

**Coral Springs  
Improvement District**

**Agenda**

**October 19, 2015**



## Coral Springs Improvement District

October 12, 2015

Board of Supervisors  
Coral Springs Improvement District

Dear Board Members:

The regular meeting of the Board of Supervisors of the Coral Springs Improvement District will be held on October 19, 2015 at 4:00 p.m. at the District Offices, 10300 NW 11<sup>th</sup> Manor, Coral Springs, Florida. Following is the advance agenda for the meeting.

1. Roll Call
2. Approval of the Minutes of the September 21, 2015 Meeting
3. Audience Comments
4. Consideration of Right-of-Way Permits for Comcast Communications, LLC
  - A. Installation of 6" PVC Bridge Attachment at Canal L-106 at the West Side of University Drive
  - B. Installation of 6" PVC Bridge Attachment at Canal L-106 at the East Side of University Drive
5. Staff Reports
  - A. Manager – Ken Cassel
  - B. Engineer – Troy Lyn (Report Included)
  - C. Department Reports
    - Operations – Dan Daly
      - Utility Billing Work Orders
    - Water – Ed Stover (Report Included)
    - Wastewater – Tim Martin (Report Included)
    - Stormwater – Randy Frederick (Report Included)
    - Field – Curt Dwiggin (Report Included)
      - Missile Bores
      - Water Break Report
    - Human Resources – Jan Zilmer
    - Motion to Accept Department Reports
  - D. Attorney
6. Approval of Financial Statements for September 2015
7. Supervisors' Requests
8. Adjournment

Any supporting documents not included in the agenda package will be distributed at the meeting. If you have any questions prior to the meeting, please contact me.

Sincerely,  


Kenneth Cassel/sd  
District Manager

cc: Stephen Bloom	Randy Frederick	Kay Holmes
Andy Bauman	Troy Lyn	Beverley Servé
Dan Daly	John McKune	Ed Stover
David McIntosh	Diane Rottner	Shawn Frankenhauser

# MINUTES

**MINUTES OF MEETING  
CORAL SPRINGS IMPROVEMENT DISTRICT**

A regular meeting of the Board of Supervisors of the Coral Springs Improvement District was held on Monday, September 21, 2015 at 4:00 p.m. at the District Office, 10300 NW 11<sup>th</sup> Manor, Coral Springs, Florida.

Present and constituting a quorum were:

Martin Shank	President
Duane Holland	Vice President
Nick St. Cavish	Secretary

Also present were:

Kenneth Cassel	District Manager
Andrew Bauman	District Counsel
Dan Daly	Director of Operations
Troy Lyn	District Engineer
Kay Holmes	District Accountant
Jan Zilmer	Human Resources
David McIntosh	Director of Utilities
Ed Stover	Water Department
Randy Frederick	Drainage
Shawn Frankenhauser	Drainage
John McKune	Consultant

*The following is a summary of the minutes and actions taken during the September 21, 2015 CSID Board of Supervisors Meeting.*

**FIRST ORDER OF BUSINESS**

**Roll Call**

Mr. Cassel called the meeting to order and called the roll.

**SECOND ORDER OF BUSINESS**

**Approval of the Minutes of the August 17, 2015 Meeting**

Mr. Shank stated each Board member received a copy of the minutes of the August 17, 2015 meeting and requested any corrections, additions or deletions.

One change was made on Page nine, which will be reflected in the amended copy of the minutes.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the minutes of the August 17, 2015 meeting were approved as amended.

**THIRD ORDER OF BUSINESS**

**Audience Comments**

There being none, the next item followed.

**FOURTH ORDER OF BUSINESS**

**Consideration of Analytical Laboratory Services from Florida Spectrum Environmental Services, Inc., Piggybacking off of a Collier County Contract**

This is for laboratory analysis of water samples.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor the contract with Florida Spectrum Environmental Services, Inc. was approved.

**FIFTH ORDER OF BUSINESS**

**Consideration of GIS Contract with Florida Technical Consultants Piggybacking Off of a Cooper City Contract**

Mr. Daly reviewed the GIS contract with Florida Technical Consultants and explained staff will be trained on the system.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the GIS contract with Florida Technical Consultants was approved.

**SIXTH ORDER OF BUSINESS**

**Consideration of LMK Contract Piggybacking Off of North Miami Beach**

Mr. Daly reviewed two proposals from LMK for lining of mainlines and laterals: one piggybacking off of North Miami Beach and the other piggybacking off of Plantation. The total cost for both proposals is \$1,290,717. This is included in the budget and will be paid under *renewal and replacement*.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the LMK contract was approved at an amount not to exceed \$1.3 Million.

**SEVENTH ORDER OF BUSINESS**

**Consideration of Aquatic Chemical Bids**

Mr. Frederick reviewed the bid tabulation for aquatic chemical bids.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor the chemical bids were awarded, as recommended by staff, to the lowest bidders indicated on the bid tabulation sheet.

**EIGHTH ORDER OF BUSINESS**

**Public Hearing to Adopt the Water and Sewer Budget – Resolution 2015-11**

The public hearing was opened. There being no comments from the public,

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the public hearing was closed.

The Board reviewed the proposed water and sewer budget and the following was discussed:

- *Capital Outlay* under *Field Operations* was increased due to the lining project and rehabilitation of one of the lift stations.
- *Contract Utility Billing Services* under revenue is decreasing because the District is no longer providing services to NSID.
- *Capital Outlay* under *Plant Operations* was increased due to possible engineering and attorney costs relating to a potential Interlocal Agreement with Margate as well as other projects. It is a specific project budget line; therefore, the amounts will vary yearly.

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor Resolution 2015-11, adopting the water and sewer budget for Fiscal Year 2016, was adopted.

**NINTH ORDER OF BUSINESS**

**Staff Reports**

**A. Manager – Ken Cassel**

Mr. Cassel reported the following:

- The settlement with CH2M Hill is being finalized and they will be sending a check to the District in the approximate amount of \$506,000. The District will send CH2M Hill a check in the amount of \$149,000.
- The Coral Springs Fire Chief contacted Mr. Cassel. The City is looking to relocate a fire station to Lakeview Park and is requesting modifications to the

terms and conditions related to the deed for Lakeview Park. Mr. Cassel sent a letter to Mr. Dönmez stating the District is willing to work with the City, but needs the City’s cooperation on several items: FROG ordinance, payment of utility bills in the mall, facilities and water fountains at Three Mountains Park and a copy of the GIS mapping for fire hydrants within the District. Mr. Dönmez has not responded, but the Fire Chief provided the GIS mapping of the fire hydrants.

- There was Board consensus to wait for a response from Mr. Dönmez.

- **Consideration of Resolution 2015-12, Adopting a Records Retention Policy**

This is a housekeeping item. There was discussion regarding adopting the State GS1-SL schedule versus keeping all records permanently.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor Resolution 2015-12, adopting the GS1-SL retention schedule as the record retention policy, was adopted.

**B. Engineer – Troy Lyn (Report Included)**

Mr. Lyn reviewed the Project Status Report, a copy of which is attached hereto and made a part of the public record.

**C. Department Reports**

- **Operations – Dan Daly**
  - **Utility Billing Work Orders**

This item is for informational purposes only.

Mr. Daly reported the following:

- The City received a letter complementing CSID staff.
- There was discussion regarding the high quote to install plants for the butterfly garden.
- Staff have provided positive feedback on the Board of Supervisors and their acknowledgement/appreciation of staff’s work.
- Mr. Holland noted the Utility Billing Work Orders indicate a 30% improvement over the last two years.

- **Water – Ed Stover (Report Included)**

A copy of the report was included in the agenda package and is attached hereto as part of the public record.

- **Wastewater – Tim Martin (Report Included)**

A copy of the report was included in the agenda package and is attached hereto as part of the public record.

- **Stormwater – Randy Frederick (Report Included)**

A copy of the report was included in the agenda package and is attached hereto as part of the public record.

- **Field – Curt Dwiggin (Report Included)**

A copy of the report was included in the agenda package and is attached hereto as part of the public record.

- **Human Resources – Jan Zilmer**

Mr. Zilmer reported the following:

- Tomorrow is the last day of the fiscal year for payroll.
- Self-evaluations are going well and providing good feedback.

- **Motion to Accept Department Reports**

On MOTION by Mr. St. Cavish seconded by Mr. Holland with all in favor the department reports were accepted.

**D. Attorney**

- **Consideration of Resolution 2015-13, Providing for the Provision of Certain Insurance Benefits to Board Members and their Spouses**

Mr. Bauman reported the following:

- He reviewed Resolution 2015-13 providing health insurance benefits for Supervisors and their spouses.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor Resolution 2015-13, providing for the provision health insurance benefits, was adopted.

- A letter was sent to an attorney representing the property owner of Ramblewood Plaza regarding a water pipe.



- A letter was sent out to the City of Coral Springs pursuant to the court ruling regarding the fire special assessment tax.
- In review of the 10% water tax by the City, Mr. Bauman found that Chapter 166.231 allows any municipality to levy a tax on the purchase of water service. The tax cannot exceed 10% of the payments received. The statute applies whether the City is providing the water service or not.
- He confirmed aviaries are not an approved use on the property with regard to beekeeping. It would require a zoning change or a special acceptance use.
- He revised Resolution 2015-10 to include a section indicating the District will adopt a verification and enforcement policy. The enforcement policy is attached as an exhibit.

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor Resolution 2015-10, prohibiting unauthorized disposal of fats, oils and greases, was adopted.

**TENTH ORDER OF BUSINESS**

**Approval of Financial Statements for August 2015**

There being no questions or comments,

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the financial statements were approved.

**ELEVENTH ORDER OF BUSINESS**

**Supervisors' Request**

The following was discussed:

- Mr. Shank thanked Mr. Daly for organizing the picnic.
- Mr. Shank requested a workshop to discuss succession planning. There was consensus to have a workshop on October 14, 2015 at 2:00 p.m.
- Mr. St. Cavish commended Mr. Cassel on working to get money back from CH2M Hill.

**TWELFTH ORDER OF BUSINESS**

**Adjournment**

There being no further business,

On MOTION by Mr. Holland seconded by Mr. St. Cavish with all in favor the meeting was adjourned.

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Kenneth Cassel  
Assistant Secretary

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Martin Shank  
President

## **Fourth Order of Business**

**4A.**

# APPLICATION FOR PERMIT

<p><b>TO: BOARD OF SUPERVISORS</b>  <u>CORAL SPRINGS IMPROVEMENT DISTRICT</u>  <b>10300 N.W. 11th Manor</b>  <b>Coral Springs, FL 33071</b></p>	<p><b>PERMIT TYPE:</b>  <b>(Check one or both)</b>  <input checked="" type="checkbox"/> <b>RIGHT-OF-WAY</b>  <input type="checkbox"/> <b>SURFACE WATER MANAGEMENT</b></p>
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1.	PROPOSED USE OF DISTRICT FACILITY: <u>INSTALLATION OF 6" PVC BRIDGE ATTACHMENT</u>						
2.	LOCATION OF WORK: <u>CANAL L-106 AT THE WEST SIDE OF N UNIVERSITY DR</u>						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">Subdivision</td> <td style="width: 33%; border: none;">Lot No.</td> <td style="width: 33%; border: none;">Block No.</td> </tr> <tr> <td style="border: none;">Section: <u>28</u></td> <td style="border: none;">Township: <u>48</u></td> <td style="border: none;">Range: <u>41</u></td> </tr> </table>	Subdivision	Lot No.	Block No.	Section: <u>28</u>	Township: <u>48</u>	Range: <u>41</u>
Subdivision	Lot No.	Block No.					
Section: <u>28</u>	Township: <u>48</u>	Range: <u>41</u>					
3.	DISTRICT WORKS INVOLVED IN PROPOSED CONSTRUCTION OR USE: _____						
4.	NAME, ADDRESS, PHONE AND FAX OF OWNER OF PROPOSED WORK OR STRUCTURE: <u>Comcast Communications LLC, 2501 SW 145TH AVE, Miramar, Fl., 33027</u> <u>(954) 447-8405 (Leonard Maxwell-Newbold)</u>						
5.	NAME, ADDRESS, PHONE AND FAX OF APPLICANT OTHER THAN OWNER (If any): <u>RAYSA GOMEZ, 2498 EAGLE RUN DR, WESTON FL 33326, (786)-564-9490</u> <u>ccw-es-10</u>						
6.	AREA PROPOSED TO BE SERVED: (Give property description sufficient for identification, including size in acres, and <b>attaching survey or property sketch</b> ). <u>BRIDGE OF CANAL L-106 AT THE WEST SIDE OF N UNIVERSITY DR</u>						
7.	This application, including sketches, drawings or plans and specifications attached, contains a full and complete description of the work proposed or use desired of the above described facilities of the District and for which permit is herewith applied. It shall be part of any permit that may be issued. It is agreed that all work or the use of the District's facilities involved will be in accordance with the permit to be granted and with the Permit Criteria Manual heretofore adopted by the District, which have been examined and are understood by the applicant and as the same may be hereafter from time to time amended, changed or revised and which (it is further understood) shall be incorporated in reference as a part of any permit which may be granted.						

**STANDARD CONDITIONS ARE AS FOLLOWS:**

5. In the event the DISTRICT wishes to obtain the ingress or egress to its property, easement or right of way affected by the permit issued pursuant to this application for any lawful District purpose, including but not limited to maintenance of any lake, canal or related water management infrastructure, the removal, demolition and reconstruction, if any, of the proposed work or structure permitted hereunder shall be at the sole expense of the owner or the owner's successors or assigns.
6. PERMITTEE, by acceptance of the permit, covenants and agrees that the DISTRICT, District Managers, district consultants and its successors shall be promptly indemnified, defended, protected, exonerated, and saved harmless by the Permittee from and against all expenses, liabilities, claims, demands, and proceedings incurred by or imposed on said District in connection with any claim, proceeding, demand, administrative hearing, suit, appellate proceeding, or other activity; including unfounded or "nuisance" claims, in which the District may become involved, or any settlement thereof, arising out of any operations under this permit, including use of canal water for irrigation purposes, damage to landscaping, paint damage to automobiles, buildings, or other structures, and any property damage or personal injuries, fatal or non-fatal, of any kind or character.
7. PERMITTEE agrees that during the course of construction, prior to obtaining a Certificate of Occupancy on any structure constructed thereon, no builder debris will be placed into the waterways of the District.

For this purpose PERMITTEE has submitted a check in the amount of Two-Thousand Five Hundred Dollars (\$2,500.00) which PERMITTEE agrees to forfeit if debris is found to have been placed into the District's waterways; said determination to be at the sole discretion of the District and is acknowledged by PERMITTEE to represent both actual and punitive damages for violating the provisions of this permit and, further, the provisions of Chapter 298, Florida Statutes.

If construction of the facilities called for in this permit have not been completed, an additional Two Thousand Five Hundred Dollars (\$2,500.00) will be submitted by PERMITTEE to cover future occurrences of discharging builder debris into the District's waterways.

8. The applicant shall submit, in accordance with the policies of the District's "Stormwater Inspection Reports" every five years from the date of permit issuance, and shall comply with all re-inspection procedures required under the District's policies.

**SPECIAL CONDITIONS WILL BE ADDED WHEN APPLICABLE:**

Submitted this 28 day of August, 2015

Company and/or Owner: Comcast Communications LLC

By: Raysa Gomez

Name: Raysa Gomez

Title: Comcast-eco/Rep.

BOARD OF SUPERVISORS  
 Reviewed and approved by Board meeting held

**LOCATION MAP**



Know what's below.  
Call before you dig.

APPROVED BY COMCAST

LEONARD MAXWELL-NEUBOLD

STATE OF FLORIDA  
CORAL SPRINGS  
IMPROVEMENT DISTRICT

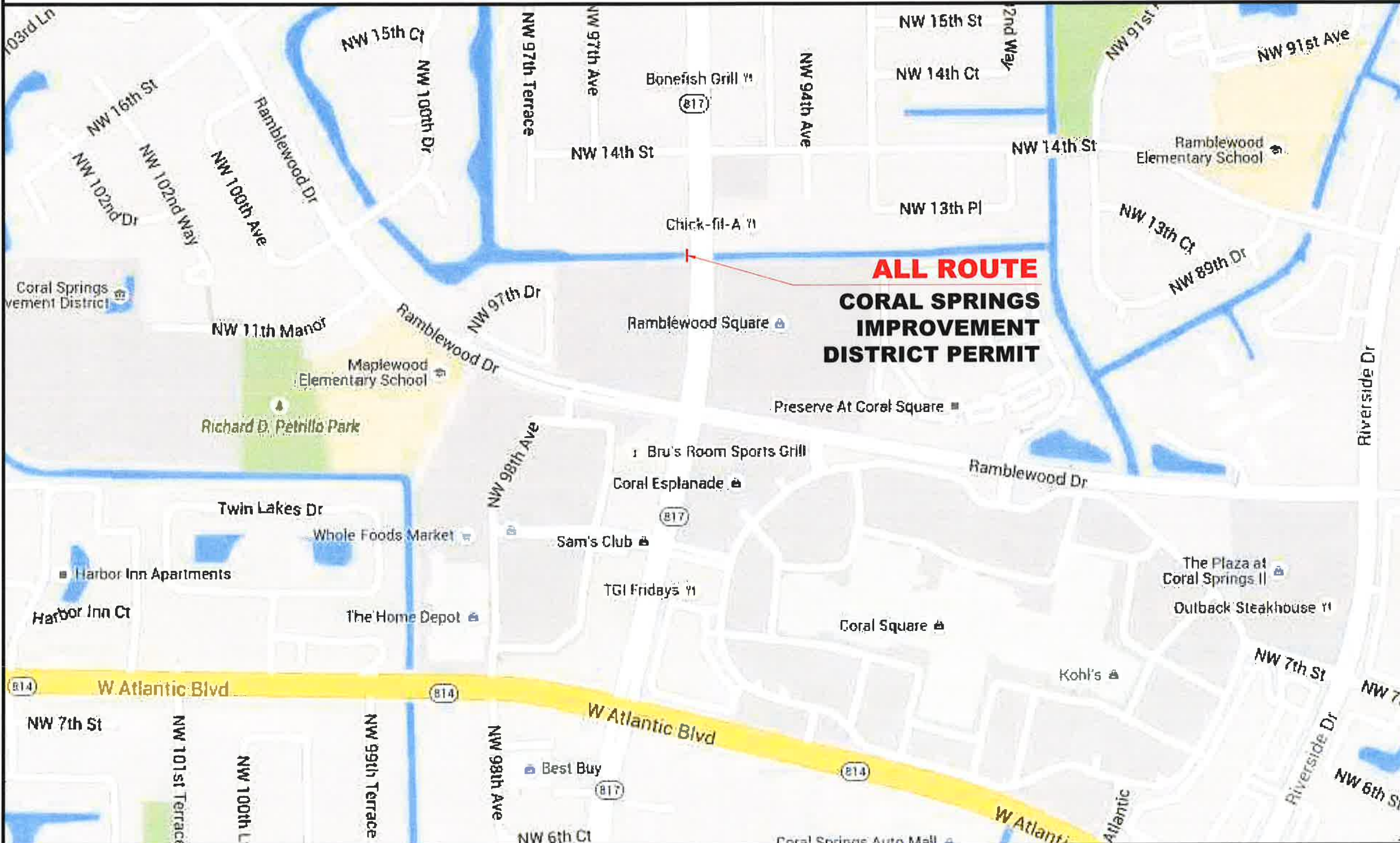
**INDEX OF SHEETS**

SHEET No	DESCRIPTION
COVER	COVER SHEET
001	PLAN VIEW & PICTURES
002	ELEVATION
	TYPICAL NOTES
	DETAILS
	GENERAL NOTES
	MOTS

**FOOTAGE DATA**

AERIAL	0'
TOTAL TRENCH	34'
TOTAL BORE	0'
TOTAL BRIDGE ATTACHMENT	66'
<b>TOTAL</b>	<b>100'</b>

TOWNSHIP: 48	RANGE: 41	SECTION: 28
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**ALL ROUTE  
CORAL SPRINGS  
IMPROVEMENT  
DISTRICT PERMIT**



The information provided in this Permit Drawing is exempt from public disclosure under section 815.045, F.S. Thus this permit drawing and contents herein may not be shared/distributed without the written permission of Comcast. Sharing such highly proprietary market information about our network, services and customers would cause us competitive harm.

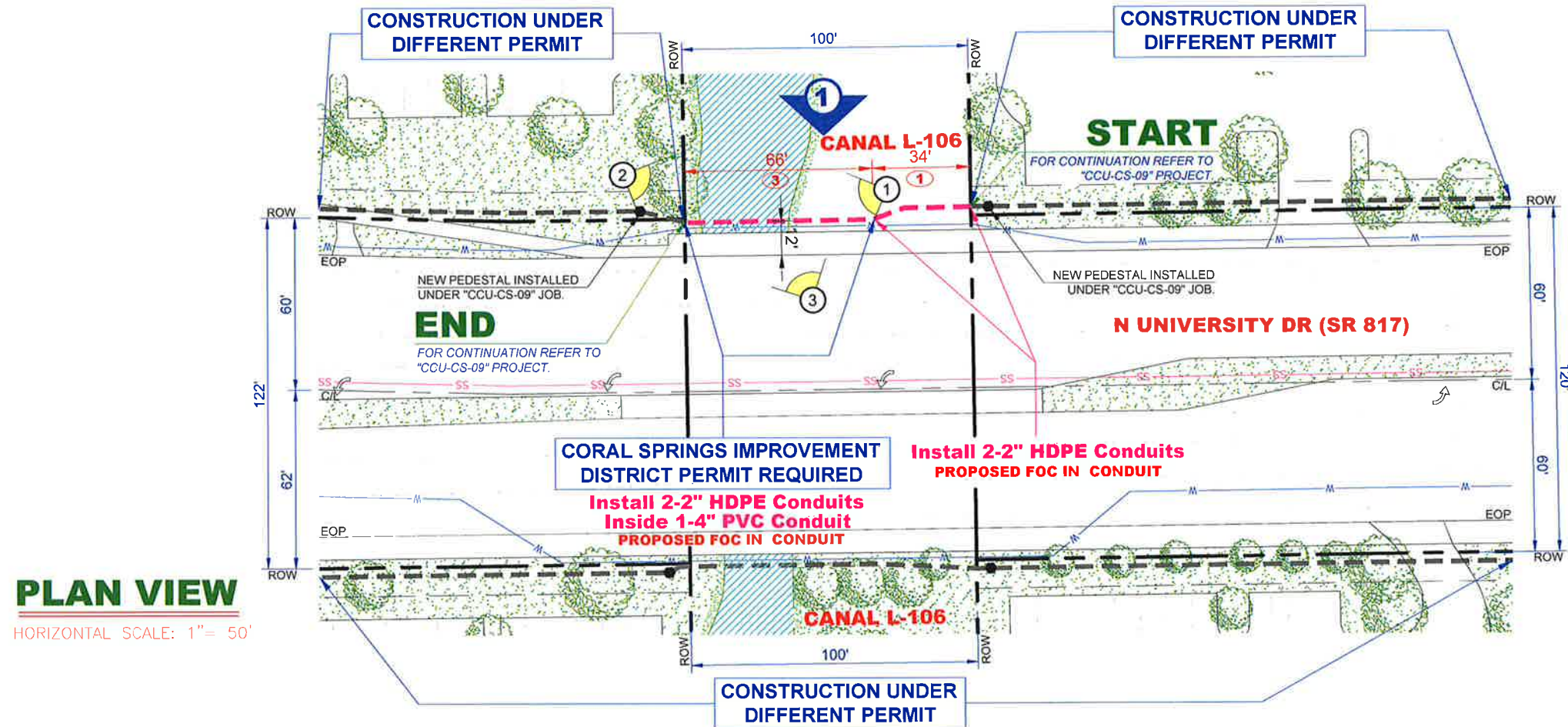
**UNDERGROUND & AERIAL, CATV CONSTRUCTION**

Rev	Date	Description
08.21.15		ORIGINAL SUBMITTAL

SCALE :	AS SHOWN
FILE NAME:	CCU-CS-10 - DESIGN.dwg
DATE :	AUGUST 2015
DRAWING :	DRAFTPROS INC
COMCAST TRACKING No :	<b>CCU-CS-10</b>

SHEET NUMBER:	<b>COVER</b>
LOCATION:	CANAL L106 (WEST SIDE) AND UNIVERSITY DR
PERMITTING AGENCY:	CORAL SPRINGS IMPROVEMENT DISTRICT
PROJECT:	<b>NEW BUILD</b>





**PLAN VIEW**  
HORIZONTAL SCALE: 1" = 50'



**PICTURE 1**



**PICTURE 2**



**PICTURE 3**

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**1** TRENCH GRASS AREA, INSTALL 2-2" HDPE CONDUITS WITH 40" MIN. COVER. RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION.

