



FLORIDA'S CAPITAL COUNTY

## LEON COUNTY

# KILLEARN ACRES SUBDIVISION MIDDLE BASIN DRAINAGE IMPROVEMENTS

### Board of County Commissioners

William C. Proctor, Jr. District 1	Jane G. Sauls District 2	John Dailey District 3
Bryan Desloge District 4	Kristin Dozier District 5	Nick Maddox At-Large
		Akin Akinyemi At-Large

THESE PLANS HAVE BEEN PREPARED IN ACCORDANCE WITH AND ARE GOVERNED BY THE STATE OF FLORIDA DEPARTMENT OF TRANSPORTATION DESIGN STANDARDS, LATEST EDITION.

GOVERNING SPECIFICATIONS: STATE OF FLORIDA, DEPARTMENT OF TRANSPORTATION, STANDARD SPECIFICATIONS, LATEST EDITION AND SUPPLEMENTS THERETO IF NOTED IN THE SPECIAL TECHNICAL PROVISIONS FOR THIS PROJECT.  
ATTENTION IS DIRECTED TO THE FACT THAT THESE PLANS MAY HAVE BEEN CHANGED IN SIZE BY REPRODUCTION. THIS MUST BE CONSIDERED WHEN OBTAINING SCALED DATA.

## November 2011

Prepared For:  
ENGINEERING SERVICES DIVISION

Director of Public Works  
TONY PARK, P.E.

Project Manager  
FELTON B. ARD, P.E.

**CDM** Camp Dresser & McKee Inc.  
3522 Thomasville Road, Suite 300  
Tallahassee, FL 32309  
Phone: 850-386-9500  
FL COA No. EB-0000020

Project No. 6021 77306

ISSUED FOR BID

consulting  
engineering  
construction  
operations





LOCATION MAP

CONSTRUCTION ACTIVITY SCHEDULE						
2012						
ACTIVITY	JAN	FEB	MAR	APR	MAY	JUN
BIDDING AND AWARD						
INSTALLATION OF SEDIMENT CONTROL						
CLEARING, GRUBBING AND DEMOLITION						
BOX CULVERT AND CONCRETE DITCH INSTALLATION						
TEMPORARY GRASSING						
MAINTENANCE OF EROSION CONTROL MEASURES						
FINAL LANDSCAPING, GRASSING, AND CLEANUP						

- NOTES**
1. A PRE-CONSTRUCTION CONFERENCE IS REQUIRED WITH THE COUNTY ENVIRONMENTAL INSPECTOR PRIOR TO THE INITIATION OF CONSTRUCTION ACTIVITIES.
  2. AS-BUILT PLANS AND PE COMPLIANCE LETTER SHALL BE SUBMITTED TO LEON COUNTY GROWTH AND ENVIRONMENTAL MANAGEMENT AT LEAST TWO WEEKS PRIOR TO REQUESTING FINAL INSPECTION.
  3. FINAL CONSTRUCTION ACTIVITY SCHEDULE TO BE DEVELOPED BY CONTRACTOR AND SUBMITTED TO THE COUNTY FOR APPROVAL.

SHEET NO.	TITLE
GENERAL	COVER
G-1	LOCATION MAP, INDEX OF SHEETS AND SUMMARY OF PAY ITEMS
G-2	GENERAL NOTES, LEGEND & ABBREVIATIONS
G-3	KEY PLAN
CIVIL	
C-1	HORIZONTAL CONTROL PLAN
C-2	PLAN AND PROFILE - BASELINE A - STA. 0+00 - STA. 2+75
C-3	PLAN AND PROFILE - BASELINE A - STA. 2+75 - STA. 6+25
C-4	PLAN AND PROFILE - BASELINE A - STA. 6+25 - STA. 9+50
C-5	PLAN AND PROFILE - BASELINE B - STA. 0+00 - STA. 4+78
C-6	PLAN AND PROFILE - BASELINE C - STA. 0+00 - STA. 2+96
C-7	PLAN AND PROFILE - BASELINE D - STA. 0+00 - STA. 3+35
C-8	DRAINAGE DITCH SECTIONS - STA 1+00 - STA 4+00
C-9	DRAINAGE DITCH SECTIONS - STA 5+00 - STA 8+00
C-10	PLAN AND PROFILE - BASELINE E - STA 10+00 - STA 14+50
C-11	EROSION CONTROL PLAN
C-12	SURFACE WATER IMPACT PLAN AND LIMITS OF CONSTRUCTION
C-13	TREE PROTECTION PLAN
CIVIL DETAILS	
CD-1	CIVIL DETAILS
CD-2	CIVIL DETAILS AND SECTIONS

SUMMARY OF PAY ITEMS					
REF. NUMBER	FOOT PAY ITEM NUMBER	DESCRIPTION	UNITS	PLAN	QUANTITY TOTAL FINAL
1	101-1	Mobilization	LS	1	
2	102-1	Maintenance of Traffic	LS	1	
3	104-10-1	Baled Hay or Straw	EA	100	
4	104-11	Turdely Bander Fencing	LF	50	
5	104-13-1	Silt Fence Staked (Type III)	LF	3750	
6	120-5	Channel Excavation	CY	1500	
7	160-4	Stabilization Type B (12")	SY	100	
8	285-702	Optional Base Group II	SY	100	
9	327-70-2	Milling Existing Asphalt Pavement	SY	200	
10	334-1-13	Superpave Asphalt Concrete	TN	23	
11	355-70	Concrete Pavement (Replace Driveways)	CY	38	
12	400-2-2	Concrete Class II (Finwalls)	CY	53	
13	410-70	Precast Concrete Box Culvert (4'x5')	LF	752	
14	425-1-581	Inset Type H	EA	3	
15	425-2-571	Manholes, (All B & Sq)	EA	2	
16	425-2-571	Manholes, (All B, 10'x7')	EA	1	
17	425-11	Inset - Adjust (Type D)	EA	1	
18	430-175-118	18" Reinforced Concrete Pipe	LF	24	
19	430-175-130	30" Reinforced Concrete Pipe	LF	42	
20	430-175-242	34"x55" Reinforced Concrete Pipe	LF	21	
21	524-1-49	Concrete Ditch Pavement (r. Reinforced)	SY	1450	
22	530-3-3	Riprap Rubble (Bank and Shore)	TN	92	
23	550-10-212	Fencing (4" Type B)	LF	58	
24	570-1-2	Performance Turf Sod	SY	2500	
25	571-1-13	Plastic Erosion Mat	SY	1800	
26	LC899-01	Layout Survey	LS	1	
27	LC899-02	As-Built Survey	LS	1	
28	LC899-03	Turdely Monitoring/Sampling	LS	1	
29	LC899-04	Tree Barriade	EA	22	
30	LC899-05	Tree Protection Work (Includes Certified Arborist)	LS	1	

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. WILLIAMS  
 DRAWN BY: P. ANDUZE  
 SHEET CHK'D BY: J. HOFFMAN  
 CROSS CHK'D BY: J. WITIG  
 APPROVED BY: J. WILLIAMS  
 DATE: NOVEMBER 2011

**CDM**  
 Camp Dresser & McKee  
 3522 Thomastown Road, Suite 300  
 Tallahassee, FL 32309  
 FL COA No. EB-0000020  
 consulting • engineering • construction • operations

LEON COUNTY, FLORIDA  
 KILLBARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS

LOCATION MAP, INDEX OF SHEETS  
 AND SUMMARY OF PAY ITEMS

DATE: JANE M. WILLIAMS  
 P.E. NO. 64088

PROJECT NO. 6021-77306  
 FILE NAME: G001GEN1

SHEET NO. G-1

ISSUED FOR BID



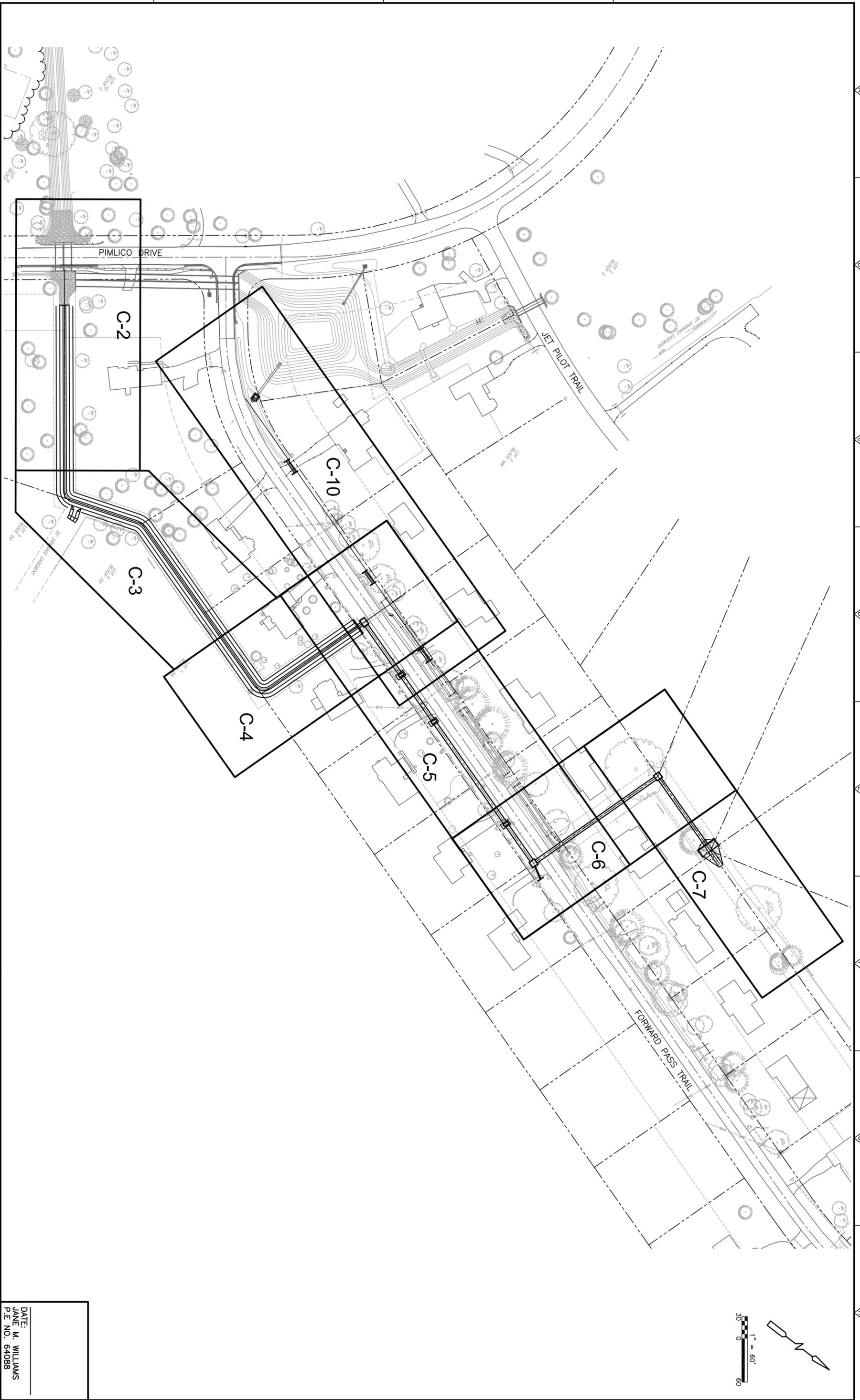
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 DATE: NOVEMBER 2011

