

**Lee County Board Of County Commissioners
Agenda Item Summary**

Blue Sheet No. 20050662

1. ACTION REQUESTED/PURPOSE:

Board of County Commissioners (BoCC) approval for the Chairman to execute the attached Resolution and State of Florida Department of Transportation (FDOT) Highway Landscaping Installation and Maintenance Agreement. BoCC approval is required for the execution of the Resolution and Agreement

2. WHAT ACTION ACCOMPLISHES:

Adopts a Resolution, authorizing the BoCC Chairman to execute the Resolution and Agreement, allowing FDOT and Lee County to participate in the installation of landscaping and irrigation improvements within FDOT's jurisdiction along the soon to be completed four lane widening project along Business 41 between Pine Island Road and Littleton Road.

3. MANAGEMENT RECOMMENDATION: Recommend approval.

4. Departmental Category: 9

CRA

5. Meeting Date: *06-07-2005*

6. Agenda:
<input checked="" type="checkbox"/> Consent
<input type="checkbox"/> Administrative
<input type="checkbox"/> Appeals
<input type="checkbox"/> Public
<input type="checkbox"/> Walk-On

7. Requirement/Purpose: (specify)
<input checked="" type="checkbox"/> Statute <u>334.044</u>
<input type="checkbox"/> Ordinance
<input type="checkbox"/> Admin. Code
<input type="checkbox"/> Other

8. Request Initiated:
Commissioner _____
Department <u>Transportation</u>
Division <u>Operations</u>
By: <u>Scott M. Gilbertson, P.E., Director</u>

9. Background:

This landscaping project was originally part of the North Ft. Myers CRA.
 FDOT requires an executed resolution and agreement with the County before authorizing a permit for installation.
 This landscape and irrigation project was presented to the Lee County Roadway Landscape Advisory Committee on October 1, 2002.
 The project's installation will be funded in part by funds from the CRA. Remaining funding will come from the funds designated for intensified landscaping by the RLAC as mentioned in Blue Sheet 20021132.

10. Review for Scheduling:

Department Director	Purchasing or Contracts	Human Resources	Other	County Attorney	Budget Services				County Manager/P.W. Director
					Analyst	Risk	Grants	Mgr.	
<i>Initial</i>	<i>NA</i>	<i>NA</i>		<i>Debra</i>	<i>RK 5/17</i>	<i>5/17/05</i>	<i>5/17/05</i>	<i>5/19/05</i>	<i>513-05</i>

11. Commission Action:

- Approved**
- Deferred**
- Denied**
- Other**

Rec. by CoAtty
 Date: *5/17/05*
 Time: *1:45*
 Forwarded To: *Admin. 5/17/05*

RECEIVED BY COUNTY ADMIN:
5-17-05
gmm
 COUNTY ADMIN
 FORWARDED TO: *5/17/05*
11-3-05

LEE COUNTY RESOLUTION NO. _____

A RESOLUTION BY THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA, AUTHORIZING THE CHAIRMAN TO ENTER INTO A STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION HIGHWAY LANDSCAPING INSTALLATION AND MAINTENANCE AGREEMENT BETWEEN LEE COUNTY GOVERNMENT AND THE DEPARTMENT OF TRANSPORTATION FOR LANDSCAPE MAINTENANCE OF BUSINESS 41(SR 45, SECTION 12001000, BETWEEN MILE POSTS 2.747 AND 3.849) ASSOCIATED WITH THE FOUR LANE WIDENING PROJECT BETWEEN PINE ISLAND ROAD AND LITTLETON ROAD.

WHEREAS, landscaping provides beautification to our community; and

WHEREAS, Lee County desires to landscape and irrigate the roadsides and medians along Business 41 between Pine Island Road and Littleton Road; and

WHEREAS, Lee County desires to enter into a Highway Landscaping Installation and Maintenance agreement with the State of Florida Department of Transportation Department.

NOW THEREFORE, BE IT RESOLVED BY THE BOARD OF COUNTY COMMISSIONERS OF LEE COUNTY, FLORIDA, that:

Section 1: The Board of County Commissioners supports the Highway Landscaping Installation and Maintenance Agreement for this landscaping and irrigation project along Business 41.

Section 2: The Board of County Commissioners hereby authorizes the Chairman of the Board of County Commissioners to enter into the Highway Landscaping Installation and Maintenance Agreement between Lee County and State of

Florida Department of Transportation.

The foregoing Resolution was offered by Commissioner _____, who moved its adoption. The motion was seconded by Commissioner _____ and, being put to a vote, the vote was as follows:

BOB JANES _____
DOUGLAS ST. CERNY _____
RAY JUDAH _____
TAMMY HALL _____
JOHN ALBION _____

DULY PASSED AND ADOPTED this _____ day of _____, 2005.

ATTEST: CHARLIE GREEN
CLERK OF THE COURT

BOARD OF COUNTY COMMISSIONERS
OF LEE COUNTY, FLORIDA

By: _____

Deputy Clerk

By: _____

Chairman

APPROVED AS TO FORM:

By: _____

Office of the County Attorney

**STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
HIGHWAY LANDSCAPING INSTALLATION
AND MAINTENANCE AGREEMENT**

THIS AGREEMENT, made and entered into this ____ day of _____, 20 __, by and between the **STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION**, hereinafter referred to as the “**DEPARTMENT**”, and **BOARD OF COUNTY COMMISIONERS OF LEE COUNTY**, hereinafter referred to as the “**AGENCY**”.

WITNESSETH

WHEREAS, the **DEPARTMENT** has jurisdiction over and maintains State Road 45 as part of the State Highway System; and

WHEREAS, the **AGENCY** seeks to install and maintain certain landscape development improvements within the unpaved areas within the right-of-way of State Road 45; Section 12001000 from Mile Post 2.747 to Mile Post 3.849, hereinafter referred to as the “**PROJECT**”; and

WHEREAS, the parties hereto mutually recognize the need for entering into an Agreement designating and setting forth the responsibilities of each party; and

WHEREAS, the **AGENCY** by Resolution dated _____, a copy of which is attached hereto and made a part hereof, has authorized its _____ to enter into this Agreement on behalf of the **AGENCY**;

NOW, THEREFORE, for and in consideration of the mutual benefits to flow each to the other, the parties covenant and agree as follows:

1. The **AGENCY** hereby assures the **DEPARTMENT**, that prior to submitting this Agreement, it has:

- (a) Ascertained the location of all existing utilities, both aerial and underground. A letter of notification and plan of the landscape development improvements was mailed on _____, to the following utilities/municipalities:

- (b) Complied with all permit requirements from the appropriate agencies (county, municipality, etc.) in connection with the activities described hereunder.

Outdoor advertising is specifically excluded from this Agreement in accordance with

Section 479.11, Florida Statutes.

2. The **AGENCY** hereby agrees to install the landscape improvements in accordance with the Landscape Development Plan included as **Exhibit "A"**, attached hereto and by this reference made a part hereof. Such installation shall be in conformance with Rule 14-40, Florida Administrative Code, and the Highway Landscape Beautification and Plan Review Procedure (Topic 650-050-001-c), as they may be amended from time to time.

3. The **AGENCY** agrees to maintain the landscape improvements in accordance with the Technical Maintenance Plan included as **Exhibit "B"**, attached hereto and by this reference made a part hereof.

4. Designated personnel as directed by the District Secretary or his designee may inspect and evaluate this project and issue a written report if a deficiency or unsatisfactory condition is noted. If deficiencies and/or unsatisfactory conditions are not corrected within thirty (30) days, the District Secretary or his designee shall have the option to do one of two things:

- (a) Correct and maintain the landscape improvements with **DEPARTMENT's** contractor or **DEPARTMENT's** personnel and charge the **AGENCY** for the reasonable value of said work.
- (b) Remove by **DEPARTMENT's** contractor or **DEPARTMENT's** personnel all landscape improvements, return the right-of-way to its original condition and charge the **AGENCY** the reasonable value for such work.

5. To the extent permitted by Section 768.28, Florida Statutes, the **AGENCY** shall indemnify, defend, save and hold harmless, the **DEPARTMENT** and all of its officers, agents or employees from all suits, actions, claims, demands, liability of any nature whatsoever arising out of, because of, or due to breach of this Agreement by the **AGENCY**, its officers, agents, or employees or due to any negligent act or occurrence of omission or commission of the **AGENCY**, its officers, agents, or employees. Neither the **AGENCY**, nor any of its officers, agents, or employees will be liable under this section for damages arising out of injury or damage to persons or property directly caused or resulting from the negligence of the **DEPARTMENT** or any of its officers, agents or employees.

6. The **AGENCY** covenants to keep in force during the period of this Agreement public liability insurance, property damage insurance and worker's compensation insurance through an insurance policy(ies) or the **AGENCY's** self insurance program.

7. This Agreement shall remain in effect until such time the **AGENCY** or **DEPARTMENT** wishes to cancel said agreement and this shall be done in writing giving the **AGENCY** or **DEPARTMENT** thirty (30) days notice. All landscape improvements shall be removed by the **AGENCY** and the **DEPARTMENT's** right-of-way returned to its original condition. If, after thirty (30) days, the landscape improvements have not been removed, the **DEPARTMENT** may, at its option, proceed as follows:

- (a) Maintain the landscape improvements within the limits of said project with **DEPARTMENT's** contractor or personnel and charge the **AGENCY** for the reasonable value of said work;
OR
- (b) Remove by **DEPARTMENT's** contractor or personnel all of the landscape improvements, return the right-of-way to its original condition, and charge the **AGENCY** for the reasonable value of such work.

8. The term of this Agreement commences upon execution by both parties.

9. This writing embodies the entire Agreement and understanding between the parties hereto and there are no other agreements and understanding, oral or written, with reference to the subject matter hereof that are not merged herein and superseded hereby.

10. This Agreement may not be assigned or transferred by the **AGENCY** in whole or part without the consent of the **DEPARTMENT**.

11. This Agreement shall be governed by and construed in accordance with the laws of the state of Florida. In the event of a conflict between any portion of the Agreement and Florida law, the laws of Florida shall prevail.

IN WITNESS WHEREOF, the parties hereto have caused these presents to be executed the day and year first above written.

BOARD OF COUNTY COMMISSIONERS
OF LEE COUNTY, FLORIDA

STATE OF FLORIDA
DEPARTMENT OF TRANSPORTATION

BY: _____
TITLE: _____

BY: _____
District Secretary

ATTEST: _____ (SEAL)
TITLE: _____

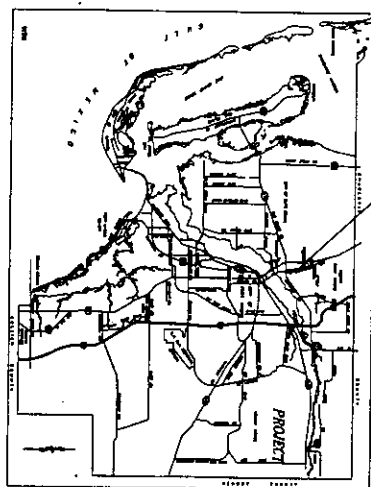
ATTEST: _____
Executive Secretary

Legal Review:

District Legal Counsel

U.S. BUSINESS 41 HIGHWAY BEAUTIFICATION PLANS

(SR 78 to Littleton Road)
 U S Business 41 (State Road 739)
 SECTION # 12001000
 PROJECT BEGIN-STA. 213+94.94 (M.P. 2.7477)
 PROJECT END-STA. 274+02.12 (M.P. 3.849)
 POSTED SPEED LIMIT 45 MPH



LOCATION MAP

TOTAL LANDSCAPE AREA= .51 ACRES,
 PROJECT AREAS LESS THAN 10 ACRE
 EPA NPDES PERMIT NOT REQUIRED.

PREPARED FOR:

LEE COUNTY DEPARTMENT OF TRANSPORTATION
 5560 ZIP DRIVE
 FORT MYERS, FLORIDA 33905
 TEL: (239) 694-3334

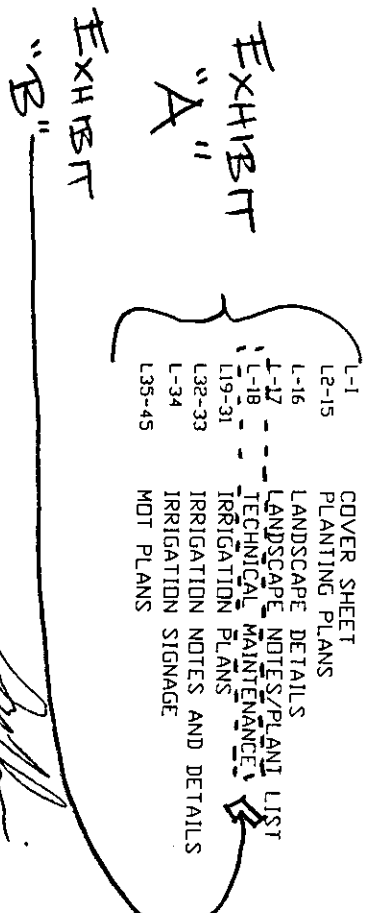
PREPARED BY:

DAVID M. JONES, JR. AND ASSOCIATES, INC.
 2221 MCGREGOR BOULEVARD
 FORT MYERS, FLORIDA 33905
 TEL: (239) 694-3332

INVESTIGATE BEFORE YOU
 EXCAVATE
 "CALL SUNSHINE STATE DMC"
 1-800-432-4770
 TOLL FREE
 FLORIDA STATUTE REQUIRES MIN.
 5 DAYS NOTICE BEFORE YOU EXCAVATE

FDOT Maintenance Fort Myers
 to be contacted
 48 hours prior to
 construction beginning

100% PLANS NOT FOR CONSTRUCTION
 UNLESS APPROVED BY F.D.O.T.



SHEET #	SHEET INDEX
L-1	COVER SHEET
L-15	PLANTING PLANS
L-16	LANDSCAPE DETAILS
L-17	LANDSCAPE NOTES/PLANT LIST
L-18	TECHNICAL MAINTENANCE
L19-31	IRRIGATION PLANS
L32-33	IRRIGATION NOTES AND DETAILS
L-34	IRRIGATION SIGNAGE
L35-45	MOT PLANS

REGISTERED L.A.
 DATE 8/40
 4/19/05

PROJECT NO.
 SHEET NUMBER

DATE: 2/18/05
 COVER

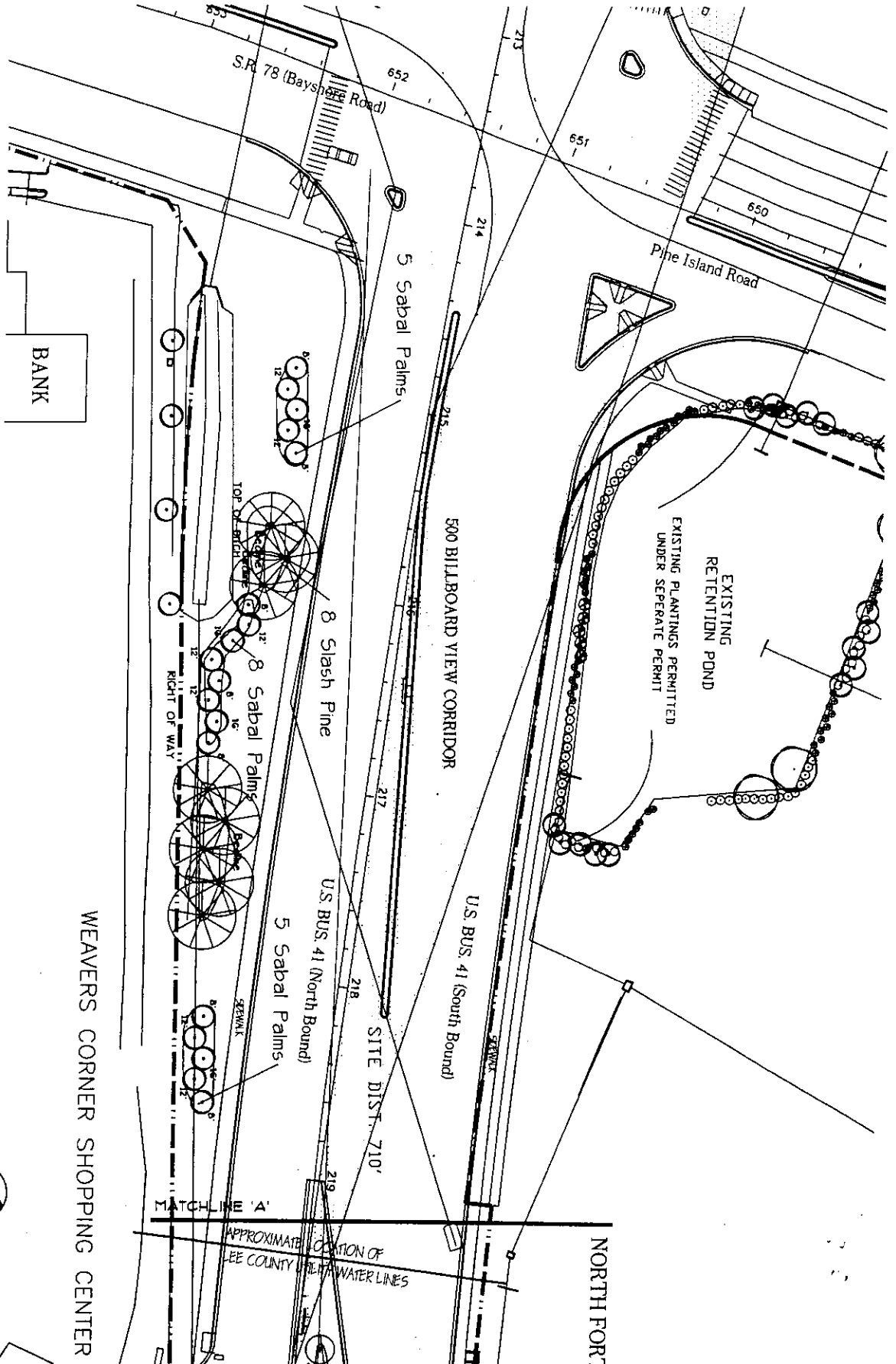
LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
 LEE COUNTY
 SOUTH WEST FLORIDA 239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901
 (941) 337-5525 FAX (941) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS
 OF WORK ARE NOT SHOWN. CONTRACTOR
 TO VERIFY ALL UTILITY LOCATIONS
 PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



PROJECT NO.
 576-34-01

DATE
 2/18/05

PROJECT LOCATION
 Landscapes

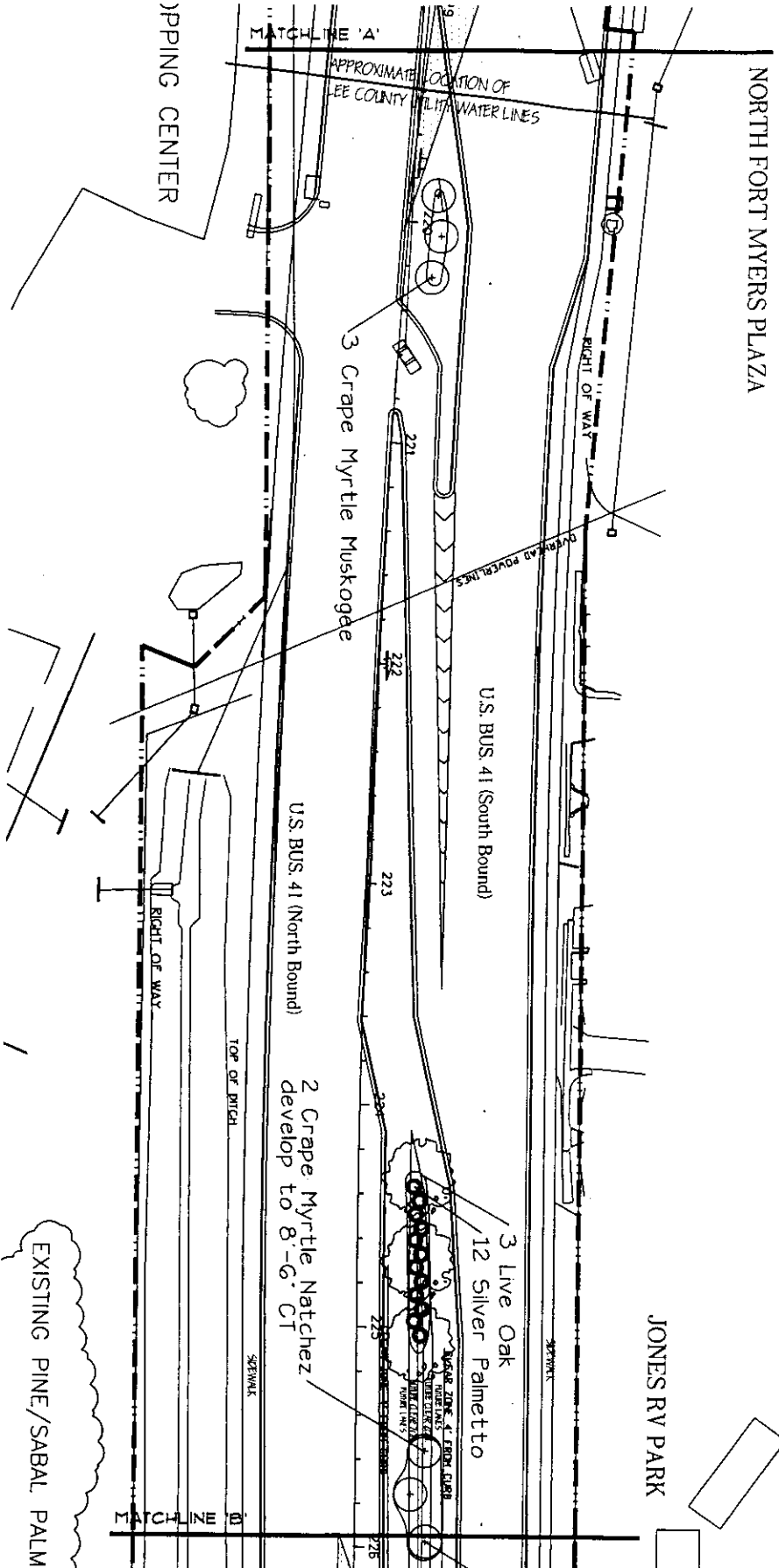
PROJECT NUMBER
 L-2

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT
 OF
TRANSPORTATION
 LEE COUNTY
 SOUTHWEST FLORIDA 239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BLOKLEYARD FORT MYERS, FLORIDA 33901
 (813) 337-5525 FAX (813) 337-4494

UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



REVISED DATE

PART NUMBER
L-3

PART DESCRIPTION
Landscape

DATE
2/18/05

PROJECT NO.
576-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

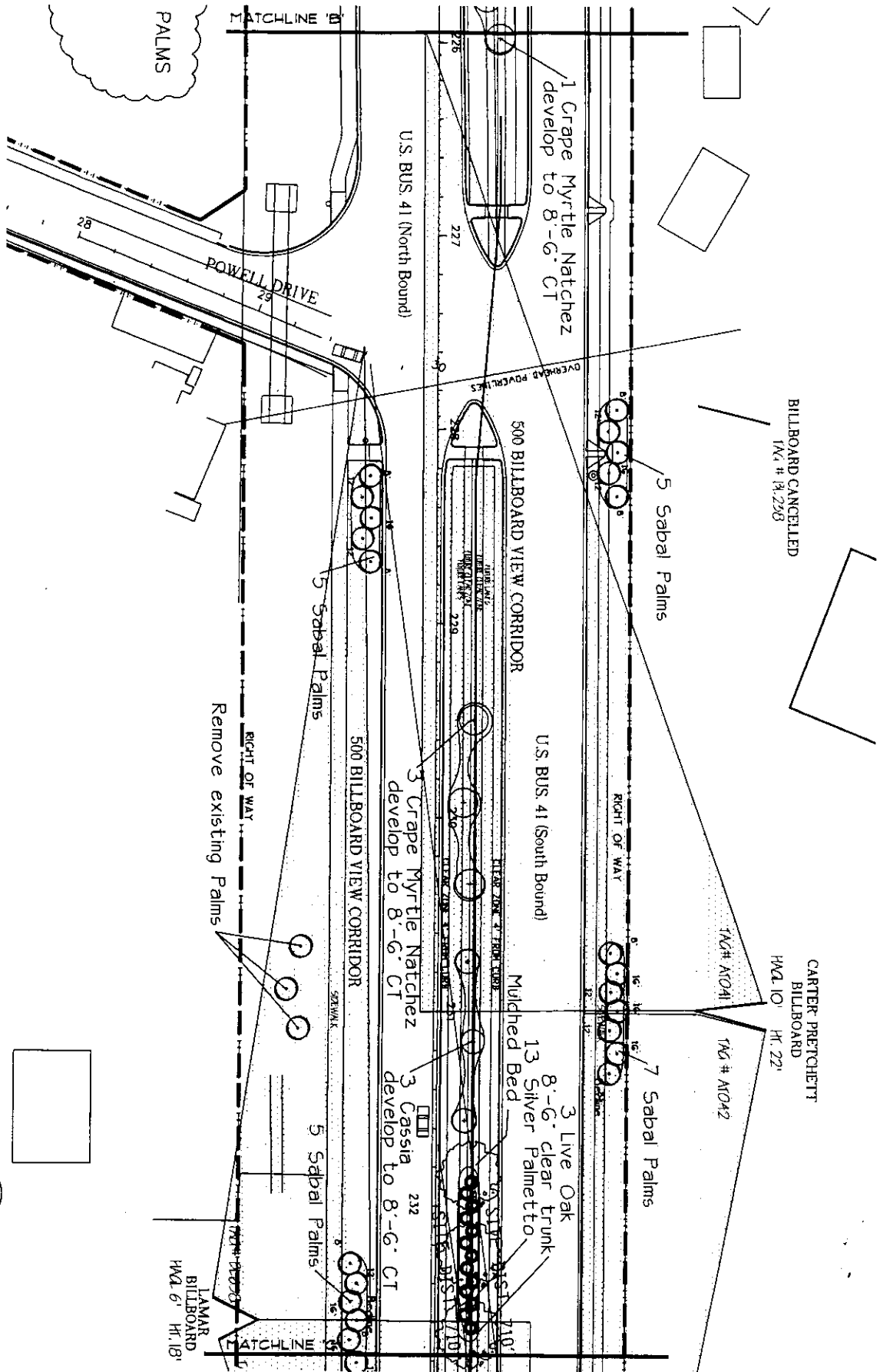


DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTH WEST FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA, 33901
(813) 337-5525 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



BILLBOARD CANCELLED
TAG # 13, 228

CARTER PRETCHETT
BILLBOARD
HWL 10' Ht. 22'

SCALE 1" = 50'



PROJECT NAME:
L - 4

DATE: 2/18/05
PROJECT DESCRIPTION: Landscape
PROJECT NUMBER: L - 4

LANDSCAPE ARCHITECTURAL PLANS FOR
U.S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA



DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901
(813) 337-5525 FAX (813) 337-4494

UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

SCALE

SCALE 1" = 50'



PROPOSED DATE

Empty rectangular box for proposed date.