**2** DIRECTIONAL BORE, INSTALL 2-2" HDPE CONDUITS WITH 120" MIN COVER. RESTORE ALL SURFACES TO EQUAL CONDITION

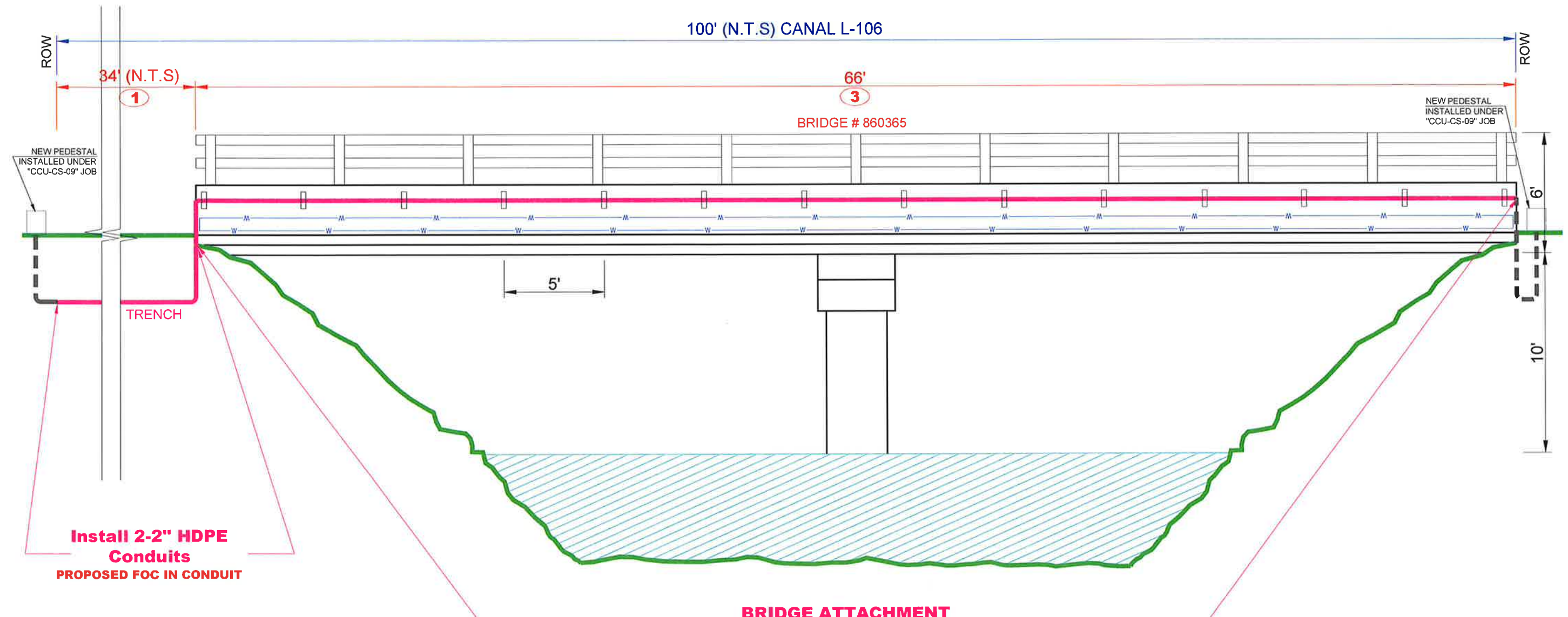
**3** BRIDGE ATTACHMENT, INSTALL 2-2" HDPE CONDUITS INSIDE 1-4" PVC CONDUIT ATTACHED TO BRIDGE

SCALE : 1" = 50"  
FILE NAME: CCU-CS-10 - DESIGN.dwg  
DATE : AUGUST 2015  
DRAWING : DRAFTPROS INC  
COMCAST TRACKING No : **CCU-CS-10**

SHEET NUMBER **001**  
LOCATION: CANAL L106 (WEST SIDE) AND UNIVERSITY DR  
PERMITTING AGENCY: CORAL SPRINGS IMPROVEMENT DISTRICT  
PROJECT: **NEW BUILD**







**ELEVATION 1**

HORIZONTAL SCALE: 1" = 8'

**BRIDGE ATTACHMENT  
PROPOSED 4" SCH-40 PVC CONDUIT  
ATTACHED TO BRIDGE PARAPET, USING  
4" (2) HOLE STAINLESS STEEL STRAPS  
WITH ANCHORS AT 5' O.C.C.  
PROPOSED FOC IN CONDUIT**



The information provided in this Permit Drawing is exempt from public disclosure under section 815.045, F.S. Thus this permit drawing and contents herein may not be shared/distributed without the written permission of Comcast. Sharing such highly proprietary market information about our network, services and customers would cause us competitive harm.

**1** TRENCH GRASS AREA, INSTALL 2-2" HDPE CONDUITS WITH 40" MIN. COVER, RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION.

**2** DIRECTIONAL BORE, INSTALL 2-2" HDPE CONDUITS WITH 120" MIN COVER, RESTORE ALL SURFACES TO EQUAL CONDITION

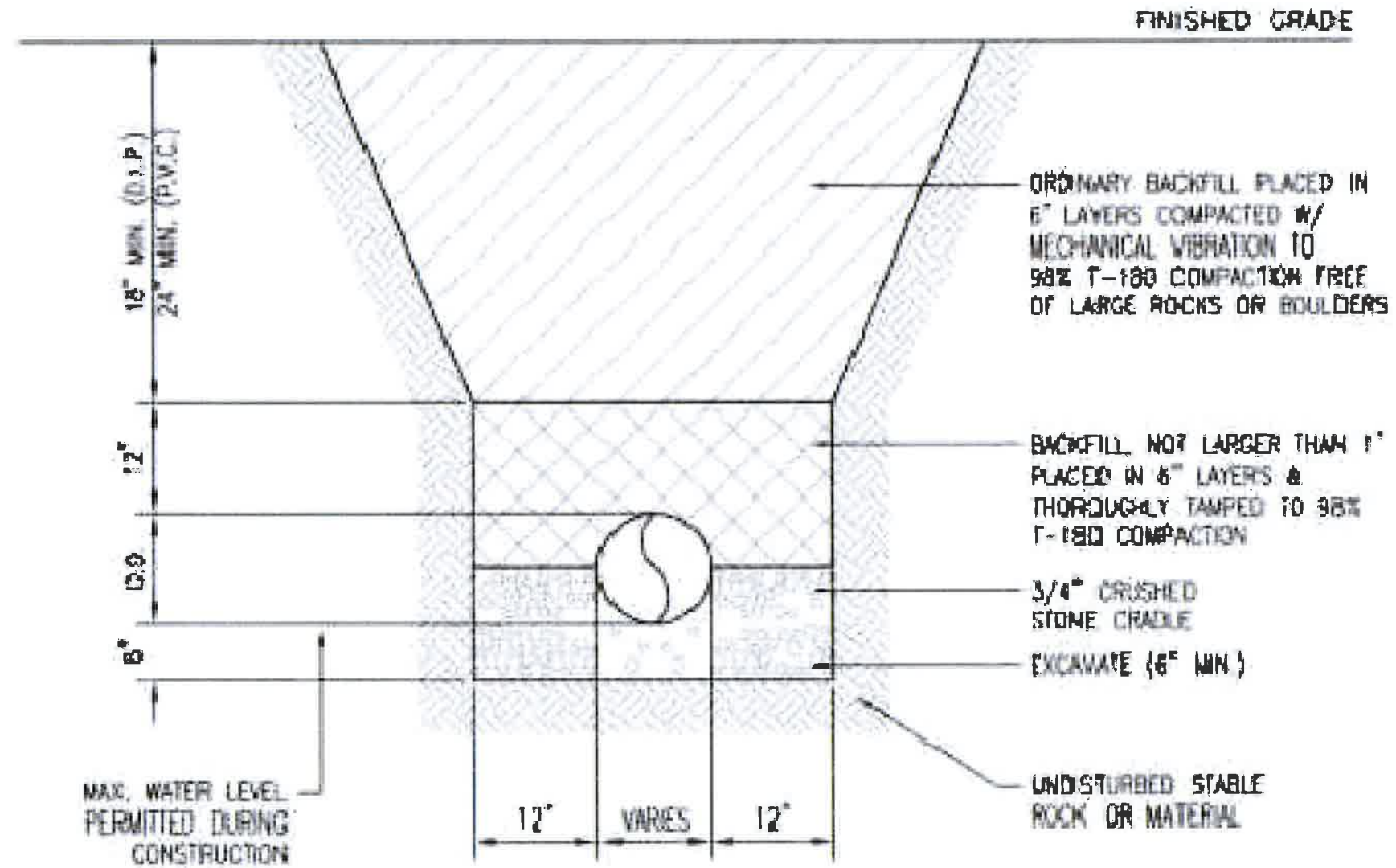
**3** BRIDGE ATTACHMENT, INSTALL 2-2" HDPE CONDUITS INSIDE 1-4" PVC CONDUIT ATTACHED TO BRIDGE

SCALE : 1" = 8'  
FILE NAME: CCU-CS-10 - DESIGN.dwg  
DATE : AUGUST 2015  
DRAWING : DRAFTPROS INC  
COMCAST TRACKING No :  
**CCU-CS-10**

SHEET NUMBER **002**  
LOCATION: CANAL L106 (WEST SIDE) AND UNIVERSITY DR  
PERMITTING AGENCY: CORAL SPRINGS IMPROVEMENT DISTRICT  
PROJECT: **NEW BUILD**



**TYPICAL DETAIL**  
**TRENCH DETAIL UNPAVED AREAS**



**NOTE:**

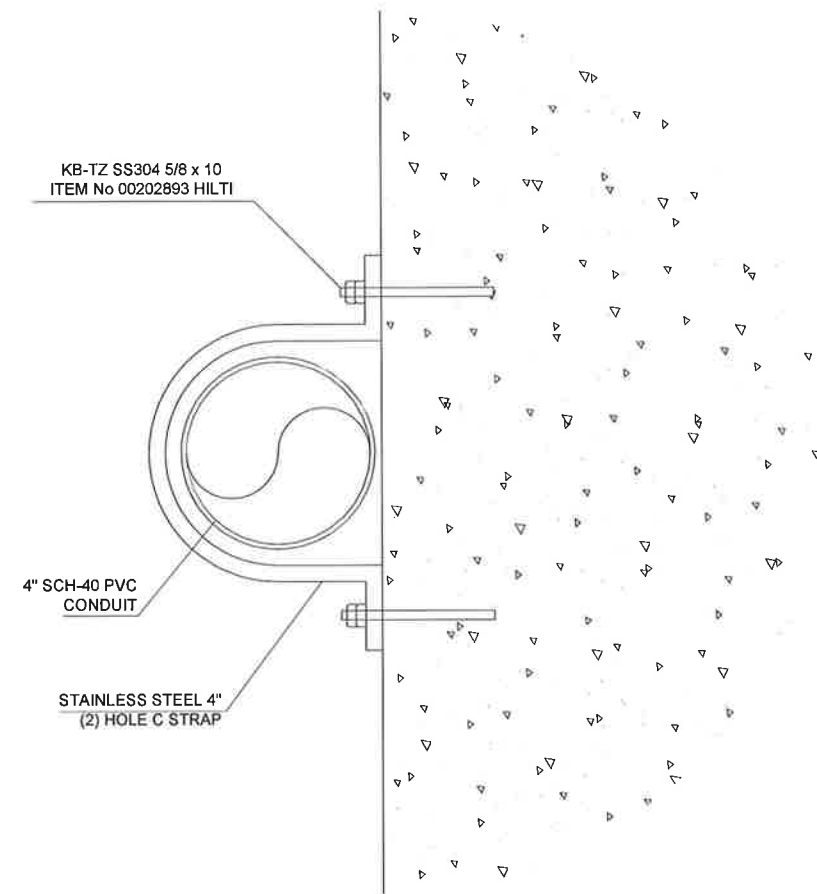
MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O.

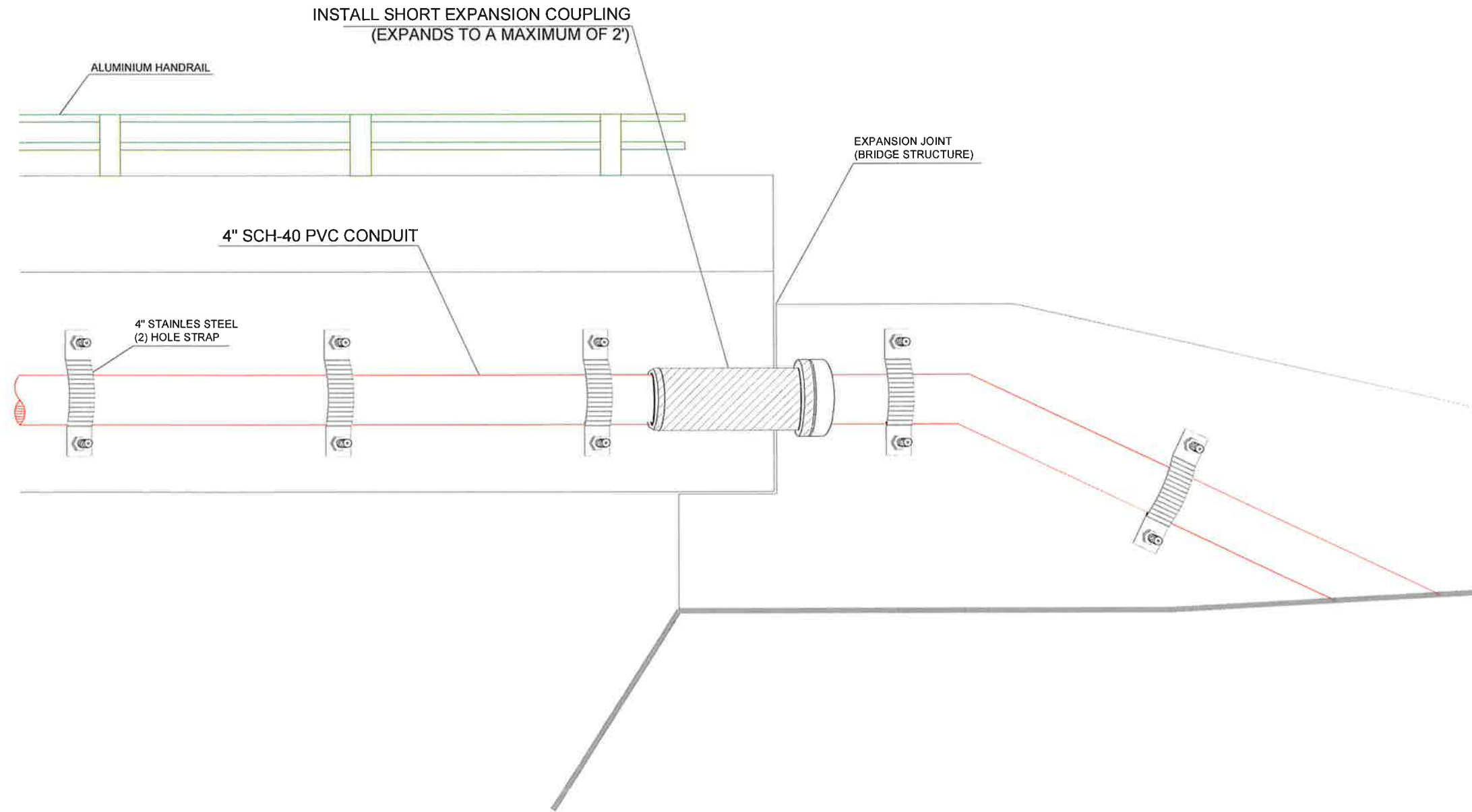
**GENERAL NOTES AND DETAILS**

# BRIDGE ATTACHMENT DETAIL


66' OF CONDUIT WOULD BE ATTACHED TO BRIDGE STRUCTURE

ATTACHMENT ONTO BRIDGE STRUCTURE SHALL HAVE ALL THE METALLIC PORTIONS OF THE ATTACHMENT HARDWARE (HANGERS, BOLTS, STRAPS, CONDUIT, ANCHORS, ETC) FABRICATED FROM 316 STAINLESS STEEL OR OTHER EQUAL MATERIAL





# Stainless Steel Mechanical Expansion Anchor



Hilti USA  
(866) 445-8827

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→ Catalog → Adhesive & Mechanical Anchoring → Metal → Kwik Bolt TZ Expansion Anchor → Stainless Steel Expansion Anchor Kwik Bolt TZ

**KB-TZ SS304 5/8 X 10: Item No.: 00202893**



→ Enlarge photo

Technical Data	
Anchor size	3/8 in. - 3/4 in.
Thread length	6 3/4 in.
Package Quantity	15
Drill bit diameter	5/8 in.
Drill bit diameter (Empac)	5/8 in.
Minimum Embedment Depth hnom	3 5/8 in.
Minimum Embedment Depth hnom (Empac)	3 5/8 in.
Thread length (Empac)	6 3/4 in.
Anchor Length	10 in.
Anchor size (Empac)	3/8 in. - 3/4 in.

**Online shopping**

Package quantity  
15

Number of packages

Add to cart

**2003 IBC**  
Compliant Anchor

**Hilti. Outperform. Outlast.**

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Hilti is registered trademark of Hilti Corp., FL-9454 Schaan, Principality of Liechtenstein © 2001 - 2007. Right of technical and programme changes reserved. S.E. S.O.

Item # 6

### Electrical Conductors versus Light Conductors

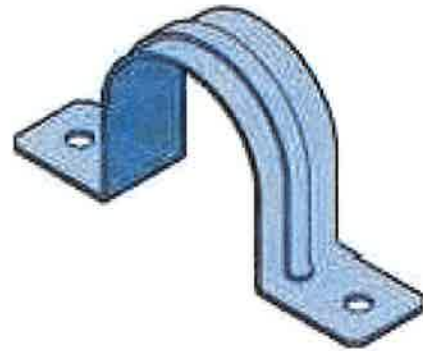
The amount of energy a fiber optic cable can carry is relatively small. Because of this, fiber optic cable is not used to transfer power. Because its very high frequency, however, fiber optic cable can transmit enormous amount of information this capability makes fiber optic generally better than electrical conductors for information systems. Both fiber optic cable and electrical conductors are used to transmit information. Only electrical conductors are used to transmit power

Item # 2

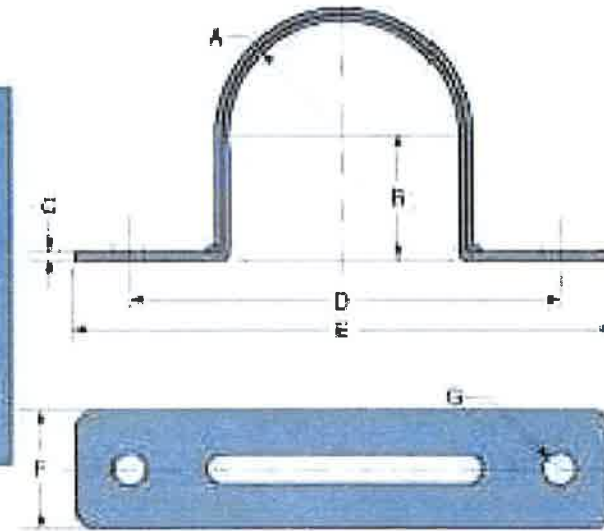
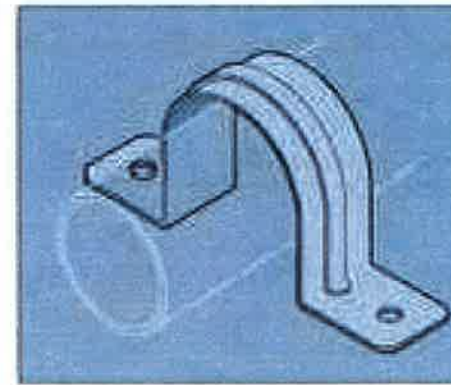
### Attachment Location

Utilities should be located beneath the cantilever portion of the bridge structure deck overhang. Locating the utility under the deck overhang is the best location because it minimize interference with bridge inspection and future girder maintenance.

## Two-Hole Strap



Straps made with 316SS fit pipe or rigid conduit. They are cleaned and polished to provide a bright finish and increased corrosion resistance.



Part Number	Pipe/Rigid Conduit (Inches)	Weight per 100 (lbs)	Dimensions (Inches)							
			A	B	C	D	E	F	G	
3038-2	3/8"	2	.35	.32	.024-.030	1.56	2.00	.50	.188	
3050-2	1/2"	2	.42	.39	.024-.030	1.78	2.25	.56	.188	
3075-2	3/4"	3	.52	.50	.024-.030	2.18	2.62	.62	.188	
3100-2	1"	4	.65	.62	.033-.038	2.53	3.20	.75	.250	
3125-2	1 1/4"	6	.83	.80	.033-.038	3.16	4.00	.87	.250	
3150-2	1 1/2"	9	.95	.92	.043-.050	3.37	4.20	.93	.250	
3200-2	2"	12	1.18	1.15	.043-.050	4.25	5.12	1.00	.375	
3250-2	2 1/2"	16	1.43	1.40	.053-.060	4.95	5.87	1.00	.375	
3300-2	3"	20	1.75	1.70	.053-.060	5.50	6.50	1.00	.375	
3350-2	3 1/2"	29	2.00	1.95	.068-.075	6.18	7.12	1.00	.437	
3400-2	4"	32	2.25	2.20	.068-.075	6.81	7.75	1.00	.437	

## Rigid Nonmetallic Conduit – Couplings

### Expansion Couplings

(For Use with Plus 40® and Plus 80®)

E945 series expansion couplings are designed to compensate for length changes due to temperature variations in exposed conduit runs.



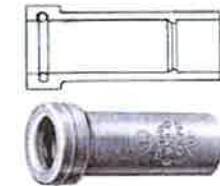
### Standard Expansion Couplings

(Expands to a maximum of 6")

Part No.	Size	Std. Ctn. Qty.	Lay Lengths	
			Stop to Stop Total Closed	Stop to Stop Total Open
E945D	1/2	50	12 1/4	18 5/8
E945E	3/4	50	12 1/4	18 5/8
E945F	1	45	12 3/4	19 1/8
E945G	1 1/4	30	12 3/4	19 1/8
E945H	1 1/2	25	12 3/4	19 1/8
E945J	2	15	13 1/2	19 7/8
E945K	2 1/2	10	14	20 3/8
E945KX (with male adapter)	2 1/2	10	14 5/16	20 5/16
E945KXL (special 12 bay)	2 1/2	10	24	36
E945L	3	10	16 1/2	23
E945LX (with male adapter)	3	10	15 9/16	22 1/3
E945M	3 1/2	5	16 1/2	23
E945N	4	5	17 1/2	24
E945P	5	3	18 1/2	24 1/2
E945R	6	2	20 1/2	26 1/2

### Short Expansion Couplings

(Expands to a maximum of 2")



Part No.	Size	Std. Ctn. Qty.
E955D	1/2	40
E955E	3/4	40
E955F	1	25
E955G	1 1/4	15
E955H	1 1/2	10
E955J	2	6

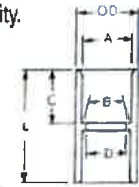
### Couplings

#### Standard Couplings

All socket fittings should be attached using Carlon solvent cement. Using Carlon fittings with Carlon nonmetallic conduit insures system integrity.



Socket type for joining nonmetallic conduit.



