RESOLUTION NO. 2013-09

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO VILLAGEWIDE LOCALIZED DRAINAGE IMPROVEMENTS PHASE V LOCATED AT VARIOUS LOCATIONS WITHIN THE VILLAGE OF PALMETTO BAY; FURTHER AUTHORIZING THE VILLAGE MANAGER TO ENTER INTO AN AGREEMENT WITH STANTEC CONSULTING SERVICES, INC. TO PROVIDE CONSTRUCTION MANAGEMENT OF DRAINAGE IMPROVEMENTS, AND TO APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT NOT TO EXCEED $31,400.00; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, currently, Phase V drainage improvement projects consisting of eleven (11) localized drainage systems located at various locations throughout the Village, more specifically, SW 174TH ST (from SW 77TH AVE to Old Cutler Road)/SW 74TH CT (from 174TH Street to 176TH ST), SW 176TH ST (from 77TH AVE to 75TH AVE)/SW 74TH PL (from Cul de Sac)/SW 75TH AVE (from 178TH TER to 176TH ST)/ SW 178TH TER (from 77TH AVE to 75TH AVE), SW 92ND AVE (from 163RD TER to middle of North Bend), SW 91ST AVE (from SW 168TH ST to SW 164TH ST), SW 81ST AVE (from SW 151ST ST to 148TH DR), SW 73RD CT & SW 154TH TER, SW 74TH AVE & SW 145TH TER, SW 145 TER (from SW 68TH CT to SW 68TH AVE) SW 68TH CT (UP TO 144TH TER), SW 148TH ST (from SW 80TH AVE to SW 78TH AVE), SW 72ND AVE (from SW 144TH ST to SW 139TH ST), SW 161ST ST (from SW 80TH AVE to SW 78TH AVE) consist of closed systems with small isolated drainage facilities, no existing drainage and/or several small exfiltration systems at low points in the roadway. The roadways reportedly flood heavily during major rainfall events; and

WHEREAS, Corzo Castella Carballo Thompson Salman, P.A. (C3TS) evaluated drainage improvements in the eleven (11) localized areas with resident reported history of flooding and according to data collection and field evaluations C3TS recommended implementing drainage improvements to reduce localized flooding during severe storm events; and

WHEREAS, C3TS has provided the Village of Palmetto Bay with design, permitting and bidding support for the eleven (11) areas in Phase V Localized Drainage Improvements; and

WHEREAS, the Village Administration desires to select C3TS under the name its new owner Stantec to provide construction support for Phase V Localized Drainage Improvements in accordance with the 100% construction plans and the established guidelines and procedures utilized by Miami- Dade County Public Works Department, Florida Department of Transportation and the Department of Environmental Resource Management; and

WHEREAS, Phase V localized drainage improvements will be constructed in two (2) phases; construction support of phase I projects is scheduled to commence in FY 2012-13; and

WHEREAS, the cost for construction support for phase 1 project areas (1, 2, 4, 7, 8, 9, and 10) in the amount of $31,400, which are seven (7) areas approved for construction by Village Council on January 7, 2013 resolution No. 2013-02; and

WHEREAS, as per resolution No. 2010-36 approved on April 12, 2010, C3TS is qualified to provide ongoing general civil engineering services for the Village of Palmetto Bay; and

WHEREAS, C3TS is currently under contract with the Village of Palmetto Bay to provide continuing professional services in Civil Engineering until June 3, 2013; and

WHEREAS, as of November 30, 2012, Stantec Consulting Services Inc. ("Stantec") purchased certain assets of C3TS with the result that the ongoing business and affairs of C3TS is now wholly owned by Stantec; and

WHEREAS, therefore, assignment of all existing and future contracts with C3TS will be under Stantec; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, AS FOLLOWS:

Section 1. The Village Manager is authorized to enter into an agreement with Stantec Consulting Services, Inc. for construction support services for localized drainage improvements Phase V in an amount not to exceed $31,400.00.

Section 2. This Resolution shall become effective immediately.

PASSED AND ADOPTED this 4th day of February, 2013.

Attest:

Meighan J. Alexander
Village Clerk

Shelley Stanczyk
Mayor

APPROVED AS TO FORM:

Eve A. Boutsis,
FIGUEREDO & BOUTSIS, P.A., as Office
of the Village Attorney

FINAL VOTE AT ADOPTION:

Council Member Patrick Fiore	YES
Council Member Tim Schaffer	YES
Council Member Joan Lindsay	YES
Vice-Mayor John DuBois	YES
Mayor Shelley Stanczyk	YES

RESOLUTION NO. 2012-11

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO DRAINAGE IMPROVEMENT PROJECTS IN AREAS 1 THROUGH 8 AS PER ATTACHED WORK ORDER, WITHIN THE VILLAGE OF PALMETTO BAY; AUTHORIZING THE VILLAGE MANAGER TO ENTER INTO AN AGREEMENT WITH CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A. (C3TS) TO PROVIDE ENGINEERING SERVICES FOR DESIGN AND PERMITTING OF DRAINAGE IMPROVEMENTS, AND TO APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT NOT TO EXCEED $66,300.; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, currently, the drainage systems at Area 1 (SW 174 Street from 77 Avenue to Old Cutler Road and SW 74 Court from 174 Street to 176 Street); Area 2 (SW 176 Street from 76 Avenue to SW 74 Place, SW 178 Terrace from 77 Avenue to 75 Avenue, SW 75 Avenue from SW 178 Terrace to SW 176 Street, SW 75 Avenue from SW 178 Terrace to SW 176 Street, SW 74 Place from 176 Street to Cul-de-sac); Area 3 (SW 92 Avenue from SW 163 Terrace north to middle of curve in road); Area 4 (SW 91 Avenue from SW 168 Street to SW 164 Street); Area 5 (SW 81 Avenue from 151 Street to 148 Drive); Area 6 (SW 73 Court & SW 154 Terrace); Area 7 (SW 74 Avenue and SW 145 Terrace); and Area 8 (SW 145 Terrace from 68 Court to 68 Avenue, SW 68 Court and SW 68 Avenue up to SW 144 Terrace) consist of closed systems with small isolated drainage facilities, homemade systems, no existing drainage and/or several small exfiltration systems at low points in the roadway; and,