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LEON COUNTY, FLORIDA  
**KILLEARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS**

**KEY PLAN**



DATE: JANE M. WILLIAMS  
 P.E. NO. 64088

PROJECT NO. 6021-77306  
 FILE NAME: G003G6N3

SHEET NO. G-3

ISSUED FOR BID

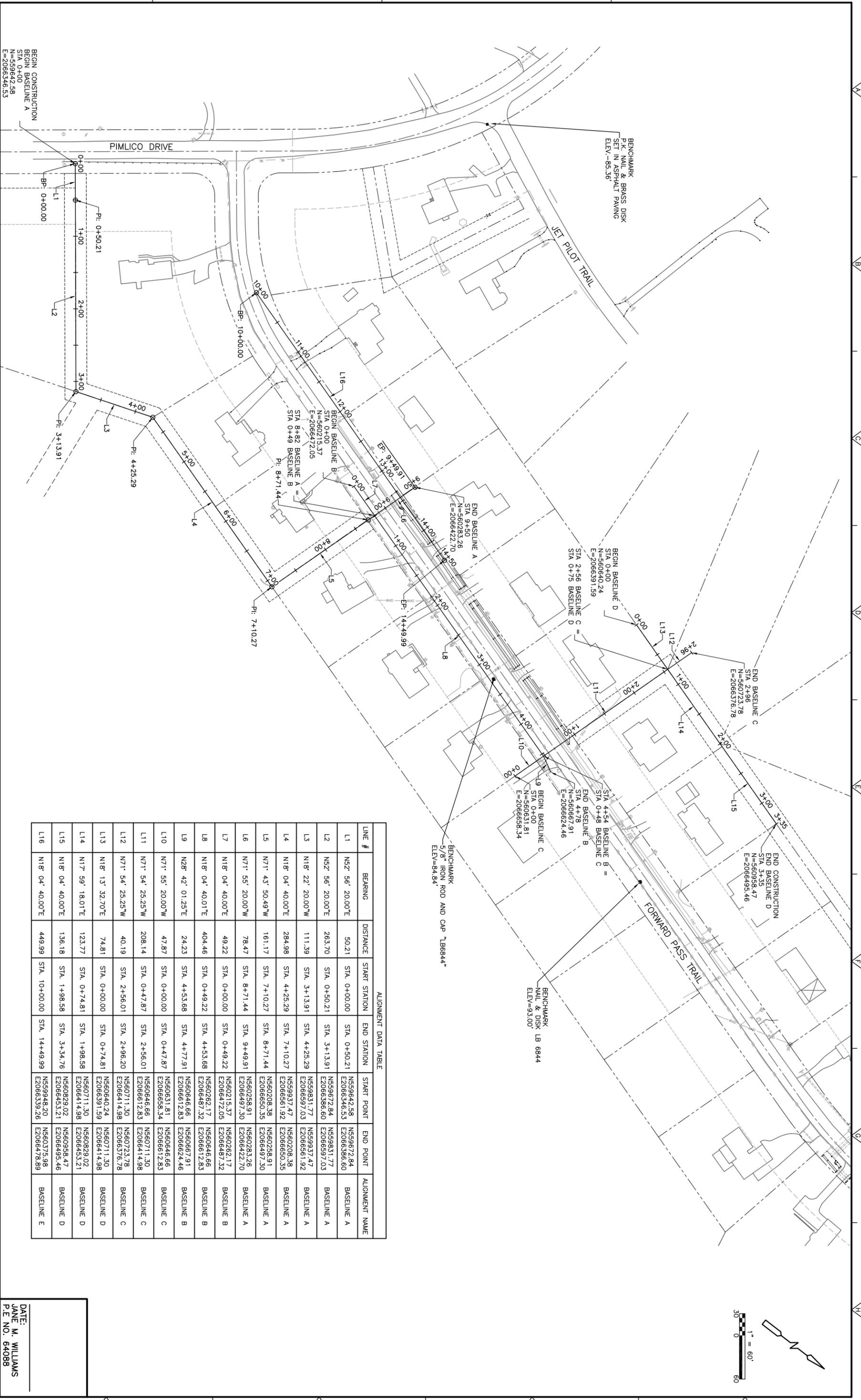
REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. WILLIAMS	DRAWN BY: P. ANDUZE
SHEET CHK'D BY: J. HOFFMAN	CROSS CHK'D BY: J. WITTE
APPROVED BY: J. WILLIAMS	DATE: NOVEMBER 2011

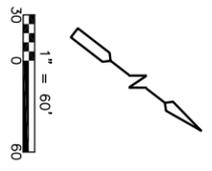
LEON COUNTY, FLORIDA  
**KILLEARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS**

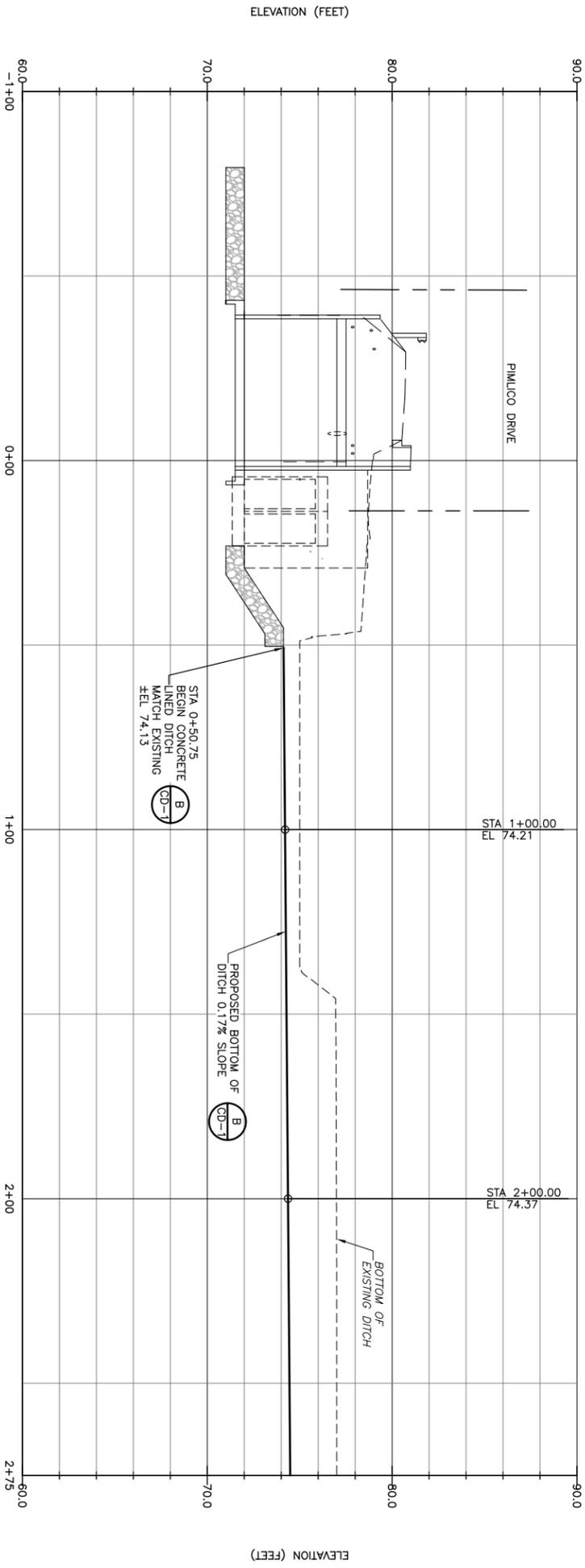
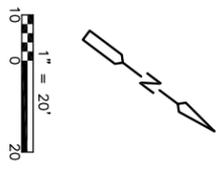
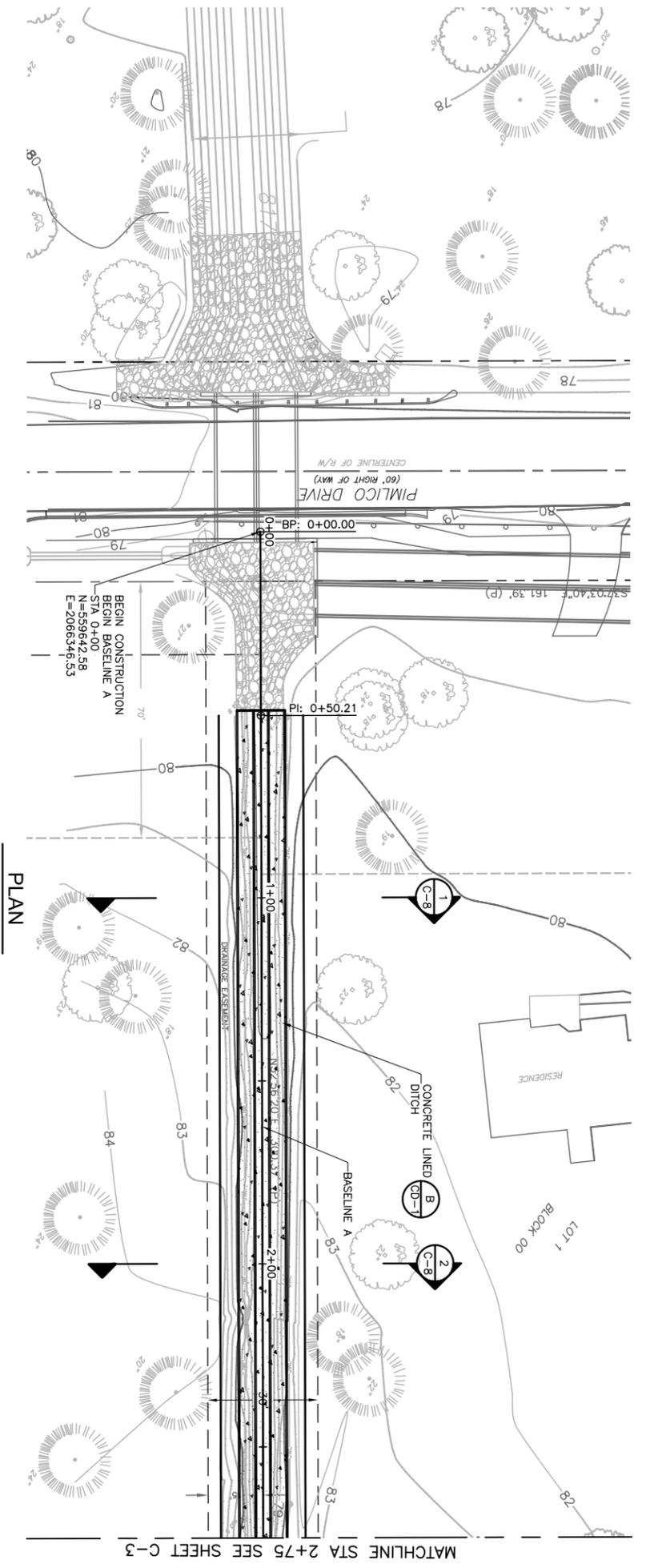
**HORIZONTAL CONTROL PLAN**

DATE: JANE M. WILLIAMS  
 P.E. NO. 64088  
 PROJECT NO. 6021-77306  
 FILE NAME: C001HZCP  
 SHEET NO. C-1  
**ISSUED FOR BID**



