I-75 REST AREAS PROJECT DEVELOPMENT AND ENVIRONMENT (PD&E) STUDY

SARASOTA AND CHARLOTTE COUNTIES

DRAFT STORMWATER MANAGEMENT FACILITY REPORT

FINANCIAL PROJECT NO.: 436602-1-22-01

MARCH 2017

FDOT

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FDOT

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1 Executive Summary

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) study to identify sites for the placement of one northbound (NB) and one southbound (SB) rest area facility along I-75. In April of 2015, the FDOT closed the Jones Loop Rest Area at exit 161 in Charlotte County. This facility was an "off-system" rest area that serviced vehicles in both directions of I-75. The proposed rest areas will serve as a replacement for this recently closed rest area thus reducing the distances between rest area facilities. The study limits extend from the Charlotte/Lee County line north to the interchange of SR 681 and I-75. The total study corridor length is approximately 51 miles (22 miles in Charlotte County and 29 miles in Sarasota County). A preliminary investigation was conducted to determine potential rest area sites. The results of this preliminary investigation are detailed in the site selection report that was prepared in March of 2016.

This project will identify two sites for new rest areas along I-75, one each in the northbound and southbound direction. After the preliminary analysis, five rest area sites were identified for farther evaluation. Three of these sites are located off of NB I-75 (NB-2, NB-2B & NB-WIM) and the other two sites are located off of SB I-75 (SB-2 & SB-WIM).

Treatment and attenuation volumes for each rest area alternative have been calculated and one pond location as well as one floodplain compensation site have been identified for each alternative where appropriate. SWFWMD will require treatment and attenuation for all proposed impervious area at the selected site. It was assumed that 1 inch over the total site area would be required for treatment sizing at all locations were wet ponds are proposed. 0.5 inches of treatment will be provided for treatment sizing where dry retention is proposed. In addition, attenuation will be based on a volumetric comparison between pre/post runoff for the 25-yr/24-hr frequency storm event. A critical duration analysis was not considered to be necessary based on the location of the proposed rest areas and since a critical duration analysis was not performed for the adjacent I-75 widening project. Floodplain impacts and compensation were calculated utilizing "cup for cup" methodology.

This analysis assumed that the rest area sites would be implemented as a pair that had to be within relatively close proximity of each other. As such, the WIM sites were included as one pair with the SB-2 site included with both the NB-2 site and the NB-2B site to form an additional two pairs. Based solely on stormwater management requirements, the WIM sites are the best alternative for the following reasons.

- All stormwater management can be accomplished within the proposed footprint requiring no additional R/W.
- The additional R/W required for pond sites and floodplain compensation is the smallest of any of the northbound/southbound alternatives
- Dry retention can be used for treatment based on the existing permitted systems, which will reduce long-term maintenance and provide better water quality than traditional wet detention.

2 Introduction

The Florida Department of Transportation (FDOT) is conducting a Project Development and Environment (PD&E) study to identify sites for the placement of one northbound (NB) and one southbound (SB) rest area facility along I-75. In April of 2015, the FDOT closed the Jones Loop Rest Area at exit 161 in Charlotte County. This facility was an "off-system" rest area that serviced vehicles in both directions of I-75. The proposed rest area will serve as a replacement for this recently closed rest area thus reducing the distances between rest area facilities.

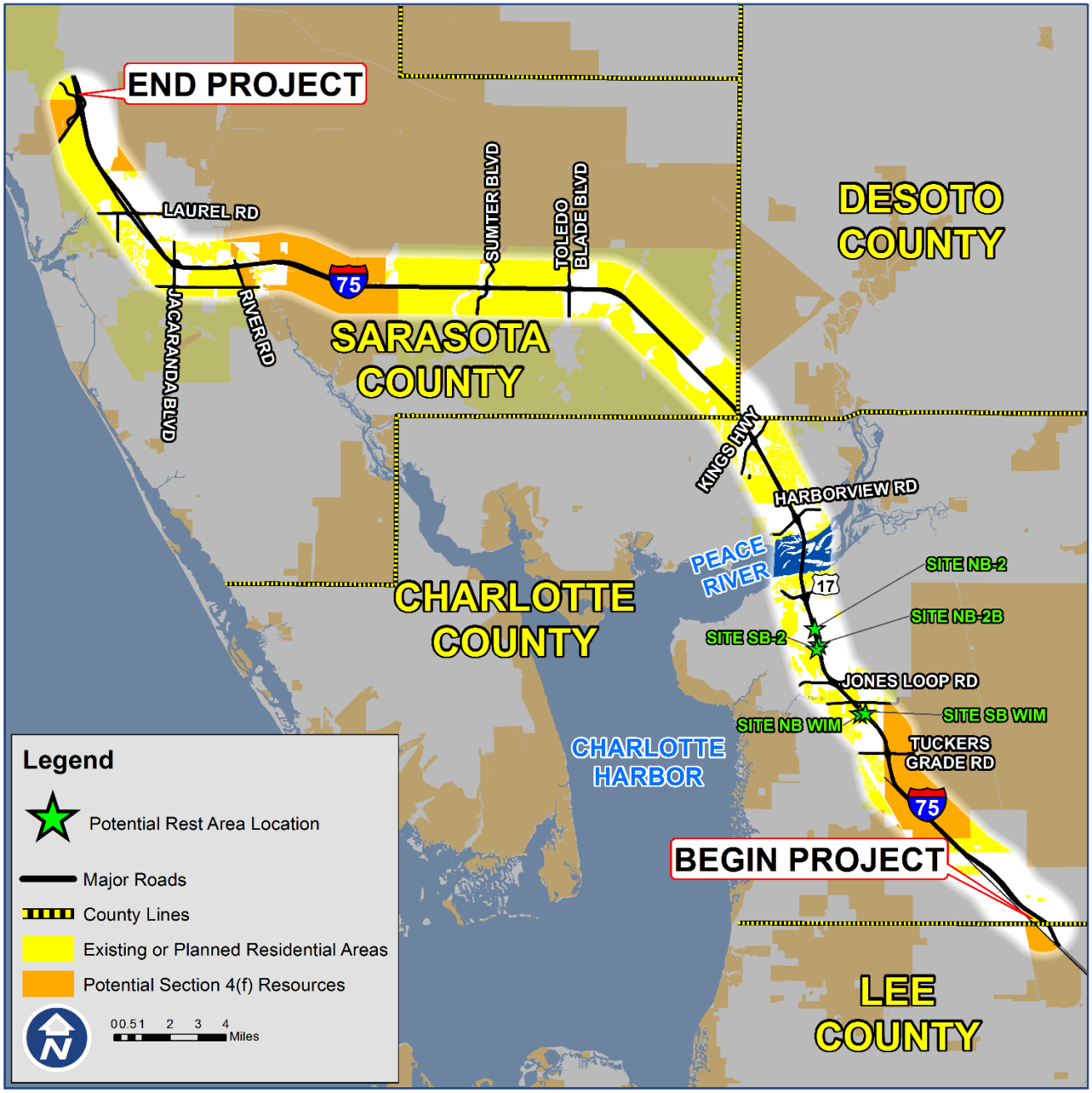
2.1 Report Purpose

This Stormwater Management Facility Report (SMFR) was prepared as part of the I-75 Rest Areas PD&E Study. A summary of the drainage requirements have been compiled as part of this study to ensure that the preferred alternative takes all aspects of the project into account. Treatment and attenuation volumes for each rest area alternatives have been calculated, and one pond location, as well as one floodplain compensation site have been identified for each alternative.

2.2 Project Description

The study limits extend from the Charlotte/Lee County line north to the interchange of SR 681 and I-75, see **Figure 2-1**. The total study corridor length is approximately 51 miles (22 miles in Charlotte County and 29 miles in Sarasota County). Note that there is a very small portion (approximately 0.214 miles) of I-75 located in DeSoto County between Charlotte County and Sarasota County. For this study, this portion is included with the Sarasota County section of the project. The project will identify two sites for new rest areas along I-75, one each in the northbound and southbound direction. After the preliminary analysis, five rest area sites were identified for farther evaluation. Three of these sites are located off of NB I-75 (NB-2, NB-2B & NB-WIM) and the other two sites are located off of SB I-75 (SB-2 & SB-WIM). These sites have been shown on **Figure 2-1**.

Figure 2-1: Project Location Map



2.3 Future Land Use

Future land uses for this project are taken from the following data sources: City of North Port, 2015; Sarasota County GIS, 2015; and Charlotte County GIS, 2015. **Table 2-1** summarizes the future land uses for each of the alternatives.

Table 2-1: Future Land Use

Rest Area Alternative	Future Land Uses
SB-2	High Density Residential/ Commercial
SB-WIM	Low Density Residential
NB-2	Industrial
NB-2B	Industrial
NB-WIM	High Density Residential

3 Data Collection

Data was obtained from a variety of sources in order to complete the analysis. A list of the data collected and the source of the data is provided in **Table 3-1**.

Table 3-1: Data Collected

FEATURE DATASET	**SOURCE**
GIS Base Layers	Florida Geographic Data Library, 2015
Existing Land Use	Charlotte County Property Appraiser, 2015; Southwest Florida Water Management District, 2011; Aerial Imagery, 2014
Future Land Use	City of North Port, 2015; Sarasota County GIS, 2015; Charlotte County GIS, 2015
Section 4(f) Resources	Florida Natural Areas Inventory, 2014
Wetlands	Southwest Florida Water Management District, 2011
Flood Zones	Federal Emergency Management Agency (FEMA) Statewide National Flood Hazard Layer (NFHL), 2015; FEMA Sarasota County Preliminary NFHL, 2014

4 Regulatory Agency Coordination

This project will require coordination with the Florida Department of Environmental Protection (FDEP), Southwest Florida Water Management District (SWFWMD) and the U.S. Army Corps of Engineers (USACE). RS&H did not coordinate with the water management district for this specific project, however, RS&H has coordinated with the water management district on a current I-75 widening project (FPID No. 413042-4-52-01) that overlaps three of the five rest area alternatives. The other two rest area sites are located approximately one mile south of the southern end of the I-75 widening project.

5 Site Locations and Existing Conditions

I-75 (SR 93) is one of two major north-south limited access interstates that connect south Florida with the state of Georgia. As noted previously, in April of 2015 the FDOT closed the Jones Loop Rest Area at exit 161 in Charlotte County. This facility was an "off-system" rest area that serviced vehicles in both directions of I-75. The next closest rest area is the Lee County Rest Area, located at exit 131 on Daniel's Parkway. However, this site is planned for closure as it is also an "off-system" site. With the planned closure of the Lee County Rest Area, the nearest adjacent rest areas on I-75 are the Hillsborough County Rest Area, located at mile marker 238, and the Collier County Rest Area, located at mile marker 63. The distance between these two rest area facilities is approximately 175 miles. The American Association of State Highway and Transportation Officials (AASHTO) guidelines recommend rest areas should be spaced approximately a one-hour drive between appropriate stopping opportunities. At interstate speeds, this equates to approximately 70 miles between stopping opportunities. It is important to note that one set of rest areas will not meet the recommended spacing of 70 miles between the stopping opportunities. One of the considerations for the placement of the new rest area facilities will be that they are as equidistant to the existing rest area sites as possible.

A preliminary investigation was conducted to determine potential rest area sites. These sites were chosen from the segments identified in the Site Selection Report prepared in March of 2016. Five alternatives were selected for a more detailed analysis; SB-2, SB-WIM, NB-2, NB-2B and NB-WIM. Each of these five alternatives are described in greater detail below.

SB-2

Alternative SB-2 is located approximately 1500 feet south of Airport Road. The existing land use is pasture and the future land use has been defined as commercial on the north end of the rest area and residential on the south end of the rest area. There are no wetlands located at this site. The majority of this rest area is located within FEMA Flood Zone AE (Elev. 12.0-feet) with the southern end of the site located within FEMA Flood Zone X which is defined as an area of minimal flooding with no established base flood elevation. SB-2 is located in the Broad Creek Basin and WBID No. 2062 which is not impaired for either total phosphorus or total nitrogen

NB-2

Alternative NB-2 is located approximately 2000 feet north of Airport Road. The existing land use is industrial and the future land use has also been defined as industrial. There are no wetlands located at NB-2. There is a permitted floodplain compensation facility (SWFWMD Permit No. 43000164.038) located on this site and NB-2 is located within FEMA Flood Zone AE (Elev. 10.5-feet). As such, impacts for fill material placed below the base flood elevation will need to be accounted for. NB-2 is located in the Broad Creek Basin and WBID No. 2062 which is not impaired for total phosphorus or total nitrogen.

NB-2B

Alternative NB-2B is located approximately 700 feet south of Airport Road. The existing land use is industrial and the future land use has also been defined as industrial. There are no wetlands located at

this site. The majority of this rest area is located within FEMA Flood Zone AE (Elev. 12.0-feet) with the southern end of the site located within FEMA Flood Zone X which is defined as an area of minimal flooding with no established base flood elevation. NB-2B is located in the Broad Creek Basin and WBID No. 2062 which is not impaired for total phosphorus or total nitrogen.

SB-WIM

Alternative SB-WIM is located approximately 2500 feet south of South Jones Loop Road directly west of the existing SB weigh in motion station. The existing land use is pasture and the future land use has been defined as residential. There are no wetlands located at this site. SB-WIM is located within FEMA Flood Zone X which is defined as an area of minimal flooding with no established base flood elevation. SB-WIM is located in the Alligator Creek Basin and WBID No. 2074 which is currently impaired for dissolved solids, but not total phosphorus or total nitrogen.

NB-WIM

Alternative NB-WIM is located approximately 2500 feet south of South Jones Loop Road directly east of the existing NB weigh in motion station. The existing land use is pasture and the future land use has been defined as residential. There are no wetlands located at this site. The majority of the NB-WIM site is located within FEMA Flood Zone A. There is no established base flood elevation, but for the purposes of this report it has been estimated at elevation 20.7-feet based on an approximate elevation at the limits of the floodplain map obtained from GIS LiDAR topographic information. The on and off ramps to the rest area are located within FEMA Flood Zone X which is defined as an area of minimal flooding. NB-WIM is located in the Alligator Creek Basin and WBID No. 2074 which is currently impaired for dissolved solids.

6 Proposed Condition

6.1 Design Criteria

SWFWMD will require treatment and attenuation for all proposed impervious area at the selected site. It was assumed that 1 inch over the total site area would be utilized for treatment sizing at all locations were wet ponds are proposed. Since the site areas are all less than 100 acres, 0.5 inches was utilized to size all of the dry retention ponds. The pre/post volumetric differential for the SWFWMD 25-year 24 hour storm event was used for the preliminary attenuation calculations. Floodplain impacts and compensation were calculated utilizing “cup for cup” methodology.

6.2 Pond Sizing

SWFWMD and FDOT requirements were utilized for determining pond sizes. Topography and the seasonal high water elevation were also factored into the type of facility that was chosen for each rest area alternative. It was assume that all ponds would have a 15 foot maintenance berm, 1 foot of freeboard

and 1:4 side slopes for the interior of the pond. The attenuation depth was conservatively stacked on top of the treatment depth for both wet and dry ponds. Unless noted differently, all elevations are taken from the NGVD 29 Datum. Supporting calculations for the sizing of the pond and floodplain compensation sites are provided in **Appendix B and Appendix C** respectively. Each individual rest area site is discussed below.

SB-2

Alternative SB-2 is located approximately 1500 feet south of Airport Road. This site would be constructed on an existing pasture adjacent to the I-75 right of way. The seasonal high water table elevation was estimated at elevation 7.9-feet. This value is approximately 1.5-feet below existing ground and is comparable to the seasonal high water elevations established for the I-75 widening project currently under design (FPID – 413042-4-52-01). The preliminary pond sizing calculations assume that a wet pond will be constructed at this site and 1 inch over the entire site area was utilized to determine the treatment volume. Attenuation will be based on the pre/post volume differential for the 25-yr/24-hr frequency storm event. The low pavement elevation was estimated at 12.00 which is approximately four-feet above the seasonal high water table elevation to account for base clearance separation. Elevation 12.0 is comparable to the low pavement elevation associated with adjacent I-75 mainline widening design. **Table 6-1** summarizes the right of way required to accommodate the stormwater management needs for SB-2. Since all of the land surrounding the SB-2 rest area is undeveloped pasture, land use did not play a factor in locating the pond. The elevation on the northern end of the rest area site is lower and thus it is more advantageous to drain the rest area site to the north. Other than the elevation differential, there are no other distinguishing features in the land surrounding the rest area site. Based solely on this parameter, the pond was placed adjacent to the ramp entering the facility on the northern end of the site. The location of rest area SB-2 and the pond associated with this rest area are shown on **Figure 6-1**.

The existing ground elevation at SB-2 is approximately 9.4. Since the base flood elevation is 12.0 at SB-2, compensation will be required for all fill placed within the floodplain. Two floodplain compensation sites have been identified between I-75 and Piper Road directly north of Airport Road. The site closest to Piper Road was sized to accommodate the needs for SB-2, however, the size of the site closest to I-75 could also be adjusted in order to meet all of the floodplain compensation requirements for SB-2. Both of these sites would require the purchase of additional right of way. The location of these two floodplain compensation sites are shown on **Figure 6-1**. Floodplain impacts and compensation requirements are summarized in **Table 6-2.**

NB-2

Alternative NB-2 is located approximately 2000 feet north of Airport Road. The majority of this rest area would be constructed on an existing permitted floodplain compensation site (SWFWMD Permit No. 43000164.038). Compensation for impacts to this facility will need to be provided. Excerpts from this permit are included in **Appendix D.** This land is currently owned by the Charlotte County Airport Authority. Per SWFWMD Permit No. 43000164.038, the seasonal high water elevation at NB-2 is at elevation 6.50 which is 1.5 feet below the existing ground. This value is comparable to the seasonal high

water elevations that were established near this location for the I-75 mainline widening design (FPID – 413042-4-52-01). The preliminary pond sizing calculations assume that a wet pond will be constructed at this site and 1 inch over the entire site area was utilized to determine the treatment volume. Attenuation was based on a volumetric comparison between the pre/post runoff for the 25-year/24-hour frequency storm event. The low pavement elevation was estimated at elevation 10.50 which is approximately four-feet above the seasonal high water table to account for base clearance. Elevation 10.5 is slightly lower, but still comparable to the low edge of pavement associated with the existing I-75 mainline. **Table 6-1** summarizes the right of way requirements to accommodate the stormwater management needs for NB-2. There is enough area between the NB-2 rest area site and the adjacent borrow pit, located directly to the east, to accommodate a pond large enough to meet the treatment and attenuation requirements for NB-2. It should be noted that NB-2 would have to be configured so as to accommodate Broad Creek which is located between I-75 and the borrow pit. This may require the construction of several hundred feet of box culvert extension to carry Broad Creek beneath, or adjacent to, the rest area. The location of rest area NB-2 and the pond associated with this rest area are shown on **Figure 6-2**.

The existing ground elevation at NB-2 is approximately 8.5. Since the base flood elevation is 10.5 at NB-2, compensation will be required for all fill placed within the floodplain and all impacts to the existing floodplain compensation site. Two proposed floodplain compensation sites have been identified between I-75 and Piper Road directly north of Airport Road. The site closest to I-75 was sized to accommodate the needs for NB-2, however, the size of the site closest to Piper Road, which was sized for SB-2, could also be adjusted in order to meet all of the floodplain compensation requirements for NB-2. Both of these sites woud require the purchase of additional right of way. The location of these two floodplain compensation sites are shown on **Figure 6-2**. Floodplain impacts and compensation requirements are summarized in **Table 6-2.**

NB-2B

Alternative NB-2B is located approximately 700 feet south of Airport Road. This site would be constructed on an existing pasture adjacent to the I-75 right of way. The seasonal high water table elevation was estimated at elevation 9.4-feet. This value is approximately 1.5-feet below existing ground and is comparable to the seasonal high water elevations established for the I-75 widening project currently under design (FPID – 413042-4-52-01). The preliminary pond sizing calculations assume that a wet pond will be constructed at this site and 1 inch over the entire site area was utilized to determine the treatment volume. Attenuation will be based on the volumetric difference between the pre/post runoff for the 25-yr/24-hr frequency storm event. The low edge of pavement was estimated at elevation 13.4, which is approximately 4-feet above the seasonal high water table which is needed for base clearance and also comparable to the I-75 mainline low edge of pavement in this location. **Table 6-1** summarizes the right of way requirements to accommodate the stormwater management needs for NB-2B. The pond for NB-2B was located on the remnant parcel directly north of the rest area. The elevation on the northern end of the rest area site is lower than the southern end of the rest area which will make it easier to drain the site into the existing conveyance system. The location of rest area NB-2B and the pond associated with this rest area are shown on **Figure 6-1**.

The majority of this rest area is located within FEMA Flood Zone AE with the southern end of the site located within FEMA Flood Zone X which is defined as an area of minimal flooding. Two proposed floodplain compensation sites have been identified between I-75 and Piper Road directly north of Airport Road. The site closest to I-75 was sized to accommodate the needs for NB-2B, however, the floodplain compensation requirements could also be met at the site closest to Piper Road. Both of these sites woud require the purchase of additional right of way. The location of these two floodplain compensation sites are shown on **Figure 6-1**. Floodplain impacts and compensation requirements are summarized in **Table 6-2.**

SB-WIM

Alternative SB-WIM is located approximately 2500 feet south of South Jones Loop Road directly west of the existing SB weigh in motion station. This site would be constructed on an existing pasture adjacent to the I-75 SB weigh in motion station. The seasonal high water table was estimated at elevation 19.5-feet which is approximately the same elevation used for the existing WIM stations (SWFWMD Permit No. 409592). The preliminary pond sizing calculations assume that a dry retention pond will be constructed at this site. Since the drainage area at this site is less than 100 acres, 0.5 inches over the entire site area was utilized to determine the treatment volume. Attenuation will be based on the volumetric comparison of pre/post runoff for the 25-yr/24-hr frequency storm event. The existing pond bottom was set at elevation 22.0-feet which matches the dry retention pond elevations used for the existing WIM station. **Table 6-1** summarizes the right of way requirements to accommodate the stormwater management needs for SB-WIM. In order to meet storage requirements, two pond sites were selected. The pond locations were incorporated into the rest area site and placed adjacent to the entrance and exit ramps. The location of rest area SB-WIM and the ponds associated with this rest area are shown on **Figure 6-3**. SB-WIM is located within FEMA Flood Zone X which is defined as an area of minimal flooding with no base flood elevations established. Since the existing ground elevation at the SB WIM site is approximately the same as the floodplain elevation at the NB WIM site, no impacts to the floodplain are anticipated at the SB-WIM site.

NB-WIM

Alternative NB-WIM is located approximately 2500 feet south of South Jones Loop Road directly east of the existing NB weigh in motion station. This site would be constructed on an existing pasture adjacent to the I-75 NB weigh in motion station. The seasonal high water table elevation was set at 19.5-feet which is approximately the same elevation used for the existing WIM stations. The preliminary pond sizing calculations assume that a dry retention pond will be constructed at this site. Since the drainage area at this site is less than 100 acres, 0.5 inches over the entire site area was utilized to determine the treatment volume. Attenuation will be based on a volumetric comparison of pre/post runoff for the 25-yr/24-hr frequency storm event. The existing pond bottom was set at elevation 22.0-feet which matches the dry retention pond elevations used for the existing WIM station. **Table 6-1** summarizes the right of way requirements to accommodate the stormwater management needs for NB-WIM. The pond for NB-WIM was located between the rest area and the I-75 on ramp. The location of rest area NB-WIM and the pond associated with this rest area are shown on **Figure 6-3**.

The existing ground elevation at the NB-WIM rest area site varies from approximately 18.0 to 23.0. The majority of the NB-WIM site is located within FEMA Flood Zone A which has no established base flood elevation. However, for the purposes of this evaluation, the base flood elevation has been set at 20.7-feet based on an approximate elevation near the edge of the floodplain shape based on GIS LiDAR topographical data. Compensation will be required for all fill placed within the floodplain. The on and off ramps to the rest area are located within FEMA Flood Zone X which is defined as an area of minimal flooding. The floodplain compensation site for NB-WIM is located between the I-75 on ramp and an existing borrow pit lake at the southern end of the rest area site in what has been classified as existing pasture land. The location of the floodplain compensation site is shown on **Figure 6-3**. Floodplain impacts and compensation requirements are summarized in **Table 6-2.**

Table 6-1: Pond Sizing Requirements

REST AREA SITE	REQUIRED TREATMENT & ATTENUATION VOLUME (ACRE-FT)	AREA REQUIRED (ACRES)	POND AREA PROVIDED (ACRES)
SB-2	2.34	1.66	1.95
NB-2	2.47	1.58	2.26
NB-2B	2.73	2.60	2.60
SB-WIM	1.75	2.86	3.78
NB-WIM	1.82	2.20	2.68

Table 6-2: Floodplain Impacts and Sizing of Compensation Sites

REST AREA SITE	VOLUME IMPACTED (ACRE-FT)	AREA REQUIRED TO ACCOMMODATE IMPACTED VOLUME (ACRES)
SB-2	17.52	6.09
NB-2	28.99	8.54
NB-2B	10.29	3.46
SB-WIM	N/A	N/A
NB-WIM	4.88	4.12

The pond area provided for SB-2 and NB-2 is greater than what is required to avoid a remnant parcel or to create more of a rectangular shape for the purpose of determining R/W cost. The pond area provided for the WIM sites is also greater than what is required in order to utilize all available space within the rest area footprint. These differences are graphically illustrated on **Figures 6-1, 6-2 and 6-3**.

Figure 6-1: NB-2B & SB-2 Rest Area Sites

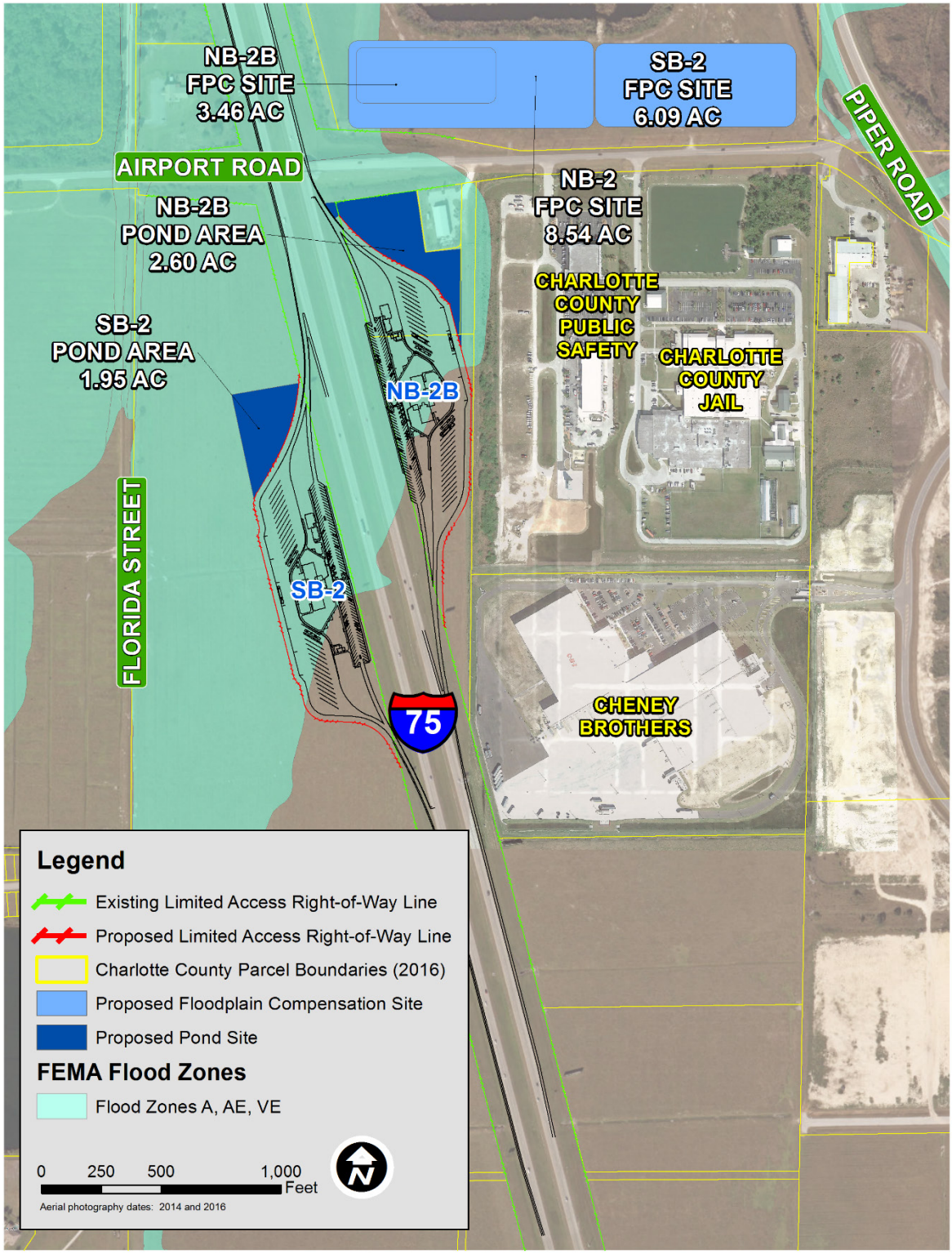


Figure 6-2: NB-2 Rest Area Site

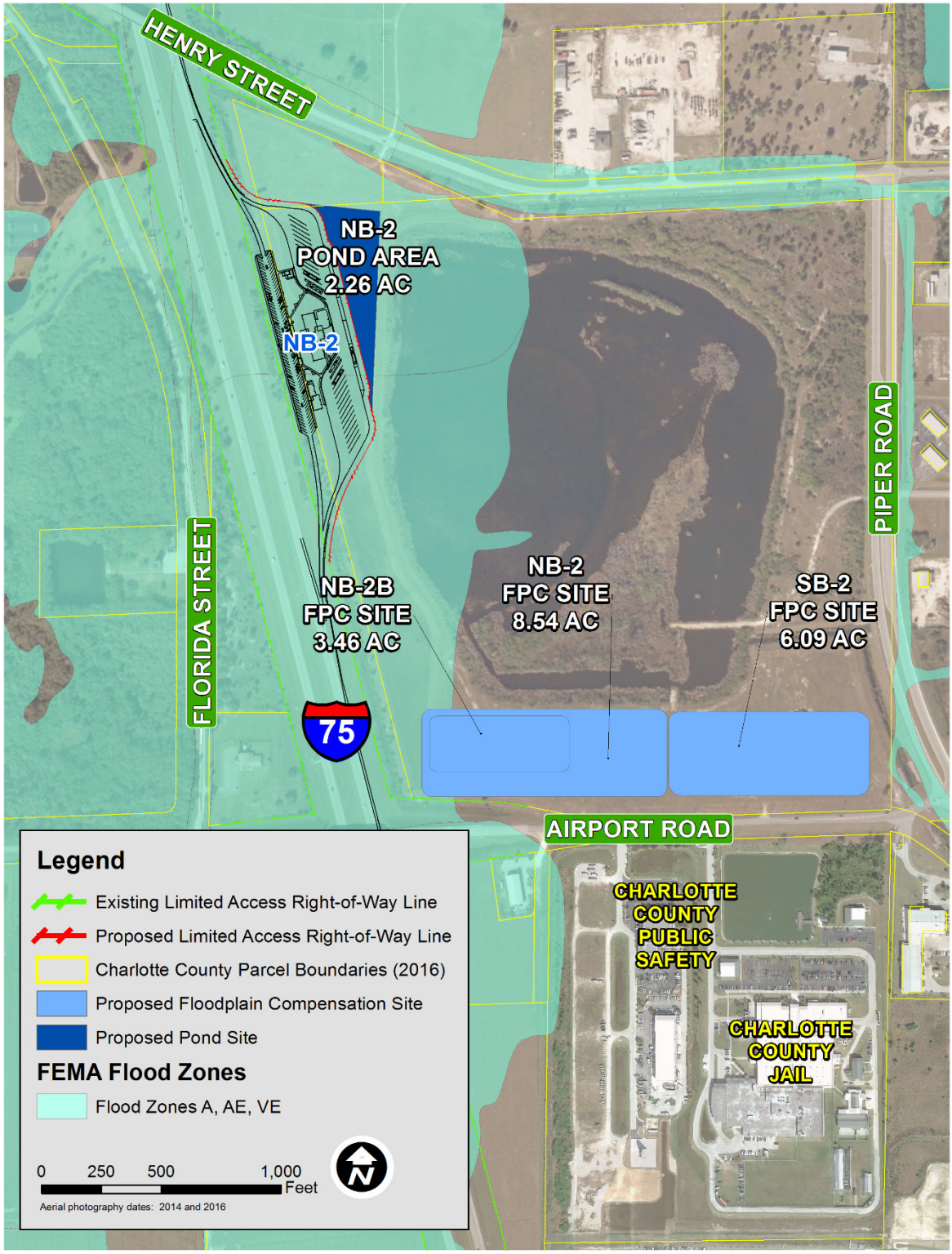


Figure 6-3: NB & SB WIM Rest Area Sites

7 Conclusion

The proposed project involves siting and preliminary design for new rest areas on I-75 between the Charlotte/Lee County line and SR 681 in Sarasota County. As part of this analysis stormwater management volumes were tabulated and factored into the decision matrix. Treatment, attenuation and floodplain impact volumes were all utilized to preliminarily locate ponds for each rest area site and, where applicable, floodplain compensation sites. This analysis assumed that the rest area sites would be implemented as a pair that had to be within relatively close proximity of each other. As such, the WIM sites were included as one pair while the SB-2 site was included with both the NB-2 site and the NB-2B site to form an additional two pairs.