WHEREAS, Corzo Castella Carballo Thompson Salman, P.A. (C3TS) evaluated drainage improvements in localized areas with minimal or no history of flooding and according to data collection and field evaluations C3TS recommends implementing drainage improvements to reduce localized flooding during severe storm events; and,

WHEREAS, the drainage improvements recommended will be designed to handle basin runoff from a 5 year storm. The improvements will consist of new drainage exfiltration trenches, curb inlet repairs, regrade swale area, and canal outfall upgrade where needed; and,

WHEREAS, C3TS was one of the three pre-qualified firms selected in FY 2009-2010 to provide Civil Engineering services and is currently contracted to provide Landscape Architecture, General Civil Engineering/Surveying, and General Planning professional services for the Village per the attached Continuing Service Agreement executed on June 3, 2010; and,

WHEREAS, the Village Administration desires to select Corzo Castella Carballo Thompson Salman, P.A. (C3TS) to provide planning and consultation services to the Village for design and permitting for drainage improvements in Areas 1– 8 in accordance with the established guidelines

and procedures utilized by Miami- Dade County Public Works Department, Florida Department of Transportation and the Department of Environmental Resource Management; and,

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, AS FOLLOWS:

Section 1: The Village Manager is authorized to continue the agreement with Corzo Castella Carballo Thompson Salman, P.A. (C3TS) to provide design, permitting, bidding and construction support for drainage improvements in the Village of Palmetto Bay in an amount not to exceed $66,300.

Section 2: This resolution shall take effect immediately upon approval.

PASSED and **ADOPTED** this 6th day of February, 2012.

ATTEST:

Meighan Alexander
Village Clerk

Shelley Stanczyk
Mayor

READ AND APPROVED AS TO FORM:

Eve Boutsis
Village Attorney

FINAL VOTE AT ADOPTION:

Council Member Patrick Fiore	YES
Council Member Howard J. Tendrich	YES
Council Member Joan Lindsay	YES
Vice-Mayor Brian W. Pariser	YES
Mayor Shelley Stanczyk.	YES

RESOLUTION NO. 2013-02

A RESOLUTION OF THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, RELATING TO VILLAGEWIDE LOCALIZED DRAINAGE IMPROVEMENTS PHASE V; APPROVING THE SELECTION OF WRANGLER CONSTRUCTION, INC., TO PROVIDE CONSTRUCTION SERVICES FOR DRAINAGE IMPROVEMENTS; FURTHER AUTHORIZING THE VILLAGE MANAGER TO ISSUE A PURCHASE ORDER AND APPROVE EXPENDITURE OF FUNDS IN AN AMOUNT NOT TO EXCEED $678,755.00; AND PROVIDING FOR AN EFFECTIVE DATE.

WHEREAS, Village administration contracted with Corzo, Castella, Carballo, Thompson, Salman, P.A. (C3TS, P.A.) to provide drainage engineering and planning for the preparation of drainage improvements in the area of SW 174 ST (from SW 77 AVE to Old Cutler Road)/SW 74 CT (from 174 Street to 176 ST), SW 176 ST (from 77 AVE to 75 AVE)/SW 74 PL (from Cul de Sac)/SW 75 AVE (from 178 TERR to 176 ST)/ SW 178 TERR (from 77 AVE to 75 AVE), SW 92 AVE (from 163 TER to middle of North Bend), SW 91 AVE (from SW 168 ST to SW 164 ST), SW 81 AVE (from SW 151 ST to 148 DR), SW 73 CT & SW 154 TER, SW 74 AVE & SW 145 TERR, SW 145 TER (from SW 68 CT to SW 68 AVE) SW 68 CT (UP TO 144 TER), SW 148 ST (from SW 80 AVE to SW 78 AVE), SW 72 AVE (from SW 144 ST to SW 139 ST), SW 161 ST (from SW 80 AVE to SW 78 AVE) in accordance with the established guidelines and procedures utilized by Miami-Dade County Public Works Department, Florida Department of Transportation and the Department of Environmental Resource Management; and

WHEREAS, C3TS evaluated drainage improvements in eleven (11) localized areas with resident reported history of flooding following major rain events and according to data collection and field evaluations C3TS recommends implementing drainage improvements to reduce localized flooding during severe storm events; and

WHEREAS, a competitive bid process was followed for construction services for drainage improvements with the issuance of Invitation to Bid No. 2012-PW-103; and

WHEREAS, after a thorough analysis of the responses, the Village's engineer of record recommended and the Village concurred that Wrangler Construction, Inc. was the lowest, most inclusive, responsive and responsible bidder; and

WHEREAS, Phase V localized drainage improvements will be constructed in two (2) phases as the Stormwater Utility budget in FY 12-13 is insufficient to fund the entire base bid of $908,167.72

WHEREAS, Construction of phase I projects in the amount the amount of $678,755 is scheduled to commence in FY 2012-13 and phase II projects in the amount of $229,412.72 will be completed in FY 2013-14; and

WHEREAS, C3TS assigned three levels of priority (high, medium, and low) to the eleven (11) areas; and

WHEREAS, construction of drainage improvements will be implemented in accordance with the project prioritization list attached; and

NOW, THEREFORE, BE IT RESOLVED BY THE MAYOR AND VILLAGE COUNCIL OF THE VILLAGE OF PALMETTO BAY, FLORIDA, AS FOLLOWS:

Section 1. The Village Manager is authorized to enter into an agreement with Wrangler Construction, Inc. for localized drainage improvements Phase V in an amount not to exceed $678,755.00.

Section 2. This Resolution shall become effective immediately.

PASSED AND ADOPTED this 7th day of January, 2013.