LINE #	BEARING	DISTANCE	START STATION	END STATION	START POINT	END POINT	ALIGNMENT NAME
L1	N52° 56' 20.00"E	50.21	STA. 0+00.00	STA. 0+50.21	N559642.58 E2066346.53	N559672.84 E2066386.60	BASELINE A
L2	N52° 56' 20.00"E	263.70	STA. 0+50.21	STA. 3+13.91	N559672.84 E2066386.60	N559831.77 E2066597.03	BASELINE A
L3	N18° 22' 20.00"W	111.39	STA. 3+13.91	STA. 4+25.29	N559831.77 E2066597.03	N559937.47 E206651.92	BASELINE A
L4	N18° 04' 40.00"E	284.98	STA. 4+25.29	STA. 7+10.27	N559937.47 E206651.92	N560208.38 E206650.35	BASELINE A
L5	N71° 43' 50.49"W	161.17	STA. 7+10.27	STA. 8+71.44	N560208.38 E206650.35	N560258.91 E2066497.30	BASELINE A
L6	N71° 55' 20.00"W	78.47	STA. 8+71.44	STA. 9+49.91	N560258.91 E2066497.30	N560283.26 E2066422.70	BASELINE A
L7	N18° 04' 40.00"E	49.22	STA. 0+00.00	STA. 0+49.22	N560215.37 E2066472.05	N560262.17 E2066487.32	BASELINE B
L8	N18° 04' 40.01"E	404.46	STA. 0+49.22	STA. 4+53.68	N560262.17 E2066487.32	N560646.66 E206612.83	BASELINE B
L9	N28° 42' 01.25"E	24.23	STA. 4+53.68	STA. 4+77.91	N560646.66 E206612.83	N560667.91 E2066624.46	BASELINE B
L10	N71° 55' 20.00"W	47.87	STA. 0+00.00	STA. 0+47.87	N560631.81 E2066658.34	N560646.66 E206612.83	BASELINE C
L11	N71° 54' 25.25"W	208.14	STA. 0+47.87	STA. 2+56.01	N560646.66 E206612.83	N560711.30 E206614.98	BASELINE C
L12	N71° 54' 25.25"W	40.19	STA. 2+56.01	STA. 2+96.20	N560711.30 E206614.98	N560723.78 E2066376.78	BASELINE C
L13	N18° 13' 32.70"E	74.81	STA. 0+00.00	STA. 0+74.81	N560640.24 E2066391.59	N560711.30 E2066414.98	BASELINE D
L14	N17° 59' 18.01"E	123.77	STA. 0+74.81	STA. 1+98.58	N560711.30 E2066414.98	N560829.02 E2066453.21	BASELINE D
L15	N18° 04' 40.00"E	136.18	STA. 1+98.58	STA. 3+34.76	N560829.02 E2066453.21	N560958.47 E2066495.46	BASELINE D
L16	N18° 04' 40.00"E	449.99	STA. 10+00.00	STA. 14+49.99	N559948.20 E2066339.26	N560375.98 E2066478.89	BASELINE E





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 APPROVED BY: J. WILLIAMS  
 DATE: NOVEMBER 2011

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LEON COUNTY, FLORIDA  
**KILLEARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS**

PLAN AND PROFILE  
 BASELINE A  
 STA. 0+00 - STA. 2+75

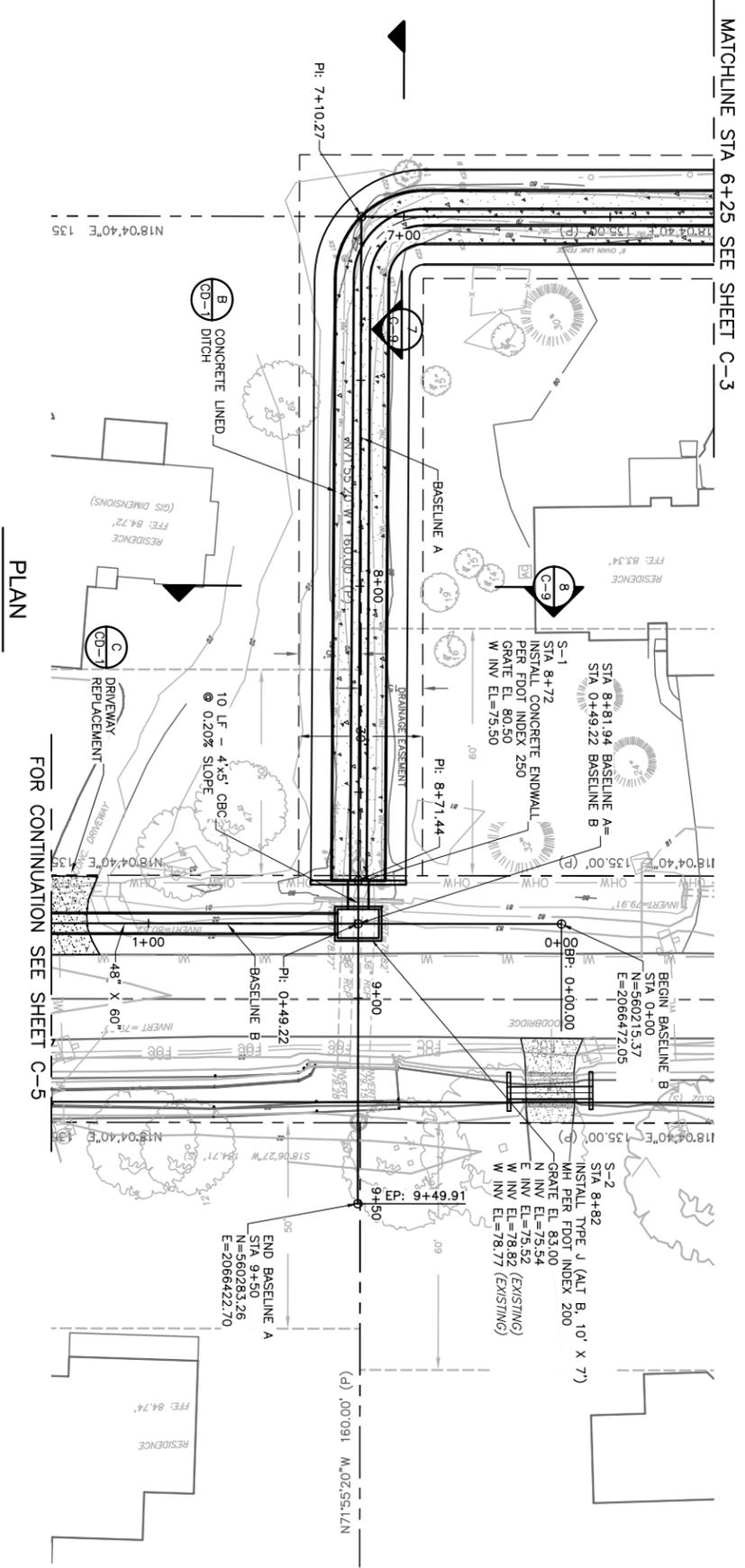
**PROFILE**  
 HORIZ. 1" = 20'  
 VERT. 1" = 4'

DATE: JANE M. WILLIAMS  
 P.E. NO. 64088

PROJECT NO. 6021-77306  
 FILE NAME: C0025TPP  
 SHEET NO. C-2

ISSUED FOR BID





REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. WILLIAMS  
 DRAWN BY: P. ANDUZE  
 SHEET CHK'D BY: J. HOFFMAN  
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 DATE: NOVEMBER 2011

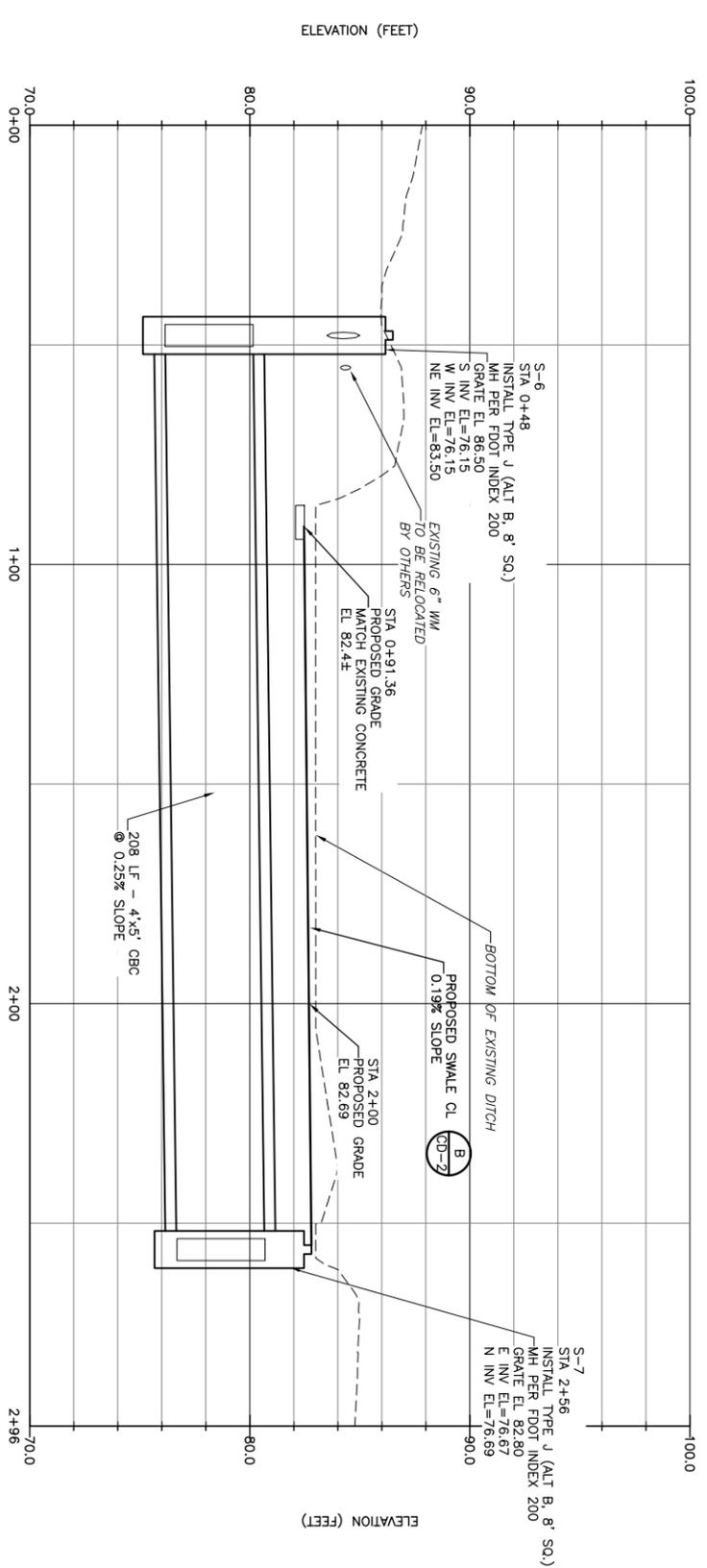
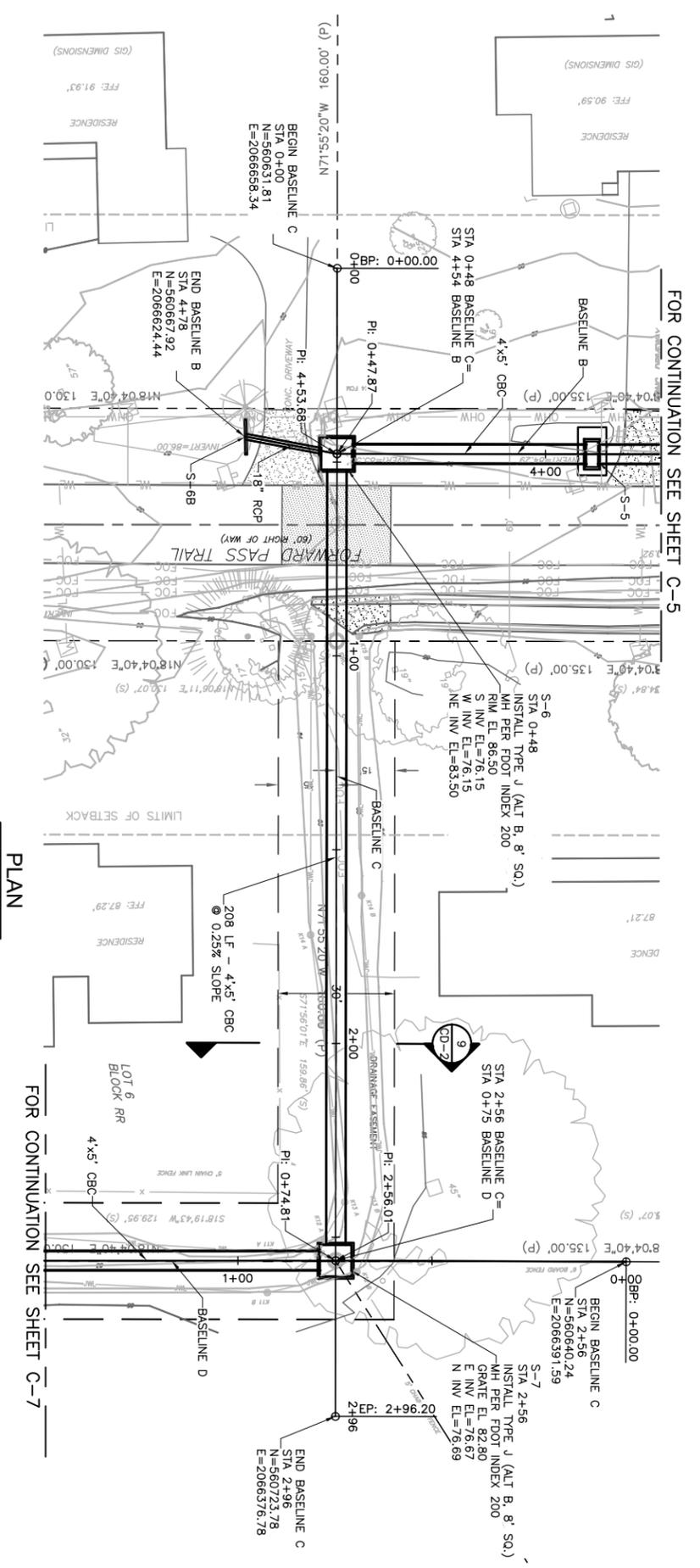
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LEON COUNTY, FLORIDA  
**KILLEARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS**