Part No.	Size	Std. Ctn. Qty.	A		Min. O.D.	Max. O.D.	C		L
			Typical	B			Typical	Typical	
E940D	1/2	150	.852	.836	.728	1 1/16	1 1/16	1 1/2	
E940E	3/4	100	1.064	1.046	.840	1 5/16	3/4	1 5/8	
E940F	1	50	1.330	1.310	1.210	1 5/8	1 5/16	2	
E940G	1 1/4	30	1.677	1.655	1.535	1 13/16	2	2 1/8	
E940H	1 1/2	25	1.918	1.894	1.755	2 1/16	1 5/8	2 3/8	
E940J	2	30	2.393	2.369	2.190	2 4/16	1 7/8	2 1/2	
E940K-CAR	2 1/2	4	2.890	2.868	2.688	3 5/16	1 3/4	3 1/4	
E940L-CAR	3	5	3.515	3.492	3.375	3 7/16	1 3/4	3 1/2	
E940M	3 1/2	20	4.015	3.992	3.780	4 9/16	1 3/4	3 3/4	
E940N-CAR	4	5	4.515	4.491	4.265	5 1/16	2	3 3/4	
E940P	5	8	5.593	5.553	5.097	6 1/4	1 5/8	4 1/4	
E940R	6	5	6.658	6.614	6.115	7 1/2	2 3/8	4 3/4	

#### Special Schedule 40 Long Line Couplings



Long Line Couplings

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E941H	1 1/2	40	9
E941J	2	25	8
E941K	2 1/2	15	8
E941L	3	15	14
E941N	4	10	15
E941PF	5	4	12
E941RF	6	5	21



Sleeve Coupling  
(For Repair Work)  
No Internal Stop

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E948H	1 1/2	25	6
E948J	2	25	5
E948K	2 1/2	25	16
E948L	3	25	13
E948N	4	10	8
E948P	5	14	33
E948R	6	6	16

#### Special Schedule 40 Swedge Couplings



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E442K	2 1/2	20	13
E442R	6	6	27
E442T	8	2	17

Made in the U.S.A.

www.carlon.com



Except where noted by ▶

## Expansion and Contraction

### Determine the Piston Opening

The expansion joint must be installed to allow both expansion and contraction of the conduit run. The correct piston opening for any installation condition should use the following formula:

$$O = \left[ \frac{T_{max} - T_{installed}}{\Delta T} \right] E$$

Where:

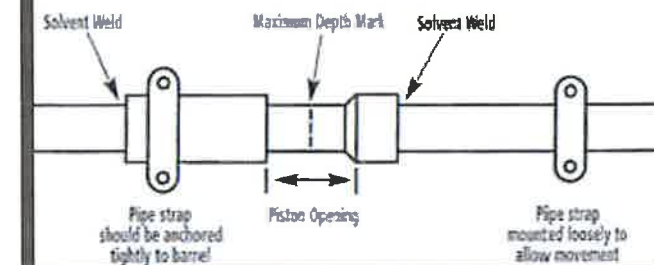
- O = Piston opening (in.)
- T max = Maximum anticipated temperature of conduit (°F)
- T inst. = Temperature of conduit at time of installation (°F)
- ΔT = Total change in temperature of conduit (°F)
- E = Expansion allowance built into each expansion coupling (in.)

$$O = \left( \frac{140 - 72}{68} \right) 2 = 2$$

### Expansion Characteristics of PVC Rigid Nonmetallic Conduit

Coefficient of Thermal Expansion = 3.38 x 10<sup>-5</sup> in./in./°F

Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit
5	0.2	55	2.2	105	4.2	155	6.3
10	0.4	60	2.4	110	4.5	160	6.5
15	0.6	65	2.6	115	4.7	165	6.7
20	0.8	70	2.8	120	4.9	170	6.9
25	1.0	75	3.0	125	5.1	175	7.1
30	1.2	80	3.2	130	5.3	180	7.3
35	1.4	85	3.4	135	5.5	185	7.5
40	1.6	90	3.6	140	5.7	190	7.7
45	1.8	95	3.8	145	5.9	195	7.9
50	2.0	100	4.1	150	6.1	200	8.1

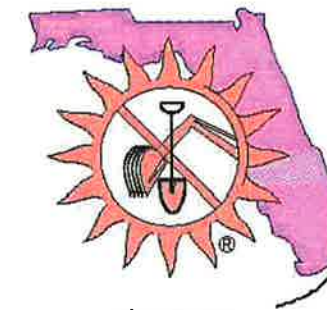


## GENERAL NOTES AND DETAILS

**GENERAL U.G. CONSTRUCTION NOTES ( When Applicable)**

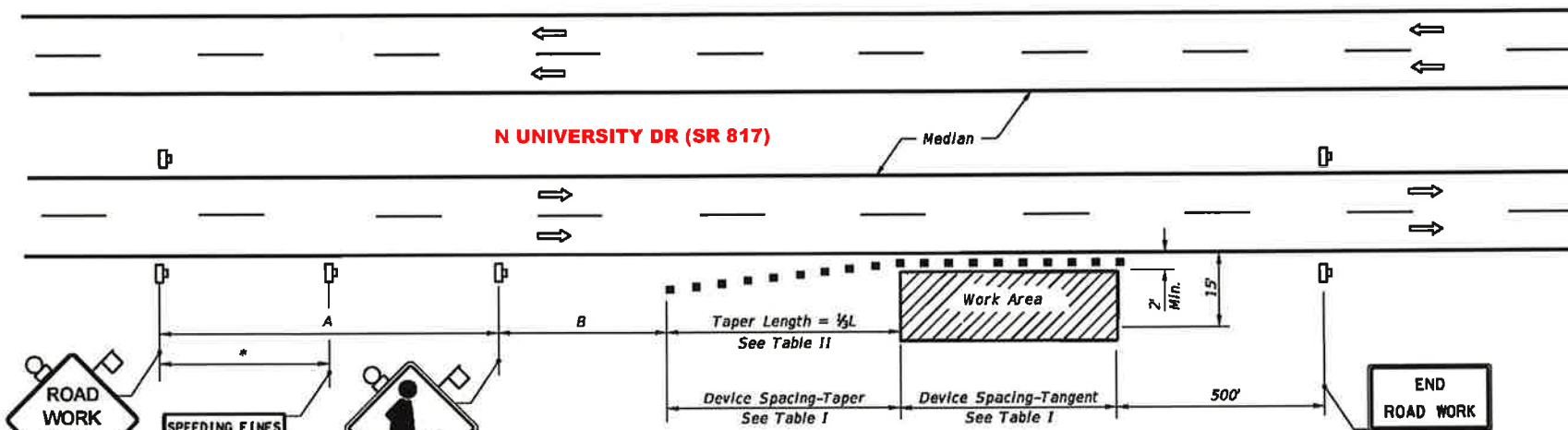
- SAW CUT AND REMOVE EXISTING ASPHALT PAVEMENT FOR DUCTBANK INSTALLATION. BACKFILL, RESTORE AND REPAVE AS PER GOVERNMENT AGENCY PERMITTING SPECIFICATIONS
- PLACE FLUSH MOUNTED CONCRETE VAULTS IN SIDEWALK AT LOCATIONS NOTED.
- ALL TRENCHES SHALL BE BACKFILLED AND TAMPED IN 6" LAYERS AS PER PERMITTING SPECIFICATIONS GOVERNMENT AGENCY.
- REPLACE TO EXPANSION JOINTS WHEN RESTORING CONCRETE SIDEWALKS.
- MINIMUM CLEARANCE FROM DUCTBANK TO CROSSING OTHER UTILITIES IS TO BE 12".
- MINIMUM CLEARANCE FROM DUCTBANK TO PARALLELING OTHER UTILITIES IS TO BE 12". -TUNNEL UNDER ALL CURBS AND GUTTERS.
- PLACE MARKER TAPE 12" ABOVE DUCTBANK THROUGHOUT ROUTE.
- HAND TRENCHING IS REQUIRED WHERE DUCTBANK CROSSES OTHER UTILITIES. SUPPORT EXISTING UTILITIES EXPOSED DURING EXCAVATION TO PREVENT DAMAGE DUE TO SAGGING AND DISTORTION.
- INFORMATION SHOWN ON DRAWINGS REGARDING THE PRESENCE, CHARACTER AND LOCATION OF EXISTING UTILITIES IS A SCHEMATIC REPRESENTATION TAKEN FROM THE BEST AVAILABLE INFORMATION. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION. UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED.
- NO CONSTRUCTION SHALL COMMENCE PRIOR TO THE LOCATION OF ALL UNDERGROUND UTILITIES. UTILITY LOCATION SERVICE: 1-800-432-4770.
- THIS NOTES APPLY ALL PERMITS IN THIS SET
- USE THE "ACUPUNCTURE TYPE MISSILE" FOR ALL SIDEWALK CROSSINGS AND DRIVEWAY CROSSING UP TO 40' MAXIMUM.
- ALL OPEN ASPHALT CUTS SHALL BE RESTORED TO PERMITTING AUTHORITY "MINIMUM STANDARDS" WHEN APPLICABLE.
- EXACT LOCATION OF TRENCH MAY VARY DUE TO THE LOCATION OF EXISTING UTILITIES AND OTHER HAZARDS.
- NO OPEN TRENCH TO LEFT OVERNIGHT, UNLESS THERE IS A UTILITY DAMAGED, IN THAT CASE CONTRACTOR SHALL PLACE A SAFETY NETTING AROUND OPEN TRENCH

Call 48 hours before you dig in Florida



It's the Law!  
**1-800-432-4770**  
 Sunshine State One Call of Florida, Inc.





Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

\*500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	½L (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS²/60
30	40	50	60	
35	55	68	82	
40	72	90	107	
45	120	150	180	L=WS
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

8' minimum shoulder width.

½L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

**SYMBOLS**

- Work Area
- Sign With 18" X 18" (Min.) Orange Flag And Type B Light
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

**GENERAL NOTES**

- If the work operation encroaches on the through traffic lanes or when four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), a flagger shall be provided and a FLAGGER sign shall be substituted for the WORKERS sign. The flagger shall be positioned at the point of vehicle entry or departure from the work area.
- This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index No. 600.

**DURATION NOTES**

- Signs and channelizing devices may be omitted if all of the following conditions are met:
  - Work operations are 60 minutes or less.
  - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**CONDITIONS**

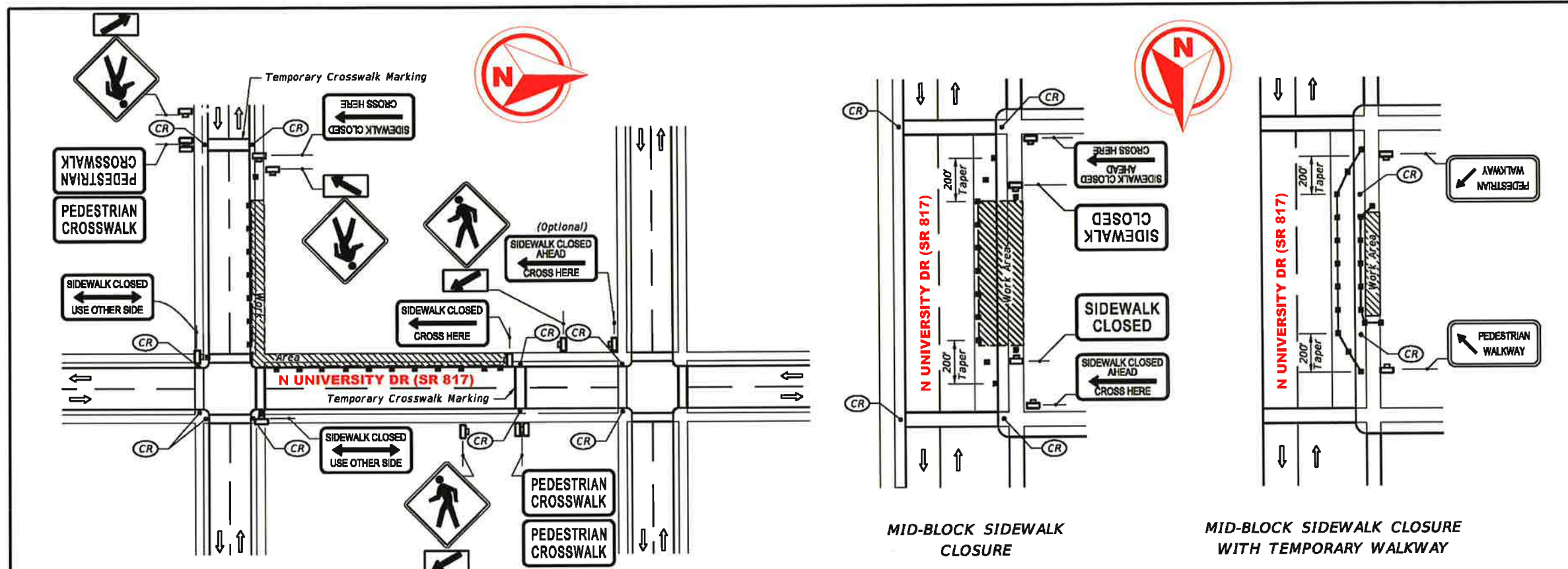
WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCRACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

5/21/2014 7:58:15 AM

LAST REVISION 07/01/07	DESCRIPTION:	2015 DESIGN STANDARDS	MULTILANE, WORK ON SHOULDER	INDEX NO. 612	SHEET NO. 1 of 1
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M O T 6 1 2



**CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALKS**

**MID-BLOCK SIDEWALK CLOSURE**

**MID-BLOCK SIDEWALK CLOSURE WITH TEMPORARY WALKWAY**

**GENERAL NOTES**

1. Only the signs controlling pedestrian flows are shown. Other work zone signs will be needed to control traffic on the streets.
2. For spacing of traffic control devices and general TCZ requirements refer to Index No. 600. Maximum spacing between barricades, vertical panels, drums or tubular markers shall not be greater than 25'.
3. Street lighting should be considered.
4. For nighttime closures use Type A flashing warning lights on barricades supporting signs and closing sidewalks. Use Type C steady-burn lights on channelizing devices separating the work area from vehicular traffic.
5. Pedestrian traffic signal display controlling closed crosswalks shall be covered or deactivated.
6. Post Mounted Signs located near or adjacent to a sidewalk shall have a 7' minimum clearance from the bottom of sign to the sidewalk.
7. When construction activities involve sidewalks on both sides of the street, efforts should be made to stage the construction so that both sidewalks are not out of service at the same time.
8. In the event that sidewalks on both sides of the street are closed, pedestrians shall be guided around the construction zone.
9. Temporary walkways shall be a minimum of 4' wide with a maximum 0.02 cross slope and a maximum 0.05 running slope between ramps. Temporary walkways less than 5' in width shall provide for a 5' x 5' passing space at intervals not to exceed 200'. Temporary ramps shall meet the requirements for curb ramps specified in Index No. 304. Temporary walkway surfaces and ramps shall be stable, firm, slip resistant, and kept free of any obstructions and hazards such as holes, debris, mud, construction equipment, stored materials, etc.
10. Temporary ramps and temporary crosswalk markings shall be removed with reopening of the sidewalk, unless otherwise noted in the plans. All work and materials associated with constructing temporary curb ramps and temporary crosswalk markings, removal and disposal of temporary curb ramps and temporary crosswalk markings, and restoration to original condition shall be paid for as Maintenance of Traffic, Lump Sum.
11. A pedestrian longitudinal channelizing device shall be placed across the full width of the closed sidewalk.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT WORKERS OR THEIR ACTIVITIES ENCRANCH ON THE SIDEWALK FOR A PERIOD OF MORE THAN 60 MINUTES.

**SYMBOLS**

- Work Area
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Required Locations For Either Temporary Or Permanent Curb Ramps.
- Lane Identification + Direction of Traffic
- Pedestrian Longitudinal Channelizing Device

6/9/2014 11:36:23 AM

LAST REVISION 07/01/13	REVISION	DESCRIPTION:	<b>2015 DESIGN STANDARDS</b>	<b>PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS</b>	INDEX NO. 660	SHEET NO. 1 of 1
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M O T 6 6 0

**4B**

# APPLICATION FOR PERMIT

<b>TO: BOARD OF SUPERVISORS</b> CORAL SPRINGS IMPROVEMENT DISTRICT 10300 N.W. 11th Manor Coral Springs, FL 33071	<b>PERMIT TYPE:</b> (Check one or both) <input checked="" type="checkbox"/> RIGHT-OF-WAY <input type="checkbox"/> SURFACE WATER MANAGEMENT
---	---

1.	PROPOSED USE OF DISTRICT FACILITY: <u>INSTALLATION OF 6" PVC BRIDGE ATTACHMENT</u>						
2.	LOCATION OF WORK: <u>CANAL L-106 AT THE EAST SIDE OF N UNIVERSITY DR</u>						
	<table style="width: 100%; border: none;"> <tr> <td style="width: 33%; border: none;">Subdivision</td> <td style="width: 33%; border: none;">Lot No.</td> <td style="width: 33%; border: none;">Block No.</td> </tr> <tr> <td style="border: none;">Section: <u>28</u></td> <td style="border: none;">Township: <u>48</u></td> <td style="border: none;">Range: <u>41</u></td> </tr> </table>	Subdivision	Lot No.	Block No.	Section: <u>28</u>	Township: <u>48</u>	Range: <u>41</u>
Subdivision	Lot No.	Block No.					
Section: <u>28</u>	Township: <u>48</u>	Range: <u>41</u>					
3.	DISTRICT WORKS INVOLVED IN PROPOSED CONSTRUCTION OR USE: _____						
4.	NAME, ADDRESS, PHONE AND FAX OF OWNER OF PROPOSED WORK OR STRUCTURE: Comcast Communications LLC, 2501 SW 145TH AVE, Miramar, Fl., 33027 (954) 447-8405 (Leonard Maxwell-Newbold)						
5.	NAME, ADDRESS, PHONE AND FAX OF APPLICANT OTHER THAN OWNER (If any): RAYSA GOMEZ, 2498 EAGLE RUN DR, WESTON FL 33326, (786)-564-9490 <u>eeu-cs-11</u>						
6.	AREA PROPOSED TO BE SERVED: (Give property description sufficient for identification, including size in acres, and <b>attaching survey or property sketch</b> ). BRIDGE OF CANAL L-106 AT THE EAST SIDE OF N UNIVERSITY DR						
7.	This application, including sketches, drawings or plans and specifications attached, contains a full and complete description of the work proposed or use desired of the above described facilities of the District and for which permit is herewith applied. It shall be part of any permit that may be issued. It is agreed that all work or the use of the District's facilities involved will be in accordance with the permit to be granted and with the Permit Criteria Manual heretofore adopted by the District, which have been examined and are understood by the applicant and as the same may be hereafter from time to time amended, changed or revised and which (it is further understood) shall be incorporated in reference as a part of any permit which may be granted.						

**STANDARD CONDITIONS ARE AS FOLLOWS:**

- 5. In the event the DISTRICT wishes to obtain the ingress or egress to its property, easement or right of way affected by the permit issued pursuant to this application for any lawful District purpose, including but not limited to maintenance of any lake, canal or related water management infrastructure, the removal, demolition and reconstruction, if any, of the proposed work or structure permitted hereunder shall be at the sole expense of the owner or the owner's successors or assigns.
- 6. PERMITTEE, by acceptance of the permit, covenants and agrees that the DISTRICT, District Managers, district consultants and its successors shall be promptly indemnified, defended, protected, exonerated, and saved harmless by the Permittee from and against all expenses, liabilities, claims, demands, and proceedings incurred by or imposed on said District in connection with any claim, proceeding, demand, administrative hearing, suit, appellate proceeding, or other activity; including unfounded or "nuisance" claims, in which the District may become involved, or any settlement thereof, arising out of any operations under this permit, including use of canal water for irrigation purposes, damage to landscaping, paint damage to automobiles, buildings, or other structures, and any property damage or personal injuries, fatal or non-fatal, of any kind or character.
- 7. PERMITTEE agrees that during the course of construction, prior to obtaining a Certificate of Occupancy on any structure constructed thereon, no builder debris will be placed into the waterways of the District.

For this purpose PERMITTEE has submitted a check in the amount of Two-Thousand Five Hundred Dollars (\$2,500.00) which PERMITTEE agrees to forfeit if debris is found to have been placed into the District's waterways; said determination to be at the sole discretion of the District and is acknowledged by PERMITTEE to represent both actual and punitive damages for violating the provisions of this permit and, further, the provisions of Chapter 298, Florida Statutes.

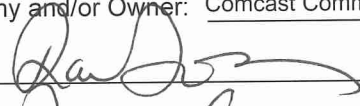
If construction of the facilities called for in this permit have not been completed, an additional Two Thousand Five Hundred Dollars (\$2,500.00) will be submitted by PERMITTEE to cover future occurrences of discharging builder debris into the District's waterways.

- 8. The applicant shall submit, in accordance with the policies of the District's "Stormwater Inspection Reports" every five years from the date of permit issuance, and shall comply with all re-inspection procedures required under the District's policies.

**SPECIAL CONDITIONS WILL BE ADDED WHEN APPLICABLE:**

Submitted this 28 day of August, 2015

Company and/or Owner: Comcast Communications LLC

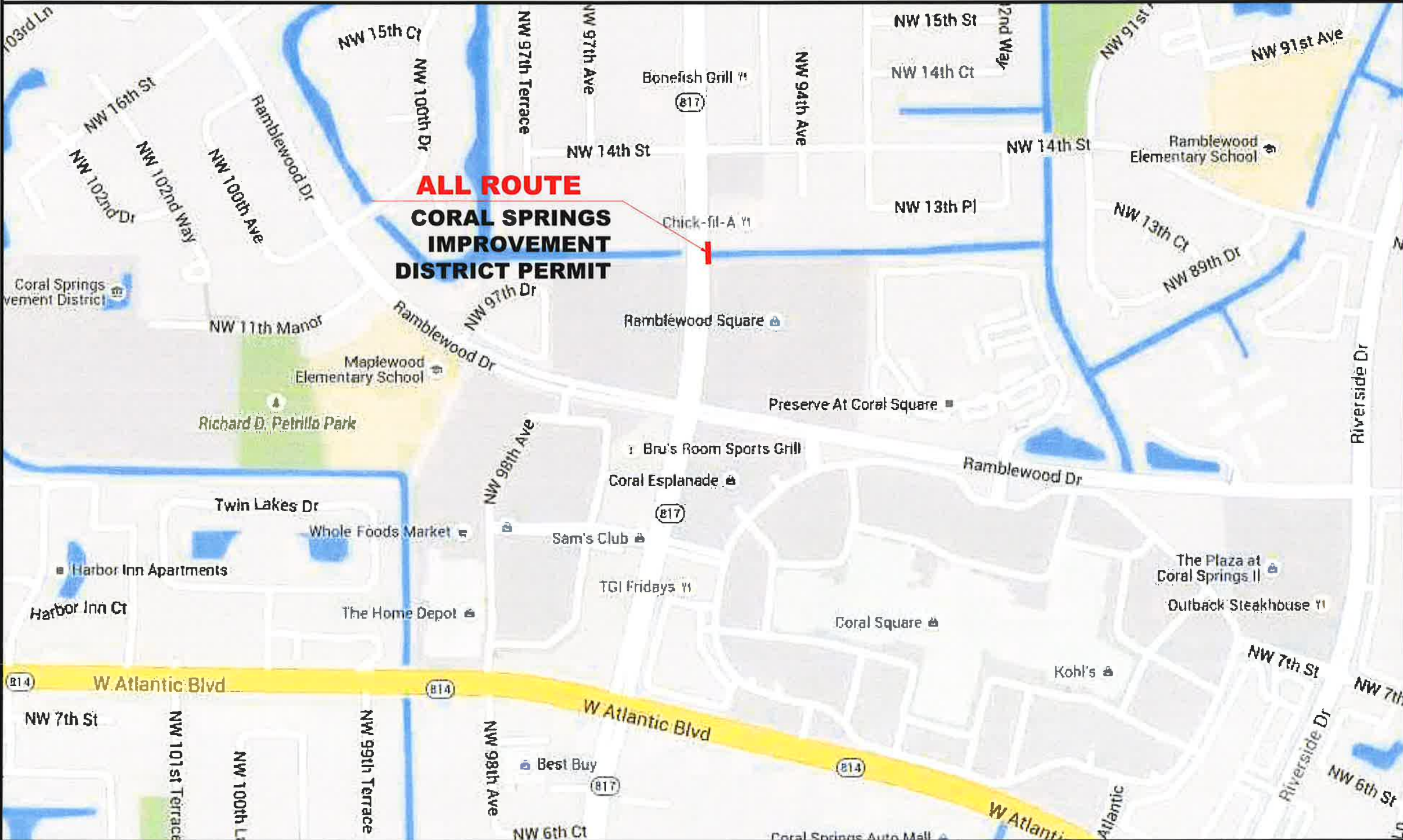
By: 

Name: Rayssa Gomez

Title: Comcast-CCO-Rep.

