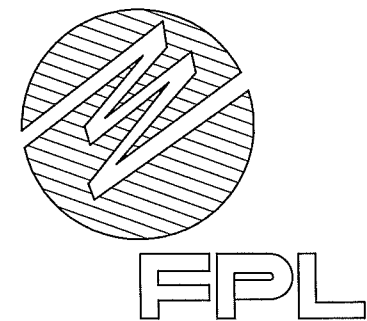


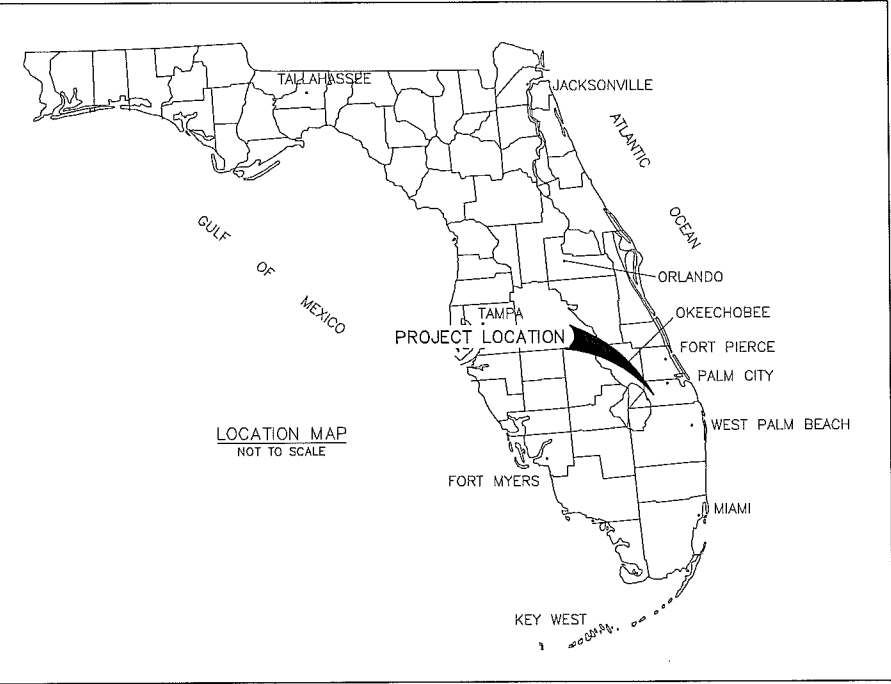
THE MARTIN SOLAR ENERGY CENTER

CONSTRUCTION PLANS & SPECIFICATIONS PREPARED FOR

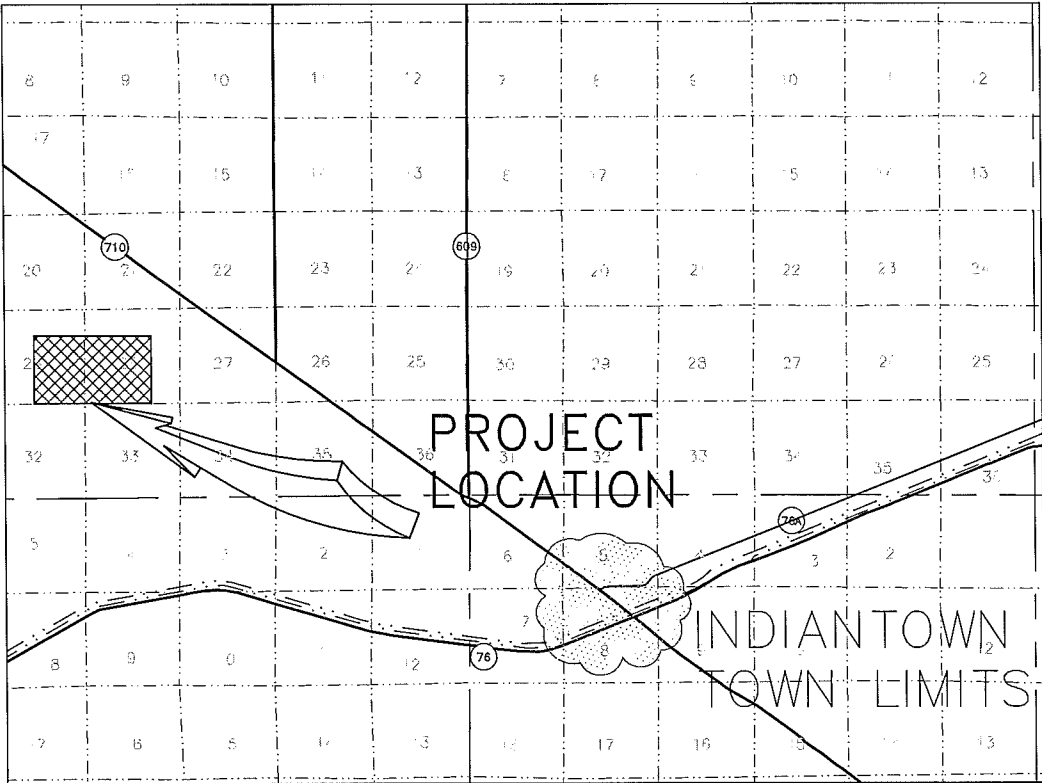


MARTIN COUNTY, FLORIDA

SECTION 28 & 29, TOWNSHIP 39S, RANGE 38E



LOCATION MAP

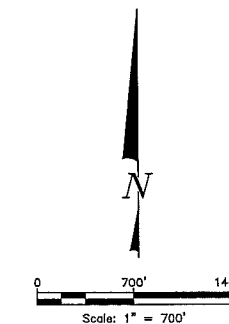
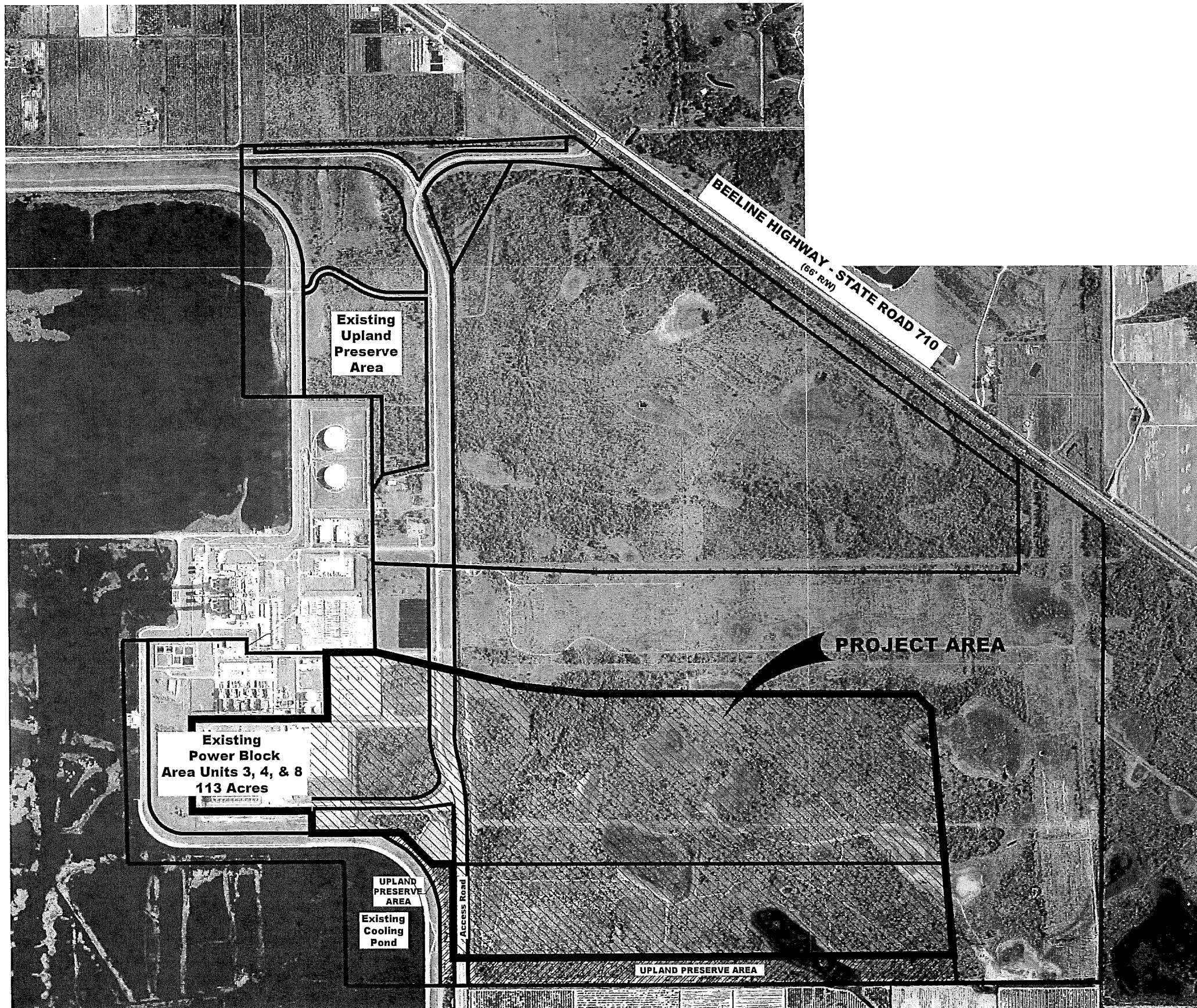


LOCATION SKETCH

SHEET INDEX

SHEET NUMBER	SHEET TITLE/DESCRIPTION
17038-C1	COVER SHEET
17038-C2	OVERALL PROJECT LAYOUT
17038-C3	PROJECT KEY & ROADWAY ALIGNEMENT SHEET
17038-C4	CLEARING AND GRUBBING & EROSION CONTROL SHEET
17038-C5	CONSTRUCTION DRAINAGE PLAN
17038-C6 TO 17038-C12	PAVING, GRADING, & DRAINAGE PLANS
17038-C13 TO 17038-C16	DETAILS
17038-C17	DEWATERING PLAN
17038-C18	SPECIFICATIONS & SUPPLEMENTARY CONDITIONS





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REV	NO	DATE	DESCRIPTION	BY	CHK	APP
2	1	02-12-09	ISSUED FOR CONTRACT ISSUED FOR PERMITTING			

DATE					
	DR	RR	ER	MM	
	CH	MM	CDR		
	APPROVED				

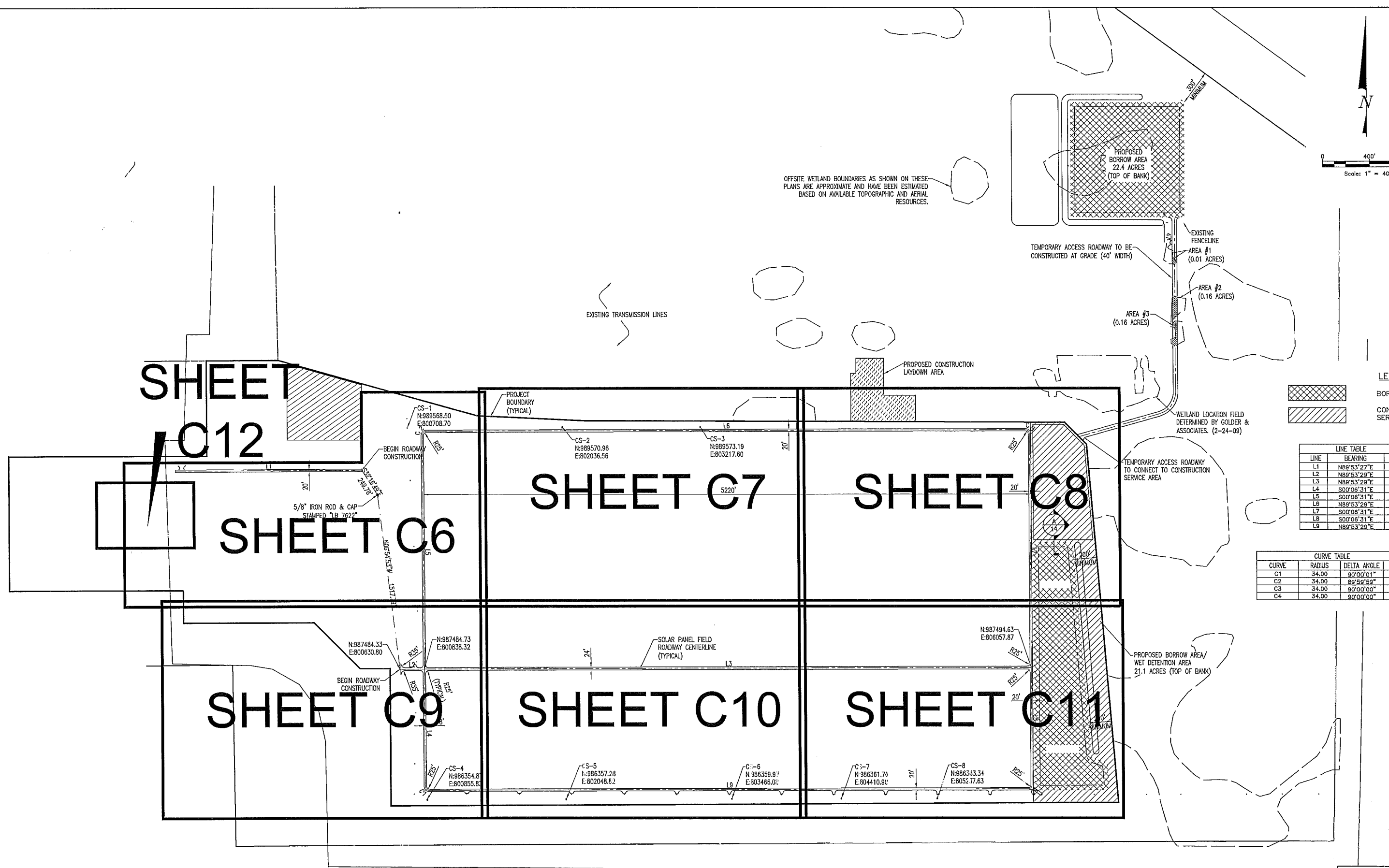
FLORIDA POWER & LIGHT
THE MARTIN SOLAR
ENERGY CENTER
OVERALL PROJECT LAYOUT

SHEET
17038-C2
OF
17038-C18

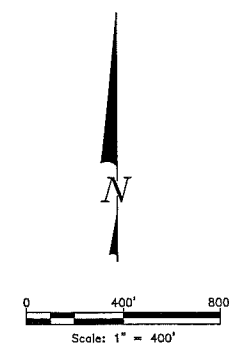
REV
NO

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OF FLORIDA, INC.

9/24/2009
MARCOS LUCHES DE OCA
No. 63887
BOYLE ENGINEERING CORP., No. 2005
421 NW 3RD STREET
OKEECHOBEE, FL 34972
ENGINEER'S SEAL



OFFSITE WETLAND BOUNDARIES AS SHOWN ON THESE PLANS ARE APPROXIMATE AND HAVE BEEN ESTIMATED BASED ON AVAILABLE TOPOGRAPHIC AND AERIAL RESOURCES.



LEGEND

	BORROW AREA
	CONSTRUCTION SERVICE AREA

LINE TABLE

LINE	BEARING	LENGTH
L1	N89°53'27"E	1599.66
L2	N89°53'29"E	207.62
L3	N89°53'29"E	5219.56
L4	S00°06'31"E	1015.10
L5	S00°06'31"E	2019.19
L6	N89°53'29"E	5151.55
L7	S00°06'31"E	2019.19
L8	S00°06'31"E	1015.10
L9	N89°53'29"E	5151.56

CURVE TABLE

CURVE	RADIUS	DELTA ANGLE	LENGTH
C1	34.00	90°00'01"	53.41
C2	34.00	89°59'59"	53.41
C3	34.00	90°00'00"	53.41
C4	34.00	90°00'00"	53.41

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OF FLORIDA, INC.

ER	NO	DATE	REVISION	BY	CH	CD	APP
4	3	2/23/09	MOVED HAUL ROAD, ADDED LAYDOWN AREA				
3	2	2/12/09	ISSUED FOR CONTRACT				
2	1	2/10/09	REVISIONS TO BORROW LOCATIONS / SILT FENCE				
1			ISSUED FOR PERMITTING				

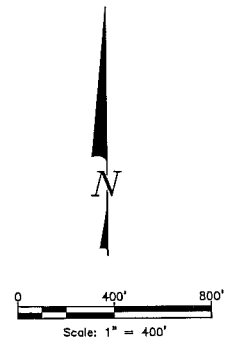
DATE

DR	RR	ER	MM
CH	MM	CD	
APPROVED			

FLORIDA POWER & LIGHT
THE MARTIN SOLAR
ENERGY CENTER
PROJECT KEY &
ROADWAY ALIGNMENT SHEET

SHEET
17038-C3
OF
17038-C18

MARCO MONTES DE OCA
No. 63897
BOYLE ENGINEERING CORP., No. 2005
421 NW 3RD STREET
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LEGEND

 AREA TO BE CLEARED AND GRUBBED

 SILT FENCE

 HAYBALE / TURBIDITY BARRIER

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OF FLORIDA, INC.