SHEET NUMBER

L-5

PROJECT: U.S. Business 41
Landscape

DATE: 2/18/05

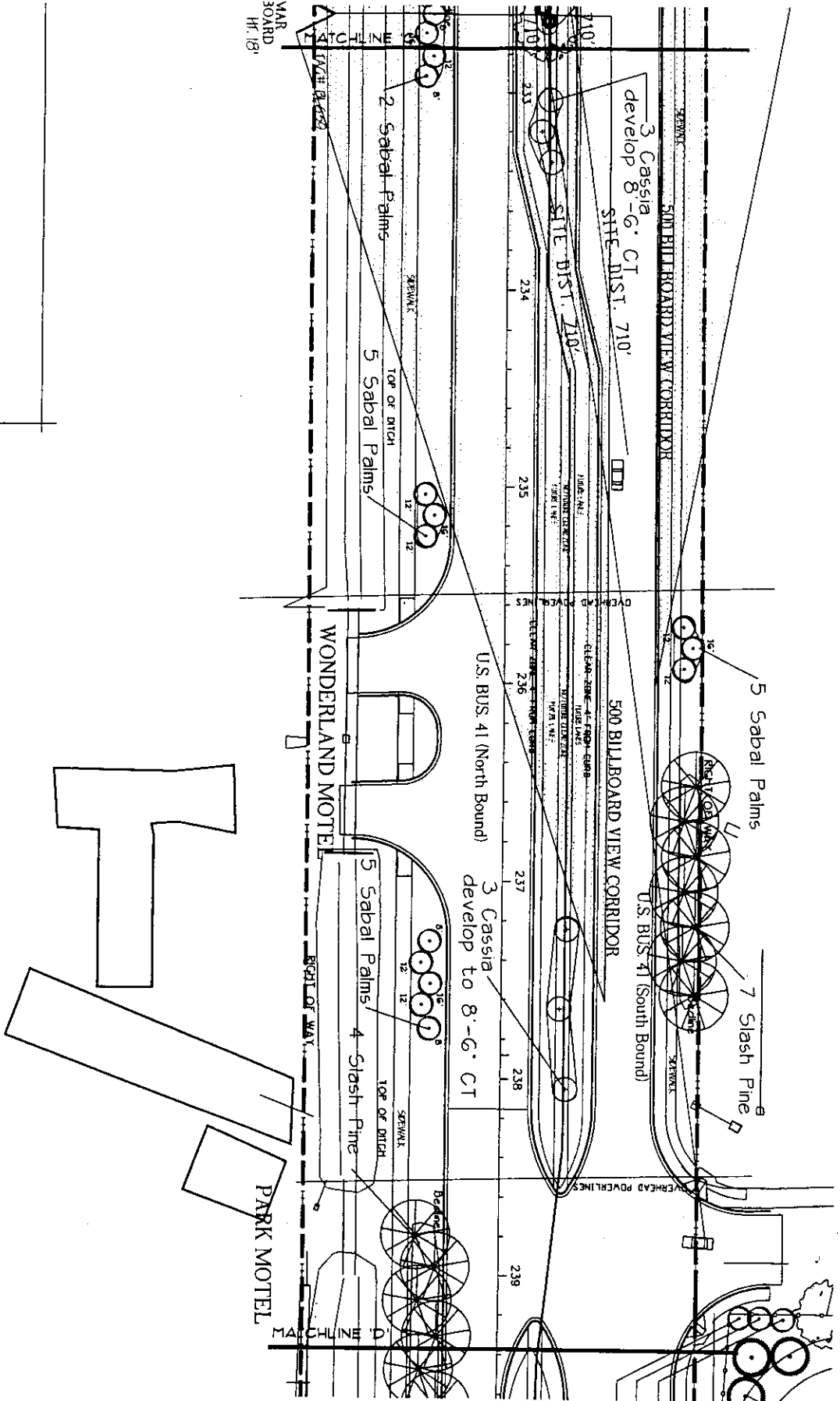
PROJECT NO.: 576-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

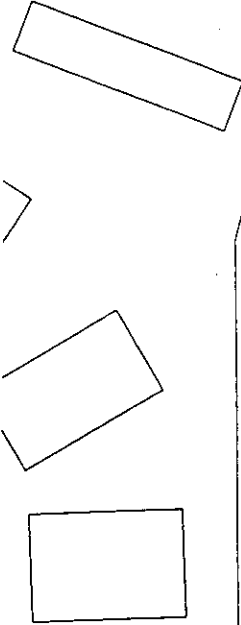
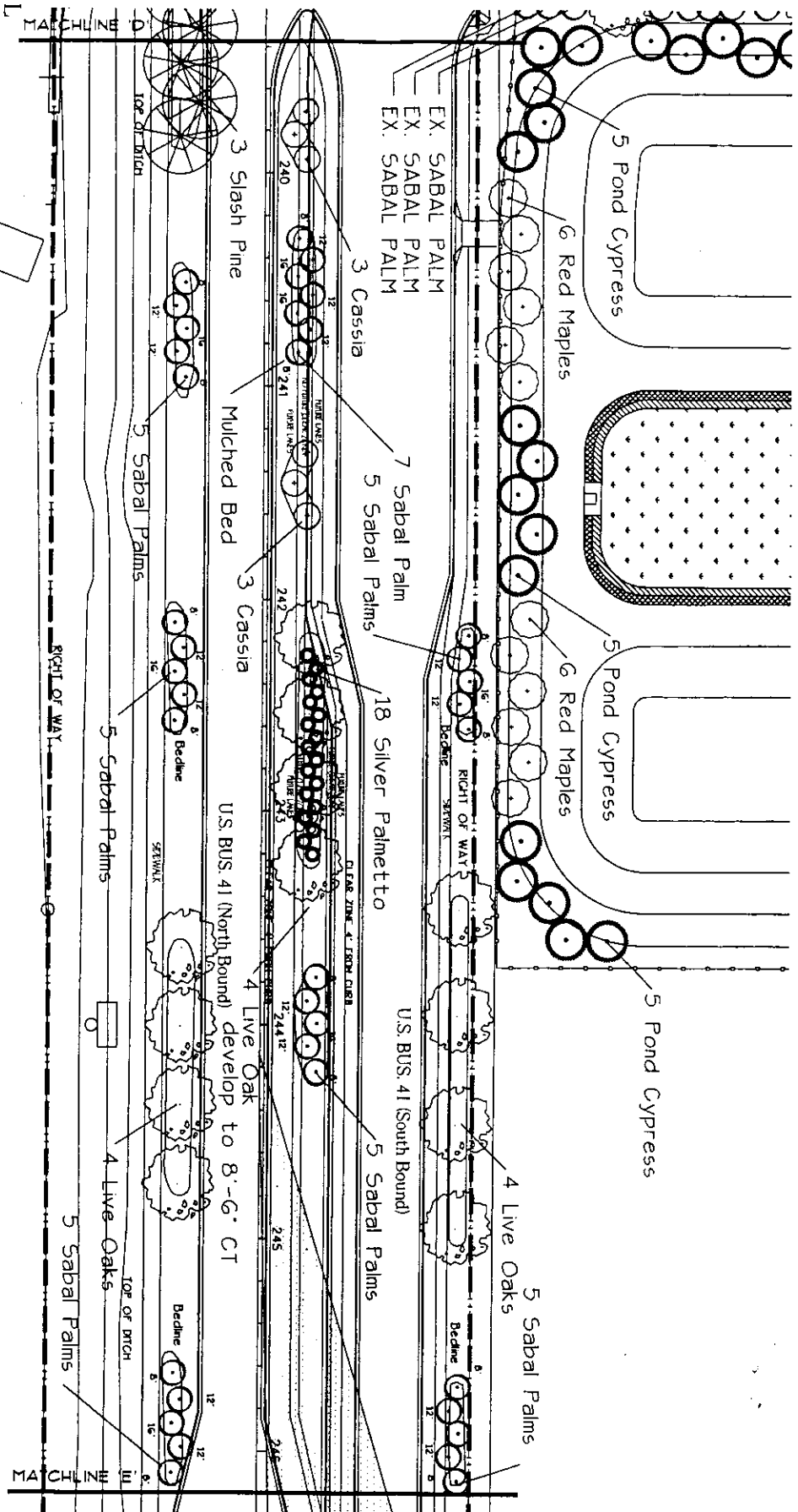


DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTH WEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BLOULEVARD FORT MYERS FLORIDA 33901
(813) 337-5525 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS
OF WORK ARE NOT SHOWN. CONTRACTOR
TO VERIFY ALL UTILITY LOCATIONS
PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



PROJ. NAME:
U.S. BUSINESS 41

PROJ. NO.:
SR 78

DATE:
2/18/05

PROJECT:
LANDSCAPE ARCHITECTURE

PROJECT NO.:
576-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

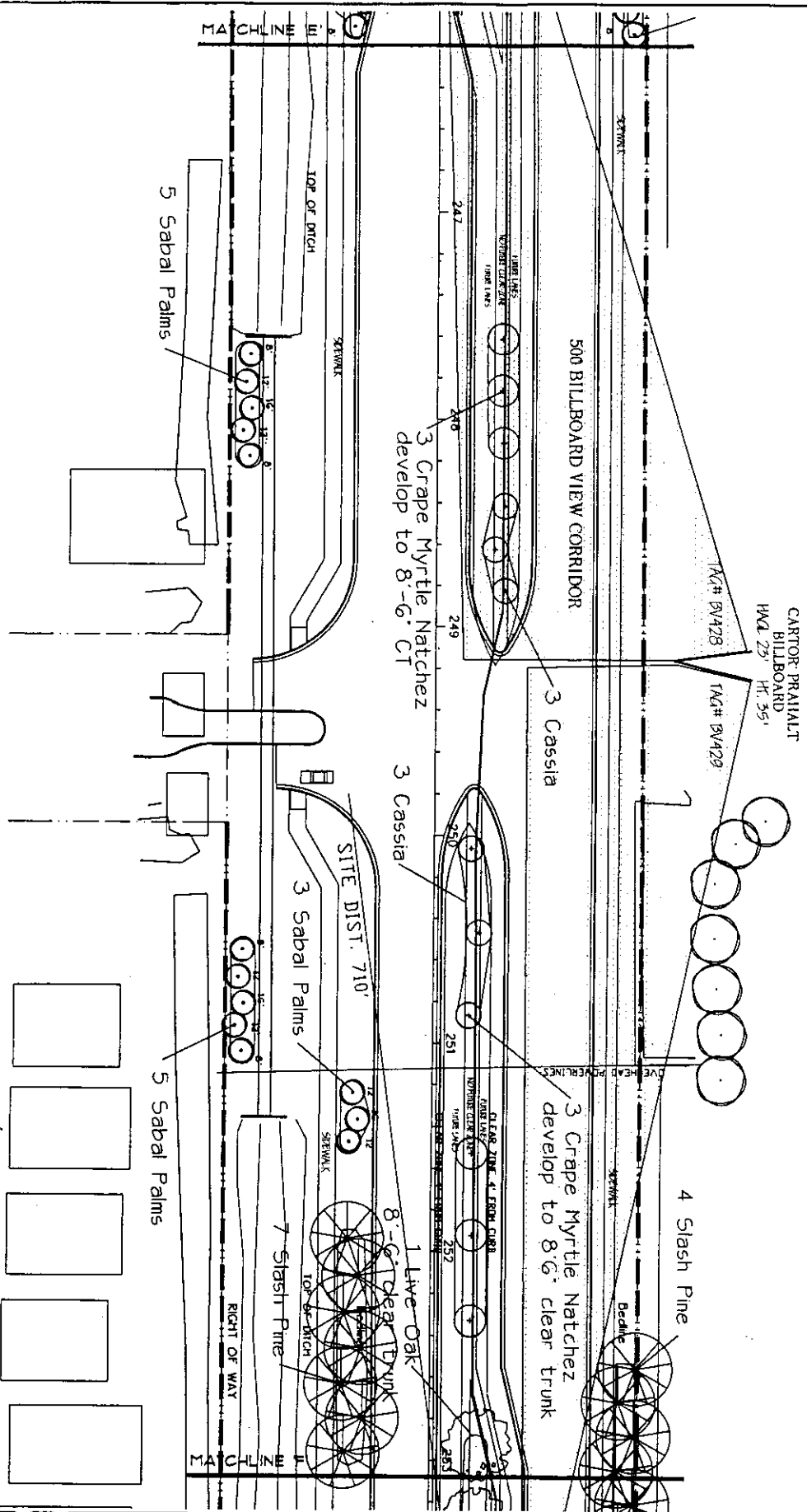


DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTH WEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
221 MCGREGOR BLOULEYARD FORT MYERS, FLORIDA 33901
(813) 337-5525 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



PROJECT DATE

SHEET NUMBER

SHEET DESCRIPTION
Landscape

DATE
2/18/05

PROJECT NO.
578-34-01

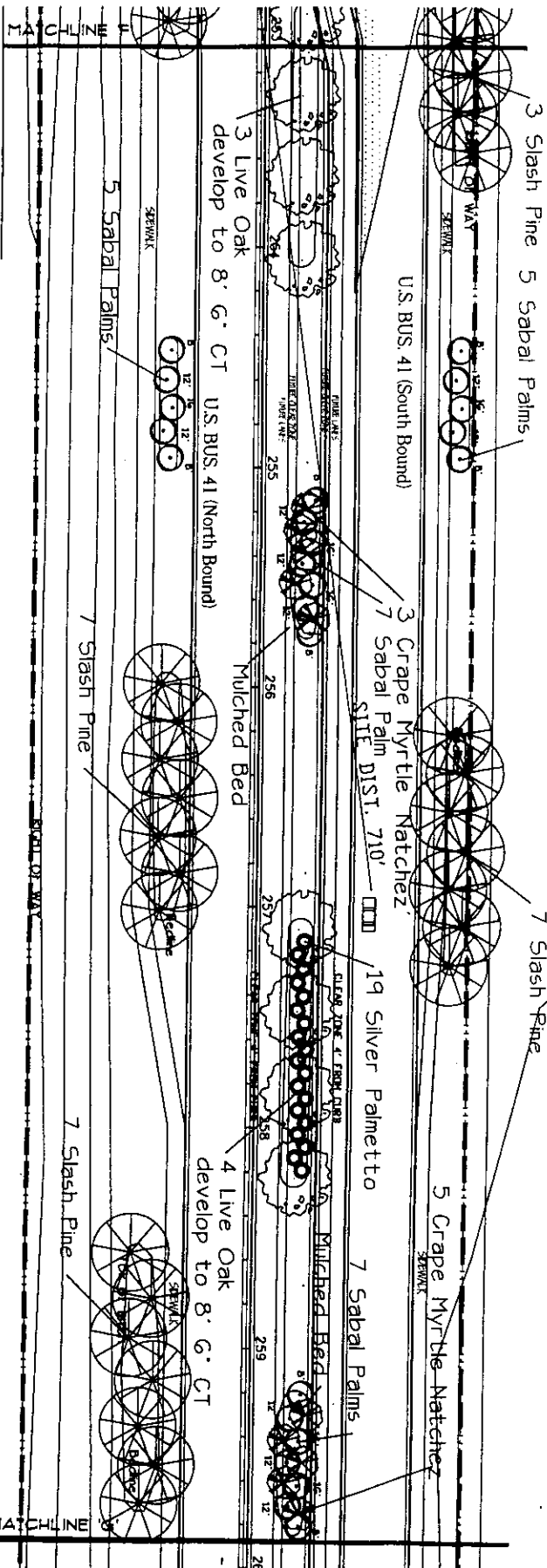
LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA



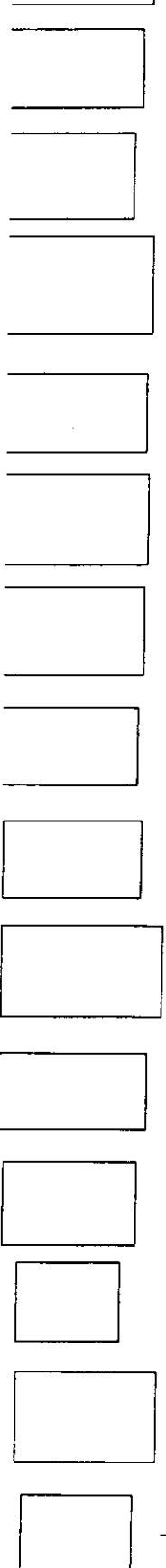
DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTH WEST FLORIDA (259) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA, 33901
18131 337-5525 FAX 18131 337-4494





UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITIES LOCATIONS PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



REVISED DATE

PROJECT NO. 576-34-01
DATE 2/18/05
SHEET NUMBER 1-8
DIRECTOR OF LANDSCAPE

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

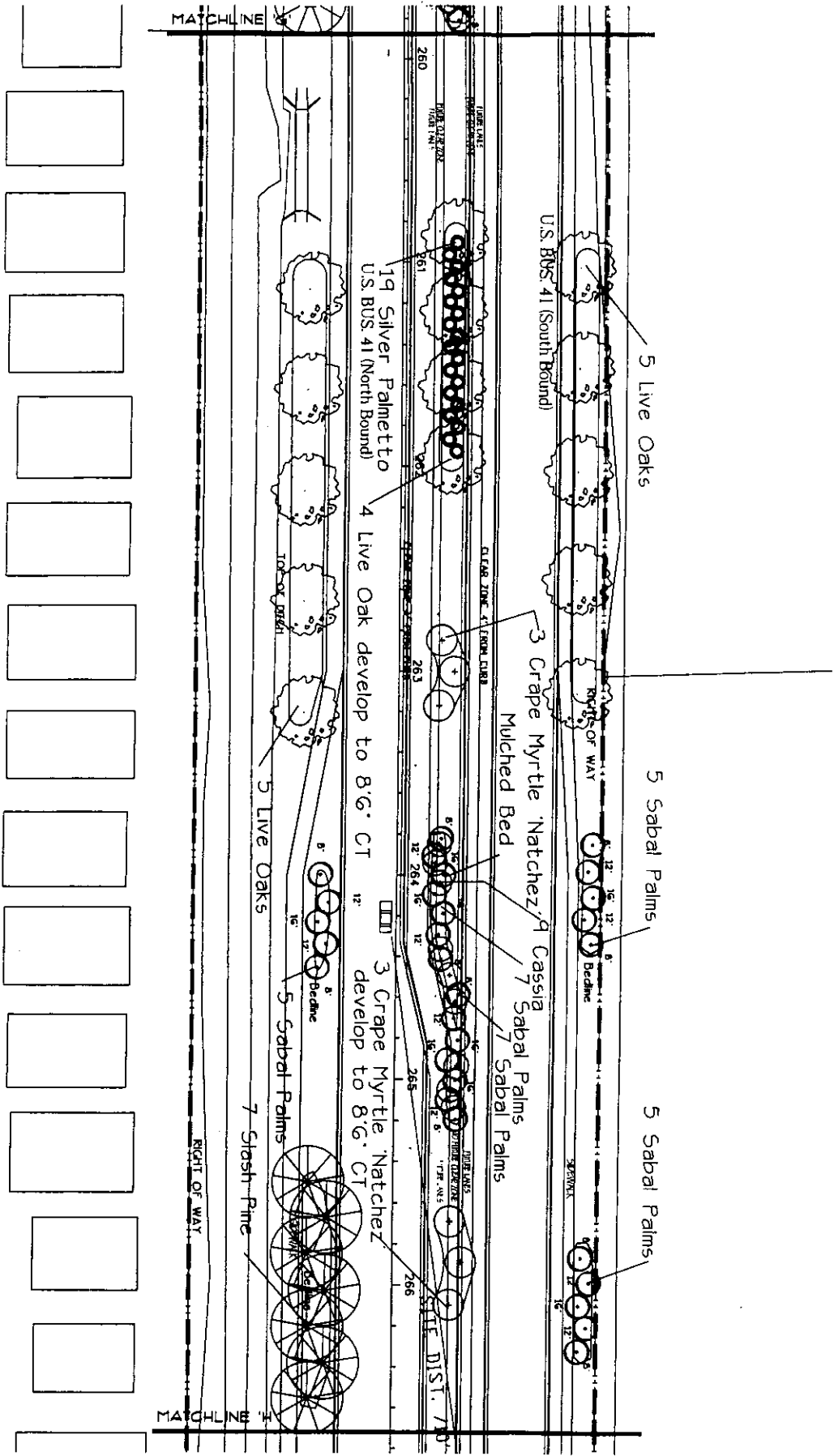


DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901
(813) 337-5525 FAX (813) 337-4484



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



PROJECT NUMBER

L-9

DATE 2/18/05

PROJECT NO. 578-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

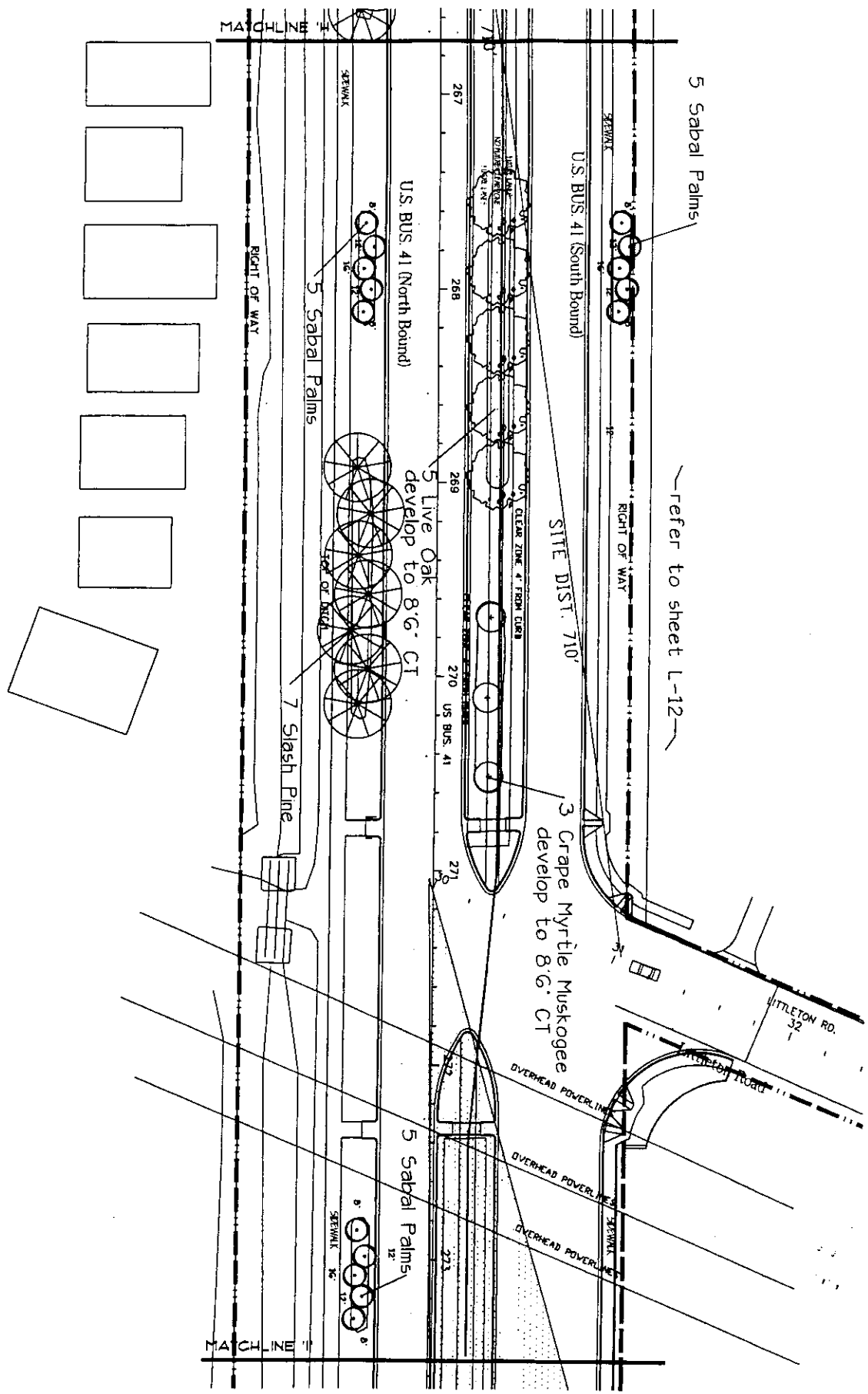


DEPARTMENT OF TRANSPORTATION
 LEE COUNTY
 SOUTHWEST FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA, 33901
 (813) 337-5525 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



REVISIONS:

DATE: 2/18/05
 PROJECT NO.: 576-34-01

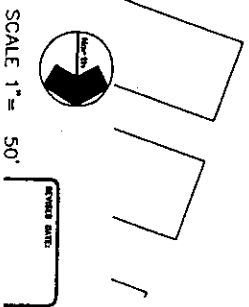
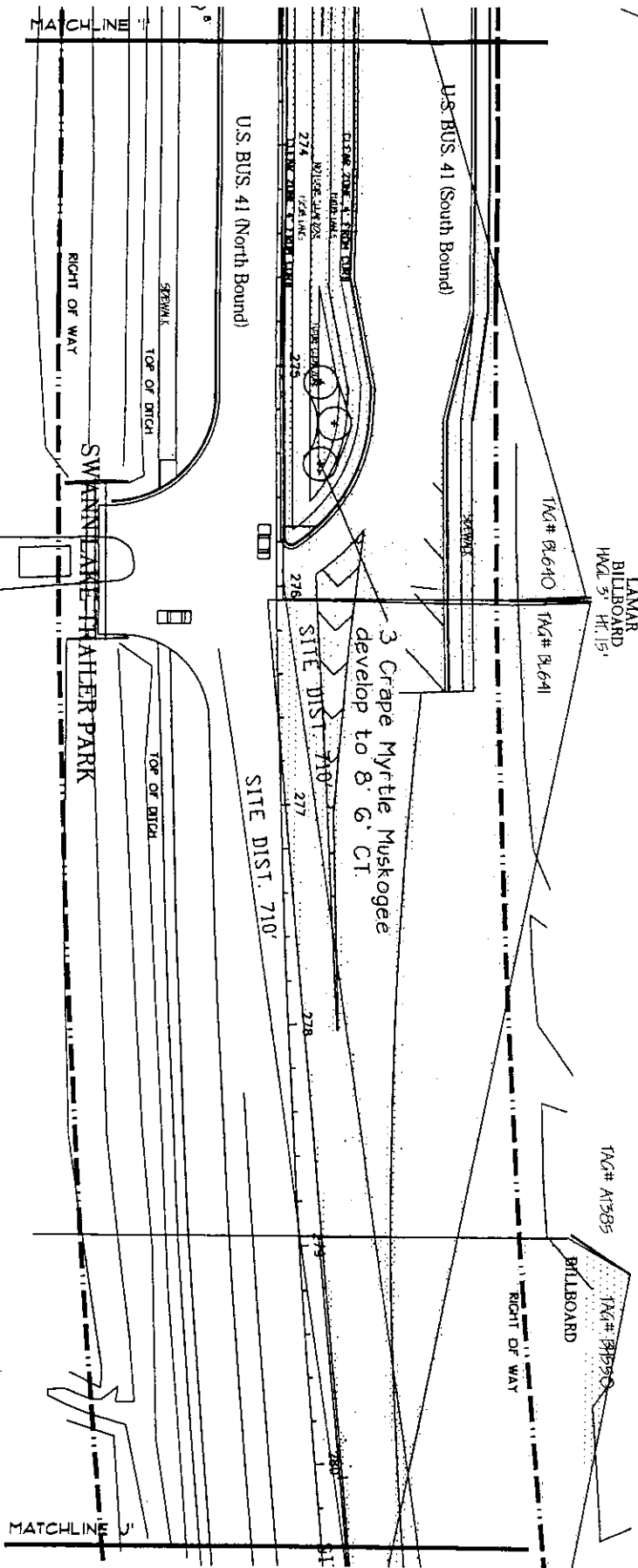
LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
 SOUTH WEST FLORIDA (041) 470-8680