BOARD OF SUPERVISORS  
Reviewed and approved by Board meeting held

# LOCATION MAP



**Know what's below.  
Call before you dig.**

**APPROVED BY** COMCAST

LEONARD MAXWELL-NEWBOLD

## STATE OF FLORIDA CORAL SPRINGS IMPROVEMENT DISTRICT

### INDEX OF SHEETS

SHEET No	DESCRIPTION
<b>COVER</b>	<b>COVER SHEET</b>
<b>001</b>	<b>PLAN VIEW &amp; PICTURES</b>
<b>002</b>	<b>ELEVATION</b>
	<b>TYPICAL NOTES</b>
	<b>DETAILS</b>
	<b>GENERAL NOTES</b>
	<b>MOTS</b>

### FOOTAGE DATA

<b>AERIAL</b>	-
<b>TOTAL TRENCH</b>	<b>34'</b>
<b>TOTAL BORE</b>	-
<b>TOTAL BRIDGE ATTACHMENT</b>	<b>66'</b>
<b>TOTAL</b>	<b>100'</b>

TOWNSHIP : 48	RANGE : 41	SECTION : 28
---------------	------------	--------------



The information provided in this Permit Drawing is exempt from public disclosure under section 815.045, F.S. Thus this permit drawing and contents herein may not be shared/distributed without the written permission of Comcast. Sharing such highly proprietary market information about our network, services and customers would cause us competitive harm.

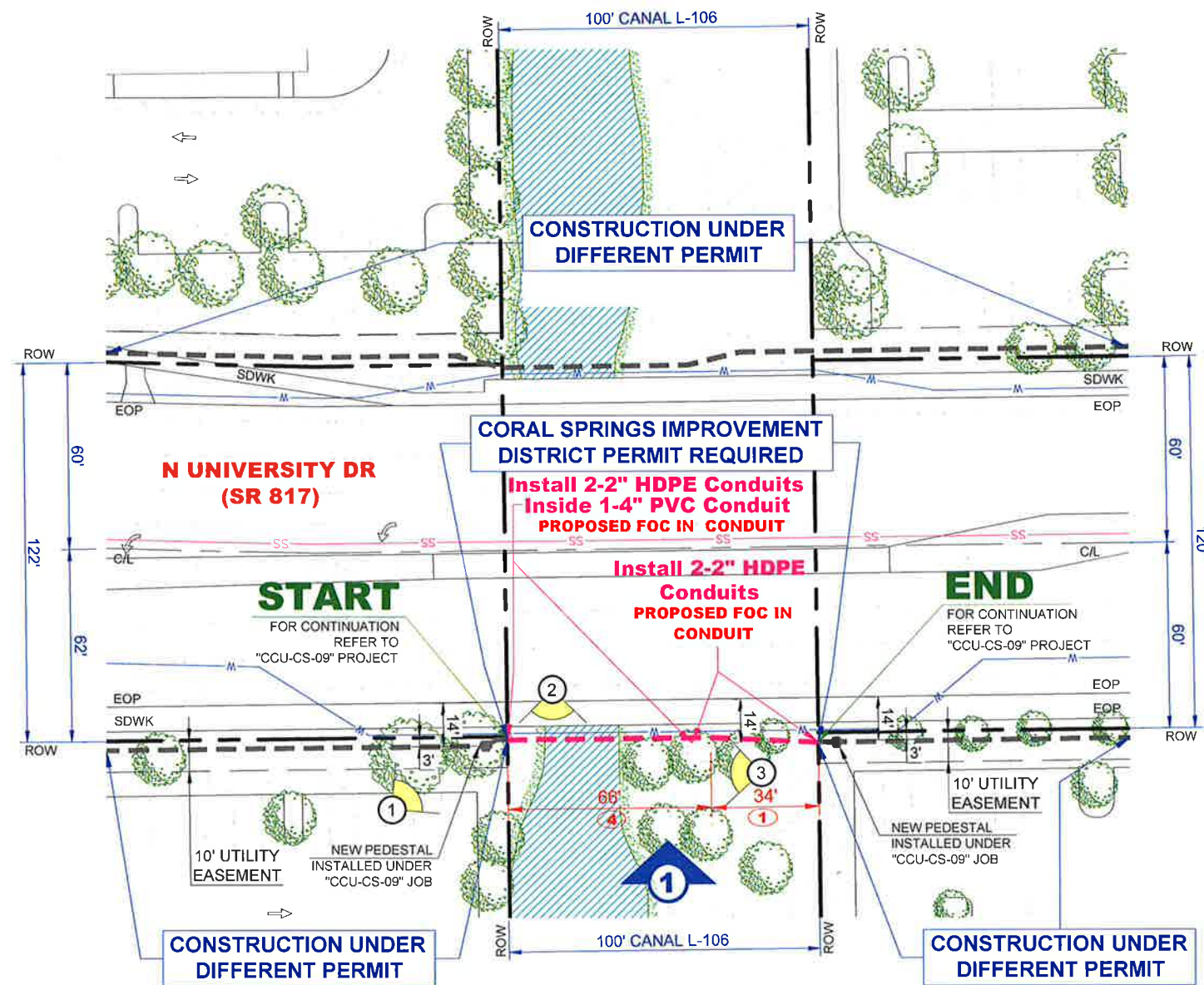
## UNDERGROUND, CATV CONSTRUCTION

Rev	Date	Description
	08.21.15	ORIGINAL SUBMITTAL

SCALE : AS SHOWN
FILE NAME : C04CS11-DESIGN.dwg
DATE : AUGUST 2015
DRAWING : DRAFTPROS INC
COMCAST TRACKING No :
<b>CCU-CS-11</b>

SHEET NUMBER	<b>COVER</b>
LOCATION:	CANAL L106 (EAST SIDE) AND UNIVERSITY DR
PERMITTING AGENCY:	CORAL SPRINGS IMPROVEMENT DISTRICT
PROJECT:	<b>NEW BUILD</b>





**PLAN VIEW**  
HORIZONTAL SCALE: 1" = 50'



**PICTURE 01**



**PICTURE 02**



**PICTURE 03**



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**1** TRENCH, INSTALL 2-2" CONDUIT WITH 40" MIN. COVER. RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION

**2** DIRECTIONAL BORE, INSTALL 2-2" CONDUIT WITH 72" MIN COVER, RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION

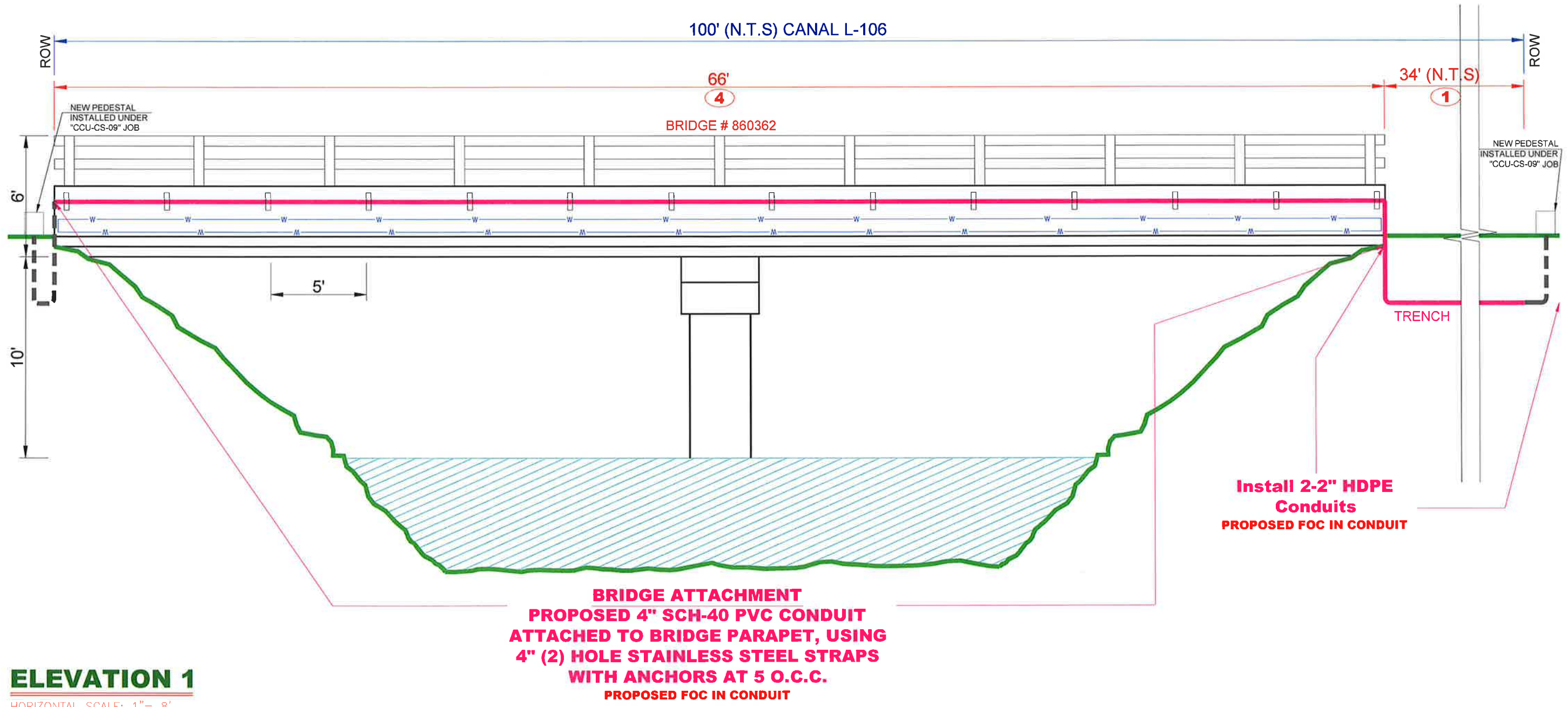
**3** DIRECTIONAL BORE, INSTALL 2-2" CONDUIT WITH 60" MIN. COVER, RESTORE ALL SURFACES TO EQUAL OR BETTER CONDITION.

**4** BRIDGE ATTACHMENT, INSTALL 2-2" HDPE CONDUITS INSIDE 1-4" PVC CONDUIT ATTACHED TO BRIDGE

SCALE : 1"=50'  
FILE NAME: CCU-CS-11-DESIGN.dwg  
DATE : AUGUST 2015  
DRAWING : DRAFTPROS INC  
COMCAST TRACKING No :  
**CCU-CS-11**

SHEET NUMBER **001**  
LOCATION: CANAL L106 (EAST SIDE) AND UNIVERSITY DR  
PERMITTING AGENCY: CORAL SPRINGS IMPROVEMENT DISTRICT  
PROJECT: **NEW BUILD**





**ELEVATION 1**

HORIZONTAL SCALE: 1" = 8'

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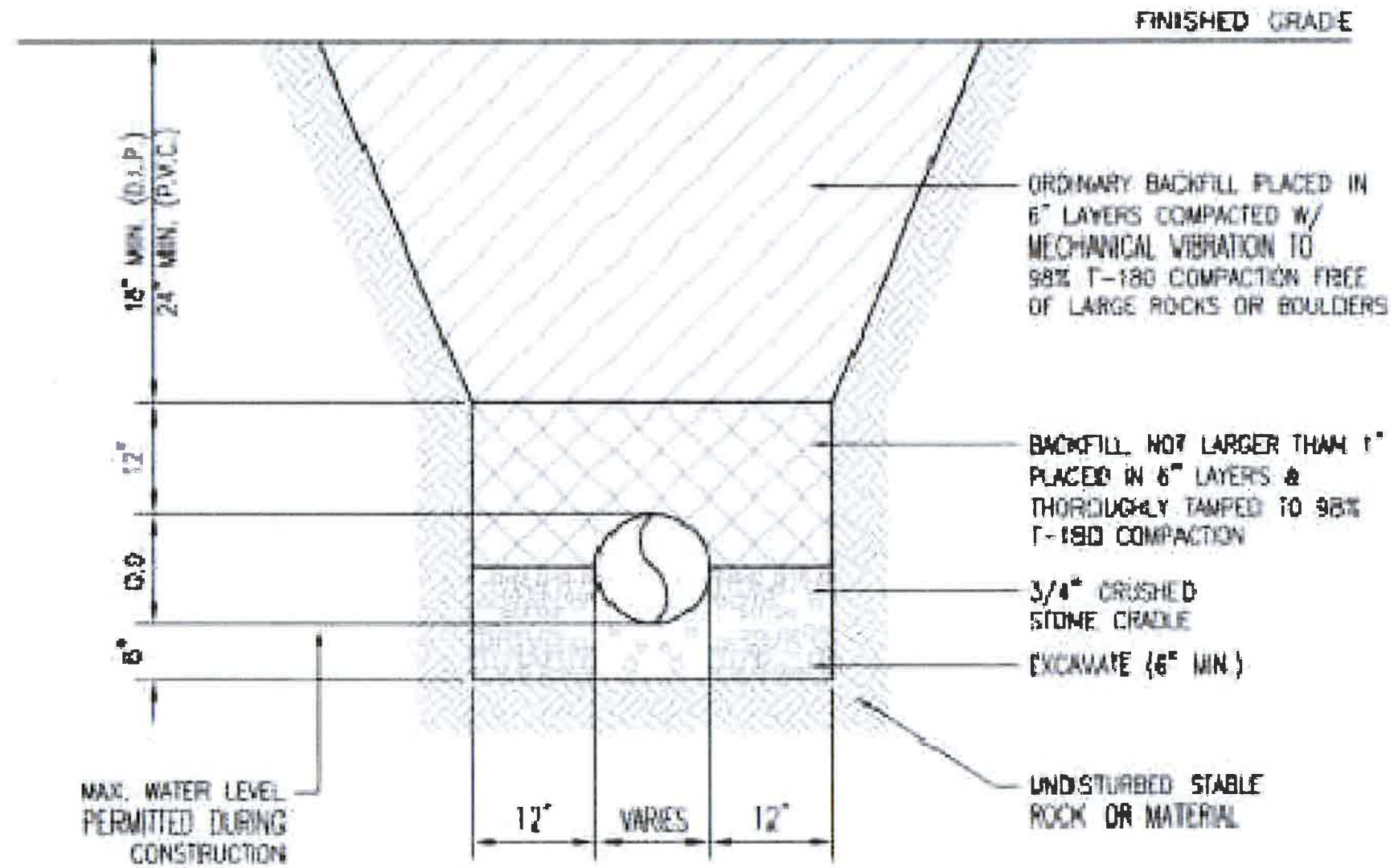
**4** BRIDGE ATTACHMENT, INSTALL 2-2" HDPE CONDUITS INSIDE 1-4" PVC CONDUIT ATTACHED TO BRIDGE

SCALE : 1"=8'  
FILE NAME: CCUCS-11-DESIGN.dwg  
DATE : AUGUST 2015  
DRAWING : DRAFTPROS INC  
COMCAST TRACKING No :  
**CCU-CS-11**

SHEET NUMBER **002**  
LOCATION: CANAL L106 (EAST SIDE) AND UNIVERSITY DR  
PERMITTING AGENCY: CORAL SPRINGS IMPROVEMENT DISTRICT  
PROJECT: **NEW BUILD**



**TYPICAL DETAIL  
TRENCH DETAIL UNPAVED AREAS**



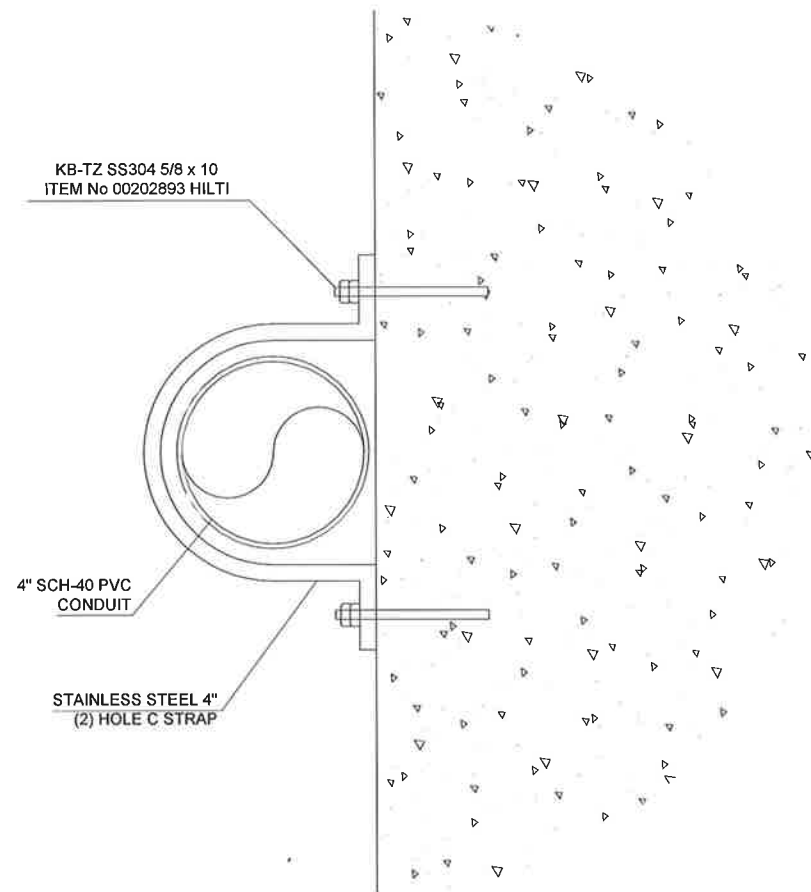
**NOTE:**

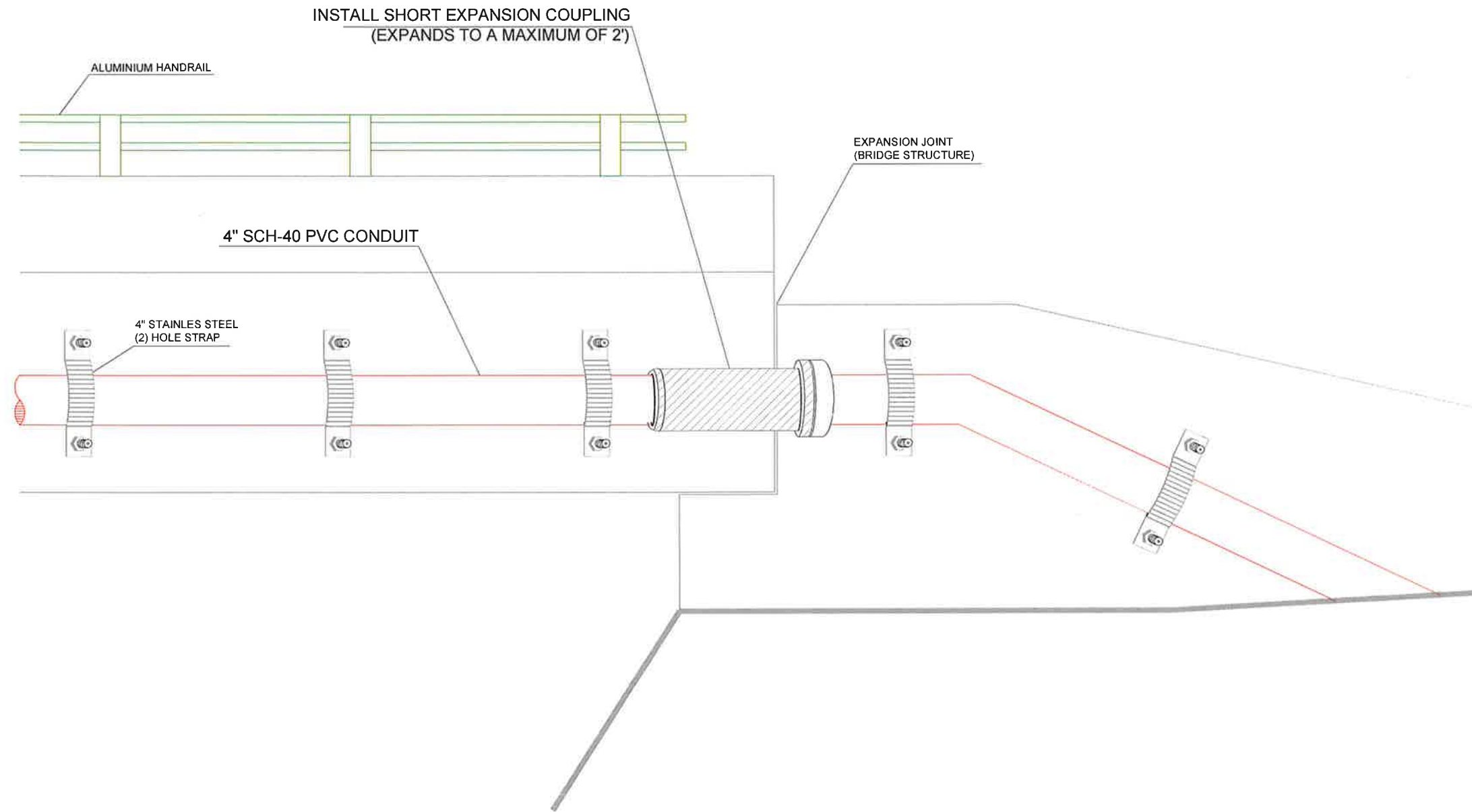
MAXIMUM DENSITY AS DETERMINED BY A.A.S.H.T.O.

# BRIDGE ATTACHMENT DETAIL


66' OF CONDUIT WOULD BE ATTACHED TO BRIDGE STRUCTURE

ATTACHMENT ONTO BRIDGE STRUCTURE SHALL HAVE ALL THE METALLIC PORTIONS OF THE ATTACHMENT HARDWARE (HANGERS, BOLTS, STRAPS, CONDUIT, ANCHORS, ETC) FABRICATED FROM 316 STAINLESS STEEL OR OTHER EQUAL MATERIAL





# Stainless Steel Mechanical Expansion Anchor



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**KB-TZ SS304 5/8 X 10: Item No.: 00202893**



→ Enlarge photo

**Technical Data**

Anchor size	3/8 in. - 3/4 in.
Thread length	6 3/4 in.
Package Quantity	15
Drill bit diameter	5/8 in.
Drill bit diameter (Empac)	5/8 in.
Minimum Embedment Depth hnom	3 5/8 in.
Minimum Embedment Depth hnom (Empac)	3 5/8 in.
Thread length (Empac)	6 3/4 in.
Anchor Length	10 in.
Anchor size (Empac)	3/8 in. - 3/4 in.

**Online shopping**

Package quantity  
15

Number of packages

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**2003 IBC<sup>®</sup>**  
Compliant Anchor

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Item # 6

### Electrical Conductors versus Light Conductors

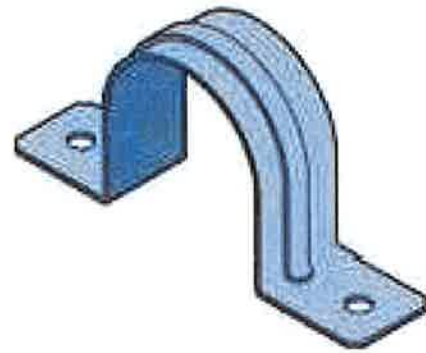
The amount of energy a fiber optic cable can carry is relatively small. Because of this, fiber optic cable is not used to transfer power. Because its very high frequency, however, fiber optic cable can transmit enormous amount of information this capability makes fiber optic generally better than electrical conductors for information systems. Both fiber optic cable and electrical conductors are used to transmit information. Only electrical conductors are used to transmit power

Item # 2

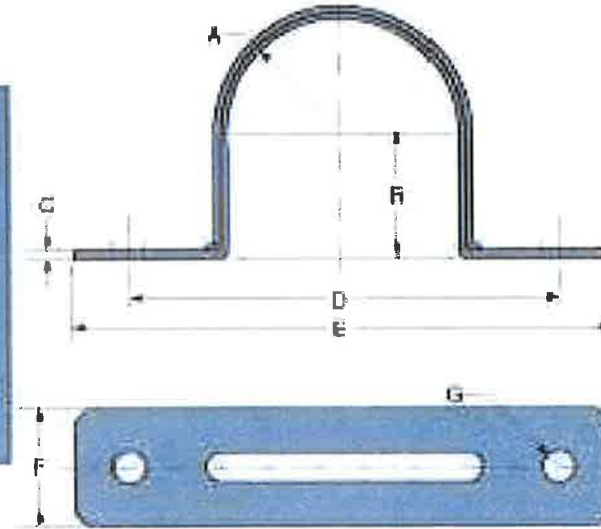
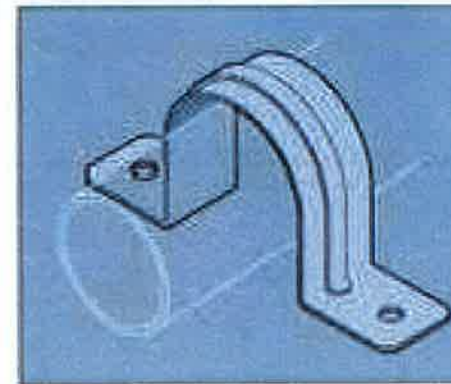
### Attachment Location

Utilities should be located beneath the cantilever portion of the bridge structure deck overhang. Locating the utility under the deck overhang is the best location because it minimize interference with bridge inspection and future girder maintenance.