REV	NO	DATE	REVISION	BY	CHK	CDR	APP
4		2/23/09	MOVED HAUL ROAD, ADDED LAYDOWN AREA				
3		2/12/09	ISSUED FOR CONTRACT				
2		2/10/09	REVISIONS TO BORROW LOCATIONS / SILT FENCE				
1			ISSUED FOR PERMITTING				

DATE



DR	RR	ER	MM
CH	MM	CDR	
APPROVED			

FLORIDA POWER & LIGHT
THE MARTIN SOLAR
ENERGY CENTER
CLEARING AND GRUBBING
& EROSION CONTROL SHEET

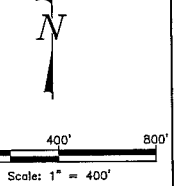
SHEET
17038-C4
OF
17038-C18

REV NO


MARCO'S MONTES DE OCA
No. 66897
BOYLE ENGINEERING CORP. No. 2005
421 NW 3RD STREET
OKEECHOBEE, FL 34972
ENGINEER'S SEAL

LEGEND
ESTIMATED WETLAND AREAS

PROPOSED BORROW
AREA: 22.4 ACRES



EXISTING TRANSMISSION AREA

CONSTRUCTION SERVICE AREA

CONSTRUCTION SERVICE AREA

CONSTRUCTION
SERVICE AREA
20.8± ACRES

SOLAR PANEL
FIELD (TYPICAL)

SOLAR PANEL
FIELD (TYPICAL)

PROPOSED BORROW
AREA: 16.7 ACRES

UPLAND PRESERVE
AREA 50± ACRES

UPLAND PRESERVE
AREA 50± ACRES

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2	1	2/23/09	MOVED HAUL ROAD, ADDED LAYDOWN AREA ISSUED FOR PERMITTING	BY	CH	COR/APP
ER	INC	DATE	REVISION			

DATE



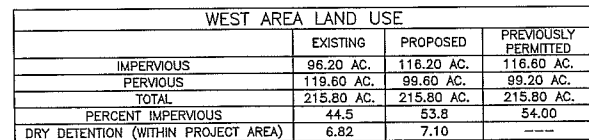
DR	RR	ER	MM
CH	MM	COR	
APPROVED			

FLORIDA POWER & LIGHT
THE MARTIN SOLAR
ENERGY CENTER
CONSTRUCTION DRAINAGE PLAN

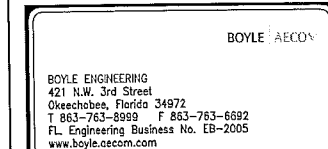
SHEET
17038-C5
OF
17038-C18

REV
NO

Marcos Montes de Oca
MARCOS MONTES DE OCA
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2 A	2/12/09	ISSUED FOR CONTRACT ISSUED FOR PERMITTING				
FR	NO	DATE	REVISION	BY	CH	CORR/APP

DATE



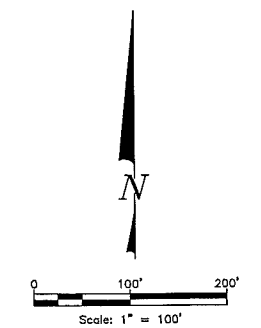
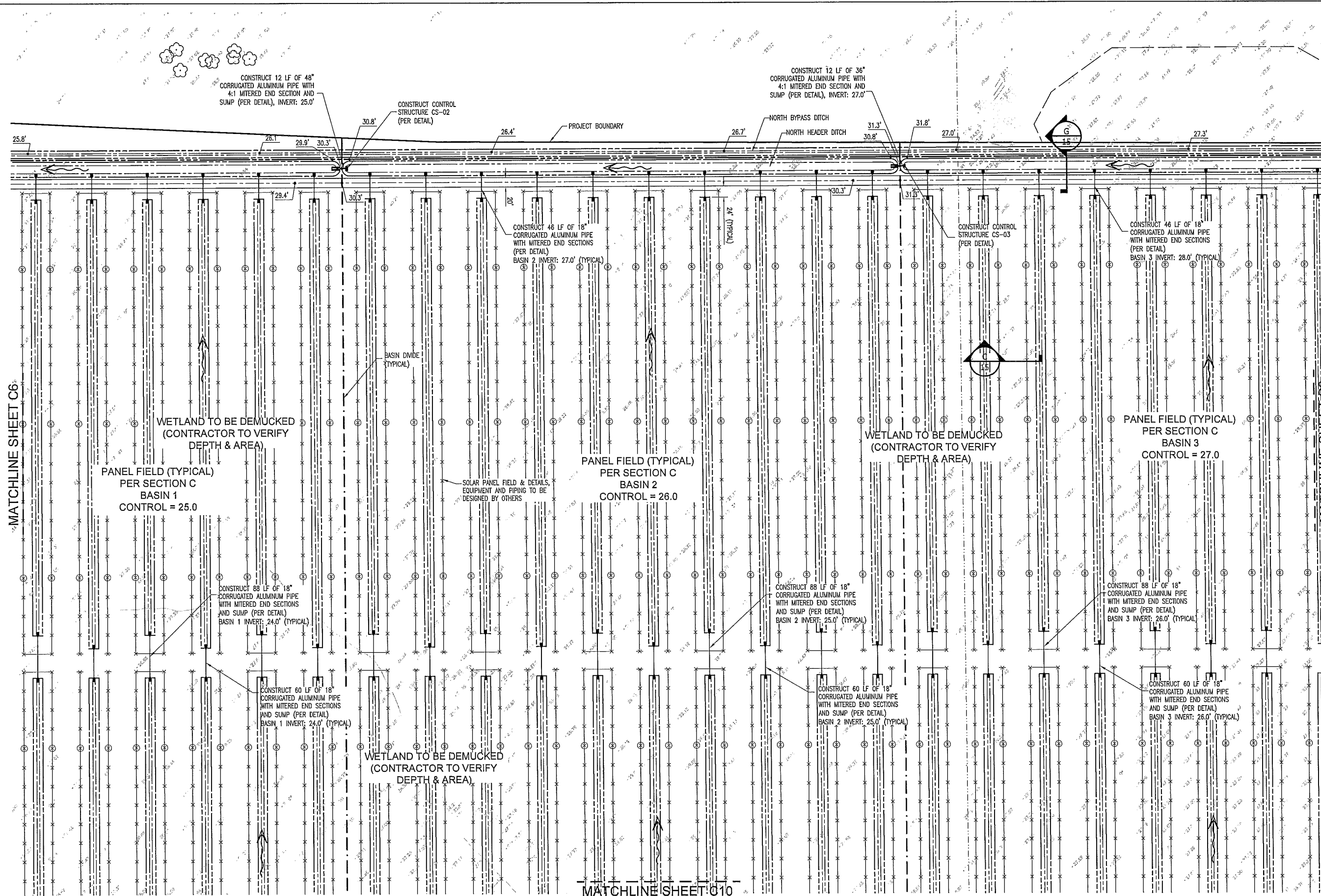
DR	RR	ER	MM
CH	MM	COR	
APPROVED			

FLORIDA POWER & LIGHT
THE MARTIN SOLAR
ENERGY CENTER
PAVING, GRADING, & DRAINAGE PLAN

SHEET
17038-C6
OF
17038-C18

REV
NO


 MARCOS MONTES DE OCA
 No. 63897
 BOYLE ENGINEERING CORP. No. 2005
 421 NW 3RD STREET
 OKEECHOBEE, FL 34972
 ENGINEER'S SEAL



LEGEND

- PROPOSED ROADWAYS
- DETENTION / DITCH AREA TO BE FILLED
- UPLAND PRESERVE AREA
- DRIVEWAY REMOVAL
- PROPOSED COLLECTOR LOOP WITH PYLONS (BY OTHERS)
- PROPOSED DRIVE PYLON (BY OTHERS)
- CENTERLINE OF PROPOSED ROADS
- PROPOSED TOE OF SLOPE
- PROPOSED TOP OF BANK
- PROPOSED GRADE
- PROPOSED FLOW ARROW
- PROPOSED BASIN DIVIDE
- EXISTING TOP-OF-BANK
- EXISTING FENCE
- EXISTING GRADE

NOTES:

- SOLAR PANEL FIELD & DETAILS, EQUIPMENT AND PIPING TO BE DESIGNED BY OTHERS
- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88)

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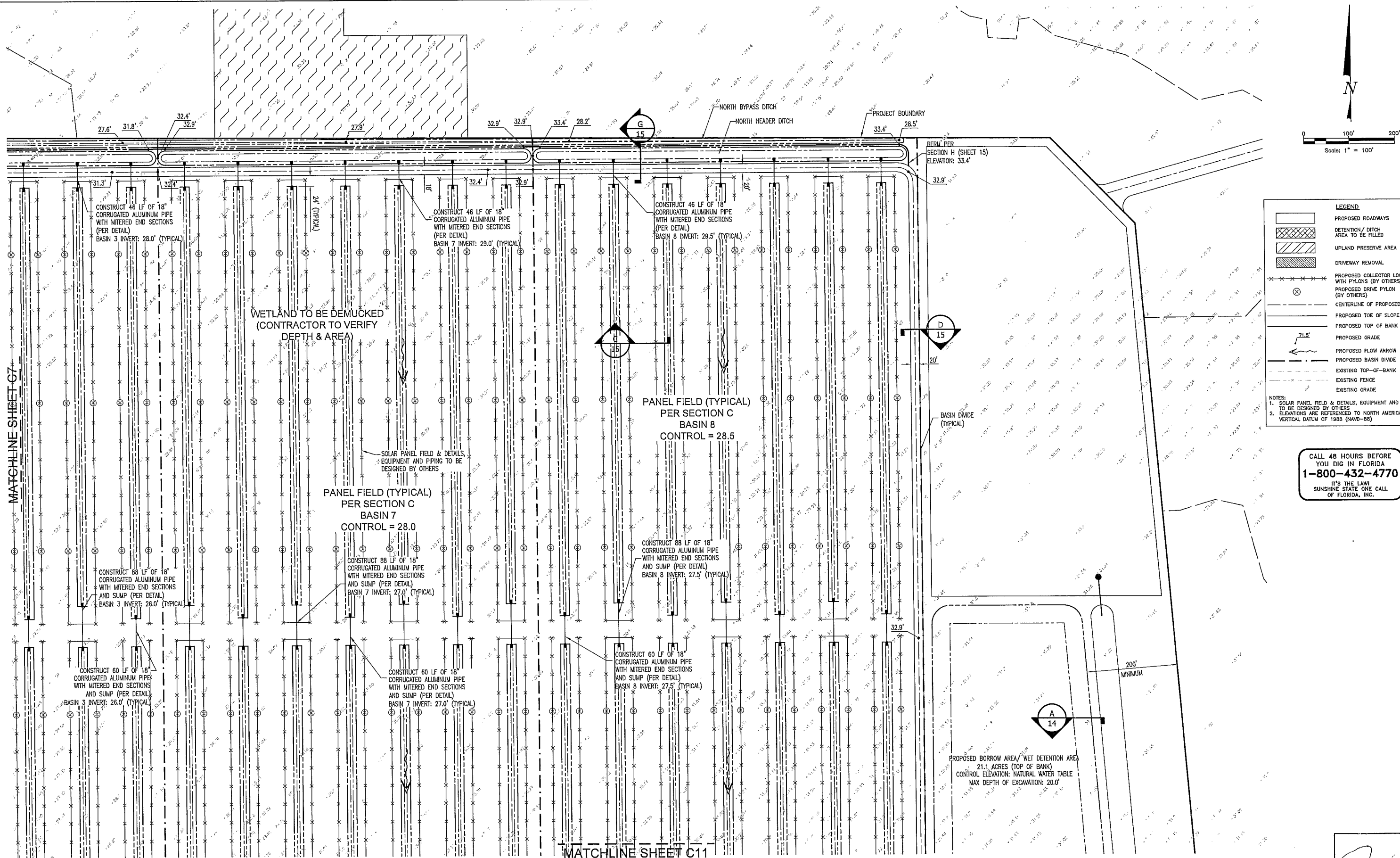
ER	NO	DATE	REVISION	BY	CH	COR/APP
2	A	2/12/09	ISSUED FOR CONTRACT ISSUED FOR PERMITTING			

DATE	DR	RR	ER	MM
	CH	MM	COR	
	APPROVED			

FLORIDA POWER & LIGHT
 THE MARTIN SOLAR
 ENERGY CENTER
 PAVING, GRADING, & DRAINAGE PLAN

SHEET
 17038-C7
 OF
 17038-C18

REV NO
 2/24/09
 MARCOS MONTES DE OCA
 No. 63697
 BOYLE ENGINEERING CORP. No. 2005
 421 NW 3RD STREET
 OKEECHOBEE, FL 34972
 ENGINEER'S SEAL



LEGEND

- PROPOSED ROADWAYS
- DETENTION DITCH AREA TO BE FILLED
- UPLAND PRESERVE AREA
- DRIVEWAY REMOVAL
- PROPOSED COLLECTOR LOOP WITH PYLONS (BY OTHERS)
- PROPOSED DRIVE PYLON (BY OTHERS)
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- EXISTING FENCE
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- ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88)

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Okeechobee, Florida 34972
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FL Engineering Business No. EB-2005
www.boyle.ecom.com

REV	NO	DATE	REVISION	BY	CH	COR	APP
5		2/24/09	PROJECT NE WETLAND UPDATED PER GOLDER				
4		2/19/09	MOVED HAIL ROAD				
3		2/12/09	ISSUED FOR CONTRACT				
2		2/10/09	GENERAL REVISIONS BORROW AREAS / SILT FENCE				
1			ISSUED FOR PERMITTING				

DATE

APPROVED

DR RR ER MM

CH MM COR

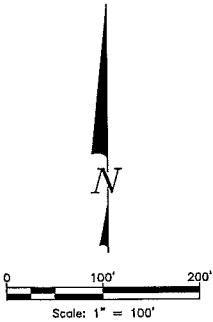
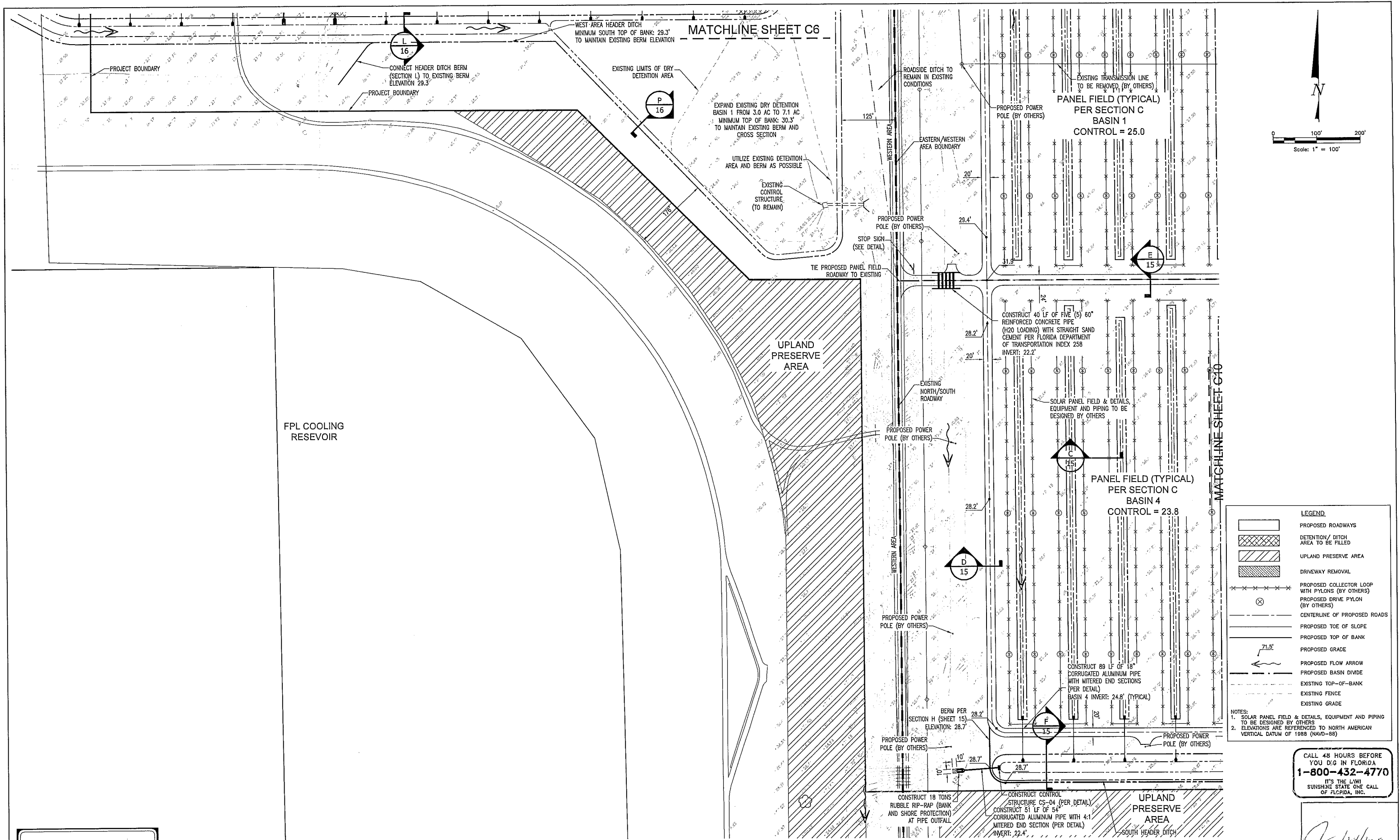
FPL

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THE MARTIN SOLAR
ENERGY CENTER
PAVING, GRADING, & DRAINAGE PLAN

SHEET
17038-C8
OF
17038-C17

REV NO

J. Montes
J. MONTES DE OCA
No. 63087
BOYLE ENGINEERING CORP. No. 2005
421 NW 3RD STREET
OKEECHOBEE, FL 34972
ENGINEER'S SEAL



LEGEND

	PROPOSED ROADWAYS
	DETENTION / DITCH AREA TO BE FILLED
	UPLAND PRESERVE AREA
	DRIVEWAY REMOVAL
	PROPOSED COLLECTOR LOOP WITH PYLONS (BY OTHERS)
	PROPOSED DRIVE PYLON (BY OTHERS)
	CENTERLINE OF PROPOSED ROADS
	PROPOSED TOE OF SLOPE
	PROPOSED TOP OF BANK
	PROPOSED GRADE
	PROPOSED FLOW ARROW
	PROPOSED BASIN DIVIDE
	EXISTING TOP-OF-BANK
	EXISTING FENCE
	EXISTING GRADE

NOTES:

1. SOLAR PANEL FIELD & DETAILS, EQUIPMENT AND PIPING TO BE DESIGNED BY OTHERS
2. ELEVATIONS ARE REFERENCED TO NORTH AMERICAN VERTICAL DATUM OF 1988 (NAVD-88)

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FL Engineering Business No. EB-2005
www.boyle.ecom.com

