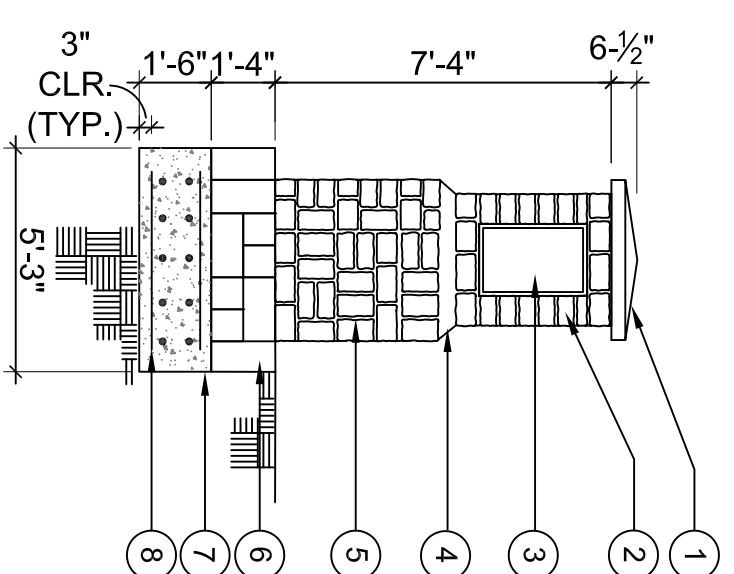


- NOTES:
1. FOOTING WIDTH TO BE 1'-0" WITH A MINIMUM DEPTH OF 2'-6" WITH ADDITIONAL 6" GRAVEL BASE.
  2. POST SPACING IS 95° CENTER TO CENTER.
  3. FENCE TO BE PROVIDED BY AMERISTAR FENCING CORPORATION, STYLE: ECHELON PLUS OR OWNER APPROVED EQUAL.
  4. COLOR: BLACK

DETAIL PROVIDED FOR REFERENCE ONLY

**1 ALUMINUM FENCE SECTION**

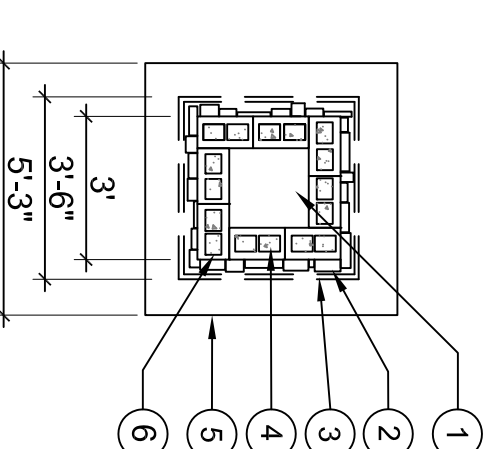
N.T.S.



1. LARGE COLUMN CAP (SEE DETAIL SHEET L-12).
2. SAN FRANCISCO COBBLEFIELD (CULTURED STONE) PRODUCT #GSV-2037 ON MORTARED BED BY OWENS CORNING. MORTAR COLOR TO MATCH CAP.
3. 1'-6" X 2'-4" CAST STONE MEDALLION PIN MOUNTED (COUNTY TO SELECT PATTERN PER PINEAPPLE GROVE OPTIONS)
4. MORTAR BED WITH BEVELED EDGE
5. 1/2" MORTAR JOINT (TYP.)
6. SOLDIER COURSE OF BLOCK - SUPPORT PRECAST BASE
7. FOOTER 3000 PSI CONCRETE
8. #4 REBAR @ 12" O.C., E.W. TOP AND BOTTOM

**2 LARGE COLUMN ELEVATION**

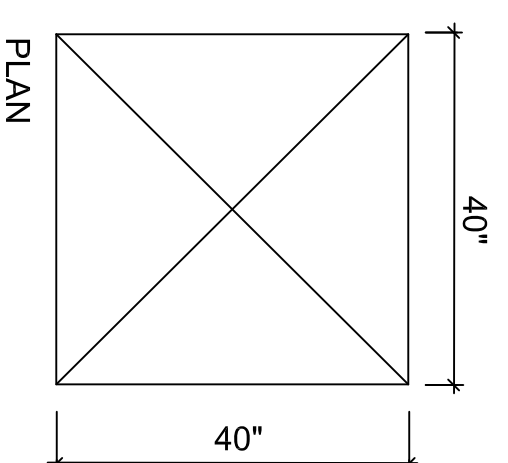
1/4" = 1'-0"



1. FILL SOLID WITH 3000 PSI CONCRETE (28 DAYS)
2. CULTURE STONE VENEER ON MORTAR BED. SAN FRANCISCO COBBLEFIELD BY OWENS CORNING OR OWNER APPROVED EQUAL
3. LARGE COLUMN CAP (SEE DETAIL SHEET L-12).
4. 1-#4 REBAR W/ EACH FILLED CELL. HOOK REBAR INTO FOUNDATION WITH AGI HOOK.
5. EXTENT OF FOOTER - 5'-3" SQUARE
6. 8" X 8" X 16" CMU BLOCK

**3 LARGE COLUMN BASE PLAN**

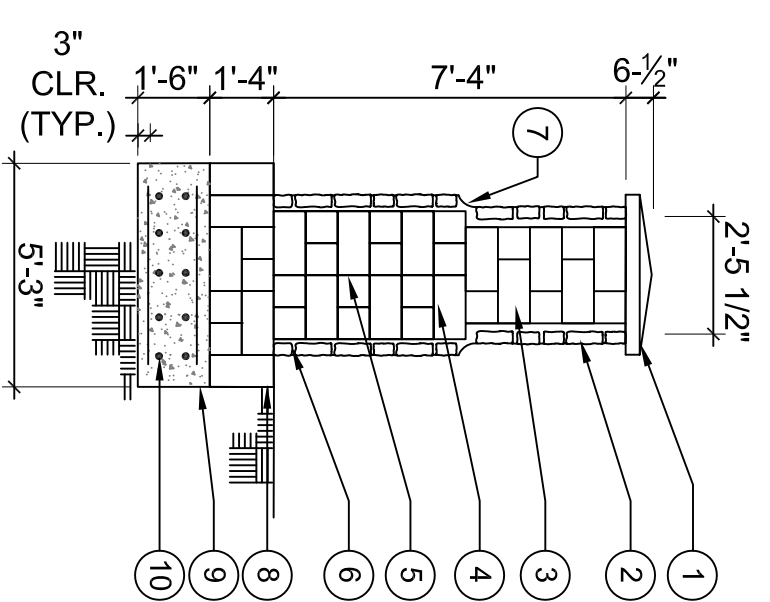
1/4" = 1'-0"



- 4 LARGE COLUMN CAP**
- CHISELED PIER CAP  
(CULTURED STONE PIECE #AS-1242 SIMILAR SIZE: 40" WIDE X 40" LENGTH X 6-1/2" THICK)  
COLOR: BUCKSKIN, BY OWENS CORNING OR OWNER APPROVED EQUAL)

**4 LARGE COLUMN CAP**

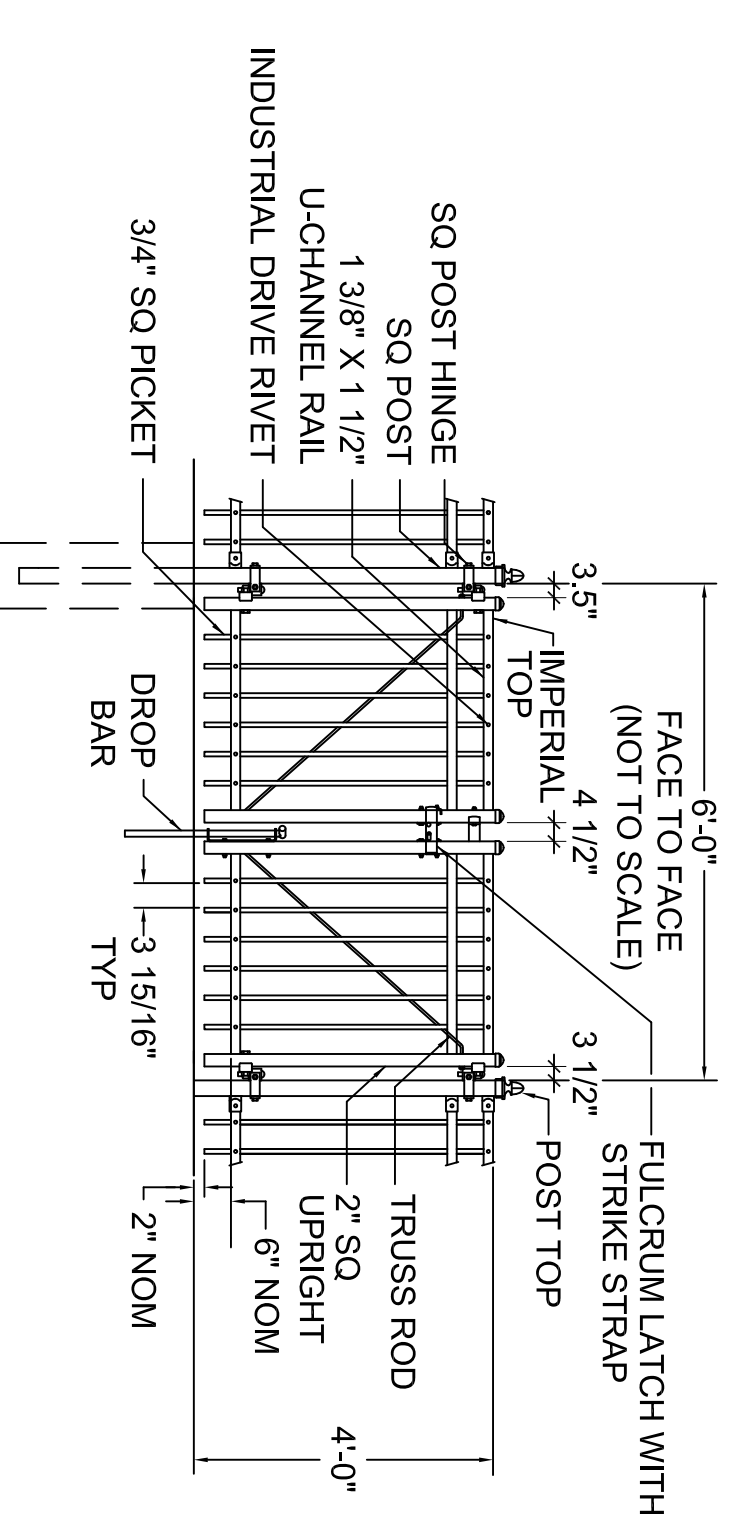
NO SCALE



1. LARGE COLUMN CAP (SEE DETAIL SHEET L-12).
2. SAN FRANCISCO COBBLEFIELD (CULTURED STONE) PRODUCT #GSV-2037 ON MORTARED BED BY OWENS CORNING. MORTAR COLOR TO MATCH CAP.
3. 8" X 8" X 8" OR 8" X 8" X 16" CMU BLOCK AS REQUIRED
4. 1- #4 REBAR WITH EACH FILLED CELL. HOOK REBAR INTO FOUNDATION WITH AGI HOOK-UP.
5. VERTICAL GALVANIZED LADDER AND TRUSS #9, EVERY OTHER COURSE
6. 1/2" MORTAR JOINT (TYP.)
7. MORTAR BED WITH BEVELED EDGE
8. SOLDIER COURSE OF BLOCK - SUPPORT PRECAST BASE
9. FOOTER 3000 PSI CONCRETE
10. #4 REBAR @ 12" O.C., E.W. TOP AND BOTTOM

**5 LARGE COLUMN SECTION**

1/4" = 1'-0"



- NOTES:
1. FOOTING WIDTH TO BE (4)X POST WIDTH, MINIMUM DEPTH 36".
  2. GATES ARE TO BE MANUALLY OPERATED.
  3. GATES MAY HAVE 3 RAILS (TO MATCH FENCE).
  4. COLOR: BLACK.

**6 ALUMINUM PEDESTRIAN GATE-SINGLE**

1/4" = 1'-0"

CONSERVATORY PARK  
BRADENTON, FLORIDA

SITE DETAILS - 5

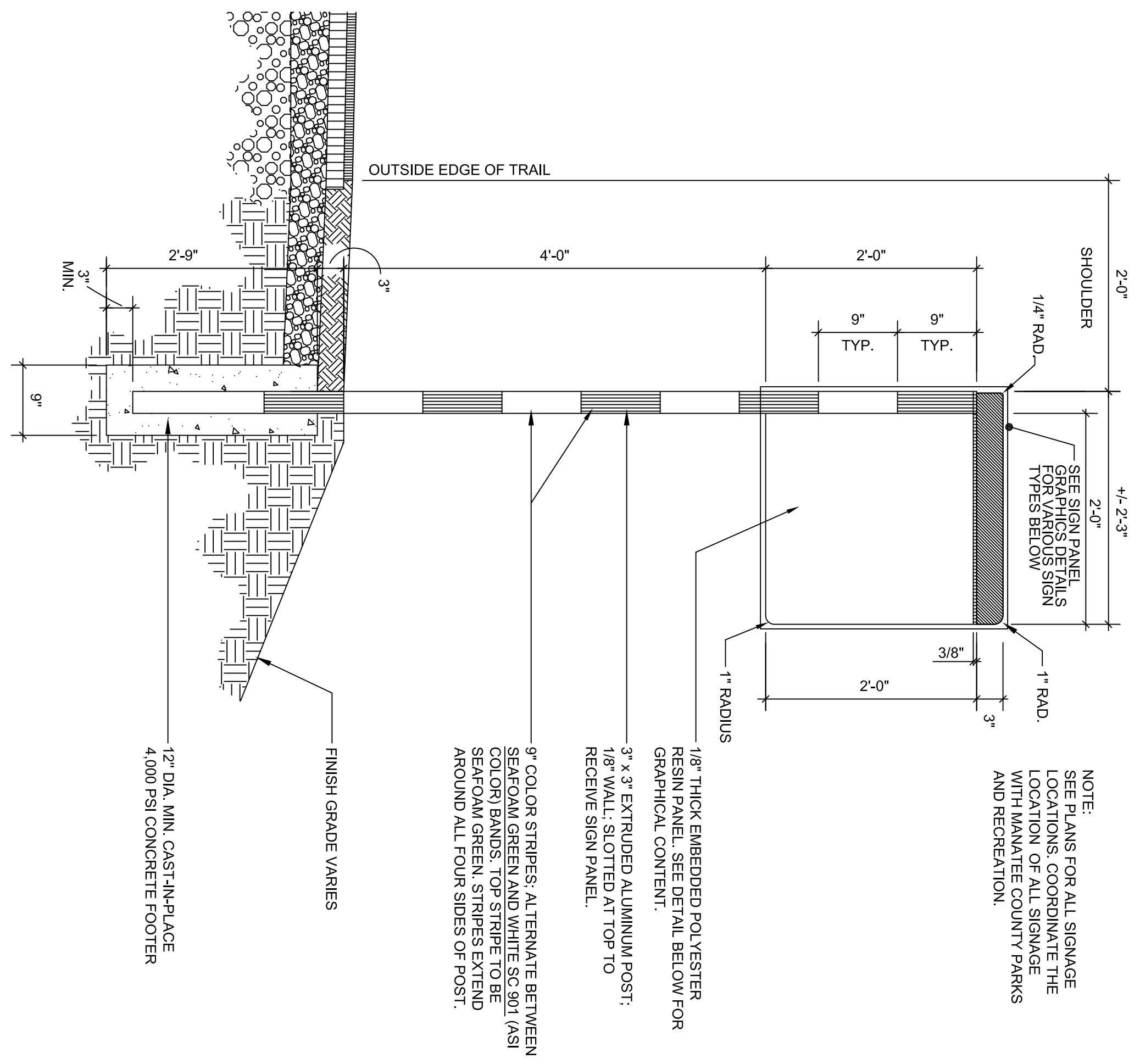
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DESIGNED: ST  
CHECKED: ST  
DATE: 09/03/10



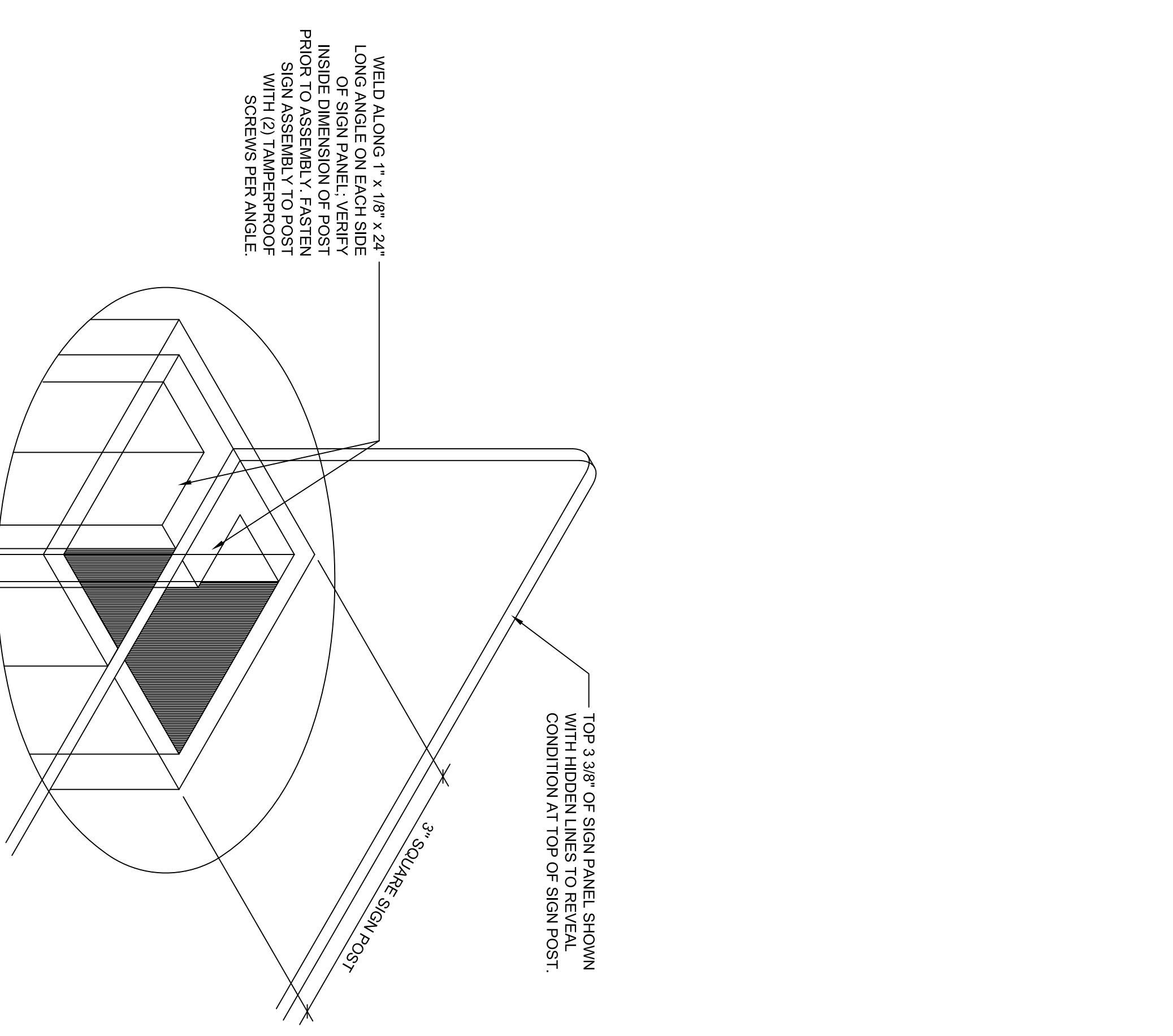
**IBI GROUP, INC.**  
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 ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610  
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 SARASOTA, FL 34236  
 PHONE: (941) 954-1718  
 FAX: (941) 954-0231

REV.	DATE	DESCRIPTION	BY

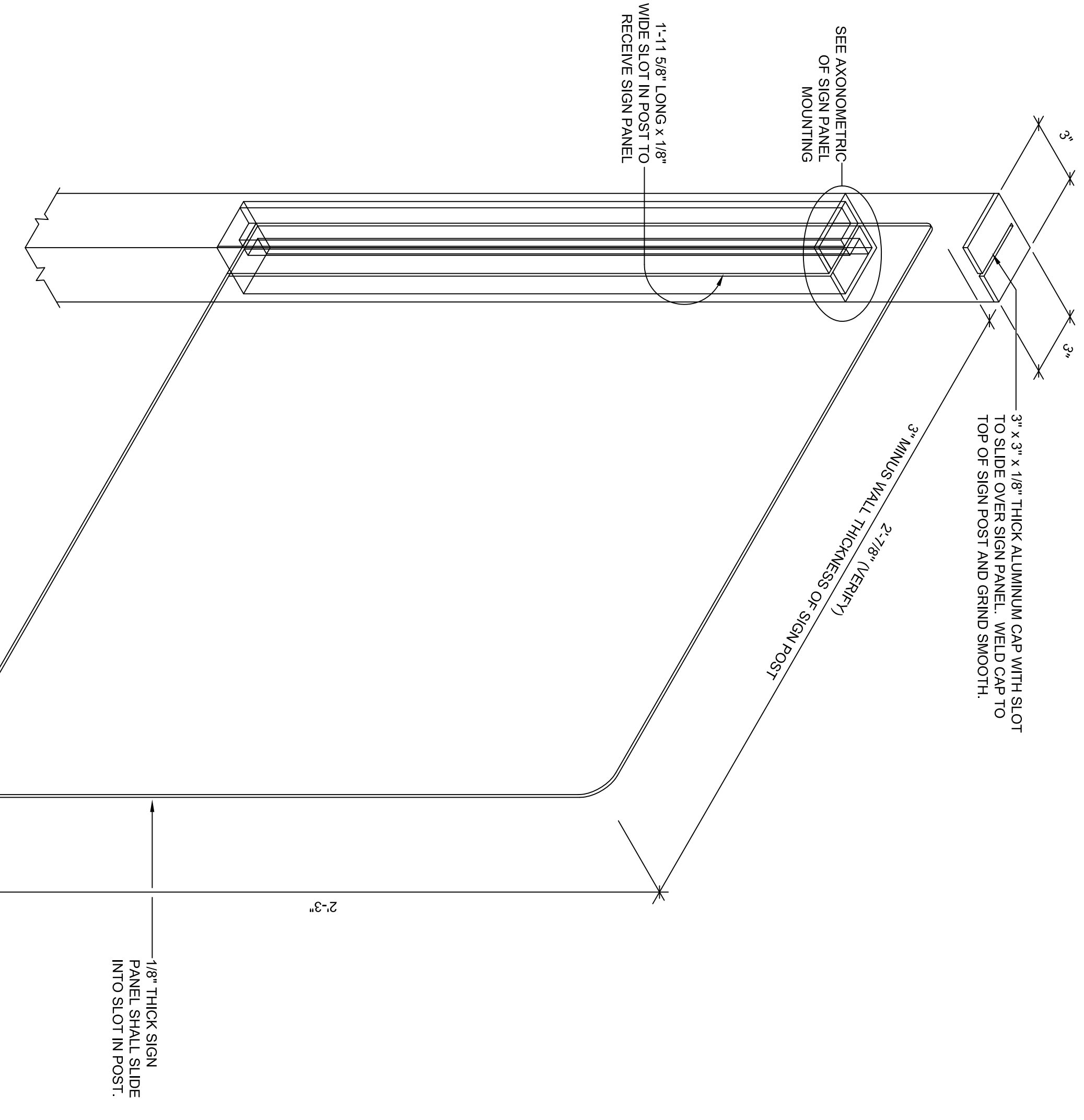




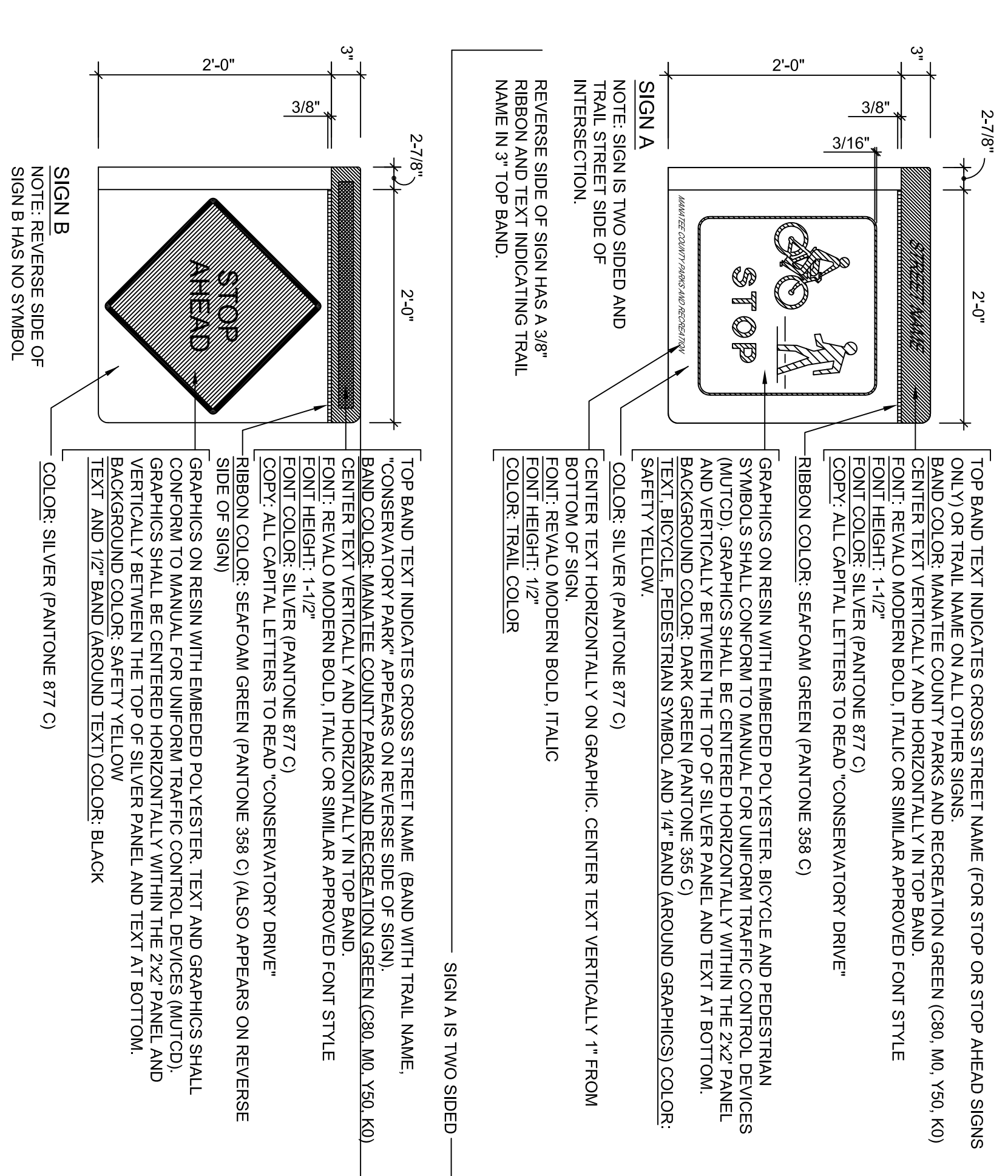
1 ELEVATION OF TRAIL TRAFFIC SIGNAGE  
SCALE: 1" = 1'-0"