Attest:

Meighan J. Alexander
Village Clerk

Shelley Stanczyk
Mayor

APPROVED AS TO FORM:

Eve A. Boutsis,
FIGUEREDO & BOUTSIS, P.A., as Office of the Village Attorney

FINAL VOTE AT ADOPTION:

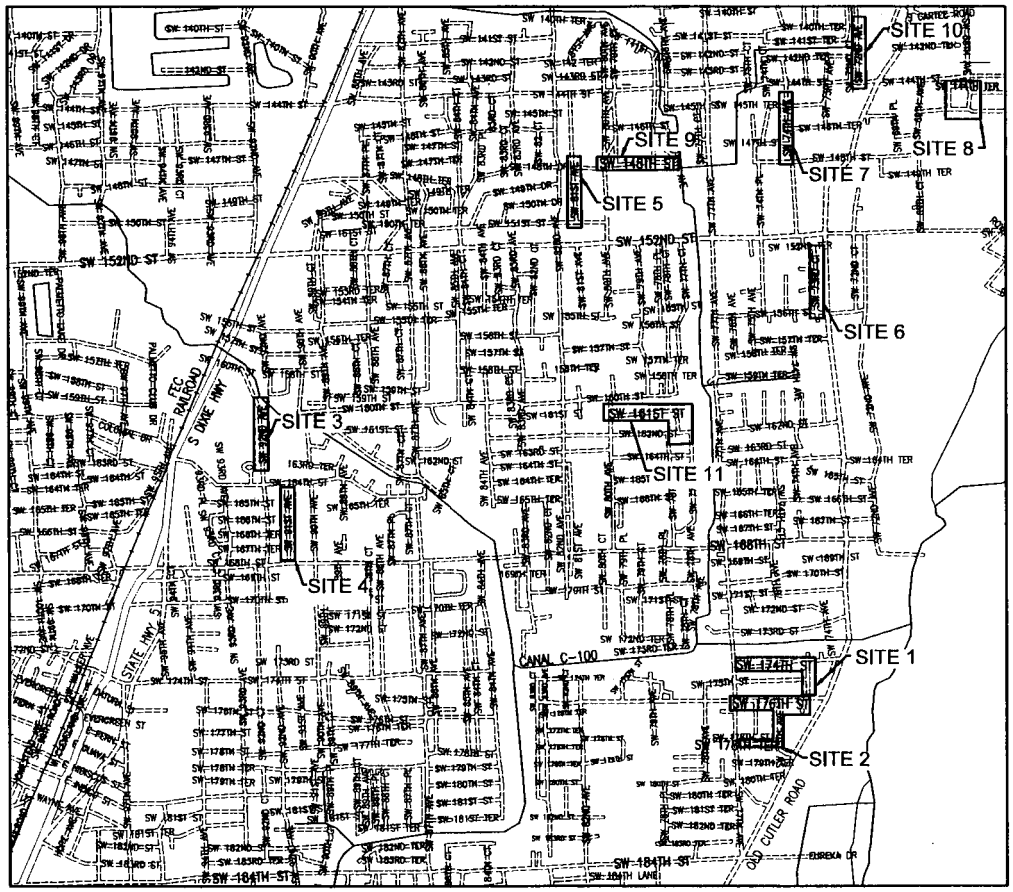
Council Member Patrick Fiore	YES
Council Member Tim Schaffer	YES
Council Member Joan Lindsay	YES
Vice-Mayor John DuBois	YES
Mayor Shelley Stanczyk	YES

VILLAGE OF PALMETTO BAY
VILLAGEWIDE DRAINAGE IMPROVEMENTS
PHASE V

PROJECT No.	SHEET No.
1632-021	C0
CADD FILE 1632-021 Cover	

INDEX OF SHEETS

SHEET No.	SHEET DESCRIPTION
C0	COVER SHEET
C1–C2	SITE 1 DRAINAGE PLAN
C3–C4	SITE 2 DRAINAGE PLAN
C5–C7	SITE 3 DRAINAGE PLAN
C8	SITE 4 DRAINAGE PLAN
C9	SITE 5 DRAINAGE PLAN
C10	SITE 6 DRAINAGE PLAN
C11	SITE 7 DRAINAGE PLAN
C12–C13	SITE 8 DRAINAGE PLAN
C14	SITE 9 DRAINAGE PLAN
C15	SITE 10 DRAINAGE PLAN
C16	SITE 11 DRAINAGE PLAN
C17–C18	CONSTRUCTION DETAILS
C19	DRAINAGE TABLE



NORTH

SCALE 1"=2000'

Palmetto Bay
VILLAGE OF
FLORIDA

PREPARED FOR:

VILLAGE OF PALMETTO BAY
9495 SW 180th STREET
PALMETTO BAY, FLORIDA 33157
PHONE (305) 969-5011

September 19, 2012

BID SET

APPROVED BY

SEAN P. COMPEL, P.E.
REGISTERED ENGINEER NO. 68618
STATE OF FLORIDA

811
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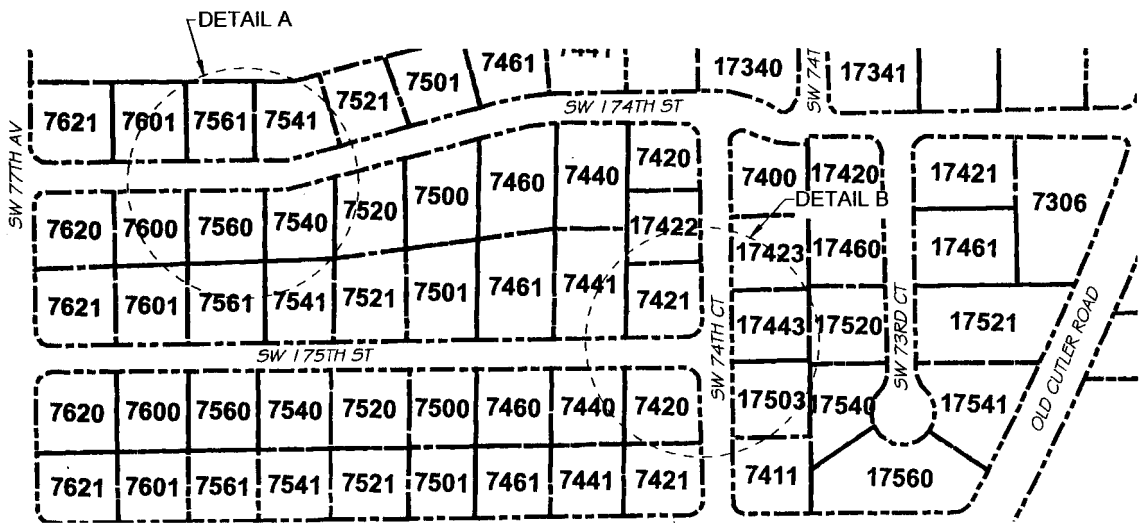
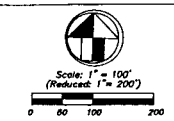
American Consulting Engineers Council Member
Supporting Excellence in Engineering