2 A	2/12/09	ISSUED FOR CONTRACT ISSUED FOR PERMITTING	REVISION	BY	CH	COR	APP

DATE

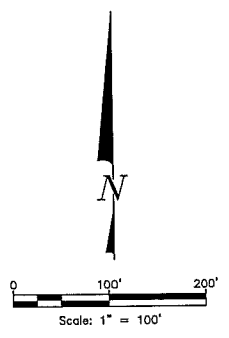
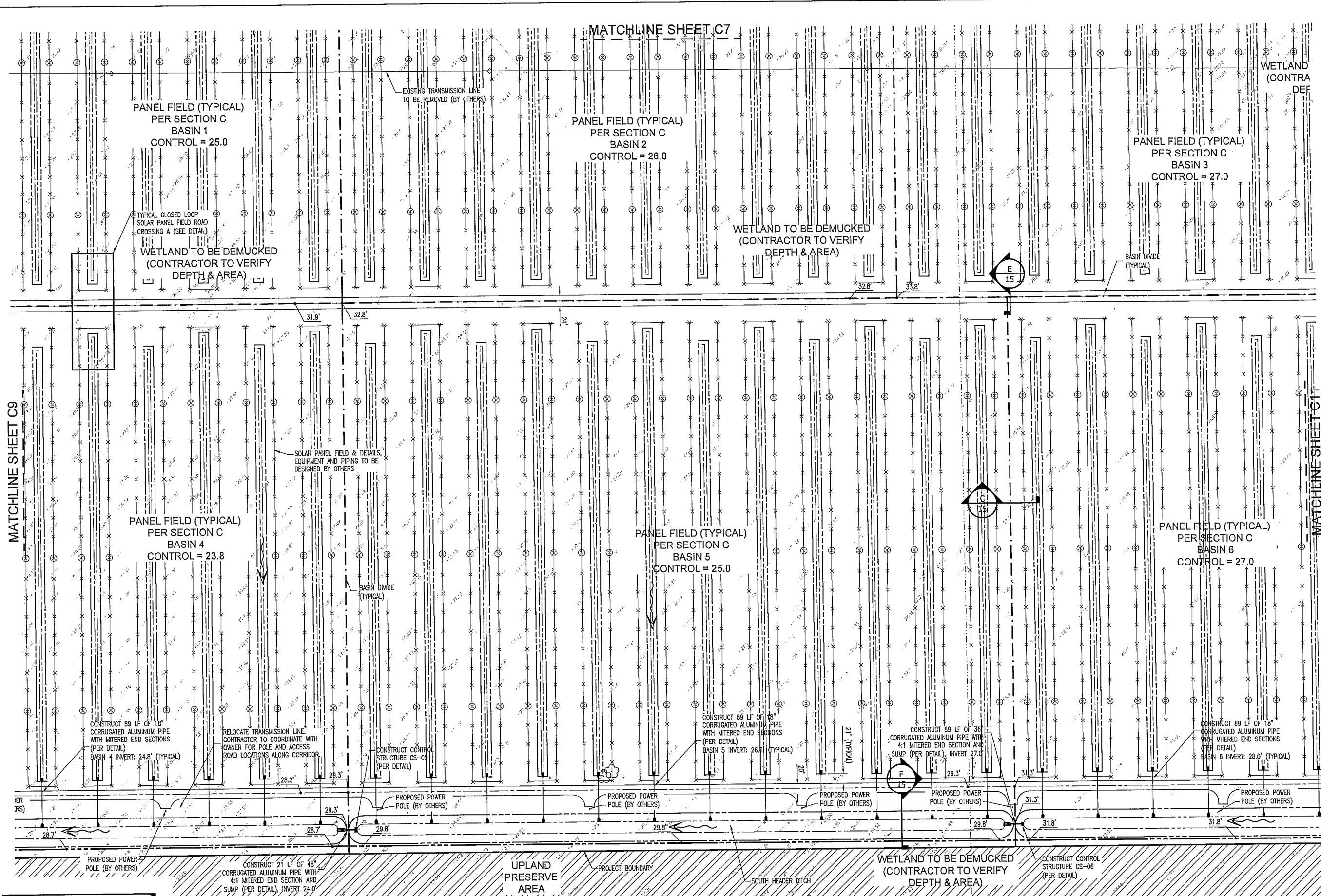
DR	RR	ER	MM
CH	MM	CDR	
APPROVED			

FLORIDA POWER & LIGHT
THE MARTIN SOLAR
ENERGY CENTER
PAVING, GRADING, & DRAINAGE PLAN

SHEET
17038-C9
OF
17038-C18

REV NO

MARCOS MONTES DE OCA
No. 63897
BOYLE ENGINEERING CORP. No. 2005
421 NW 3RD STREET
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www.boyle.escom.com

2/12/09		ISSUED FOR CONTRACT	
2/12/09		ISSUED FOR PERMITTING	
ER	NO	DATE	REVISION
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2	A	2/12/09	ISSUED FOR PERMITTING

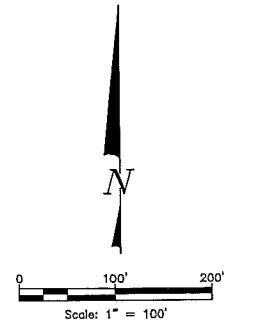
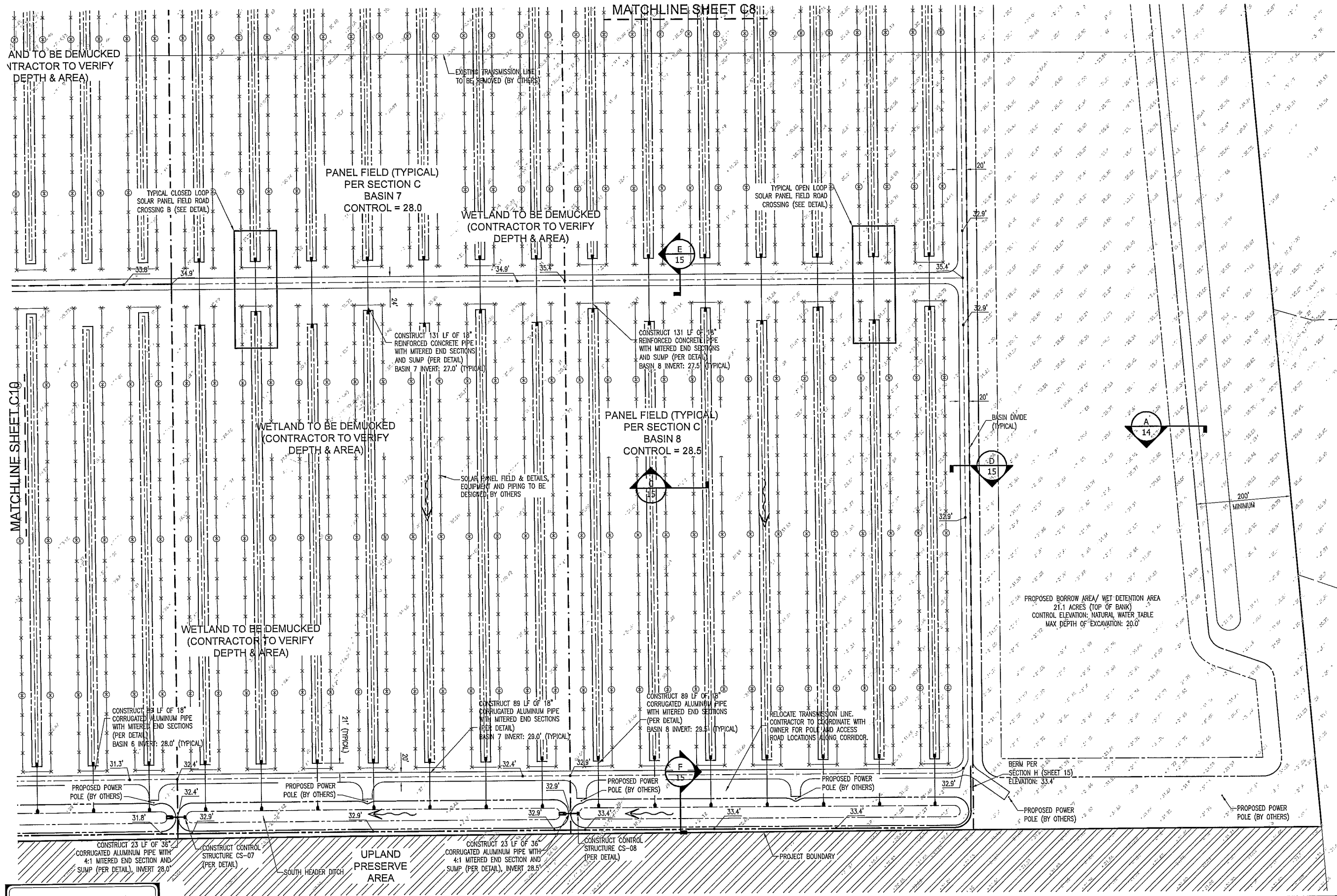
DATE			
DR	RR	ER	MM
CH	MM	CDR	
APPROVED			

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THE MARTIN SOLAR
ENERGY CENTER
PAVING, GRADING, & DRAINAGE PLAN

SHEET
17038-C10
OF
17038-C18

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REV NO
J 2/27/2009
MARCOS MONTES/DE OCA
No. 63597
BOYLE ENGINEERING CORP. No. 2005
421 NW 3RD STREET
OKEECHOBEE, FL 34972
ENGINEER'S SEAL



LEGEND

- PROPOSED ROADWAYS
- DETENTION / DITCH AREA TO BE FILLED
- UPLAND PRESERVE AREA
- DRIVEWAY REMOVAL
- PROPOSED COLLECTOR LOOP WITH PYLONS (BY OTHERS)
- PROPOSED DRIVE PYLON (BY OTHERS)
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ENGINEER'S SEAL

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REV	NO	DATE	REVISION	BY	CH	COR	APP
3	2	2/12/09	ISSUED FOR CONTRACT				
2	1	2/10/09	GENERAL REVISIONS BORROW AREAS / SILT FENCE				
1			ISSUED FOR PERMITTING				

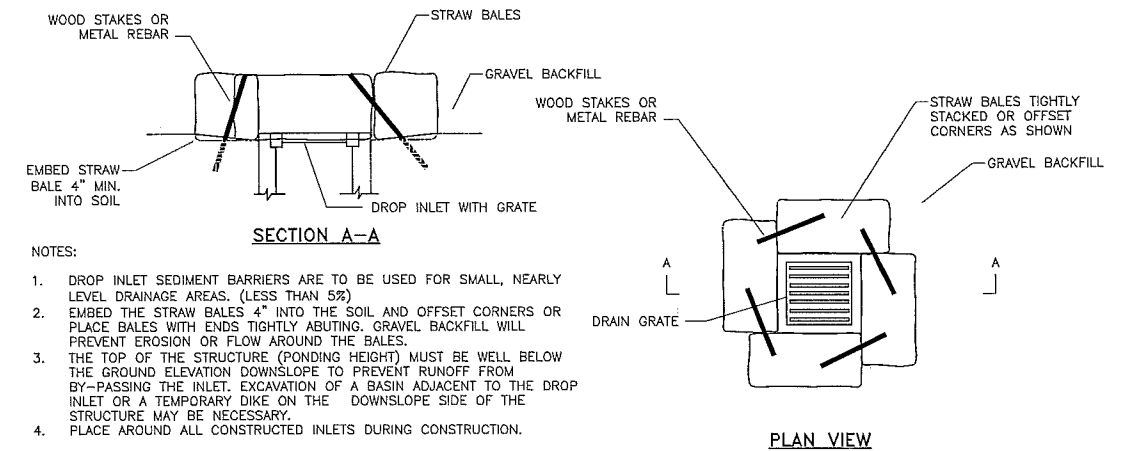
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FLORIDA POWER & LIGHT

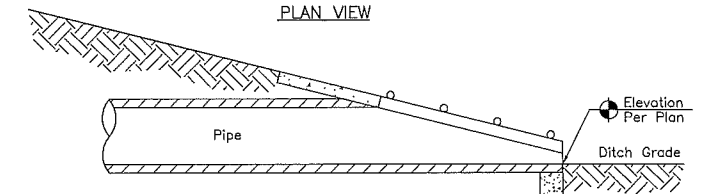
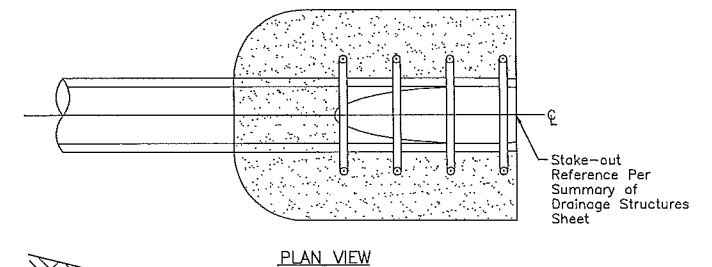
DR	RR	ER	MM
CH	MM	COR	
APPROVED			

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THE MARTIN SOLAR
ENERGY CENTER
PAVING, GRADING, & DRAINAGE PLAN

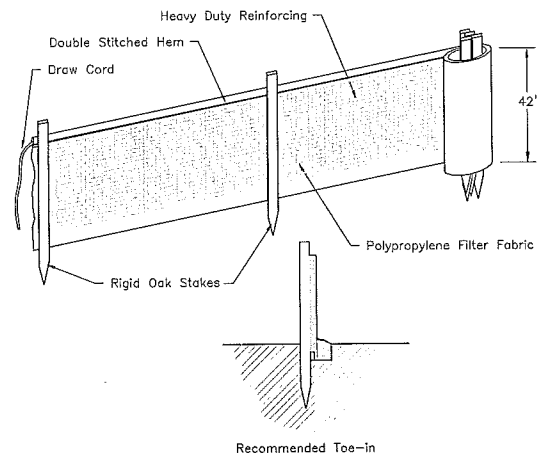
SHEET
17038-C11
OF
17038-C18



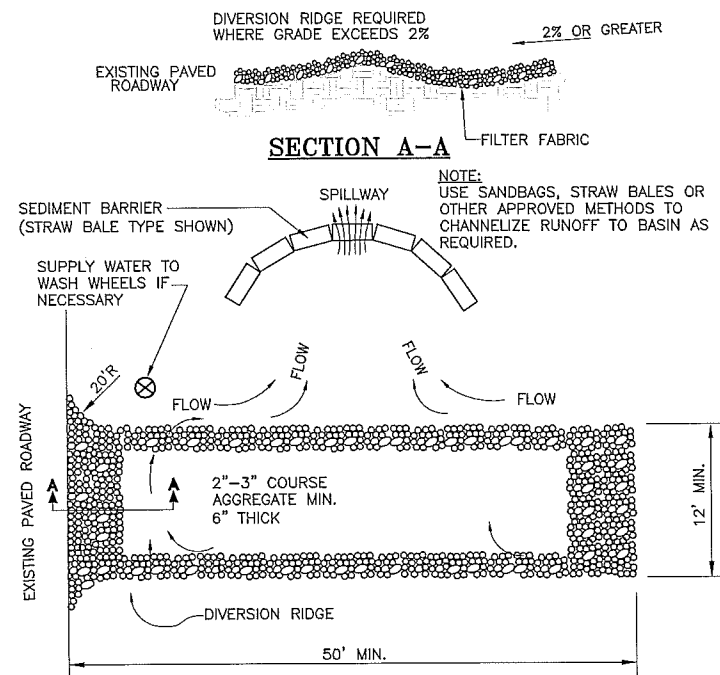
INLET PROTECTION – HAY BALES AND GRAVEL PLAN
N.T.S.



FDOT INDEX 272 & 273 MITERED END SECTIONS
SCALE: N.T.S.



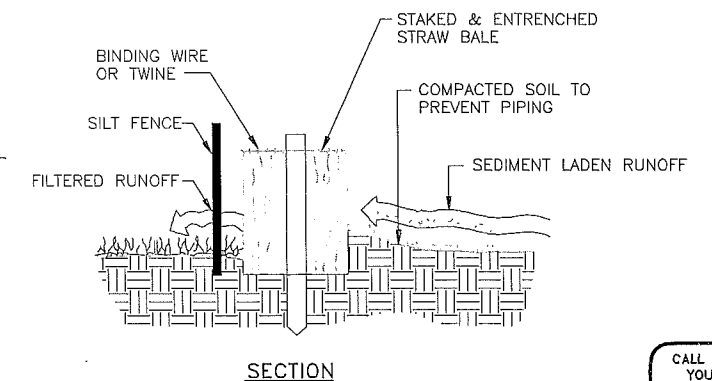
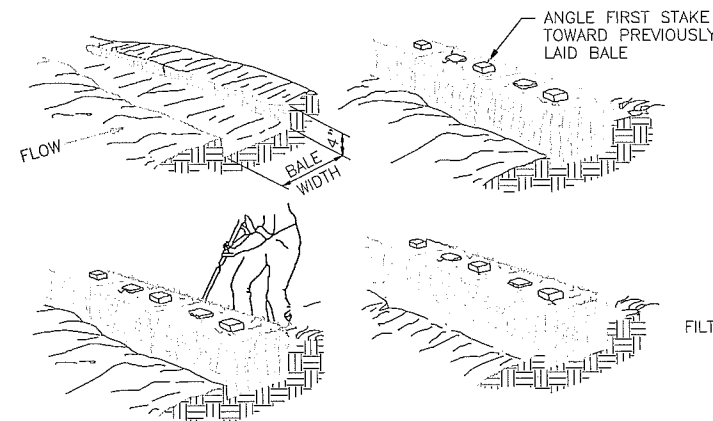
SILT FENCE DETAIL
SCALE: N.T.S.



TEMPORARY GRAVEL CONSTRUCTION ENTRANCE

NOTES:

- THE ENTRANCE SHALL BE MAINTAINED IN A CONDITION THAT WILL PREVENT TRACKING OR FLOWING OF SEDIMENT ONTO PUBLIC RIGHTS-OF-WAY. THIS MAY REQUIRE TOP DRESSING, REPAIR AND/OR CLEAN OUT OF ANY MEASURES USED TO TRAP SEDIMENT.
- WHEN NECESSARY, WHEELS SHALL BE CLEANED PRIOR TO ENTRANCE ONTO PUBLIC RIGHTS-OF-WAY.
- WHEN WASHING IS REQUIRED, IT SHALL BE DONE ON AN AREA STABILIZED WITH CRUSHED STONE THAT DRAINS INTO AN APPROVED SEDIMENT TRAP OR SEDIMENT BASIN.



STRAW BALE BARRIER
SCALE: N.T.S.