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 McCREGOR BOULEVARD FORT MYERS FLORIDA 33901
 (813) 337-5525 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



PROJECT NUMBER: []

DATE: 2/18/05

PROJECT: U.S. Business 41 Bypass

PROJECT NUMBER: []

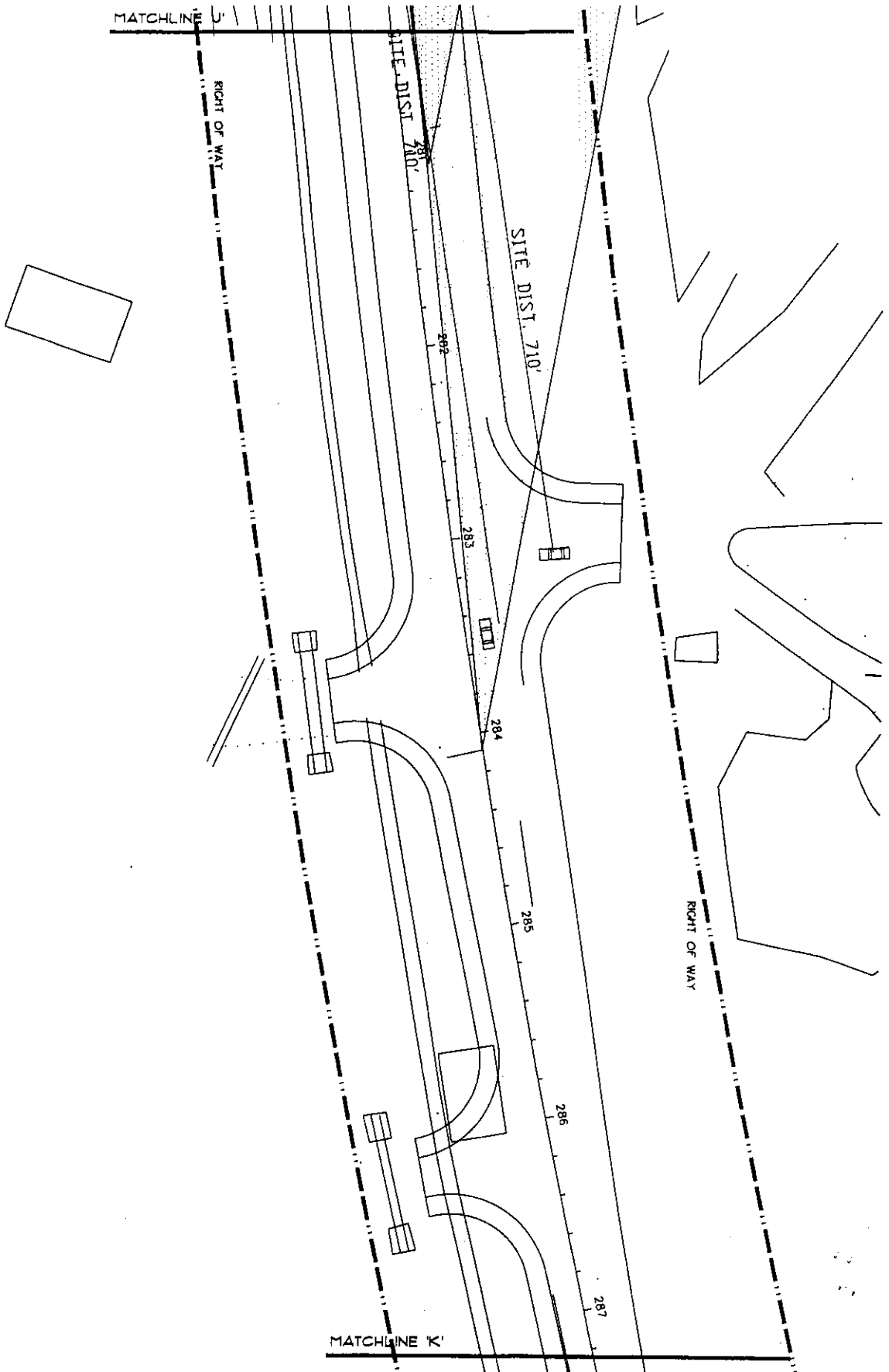
LANDSCAPE ARCHITECTURAL PLANS FOR

U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
 SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA, 33901
 (813) 337-5525 FAX (813) 337-4494

UTILITIES LOCATED OUTSIDE LIMITS
 OF WORK ARE NOT SHOWN. CONTRACTOR
 TO VERIFY ALL UTILITY LOCATIONS
 PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



PROJECT NAME

DATE: 2/18/05
 PROJECT NO.: 578-34-01

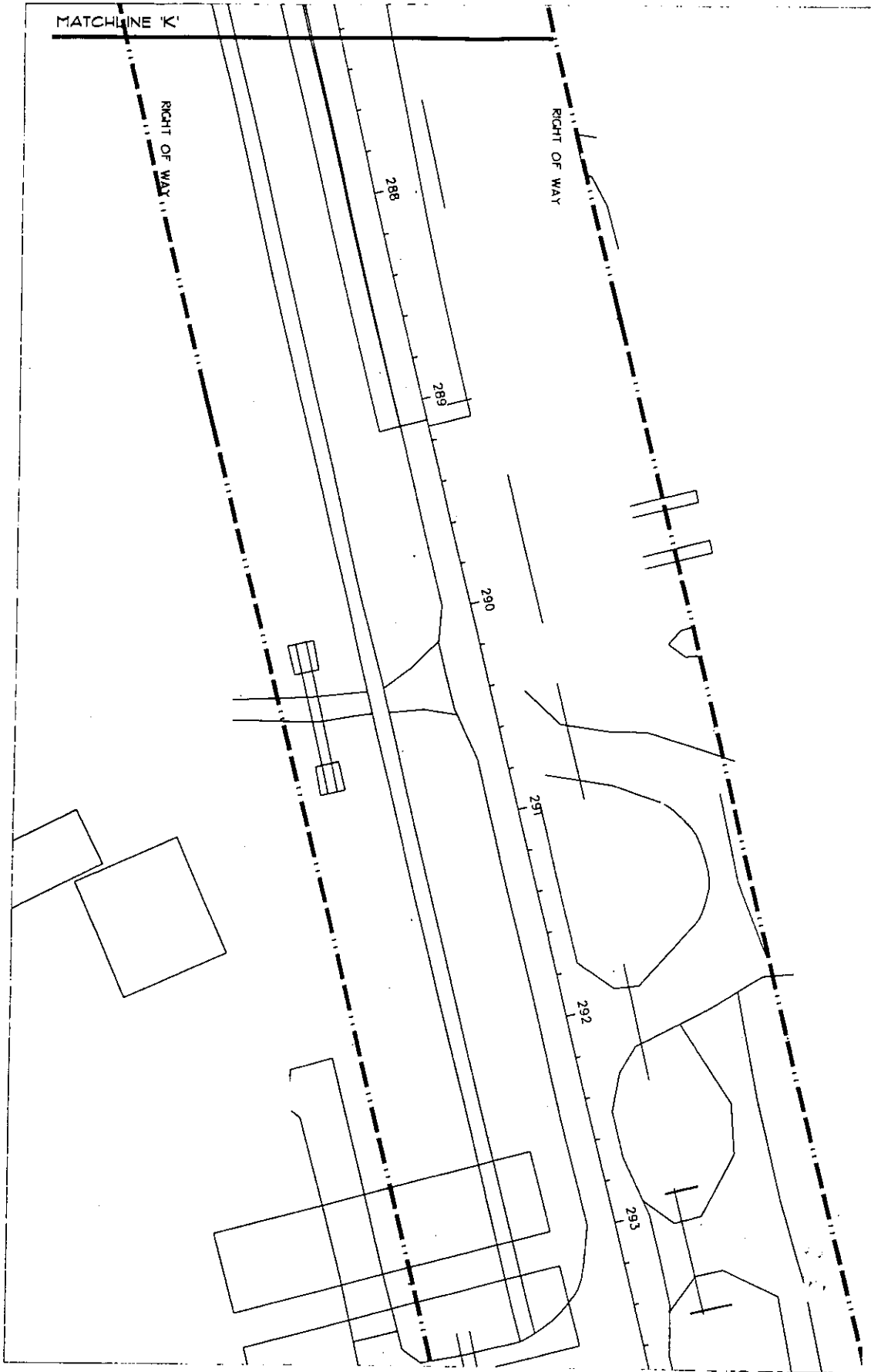
LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT
 OF
 TRANSPORTATION
LEE COUNTY
 SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD FORT MYERS FLORIDA 33901
 (813) 337-5525 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



SCALE 1" = 50'



REVISED DATE:

SHEET NUMBER: L-13

PROJECT DESCRIPTION: Landscape

DATE: 2/18/05

PROJECT NO.: 578-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

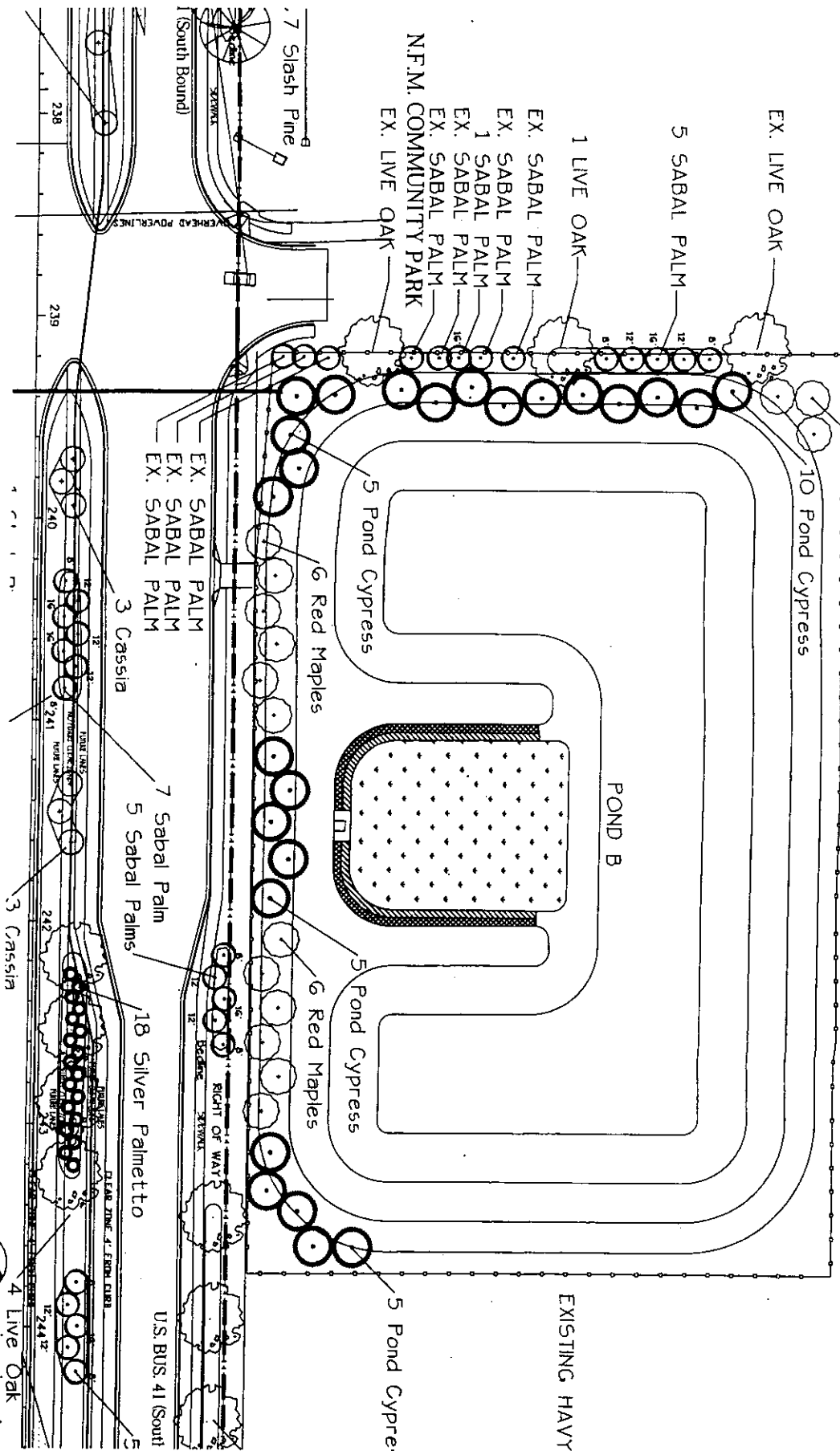


DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 McGRIGOR BOULEVARD FORT MYERS, FLORIDA 33901
(813) 337-5525 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



SCALE 1" = 50'

DATE: 2/18/05

PROJECT NO: 576-34-01

PROJECT NAME: U.S. BUSINESS 41

PROJECT LOCATION: NORTH FORT MYERS, FLORIDA

SCALE: 1" = 50'

DATE: 2/18/05

PROJECT NO: 576-34-01

PROJECT NAME: U.S. BUSINESS 41

PROJECT LOCATION: NORTH FORT MYERS, FLORIDA

LANDSCAPE ARCHITECTURAL PLANS FOR:

U. S. BUSINESS 41

SR 78 to Littleton Road

North Fort Myers

LEE COUNTY, FLORIDA



DEPARTMENT OF TRANSPORTATION

LEE COUNTY

SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.

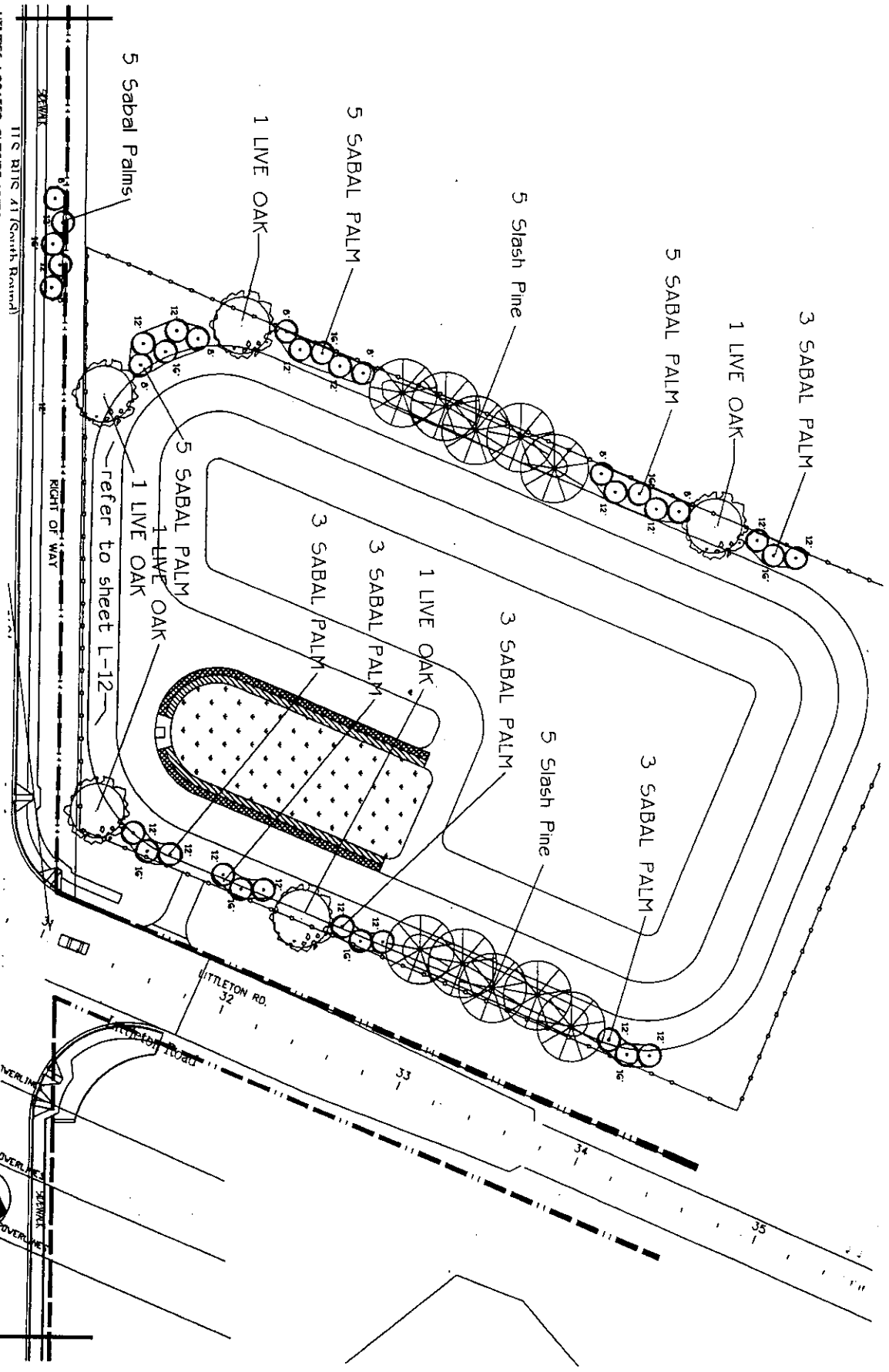
LANDSCAPE ARCHITECTS AND PLANNERS

2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901

(813) 337-5525 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



SCALE 1" = 50'

PROJECT NUMBER
L-15

DATE
2/18/05

PROJECT NO.
578-34-01

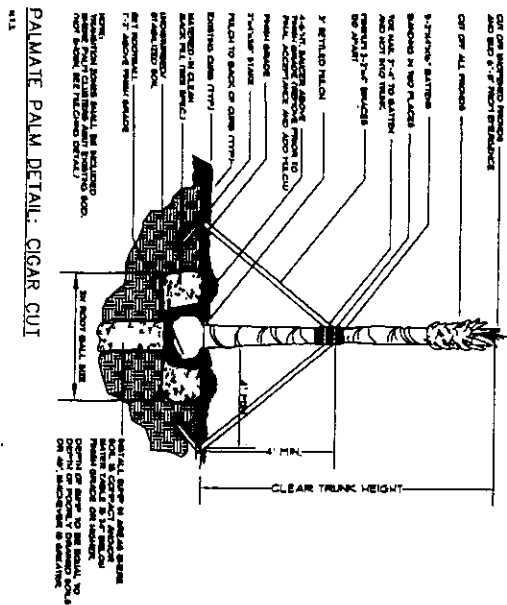
LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA



DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS FLORIDA 33901
(813) 337-6525 FAX (813) 337-4434





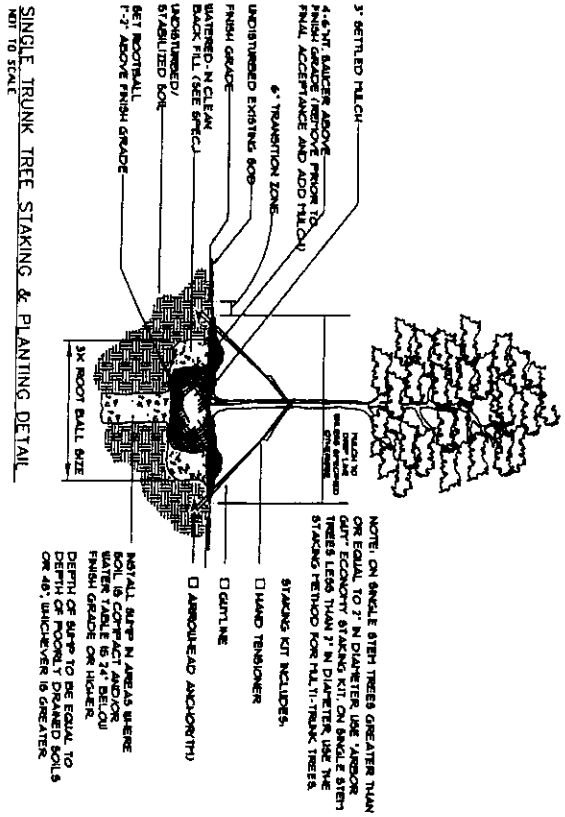
PALMATE PALM DETAIL: CIGAR CUT

NOTE: ON ANGLE WITH TREES GREATER THAN OR EQUAL TO 7" IN DIAMETER, USE ANCHOR QUART ECONOMY STAKING SYSTEMS LESS THAN 7" IN DIAMETER USE THE STAKING METHOD FOR THE TRUNK.

STAKING KIT INCLUDES:

- HAND TENSIONER
- DIRT LINE
- ANCHORHEAD ANCHOR(TH)

NOTE: SET UP IN AREAS WHERE SOIL IS COMPACT AND/OR WATER TABLE IS 24" BELOW FINISH GRADE OR HIGHER. DEPTH OF SET UP TO BE EQUAL TO DEPTH OF POORLY DRAINED SOILS OR 48", WHICHEVER IS GREATER.



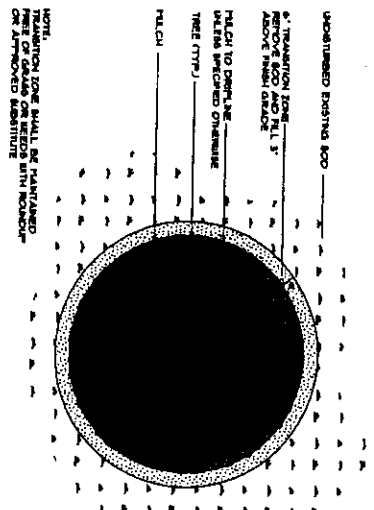
SINGLE TRUNK TREE STAKING & PLANTING DETAIL

NOTE: ON ANGLE WITH TREES GREATER THAN OR EQUAL TO 7" IN DIAMETER, USE ANCHOR QUART ECONOMY STAKING SYSTEMS LESS THAN 7" IN DIAMETER USE THE STAKING METHOD FOR THE TRUNK.

STAKING KIT INCLUDES:

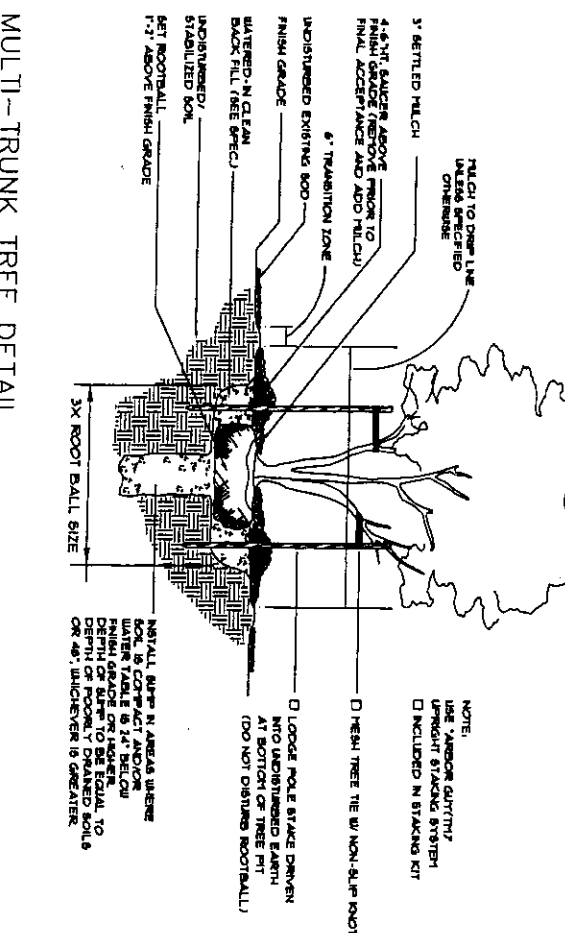
- HAND TENSIONER
- DIRT LINE
- ANCHORHEAD ANCHOR(TH)

NOTE: SET UP IN AREAS WHERE SOIL IS COMPACT AND/OR WATER TABLE IS 24" BELOW FINISH GRADE OR HIGHER. DEPTH OF SET UP TO BE EQUAL TO DEPTH OF POORLY DRAINED SOILS OR 48", WHICHEVER IS GREATER.



MATCHING DETAIL PLAN

NOTE: TRANSITION ZONE SHALL BE HANDBLANKED FROM FINISH GRADE TO FINISH GRADE OR APPROVED SUBSTITUTE.



MULTI-TRUNK TREE DETAIL

NOTE: USE ANCHOR QUARTY UP-RIGHT STAKING SYSTEMS INCLUDED IN STAKING KIT

NOTE: MESH TREE TIE W/ NON-SLIP FOOT

NOTE: LODGE POLE STAKE DRIVEN INTO UNDISTURBED EARTH AT BOTTOM OF TREE TIE (DO NOT DISTURB ROOTBALL)

NOTE: INSTALL SHIP IN AREAS WHERE SOIL IS COMPACT AND/OR WATER TABLE IS 24" BELOW FINISH GRADE OR HIGHER. DEPTH OF SET UP TO BE EQUAL TO DEPTH OF POORLY DRAINED SOILS OR 48", WHICHEVER IS GREATER.