NB-WIM and SB-WIM are the only northbound/southbound alternative pair that was capable of accommodating stormwater management within the existing footprint of the proposed rest areas and associated ramps. The NB-2 and SB-2 northbound/southbound alternative pair had the smallest requirement for stormwater management, but any proposed ponds would have to be located beyond the footprint of the rest area. The NB-2B alternative has the largest treatment and attenuation requirement for the northbound alternatives and stormwater management cannot be accommodated within the existing footprint of NB-2B.

NB-WIM and SB-WIM are the northbound/southbound alternative pair that required the smallest footprint for compensatory floodplain volume. This is mainly due to the fact that the SB-WIM does not encroach into the floodplain and that NB-WIM site is located in Zone A which has a very shallow floodplain depth relative to the existing ground. The alternative that required the largest compensatory floodplain volume was the NB-2 and SB-2 northbound/southbound alternative pair because the largest elevation difference between the existing ground and the 100-year floodplain occurred in this location.

Based solely on stormwater management and floodplain compensation requirements, the WIM sites are the best alternative for the following reasons.

- All stormwater management can be accomplished within the proposed footprint requiring no additional R/W exclusively for stormwater management.
- The additional R/W required for pond sites and floodplain compensation is the smallest of any of the northbound/southbound alternatives
- Dry retention will be used for treatment which will reduce long-term maintenance and provide better water quality than traditional wet detention.

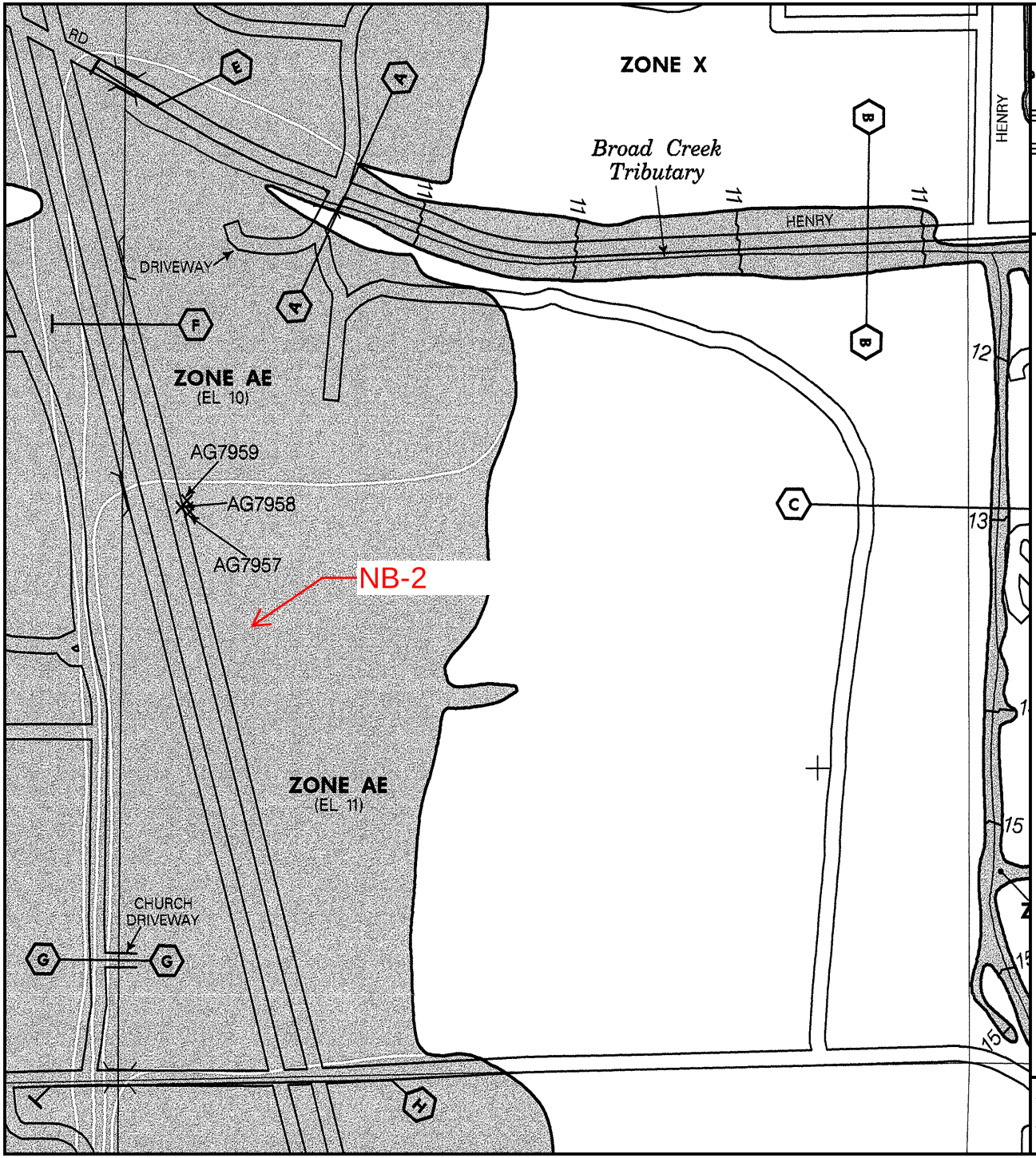
It should be noted that significant engineering judgement was required to arrive at the recommended alternative. Estimates were made as to the average elevation of the existing ground, the seasonal high water table and proposed profile gradeline. As much as possible these estimates are supported by existing permitted infrastructure and GIS data. However, the pond sizes are deemed to be reasonable in that each required pond footprint between 10% and 20% of the total contributing area. With respect to the

floodplain compensation sites, these sites may ultimately become smaller during final design once additional engineering information has been obtained.

8 References

- Federal Emergency Management Agency, *Flood Insurance Rate Map for Charlotte County, Florida, Panels 242 & 263*, May 5, 2003.
- Florida Department of Transportation, *Drainage Manual*, 2016.
- Florida Department of Transportation, *Stormwater Management Facilities Handbook*, 2004.
- Florida Department of Transportation, *PD&E Manual,* Part 2, Chapter 24-Floodplains, August 17, 2016.
- Florida Department of Transportation, *Culvert Handbook*, 2004.
- Southwest Florida Water Management District, *Environmental Resource Permit Applicant's Handbook Volume II*, October 1, 2013.
- United States Department of Agriculture, *Soil Survey Geographic Database for Charlotte County, Florida*, November 19, 2015.

APPENDIX A
FEMA FIRM Maps & Soils Maps



SCALE 1" = 500'

500 1000 FEET

METERS

PANEL 0242 F

FIRM

FLOOD INSURANCE RATE MAP

CHARLOTTE COUNTY, FLORIDA

AND INCORPORATED AREAS

PANEL 242 OF 525

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CHARLOTTE COUNTY	120061	0242	F

Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

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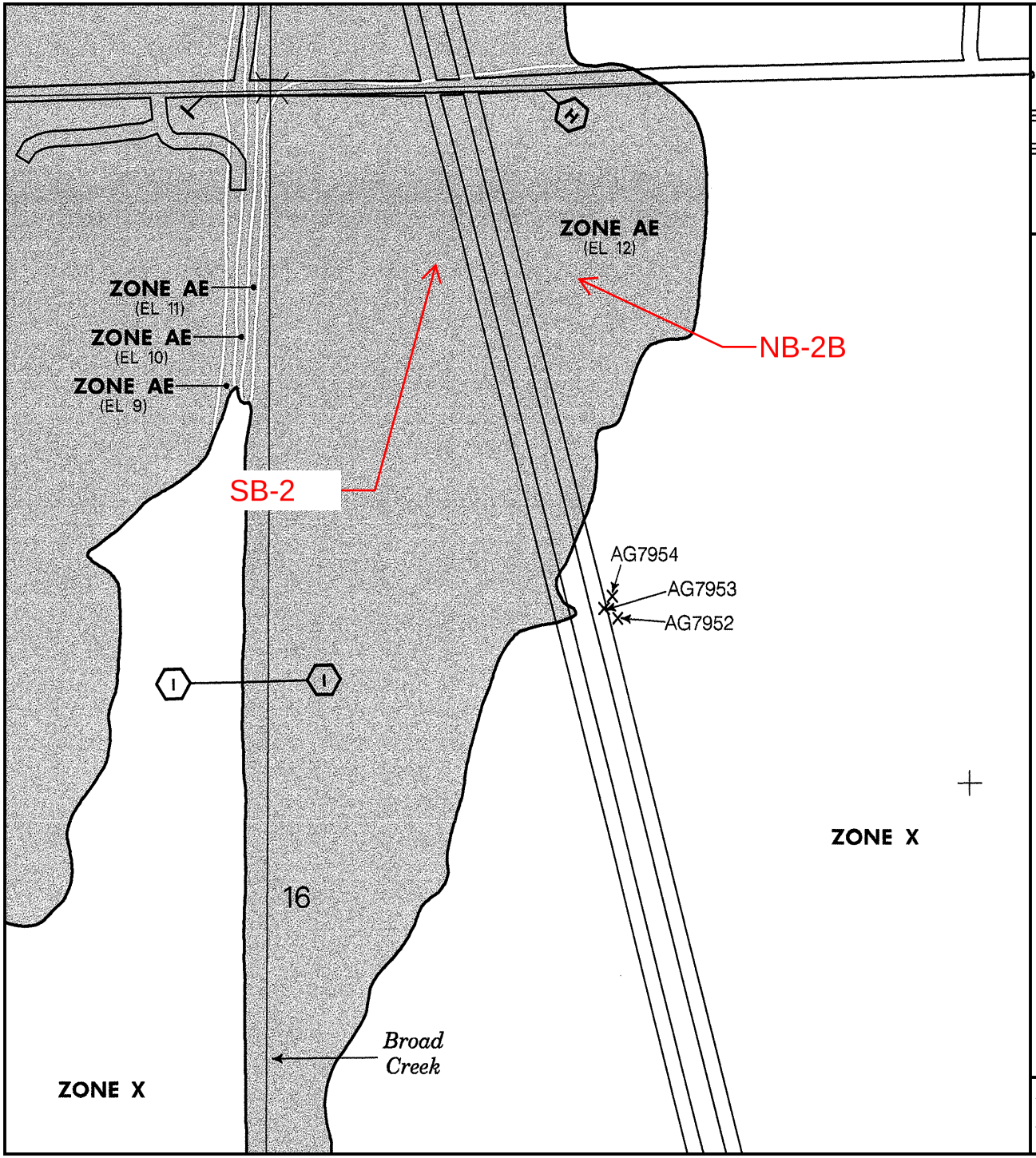
12015C0242F

EFFECTIVE DATE
MAY 5, 2003

Federal Emergency Management Agency



SCALE 1" = 500'

500 1000 FEET

METERS

PANEL 0242 F

FIRM

FLOOD INSURANCE RATE MAP

CHARLOTTE COUNTY, FLORIDA

AND INCORPORATED AREAS

PANEL 242 OF 525

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

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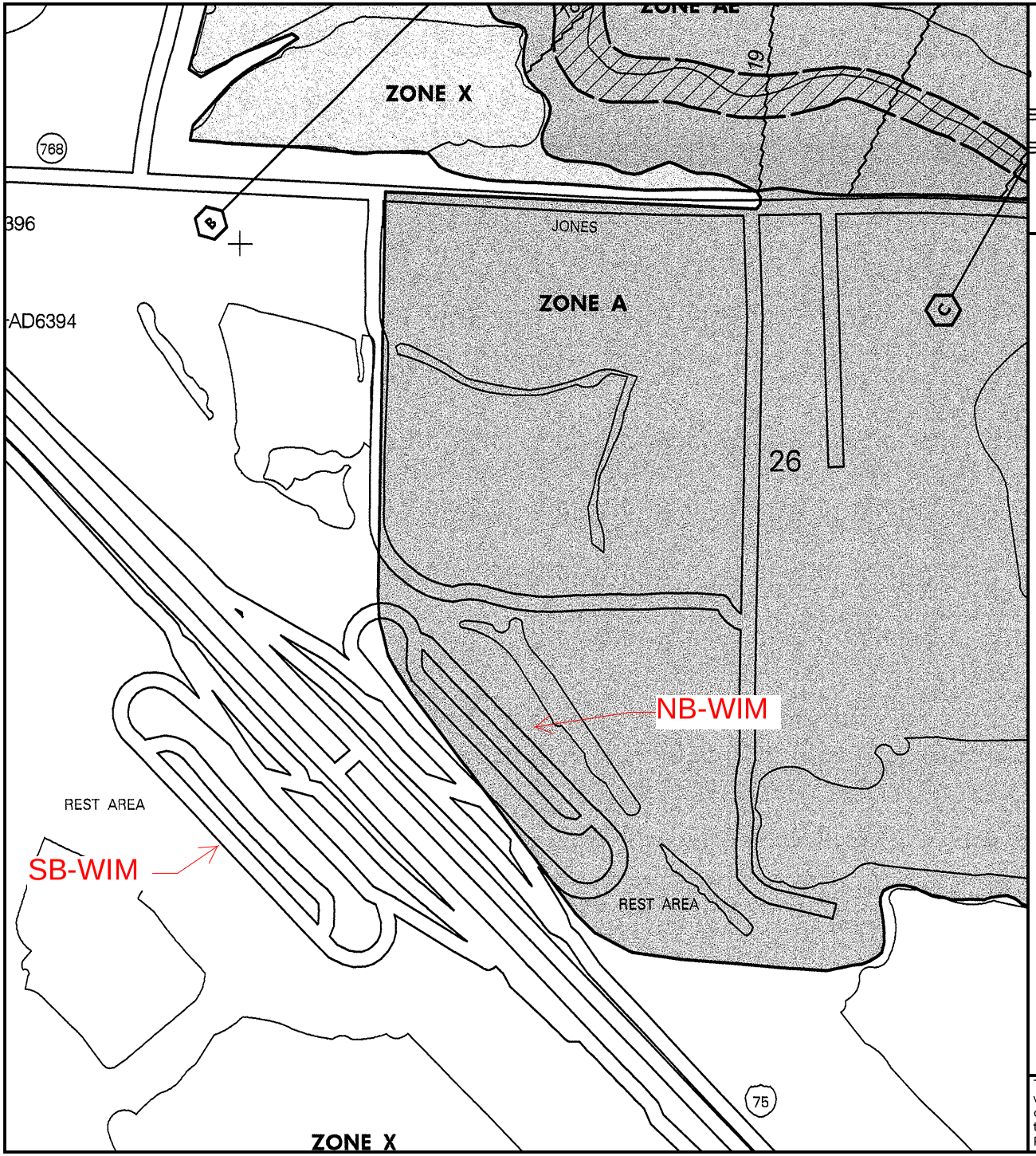


SCALE 1" = 500'

500 1000 FEET

METERS

PANEL 0263 F

FIRM

FLOOD INSURANCE RATE MAP

CHARLOTTE COUNTY, FLORIDA

AND INCORPORATED AREAS

PANEL 263 OF 525

(SEE MAP INDEX FOR FIRM PANEL LAYOUT)

CONTAINS:

COMMUNITY	NUMBER	PANEL	SUFFIX
CHARLOTTE COUNTY	120061	0263	F

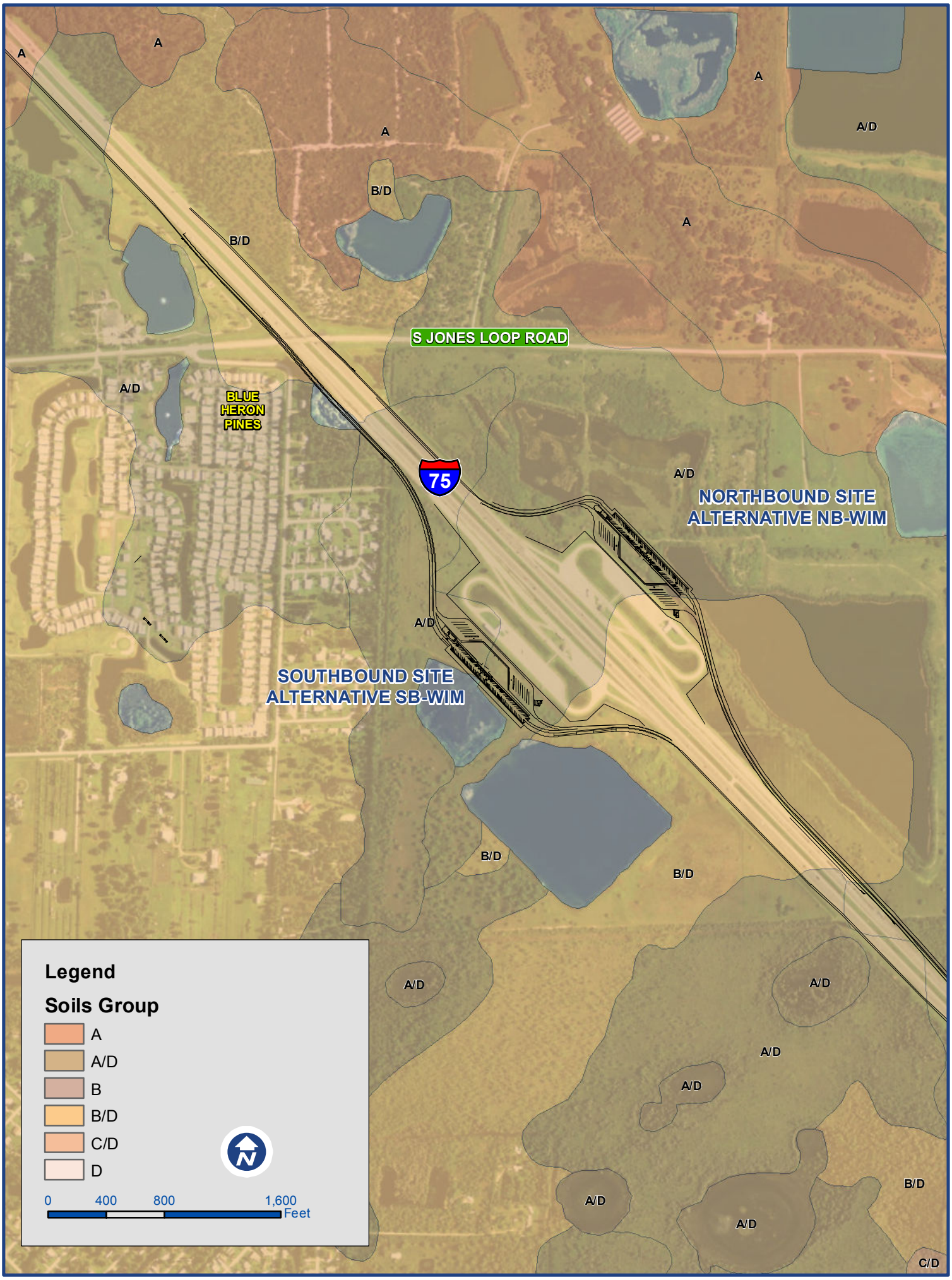
Notice to User: The **Map Number** shown below should be used when placing map orders; the **Community Number** shown above should be used on insurance applications for the subject community.

MAP NUMBER
12015C0263F

EFFECTIVE DATE
MAY 5, 2003

Federal Emergency Management Agency


A/D
B
HENRY STREET
A/D
C/D
A/D
B
NORTHBOUND SITE
ALTERNATIVE NB-2
B
FLORIDA
SOUTHWESTERN
STATE
COLLEGE
FLORIDA STREET
PIPER ROA
AIRPORT ROAD
MCGINNIS
BAIL
BONDS
B/D
NORTHBOUND SITE
ALTERNATIVE NB-2B
A/D
C/D
D
SOUTHBOUND SITE
ALTERNATIVE SB-2
B/D
CHENEY
BROTHERS
B/D
A/D
75
A/D
A/D
A/D
Legend
Soils Group
A
A/D
B
B/D
C/D
D
0
400
800
1,600
Feet


A
A
A
A
A/D
B/D
B/D
A
S JONES LOOP ROAD
A/D
BLUE HERON PINES
75
A/D
NORTHBOUND SITE ALTERNATIVE NB-WIM
A/D
SOUTHBOUND SITE ALTERNATIVE SB-WIM
B/D
B/D
A/D
A/D
A/D
A/D
B/D
A/D
A/D
C/D
Legend
Soils Group
A
A/D
B
B/D
C/D
D
0
400
800
1,600
Feet

Hydrologic Soil Group

Hydrologic Soil Group— Summary by Map Unit — Charlotte County, Florida (FL015)				
Map unit symbol	**Map unit name**	**Rating**	**Acres in AOI**	**Percent of AOI**
6	Hallandale fine sand, wet, 0 to 2 percent slopes	B/D	1,745.1	1.9%
7	Matlacha-Urban land complex	B	1,066.9	1.2%
8	Hallandale fine sand, tidal	B/D	275.6	0.3%
9	EauGallie sand, 0 to 2 percent slopes	A/D	862.8	0.9%
10	Pompano fine sand, 0 to 2 percent slopes	A/D	377.1	0.4%
11	Myakka fine sand, 0 to 2 percent slopes	A/D	1,877.4	2.0%
12	Felda fine sand, 0 to 2 percent slopes	A/D	4,322.6	4.7%
13	Boca fine sand, 0 to 2 percent slopes	A/D	4,447.3	4.9%
14	Valkaria fine sand, 0 to 2 percent slopes	A/D	696.9	0.8%
16	Peckish mucky fine sand	A/D	115.8	0.1%
17	Daytona sand	A	379.0	0.4%
18	Matlacha gravelly fine sand, limestone substratum	B	301.2	0.3%
19	Gator muck, frequently ponded, 0 to 1 percent slopes	C/D	54.0	0.1%
23	Wulfert muck	A/D	1,196.5	1.3%
24	Kesson fine sand	A/D	408.9	0.4%
26	Pineda fine sand, 0 to 2 percent slopes	A/D	5,286.7	5.8%
27	Pompano fine sand, depressional	A/D	68.2	0.1%
28	Immokalee sand, 0 to 2 percent slopes	B/D	7,834.6	8.6%
33	Oldsmar sand, 0 to 2 percent slopes	A/D	7,823.2	8.5%
34	Malabar fine sand, 0 to 2 percent slopes	A/D	1,906.5	2.1%
35	Wabasso sand, 0 to 2 percent slopes	C/D	7,488.5	8.2%

Hydrologic Soil Group— Summary by Map Unit — Charlotte County, Florida (FL015)				
Map unit symbol	**Map unit name**	**Rating**	**Acres in AOI**	**Percent of AOI**
36	Immokalee-Urban land complex	B/D	76.8	0.1%
37	Satellite fine sand, 0 to 2 percent slopes	A/D	1.0	0.0%
38	Isles fine sand, slough	B/D	10.8	0.0%
39	Isles fine sand, depressional	B/D	294.2	0.3%
40	Anclote sand, depressional, 0 to 1 percent slopes	A/D	66.4	0.1%
42	Wabasso sand, limestone substratum, 0 to 2 percent slopes	C/D	2,630.6	2.9%
43	Smyrna fine sand, 0 to 2 percent slopes	A/D	2,126.5	2.3%
44	Malabar fine sand, depressional, 0 to 1 percent slopes	A/D	77.9	0.1%
45	Copeland sandy loam, depressional	D	82.9	0.1%
49	Felda fine sand, depressional	A/D	3,515.0	3.8%
51	Floridana sand, depressional	C/D	345.6	0.4%
53	Myakka fine sand, depressional	A/D	193.6	0.2%
55	Cocoa fine sand	A	10.8	0.0%
56	Isles muck	B/D	2,705.5	3.0%
57	Boca fine sand, tidal	A/D	853.6	0.9%
59	Urban land		483.1	0.5%
61	Orsino fine sand	A	351.1	0.4%
62	Winder sand, depressional	C/D	2,257.6	2.5%
63	Malabar fine sand, high, 0 to 2 percent slopes	A/D	1,378.1	1.5%
67	Smyrna-Urban land complex	A/D	619.9	0.7%
69	Matlacha gravelly fine sand	B	2,650.0	2.9%
70	Heights fine sand	B/D	4,786.6	5.2%
73	Pineda fine sand, depressional, 0 to 1 percent slopes	A/D	1,364.2	1.5%
74	Boca fine sand, slough	A/D	18.3	0.0%
77	Pineda fine sand, limestone substratum	C/D	368.3	0.4%

APPENDIX B
Pond Sizing Calculations

Project Name: I-75 Rest Areas PD&E
Project Number: 104-0007-000
Task Description: Estimation of ROW Re uirements

Prepared by: FAM
Checked by: RMG
Date: 11/17/2016

Basin	Alternative SB 2			
	Pre-Development Condition		*Post Development Condition*	
Total Area, acre	10.87	CN	10.87	CN
Pond Area, ac	1.66	80	1.66	91
Impervious Area, ac	0.00	98	7.10	98
Pervious Area, ac	9.21		2.11	
CN	80.0		93.4	
Attenuation Volume-25yr24hr				
Precipitation	8.00		8.00	
Potential Maximum Retention (S)	2.50		0.70	
Runoff Depth (Q), in	5.63		7.21	
Runoff Volume, acre-ft	5.10		6.53	
Volume Differential, acre-ft	**1.44**			
Treatment Volume				
1-in. (1ft./12 in.) x Total Area (ac.) = acre-ft			0.91	
Total Volume Required, acre-ft	**2.34**			

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirements	**Date:**	11/17/2016

POND ROW REQUIREMENTS - Alternate SB 2

Existing Ground at Pond site =	9.40	NGVD (Estimated From GIS Topographic Information)
ELEV EXST EOP @ Low Point =	12.00	NGVD (Assumed to be approximately 4-feet above SHW to accommodate base clearance)
Elev SHW =	7.90	NGVD (Estimated From NRCS Soil Survey at 1.5-feet below grade)

Water Quality Volume Re uired based on 1 inch over total site area	0.91	AC-FT.
Attenuation Volume	1.44	AC-FT.
Pond Area Based on treatment volume	0.91	AC
Assume 1 foot of pond freeboard	1.00	FT.
Treatment Depth	1.00	FT. < 1.5 ft - OK
Total Attenuation Depth based on Pond Area	1.59	FT.
Total Depth from SHWL to Top of Berm	**3.59**	**FT.**
Elev SHW=	7.90	NGVD
Top of Berm Elevation given a total depth =	11.49	NGVD
Unit Length Based on L/W = 2	281	FT.
Unit Width Based on L/W = 2	140	FT.
Maintenance Berm Width of 15-ft	30	FT.
Grade Adjustment Width Assumed 1:2	8	FT.
Horizontal Distance Based on a 1:4 Slope and total Depth	29	FT.
Total Pond Length (including maintenance berm and adjustments)	348	FT.
Total Pond Width (including maintenance berm and adjustments)	208	FT.
Preliminary Property Size Re uired	1.66	AC.
PROPERTY SIZE FOR TREATMENT & ATTENUATION	1.66	AC.
SHAPE AREA LOCATED ADJACENT TO REST AREA	1.95	AC

Note: NAVD88 + 1.1 = NGVD29 (Approximate). All GIS data increased by 1.1-feet to convert to NGVD29

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirements	**Date:**	11/18/2016

Basin	**Alternative NB 2**			
	Pre-Development Condition		***Post Development Condition***	
Total Area, acre	11.83	CN	11.83	CN
Pond Area, ac	1.43	80	1.43	91
Impervious Area, ac	0.00	98	7.47	98
Pervious Area, ac	10.40	80	2.93	80
CN	80.0		92.8	
Attenuation Volume-25yr24hr				
Precipitation	8.00		8.00	
Potential Maximum Retention (S)	2.50		0.78	
Runoff Depth (Q), in	5.63		7.13	
Runoff Volume, acre-ft	5.55		7.03	
Volume Differential, acre-ft	**1.49**			
Treatment Volume				
1-in. (1ft./12 in.) x Total Area (ac.) = acre-ft			0.99	
Total Volume Required, acre-ft	**2.47**			

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirements	**Date:**	11/18/2016

POND ROW REQUIREMENTS - Alternate NB 2

Existing Ground at Pond site =	8.50	NGVD (Estimated From GIS Topographic Information)
ELEV EXST EOP @ Low Point =	10.50	NGVD (Assumed to be approximately 4-feet above SHW to accommodate base clearance)
Elev SHW =	6.50	NGVD based on SWFWMD Permit No. 43000164.038

Water Quality Volume Re uired based on 1 inch over total site area	0.99	AC-FT.
Attenuation Volume	1.49	AC-FT.
Pond Area Based on treatment volume	0.82	AC
Assume 1 foot of pond freeboard	1.00	FT.
Treatment Depth	1.20	FT. < 1.5 ft - OK
Total Attenuation Depth based on Pond Area	1.81	FT.
Total Depth from SHWL to Top of Berm	**4.01**	**FT.**
Elev SHW=	6.50	NGVD
Top of Berm Elevation given a total depth =	10.51	NGVD
Unit Length Based on L/W = 2	268	FT.
Unit Width Based on L/W = 2	134	FT.
Maintenance Berm Width of 15-ft	30	FT.
Grade Adjustment Width Assumed 1:2	8	FT.
Horizontal Distance Based on a 1:4 Slope and total Depth	32	FT.
Total Pond Length (including maintenance berm and adjustments)	338	FT.
Total Pond Width (including maintenance berm and adjustments)	204	FT.
Preliminary Property Size Re uired	1.58	AC.
MINIMUM PROPERTY SIZE FOR TREATMENT & ATTENUATION	1.58	AC.
SHAPE AREA IDENTIFIED ON MAPS INCLUDES REM. OF EXISTING COMP SITE	2.26	AC.