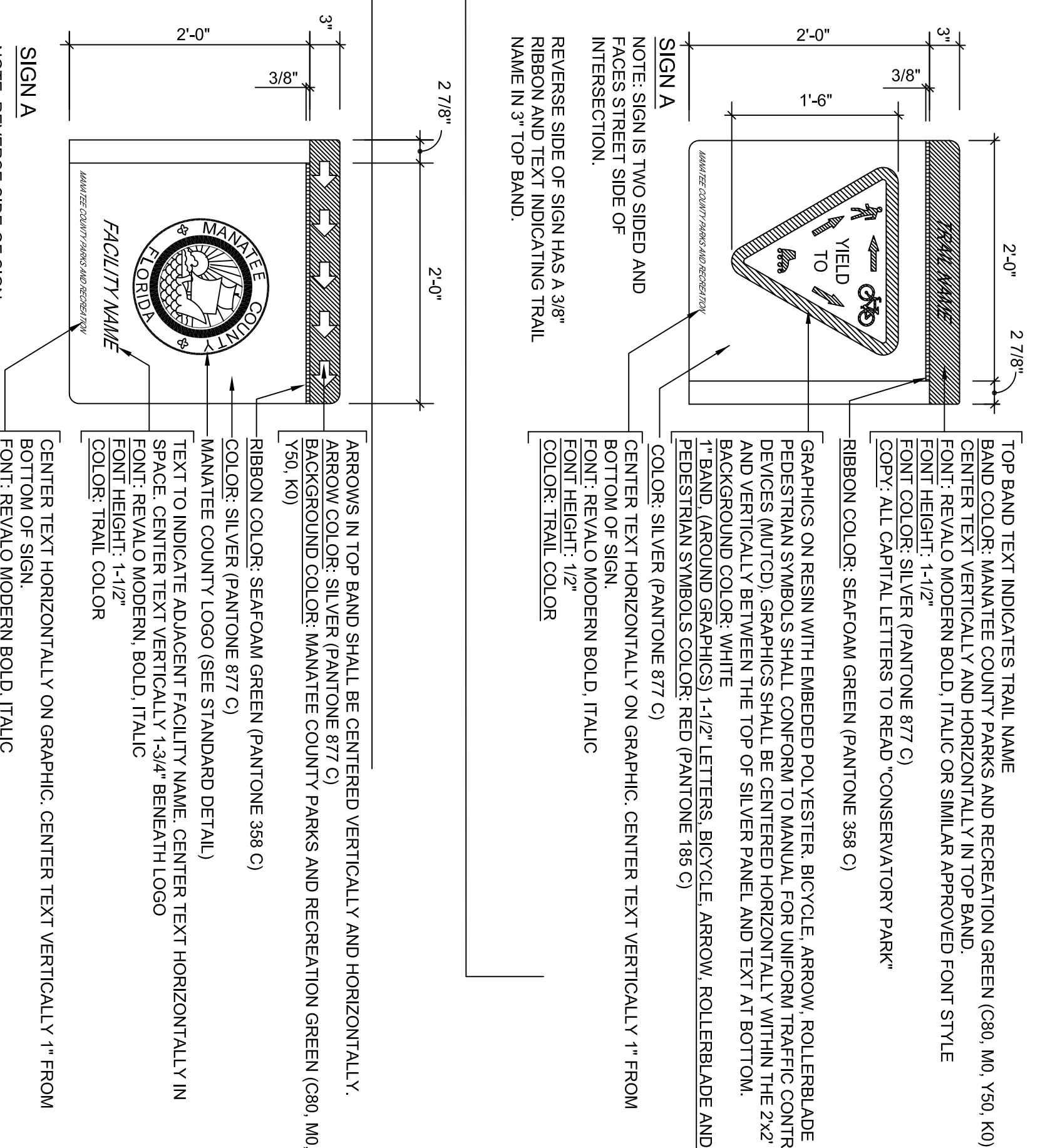
2 AXONOMETRIC OF SIGN PANEL MOUNTING  
NO SCALE



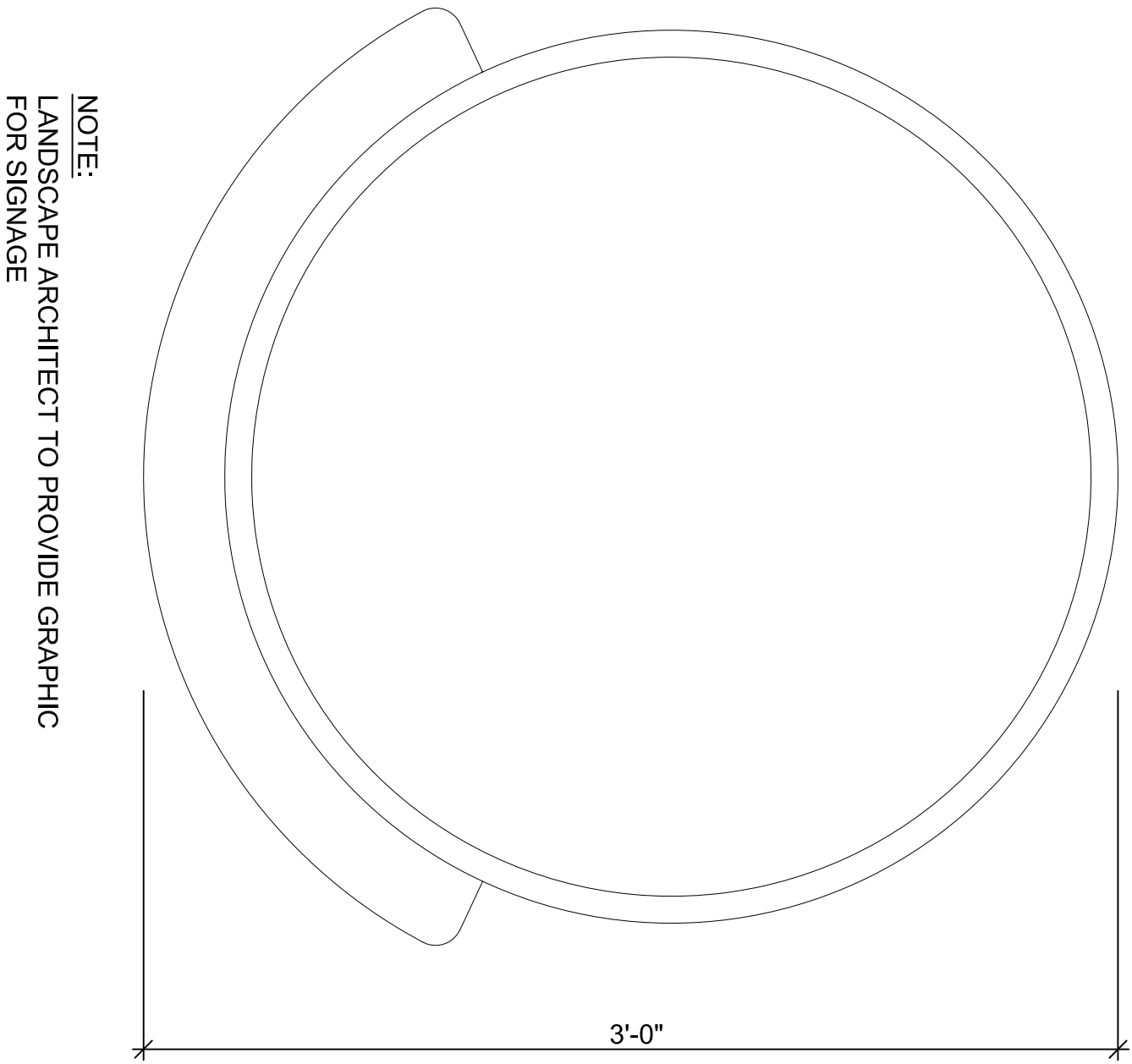
3 AXONOMETRIC OF TOP PORTION OF TRAIL TRAFFIC SIGN  
SCALE: 3" = 1'-0"



4 SIGN PANEL GRAPHICS (SIGN A)  
SCALE: 1" = 1'-0"

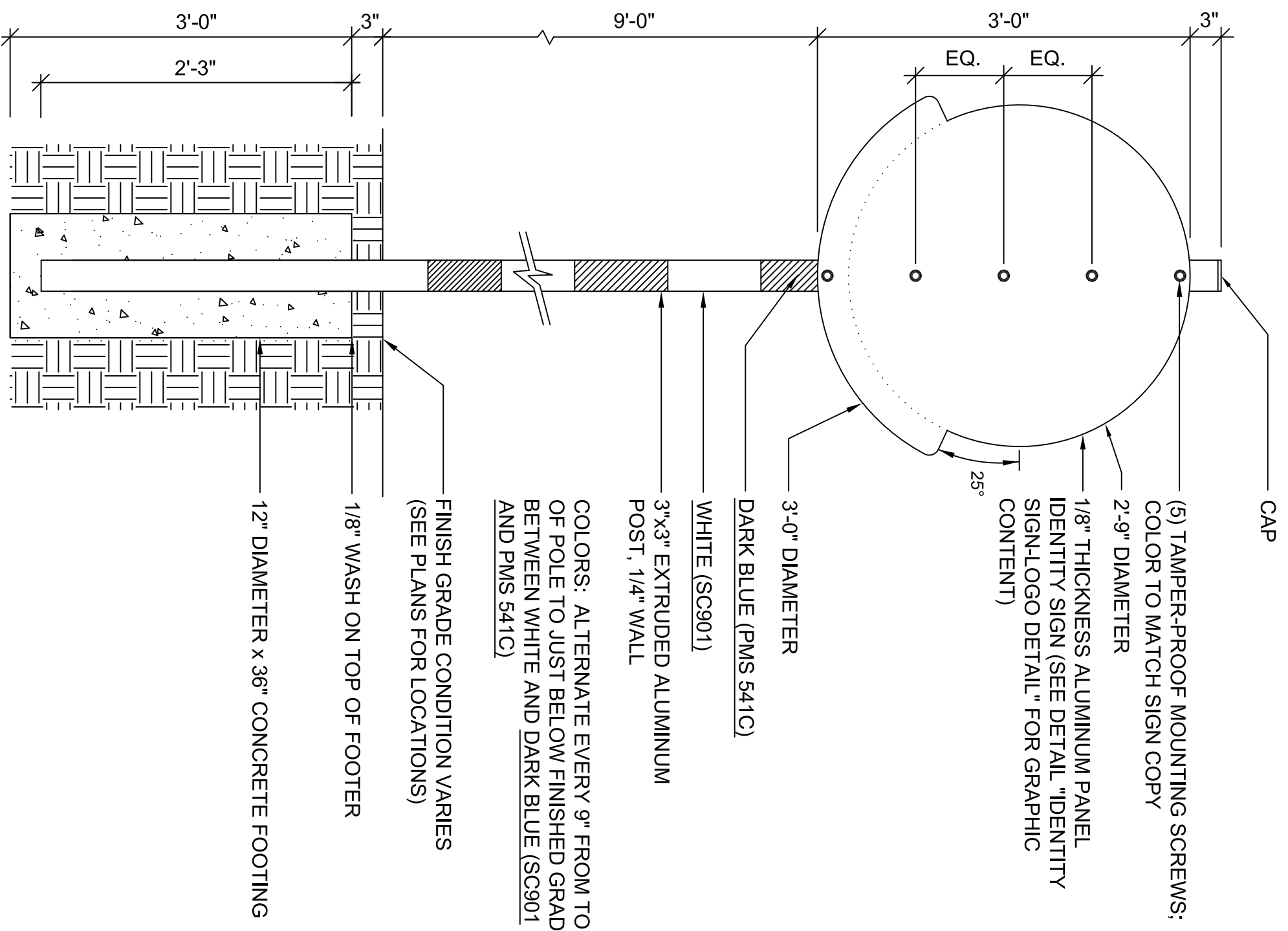


5 SIGNAGE - SWFWMD  
NO SCALE



NOTE:  
LANDSCAPE ARCHITECT TO PROVIDE GRAPHIC  
FOR SIGNAGE

1 IDENTITY SIGN - LOGO DETAIL  
SCALE: 3/4" = 1'-0"



(5) TAMPER-PROOF MOUNTING SCREWS:  
COLOR TO MATCH SIGN COPY

(6) TAMPER-PROOF STAINLESS STEEL  
MOUNTING SCREWS PER PANEL.

1/8" THICK ALUMINUM PANEL  
IDENTITY SIGN (SEE DETAIL "IDENTITY  
SIGN-LOGO DETAIL" FOR GRAPHIC  
CONTENT)

3'-0" DIAMETER  
DARK BLUE (PMS 541C)  
WHITE (SC901)  
3"x3" EXTRUDED ALUMINUM  
POST, 1/4" WALL

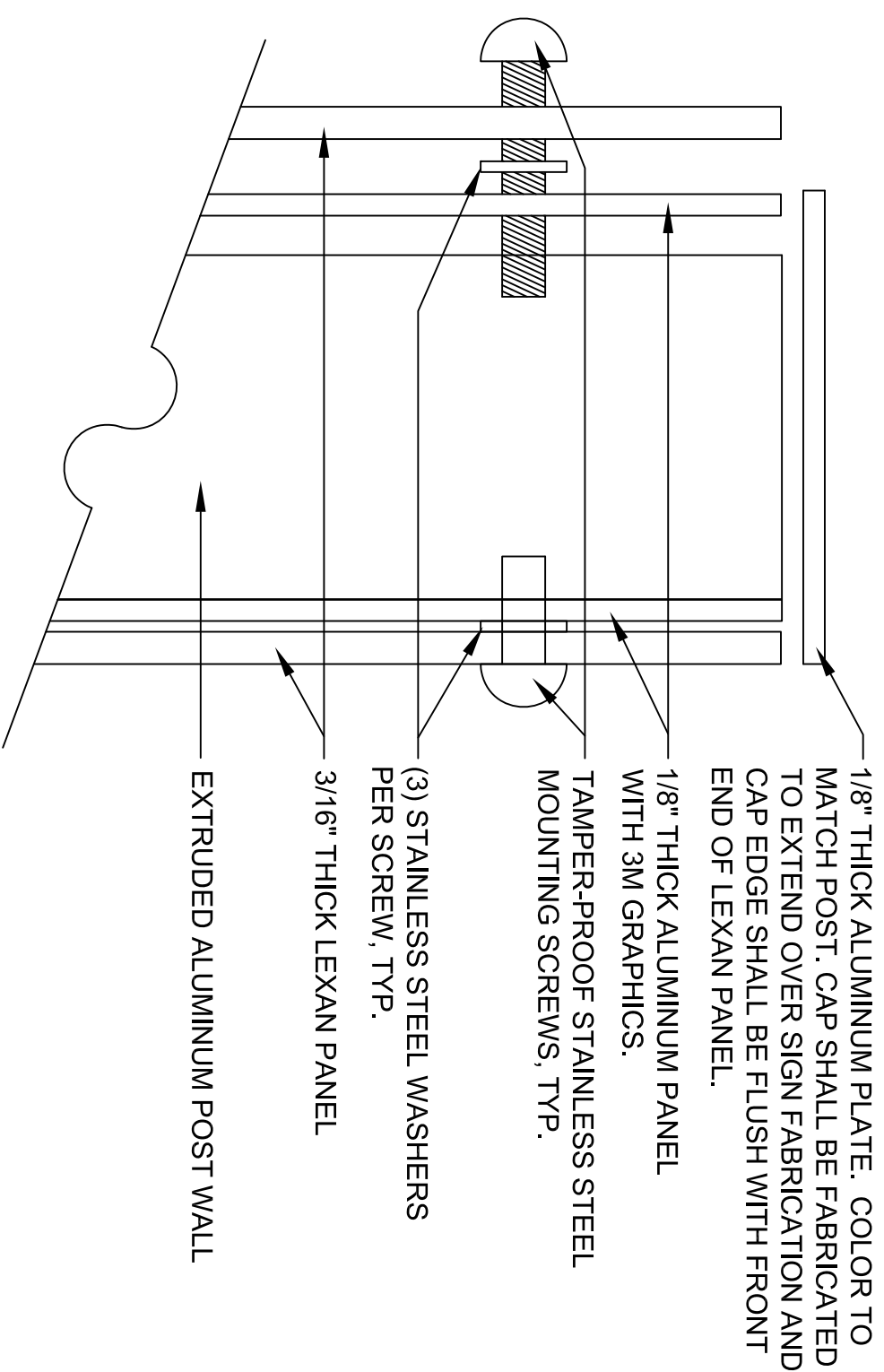
FINISH GRADE CONDITION VARIES  
(SEE PLANS FOR LOCATIONS)

1/8" WASH ON TOP OF FOOTER

12" DIAMETER x 36" CONCRETE FOOTING

COLORS: ALTERNATE EVERY 9" FROM TOP  
OF POLE TO JUST BELOW FINISHED GRADE  
BETWEEN WHITE AND DARK BLUE (SC901  
AND PMS 541C)

4 IDENTITY SIGN  
SCALE: 3/4" = 1'-0"



SIGNAGE NOTES:  
1. ALL TEXT AND LETTERING SHALL BE WHITE.  
2. LANDSCAPE ARCHITECT / OWNER TO SUPPLY ARTWORK  
(COMPUTER FILE) FOR LETTERING AND LOGOS TO BE USED  
BY SIGN FABRICATOR.  
3. SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.  
4. FINAL GRAPHICS TO BE APPROVED BY LANDSCAPE  
ARCHITECT.  
5. STAKE LOCATIONS IN FIELD FOR APPROVAL BY OWNER.  
SOME ADJUSTMENTS MAY BE NECESSARY.

1/8" THICK ALUMINUM PLATE. COLOR TO  
MATCH POST. CAP SHALL BE FABRICATED  
TO EXTEND OVER SIGN FABRICATION AND  
CAP EDGE SHALL BE FLUSH WITH FRONT  
END OF LEXAN PANEL.

1/8" THICK ALUMINUM PANEL  
WITH 3M GRAPHICS.

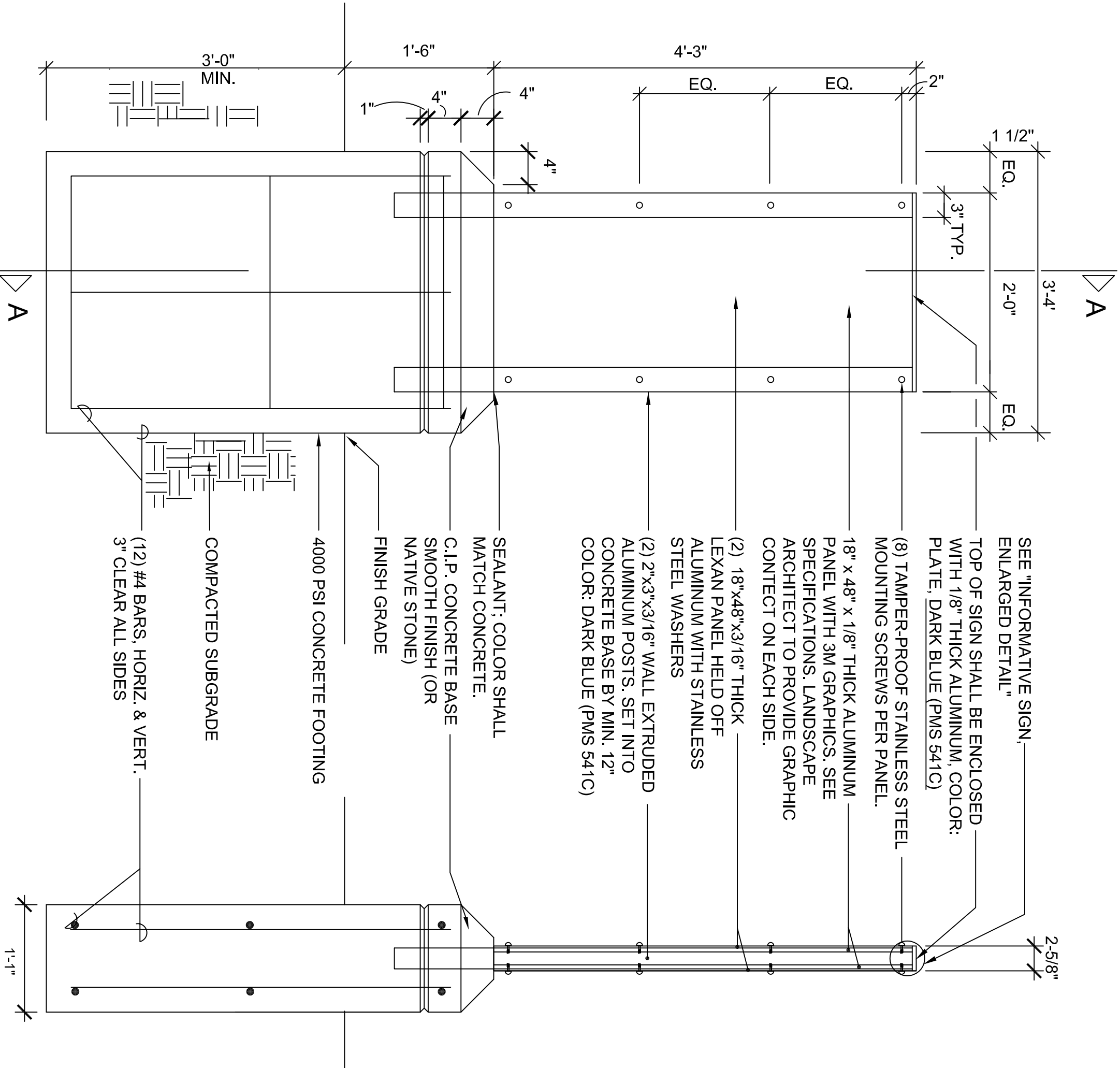
TAMPER-PROOF STAINLESS STEEL  
MOUNTING SCREWS, TYP.

(3) STAINLESS STEEL WASHERS  
PER SCREW, TYP.

3/16" THICK LEXAN PANEL

EXTRUDED ALUMINUM POST WALL

2 INFORMATIVE/ INTERPRETIVE SIGN ENLARGED DETAIL  
SCALE: 1" = 1"



SEE "INFORMATIVE SIGN -  
ENLARGED DETAIL"  
TOP OF SIGN SHALL BE ENCLOSED  
WITH 1/8" THICK ALUMINUM, COLOR:  
PLATE: DARK BLUE (PMS 541C)

(8) TAMPER-PROOF STAINLESS STEEL  
MOUNTING SCREWS PER PANEL.

1/8" x 4/8" x 1/8" THICK ALUMINUM  
PANEL WITH 3M GRAPHICS. SEE  
SPECIFICATIONS, LANDSCAPE  
ARCHITECT TO PROVIDE GRAPHIC  
CONTENT ON EACH SIDE.

(2) 1/8" x 4/8" x 3/16" THICK  
LEXAN PANEL HELD OFF  
ALUMINUM WITH STAINLESS  
STEEL WASHERS

(2) 2"x3"x3/16" WALL EXTRUDED  
ALUMINUM POSTS, SET INTO  
CONCRETE BASE BY MIN. 12"  
COLOR: DARK BLUE (PMS 541C)

SEALANT: COLOR SHALL  
MATCH CONCRETE.