Refer to special clear sight maintenance requirements

REVISED DATE

SHEET NUMBER
L-16

DATE
2/18/05

PROJECT NO.
576-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA



DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 694-3334

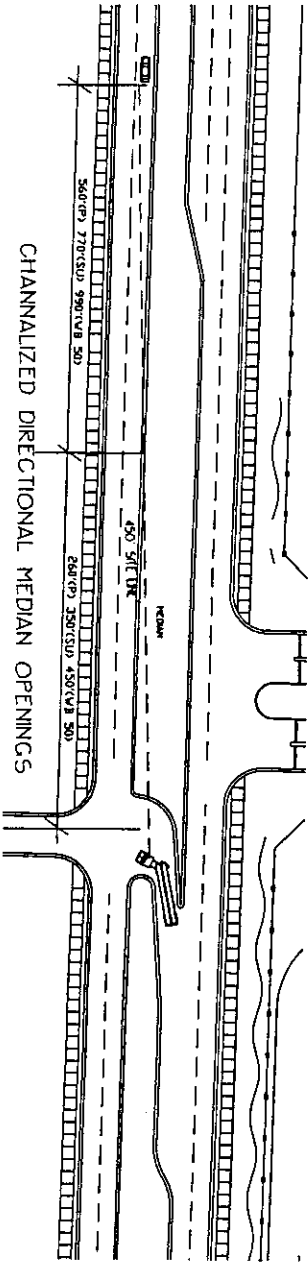
DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901
(813) 337-5525 FAX (813) 337-4494



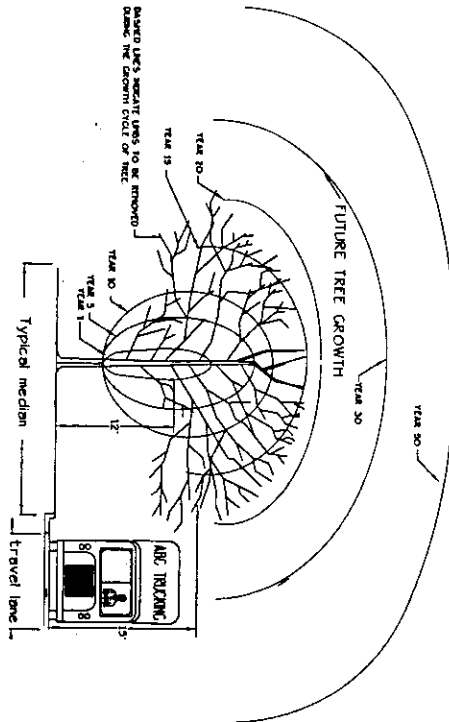
PLANT & MATERIAL LIST

COMMON / SCIENTIFIC NAME	SIZE	LOCATION															TOTALS	NOTES		
		SHEET 2	SHEET 3	SHEET 4	SHEET 5	SHEET 6	SHEET 7	SHEET 8	SHEET 9	SHEET 10	SHEET 11	SHEET 12	SHEET 13	SHEET 14	SHEET 15					
CASIA SURBANTENSIS TREES / PALMS	45 GALLON, 3" CALIPER WITH 4-5' SPREAD	0	0	3	5	6	6	0	9	0	0	0	0	0	0	0	0	30		
CABBAGE PALM	12-14 HI. 8-6 C.L. MIN.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	
CABBAGE PALM	FULLY ROOTED STRAIGHT TRUNK 8' CT.	7	0	8	5	14	4	8	10	5	0	0	0	0	0	0	0	2	6	70
CABBAGE PALM	FULLY ROOTED STRAIGHT TRUNK 12 CT.	7	0	7	8	15	6	10	10	6	0	0	0	0	0	0	0	2	16	90
CABBAGE PALM	FULLY ROOTED STRAIGHT TRUNK 18 CT.	3	0	7	4	8	3	6	9	3	0	0	0	0	0	0	0	2	8	54
CREEPY MYRTLE NATCHOZ LAGERSTROEMIA x FALBERG	45 GALLON, 3" CALIPER WITH 4-5' SPREAD 8-6 C.L. MIN.	0	3	0	0	0	0	0	0	0	3	0	0	0	0	0	0	0	0	11
CREEPY MYRTLE NATCHOZ	45 GALLON, 3" CALIPER WITH 4-5' SPREAD 8-6 C.L. MIN.	0	2	4	0	0	6	8	6	0	0	0	0	0	0	0	0	0	0	29
LIVE OAK	65 GALLON, 3-4" CAL. 5-6' SPREAD 14-16 HI.	0	3	3	0	12	1	7	14	5	0	0	0	0	0	0	1	5	47	
Sliver Palmetto	3 GALLON WITH 2'-4" SPREAD	0	12	13	0	18	0	19	19	22	0	0	0	0	0	0	0	0	0	99
SOUTH FLORIAN PINE PRINUS ELLIOTTII TENSA	25 GALLON, 3" CALIPER WITH 2-3' SPREAD 7-10 HI.	8	0	0	11	3	11	24	7	7	0	0	0	0	0	0	0	0	10	71
Red Maple	25 GALLON, 3" CALIPER WITH 2-3' SPREAD 7-10 HI.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	15
POND CYPRESS TAXODIUM ASCENDENS	5 GALLON, 1" CALIPER 6-7' HI.	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	23
PINE BARK NINGGETS	50 FT. @ 3' DEPTH	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	25

- Shrubs planted within clear sight limits shall be maintained at 24" ht. maximum.
- Accent trees within limits of clear sight shall have clear trunks.
- Trees within limits of clear sight shall have clear trunks.
- Comparable field grown plant material may be substituted for container grown material with the Landscape Supervisor's approval.



- BROAD SPREADING TREE PLANTING AND MAINTENANCE FOR ROADSIDE PLANTING ON ROADWAYS**
1. SELECT SINGLE LEAFER TREES WITH UPRIGHT GROWTH HABIT IN TROPIC TREES.
 2. PRUNE LOWER LIMBS AS THEY MATURE TO REMOVE BRANCHES FROM LOWER PORTION OF TREE UP TO A MINOR ON TWELVE FEET (12').
 3. AS TREE MATURES REMOVE ALL DOWNWARD GROWING LIMBS AS DETECTED BY DASHED LINES IN DRAWING'S ABOVE.
 4. SELECT AND PRUNE TREES EACH YEAR FOR FIRST FIVE (5) YEARS OF PROGRAM PLANTING, INSPECT AND PRUNE EVERY OTHER YEAR THEREAFTER AS REQUIRED. MAINTAIN TWENTY (20) FEET OF CLEARANCE OVER TRAVEL LANES FOR LIFE OF THE TREE.



DATE: 2/18/05
 PROJECT NO.: 578-34-01
 PROJECT DESCRIPTION: Details
 SHEET NUMBER: L-17
 REVISED DATE:

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
 LEE COUNTY
 SOUTHWEST FLORIDA (239) 684-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BLVD. FORT MYERS, FLORIDA 33901
 (813) 337-5525 FAX (813) 337-4494

BUSINESS U.S. 41 NORTH FORT MYERS
CORE LEVEL MAINTENANCE MATRIX - LEVEL ONE

MAINTENANCE OPERATION	MAINTENANCE FREQUENCIES ARE MINIMUMS											
	JAN.	FEB.	MARCH	APRIL	MAY	JUNE	JULY	AUG.	SEPT.	OCT.	NOV.	DEC.
MORNING 3'-4" HEIGHT	X	X	X	XX	XX	XX	XX	XX	XX	X	X	X
WATERING	HOW ON A BI-WEEKLY BASIS FROM APRIL THROUGH SEPTEMBER AND MONTHLY FROM DECEMBER THROUGH FEBRUARY											
	PLANT MATERIAL DAY FREQUENCY NUMBER OF APPLICATIONS											
	ALL	DAILY 60										
IRRIGATION	MAINTAIN THE IRRIGATION SYSTEM IN AN OPERABLE CONDITION AT ALL TIMES. CHECK SYSTEM FOR LINE BREAKS AND CLOGGING OF HEADS AND BUBBLES EACH WEEK.											
	ALL	151-385 WEEKLY 28										
FERTILIZATION	LANDSCAPED BEDS AND MULCHED AREAS SHALL BE KEPT WEED FREE.											
WEEDING	PRUNE AS NECESSARY TO REMOVE ALL SUCKERS, DEAD, DISEASED, OR BROKEN BRANCHES, FRONDS AND SEED HEADS.											
PRUNING	MAINTAIN A CONTINUOUS 3" LAYER OF MULCH IN ALL PLANTED AND MULCHED AREAS. MULCH ENTIRE SITE IN MONTH TWELVE OF MAINTENANCE CONTRACT.											
MULCHING	RESTORE ALL SAUCERS AND CONTROL ANTS, INSECTS AND DISEASE AS THEY APPEAR.											
EDGING	X	X	X	XX	XX	XX	XX	XX	XX	X	X	X
GENERAL	REFER TO SITE MAINTENANCE SPECIFICATIONS FOR DETAILS. LEE COUNTY RESERVES THE RIGHT TO ADJUST FREQUENCIES AS NECESSARY.											
LETTER REMOVAL												

- Shrubs planted within clear sight limits shall be maintained at 24" ht. maximum
- Accent trees within limits of clear sight shall be maintained with 8'-6" clear trunks.
- Trees within limits of clear sight shall be maintained with 8'-6" clear trunks.

Signature: *[Handwritten Signature]*
Lee County Department of Transportation

Date: 4.25.08

TYPICAL LANDSCAPE NOTES

1. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SMOOTH AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
2. CONTRACTORS ARE ADVISED TO REFER TO THE SPECIFICATIONS, CONTRACT DOCUMENTS, AND PLAN SHEETS FOR A MORE DETAILED DISCLOSURE OF PERFORMANCE STANDARDS AND REQUIREMENTS.
3. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SMOOTH AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
4. CONTRACTORS ARE ADVISED TO REFER TO THE SPECIFICATIONS, CONTRACT DOCUMENTS, AND PLAN SHEETS FOR A MORE DETAILED DISCLOSURE OF PERFORMANCE STANDARDS AND REQUIREMENTS.
5. THE CONTRACTOR IS CAUTIONED TO BE AWARE OF UNDERGROUND UTILITIES. PRIOR TO EXCAVATION, THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING ALL UTILITIES. LET COUNTY UTILITIES, THE COUNTY TRAFFIC FOR LOCATION OF ALL UTILITIES A MINIMUM OF 48 HOURS BEFORE BEGINNING WORK. ALL SOD AREAS SHALL BE SAND CROWN. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL FRESH GRADING, IN SOD AREAS SHALL HAVE PROPER TO INSTALLING SOD, STAGGER AND ROCK ALL JOINTS TIGHT. ALL SOD TO BE ROLLED IMMEDIATELY AFTER INSTALLATION.
6. CONTRACTOR SHALL APPLY MINIMUM 2 APPLICATIONS OF ROUNDUP HERBICIDE (OR APPROVED EQUAL) ON EXISTING TUFF WHITE. IT IS REQUIRED THAT ALL EXISTING TUFF WHITE BE REMOVED PRIOR TO APPLICATION OF ROUNDUP HERBICIDE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING ROUNDUP HERBICIDE TO EXISTING TUFF WHITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING ROUNDUP HERBICIDE TO EXISTING TUFF WHITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING ROUNDUP HERBICIDE TO EXISTING TUFF WHITE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR APPLYING ROUNDUP HERBICIDE TO EXISTING TUFF WHITE.
7. CONTRACTOR SHALL INSTALL ALL TILL TO CONSTRUCT BERMING TO BLEND IN WITH EXISTING GRADE. TILL NOT CLEAN TILL TO LANDSCAPE SITE. TILL TO BE PLACED AROUND THE EXISTING TREES.
8. ANY EXCESS SOIL OR DEBRIS FROM CONSTRUCTION SHALL BE REMOVED FROM THE SITE AND TAKEN TO THE COUNTY LAND FILL OR OTHER LAWFUL DISPOSAL SITE.
9. MATCH ALL NEW PLANTING WITH 3' OR AS NOTED OTHERWISE ON PLANS OR SECTORED RECYCLED MULCH.
10. THE LANDSCAPE CONTRACTOR SHALL HAVE WATER ALL PLANT MATERIAL DAILY UNTIL SUBSTANTIAL COMPLETION. THE LANDSCAPE CONTRACTOR SHALL BE LIABLE FOR REFLECTING TREES AND SHRUBS EXHIBITING TRANSPARENT SHOCK DUE TO LACK OF WATER AT ANY TIME DURING THE COURSE OF THE CONTRACT PERIOD.
11. ALL TREES AND PLANTS WITHIN SOD AREAS SHALL BE MULCHED 3" DEEP WITHIN A 6" DIA. DIAMETER RING. STAKES SHALL BE WITHIN MULCH RINGS.
12. THE LANDSCAPE CONTRACTOR SHALL BE RESPONSIBLE FOR REMOVAL OF ALL EXISTING SOD DEBRIS, WEEDS, AND HANGOVERS IN PREPARATION FOR ANY PLANTING.
13. CONTRACTOR SHALL REMOVE ANY AREAS DESIGNATED BERMING. THE COMPLETION OF WORK INCLUDING REGRADING OF IRRIGATION TRENCHES AND PLANTING THIS RESULTING FROM MATERIAL RELOCATIONS.
14. AN AUTOMATIC IRRIGATION SYSTEM WILL BE INSTALLED TO PROVIDE 100% COVERAGE ON ALL NEW PLANT MATERIAL.
15. ALL NEW PLANT MATERIALS USED SHALL CONFORM TO THE STANDARDS FOR FLORIDA NO. 1 OR BETTER AS ESTABLISHED IN GRASSES AND STANDARDS FOR NON-SUCKER PLANTS STATE OF FLORIDA DEPARTMENT OF AGRICULTURE.
16. ALL PLANT MATERIAL SHALL BE SUBJECT TO APPROVAL BY THE LANDSCAPE SUPERVISOR PRIOR TO PURCHASE BY CONTRACTOR.
17. CONTRACTOR SHALL STAKE ALL TREES AS PER DETAILS.
18. ALL PLANT MATERIAL SHALL BE FERTILIZED ACCORDING TO THE CHART AS SHOWN ON THIS SHEET.
19. ALL TREE RINGS ENCOMPASSING WEED GROWTH SHALL BE SPRAYED WITH ROUNDUP AT THE 1% G recommended application rate. TREE RINGS AND ALL BEDS ARE TO REMAIN WEED FREE UNTIL FINAL INSPECTION FOR ACCEPTANCE.
20. CONTRACTOR IS RESPONSIBLE FOR RESTORING ALL DISTURBED AREAS CREATED BY THE CONSTRUCTION. THIS SHALL INCLUDE ALL SOD AND HAND LAKING TO RESTORE A SMOOTH UNIFORM SURFACE. ALSO REMOVAL OF ANY DEBRIS ENCOMPASSING OR CREATED FROM CONSTRUCTION OPERATIONS. ANY MATERIAL REMOVED FROM THE SITE SHALL BE TAKEN TO A SANITARY LANDFILL OR OTHER APPROVED LOCATION.
21. THE OWNER RESERVES THE RIGHT TO REMOVE TREE PLACEMENT IN THE FIELD AS CONDITIONS DEVELOP. PLANT MATERIAL SHALL BE INSTALLED PRIOR TO COMPLETION WITH THE IRRIGATION DOUBLE SYSTEM.
22. THE CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL NECESSARY PERMITS, INCLUDING LET COUNTY CONSTRUCTION PERMIT, PRIOR TO COMMENCING ANY WORK.
23. THE FIRST TREEING ROOT OF THE ROOT BALL SHALL BE AT FRESH GRADE AND VISIBLE AT INSPECTION.
24. HOURS OF OPERATION SHALL BE NORMAL BUSINESS HOURS.
24. CONTRACTOR SHALL MAINTAIN EXISTING POSTED SPEEDS ALONG ROADWAY.

REVISED DATE: []

SHEET NUMBER: L-18

SHEET DESCRIPTION: Maintenance

DATE: 2/18/08

PROJECT NO.: 576-34-01

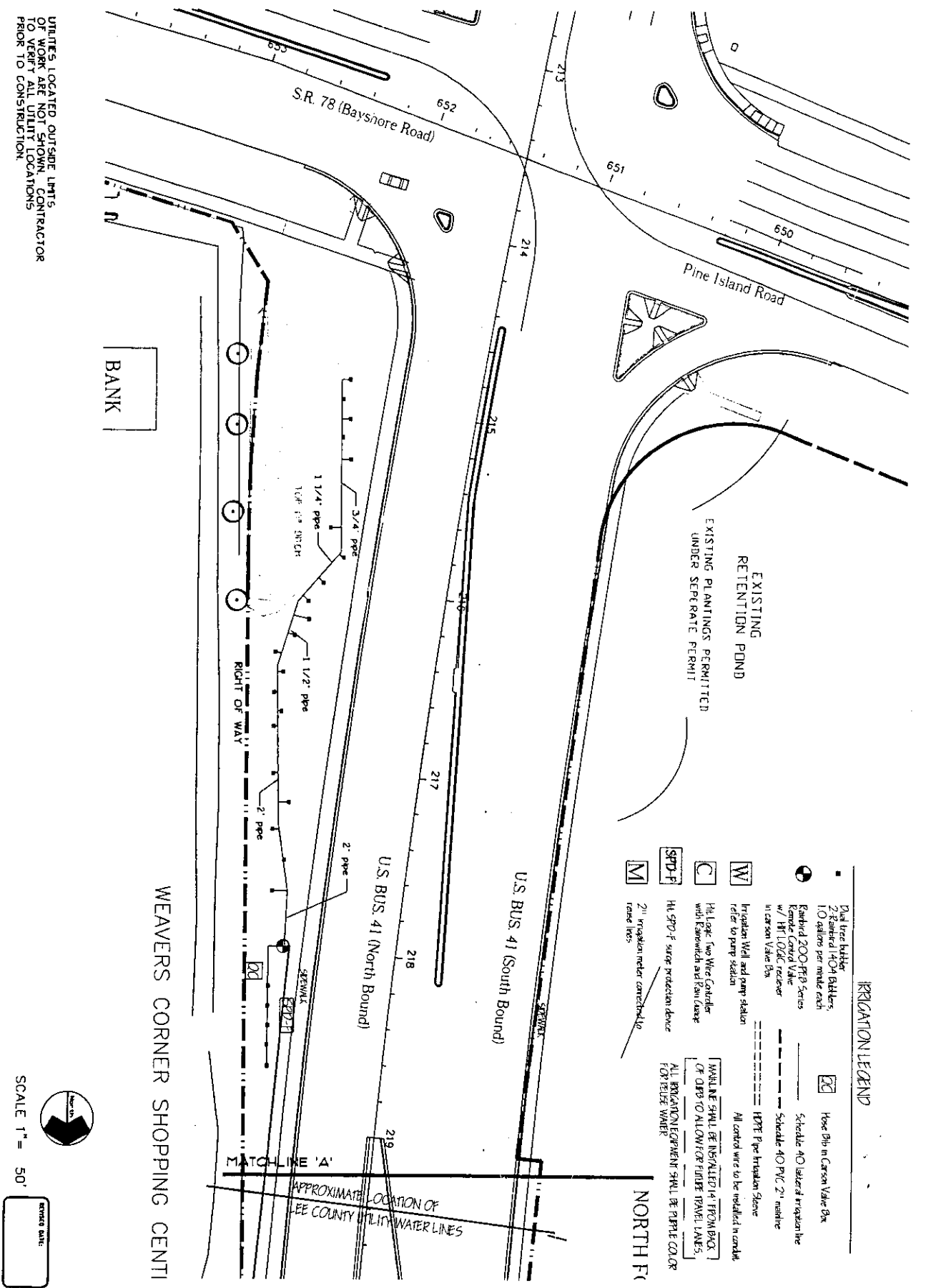
LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA



DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 McCREEDOR BOULEVARD FORT MYERS FLORIDA 33901
(813) 337-5525 FAX 813 337-4494





UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

SCALE 1" = 50'

PROJECT NAME: L-19
 SHEET NUMBER: L-19
 DATE: 2/18/05
 PROJECT NO.: 576-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR
U.S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
 LEE COUNTY
 SOUTHWEST FLORIDA (239) 694-3334

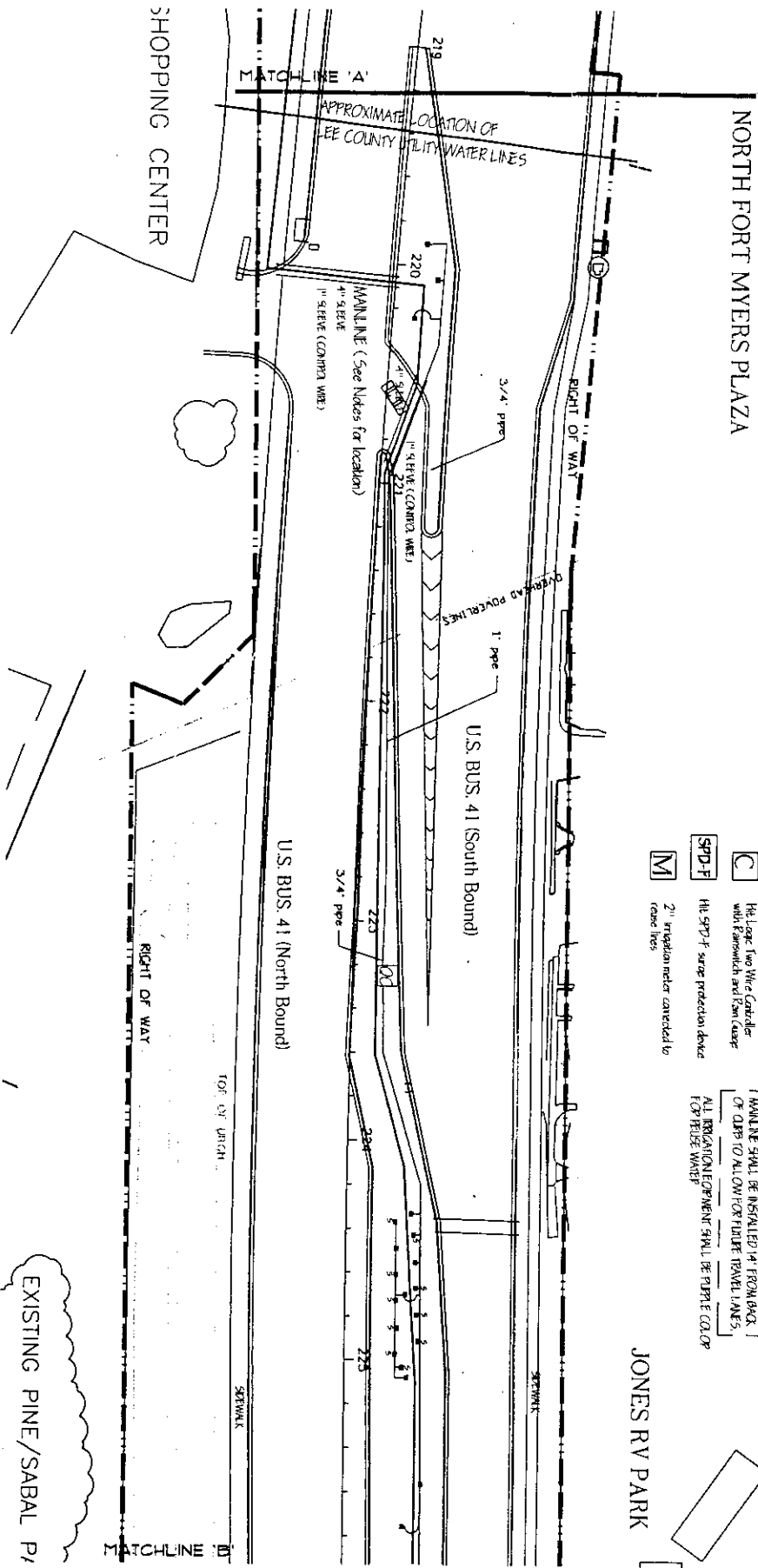
DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BLVD. FORT MYERS, FLORIDA 33901
 (813) 337-5525 FAX (813) 337-4494

IRRIGATION LEGEND

- Dual fire blubber
- 2" Saturated 140# Bladders, 10 gallons per minute each
- Ratchford 2000-PRB Series Remote Control Valve w/ 1/2" HI LOGIC receiver in Carson Valve Box
- Irrigation Well and pump station refer to pump station
- Hill Logic Two Wire Controller with Rainwatch and Rain Gauge
- HI 970-F surge protection device
- 2" irrigation meter connectable to rain lines
- Hose 9/16" in Carson Valve Box
- Schedule 40 lateral irrigation line
- Schedule 40 PVC 2" mainline
- HDPE Pipe Irrigation Sleeve
- All control wires to be installed in conduit

MAINTENANCE SHALL BE INSTALLED (1" TYPICAL) OF OPEN TO ALLOW FOR FUTURE TRAVEL LANES. ALL IRRIGATION EQUIPMENT SHALL BE BRIGHT COLOR FOR EASY WATER.

UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



NORTH FORT MYERS PLAZA

JONES RV PARK

- IRRIGATION LEGEND**
- Dual tree blower
 - 2" Rainbird H-04 Blowers, 1.0 gallons per minute each
 - Rainbird 2000-FF39 Series Remote Control Valve w/ 1/4" HI LOGIC receiver in cation Valve Box
 - Head Bib in Cation Valve Box
 - Schedule 40 lateral irrigation line
 - Schedule 40 PVC 2" mainline
 - HDPE Pipe Irrigation Sleeve
 - All control wire to be installed in conduit
 - IRRIGATION SCHEDULE SHALL BE RIPPLE COLOR
 - ALL IRRIGATION EQUIPMENT SHALL BE RIPPLE COLOR FOR EASY IDENTIFICATION
 - 2" irrigation meter connected to cation lines
 - SFD-F HI SFD-F surge protection device
 - M 2" irrigation meter connected to cation lines

SCALE 1" = 50'



EXISTING PINE/SABAL PALM

REVISED DATE

SCALE NUMBER L-20

DATE DESCRIPTION
2/18/05 Irrigation

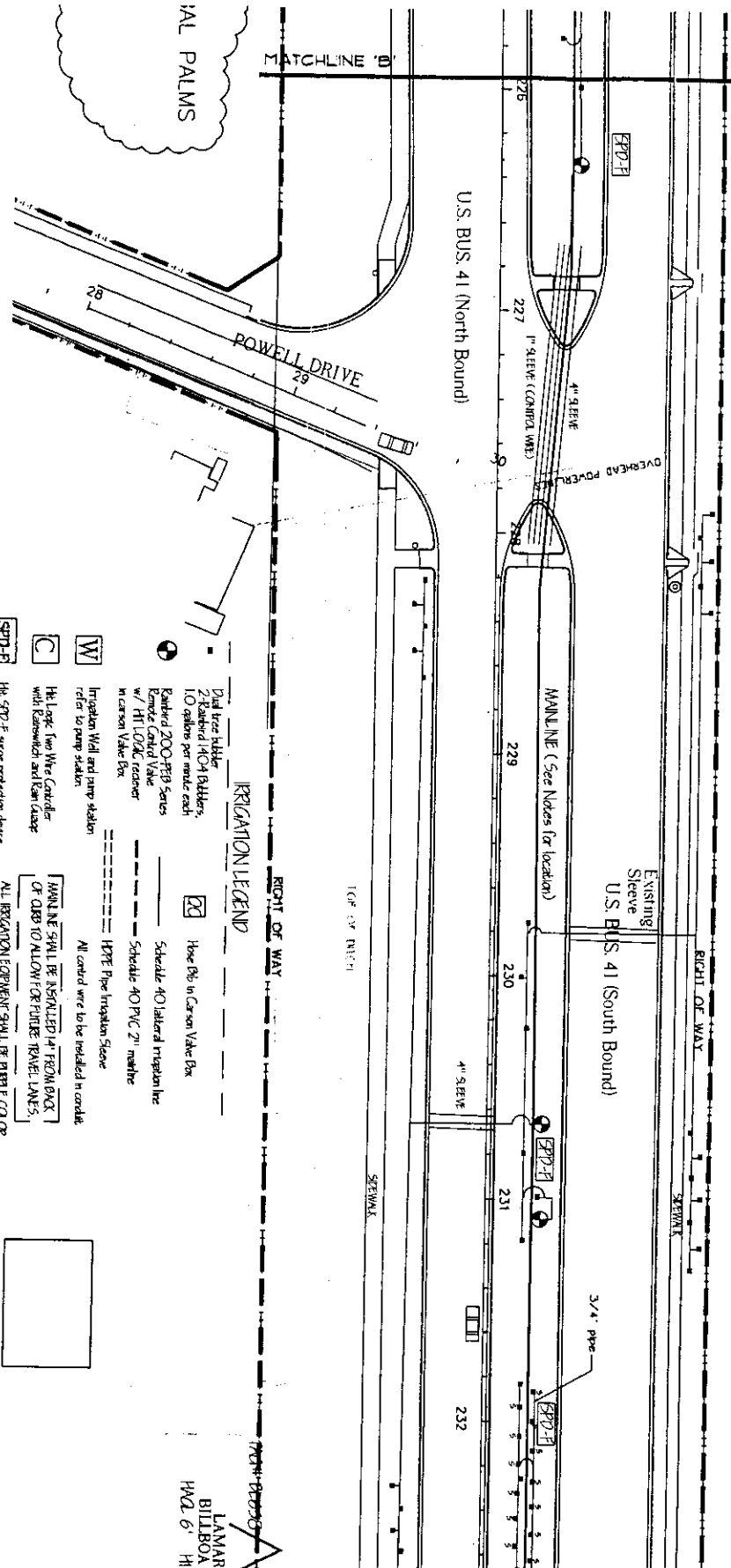
PROJECT NO. 5/78-34-01
DATE 2/18/05

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
 SR 75 to Littleton Road
 North Fort Myers
 LEE COUNTY FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
 SOUTHWEST FLORIDA