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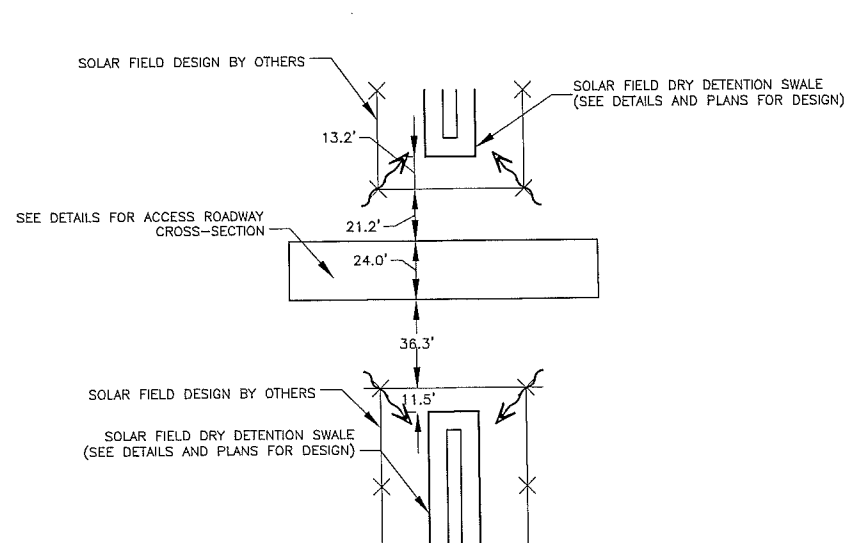
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3	2	2/12/09	ISSUED FOR CONTRACT				
2	1	2/10/09	ADDED SILT FENCE TO STRAW BALE BARRIER DETAIL				
1	1		ISSUED FOR PERMITTING				

DATE	DR	RR	ER	MM
	CH	MM	CD	
	APPROVED			

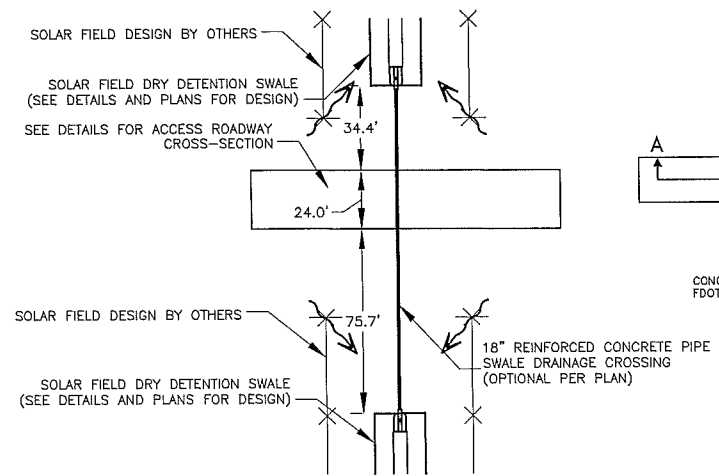
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OF
17038-C18

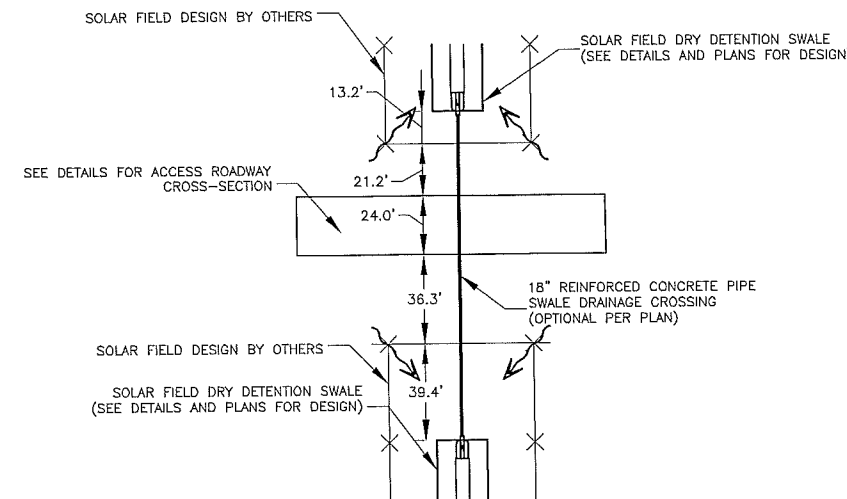
REV NO
MARCOS MONTES DE OCA
No. 63597
BOYLE ENGINEERING CORP. No. 2005
421 NW 3RD STREET
OKEECHOBEE, FL 34972
ENGINEER'S SEAL



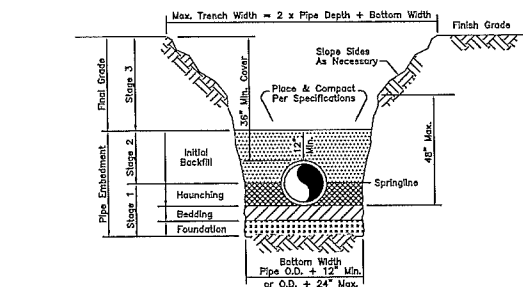
CLOSED LOOP SOLAR PANEL FIELD ROAD CROSSING A
SCALE: NOT TO SCALE



OPEN LOOP SOLAR PANEL FIELD ROAD CROSSING
SCALE: NOT TO SCALE

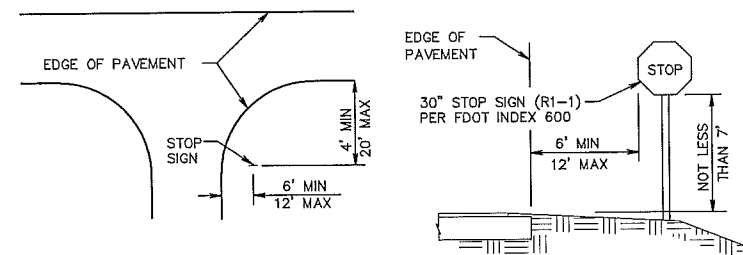


CLOSED LOOP SOLAR PANEL FIELD ROAD CROSSING B
SCALE: NOT TO SCALE

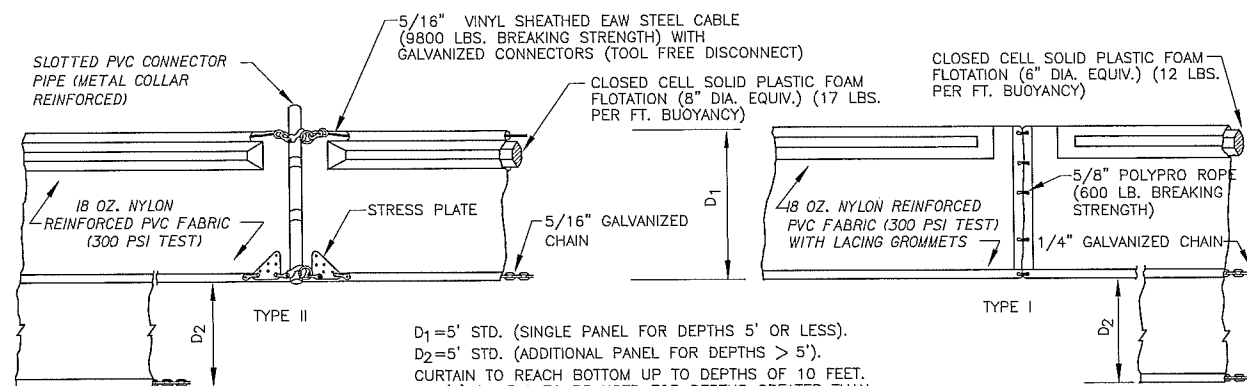


- NOTES:**
1. Depth of pipe may be field adjusted to meet special conditions as determined by the Owner's Representative.
 2. All trenching shall comply with the requirements of the Florida Trench Safety Act.
 3. **FOUNDATION:** A foundation may be required in poor soil conditions.
 4. **BEDDING:** Bedding is required primarily to bring the trench bottom up to grade and adjust for pipe bells. Bedding materials shall provide a uniform and adequate longitudinal support under the pipe. Material shall be placed in 4\"/>

TYPICAL PIPE TRENCHING DETAIL
SCALE: N.T.S.

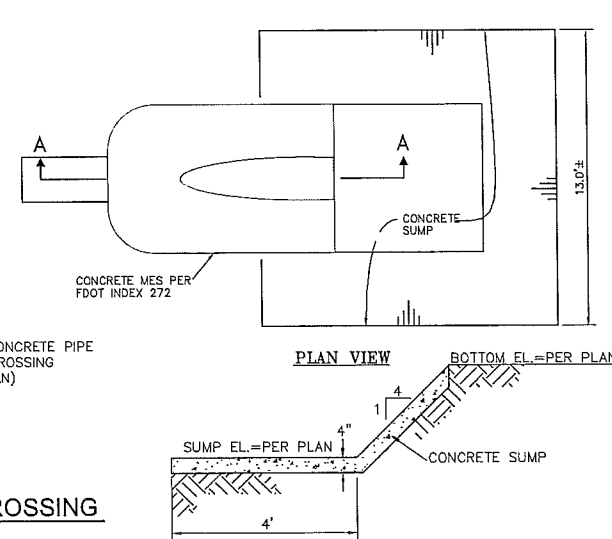


STOP SIGN LOCATION DETAIL
SCALE: N.T.S.

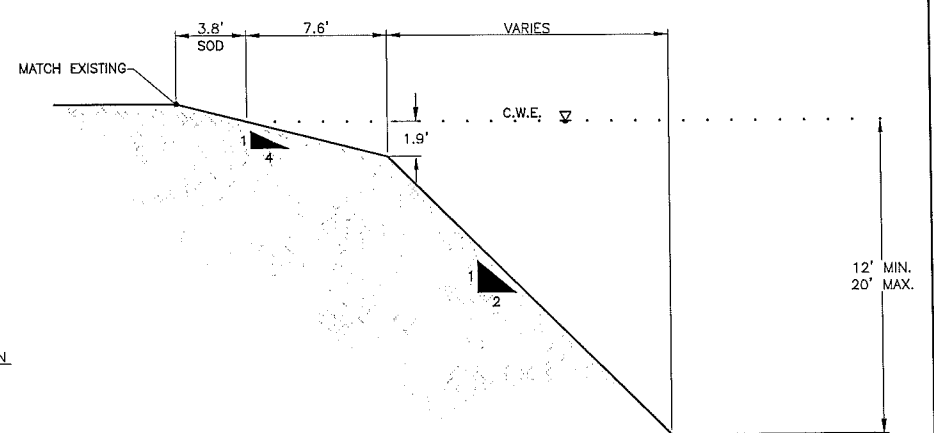


NOTICE: COMPONENTS OF TYPES I AND II MAY BE SIMILAR OR IDENTICAL TO PROPRIETARY DESIGNS. ANY INFRINGEMENT ON THE PROPRIETARY RIGHTS OF THE DESIGNER SHALL BE THE SOLE RESPONSIBILITY OF THE USER. SUBSTITUTIONS FOR TYPES I AND II SHALL BE AS APPROVED BY THE ENGINEER.

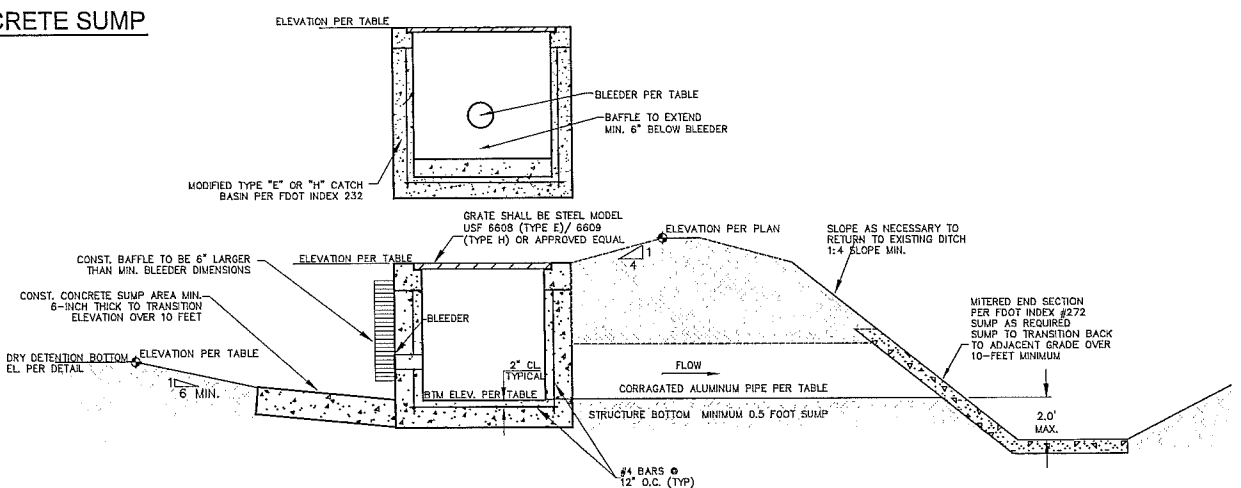
FLOATING TURBIDITY BARRIER
N.T.S.



CONCRETE SUMP



SECTION A: WET DETENTION EXCAVATION SECTION
SCALE: NOT TO SCALE



DRAINAGE STRUCTURE TABLE							
STRUCTURE #	STRUCTURE TYPE	PIPE INVERT ELEVATION (NAVD)	BOTTOM ELEVATION (NAVD)	RIM ELEVATION (NAVD)	BLEEDER TYPE	BLEEDER DIAMETER (INCHES)	BLEEDER INVERT ELEVATION (NAVD)
CS-01	TYPE H	23.6	23.1	27.6	CIRCLE	10.9	25.0
CS-02	TYPE H	25.0	24.5	28.7	CIRCLE	8.4	26.0
CS-03	TYPE E	27.0	26.5	29.7	CIRCLE	5.9	27.0
CS-04	TYPE H	22.4	21.9	26.3	CIRCLE	10.9	23.8
CS-05	TYPE H	24.0	23.5	27.5	CIRCLE	9.7	25.0
CS-06	TYPE E	27.0	26.5	29.4	CIRCLE	8.6	27.0
CS-07	TYPE E	28.0	27.5	30.7	CIRCLE	7.4	28.0
CS-08	TYPE E	28.5	28.0	31.0	CIRCLE	4.9	28.5

CONTROL STRUCTURE DETAIL
MODIFIED FDOT TYPE "E" OR "H" INLET
NOT TO SCALE

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ER	NO	DATE						

DATE	DR	RR	ER	MM
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APPROVED				

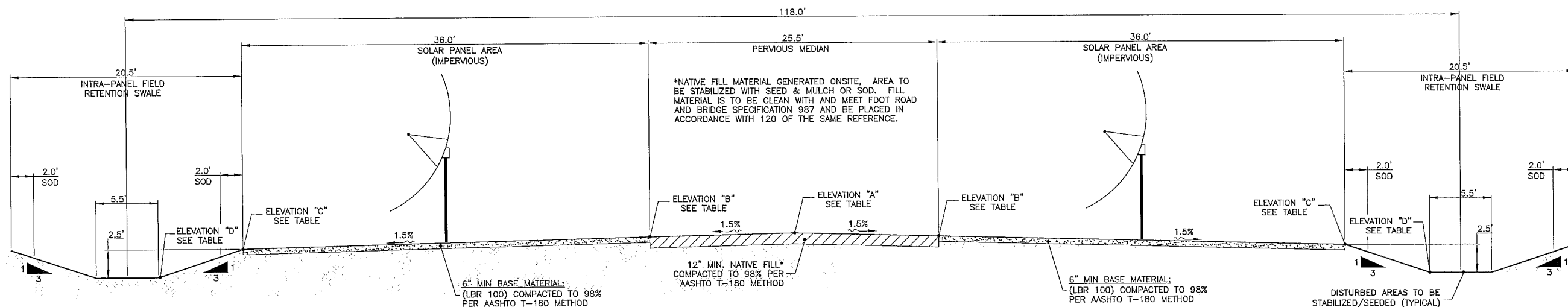
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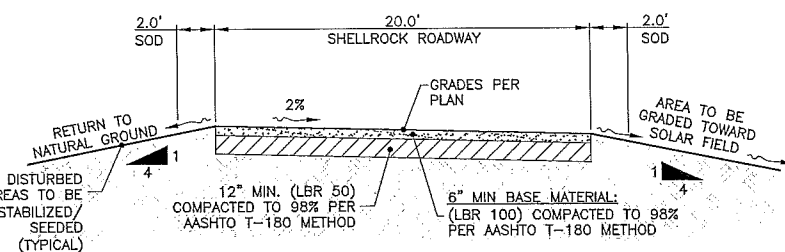


SECTION C: TYPICAL SOLAR PANEL FIELD (EAST AREA)

SCALE: NOT TO SCALE

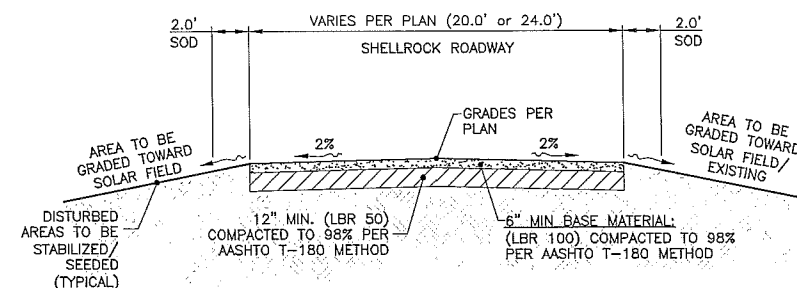
DETAILS ELEVATION SCHEDULE (SECTION C)				
BASIN #	ELEVATION A	ELEVATION B	ELEVATION C	ELEVATION D
1	29.2'±	29.0'±	28.5'	26.0'
2	30.2'±	30.0'±	29.5'	27.0'
3	31.2'±	31.0'±	30.5'	28.0'
4	28.0'±	27.8'±	27.3'	24.8'
5	29.2'±	29.0'±	28.5'	26.0'
6	31.2'±	31.0'±	30.5'	28.0'
7	32.2'±	32.0'±	31.5'	29.0'
8	32.7'±	32.5'±	32.0'	29.5'

- NOTES:
1. AT BASIN DIVIDE LOCATIONS ALL ELEVATION "A" SHALL REFERS TO THE UPSTREAM (HIGHER) ELEVATION
 2. ALL ELEVATIONS ARE IN NAVD 88.