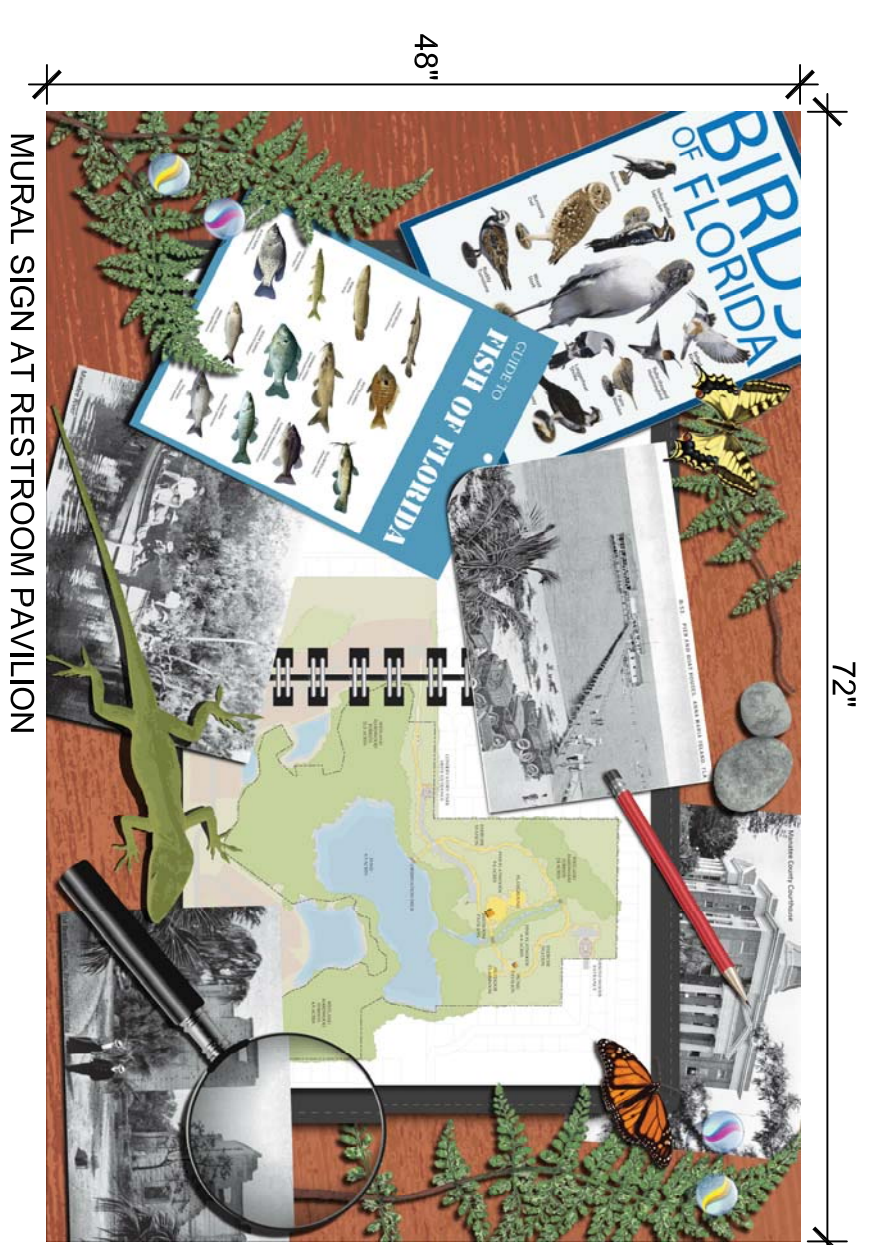
C.I.P. CONCRETE BASE  
SMOOTH FINISH (OR  
NATIVE STONE)  
FINISH GRADE

4000 PSI CONCRETE FOOTING

COMPACTED SUBGRADE

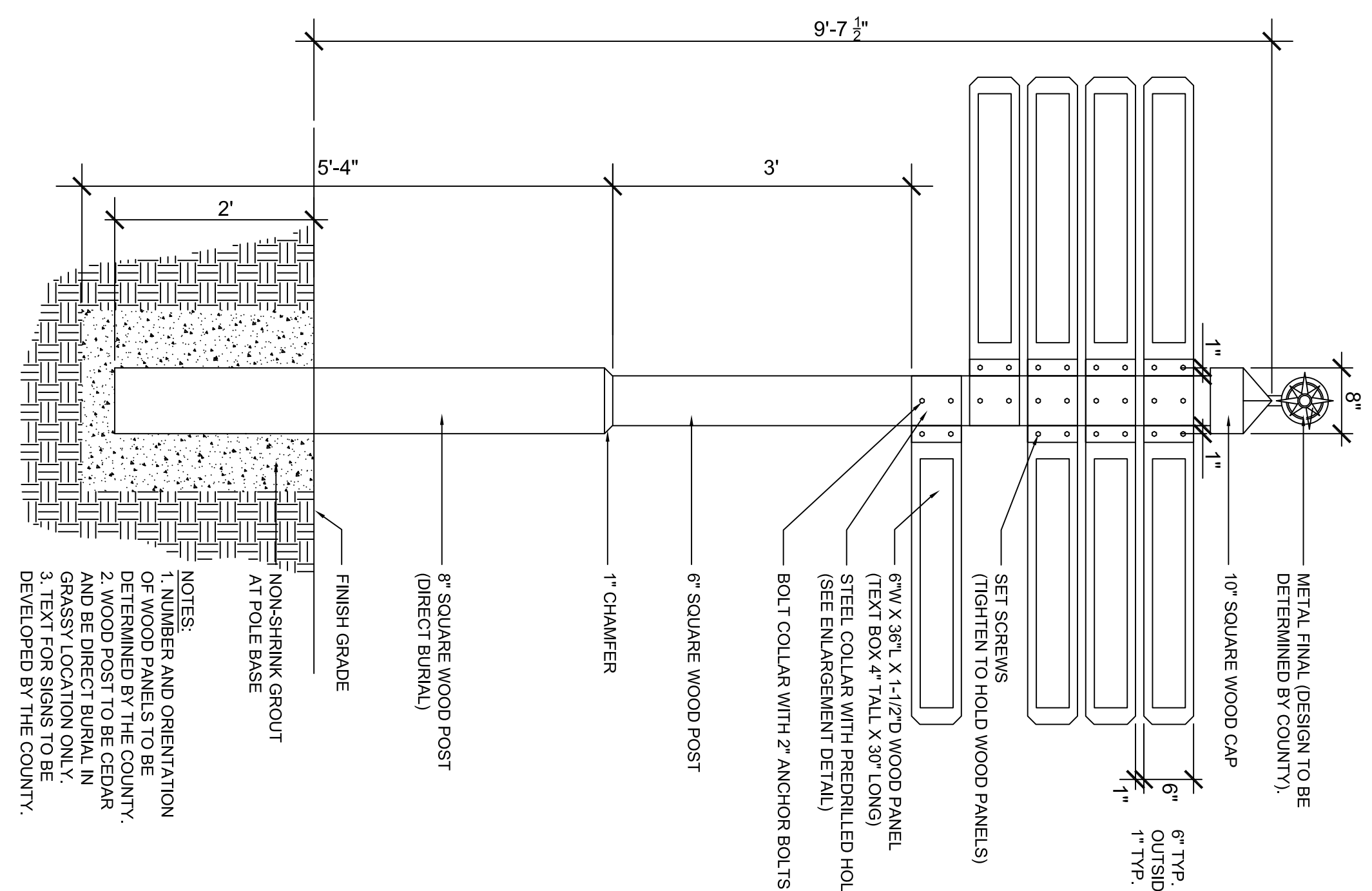
(12) #4 BARS HORIZ. & VERT.  
3' CLEAR ALL SIDES

5 INFORMATIVE/ INTERPRETIVE SIGN  
SCALE: 3/4" = 1'-0"



NOTE: LANDSCAPE ARCHITECT TO  
PROVIDE GRAPHIC FOR SIGNAGE.

3 SIGNAGE GRAPHICS  
SCALE: N.T.S.



NOTES:  
1. NUMBER AND ORIENTATION  
OF BOARD PANELS TO BE  
DETERMINED BY COUNTY.  
2. WOOD POST TO BE CEDAR  
AND BE DIRECT BURIAL IN  
GRASSY LOCATION ONLY.  
3. TEXT FOR SIGNS TO BE  
DEVELOPED BY THE COUNTY.

6 DIRECTIONAL TOTEM  
ELEVATION N.T.S.

**PARK RULES:**

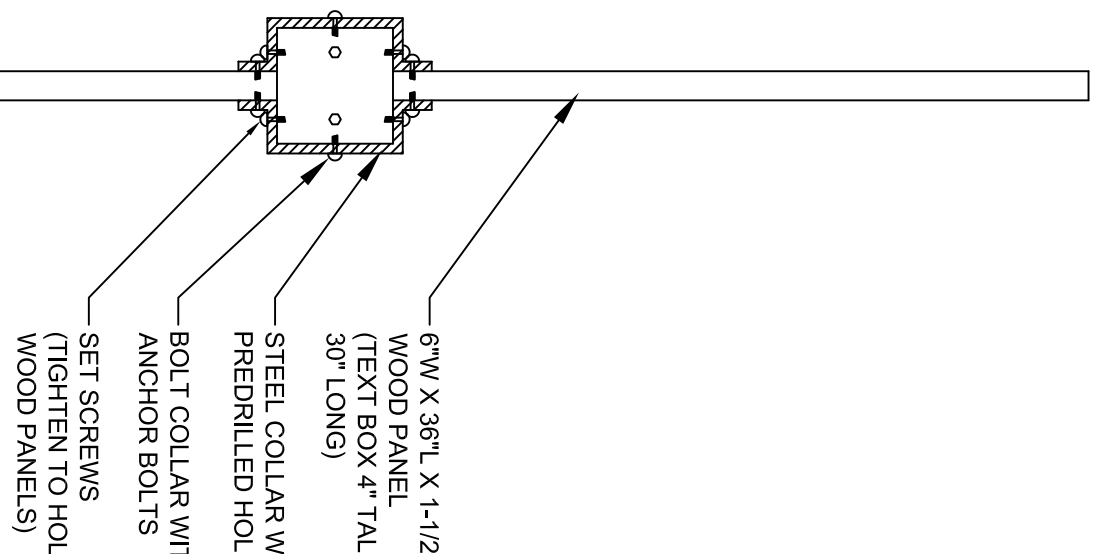
- Park Hours: 10AM TO 6PM
- No Pets Allowed (on leash)
- No Alcohol Consumption
- No Smoking or Vaping
- No Motorized Vehicles on Trail
- No Open Fires
- No Firearms
- No Firearms, Alcohol or Tobacco
- No Overweight Fishing
- No Firearms, Alcohol or Tobacco
- Use Trail and Respectful Care
- Pets in Enclosed Areas Only

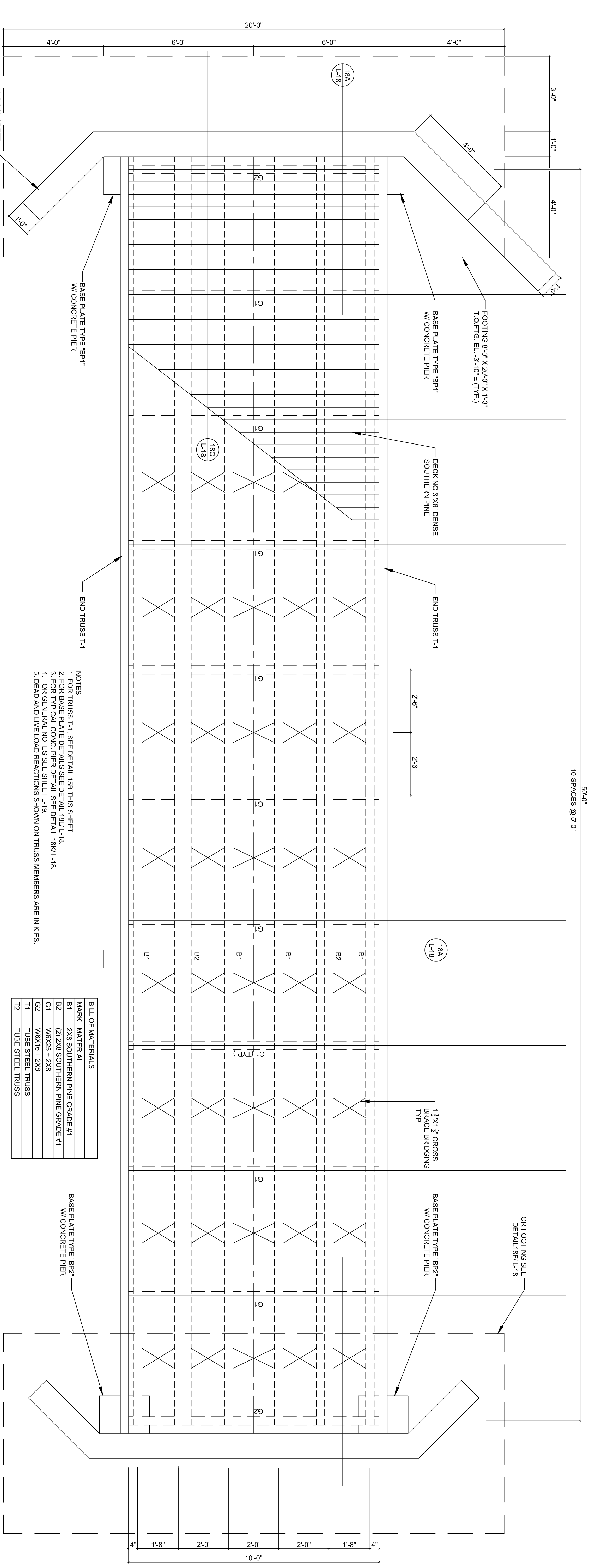
**EMERGENCY:**

911 (24/7) - Police, Fire, Ambulance  
904 (24/7) - Florida State Parks  
272 (24/7) - The Wilderness Center (Wild)

RULES SIGN AT  
PICNIC PAVILION

7 STEEL COLLAR ENLARGEMENT  
PLAN N.T.S.



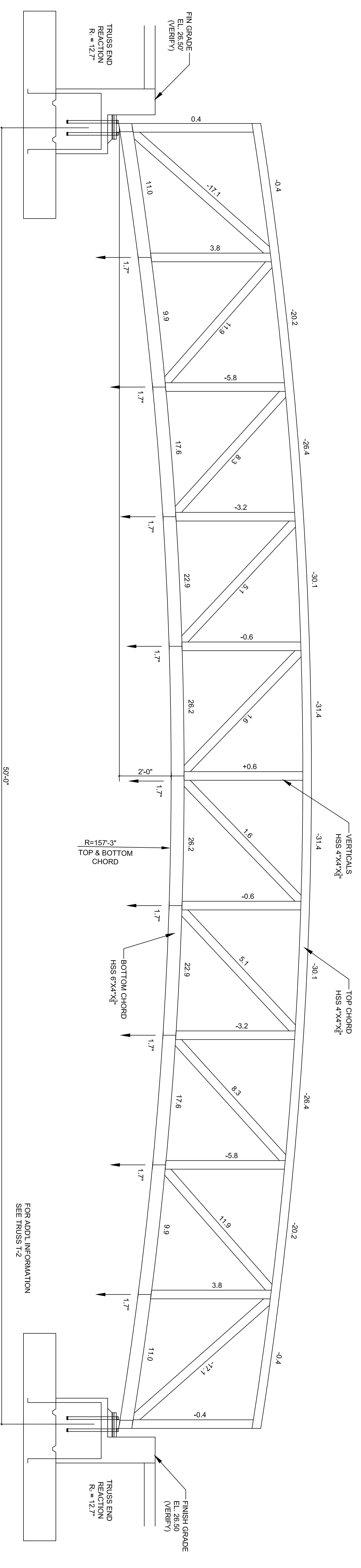


**15A SOUTH BRIDGE FRAMING PLAN**  
L-15 NOT TO SCALE

- NOTES:**
1. FOR TRUSS T-1, SEE DETAIL 15B THIS SHEET.
  2. FOR BASE PLATE DETAILS SEE DETAIL 18U/L-18.
  3. FOR TYPICAL CONC. PIER DETAIL SEE DETAIL 18K/L-18.
  4. FOR GENERAL NOTES SEE SHEET L-9.
  5. DEAD AND LIVE LOAD REACTIONS SHOWN ON TRUSS MEMBERS ARE IN KIPS.

**BILL OF MATERIALS**

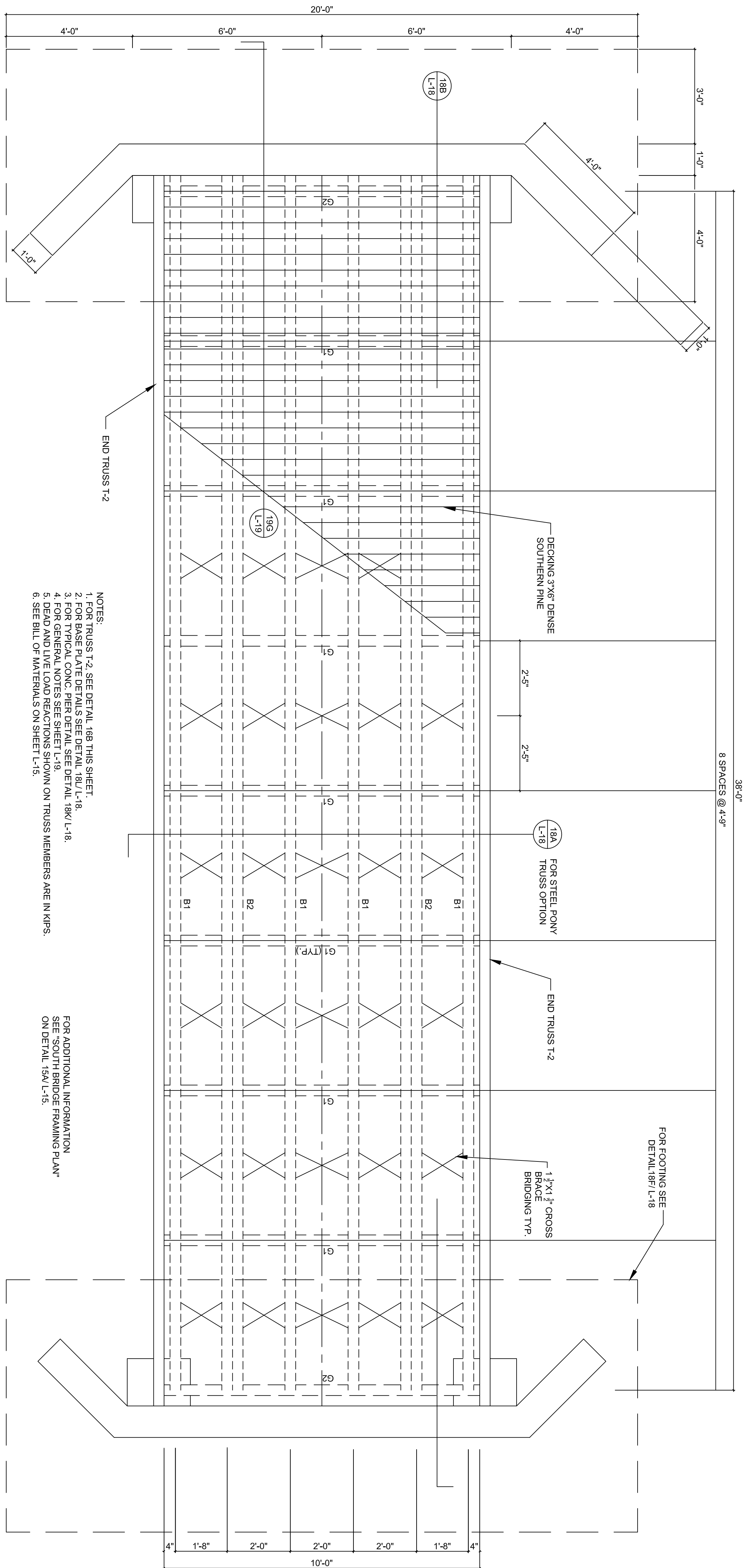
MARK	MATERIAL
B1	2X8 SOUTHERN PINE GRADE #1
B2	(2) 2X8 SOUTHERN PINE GRADE #1
G1	W6X25 + 2X8
G2	W6X16 + 2X8
T1	TUBE STEEL TRUSS
T2	TUBE STEEL TRUSS



**15B ELEVATION FOR SOUTH BRIDGE**  
L-15 NOT TO SCALE

50'-0"  
10 SPACES @ 5'-0"  
TRUSS T-1

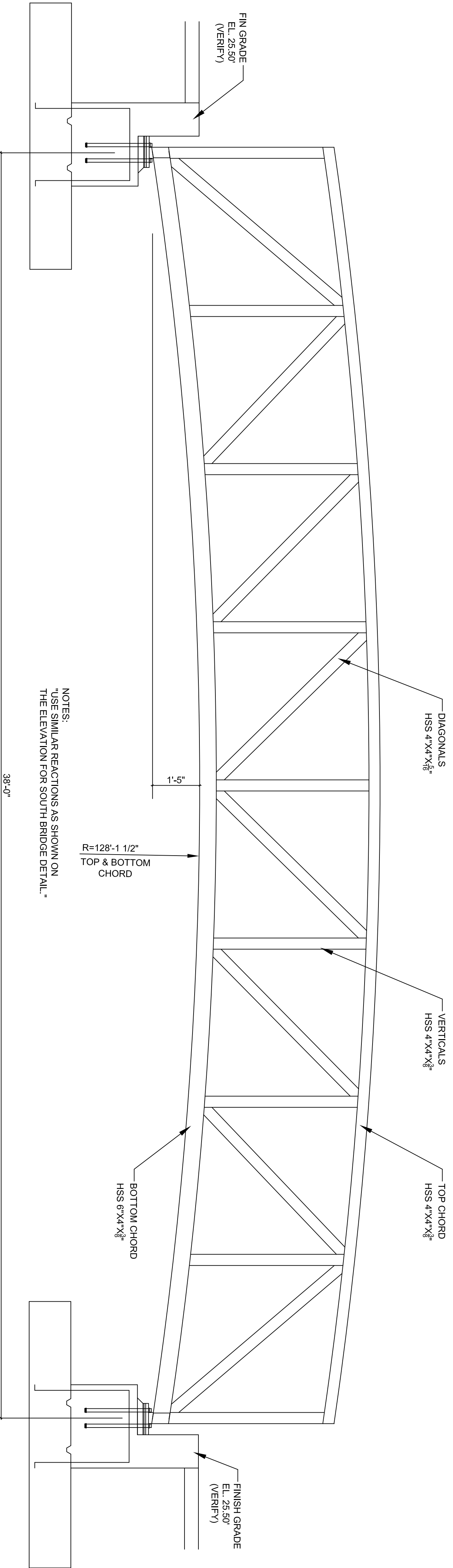
<p><b>21110</b> SHEET L-15</p>	<p><b>CONSERVATORY PARK BRADENTON, FLORIDA</b></p> <p><b>SITE DETAILS - 9</b></p>	<p>DRAWN: FW</p> <p>DESIGNED: BH</p> <p>CHECKED: ST</p> <p>DATE: 09/03/10</p>	<p><b>IBI GROUP</b></p>	<p><b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM</p> <p>ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610</p> <p>PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <p>1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1716 FAX: (941) 554-0231</p>	<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>	REV.	DATE	DESCRIPTION	BY																				
	REV.	DATE	DESCRIPTION	BY																									
SCALE																													
FOR ADD'L INFORMATION SEE TRUSS T-2																													
10 SPACES @ 5'-0"																													



**16A**  
NORTH BRIDGE FRAMING PLAN  
L-16 NOT TO SCALE

- NOTES:
1. FOR TRUSS T-2, SEE DETAIL 188 THIS SHEET.
  2. FOR BASE PLATE DETAILS SEE DETAIL 181/L-18.
  3. FOR TYPICAL CONC. PIER DETAIL SEE DETAIL 186/L-18.
  4. FOR GENERAL NOTES SEE SHEET L-19.
  5. DEAD AND LIVE LOAD REACTIONS SHOWN ON TRUSS MEMBERS ARE IN KIPS.
  6. SEE BILL OF MATERIALS ON SHEET L-15.

FOR ADDITIONAL INFORMATION  
SEE SOUTH BRIDGE FRAMING PLAN  
ON DETAIL 15A/L-15.

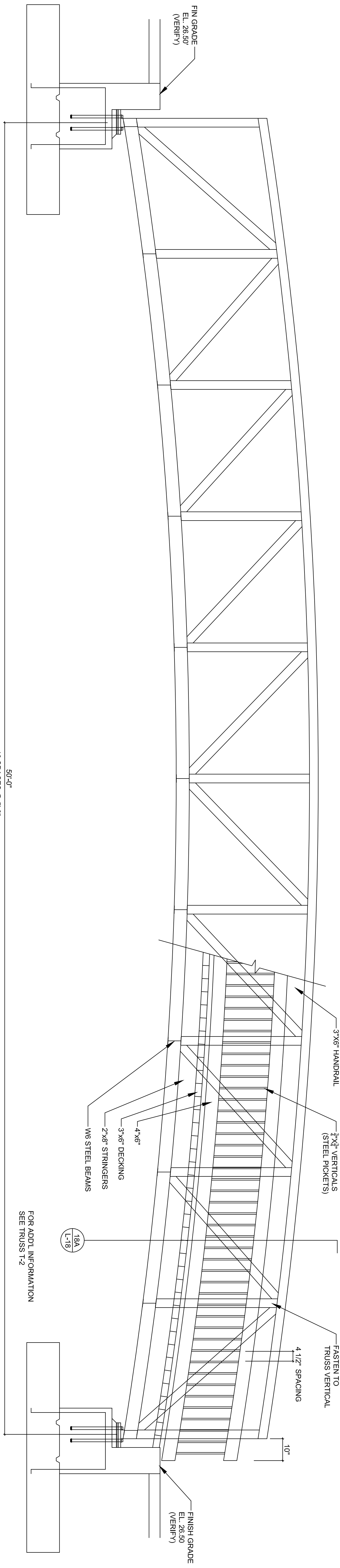


**16B**  
ELEVATION FOR NORTH BRIDGE  
L-16 NOT TO SCALE

NOTES:  
"USE SIMILAR REACTIONS AS SHOWN ON THE ELEVATION FOR SOUTH BRIDGE DETAIL."

