

RECEIVED
CLERK'S
FINANCIAL SERVICES
NASSAU COUNTY, FL

CHANGE ORDER APPROVAL FORM

PROJECT: CR121 Pond Reconstruction CHANGE ORDER NUMBER: 01
DATE: 11/09/10
CONTRACT NUMBER: CM16

TO CONTRACTOR: Northpointe Services, Inc.

Reason for Change Order: Plan sheet 13 revision dated 10/16/10 (pond size and configuration changes) and discovery of highly organic material at existing pond bottom.

Original Contract Sum.....	\$	<u>132,955.75</u>
Net Change by Previous Change Order/Supplemental Agreement.	\$	<u>.00</u>
Contract Sum Prior to This Change Order.....	\$	<u>132,955.75</u>
Amount of This Change Order (Add/Deduct).....	\$	<u>(27.65)</u>
New Contract Sum Including this Change Order.....	\$	<u>132,928.10</u>

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CONTRACT MANAGEMENT
2010 NOV 24 PM 2:10
10 NOV 29 PM 3:47

APPROVED BY: [Signature] DATE: 11/22/10
Project Manager (Department Head)

APPROVED BY: [Signature] DATE: 11-17-10
Contract Manager

APPROVED BY: [Signature] DATE: 12-4-10
Director of Office of Management & Budget

APPROVED BY: [Signature] DATE: 12/6/10
County Manager

OK 11/10/10

SECTION 00 63 63

CHANGE ORDER REQUEST FORM

PROJECT: CR 121 Pond Reconstruction

No. 1

DATE OF ISSUANCE: 11/9/10

EFFECTIVE DATE: 11/9/10

NASSAU COUNTY BOARD OF COUNTY COMMISSIONERS

COUNTY Contract / Purchase Order No.: CM1653/11000002-01

CONTRACTOR: Northpointe Services, Inc.

ENGINEER / ARCHITECT: Ayres Associates

You are directed to make the following changes in the Contract Documents.

Description: See Attached

Reason for Change Order: Plan Sheet 13 Revision dated 10/16/10 (pond size & configuration changed) and discovery of highly organic material at existing pond bottom.

Attachments: (List documents supporting change)

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CONTRACT MANAGEMENT
2010 NOV 16 AM 11:00

<p>CHANGE IN CONTRACT PRICE:</p> <p>Original Contract Price</p> <p>\$ <u>132,955.75</u></p>	<p>CHANGE IN CONTRACT TIMES:</p> <p>Original Contract Times</p> <p>Substantial Completion: <u>60</u></p> <p>Ready for Final Payment: <u>105</u> (days or dates)</p>
<p>Net change from previous Change Orders No. <u>n/a</u> to No. <u>n/a</u></p> <p>\$ <u>0.00</u></p>	<p>Net change from previous Change Orders No. <u>n/a</u> to No. <u>n/a</u></p> <p><u>0</u> (days)</p>
<p>Contract Price prior to this Change Order</p> <p>\$ <u>132,955.75</u></p>	<p>Contract Times Prior to this Change Order</p> <p>Substantial Completion: <u>60</u></p> <p>Ready for Final Payment: <u>105</u> (days or dates)</p>
<p>Net Increase (decrease) of this Change Order</p> <p>\$ <u>(27.65)</u></p>	<p>Net Increase (decrease) of this Change Order</p> <p><u>0</u> (days)</p>
<p>Contract Price with all approved Change Orders</p> <p>\$ <u>132,928.10</u></p>	<p>Contract Times with all approved Change Orders</p> <p>Substantial Completion: <u>60</u></p> <p>Ready for Final Payment: <u>105</u> (days or dates)</p>

RECOMMENDED:

By: [Signature]
Engineer/Architect (Authorized Signature)

Date: 11/5/10

APPROVED:

By: [Signature]
COUNTY (Authorized Signature)

Date: 11/4/10

ACCEPTED:

By: [Signature]
Contractor (Authorized Signature)