**PLAN AND PROFILE  
 BASELINE A  
 STA. 6+25 - STA. 9+50**

DATE: JANE M. WILLIAMS  
 PROJECT NO. 6021-77306  
 P.E. NO. 64088  
 FILE NAME: C0045TPP  
 SHEET NO. C-4  
**ISSUED FOR BID**





REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. WILLIAMS  
 DRAWN BY: P. ANDUZE  
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 CROSS CHK'D BY: J. WITIG  
 APPROVED BY: J. WILLIAMS  
 DATE: NOVEMBER 2011

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LEON COUNTY, FLORIDA

**KILLEARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS**

**PLAN AND PROFILE  
 BASELINE C  
 STA. 0+00 - 2+96**

DATE: JANE M. WILLIAMS  
 P.E. NO. 64088

PROJECT NO. 6021-77306  
 FILE NAME: C006STP

SHEET NO. C-6

ISSUED FOR BID

REV. NO.	DATE	DRWN	CHKD	REMARKS

DESIGNED BY: J. WILLIAMS	CDM
DRAWN BY: P. ANDUZE	Camp Dresser & Mcke
SHEET CHK'D BY: J. HOFFMAN	3522 Thomastyle Road, Suite 300
CROSS CHK'D BY: J. WITTE	Tel: (850) 384-4200
APPROVED BY: J. WILLIAMS	FL COA No. EB00000020
DATE: NOVEMBER, 2011	consulting • engineering • construction • operations

**PROFILE**  
 HORZ. 1" = 20'  
 VERT. 1" = 4'

LEON COUNTY, FLORIDA

**KILLEARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS**

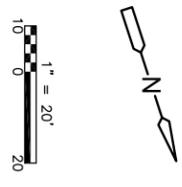
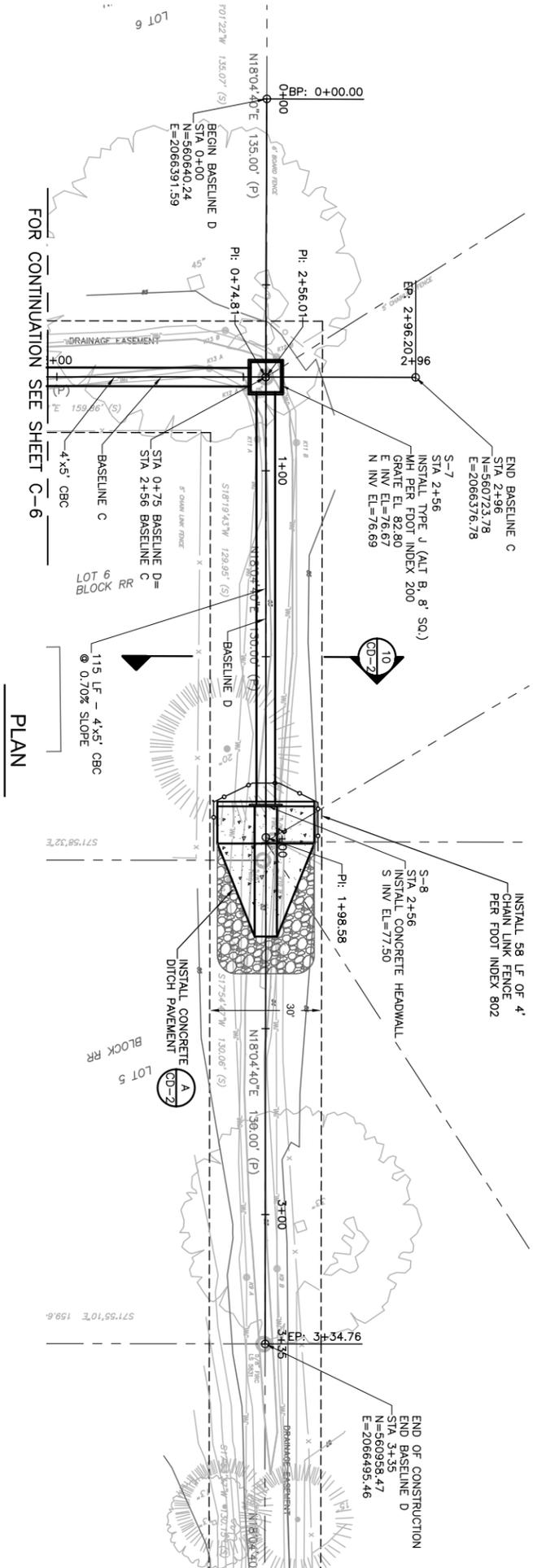
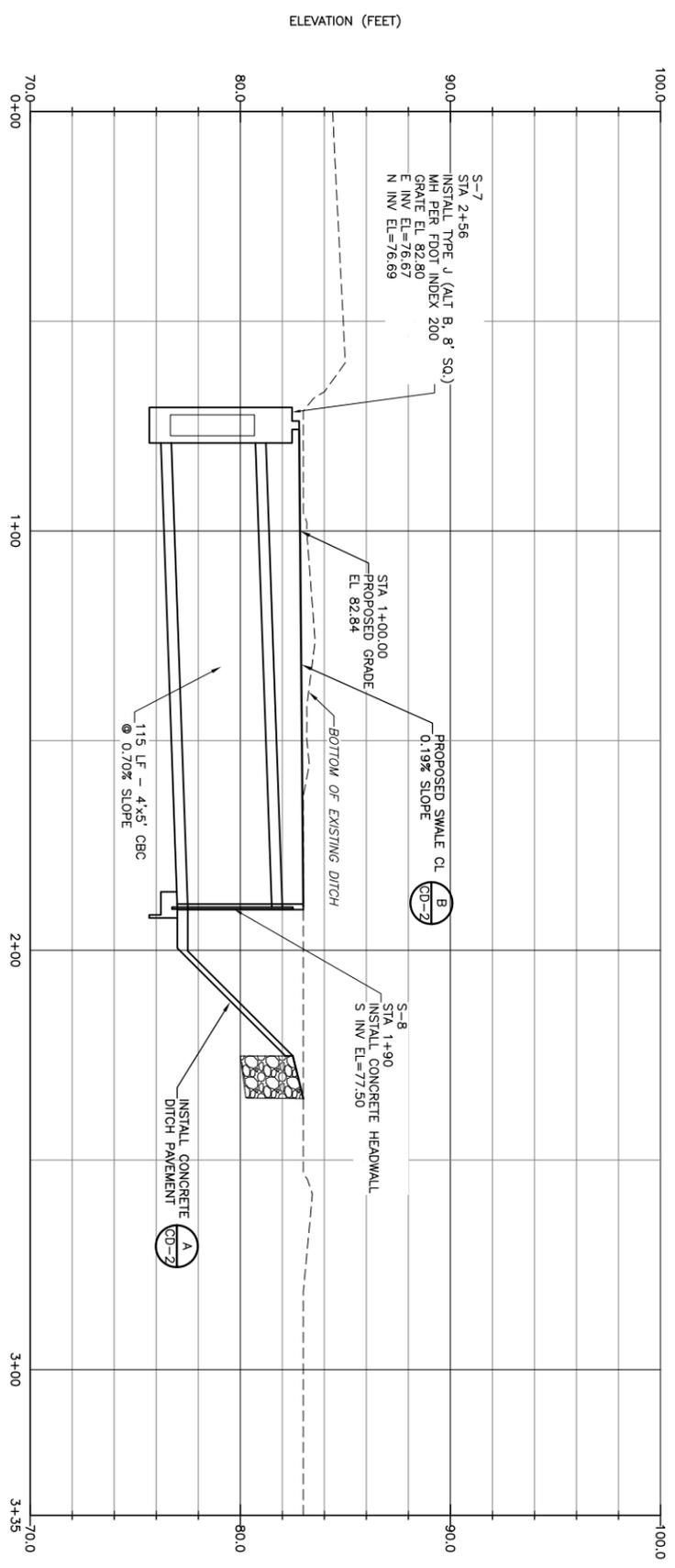
**PLAN AND PROFILE  
 BASELINE D  
 STA. 0+00 - STA. 3+35**