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD FORT MYERS FLORIDA 33901
 (513) 331-5525 FAX (513) 337-4494

UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



- Diast tree baffle
- 2" standard 4004 Baffles, 10 outlets per outlet each
- Remotely 200-FT9 Series Remote Control Valve w/ HTI LOCK receiver in Carson Valve Box
- IRIGATION LEGEND
- Hour Pipe in Carson Valve Box
- Schedule 40 lateral irrigation line
- Schedule 40 PVC 2" mainline
- HTPE Pipe Irrigation Size
- All control wire to be installed in conduit
- MAIN LINE SHALL BE INSTALLED 14" FROM BACK OF CURB TO ALLOW FOR FUTURE TRAVEL LANES.
- ALL IRRIGATION EQUIPMENT SHALL BE PLUMBLINE COLOR FOR EASY WATER

- W Irrigation Well and pump station refer to pump station
- C He Logic Two Wire Controller with Rainwatch and Rain Gauge
- SPT-F 1/2" SPT-F surge protection device
- M 2" irrigation meter connected to riser lines



SCALE 1" = 50'

DATE: 2/18/05

PROJECT NO: 578-34-01

CLIENT: L-21

BILLBOARD CANCELLED TAG # DL 298

CARTER-PRETTCHETT BILLBOARD HAZ 10' HT 22' TAG # A1041 TAG # A1042

LAMAR BILLBOARD HAZ 6' HT

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
 SR 76 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA







DEPARTMENT OF TRANSPORTATION
 LEE COUNTY
 SOUTHWEST FLORIDA (239) 694-3334









DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA, 33901
 (941) 337-5525 FAX (941) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

-  SPD-F 1/4" irrigation meter connected to 2" riser lines
-  C 1/4" Logic Two Wire Controller with Rainwatch and Rain Gauge
-  W Irrigation Valve and pump station
-  M 1/4" SPD-F sweep production device

ALL IRRIGATION EQUIPMENT SHALL BE PURPLE COLOR FOR EASY IDENTIFICATION

- IRRIGATION LEGEND**
-  Dotted line: 2" Polyethylene (PE) Mainline, 1.0 gals/hr per minute each
 -  Dashed line: Schedule 40 lateral irrigation line w/ 1/4" Logic Controller
 -  Dash-dot line: Schedule 40 PVC 2" mainline in Carson Valve Box
 -  Long dashed line: 1/2" HDPE Pipe Irrigation Station
 -  Short dashed line: All control wire to be installed in conduit
 -  Hatched area: Hose Bib in Carson Valve Box
 -  Circle with cross: Schedule 40 lateral irrigation line
 -  Square with cross: Schedule 40 PVC 2" mainline

SCALE 1" = 50'



ISSUED DATE

SHEET NUMBER
L-22

SHEET DESCRIPTION
Irrigation

DATE
2/18/05

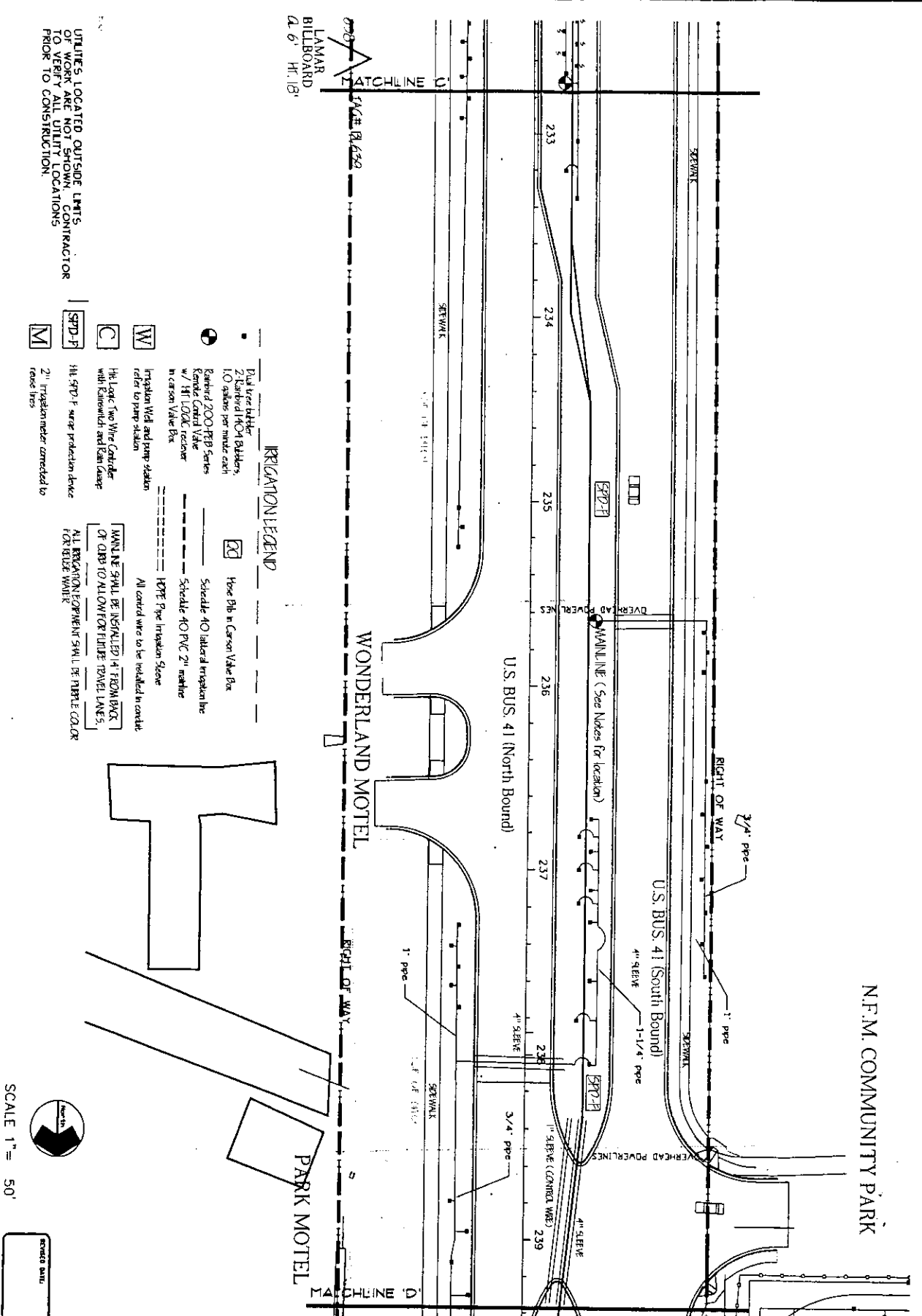
PROJECT NO.
578-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR
U.S. BUSINESS 41
SR 75 to Littleton Road
North Fort Myers
LEE COUNTY FLORIDA

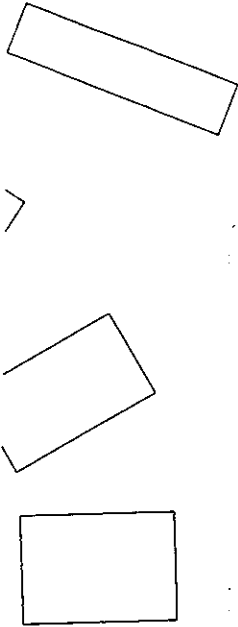


DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA, 33901
513-337-5525 FAX (513) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS
OF WORK ARE SHOWN. CONTRACTOR
TO VERIFY ALL UTILITIES LOCATIONS
PRIOR TO CONSTRUCTION.



- IRIGATION LEGEND**
- 2" lateral from Blakes, 1.0 gallons per minute each
 - Embedded 2000-FIB Series Komete Control Valve w/ HI LOGIC receiver in Carson Valve Box
 - ⊞ Irrigation Valve and pump station
 - ⊞ Irrigation Valve and pump station
 - ⊞ The Logic Two Wire Control with Karanovich and Kani Valve
 - ⊞ The SPD-F surge protection device
 - ⊞ 2" irrigation meter connected to rose lines
 - ⊞ Hebe Pipe in Carson Valve Box
 - ⊞ Schedule 40 lateral irrigation line
 - ⊞ Schedule 40 PVC 2" mainline
 - ⊞ 12PE Pipe Irrigation Stone
 - ⊞ All control wire to be installed in conduit

MAINLINE SHALL BE INSTALLED 4" FROM BACK OF CURB TO ALLOW FOR TRAVEL LANES.
ALL IRRIGATION COMPONENTS SHALL BE RIGHT COLOR FOR EVIDENCE WATER.



REVISION DATE:

SHEET NUMBER:
L-23

DATE:
2/18/05

LANDSCAPE ARCHITECTURAL PLANS FOR
U.S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA



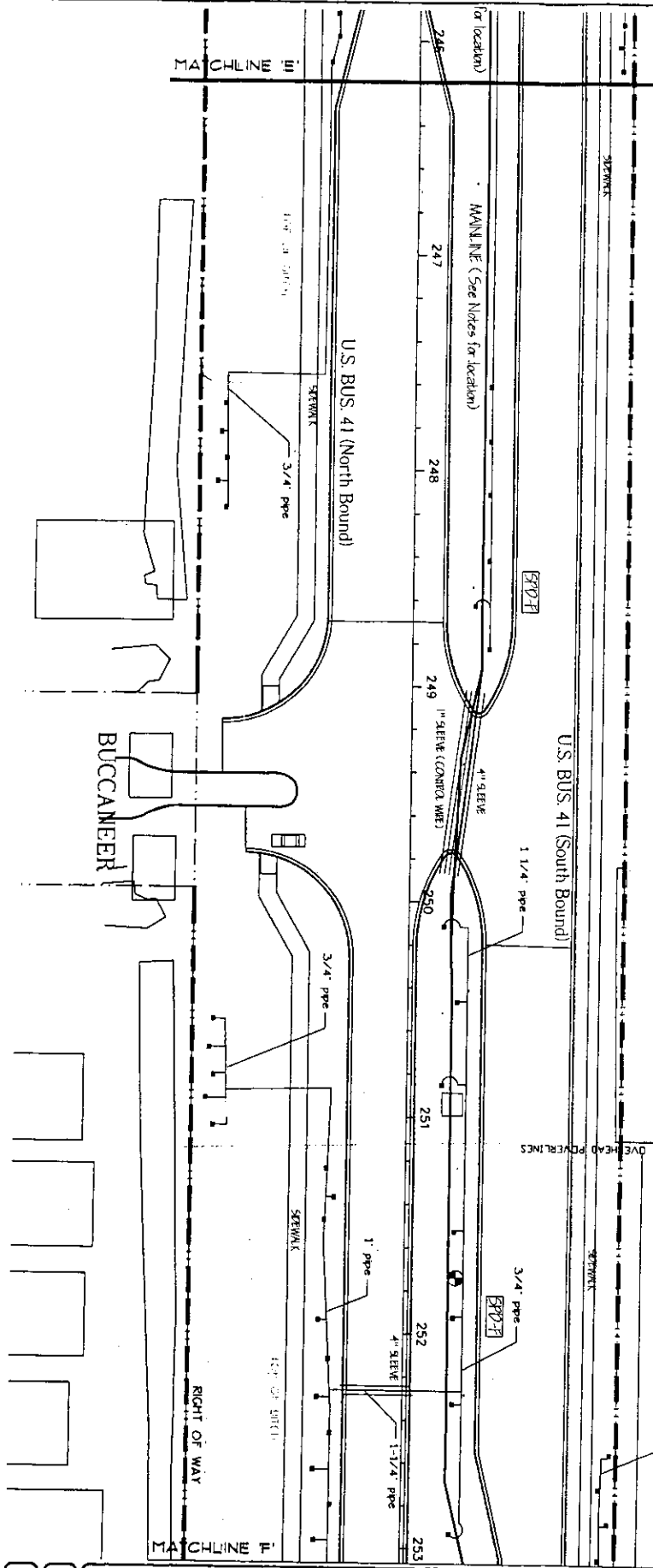
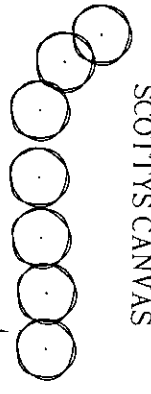
DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 894-3334

DAWD M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA, 33901
TEL: 337-3525 FAX: (813) 337-4494



- IRRIGATION LEGEND**
- Dual tree blower
 - 2" Centerline HO-4 Blowers, 1.0 gpm/ft per minute each
 - ⊗ 1/2" or 3/4" Curson Valve Box
 - ⊞ Schedule 40 lateral irrigation line
 - Schedule 40 PVC 2" mainline
 - 1" RPT Pipe Irrigation Above
 - All control wire to be installed in conduit
 - ⊞ MAINLINE SHALL BE INSTALLED AT 18" DEPTH OR DEEPER TO ALLOW FOR FUTURE MAINLINE TAPS
 - ALL IRRIGATION EQUIPMENT SHALL BE 100% E-COOLAP FOR FRESH WATER
 - ⊞ Irrigation Wall and pump station
 - ⊞ 1/2" or 3/4" Curson Valve with Kamatchi and Kamatchi
 - ⊞ 18" RPT Pipe Irrigation Above
 - ⊞ H.S. 90° F surge protection device
 - ⊞ 2" irrigation meter connected to case lines

CARTOR PRAHATI
BILLBOARD
HWA 25' HI. 55'
TAG# BW428 TAG# BW429



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

SCALE 1" = 50'

REVISION DATE

SHEET NUMBER: L-24

SHEET DESCRIPTION: Irrigation

DATE: 2/18/05
PROJECT NO: 576-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR:
U.S. BUSINESS 41
SR 75 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA



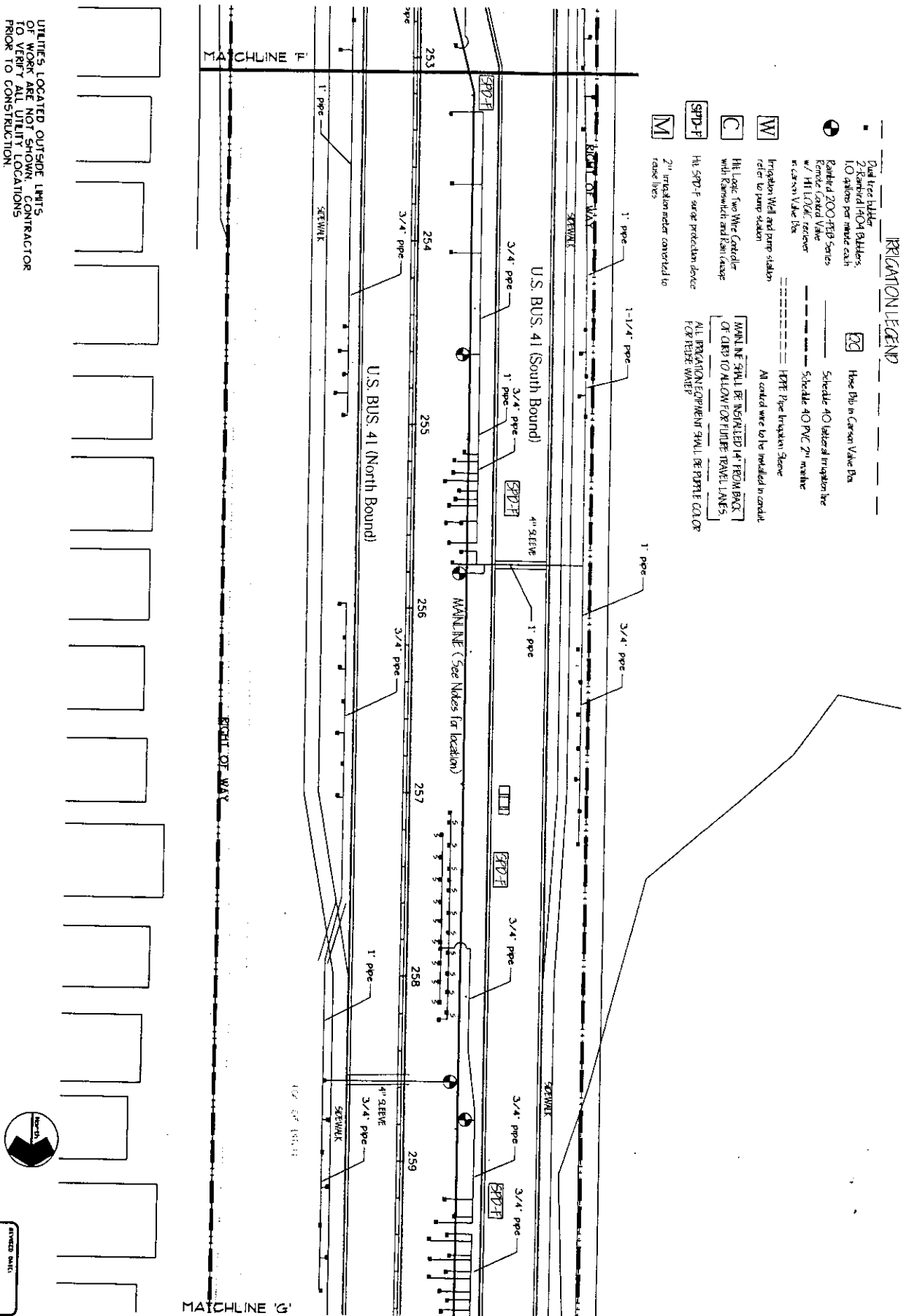
DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
221 MCGREGOR BLOSSYARD, FORT MYERS, FLORIDA 33901
(813) 837-8525 FAX (813) 837-4404



IRRIGATION LEGEND

- Dual Tree Header
- 2" Saturated HDPE Bidders 10' sections per manhole each
- Round 200' HDPE Series
- Round 100' Series
- w/ 1/4" HDPE rubber in Carson Value Box
- Schedule 40 Vertical Irrigation
- Schedule 40 PVC 2" mainline
- 100' Pipe Irrigation Sleeve
- At control valve to be installed in control refer to pump station
- Irrigation Well and pump station
- Hi Logic Two Wire Controller with Ramonick and Kari Lease
- Hi SPD-F surge protection device
- Hi SPD-F surge protection device
- 2" irrigation meter converted to taper lines
- HOPE Pipe Irrigation Sleeve
- MAINLINE SHALL BE INSTALLED 14" FROM BACK OF CURB TO ALLOW FOR FUTURE TRAVEL LANES
- ALL IRRIGATION EQUIPMENT SHALL BE PURPLE COLOR FOR EASY WATER



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

SCALE 1" = 50'

PROJECT NO. 576-34-01
 DATE 2/18/05
 SHEET DESCRIPTION Irrigation
 SHEET NUMBER L-25
 REVISED DATE:

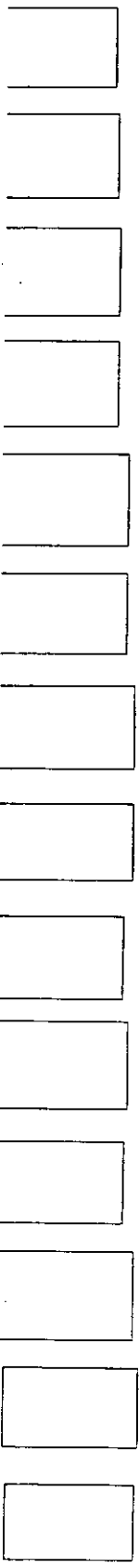
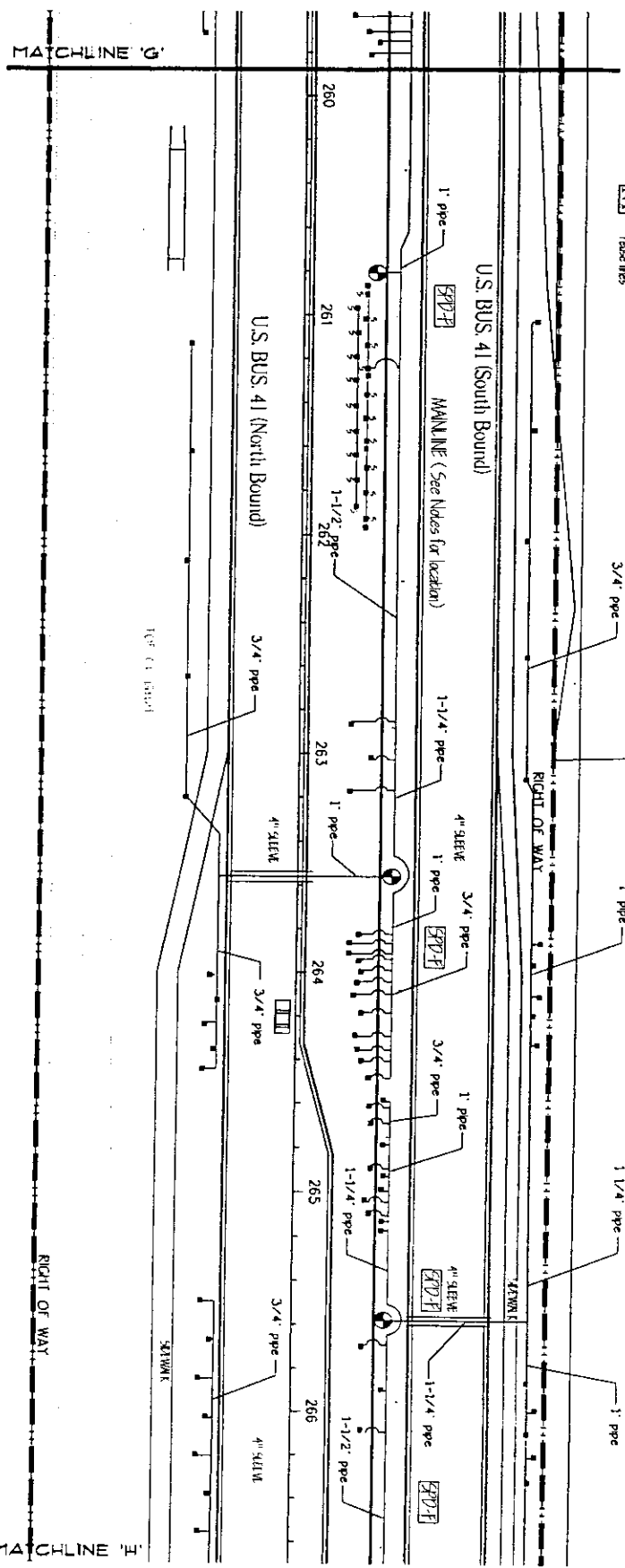
LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
 ANTI-CORRUPTION FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901
 (813) 337-3525 FAX (813) 337-4494

IRIGATION LEGEND

- Dual Use Valve
2-Rated 1/4" Ballves;
1.0 gpm/30' per minute each
- ☉ Remote 200-FTB Series
Remote Control Valve
w/ III LOCK receiver
in Carson Valve Box
- ☐ 1/2" Bb in Carson Valve Box
- Schedule 40 lateral irrigation line
- Schedule 40 PVC 2" mainline
- 1/4" Pipe Irrigation Valve
- All control wire to be included in conduit
- ☐ MAINLINE SHALL BE INSTALLED 14" FROM ENDS
OF CURB TO ALLOW FOR FINDER SPANEL LAYS.
- ☐ ALL IRRIGATION EQUIPMENT SHALL BE RAINBOW COLOR FOR REFLECT WATER
- ☐ The SPD-F surge protection device
- ☐ 2" irrigation meter connected to
faucet lines
- ☐ 1/2" pipe Irrigation Valve
- ☐ All control wire to be included in conduit
- ☐ MAINLINE SHALL BE INSTALLED 14" FROM ENDS
OF CURB TO ALLOW FOR FINDER SPANEL LAYS.
- ☐ ALL IRRIGATION EQUIPMENT SHALL BE RAINBOW COLOR
FOR REFLECT WATER



UTILITIES LOCATED OUTSIDE LIMITS
OF WORK ARE NOT SHOWN. CONTRACTOR
TO VERIFY ALL UTILITY LOCATIONS
PRIOR TO CONSTRUCTION.