**Two-Hole Strap**



Straps made with 316SS fit pipe or rigid conduit. They are cleaned and polished to provide a bright finish and increased corrosion resistance.



Part Number	Pipe/Rigid Conduit (Inches)	Weight per 100 (lbs)	Dimensions (Inches)						
			A	B	C	D	E	F	G
3038-2	3/8"	2	.35	.32	.024-.030	1.56	2.00	.50	.188
3050-2	1/2"	2	.42	.39	.024-.030	1.78	2.25	.56	.188
3075-2	3/4"	3	.52	.50	.024-.030	2.18	2.62	.62	.188
3100-2	1"	4	.65	.62	.033-.038	2.53	3.20	.75	.250
3125-2	1 1/4"	6	.83	.80	.033-.038	3.16	4.00	.87	.250
3150-2	1 1/2"	9	.95	.92	.043-.050	3.37	4.20	.93	.250
3200-2	2"	12	1.18	1.15	.043-.050	4.25	5.12	1.00	.375
3250-2	2 1/2"	16	1.43	1.40	.053-.060	4.95	5.87	1.00	.375
3300-2	3"	20	1.75	1.70	.053-.060	5.50	6.50	1.00	.375
3350-2	3 1/2"	29	2.00	1.95	.068-.075	6.18	7.12	1.00	.437
3400-2	4"	32	2.25	2.20	.068-.075	6.81	7.75	1.00	.437

**GENERAL NOTES AND DETAILS**



## Rigid Nonmetallic Conduit – Couplings

### Expansion Couplings

(For Use with Plus 40® and Plus 80®)

E945 series expansion couplings are designed to compensate for length changes due to temperature variations in exposed conduit runs.



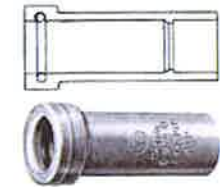
### Standard Expansion Couplings

(Expands to a maximum of 6")

Part No.	Size	Std. Ctn. Qty.	Lay Lengths	
			Stop to Stop Total Closed	Stop to Stop Total Open
E945D	1/2	50	12 1/4	18 5/8
E945E	3/4	50	12 1/4	18 5/8
E945F	1	45	12 3/4	19 1/8
E945G	1 1/4	30	12 3/4	19 1/8
E945H	1 1/2	25	12 3/4	19 1/8
E945J	2	15	13 1/2	19 7/8
E945K	2 1/2	10	14	20 3/8
E945KX (with male adapter)	2 1/2	10	14 43/100	20 41/100
E945KXL (special 12 bars)	2 1/2	10	24	36
E945L	3	10	16 1/2	23
E945LX (with male adapter)	3	10	15 9/10	22 1/2
E945M	3 1/2	5	16 1/2	23
E945N	4	5	17 1/2	24
E945P	5	3	18 1/2	24 1/2
E945R	6	2	20 1/2	26 1/2

### Short Expansion Couplings

(Expands to a maximum of 2")



Part No.	Size	Std. Ctn. Qty.
E955D	1/2	40
E955E	3/4	40
E955F	1	25
E955G	1 1/4	15
E955H	1 1/2	10
E955J	2	6

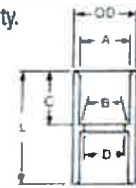
### Couplings

#### Standard Couplings

All socket fittings should be attached using Carlon solvent cement. Using Carlon fittings with Carlon nonmetallic conduit insures system integrity.



Socket type for joining nonmetallic conduit.



Part No.	Size	Std. Ctn. Qty.	A Typical	B	Min. O.D.	Max. O.D.	C Typical	L
E940D	1/2	150	.852	.836	.728	1 1/8	1 1/16	1 1/2
E940E	3/4	100	1.064	1.046	.840	1 5/16	3/4	1 5/8
E940F	1	50	1.330	1.310	1.210	1 5/8	1 5/16	2
E940G	1 1/4	30	1.677	1.655	1.535	1 7/8	1	2 1/8
E940H	1 1/2	25	1.918	1.894	1.755	2 1/8	1 1/8	2 3/8
E940J	2	30	2.393	2.369	2.190	2 7/8	1 3/8	2 1/2
E940K-CAR	2 1/2	4	2.890	2.868	2.688	3 1/8	1 3/4	3 1/8
E940L-CAR	3	5	3.515	3.492	3.375	3 7/8	1 3/4	3 7/8
E940M	3 1/2	20	4.015	3.992	3.780	4 5/8	1 3/4	3 5/8
E940N-CAR	4	5	4.515	4.491	4.265	5 1/2	2	3 3/4
E940P	5	8	5.593	5.553	5.097	6 1/4	1 5/8	4 1/8
E940R	6	5	6.658	6.614	6.115	7 1/2	2 1/4	4 3/8

#### Special Schedule 40 Long Line Couplings



Long Line Couplings

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E941H	1 1/2	40	9
E941J	2	25	8
E941K	2 1/2	15	8
E941L	3	15	14
E941N	4	10	15
E941PF	5	4	12
E941RF	6	5	21



Sleeve Coupling  
(For Repair Work)  
No Internal Stop

Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E948H	1 1/2	25	6
E948J	2	25	5
E948K	2 1/2	25	16
E948L	3	25	13
E948N	4	10	8
E948P	5	14	33
E948R	6	6	16

#### Special Schedule 40 Swedge Couplings



Part No.	Size	Std. Ctn. Qty.	Std. Ctn. Wt. (lbs.)
E442K	2 1/2	20	13
E442R	6	6	27
E442T	8	2	17

Made in the U.S.A.

www.carlon.com



E32447

Except where noted by ▶

## Expansion and Contraction

### Determine the Piston Opening

The expansion joint must be installed to allow both expansion and contraction of the conduit run. The correct piston opening for any installation condition should use the following formula:

$$O = \left[ \frac{T_{max} - T_{installed}}{\Delta T} \right] E$$

Where:

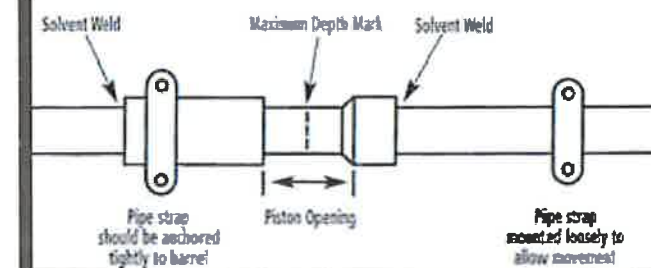
- O = Piston opening (in.)
- T max = Maximum anticipated temperature of conduit (°F)
- T inst. = Temperature of conduit at time of installation (°F)
- ΔT = Total change in temperature of conduit (°F)
- E = Expansion allowance built into each expansion coupling (in.)

$$O = \left( \frac{140 - 72}{68} \right) 2 = 2$$

### Expansion Characteristics of PVC Rigid Nonmetallic Conduit

Coefficient of Thermal Expansion = 3.38 x 10<sup>-5</sup> in./in./°F

Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit	Temperature Change in Degrees F	Length Change in inches per 100 Ft. of PVC Conduit
5	0.2	55	2.2	105	4.2	155	6.3
10	0.4	60	2.4	110	4.5	160	6.5
15	0.6	65	2.6	115	4.7	165	6.7
20	0.8	70	2.8	120	4.9	170	6.9
25	1.0	75	3.0	125	5.1	175	7.1
30	1.2	80	3.2	130	5.3	180	7.3
35	1.4	85	3.4	135	5.5	185	7.5
40	1.6	90	3.6	140	5.7	190	7.7
45	1.8	95	3.8	145	5.9	195	7.9
50	2.0	100	4.1	150	6.1	200	8.1



## GENERAL NOTES AND DETAILS

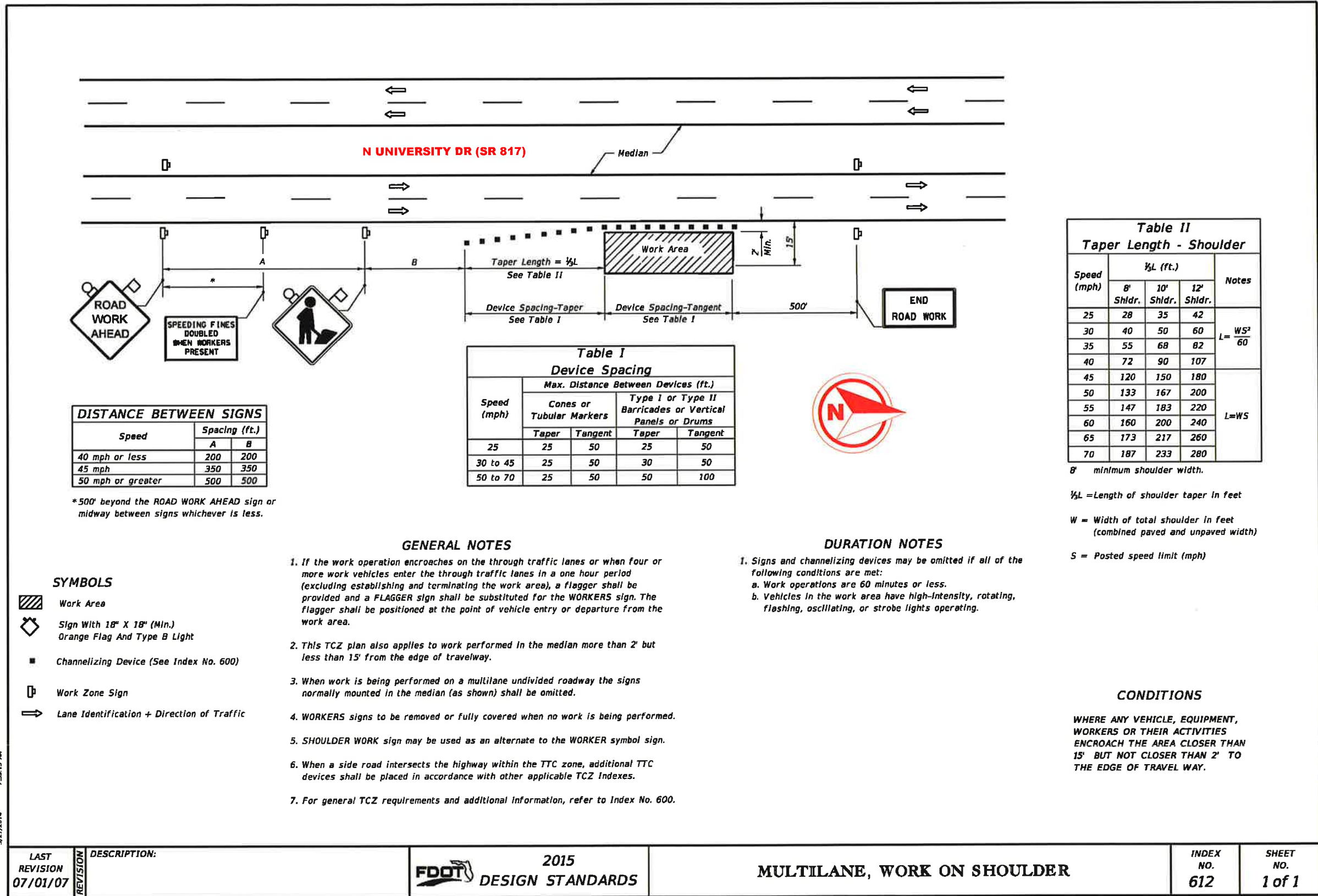
### GENERAL U.G. CONSTRUCTION NOTES ( When Applicable)

- SAW CUT AND REMOVE EXISTING ASPHALT PAVEMENT FOR DUCTBANK INSTALLATION. BACKFILL, RESTORE AND REPAVE AS PER GOVERNMENT AGENCY PERMITTING SPECIFICATIONS
- PLACE FLUSH MOUNTED CONCRETE VAULTS IN SIDEWALK AT LOCATIONS NOTED.
- ALL TRENCHES SHALL BE BACKFILLED AND TAMPED IN 6" LAYERS AS PER PERMITTING SPECIFICATIONS GOVERNMENT AGENCY.
- REPLACE TO EXPANSION JOINTS WHEN RESTORING CONCRETE SIDEWALKS.
- MINIMUM CLEARANCE FROM DUCTBANK TO CROSSING OTHER UTILITIES IS TO BE 12".
- MINIMUM CLEARANCE FROM DUCTBANK TO PARALLELING OTHER UTILITIES IS TO BE 12". -TUNNEL UNDER ALL CURBS AND GUTTERS.
- PLACE MARKER TAPE 12" ABOVE DUCTBANK THROUGHOUT ROUTE.
- HAND TRENCHING IS REQUIRED WHERE DUCTBANK CROSSES OTHER UTILITIES. SUPPORT EXISTING UTILITIES EXPOSED DURING EXCAVATION TO PREVENT DAMAGE DUE TO SAGGING AND DISTORTION.
- INFORMATION SHOWN ON DRAWINGS REGARDING THE PRESENCE, CHARACTER AND LOCATION OF EXISTING UTILITIES IS A SCHEMATIC REPRESENTATION TAKEN FROM THE BEST AVAILABLE INFORMATION. THERE IS NO CERTAINTY OF THE ACCURACY OF THIS INFORMATION. UTILITIES AND STRUCTURES NOT SHOWN MAY BE ENCOUNTERED.
- NO CONSTRUCTION SHALL COMMENCE PRIOR TO THE LOCATION OF ALL UNDERGROUND UTILITIES. UTILITY LOCATION SERVICE: 1-800-432-4770.
- THIS NOTES APPLY ALL PERMITS IN THIS SET
- USE THE "ACUPUNCTURE TYPE MISSILE" FOR ALL SIDEWALK CROSSINGS AND DRIVEWAY CROSSING UP TO 40' MAXIMUM.
- ALL OPEN ASPHALT CUTS SHALL BE RESTORED TO PERMITTING AUTHORITY "MINIMUM STANDARDS" WHEN APPLICABLE.
- EXACT LOCATION OF TRENCH MAY VARY DUE TO THE LOCATION OF EXISTING UTILITIES AND OTHER HAZARDS.
- NO OPEN TRENCH TO LEFT OVERNIGHT, UNLESS THERE IS A UTILITY DAMAGED, IN THAT CASE CONTRACTOR SHALL PLACE A SAFETY NETTING AROUND OPEN TRENCH

Call 48 hours before you dig in Florida



It's the Law!  
**1-800-432-4770**  
 Sunshine State One Call of Florida, Inc.



Speed	Spacing (ft.)	
	A	B
40 mph or less	200	200
45 mph	350	350
50 mph or greater	500	500

\* 500' beyond the ROAD WORK AHEAD sign or midway between signs whichever is less.

Speed (mph)	Max. Distance Between Devices (ft.)			
	Cones or Tubular Markers		Type I or Type II Barricades or Vertical Panels or Drums	
	Taper	Tangent	Taper	Tangent
25	25	50	25	50
30 to 45	25	50	30	50
50 to 70	25	50	50	100

Speed (mph)	1/2 L (ft.)			Notes
	8' Shldr.	10' Shldr.	12' Shldr.	
25	28	35	42	L = WS <sup>2</sup> / 60
30	40	50	60	
35	55	68	82	
40	72	90	107	
45	120	150	180	L = WS
50	133	167	200	
55	147	183	220	
60	160	200	240	
65	173	217	260	
70	187	233	280	

B' minimum shoulder width.

1/2 L = Length of shoulder taper in feet

W = Width of total shoulder in feet (combined paved and unpaved width)

S = Posted speed limit (mph)

**SYMBOLS**

- Work Area
- Sign With 18" X 18" (Min.) Orange Flag And Type B Light
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Lane Identification + Direction of Traffic

**GENERAL NOTES**

- If the work operation encroaches on the through traffic lanes or when four or more work vehicles enter the through traffic lanes in a one hour period (excluding establishing and terminating the work area), a flagger shall be provided and a FLAGGER sign shall be substituted for the WORKERS sign. The flagger shall be positioned at the point of vehicle entry or departure from the work area.
- This TCZ plan also applies to work performed in the median more than 2' but less than 15' from the edge of travelway.
- When work is being performed on a multilane undivided roadway the signs normally mounted in the median (as shown) shall be omitted.
- WORKERS signs to be removed or fully covered when no work is being performed.
- SHOULDER WORK sign may be used as an alternate to the WORKER symbol sign.
- When a side road intersects the highway within the TTC zone, additional TTC devices shall be placed in accordance with other applicable TCZ Indexes.
- For general TCZ requirements and additional information, refer to Index No. 600.

**DURATION NOTES**

- Signs and channelizing devices may be omitted if all of the following conditions are met:
  - Work operations are 60 minutes or less.
  - Vehicles in the work area have high-intensity, rotating, flashing, oscillating, or strobe lights operating.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT, WORKERS OR THEIR ACTIVITIES ENCROACH THE AREA CLOSER THAN 15' BUT NOT CLOSER THAN 2' TO THE EDGE OF TRAVEL WAY.

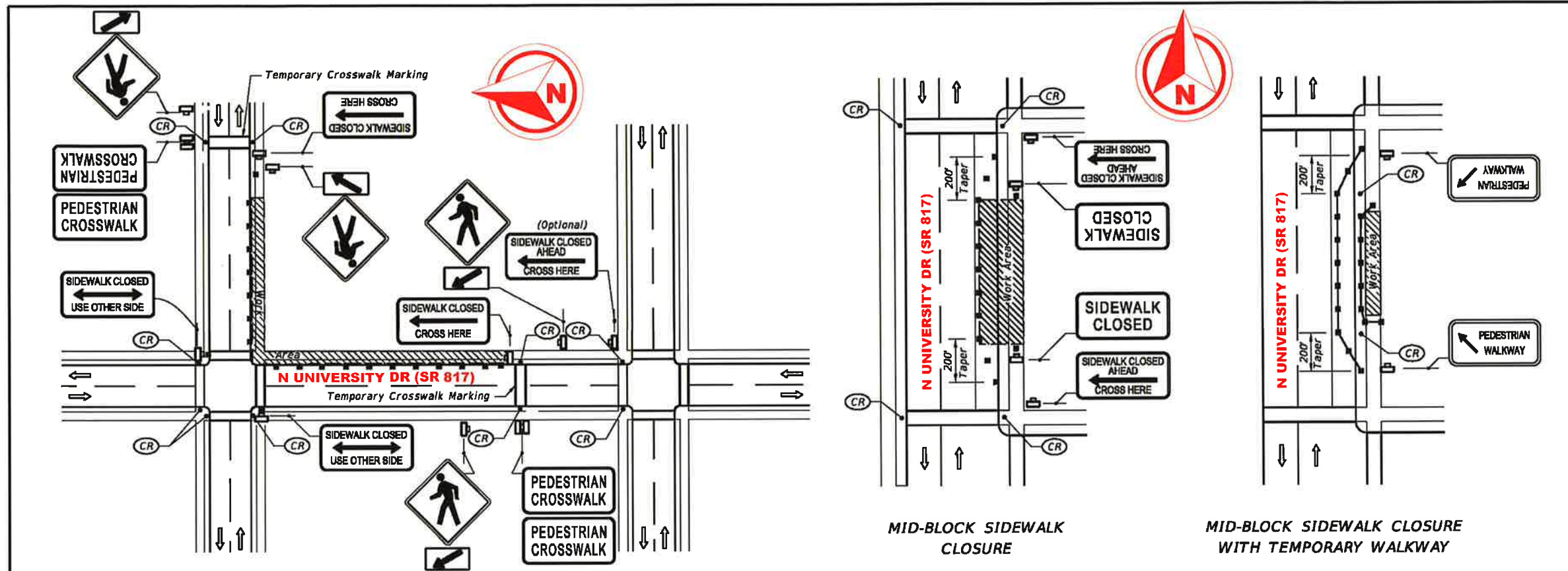
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LAST REVISION 07/01/07	DESCRIPTION:	FDOT 2015 DESIGN STANDARDS	MULTILANE, WORK ON SHOULDER	INDEX NO. 612	SHEET NO. 1 of 1
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M O T 6 1 2





**CORNER SIDEWALK CLOSURE WITH TEMPORARY CROSSWALKS**

**MID-BLOCK SIDEWALK CLOSURE**

**MID-BLOCK SIDEWALK CLOSURE WITH TEMPORARY WALKWAY**

**GENERAL NOTES**

1. Only the signs controlling pedestrian flows are shown. Other work zone signs will be needed to control traffic on the streets.
2. For spacing of traffic control devices and general TCZ requirements refer to Index No. 600. Maximum spacing between barricades, vertical panels, drums or tubular markers shall not be greater than 25'.
3. Street lighting should be considered.
4. For nighttime closures use Type A flashing warning lights on barricades supporting signs and closing sidewalks. Use Type C steady-burn lights on channelizing devices separating the work area from vehicular traffic.
5. Pedestrian traffic signal display controlling closed crosswalks shall be covered or deactivated.
6. Post Mounted Signs located near or adjacent to a sidewalk shall have a 7' minimum clearance from the bottom of sign to the sidewalk.
7. When construction activities involve sidewalks on both sides of the street, efforts should be made to stage the construction so that both sidewalks are not out of service at the same time.
8. In the event that sidewalks on both sides of the street are closed, pedestrians shall be guided around the construction zone.
9. Temporary walkways shall be a minimum of 4' wide with a maximum 0.02 cross slope and a maximum 0.05 running slope between ramps. Temporary walkways less than 5' in width shall provide for a 5' x 5' passing space at intervals not to exceed 200'. Temporary ramps shall meet the requirements for curb ramps specified in Index No. 304. Temporary walkway surfaces and ramps shall be stable, firm, slip resistant, and kept free of any obstructions and hazards such as holes, debris, mud, construction equipment, stored materials, etc.
10. Temporary ramps and temporary crosswalk markings shall be removed with reopening of the sidewalk, unless otherwise noted in the plans. All work and materials associated with constructing temporary curb ramps and temporary crosswalk markings, removal and disposal of temporary curb ramps and temporary crosswalk markings, and restoration to original condition shall be paid for as Maintenance of Traffic, Lump Sum.
11. A pedestrian longitudinal channelizing device shall be placed across the full width of the closed sidewalk.

**CONDITIONS**

WHERE ANY VEHICLE, EQUIPMENT WORKERS OR THEIR ACTIVITIES ENCRANCH ON THE SIDEWALK FOR A PERIOD OF MORE THAN 60 MINUTES.

**SYMBOLS**

- Work Area
- Channelizing Device (See Index No. 600)
- Work Zone Sign
- Required Locations For Either Temporary Or Permanent Curb Ramps.
- Lane Identification + Direction of Traffic
- Pedestrian Longitudinal Channelizing Device

6/9/2014 11:26:22 AM

LAST REVISION 07/01/13	REVISION	DESCRIPTION:	 2015 DESIGN STANDARDS	<b>PEDESTRIAN CONTROL FOR CLOSURE OF SIDEWALKS</b>	INDEX NO. 660	SHEET NO. 1 of 1
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M O T 6 6 0

## **Fifth Order of Business**

**5B.**

**Globaltech, Inc.**  
**CSID Engineer's Report**  
**October 5, 2015**

**PROJECTS UNDER CONTRACT**

**WA # 98 Storm Water Site Development Criteria – In progress**

- Incorporating revision accepted by Board from workshop.
- Attempting to schedule a Board workshop

**WA # 99 DIW Effluent Pumps 2 and 3 modifications – In progress**

- Pumps to be picked up from AME on 10/6 and installed this week. Startup of pump by following week.