DATE: JANE M. WILLIAMS  
 P.E. NO. 64088

PROJECT NO. 6021-77306  
 FILE NAME: C007STPP

SHEET NO. C-7

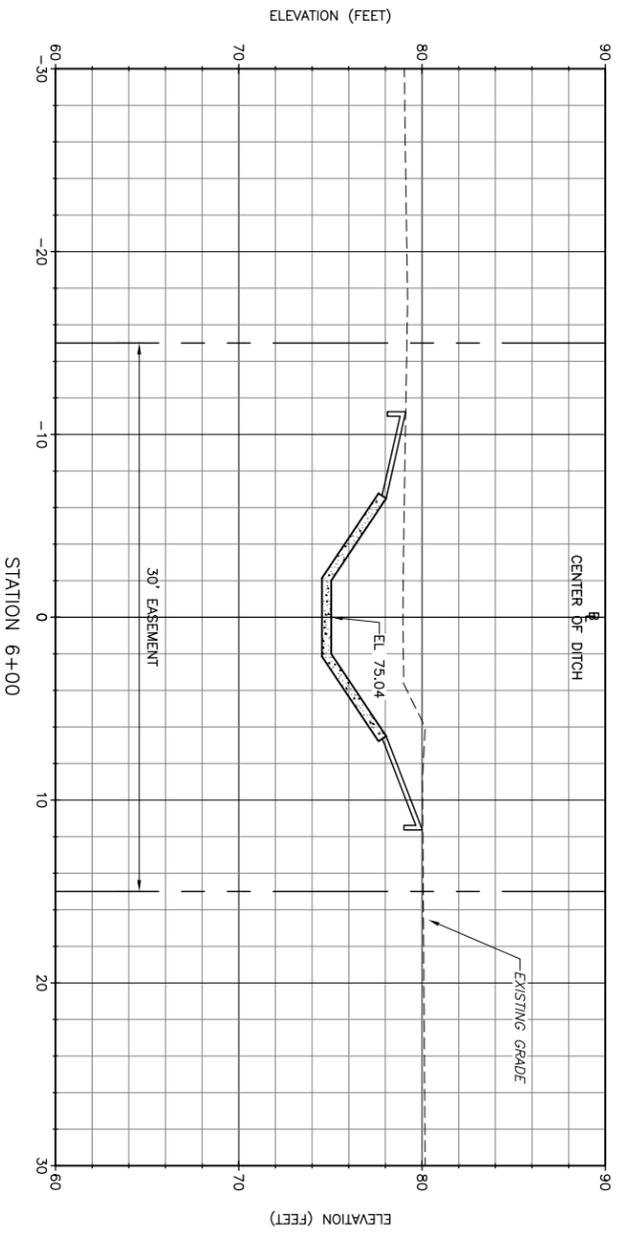
ISSUED FOR BID



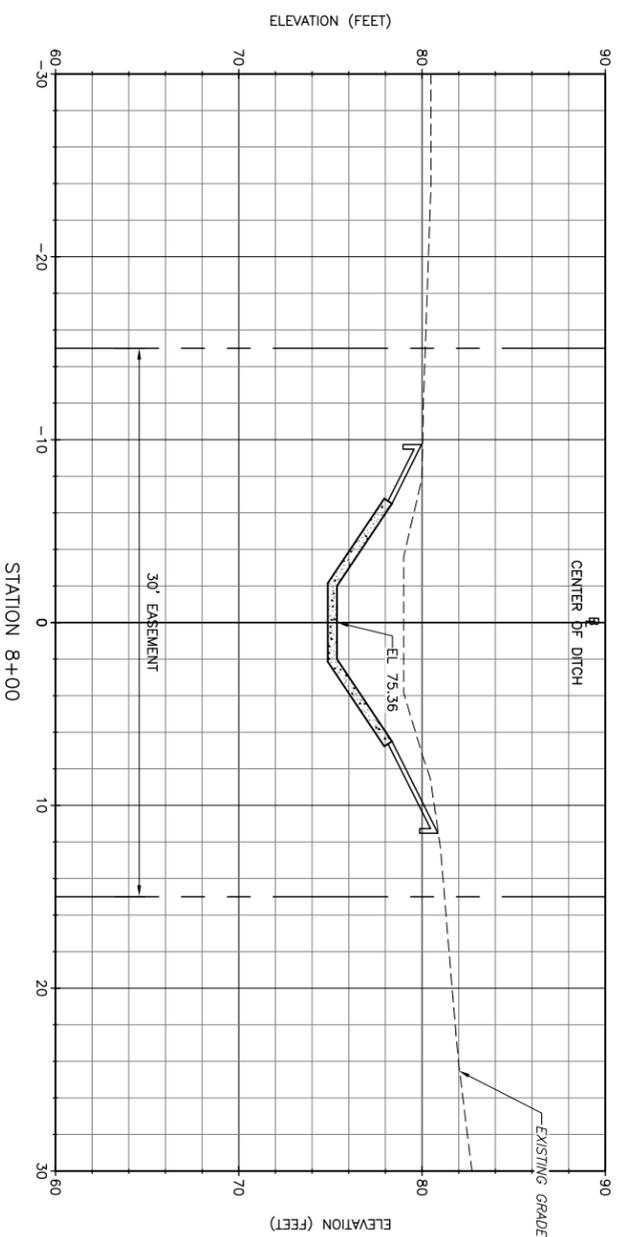
FOR CONTINUATION SEE SHEET C-6

PLAN

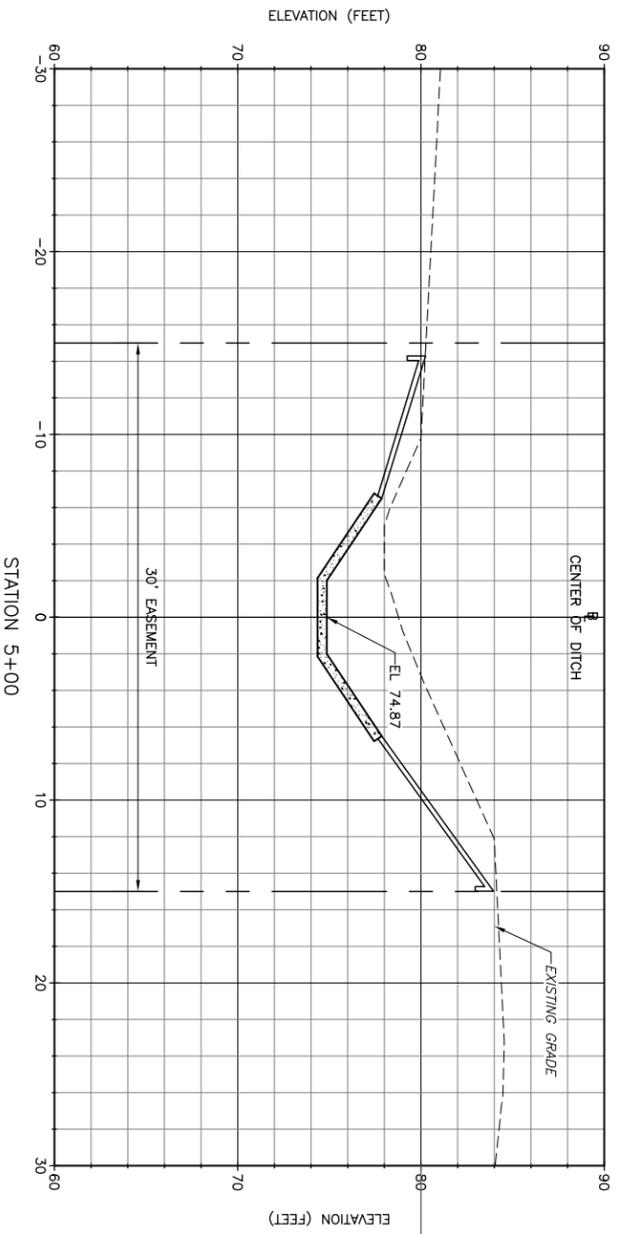




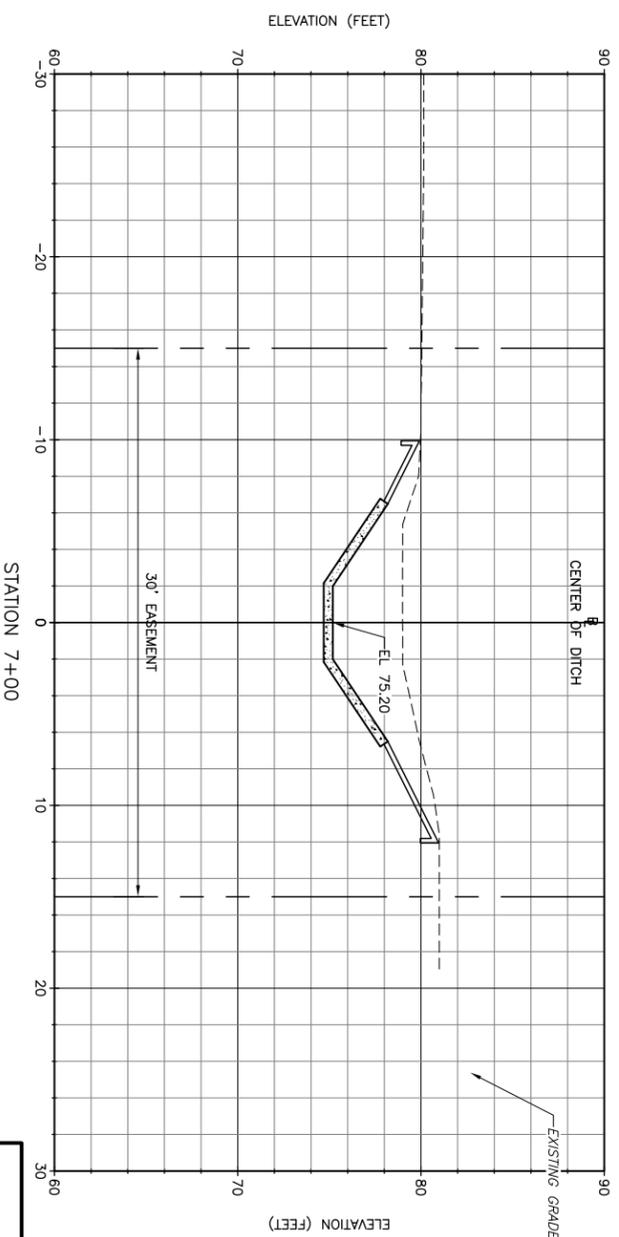
**SECTION 6**  
 C-3  
 HORZ. 1" = 5'  
 VERT. 1" = 5'



**SECTION 8**  
 C-4  
 HORZ. 1" = 5'  
 VERT. 1" = 5'



**SECTION 5**  
 C-3  
 HORZ. 1" = 5'  
 VERT. 1" = 5'



**SECTION 7**  
 C-4  
 HORZ. 1" = 5'  
 VERT. 1" = 10'

NOTE:  
 SEE DETAIL B SHEET CD-1 FOR  
 DITCH CROSS SECTION DETAILS

DESIGNED BY:	J. WILLIAMS
DRAWN BY:	P. ANDUZE
SHEET CHK'D BY:	J. HOFFMAN
CROSS CHK'D BY:	J. WITTE
APPROVED BY:	J. WILLIAMS
DATE:	NOVEMBER, 2011