C3TS PROJECT NO. 1632-021
CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.
ENGINEERS · ARCHITECTS · PLANNERS
901 PONCE DE LEON BLVD., SUITE 900
CORAL GABLES, FLORIDA 33134
MIAMI (305)-445-2900 FLORIDA (800)-448-0227
FL REGISTRATIONS: EB0005022 AAC002142



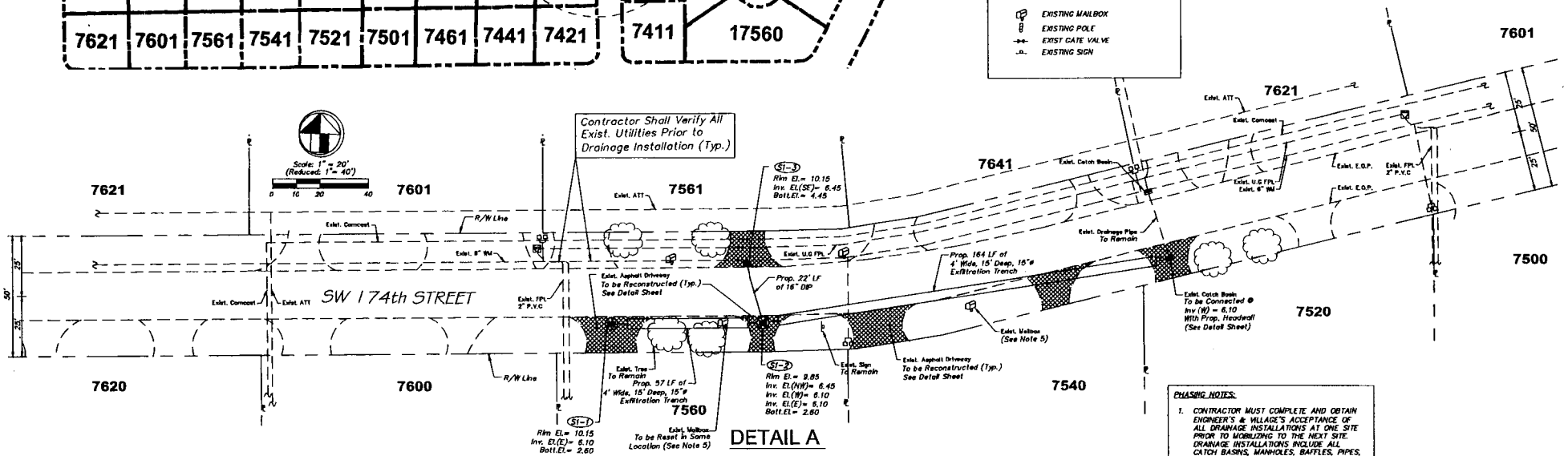


LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- PROPOSED DRIVEWAY RECONSTRUCTION
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE
- EXISTING SIGN

NOTE:

1. Exact location of drainage improvements will be determined by the Engineer after exploratory excavation by Contractor as directed by Engineer. Contractor shall order drainage structures only after exploratory excavation and final location determination and shop drawing approval by Engineer.
2. Asphalt Aprons shall be constructed around all catch basins not located in a driveway. See detail sheet.
3. Elevation shown on these drawings are not NGVD. They were established using approximate values. Rim elevations may need to be adjusted to accomodate field conditions.
4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.
5. Contractor shall temporarily relocate any required existing mailboxes during construction and reset mailboxes in original location with mounting and foundation elements to match previous.



CONSTRUCTION NOTE:

Location of existing facilities as shown on construction drawings are from available records. The Engineer assumes no responsibility for the accuracy of the facilities shown or for any facility not shown. Verify the elevation, type of pipes and location of existing facilities prior to construction. If an existing facility is found to conflict with the proposed construction upon excavation the contractor shall immediately notify the engineer of record so that appropriate measures can be taken to resolve the problem. Contractor to notify the Village of Palmetto Bay and Sunshine State One Call of Florida, Inc. @ 811 at Least Forty Eight (48) Hours Prior to Excavating. Evidence of such notice shall be furnished to CSTS prior to excavating.

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NOTE:

CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXISTING ROADWAY ABOVE DRAINAGE INSTALLATIONS, SEE DETAILS SHEET. ANY DAMAGE TO EXISTING ASPHALT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF PALMETTO BAY. ALL REQUIRED RESTORATION COSTS SHALL BE INCLUDED IN THE LUMP SUM RESTORATION BID ITEMS.

PHASING NOTES:

1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
2. AFTER DRAINAGE INSTALLATION IS COMPLETE, THE CONTRACTOR HAS SEVEN (7) CALENDAR DAYS TO FULLY COMPLETE ALL RESTORATION ITEMS WITHIN THAT SITE. FULL COMPLETION REQUIRES ACCEPTANCE AND APPROVAL BY ENGINEER AND VILLAGE.
3. FOR EVERY CALENDAR DAY BEYOND SEVEN (7) DAY THAT ALL RESTORATION WORK IS NOT COMPLETE, LIQUIDATED DAMAGES SHALL APPLY (AS STIPULATED IN THE CONTRACT) FOR EACH SITE.