Note: NAVD88 + 1.1 = NGVD29 (Approximate). All GIS data increased by 1.1-feet to convert to NGVD29

Project Name: I-75 Rest Areas PD&E
Project Number: 104-0007-000
Task Description: Estimation of ROW Re uirements

Prepared by: FAM
Checked by: RMG
Date: 11/18/2016

Basin	Alternative NB 2B			
	Pre-Development Condition		*Post Development Condition*	
Total Area, acre	12.92	CN	12.92	CN
Pond Area, ac	2.57	80	2.57	94
Impervious Area, ac	0.00	98	7.31	98
Pervious Area, ac	10.35	80	3.04	80
CN	80.0		93.0	
Attenuation Volume-25yr24hr				
Precipitation	8.00		8.00	
Potential Maximum Retention (S)	2.50		0.76	
Runoff Depth (Q), in	5.63		7.16	
Runoff Volume, acre-ft	6.06		7.71	
Volume Differential, acre-ft	**1.65**			
Treatment Volume				
1-in. (1ft./12 in.) x Total Area (ac.) = acre-ft			1.08	
Total Volume Required, acre-ft	**2.73**			

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirements	**Date:**	11/18/2016

POND ROW REQUIREMENTS - Alternate NB 2B

Existing Ground at Pond site =	10.90	NGVD	(Estimated From GIS Topographic Information)
ELEV EXST EOP @ Low Point =	13.40	NGVD	(Assumed to be approximately 4-feet above SHW to accommodate base clearance)
Elev SHW =	9.40	NGVD	(Estimated From NRCS Soil Survey at 1.5-feet below grade)

Water Quality Volume Re uired based on 1 inch over total site area	1.08	AC-FT.
Attenuation Volume	1.65	AC-FT.
Pond Area Based on treatment volume	1.79	AC
Assume 1 foot of pond freeboard	1.00	FT.
Treatment Depth	0.60	FT. < 1.5 ft - OK
Total Attenuation Depth based on Pond Area	0.92	FT.
Total Depth from SHWL to Top of Berm	**2.52**	**FT.**
Elev SHW=	9.40	NGVD
Top of Berm Elevation given a total depth =	11.92	NGVD
Unit Length Based on L/W = 2	395	FT.
Unit Width Based on L/W = 2	198	FT.
Maintenance Berm Width of 15-ft	30	FT.
Grade Adjustment Width Assumed 1:2	4	FT.
Horizontal Distance Based on a 1:4 Slope and total Depth	20	FT.
Total Pond Length (including maintenance berm and adjustments)	450	FT.
Total Pond Width (including maintenance berm and adjustments)	252	FT.
Preliminary Property Size Re uired	2.60	AC.
SHAPE AREA IDENTIFIED ON MAPS FILLS IN REMNANT PARCEL	2.60	AC.

Note: NAVD88 + 1.1 = NGVD29 (Approximate). All GIS data increased by 1.1-feet to convert to NGVD29

Project Name: I-75 Rest Areas PD&E
Project Number: 104-0007-000
Task Description: Estimation of ROW Re uirements

Prepared by: FAM
Checked by: RMG
Date: 11/18/2016

Basin	Alternative SB WIM			
	Pre-Development Condition		*Post Development Condition*	
Total Area, acre	12.70	CN	12.70	CN
Pond Area, ac	2.83	80	2.83	80
Impervious Area, ac	0.00	98	6.91	98
Pervious Area, ac	9.87		2.96	
CN	80.0		89.8	
Attenuation Volume-25yr24hr				
Precipitation	8.00		8.00	
Potential Maximum Retention (S)	2.50		1.14	
Runoff Depth (Q), in	5.63		6.78	
Runoff Volume, acre-ft	5.95		7.18	
Volume Differential, acre-ft	**1.22**			
Treatment Volume				
0.5-in. (1ft./12 in.) x Total Area (ac.) = acre-ft			0.53	
Total Volume Required, acre-ft	**1.75**			

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirements	**Date:**	11/18/2016

POND ROW REQUIREMENTS - Alternate SB WIM

Existing Ground at Pond site =	21.00	NGVD (Estimated From GIS Topographic Information)
ELEV EXST EOP @ Low Point =	24.50	NGVD (Matches approximate low pavement from Permit No. 409592)
Elev SHW =	19.50	NGVD (Estimated From NRCS Soil Survey at 1.5-feet below grade) (Value also approximates SHWT El. In Permit No. 409592)

Water Quality Volume Re uired based on 0.5 inch over total site area	0.53	AC-FT.
Attenuation Volume	1.22	AC-FT.
Pond Area Based on treatment volume	0.76	AC
Adjusted pond area to minimize attenuation depth	1.90	AC
Assume 1 foot of pond freeboard	1.00	FT.
Treatment Depth	0.70	FT. < 1.5 ft - OK
Total Attenuation Depth based on Pond Area	0.64	FT.
Total Depth from SHWL to Top of Berm	**2.34**	**FT.**
Pond Bottom =	22.00	NGVD (Based on SWFWMD Weigh Station Permit No. 409592)
Top of Berm Elevation given a total depth =	24.34	NGVD
Unit Length Based on L/W = 2	407	FT.
Unit Width Based on L/W = 2	203	FT.
Maintenance Berm Width of 15-ft	30	FT.
Grade Adjustment Width Assumed 1:2	13	FT.
Horizontal Distance Based on a 1:4 Slope and total Depth	19	FT.
Total Pond Length (including maintenance berm and adjustments)	469	FT.
Total Pond Width (including maintenance berm and adjustments)	266	FT.
Preliminary Property Size Re uired	2.86	AC.
PROPERTY SIZE FOR TREATMENT & ATTENUATION	2.86	AC.
SHAPE AREA LOCATED WITHIN WIM FOOTPRINT	3.78	AC.

Note: NAVD88 + 1.1 = NGVD29 (Approximate). All GIS data increased by 1.1-feet to convert to NGVD29

Project Name: I-75 Rest Areas PD&E
Project Number: 104-0007-000
Task Description: Estimation of ROW Re uirements

Prepared by: FAM
Checked by: RMG
Date: 11/18/2016

Basin	Alternative NB WIM			
	Pre-Development Condition		*Post Development Condition*	
Total Area, acre	13.24	CN	13.24	CN
Pond Area, ac	2.65	80	2.65	80
Impervious Area, ac	0.00	98	7.16	98
Pervious Area, ac	10.59	80	3.43	80
CN	80.0		89.7	
Attenuation Volume-25yr24hr				
Precipitation	8.00		8.00	
Potential Maximum Retention (S)	2.50		1.14	
Runoff Depth (Q), in	5.63		6.77	
Runoff Volume, acre-ft	6.21		7.47	
Volume Differential, acre-ft	**1.27**			
Treatment Volume				
0.5-in. (1ft./12 in.) x Total Area (ac.) = acre-ft			0.55	
Total Volume Required, acre-ft	**1.82**			

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirements	**Date:**	11/18/2016

POND ROW REQUIREMENTS - Alternate NB WIM

Existing Ground at Pond site =	21.00	NGVD (Estimated From GIS Topographic Information)
ELEV EXST EOP @ Low Point =	24.50	NGVD (Matches approximate low pavement from Permit No. 409592)
Elev SHW =	19.50	NGVD (Estimated From NRCS Soil Survey at 1.5-feet below grade) (Value also approximates SHWT El. In Permit No. 409592)

Water Quality Volume Re uired based on 0.5-inches over total site area	0.55	AC-FT.
Attenuation Volume	1.27	AC-FT.
Pond Area Based on treatment volume	1.38	AC
Assume 1 foot of pond freeboard	1.00	FT.
Treatment Depth	0.40	FT. < 1.5 ft - OK
Total Attenuation Depth based on Pond Area	0.92	FT.
Total Depth from SHWL to Top of Berm	**2.32**	**FT.**
Elev. Existing Ground For Dry Pond	22.00	NGVD
Top of Berm Elevation given a total depth =	24.32	NGVD
Unit Length Based on L/W = 2	347	FT.
Unit Width Based on L/W = 2	173	FT.
Maintenance Berm Width of 15-ft	30	FT.
Grade Adjustment Width Assumed 1:2	13	FT.
Horizontal Distance Based on a 1:4 Slope and total Depth	19	FT.
Total Pond Length (including maintenance berm and adjustments)	408	FT.
Total Pond Width (including maintenance berm and adjustments)	235	FT.
Preliminary Property Size Re uired	2.20	AC.
PROPERTY SIZE FOR TREATMENT & ATTENUATION	2.20	AC.
SHAPE AREA IS LOCATED WITHIN WIM FOOTPRINT	2.68	AC.

Note: NAVD88 + 1.1 = NGVD29 (Approximate). All GIS data increased by 1.1-feet to convert to NGVD29

APPENDIX C
Floodplain Impacts and Compensation Site Sizing

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Floodplain Comp	**Date:**	11/17/2016

SB-2 Rest Area			
	Area (ac.)	Depth (ft)	Volume (ac-ft)
Impact	6.74	2.6	17.52

SB-2 EXISTING GROUND/SHWT ELEVATIONS	
Floodplain Impact Area	
Floodplain Elev.	12.00'
Existing Ground Elev.	9.40'

SB-2 TOTAL COMP. REQ. = 17.52 ac.ft.

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirement	**Date:**	11/17/2016

Floodplain ROW REQUIREMENTS - Alternate SB 2

FEMA Floodplain Elevation at Comp Site	11.00	NGVD (Zone AE From FEMA Map)
Existing Ground at Comp Site	14.40	NGVD (Estimated From GIS Topographic Information)
Elev SHW =	6.50	NGVD based on SWFWMD Permit No. 43000164.038

Floodplain Impact	17.52	AC-FT.
FPC Site Bottom Area at SHWT	4.00	AC
Storage Depth	4.50	FT.
Unit Length Based on L/W = 2	590	FT.
Unit Width Based on L/W = 2	295	FT.
Horizontal Distance Based on a 1:4 Slope and Storage Depth	36	FT.
Total Pond Length (including grade adjustments)	626	FT.
Total Pond Width (including grade adjustments)	331	FT.
Top Area (including grade adjustments but no berms and no grading to existing grnd.)	4.76	AC.
Compensation Provided	19.71	ac.ft.
Maintenance Berm Width of 15-ft	30	FT.
Grading to Existing Ground	27.20	FT.
Total Pond Length (including maintenance berm)	683.52	FT
Total Pond Width (including maintenance berm)	388.36	FT
Preliminary Property Size Required	6.09	AC.
MINIMUM PROPERTY SIZE FOR FLOODPLAIN COMPENSATION	6.09	AC.

Note: The floodplain compensation site for this alternative is located north of Airport Road

Project Name: I-75 Rest Areas PD&E
Project Number: 104-0007-000
Task Description: Floodplain Comp

Prepared by: FAM
Checked by: RMG
Date: 11/17/2016

NB-2 Rest Area (Impact from Proposed Footprint)			
	Area (ac.)	Depth (ft)	Volume (ac-ft)
Impact	11.41	2.00	22.82

NB-2 Rest Area (Impact from Existing Floodplain Comp.)			
	Area (ac.)	Depth (ft)	Volume (ac-ft)
Impact	4.11	1.50	6.17

NB-2 EXISTING GROUND/SHWT ELEVATIONS	
Floodplain Impact Area	
Floodplain Elev.	10.50'
Existing Ground Elev.	8.50'

NB-2 TOTAL COMP. REQ. =	28.99 ac.ft.

Note: The impact to the existing permitted floodplain compensation site is based on a SHWT Elev. of 6.5 and an existing ground elevation of 8.5. These variables were taken from the existing permitted plansheets.

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirement	**Date:**	11/17/2016

FLOODPLAIN ROW REQUIREMENTS - Alternate NB 2

FEMA Floodplain Elevation	10.50	NGVD (Estimated From FEMA Map)
Existing Ground at Comp Site	10.50	NGVD (Estimated From GIS Topographic Information)
Elev SHW =	6.50	NGVD based on SWFWMD Permit No. 43000164.038

Floodplain Impact	28.99	AC-FT.
FPC Site Bottom Area at SHWT	6.81	AC
Storage Depth	4.00	FT.
Unit Length Based on L/W = 2	770	FT.
Unit Width Based on L/W = 2	385	FT.
Horizontal Distance Based on a 1:4 Slope and Storage Depth	32	FT.
Total Pond Length (including grade adjustments)	802	FT.
Total Pond Width (including grade adjustments)	417	FT.
Total Area (including grade adjustments but no berms)	7.68	AC.
Compensation Provided	28.99	AC.FT.
Maintenance Berm Width of 15-ft	30	FT.
Total Pond Length (including maintenance berm)	832.31	FT.
Total Pond Width (including maintenance berm)	447.15	FT.
Preliminary Property Size Required	8.54	AC.
MINIMUM PROPERTY SIZE FOR FLOODPLAIN COMPENSATION	8.54	AC.

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Floodplain Comp	**Date:**	11/17/2016

NB-2B Rest Area			
	Area (ac.)	Depth (ft)	Volume (ac-ft)
Impact	9.35	1.1	10.29

NB-2B EXISTING GROUND/SHWT ELEVATIONS	
Floodplain Impact Area	
Floodplain Elev.	12.00'
Existing Ground Elev.	10.90'

NB-2B TOTAL COMP. REQ. = 10.29 ac.ft.

Note: The floodplain compensation site for this alternative is located north of Airport Road

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirement	**Date:**	11/17/2016

FLOODPLAIN ROW REQUIREMENTS - Alternate NB 2B

FEMA Floodplain Elevation	11.00	NGVD (Zone AE From FEMA Map)
Existing Ground at Comp Site	10.50	NGVD (Estimated From GIS Topographic Information)
Elev SHW =	6.50	NGVD based on SWFWMD Permit No. 43000164.038

Floodplain Impact	10.29	AC-FT.
FPC Site Bottom Area at SHWT	2.40	AC
Storage Depth	4.00	FT.
Unit Length Based on L/W = 2	457	FT.
Unit Width Based on L/W = 2	229	FT.
Horizontal Distance Based on a 1:4 Slope and Storage Depth	32	FT.
Total Pond Length (including grade adjustments)	489	FT.
Total Pond Width (including grade adjustments)	261	FT.
Top Area (including grade adjustments but no berms)	2.93	AC.
Compensation Provided	10.65	AC.FT.
Maintenance Berm Width of 15-ft	30	FT.
Total Pond Length (including maintenance berm)	519.26	
Total Pond Width (including maintenance berm)	290.63	
Preliminary Property Size Required	3.46	AC.
MINIMUM PROPERTY SIZE FOR FLOODPLAIN COMPENSATION	3.46	AC.

Project Name: I-75 Rest Areas PD&E
Project Number: 104-0007-000
Task Description: Floodplain Comp

Prepared by: FAM
Checked by: RMG
Date: 11/17/2016

NB WIM Rest Area			
	Area (ac.)	Depth (ft)	Volume (ac-ft)
Impact	6.97	0.70	4.88

NB-WIM EXISTING GROUND/SHWT ELEVATIONS	
Floodplain Impact Area	
Floodplain Elev.	20.70'
Existing Ground Elev.	20.00'

NB-WIM TOTAL COMP. REQ. = 4.88 ac.ft.

Project Name:	I-75 Rest Areas PD&E	**Prepared by:**	FAM
Project Number:	104-0007-000	**Checked by:**	RMG
Task Description:	Estimation of ROW Re uirement	**Date:**	11/17/2016

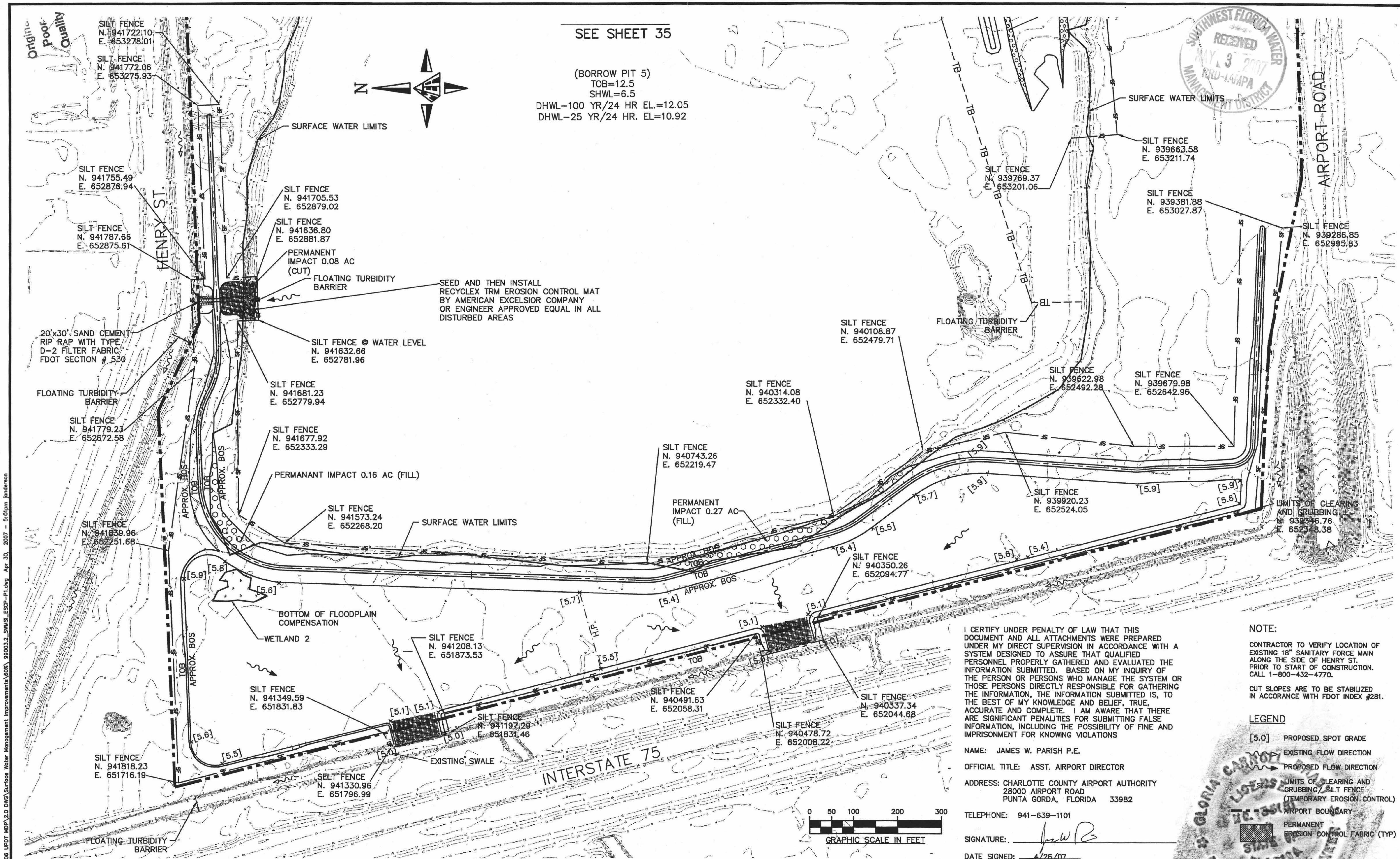
FLOODPLAIN ROW REQUIREMENTS - Alternate NB WIM

FEMA Floodplain Elevation	20.70	NGVD (Zone A Estimated From FEMA Map)
Existing Ground at Comp Site	21.00	NGVD (Estimated From GIS Topographic Information)
Elev SHW =	19.50	NGVD NGVD (Estimated From NRCS Soil Survey)

Floodplain Impact	4.88	AC-FT.
FPC Site Bottom Area at SHWT	3.30	AC
Storage Depth	1.50	FT.
Unit Length Based on L/W = 2	536	FT.
Unit Width Based on L/W = 2	268	FT.
Horizontal Distance Based on a 1:4 Slope and Storage Depth	12	FT.
Total Pond Length (including grade adjustments)	548	FT.
Total Pond Width (including grade adjustments)	280	FT.
Top Area (including grade adjustments but no berms)	3.52	AC.
Compensation Provided	5.12	ac.ft.
Maintenance Berm Width of 15-ft	30	FT.
Total Pond Length (including maintenance berm)	578.19	
Total Pond Width (including maintenance berm)	310.09	
Preliminary Property Size Required	4.12	AC.
MINIMUM PROPERTY SIZE FOR FLOODPLAIN COMPENSATION	4.12	AC.

Note: Compensation site at higher elevation than location where impacts occur

APPENDIX D
Excerpts from Existing Permits



I CERTIFY UNDER PENALTY OF LAW THAT THIS DOCUMENT AND ALL ATTACHMENTS WERE PREPARED UNDER MY DIRECT SUPERVISION IN ACCORDANCE WITH A SYSTEM DESIGNED TO ASSURE THAT QUALIFIED PERSONNEL PROPERLY GATHERED AND EVALUATED THE INFORMATION SUBMITTED. BASED ON MY INQUIRY OF THE PERSON OR PERSONS WHO MANAGE THE SYSTEM OR THOSE PERSONS DIRECTLY RESPONSIBLE FOR GATHERING THE INFORMATION, THE INFORMATION SUBMITTED IS, TO THE BEST OF MY KNOWLEDGE AND BELIEF, TRUE, ACCURATE AND COMPLETE. I AM AWARE THAT THERE ARE SIGNIFICANT PENALTIES FOR SUBMITTING FALSE INFORMATION, INCLUDING THE POSSIBILITY OF FINE AND IMPRISONMENT FOR KNOWING VIOLATIONS

NAME: JAMES W. PARISH P.E.

OFFICIAL TITLE: ASST. AIRPORT DIRECTOR

ADDRESS: CHARLOTTE COUNTY AIRPORT AUTHORITY
28000 AIRPORT ROAD
PUNTA GORDA, FLORIDA 33982

TELEPHONE: 941-639-1101

SIGNATURE: ____________

DATE SIGNED: 4/26/07

NOTE:

CONTRACTOR TO VERIFY LOCATION OF EXISTING 18" SANITARY FORCE MAIN ALONG THE SIDE OF HENRY ST. PRIOR TO START OF CONSTRUCTION. CALL 1-800-432-4770.

CUT SLOPES ARE TO BE STABILIZED IN ACCORDANCE WITH FDOT INDEX #281.

LEGEND

- [5.0] PROPOSED SPOT GRADE
- EXISTING FLOW DIRECTION
- PROPOSED FLOW DIRECTION
- LIMITS OF CLEARING AND GRUBBING/SILT FENCE (TEMPORARY EROSION CONTROL)
- AIRPORT BOUNDARY
- PERMANENT EROSION CONTROL FABRIC (TYP)

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT RECEIVED MAY 3 2007 ERP-TAMPA

GLORIA CARROLL GEIGER STATE OF FLORIDA PROFESSIONAL ENGINEER

MEA GROUP, INC.
CONSULTING ENGINEERS AND PLANNERS
9015 TOWN CENTER PARKWAY, SUITE 105
LAKEWOOD RANCH, FLORIDA 34202
PHONE: 941 342-6321
FAX NO.: 941 379-6474
EB-0006170

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION
4/24/07	JEA	REVISED PER SWFWMD COMMENTS 4/13/07			

SCALE	AS SHOWN	
DESIGNED	GB	6/25/06
DRAWN	JEA	6/25/06
CHECKED	GCB	6/25/06

CLIENT: CHARLOTTE COUNTY AIRPORT AUTHORITY

PROJECT NO. 99003.2

PROJECT NAME: *SURFACE WATER MANAGEMENT SYSTEM IMPROVEMENTS*

SHEET NAME: SURFACE STORMWATER MANAGEMENT PLAN

APPROVAL: GLORIA C. BRADY, REGISTERED ENGINEER NO. 35151, STATE OF FLORIDA — DATE 4-30-07

SHEET NO. 34

C:\PGD\99003.2_2006 UPDT MDP\2.0 DWG\Surface Water Management Improvements\60%\99003.2_SWMSI_ESCP-P1.dwg Apr 30, 2007 - 5:01pm jenderson

W.P.I. No. 1141032

FISCAL YEAR	SHEET NO.
92	1

THIS CONTRACT PLAN SET INCLUDES

SUMMARY OF PAY ITEMS (SHEETS)
ROADWAY PLANS
SIGNING AND PAVEMENT MARKING PLANS
SIGNALIZATION PLANS
WEIGH IN MOTION PLANS
ROADWAY LIGHTING PLANS
BUILDING RENOVATIONS
LIGHTNING PROTECTION PLANS

A DETAILED INDEX APPEARS ON THE KEY SHEET OF EACH GROUP OF PLANS.

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

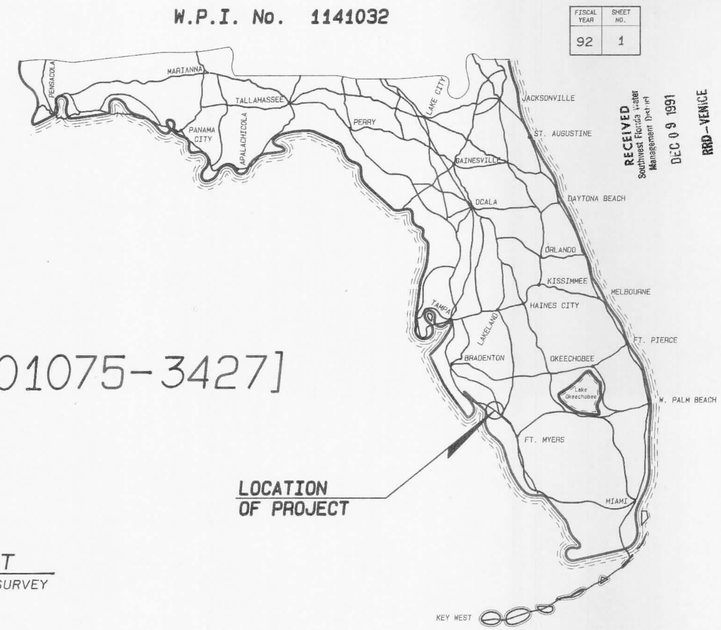
PLANS OF PROPOSED

STATE HIGHWAY

F.A.PROJ.No.IR-75-5(56)159 [STATE PROJ.No.01075-3427]

CHARLOTTE COUNTY

I-75 PUNTA GORDA WEIGH STATION



RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

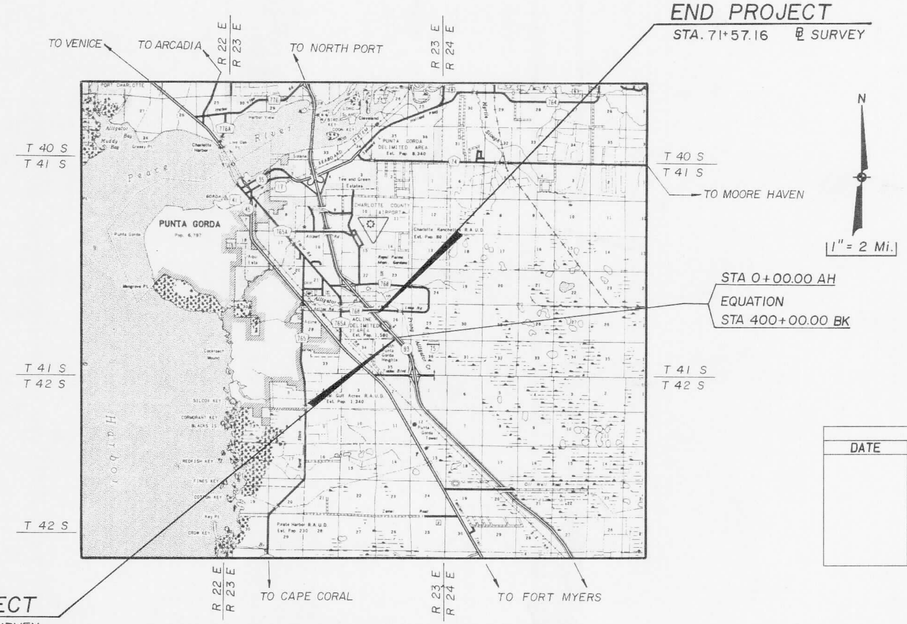
INDEX OF ROADWAY PLANS

SHEET NO.	SHEET DESCRIPTION
1	KEY SHEET
2	DRAINAGE MAP
3-5	TYPICAL SECTIONS
—	SUMMARY OF QUANTITIES
—	SUMMARY OF DRAINAGE STRUCTURES
6-15	PLAN AND PROFILES
16-17	SPECIAL PROFILES
18-19	SUPERELEVATION PROFILES
20-25	DRAINAGE STRUCTURES
26-29	JOINT DETAILS
30	DRAINAGE DETAILS.
—	ROADWAY DETAILS
—	SOIL SURVEY
31-59	CROSS SECTIONS
—	TRAFFIC CONTROL PLANS
—	UTILITY ADJUSTMENTS

ROADWAY AND TRAFFIC DESIGN STANDARDS (BOOKLET DATED JANUARY, 1990)

INDEX NO.

001	300
002	302
102	305
104	400
105	415
200	451
201	500
205	505
211	510
231	511
232	513
272	517
273	525
280	600
281	610
286	611
290	613
	630



LENGTH OF PROJECT		
	LIN. FT.	MILES
ROADWAY	7218.85	1.367
BRIDGES	0.00	0.000
NET LENGTH OF PROJECT	7218.85	1.367
EXCEPTIONS	0.00	0.000
GROSS LENGTH OF PROJECT	7218.85	1.367

PROJECT MANAGER H. MICHAEL DOWELL

REVISIONS		
DATE	BY	DESCRIPTION

PLANS ENGINEER OF RECORD
WILLIAM F. BIGGS, P.E.
BOYLE ENGINEERING CORPORATION OF FLORIDA
5912-A BRECKENRIDGE PARKWAY
TAMPA, FLORIDA 33610
(813) 621-7900

ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN REDUCED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

GOVERNING SPECIFICATIONS: STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, DATED 1991 AND SUPPLEMENTS THERETO IF NOTED IN THE SPECIAL PROVISIONS FOR THIS PROJECT.