Date: 11/9/10

NORTHPOINTE SERVICES, INC. BID
CR 121 POND RECONSTRUCTION - CHANGE ORDER PRICE SUMMARY
10/29/2010

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
100	TAKEN OUT OF CONTRACT				
101	EMBANKMENT	(3898.00)	CY	3.15	(\$12,278.70)
102	EXCAVATION	(2198.00)	CY	3.15	(\$6,923.70)
103	SUBSOIL EXCAVATION	(2603.00)	CY	3.15	(\$8,199.45)
104	CLASS II CONCRETE	(1.20)	CY	310.00	(\$372.00)
105	STEEL	(10.00)	LB	1.45	(\$14.50)
106	EROSION CONTROL MATTING	(297.00)	SY	4.30	(\$1,277.10)
107	SOIL TRACKING PREVENTION DEVICE	(1.00)	LS	2,500.00	(\$2,500.00)
	Subtotal				(\$31,565.45)
200	ADDED INTO CONTRACT				
201	15" RCP	30	LF	36.00	1,080.00
202	CONSTRUCTION OF GRASS WEIR	1	LS	1,000.00	1,000.00
203	RE-STAKEOUT OF POND LIMITS BY SURVEYOR	1	LS	2,200.00	2,200.00
204	EQUIPMENT & WORKERS IDLE	1	LS	0.00	0.00
205	EXCAVATION AND REMOVAL AS NEEDED	9,732	CY	1.65	16,057.80
206	IMPORT FILL FOR EMBANKMENT	3,120	CY	2.50	7,800.00
207	RELOCATION OF WEIR-COMPLETE	1	LS	3,400.00	3,400.00
	Subtotal				31,537.80

← credit

← new cost

(\$ 31,565.45)
 + \$ 31,537.80

 (\$27.65) *(Pw)*

CR 121 POND RECONSTRUCTION - CHANGE ORDER NO. 1 PAY ITEM SUMMARY
11/2/2010

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	DELETE FROM CONTRACT				
104-15	SOIL TRACKING PREVENTION DEVICE	(1.00)	LS	2,500.00	\$ (2,500.00)
120-1	EXCAVATION	(11930.00)	CY	3.15	\$ (37,579.50)
120-4	SUBSOIL EXCAVATION	(2603.00)	CY	3.15	\$ (8,199.45)
120-6	EMBANKMENT	(7018.00)	CY	3.15	\$ (22,106.70)
400-2-1	CLASS II CONCRETE	(49.00)	CY	310.00	\$ (15,190.00)
415-1-5	STEEL	(530.00)	LB	1.45	\$ (768.50)
-	EROSION CONTROL MATTING	(2983.00)	SY	4.30	\$ (12,826.90)
	Subtotal				\$ (99,171.05)

ITEM	DESCRIPTION	QUANTITY	UNIT	UNIT PRICE	AMOUNT
	ADD INTO CONTRACT				
120-1A	EXCAVATION AND REMOVAL AS NEEDED	9,732.00	CY	4.80	\$ 46,713.60
120-6A	IMPORT FILL FOR EMBANKMENT	3,120.00	CY	5.65	\$ 17,628.00
400-2-1A	CLASS II CONCRETE	47.80	CY	310.00	\$ 14,818.00
415-1-5	STEEL	520.00	LB	1.45	\$ 754.00
430-174-101	15" RCP	30.00	LF	36.00	\$ 1,080.00
-	EROSION CONTROL MATTING	2686.00	SY	4.30	\$ 11,549.80
Add 1	CONSTRUCTION OF GRASS WEIR	1.00	LS	1,000.00	\$ 1,000.00
Add 2	RE-STAKEOUT OF POND LIMITS BY SURVEYOR	1.00	LS	2,200.00	\$ 2,200.00
Add 3	RELOCATION OF WEIR-COMPLETE	1.00	LS	3,400.00	\$ 3,400.00
	Subtotal				\$ 99,143.40

	\$	(99,171.05)
	\$	99,143.40
Total Change =	\$	(27.65)