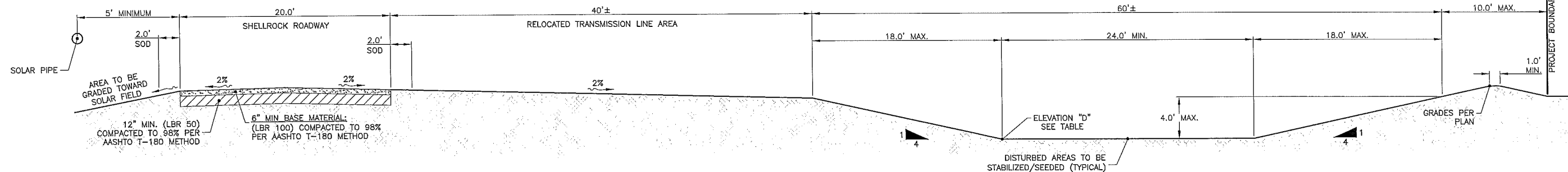
SECTION D: ROADWAY

SCALE: NOT TO SCALE



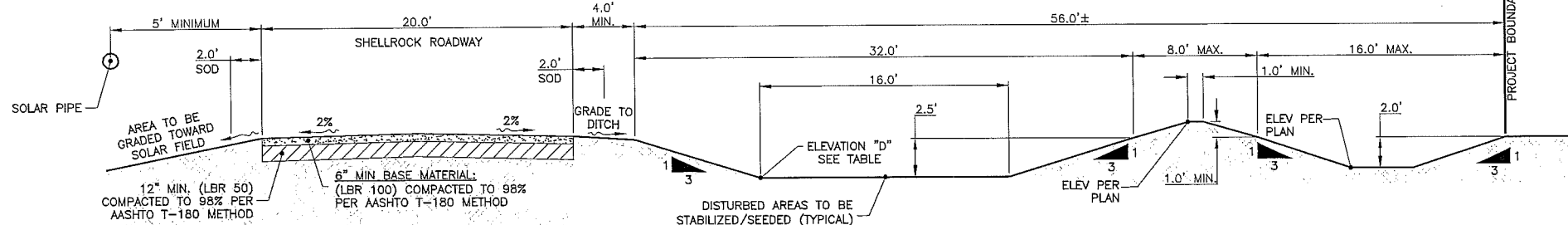
SECTION E: ROADWAY

SCALE: NOT TO SCALE



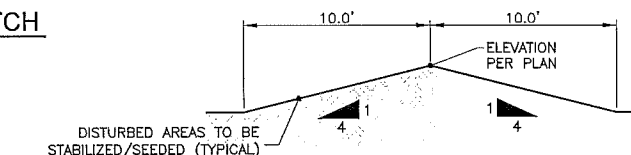
SECTION F: SOUTHERN ROADWAY/DRY DETENTION HEADER DITCH

SCALE: NOT TO SCALE



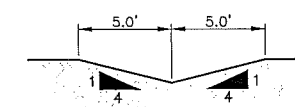
SECTION G: NORTHERN ROADWAY/DRY DETENTION HEADER DITCH/BYPASS DITCH

SCALE: NOT TO SCALE



SECTION H: PERIMETER BERM

SCALE: NOT TO SCALE



SECTION I: SPREADER SWALE / HYDRATION SWALE

SCALE: NOT TO SCALE

SPREADER SWALE SCHEDULE			
SPREADER SWALE	TOP OF BANK EL.	TOE OF SLOPE EL.	LINEAR FT. OF SWALE
I-1	28.5'	27.5'	100
I-2	28.5'	27.5'	100

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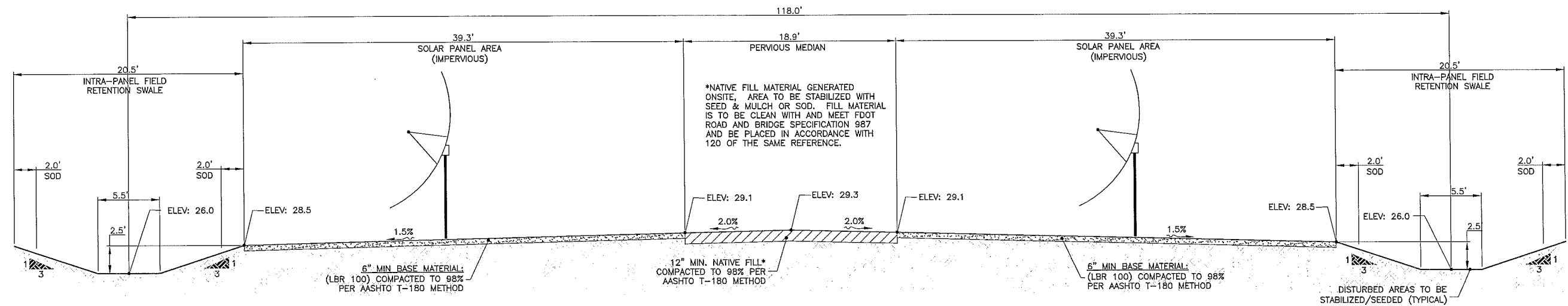
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		CH		MM		COR			
		APPROVED							

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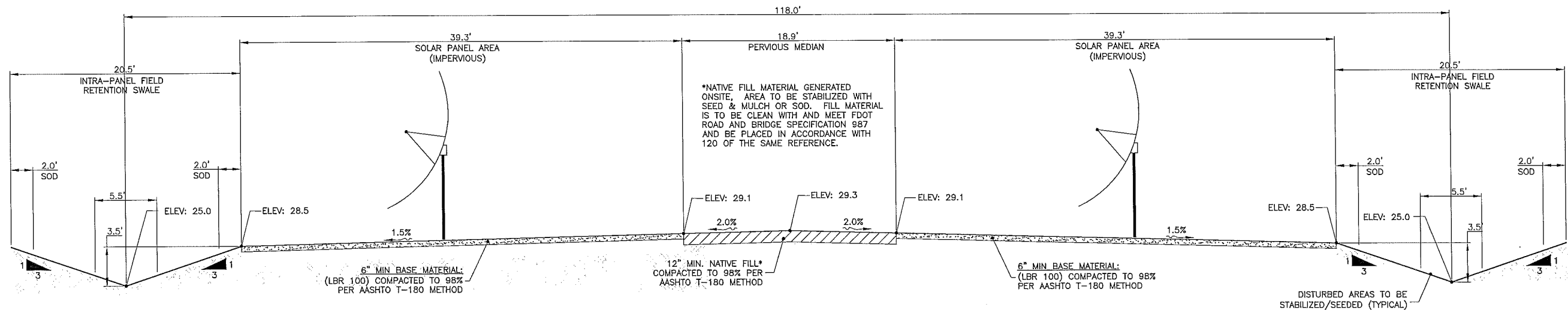
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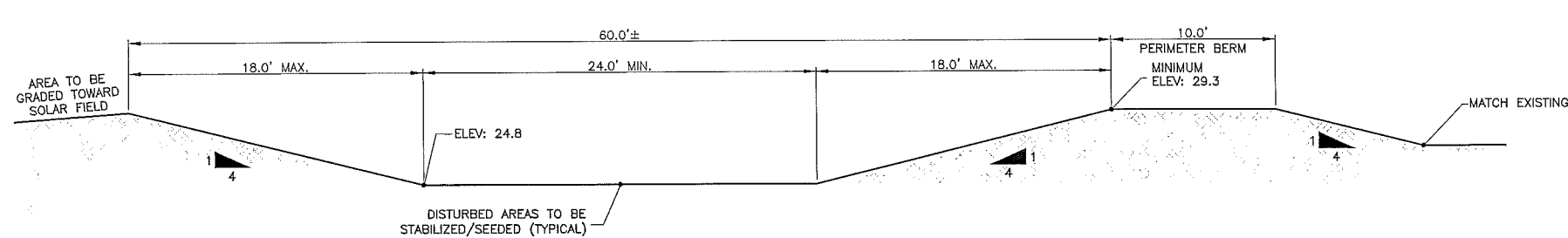
SECTION J: TYPICAL SOLAR PANEL FIELD W/ 2.5 FOOT SWALE (WEST AREA)

SCALE: NOT TO SCALE



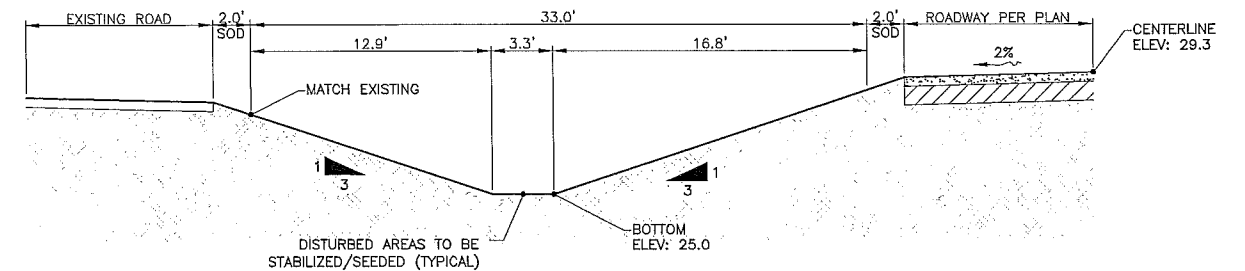
SECTION K: TYPICAL SOLAR PANEL FIELD W/ 3.0 FOOT BYPASS SWALE (WEST AREA)

SCALE: NOT TO SCALE



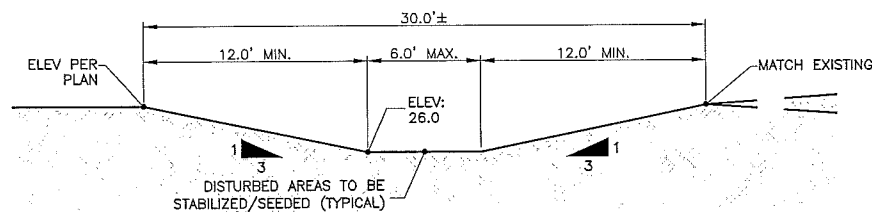
SECTION L: HEADER DITCH (WEST AREA)

SCALE: NOT TO SCALE



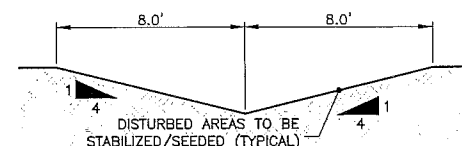
SECTION M: BYPASS/COLLECTION DITCH (WEST AREA)

SCALE: NOT TO SCALE



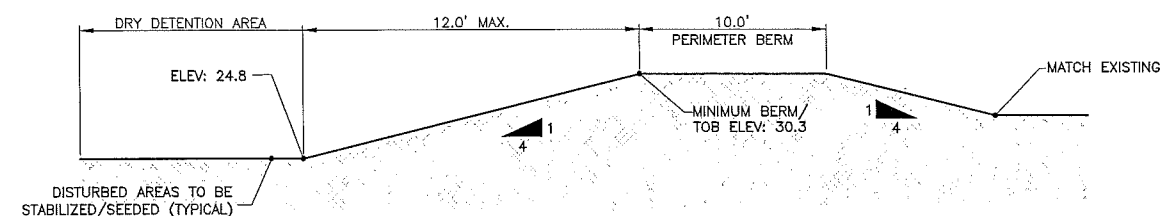
SECTION N: BYPASS/COLLECTION DITCH (WEST AREA)

SCALE: NOT TO SCALE



SECTION O: COLLECTION SWALE

SCALE: NOT TO SCALE



SECTION P: DRY DETENTION (WEST AREA)

SCALE: NOT TO SCALE

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A		ISSUED FOR PERMITTING				
ER	NO	DATE	REVISION	BY	CH	COR/APP



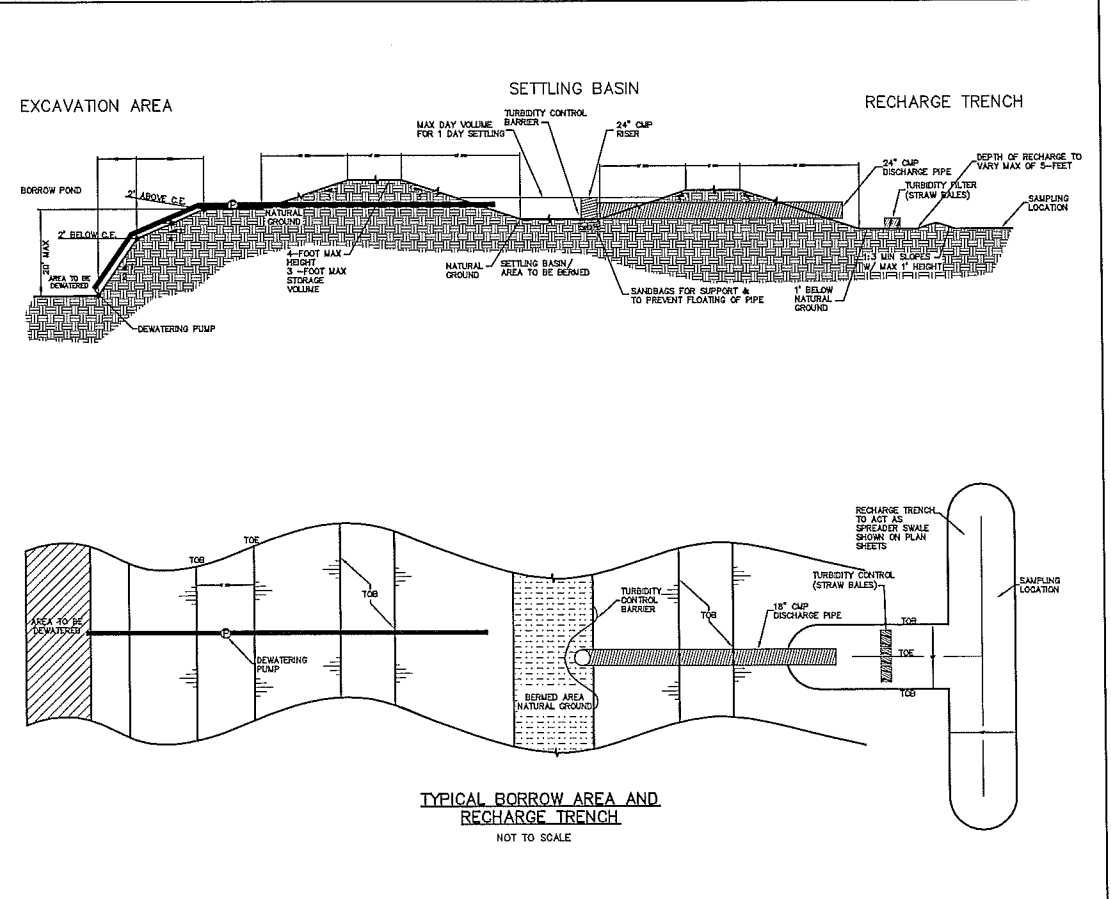
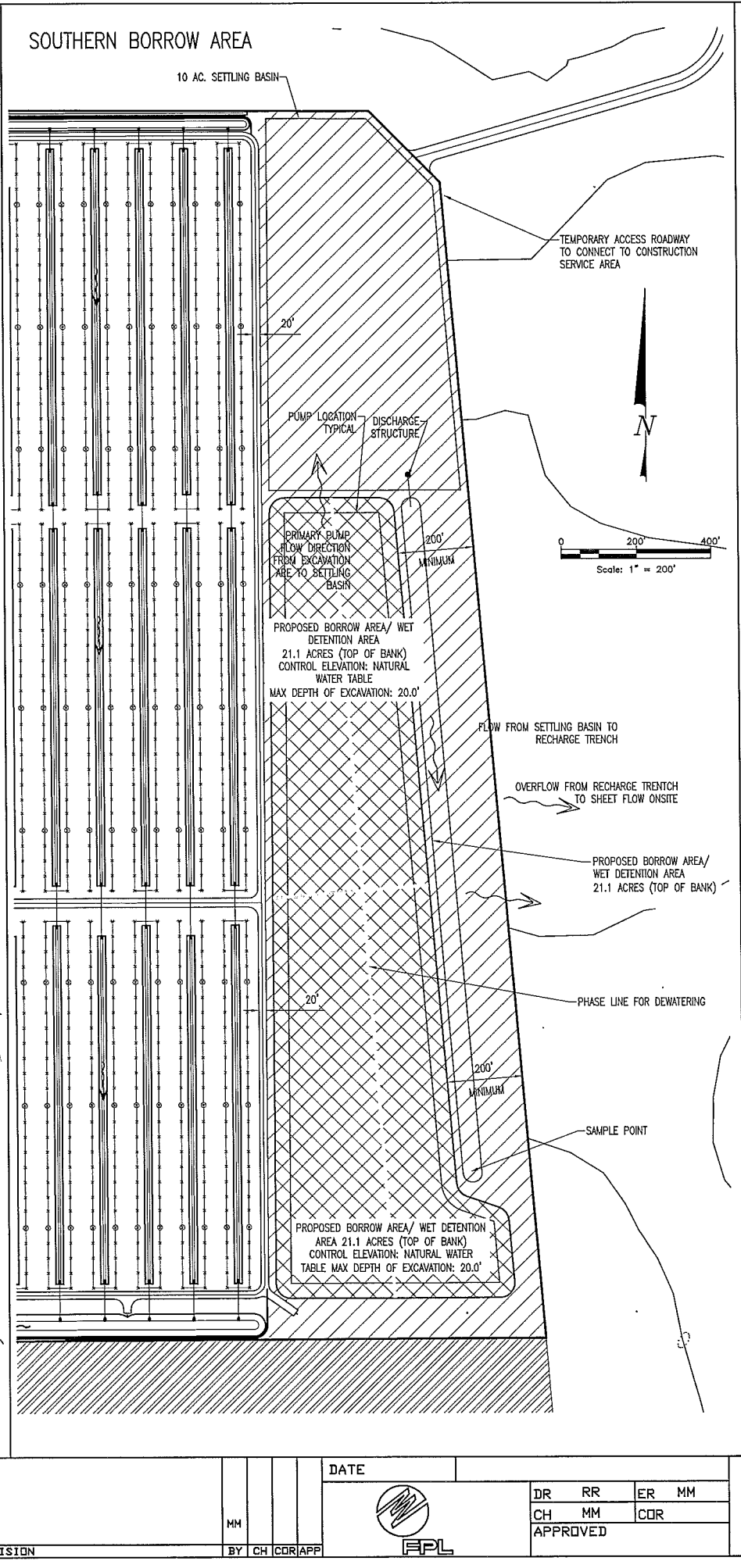
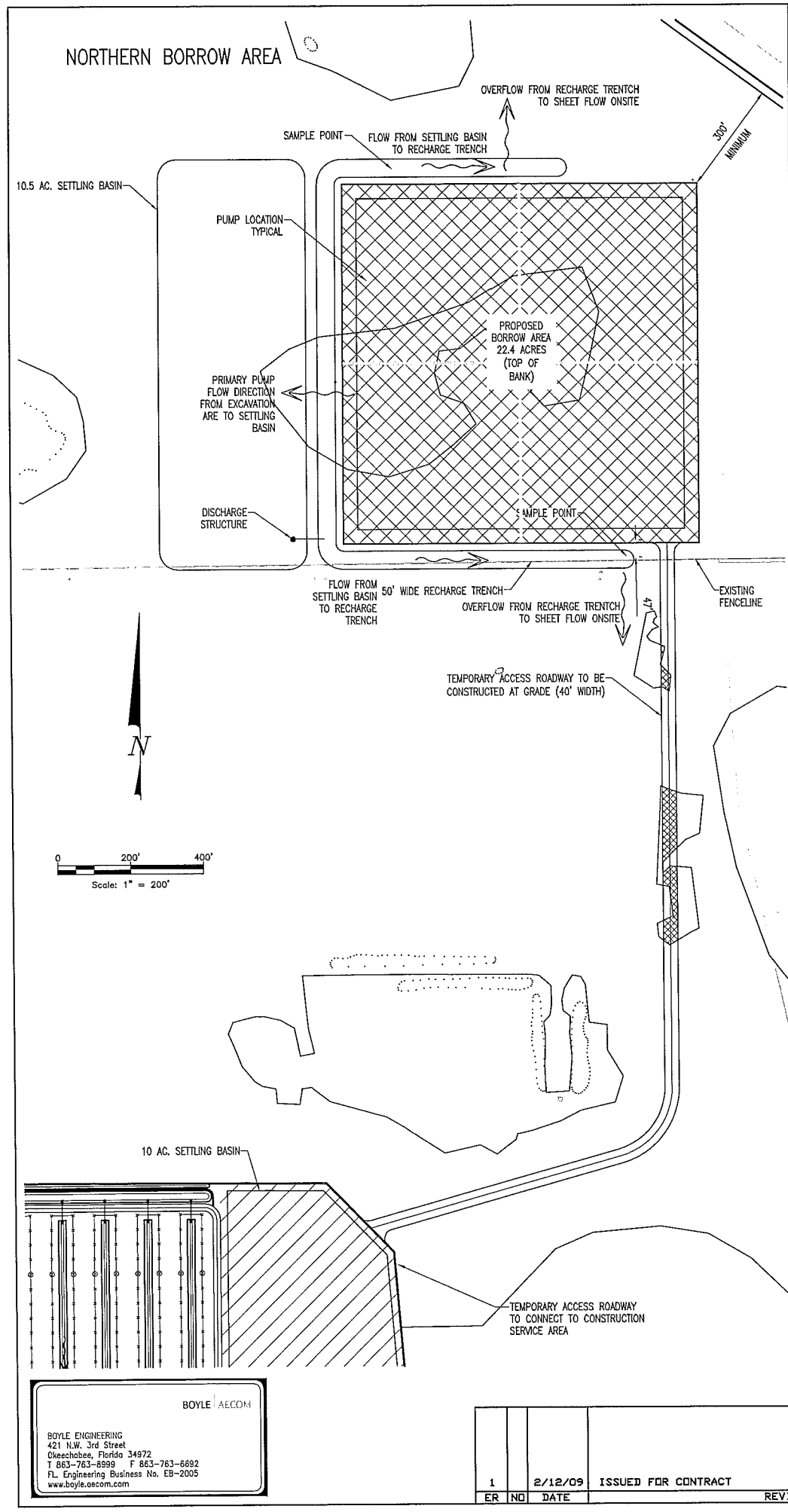
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- DEWATERING NOTES:**
- CONTRACTOR TO MONITOR DISCHARGE DAILY WITH SAMPLES TO BE PROVIDED TO OWNER AND ENGINEER FOR REVIEW.
 - SAMPLE TO BE LESS THAN 29 NTU ABOVE BACKGROUND LEVELS.
 - DAILY INSPECTION OF TURBIDITY CONTROL REQUIRED
 - CONTRACTOR TO HALT DEWATERING ACTIVITY IN CASES OF FAILING WATER QUALITY TESTS AND CONTACT SFWMD AND ENGINEER
- CONTINGENCY SHALL BE, BUT NOT LIMITED TO, THE FOLLOWING ITEMS LISTED BELOW.
1. HALT DEWATERING ACTIVITY IMMEDIATELY
 2. INSURE PROPER PLACEMENT AND QUALITY OF TURBIDITY CONTROLS
 3. REPAIR OR REPLACE FAULTY EQUIPMENT AND/OR BARRIERS
 4. RETEST WATER TO INSURE PROPER QUALITY AND OPERATION OF SYSTEM.