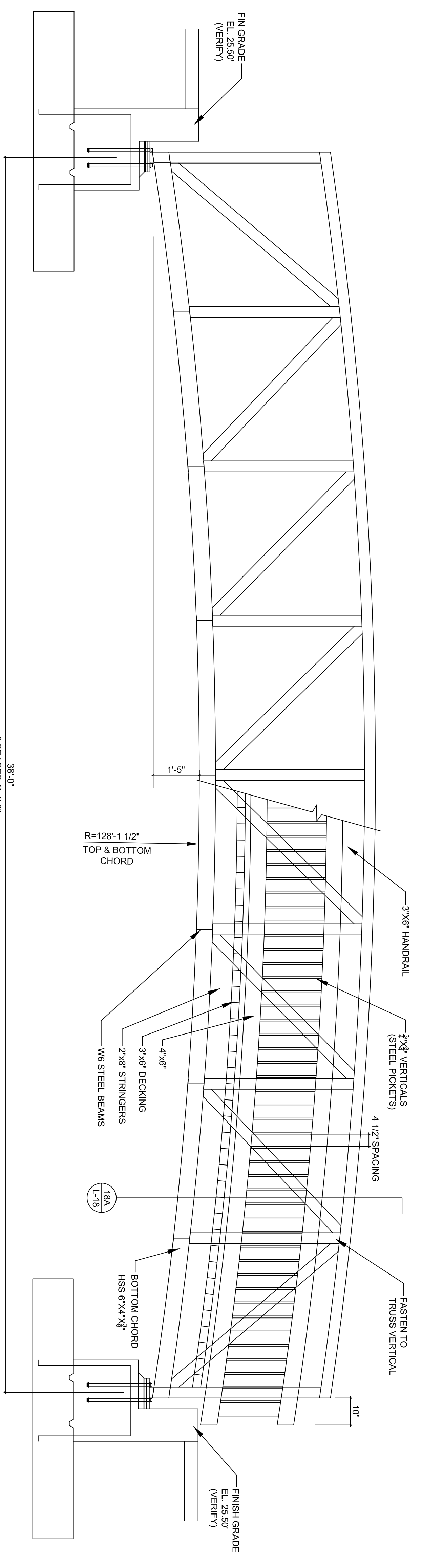
38'-0"  
8 SPACES @ 4'-9"  
TRUSS T-2

21110 SHEET L-16	SCALE	CONSERVATORY PARK BRADENTON, FLORIDA		DRAWN: FW DESIGNED: BH CHECKED: ST DATE: 09/03/10		<b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB6610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS		REV. DATE DESCRIPTION BY
		SITE DETAILS - 10				1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1718 FAX: (941) 554-0231		
		FINISH GRADE EL. 25.50' (VERIFY)				FINISH GRADE EL. 25.50' (VERIFY)		
		NOTES: "USE SIMILAR REACTIONS AS SHOWN ON THE ELEVATION FOR SOUTH BRIDGE DETAIL."				FOR FOOTING SEE DETAIL 187/L-18		



17A  
L-17  
ELEVATION FOR SOUTH BRIDGE HANDRAILS  
NOT TO SCALE

50'-0"  
10 SPACES @ 5'-0"  
TRUSS T-1



17B  
L-17  
ELEVATION FOR NORTH BRIDGE HANDRAILS  
NOT TO SCALE

38'-0"  
8 SPACES @ 4'-9"  
TRUSS T-2

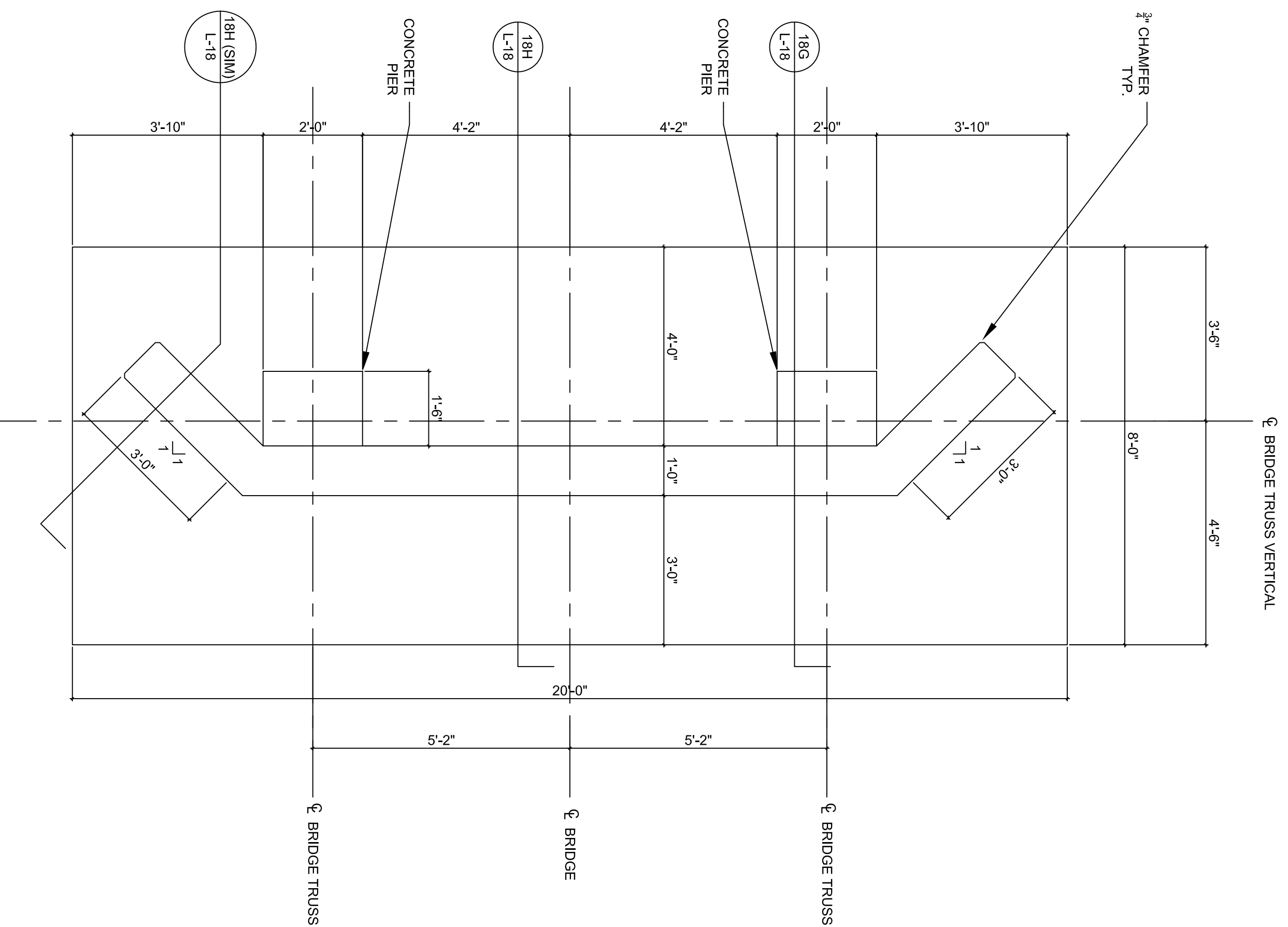
FOR ADDITIONAL INFORMATION  
SEE TRUSS T-2

R=128'-1 1/2"  
TOP & BOTTOM  
CHORD

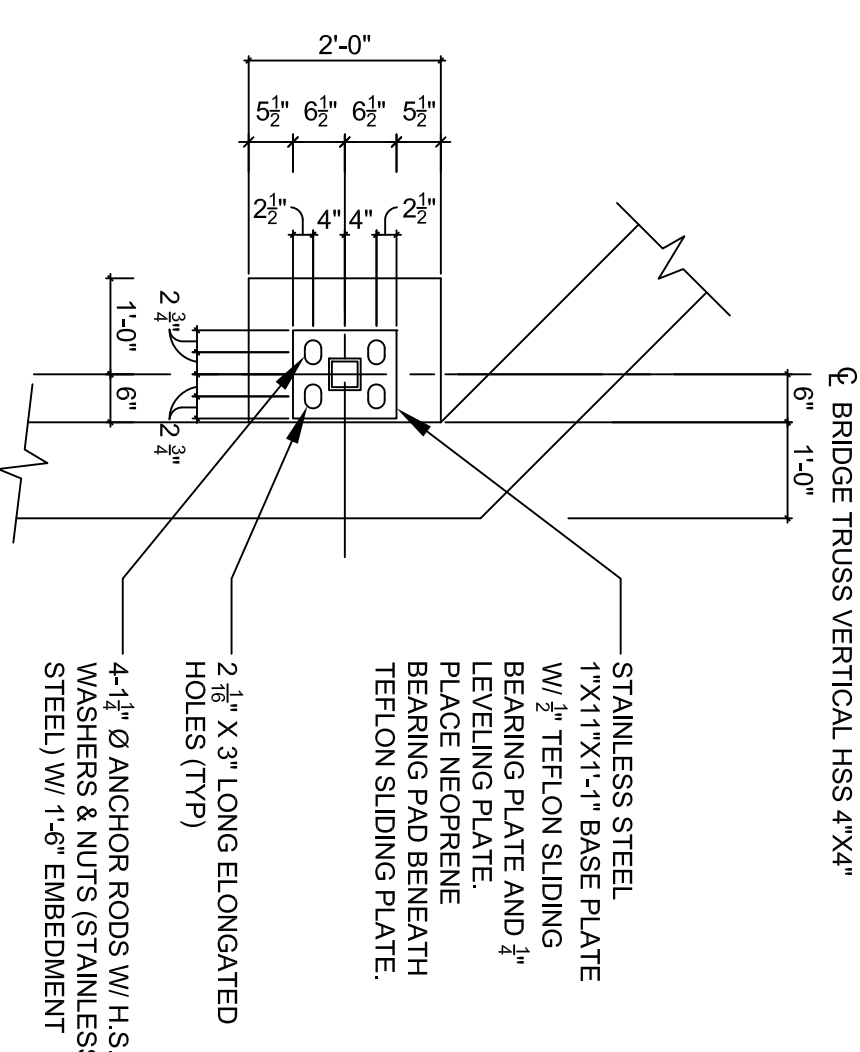
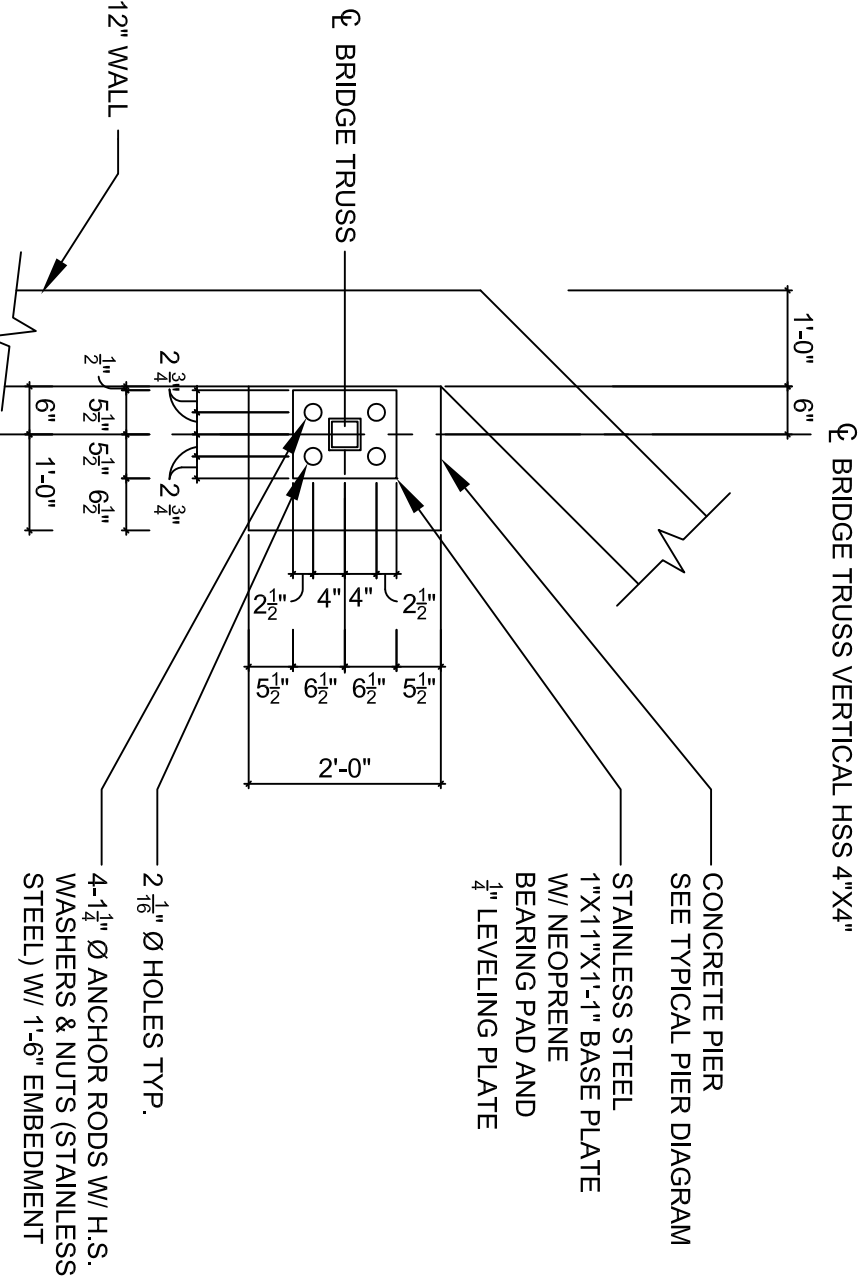
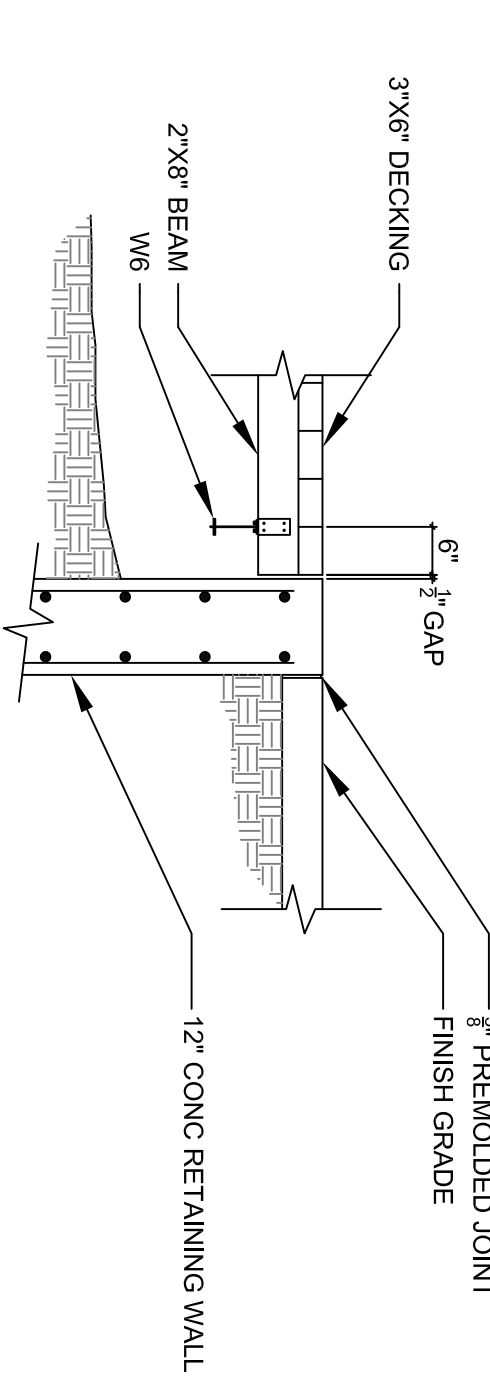
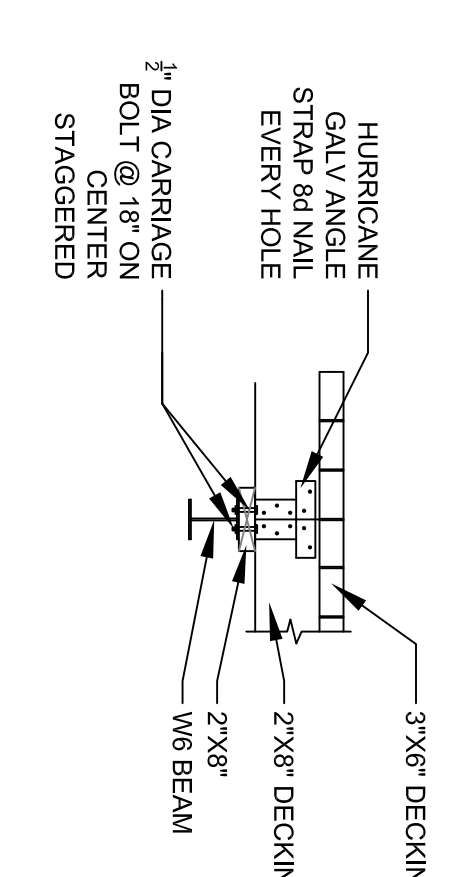
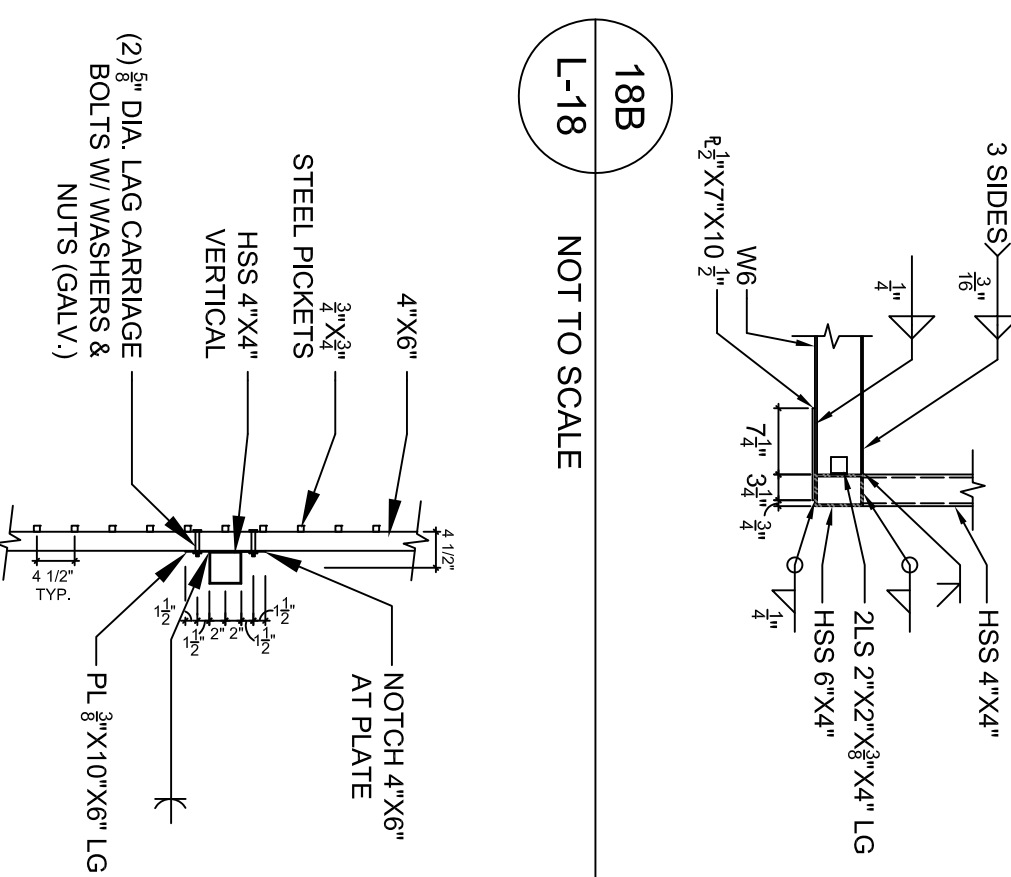
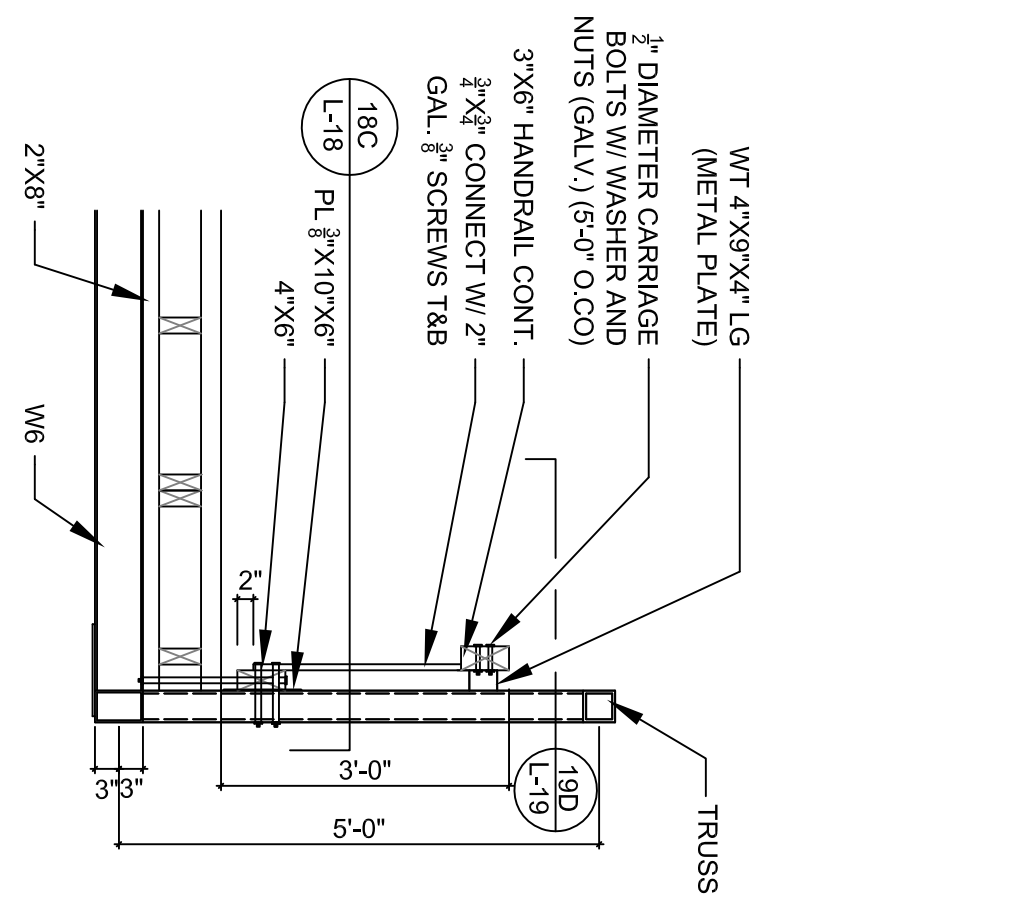
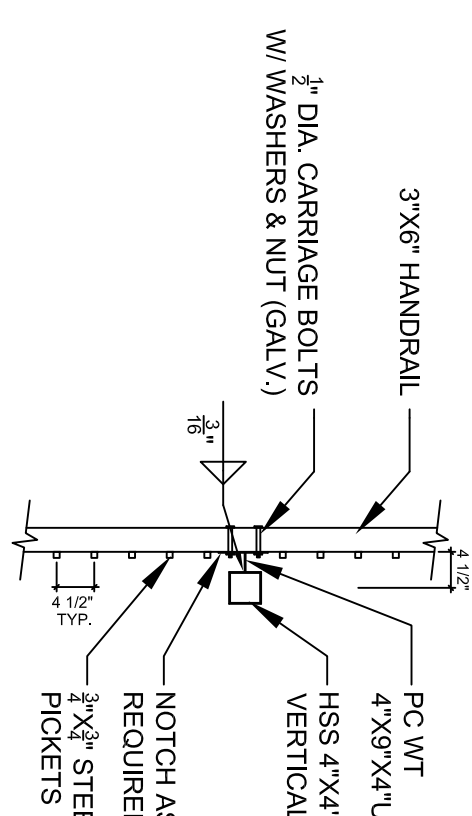
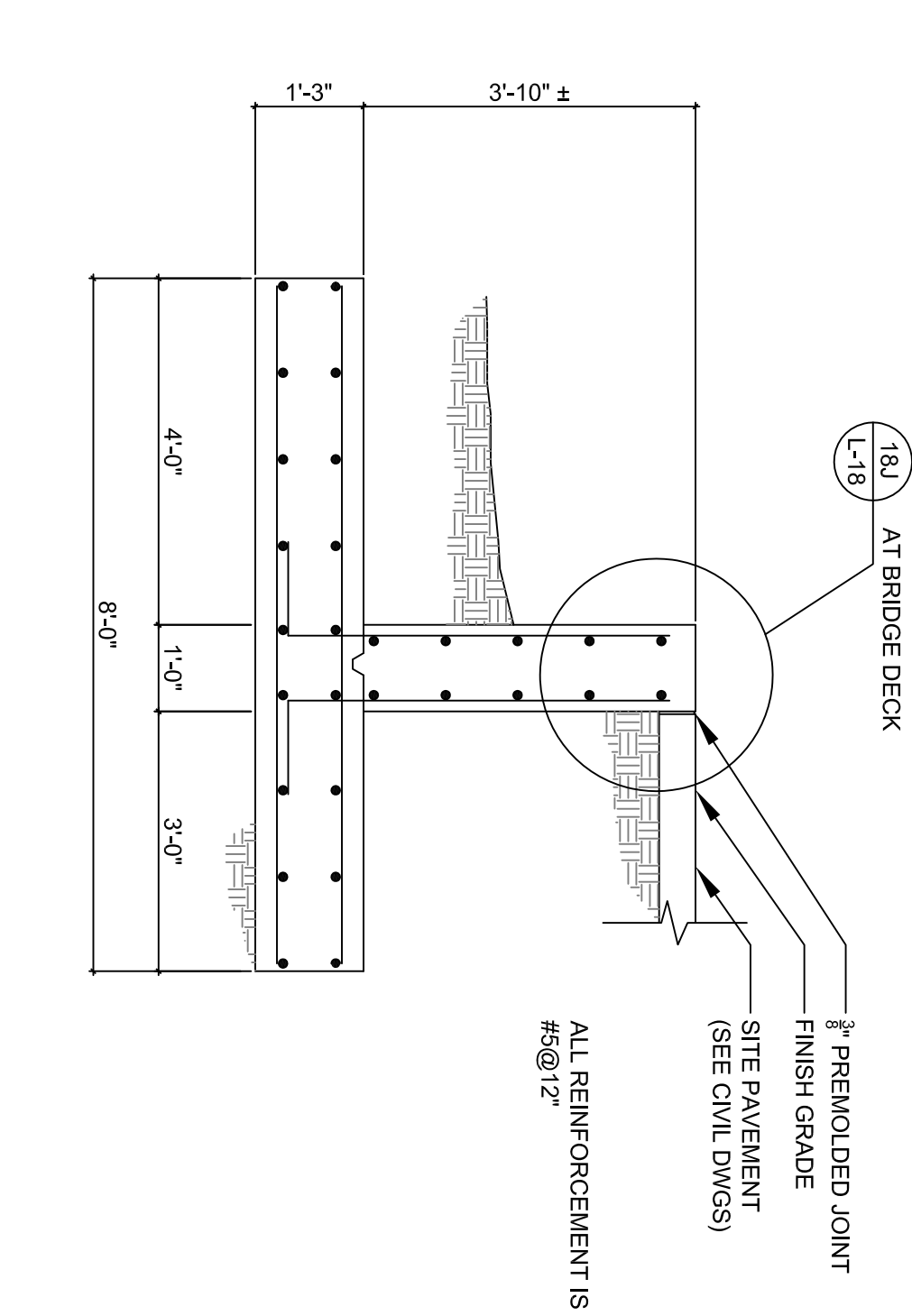
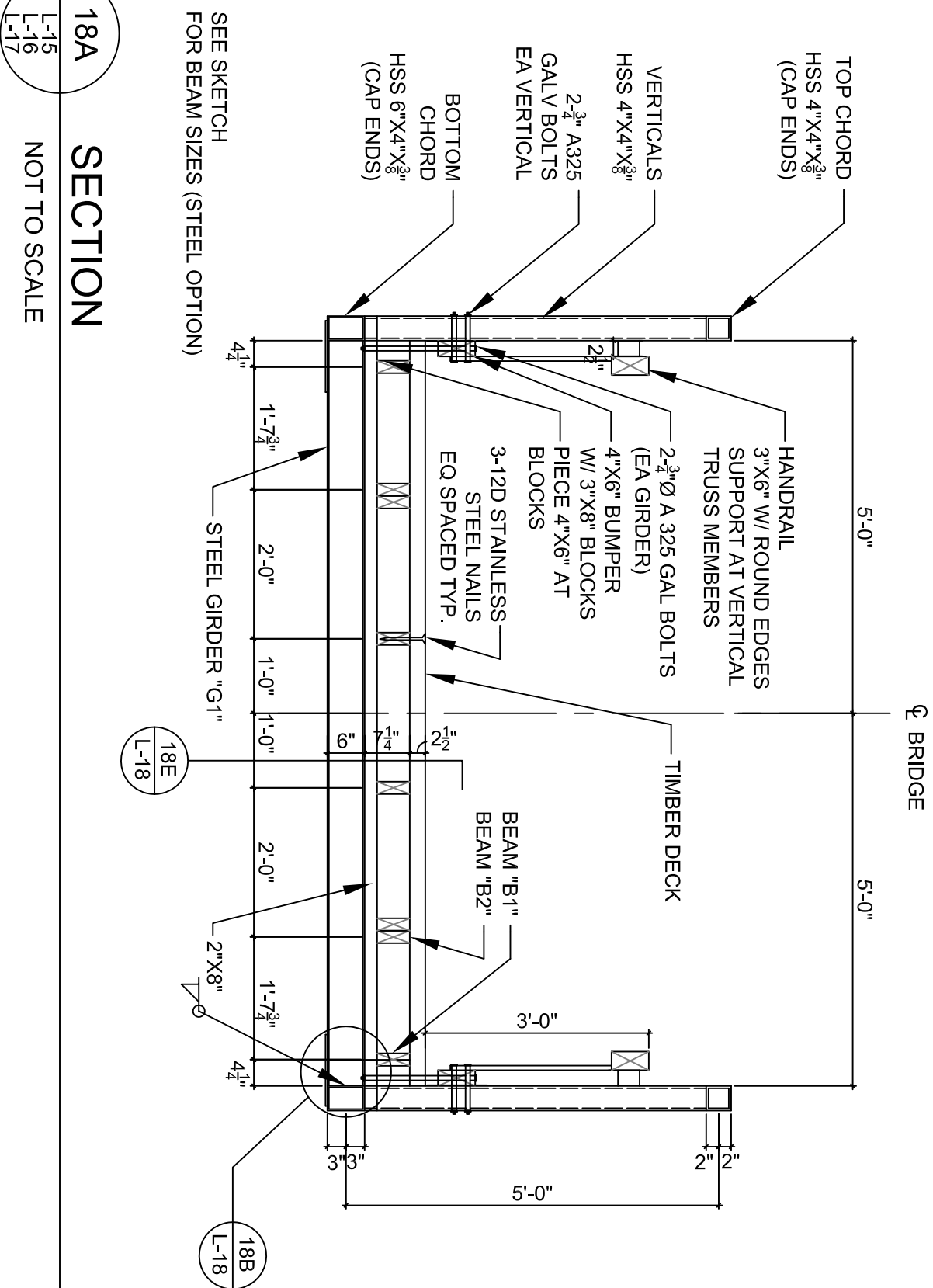
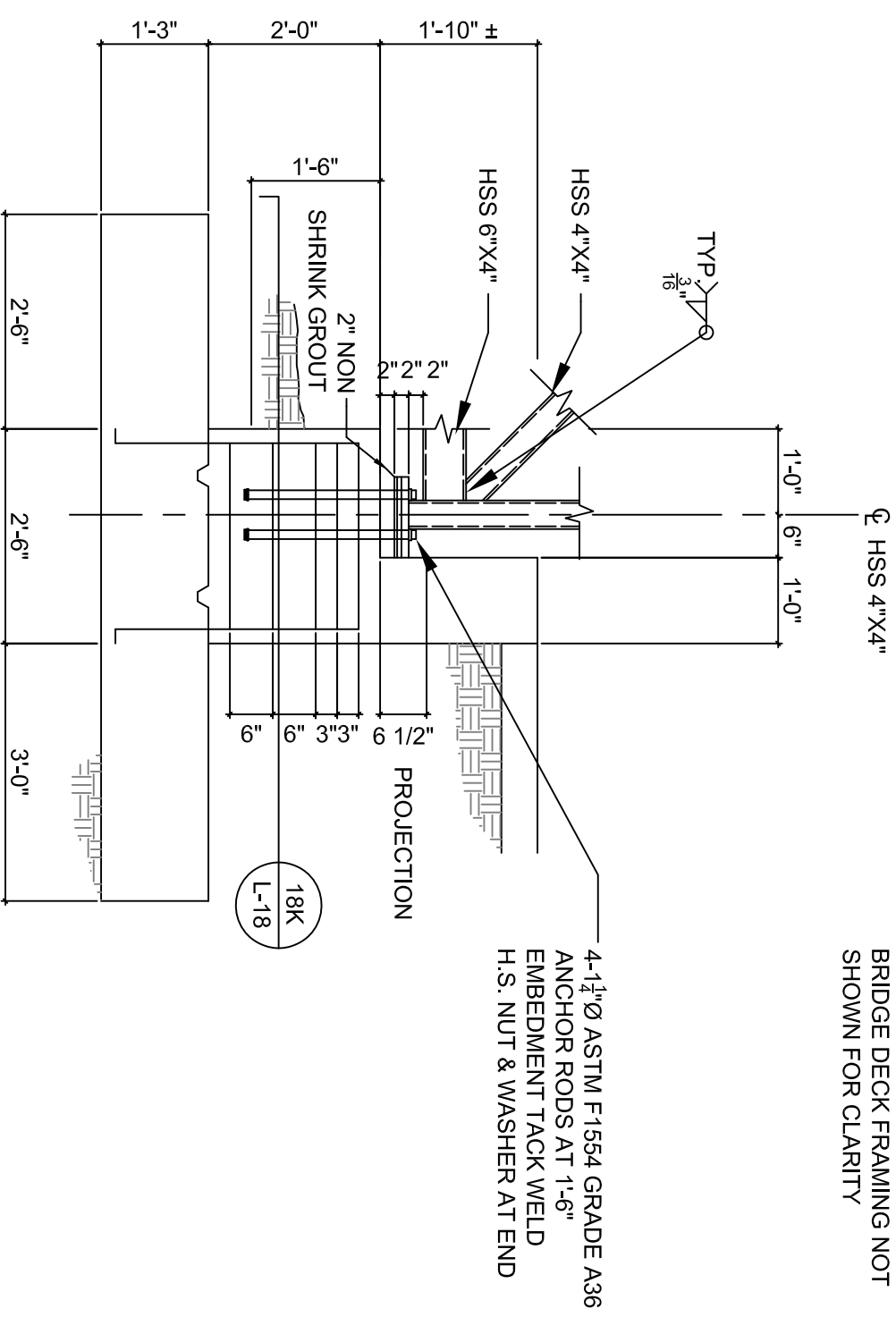
18A  
L-18