By: 
 Carrie Smithheart, ETM

Date: 11/2/10

**BID TAB
CR 121 POND RECONSTRUCTION PROJECT
BID NO. NC10-031**

	1	101-1	MOBILITATION	LS	1	6500.0000	\$6,500.00
	2	102-1	MAINTENANCE OF TRAFFIC	LS	1	1200.0000	\$1,200.00
	3	104-10-2	SYNTHETIC BALES	EA	6	15.0000	\$90.00
	4	104-12	STAKED TURBIDITY BARRIER-NYLON REINFORCED PVC	LF	60	7.0000	\$420.00
	5	104-13-1	STAKED SILT FENCE (TYPE III)	LF	1,949	0.8500	\$1,656.65
*	6	104-15	SOIL TRACKING PREVENTION DEVICES	EA	1	2500.0000	\$2,500.00
	7	110-1-1	CLEARING AND GRUBBING	AC	3.3	1100.0000	\$3,630.00
***	8	120-1	REGULAR EXCAVATION	CY	11,930	3.1500	\$37,579.50
****	9	120-6	EMBANKMENT	CY	7,018	3.1500	\$22,106.70
*	10	120-4	SUBSOIL EXCAVATION	CY	2,603	3.1500	\$8,198.45
XXX	11	400-2-1	CLASS II CONCRETE (CONTROL STRUCTURE)	CY	49	310.0000	\$15,190.00
**	12	415-1-5	REINFORCED STEEL (SUBSTRUCTURE)	LB	530	1.4500	\$768.50
XXX	13	430-174-101	PIPE CULVERT (OPT MATL) (ROUND) (UP TO 24") (SIDE DRAIN)	LF	98	36.0000	\$3,528.00
	14	430-174-201	PIPE CULVERT (OPT MTL) (ELLIPTICAL) (UP TO 24") (SIDE DRAIN)	LF	41	58.0000	\$2,378.00
	15	430-984-125	MITERED END SECTION (OPTIONAL ROUND) (18" SD)	EA	4	250.0000	\$1,000.00
	16	430-984-629	MITERED END SECTION (OPTIONAL ELLIPTICAL) (19"X30" SD)	EA	2	500.0000	\$1,000.00
	17	530-3-4	RIPRAP RUBBLE	TN	1.6	125.0000	\$200.00
	18	570-1-2	PERFORMANCE TURF (SOD POND)	SY	4,141	1.8500	\$7,660.85
	19	570-1-2	SEED AND MULCH	SY	2,928	0.4000	\$1,171.20
**	20		PROPEX LANDLOK 450 (EROSION CONTROL FOR POND SIDE SLOPES)	SY	2,983	4.3000	\$12,826.90
	21	700-20-40	SINGLE SIGN POST, RELOCATE	AS	2	75.0000	\$150.00
	22		WOOD DOCK REPLACEMENT	AS	1	3200.0000	\$3,200.00
TOTAL:							\$132,955.75

TOTAL AMOUNT (ITEMS 1 to 21)

\$132,955.75

(Figures)

One Hundred Thirty Two Thousand Nine Hundred Fifty Five Dollars and Seventy Five Cents
(Use Words)