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWING

ROADWAY PLANS APPROVED BY: [signature]
DATE: 12/9/91
P.E. NO: 39406

FILE OF RECORD
PERMIT NO. 409592.00

Imaged As is

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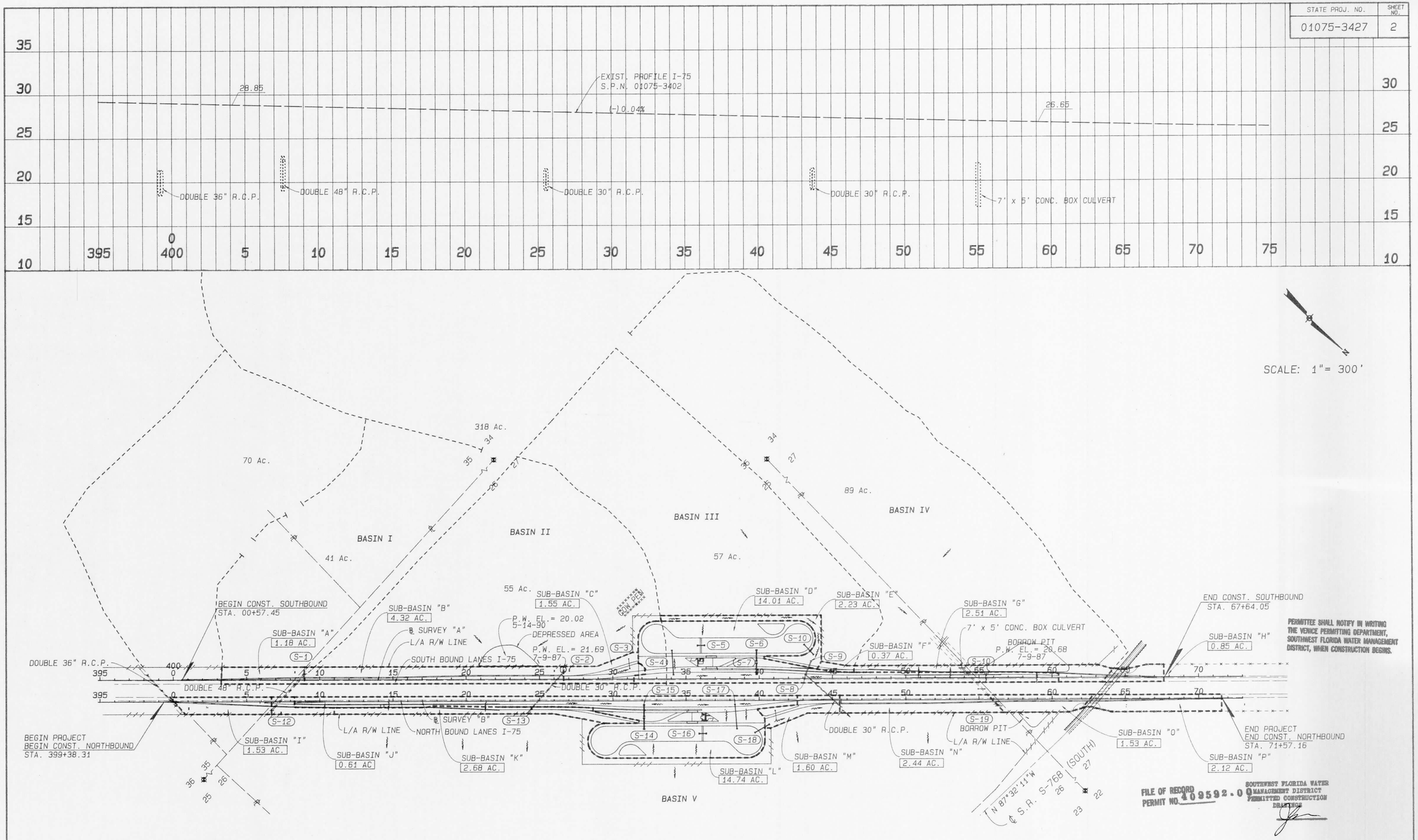
1

STATE PROJ. NO.	SHEET NO.
01075-3427	2



REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

DR-MAP.DP	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	12-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY _____ DATE 3-6-92

Boyle Engineering Corporation of Florida
5512-A Brockenridge Parkway, Tampa, FL 33610-4051 813/621-7300

DRAINAGE MAP I-75

Imaged As is

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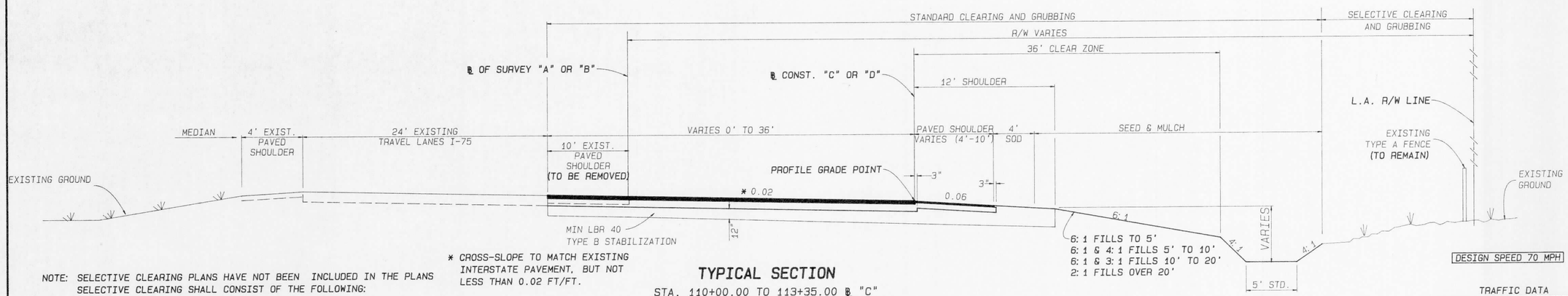
2

STATE PROJ. NO.	SHEET NO.
01075-3427	3



NOTE: SELECTIVE CLEARING PLANS HAVE NOT BEEN INCLUDED IN THE PLANS SELECTIVE CLEARING SHALL CONSIST OF THE FOLLOWING:

1. ALL AREAS OUTSIDE OF THE LIMITS OF CONSTRUCTION SHALL REMAIN NATURAL. NO CLEARING OR GRUBBING WILL BE ALLOWED. NO EQUIPMENT SHALL ENTER THESE AREAS.
2. AS ON EXCEPTION TO THE ABOVE, A TEN FOOT STRIP MAY BE CLEARED FOR FENCE CONSTRUCTION, AND AT A MINIMUM OF 500' INTERALS A DIAGONAL PATH MAY BE CLEARED TO ALLOW ACCESS FOR FENCE CONSTRUCTION.
3. WHERE UNFORESEEN SITE CONDITIONS EXIST, ADJUSTMENTS OR OTHER EXCEPTIONS MAY BE MADE, BUT ONLY AT THE DIRECTION OF THE ENGINEER.

* CROSS-SLOPE TO MATCH EXISTING INTERSTATE PAVEMENT, BUT NOT LESS THAN 0.02 FT/FT.

TYPICAL SECTION

STA. 110+00.00 TO 113+35.00 ℄ "C"
STA. 110+00.00 TO 150+53.99 ℄ "C"
STA. 110+00.00 TO 119+00.00 ℄ "D"
STA. 153+30.00 TO 156+19.42 ℄ "D"
STA. 00+57.45 TO 26+62.64 ℄ "A"
STA. 45+53.15 TO 71+57.16 ℄ "B"

OPTIONAL BASE GROUP 9 (FOR THICKNESS SEE BELOW)
WITH TYPE S STRUCTURAL COURSE (4") AND FRICTION COURSE FC-2 (5/8")

DESIGN SPEED 70 MPH

TRAFFIC DATA

1990 ADT = 31593
1994 ADT = 34385
2003 ADT = 40667
2013 ADT = 47647
K = 12% D = 50% T = 14%

BASE GROUP 1

OPTIONAL BASE COURSES PERMITTED	OPTION CODE
4" LIMEROCK	001
4" ASPHALT BASE COURSE (TYPE 1)	005
4" ASPHALT BASE COURSE (TYPE 2)	006
4" ASPHALT BASE COURSE (TYPE 3)	007

BASE GROUP 9

OPTIONAL BASE COURSES PERMITTED	OPTION CODE
10" LIMEROCK BASE COURSE	990
6" ASPHALT BASE COURSE (TYPE 3)	327

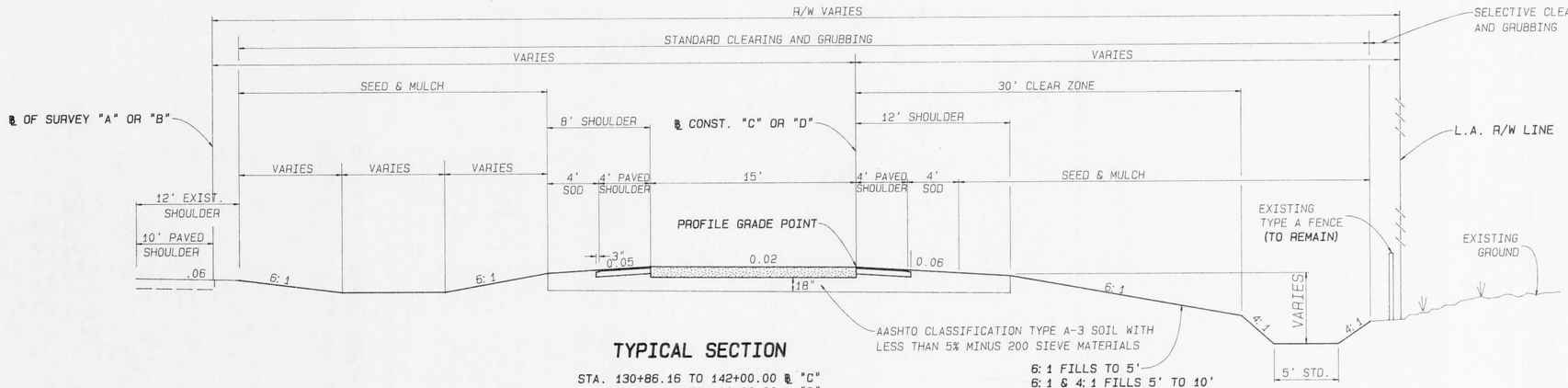
PAVED SHOULDER
OPTIONAL BASE GROUP 1 (FOR THICKNESS SEE BELOW)
WITH TYPE S STRUCTURAL COURSE (2")
AND FRICTION COURSE FC-2 (5/8")

FOR ADDITIONAL DETAILS SEE INDEX NOS. 105, 281, 500 , 505, 513 & 525

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWING

FILE OF RECORD PERMIT NO. 409592.00



TYPICAL SECTION

STA. 130+86.16 TO 142+00.00 ℄ "C"
STA. 119+00.00 TO 132+88.92 ℄ "D"

PLAIN CEMENT CONCRETE PAVEMENT (13.5")
FOR JOINT LOCATIONS AND EDGE DRAIN DETAILS SEE SHEET

PAVED SHOULDER
OPTIONAL BASE GROUP 1 (FOR THICKNESS SEE ABOVE)
WITH TYPE S STRUCTURAL COURSE (2")
AND FRICTION COURSE FC-2 (5/8")

DESIGN SPEED 50 MPH

FOR ADDITIONAL DETAILS SEE INDEX NOS. 105, 281, 305, 500, 505 & 513

TYPICAL SECTION NOTES:

1. ALL GRASS AREAS ARE TO RECEIVE A 6" MUCK BLANKET OR TOPSOIL TREATMENT.
2. NONE OF THE EXISTING LIMEROCK BASE THAT IS REMOVED IS TO BE USED IN THE CONSTRUCTION OF THE NEW LIMEROCK BASE.
3. ALL OF THE EXISTING LIMEROCK BASE THAT IS REMOVED IS TO BE INCORPORATED IN THE STABILIZED PORTION OF THE SUBGRADE, UNDER THE ASPHALT PAVEMENT ONLY.
4. THE CONTRACTOR SHOULD IDENTIFY THE 'PROPOSED' OPTION ON WHICH HIS INITIAL BID IS BASED BY ENTERING THE THREE DIGIT OPTION CODE TO THE RIGHT SIDE OF THE ITEM NUMBER OF EACH OF THE OPTIONAL BASE ITEMS ON THE SUBMITTED BID PROPOSAL.
5. ACTUAL WIDTH OF BASE WIDENING MAY VARY DUE TO ACTUAL EXISTING PAVEMENT WIDTH. CONTRACTOR MAY ELECT TO PLACE UNIFORM WIDTH BASE WIDENING STRIP AT NO ADDITIONAL COST.
6. TRAFFIC SHALL BE MAINTAINED IN ACCORDANCE WITH THE FDOT ROADWAY AND TRAFFIC DESIGN STANDARDS CURRENT EDITION. ATTENTION IS DIRECTED TO THE INDEX 600 SERIES

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

TYP-1	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	9-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE 12/6/91

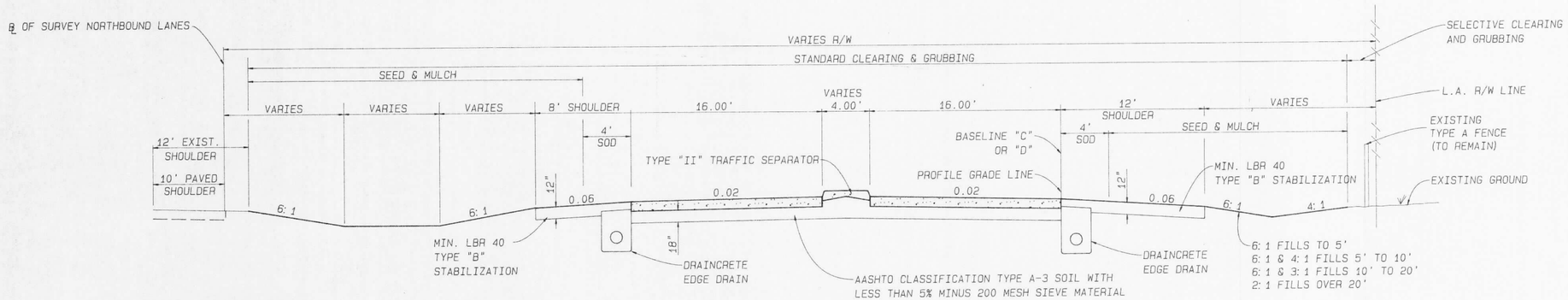
Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4261 813/621-7900

TYPICAL SECTION I-75

409592 .00

3

STATE PROJ. NO.	SHEET NO.
01075-3427	4

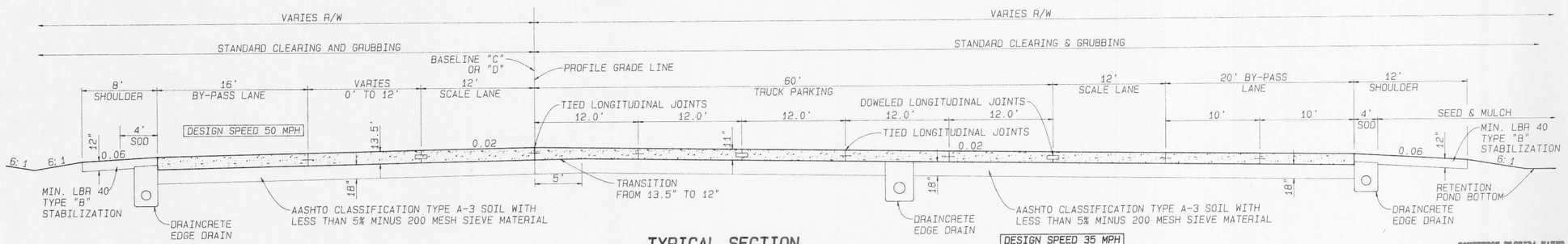


TYPICAL SECTION

STA 119+45.00 TO 130+86.16 BASELINE "A"
STA 132+88.92 TO 146+70.00 BASELINE "B"

DESIGN SPEED 50 MPH

PLAIN CEMENT CONCRETE PAVEMENT (11")
FOR JOINT LOCATIONS AND EDGE DRAIN DETAILS SEE SHEET
FOR ADDITIONAL DETAILS SEE INDEX NOS. 105, 281, 305, 500, & 505



TYPICAL SECTION

STA 113+35.00 TO 119+45.00 BASELINE "A"
STA 146+70.00 TO 153+30.00 BASELINE "B"

DESIGN SPEED 35 MPH

PLAIN CEMENT CONCRETE PAVEMENT (11")
FOR JOINT LOCATIONS AND EDGE DRAIN DETAILS SEE SHEET
FOR ADDITIONAL DETAILS SEE INDEX NOS. 105, 281, 305, 500, & 505

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD
PERMIT NO. 409592.00

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

TYP-2	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	9-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 9/6/91

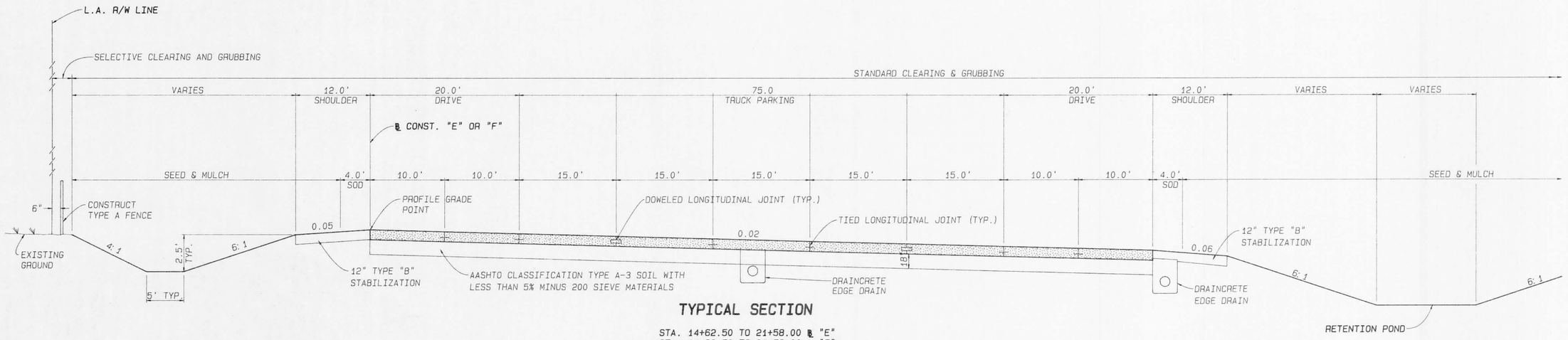
Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

TYPICAL SECTION
I-75

409592 .00

4

STATE PROJ. NO.	SHEET NO.
01075-3427	5

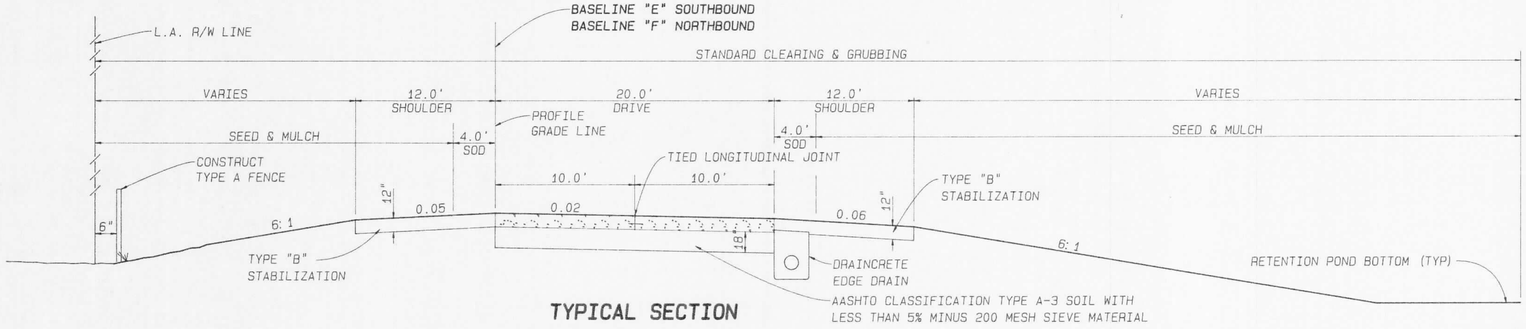


TYPICAL SECTION

STA. 14+62.50 TO 21+58.00 ℄ "E"
STA. 14+62.50 TO 21+58.00 ℄ "F"

DESIGN SPEED 25 MPH

PLAIN CEMENT CONCRETE PAVEMENT (11")
FOR JOINT LOCATIONS AND EDGE DRAIN DETAILS SEE SHEET
FOR ADDITIONAL DETAILS SEE INDEX NOS. 105, 281, 305, 500, & 505



TYPICAL SECTION

REAR PARKING AREA

STA 11+93.00 TO 14+62.50 BASELINE "E"
STA 21+58.00 TO 30+40.00 BASELINE "E"
STA 11+93.00 TO 14+62.50 BASELINE "F"
STA 21+58.00 TO 30+40.00 BASELINE "F"

DESIGN SPEED 25 MPH

PLAIN CEMENT CONCRETE PAVEMENT (11")
FOR JOINT LOCATIONS AND EDGE DRAIN DETAILS SEE SHEET
FOR ADDITIONAL DETAILS SEE INDEX NOS. 105, 281, 305, 500, & 505

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWING

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD PERMIT NO. 409592.00

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

TYP-3	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	9-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 9/6/91

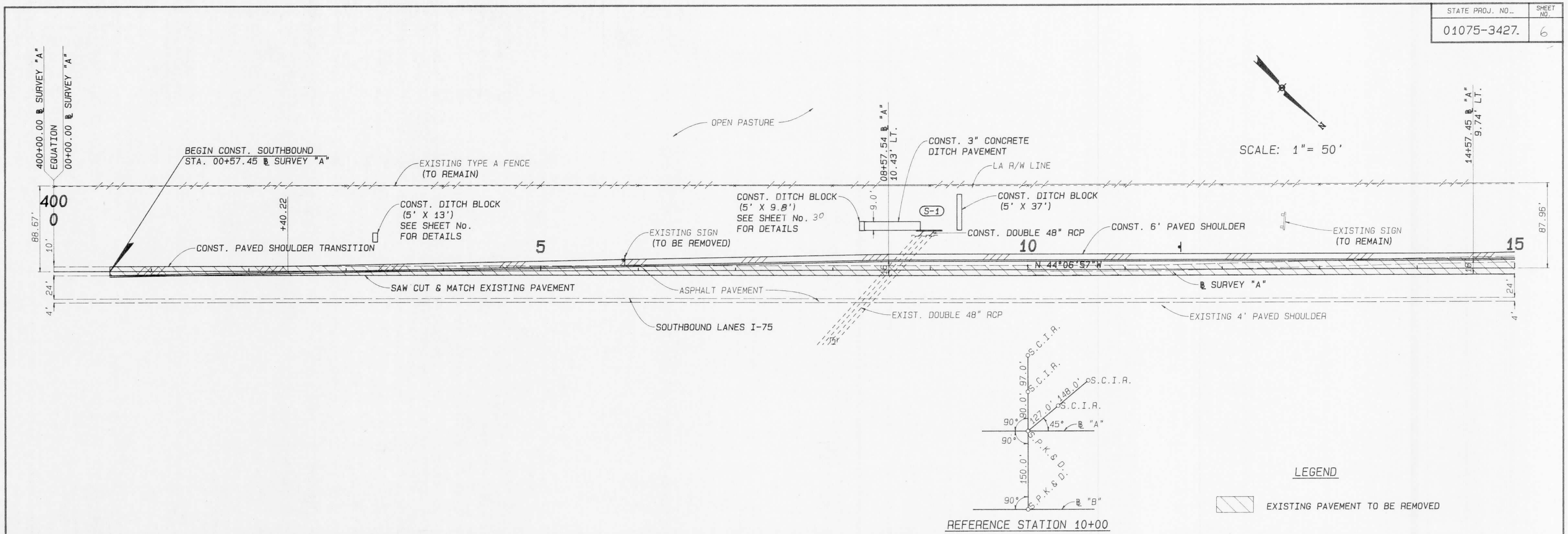
Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4261 813/621-7900

TYPICAL SECTION I-75

409592 · 00

5

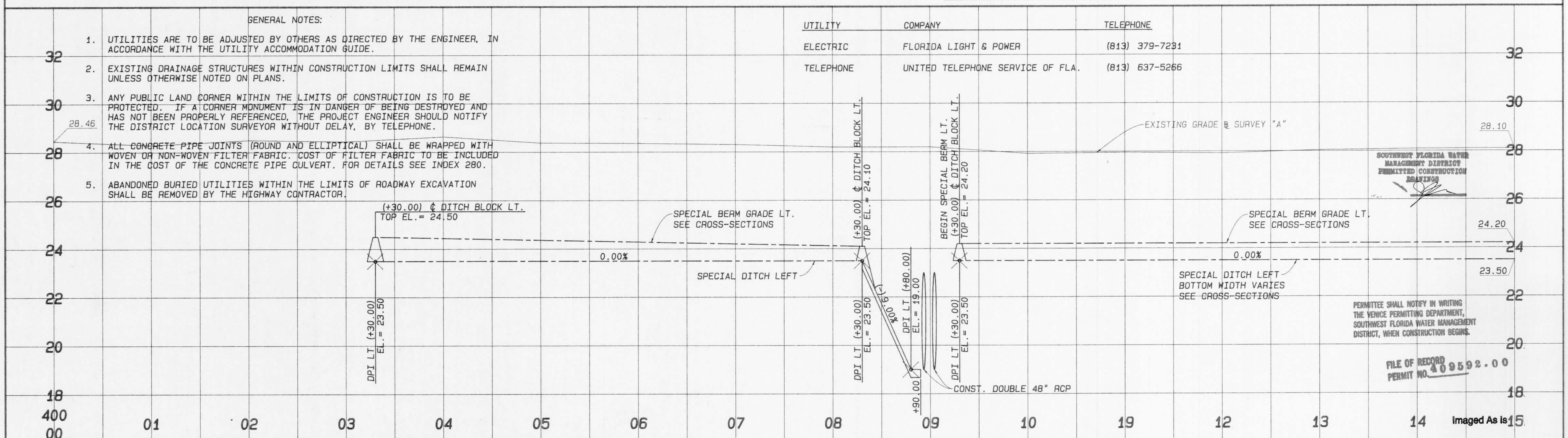
STATE PROJ. NO.	SHEET NO.
01075-3427.	6



GENERAL NOTES:

1. UTILITIES ARE TO BE ADJUSTED BY OTHERS AS DIRECTED BY THE ENGINEER, IN ACCORDANCE WITH THE UTILITY ACCOMMODATION GUIDE.
2. EXISTING DRAINAGE STRUCTURES WITHIN CONSTRUCTION LIMITS SHALL REMAIN UNLESS OTHERWISE NOTED ON PLANS.
3. ANY PUBLIC LAND CORNER WITHIN THE LIMITS OF CONSTRUCTION IS TO BE PROTECTED. IF A CORNER MONUMENT IS IN DANGER OF BEING DESTROYED AND HAS NOT BEEN PROPERLY REFERENCED, THE PROJECT ENGINEER SHOULD NOTIFY THE DISTRICT LOCATION SURVEYOR WITHOUT DELAY, BY TELEPHONE.
4. ALL CONCRETE PIPE JOINTS (ROUND AND ELLIPTICAL) SHALL BE WRAPPED WITH WOVEN OR NON-WOVEN FILTER FABRIC. COST OF FILTER FABRIC TO BE INCLUDED IN THE COST OF THE CONCRETE PIPE CULVERT. FOR DETAILS SEE INDEX 280.
5. ABANDONED BURIED UTILITIES WITHIN THE LIMITS OF ROADWAY EXCAVATION SHALL BE REMOVED BY THE HIGHWAY CONTRACTOR.

UTILITY	COMPANY	TELEPHONE
ELECTRIC	FLORIDA LIGHT & POWER	(813) 379-7231
TELEPHONE	UNITED TELEPHONE SERVICE OF FLA.	(813) 637-5266



SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD PERMIT NO. 409592.00

Imaged As Is

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SB1	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	8-91	DRAWN BY	S.WEBSTER	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY: DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

PLAN AND PROFILE SOUTHBOUND I-75

STATE PROJ. NO.	SHEET NO.
01075-3427	7

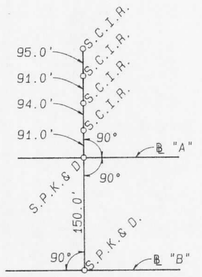
LEGEND

EXISTING PAVEMENT TO BE REMOVED

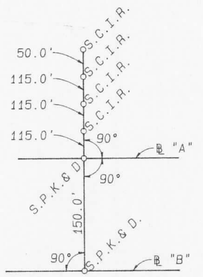
SCALE: 1"= 50'

BORROW PIT
PRESENT WATER EL. = 19.78
(5-14-90)

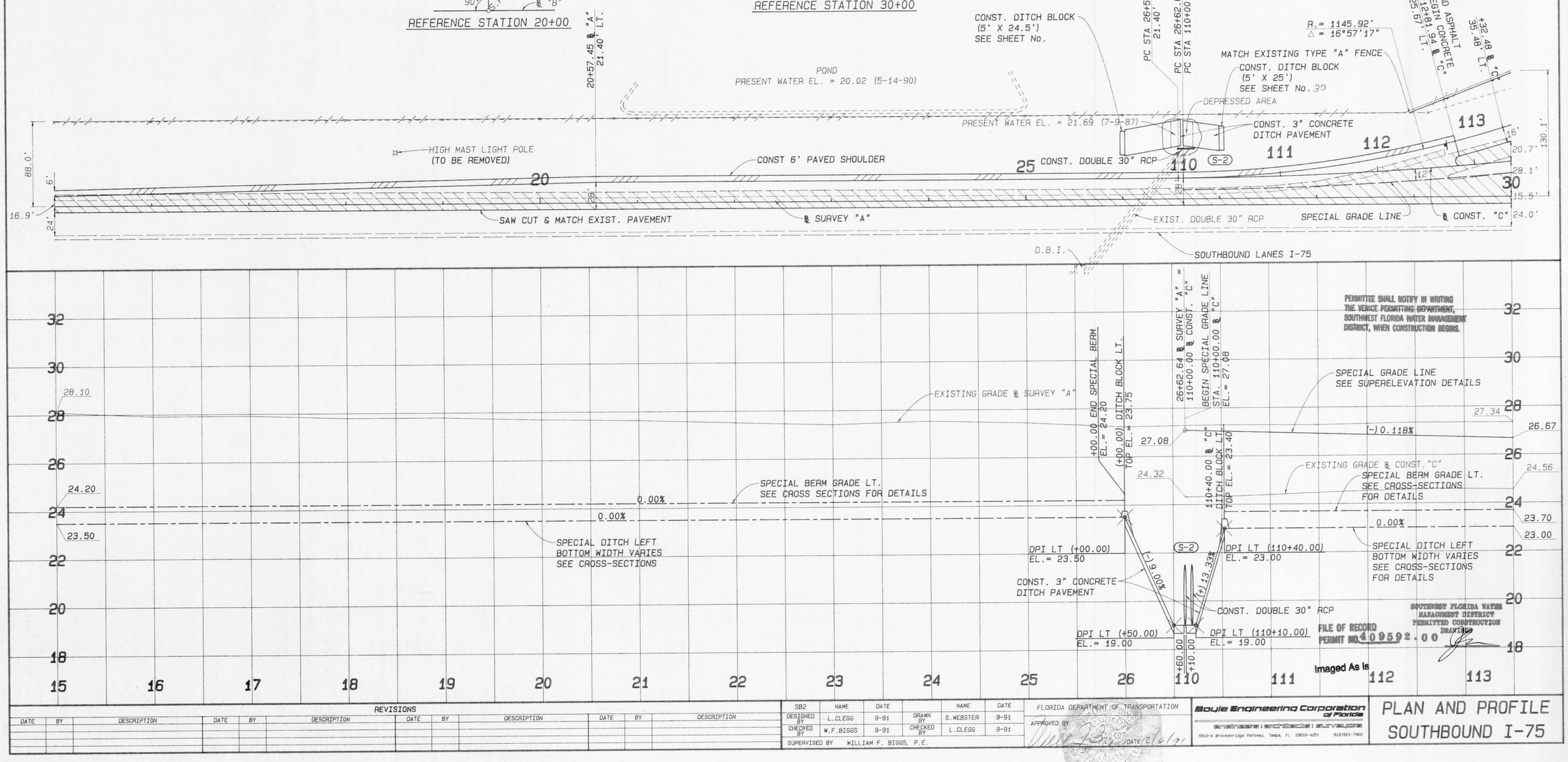
℄ CONST. "C"
PI STA. 112+00.76
△ = 06°01'02"
D = 01°30'00"
T = 200.76'
L = 401.15'
R = 3819.72'
e = 0.032%
PC STA. 110+00.00
PT STA. 114+01.15



REFERENCE STATION 20+00



REFERENCE STATION 30+00



SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWING
FILE OF RECORD
PERMIT NO. 409592.00

Imaged As Is

REVISIONS												
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SB2	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	9-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