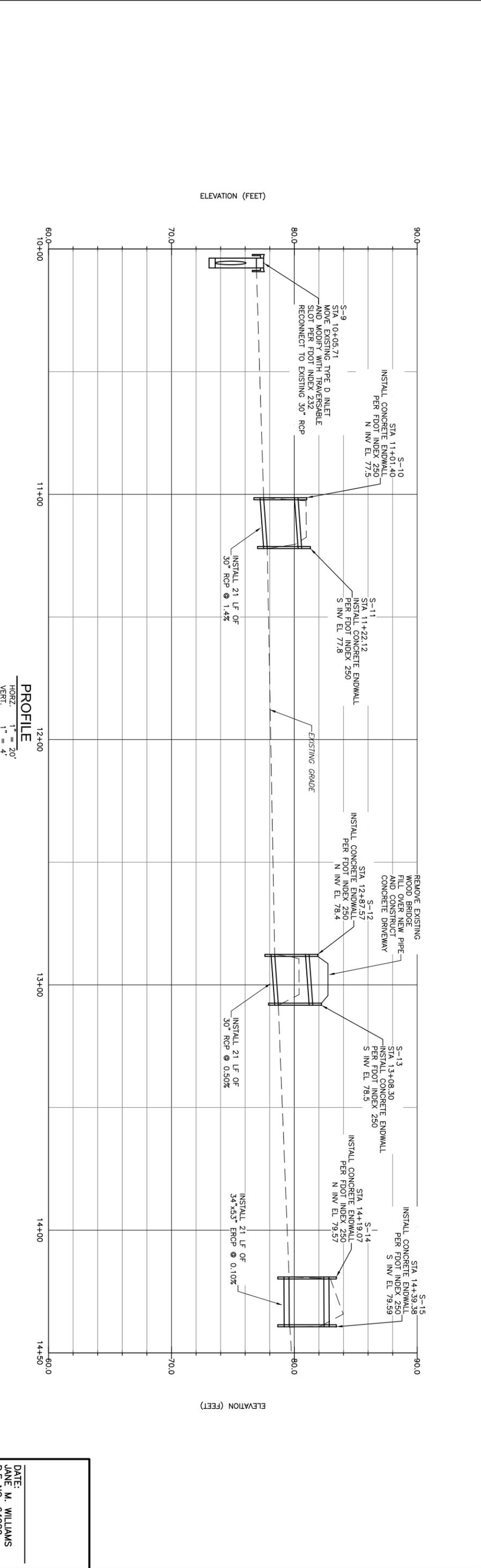
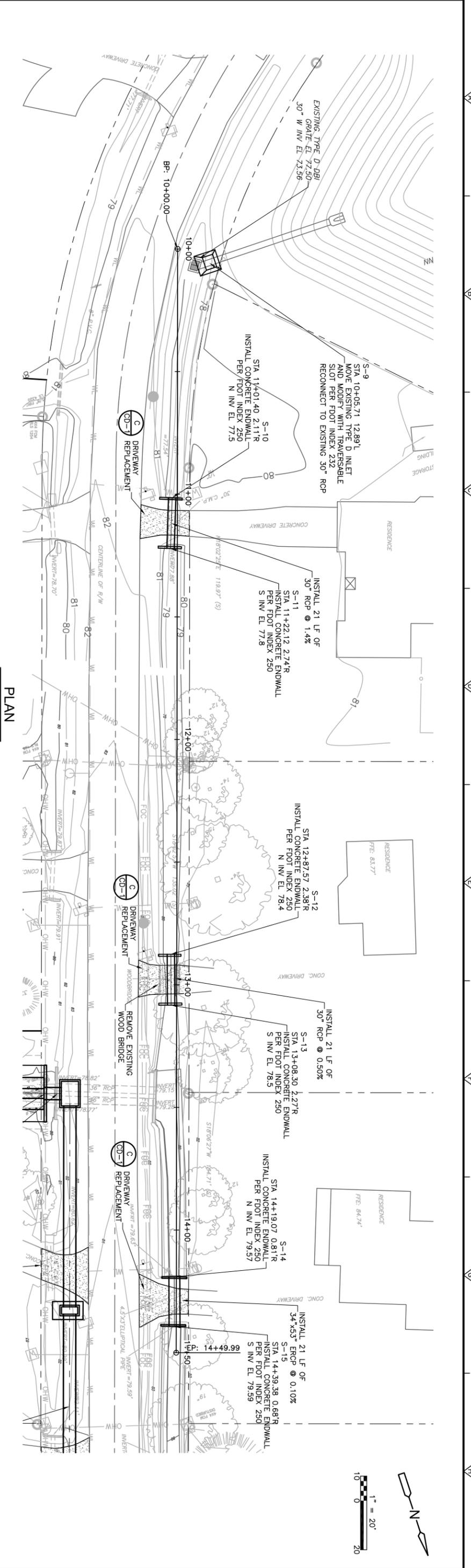
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**DRAINAGE DITCH SECTIONS  
 STA. 5+00 - STA. 8+00**

DATE:	JANE M. WILLIAMS
P.E. NO.:	64088
PROJECT NO.:	6021-77306
FILE NAME:	C009SECT
SHEET NO.:	C-9

ISSUED FOR BID



REV. NO.	DATE	DRWN	CHKD	REMARKS

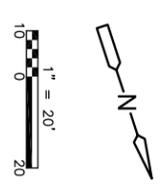
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LEON COUNTY, FLORIDA  
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PLAN AND PROFILE  
 BASELINE E  
 STA. 10+00 - STA. 14+50

**PROFILE**  
 HORIZ. 1" = 20'  
 VERT. 1" = 4'



DATE: JANE M. WILLIAMS  
 P.E. NO. 64088  
 PROJECT NO. 6021-77306  
 FILE NAME: C0105TPP  
 SHEET NO. C-10  
**ISSUED FOR BID**



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 Tallahassee, FL 32309  
 FL COA No. EB0000000

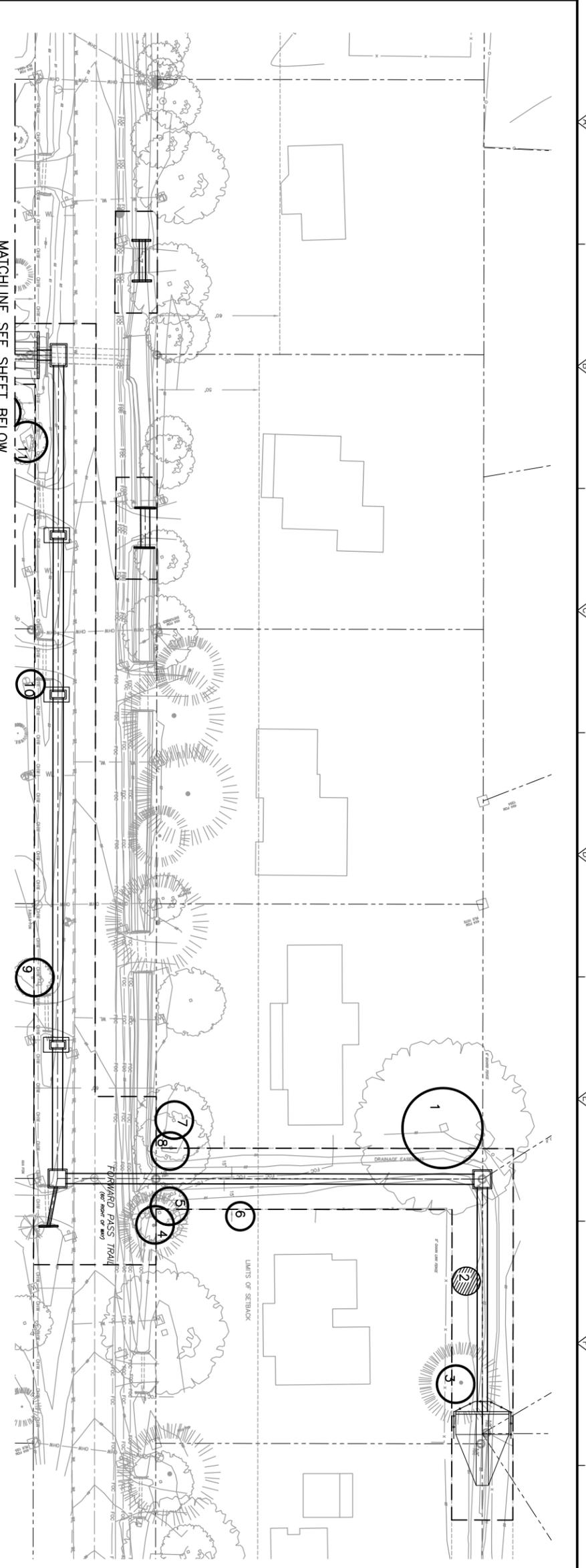
LEON COUNTY, FLORIDA  
 KILLEARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS

SURFACE WATER IMPACT PLAN  
 AND LIMITS OF CONSTRUCTION



ISSUED FOR BID

DATE: JANE M. WILLIAMS  
 P.E. NO. 64088  
 PROJECT NO. 6021-77306  
 FILE NAME: C0125WP.L  
 SHEET NO. C-12



Tree ID	Tree Species	Dia.	Recommendation
1	Live Oak	50"	DWP, RP, F, W, TP, M
2	Pine	13"	Remove, within 20ft construction zone
3	Pine	24"	DWP/RP, TP
4	Water Oak	14"	RP, TP
5	Sweet Gum	10"	RP, TP
6	Water Oak	12"	RP, TP
7	Sweet Gum	14"	RP, TP
8	Sweet Gum	20"	RP, TP
9	Live oak	38"	DWP, RP, F, W, TP, M
10	Pine	18"	RP, TP
11	Live oak	60"	DWP, RP, F, W, TP, M
12	Live oak	55"	RP, TP
13	Live oak	42"	RP, TP
14	Water Oak	30"	Remove within 20ft construction zone
15	Pine	30"	RP, TP
16	Live oak	18"	RP, TP
17	Laurer Oak	22"	RP, TP
18	Sweet Gum	20"	RP, TP
19	Water Oak	18"	RP, TP
20	Red Oak	28"	RP, TP, DWP, M
21	Red Oak	18"	RP, TP, DWP, M
22	Live oak	15"	RP, TP, DWP, M
23	Live oak	24"	RP, TP, DWP, M
24	Live oak	22"	RP, TP, DWP, M

**Abbreviation Index:**  
 DWP : DEAD WOOD PRUNE  
 RP : ROOT PRUNE  
 F : FERTILIZE  
 TP : TREE PROTECTION  
 M : MULCH

**WATERING:**  
 FOLLOWING ROOT PRUNING AND THROUGH SUBSTANTIAL COMPLETION OF THE PROJECT, ALL PROTECTED TREES SHALL BE WATERED BY MECHANICAL IRRIGATION OR MANUALLY AT THE RATE EQUIVALENT TO 1" OF RAINFALL PER WEEK. WATERING SHALL BE ADJUSTED AS REQUIRED BY WEATHER CONDITIONS OR AS DIRECTED BY THE CERTIFIED ARBORIST WHO WILL PROVIDE APPROVED RAIN GAUGES AS REQUIRED FOR VERIFICATION OF APPLICATION RATES. CARE SHALL BE TAKEN TO PREVENT WATER FROM SOAKING THE BASE OF THE TREES AND ROOT COLLARS.