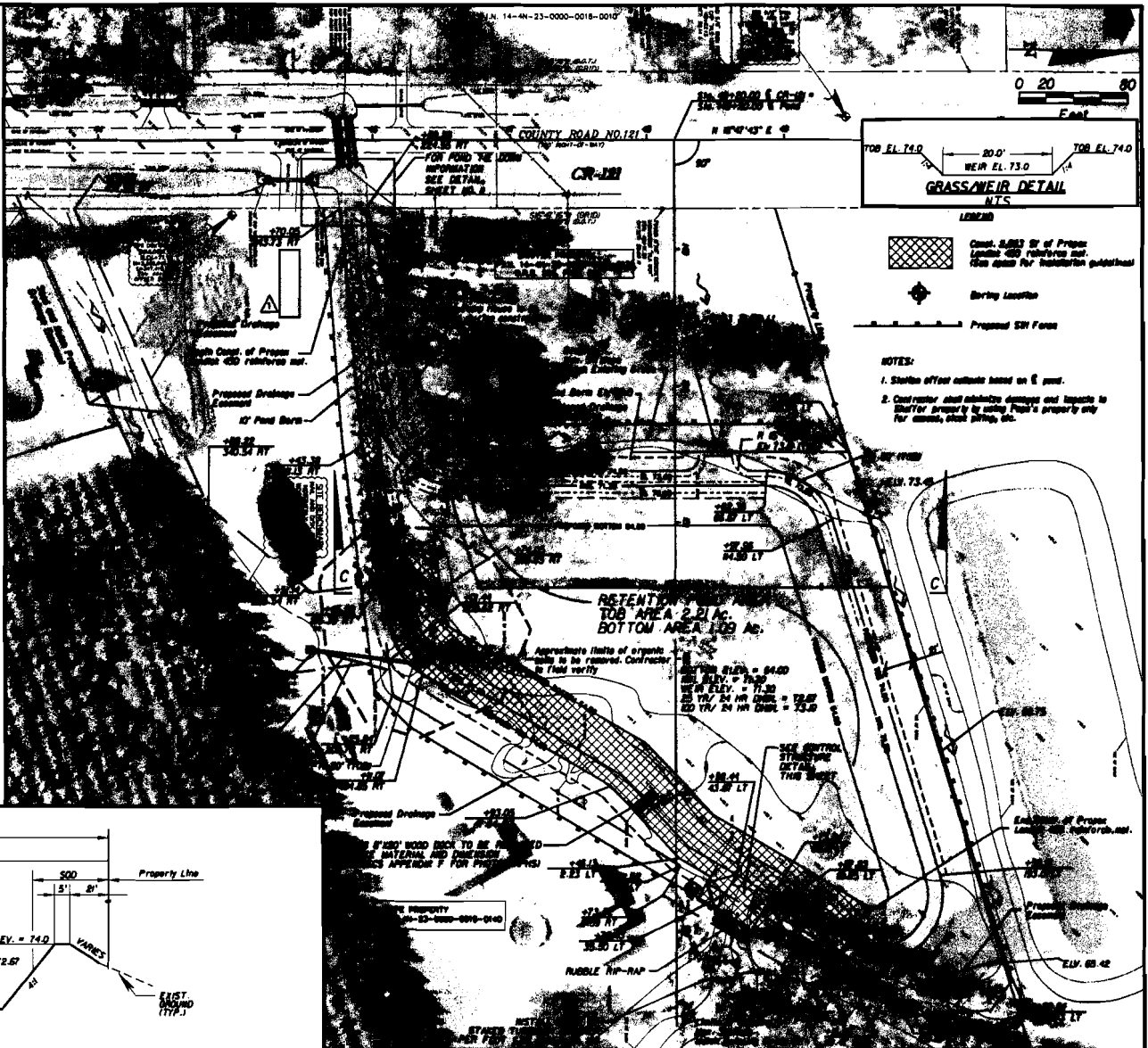
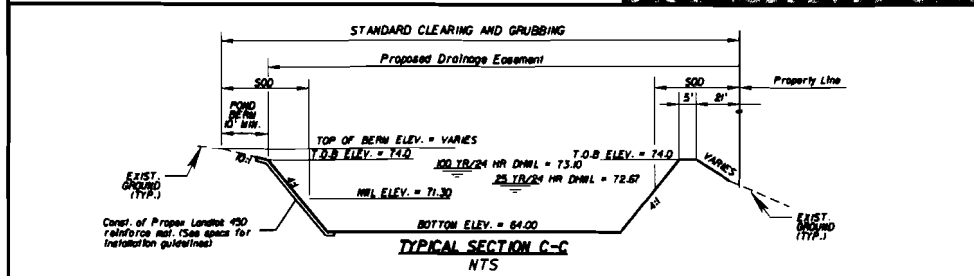
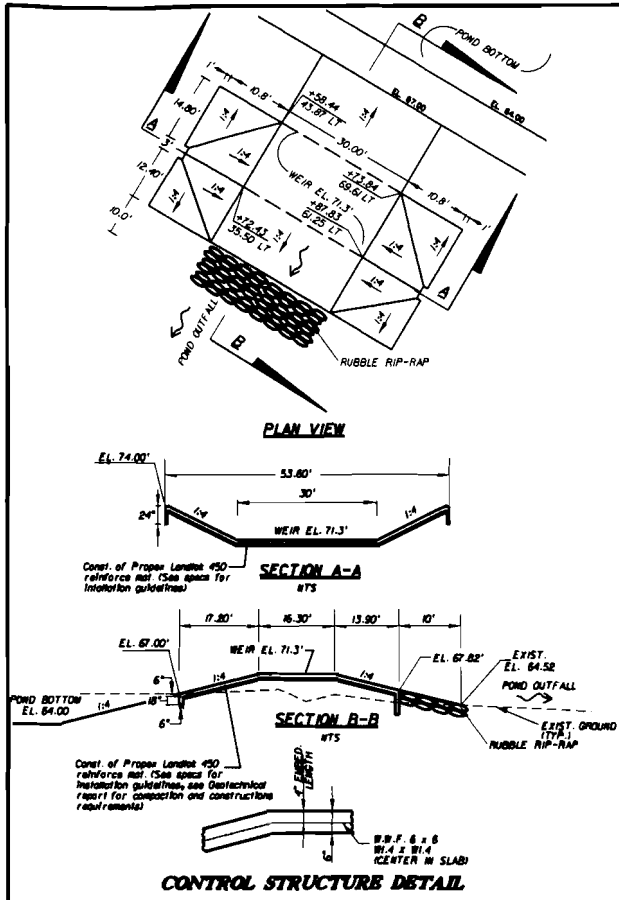
* Items That will NOT BE USED, THEREFORE will be deleted from Contract. (COW)