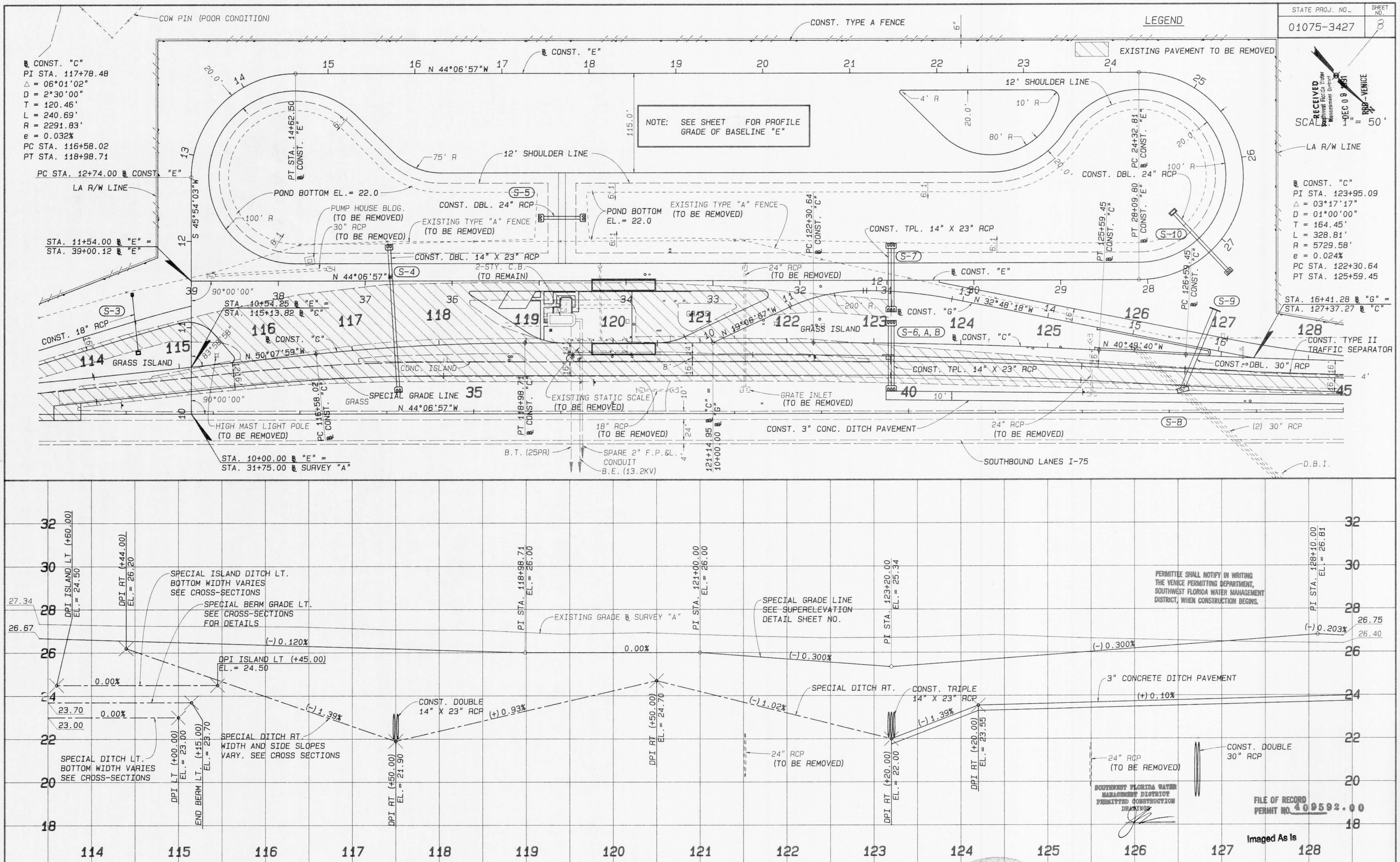
FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 2/6/92

Boyle Engineering Corporation of Florida
ENGINEERS | PLANNERS | SURVEYORS
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

PLAN AND PROFILE SOUTHBOUND I-75

409592 .00

7


STATE PROJ. NO. 01075-3427
SHEET NO. 8
LEGEND
EXISTING PAVEMENT TO BE REMOVED
SCALE: 1" = 50'
COW PIN (POOR CONDITION)
CONST. TYPE A FENCE
℄ CONST. "C"
PI STA. 117+78.48
Δ = 06°01'02"
D = 2°30'00"
T = 120.46'
L = 240.69'
R = 2291.83'
e = 0.032%
PC STA. 116+58.02
PT STA. 118+98.71
PC STA. 12+74.00 ℄ CONST. "E"
LA R/W LINE
NOTE: SEE SHEET FOR PROFILE GRADE OF BASELINE "E"
12' SHOULDER LINE
POND BOTTOM EL.= 22.0
PUMP HOUSE BLDG. (TO BE REMOVED)
30" RCP (TO BE REMOVED)
EXISTING TYPE "A" FENCE (TO BE REMOVED)
CONST. DBL. 24" RCP
CONST. DBL. 14" X 23" RCP
CONST. TPL. 14" X 23" RCP
2-STY. C.B. (TO REMAIN)
24" RCP (TO BE REMOVED)
STA. 11+54.00 ℄ "E" = STA. 39+00.12 ℄ "E"
STA. 10+54.25 ℄ "E" = STA. 115+13.82 ℄ "C"
N 44°06'57"W
N 50°07'59"W
N 19°06'57"W
N 32°48'18"W
N 40°49'40"W
S 45°54'03"W
GRASS ISLAND
CONC. ISLAND
SPECIAL GRADE LINE
EXISTING STATIC SCALE (TO BE REMOVED)
18" RCP (TO BE REMOVED)
GRATE INLET (TO BE REMOVED)
CONST. 3" CONC. DITCH PAVEMENT
SOUTHBOUND LANES I-75
HIGH MAST LIGHT POLE (TO BE REMOVED)
STA. 10+00.00 ℄ "E" = STA. 31+75.00 ℄ SURVEY "A"
B.T. (25PR)
SPARE 2" F.P.&L. CONDUIT
B.E. (13.2KV)
℄ CONST. "C"
PI STA. 123+95.09
Δ = 03°17'17"
D = 01°00'00"
T = 164.45'
L = 328.81'
R = 5729.58'
e = 0.024%
PC STA. 122+30.64
PT STA. 125+59.45
STA. 16+41.28 ℄ "G" = STA. 127+37.27 ℄ "C"
CONST. TYPE II TRAFFIC SEPARATOR
CONST. DBL. 30" RCP
(2) 30" RCP
D.B.I.
SPECIAL ISLAND DITCH LT. BOTTOM WIDTH VARIES SEE CROSS-SECTIONS
SPECIAL BERM GRADE LT. SEE CROSS-SECTIONS FOR DETAILS
DPI ISLAND LT (+60.00) EL.= 24.50
DPI RT (+44.00) EL.= 26.20
DPI ISLAND LT (+45.00) EL.= 24.50
DPI LT (+00.00) EL.= 23.00
END BERM LT. (+15.00) EL.= 23.70
SPECIAL DITCH LT. BOTTOM WIDTH VARIES SEE CROSS-SECTIONS
SPECIAL DITCH RT. WIDTH AND SIDE SLOPES VARY. SEE CROSS SECTIONS
CONST. DOUBLE 14" X 23" RCP
DPI RT (+50.00) EL.= 21.90
PI STA. 118+98.71 EL.= 26.00
EXISTING GRADE ℄ SURVEY "A"
DPI RT (+50.00) EL.= 24.70
PI STA. 121+00.00 EL.= 26.00
SPECIAL GRADE LINE SEE SUPERELEVATION DETAIL SHEET NO.
PI STA. 123+20.00 EL.= 25.34
SPECIAL DITCH RT.
CONST. TRIPLE 14" X 23" RCP
DPI RT (+20.00) EL.= 22.00
DPI RT (+20.00) EL.= 23.55
3" CONCRETE DITCH PAVEMENT
CONST. DOUBLE 30" RCP
PI STA. 128+10.00 EL.= 26.81
(-) 0.120%
0.00%
(-) 1.39%
(+) 0.93%
(-) 1.02%
(-) 0.300%
(+) 0.10%
(-) 0.203%

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

FILE OF RECORD PERMIT NO. 409592.00

Imaged As Is

RECEIVED DEC 09 1991 Southwest Florida Water Management District BRD-VENICE

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SB3	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	8-91	DRAWN BY	S.WEBSTER	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.CLEGG	8-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY ______ DATE 12/3/91

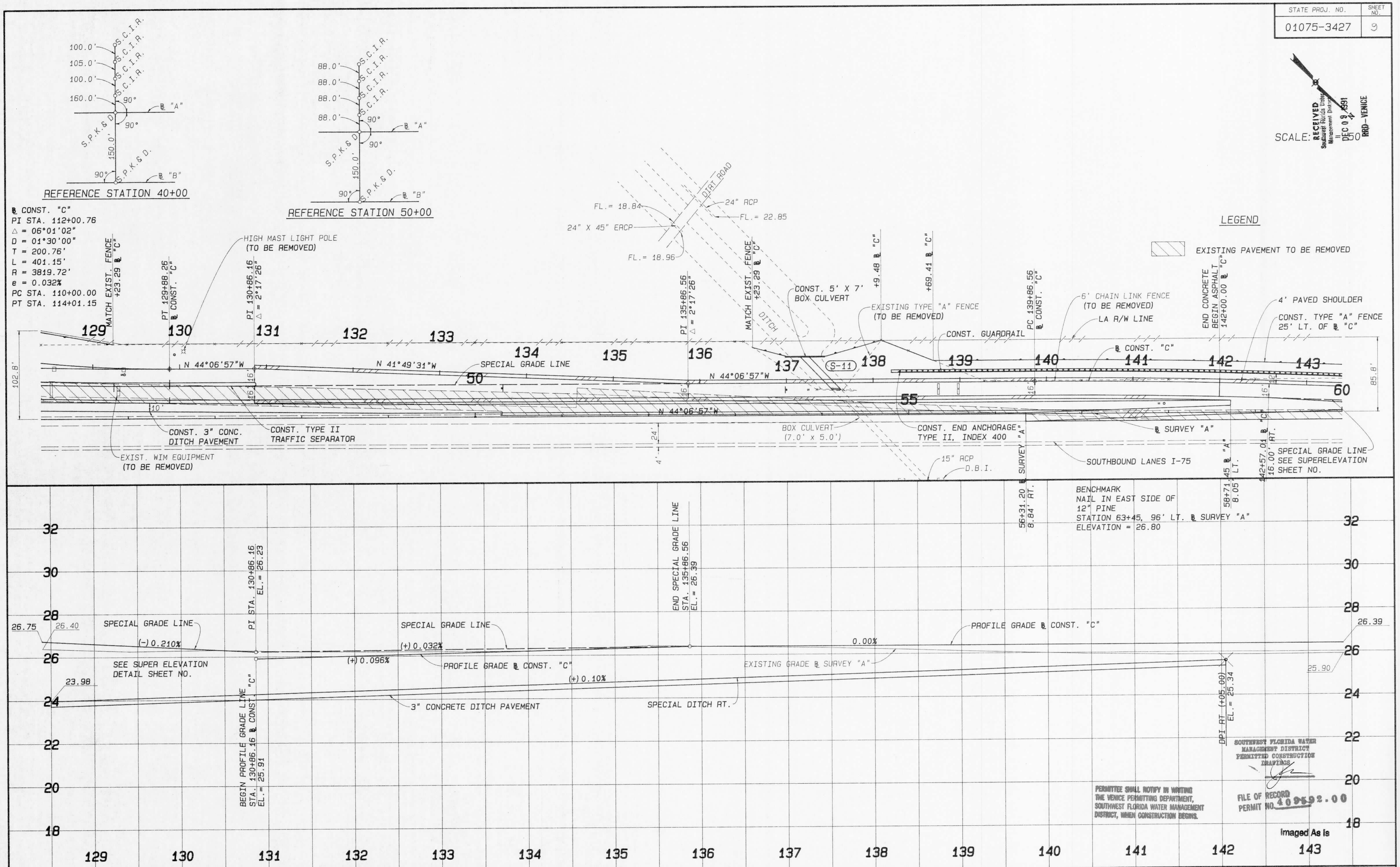
Boyle Engineering Corporation of Florida
engineers | architects | surveyors
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

PLAN AND PROFILE SOUTHBOUND I-75

409592 .00

<JUMBLE>TASK>M.BIGGS>WEIGH>PUNTA>S.SB4 SPOOLED BY WEBSTER ON 17 SEP 1991 AT 13:51:31

STATE PROJ. NO.	SHEET NO.
01075-3427	9



RECEIVED Southwest Florida Water Management District DEC 09 1991 BRD-VENICE

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD PERMIT NO. 409592.00

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SB4	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	8-91	DRAWN BY	S.WEBSTER	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

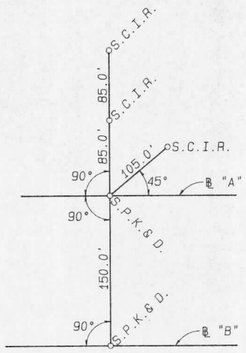
FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY ___ DATE

Boyle Engineering Corporation of Florida
engineers | architects | surveyors
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7800

PLAN AND PROFILE SOUTHBOUND I-75

409592 ·00

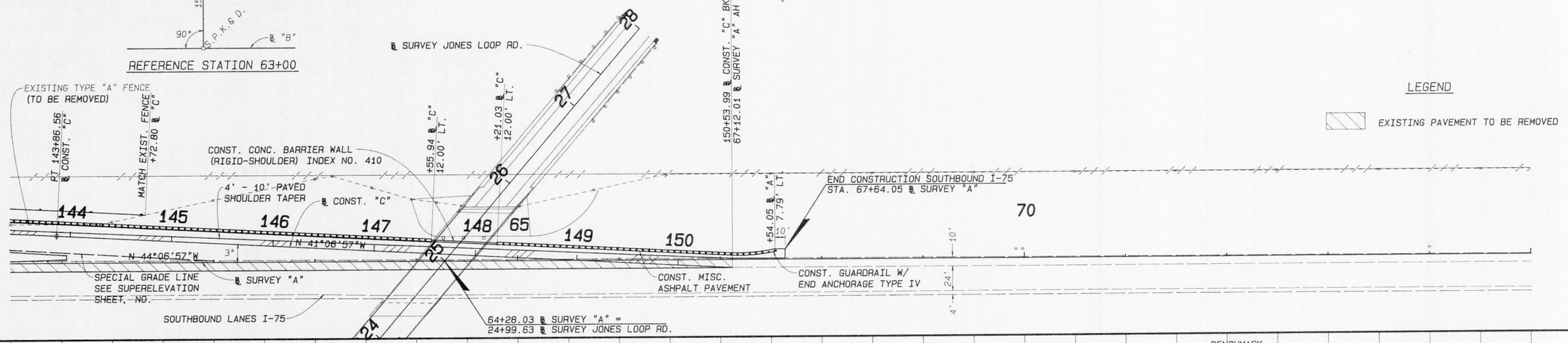
STATE PROJ. NO.	SHEET NO.
01075-3427	10

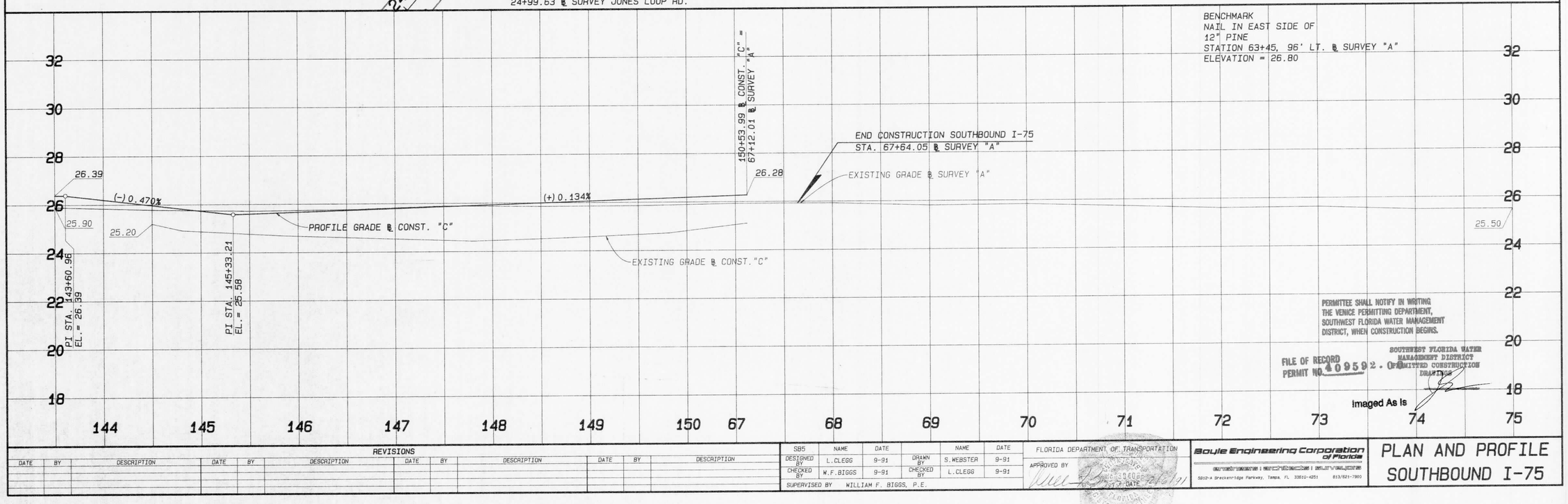


REFERENCE STATION 63+00

SCALE: 50'

RECEIVED
Southwest Florida Water Management District
DEC 06 1991
RRD-VENICE





PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD
PERMIT NO 409592 - PERMITTED CONSTRUCTION DRAWINGS
SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT

Imaged As Is

REVISIONS												
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

SBS	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	9-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY _____ DATE _____

Boyle Engineering Corporation of Florida
5812-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

PLAN AND PROFILE SOUTHBOUND I-75

409592 - 00

10

STATE PROJ. NO.	SHEET NO.
01075-3427	11

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

SCALE: 1" = 50'

BEGIN PROJECT
BEGIN CONSTRUCTION NORTHBOUND I-75
110+00.00 ℄ CONST. "D"

399+38.31 ℄ SURVEY "B" = 110+00.00 ℄ CONST. "D"
400+00.00 ℄ SURVEY "B" BK
EQUATION
0+00.00 ℄ SURVEY "B" AH

NORTHBOUND LANES I-75
SAW CUT AND MATCH EXISTING PAVEMENT
℄ SURVEY "B"
EXISTING SIGN (TO BE RELOCATED)
+83.71 ℄ CONST. "D", 19.0' LT.
+23.89 ℄ CONST. "D", 16.0' LT.
+90.12 ℄ CONST. "D", 20.00' LT.
+04.37 ℄ CONST. "D", 45.77' LT.
EXIST. 48" RCP'S (TO REMAIN)
EXISTING 4' PAVED SHOULDER
CONST. 3" CONC. DITCH PAVEMENT

EXIST. 36" RCP'S (TO REMAIN)
CONST. DITCH BLOCK (5' X 22')
10' - 4' SHOULDER TRANSITION
℄ CONST. "D"
CONST. DBL. 48" RCP
4' PAVED SHOULDER
EXISTING TYPE A FENCE (TO REMAIN)
CONST. 3" CONCRETE DITCH PAVEMENT
LA R/W LINE
P.C. 115+88.52
P.T. 121+88.52
CONST. DITCH BLOCK (5' X 10')
CONST. 3" CONCRETE DITCH PAVEMENT
+90.12 ℄ CONST. "D" END ASPHALT BEGIN CONCRETE
CONST. DITCH BLOCK (5' X 13')
OPEN PASTURE

℄ CONSTRUCTION "D"
PI STA. 118+88.59
△ = 03°00'00"
D = 00°30'00"
T = 300.07'
L = 600.00'
R = 11459.16'
PC STA. 115+88.52
PT STA. 121+88.52

S.C.I.A.
℄ "A"
℄ "B"
P.K.&D.

REFERENCE STATION 10+00

LEGEND
EXISTING PAVEMENT TO BE REMOVED

BENCHMARK
FDOT BRASS DISK IN CONCRETE HEADWALL
NO. I75-82-A14, RM NO. 2
STATION 7+80, 36' RT. BASELINE "B"
ELEVATION = 24.13

BEGIN PROJECT
BEGIN CONSTRUCTION NORTHBOUND I-75
STA. 110+00.00 ℄ CONST. "D"

399+38.31 ℄ SURVEY "B" BK = 110+00.00 ℄ CONST. "D" AH

EXISTING GRADE ℄ SURVEY "B"
EXISTING GRADE ℄ CONST. "D"
PROFILE GRADE ℄ CONST. "D"
(-) 0.134%
(+) 0.128%
(-) 0.375%
(-) 0.010%
0.000%
0.00%

+70.00 BEGIN SPECIAL BEAM EL= 24.10
+70.00 ℄ DITCH BLOCK TOP EL= 23.75
+75.00 END SPECIAL BEAM EL= 24.10
SPECIAL BEAM GRADE RT. SEE CROSS SECTIONS FOR DETAILS
SPECIAL DITCH RT. 20' BOTTOM
DPI RT (+20.00) EL= 20.50
DPI RT (+70.00) EL= 23.50
DPI RT (+05.00) EL= 23.50
(+) 5.00%
+10.00
EXISTING DOUBLE 36" RCP FL= 20.54
CONST. DOUBLE 48" RCP'S FL= 18.79

PI STA 118+50.00 EL= 27.69
+00.00 BEGIN SPECIAL BEAM EL= 24.80
+00.00 ℄ DITCH BLOCK TOP EL= 24.50
DPI RT (+60.00) EL= 18.80
(+) 13.00%
+50.00
DPI RT (+00.00) EL= 24.00
SPECIAL DITCH RT. 10' BOTTOM
CONST. 3" CONCRETE DITCH PAVEMENT
+72.00 EL.= 28.17
DPI RT (+62.77) EL= 27.26
SPECIAL DITCH RT. 5' BOTTOM
SPECIAL BEAM RT. SEE CROSS-SECTIONS FOR DETAILS
+00.00 EL.= 27.69
SPECIAL GRADE LT (EOP)
CONST. 3" CONC. DITCH PAVEMENT
SPECIAL DITCH LT
PI STA 121+00.00 EL= 28.01
END SPECIAL BEAM +20.00 ℄ DITCH BLOCK TOP EL= 24.80
DPI RT (+20.00) EL= 24.00

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

FILE OF RECORD
PERMIT NO. 409592.00

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NB1	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	8-91	DRAWN BY	S.WEBSTER	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.CLEGG	8-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

PLAN AND PROFILE NORTHBOUND I-75

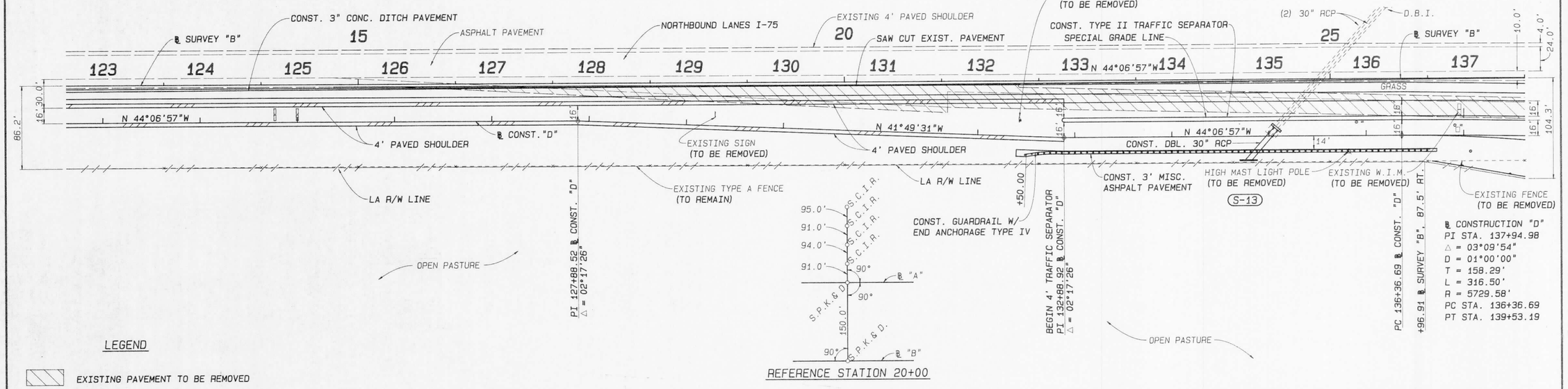
409592 .00

11

<JUNBLE>TASK>M.BIGGS>WEIGH>PLNTA>S.NB1 SPOOLED BY CDE ON 05 DEC 1991 AT 11:48:38

STATE PROJ. NO.	SHEET NO.
01075-3427	12

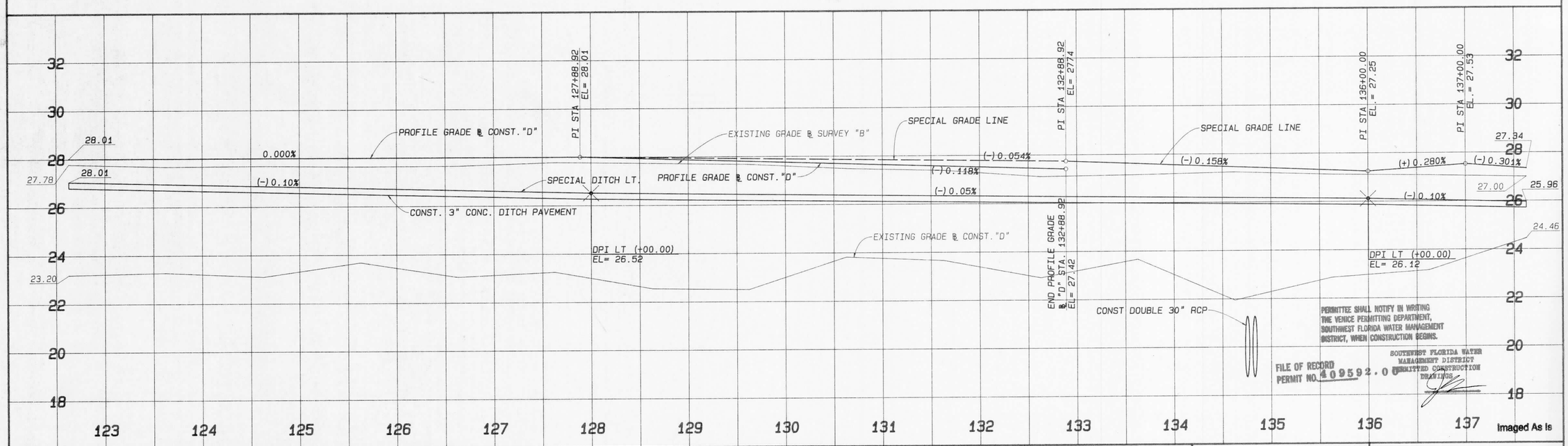
SCALE: 1"= 50'



REFERENCE STATION 20+00

LEGEND

EXISTING PAVEMENT TO BE REMOVED



PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD
PERMIT NO. 409592.00

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NB2	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	9-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE _____

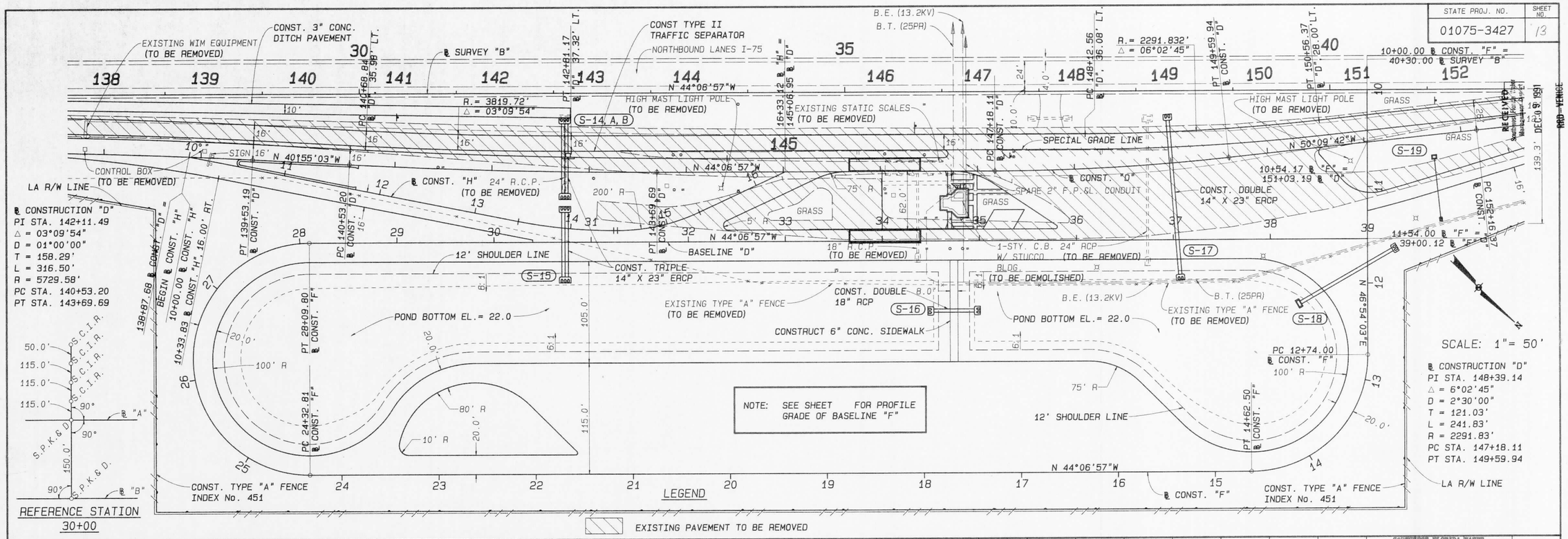
Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

PLAN AND PROFILE NORTHBOUND I-75

409592 · 00

12

C:\JUMBLE>TASK>M_BIGGS>MEIGH>PLNTA>S_NB2 SPOOLED BY CLEGG ON 20 SEP 1991 AT 16:59:24



STATE PROJ. NO.	SHEET NO.
01075-3427	13

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD
PERMIT NO. 409592.00

RECEIVED [illegible] DEC 09 1991
RRD-VENICE

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NB3	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	10-90	DRAWN BY	S.WEBSTER	10-90
CHECKED BY	W.F.BIGGS	10-90	CHECKED BY	L.CLEGG	10-90
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY

DATE 12/6/91

No. 39400

Boyle Engineering Corporation of Florida
engineers | architects | surveyors
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

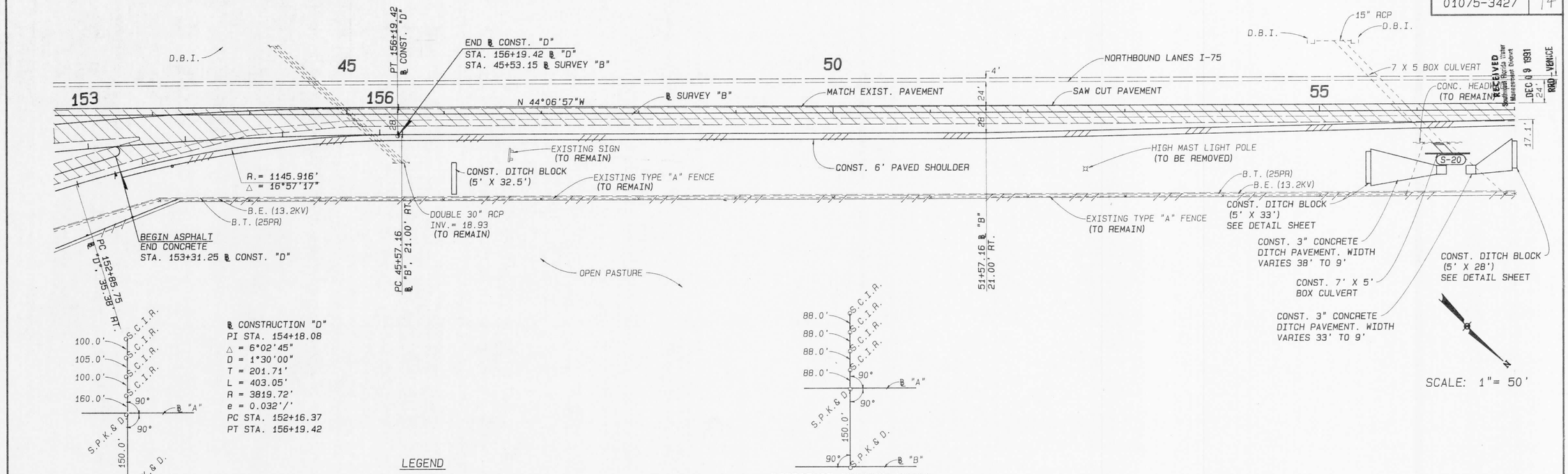
PLAN AND PROFILE NORTHBOUND I-75

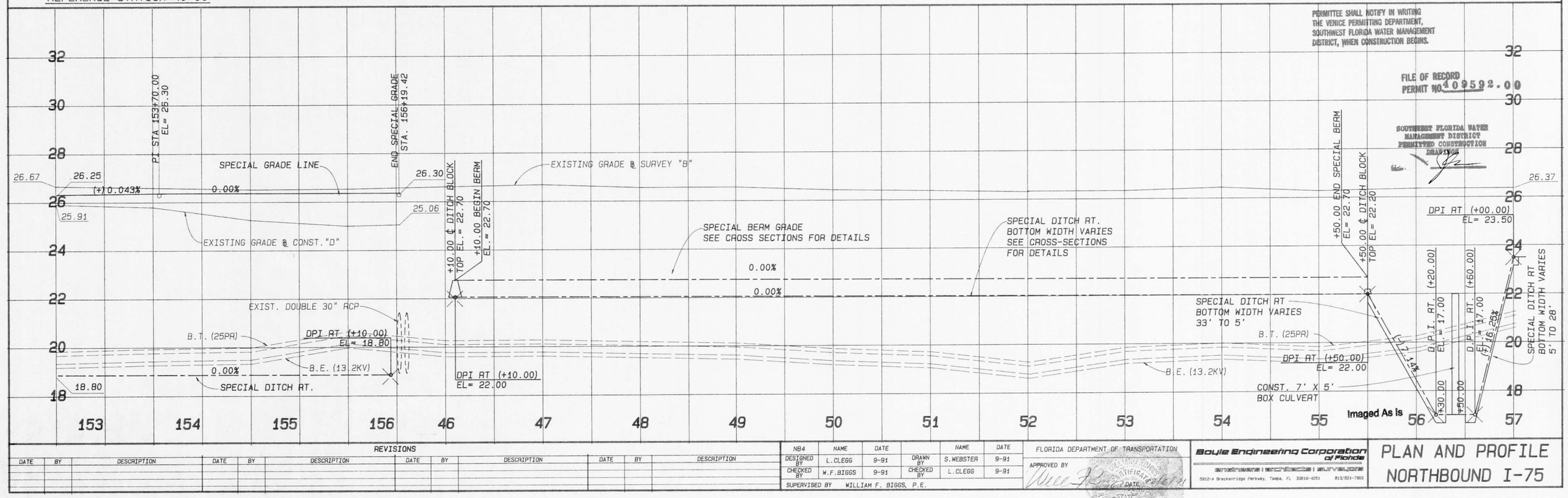
<JUMBLE>TASK>M.BIGGS>WEIGH>PUNTAS.NB3 SPOOLED BY CDE ON 23 SEP 1991 AT 13:51:13

409592 ·00

13

STATE PROJ. NO.	SHEET NO.
01075-3427	14





REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NB4	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	9-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY _____ DATE _____

Boyle Engineering Corporation of Florida
ENGINEERS | PLANNERS | SURVEYORS
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7800

PLAN AND PROFILE NORTHBOUND I-75

409592 .00

14

STATE PROJ. NO.	SHEET NO.
01075-1427	15

63+02.12 ℄ SURVEY "B" =
23+03.79 ℄ SURVEY JONES LOOP RD.