BOTTOM CHORD  
HSS 6"x4"x3/8"

<p>21110 SHEET L-17</p>	<p>SCALE</p>	<p>CONSERVATORY PARK BRADENTON, FLORIDA</p>		<p>DRAWN: FW DESIGNED: BH CHECKED: ST DATE: 09/03/10</p>	<p><b>IBI GROUP</b></p>	<p><b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM</p>		<p>ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p>	<p>1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1718 FAX: (941) 554-0231</p>	<p>REV.</p>	<p>DATE</p>	<p>DESCRIPTION</p>	<p>BY</p>
		<p>17A</p>	<p>17B</p>			<p>17C</p>	<p>17D</p>			<p>17E</p>	<p>17F</p>	<p>17G</p>	<p>17H</p>



NOTE:  
BRIDGE DECK FRAMING NOT  
SHOWN FOR CLARITY





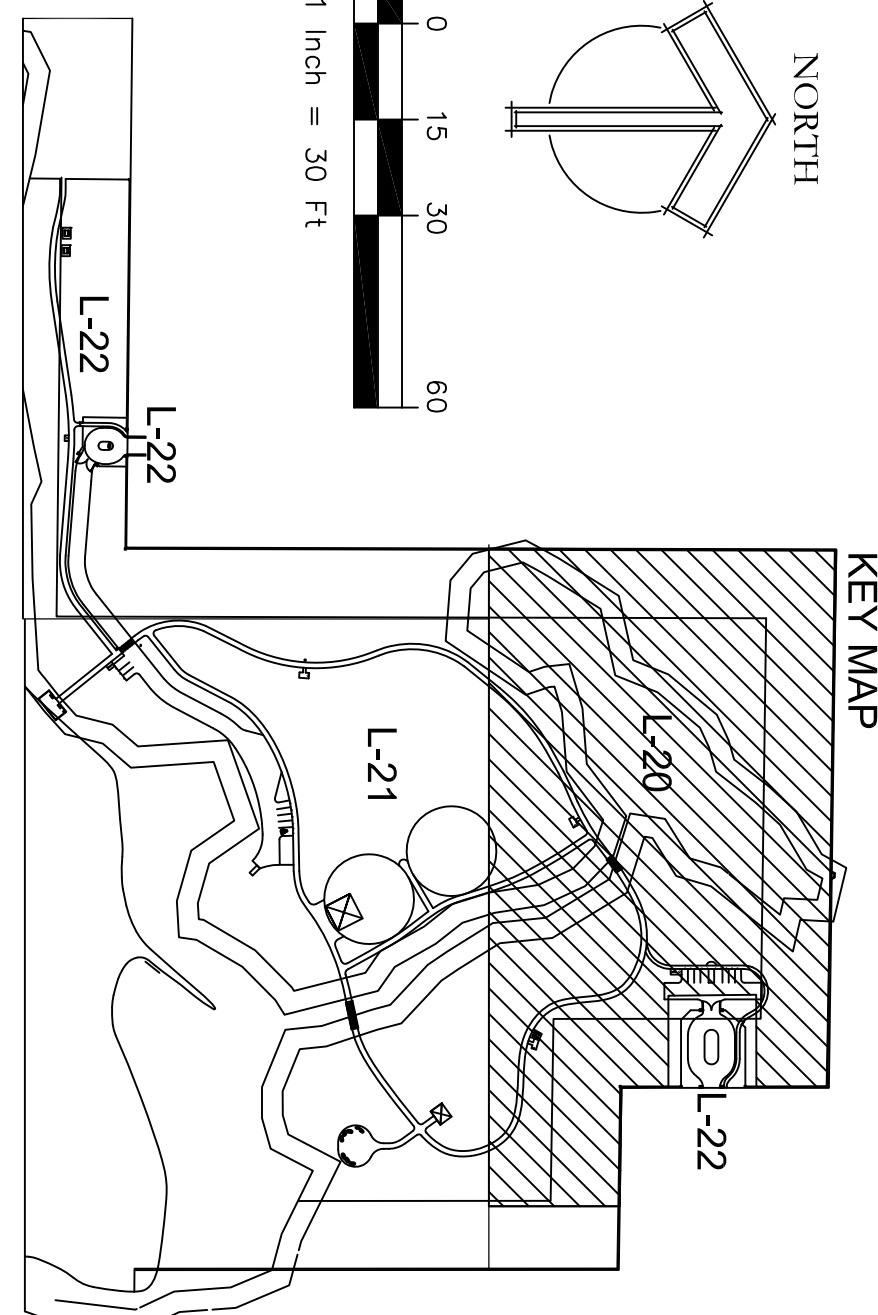
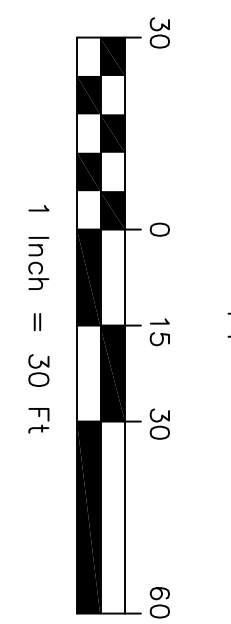


**EXISTING TREE LEGEND**

- ⊕ = Australian Pine Tree
- ⊕ = Banana Tree
- ⊕ = Bay Tree
- ⊕ = Black Cherry
- ⊕ = Bottle Brush Tree
- ⊕ = Brazilian Pepper
- ⊕ = Bush
- ⊕ = Cactus
- ⊕ = Camphor Tree
- ⊕ = Cedar Tree
- ⊕ = Citrus Tree
- ⊕ = China Berry Tree
- ⊕ = Cypress Tree
- ⊕ = Dead Tree
- ⊕ = Ear Tree
- ⊕ = Evergreen Tree
- ⊕ = Eucalyptus Tree
- ⊕ = Hickory Tree
- ⊕ = Holly Tree
- ⊕ = Jacaranda Tree
- ⊕ = Loquat Tree
- ⊕ = Magnolia Tree
- ⊕ = Citrus Tree
- ⊕ = Cherry Laurel Tree
- ⊕ = Mimosa Tree
- ⊕ = Mulberry Tree
- ⊕ = Myrtle Tree
- ⊕ = Oak Tree
- ⊕ = Palm Tree
- ⊕ = Pine Tree
- ⊕ = Pink Tree
- ⊕ = Sweet Gum Tree
- ⊕ = Sycamore Tree
- ⊕ = Unknown Tree Type
- ⊕ = Willow Tree
- ⊕ = Maple Tree

**PLANT LEGEND**

- ⊕ LOBLOLLY BAY - GOL
- ⊕ ILEX GLABRA - ILG
- ⊕ FETTERBUSH - LVL
- ⊕ ST. JOHN'S WORT - HYF
- ⊕ BLUEBERRY - VAM
- ⊕ SCHILLINGS DWARF - ILV
- ⊕ CINNAMON FERN - OSC
- ⊕ GOPHER APPLE - LIM
- ⊕ SUNSHINE MIMOSA - MIS
- ⊕ BUTTERFLY BUSH - BUD
- ⊕ SMALL GLOBE THISTLE - ECR
- ⊕ FIREBUSH - HAP
- ⊕ SAND CORDRASS - SPB
- ⊕ PENTAS PINK - PLP
- ⊕ PENTAS RED - PLR
- ⊕ PENTAS WHITE - PLW



**PLANTING PLAN NOTES**

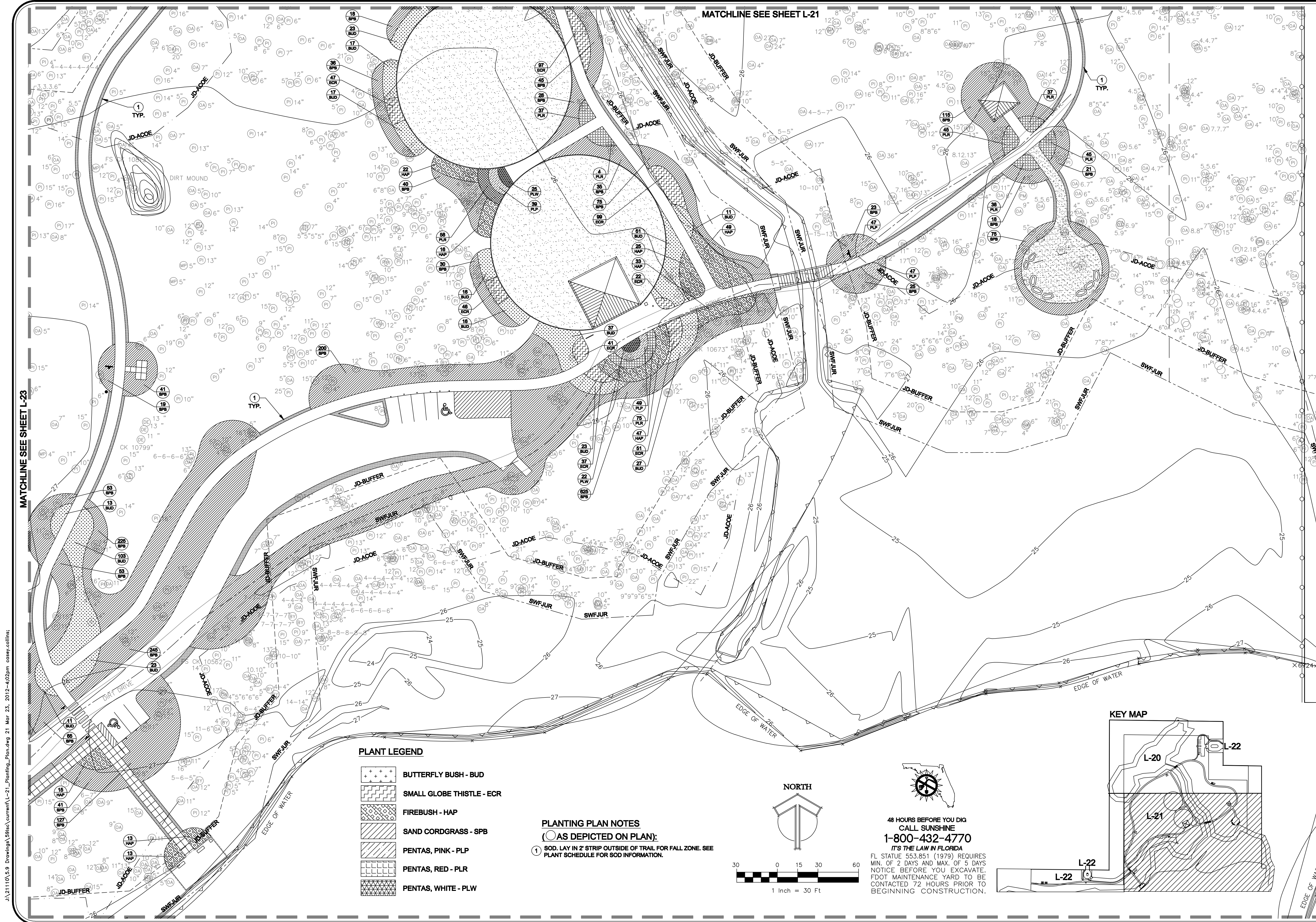
- 1 SOD LAY IN 2 STRIP OUTSIDE OF TRAIL FOR FALL ZONE. SEE PLANT SCHEDULE FOR SOD INFORMATION.

SEE SHEET L-22 FOR ENLARGEMENT

MATCHLINE SEE SHEET L-22

<p><b>21110</b> SHEET L-20</p>	<p><b>CONSERVATORY PARK</b> BRADENTON, FLORIDA</p> <p><b>PLANTING PLAN - 1</b></p>	<p>DRAWN: FW</p> <p>DESIGNED: ST</p> <p>CHECKED: ST</p> <p>DATE: 09/03/10</p>	<p><b>IBI GROUP</b></p>	<p><b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM</p> <p>ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610</p> <p>PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <p>1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1718 FAX: (941) 554-0231</p>	<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV.	DATE	DESCRIPTION	BY				
REV.	DATE	DESCRIPTION	BY										





MATCHLINE SEE SHEET L-23

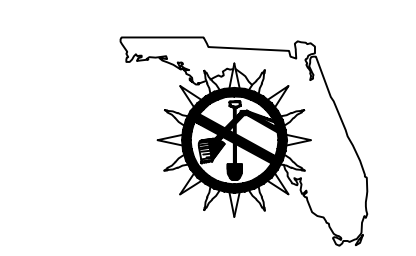
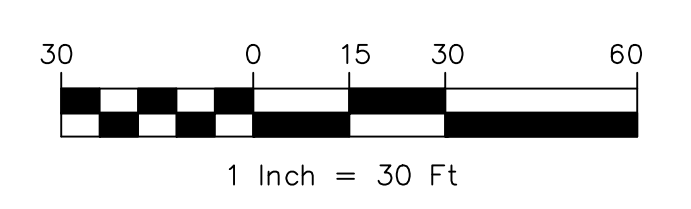
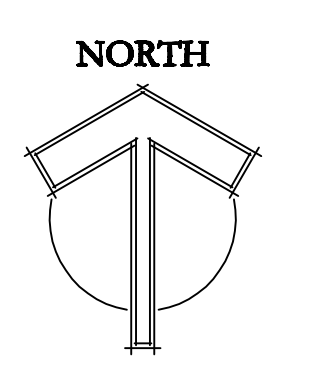
MATCHLINE SEE SHEET L-21

**PLANT LEGEND**

- BUTTERFLY BUSH - BUD
- SMALL GLOBE THISTLE - ECR
- FIREBUSH - HAP
- SAND CORDGRASS - SPB
- PENTAS, PINK - PLP
- PENTAS, RED - PLR
- PENTAS, WHITE - PLW

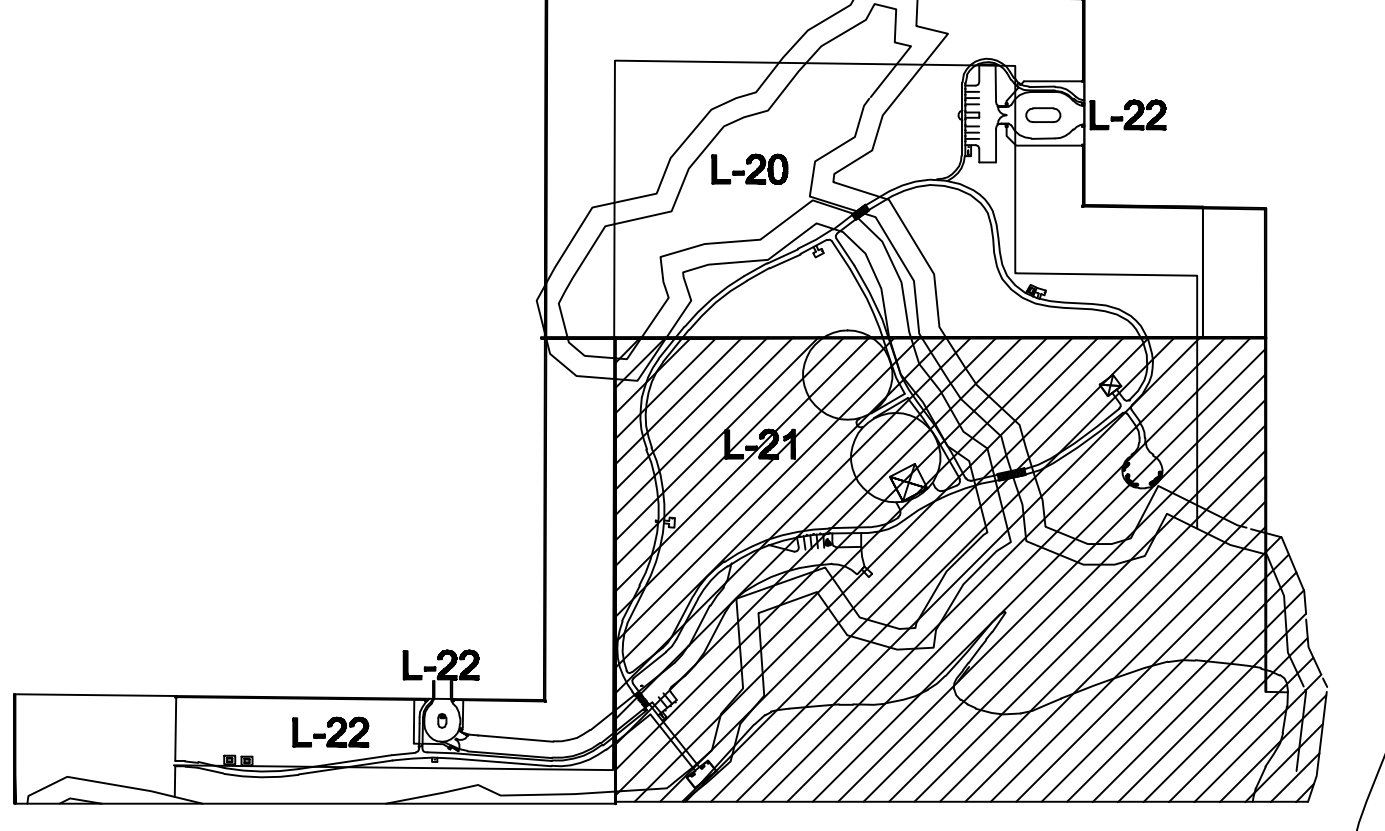
**PLANTING PLAN NOTES**

- (○) AS DEPICTED ON PLAN);
- ① SOD. LAY IN 2' STRIP OUTSIDE OF TRAIL FOR FALL ZONE. SEE PLANT SCHEDULE FOR SOD INFORMATION.