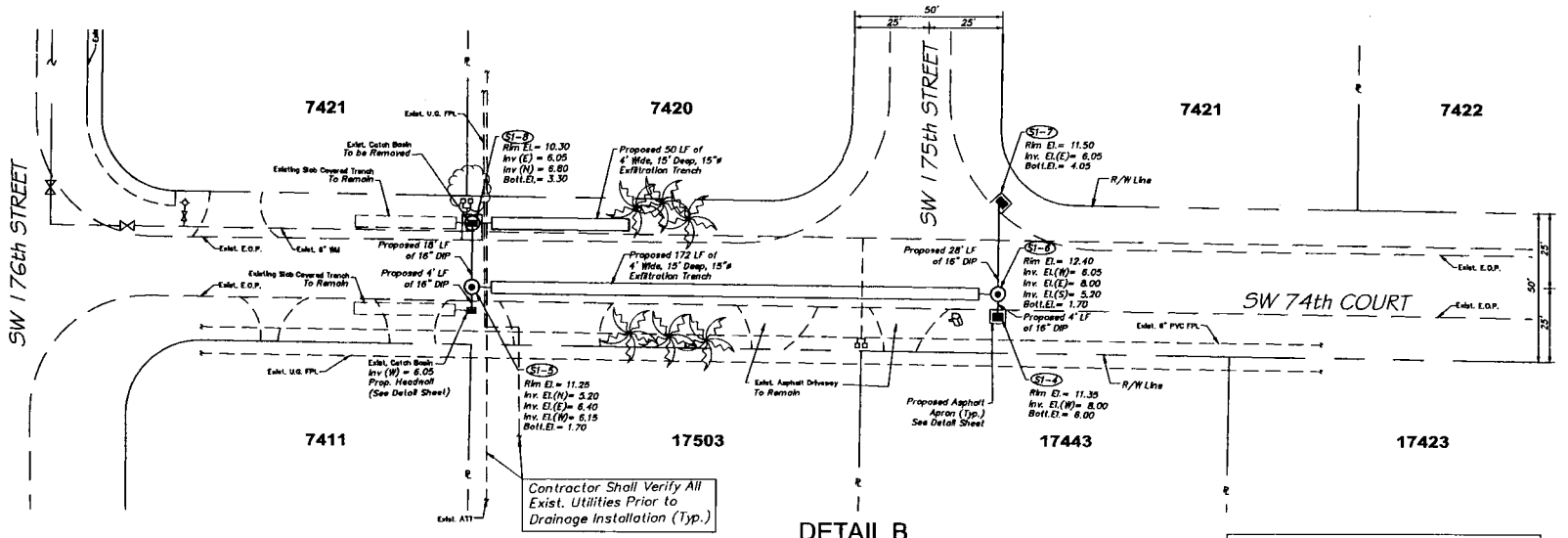
SITE 1 PLAN
BID SET

REVISIONS		APPROVED BY:					
DESCRIPTION	DATE	SEAN COMPEL, P.E.	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V
1.		LICENSED ENGINEER NO. 66618	ENGINEERS•ARCHITECTS•PLANNERS	DRAWN:	MM		
2.		STATE OF FLORIDA	801 PONCE DE LEON BLVD., SUITE 800	DESIGNED:	SC		
3.		DATE:	CORAL GABLES, FLORIDA 33134	CHECKED:	SC		
4.			MIAMI (305)-448-2900 FLORIDA (800)-448-0227	QC:	SC		
			FL REGISTRATION: EB0005033 AAC003142	CADD FILE:	1632-021		

01632-021 | SHEET NO. C01

NOTE
CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXISTING ROADWAY ABOVE DRAINAGE INSTALLATIONS, SEE DETAILS SHEET. ANY DAMAGE TO EXISTING ASPHALT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF PALMETTO BAY. ALL REQUIRED RESTORATION COSTS SHALL BE INCLUDED IN THE LUMP SUM RESTORATION BID ITEMS.

Scale: 1" = 20'
(Reduced: 1" = 40')
0 10 20 40



Contractor Shall Verify All Exist. Utilities Prior to Drainage Installation (Typ.)

DETAIL B

LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE

NOTE:
1. Exact location of drainage improvements will be determined by the Engineer after exploratory excavation by Contractor as directed by Engineer. Contractor shall order drainage structures only after exploratory excavation and final location determination and shop drawing approval by Engineer.

2. Asphalt Aprons shall be constructed around all catch basins not located in a driveway. See detail sheet.

3. Elevation shown on these drawings are not NGVD. They were established using approximate values. Rim elevations may need to be adjusted to accomodate field conditions.

4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.

5. Contractor shall temporarily relocate any required existing mailboxes during construction and reset mailboxes in original location with mounting and foundation elements to match previous.

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CONSTRUCTION NOTE:
Location of existing facilities as shown on construction drawings are from available records. The Engineer assumes no responsibility for the accuracy of the facilities shown or for any facility not shown. Verify the elevation, type of pipes and location of existing facilities prior to construction. If an existing facility is found to conflict with the proposed construction upon excavation the contractor shall immediately notify the engineer of record so that appropriate measures can be taken to resolve the problem. Contractor to notify the Village of Palmetto Bay and Sunshine State One Call of Florida, Inc. @ 811 at Least Forty Eight (48) Hours Prior to Excavating. Evidence of such notice shall be furnished to C3TS prior to excavating.