** Items That will BE under RUN

*** Items will BE over RUN

**** Items TO BE REPRICED BY CONTRACTOR DUE TO EXISTING HIGHLY ORGANIC MATL.
Section 00 41 15-4 (Revised: Addendum No. 3)

(COW)



REVISIONS	
DATE	DESCRIPTION
07/19/10	RELOCATION OF THE S.T.P.D.
10/16/10	RELOCATION OF PROPOSED TUB REVERSE PIPE INVERTS AND LOCATION

AYRES ASSOCIATES

5820 Shell Road
 Suite 200-3
 Jacksonville, Florida 32217
 (904) 260-6808
 Engineering Business No. 4356
 Engineer of Record
 Dory Myers
 P.E. No. 6786

NASSAU COUNTY, FLORIDA
ENGINEERING SERVICES DEPARTMENT

ROAD NO. **CR 121**

AYRES PROJECT ID **30-1708.00**

CR 121 DRAINAGE/POND DESIGN
RETENTION POND DETAIL

SHEET NO. **13**



Carrie Smithheart

From: Castro, Jose [CastroJ@AyresAssociates.com]
Sent: Thursday, October 21, 2010 4:04 PM
To: Carrie Smithheart
Cc: Jonathan Page; Myers, Daryl
Subject: RE: CR 121 Pond-Redesign

Revised approximate quantities are as follows :

110-1-1 Clearing and Grubbing = 3.2 Ac. ←
 120-1 Regular Excavation = 9,732 C.Y.
 120-6 Embankment = 3,120 C.Y.
 400-2-1 Class II Concrete (Control Structure) = 47.8 C.Y.
 415-1-5 Reinforced Steel (Substructure) = 520 LB.
 430-174-101 Pipe Culvert (Opt Matl) (Up to 24") (Side Drain) = 127 L.F.
 570-1-2 Performance Turf (Sod Pond) = 3,990 S.Y. ←
 Propex Landlok 450 (Erosion Control) = 2,686 S.Y.

① ORIGINAL PLAN AREA of
 3.3 ACRES ALREADY CLEARED,
 PAY ORIGINAL CONTRACT AMOUNT of
 3.3 AC. (CA)

SAME NOTE AS #1
 Item IS MEASURED QNTY,
 WILL PAY WHAT IS INSTALLED,
 NO NEED TO ADJUST ORIGINAL
 PLAN QNTY. (CA)

Item 570-1-2 Seed and Mulch does not change.

As indicated on the specs Section 00 41 15-5 pay item quantities are provided for information purpose only.