**WA #101 Well 4R and 7R Construction – In progress**

- Well 7R (new well). Above ground piping has been painted. Landscaping/shrubs to be installed. Bacteriological testing complete. Clearance documents submitted to Broward County Health Department. BCHD indicated inspection in by week of October 12.
- Well 4R (new well). All equipment and piping installed. Above grade piping has been painted. Landscaping and fencing remaining. Disinfection and bacteriological testing to be conducted before clearance with BCHD.
- Wells 4 and 7 (old well). Well 4 has been properly abandoned by well driller. Demolition of well sites 4 and 7 are complete.

**WA #102 Canal Bank Restoration Construction – In closeout.**

- Canal Restoration complete at Sites 1 & 2
- All major equipment demobilized
- Reviewing record drawings prior to submittal
- Conducting restoration activities at Eagle trace golf course (50,000 sf of sod, curbing, regrading)
- Restoration activities to be complete by 10/15
- Evaluating alternatives for Site 1A remediation.
- Contract will continue to close out as minor activities are completed.

**WA #106 – Lime Plant Demolition Design – In progress**

- Design in progress.

**WA #107 – WTP Four-Log BCHD Submittal – In agency review**

- Awaiting response from BCHD. Contacted BCHD. They are in process of reviewing an anticipate 2 weeks.

**PROJECTS PENDING**

- WA #108 – HSPs 5 and 6 pump and motor installation. (WA in preparation)
- WA #109 – Degasifier cleaning pump (WA in preparation)
- WA #110 – Margate interconnect (WA in development)

**5C.**

**Coral Springs Improvement District  
Utility Billing Work Orders**

<b>2015</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>TOTAL</b>
<i>Customer Inquiry requiring work order</i>	40	27	33	33	43	43	40	37	36				332
<i>Mis-Reads</i>	4	2	0	0	0	1	0	3	2				12
<i>Meter Calibration Tests</i>	1	2	0	0	0	0	0	0	0				3

<b>2014</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>TOTAL</b>
<i>Customer Inquiry requiring work order</i>	33	43	45	60	50	73	45	52	47	43	51	52	594
<i>Mis-Reads</i>	7	5	8	5	3	9	4	2	0	6	3	3	55
<i>Meter Calibration Tests</i>	0	0	0	0	0	0	1	0	0	0	0	0	1

<b>2013</b>	<b>Jan</b>	<b>Feb</b>	<b>Mar</b>	<b>Apr</b>	<b>May</b>	<b>June</b>	<b>July</b>	<b>Aug</b>	<b>Sept</b>	<b>Oct</b>	<b>Nov</b>	<b>Dec</b>	<b>TOTAL</b>
<i>Customer Inquiry requiring work order</i>	98	54	44	63	43	48	45	42	67	42	41	52	639
<i>Mis-Reads</i>	11	6	6	5	6	6	6	7	6	10	3	7	79
<i>Meter Calibration Tests</i>	1	1	0	3	2	1	1	0	2	0	0	1	12

## CORAL SPRINGS IMPROVEMENT DISTRICT

2/13/2015

## BOARD MEETING NOTES--February 23, 2015 MEETING

WATER TREATMENT PLANT

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- ▶ On Tues. 01/27, 2015 right before 7:00 am our plant automatically shut down. Following our investigation protocols, we found the shut down was caused by a failure in our acid feed system. We discovered an acid leak at the pre- feed acid injection point into the 24" raw water feed line (under the grating in the process room). The actual leak was coming from a stainless steel fitting weld and streaming out. After a quick staff assessment of the situation we knew we had to work fast so the plant would not be down for a very long period of time. We had 17 ft. of storage which we calculated to be about 8-10 hours to make the repairs and get the plant up and running. Our first move was to lower the distribution pressure from 65 to 55 psi, we then notified the City to put them on standby in case we needed to open the interconnects. We called a local welder we used in the past and he was able to come out within the hour with the proper equipment and facilitate the needed repairs. In the meantime we emptied the acid feed line and notified our Engineer of the situation. We had to don our safety gear because of the danger of the acid to investigate why the leak happened. Upon removal of the injection quill we discovered that most of the quill had been dissolved by acid. This allowed the acid to "collect" around the coupling instead of being injected into the flow of raw water as designed. The concentration of acid trapped around the coupling deteriorated a portion of the weld causing the leak. After the welder made the repairs we knew we did not have the time to call in someone who could order and replace the injection quill. Staff decided that in order to get the plant operational within a reasonable amount of time, we would pull the quill from the post acid injection point and use it for the pre feed. The quill was the same size and design, and had no damage, so the damaged quill was replaced and the post acid feed was put out of service pending the purchase of a new quill, which we are currently still getting prices and the best fit. We also found out that these quills do need replacing approximately every two to three years, a fact that was not passed on to us by the previous engineer.
  
- ▶ Advanced Well Drilling is rigged up and ready to begin pilot hole digging at the new well 7R. They have drilled a "test hole" to make sure all the systems are working, and plan to drill the rest of the pilot hole to total depth on Monday or Tuesday of next week. Also, geophysical logging of the pilot hole is scheduled next week and based on the data collected from the pilot hole the surface casing set point, screen interval, and total well depth can be determined. The goal is to have the 24" surface casing installed and grouted done by the end of next week.
  
- ▶ All the electrical and IT work to finish up the Well 3 project has been completed, and we can now read flow, drawdown, and pressure data on SCADA.
  
- ▶ Based on a considerable amount of normalized data and trending information, and a recommendation from our anti-scalant supplier we have recently increased the set point for our acid feed from 6.7 pH to 6.9. This pH increase is a cost saving on acid and requires less frequent deliveries thus reducing the safety concerns attributed to acid. At this time, staff feels this is the best step for determining optimum efficiency regarding plant performance.

CORAL SPRINGS IMPROVEMENT DISTRICT  
BOARD MEETING NOTES--Oct 19, 2015 MEETING  
WATER TREATMENT PLANT - 10/09/2015

▶ **Degasifier Cleaning**

We were asked to reach out to some of the other cities using the R.O. /Nano filtration process, and to find out how often they cleaned and what techniques they used to clean them. Five of the eight cities we contacted responded. After reviewing the data it was obvious that each plant has adopted their own cleaning regimen based on their own unique water quality and concerns. The key parameters used to determine when a cleaning is due are; differential pressure, finished water quality, chemical usage, time, and media appearance. Also, the Florida Administrative Code, chapter 62-555.350 states, "accumulated sludge and bio growths shall be cleaned routinely (i.e. at least annually) from all treatment facilities that are in contact with raw, partially treated, or finished drinking water and that are not specifically designed to collect sludge or support a bio growth." We received a quote from JAWS, the only vendor out there who has the mobile equipment to clean the degasifiers (\$15,200). This price does not include the required cleaning and neutralization chemicals, or waste water disposal. We have also asked Globaltech to draft a work authorization for our own pump and equipment. From there we can make an educated decision on which path will accomplish the best results for the District.

▶ **Wells 4R & 7R**

Above ground painting on both wells have been completed. Well 4R still needs the fence installed, the landscaping completed, and disinfection and Bac't tests completed. Well 4 has been abandoned and demolished. Projected finish for Well 4R is Oct. 30th. Well 7R, except for the shrubs around the fence is completed and ready for BCHD to inspect. Projected finish for Well 7R is Oct.19th.

▶ **Membrane Cleaning**

After the cleaning of the membranes for Train 3 (June, 2015), we started collecting normalized data on the membranes to see how successful the cleaning regimen and chemicals were. We sent four of the uncleaned membranes to an outside lab to do a cleaning study on the membrane material, at no charge, and it was determined we should change to a more efficient type of high pH chemical, (negotiated the same price as the previously used chemical). All the pertinent paperwork was completed and we ordered and received the chemicals and will begin cleaning the next train in the upcoming month. Determination of which train to clean ( 1 or 2) will depend on the normalized data. As before Alkema will send in a rep to assist in conducting the next cleaning.



Coral Springs Improvement District  
Wastewater Department Report  
October 2015 Board Meeting

**Ongoing Projects**

Globaltech has notified the District that they are progressing with the following approved work authorizations (WA):

**WA# 99 – Deep Well Pumps 403 and 404 Modifications**

- Effluent Pump 403 was put back in operation on April 17, 2015. There are no issues to report.
- Effluent Pump 404 is scheduled to be installed the week of October 5<sup>th</sup>, 2015. The Pump is scheduled to be back in operation the week of October 12, 2015.

**Operations**

Blower 1 bearing was replaced on Tuesday September 8, 2015. After startup of Blower 1, the manufacture representative discovered imbalance in the unit itself. Staff is making arrangements for repair.

## Coral Springs Improvement District

### Drainage Department Report

October 19, 2015 Meeting

- The bank erosion project at sites #1, 2, 4 & 5 and a walk thru is scheduled for 10/15/15.
- The Bio Haven floating island has been assembled, planted and anchored in the L-102 canal

Departmental report, Water Distribution and Wastewater collection.

10-18-15 C.S.I.D. Board Meeting

- \* Line-Tec is continuing the repairs of broken hydrants that were identified at the end of our annual Hydrant flushing Program.
- \* Trio has completed the phase 2 rehab to lift station 15, demobilized equipment and the station is on Line
- \* We are nearing the end of our residential meter replacement program. RG3 is complete in their part of The installations. Our crews are finishing up with the troublesome installs, meter service and Maintenance
- \* Water breaks are down From 2 2/3 breaks per work day las month to just under 1 ½ for the month of September
- \* The Department is looking forward to the LMK lining Project for lift Station 8









# **FINANCIALS**



# **Coral Springs Improvement District**

Financial Reporting  
for  
SEPTEMBER 2015

October 19, 2015  
Board of Supervisors Meeting

## Coral Springs Improvement District

### Balance Sheet

All Fund Types and Account Groups

September 30, 2015

Description	General Fund	Water & Sewer Fund	General Fixed Assets	Totals
<b>ASSETS</b>				
Cash & Cash Equivalents:				
Checking Accounts	\$ 1,876,030	\$ 10,119,627	\$ -	\$ 11,995,657
Cash on Hand	-	10,500	-	10,500
Money Market Accounts	4,080,371	7,128,038	-	11,208,409
State Board of Admin. (Net)	-	7,703	-	7,703
Certificates of Deposit	260,927	257,486	-	518,413
Restricted Cash	-	-	-	-
Restricted Investments	-	5,145,787	-	5,145,787
Accounts Receivable	-	1,013,318	-	1,013,318
Unbilled Utility Revenues Receivable	-	713,794	-	713,794
Accrued Interest Receivable	2,877	3,729	-	6,606
Due from Other Funds	-	5,906	-	5,906
Due from Other District-Trash Bond	-	2,500	-	2,500
Prepaid Expenses	26,063	290,712	-	316,775
Land	-	361,739	553,200	914,939
Easements	-	394,998	-	394,998
Meters in Field (Net)	-	1,501,202	-	1,501,202
Machinery & Equipment (Net)	-	445,679	669,440	1,115,119
Imp. Other than Bldgs (Net)	-	59,804,156	6,688,223	66,492,379
Buildings (Net)	-	181,466	-	181,466
Construction in Progress	-	1,646,854	236,242	1,883,096
<b>Total Assets</b>	<b>\$ 6,246,268</b>	<b>\$ 89,035,194</b>	<b>\$ 8,147,105</b>	<b>\$ 103,428,567</b>

**Coral Springs Improvement District**  
Balance Sheet  
All Fund Types and Account Groups

September 30, 2015

Description	General Fund	Water & Sewer Fund	General Fixed Assets	Totals
<b><u>LIABILITIES</u></b>				
Accounts Payable	\$ 4,922	\$ 86,538	\$ -	\$ 91,460
Contracts Payable	400,000	146,762	-	546,762
Retainage Payable	-	-	-	-
Accrued Int Payable-2007 Series	-	494,538	-	494,538
Accrued R & R Reserve	-	-	-	-
Accrued Wages Payable	9,653	64,365	-	74,018
Accrued Vac/Sick Time Payable	-	173,408	-	173,408
Pension Payable	-	-	-	-
Utility Tax Payable	-	56,141	-	56,141
Payroll Taxes Payable	-	-	-	-
Deposits	10,000	554,145	-	564,145
Due to Other Funds	5,906	-	-	5,906
Net OPEB Obligation	-	180,650	-	180,650
Bonds Payable	-	42,130,000	-	42,130,000
Bond Discount-2007 Series	-	(690,771)	-	(690,771)
<b>Total Liabilities</b>	<b>430,481</b>	<b>43,195,776</b>	<b>-</b>	<b>43,626,257</b>
<b><u>FUND BALANCE / NET POSITION</u></b>				
Fund Balance:				
Unspendable	26,063	-	-	26,063
Assigned	5,789,724	-	-	5,789,724
Unassigned	-	-	-	-
Net Position	-	45,839,418	-	45,839,418
Investment in GFA	-	-	8,147,105	8,147,105
<b>Total Fund Balance / Net Assets</b>	<b>5,815,787</b>	<b>45,839,418</b>	<b>8,147,105</b>	<b>59,802,310</b>
<b>Total Liabilities &amp; Fund Balance / Net Assets</b>	<b>\$ 6,246,268</b>	<b>\$ 89,035,194</b>	<b>\$ 8,147,105</b>	<b>\$ 103,428,567</b>

**Coral Springs Improvement District**  
**General Fund**  
 Statement of Revenues, Expenditures and Change in Fund Balance  
 For the Period Ending September 30, 2015

	Adopted Budget FYE 2015	Prorated Budget Thru 09-30-15	Actual 12 Months Ending 09-30-15	Variance Favorable (Unfavorable)
<b>REVENUES:</b>				
Assessments (Net)	\$ 1,781,795	\$ 1,781,795	\$ 1,811,815	\$ 30,020
Permit Review Fees	1,000	1,000	9,100	8,100
Interest Income	2,400	2,400	14,434	12,034
Shared Personnel Rev.	30,116	30,116	30,116	-
Miscellaneous Revenue	-	-	-	-
Carry Forward Assigned Funds	2,096,635	2,096,635	3,419,719	1,323,084
<b>Total Revenues</b>	<b>3,911,946</b>	<b>3,911,946</b>	<b>5,285,184</b>	<b>1,373,238</b>

**EXPENDITURES:**

**Administrative**

Supervisor Fees	7,200	7,200	7,200	-
Salaries/Wages	103,253	103,253	121,685	(18,432)
Special Pay	249	249	177	72
FICA Taxes	8,451	8,451	9,859	(1,408)
Pension Expense	10,325	10,325	11,570	(1,245)
Health Insurance	25,097	25,097	19,286	5,811
Workers Comp. Ins.	297	297	188	109
Engineering Fees	27,600	27,600	43,405	(15,805)
Attorney Fees	36,000	36,000	40,607	(4,607)
Special Consulting Services	50,000	50,000	1,733	48,267
Annual Audit	7,416	7,416	7,400	16
Actuarial Computation-OPEB	435	435	435	-
Management Fees	50,923	50,923	50,923	-
Communications-Telephone	2,961	2,961	3,338	(377)
Postage	636	636	674	(38)
Printing & Binding	2,520	2,520	2,520	-
Building Rent	12,000	12,000	12,000	-
Insurance	4,140	4,140	357	3,783
Legal Advertising	2,200	2,200	1,084	1,116
Contingencies/Other Current Charges	1,200	1,200	409	791
Fire & EMS Assessments	10,880	10,880	9,650	1,230
Technology Expense	26,000	26,000	26,000	-
Digital Record Management	10,000	10,000	8,082	1,918
Office Supplies	5,600	5,600	6,541	(941)
Dues, Subscriptions	7,500	7,500	8,337	(837)
Promotional Expenses	3,600	3,600	5,997	(2,397)
Capital Outlay	-	-	-	-
<b>Total Administrative</b>	<b>416,483</b>	<b>416,483</b>	<b>399,457</b>	<b>17,026</b>

**Coral Springs Improvement District  
General Fund**

Statement of Revenues, Expenditures and Change in Fund Balance

For the Period Ending September 30, 2015

	<b>Adopted Budget FYE 2015</b>	<b>Prorated Budget Thru 09-30-15</b>	<b>Actual 12 Months Ending 09-30-15</b>	<b>Variance Favorable (Unfavorable)</b>
<b>Field Operations</b>				
Salaries and Wages	291,286	291,286	303,581	(12,295)
Special Pay	1,246	1,246	1,245	1
FICA Taxes	22,284	22,284	23,170	(886)
Pension Expense	29,128	29,128	30,438	(1,310)
Health Insurance	71,508	71,508	81,411	(9,903)
Worker's Comp. Insurance	16,136	16,136	12,734	3,402
Water Quality Testing	3,600	3,600	4,615	(1,015)
Communications-Radios/Cellphones	1,380	1,380	912	468
Electric Expense	1,224	1,224	1,153	71
Rentals & Leases	-	-	-	-
Insurance	26,317	26,317	24,735	1,582
R & M - General	42,988	42,988	34,437	8,551
R & M - Culvert Inspection & Cleaning	125,000	125,000	16,500	108,500
R & M - Canal Dredging & Maintenance	50,000	50,000	-	50,000
R & M - Vegetation Management	50,000	50,000	-	50,000
Operating Supplies - General	525	525	6,971	(6,446)
Operating Supplies - Chemicals	132,844	132,844	80,349	52,495
Operating Supplies - Uniforms	1,697	1,697	1,644	53
Operating Supplies - Motor Fuels	44,210	44,210	9,158	35,052
Dues, Licenses	2,790	2,790	1,268	1,522
Capital Outlay-Equipment	1,300	1,300	-	1,300
Capital Improvements	1,830,000	1,830,000	4,251,406	(2,421,406)
<b>Total Field</b>	<b>2,745,463</b>	<b>2,745,463</b>	<b>4,885,727</b>	<b>(2,140,264)</b>
<b>Total Expenditures</b>	<b>3,161,946</b>	<b>3,161,946</b>	<b>5,285,184</b>	<b>(2,123,238)</b>
<b>Reserves:</b>				
Reserved for 1st Qtr Operating	450,000	450,000	-	450,000
Reserved for Projects & Emergencies	300,000	300,000	-	300,000
<b>Total Reserves</b>	<b>750,000</b>	<b>750,000</b>	<b>-</b>	<b>750,000</b>
<b>Total Expenditures &amp; Reserves</b>	<b>3,911,946</b>	<b>3,911,946</b>	<b>5,285,184</b>	<b>(1,373,238)</b>
<b>Excess Revenues Over (Under) Expenditures &amp; Reserves</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>	<b>\$ -</b>
<b>Fund Balance Beginning</b>			<b>5,815,787</b>	
<b>Fund Balance Ending</b>			<b>\$ 5,815,787</b>	

**Coral Springs Improvement District**  
 Water and Sewer Fund  
 Statement of Revenues, Expenses and Change in Net Assets

For the Period Ending September 30, 2015

	<b>Adopted Budget FYE 2015</b>	<b>Prorated Budget Thru 09-30-15</b>	<b>Actual 12 Months Ending 09-30-15</b>	<b>Variance Favorable (Unfavorable)</b>
<b><u>REVENUES:</u></b>				
Water Revenue	\$ 6,467,008	\$ 6,467,008	\$ 6,711,398	\$ 244,390
Sewer Revenue	5,852,977	5,852,977	5,969,105	116,128
Standby Revenue	1,872	1,872	2,512	640
Processing Fees	12,000	12,000	22,100	10,100
Lien Information Fees	9,000	9,000	18,825	9,825
Delinquent Fees	45,000	45,000	50,540	5,540
Contract Utility Billing Services	53,314	53,314	202,009	148,695
Contract HR & Payroll Services	11,463	11,463	11,463	-
Facility Connection Fees	-	-	-	-
Meter Fees	1,000	1,000	2,275	1,275
Line Connection Fees	-	-	900	900
Interest Income-2007 Bonds	-	-	1,465	1,465
Interest Income-Other	-	-	24,905	24,905
Rental Income	57,583	57,583	57,583	-
Technology Sharing Revenue	22,000	22,000	26,000	4,000
Misc. Revenues	12,000	12,000	64,108	52,108
Unrealized Gain (Loss)-SBA	-	-	7,799	7,799
Transfer from R & R Fund	452,000	452,000	642,060	190,060
Carryforward Prior Yr Fund Balance	553,899	553,899	146,949	(406,950)
<b>Total Revenues</b>	<b>13,551,116</b>	<b>13,551,116</b>	<b>13,961,996</b>	<b>410,880</b>

**Coral Springs Improvement District**  
**Water and Sewer Fund**  
**Statement of Revenues, Expenses and Change in Net Assets**

For the Period Ending September 30, 2015

	Adopted Budget FYE 2015	Prorated Budget Thru 09-30-15	Actual 12 Months Ending 09-30-15	Variance Favorable (Unfavorable)
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**EXPENSES:**

**Administrative**

Salaries/Wages/Overtime	818,286	818,286	809,081	9,205
Contract Personnel	-	-	-	-
Special Pay	2,025	2,025	1,951	74
FICA Taxes	62,599	62,599	61,477	1,122
Pension Expense	81,827	81,827	79,744	2,083
Health Insurance	121,613	121,613	132,432	(10,819)
Workers Comp. Insurance	5,498	5,498	1,542	3,956
Unemployment Comp	3,000	3,000	-	3,000
Engineering Fees	24,000	24,000	23,879	121
Trustee Fees and Other Exp.	17,500	17,500	14,611	2,889
Attorney Fees	30,000	30,000	10,926	19,074
Special Council Services	35,000	35,000	-	35,000
Travel & Per Diem	6,000	6,000	2,450	3,550
Annual Audit	11,100	11,100	11,100	-
Actuarial Computation-OPEB	3,315	3,315	3,315	-
Management Fees	76,385	76,385	76,385	-
Telephone	7,500	7,500	8,361	(861)
Postage	58,000	58,000	35,643	22,357
Printing & Binding	32,200	32,200	18,655	13,545
Electric	12,320	12,320	12,932	(612)
Rentals and Leases	3,800	3,800	5,845	(2,045)
Insurance	13,578	13,578	11,695	1,883
Repair and Maintenance	17,600	17,600	8,651	8,949
Legal Advertising	3,000	3,000	6,193	(3,193)
Other Current Charges	19,500	19,500	16,549	2,951
Credit Card Merchant Fees	54,000	54,000	52,710	1,290
Technology Expense	60,000	60,000	31,948	28,052
Digital Record Management	20,000	20,000	-	20,000
Toilet Rebate	14,850	14,850	16,236	(1,386)
Office Supplies	8,400	8,400	12,649	(4,249)
Dues, Memberships, Etc	12,100	12,100	8,988	3,112
Promotional Expenses	6,705	6,705	5,987	718
Capital Outlay	-	-	10,997	(10,997)
<b>Total Administrative</b>	<b>1,641,701</b>	<b>1,641,701</b>	<b>1,492,932</b>	<b>148,769</b>

**Coral Springs Improvement District**  
**Water and Sewer Fund**  
**Statement of Revenues, Expenses and Change in Net Assets**

For the Period Ending September 30, 2015

	Adopted Budget FYE 2015	Prorated Budget Thru 09-30-15	Actual 12 Months Ending 09-30-15	Variance Favorable (Unfavorable)
<b><u>Plant Operations</u></b>				
Salaries and Wages	1,564,428	1,564,428	1,434,784	129,644
Special Pay	2,594	2,594	2,545	49
FICA Taxes	119,679	119,679	109,485	10,194
Pension Expense	154,306	154,306	141,744	12,562
Health Insurance	287,520	287,520	275,218	12,302
Worker's Comp. Insurance	54,598	54,598	42,609	11,989
Water Quality Testing	102,229	102,229	111,857	(9,628)
Telephone	7,740	7,740	7,483	257
Electric Expense	686,404	686,404	665,908	20,496
Rentals & Leases	6,400	6,400	3,484	2,916
Insurance	233,556	233,556	201,435	32,121
Repair & Maint-General	708,861	708,861	381,767	327,094
Repair & Maint-Filters for Nano Plant	53,635	53,635	9,497	44,138
Sludge Management-Sewer	234,589	234,589	121,440	113,149
Advertisement for Employment	6,000	6,000	-	6,000
Office Supplies	6,540	6,540	1,733	4,807
Operating Supplies-General	34,300	34,300	97,406	(63,106)
Operating Supplies-Chemicals	460,436	460,436	355,963	104,473
Operating Supplies-Uniforms	8,290	8,290	6,699	1,591
Operating Supplies-Motor Fuels	179,605	179,605	38,829	140,776
Dues, Licenses, Etc.-Other	26,950	26,950	24,745	2,205
Capital Outlay	554,195	554,195	12,945	541,250
Renewal & Replacement Expense	352,000	352,000	642,060	(290,060)
<b>Total Plant Operations</b>	<b>5,844,855</b>	<b>5,844,855</b>	<b>4,689,636</b>	<b>1,155,219</b>