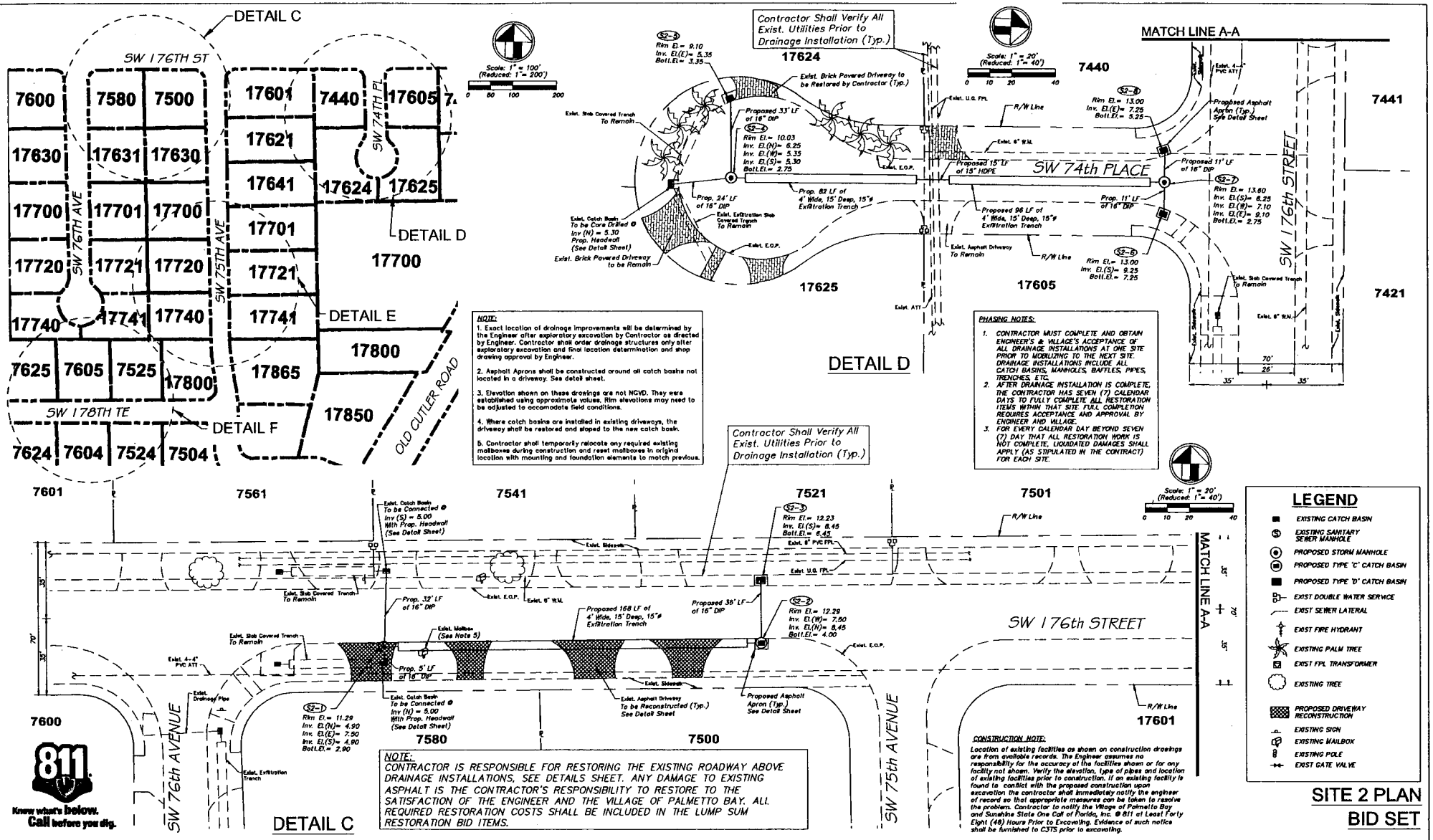
PHASING NOTES:
1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
2. AFTER DRAINAGE INSTALLATION IS COMPLETE, THE CONTRACTOR HAS SEVEN (7) CALENDAR DAYS TO FULLY COMPLETE ALL RESTORATION ITEMS WITHIN THAT SITE. FULL COMPLETION REQUIRES ACCEPTANCE AND APPROVAL BY ENGINEER AND VILLAGE.
3. FOR EVERY CALENDAR DAY BEYOND SEVEN (7) DAY THAT ALL RESTORATION WORK IS NOT COMPLETE, LIQUIDATED DAMAGES SHALL APPLY (AS STIPULATED IN THE CONTRACT) FOR EACH SITE.

SITE 1 PLAN
BID SET

REVISIONS		APPROVED BY:					
DESCRIPTION	DATE		CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V
1.		SEAN COMPEL, P.E.	ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM		
2.		LICENSED ENGINEER NO. 66618	901 PONCE DE LEON BLVD., SUITE 800	DESIGNED:	SC		
3.		STATE OF FLORIDA	CORAL GABLES, FLORIDA 33134	CHECKED:	SC		
4.		DATE:	MIAMI (305)-445-2800 FLORIDA (800)-448-0327	QC:	SC		
			FL REGISTRATION: EB0005022 AAC002142	CADD FILE:	1632-021		

01632-021

SHEET NO.
C02



SITE 2 PLAN
BID SET

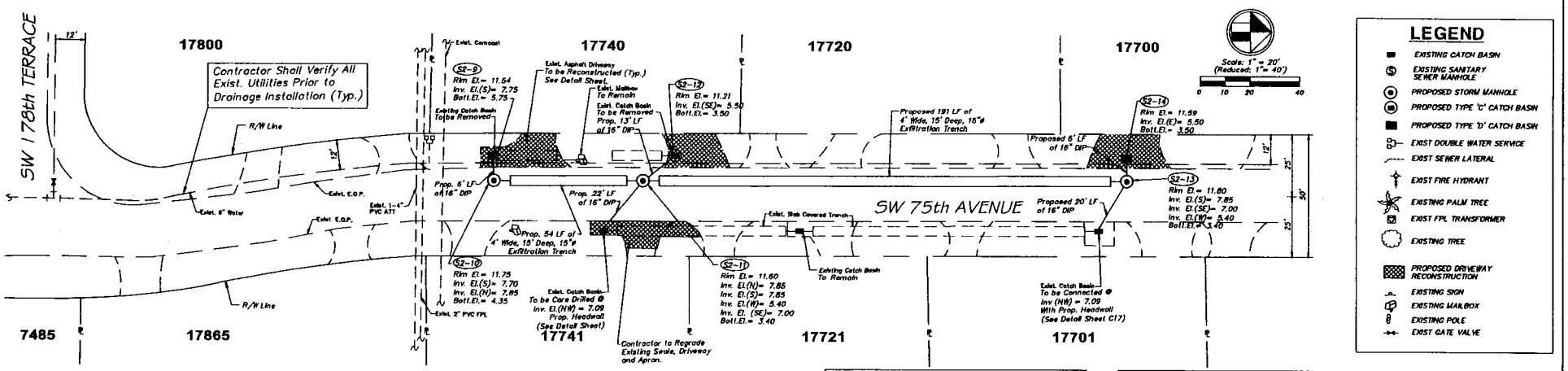
REVISIONS		APPROVED BY:			
DESCRIPTION	DATE				
1.		SEAN COMPEL, P.E.	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12
2.		LICENSED ENGINEER NO. 66618	ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM
3.		STATE OF FLORIDA	801 PONCE DE LEON BLVD., SUITE 900	DESIGNED:	SC
4.		DATE:	CORAL GABLES, FLORIDA 33134	CHECKED:	SC
			MIAMI (305)-445-2800 FLORIDA (800)-445-0227	QC:	SC
			FL REGISTRATIONS: EB0005022 AAC002142	CADD FILE:	1632-021