**48 HOURS BEFORE YOU DIG  
CALL SUNSHINE  
1-800-432-4770  
IT'S THE LAW IN FLORIDA**  
FL. STATUTE 553.851 (1979) REQUIRES  
MIN. OF 2 DAYS AND MAX. OF 5 DAYS  
NOTICE BEFORE YOU EXCAVATE.  
FOOT MAINTENANCE YARD TO BE  
CONTACTED 72 HOURS PRIOR TO  
BEGINNING CONSTRUCTION.

**KEY MAP**



JA:\21110\5.9 Drawings\5981a\current\L-21\_Planting\_Plan.dwg 21 Mar 23, 2012 4:02pm casey.collins

<b>IBI GROUP</b>		<b>IBI GROUP, INC.</b> SURVEYORS AGLB610 ENGINEERS CERT OF AUTH #2988 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1421 96 STREET, SUITE B SARASOTA, FL 34236 PHONE (941) 552-2211 FAX (941) 552-2221 HTTP://WWW.IBIGROUP.COM	
DRAWN: FW	DESIGNED: ST	CHECKED: ST	DATE: 08/03/10
<b>CONSERVATORY PARK BRADENTON, FLORIDA</b>		<b>PLANTING PLAN - 2</b>	
SCALE		21110	
SHEET		L-21	
BY		DESCRIPTION	

**PLANT LEGEND**

- + LOBILOLLY BAY - GOI
- ILEX GLABRA - IIG
- FETTERBUSH - FYI
- ⊕ ST. JOHNS WORT - HJF
- ⊗ BLUEBERRY - VAM
- ⊗ SCHILLINGS DWARF - LLV
- ⊗ CINNAMON FERN - OSC
- ⊗ GOPHER APPLE - LIM
- ⊗ SUNSHINE MIMOSA - MIS

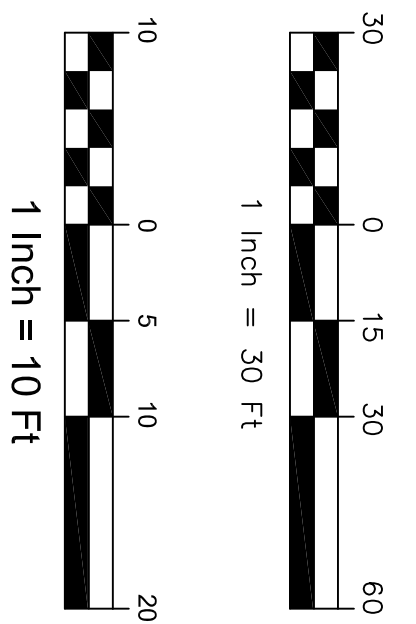
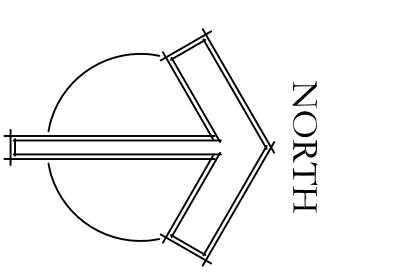
- ++++ BUTTERFLY BUSH - BUD
- SMALL GLOBE THISTLE - EGR
- ▨ FIREBUSH - HAP
- ▨ SAND COROGRASS - SPB
- ▨ PENTAS, PINK - PJP
- ▨ PENTAS, RED - PLR
- ▨ PENTAS, WHITE - PLW

- EXISTING TREE LEGEND**
- AP = Australian Pine Tree
  - BN = Banana Tree
  - BY = Bay Tree
  - BC = Black Cherry
  - BB = Bottle Brush Tree
  - BS = Bush
  - CU = Cactus
  - CP = Camphor Tree
  - CD = Cedar Tree
  - CT = Citrus Tree
  - CH = Cherry Laurel Tree
  - CB = China Berry Tree
  - CY = Cypress Tree
  - DE = Dead Tree
  - EA = Ear Tree
  - EB = Eucalyptus Tree
  - EG = Eucalyptus Tree
  - EU = Eucalyptus Tree
  - HK = Hickory Tree
  - HO = Holly Tree
  - JA = Jacaranda Tree
  - LO = Loquat Tree
  - MA = Magnolia Tree
  - MP = Maple Tree

- MI = Mimosa Tree
- MU = Mulberry Tree
- MY = Myrtle Tree
- EA = Ear Tree
- OK = Oak Tree
- PA = Palm Tree
- PI = Pine Tree
- PJ = Punk Tree
- SG = Sweet Gum Tree
- SY = Sycamore Tree
- UN = Unknown Tree Type
- WI = Willow Tree

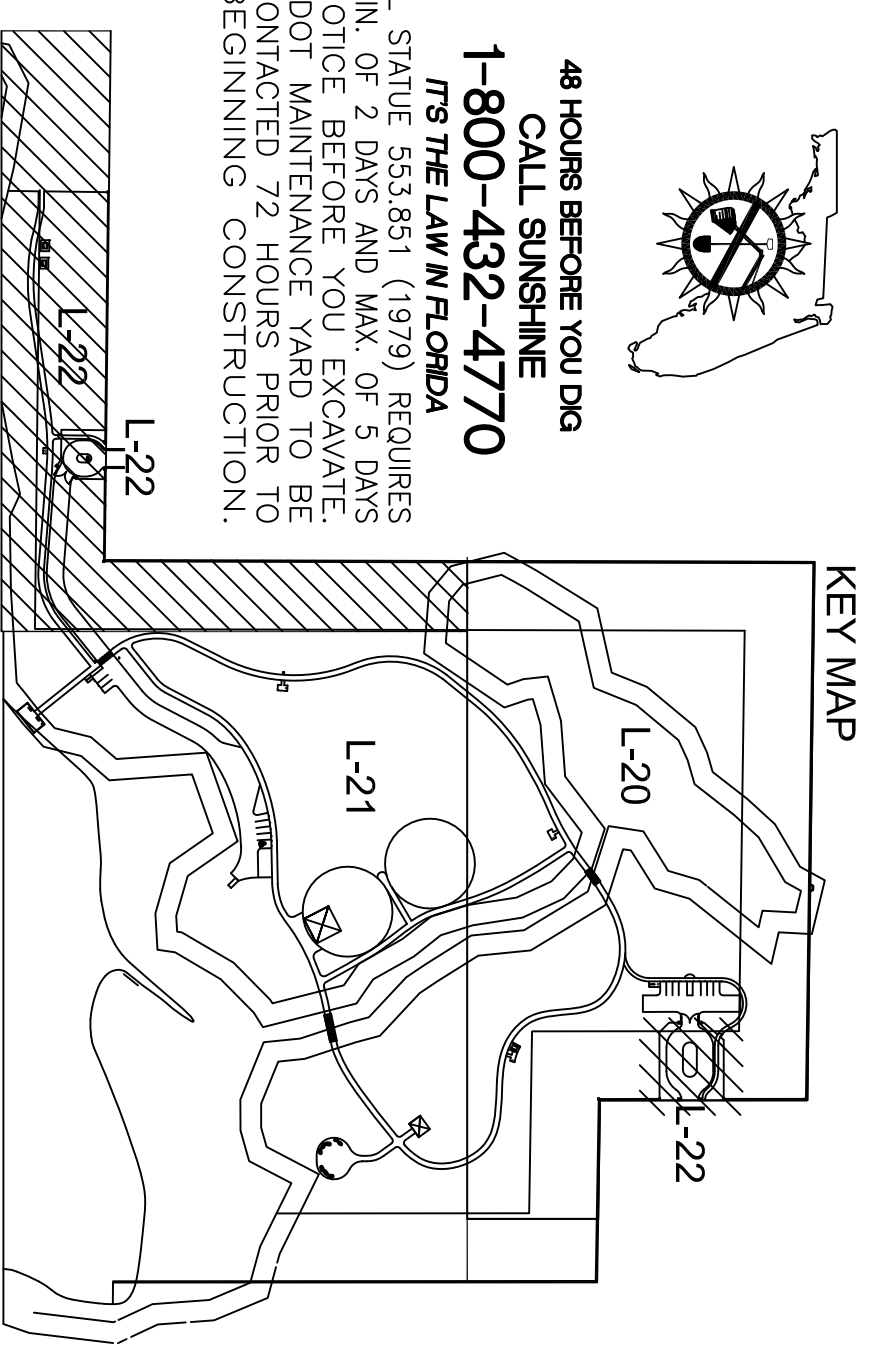
**PLANTING PLAN NOTES**

- AS DEPICTED ON PLAN;
- ① SOD, LAY IN 2 STRIP OUTSIDE OF TRAIL FOR FALL ZONE. SEE PLANT SCHEDULE FOR SOD INFORMATION.

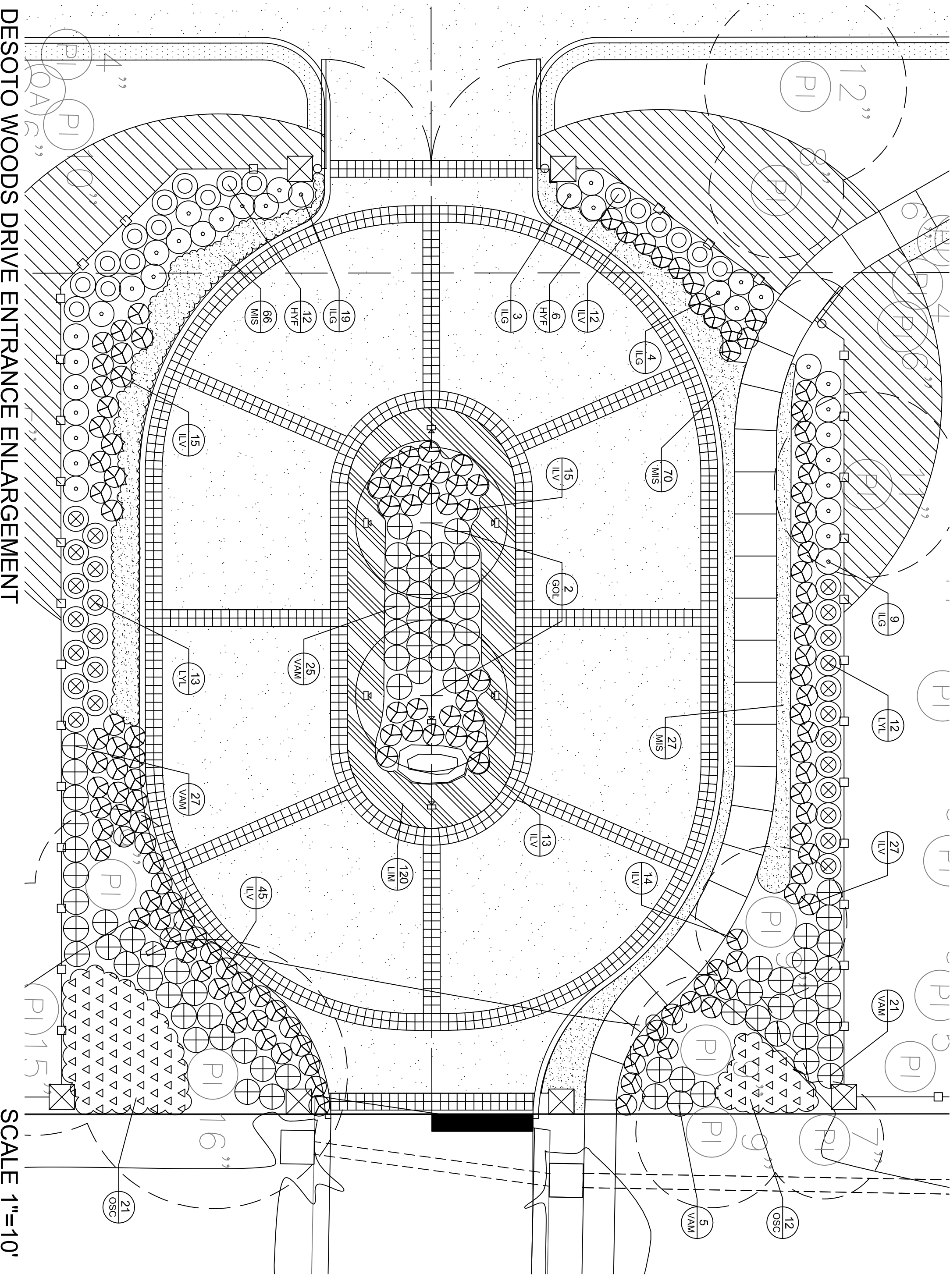
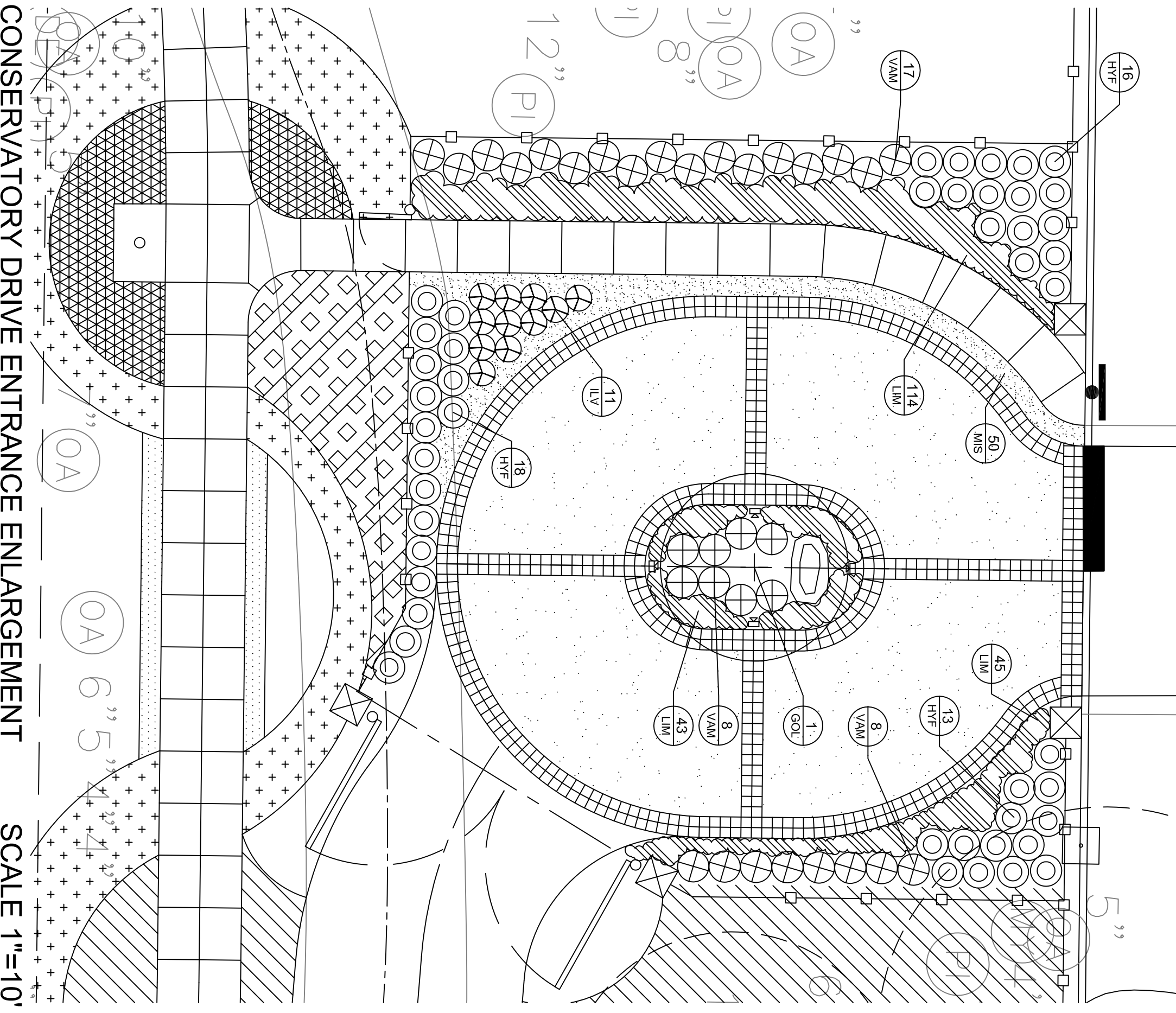


**48 HOURS BEFORE YOU DIG**  
**CALL SUNSHINE**  
**1-800-432-4770**  
**79 THE LAWN FL 0904**

FL. STATUTE DSS 831 (1979) REQUIRES  
 NOTICE BEFORE YOU EXCAVATE  
 FOOT MAINTENANCE YARD PRIOR TO  
 BEGINNING CONSTRUCTION.



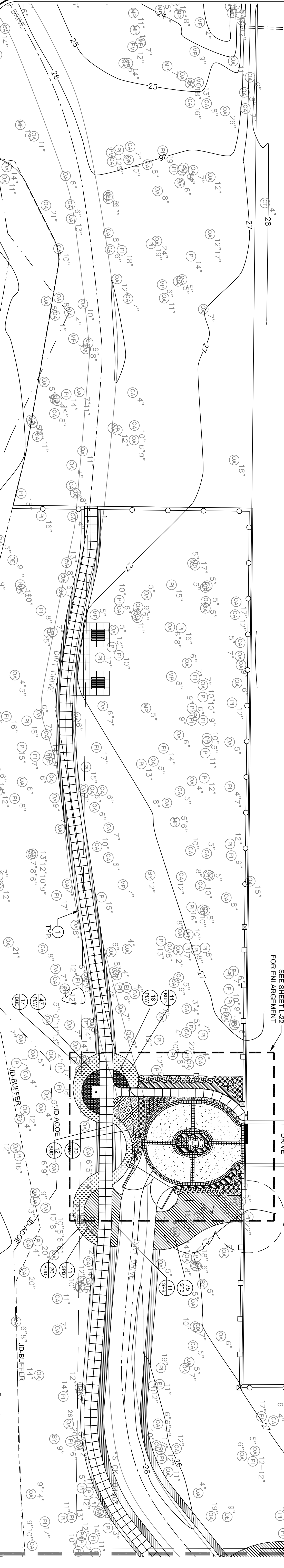
**MATCHLINE SEE SHEET L-21**



SEE SHEET L-22 FOR ENLARGEMENT

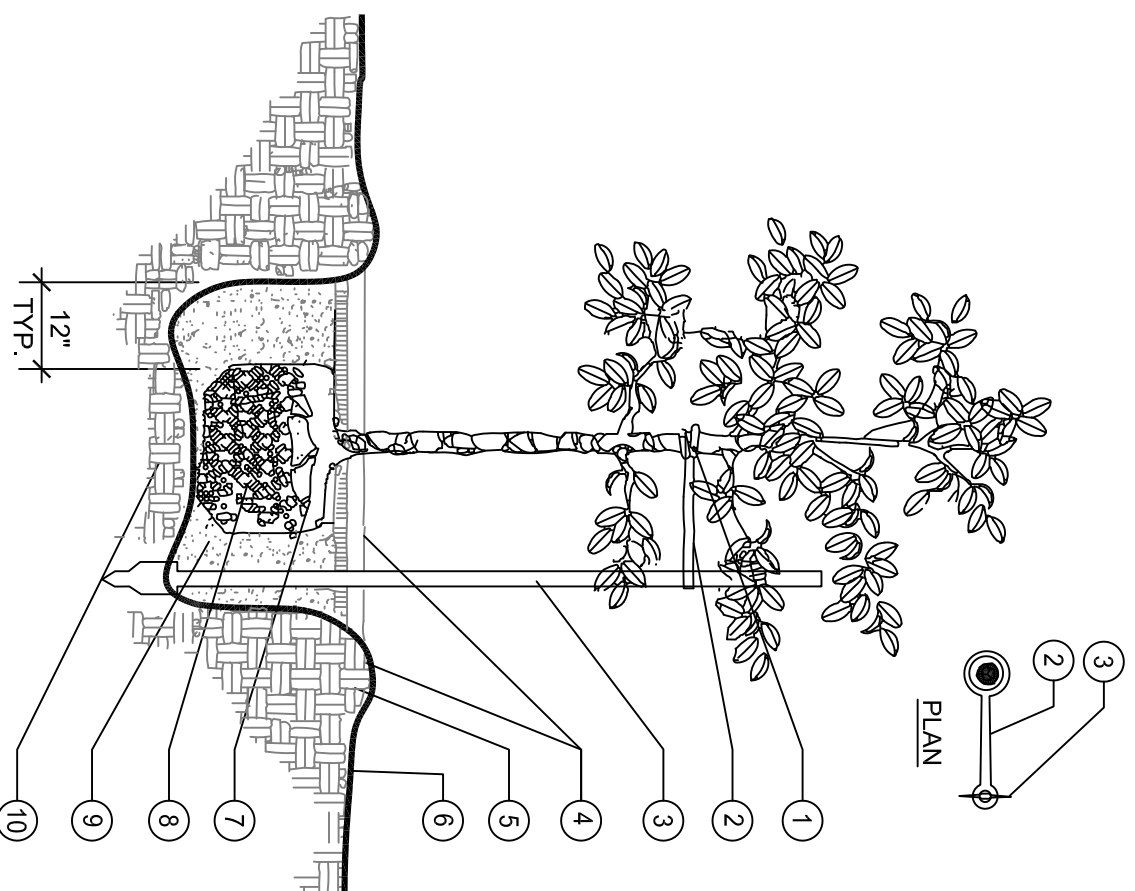
CONSERVATORY DRIVE

SCALE 1"=10'



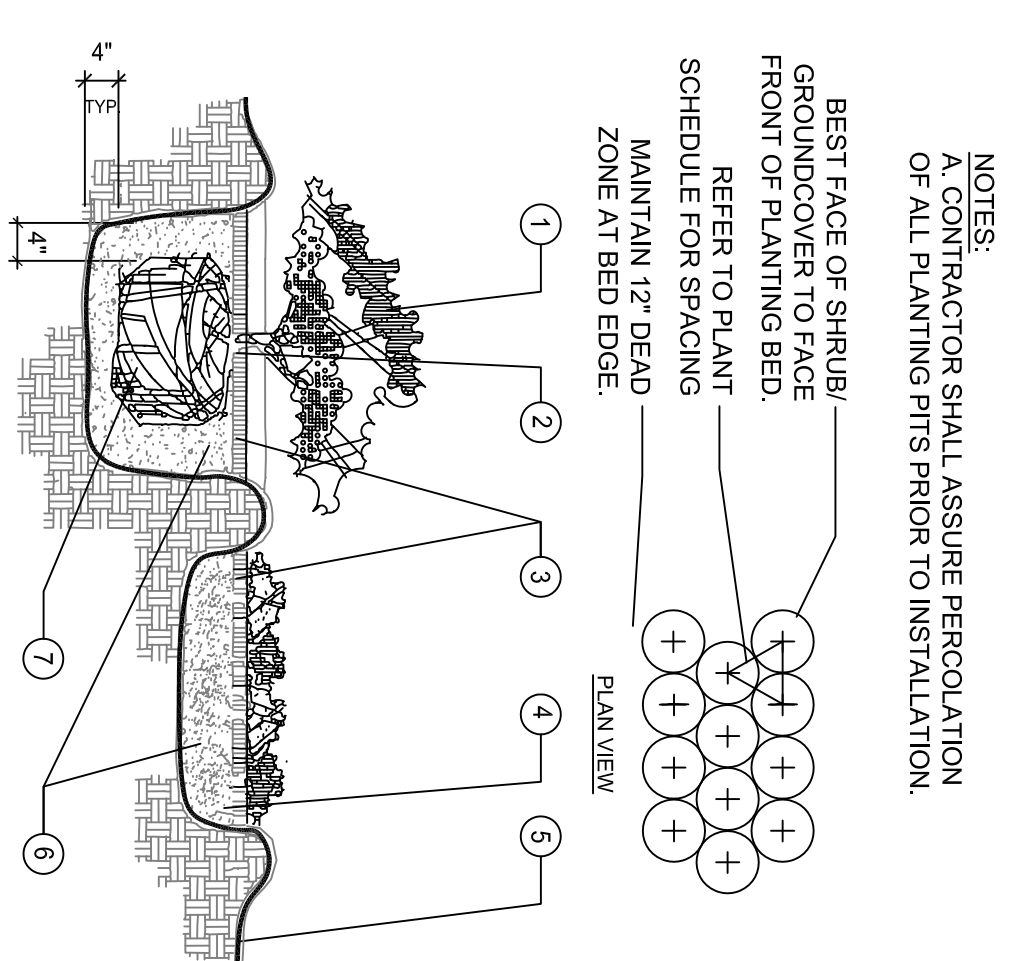
MATCHLINE SEE SHEET L-22

<p>21110 SHEET L-22</p>	<p>CONSERVATORY PARK BRADENTON, FLORIDA</p>		<p>DRAWN: FW</p>	<p><b>IBI GROUP</b></p>	<p><b>IBI GROUP, INC.</b>                  HTTP://WWW.IBIGROUP.COM</p>		<p>REV. DATE DESCRIPTION BY</p>
	<p>PLANTING PLAN - 3</p>		<p>DESIGNED: ST</p>		<p>ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610                  PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p>		
	<p>SCALE</p>		<p>CHECKED: ST</p>		<p>1421 5th STREET, SUITE B                  SARASOTA, FL 34236                  PHONE: (941) 554-1718                  FAX: (941) 554-0231</p>		
	<p>DATE: 09/03/10</p>						