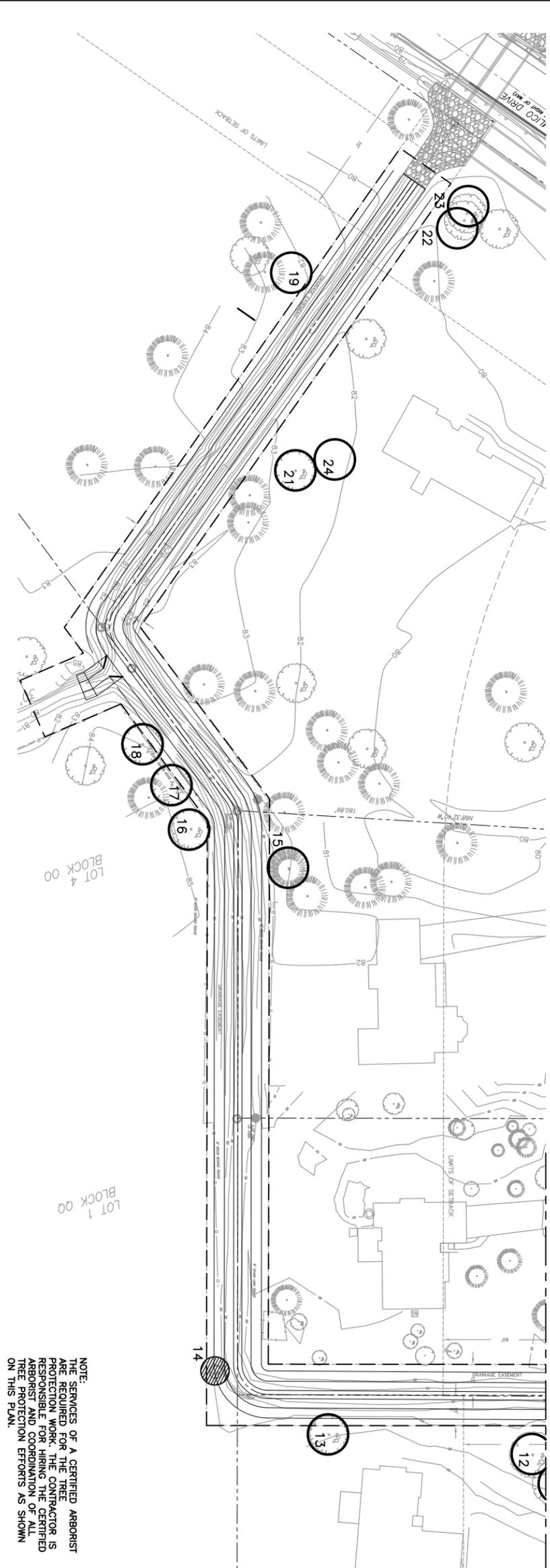
**MULCH:**  
 INSTALL 2-4" OF WOOD CHIP MULCH OR PINE STRAW THROUGHOUT EXISTING GRADE WITHIN THE CPZ. BE CAREFUL NOT TO PUT TOO MUCH MULCH AROUND THE ROOT COLLAR OF TREE.

**PRUNING:**  
 PERFORM A CLASS 2 MEDIUM DEADWOOD PRUNING AS DEFINED BY THE TREE CARE INDUSTRY ASSOCIATION FOR ALL OF THE INDICATED TREES (TECHNICAL REMOVALS). PRUNING SHALL BE PERFORMED BY A LICENSED AND BONDED TREE SURGEON IN ACCORDANCE WITH THE TREE CARE INDUSTRY ASSOCIATION'S STANDARDS FOR TREE SURGERY. ALL PRUNING SHALL BE PERFORMED USING PROPER TECHNIQUES AND AS DIRECTED ON SITE. DING, DISAGED, INTERFERING, OBSTRUCTIONABLE AND WEAK BRANCHES ON THE MAIN TRUNK AS WELL AS THOSE WITHIN THE LEAF AREA AN OCCASIONAL BRANCH UP TO ONE INCH IN DIAMETER MAY REMAIN WITHIN THE MAIN LEAF AREA WHERE IT IS NOT PRACTICAL TO REMOVE IT. REMOVE SPANISH MOSS AND VINES TO THE EXTENT POSSIBLE.

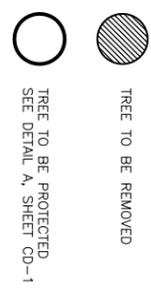
**FERTILIZATION:**  
 USE THE SOIL NITROGEN OR BROADCAST METHOD TO APPLY A 30-10-7 OR LIME KIND FERTILIZER TO THE SOIL SURROUNDING THE TREE. FERTILIZER SHOULD BE APPLIED AT THE RATE AND FREQUENCY RECOMMENDED BY THE MANUFACTURER. THE FERTILIZER SHOULD BE APPLIED TO THE PROTECTION ZONE. IS DEFINED AS THE AREA SURROUNDING A TREE WITHIN A CIRCLE DESCRIBED BY A RADIUS OF ONE FOOT PER EACH INCH OF TRUNK DIAMETER MEASURED AT NORMAL BREAST HEIGHT. FERTILIZER SHALL BE INJECTED/BROADCAST AT THE MANUFACTURER'S RECOMMENDED RATE. FERTILIZATION SHALL BE PERFORMED BY A LICENSED AND BONDED CERTIFIED ARBORIST.

**TREE PROTECTION:**  
 ALL TREES WILL BE PROTECTED WITH ORANGE SAFETY FENCE OUTSIDE THE CONSTRUCTION LIMITS AS SHOWN ON THE SITE PLAN. EACH TREE WILL ALSO NEED TO BE PROTECTED WITH BATTER BOARDS. THESE BOARDS CAN CONSIST OF 1X6 FENCE BOARDS OR 2X4S. THEY MUST BE PLACED AROUND THE TREE USING STRIPPINGS THAT IS SECURED TO EACH BOARD.

**SITE MONITORING:**  
 ALL TREE PROTECTION PROCEDURES AND ACTIVITIES SHALL BE MONITORED AND APPROVED THROUGHOUT THE CONSTRUCTION PERIOD BY THE CERTIFIED ARBORIST.