**Coral Springs Improvement District**  
**Water and Sewer Fund**  
**Statement of Revenues, Expenses and Change in Net Assets**

For the Period Ending September 30, 2015

	Adopted Budget FYE 2015	Prorated Budget Thru 09-30-15	Actual 12 Months Ending 09-30-15	Variance Favorable (Unfavorable)
<b><u>Field Operations</u></b>				
Salaries/ Wages/Overtime	645,086	645,086	637,324	7,762
Temporary Help	-	-	-	-
Special Pay	1,731	1,731	1,678	53
FICA Taxes	49,351	49,351	48,258	(11,457)
Pension Expense	64,509	64,509	60,808	3,701
Health Insurance	142,212	142,212	144,871	(2,659)
Worker's Comp. Insurance	30,063	30,063	18,152	11,911
Naturescape Irrigation Serv	4,410	4,410	4,410	-
Telephone	12,000	12,000	9,821	2,179
Electric	112,305	112,305	102,513	9,792
Rent Expense	-	-	12,133	(12,133)
Rent Expense-SCADA	56,040	56,040	56,040	-
Insurance	41,490	41,490	29,570	11,920
Repair and Maintenance	198,666	198,666	277,442	(78,776)
Meters-Replacement Program	86,946	86,946	2,829	84,117
Meters-New Connections	-	-	-	-
Meters-Supplies	4,000	4,000	-	4,000
Office Supplies	1,200	1,200	1,781	(581)
Operating Supplies-General	20,500	20,500	78,631	(58,131)
Operating Supplies-Uniforms	5,810	5,810	3,935	1,875
Operating Supplies-Motor Fuels	25,975	25,975	16,719	9,256
Dues, Licenses, Etc	2,694	2,694	3,558	(864)
Capital Outlay	46,100	46,100	4,270	41,830
Renewal & Replacement	100,000	100,000	-	100,000
<b>Total Field Operations</b>	1,651,088	1,651,088	1,514,743	123,795
<b>Total Operating Expenses</b>	9,137,644	9,137,644	7,697,311	1,427,783
<b>Reserves:</b>				
Required Reserve for R & R	1,000,000	1,000,000	1,000,000	-
<b>Total Operating Exp &amp; Reserve</b>	10,137,644	10,137,644	8,697,311	1,427,783
<b>Available for Debt Service</b>	3,413,472	3,413,472	5,264,685	1,838,663
<b><u>Debt Service</u></b>				
<b><u>Principal</u></b>				
2007 Series	1,125,000	1,125,000	1,125,000	-
<b><u>Interest</u></b>				
2007 Series	1,978,156	1,978,156	1,978,156	-
<b>Total Debt Service</b>	3,103,156	3,103,156	3,103,156	-
<b>Excess Revenues (Expenses)</b>	\$ 310,316	\$ 310,316	\$ 2,161,529	\$ 1,838,663
<b>Net Assets Beginning</b>				43,677,889
<b>Net Assets Ending</b>				\$ 45,839,418

**Coral Springs Improvement District**  
**Water and Sewer Fund**  
**Statement of Revenues, Expenses and Change in Net Assets**

For the Period Ending September 30, 2015

	Adopted Budget FYE 2015	Prorated Budget Thru 09-30-15	Actual 12 Months Ending 09-30-15	Variance Favorable (Unfavorable)
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<b>Summary of Operations and Debt Service Coverage</b>				
Revenues			13,961,996	
Operating Expenditures:				
Operating Expenditures-Admin			1,492,932	
Operating Expenditures-Plant			4,689,636	
Operating Expenditures-Field			1,514,743	
Total Operating Expenditures			<u>7,697,311</u>	
Required Reserve for R&R			1,000,000	
Total Operating Exp & Reserves			<u>8,697,311</u>	
Available for Debt Service			5,264,685	Debt Service Coverage 1.70
Less: Debt Service			<u>3,103,156</u>	
Excess Revenues (Exp)			<u>2,161,529</u>	

## CORAL SPRINGS IMPROVEMENT DISTRICT ASSESSMENT COLLECTIONS FOR FYE 2015

September 30, 2015

Date	Assessments Collected (net of all Commissions & Fees)
10-31-2014	\$ -
11-30-2014	177,174
12-08-2014	1,100,589
12-12-2014	182,905
12-30-2014	74,869
01-15-2015	45,855
02-13-2015	49,629
03-13-2015	39,654
04-15-2015	80,461
05-15-2015	18,679
06-15-2015	11,160
07-15-2015	30,824
08-15-2015	8
09-15-2015	8
<hr/>	
<b>Totals</b>	<b>\$ 1,811,815</b>

## Coral Springs Improvement District

Check Registers  
September 2015

<u>Fund</u>	<u>Check Date</u>	<u>Check No.</u>	<u>Amount</u>
General Fund	09-01-2015 thru 09-30-2015	3537 - 3558	\$ 722,819.28
<b>Total</b>			<b>\$ 722,819.28</b>
Water and Sewer	09-01-2015 thru 09-30-2015	19289 - 19517	\$ 1,742,107.11
<b>Total</b>			<b>\$ 1,742,107.11</b>

CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED YRMO	TO FND DPT ACCT#	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/04/15	00106					QUARTERLY CANALS 5070657 FLORIDA SPECTRUM ENV. SERVICES, INC		822.00	003537	
9/04/15	00346					HOSE FITTINGS BUSHING INDUSTRIAL HOSE & HYDRAULICS, INC.		7.47	003538	
9/04/15	00232					CSID FLAGS - 2 SHIPPING SMART FLAGS & BANNERS		280.22	003539	
9/04/15	00284					TRASH SERV-SUNSHINE 08/15 TRASH SERV-PINETREE 08/15 SERV-CSID GF 08/15 WASTE PRO-PEMBROKE PINES		969.84	003540	
9/15/15	00058					FLOATS/TAMPONS SEMINAR/SHAWN F PETTY CASH		11.94	003541	
9/15/15	00234					SOD/BANK REPAIR/8253NW6CT CORAL SPRINGS NURSERY, INC.		13.50	003542	
9/15/15	99999					VOID CHECK *****INVALID VENDOR NUMBER*****		.00	003543	
9/15/15	00051					TELEPHONE 09/15 POSTAGE 09/15 PRINTING & BINDING 09/15 RENT 09/15 TECHNOLOGY SHARING 09/15 OFFICE SUPPLIES 09/15 HEALTH INS-FIELD 9/15 GAP INSURANCE 09/15 FIRE & SECURITY 09/15 SUN-SENT-MTG,DIVING&CANAL BLUECROSS-PREM REBATE8/15 UNIFORM RENTAL 8/15 GASOLINE 8/15 NEXTEL 8/15 SAM'S CLUB-FIELD SUP 8/15 AMEX-F.PROYER CEU-SHAWN F AMEX-RX DISP BAGS 8/15 HEALTH INS-FLD INCR 8/15 CORAL SPRINGS IMPROVEMENT DIST WS		13,637.53	003544	
9/15/15	00233					UNIT=003 SHIFTER BOOT LABOR CYPRESS MOBIL		78.00	003545	
9/15/15	00023					12000 SW 1ST ST PS 2 121 NW 93RD TER PS 1 FLORIDA POWER & LIGHT CO.		110.03	003546	
9/15/15	00157					TRUCK SUPPLIES PEP BOYS		103.14	003547	
9/22/15	00043					RENEW FASD MEMBER.FY15/16 FLORIDA ASSOC. OF SPECIAL DISTRICTS		3,000.00	003548	
9/22/15	00267					WA 102-CANAL BK RESTORE WA 98 #6-PERMIT DESIGN GLOBALTECH		619,725.88	003549	
9/22/15	00287					PROF EDUC SRV-CPE COURSES HOLMES, M. KAY		329.30	003550	
9/22/15	00248					LEGAL SERVICES 8/2015 LEWIS, LONGMAN & WALKER, P.A.		3,504.20	003551	

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/22/15	00148				GLASSES TYVEK COVERALLS	RITZ SAFETY EQUIPMENT, LLC		275.86	003552
9/25/15	00080				AMT DUE WS 09/25/2015	CORAL SPRINGS IMPROVEMENT DIST WS		62,270.01	003553
9/25/15	00233				OIL CHANGE/UNIT=014	CYPRESS MOBIL		31.95	003554
9/25/15	00033				LOCKS	HOME DEPOT		32.21	003555
9/29/15	00033				CONCRETE/EYE BOLTS	HOME DEPOT		36.20	003556
9/29/15	00084				CULVERT INSPECTION	INDUSTRIAL DIVERS CORP.		16,500.00	003557
9/29/15	00186				WA 102-ADDITIONAL GEN'L ENGINEER	MCKUNE & ASSOCIATES, INC.		1,080.00	003558
							TOTAL FOR BANK A	722,819.28	
							TOTAL FOR REGISTER	722,819.28	

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CHECK DATE	VEND#	INVOICE DATE	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/04/15	99999			VOID CHECK	*****INVALID VENDOR NUMBER*****		.00	019289
9/04/15	99999			VOID CHECK	*****INVALID VENDOR NUMBER*****		.00	019290
9/04/15	01130			QUICKBOOKS DOCUMENTS-JAN FRED PRYOR-CEU-JAN Z. CEU-DAVID M. CEU-TIM M. CEU-MARK N. CEU-CURTIS D. CEU-ALVAN J. CEU-JOE S. CEU-ED S. CEU-ANGELA B. CEU-WILLIAM B. CEU-LUIS P. UF-CEU-VASCO T. SEMINAR-LUNCH 5 EMPLOYEES CREDIT-MONTHLY PLANNER SUPERMEDIA-TONER BRANDERS.COM-T-SHIRTS-WW HOLSTER-CURT'S PHONE NORTON-RICK H. FLOOR MAT SYSTEMS-MAT-UB FLOOR MAT SYSTEMS-MAT-FLD FLEETIO POSTAGE FRANCO-POSTAGE REFILL HOLSTER-DAN'S PHONE GARDNER-SALES TAX GARDNER-SALES TAX BEDBATH&-SHOWER BENCH BURKHARD'S-BRAKE CABLE FRED PRYOR-CEU-SHAWN F. WALGREENS-RX DIS BAGS				
9/04/15	00352			AMERICAN EXPRESS		5,487.32	019291	
9/04/15	00122			CITY OF CORAL SPRINGS		56,141.27	019292	
9/04/15	00017			COMPBENEFITS COMPANY		30.04	019293	
9/04/15	01150			FEDEX		72.09	019294	
9/04/15	01419			OFFICE DEPOT		234.30	019295	
9/04/15	01416			POSTMASTER		2,616.58	019296	
				UTILITY STMTS 08/2015				
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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED YRMO	TO... FND DPT ACCT#	SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/04/15	99999			08/2015			PRIDE ENTERPRISES		1,290.47	019297	
9/04/15	00425						*****INVALID VENDOR NUMBER*****		.00	019298	
							ADMIN-COFFEE SUPP ADMIN-WATER 6/15 ADMIN-CLEANING SUPP WATER-CLEANING SUPP WATER-COFFEE SUPP WW-COFFEE SUPP WW-CLEANING SUPP MAINT-COFFEE SUPP MAINT-CLEANING SUPP FIELD-COFFEE SUPP FIELD-CLEANING SUPP FIELD-GF-COFFEE SUPP FIELD-GF CLEANING SUPP FIELD-PT COFFEE SUPP FIELD-PT CLEANING SUPP FIELD-SS COFFEE SUPP FIELD-SS CLEANING SUPP				
9/04/15	00072						SAM'S CLUB/SYNCHRONY BANK		443.42	019299	
				08/15			MANAGEMENT FEE				
				08/15			SEVERN TRENT ENVIRONMENTAL SERVICES		6,562.62	019300	
9/04/15	00071						R & R FUND				
9/04/15	01183			09/15			US BANK		460,326.00	019301	
9/04/15	01467			09/15			INTEREST 2007 SER		164,847.00	019302	
9/04/15	01529			09/15			US BANK		93,750.00	019303	
9/04/15	01011						TRASH SERVICES-8/15		458.33	019304	
				09/15			COPIER LEASE #7232				
				09/15			COPIER READS #7232				
				08/15			COPIER LEASE #7835				
				08/15			COPIER READS #7835				
				08/15			COPIER LEASE #7535				
				08/15			COPIER READS #7535				
9/08/15	01194						XEROX CORPORATION		457.53	019305	
9/08/15	01527						NEW AC=014/ELEC.RM		6,525.00	019306	
9/08/15	99999						CABLE/WELL 3		706.00	019307	
9/08/15	00132						VOID CHECK		.00	019308	
							WASP SPRAY CLEANING TOOLS ABSORBANT/DIESEL SPILL 3/4" GATE VALVE SEMINAR/TIM M. SEMINAR/LUIS P. SEMINAR/JOANNE A SEMINAR/JOANNE A				

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CHECK DATE	VEND#	INVOICE DATE	EXPENSED TO YRMO	FND DPT ACCT#	SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/08/15	01330					SEMINAR/ALVAN J SEMINAR/ED S SEMINAR/JOE S IRRIGATION CONTROL VALVE SCRUBBER/POOL MIRACLE GROW	PETTY CASH	264.31	019309	
9/08/15	01267					FILTER/POOL	CHAPPY'S POOL STORE	97.00	019310	
9/08/15	01452					UNIT=141/2 REAR TIRES OIL AND FILTER INSTALL UNIT=028/AC COMPRESSOR	CYPRESS MOBIL	1,094.95	019311	
9/08/15	01233					RETURN SHIPPING/PMP 405 REPAIRS/PUMP 405	DELTA CONTROLS	652.00	019312	
9/08/15	99999					ANNUAL INSP. NANO ANNUAL INSPECT. FIELD ANNUAL INSPECT. GF	FIRE & SECURITY SOLUTIONS, INC.	450.00	019313	
9/08/15	00056					VOID CHECK	*****INVALID VENDOR NUMBER*****	.00	019314	
9/08/15	00377					CBOD & TSS 5080249 RO CONCENTRATE 5080250 CBOD & TSS 5080272 CBOD & TSS 5080296 BACT. WELLS 1-11 5080297 PLATE COUNT/5080298 FLUORIDE/5080299 WELL 10/11 5080343 WELL 10/11 5080349 TOTAL P&N 5080362 CBOD & TSS 5080390 CBOD & TSS 5080391 CBOD & TSS 5080392 RO CONCENTRATE 5080393 CBOD & TSS 5080418 CBOD & TSS 5080419 WELL 10/11 5080428	FLORIDA SPECTRUM ENV. SERVICES, INC	1,882.80	019315	
9/08/15	00179					MANIFOLD/PRESSURE WASHER EXHAUST GASKET	GREEN THUMB LAWN & GARDEN LLC	31.06	019316	
9/08/15	00033					SENSOR KIT FREIGHT	HACH COMPANY	1,027.77	019317	
9/08/15	01486					LIGHT BULB/ADMIN	HOME DEPOT	8.97	019318	
9/08/15	00142					DIESEL FUEL	LANK OIL COMPANY	997.53	019319	
9/08/15	01428					PARTS/PUMPS	MILLER BEARINGS, INC.	79.55	019320	
						AERATOR/ADMIN POOL				

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\*\*\* CHECK DATES 09/01/2015 - 09/30/2015 \*\*\* CSID - WATER & SEWER FUND BANK E CHECKING - W & S

CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/08/15	01175				FREIGHT BLUE TARP FINANCIAL, INC.(NORTHERN		1,238.60	019321	
9/08/15	00441				UNIFORMS-GF UNIFORMS-WATER UNIFORMS-WW UNIFORMS-MAINT UNIFORMS-FIELD UNIFIRST CORPORATION		206.66	019322	
9/08/15	01465				LAB EQUIP. FREIGHT LAB CHEMICALS LAB EQUIP. FREIGHT LAB CHEMICALS FRIEGHT USA BLUEBOOK		1,668.00	019323	
9/08/15	01354				BREAKER WORLD ELECTRIC SUPPLY, INC.		47.98	019324	
9/08/15	01373				GAP INS.DUE BY GF 09/2015 GAP INS PR DEDUCT 09/2015 AMERICAN PUBLIC LIFE INSURANCE		1,201.31	019325	
9/08/15	01374				PAYABLE DENTAL 10/15 ADMIN DENTAL 10/15 WATER DENTAL 10/15 WW DENTAL 10/15 MAINT DENTAL 10/15 FIELD DENTAL 10/15 AMERITAS LIFE INSURANCE CORP-DENTAL		4,662.04	019326	
9/08/15	00857				PAYABLE VISION 10/15 ADMIN VISION 10/15 WATER VISION 10/15 WASTE VISION 10/15 MAINT VISION 10/15 FIELD VISION 10/15 AMERITAS LIFE INSURANCE CORP-VISION		995.08	019327	
9/11/15	88888				REFRESHER COURSE-WW 3 CAPITAL ONE		450.00	019328	
9/11/15	88888				500231604 KAPLAN KYM/DAVI KYM/DAVID KAPLAN		61.93	019329	
9/11/15	88888				710011305 ZICARELLI JOSEP JOSEPH/PATRICIA ZICARELLI		1.70	019330	
9/11/15	88888				810147007 MOHAMMED IQBAL IQBAL MOHAMMED		21.27	019331	
9/11/15	88888				810154116 *CESPEDES/QUINT *C CESPEDES/R QUINTEROS		61.93	019332	
9/11/15	88888				810215006 ROSADO RICHARD/ RICHARD/LYDIA ROSADO		25.02	019333	
9/11/15	88888				610290802 SADKOWSKI EUGEN EUGENE SADKOWSKI		112.58	019334	
9/11/15	88888				610294804 RICE STACY STACY RICE		61.93	019335	
9/11/15	88888				510689205 FRATELCA/EUKUPI FRATELCA CORP/URKUPINA ENT LLC		100.00	019336	
9/11/15	88888				011639204 REAL ESTATE HOM REAL ESTATE HOME SALES		138.86	019337	

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CHECK DATE	VEND#	INVOICE DATE	EXPENSED TO YRMO	FND DPT ACCT#	SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/11/15	88888					011668916 PELTON DREW	DREW PELTON		66.65	019338
9/11/15	88888					620190505 GILA ROZEN LLC	GILA ROZEN LLC		100.00	019339
9/11/15	88888					020390108 CUENCA A/BLONDI	ADIEN CUENCA/ARMANDO BLONDIN		49.79	019340
9/11/15	88888					220509714 BOLTON RICHARD	*RICHARD C BOLTON		61.93	019341
9/11/15	88888					920555305 *DORNBUSH DIANN	*DIANNE DORNBUSCH		150.37	019342
9/11/15	88888					520938106 RIBERIA ROSANA	*ROSANA RIBEIRA		61.93	019343
9/11/15	88888					830075204 PALOVICHIK TAMY	TAMMY PALOVICHIK		100.95	019344
9/11/15	88888					730111207 *MCCARTHY PAUL	*PAUL MCCARTHY		61.93	019345
9/11/15	88888					730285105 SHAH SANGITA KI	SANGITA KIRIT SHAH		35.79	019346
9/11/15	88888					230308106 COLLINS LIOR	LIOR COLLINS		38.19	019347
9/11/15	88888					640194510 REAL ESTATE HOM	REAL ESTATE HOMES SALES		61.93	019348
9/11/15	88888					640196904 FELDMAN ILENE	ILENE FELDMAN		51.64	019349
9/11/15	88888					240318906 WHITELY TREVOR	TREVOR WHITELY		211.93	019350
9/11/15	88888					940551805 HERNANDEZ DEBOR	DEBORAH/ALEX HERNANDEZ		73.35	019351
9/11/15	88888					940555008 IH2 PROPERTIES	IH2 PROPERTIES FL LP		100.00	019352
9/11/15	88888					940555009 *GILLULY BILL	*BILL GILLULY		22.01	019353
9/11/15	88888					040598005 HANSEN CHRISTIN	CHRISTINE HANSEN		100.00	019354
9/11/15	88888					140709409 OCWEN LOAN SERV	OCWEN LOAN SERVICES LLC		428.42	019355
9/11/15	88888					350090710 ALTISOURCE SOLU	ALTISOURCE SOLUTIONS		55.90	019356
9/11/15	88888					850137608 SWACKHAMER CHRI	CHRISTOPHER/NICOLE SWACKHAMER		58.28	019357
9/11/15	88888					450190624 *LYONS CRYSTAL	*CRYSTAL LYONS		60.27	019358
9/11/15	88888					350255505 CHURCHILL STEVE	STEVEN CHURCHILL		61.93	019359
9/11/15	88888					050378012 ALVAREZ ADA/ANG	ADA/ANGEL ALVAREZ		141.09	019360
9/11/15	88888					050392905 MARCHESE GERTRU	GERTRUDE MARCHESE		20.23	019361
9/11/15	88888					760034606 BARBER DOUGLAS	DOUGLAS C BARBER		1.47	019362
9/11/15	88888					760064012 MONECK JOSEPH T	JOSEPH T MONECK		48.00	019363
9/11/15	88888					960433607 BLOOM ERIC	ERIC BLOOM		23.86	019364

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED YRMO	TO FND DPT ACCT#	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/11/15	88888		960640109		IH3 PROPERTY LL	IH3 PROPERTY LLC		58.07	019365	
9/11/15	88888		060672604		MEDICO PHILIP	PHILIP MEDICO		56.08	019366	
9/11/15	88888		160767713		*GARCIA NEREIDA	*NEREIDA GARCIA		61.93	019367	
9/11/15	88888		660787409		*PRINCEVALLI LI	*LISA PRINCEVALLI		61.93	019368	
9/11/15	88888		370056309		YOSEF GILLI	GILLI YOSEF		100.00	019369	
9/11/15	88888		370351804		LEWIS DAVID	DAVID LEWIS		38.07	019370	
9/11/15	88888		370419904		WOOD ANTHONY	ANTHONY WOOD		61.93	019371	
9/11/15	88888		970651307		*LEWIS EDMUND	*EDMUND LEWIS		24.44	019372	
9/11/15	88888		970671107		*REEVES MARY	*MARY REEVES		35.49	019373	
9/11/15	88888		170739505		MAHLER MARTIN	MARTIN MAHLER		61.93	019374	
9/11/15	88888		170750503		LOPEZ LUIS	LUIS LOPEZ		67.11	019375	
9/11/15	88888		280339511		*SMITH MICHAEL	*MICHAEL SMITH		100.00	019376	
9/11/15	88888		980680704		INMAN CRAIG	CRAIG INMAN		75.93	019377	
9/11/15	88888		790050408		INTRASENA ALISA	ALISA INTRASENA		6.28	019378	
9/11/15	88888		790064606		*RESTREPO CAROL	*CAROLINA RESTREPO		11.39	019379	
9/11/15	88888		790082209		MAHONEY ROSEALI	ROSEALIE MAHONEY		5.88	019380	
9/11/15	88888		790086312		*COLON IVETTE	*IVETTE COLON		29.88	019381	
9/11/15	88888		790220705		%PHILLIS LENTZ	COMPLETE REAL ESTATE OPTIONS		61.93	019382	
9/11/15	88888		790772103		COOPER THANIA	THANIA COOPER		25.62	019383	
9/11/15	88888		790772204		*JONES CARMEN	*CARMEN JONES		41.41	019384	
9/11/15	88888		790784607		*ELKIN JASON	*JASON ELKIN		61.93	019385	
9/11/15	88888		790789905		*DIAZ GLORIA L	*GLORIA L DIAZ		14.36	019386	
9/11/15	88888		790795308		*BUTLER MIKE	*MIKE BUTLER		23.86	019387	
9/11/15	88888		890899709		*MURPHY ALLEN	*ALLEN MURPHY		54.51	019388	
9/11/15	88888		890903012		*FARRAR BROOKS	*BROOKS FARRAR		62.88	019389	
9/11/15	88888		890903108		*SCHOMBURGER GA	*GARY/STACEY SCHOMBURGER		61.93	019390	
9/14/15	01040				INTERNET CONNECTION 09/15	ADVANCED CABLE COMMUNICATIONS		125.35	019391	