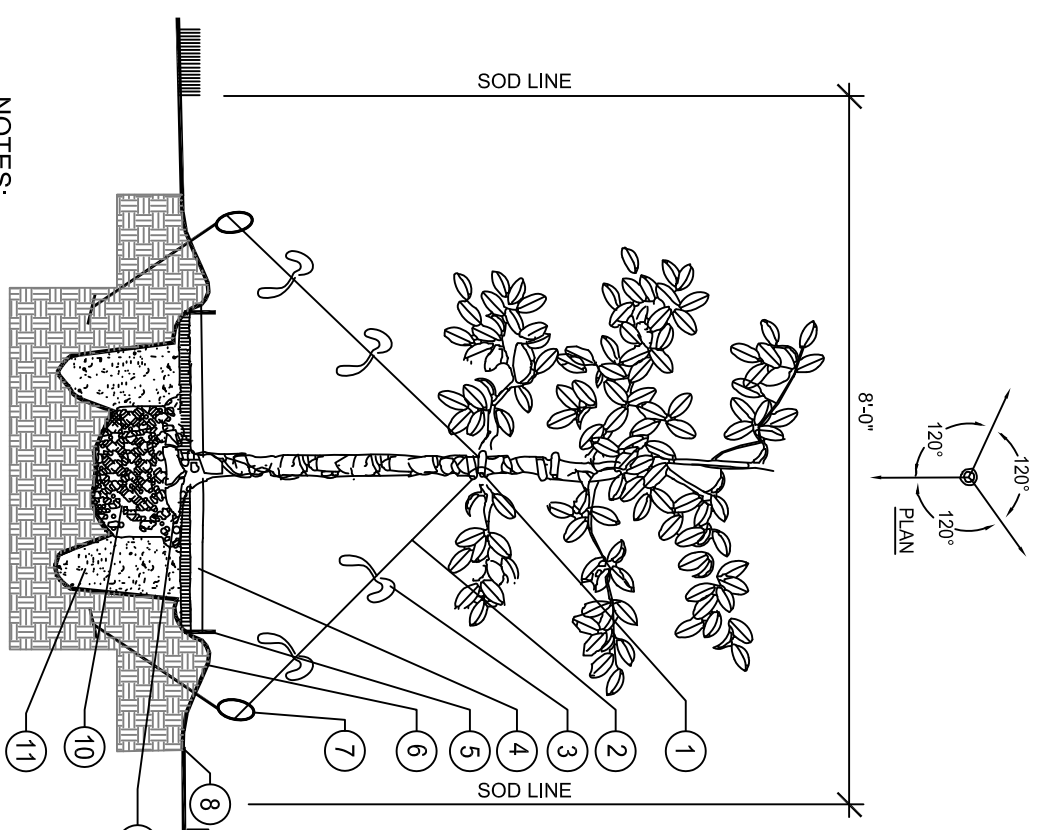
**1 SMALL TREE PLANTING DETAIL**  
NO SCALE (LESS THAN 14') NTS

- NOTES:**  
A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.  
B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.  
C. 'TREE-MATE'-O TO BE USED FOR ALL TREES UP TO 2 1/2" CAL.
- PROTECT TREE TRUNK WITH BLACK RUBBER HOSE.
  - TREE MATE TREE SUPPORT (S.C.S. NURSERY, MASHVILLE, GA.) OR APPROVED EQUAL, INSTALL PER MFG. SPECS TO 1-POST.
  - STEEL STAKE
  - 3" LAYER OF PINE STRAW BARK.
  - FINISHED GRADE
  - TOP OF ROOTBALL MIN. 1' ABOVE FINISHED GRADE
  - B & B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
  - PREPARED PLANTING SOIL AS SPECIFIED.
  - ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING. ROOTBALLS SMALLER THAN 24" IN DIAMETER MAY SIT ON COMPACTED EARTH.



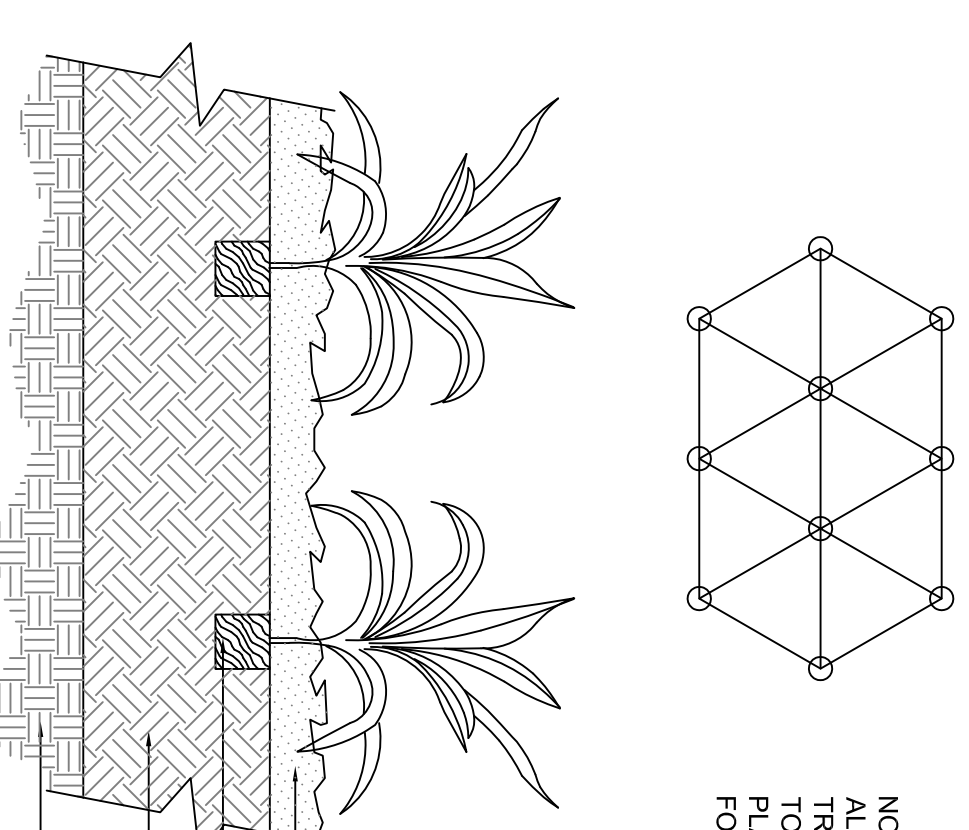
**3 SHRUB/GROUND COVER PLANTING DETAIL**  
NO SCALE NTS

- NOTES:**  
A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.  
B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
- TOP OF SHRUB ROOTBALLS TO BE PLANTED 1" - 2" HIGH WITH SOIL MOUNDING UP TO THE TOP OF ROOTBALL.
  - PRUNE ALL SHRUBS TO ACHIEVE A UNIFORM MASH HEIGHT.
  - MINIMUM OF PINE STRAW BARK MULCH.
  - EXCAVATE ENTIRE BED SPECIFIED FOR GROUND COVER BED.
  - FINISHED GRADE.
  - PREPARED PLANTING SOIL AS SPECIFIED. NOTE: WHEN GROUND COVERS AND SHRUBS USED IN MASSES ENTIRE BED TO BE AMENDED WITH PLANTING SOIL MIX AS SPECIFIED.
  - SCARIFY ROOTBALL SIDES AND BOTTOM.



**2 LARGE TREE PLANTING DETAIL**  
NO SCALE NTS

- NOTES:**  
A. CONTRACTOR SHALL ASSURE PERCOLATION OF ALL PLANTING PITS PRIOR TO INSTALLATION.  
B. FINAL TREE STAKING DETAILS AND PLACEMENT TO BE APPROVED BY OWNER.
- PROTECTED TREE TRUNK WITH BLACK RUBBER HOUSING
  - 1/2" GA. WIRE GUY, EACH WITH A 6-1/2" STEEL TURNBUCKLE. ALL WIRE GALVANIZED STEEL.
  - 8" LONG WHITE SURVEYORS FLAGGING TAPE 2/GUY
  - 3" LAYER OF PINE STRAW BARK
  - BLACK PLASTIC EDGING
  - 8" DEEP X 6" DIA. SAUCER. SOIL BERM TO HOLD WATER.
  - DUCKBILL ANCHOR PER MANUFACTURER'S SPECIFICATIONS
  - FINISHED GRADE - TOP OF ROOTBALL TO BE 1" MIN. ABOVE FINISHED GRADE
  - B&B OR CONTAINERIZED (SEE SPECIFICATIONS FOR ROOT BALL REQUIREMENTS).
  - ROOTBALLS GREATER THAN 24" DIAMETER SHALL BE PLACED ON MOUND OF UNDISTURBED SOIL TO PREVENT SETTLING.
  - PREPARED PLANTING SOIL AS SPECIFIED.



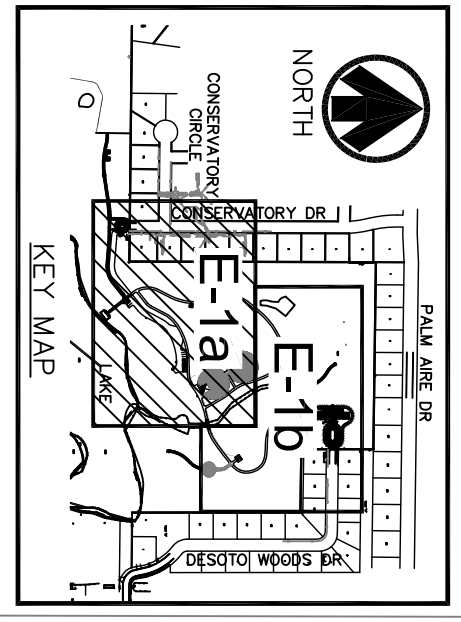
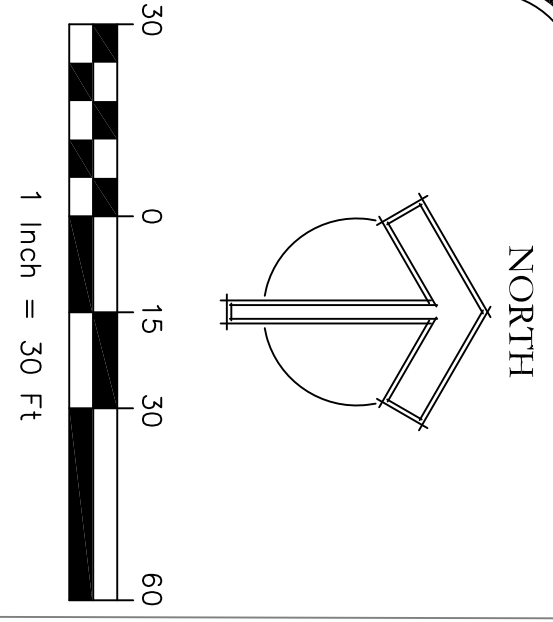
**4 FERN DETAIL**  
NO SCALE NTS

- NOTE:**  
ALL FERNS SHALL BE PLANTED USING MULCHING PLANTING SOIL. REFER TO PLANTING SCHEDULE FOR ON-CENTER PLANTING DIMENSION. REFER TO PLANS FOR FINISH GRADE.

PLANT SCHEDULE SYMBOL	QTY	SCIENTIFIC NAME	COMMON NAME	CAL.	HGT.	SPD.	CONT.	SFACING	NOTES
TREES									
GOL	3	Gordonia lasianthus	Loblolly Bay	2"	8'	6'		as shown	Single trunk
SHRUBS									
BUD	448	Buddleja davidii	Butterfly Bush	-	24"	24"	3 Gal.	4 O.C.	Florida Friendly, Attracts butterflies & birds
ECR	440	Echinops ritro	Small Globe Thistle	-	24"	24"	3 Gal.	2 O.C.	Florida Friendly
HAP	311	Hamelia patens	Firebush	-	24"	24"	3 Gal.	4 O.C.	Florida Friendly, Attracts butterflies & birds
HYF	65	Hypocun fasciculatum	St. Johns Wort	-	24"	24"	3 Gal.	3 O.C.	Florida Friendly
ILG	35	Ilex glabra	lex vomitoria	-	24"	24"	3 Gal.	3 O.C.	Florida Friendly
ILV	190	Lyonia lucida	Fettersbush	-	24"	24"	3 Gal.	3 O.C.	Florida Friendly
SPB	3006	Spartina bakeri	Sand Cordgrass	-	24"	24"	3 Gal.	4 O.C.	Florida Friendly
VAM	112	Vaccinium myrsinites	Shiny Blueberry	-	24"	24"	3 Gal.	3 O.C.	Florida Friendly, Attracts butterflies & birds
PERENNIALS									
OSC	33	Osmunda cinnamomea	Cinnamon fern	-	18"	18"	3 Gal.	3 O.C.	Florida Friendly
PLP	396	Pentas lanceolata	Graffiti Pink	-	12"	18"	1 Gal.	2 O.C.	Florida Friendly
PLR	424	Pentas lanceolata	Graffiti Red	-	12"	18"	1 Gal.	2 O.C.	Florida Friendly
PLW	206	Pentas lanceolata	Graffiti White	-	12"	18"	1 Gal.	2 O.C.	Florida Friendly
GROUND COVERS									
LIM	146	Leiantha michauxii	Gopher Apple	-	12"	18"	1 Gal.	3 O.C.	Florida Friendly
MIS	213	Mimosa strigillosa	Sunshine Mimosa	-	12"	18"	1 Gal.	3 O.C.	Florida Friendly
MULCH	12,000 sf	Stenotaphrum "Palmetto"	Palmetto St. Augustine						

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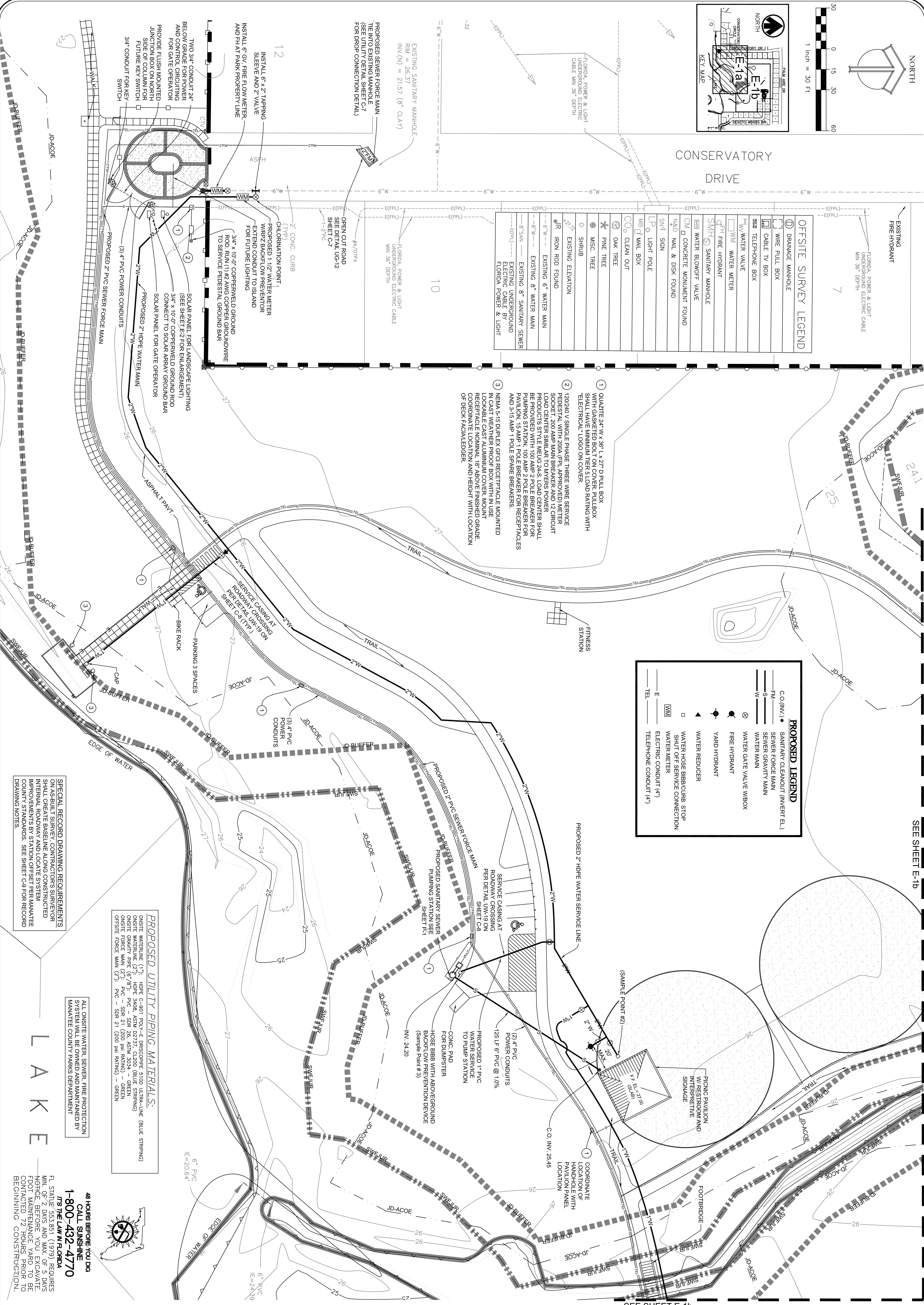


CONSERVATORY DRIVE

①	DRAINAGE MANHOLE
②	WIRE PULL BOX
③	CABLE TV BOX
④	TELEPHONE BOX
⑤	WATER VALVE
⑥	WATER METER
⑦	FIRE HYDRANT
⑧	WATER BLOWOFF VALVE
⑨	CONCRETE MONUMENT FOUND
⑩	N&D NAIL & DISK FOUND
⑪	S&D SIGN
⑫	LIGHT POLE
⑬	M&L MAIL BOX
⑭	CLEAN OUT
⑮	OAK TREE
⑯	PINE TREE
⑰	MISC. TREE
⑱	SHRUB
⑲	EXISTING ELEVATION
⑳	IRON ROD FOUND
㉑	EXISTING 6" WATER MAIN
㉒	EXISTING 8" WATER MAIN
㉓	EXISTING 8" SANITARY SEWER
㉔	EXISTING UNDERGROUND ELECTRIC CABLE BY FLORIDA POWER & LIGHT

○ (INV.)	SANITARY CLEANOUT (INVERT EL.)
— FM	SEWER FORCE MAIN
— S	SEWER GRAVITY MAIN
— W	WATER MAIN
⊗	WATER GATE VALVE W/BOX
⬮	FIRE HYDRANT
⬮	YARD HYDRANT
⬮	WATER REDUCER
⬮	WATER HOSE BIB/CURB STOP
⬮	SHUT OFF-SERVICE CONNECTION
⬮	WATER METER
⬮	ELECTRIC CONDUIT (4")
⬮	TEL

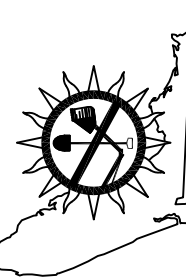
- 1 QUARTZITE 24" W x 36" L x 27" D PULL BOX WITH GASKETED BOLT ON COVER. PULLBOX SHALL HAVE MINIMUM TIER 5 LOAD RATING WITH "ELECTRICAL" LOGO ON COVER.
- 2 120/240 V SINGLE PHASE THREE WIRE SERVICE PEDestal WITH 200A (FPL APPROVED) METER SOCKET 200 AMP MAIN BREAKER AND 12 CIRCUIT LOAD CENTER SIMILAR TO METERS POWER PROVIDED. ALL SERVICE EQUIPMENT SHALL BE PROVIDED WITH 100 AMP 2 POLE BREAKER FOR PAVILION, 15 AMP 1 POLE BREAKER FOR RECEPTACLES AND 3-15 AMP 1 POLE SPARE BREAKERS.
- 3 NEMA 5-15 DUPLEX GFCI RECEPTACLE MOUNTED INCAST WEATHER PROOF BOX WITH IN USE LOCKABLE CAST ALUMINUM COVER, MOUNT RECEPTACLE NOMINALLY 48" ABOVE FINISHED GRADE, 18" FROM WALL AND HEIGHT WITH LOCATION OF DECK FACIA/LEDGER.



**PROPOSED UTILITY PIPING MATERIALS:**  
 ONSITE WATERLINE (1") HOPE C-801 POLY-E DISCOPEPE 5100 ULTRA-LINE (BLUE STRIPE)  
 ONSITE WATERLINE (2") HOPE 3408 ASTM D2737, C1200 (BLUE STRIPE)  
 ONSITE GRAVITY PIPE (6"/8") PVC - SDR 26, ASTM 3024 - GREEN  
 ONSITE FORCE MAIN (2") PVC - SDR 21 (200 psi RATING) - GREEN  
 ONSITE FORCE MAIN (2") PVC - SDR 21 (200 psi RATING) - GREEN

ALL ONSITE WATER, SEWER, FIRE PROTECTION SYSTEM WILL BE OWNED AND MAINTAINED BY MANATEE COUNTY PARKS DEPARTMENT

**SPECIAL RECORD DRAWING REQUIREMENTS**  
 ON AS-BUILT SURVEY, CONTRACTOR'S SURVEYOR SHALL CREATE BASELINE AND LOCATE SYSTEM IMPROVEMENTS BY STATION OFFSET PER MANATEE COUNTY STANDARDS. SEE SHEET C-8 FOR RECORD DRAWING NOTES.