SCALE 1" = 50'

REVISED DATE

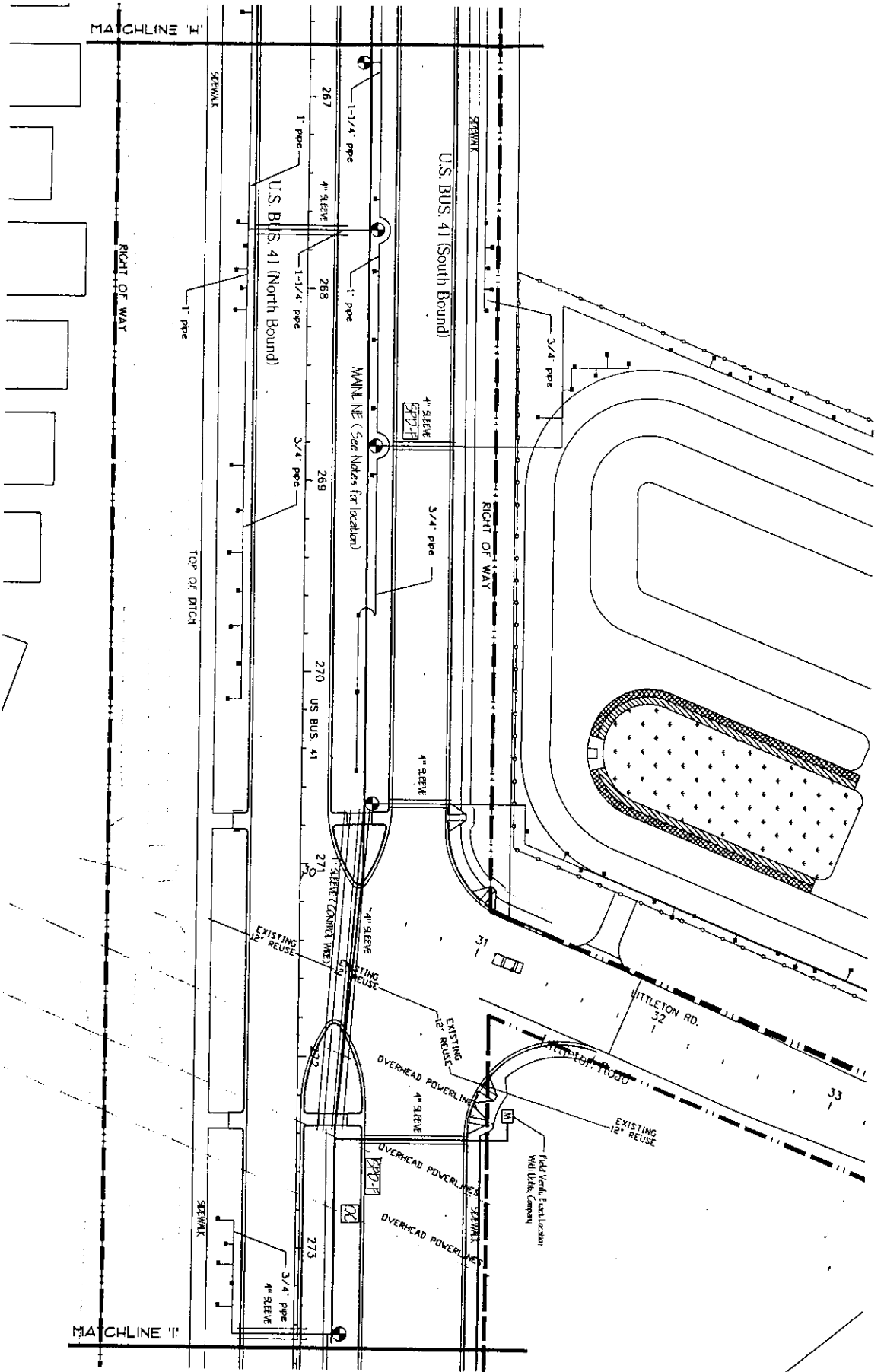
PROJECT NO. 576-34-01	DATE 2/18/05
SHEET DESCRIPTION Irrigation	
SHEET NUMBER L-26	

LANDSCAPE ARCHITECTURAL PLANS FOR:
U.S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

DEPARTMENT
OF
TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD, PORT MYERS, FLORIDA 33901
513-337-5525 FAX 513-337-4674

UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



REVISION DATA

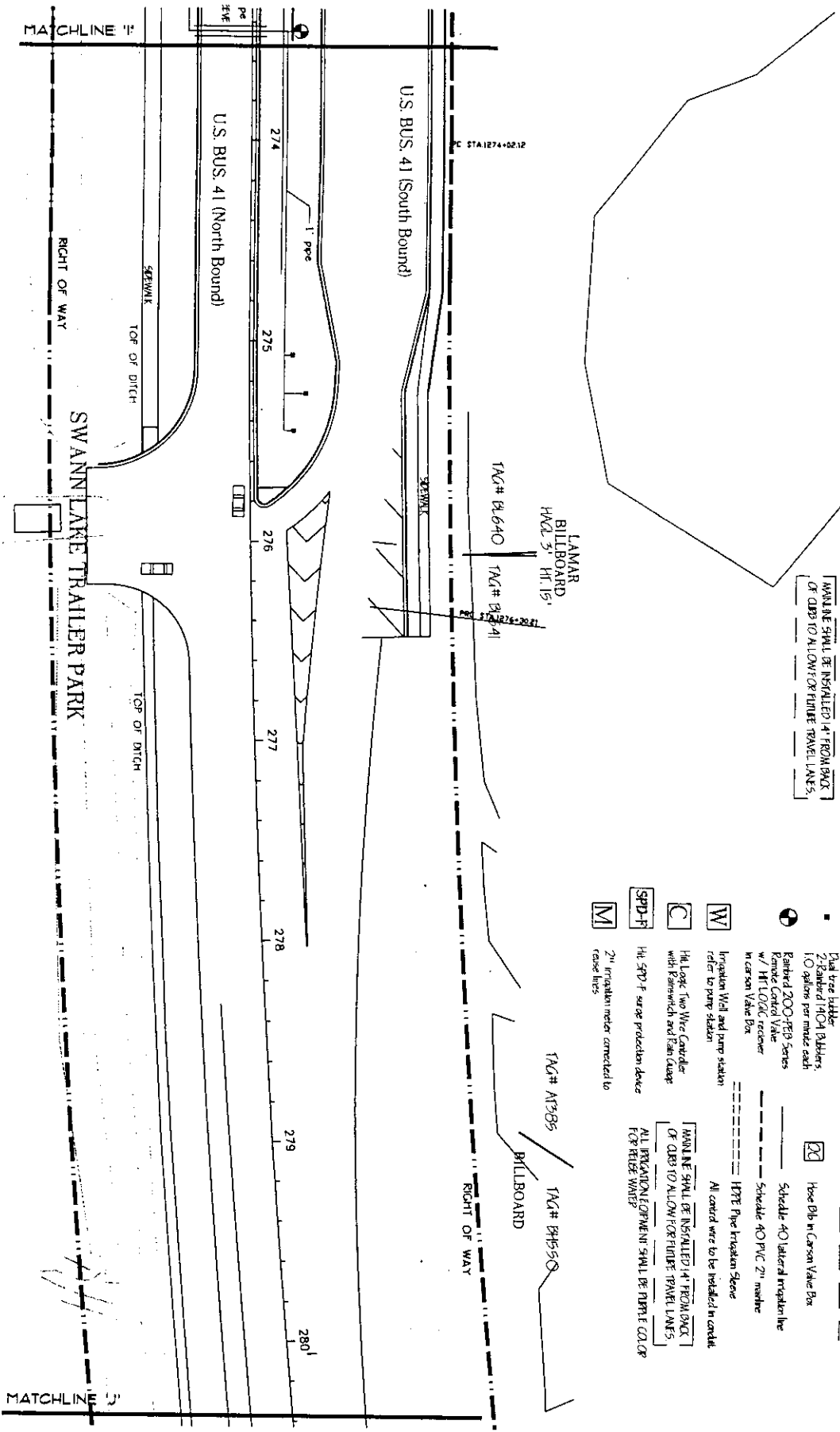
NO.	DATE	DESCRIPTION
1	2/18/05	IRRIGATION

PROJECT NUMBER: L-27

LANDSCAPE ARCHITECTURAL PLANS FOR
U. S. BUSINESS 41
 SR 75 to Littleton Road
 North Fort Myers
 LEE COUNTY FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
 ROUTEWAY 71, ORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD PORT MYERS FLORIDA 33901
 (813) 337-5525 FAX (813) 337-4494



MANHOLE SHALL BE INSTALLED 4' FROM BACK OF CURB TO ALLOW FOR FUTURE TRAVEL LANES.

IRRIGATION LEGEND

- Dial tree bubbler
- 2- Rained 1/4" Bubbler
1.0 gallons per minute each
- Rained 200' PEB Series
Remote Control Valve
w/ Hill Logic receiver
in Carbon Valve Box
- W Irrigation Well and pump station
refer to pump station
- C Hill Logic Two Wire Controller
with Rainswitch and Fan Gauge
- M Hi SPD 7" surge protection device
2" irrigation meter connected to
raise lines
- Hoop Dls in Carbon Valve Box
- Schedule 40 Lateral Irrigation line
- Schedule 40 PVC 2" mainline
- HDPE Pipe Irrigation Sleeve
- Al center area to be installed in concrete
- MANHOLE SHALL BE INSTALLED 4' FROM BACK OF CURB TO ALLOW FOR FUTURE TRAVEL LANES.
- ALL IRRIGATION EQUIPMENT SHALL BE WHITE COLOR FOR REFLECT WATER

UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



DATE: 2/18/05

PROJECT NUMBER: L-28

DATE: 2/18/05

LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

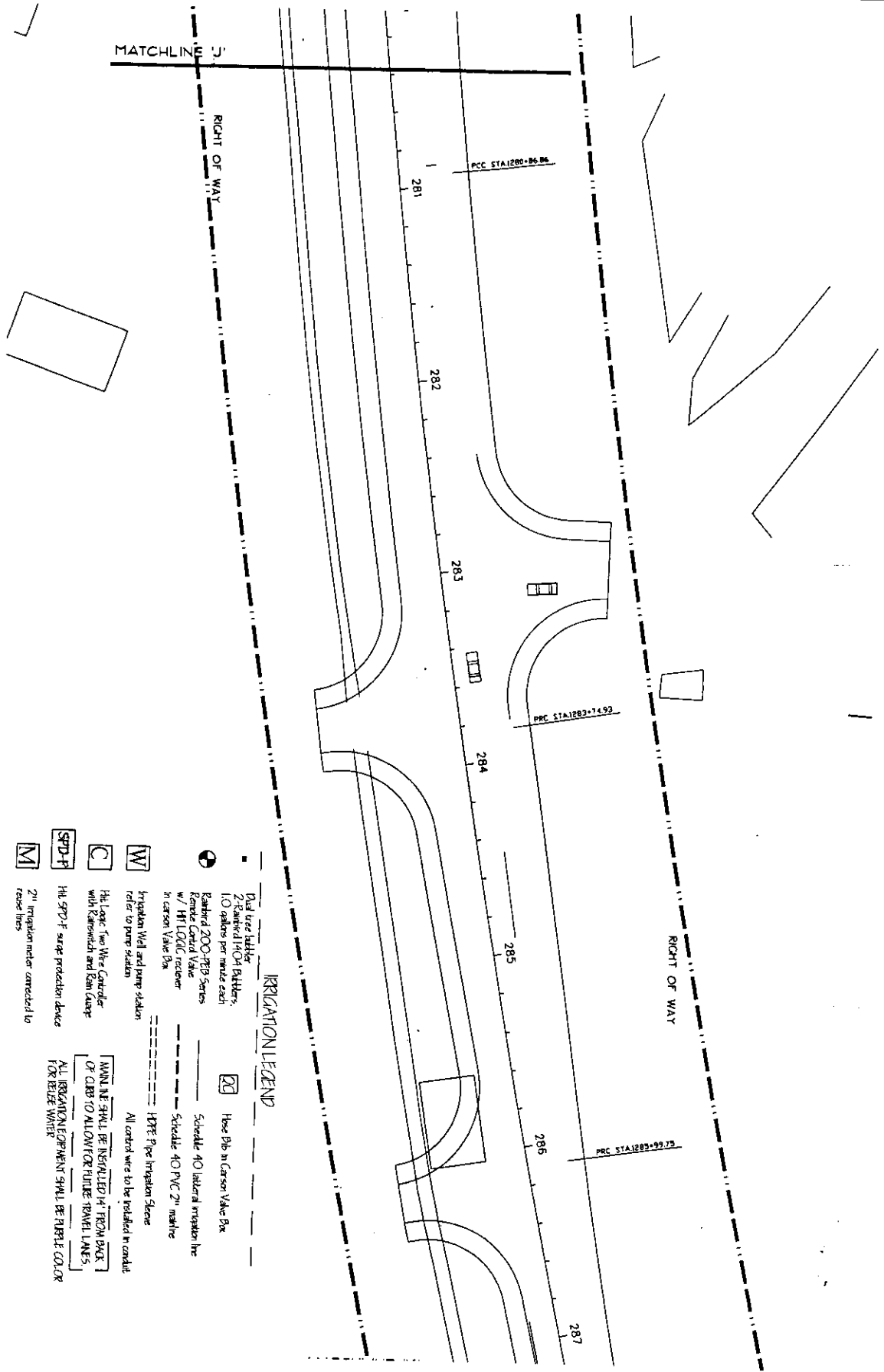


DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901
(813) 337-5323 FAX (813) 337-4494



UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.



IRRIGATION LEGEND

- Dual tree emitter
2' spacing of 1/4" O.D. Bubbler,
1.0 gallons per minute each
 - Round 200' PPR Series Remote Control Valve w/ HF Logic receiver in Carson Valve Box
 - Irrigation Well and pump station
 - 1/2" HDPE Pipe Irrigation Zone
All control wires to be protected in conduit
 - 1/2" HDPE Pipe Irrigation Zone
All control wires to be protected in conduit
 - 2" irrigation meter connected to road lines
 - SFD-F surge protection device
 - 2" irrigation meter connected to road lines
 - Hose Bib in Carson Valve Box
 - Schedule 40 lateral irrigation line
 - Schedule 40 PVC 2" mainline
 - 1/2" HDPE Pipe Irrigation Zone
All control wires to be protected in conduit
 - 1/2" HDPE Pipe Irrigation Zone
All control wires to be protected in conduit
 - 1/2" HDPE Pipe Irrigation Zone
All control wires to be protected in conduit
- MINIMUM SHALL BE INSTALLED IN FROM BACK OF CURB TO ALLOW FOR FLUTE TRAVEL LINES. ALL IRRIGATION EQUIPMENT SHALL BE RIBBIE COLOR FOR BEETLE WATER.

SCALE 1" = 50'



REVISED DATE:

SHEET NUMBER: **L-29**

SHEET DESCRIPTION: Irrigation

DATE: 2/18/05

PROJECT NO.: 576-34-01

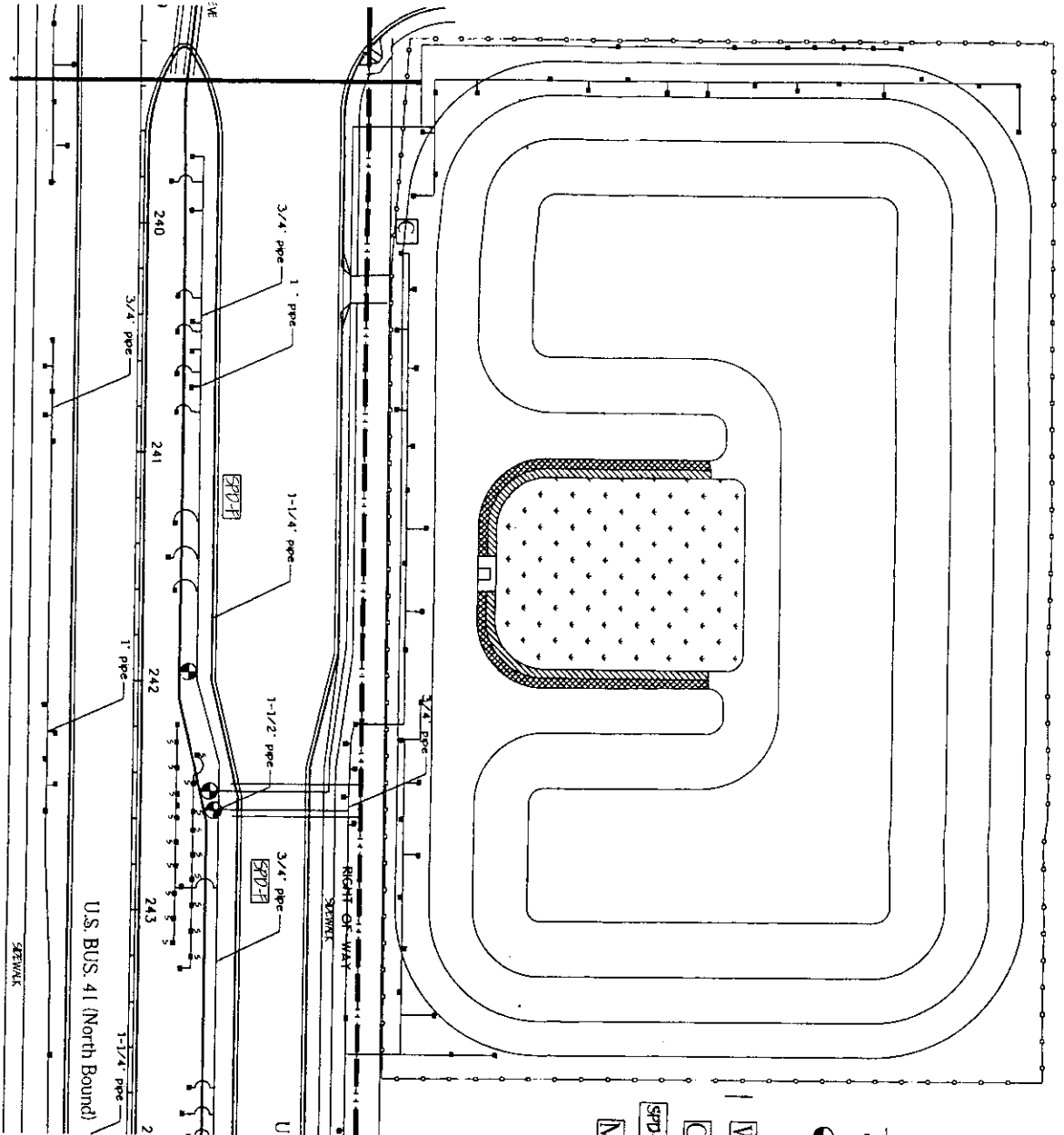
LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
SR 75 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA



DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA, 33907
(513) 337-3525 FAX (513) 337-4494





UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

- IRRIGATION LEGEND**
- Dual Tree Irrigator
 - 2" Raintrol 4004 Bladders, 1.0 gallons per minute each
 - Raintrol 2000-PTB-Series Remote Control Valve w/ 1111 LCDL receiver in Carson Valve Box
 - Irrigation Well and pump station refer to pump station
 - W Well cap: two Wire Gaskets with Rainswitch and Rain Gauge
 - SPD-F surge protection device
 - M 2" irrigation meter connected to race lines
 - Hose 2 1/2" in Carson Valve Box
 - Schedule 40 lateral irrigation line
 - - - Schedule 40 PVC 2" mainline
 - WPE Pipe Irrigation Sleeve
 - All control wire to be installed in conduit
 - MAINLINE SHALL BE INSTALLED 14" FROM BACK OF CURB TO ALLOW FOR FUTURE TRAVEL LANES. ALL IRRIGATION EQUIPMENT SHALL BE PLUMBED TO OPERATE ON RAINFALL WATER

SCALE 1" = 50'

APPROVED DATE: _____

SHEET NUMBER: L-30

DATE: 2/18/05

SHEET DESCRIPTION: Irrigation

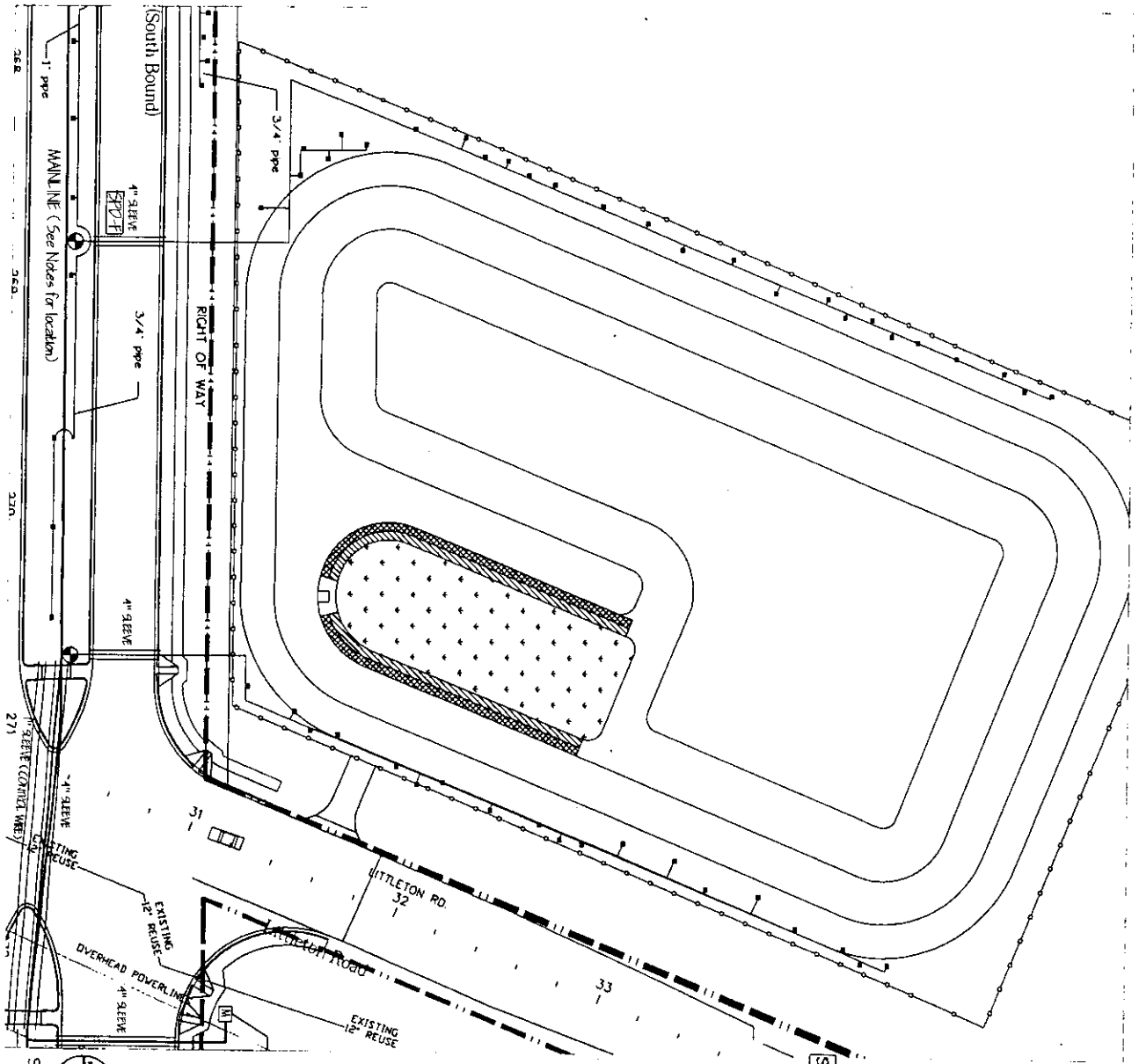
PROJECT NO.: 576-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
 SR 75 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
 SOUTHWAY FLORIDA (239) 894-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 McCREGOR BLVD. LEYARD
 FORT MYERS FLORIDA 33901
 (813) 337-5525 FAX (813) 337-4484





- IRRIGATION LEGEND**
- Dual tree header
 - 2" Rainbird HOA Ballbs, 10 gallons per minute each
 - Rainbird 2000-PRB Series Rainbird HOA Valve w/ HI LOGIC receiver in Carson Valve Box
 - Irrigation Head and pump station
 - 1/2" Log, Two Wire Controller with Rainbird and Rain Camp
 - The SPD-F surge protection device
 - 2" irrigation meter connected to trade lines
 - Hose Bib in Carson Valve Box
 - Schedule 40 lateral irrigation line
 - Schedule 40 PVC 2" mainline
 - HDPE Pipe Irrigation Sleeve
 - All control wire to be installed in conduit
 - MAINLINE SHALL BE INSTALLED 4" FROM BACK OF CURB TO ALLOW FOR FUTURE PANEL LINES.
 - ALL IRRIGATION EQUIPMENT SHALL BE PURPLE COLOR FOR EASY IDENTIFICATION

UTILITIES LOCATED OUTSIDE LIMITS OF WORK ARE NOT SHOWN. CONTRACTOR TO VERIFY ALL UTILITY LOCATIONS PRIOR TO CONSTRUCTION.

REVISION DATE:

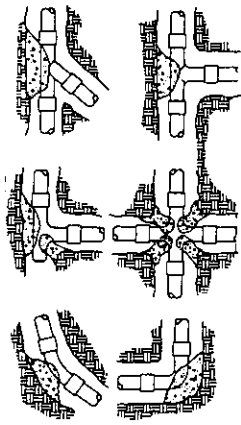
PROJECT NO. 576-34-01
 DATE: 2/18/05
 SHEET DESCRIPTION: Irrigation
 SHEET NUMBER: L-31

LANDSCAPE ARCHITECTURAL PLANS FOR:
U.S. BUSINESS 41
 SR 76 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
 SOUTH WEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BLVD. FORT MYERS, FLORIDA 33901
 (813) 337-5625 FAX (813) 337-4494

KEY	DESCRIPTION	LOCATION										NOTES			
		SHEET 19	SHEET 20	SHEET 21	SHEET 22	SHEET 23	SHEET 24	SHEET 25	SHEET 26	SHEET 27	SHEET 28				
■	Old tree babbler Under existing PCB Series Batters	152	28	85	54	154	74	145	149	60	6	14	90	715	
■	Slide Vee babbler Under existing PCB Series Batters	10	15		18	19	19							99	
●	Banded 200-PPB Series Eggs under existing w/ HFT/ODD receiver in Green Valley Sta.			4	1	4	1	4	2	5				22	
○	H/L Loop 2, Low Wire Controller with Remote and Flow Valve														1
□	Flow Valve in Access Valve Box														3
—	Sleeve 40' PVC 2" w/valve														
—	Sleeve 40' PVC 2" w/valve														
—	Sleeve 40' PVC 1/2" w/valve														
—	H/L 20' PVC 2" w/valve and all levels over 200' in elevation														
—	All control wire to be installed in conduit														22



THRUST BLOCKS SHALL BE CONSTRUCTED BEHIND ALL MAIN LINE FITTINGS, STEES, BENDS, REDUCERS, LINE VALVES, PLUGS, COAPS, ETC., IN ACCORDANCE WITH PIPE MANUFACTURERS RECOMMENDATIONS.

THRUST BLOCK SHALL BEAR AGAINST UNDISTURBED EARTH AND IN CASE THIS IS NOT POSSIBLE, THEY SHALL BE MADE CORRESPONDINGLY LARGER.

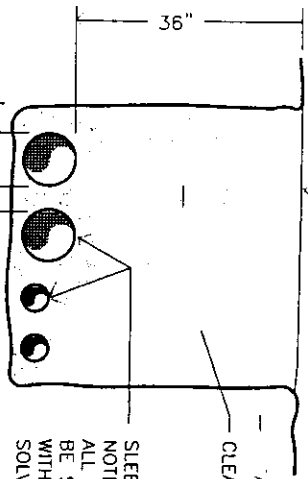
THRUST BLOCKS SHALL BE SO PLACED AS NOT TO INTERFERE WITH REPAIR TO JOINTS AND COUPLINGS AND SHALL BE A CONCRETE MIX CONSISTING OF ONE PART CEMENT, TWO PARTS SAND, AND 5 PARTS GRAVEL, MIXED AND PLACED FAIRLY DRY SO THEY MAY BE SHAPED EASILY. NO PRECAST UNITS SHALL BE USED.

PROVIDE & INSTALL 15# ROOFING FELT AS A SEPARATOR BETWEEN PIPES, FITTINGS & THRUST BLOCKS. PLACE CONCRETE DIRECTLY AGAINST FELT BUT NOT AGAINST PVC.

THRUST BLOCKS SHALL BE INSPECTED PRIOR TO BACKFILLING.

THRUST BLOCKING

NOT TO SCALE



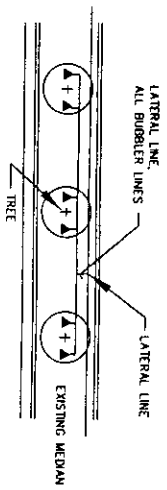
SET TOP OF SLEEVES 36" BELOW SITE FINISH GRADE AT SLEEVE LOCATION. BACKFILL TRENCH WITH CLEAN FILL MATERIAL FREE OF ORGANIC MATERIAL AND ROCK. EXTEND SLEEVES 36" BEYOND THE OUTSIDE EDGE OF PAVEMENT OR BACK OF CURB. STAKE EACH END OF SLEEVES WITH SURVEYORS LATH MARKED "IRRIIG SLEEVES".

INSTALL METAL DETECTION TAPE IN TRENCH OVER MAIN LINE PER FOOT UTILITY ACCOMMODATION MANUAL, LATEST EDITION.