Thanks

Jose G Castro
 Transportation - Site Civil Designer

Ayres Associates
Sustainable solutions since 1959

5220 Shad Road, Suite 200-3
 Jacksonville, FL 32257
 Phone 904.260.6288
 Fax 904.262.5536
 CastroJ@AyresAssociates.com
 www.AyresAssociates.com

From: Carrie Smithheart [mailto:SmithheartC@etminc.com]
Sent: Wednesday, October 20, 2010 11:02 AM
To: Castro, Jose
Cc: Myers, Daryl; Kent Ponder; Shelley Caldwell; Scott Herring; Jonathan Page
Subject: RE: CR 121 Pond-Redesign
Importance: High

Jose,

Since the size of just about everything shrank, shouldn't we see changes in almost all of the pay items. Please see the attached Highlighted pay items that should be reviewed for changes, those that are *d you have already provided. Please let me know what the New totals should be for the project as it relates to these items.

Thank you,

11/3/2010

Carrie Smithheart
CEI/ Project Administrator



England-Thimys & Miller, Inc.

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14775 Old St. Augustine Road • Jacksonville, Florida 32258

Direct: 904-642-8990 Fax: 904-642-4165
Cell: 904-509-9007 Email: SmithheartC@etminc.com

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From: Castro, Jose [mailto:CastroJ@AyresAssociates.com]
Sent: Wednesday, October 20, 2010 10:35 AM
To: Carrie Smithheart; Jonathan Page
Cc: Myers, Daryl; Kent Ponder; Shelley Caldwell; Scott Herring
Subject: RE: CR 121 Pond-Redesign

Attached please find PDF/Cadd file for the revised "Retention Pond Detail Sheet", respond to comments provided by Carrie Smithheart (ETM) /Jonathan Page (County) and revised quantities.

Comment : Please verify the north invert of the 15" RCP pipe run has sufficient cover. In addition, the north invert needs to be relocated approximately 20' to the west to avoid a large diameter tree that is to remain. Please include any additional pipe that will be required to make this adjustment and keep the MES in the pond slope as originally intended. Also, since the MES is shallow, please look at the need for Riprap at this location if so indicated by flow calcs.

Respond : Invert elevation, pipe length and north MES were revised to provide additional cover and to avoid conflict with existing tree, RipRap and/or energy dissipaters are not applicable due to low velocities in the proposed drainage system. The pipe invert elevation is 71.7 and the pond NWL is 71.3.

Comment : Due to the relocation of the north MES we feel it will be necessary to add concrete slope pavement on the east bank of the existing swell ditch at the south MES to eliminate any under mining and potential wash outs.

Respond : The proposed pipe was adjusted slightly to align with the existing one to provide a more continuous (straighter) flowpath for runoff. Due to the amount of runoff coming to this pipe we don't feel that concrete ditch pavement is necessary.

Comment : At the 20' wide grass/weir, please review flow calcs to verify that RipRap will not be necessary at this location.

Respond : Proposed west weir will provide inflow to the pond for the runoff only from Shaffer property, this parcel has significant pervious surface, as such low velocity/runoff are anticipated.

Comment : One final comment the contractor asked if we had considered/need any riprap or erosion protection where the "ditch" "dumps" into the pond on a 1:4 slope due to the sandy soil conditions in the pond...

Respond : Longitudinal profile along the proposed ditch is 0.016 Ft/Ft, Normal Water Level El. 71.30 is estimated to be at the east section of the ditch, therefore "dumps" and/or hydraulic jumps are not anticipated based on proposed pond contours. The proposed ditch is to be part of the proposed pond.

Revised quantities are as follows :

11/3/2010

120-1 Regular Excavation = 9,732 C.Y.
120-6 Embankment = 3,120 C.Y.
430-174-101 Pipe Culvert (Opt Matl) (Up to 24") (Side Drain) = 127 L.F.

Thanks.

Jose G Castro
 Transportation - Site Civil Designer

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 Jacksonville, FL 32257
 Phone 904.260.6288
 Fax 904.262.5536
 CastroJ@AyresAssociates.com
 www.AyresAssociates.com

From: Carrie Smithheart [mailto:SmithheartC@etminc.com]
Sent: Tuesday, October 19, 2010 1:24 PM
To: Castro, Jose
Cc: Myers, Daryl; Carrie Smithheart; Jonathan Page; Kent Ponder; Shelley Caldwell; Scott Herring
Subject: RE: CR 121 Pond-Redesign
Importance: High

Jose,

Please see the attached revised plan sheet with comments.