SCALE: 1"= 50'

END PROJECT
END CONST. NORTHBOUND
STA. 71+57.16 ℄ SURVEY "B"

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

℄ SURVEY "B"

N 44°06'57"W

CONST. GUARDRAIL W/ END ANCHORAGE TYPE IV

NORTHBOUND LANES I-75

SAW CUT & MATCH EXISTING PAVEMENT

CONST. 6' PAVED SHOULDER

CONST. MISC. ASPHALT PAVEMENT

CONST CONC. BARRIER WALL ®
(RIGID-SHOULDER) INDEX NO. 410

CONST. PAVED SHOULDER TRANSITION

B.T. (25PR)

POND

LA R/W LINE

B.E. (13.2KV)

EXISTING TYPE "A" FENCE
(TO REMAIN)

CONST. DITCH BLOCK
(5' X 18')
SEE DETAIL SHEET

℄ SURVEY JONES LOOP RD.

OPEN PASTURE

57+57.16 ℄ "B" 9.00' RT.
59+52.25 ℄ "B" 26.38' RT.
+40.00 ℄ "B" 22.79' RT.
+10.00 ℄ "B" 23.05' RT.
63+57.16 ℄ "B" 11.23' RT.
69+57.16 ℄ "B" 5.40' RT.
71+57.16 ℄ "B" 3.49' LT.

S.C.I.R. 85.0' 85.0' S.C.I.R.
105.0' S.C.I.R.
90° 45° ℄ "A"
90° P.K.S.D.
150.0'
90° S.P.K.S.D. ℄ "B"

REFERENCE STATION 63+00

LEGEND

EXISTING PAVEMENT TO BE REMOVED

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD
PERMIT NO. 409592.00

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

26.37
+00.00 BEGIN SPECIAL BERM
EL= 24.20
+00.00 ℄ DITCH BLOCK
TOP EL= 23.80
SPECIAL BERM GRADE AT
SEE CROSS-SECTIONS FOR DETAILS
SPECIAL DITCH RT.
25' BOTTOM
+20.00 END SPECIAL BERM
EL= 24.20
0.00%
0.00%
DPI RT (+00.00)
EL= 23.50
B.T. (25PR)
D.P.I. RT. (+20.00)
EL= 23.50
B.E. (13.2KV)
DPI RT (+50.00)
EL= 23.00
EXISTING GRADE ℄ SURVEY "B"
+50.00 BEGIN SPECIAL BERM
EL= 23.70
0.00%
SPECIAL DITCH RT.
15' BOTTOM
+50.00 END SPECIAL BERM
EL= 23.70
25.53
+50.00 ℄ DITCH BLOCK
TOP EL= 23.30
DPI RT (+50.00)
EL= 23.00

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

NB5	NAME	DATE		NAME	DATE
DESIGNED BY	L.CLEGG	9-91	DRAWN BY	S.WEBSTER	9-91
CHECKED BY	W.F.BIGGS	9-91	CHECKED BY	L.CLEGG	9-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY

DATE 12/6/91

Boyle Engineering Corporation of Florida
Environmental Construction Services
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

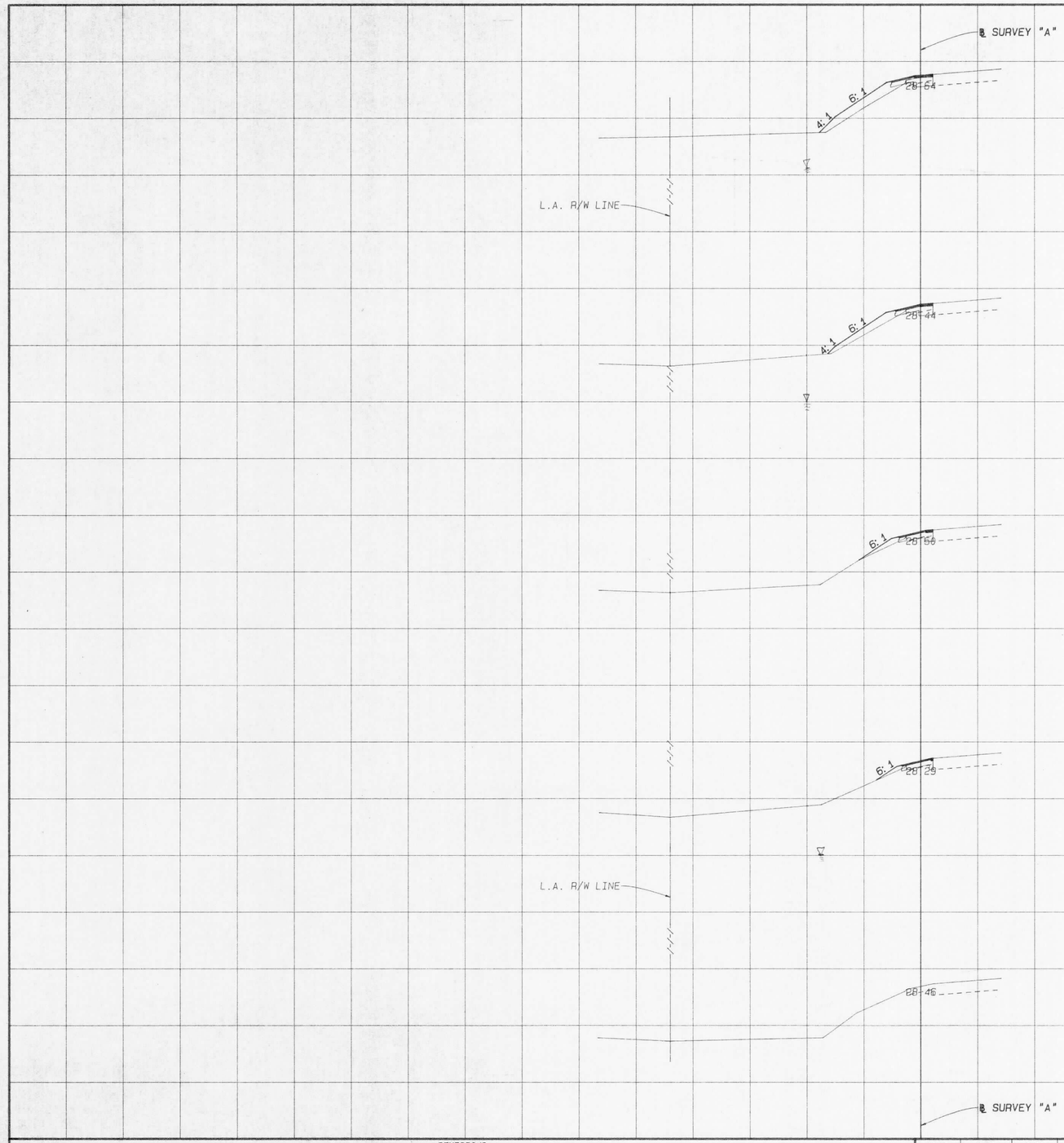
PLAN AND PROFILE NORTHBOUND I-75

Imaged As Is

409592 .00

15

<JUMBLE>TASK>M.BIGGS>WEIGH>PUNTA>S..N85 SPOOLED BY COE ON 04 DEC 1991 AT 10:59:07



4+00.00 ℄ "A"

3+00.00 ℄ "A"

2+00.00 ℄ "A"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

1+00.00 ℄ "A"

BEGIN EARTHWORK SOUTHBOUND
STA 0+57.45 ℄ BASELINE "A"

EQUATION

STA 0+00.00 AH
STA 400+00.00 BK

400+00.00 ℄ "A"

BEGIN PROJECT
STA 399+38.21 ℄ SURVEY "A"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWING

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-WRM-E

STATE PROJ. NO.	SHEET NO.
01075-3427	31

Rdwy. Exc.		Fill	
A	V	A	V

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A2	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	7-91	DRAWN BY	S.W./A.C.	7-91
CHECKED BY	W.F.BIGGS	7-91	CHECKED BY	L.P.CLEGG	7-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE _____

Boyle Engineering Corporation of Florida
ENVIRONMENTAL | INFRASTRUCTURE | DEVELOPMENT
5932-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS SOUTHBOUND I-75

409592 .00

31

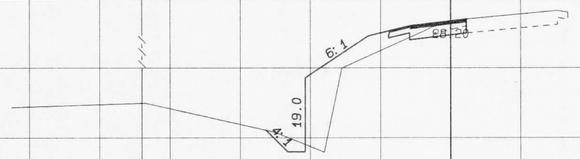
STATE PROJ. NO.	SHEET NO.
01075-3427	32

Rdwy. Exc.		Fill	
A	V	A	V

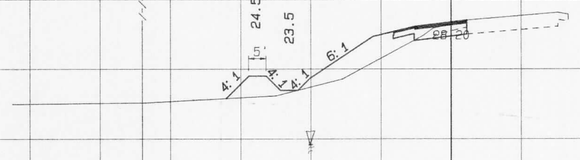
℄ SURVEY "A"

L.A. R/W LINE

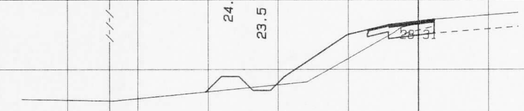
9+00.00 ℄ "A"



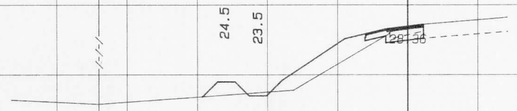
8+00.00 ℄ "A"



7+00.00 ℄ "A"

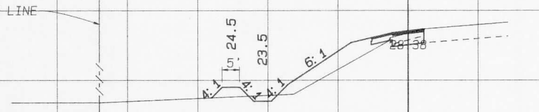


6+00.00 ℄ "A"



L.A. R/W LINE

5+00.00 ℄ "A"



SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

℄ SURVEY "A"

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A3	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY _____ DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS SOUTHBOUND I-75

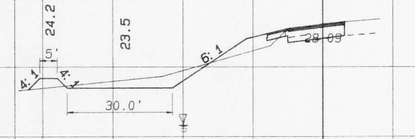
409592 .00

32

STATE PROJ. NO. 01075-3427 | SHEET NO. 33
Rdwy. Exc. A V. | Fill A V

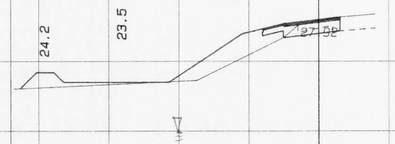
℄ SURVEY "A"

L.A. R/W LINE

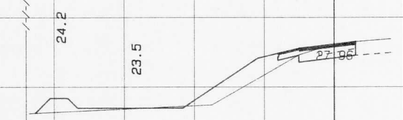


14+00.00 ℄ "A"

13+00.00 ℄ "A"

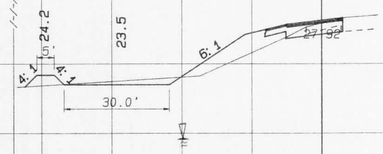


12+00.00 ℄ "A"



11+00.00 ℄ "A"

L.A. R/W LINE



PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

10+00.00 ℄ "A"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

℄ SURVEY "A"

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A4	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY [signature] DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4051 813/621-7900

CROSS SECTIONS SOUTHBOUND I-75

409592 · 00

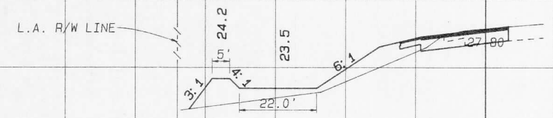
33

STATE PROJ. NO.	SHEET NO.
01075-342Z	34

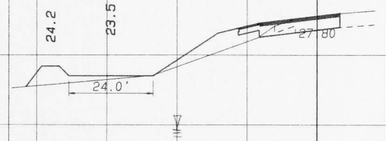
Rdwy. Exc.		Fill	
A	V.	A	V

℄ SURVEY "A"

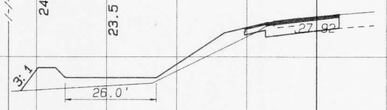
L.A. R/W LINE



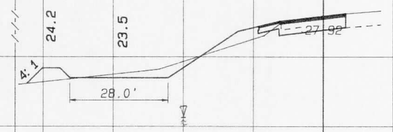
19+00.00 ℄ "A"



18+00.00 ℄ "A"



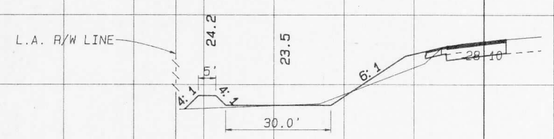
17+00.00 ℄ "A"



16+00.00 ℄ "A"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

L.A. R/W LINE



15+00.00 ℄ "A"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

Imaged As Is

℄ SURVEY "A"

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A5	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 12/6/91

Boyle Engineering Corporation of Florida
5812-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS SOUTHBOUND I-75

409592 .00

34

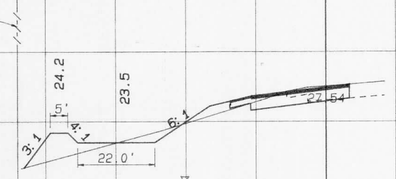
STATE PROJ. NO.	SHEET NO.
01075-342Z	35

Rdwy. Exc.		Fill	
A	V	A	V

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

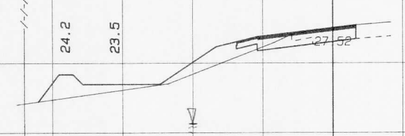
℄ SURVEY "A"

L.A. R/W LINE



24+00.00 ℄ "A"

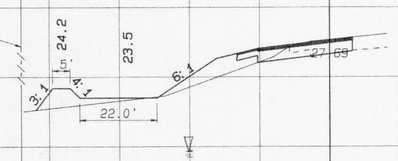
23+00.00 ℄ "A"



22+00.00 ℄ "A"

21+00.00 ℄ "A"

PERMITTEE SHALL NOTIFY IN WRITING
THE VENICE PERMITTING DEPARTMENT,
SOUTHWEST FLORIDA WATER MANAGEMENT
DISTRICT, WHEN CONSTRUCTION BEGINS.



20+00.00 ℄ "A"

SOUTHWEST FLORIDA WATER
MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION
DRAWING

Imaged As Is

℄ SURVEY "A"

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A6	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION

APPROVED BY [signature] DATE 12/6/91

STATE OF FLORIDA

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

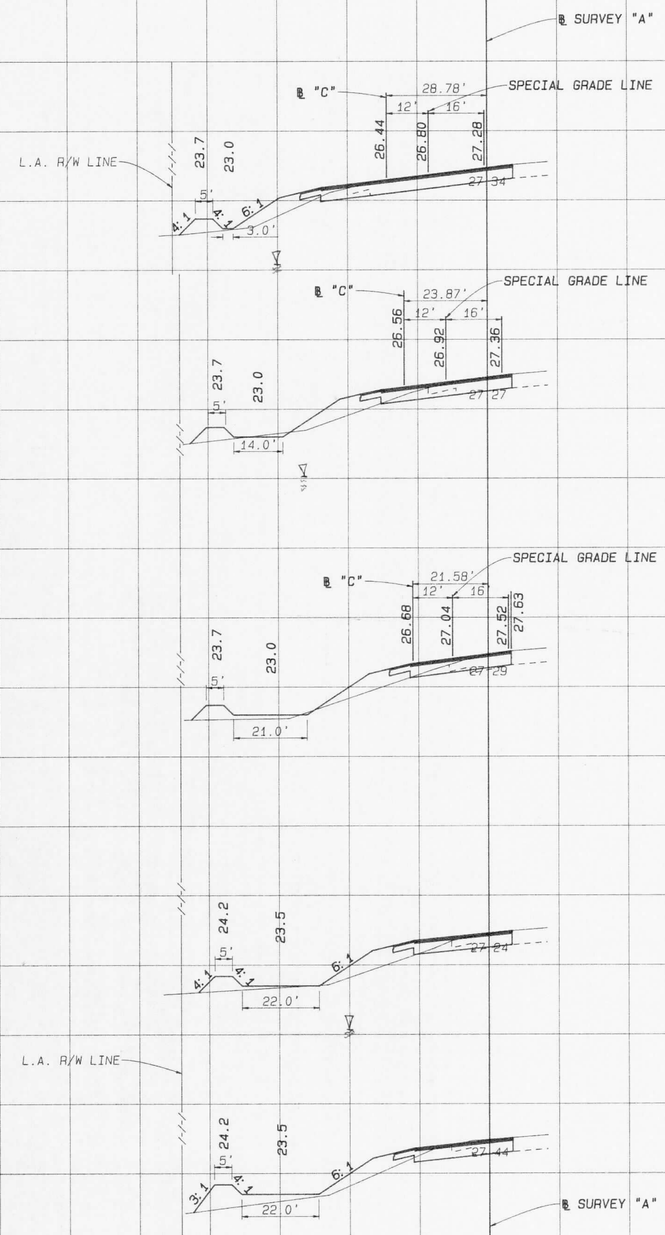
CROSS SECTIONS SOUTHBOUND I-75

409592 · 00

35

STATE PROJ. NO.	SHEET NO.
01075-3427	36

Rdwy. Exc.		Fill	
A	V.	A	V



29+00.00 ℄ "A"
112+37.51 ℄ "C"

28+00.00 ℄ "A"
111+37.39 ℄ "C"

27+00.00 ℄ "A"
110+37.36 ℄ "C"

110+00.00 ℄ "C" AH =
26+62.64 ℄ "A" BK

26+00.00

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

25+00.00

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION
DRAWING

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A7	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE 12/6/91

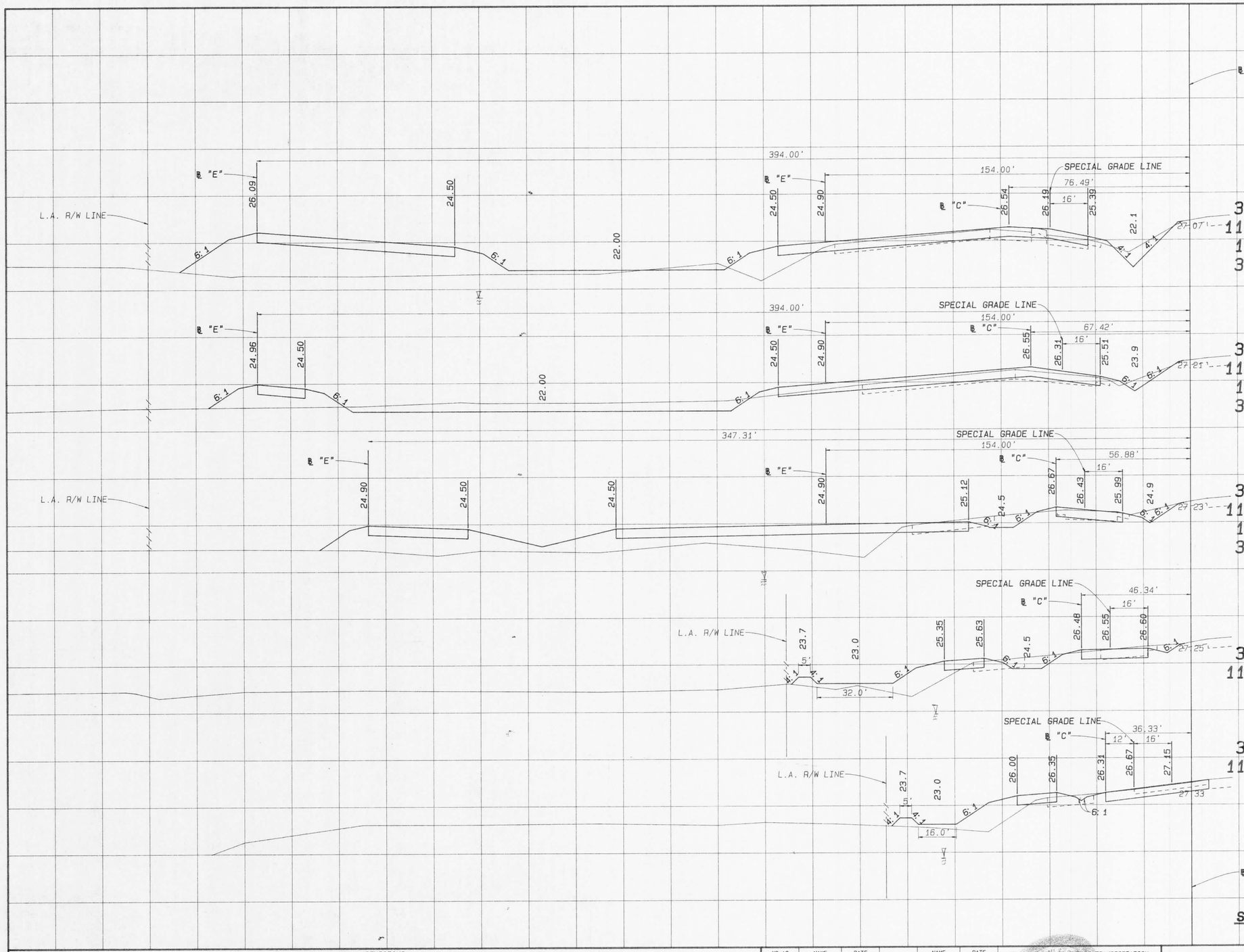
Boyle Engineering Corporation of Florida
5012-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS SOUTHBOUND I-75

409592 -00

STATE PROJ. NO.	SHEET NO.
01075-3427	37

Rdwy. Exc.		Fill	
A	V	A	V



PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWING

Imaged As Is

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A8	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY: ... DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

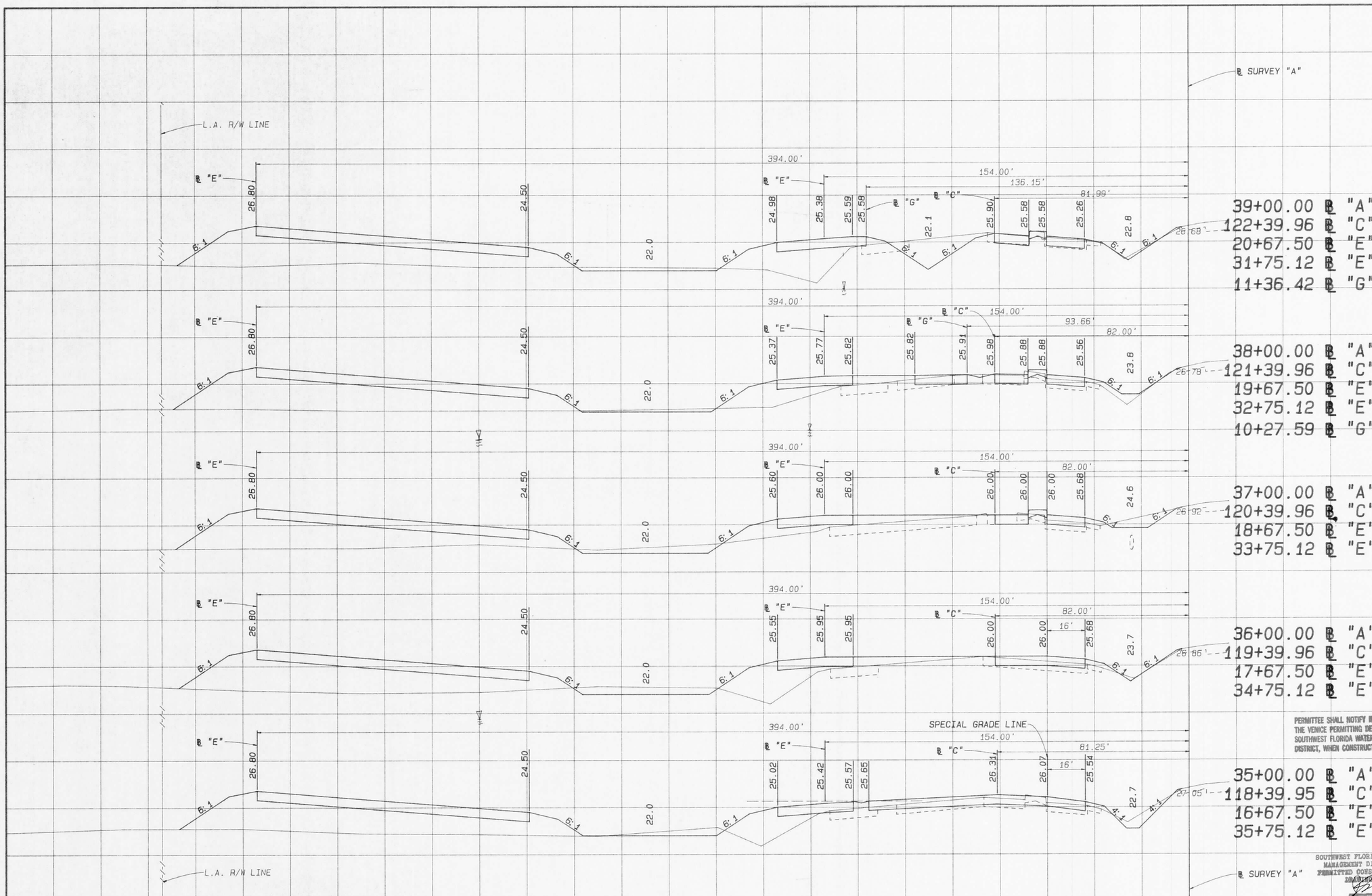
CROSS SECTIONS SOUTHBOUND I-75

409592 -00

37

STATE PROJ. NO.	SHEET NO.
01075-3427	38

Rdwy. Exc.		Fill	
A	V	A	V



PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWING

Imaged As Is

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A9	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	7-91	DRAWN BY	S.W./A.C.	7-91
CHECKED BY	W.F.BIGGS	7-91	CHECKED BY	L.P.CLEGG	7-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

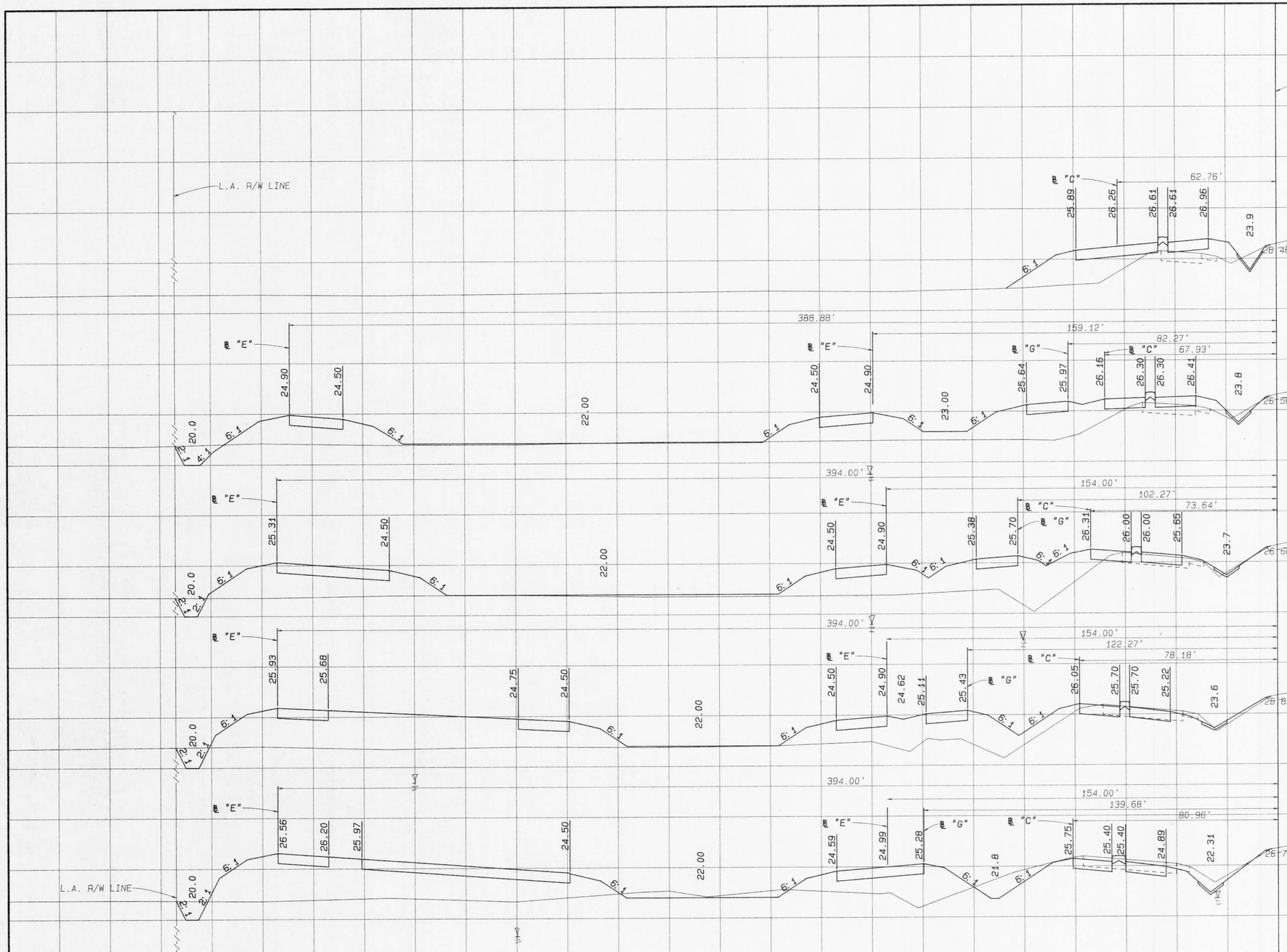
CROSS SECTIONS SOUTHBOUND I-75

409592 · 00

38

STATE PROJ. NO.	SHEET NO.
01075-3427	39

Rdwy. Exc.		Fill	
A	V	A	V



FILE OF RECORD
PERMIT NO. 409592.00

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWING

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A10	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	7-91	DRAWN BY	S.W./A.C.	7-91
CHECKED BY	W.F.BIGGS	7-91	CHECKED BY	L.P.CLEGG	7-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 12/6/91