SLEEVE / TRENCH DETAIL

NOT TO SCALE

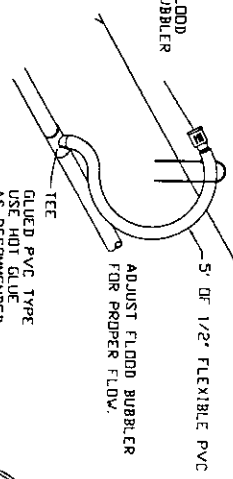
NOTE: CONTRACTOR SHALL REFER TO IRRIGATION PLANS FOR BUBBLER LOCATIONS AND REFERENCED IRRIGATION AS-BUILT DRAWINGS.



BUBBLER LINE INSTALLATION

NOT TO SCALE

SECURE TWO BUBBLERS IN CENTER OF ROOT BALL AND 180° APART WITH METAL STAKE ON UPHILL SIDE.

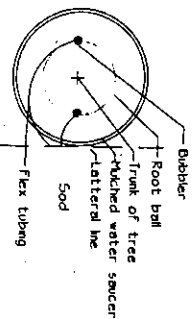


ADJUST FLOOD BUBBLER FOR PROPER FLOW.

GLUED PVC TYPE USE HOT GLUE AS RECOMMENDED BY THE MANUFACTURER.

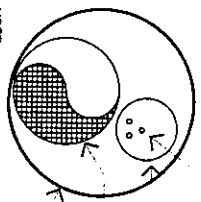
TREE BUBBLER

NOT TO SCALE



TYPICAL IRRIGATION HEAD DETAIL

SLEEVES - SIZE AS NOTED ON PLANS. ALL SLEEVES SHALL BE SCH. 40 PVC WITH ALL JOINTS SOLVENT WELDED.



MAINTAIN MIN. 4" OF CLEAN BACKFILL SEPARATING ALL SLEEVES.

PULSE & COMMON CONTROL WIRES

PVC INNER CONDUIT FOR PULSE & COMMON WIRES

IRRIGATION MAIN LINE

SLEEVE AS NOTED ON PLANS

NOTE: PVC WIRE CONDUIT SHALL BE ONE CONTINUOUS RUN LENGTH FOR RUNS LESS THAN 20'. RUNS OF GREATER THAN 20' SHALL HAVE SOLVENT WELD JOINTS.

SLEEVE DETAIL

NOT TO SCALE

REVISED: _____

SHEET NUMBER: L-32

DATE: MAR. 09, 2003

PROJECT NO.: 576-34-01

LANDSCAPE ARCHITECTURAL PLANS FOR:

U. S. BUSINESS 41

SR 75 to Littleton Road

North Fort Myers

LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION

LEE COUNTY

FOURTH WEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.

LANDSCAPE ARCHITECTS AND PLANNERS

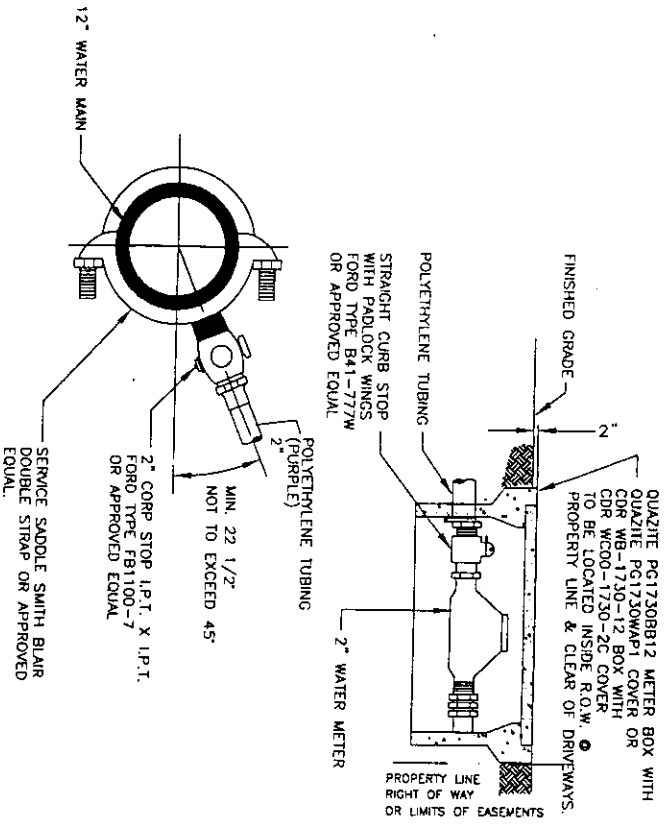
2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901

941.337-3323 FAX 941.337-4494



TYPICAL IRRIGATION NOTES

1. ALL VALVES, SPICES WITHIN VALVE CONTROL LINES, AND RUCK COUPLERS SHALL BE LOCATED WITHIN SPECIFIED VALVE BOXES AS FOLLOWS: SECTION VALVES - RUCK COUPLERS AND/OR FILTERS - 10" CIRCULAR VALVE BOX; RECTANGULAR 12" X 17".
2. VERIFY LOCATIONS OF ALL UNDERGROUND UTILITIES PRIOR TO INSTALLATION OF IRRIGATION SYSTEM. MAIN LINE PUMP STATION AND CONTROL SHALL NOT BE LOCATED WITHIN PROPERTY LINES. CONTRACTOR SHALL VERIFY ALL UTILITIES AND STRUCTURES MAY NOT BE SHOWN ON THESE PLANS.
3. ALL PRESSURIZED MAIN LINES UNDER ASPHALT PAVEMENT SHALL BE WITHIN SLEEVES AS NOTED. WERE ELECTRIC BE CARRIED WITHIN A SEPARATE, SMALLER CONDUIT.
4. THE IRRIGATION CONTRACTOR SHALL BE DIRECTLY RESPONSIBLE FOR ALL STEEVING AND DIRECTIONAL BORES.
5. ALL IRRIGATION HEADS SHALL BE LOCATED 18 INCHES FROM BACK OF CURB WHEN NEXT TO A ROADWAY.
6. LOCATE ALL VALVES IN PLANTING BEDS OR MATCHED AREAS WITH A MINIMUM OF 3'-0" FROM BACK OF CURB OR EDGE OF PAVEMENT.
7. ALL UNSIZED PIPE SHALL BE 2" UNLESS OTHERWISE NOTED.
8. EACH TREE AND PALM GAS SHOWN ON THE PLANS SHALL HAVE TWO (2) ADJUSTABLE FLOOD BUBBLERS. SUCH HEADS SHALL BE ON MINIMUM 5'-0" LENGTH OF FLEXIBLE PIPE TO ALLOW IT'S POSITIONING AT THE TREE. LOCATE BUBBLERS ON THE UPHILL SIDE OF TREES ON ALL SLOPED. LOCATE BUBBLERS IN THE CENTER OF THE ROOTBALL AND 180° APART.
9. NUMBER THE TOP OF ALL VALVE BOX LIDS WITH A MINIMUM 1" HEIGHT BLACK LETTERS TO CORRESPOND TO AUTOMATIC AND GATE VALVE DESIGNATIONS. ALL HOSE BIBB OR RUCK COUPLER VALVE BOXES SHALL BE LABELED IN A SIMILAR MANNER WITH THE DESIGNATIONS "H" OR "G". LABEL INSIDE OF THE LOCKER CABINET DOOR TO CORRESPOND WITH IRRIGATION CLOCK PROGRAM DESIGNATION.
10. ALL 24 VAC WIRING SHALL BE UP DIRECT BURIAL. COPPER WIRE AS FOLLOWS:
 PLEASE WIRES - #10 GAUGE RED COLOR
 COMMON WIRES - #10 GAUGE WHITE COLOR
 SPARE WIRES - #10 GAUGE BLACK COLOR
11. THE WELL AND CONTROLLER SHALL BE ENCLOSED WITHIN A FIBERGLASS, LOCKABLE COVER WITH AN OPENING FOR THE RAIN SENSOR.
12. DURING INSTALLATION AND UPON COMPLETION OF THE IRRIGATION SYSTEM VALVES SHALL BE WIRED TO CONTROLLER STATION AS PER THE IRRIGATION PROGRAM.
13. ONE (1) FOOT BELOW SITE FINISH GRADE, AND ABOVE ALL MAINS, THE IRRIGATION CONTRACTOR SHALL INSTALL A COLOR CODED METAL DETECTABLE MARKING TAPE WHICH CLEARS NOTES: "CAUTION: IRRIGATION LINE BURIED BELOW". TAPE AS MANUFACTURED BY LINEGUARD, INC., WHEATON, IL 60187.
14. CONTRACTORS ARE ADVISED TO REFER TO THE SPECIFICATIONS, CONTRACT DOCUMENTS, AND PLAN SHEETS FOR A MORE DETAILED DISCUSSION OF PERFORMANCE STANDARDS AND REQUIREMENTS.
15. MAINLINE AND VALVES ARE SHOWN IN SCHEMATIC FORM. LOCATE AS NOTED ON PLANS.
16. IRRIGATION MAINLINE AND LATERAL LINE TO BE BURIED AT A DEPTH OF 35" MINIMUM UNLESS NOTED OTHERWISE.
17. ALL SLEEVES UTILIZED BY THE IRRIGATION CONTRACTOR, WHETHER USED BY HIM OR NOT, SHALL BE LOCATED ON STEEVE, SHALL BE NOTED AT EACH SLEEVE LOCATION ON THE "AS-BUILT" DRAWINGS.
18. IRRIGATION CONTRACTOR SHALL SECURE ANY AND ALL NECESSARY PERMITS FOR THE WORK PRIOR TO COMMENCEMENT OF HIS OPERATIONS. THE SLEEVES OF THE PERMITS SHALL BE SENT TO THE LANDSCAPE SUPERVISOR WORK IN HIS JURISDICTION.
19. CONTRACTOR SHALL PROVIDE AND COORDINATE ALL WORK INVOLVING IRRIGATION TAP AND METER AND INSTALLATION.
20. INSTALLATION OF WORK SHALL BE COORDINATED WITH OTHER CONTRACTORS IN SUCH A MANNER AS TO ALLOW FOR A SMOOTH AND ORDERLY COMPLETION OF ALL WORK ON THE SITE.
21. RESTORE ALL DISTURBED AREAS. SEED AREAS THAT ARE LESS THAN 12" WIDE WITH ARGENTINA BAHIA GRASS AT THE RATE OF 10 LBS. PER 1000 SQUARE FEET. SO AREAS 12" OR WIDER WITH ARGENTINA BAHIA GRASS SOD. PROVIDE A SMOOTH TRANSITION BETWEEN THE REPAIRED DISTURBED AREAS AND THE UNDISTURBED AREAS.
22. CONTRACTOR SHALL INSTALL A HIT SPD-F SURGE PROTECTION DEVICES AT EACH END OF THE WIRES AND AT LEAST EVERY 300' IN BETWEEN. FOR EACH SURGE PROTECTION DEVICE THE CONTRACTOR SHALL INSTALL A GROUNDING ROD, USING APPROPRIATE GROUND ROD PARAMETERS FOR THE SOIL TYPE AND LOCATION.
23. CONTRACTOR SHALL COMPLETELY STRIP TOGETHER IN ALL 24 VOLT ELECTRICAL WIRE SPICE CONNECTIONS BEFORE APPLYING WIRE NUTS AND DRY TIE CONNECTIONS (SEE DET OR HIT DET SEAL PACK CONNECTIONS).
24. CONTRACTOR SHALL INSTALL CONTROLLER WITH TWO (2) COPPER CLAD RODS WITH 16 SOLID COPPER WIRE.
25. IRRIGATION INSTALLATION TO CONFORM TO FOOT'S UTILITY ACCOMMODATION MANUAL, LATEST EDITION.



NOTE:
 TUBING UNDER ROADWAY SHALL BE ENCASED IN 4" P.V.C. PIPE SCHEDULE 40 MINIMUM, AND EXTEND 4 FEET BEYOND THE EDGE OF PAVEMENT OR BACK OF CURB.

SCHEMATIC TAP AND METER ASSEMBLY DETAIL
 DETAIL IS NOT TO SCALE AND DOES NOT REPRESENT ALL ASSEMBLIES.

REVISIONS
 SHEET NUMBER
 L-33

DATE
 MAR. 9, 2003
 SHEET DESCRIPTION
 NOTES AND DETAILS

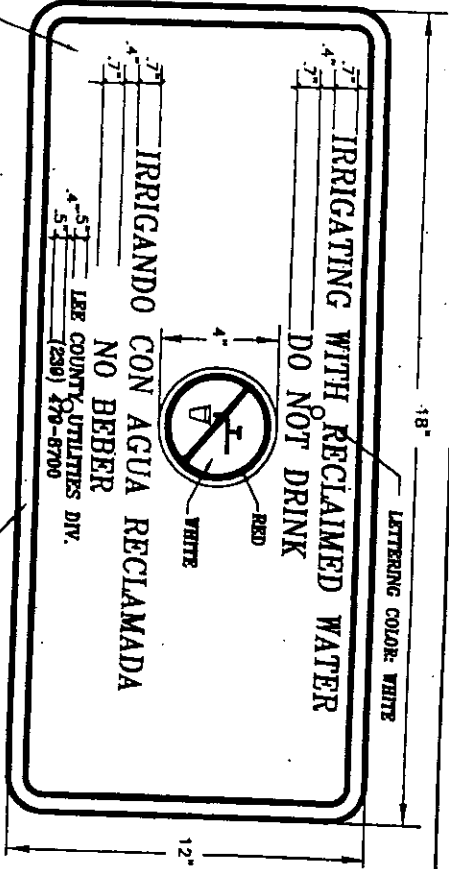
LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
 SOUTH WEST FLORIDA (238) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD PORT MYERS, FLORIDA 33901
 (941) 337-6525 FAX (941) 337-4844

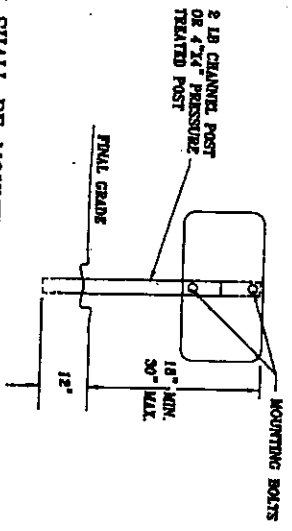


IRRIGATING WITH RECLAIMED WATER SIGNAGE



- NOTES:
1. SIGNAGE REQUIRED WHEN RECLAIMED WATER IS USED ON ANY PREMISES.
 2. SMALLER SIGNS MEASURING 12" LONG BY 9" DEEP MAY BE SUBSTITUTED FOR USE AT PRIVATE RESIDENCES.

3. SIGN SHALL BE MOUNTED IN ACCORDANCE WITH THIS STANDARD DETAIL.



DATE: 06/26/2003

S:\UTILS\ENGR\ACAD\DETAILS\48

1 0 1

LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT
 OF
 TRANSPORTATION
LEE COUNTY
 SOUTHWEST FLORIDA (239) 894-3333A

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901
 (941) 337-5525 FAX (941) 337-4494



DEFINITIONS

Regulatory Speed (In Work Zones)
The maximum permitted travel speed posted for the work zone as indicated by the regulatory speed limit signs. The work zone speed must be shown or noted in the plans. This speed should be used as the minimum design speed to determine travel lengths, departure rates, four corners, lengths of view, clear zone widths, taper lengths, crash cushion requirements, marker spacings, super-elevation and other similar factors.

Advisory Speed
The maximum recommended travel speed through a curve or a hazardous area.

Travel Way

The portion of the roadway for the movement of vehicles. For traffic control through work zones, travel way may include the temporary use of shoulders and any other permanent or temporary surface intended for use as a lane for the movement of vehicular traffic.

Detour, Lane Shift, and Diversion

A detour is the redirection of traffic onto another roadway to bypass the temporary traffic control zone. A lane shift is the redirection of traffic into a different section of the permanent pavement. A diversion is the redirection of traffic onto a temporary roadway, usually adjacent to the permanent roadway and within the limits of the right-of-way.

Above Ground Hazard

An above ground hazard is any object, material or equipment other than traffic control devices that encroaches upon the travel way or that is located within the clear zone which does not meet the Department's safety criteria, i.e., anything that is greater than 4" in height and is firm and unyielding or doesn't meet breakaway requirements.

TEMPORARY TRAFFIC CONTROL DEVICES

All temporary traffic control devices shall be removed as soon as practical when they are no longer needed. When work is suspended for short periods of time, temporary traffic control devices that are no longer appropriate shall be removed or covered. Arrow Panels, Portable Changeable Message Signs, Road Speed Display Trailers, Portable Regulatory Signs, and any other Speed 350 Category 4 devices shall be moved outside the travel way and clear zone or be shielded by a barrier or crash cushion when not in use.

PEDESTRIAN AND BICYCLIST

When an existing pedestrian way or bicycle way is located within a traffic control work zone, accommodation must be maintained and provision for the disabled must be provided. Only approved temporary traffic control devices may be used to delineate a temporary traffic control zone pedestrian walkway. Advanced notification of sidewalk closures and detours marked shall be provided by appropriate signs.

RAILROADS

Railroad crossings affected by a construction project should be evaluated for traffic control to reduce queuing on the tracks. The evaluation should include an minimum traffic volume, distance from the tracks to the intersections, lane closure or taper locations, signal timing, etc.

OVERHEAD WORK

No work shall be allowed over a traffic lane using a bucket truck, unless a lane closure has been set up in accordance with the appropriate index.

OVERSIGHT/OVERSIZED VEHICLES

Restrictions to Lane Width, Height or Load Capacity can greatly impact the movement of over dimensioned loads. The Contractor shall notify the Engineer who in turn shall notify the State Permit Office, phone no. (850) 460-5877, at least seven calendar days in advance of implementing a modification of traffic plan which will impact the flow of oversize/oversight vehicles. Information provided shall include location, type of restriction (height, width or weight) and restriction time frames. When the roadway is restored to normal service the State Permit Office shall be notified immediately.

LANE WIDTHS

Lane widths of through roadways should be maintained through work zone travel ways whenever practical. The minimum widths for work zone travel lanes shall be as follows: if for Interstate with or without one IC lane provided in each direction, unless formally approved by the Federal Highway Administration; if for freeways and ID for all other facilities.

LENGTH OF LANE CLOSURES

Lane closures shall not exceed 2 miles in total length in any given direction on the Interstate or on state highways with a posted speed of 55 MPH or greater.

SHORT DISTANCE TO DELINEATION DEVICES

Transition tapers should be obvious to drivers. If restricted sight distances is a problem (e.g., a sharp vertical or horizontal curve), the taper should begin well in advance of the view obstruction. The beginning of tapers should not be hidden behind curves.

ABOVE GROUND HAZARD

Above ground hazards (see definitions) are to be considered work areas during working hours and treated with appropriate work zone traffic control procedures. During non-working hours, all objects, materials and equipment that constitute an above ground hazard must be stored/placed outside the travel way and clear zone or be shielded by a barrier or crash cushion.

For above ground hazards within a work zone the clear zone required should be based on the regulatory speed posted during construction.

CLEAR ZONE WIDTHS FOR WORK ZONES

The term "clear zone" describes the undisturbed roadway right-of-way, impacted by construction, extending outward from the edge of the traveled lane. The table below gives clear zone widths in work zones for median and roadside conditions other than for roadside conditions where roadside cones are present. Clear zone widths are to conform with the distances to cones as described in Volume I Chapter 4, Sec 4.2 and Exhibit 4-4 and 4-B of the Plans Preparation Manual.

WORK ZONE SPEED (MPH)	WIDTHS (feet)
60-70	30
55	24
45-50	18
30-40	14
ALL SPEEDS	4-BASED FACE OF CURB
CHSE & BUTTER	4-BASED FACE OF CURB

SUPERELEVATION

Horizontal curves constructed in conjunction with work zone traffic control should have the regular super-elevation applied to the design radii, under conditions where normal cross slope controls are desired, the minimum radii that can be applied are listed in the table below.

DESIGN SPEED	MINIMUM RADIUS
15	100
20	150
25	200
30	250
35	300
40	350
45	400
50	450
55	500
60	550

Super-elevations When Smaller Radii Used

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION
TRAFFIC CONTROL THROUGH WORK ZONES

GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES

Approved By: *[Signature]*

600

LANDSCAPE ARCHITECTURAL PLANS FOR: U.S. BUSINESS 41 SR 78 to Littleton Road North Fort Myers LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION LEE COUNTY SOUTH WEST FLORIDA (239) 694-3354

DAVID M. JONES JR. AND ASSOCIATES, INC. LANDSCAPE ARCHITECTS AND PLANNERS 2221 MCGRAWHORN BOULEVARD FORT MYERS, FLORIDA 33901 (941) 357-5525 FAX (941) 357-4494

DATE: 2/18/05

PROJECT NO: 578-34-01

SCALE: AS SHOWN

DATE: 2/18/05

PROJECT NO: 578-34-01

SCALE: AS SHOWN

REGULATORY SPEEDS IN WORK ZONES

Traffic Control Plans (TCPs) for all projects must include specific regulatory speeds for each phase of the work. This can be either the posted speed or a reduced speed. The TCPs must include the regulatory speed to be used in each phase. Regulatory speeds are to be uniformly established through each phase.

In general, the regulatory speed should be established to guide vehicles safely through the work zone as close to normal highway speed as possible. The regulatory speed should not be reduced more than 10 mph below the posted speed and never below the minimum statutory speed for the class of facility. When a speed reduction greater than 10 mph is imposed, the reduction is to be done in 10 mph per 500' increments.

Temporary regulatory speed signs shall be removed as soon as the conditions requiring the reduced speed no longer exist. Once the work zone is closed and removed, the regulatory speed existing prior to construction will automatically be back into effect unless new speed limit signing is provided for in the plans.

On projects with interrupted work activities, speed reductions should be located in proximity to those activities which merit a reduced speed, and not "battered" for the entire project. At the departure of each activity, the normal highway speed should be posted to give the motorist notice that normal speed can be resumed.

If the existing regulatory speed is to be used, speed reduction signs should be given to implementing the existing speed limit. For projects where the reduced speed operations exist for greater than 1 mile in rural areas (non-interstates) and on rural or urban interstates, additional regulatory speed signs are to be placed at no more than 1 mile intervals. Engineering judgment should be used in placement of the additional signs. Locating these signs beyond ramp entrances and beyond major interchanges are examples of proper placement. For urban situations (non-interstates), additional speed signs are to be placed at a maximum of 500' apart.

When field conditions warrant speed reductions different from those shown in the TCP, the contractor may submit to the project engineer for approval. The contractor, a signed and sealed study to justify the speed for the work zone. The posted speed, or the engineer may request the District Traffic Engineer (DTE) to investigate the need. It will not be necessary for the contractor to investigate for regulatory speeds in work zones due to the normal regulations of F.S. 316.06(2)(b). Advisory Speed plates will be used at the option of the field engineer for temporary use with processing a request to change the regulatory speed specified in the plans when deemed necessary. Advisory speed plates cannot be used above but must be placed below the construction warning sign for which the advisory speed is required.

For additional information refer to the FDOT Roadway Plans Preparation Manual, Volume 1, Chapter D.

FLAGGER CONTROL

Where flaggers are used, a FLAGGER symbol or legend sign must replace the WORKERS symbol or legend sign.

The flagger must be clearly visible to approaching traffic for a distance sufficient to permit proper response by the motorist to the flagging instructions, and to permit traffic to reduce speed or to stop or regulated before entering the work site. Flaggers shall be positioned to maintain maximum color contrast between the flagger's reflective garments and equipment and the work area background.

HIGH-VISIBILITY CLOTHING

For daytime work, the flagger's vest, shirt, or jacket shall be orange, or a fluorescent version of this color. For nighttime work, a fluorescent version of this color. For nighttime work, smaller visible garments shall be retroreflective. The retroreflective material shall be either orange, yellow, white, silver, yellow-green, or a fluorescent version of these colors, and be visible at a minimum distance of 1,000 ft. The retroreflective clothing shall be designed to clearly identify the worker as a person.

HAND-SIGNALING DEVICES

STOP/SLOW paddle and the primary hand-signaling device. The STOP/SLOW paddle shall be at least 36" on a rigid handle. STOP/SLOW paddles shall be at least 36" on a rigid handle of least 5 inches high and should be fabricated from heavy-duty material. The background of the STOP face shall be red with white letters and borders. The background of the SLOW face shall be orange with black letters and borders. When used at night, the STOP/SLOW paddle shall be retroreflective.

Flag use is limited to immediate emergencies, interchanges, and when working on overhead or elevated left turn lanes where two (2) flaggers are required and there is opposing traffic in the adjacent lanes. Flags, when used, shall be a minimum of 24 inches square, made of good grades of reflective material, and securely fastened to a staff that is approximately 36 inches in length. When used at nighttime, flags shall be retroreflective red.

Flashlight, lantern or other lighted signal that will display a red warning light shall be used at night.

FLAGGER STATIONS

Flagger stations shall be located far enough in advance of the work zone so that approaching road users will have sufficient distance to stop before entering the work zone. When used at nighttime, the flagger station shall be illuminated.

SURVEY WORK ZONES

The SURVEY CREW AHEAD symbol or legend sign shall be the principal Advance Warning Sign used for Traffic Control Through Survey Work Zones and may replace the ROAD WORK AHEAD sign when lane closures occur, at the discretion of the Party Chief. Type B Light or dual orange flags shall be used at all times to enhance the SURVEY CREW AHEAD sign, even with mesh signs.

When Traffic Control Through Work Zones is being used for survey purposes only, the END ROAD WORK sign as called for on certain 600 Series Inroads should be omitted.

SURVEY BETWEEN ACTIVE TRAFFIC LANES OR SHARED LEFT TURN LANES

The following provisions apply to both Roadway Traffic Control Work Zones. These provisions must be followed by the Party Chief in all roadway and traffic conditions when the Survey Work Zone includes interchanges.

- (A) A STAY IN YOUR LANE (NOT-1) sign shall be added to the Advance Warning Sign sequence on the second most immediate sign from the work area.
- (B) Erection Surveys-Cone may be used at the discretion of the Party Chief to protect person holder and flagger's 1. Cones, if used, may be placed at up to 50' intervals along the work line throughout the work zone.
- (C) Horizontal Control-With traffic flow In the same direction, cones shall be used to protect the backlight tripod and/or instrument. Cones shall be placed at the equipment, and up to 50' intervals for at least 600' towards the flow of traffic.
- (D) Horizontal Control-With traffic flow In opposite directions, cones shall be used to protect the backlight tripod and/or instrument. Cones shall be placed at the equipment, and up to 50' intervals for at least 600' in both directions towards the flow of traffic.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
TRAFFIC CONTROL THROUGH WORK ZONES	
GENERAL INFORMATION FOR	
TRAFFIC CONTROL THROUGH WORK ZONES	
DATE	APPROVED BY
2/16/05	[Signature]
PROJECT NO.	DATE
378-34-01	2/16/05
SCALE	DATE
AS SHOWN	2/16/05
600	

DESIGNED BY: [Signature]
CHECKED BY: [Signature]
DATE: 2/16/05
PROJECT NO.: 378-34-01
SCALE: AS SHOWN
L-38

LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 694-3534

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 MADRID BOULEVARD FORT MYERS, FLORIDA 33901
(941) 337-6525 FAX (941) 337-1494



PORTABLE CHANGEABLE (VARIABLE) MESSAGE SIGNS (PCMS)

- (1) The PCMS can be used to:
- (2) Supplement standard signing in construction/maintenance work zones.
- (3) Reinforce static advance warning messages.
- (4) Provide motorists with updated guidance information.