VILLAGE OF PALMETTO BAY

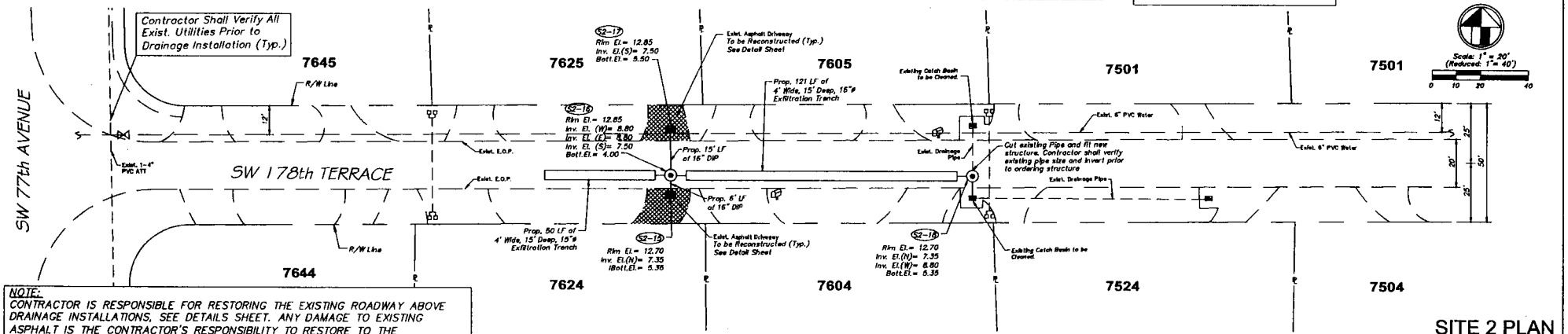
VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V

01632-021

SHEET NO. C03



DETAIL E



DETAIL F

LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- PROPOSED DRIVEWAY RECONSTRUCTION
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE

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CONSTRUCTION NOTE:

Location of existing facilities as shown on construction drawings are from available records. The Engineer assumes no responsibility for the accuracy of the facilities shown or for any facility not shown. Verify the elevation, type of pipes and location of existing facilities prior to construction. If an existing facility is found to conflict with the proposed construction upon excavation the contractor shall immediately notify the engineer of record so that appropriate measures can be taken to resolve the problem. Contractor to notify the Village of Palmetto Bay and Sunshine State One Call of Florida, Inc. @ 811 at Least Forty Eight (48) Hours Prior to Excavating. Evidence of such notice shall be furnished to C3TS prior to excavating.

NOTE:

1. Exact location of drainage improvements will be determined by the Engineer after exploratory excavation by Contractor as directed by Engineer. Contractor shall order drainage structures only after exploratory excavation and final location determination and shop drawing approval by Engineer.
2. Asphalt Aprons shall be constructed around all catch basins not located in a driveway. See detail sheet.
3. Elevation shown on these drawings are not NGVD. They were established using approximate values. Rim elevations may need to be adjusted to accomodate field conditions.
4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.
5. Contractor shall temporarily relocate any required existing mailboxes during construction and reset mailboxes in original location with mounting and foundation elements to match previous.

PHASING NOTES:

1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
2. AFTER DRAINAGE INSTALLATION IS COMPLETE, THE CONTRACTOR HAS SEVEN (7) CALENDAR DAYS TO FULLY COMPLETE ALL RESTORATION ITEMS WITHIN THAT SITE. FULL COMPLETION REQUIRES ACCEPTANCE AND APPROVAL BY ENGINEER AND VILLAGE.
3. FOR EVERY CALENDAR DAY BEYOND SEVEN (7) DAY THAT ALL RESTORATION WORK IS NOT COMPLETE, LIQUIDATED DAMAGES SHALL APPLY (AS STIPULATED IN THE CONTRACT) FOR EACH SITE.

NOTE:

CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXISTING ROADWAY ABOVE DRAINAGE INSTALLATIONS, SEE DETAILS SHEET. ANY DAMAGE TO EXISTING ASPHALT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF PALMETTO BAY. ALL REQUIRED RESTORATION COSTS SHALL BE INCLUDED IN THE LUMP SUM RESTORATION BID ITEMS.

SITE 2 PLAN
BID SET

REVISIONS		APPROVED BY:
DESCRIPTION	DATE	SEAN COMPEL, P.E.
1.		LICENSED ENGINEER NO. 66618
2.		STATE OF FLORIDA
3.		DATE:
4.		

CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.
ENGINEERS•ARCHITECTS•PLANNERS
801 PONCE DE LEON BLVD., SUITE 900
CORAL GABLES, FLORIDA 33134
MIAMI (305)-445-2900 FLORIDA (800)-445-0237
FL REGISTRATION: EB0005022 AAC002142