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CHECK DATE	VEND#	INVOICE DATE	EXPENSED TO NUMBER YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/14/15	00822		AFLAC P/R DEDUCT 09/2015	AFLAC			2,683.50	019392
9/14/15	00694		TECH SUPP 07/26-08/25/15	ASSOCIATED SYSTEMS, INC.			1,185.00	019393
9/14/15	01162		CLEAN INT & EXT. ADM BLDG CLEAN INT & EXT. FLD BLDG	THE FINAL TOUCH			820.00	019394
9/14/15	01007		AD FOR PLANT WW OPERATOR	FLORIDA WATER RESOURCES JOURNAL			460.00	019395
9/14/15	00023		ADMIN ELECTRIC 08/15 PLT-WATER ELECTRIC 08/15 PLT-WASTE ELECTRIC 08/15 FIELD ELECTRIC 08/15	FLORIDA POWER & LIGHT CO.			65,457.75	019396
9/14/15	01329		IRA-09/08/15 PLAN 7058800	VANTAGEPOINT TRANSFER AGENTS-705880			855.00	019397
9/14/15	01500		CEU-TIM M.	MARTIN, TIM			69.00	019398
9/14/15	01459		POST ACCIDENT - WW DRUG SCREEN 6/22/15-FIELD	MEDEXPRESS URGENT CARE OF BOYNTON			105.00	019399
9/14/15	01150		MISC. OFFICE SUPP-ADMIN	OFFICE DEPOT			52.54	019400
9/14/15	01434		PLASTIC DOOR HANGERS-CSID	MICHAEL PEAKE			211.00	019401
9/14/15	01175		UNIFORMS-WATER UNIFORMS-WW UNIFORMS-MAINT UNIFORMS-FIELD UNIFORMS-GF	UNIFIRST CORPORATION			206.66	019402
9/14/15	01264		ADMIN PHONE 09/15 FIELD PHONE 09/15	WINDSTREAM NUVOX, INC.			139.20	019403
9/14/15	01264		ADMIN PHONE 09/15 WASTE PHONE 09/15 FIELD PHONE 09/15	WINDSTREAM NUVOX, INC.			185.98	019404
9/14/15	01194		AC=012 REFRIGERANT AC=012 NEW UNIT	AIR AMERICA AIR CONDITIONING, LLC			4,210.30	019405
9/14/15	01158		AC=012 SERV CALL	AIR AROUND THE CLOCK			105.00	019406
9/14/15	00005		COT-SOD HYPO/CHOLRIN FUEL SURCHARGE	ALLIED UNIVERSAL CORP.			3,337.04	019407
9/14/15	01503		REBUILT/DW/MOTOR/200HP	CONDO ELECTRIC CORP REPAIR			4,950.00	019408
9/14/15	01256		SOD PALLET FEE SOD/PIECE PALLET REFUND SOD-WATER BREAK					

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\*\*\* CHECK DATES 09/01/2015 - 09/30/2015 \*\*\*

CSID - WATER & SEWER FUND  
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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
9/14/15	00621			PALLET FEE RED MULCH BAG SOD/PALLET PALLET FEE	CORAL SPRINGS NURSERY, INC.		518.05	019409	
9/14/15	01267			VIBRATION TEST/WTP VIBRATION TEST/WWTP	CORNELL BALANCING CO., INC.		1,176.00	019410	
9/14/15	01327			UNIT=027/AC CHECK UNIT=027/OIL CHANGE	CYPRESS MOBIL		91.95	019411	
9/14/15	01257			RENTAL-FEE CENTRAL SITE RENTAL FEE LIFT STATION	DATA FLOW SYSTEMS, INC		4,670.00	019412	
9/14/15	00018			SULFURIC ACID ANTISCALANT SODIUM HYDROXIDE SOLUTION FLUORIDE CLEARFLOW	THE DUMONT COMPANY, INC.		13,333.00	019413	
9/14/15	00056			COUPLINGS COUPLINGS COUPLINGS	FERGUSON ENTERPRISES, INC.		1,103.16	019414	
9/14/15	01515			MONITORING WELLS	FLORIDA SPECTRUM ENV. SERVICES, INC		751.20	019415	
9/14/15	01046			ASPHALT AUGUST	HARDRIVES ASPHALT COMPANY		901.36	019416	
9/14/15	00033			BRASS REDUCER BRASS NIPPLE AIR VALVE/WELLS	HD SUPPLY WATERWORKS, LTD		576.44	019417	
9/14/15	01093			HOSES/CLAMPS PLANT SUPPLIES MICROWAVE/SUPPLIES ROPE FOR AREATOR/POND MAINT. SUPPLIES FIELD TOOLS	HOME DEPOT		729.38	019418	
9/14/15	01486			JULY MAINT. MAINT/SEPT/CANAL BANK MONTHLY MAINT. SEPT	JLS LANDSCAPE SERVICES, INC.		8,500.82	019419	
9/14/15	01468			PLANT WATER GAS PLANT WASTE GAS PLANT MAINT GAS FIELD GAS	LANK OIL COMPANY		4,241.70	019420	
9/14/15	00696			SHOWER REMODEL-FINAL	LAZ & ASSOCIATES, LLC		2,011.00	019421	
9/14/15	00045			TITLE SEARCH/REVIEW	PAUL E. BREWER & ASSOCIATES, INC.		525.00	019422	
				UNIT=118 BATTERY ALL LS PUMP REPAIRS	PEP BOYS		138.77	019423	

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9/14/15	00066				DISTILLED WATER	READYREFRESH		27.93	019424
9/14/15	00351				STEEL TOE BOOTS/STEVE O STEEL TOE BOOTS/DWAYNE	RITZ SAFETY EQUIPMENT, LLC		31.26	019425
9/14/15	01221				OIL/FILTER CHANGE OIL/UNIT=118 235-70-15 TIRES	SHADOWOOD MOBIL		616.93	019426
9/14/15	00194				VAC CLEAN-19 ST DISPOSAL FEE FUEL SURCHARGE	SHENANDOAH GENERAL CONSTRUCTION		1,360.00	019427
9/14/15	00753				REPAIRS/1950 NW 105TH LN	ZEE BEST PLUMBING, INC.		170.00	019428
9/16/15	01135				PROGRAM/ACID PUMPS	ADS ENGINEERING, PLLC		360.00	019429
9/16/15	00005				AQUA CHLORINATE FUEL SURCHARGE COT-SOD HYPO FUEL SURCHARGE COT-SOD HYPO FUEL SURCHARGE AQUA CHLORINATE FUEL SURCHARGE AQUA CHLORINATE FUEL SURCHARGE COT-SOD HYPO FUEL SURCHARGE	ALLIED UNIVERSAL CORP.		9,834.28	019430
9/16/15	00169				WELL 3 MOTOR SWAP	AQUIFER MAINT & PERFORMANCE SYSTEMS		2,975.00	019431
9/16/15	00361				GENERATORS/FUEL CLEAN	CLEAN FUELS OF FLORIDA, INC.		3,534.00	019432
9/16/15	01479				GPR-LOCATES SERVICE	CRAIG A.SMITH & ASSOCIATES		900.00	019433
9/16/15	99999				VOID CHECK	*****INVALID VENDOR NUMBER*****		.00	019434
9/16/15	01452				DW VALVE/HSP 1 DW PILOT VAVLE BRASS FITTING 7/16/15-LABOR 7/17/15-LABOR 7/20/15-LABOR 8/12/15-LABOR 9/3/15-LABOR HITACHI 25HP PUMP 2 COPPER TERMINAL ENDS 3FT CONDUIT/NEW VFD 8/25/15-LABOR 8/26/15-LABOR 8/28/15-LABOR	DELTA CONTROLS		3,609.00	019435
9/16/15	01257				AMMONIUM SULFATE	THE DUMONT COMPANY, INC.		1,017.50	019436

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9/16/15	99999			VOID CHECK			.00	019437	
9/16/15	00056			*****INVALID VENDOR NUMBER*****					
				CBOD & TSS 5080540 CBOD & TSS 5080539 QUARTERLY/MONITORING CBOD & TSS 5080573 RO CONCENTRATE 5080574 MONTHLY BACTERIA 5080636 MONTHLY BACTERIA 5080693 MONTHLY BACTERIA 5080694 SOUR 3 5080696 CBOD & TSS 5080697 CBOD & TSS 5080701 QUARTERLY/MONITORING WELL 3/10 5080756 WELLS 3/10 5080758 CBOD & TSS 5080759 SOUR 1 5080761 CBOD & TSS 5080763 SOUR 2 5080764 CBOD & TSS 5090018 RO CONCENTRATE 5090019 CBOD & TSS 5090026 CBOD & TSS 5090027					
9/16/15	00063			FLORIDA SPECTRUM ENV. SERVICES, INC		5,584.80	019438		
				V-BELTS/BLOWERS LS PUMP REPAIR PARTS	GRAINGER, INC.		915.84	019439	
9/16/15	00033			HDTV ANTENNA WW SHOWER BULB/BOARD ROOM TAX BULBS/MCKUNES OFFICE PVC/HEADWORKS SUPPLIES/HEADWORKS SUPPLIES/HEADWORKS	HOME DEPOT		219.74	019440	
9/16/15	00142			BELTS/LIFT STATION	MILLER BEARINGS, INC.		25.14	019441	
9/16/15	00351			2XL TRAFFIC VEST GLOVES XL STEEL TOE BOOTS/11 STEEL TOE BOOTS/12 DENIM APRON GLOVES XL GLOVES LARGE CLEAR FACESHIELD	RITZ SAFETY EQUIPMENT, LLC		487.13	019442	
9/16/15	00053			PAINT/HS PUMP BLDG	SHERWIN-WILLIAMS		1,059.05	019443	
9/16/15	00441			LAB CHEMICALS LAB CHEMICALS HYD FLOW TEST KIT					

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\*\*\* CHECK DATES 09/01/2015 - 09/30/2015 \*\*\*

CSID - WATER & SEWER FUND  
BANK E CHECKING - W & S

CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
				FREIGHT					
				NOZZLE ELBOW					
9/16/15	01450			FREIGHT	USA BLUEBOOK		1,580.08	019444	
9/16/15	01318			CARTRIDGE FILTERS	WACO FILTERS CORPORATION		5,238.15	019445	
9/21/15	01309			LS REPAIR KITS/ALL SHIPPING WEIGHT CHARGES	XYLEM WATER SOLUTIONS U.S.A., INC.		8,081.15	019446	
9/21/15	00609			0135810-039-WC PERMIT	BROWARD COUNTY HEALTH DEPARTMENT		150.00	019447	
9/21/15	01452			0135810-040-WC PERMIT					
9/21/15	01155			CHLORINATION ADS	CITY OF CORAL SPRINGS		752.37	019448	
9/21/15	01155			REPAIRS TO WELL 2/3	DELTA CONTROLS		670.00	019449	
9/21/15	00514			LIAB/PROP INS-GF ADMIN					
				LIAB/PROP INS-GF FIELD					
				LIAB/PROP INS-WS ADMIN					
				LIAB/PROP INS-WS WATER					
				LIAB/PROP INS-WS WW					
				LIAB/PROP INS-WS MAINT					
				LIAB/PROP INS-WS FIELD	EGIS INSURANCE ADVISORS, LLC		187,556.00	019450	
9/21/15	01341			SLUDGE MGMT SEWER 08/15	H & H LIQUID SLUDGE DISPOSAL, INC.		14,352.00	019451	
9/21/15	00155			LS#8/SWR MAIN CLEAN&INSP	LMK PIPE RENEWAL LLC		30,921.40	019452	
9/21/15	01522			ADMIN NEXTEL 09/15					
				PLANT-WATER NEXTEL 09/15					
				PLANT-WASTE NEXTEL 09/15					
				PLANT-MAINT NEXTEL 09/15					
				FIELD NEXTEL 09/15					
				NEXTEL 09/15 DUE SUNSHINE					
				NEXTEL 09/15 DUE CSID GF	NEXTEL COMMUNICATIONS		1,263.61	019453	
9/21/15	01150			HSP BLDG ROOF-R&R	NYC CONSTRUCTION GROUP, INC.		17,694.65	019454	
9/21/15	01435			OFFICE SUPP-JAN	OFFICE DEPOT		48.20	019455	
9/21/15	01494			JAN-DEC 2016-TOP HEALTH	PERSONAL BEST		492.60	019456	
9/21/15	00200			WRKR COMP-GF ADMIN					
				WRKR COMP-GF FIELD					
				WRKR COMP-WS ADMIN					
				WRKR COMP-WS WATER					
				WRKR COMP-WS WW					
				WRKR COMP-WS MAINT					
				WRKR COMP-WS FIELD	SUMMIT		68,002.22	019457	
9/21/15	01175			STAFF MEETING	SUN-SENTINEL (SOUTH FLORIDA)		32.55	019458	
				UNIFORM-DAVID M.					

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CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED YRMO	TO FND DPT ACCT#	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
						UNIFORMS-WATER UNIFORMS-WW UNIFORMS-MAINT UNIFORMS-FIELD UNIFORMS-GF			255.27	019459
9/21/15	01264					UNIFIRST CORPORATION				
						ADMIN PHONE 09/15 FIELD PHONE 09/15			512.46	019460
9/21/15	01264					WINDSTREAM NUVOX, INC.				
						FRONT GATE PHONE 09/15			57.43	019461
9/25/15	01135					WINDSTREAM NUVOX, INC.				
						TRANSMITTER PROGRAM/NEW			900.00	019462
9/25/15	01194					ADS ENGINEERING, PLLC				
						AC=005 CLEAR DRAIN LINE			240.78	019463
9/25/15	01227					AIR AMERICA AIR CONDITIONING, LLC				
						BI-ANNUAL PM/CAMERAS LABOR SHIIPING/DVR			584.76	019464
9/25/15	01502					AMC SURVEILLANCE CAMERAS				
						KEYPAD BOARD LABOR			671.00	019465
9/25/15	01089					AT & I SYSTEMS				
						PLANT PHONE WATER 09/15			109.45	019466
9/25/15	01452					AT & T				
						CALIBRATION CERTIFICATES LABOR/MISC SERVICES			540.00	019467
9/25/15	01257					DELTA CONTROLS				
						SULFURIC ACID			1,575.00	019468
9/25/15	99999					THE DUMONT COMPANY, INC.				
						VOID CHECK *****INVALID VENDOR NUMBER*****			.00	019469
9/25/15	00056									
						SOUR 4 5090069 SOUR 5 5090070 WELLS 3/10 5090071 SOUR 6 5090072 CBOD & TSS 5090073 CBOD & TSS 5090074 SOUR 7 5090104 RO CONCENTRATE 5090114 CBOD & TSS 5090115 CBOD & TSS 5090126 CBOD &TSS 5090202 QUARTERLY/MONITORING TOTAL P&N 5090246 CBOD & TSS 5090250 CBOD & TSS 5090251				
9/25/15	01360					FLORIDA SPECTRUM ENV. SERVICES, INC			1,812.00	019470
						WA#101-WELLS 4&7CONSTRUCT WA # 106 LIME PLANT DEMO WA# 107-4-LOG DEM PERMIT WA 88-INFLUENT 08/15 WA 99-PUMP MODS-#10-8/15 WA 105-WW EFF PUMP ELECT			226,421.88	019471
9/25/15	01046					GLOBALTECH				
						AIR VALVES/WELLS			549.32	019472
						HD SUPPLY WATERWORKS, LTD				

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9/25/15	01512			BLOWER #1	HEAVY DUTY SERVICES, INC		180.00	019473
9/25/15	01321			FICPA-DUES7/1/15-6/30/16	HOLMES, M KAY		260.00	019474
9/25/15	00033			MAINT. SUPPLIES WWTP SUPPLIES PARTS/ANALYZER	HOME DEPOT		261.23	019475
9/25/15	01329			IRA-09/22/15 PLAN 7058800	VANTAGEPOINT TRANSFER AGENTS-705880		855.00	019476
9/25/15	01302			LEGAL SERVICES 8/2015	LEWIS, LONGMAN & WALKER, P.A.		4,677.00	019477
9/25/15	01150			OFFICE SUPP-SCANNED STAMP OFFICE SUPP-PADS - SS OFFICE SUPP-ENVELOPES-ADM	OFFICE DEPOT		51.67	019478
9/25/15	01434			2000 STICKER LABELS-CSID	MICHAEL PEAKE		232.00	019479
9/25/15	01443			POSTAGE METER INK PIC40	POSTAL LOGIC LLC		246.00	019480
9/25/15	01392			CSID-REMITTANCE ENVELOPES CSID-WELCOME LTRS 1,000 AVOID PENALTIES LETTERS	PRINTING CORP. OF THE AMERICAS, INC		335.00	019481
9/25/15	00351			SAFETY SUPPLIES	RITZ SAFETY EQUIPMENT, LLC		122.00	019482
9/25/15	00782			LOCATES/AUGUST	SUNSHINE STATE ONE CALL OF FLA.		162.82	019483
9/25/15	01290			REHAB LS/15	TRIO DEVELOPMENT CORPORATION		61,358.56	019484
9/25/15	00441			LAB CHEMICAL LAB CHEMICALS	USA BLUEBOOK		59.74	019485
9/29/15	01085			STRUTS EYE BOLTS	A. TARLER, INC.		238.50	019486
9/29/15	00005			CHLORINATE FUEL SURCHARGE COT-SOD HYPO FUEL SURCHARGE	ALLIED UNIVERSAL CORP.		3,355.16	019487
9/29/15	01227			NANO CAMERAS/SERVICE CALL LABOR DISCOUNT	AMC SURVEILLANCE CAMERAS		140.00	019488
9/29/15	01354			GAP INS-PTREE 10/15 GAP INS-GF/BOARD 10/15 GAP INS W/H-WS+GF 10/15	AMERICAN PUBLIC LIFE INSURANCE		1,142.67	019489
9/29/15	00122			ADDL DENTAL ADMIN 10/15	COMPBENEFITS COMPANY		30.04	019490
9/29/15	01256			PALLET FEE SOD/PALLET	CORAL SPRINGS NURSERY, INC.		151.00	019491
9/29/15	01267			UNIT=045/REAR BRAKES				

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9/29/15	01452			UNIT=045/OIL CHANGE	CYPRESS MOBIL			605.00	019492
				BRACKET/HSP POWER SUPPLY/HSP SURGE SUPPRESSOR/HSP SIGNAL ISOLATOR/HSP RELAY/HSP LABOR VFD REPAIR CALIBRATION CERT./WELLS LABOR					
9/29/15	00017				DELTA CONTROLS			3,529.00	019493
9/29/15	01423			OVERNIGHT SERV - CSID WS	FEDEX			29.07	019494
				ADMIN HLTH INS-GF 10/15 FIELD HLTH INS-GF 10/15 DUE FROM SHANK 10/15 DUE FROM MEADOW PT 10/15 DUE FROM PTREE 10/15 ADMIN HLTH INS 10/15 WATER HLTH INS 10/15 WW HLTH INS 10/15 MAINT HLTH INS 10/15 FIELD HLTH INS 10/15					
9/29/15	00056				FLORIDA BLUE			52,434.40	019495
				CBOD & TSS 5090272 CBOD & TSS 5090273 RO CONCENTRATE 5090274 LIQUID SLUDGE COMP/GRAB WELL #7 5090340 PLATE COUNT 5090341 WELLS 1-11 5090342 FLUORIDE 5090343					
9/29/15	00063				FLORIDA SPECTRUM ENV. SERVICES, INC			1,134.00	019496
9/29/15	00179			BELTS/DW FANS	GRAINGER, INC.			46.84	019497
9/29/15	01046			PH SENSOR/DIGESTER 1	HACH COMPANY			350.53	019498
9/29/15	00033			PVC/HYPO CHLORITE TANK	HD SUPPLY WATERWORKS, LTD			122.46	019499
9/29/15	01281			SUPPLIES/EMERG. LIGHTS LIGHT/CATWALK	HOME DEPOT			158.23	019500
9/29/15	01061			MOVE PHONE-PROGRAM X659	I.D. TELECOM & DATA, INC.			85.00	019501
9/29/15	01056			REIMBURSE GAP INS 8/14	MCINTOSH, DAVID			14.88	019502
9/29/15	00142			WA 105-EFFLUENT PUMP	MCKUNE & ASSOCIATES, INC.			390.00	019503
9/29/15	01231			PARTS/PRESSURE WASHER	MILLER BEARINGS, INC.			50.08	019504
				ADMIN LIFE INS 10/15 WATER LIFE INS 10/15 WW LIFE INS 10/15					
					CSID -----CSID----- KWOOD				

CHECK DATE	VEND#	INVOICE DATE	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
			MAINT LIFE INS 10/15 FIELD LIFE INS 10/15 LIFE INS W/H..WS 10/15 LIFE INS W/H..GF 10/15 LIFE INS..CSID-GF.ER10/15 LIFE INS..MEAD PT-ER10/15 LIFE INS.PTREE-ER 10/15 LIFE INS.PTREE-EE 10/15	MUTUAL OF OMAHA		5,916.75	019505	
9/29/15	01471							
			HURRICANE SATELLITE PHONE	NETWORK INNOVATIONS US, INC.		12.41	019506	
9/29/15	01355							
			DR-SEPTEMBER 2015 SERVICES 08/26-09/25/2015	OFFICESTREAM, INC.		735.00	019507	
9/29/15	01406							
			DFS SHIPPING	PAKMAIL		39.28	019508	
9/29/15	01419							
			REIMB TO \$7,000 09/30/15	POSTMASTER		1,810.84	019509	
9/29/15	01460							
			INSTALL 145 METERS INSTALL 105 METERS DIRECT CONNECT 47 INSTALL 9 METERS INSTALL 137 METERS	RG-4 ENDEAVORS,LP D/B/A RG-3		9,821.00	019510	
9/29/15	99999							
			VOID CHECK	*****INVALID VENDOR NUMBER*****		.00	019511	
9/29/15	00425							
			ADMIN-PICNIC/LUNCH 9/15 ADMIN-HURRICANE FOOD 8/15 ADMIN-MICROWAVE 8/15 ADMIN-COFFEE SUPP ADMIN-CLEANING SUPP WATER-CLEANING SUPP WATER-COFFEE SUPP WW-COFFEE SUPP WW-CLEANING SUPP MAINT-COFFEE SUPP MAINT-CLEANING SUPP FIELD-COFFEE SUPP FIELD-CLEANING SUPP FIELD-GF-COFFEE SUPP FIELD-GF CLEANING SUPP FIELD-PT COFFEE SUPP FIELD-PT CLEANING SUPP FIELD-SS COFFEE SUPP FIELD-SS CLEANING SUPP	SAM'S CLUB/SYNCHRONY BANK		1,041.40	019512	
9/29/15	01042							
			PORTABLE AC UNITS/HSP RM CREDIT RENTAL	SUNBELT RENTALS		601.60	019513	
9/29/15	01531							
			SUPPLIES CREDIT/AERO SPRAY	SUPPLYWORKS		260.58	019514	
9/29/15	01290							
			LS 15 REHAB	TRIO DEVELOPMENT CORPORATION		37,763.90	019515	
9/29/15	01175							
			UNIFORMS-WATER					
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 CSID - WATER & SEWER FUND  
 BANK E CHECKING - W & S

CHECK DATE	VEND#	INVOICE DATE	NUMBER	EXPENSED TO YRMO FND DPT ACCT# SUB	VENDOR NAME	STATUS	AMOUNT	CHECK AMOUNT	CHECK #
				UNIFORMS-WW UNIFORMS-MAINT UNIFORMS-FIELD UNIFORMS-GF UNIFORMS-WATER UNIFORMS-WW UNIFORMS-MAINT UNIFORMS-FIELD UNIFORMS-GF	UNIFIRST CORPORATION			656.98	019516
9/29/15	01498			AIR COMPRESSOR KAO FEE AIR COMPRESSOR KAO FEE	USA EQUIPMENT SOLUTIONS			1,320.00	019517
					TOTAL FOR BANK E			1,742,107.11	
					TOTAL FOR REGISTER			1,742,107.11	

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