DEWATERING FLOW AND ORDER OF OPERATION

EXCAVATION IN BORROW AREAS TO BE COMPLETED IN FOUR PHASES EACH. EACH AREA OF EXCAVATION WILL BE PUMPED TO SETTLING BASIN. SUBSEQUENT PHASES FLOW WILL BE PUMPED TO PREVIOUSLY EXCAVATED AREAS THEN PUMPED TO SETTLING BASIN TO ALLOW FOR ADDITIONAL TREATMENT.

SETTLING BASIN TO CONTAIN SINGLE DAY OF PUMPING
DISCHARGE VIA MORNING GLORY STRUCTURE TO RECHARGE TRENCH

RECHARGE TRENCH TO OVERFLOW (ACT AS SPREADER SWALE) TO BE SHEET FLOW TO ADJACENT WETLANDS AND/OR PROJECT AREA

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MARCO MONTE DE OCA
No. 63857
BOYLE ENGINEERING CORP. No. 2005
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SUPPLEMENTAL CONDITIONS

SCOPE OF WORK: THE CONTRACTOR SHALL FURNISH ALL MATERIALS, LABOR, EQUIPMENT, TOOLS, SUPERVISION, TESTING, TRANSPORTATION AND INCIDENTALS NECESSARY TO CONSTRUCT THE PAVING, DRAINAGE, UTILITIES AND ASSOCIATED IMPROVEMENTS, IN ACCORDANCE WITH THE PROVISIONS OF THESE SUPPLEMENTARY CONDITIONS, SPECIFICATIONS AND THE DRAWINGS, ENTITLED, "CONSTRUCTION PLANS & SPECIFICATIONS FOR THE MARTIN SOLAR ENERGY CENTER", PREPARED BY BOYLE ENGINEERING CORPORATION INC., 421 NW 3RD STREET, OKEECHOBEE, FLORIDA 34972, (863) 763-8999.

IT IS THE OBJECTIVE OF THESE DOCUMENTS TO ASSURE THE TOTAL COMPLETION OF THE WORK REQUIRED TO PROVIDE PAVING, GRADING, DRAINAGE AND UTILITY IMPROVEMENTS FOR THE MARTIN SOLAR ENERGY CENTER.

LOCATION: THE PROJECT IS LOCATED ON SR 710 IN MARTIN COUNTY, SECTIONS 28 & 29, TOWNSHIP 39S, RANGE 38E. THE WORK IS GENERALLY ON THE 5572 ACRE PARCEL.

PERMITS AND LICENSES: CONSTRUCTION PERMITS FOR CERTAIN ELEMENTS OF THE PROJECT WORK HAVE BEEN OBTAINED OR APPLIED FOR BY THE OWNER, AND THE DESIGN AND CONSTRUCTION REQUIREMENTS OF THE PROJECT REFLECT CONSTRAINTS AND CONDITIONS IMPOSED BY THESE PERMITS.

THE CONTRACTOR SHALL PERFORM HIS WORK AND SHALL CONSTRUCT THE PROJECT IN ACCORDANCE WITH THE REQUIREMENTS OF THESE PERMITS AND APPROVALS, COPIES OF WHICH ARE AVAILABLE FOR HIS REVIEW AND USE FROM THE ENGINEER, UPON REQUEST. THE CONTRACTOR SHALL SECURE ALL WORK PERMITS, APPROVALS OR LICENSES REQUIRED TO PERFORM THE WORK, AND HE SHALL PERFORM THE WORK IN STRICT ACCORDANCE WITH THOSE PERMITS, APPROVALS OR LICENSES.

REFERENCE TO OTHER DOCUMENTS: FOR BREVITY, REFERENCE MAY BE MADE TO OTHER SPECIFICATIONS OR DOCUMENTS WHICH WILL BE USED TO SPECIFY OR CONTROL THE MATERIALS PLACED IN THE WORK, THE CONSTRUCTION METHODS TO BE USED, THE TOLERANCES THAT WILL BE ACCEPTABLE, AND CONTRACTUAL OR LEGAL OBLIGATIONS. THE SPECIFICATIONS OR DOCUMENTS SHALL INCLUDE:

- "STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT", THE LATEST EDITION, PREPARED BY THE ENGINEER'S JOINT CONTRACT DOCUMENTS COMMITTEE AND PUBLISHED BY THE NATIONAL SOCIETY OF PROFESSIONAL ENGINEERS. REFERENCE SHALL BE MADE: "GENERAL CONDITIONS."
- "FLORIDA DEPARTMENT OF TRANSPORTATION STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, 2007," PUBLISHED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. REFERENCE SHALL BE MADE: "FDOT SPECIFICATIONS."
- "ROADWAY AND TRAFFIC DESIGN STANDARDS 2008" PUBLISHED BY THE FLORIDA DEPARTMENT OF TRANSPORTATION. REFERENCE SHALL BE MADE "FDOT INDEX" OR "FDOT STANDARDS."
- "AMERICAN SOCIETY FOR TESTING AND MATERIALS SPECIFICATIONS", LATEST EDITION REFERENCE SHALL BE MADE: "ASTM."
- "MARTIN COUNTY LAND DEVELOPMENT REGULATIONS", LATEST EDITION. REFERENCE SHALL BE MADE AS "COUNTY CODE" OR "COUNTY STANDARDS" OR "COUNTY SPECIFICATIONS."
- "ENVIRONMENTAL RESOURCE PERMITTING" PUBLISHED THE SOUTH FLORIDA WATER MANAGEMENT DISTRICT & THE FLORIDA DEPARTMENT OF ENVIRONMENTAL PROTECTION (F.D.E.P.)

BY REFERENCE, THE DOCUMENTS CITED ABOVE ARE MADE PART OF THESE SUPPLEMENTARY CONDITIONS AND SPECIFICATIONS. THE CONTRACTOR SHALL HAVE COPIES OF EACH IN HIS POSSESSION FOR USE THROUGHOUT THE BIDDING AND CONSTRUCTION OF THIS PROJECT WORK AND/OR BE FAMILIAR WITH THE APPLICABLE SECTIONS OF EACH DOCUMENT AND BE ABLE TO VERIFY THAT ALL MATERIALS AND CONSTRUCTION METHODS ARE CONFORMANCE WITH THESE DOCUMENTS AND SPECIFICATIONS.

ADDITIONALLY, THE WORK SHALL BE PERFORMED IN ACCORDANCE WITH ALL OTHER APPLICABLE LOCAL, REGIONAL, STATE AND FEDERAL LAWS, REGULATIONS AND CODES.

CONTRACT ISSUES

GENERAL CONDITIONS: UNLESS OTHERWISE STATED IN THESE SUPPLEMENTARY CONDITIONS, THE PROVISIONS OF THE "STANDARD GENERAL CONDITIONS OF THE CONSTRUCTION CONTRACT," REFERENCED ABOVE, SHALL BE USED TO GOVERN ALL ISSUES ADDRESSED IN THOSE GENERAL CONDITIONS FOR THIS PROJECT.

OWNER-ENGINEER RELATIONSHIP: ANY AGREEMENT BETWEEN OWNER AND ENGINEER SHALL NOT BE CONSTRUED TO PROVIDE ANY OBLIGATION FROM THE ENGINEER TO ANY THIRD PARTIES INCLUDING, BUT NOT LIMITED TO, ARCHITECTS, OTHER ENGINEERS, ANY CONTRACTORS (GENERAL OR SUB), NOR TO ANY SUCCESSORS TO THE OWNER. THE RIGHTS UNDER ANY AGREEMENT BETWEEN OWNER AND ENGINEER INURE ONLY TO THOSE TWO PARTIES.

THE DRAWINGS

ERRORS OR OMISSIONS IN THE DRAWINGS OR SPECIFICATIONS: PRIOR TO INITIATION OF THE WORK, THE CONTRACTOR SHALL CHECK DIMENSIONS, GRADES, ELEVATIONS SHOWN ON THE DRAWINGS TO ASSURE HIMSELF THAT THEY ARE CORRECT AND THAT THE WORK CAN BE ACCOMPLISHED AS INTENDED. THE CONTRACTOR SHALL TAKE TO ADVANTAGE OF ANY APPARENT ERROR OR OMISSION WHICH HE MIGHT DISCOVER, BUT SHALL IMMEDIATELY NOTIFY THE ENGINEER OF SUCH DISCOVERY, WHO WILL THEN MAKE SUCH CORRECTIONS AND INTERPRETATIONS AS HE DEEMS NECESSARY FOR REFLECTING THE ACTUAL SPIRIT AND INTENT OF THE DRAWINGS AND SPECIFICATIONS.

BOUNDARY AND TOPOGRAPHIC SURVEY INFORMATION WAS PROVIDED BY BOYLE ENGINEERING CORPORATION INC., (772) 286-3883.

SOIL AND SUB-SOIL CONDITIONS: IT IS THE SOLE AND EXCLUSIVE RESPONSIBILITY OF THE CONTRACTOR TO:

- PLACE HIS OWN INTERPRETATION ON ANY AND ALL SOIL AND SUB-SOIL DATA PORTRAYED ON THE DRAWINGS.
- PERFORM HIS OWN SOIL AND SUB-SOIL INVESTIGATION TO DETERMINE THE NATURE, CHARACTER, LOCATION AND EXTENT OF ALL SOIL AND SUB-SOIL CONDITIONS THAT MAY AFFECT HIS WORK; AND
- INCLUDE IN HIS CONTRACT PRICE CONSIDERATION FOR ALL WORK NECESSARY TO ASSURE THAT THE SOIL AND SUB-SOIL CONDITIONS WILL MEET THE REQUIREMENTS OF THE SPECIFICATIONS AND THE APPLICABLE REGULATIONS OF MARTIN COUNTY.

THE WORK

ESTIMATED QUANTITIES: THE QUANTITIES ESTIMATED FOR VARIOUS ITEMS OF WORK ARE ONLY ESTIMATES, AND MAY NOT REFLECT ALL THE ITEMS OF WORK OR THE FINAL QUANTITIES NEEDED TO COMPLETE THE PROJECT. IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO DO ALL WORK AND TO FURNISH AND INSTALL ALL IMPROVEMENTS SHOWN ON THE DRAWINGS, WHETHER OR NOT THEY ARE SHOWN IN THE ESTIMATED QUANTITIES, OR WHETHER THE FINAL QUANTITIES ARE MORE OR LESS THAN THOSE ESTIMATED.

HORIZONTAL AND VERTICAL CONTROL: THE CONTRACTOR SHALL CONSTRUCT THE REQUIRED IMPROVEMENTS IN THE LOCATIONS SHOWN ON THE DRAWINGS, AND SHALL USE AS HORIZONTAL CONTROL POINTS THE EXISTING PROPERTY CORNERS AS SHOWN ON THE PLAN SHEET. THE HORIZONTAL CONTROL POINTS WERE PROVIDED BY BOYLE ENGINEERING CORPORATION INC., (772) 286-3883. THESE CONTROL MARKERS ARE LABELED ON THE PLAN SHEETS, AS VERTICAL CONTROL. BENCHMARKS SHALL BE PROVIDED AT THE SITE, FOR USE IN ESTABLISHING THE NECESSARY ELEVATIONS AND GRADES AT THE LOCATIONS SHOWN ON THE PLANS. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO PROTECT ALL CONTROL POINTS AND TO RE-ESTABLISH SAID POINTS AS NECESSARY. REMAINING HORIZONTAL AND VERTICAL CONTROL WORK SHALL BE PERFORMED BY THE CONTRACTOR IN ACCORDANCE WITH THE PLANS AND DETAILS.

WRITTEN DIMENSIONS ARE PROVIDED FOR CLARITY. WHERE WRITTEN AND SCALED DIMENSIONS CONFLICT, WRITTEN DIMENSIONS SHALL GOVERN.

COORDINATION OF WORK WITH OTHERS: THE CONTRACTOR SHALL COORDINATE HIS WORK WITH THE WORK OR IMPROVEMENTS OF OTHERS WITH REGARD TO NEW CONSTRUCTION, OR FOR THE NEED OF REMOVAL, RELOCATION OR ALTERATION OF EXISTING IRRIGATION AND DRAINAGE FACILITIES. THIS INCLUDES, BUT IS NOT LIMITED TO, THE OWNER HIS CONTRACTORS, SUBCONTRACTORS OR AGENTS.

STANDARDS FOR QUALITY AND WORKMANSHIP: ALL MATERIALS, EQUIPMENT AND SUPPLIES FURNISHED BY THE CONTRACTOR FOR PERMANENT INCORPORATION IN THE WORK SHALL BE NEW AND OF THE QUALITY STANDARDS SPECIFIED. WORKMANSHIP SHALL BE FIRST-CLASS AND THE FINISHED PRODUCT EQUAL TO THE BEST ACCEPTED STANDARDS OF THE TRADE FOR THE CATEGORY OF WORK PERFORMED.

TEMPORARY UTILITIES: ALL ARRANGEMENTS AND COSTS FOR TEMPORARY POWER, WATER AND WASTEWATER FACILITIES DURING CONSTRUCTION SHALL BE RESPONSIBILITY OF THE CONTRACTOR.

OBSERVING THE WORK: THE PROGRESS AND QUALITY OF THE WORK WILL BE OBSERVED BY THE OWNER'S ENGINEER OR ENGINEER'S APPOINTED EMPLOYEE. NO OBSERVER IS AUTHORIZED TO CHANGE ANY PROVISIONS OF THE SPECIFICATIONS WITHOUT WRITTEN AUTHORIZATION OF THE OWNER'S ENGINEER. NOR SHALL THE PRESENCE NOR THE ABSENCE OF AN OBSERVER RELIEVE THE CONTRACTOR FROM ANY REQUIREMENTS OF THE DRAWINGS AND SPECIFICATIONS.

THE CONTRACTOR SHALL GIVE THE ENGINEER A MINIMUM OF 48 HOURS NOTICE PRIOR TO REQUIRED INSPECTIONS, AND SHALL SUPPLY ALL EQUIPMENT NECESSARY TO PROPERLY TEST AND INSPECT THE COMPLETED WORK.

IN ADDITION TO THE REQUIREMENTS PREVIOUSLY REFERENCED, THE FOLLOWING MINIMUM CONSTRUCTION CONTROL CHECKPOINTS SHALL BE ADHERED TO, AND THE CONTRACTOR SHALL NOTIFY THE OWNERS' REPRESENTATIVE FOR OBSERVATION:

- PRIOR TO ANY DEVIATION FROM THE DRAWINGS;
- PRIOR TO ANY BACKFILLING TRENCHES CONTAINING HYDRAULIC CONDUITS, SO THAT JOINTING MAY BE INSPECTED;
- PRIOR TO TESTING OF ALL HYDRAULIC CONDUITS
- PRIOR TO PLACEMENT OF ROADWAY BASE MATERIAL, CONCRETE OR ASPHALTIC CONCRETE.
- UPON COMPLETION OF CONSTRUCTION FOR FINAL INSPECTION WITH THE CONTRACTOR OR HIS REPRESENTATIVE.