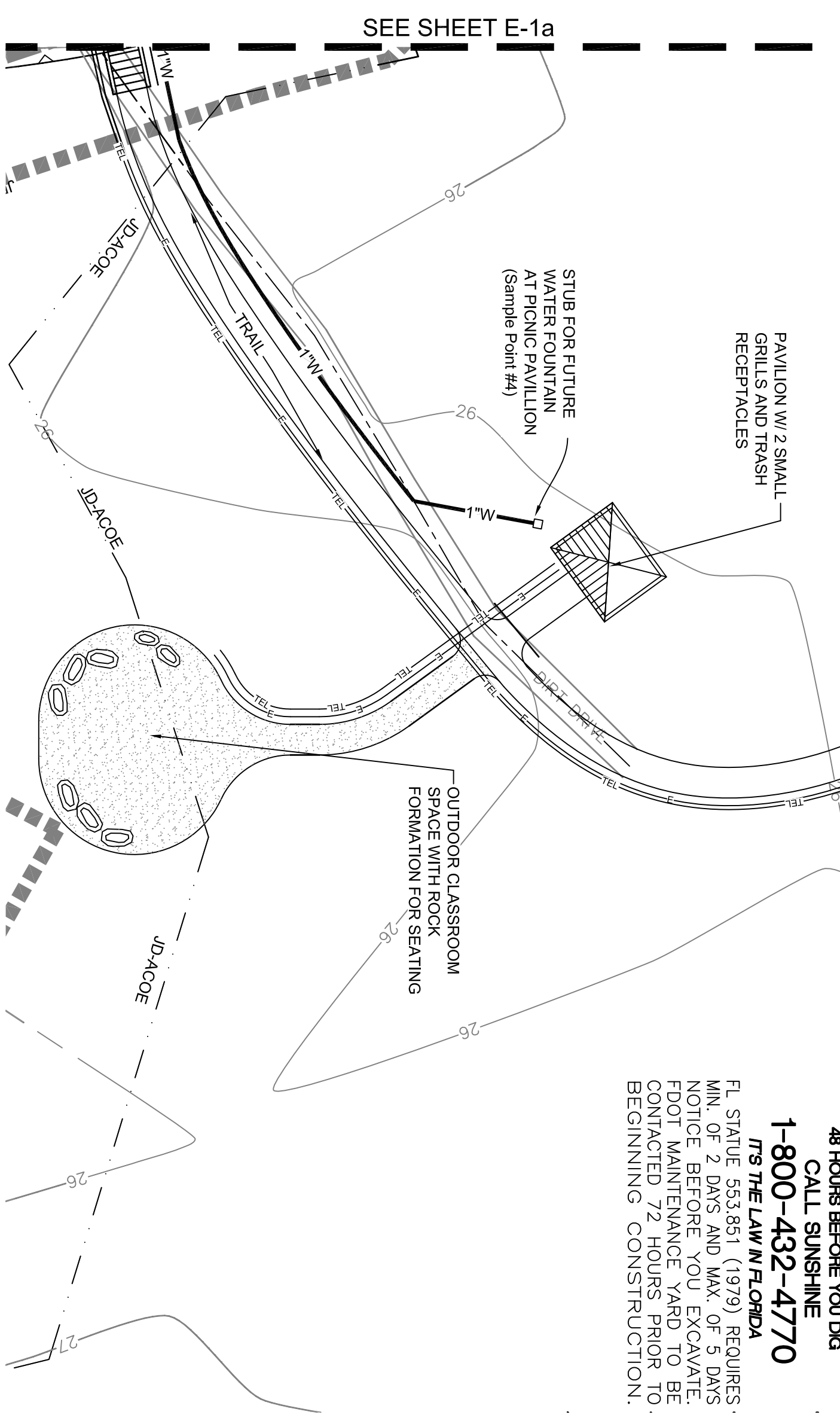
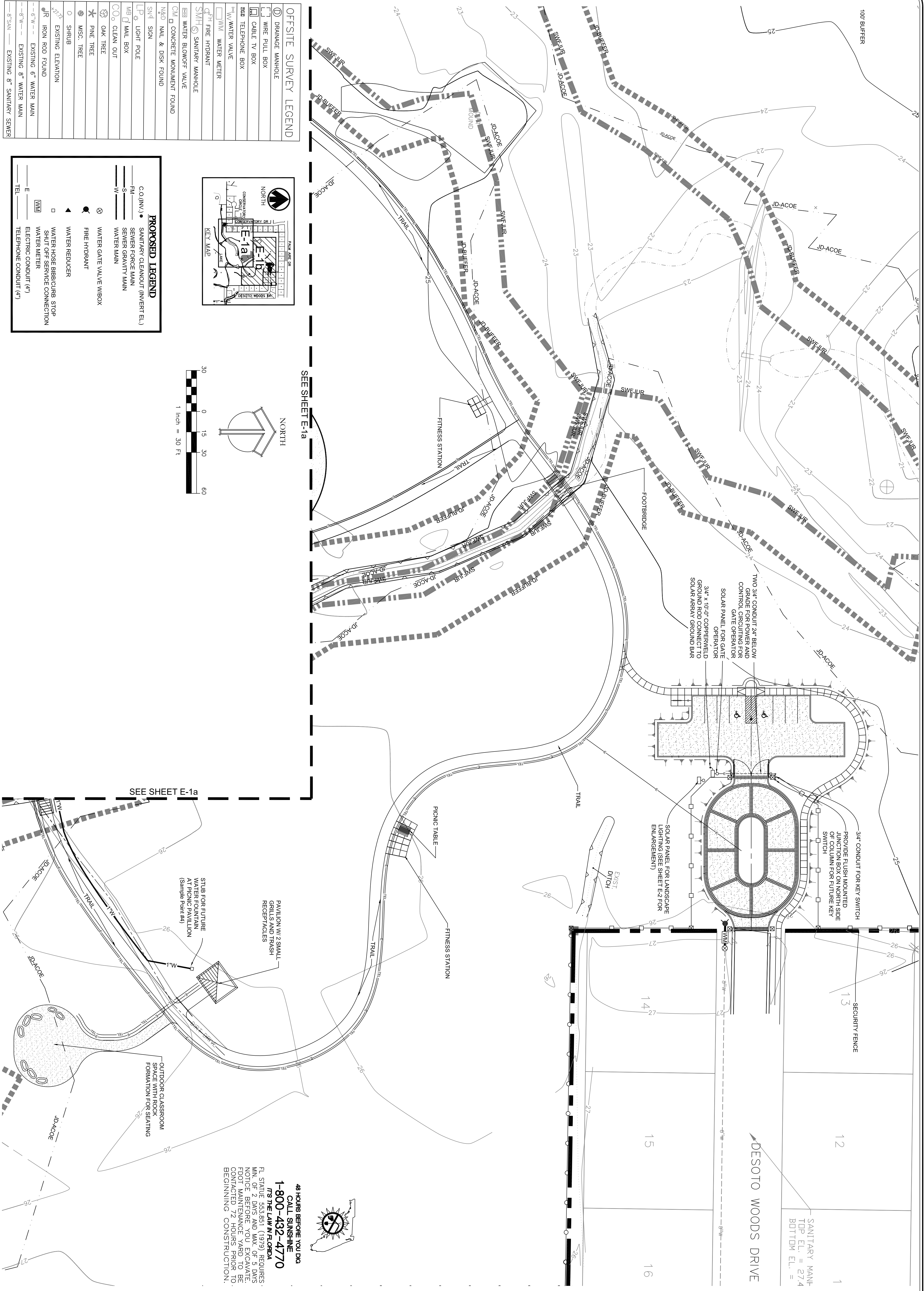
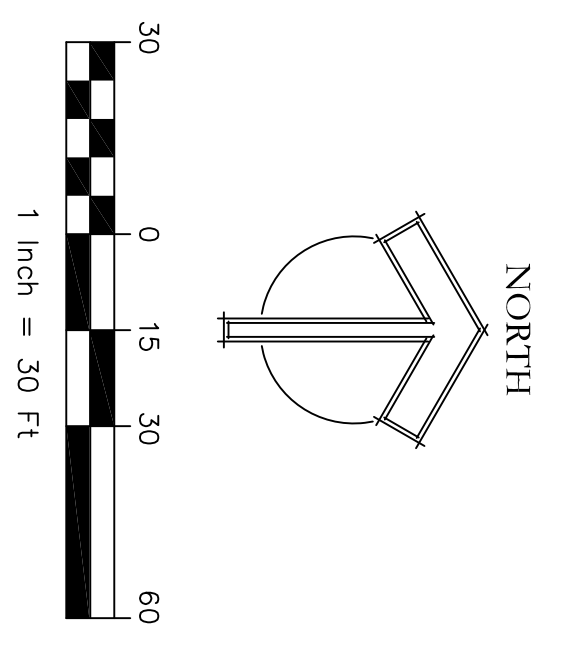
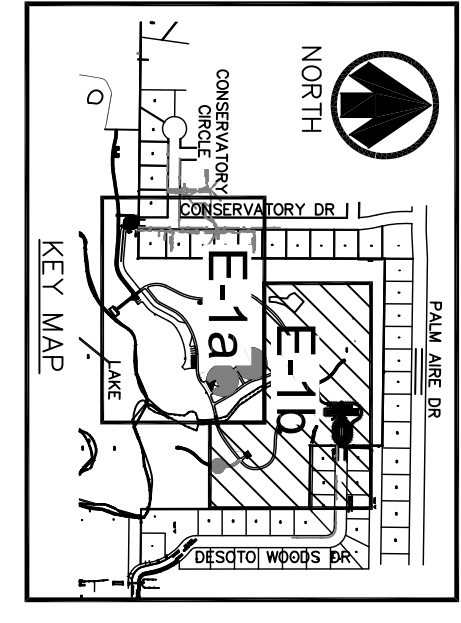
48 HOURS BEFORE YOU DG  
 CALL SUNSHINE  
 1-800-432-4770

FL STATUTE 553.851 (1979) REQUIRES MIN. OF 2 DMS AND MAX. OF 5 DMS NOTICE BEFORE YOU EXCAVATE. FOOT MAINTENANCE YARD TO BE CONTACTED 72 HOURS PRIOR TO BEGINNING CONSTRUCTION.

<p>CONSERVATORY PARK BRADENTON, FLORIDA</p> <p>ELECTRICAL PLAN - 1</p>		<p>IBI GROUP</p> <p>IBI GROUP, INC.                  HTTP://WWW.IBIGROUP.COM                  ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB610                  PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS</p> <p>1421 5th STREET, SUITE B                  SARASOTA, FL 34236                  PHONE: (941) 554-1714                  FAX: (941) 554-0231</p>	<table border="1"> <thead> <tr> <th>REV.</th> <th>DATE</th> <th>DESCRIPTION</th> <th>BY</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	REV.	DATE	DESCRIPTION	BY				
REV.	DATE	DESCRIPTION	BY								
<p>SCALE 1" = 30'</p> <p>21110 SHEET E-1a</p>	<p>DRAWN: CC                  DESIGNED: RB                  CHECKED: RB                  DATE: 4-20-2012</p>	<p>DATE: 4-20-2012</p>	<p>DATE: 4-20-2012</p>								

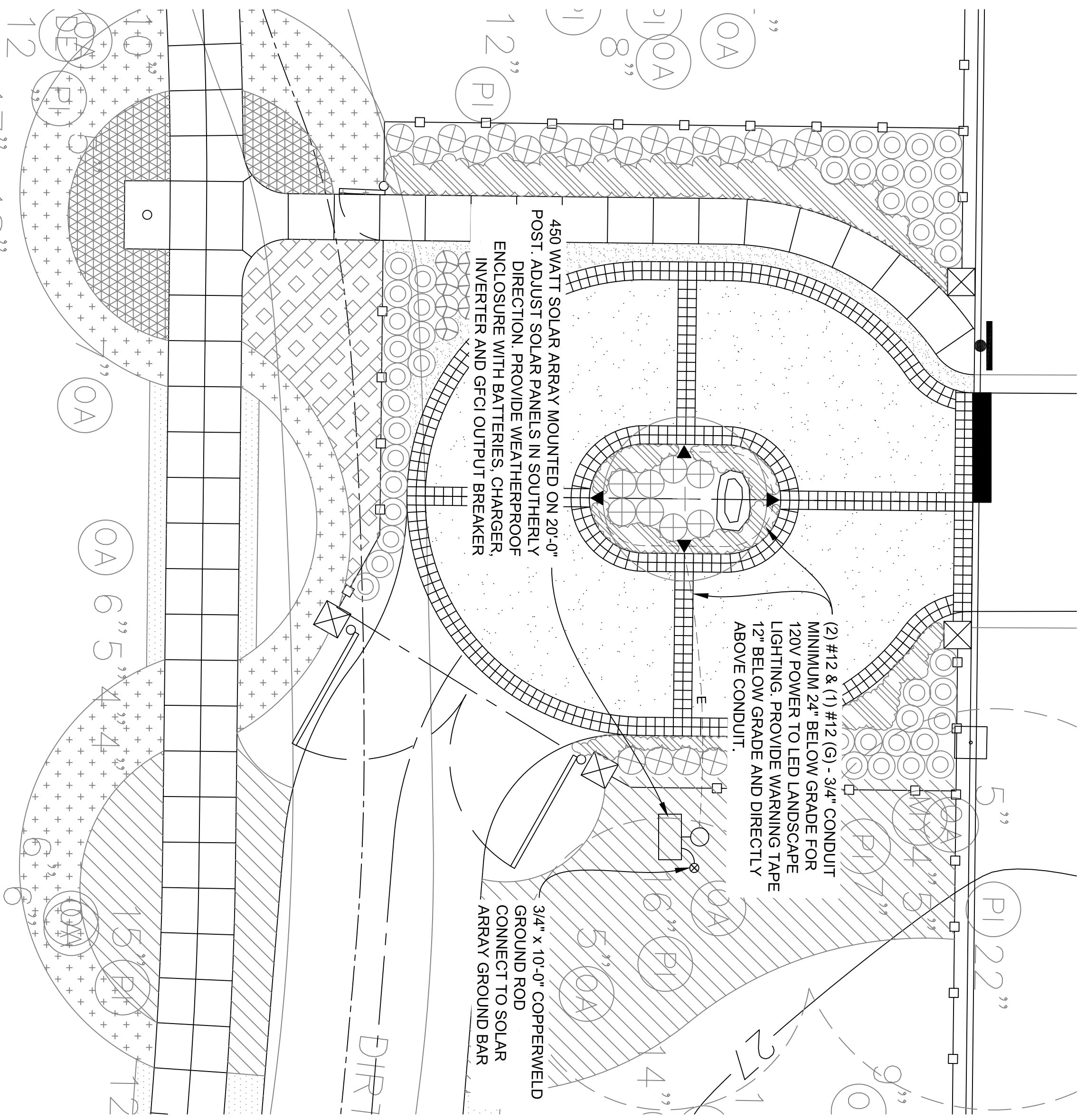
OFFSITE SURVEY LEGEND	
	○ DRAINAGE MANHOLE
	□ WIRE PULL BOX
	□ CABLE TV BOX
	□ TELEPHONE BOX
	□ WATER VALVE
	□ WATER METER
	□ FIRE HYDRANT
	□ SANITARY MANHOLE
	□ WATER BLOWOFF VALVE
	□ CONCRETE MONUMENT FOUND
	□ NAIL & DISK FOUND
	□ SIGN
	□ LIGHT POLE
	□ MAIL BOX
	□ CLEAN OUT
	○ OAK TREE
	○ PINE TREE
	○ MISC. TREE
	○ SHRUB
	— EXISTING ELEVATION
	— IRON ROD FOUND
	— EXISTING 6" WATER MAIN
	— EXISTING 8" WATER MAIN
	— EXISTING 8" SANITARY SEWER

PROPOSED LEGEND	
	● SANITARY CLEANOUT (INVERT EL.)
	— SEWER FORCE MAIN
	— SEWER GRAVITY MAIN
	— WATER MAIN
	⊗ WATER GATE VALVE W/BOX
	⊙ FIRE HYDRANT
	⊙ WATER REDUCER
	□ WATER HOSE BIB/CURB STOP
	□ SHUT OFF SERVICE CONNECTION
	□ WATER METER
	— ELECTRIC CONDUIT (4")
	— TELEPHONE CONDUIT (4")



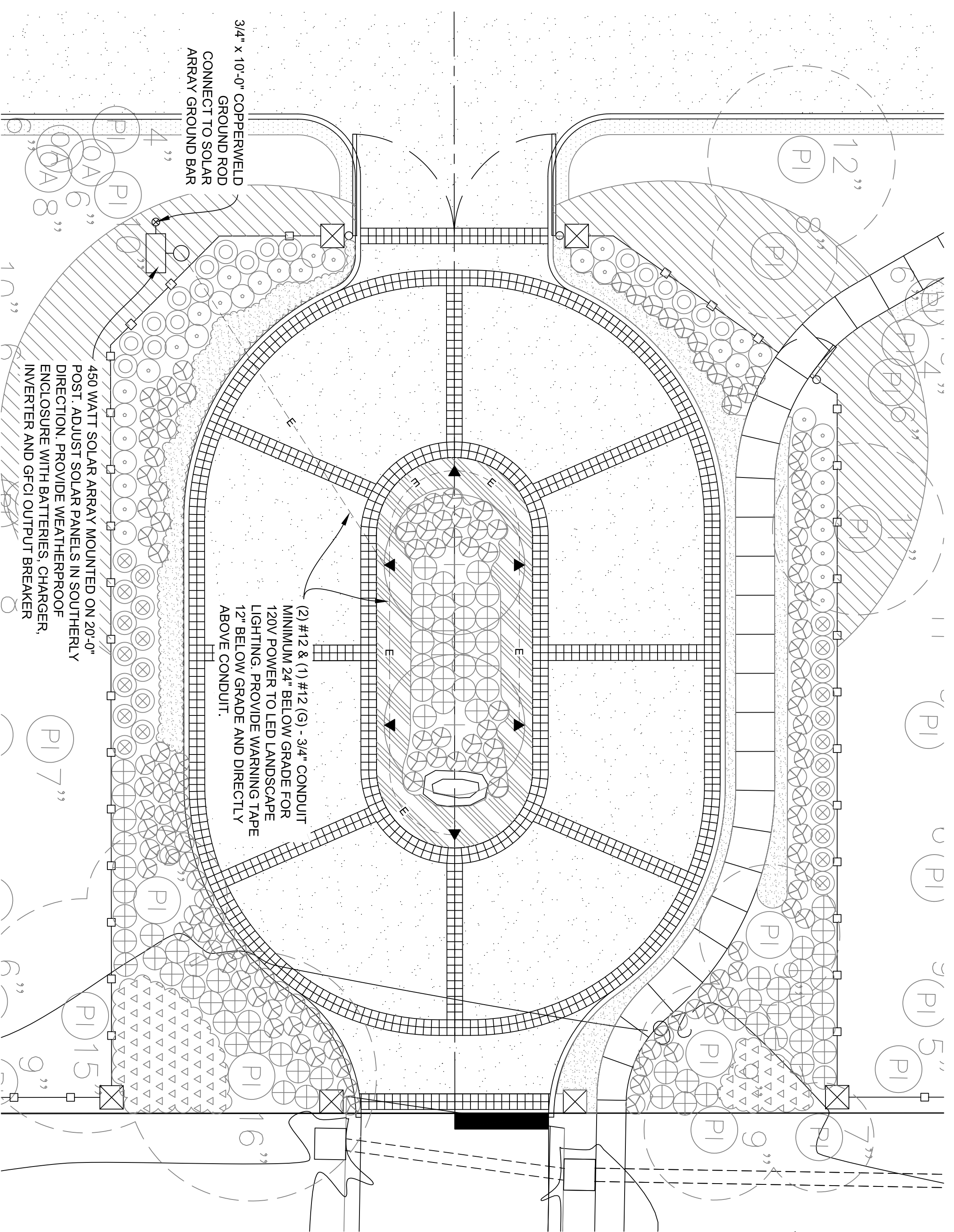
**48 HOURS BEFORE YOU DIG  
CALL SUNSHINE  
1-800-432-4770**  
IT'S THE LAW IN FLORIDA  
FL STATUTE 553.851 (1979) REQUIRES  
MIN. OF 2 DAYS AND MAX. OF 5 DAYS  
NOTICE BEFORE YOU EXCAVATE.  
FDOT MAINTENANCE YARD TO BE  
CONTACTED 72 HOURS PRIOR TO  
BEGINNING CONSTRUCTION.

<b>CONSERVATORY PARK BRADENTON, FLORIDA</b>  <b>ELECTRICAL PLAN - 2</b>		DRAWN: CC DESIGNED: RB CHECKED: RB DATE: 4-20-2012	<b>IBI GROUP</b> ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB5610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 554-1718 FAX: (941) 554-0231	REV. DATE DESCRIPTION BY
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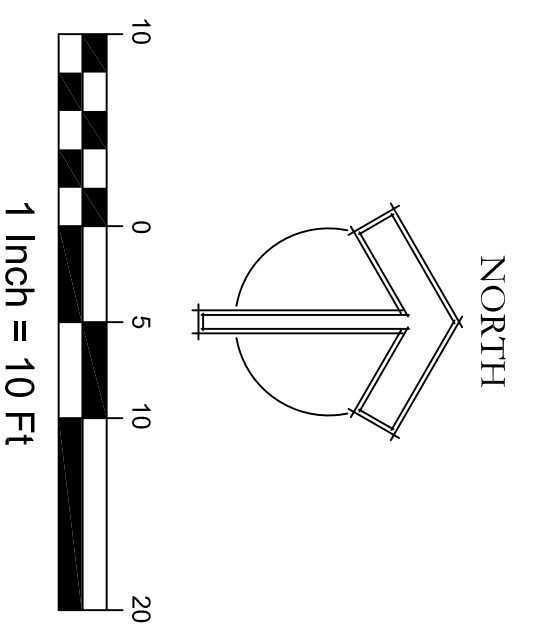
**1** CONSERVATORY DRIVE ENTRANCE ENLARGEMENT - LIGHTING  
SEE SHEET E-1a FOR POWER REQUIREMENTS

SCALE: 1"=10'

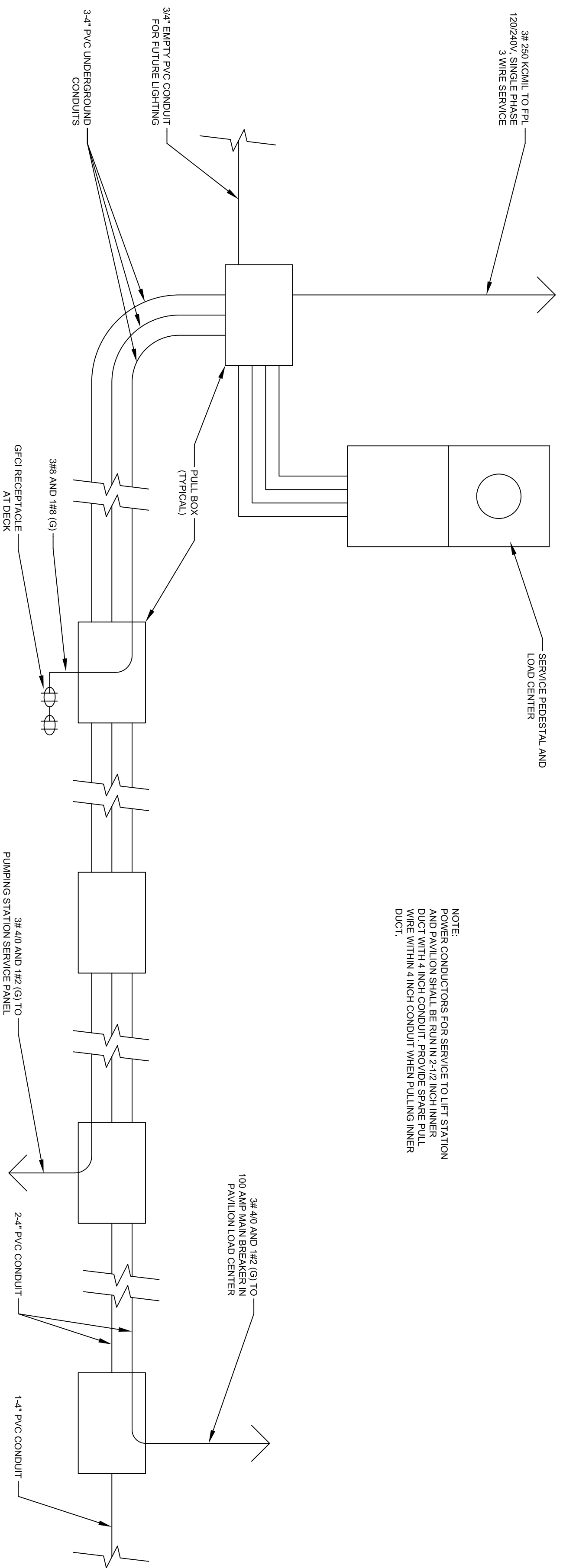


**2** DESOTO WOODS DRIVE ENTRANCE ENLARGEMENT  
SEE SHEET E-1b FOR POWER REQUIREMENTS

SCALE: 1"=10'

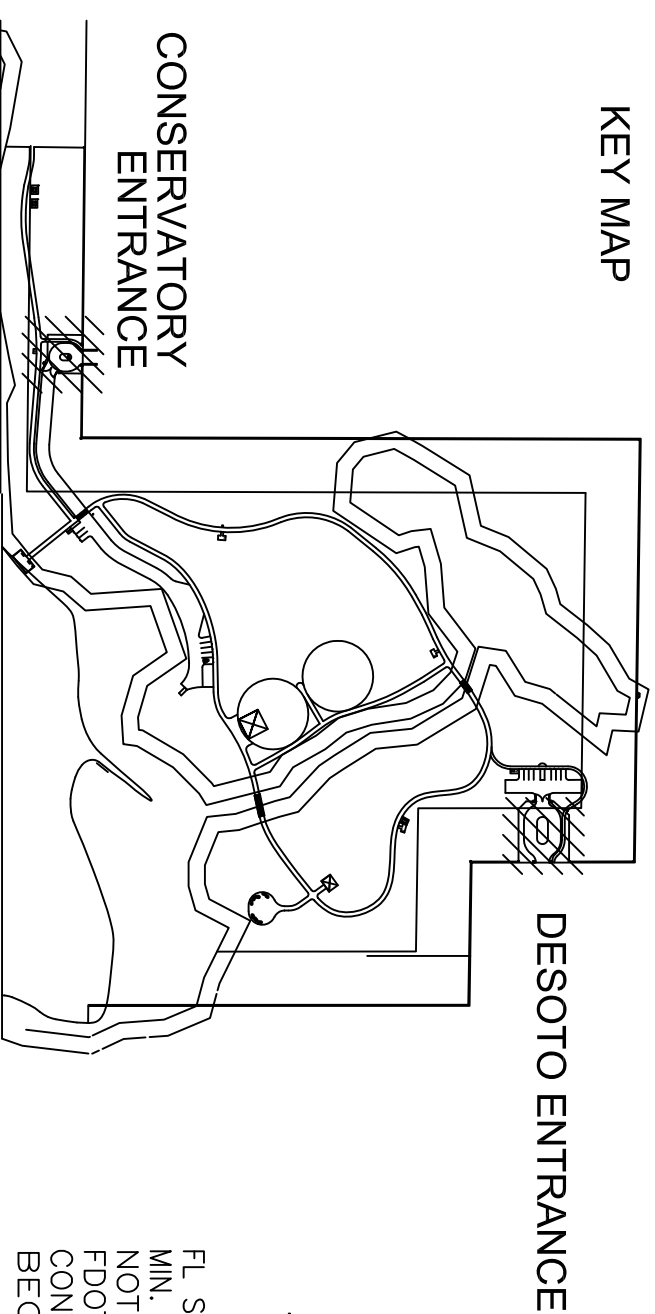


NOTE:  
POWER CONDUCTORS FOR SERVICE TO LIFT STATION AND PAULION SHALL BE RUN IN 2-1/2" INCH INNER DIA. WITH 4" INCH CONDUIT. PROVIDE SPARE PULL DUCT WITHIN 4" INCH CONDUIT WHEN TULAND INNER DIA.



**3** ELECTRICAL SCHEMATIC

SCALE: N.T.S.



**48 HOURS BEFORE YOU DIG**  
CALL SUNSHINE  
1-800-432-4770  
IT'S THE LAW IN FLORIDA  
FL STATUTE 553.351 (1979) REQUIRES  
MIN. OF 2 DAYS AND MAX. OF 5 DAYS  
NOTICE BEFORE YOU EXCAVATE.  
FOOT MAINTENANCE YARD TO BE  
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DRAWN: CC			<b>IBI GROUP, INC.</b> HTTP://WWW.IBIGROUP.COM ENGINEERS CERT OF AUTH #2966 SURVEYORS AC#LB610 PLANNERS LANDSCAPE ARCHITECTS ENVIRONMENTAL CONSULTANTS 1421 5th STREET, SUITE B SARASOTA, FL 34236 PHONE: (941) 954-1718 FAX: (941) 954-0231		REV.	DATE	DESCRIPTION	BY
DESIGNED: RB								
CHECKED: RB								
DATE: 4-20-2012								
CONSERVATORY PARK BRADENTON, FLORIDA ELECTRICAL PLAN ENLARGEMENTS & DETAILS			SCALE 1" = 30'		SHEET 21110		E-2	