Boyle Engineering Corporation of Florida
ENVIRONMENTAL | ENGINEERING | SURVEYING
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS SOUTHBOUND I-75

409592 -00

39

<JUMBLE>TASK>M.BIGGS>WEIGH>PUNTA>s xs-a10 SPOOLED BY CLEGG ON 16 SEP 1991 AT 17:36:02

STATE PROJ. NO.	SHEET NO.
01075-3427	40

Rdwy. Exc.		Fill	
A	V	A	V

℄ SURVEY "A"

℄ "C" 51.23'

26.06 26.28 25.96 24.4

L.A. R/W LINE

4:1 6:1

25.21

49+00.00 ℄ "A"
132+40.60 ℄ "C"

℄ "C" 55.23'

25.96 26.25 25.93 24.3

L.A. R/W LINE

4:1 6:1

25.22

48+00.00 ℄ "A"
131+40.52 ℄ "C"

℄ "C" 57.40'

26.00 26.32 26.32 26.00 24.2

L.A. R/W LINE

4:1 6:1

25.31

47+00.00 ℄ "A"
130+40.48 ℄ "C"

℄ "C" 57.40'

26.19 26.54 26.54 26.89 24.1

L.A. R/W LINE

4:1 6:1

25.26

46+00.00 ℄ "A"
129+40.48 ℄ "C"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

℄ "C" 57.60

26.37 26.75 26.75 27.10 24.0

L.A. R/W LINE

6:1

25.40

45+00.00 ℄ "A"
128+40.46 ℄ "C"

FILE OF RECORD
PERMIT NO. 409592.00

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWING

℄ SURVEY "A"

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A11	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

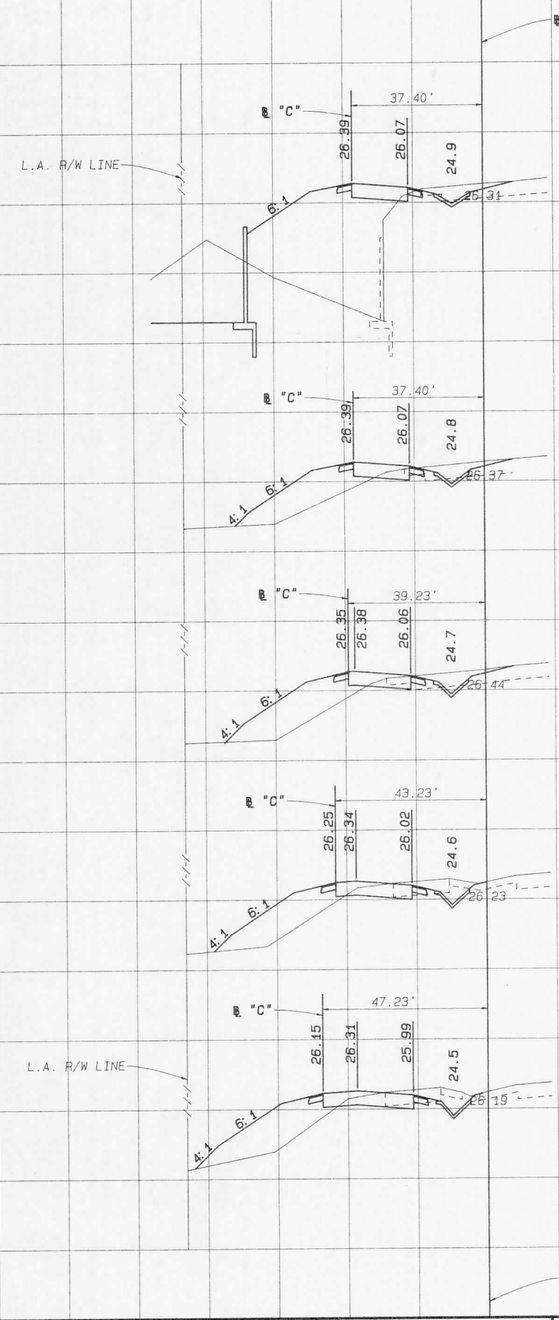
FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY ... DATE 2/6/92

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS SOUTHBOUND I-75

STATE PROJ. NO.	SHEET NO.
01075-3427	41

Adwy. Exc.		Fill	
A	V	A	V



54+00.00 ℄ "A"
137+40.88 ℄ "C"

53+00.00 ℄ "A"
136+40.88 ℄ "C"

52+00.00 ℄ "A"
135+40.84 ℄ "C"

51+00.00 ℄ "A"
134+40.76 ℄ "C"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

50+00.00 ℄ "A"
133+40.68 ℄ "C"

FILE OF RECORD
PERMIT NO. 409592.00

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD - VER.

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A12	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 12/6/91

Boyle Engineering Corporation of Florida
5812-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

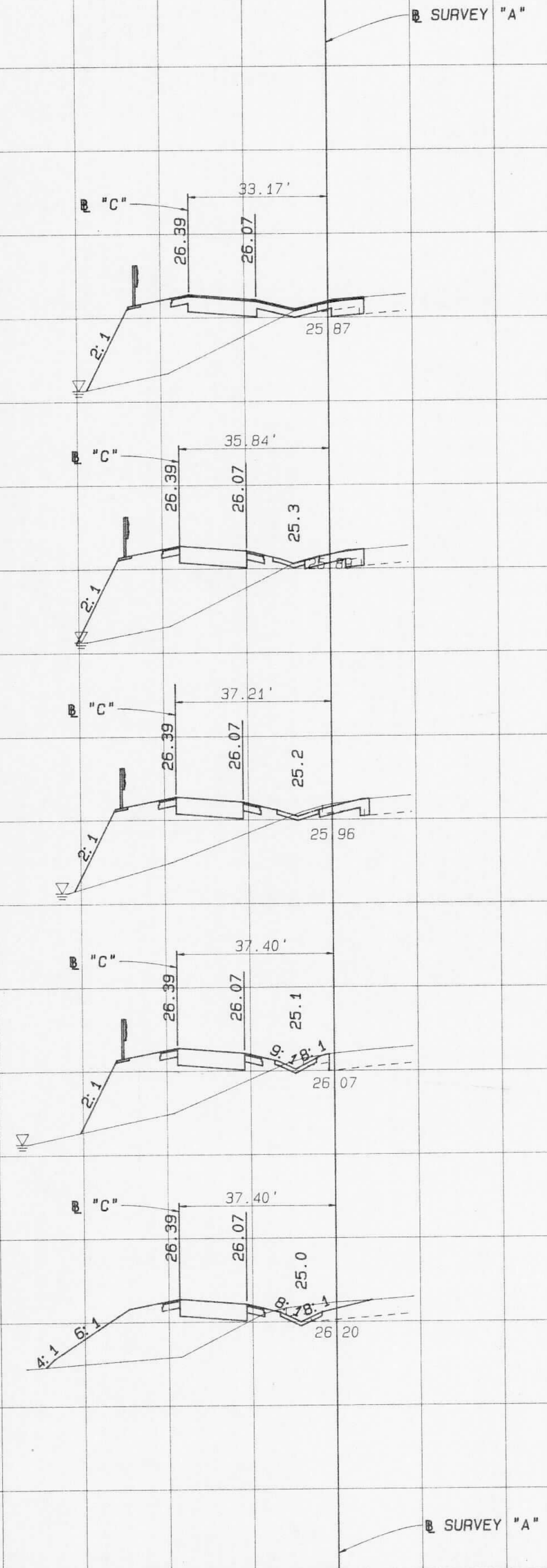
CROSS SECTIONS SOUTHBOUND I-75

409592 .00

41

STATE PROJ. NO.	SHEET NO.
01075-3427	42

Rdwy. Exc.		Fill	
A	V	A	V



59+00.00 ℄ "A"
142+40.93 ℄ "C"

58+00.00 ℄ "A"
141+40.89 ℄ "C"

57+00.00 ℄ "A"
140+40.88 ℄ "C"

56+00.00 ℄ "A"
139+40.88 ℄ "C"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

55+00.00 ℄ "-"
138+40.88 ℄ "C"

FILE OF RECORD PERMIT NO. 409592.00

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As is

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

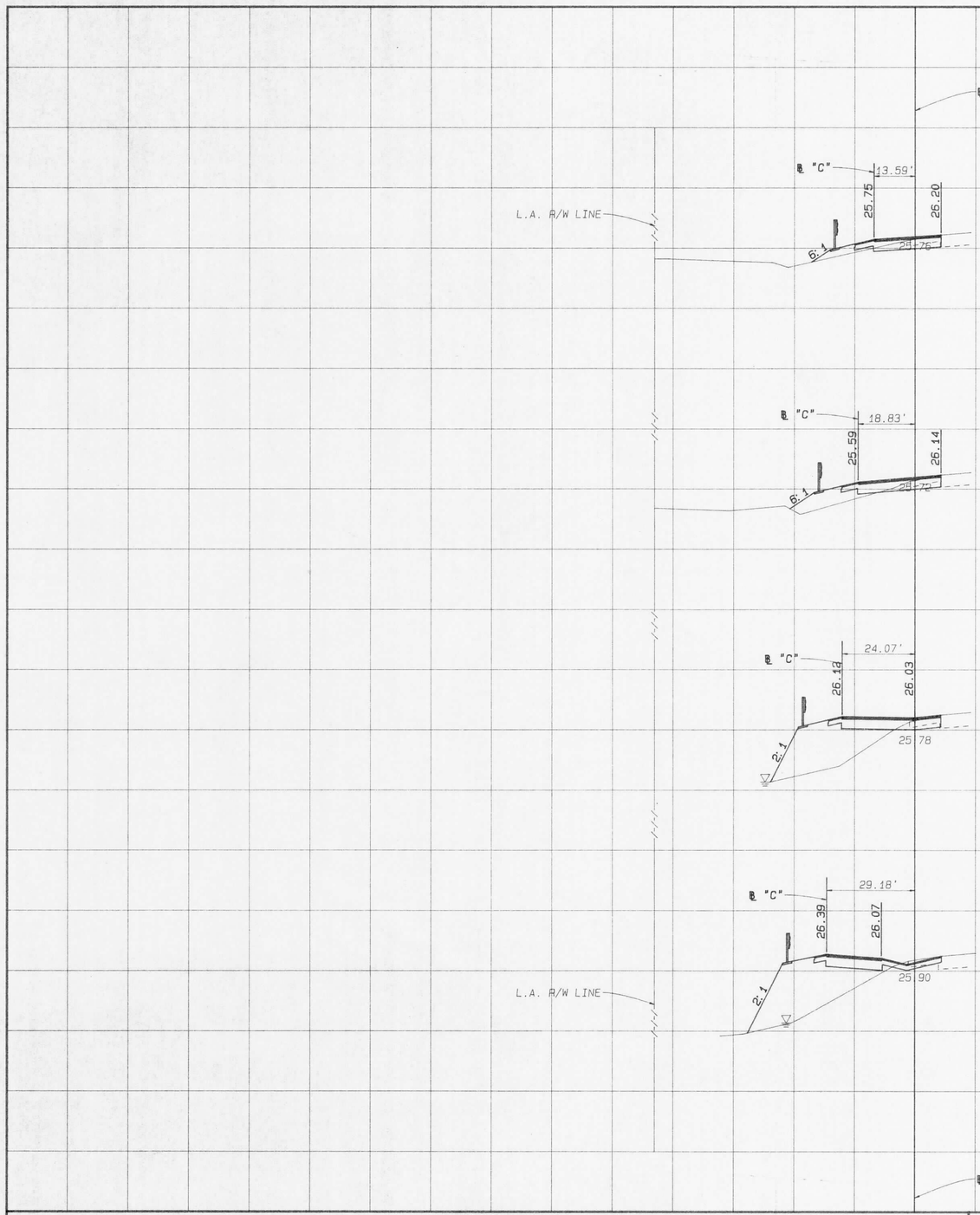
XS-A13	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE 12/5/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS
SOUTHBOUND I-75

<JUMBLE>TASK>W.BIGGS>WEIGH>PUNTA>S.XS-A13 SPOOLED BY COE ON 06 SEP 1991 AT 11:38:53



STATE PROJ. NO.	SHEET NO.
01075-3427	43

Rdwy. Exc.		Fill	
A	V	A	V

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

FILE OF RECORD
PERMIT NO. 409592.00

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A14	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY [signature] DATE 12/6/91

Boyle Engineering Corporation of Florida
5952-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

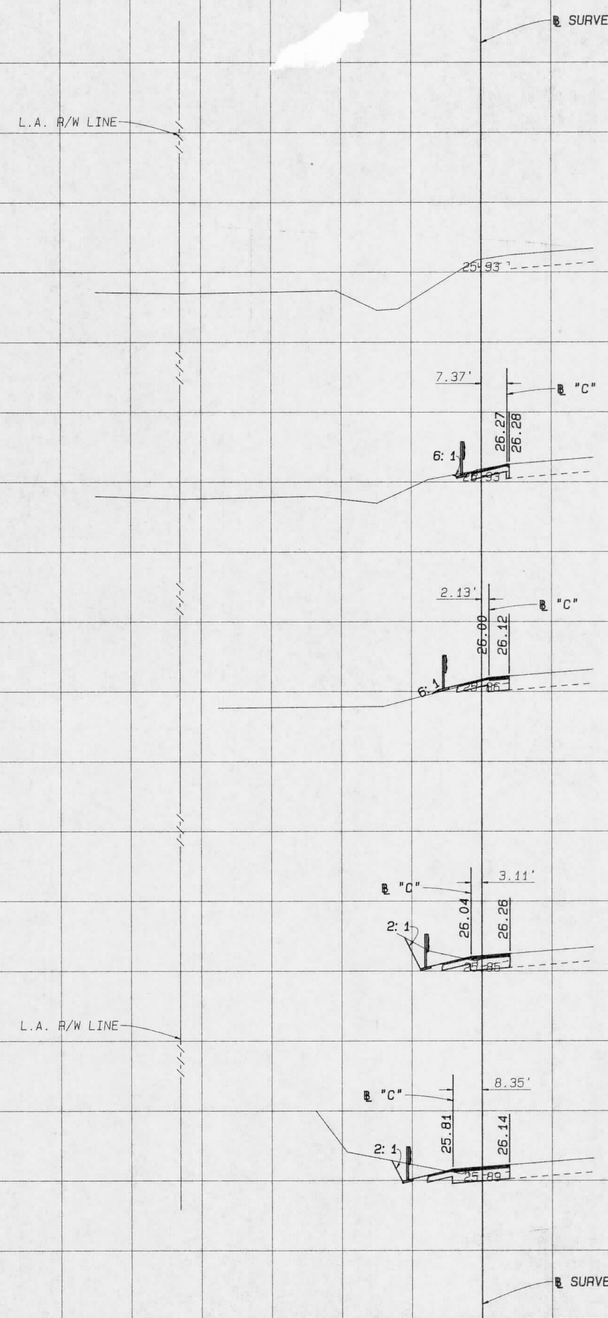
CROSS SECTIONS SOUTHBOUND I-75

409592 .00

43

STATE PROJ. NO.	SHEET NO.
01075-3427	44

Rdwy. Exc. A	Rdwy. Exc. V	Fill A	Fill V



68+00.00 ℄ "A"

END EARTHWORK 67+64.05

EQUATION 67+12.01 ℄ "A" AH
150+53.99 ℄ "C" BK

67+00.00 ℄ "A"
150+41.96 ℄ "C"

66+00.00 ℄ "A"
149+41.82 ℄ "C"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

65+00.00 ℄ "A"
148+41.69 ℄ "C"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

64+00.00 ℄ "A"
147+41.55 ℄ "C"

FILE OF RECORD
PERMIT NO 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-A15	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4253 813/631-7900

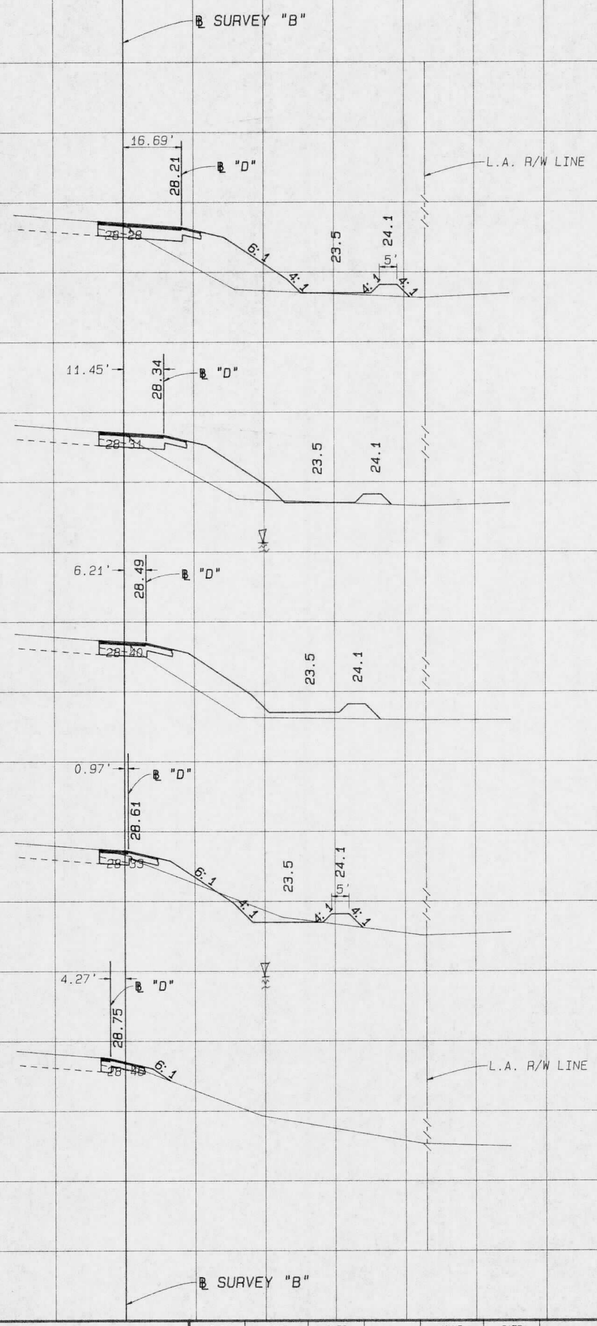
CROSS SECTIONS SOUTHBOUND I-75

409592 .00

44

STATE PROJ. NO.	SHEET NO.
01075-3427	45

Rdwy. Exc.		Fill	
A	V	A	V



4+00.00 ℄ "B"
114+62.33 ℄ "D"

3+00.00 ℄ "B"
113+62.19 ℄ "D"

2+00.00 ℄ "B"
112+62.05 ℄ "D"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

1+00.00 ℄ "B"
111+61.92 ℄ "D"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

EQUATION 0+00.00 ℄ "B" AH
400+00.00 ℄ "B" BK
110+61.78 ℄ "D"

BEGIN PROJECT
BEGIN CONSTRUCTION NORTHBOUND
STA 110+00.00 ℄ "D"
STA 399+38.31 ℄ SURVEY "B"

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-B2	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

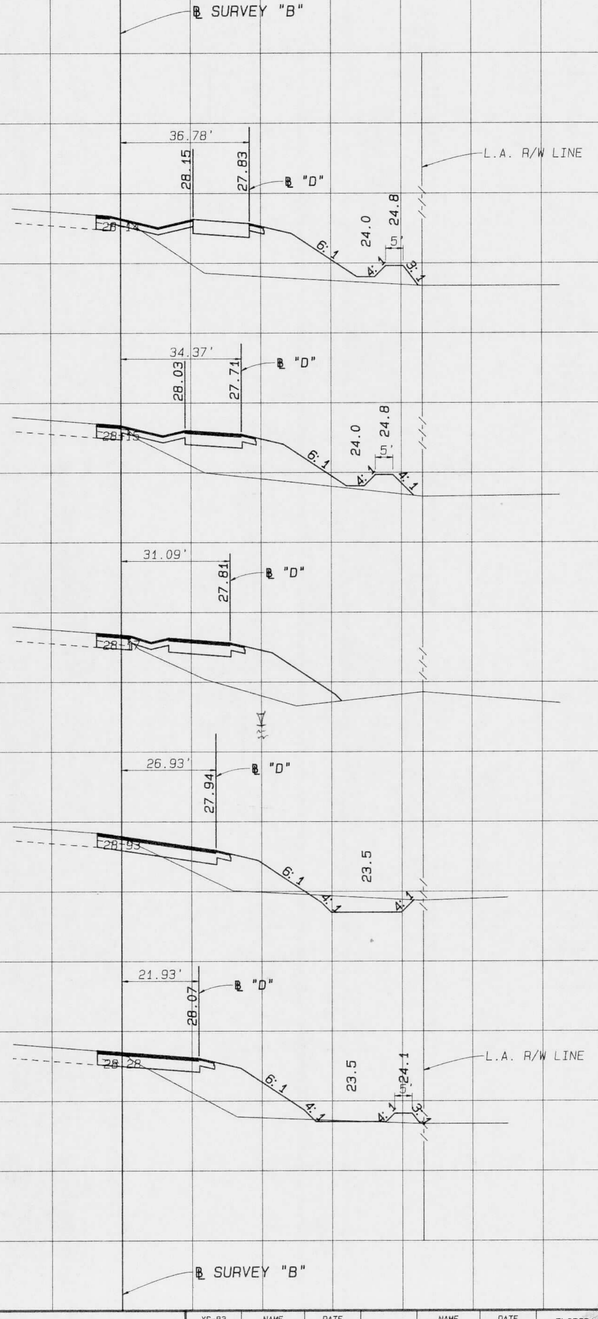
FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY [signature] DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/681-7900

CROSS SECTIONS NORTHBOUND I-75

STATE PROJ. NO.	SHEET NO.
01075-3427	46

Rdwy. Exc.		Fill	
A	V	A	V



9+00.00 ℄ "B"
119+62.76 ℄ "D"

8+00.00 ℄ "B"
118+62.73 ℄ "D"

7+00.00 ℄ "B"
117+62.68 ℄ "D"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

6+00.00 ℄ "B"
116+62.59 ℄ "D"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

5+00.00 ℄ "B"
115+62.47 ℄ "D"

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-B3	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 12/6/91

Boyle Engineering Corporation of Florida
ENGINEERS | ARCHITECTS | PLANNERS
5012-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

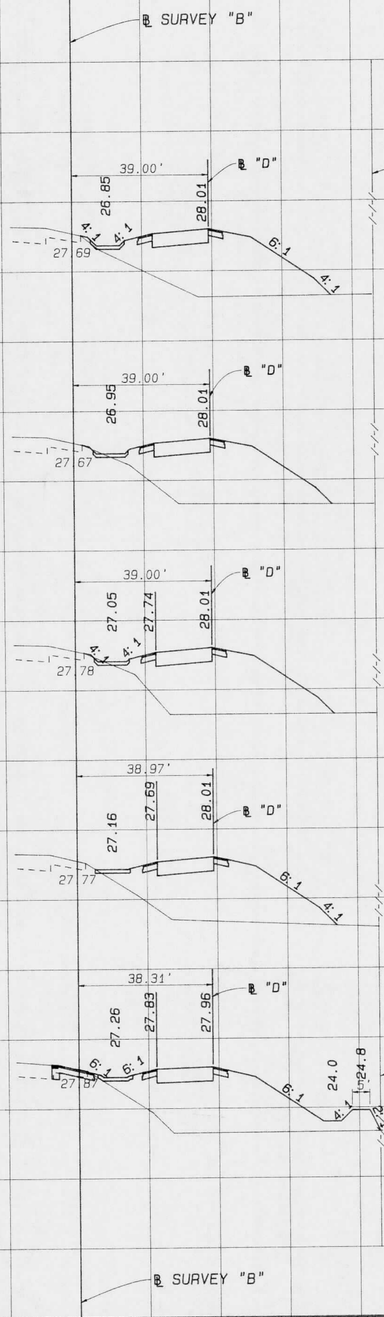
CROSS SECTIONS NORTHBOUND I-75

409592 · 00

46

STATE PROJ. NO.	SHEET NO.
01075-3427	47

Rdwy. Exc.		Fill	
A	V	A	V



14+00.00 ℄ "B"
124+62.78 ℄ "D"

13+00.00 ℄ "B"
123+62.78 ℄ "D"

12+00.00 ℄ "B"
122+62.78 ℄ "D"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

11+00.00 ℄ "B"
121+62.78 ℄ "D"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

10+00.00 ℄ "B"
120+62.77 ℄ "D"

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-84	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY [signature] DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

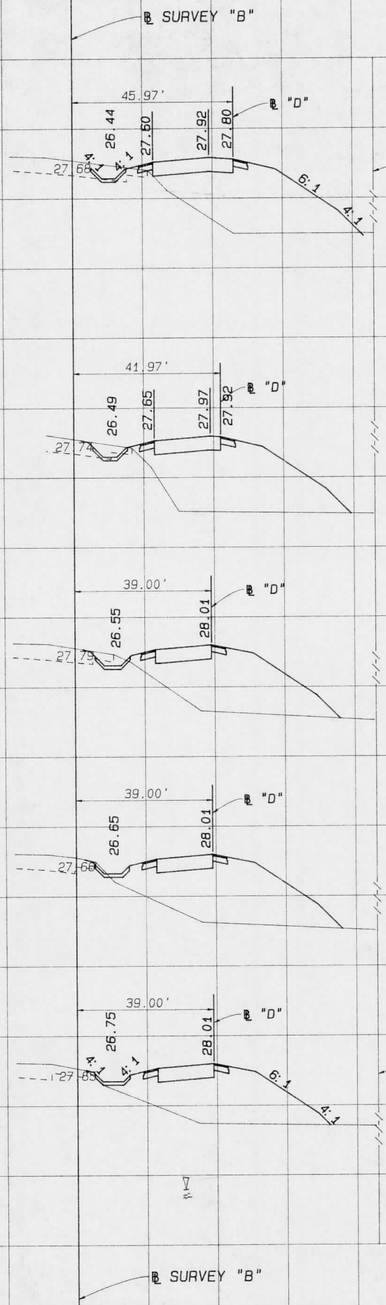
CROSS SECTIONS NORTHBOUND I-75

409592 .00

47

STATE PROJ. NO.	SHEET NO.
01075-3427	48

Rdwy. Exc.		Fill	
A	V	A	V



19+00.00 ℄ "B"
129+62.91 ℄ "D"

18+00.00 ℄ "B"
128+62.83 ℄ "D"

17+00.00 ℄ "B"
127+62.78 ℄ "D"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

16+00.00 ℄ "B"
126+62.78 ℄ "D"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

15+00.00 ℄ "B"
125+62.78 ℄ "D"

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-85	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

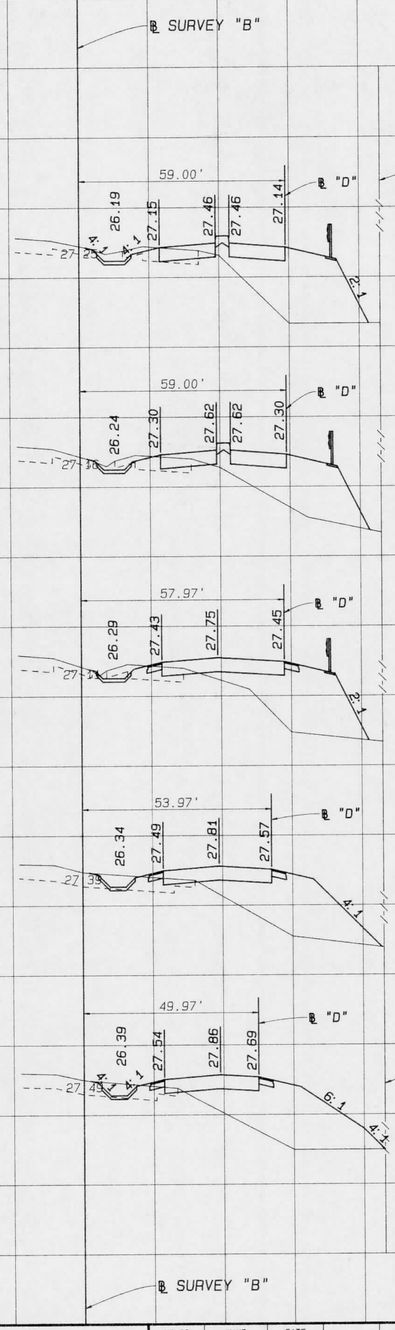
CROSS SECTIONS NORTHBOUND I-75

409592 .00

48

STATE PROJ. NO.	SHEET NO.
01075-3427	49

Rdwy. Exc.		Fill	
A	V	A	V



24+00.00 ℄ "B"
134+63.18 ℄ "D"

23+00.00 ℄ "B"
133+63.18 ℄ "D"

22+00.00 ℄ "B"
132+63.15 ℄ "D"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

21+00.00 ℄ "B"
131+63.07 ℄ "D"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

20+00.00 ℄ "B"
130+62.99 ℄ "D"

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
BRD. VENICE

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-B6	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

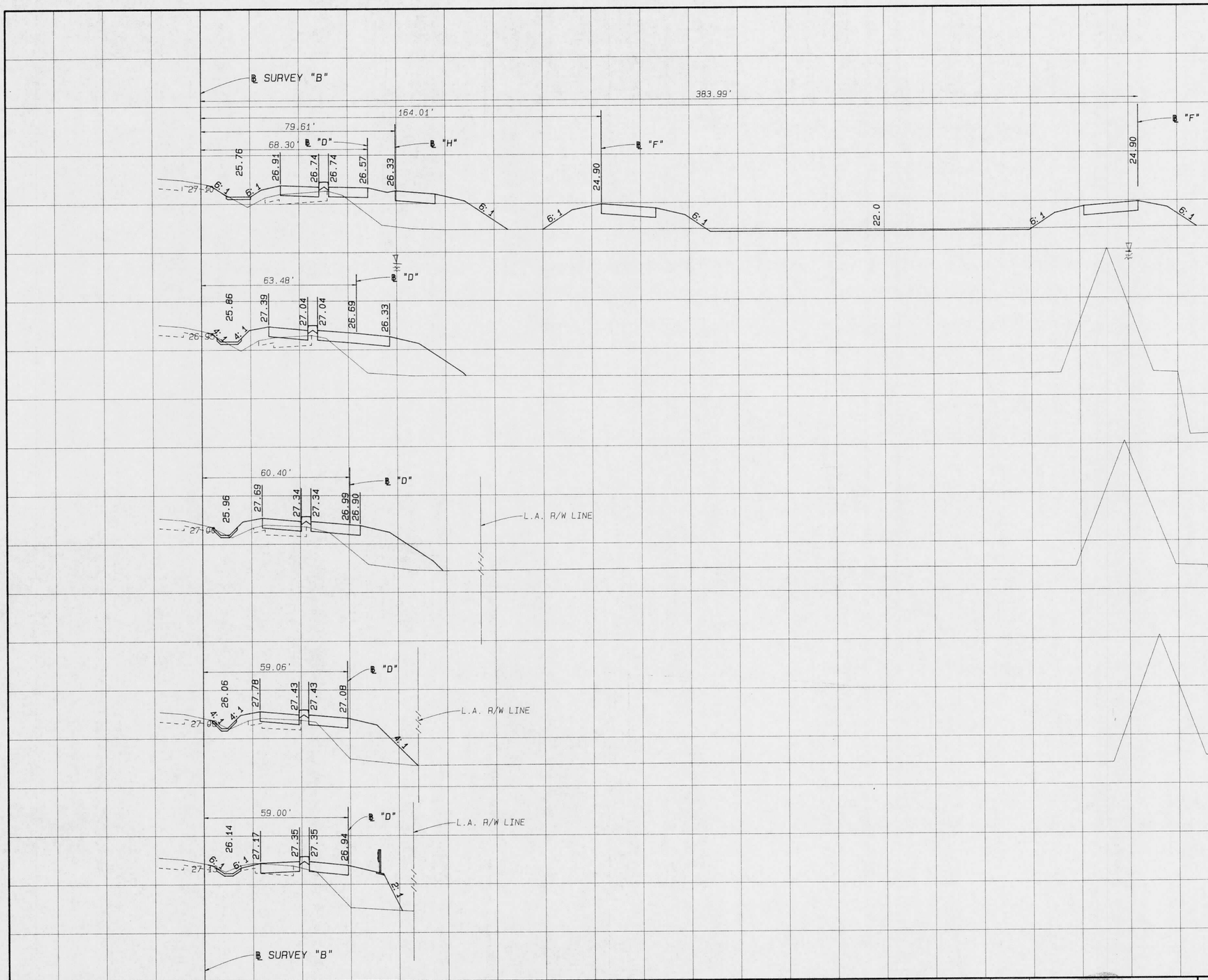
FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY
DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS NORTHBOUND I-75