TESTING: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE SERVICES OF AN INDEPENDENT TESTING LABORATORY, THE TESTING AND RETESTING NECESSARY TO ASSURE THAT THE WORK HAS BEEN PERFORMED IN STRICT COMPLIANCE WITH THE SPECIFICATIONS. ANY RETESTS REQUIRED DUE TO FAILURE TO MEET THE MINIMUM REQUIREMENTS SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR.

EXISTING UTILITIES AND STRUCTURES: EXISTING UTILITIES, STRUCTURES AND FACILITIES SHOWN ON THE DRAWINGS WERE LOCATED AS ACCURATELY AS POSSIBLE FROM THE RECORDS EXAMINED. NO GUARANTEE IS MADE THAT ALL EXISTING FACILITIES ARE SHOWN OR THAT THOSE SHOWN ARE ENTIRELY ACCURATE. THE CONTRACTOR SHALL ASSURE HIMSELF OF THE ACTUAL LOCATION OF THE UTILITIES, STRUCTURES OR FACILITIES PRIOR TO PERFORMANCE OF ANY WORK IN THE VICINITY. THE UTILITY COMPANIES OR UTILITY AGENCIES MUST CO-OPERATE WITH THE CONTRACTOR IN LOCATING UNDERGROUND UTILITIES THAT MAY BE SUBJECT TO DAMAGE OR INTERRUPTION OF SERVICES DURING THE CONTRACTOR'S OPERATIONS. PRIOR TO START OF THE WORK, THE CONTRACTOR SHALL REQUEST THAT EACH UTILITY AGENCY ADVISE HIM OF THE LOCATION OF THEIR FACILITIES IN THE VICINITY. THE OWNER WILL ASSUME NO LIABILITY FOR DAMAGES SUSTAINED OR COSTS INCURRED BECAUSE OF THE CONTRACTOR'S OPERATION IN THE VICINITY OF EXISTING UTILITIES OR STRUCTURES, OR TO THE TEMPORARY BRACING AND SHORING OF SAME, IN THE EVENT THAT IT IS NECESSARY TO SHORE, BRACE OR SUBMIT A UTILITY. THE UTILITY COMPANY OR DEPARTMENT AFFECTED SHALL BE CONTACTED AND THEIR PERMISSION SECURED AS TO THE METHOD USED FOR ANY SUCH WORK.

RESTORATION OF DAMAGED STRUCTURES OR UTILITIES: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO REPAIR, REBUILD OR RESTORE TO ITS FORMER CONDITION, ANY AND ALL PORTIONS OF EXISTING UTILITIES, STRUCTURES, EQUIPMENT, APPURTENANCES OR FACILITIES, OTHER THAN THOSE TO BE PAID FOR UNDER THIS CONTRACT, WHICH MAY BE DISTURBED OR DAMAGED DUE TO THIS CONSTRUCTION OPERATION, AT NO COST TO THE OWNER.

FINAL CLEANUP: UPON COMPLETION OF THE WORK BUT BEFORE FINAL PAYMENT WILL BE MADE, THE CONTRACTOR SHALL CLEAR AND REMOVE FROM THE PROJECT AREA, ALL FALSE WORK, EQUIPMENT, SURPLUS AND DISCARDED MATERIALS, RUBBISH AND TEMPORARY STRUCTURES WHICH RESULT FROM THE WORK UNDER THIS AGREEMENT, AND SHALL RESTORE IN AN ACCEPTABLE MANNER ALL PROPERTY WHICH HAS BEEN DAMAGED DURING THE EXECUTION OF THE WORK.

GUARANTEE: ALL MATERIALS AND THE INSTALLATION THEREOF WHICH ARE FURNISHED AND INSTALLED BY THE CONTRACTOR, UNDER THE TERMS OF THE AGREEMENT, SHALL BE GUARANTEED BY THE CONTRACTOR AGAINST DEFECTIVE WORKMANSHIP, MECHANICAL AND PHYSICAL DEFECTS, LEAKAGE, BREAKAGE, AND OTHER DAMAGES AND FAILURE UNDER NORMAL OPERATION FOR A PERIOD TO BE DETERMINED BY THE OWNER.

ALL MATERIALS AND INSTALLATIONS PROVING TO BE DEFECTIVE WITHIN THE SPECIFIED PERIOD OF THE GUARANTY SHALL BE REPLACED, WITHOUT COST TO THE OWNER, BY THE CONTRACTOR. THE PERIOD OF GUARANTY OF EACH SUCH REPLACEMENT SHALL BE FROM AND AFTER THE DATE IN INSTALLATION THEREOF.

TECHNICAL SPECIFICATIONS

MATERIALS, CONSTRUCTION METHODS, TESTING AND TOLERANCES FOR ALL WORK SHALL BE IN ACCORDANCE WITH THE FOLLOWING SPECIFICATIONS, AND WITH THE SPECIFICATIONS REFERENCED UNDER THE "SUPPLEMENTARY CONDITIONS." IN THE EVENT OF CONFLICT, THE MORE STRINGENT PROVISION SHALL APPLY.

- MOBILIZATION/DEMOBILIZATION:** THE WORK SPECIFIED IN THIS SECTION CONSISTS OF THE PREPARATORY WORK AND OPERATIONS FOR BEGINNING THE PROJECT. THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE LIMITS TO THOSE OPERATIONS NECESSARY FOR THE MOVEMENT OF PERSONNEL, EQUIPMENT, SUPPLIES AND INCIDENTALS TO THE PROJECT SITE, AND FOR THE ESTABLISHMENT OF TEMPORARY OFFICES, BUILDINGS, SAFETY EQUIPMENT AND FIRST AID SUPPLIES. STAGING AND OTHER FACILITIES, AS REQUIRED BY THESE SPECIFICATIONS, THE SPECIAL PROVISIONS, AND STATE AND LOCAL LAWS AND REGULATIONS, ALL COSTS FOR BONDS, PERMITS AND ANY REQUIRED INSURANCE, AND ANY OTHER PRECONSTRUCTION EXPENSE NECESSARY FOR THE START OF THE WORK, AS WELL AS THE COST OF THE REMOVAL AND STORAGE OF THESE ITEMS, SHALL ALSO BE INCLUDED IN THIS SECTION.
- CONSTRUCTION SURVEYING:** THE CONTRACTOR SHALL CONSTRUCT THE REQUIRED IMPROVEMENTS AT THE LOCATIONS SHOWN ON THE DRAWINGS. THE "SUPPLEMENTARY CONDITIONS" THE OWNER SHALL PROVIDE BASIC REFERENCE POINTS FOR HORIZONTAL CONTROL AND BENCHMARKS IN THE VICINITY OF THE WORK. ALL OTHER CONSTRUCTION STAKING FOR BOTH HORIZONTAL AND VERTICAL CONTROL NEEDED BY THE CONTRACTOR FOR CONTROL OF HIS WORK SHALL BE PERFORMED BY THE CONTRACTOR.
- CLEARING AND GRUBBING:** CLEARING AND GRUBBING SHALL BE PERFORMED WITHIN THE LIMITS OF THE PROJECT AS SHOWN ON PLANS, INCLUDING BUT NOT LIMITED TO THE AREAS OF CONSTRUCTION FOR THE ON SITE IMPROVEMENTS AND OFF SITE IMPROVEMENTS IN ACCORDANCE WITH SECTION 110, DOT SPECIFICATION, AND SHALL CONSIST OF THE COMPLETE REMOVAL AND DISPOSAL OF GRASS, TREES, BRUSH, STUMPS, ROOTS, GRASS, WEEDS, RUBBISH (UNLESS OTHERWISE SHOWN ON PLANS) AND ALL OTHER OBSTRUCTIONS TO A DEPTH OF 18 INCHES BELOW NATURAL GROUND OR DESIGN GRADE, WHICHEVER IS LOWER. ALSO, THE REMOVAL AND DISPOSAL OF ALL ASPHALT AND CONCRETE PAVEMENT AND ALL DEMOLITION PRODUCT AND DEBRIS. TREES NOT MARKED ON PLANS AS "REMOVE" OR "RELOCATE" ARE NOT TO BE DISTURBED.

TOPSOIL ONSITE IS TO REMAIN.

ALL MATERIAL SHALL BE REMOVED FROM THE SITE OF THE PROJECT, AND SHALL BE DISPOSED OF IN ACCORDANCE WITH ALL LOCAL, REGIONAL, STATE AND FEDERAL LAWS, REGULATIONS OR ORDINANCES.

- EARTHWORK AND GRADING:** SHALL BE PERFORMED AS REQUIRED TO ATTAIN THE FINAL GRADES, TYPICAL SECTIONS AND ELEVATIONS AND TO ACCOMPLISH THE OBJECTIVES SHOWN ON THE PLANS FOR THE AREAS TO BE PAVED, GRADED, CLEAR, SODDED OR LANDSCAPED. MATERIALS AND CONSTRUCTION METHODS SHALL MEET THE REQUIREMENTS OF SECTION 120 AND 125, FDOT SPECIFICATIONS.

ANY PLASTIC OR ORGANIC MATERIAL WITHIN 36" OF THE FINISHED GRADE OF THE ROADWAY AREA SHALL BE REMOVED AND REPLACED WITH APPROVED FILL MATERIAL. IN ADDITION, ANY STRUCTURES, FOUNDATIONS, PIERS PIPES AND SUBSURFACE IMPEDIMENTS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR.

ALL CLEAN EXCESS MATERIAL SUITABLE FOR FILL RESULTING FROM THE EXCAVATION SHALL BE INCORPORATED INTO THE ON SITE FILLING OR DISPOSED OF AS DIRECTED BY THE OWNER. ALL UNSUITABLE MATERIAL AND DEBRIS SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR. THE CONTRACTOR SHALL PROVIDE A BILL OF LOADING AND/OR RECORDS FOR ALL SUCH MATERIALS.

RIP RAP IS TO BE IN ACCORDANCE WITH FDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 530 AND PLACED AS DIRECTED BY THE ENGINEER. METAL OR CONSTRUCTION RUBBLE MATERIAL IS NOT ALLOWABLE. FINISH SOIL / TOP SOIL IS TO BE PLACED IN ALL AREAS THAT ARE TO BE STABILIZED. THIS MATERIAL IS TO BE IN ACCORDANCE WITH FDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 587. GEO TEXTILES, FABRICS IF REQUIRED ARE TO BE IN ACCORDANCE WITH FDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 885.

GEOSYNTHETIC REINFORCEMENT IS TO BE PER FDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 450.

PRIOR TO FILL PLACEMENT, AREAS ARE TO BE CLEARED AND GRUBBED. THE FILL PLACEMENT SHALL BE IN ACCORDANCE WITH SECTION 120 OF FOOT STANDARD SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION.

MATERIAL GENERATED ONSITE MEETING THE REQUIREMENTS ABOVE ARE TO BE UTILIZED AND SHALL BE SEGREGATED TO ALLOW FOR ORIGINAL TOPSOIL PLACEMENT OVER THE PROPOSED FILL AREAS, AS APPLICABLE. MAXIMUM TOPSOIL THICKNESS SHALL BE 8-INCHES.

ALL FILL PLACEMENT SHALL BE COMPACTED TO 98% MINIMUM DENSITY PER MODIFIED PROCTOR AS PER ASHOT T-180 METHOD, IN 1-FOOT MAXIMUM LIFTS. COMPACTION TESTING SHALL BE REQUIRED IN 200 FOOT MAXIMUM RECTANGULAR GRIDS.

THE WORK SHALL INCLUDE, BUT NOT LIMITED TO THE FOLLOWING:
THE SHAPING OF THE CLEARING, GRADING OF ROADWAY, PROPOSED SWALES, DRY DETENTION AREAS, DITCHES, BUILDING PAD AREAS, PARKING AND LANDSCAPE AREAS, AND PERMETER BERMES.

- CONCRETE / PORTLAND CEMENT AND BLINDED CONCRETE:** ITEMS ON THE CONSTRUCTION PLANS ARE TO BE IN ACCORDANCE WITH FDOT SPECIFICATIONS FOR ROAD AND BRIDGE CONSTRUCTION, SECTION 921 AS APPLICABLE. THIS APPLIES TO CONCRETE SURROUNDING DRAINAGE PIPE ENDS AND MISCELLANEOUS CONCRETE NOT PART OF STRUCTURAL BUILDINGS AND STRUCTURES DESIGNED BY OTHERS.
- DRAINAGE IMPROVEMENTS:** THE CONTRACTOR SHALL PROVIDE ALL THE MATERIALS AND LABOR NECESSARY TO COMPLETE THE PROJECT WORK FOR THE DRAINAGE IMPROVEMENTS AT THE LOCATION, SIZE AND TYPE SHOWN ON THE PLANS FOR THE FOLLOWING ITEMS IN ACCORDANCE WITH MARTIN COUNTY & FDOT SPECIFICATIONS, INCLUDED IN THE UNIT COSTS FOR EACH ITEM SHOWN ON THE PLANS. THE CONTRACTOR, TO COMPLY WITH THE TRENCH SAFETY ACT, LAWS OF FLORIDA, CHAPTER 80-98.

BACKFILL AND COMPACTION OF TRENCHING FOR CULVERT INSTALLATION UNDER THIS SECTION SHALL BE IN ACCORDANCE WITH SECTION 125-8-3, FDOT SPECIFICATIONS. DENSITY TESTS SHALL BE PROVIDED AT THE FOLLOWING VERTICAL LOCATIONS:

- TWO TESTS* AT SPRINGLINE (ONE EACH SIDE OF THE PIPE);
- ONE TEST* AT ONE-FOOT ABOVE PIPE AND
- ONE TEST* AT ONE-FOOT BELOW SUBGRADE OR FINISH GRADE.
- * = DENSITY OF AT LEAST 100% OF MAXIMUM DENSITY AS DETERMINED BY ASHOT T-99, METHOD C.

THE MINIMUM NUMBER OF HORIZONTAL TEST LOCATIONS IS TWO PER CULVERT INSTALLATION, ONE PER 100 LINEAL FEET OF PIPE AND/OR ONE PER 20 FEET OF PAVEMENT CROSSING WHICHEVER IS GREATER. ADDITIONAL TESTS MAY BE REQUIRED AT MORE FREQUENT INTERVALS IF DEEMED NECESSARY BY THE ENGINEER.

TESTING: IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE SERVICES OF AN INDEPENDENT TESTING LABORATORY, THE TESTING AND RETESTING NECESSARY TO ASSURE THAT THE WORK HAS BEEN PERFORMED IN STRICT COMPLIANCE WITH THE SPECIFICATIONS. ANY RETESTS REQUIRED DUE TO FAILURE TO MEET THE MINIMUM REQUIREMENTS SHALL BE PERFORMED AT THE EXPENSE OF THE CONTRACTOR. COPIES OF ALL TESTING REPORTS SHALL BE PROVIDED TO FLORIDA POWER & LIGHT.

- CULVERTS:** CONSTRUCTION METHODS FOR DRAINAGE CULVERTS SHALL CONFORM TO THE REQUIREMENTS OF SECTIONS 125 AND 430, FDOT SPECIFICATIONS.
 - 1) CORRUGATED ALUMINUM CAP: ALL CAP SHALL BE ALUMINUM ALLOY ROUND PIPE HELICALLY WOUND CORRUGATED PIPE CONFORMING TO ASHOTO-M 1986-74 AND FDOT SECTION 945.
- REINFORCED CONCRETE PIPE (R.C.P.):**
 - 1) RCP SHALL CONFORM TO THE REQUIREMENTS OF ASTM SPECIFICATIONS C-76, CLASS III, WALL THICKNESS "B", LATEST REVISION, AND AS MODIFIED BY SECTION 941 OF FOOT STANDARD SPECIFICATIONS, LATEST REVISION, GASKETS FOR PIPE JOINTS SHALL CONFORM TO FDOT SECTION 942.
- CONTROL STRUCTURES:** PRE-CAST CONCRETE CATCH BASINS SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATIONS C-478 AND FDOT STANDARD SPECIFICATION 425 AND 232. CONCRETE FOR PRE-CAST BASINS SHALL HAVE A MINIMUM COMPRESSIVE STRENGTH OF 4,000 PSI AT 28 DAYS. SHOP DRAWING ARE REQUIRED.

- ROADWAY IMPROVEMENTS:** ROADWAY CONSTRUCTION SHALL BE AT THE LOCATIONS AND TO THE ELEVATIONS SHOWN ON THE PLANS, AND IN ACCORDANCE WITH THESE SPECIFICATIONS, FOOT AND MARTIN COUNTY SPECIFICATIONS.

- STABILIZED SUBGRADE SHALL HAVE A MINIMUM LBR 50, AND MINIMUM DENSITIES SHALL BE 98% OF MAXIMUM AS DETERMINED BY THE ASHOTO T-180 METHOD C. MATERIALS AND CONSTRUCTION METHODS SHALL BE FURNISHED BY THE CONTRACTOR, AND CONFORM TO SECTION 180, FDOT SPECIFICATIONS FOR TYPE C STABILIZATION AND PAID FOR AS PART OF THE WORK UNDER THIS SECTION. COMPACTED SUBGRADE WITHIN THE LIMITS SHOWN ON PLANS, THIS STABILIZED SUBGRADE SHALL BE USED FOR ALL ROADWAY AND PARKING AREAS.
- BASE COURSE SHALL BE LIMEROCK, COQUINA OR SHELLOCRACK SHOWN ON THE PLANS. AFTER COMPACTION, THE BASE SHALL HAVE A DENSITY THAT IS 98% OF MAXIMUM AS DETERMINED BY THE ASHOTO T-180 METHOD. MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO SECTION 203, DOT SPECIFICATIONS, WHICHEVER IS APPLICABLE FOR THE BASE MATERIAL USED. THIS BASE COURSE SHALL BE USED FOR ALL ROADS.

ADDITIONAL TESTS MAY BE REQUIRED FOR THE DRIVEWAY CONSTRUCTION OR AT MORE FREQUENT INTERVALS IF DEEMED NECESSARY BY THE ENGINEER.