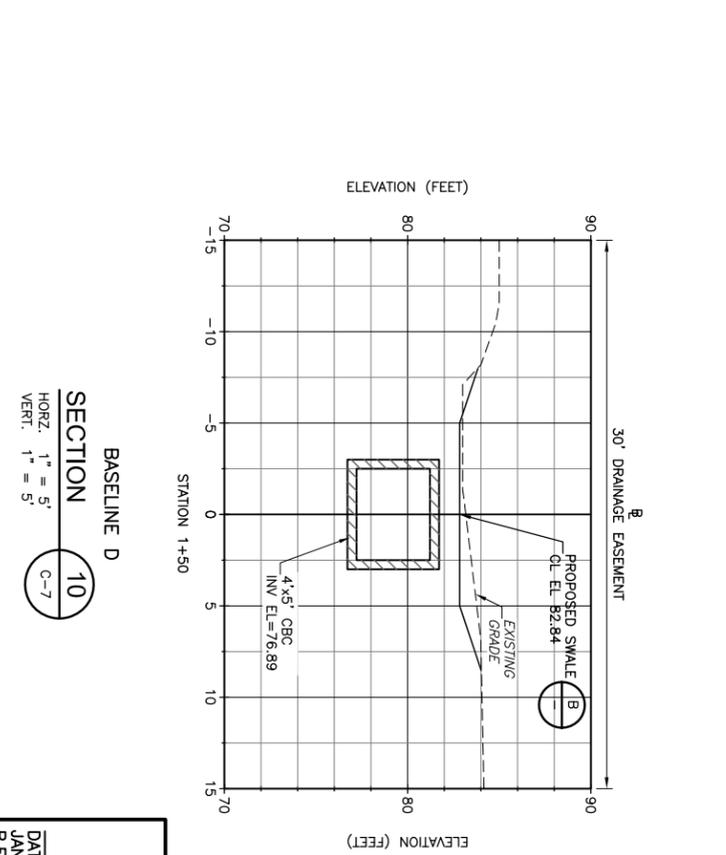
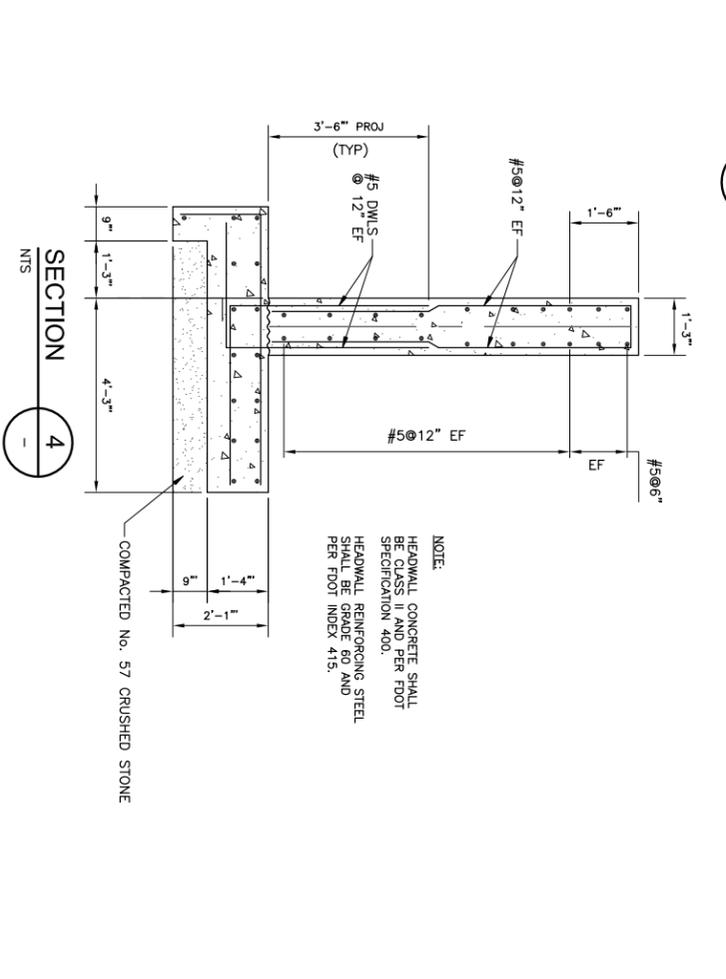
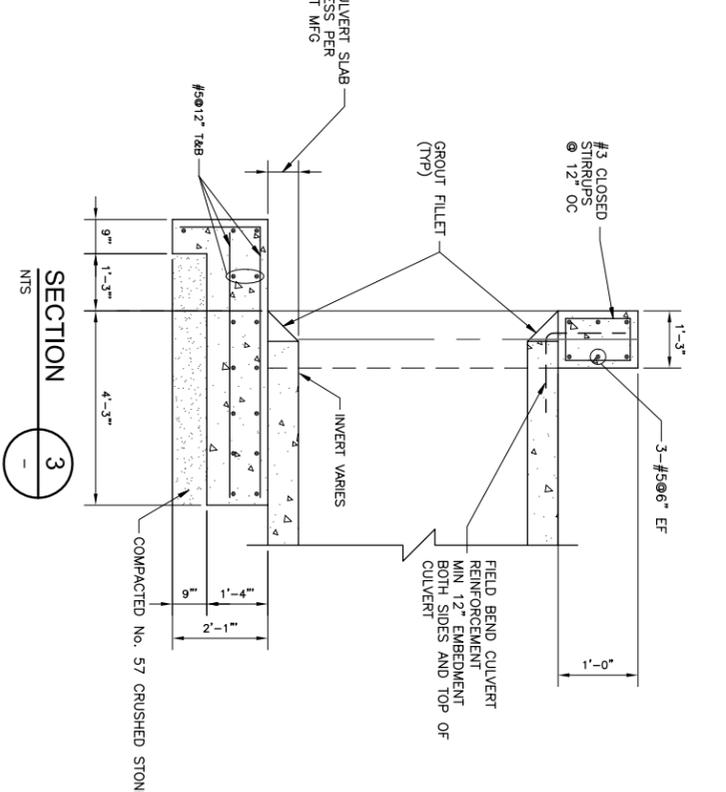
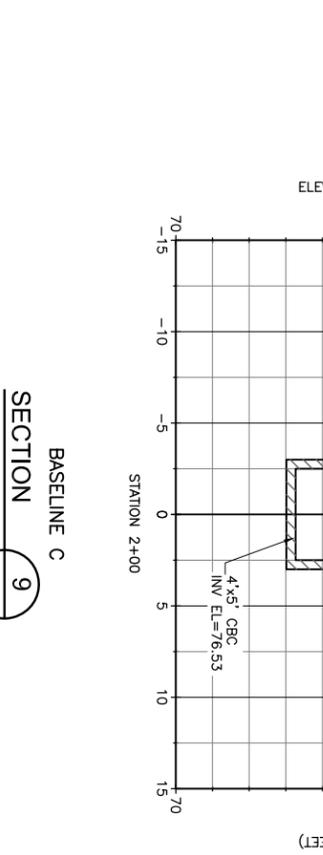
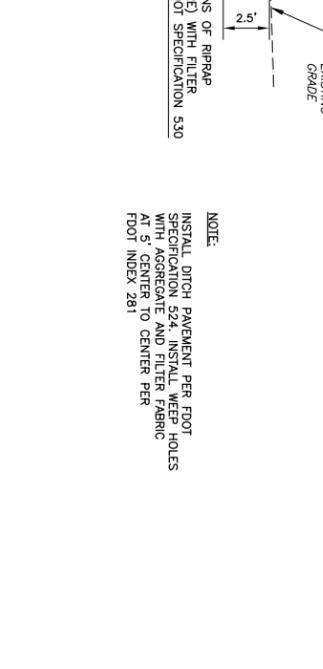
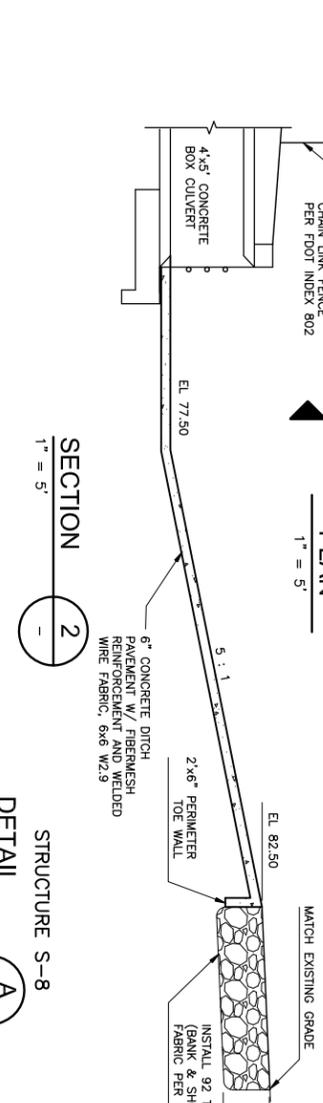
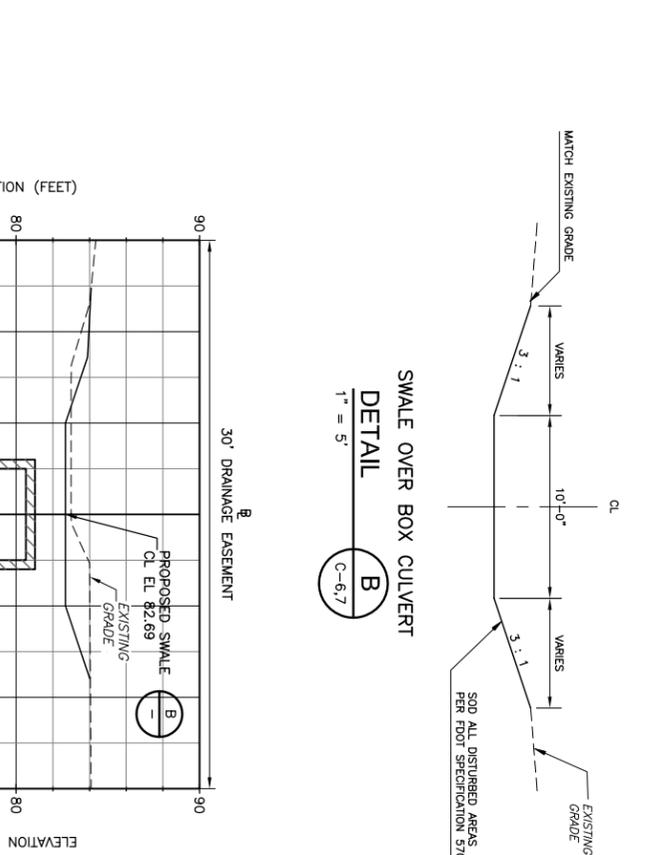
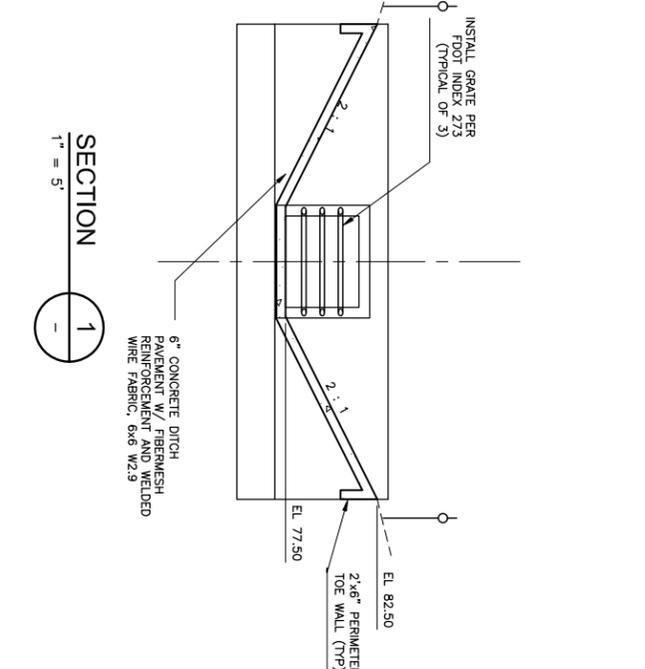
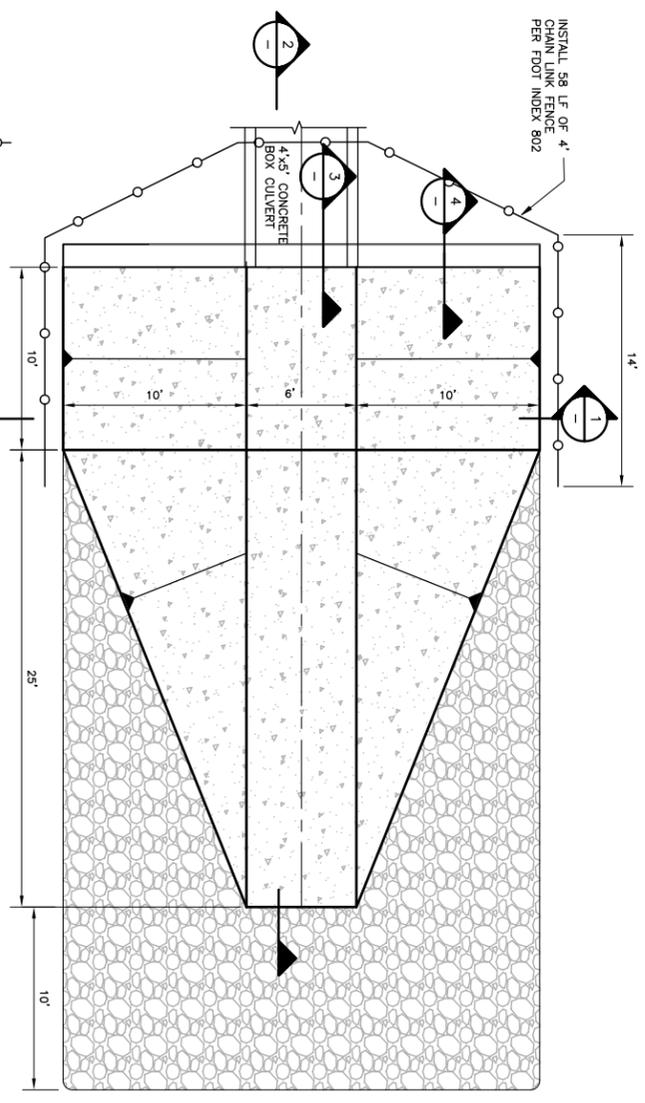
**NOTE:**  
 THE SERVICES OF A CERTIFIED ARBORIST ARE REQUIRED FOR THE TREE PROTECTION WORK. THE CONTRACTOR IS RESPONSIBLE FOR HIRING THE CERTIFIED ARBORIST AND COORDINATION OF ALL TREE PROTECTION EFFORTS AS SHOWN ON THIS PLAN.



TREE INVENTORY AND PLAN PERFORMED BY:  
 MULLER'S TREE SERVICE  
 TALLAHASSEE, FL  
 CLAY CULPEPPER  
 STATE CERTIFIED  
 ARBORIST # FL59024A

DESIGNED BY:	J. WILLIAMS	CDM	LEON COUNTY, FLORIDA	KILLEARN ACRES MIDDLE BASIN DRAINAGE IMPROVEMENTS	TREE PROTECTION PLAN	PROJECT NO. 6021-77306 FILE NAME: C013TPPL	SHEET NO. C-13	ISSUED FOR BID
DRAWN BY:	P. ANDUZE	Camp Dresser & McKee 3522 Thomasville Road, Suite 300 Tallahassee, FL 32309 Tel: (904) 384-4300 FL COA No. EB-0000020						
SHEET CHK'D BY:	J. HOFFMAN							
CROSS CHK'D BY:	J. WITTE							
APPROVED BY:	J. WILLIAMS							
DATE:	NOVEMBER 2011							





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APPROVED BY: J. WILLIAMS	DATE: NOVEMBER 2011

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LEON COUNTY, FLORIDA  
 KILLBARN ACRES MIDDLE BASIN  
 DRAINAGE IMPROVEMENTS

CIVIL DETAILS AND SECTIONS  
 DATE: JANE M. WILLIAMS  
 P.E. NO. 64088  
 PROJECT NO. 6021-77306  
 SHEET NO. CD02DETL  
 FILE NAME: CD-2  
 CD-2  
 ISSUED FOR BID