409592.00

49



STATE PROJ. NO.	SHEET NO.
01075-3427	50

Rdwy. Exc.		Fill	
A	V	A	V

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-87	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

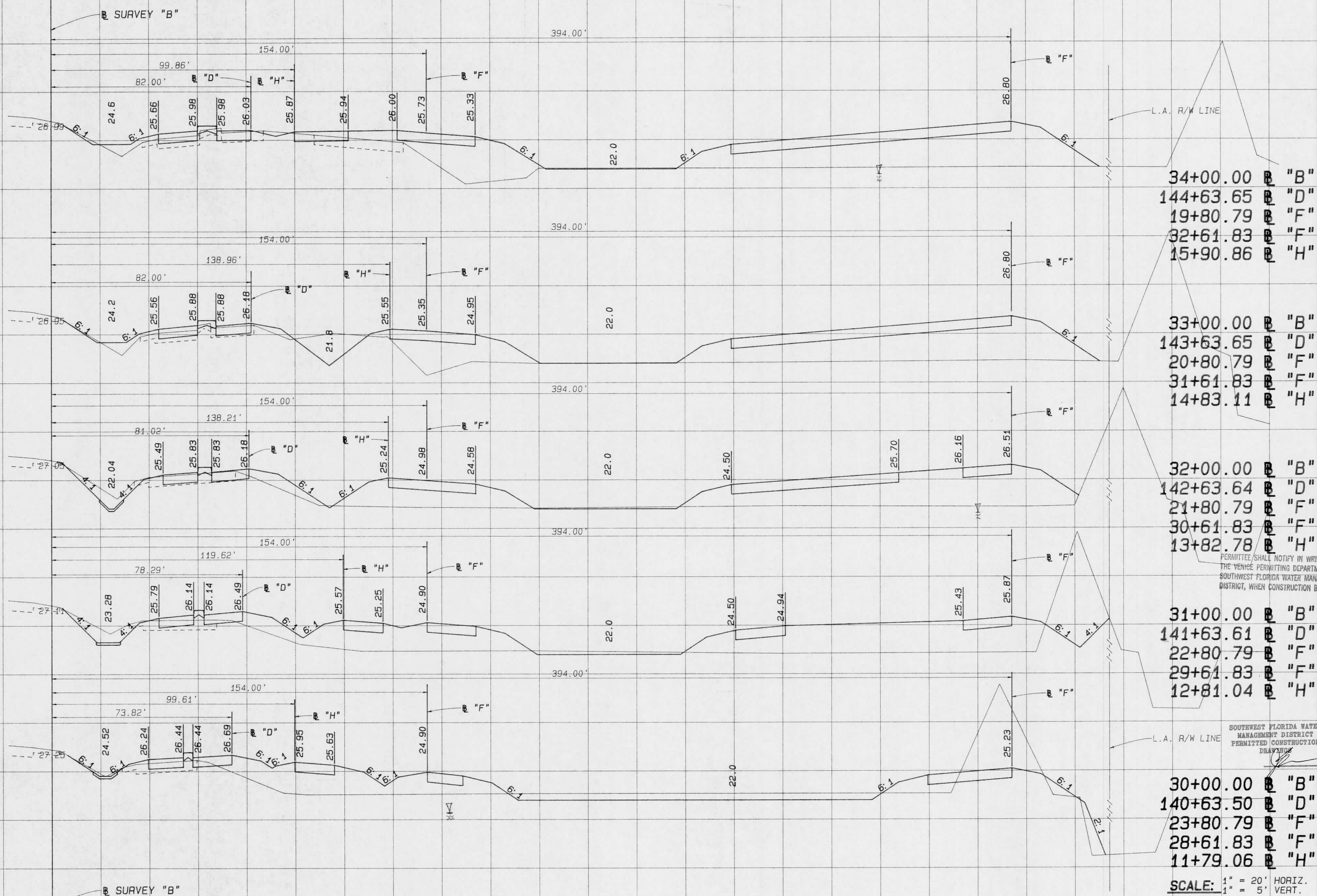
FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY [signature] DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS NORTHBOUND I-75

409592 .00

50



STATE PROJ. NO.	SHEET NO.
01075-3427	51

Rdwy. Exc.		Fill	
A	V	A	V

RECEIVED
Southwest Florida Water Management District
DEC 0 9 1991
RRD-VENICE

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

FILE OF RECORD
PERMIT NO. 409592.00

Imaged As Is

REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-88	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91

SUPERVISED BY WILLIAM F. BIGGS, P.E.

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY: DATE 12/2/91

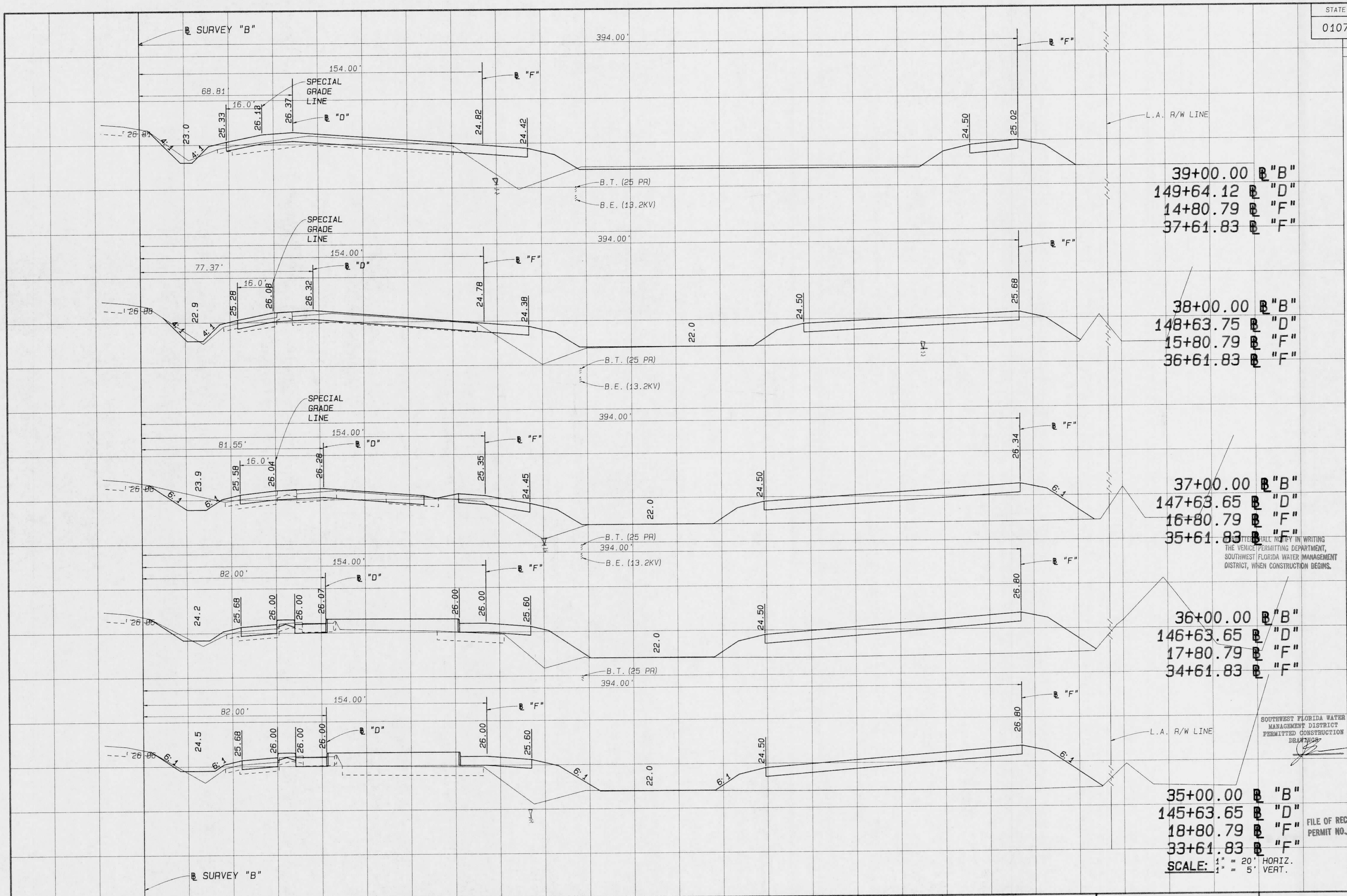
Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS NORTHBOUND I-75

<JUMBLE>TASK>M.BIGGS>WEIGH>PUNTA>S.XS-88 SPOOLED BY RICKER ON 10 SEP 1991 AT 14:38:18

409592 .00

STATE PROJ. NO.	SHEET NO.
01075-3427	52



REVISIONS

DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

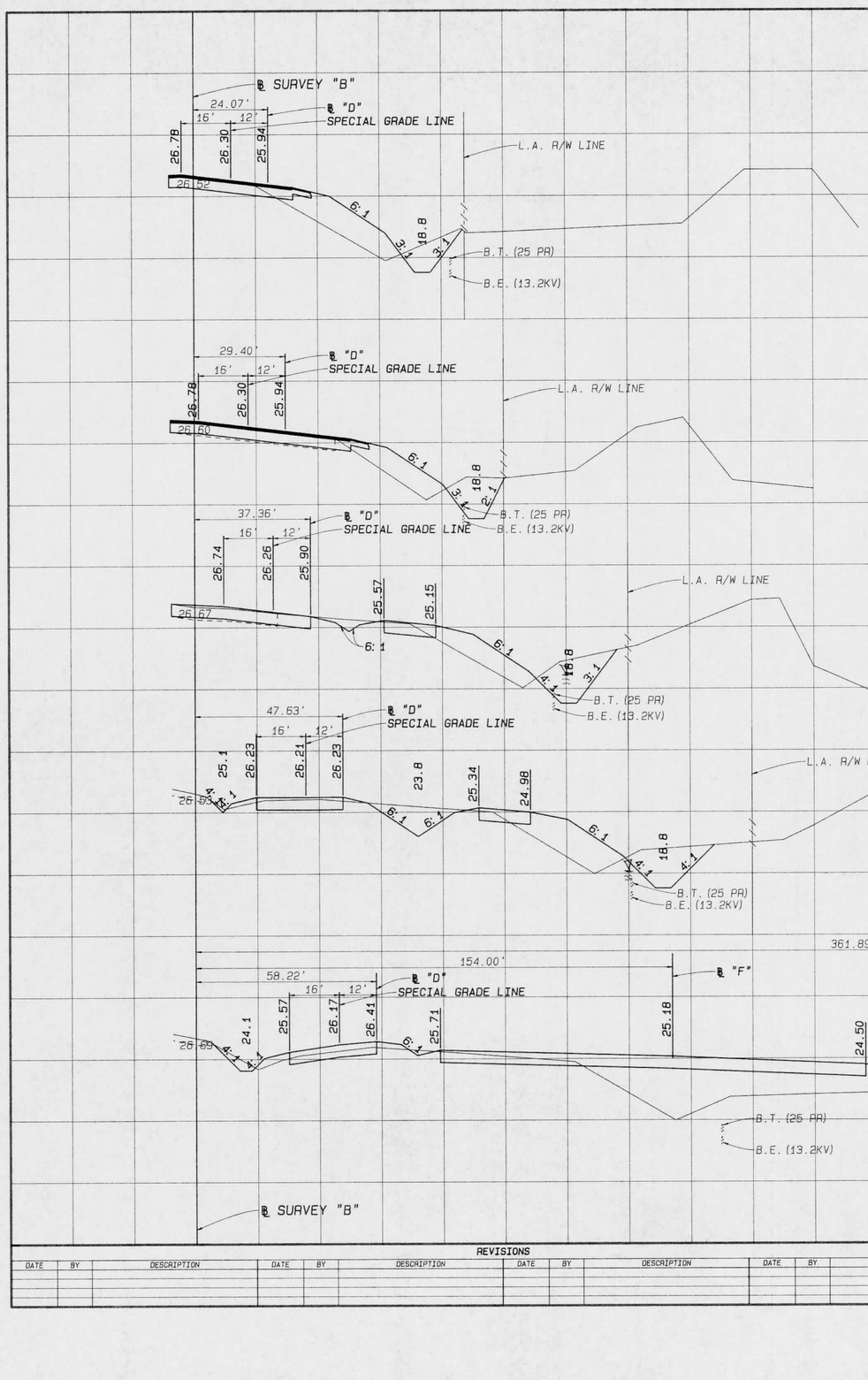
XS-89	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY ____ DATE 12/6/91

Boyle Engineering Corporation of Florida
engineers | architects | surveyors
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS NORTHBOUND I-75

<JUNBLE>TASK>M.BIGGS>WEIGH>PUNTA>XS.XS-89 SPOOLED BY CLEGG ON 23 SEP 1991 AT 16:50:09



44+00.00 ℄ "B"
154+66.23 ℄ "D"

43+00.00 ℄ "B"
153+66.09 ℄ "D"

42+00.00 ℄ "B"
152+65.77 ℄ "D"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

41+00.00 ℄ "B"
151+65.24 ℄ "D"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWING

40+00.00 ℄ "B"
150+64.68 ℄ "D"
13+72.62 ℄ "F"
38+61.83 ℄ "F"

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

STATE PROJ. NO.	SHEET NO.
01075-3427	53

Adwy. Exc. A	Adwy. Exc. V	Fill A	Fill V

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-B10	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7800

CROSS SECTIONS NORTHBOUND I-75

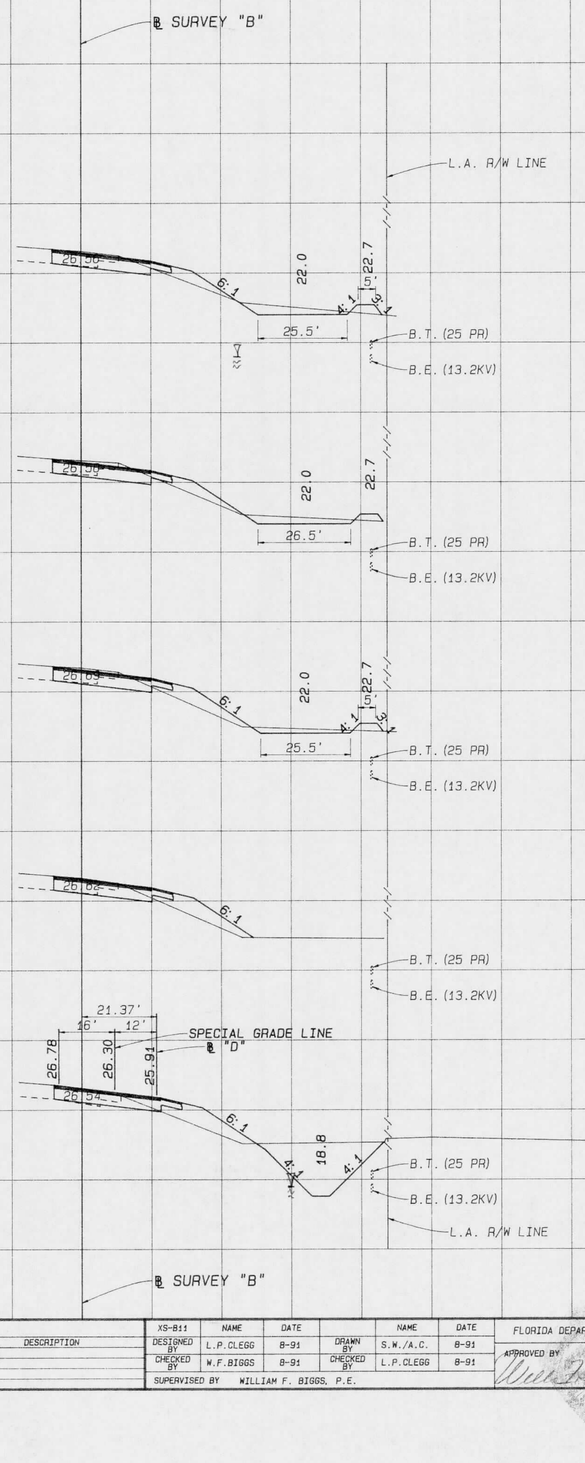
409592 .00

53

STATE PROJ. NO.	SHEET NO.
01075-3427	54

Adwy. Exc.		Fill	
A	V	A	V

RECEIVED
SOUTHWEST FLA. WATER MANAGEMENT DIST.
DEC 09 1991
RRD-VENICE



PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-811	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY [signature] DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

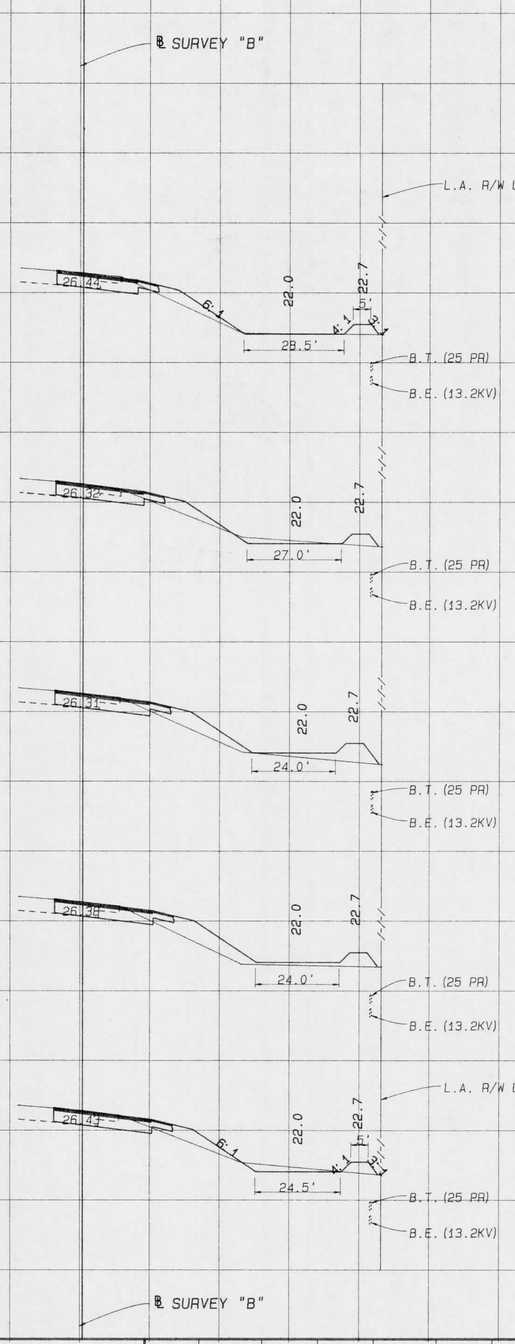
CROSS SECTIONS NORTHBOUND I-75

409592 .00

54

STATE PROJ. NO.	SHEET NO.
01075-3427	55

Rdwy. Exc.		Fill	
A	V	A	V



THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-B12	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY _____ DATE 12/2/91

Boyle Engineering Corporation of Florida
5812-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

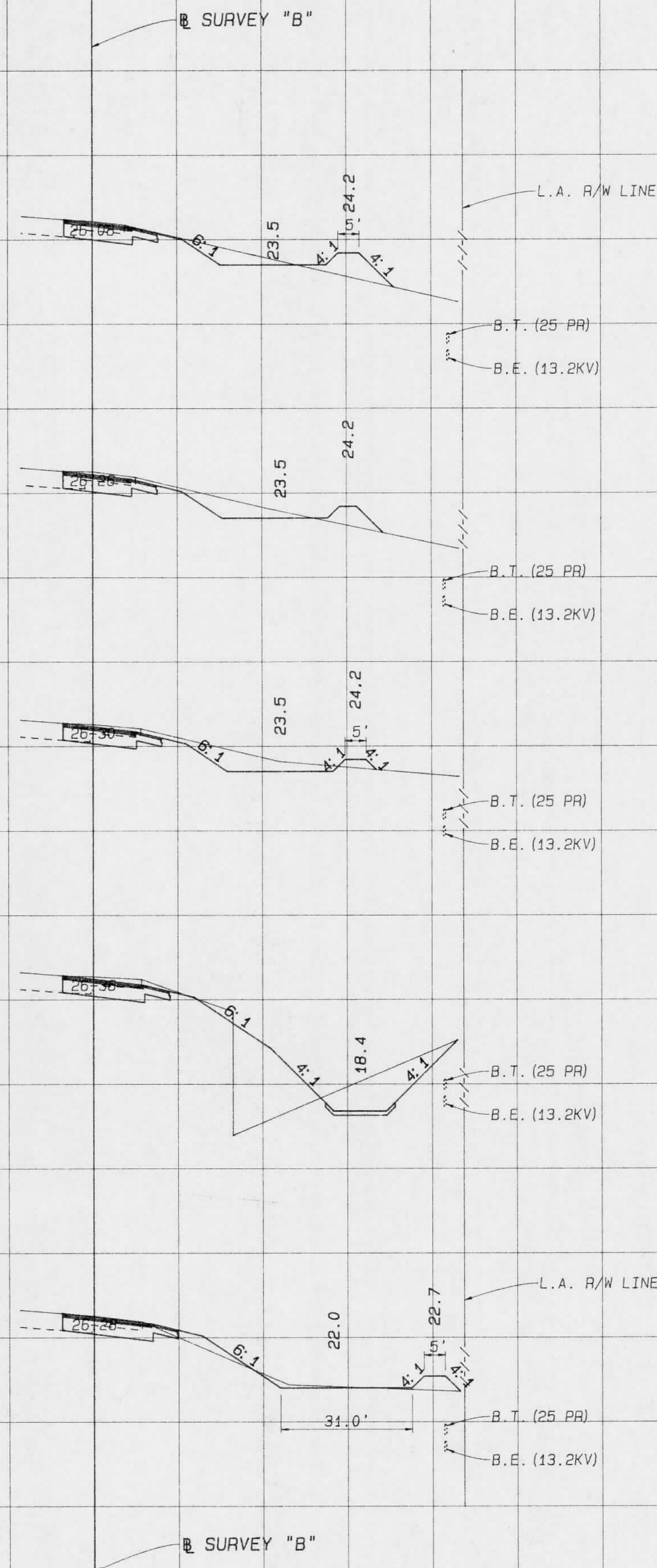
CROSS SECTIONS NORTHBOUND I-75

409592 .00

STATE PROJ. NO.	SHEET NO.
01075-3427	56

Rdwy. Exc.		Fill	
A	V	A	V

RECEIVED
Southwest Florida Water Management District
DEC 0 9 1991
RRD-VENICE



59+00.00 ℄ "B"

58+00.00 ℄ "B"

57+00.00 ℄ "B"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

56+00.00 ℄ "B"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

55+00.00 ℄ "B"

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-B13	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY DATE 12/6/91

Boyle Engineering Corporation of Florida
engineers | architects | surveyors
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS NORTHBOUND I-75

<JUMBLE>TASK>M.BIGGS>WEIGH>PUNTA>s.xs-b13 SPOOLED BY CLEGG ON 03 DEC 1991 AT 16:56:39

409592 .00

STATE PROJ. NO.	SHEET NO.
01075-3427	57

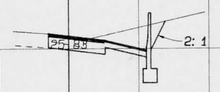
Rdwy. Exc.		Fill	
A	V	A	V

RECEIVED
Southwest Florida Water Management District
DEC 09 1991
RRD-VENICE

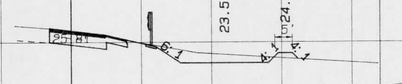
℄ SURVEY "B"

L.A. R/W LINE

63+00.00 ℄ "B"



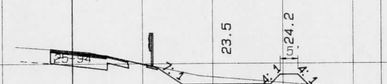
62+00.00 ℄ "B"



B.T. (25 PR)

61+00.00 ℄ "B"

PERMITTEE SHALL NOTIFY IN WRITING THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.



L.A. R/W LINE

B.T. (25 PR)

B.E. (13.2KV)

60+00.00 ℄ "B"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT PERMITTED CONSTRUCTION DRAWINGS

FILE OF RECORD
PERMIT NO. 409592.00

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

Imaged As Is

℄ SURVEY "B"

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-814	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY: [signature] DATE: 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7800

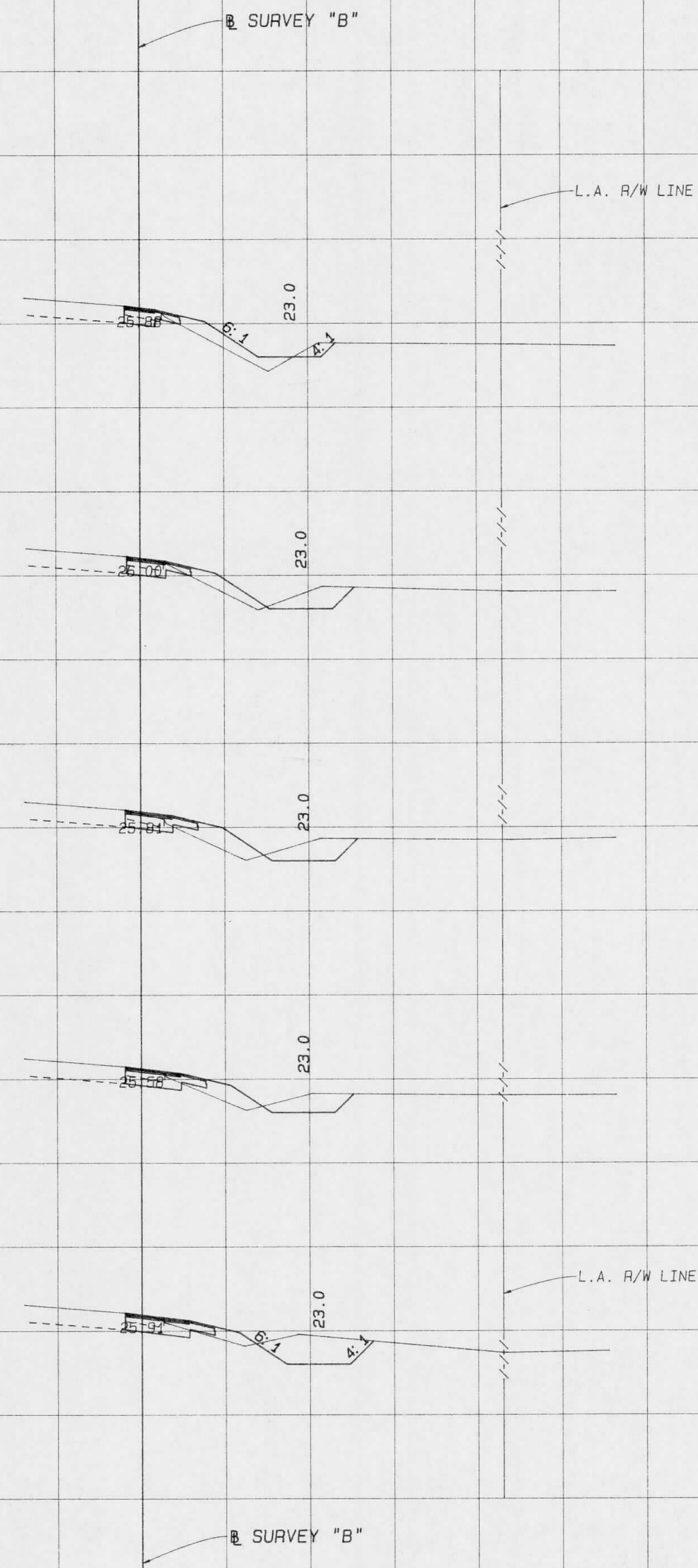
CROSS SECTIONS NORTHBOUND I-75

409592 .00

57

STATE PROJ. NO.	SHEET NO.
01075-3427	58

Rdwy. Exc.		Fill	
A	V	A	V



SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD PERMIT NO. 409592.00

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-B15	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY DATE 12/6/91

Boyle Engineering Corporation of Florida
engineers | architects | surveyors
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS NORTHBOUND I-75

<JUMBLE>TASK>M.BIGGS>WEIGH>PUNTA>S.XS-B15 SPOOLED BY CLEGG ON 02 DEC 1991 AT 11:27:05

STATE PROJ. NO.	SHEET NO.
01075-3427	59

Rdwy. Exc. A	Rdwy. Exc. V	Fill A	Fill V

RECEIVED
Southwest Florida Water Management District
DEC 11 1991
RRD-VENICE

℄ SURVEY "B"

L.A. R/W LINE

25.50

73+00.00 ℄ "B"

25.53

72+00.00 ℄ "B"

END PROJECT
END EARTHWORK NORTHBOUND
STA. 71+57.16 ℄ SURVEY "B"

25.77 6:1 23.0 4:1 23.7 4:1

71+00.00 ℄ "B"

25.80 23.0 23.7

70+00.00 ℄ "B"

PERMITTEE SHALL OBTAIN ALL APPLICABLE PERMITS FROM THE VENICE PERMITTING DEPARTMENT, SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT, WHEN CONSTRUCTION BEGINS.

25.87 6:1 23.0 4:1 23.7 4:1

L.A. R/W LINE

69+00.00 ℄ "B"

SOUTHWEST FLORIDA WATER MANAGEMENT DISTRICT
PERMITTED CONSTRUCTION DRAWINGS

Imaged As Is

℄ SURVEY "B"

SCALE: 1" = 20' HORIZ.
1" = 5' VERT.

FILE OF RECORD
PERMIT NO. 409592.00

REVISIONS											
DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION	DATE	BY	DESCRIPTION

XS-B16	NAME	DATE		NAME	DATE
DESIGNED BY	L.P.CLEGG	8-91	DRAWN BY	S.W./A.C.	8-91
CHECKED BY	W.F.BIGGS	8-91	CHECKED BY	L.P.CLEGG	8-91
SUPERVISED BY	WILLIAM F. BIGGS, P.E.				

FLORIDA DEPARTMENT OF TRANSPORTATION
APPROVED BY [signature] DATE 12/6/91

Boyle Engineering Corporation of Florida
5912-A Breckenridge Parkway, Tampa, FL 33610-4251 813/621-7900

CROSS SECTIONS
NORTHBOUND I-75

409592.00

59

<JUMBLE>TASK>M.BIGGS>WEIGH>PUNTA>s_xs-b16 SPOOLED BY CLEGG ON 02 DEC 1991 AT 11:35:13