ROADWAY NOTES:

DETERMINATION FOR ALL ITEMS OF WORK UNDER ROADWAY AND PARKING AREAS SHALL BE AS FOLLOWS:

ITEM	BEARING VALUE FLORIDA SOIL	DENSITY	THICKNESS
SUBBASE	200*	200*	200*
LIMEROCK OR COQUINA BASE	---	200*	200*

* = MAXIMUM SPACING SHOWN IN FEET. ALL TESTING SHALL BE TAKEN IN A STAGGERED SPACING PATTERN FROM A POINT 12 INCHES INSIDE THE FIRST EDGE, TO THE CENTER, TO A POINT 12 INCHES INSIDE THE RIGHT EDGE OF THE ITEM TESTED.

IN ADDITION TO THE DENSITY AND THICKNESS TESTING SPECIFIED ABOVE, THE BASE MATERIAL SHALL RECEIVE A MINIMUM OF SIX (6) PASSES OF A VIBRATORY ROLLER DELIVERING AN IMPACT LOAD OF 30,000 POUNDS PER VIBRATION.

THE CONTRACTOR SHALL PROVIDE BOYLE AND THE CLIENT THE NAME, LOCATION(S) OF ALL IMPORTED SOIL AND AGGREGATE MATERIALS. CONTRACTOR SHALL ALSO PROVIDE PARTICLE SIZE ANALYSIS / GRADING ANALYSIS FOR THESE MATERIALS.

- INCLUDING THE CONTRACTOR SHALL PROVIDE ALL MATERIALS AND LABOR NEEDED, INCLUDING ALL SUPPORTING ELEMENTS TO INSTALL SIGNS AT THE LOCATION SHOWN ON THE PLANS. MATERIALS AND CONSTRUCTION METHODS SHALL CONFORM TO SECTION 700, FDOT SPECIFICATIONS AND MARTIN COUNTY SPECIFICATIONS.

ALL SIGNS SHALL BE INSTALLED AS SHOWN ON PLANS.

- EROSION AND POLLUTION CONTROL:** THE CONTRACTOR SHALL TAKE SUFFICIENT PRECAUTIONS TO PREVENT WATER POLLUTION WITH MATERIALS, FILL, WILDS, BITUMINOUS, CALCIUM CHLORIDE OR OTHER HARMFUL MATERIALS. ALSO, HE SHALL CONDUCT AND SCHEDULE HIS OPERATIONS SO AS TO AVOID POLLUTION OR SITUATION OF WATER BODIES OR TO INTERFERE WITH INDIVIDUOUS WILDLIFE. THE INSTALLATION OF TEMPORARY EROSION AND POLLUTION CONTROL FEATURES SHALL BE COORDINATED WITH THE CONSTRUCTION OF THE PERMANENT EROSION CONTROL FEATURES TO THE EXTENT NECESSARY TO ASSURE ECONOMIC, EFFECTIVE AND CONTINUOUS CONTROL OF EROSION AND WATER POLLUTION THROUGHOUT THE LIFE OF THE CONTRACT. ANY EROSION OR SHOULDER SHALL BE CORRECTED BY THE CONTRACTOR AT HIS EXPENSE. DUE TO UNANTICIPATED EVENTS, THE ENGINEER MAY DIRECT THE USE OF CONTROL FEATURES OR METHODS OTHER THAN THOSE INCLUDED IN THE ORIGINAL CONTRACT. IN SUCH EVENT THIS ADDITIONAL WORK WILL BE PAID FOR AS UNFORESEASABLE WORK.

SOIL STABILIZATION SHALL INCLUDE FURNISHING AND APPLYING LIME, FERTILIZER, SEED AND MULCH TO ALL AREAS WHICH HAVE BEEN DISTURBED. THE CONTRACTOR SHALL PROVIDE GRASS CAPABLE OF STABILIZING SOIL. GRASSING, SODDING, COMMERCIAL FERTILIZER, WATERING ARE TO BE IN ACCORDANCE WITH FDOT STANDARDS FOR ROAD AND BRIDGE CONSTRUCTION SECTION 981, 982 AND 983.

- SOD SHALL BE PROVIDED AS SHOWN ON THE PLANS, INCLUDING BUT NOT LIMITED TO, UTILITY CONSTRUCTION, SLOPES AND AREAS ASSOCIATED WITH THE WET RETENTION AREAS, SWALES. ALL CONSTRUCTION METHODS SHALL CONFORM TO THE REQUIREMENTS OF SECTION 578, DOT SPECIFICATIONS, FOR ARGENTINE BAHIA SOD AND SHALL INCLUDE WATERING UNTIL THE EARTHWORK IS COMPLETED WITH A 60 DAY MINIMUM WARRANTY UNLESS NOTED TO BE SODDED.
- HYDROSEEDING, SEED, FERTILIZER AND MULCH SHALL BE INSTALLED AT ALL AREAS DISTURBED DURING CONSTRUCTION THAT ARE NOT SCHEDULED TO BE SODDED AS PER THE CONSTRUCTION PLANS. HOWEVER, AREAS DISTURBED OUTSIDE THE NORMAL LIMITS OF CONSTRUCTION AS DETERMINED BY THE ENGINEER, SHALL BE SEED, FERTILIZED AND MULCHED AT THE CONTRACTOR'S EXPENSE.
- POLLUTION CONTROL:** WATER POLLUTION AND TURBIDITY CONTROL SHALL BE REQUIRED BY THE CONTRACTOR IN ACCORDANCE WITH THE DEPARTMENT OF ENVIRONMENTAL PROTECTION STANDARDS, LOCAL REGULATIONS AND SECTION 104, FDOT REQUIREMENTS INCLUDING BUT NOT LIMITED TO ONE OR MORE OF THE FOLLOWING OPTIONS: SHEETPILE OR EARTH COFFERDAM, HAY BALES, SEDIMENT BASIN, SILT FENCE, OR TURBIDITY BARRIER. EXCAVATED MATERIAL SHALL NOT BE DEPOSITED IN CANALS, PRESERVE AREAS OR IN A POSITION CLOSE ENOUGH THERETO, TO BE WASHED AWAY BY HIGH WATER OR RUNOFF.

ALL LANDSCAPING AREAS SHALL BE IN ACCORDANCE WITH MARTIN COUNTY LAND DEVELOPMENT REGULATIONS.

- RECORD DRAWINGS:** AFTER FINAL ACCEPTANCE OF THE CONTRACT WORK, BUT PRIOR TO SUBMITTAL OF THE REQUEST FOR FINAL PAYMENT, THE CONTRACTOR SHALL PROVIDE FINAL RECORD DRAWINGS TO THE OWNER OF THE IMPROVEMENTS. THE RECORDING DRAWINGS SHALL ALSO BE SUBMITTED DIGITALLY IN AUTOCAD / .DWG FORMAT. THE RECORD DRAWINGS SHALL BE PREPARED IN ACCORDANCE WITH THE REQUIREMENTS OF THE F.D.O.T., F.D.E.P., S.F.W.M.D. AND MARTIN COUNTY, AND SHALL INCLUDE, BUT NOT BE LIMITED TO, THE FOLLOWING:

THE FINAL LOCATION, BY REFERENCE TO AT LEAST TWO COMPLETED VISIBLE IMPROVEMENTS OR OTHER PERMANENT POINTS, OF ALL PAVING AND DRAINAGE ELEMENTS, AND SHALL INCLUDE ELEVATIONS OF PERTINENT POINTS IN THE PAVEMENT AND DRAINAGE IMPROVEMENTS, ALL REVISIONS TO THE ORIGINAL PLANS, VERIFICATION OF ALL DESIGN DIMENSIONS, ELEVATIONS, PIPE SLOPES, PIPE LENGTHS, INLETS AND CONTROL STRUCTURES LOCATION AND ELEVATIONS AND ALL OTHER INFORMATION NECESSARY TO HORIZONTALLY AND VERTICALLY LOCATE AND OPERATE THE IMPROVEMENTS CONSTRUCTED UNDER THIS CONTRACT.

DRAWINGS SHALL INCLUDE:

- INDICATION OF ANY CHANGES OR VERIFICATIONS GET MARKED
- INDICATION OF ALL "PROPOSED" OR "CONSTRUCTED"
- CHANGES TO LOCATIONS OF PIPE, VALVES, FITTINGS OR MANHOLES, ETC.
- A DETAIL BOX OF ANY SUBSTANTIAL CHANGES
- ALL ELEVATIONS FOR MANHOLES AND LIFT STATIONS
- ALL GRADES AND FOOTAGE ON SANITARY RUNS

THE CONTRACTOR SHALL PROVIDE FIVE SETS OF RECORD DRAWING PRINTS, ONE DIGITAL COPY AND ONE COPY OF CERTIFIED FIELD NOTES TO THE OWNER THAT ARE SIGNED AND SEALED BY A FLORIDA REGISTERED LAND SURVEYOR.

- DEWATERING:** DEWATERING FOR BORROW POND CONSTRUCTION SHALL BE PER THE CONDITIONS IN THE DEWATERING PLAN OBTAINED BY FPL.

EROSION AND ADDITIONAL GENERAL NOTES:

- SEDIMENT BARRIERS SHALL BE PLACED PRIOR TO ANY WORK ON THE SITE. SEDIMENT BARRIERS SHALL BE PLACED AS DEPICTED AS SHOWN ON THESE CONSTRUCTION PLANS.
- WETLAND AND NETLAND BUFFER AREAS ARE TO REMAIN UNDISTURBED. VEHICLE AND CONSTRUCTION EQUIPMENT TRAFFIC IS PROHIBITED WITHIN THESE AREAS.
- DAMAGED TURBIDITY CONTROLS SHALL BE REPAIRED PROMPTLY AND BEFORE ANY SUBSEQUENT RAINFALL.
- TURBIDITY CONTROLS SHALL REMAIN IN PLACE AND MAINTAINED AND REMOVED ONLY AFTER UPLAND CONSTRUCTION AREAS HAVE BEEN STABILIZED AS APPROVED BY THE ENGINEER OF RECORD.
- CONTRACTOR SHALL COMPLY WITH NODDS AND EPA DISCHARGE ELIMINATION PERMIT, IN PARTICULAR SEDIMENT AND EROSION CONTROL AND STORM WATER MANAGEMENT MEASURES SHALL BE STRICTLY FOLLOWED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR THE PREPARATION AND IMPLEMENTATION OF THE NODDS AND RELATED STORM WATER PLAN FOR THE DURATION OF THE PROJECT. UPON COMPLETION THE CONTRACTOR SHALL REMOVED ALL TEMPORARY STORM WATER MANAGEMENT MEASURES AND SHALL DISPOSE OF THEM AS REQUIRED.
- DISTURBED PORTIONS OF THE SITE WHERE CONSTRUCTION ACTIVITY TEMPORARILY CEASES FOR AT LEAST 21 DAYS SHALL BE STABILIZED WITH SEED & MULCH NO LATER THAN 14 DAYS FROM THE LAST CONSTRUCTION ACTIVITY IN THAT AREAS. THE SEEDING SHALL FOLLOWING TYPICAL CONSTRUCTION PRACTICES TO INSURE A YEAR ROUND STABILIZED AREA.
- CONTRACTOR SHALL COMPLY WITH SPILL PREVENTION, CONTROL AND COUNTER MEASURES (SPCC) REQUIREMENTS PURSUANT TO EPA RULES AND REGULATIONS.
- ALL CONSTRUCTION WASTE MATERIAL, INCLUDING BUT NOT LIMITED TO THE EXISTING BARRIERS, FENCING AND POSTS, SHALL BE COLLECTED AND STORED IN A SECURED METAL DUMPSTER RENTED / LEASED FROM A LOCAL WASTE MANAGEMENT COMPANY. THE DUMPSTER SHALL MEET ALL STATE AND STATE SOLID WASTE MANAGEMENT REGULATION. ALL PERSONNEL SHALL BE INSTRUCTED REGARDING THE CORRECT PROCEDURES FOR WASTE DISPOSAL. NOTICES STATING THESE PRACTICES SHALL BE POSTED IN THE OFFICE TRAILER / CONSTRUCTION TRAILER AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR SEEING THAT THESE PROCEDURES ARE FOLLOWED.
- ALL SANITARY WASTE SHALL BE COLLECTED FROM THE PORTABLE UNITS AT A MINIMUM OF ONCE PER WEEK BY A LICENSED SANITARY WASTE MANAGEMENT CONTRACTOR.
- TRUCKS / EQUIPMENT IMPORTING OR EXPORTING FILL SHALL COVER THEIR TIRES WITH A TARPALIN TO AVOID UNNECESSARY DUST DURING TRAVEL.
- ALL HAZARDOUS MATERIAL SHALL BE DISPOSED OF AS PER LOCAL / STATE REGULATIONS OR AS RECOMMENDED BY THE MANUFACTURER. SITE PERSONNEL SHALL BE INSTRUCTED IN THESE PRACTICES AND THE CONTRACTOR IS RESPONSIBLE TO FOLLOW THESE PRACTICES.
- CONTRACTOR ALSO TO MINIMIZE DUST DURING CONSTRUCTION WITH THE USE OF WATER TRUCKS AND OR OTHER APPROVED METHODS. WATER TRUCK OR APPROVED METHOD ARE REQUIRED TO BE UTILIZED AS REQUIRED BY WEATHER CONDITIONS, TYPICALLY ONCE PER DAY.
- THE GENERAL CONTRACTOR'S SITE SUPERINTENDENT SHALL SELECT INDIVIDUALS, TYPICALLY THREE, WHO WILL BE RESPONSIBLE FOR INSPECTIONS, MAINTENANCE AND REPAIR ACTIVITIES AND FILLING OUT OF INSPECTION REPORTS. PERSONNEL SELECTED SHALL BE RECEIVE PROPER TRAINING, AT THE CONTRACTORS EXPENSE, PRIOR TO SITE CONSTRUCTION COMMENCEMENT.
- ALL EROSION AND SEDIMENTATION CONTROLS SHALL BE INSPECTED EVERY 7 DAYS OR WITHIN 24 HOURS OF A STORM OF 0.5 INCHES OR MORE IN RAINFALL. ALL CONTROLS MUST BE IN PROPER ORDER AS REQUIRED UNTIL SITE COMPLETION.
- SILT FENCE SHALL BE INSPECTED FOR TENS, DEPTH OF SEDIMENT, AND TO INSURE THE FENCE IS SECURELY FASTENED TO THE POSTS AND ALSO THAT POSTS ARE FIRMLY IN PLACE. SEDIMENT SHALL BE REMOVED IF THE DEPTH OF SEDIMENT IS GREATER THAN ONE-THIRD THE HEIGHT OF THE SILT FENCE.
- THE INSPECTOR SHALL RECORD ANY DAMAGES OR DEFICIENCIES IN THE TURBIDITY CONTROLS IN THE REPORT FORM FOR THIS PURPOSE. A COPY OF ALL RECORDING AND REPORTS SHALL BE FORWARDED TO THE ENGINEER FOR REVIEW.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING THE SWPPP AND NPDES APPLICABLE PERMITS SUBMITTALS/REPORTS AND SUBMITTAL IN THEIR ENTIRETY. COPIES OF EACH REPORT ARE TO BE FORWARDED TO BOTH THE CLIENT AND BOYLE.
- ELEVATIONS REFERENCED TO NAVD 88 UNLESS OTHERWISE NOTED.
- FPL SHALL ASSUME RESPONSIBILITY FOR THE MAINTENANCE OF THE STORMWATER FACILITIES WITHIN FPL PROPERTY UPON COMPLETION AND AFTER THE PROJECT IS COMPLETED.
- SOD SHALL BE PLACED SUCH THAT THE TOP OF THE GRASS IS AT THE SAME ELEVATION AS THE TOP OF THE ADJACENT COMPACTED FILL.
- THE STORMWATER MANAGEMENT DESIGN IS BASED ON SPVAD CRITERIA.
- ALL WORK AND CONTRACTOR ACTIVITIES SHALL BE PERFORMED IN COMPLIANCE WITH THE FPL WITH THE FPL SAFETY PLAN, FPL SAFE AND SECURE WORKPLACE POLICY, AND FPL ENVIRONMENTAL RULES FOR CONTRACTORS.
- ALL IMPORTED FILL AND ALL FILL MATERIAL REUSED ONSITE SHOULD COMPLY WITH FPL CLEAN FILL CRITERIA.
- CONTRACTOR TO REMOVE ALL FENCING, FENCE POSTS, STRUCTURES AND RELATED DEBRIS

TO BE COMPLETED BY CONTRACTOR AND PREPARER OF NPDES CONSTRUCTION STORM WATER POLLUTION PREVENTION PLAN

CONTRACTOR CERTIFICATION:

" I CERTIFY UNDER PENALTY OF LAW THAT I UNDERSTAND, AND SHALL COMPLY WITH, THE TERMS AND CONDITIONS OF THE STATE OF FLORIDA GENERIC PERMIT FOR STORM WATER DISCHARGE FROM LARGE AND SMALL CONSTRUCTION ACTIVITIES AND THIS STORM WATER POLLUTION PREVENTION PLAN PREPARED THEREUNDER.

NAME	TITLE	COMPANY NAME, ADDRESS AND PHONE NO.	DATE

PREPARER'S CERTIFICATION:

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

NAME (OPERATOR AND/OR RESPONSIBLE AUTHORITY)	DATE

GENERAL SEQUENCE OF MAJOR EVENTS:

- INSTALL SILT FENCE AT LOCATIONS SHOWN ON THE CONSTRUCTION PLANS.
- COMMENCE SITE CONSTRUCTION ACTIVITIES.
- AS PROPOSED INLETS ARE CONSTRUCTED, INSTALL SILT FENCE AND/OR TURBIDITY CONTROL MEASURES AT EACH.
- INSTALL TEMPORARY SEED AND MULCH IN AREAS WHERE CONSTRUCTION TEMPORARILY CEASES FOR AT LEAST 21 DAYS, NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITIES IN THAT AREA.
- INSTALL PERMANENT SEED/MULCH OR APPROVED STABILIZATION METHOD AND/OR PLANTING IN AREAS WHERE CONSTRUCTION ACTIVITIES HAVE BEEN COMPLETED NO LATER THAN 14 DAYS AFTER THE LAST CONSTRUCTION ACTIVITIES.
- REMOVE ACCUMULATED SEDIMENT.
- REMOVED TEMPORARY POLLUTION PREVENTION MEASURES AFTER ALL CONSTRUCTION ON SITE HAS BEEN COMPLETED AND DISPOSED OF MATERIALS ACCORDING TO APPLICABLE FDEP REGULATIONS AND/OR LOCAL GOVERNMENTAL CODES, ETC.

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