PCMS should be placed approx. 500 to 600 feet in advance of the work zone and/or 1.5 to 2 miles in advance of complex traffic control schemes which require new and/or unusual traffic maneuvers. If PCMS are to be used at night, the intensity of the flashers shall be reduced during darkness when lower intensities are desirable. For additional information refer to the FDOT Roadway Plans Preparation Manual, Volume I, Chapter 10.

CHANNELIZING AND LIGHTING DEVICES

Channelizing and lighting devices for work zone traffic control shall be as prescribed in Part II of the MUTCD, subject to supplemental revisions provided in the contract documents. Primary work zone traffic control devices are shown on Sheet 6 for the purpose of ready identification. Approved devices are listed on the Department's Qualified Product List.

CHANNELIZING AND LIGHTING DEVICE CONSISTENCY

Barricades, vertical panels, cones, tubular markers and drums shall not be intermixed within either the lateral transition or within the longest alignment.

REMOVING PAVEMENT MARKINGS

Existing pavement markings that conflict with temporary work zone delineation shall be removed by any method approved by the Engineer, when operations exceed one daylight period. Full, partial or over-edges of other capital concrete SP 9.5 or FC-6 are 0 positive means to achieve adhesion.

SIGNALS

Existing traffic signal operations that require modification in order to carry out work zone traffic control shall be included in the TDP and be approved by the District Traffic Operations Engineer.

Maintain all existing controlled or traffic responsive mode signal operations for main and side drives. The Contractor shall maintain the Contract and require restoration of operation of detection within 12 hours. The contractor shall select only the technology listed on the Department's Approved Products List (APL) and approved by the Engineer to restore detection capabilities. The Plans shall identify the intersections where Temporary Traffic Detection is required.

WARNING LIGHTS

Warning lights shall be in accordance with Section 6F-72 of the MUTCD except for the application limitations stipulated below.

Eligible:

Type A Low Intensity Flashing Warning Lights are to be mounted on barricades, cones, vertical panels or advance warning signs (except as noted below) and are intended to continuously warn drivers that they are approaching or proceeding in hazardous areas. Flashing lights shall not be used to delineate the intended path of travel, and shall be placed with spacing that will form a continuous line to the driver's eye. The Type A light will be used to mark detours that are located adjacent to or in the intended travel way. Type A lights shall not be used in conjunction with the first advance warning sign nor the second such sign when used.

Type B High Intensity Flashing Warning Lights shall be mounted on the first advance warning sign and on the first and second advance warning signs to any work zone. The light shall be mounted to all channel post or on the upper edge of the sign nearest the traffic.

Steady-Burn:

Type C Steady-Burn Lights are to be mounted on barricades, cones, cones, vertical panels and used in combination with those devices to delineate the travel way on lane closures, lane changes, diverter curves and other similar conditions. Steady-burn lights are intended to be placed in a line to delineate the travel way through areas of the traffic control zone. They are intended for use through warning drivers that they are approaching or proceeding through a hazardous area.

ROADSIDE BARRIERS

When connecting temporary concrete barrier wall to guardrail the connection shall be made in accordance with Index No. 40. All guardrail and endorings to be included in the cost of Temporary Guardrail.

TRUCK MOUNTED ATTENUATORS

Truck-mounted attenuators (TMA) can be used for moving operations and short-term stationary operations. For moving operations, see Index No. 627. For short-term, stationary operations, see Part II of the MUTCD.

MANHOLE/CROSSWALKS

Manholes extending 1' or more above the travel lane and crosswalks having an uneven surface greater than 1/4" shall have temporary asphalt apron constructed as shown in the diagram below.



The apron is to be removed prior to constructing the next lift of asphalt. The cost of the temporary asphalt shall be included in the Contract Unit Price for Maintenance of Traffic, LS.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
TRAFFIC CONTROL THROUGH WORK ZONES	
Checked By:	Approved By:
Checked On:	Checked On:
Sheet No.:	Sheet No.:
600	600

GENERAL NOTE:

DATE: 2/16/05
 PROJECT NO: 576-34-01
 CONTRACT NO: 600

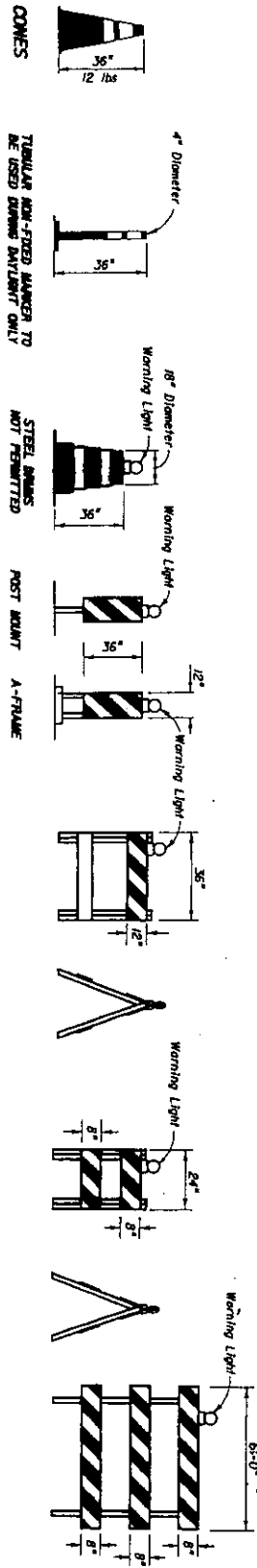
LANDSCAPE ARCHITECTURAL PLANS FOR:
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA



DEPARTMENT OF TRANSPORTATION
 LEE COUNTY
 SOUTHWEST FLORIDA (239) 694-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 2221 MCGREGOR BOULEVARD PORT MYERS, FLORIDA, 33901
 (941) 337-5525 FAX (941) 337-4494

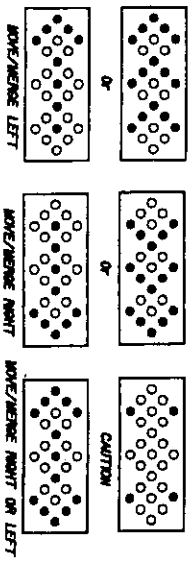




TUBULAR MARKER TO BE USED DURING DAYLIGHT ONLY
 STEEL DRUMS NOT PERMITTED
 POST MOUNT A-FRAME
 TYPE I BARRICADE
 TYPE II BARRICADE
 TYPE III BARRICADE

CHANNELIZING AND LIGHTING DEVICE AND ADVANCE WARNING ARROW PANEL NOTES

1. Only approved traffic control devices included on the Qualified Products List (QPL) may be used.
2. The FDOT approval number shall be approved on the label of a device and readily visible when the device is not provided a water-resistant type label may be used.
3. The details shown on this sheet are for the following purposes: (a) For ease of identification and (b) To provide information that supplements or supplements that provided by the MUTCD.
4. The Type III Barricade shall have a unit length of 6'-0" only. When barricades of greater lengths are required these lengths shall be in multiples of the 6'-0" unit. Signs used in conjunction with Type III Barricades may be mounted on or above the barricade. These signs should not cover more than 50 percent of the top two rolls or 50 percent of the total end of the three rolls.
5. During hours of darkness, warning lights shall be used on drums, vertical panels, Type II and Type III barricades in accordance with Warning Lights Sheet 3.
6. Roll(s) shall not be placed on top rolls or any stacked rolls or higher than 15" above the driving surface.
7. For rolls less than 3'-0" long, 4" stripes shall be used.
8. When Advance Warning Arrow Panels are used at night, the intensity of the flashes shall be reduced during darkness when lower intensities are desirable.
9. A single arrow panel shall not be used to merge traffic. Instead, two arrow panels are used to show multiple lanes of traffic and shall be used of the merging taper for each closed lane.
10. Cones shall:
 1. Be used only in work zones where workers are present.
 2. Not exceed 2 miles in length of use of any one time nor exceed a 12 hour work period.
 3. Have as a minimum, one designated person for the purpose of continuous monitoring and maintenance of cones during lane closures.
 4. Be authorized as per the MUTCD with Department approved reflective collars when used at night.
11. The applying of sheeting is not permitted on either channelizing devices or MUT signs.



- Minimum Required Lamps
- Additional Lamps Allowed

**MODES
ADVANCE WARNING ARROW PANELS**

**IDENTIFICATIONS - CHANNELIZING AND LIGHTING DEVICES AND
ADVANCE WARNING ARROW PANEL MODES**

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL THROUGH WORK ZONES

GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES

Approved By: [Signature]

Checked By: [Signature]

600

COMMONLY USED WARNING AND REGULATORY SIGNS IN WORK ZONES

Legend and/or Symbol/Background

- 0-Orange (Reflectorized)
- 8-Black (Non-Reflectorized)
- W-White (Reflectorized)
- R-Red (Reflectorized)
- Y-Yellow (Reflectorized)
- G-Green (Reflectorized)

COLOR CODES

Note:

- When standard orange flags or flashing warning lights are used in conjunction with signs, they shall not block the sign face.
- The sign styles, symbols and messages contained on this sheet are provided for ready reference to those signs used in the development of the 600 series Design Standards and are commonly used in the development of traffic control plans.

For additional signs and sign detail information refer to the STANDARD HIGHWAY SIGN MANUAL as specified in the MUTCD. Special signs for frontage control plans will be as approved by the State Traffic Engineers.

The sign codes shown on this sheet are for the purpose of identifying signs used in the frontage control sign manual. The sign codes shown in the STANDARD HIGHWAY SIGN MANUAL should be referenced for the official sign codes for use in the development of traffic control plans. See Index No. 0355 for MUT sign details.

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL THROUGH WORK ZONES

GENERAL INFORMATION FOR TRAFFIC CONTROL THROUGH WORK ZONES

Approved By: *[Signature]*

DATE: 2/18/05

PROJECT NO.: 578-34-01

SCALE: 5/8" = 1'-0"

500

LANDSCAPE ARCHITECTURAL PLANS FOR:

U. S. BUSINESS 41

SR 78 to Littleton Road

North Fort Myers

LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION

LEE COUNTY

SOUTHWEST FLORIDA (259) 694-3334

PROJECT NO.: 578-34-01

DATE: 2/18/05

SCALE: 5/8" = 1'-0"

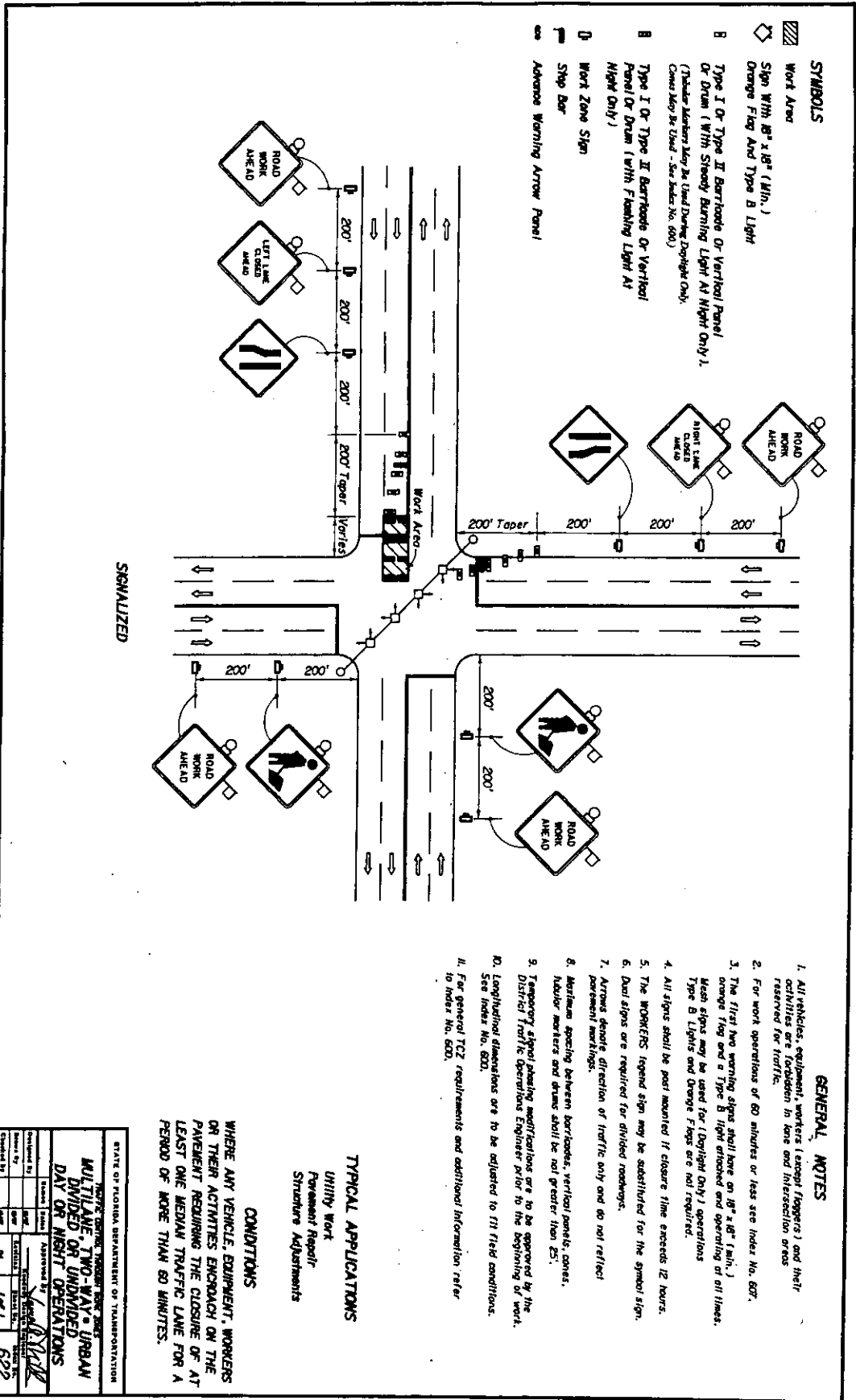
500

DAVID M. JONES JR. AND ASSOCIATES, INC.

LANDSCAPE ARCHITECTS AND PLANNERS

2221 MCGREGOR BOULEVARD FORT MYERS, FLORIDA 33901

(941) 337-5525 FAX (941) 337-4494



DATE: 2/18/05

PROJECT NO.: 578-34-01

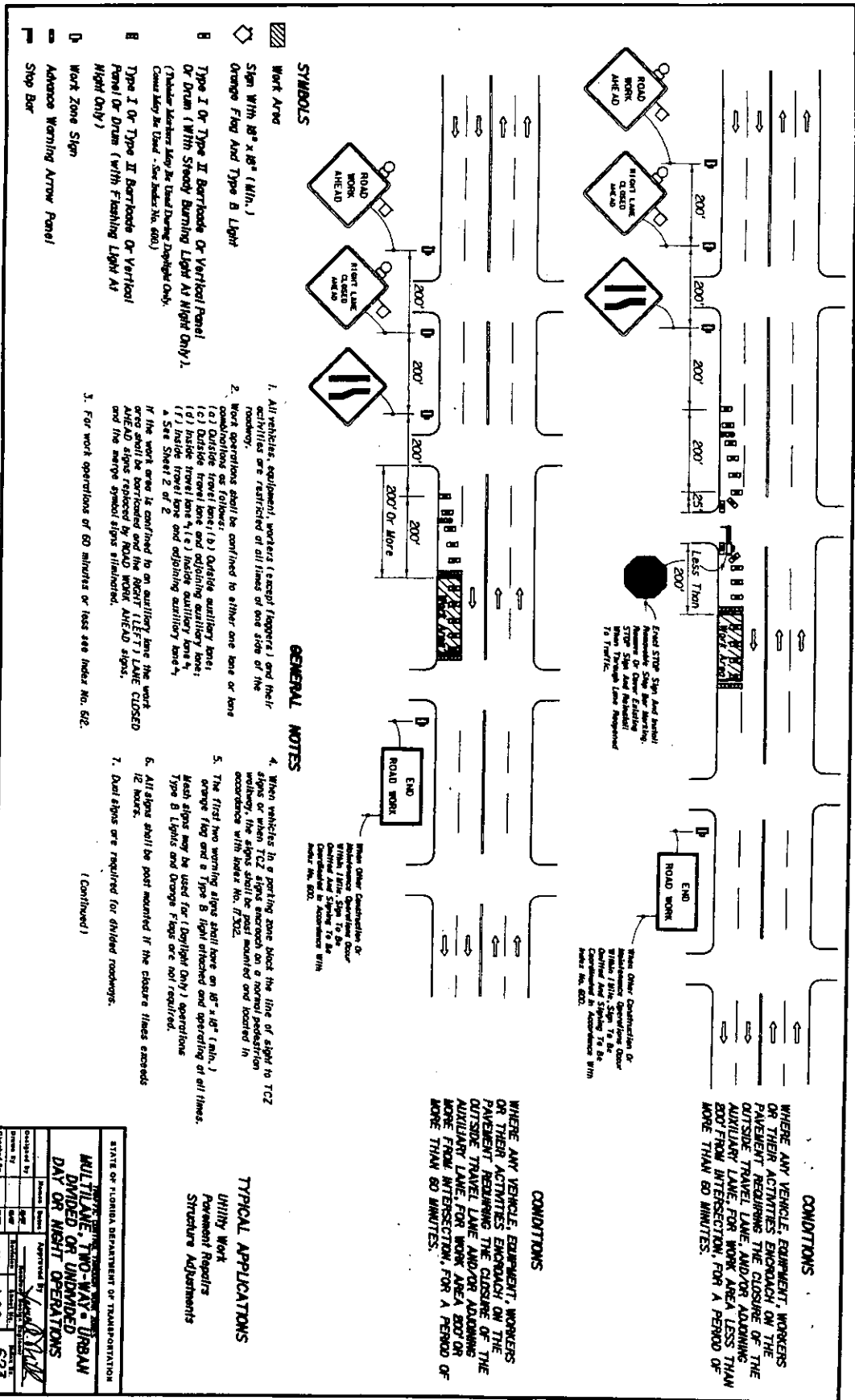
LANDSCAPE ARCHITECTURAL PLANS FOR:

U. S. BUSINESS 41
SR 78 to Littleton Road
North Fort Myers
LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
LEE COUNTY
SOUTHWEST FLORIDA (239) 684-3334

DAVID M. JONES JR. AND ASSOCIATES, INC.
LANDSCAPE ARCHITECTS AND PLANNERS
2221 McBRIDE BOULEVARD FORT MYERS, FLORIDA 33901
(941) 337-0225 FAX (941) 337-4484





- SYMBOLS**
- ▨ Work Area
 - ◇ Sign With 18" x 18" (Min.) Orange Flag And Type B Light
 - Type I Or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only). (Shapes Vary Along The Road During Daylight Only. Check Meter For Used - See Index No. 600.)
 - ▢ Type I Or Type II Barricade Or Vertical Panel Or Drum (With Flashing Light At Night Only)
 - ▣ Work Zone Sign
 - ▤ Advance Warning Arrow Panel
 - ▥ Stop Bar

- GENERAL NOTES**
1. All vehicles, equipment, workers (except flaggers) and their activities are restricted to all lanes of one side of the roadway.
 2. Work operations shall be confined to either one lane or lane combinations as follows:
 - (a) Outside travel lane (b) Outside auxiliary lane
 - (c) Inside travel lane and adjoining auxiliary lane
 - (d) Inside travel lane (e) Inside auxiliary lane
 - (f) Inside travel lane and adjoining auxiliary lane
 - (g) See Sheet 2 of 2
 3. For work operations of 60 minutes or less see Index No. 602.

4. When vehicles in a parking zone block the line of sight to TCZ signs or when TCZ signs encroach on a normal pedestrian roadway, the signs shall be post mounted and located in accordance with Index No. 602.
5. The first two warning signs shall have an 18" x 18" (min.) flash sign and a Type B light (daylight only) operations. Type B lights and orange flags are not required.
6. All signs shall be post mounted if the closure times exceeds 12 hours.
7. Dual signs are required for divided roadways.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCOACH ON THE PAVEMENT REQUIRING THE CLOSURE OF THE OUTSIDE TRAVEL LANE AND/OR ADJOINING AUXILIARY LANE FOR WORK AREA 602 OR MORE FROM INTERSECTION, FOR A PERIOD OF MORE THAN 60 MINUTES.

CONCATIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCOACH ON THE PAVEMENT REQUIRING THE CLOSURE OF THE OUTSIDE TRAVEL LANE AND/OR ADJOINING AUXILIARY LANE FOR WORK AREA LESS THAN 602 FROM INTERSECTION, FOR A PERIOD OF MORE THAN 60 MINUTES.

TYPICAL APPLICATIONS

Utility Work
 Pavement Repairs
 Structure Adjustments

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION			
MULTILANE, TWO-WAY, URBAN			
DIVIDED OR UNDIVIDED			
DAY OR NIGHT OPERATIONS			
Checked By	Approved By	Checked By	Checked By
Drawn By	Checked By	Checked By	Checked By
Scale	1/4" = 1'-0"	1/4" = 1'-0"	1/4" = 1'-0"
623		623	

DATE: 2/18/05

PROJECT NO.: 578-34-01

REVISION: MAINTENANCE OF TRAFFIC

LANDSCAPE ARCHITECTURAL PLANS FOR:

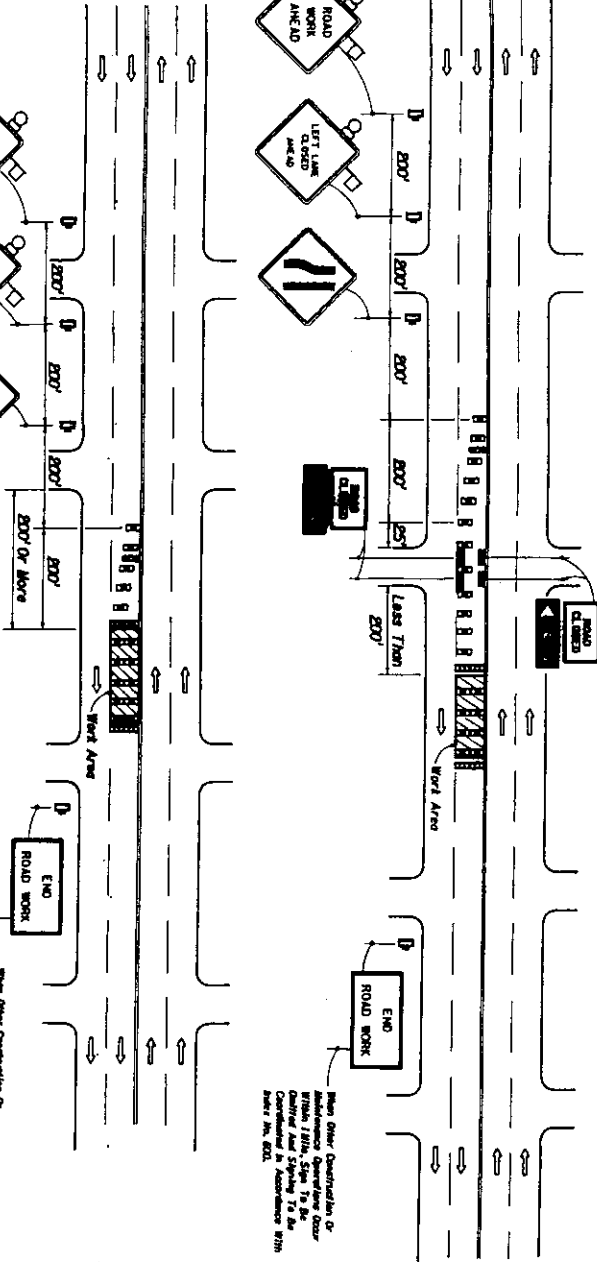
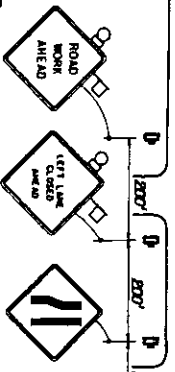
U. S. BUSINESS 41
 SR 78 to Littleton Road
 North Fort Myers
 LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION
 LEE COUNTY
 SOUTHWEST FLORIDA (239) 694-3354

DAVID M. JONES JR. AND ASSOCIATES, INC.
 LANDSCAPE ARCHITECTS AND PLANNERS
 221 McBRIDE BOULEVARD FORT MYERS, FLORIDA 33901
 (941) 337-5525 FAX (941) 337-4464

- SYMBOLS**
- ▨ Work Area
 - ◊ Sign with 8" x 8" (Min.) Orange Flag And Type B Light
 - B Type I or Type II Barricade Or Vertical Panel Or Drum (With Steady Burning Light At Night Only). (Trailer Markers May Be Used During Daylight Only. Consult the State - See Index No. 600.)
 - B Type I or Type II Barricade Or Vertical Panel Or Drum (with Flashing Light At Night Only)
 - B Type III Barricade
 - D Work Zone Sign
 - ◊ Advance Warning Arrow Panel

SYMBOLS



GENERAL NOTES (CONT.)

8. Within the lateral transition, the maximum spacing between cones and hauler markers shall be 25'. Minimum spacing between Type I or Type II barricades or vertical panels or drums shall be based on the speed limit as follows: 15 to 23 MPH, 50' for 30-40 MPH, 50' for 45 MPH or greater. Spacing for devices parallel to the travel lanes shall be 25' centers for cones or hauler markers and 50' centers for Type I or Type II barricades or vertical panels or drums for 250'. Thereafter cones or hauler markers of 50' centers and Type I or Type II barricades or vertical panels or drums of 600' centers.
9. Arrows denote direction of traffic only and do not reflect pavement markings.
10. Longitudinal dimensions are to be adjusted to fit field conditions. See Index No. 600.
11. For general TCZ requirements and additional information refer to Index No. 600.

CONDITIONS

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENOUGH ON THE PAVEMENT REQUIRING THE CLOSURE OF THE INSIDE TRAVEL LANE AND/OR ADDING AN AUXILIARY LANE FOR WORK AREA LESS THAN 300 FEET INTERSECTION, FOR A PERIOD OF MORE THAN 60 MINUTES.

TYPICAL APPLICATIONS

- Utility Work
- Pavement Repairs
- Structure Adjustments

STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION	
DIVISION OF HIGHWAYS	
MULTILANE, TWO-WAY, URBAN	
DIVIDED OR UNDIVIDED	
DAY OR NIGHT OPERATIONS	
Drawn by	Checked by
Designed by	Reviewed by
Approved by	623
2/18/05	

LANDSCAPE ARCHITECTURAL PLANS FOR

U. S. BUSINESS 41

SR 78 to Littleton Road

North Fort Myers

LEE COUNTY, FLORIDA

DEPARTMENT OF TRANSPORTATION

LEE COUNTY

SOUTHWEST FLORIDA (889) 694-3534

DAVID M. JONES JR. AND ASSOCIATES, INC.

LANDSCAPE ARCHITECTS AND PLANNERS

2221 McNEER BOULEVARD FORT MYERS, FLORIDA 33901

(941) 337-5525 FAX (941) 337-4494