Please verify the north invert of the 15" RCP pipe run has sufficient cover. In addition, the north invert needs to be relocated approximately 20' to the west to avoid a large diameter tree that is to remain. Please include any additional pipe that will be required to make this adjustment and keep the MES in the pond slope as originally intended. Also, since the MES is shallow, please look at the need for RipRap at this location if so indicated by flow calcs.

Due to the relocation of the north MES we feel it will be necessary to add concrete slope pavement on the east bank of the existing swell ditch at the south MES to eliminate any under mining and potential wash outs.

At the 20' wide grass/weir, please review flow calcs to verify that RipRap will not be necessary at this location.

Once your review and final version of the plan revision is complete, please include all necessary pay item adjustments in your correspondence for review by Nassau County. Once received we will begin preparation of the Change Order.

Thank you in advance for your assistance,

Carrie Smithheart
 CEI/ Project Administrator



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14775 Old St. Augustine Road • Jacksonville, Florida 32258

Direct: 904-642-8990 Fax: 904-642-4165
 Cell: 904-509-9007 Email: SmithheartC@etminc.com

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11/3/2010

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From: Carrie Smithheart
Sent: Monday, October 18, 2010 3:42 PM
To: 'Castro, Jose'; Jonathan Page; Kent Ponder; Shelley Caldwell; Scott Herring
Cc: Myers, Daryl
Subject: RE: CR 121 Pond-Redesign
Importance: High

Jose,

Do you have new quantities? and did you have a chance to check with Daryl on the status of RFI No. 1 response.

Thanks,

Carrie Smithheart
 CEI/ Project Administrator



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From: Castro, Jose [mailto:CastroJ@AyresAssociates.com]
Sent: Monday, October 18, 2010 2:09 PM
To: Jonathan Page; Carrie Smithheart; Kent Ponder; Shelley Caldwell; Scott Herring
Cc: Myers, Daryl
Subject: RE: CR 121 Pond-Redesign

Please email me ASAP any comments you have.

Thanks

Jose G Castro
 Transportation - Site Civil Designer

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Sustainable solutions since 1959

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 Jacksonville, FL 32257
 Phone 904.260.6288
 Fax 904.262.5536
 CastroJ@AyresAssociates.com
 www.AyresAssociates.com

11/3/2010

From: Myers, Daryl
Sent: Monday, October 18, 2010 1:17 PM
To: Castro, Jose
Subject: FW: CR 121 Pond-Redesign

FYI...

From: Jonathan Page [mailto:jpage@nassaucountyfl.com]
Sent: Monday, October 18, 2010 1:11 PM
To: Carrie Smithheart; Kent Ponder
Cc: Scott Herring; Shelley Caldwell; Jonathan Page; Myers, Daryl
Subject: RE: CR 121 Pond-Redesign

Looks like it addresses our concerns to me, how about you guys? Maybe need some rip-rap at the outfall of that MES feeding the pond? We also have no cover if the invert is one tenth below the TOB. In fact we have a protrusion? That is in the maintenance area too. Maybe Daryl can drop that invert to 71 or 72 and decide if he needs Rip-Rap or not based on the computed flow there in the 25 year storm.

Please take a look ASAP as we need to get our comments to AYERS asap.

Thanks!

Jonathan Page, P.E.
Engineer III
Engineering Services Dept.
96161 Nassau Place
Yulee, FL 32097
(904) 491-7330
jpage@nassaucountyfl.com

From: Castro, Jose [mailto:CastroJ@AyresAssociates.com]
Sent: Monday, October 18, 2010 10:39 AM
To: Jonathan Page; Myers, Daryl; Carrie Smithheart
Cc: Kent Ponder; Shelley Caldwell; Scott Herring
Subject: RE: CR 121 Pond

Attached please find revised "Retention Pond Detail" sheet and AutoCAD file. Proposed TOB North/East/West limits were relocated, Grass/Weir was included to accept west site drainage.

Please let me know if you have any additional questions.

Thanks

Jose G Castro
Transportation - Site Civil Designer

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11/3/2010