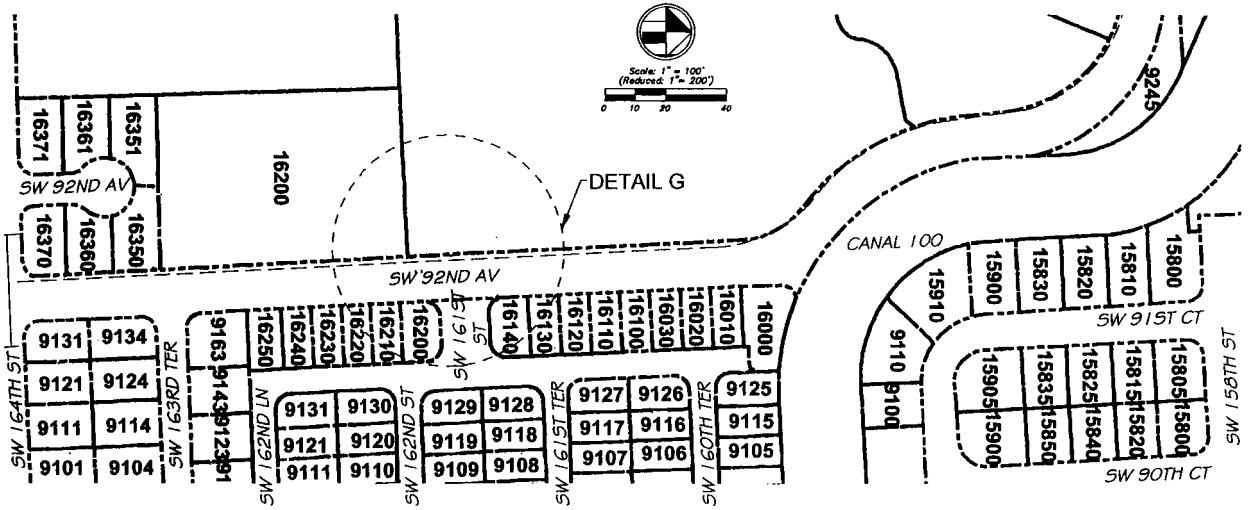
DATE:	09/19/12
DRAWN:	MM
DESIGNED:	SC
CHECKED:	SC
QC:	SC
CADD FILE:	1632-021

VILLAGE OF PALMETTO BAY

VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V

01632-021

SHEET NO. C04



LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE

CONSTRUCTION NOTE:

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NOTE:

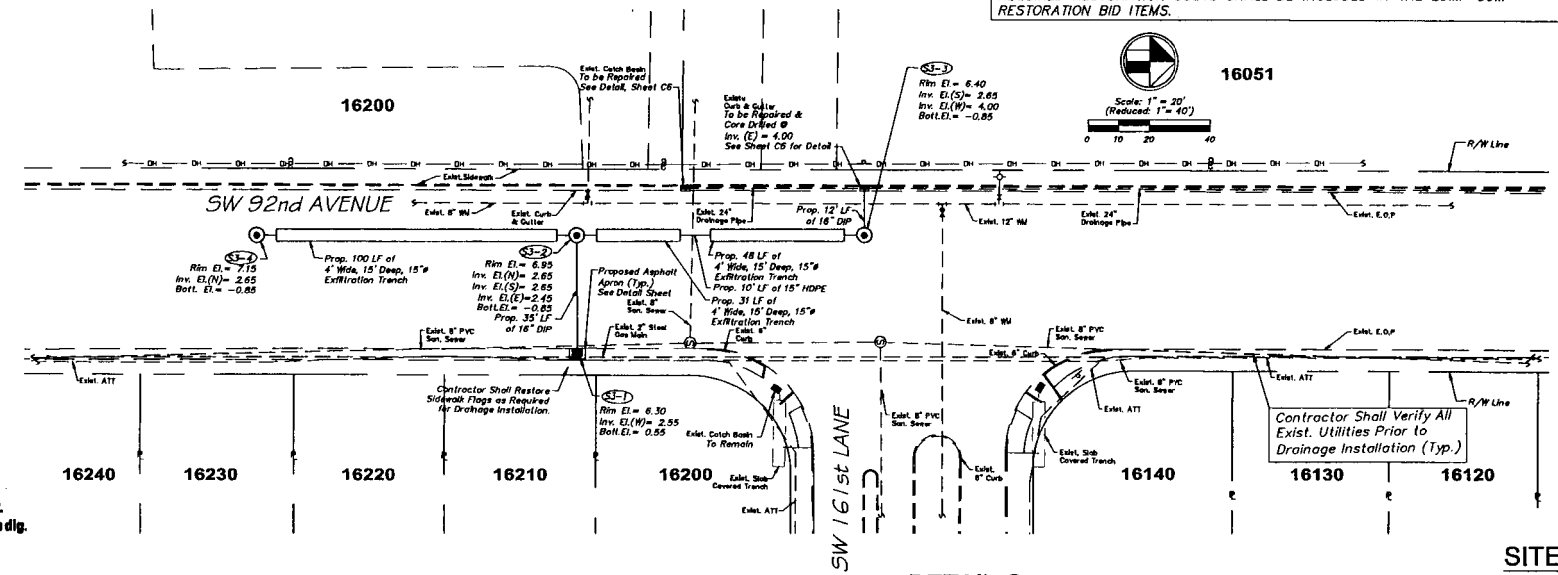
1. Exact location of drainage improvements will be determined by the Engineer after exploratory excavation by Contractor as directed by Engineer. Contractor shall order drainage structures only after exploratory excavation and final location determination and shop drawing approval by Engineer.
2. Asphalt Aprons shall be constructed around all catch basins not located in a driveway. See detail sheet.
3. Elevation shown on these drawings are not NGVD. They were established using approximate values. Rim elevations may need to be adjusted to accomodate field conditions.
4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.
5. Contractor shall temporarily relocate any required existing mailboxes during construction and reset mailboxes in original location with mounting and foundation elements to match previous.

NOTE:

CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXISTING ROADWAY ABOVE DRAINAGE INSTALLATIONS, SEE DETAILS SHEET. ANY DAMAGE TO EXISTING ASPHALT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF PALMETTO BAY. ALL REQUIRED RESTORATION COSTS SHALL BE INCLUDED IN THE LUMP SUM RESTORATION BID ITEMS.

PHASING NOTES:

1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
2. AFTER DRAINAGE INSTALLATION IS COMPLETE, THE CONTRACTOR HAS SEVEN (7) CALENDAR DAYS TO FULLY COMPLETE ALL RESTORATION ITEMS WITHIN THAT SITE. FULL COMPLETION REQUIRES ACCEPTANCE AND APPROVAL BY ENGINEER AND VILLAGE.
3. FOR EVERY CALENDAR DAY BEYOND SEVEN (7) DAY THAT ALL RESTORATION WORK IS NOT COMPLETE, LIQUIDATED DAMAGES SHALL APPLY (AS STIPULATED IN THE CONTRACT) FOR EACH SITE.



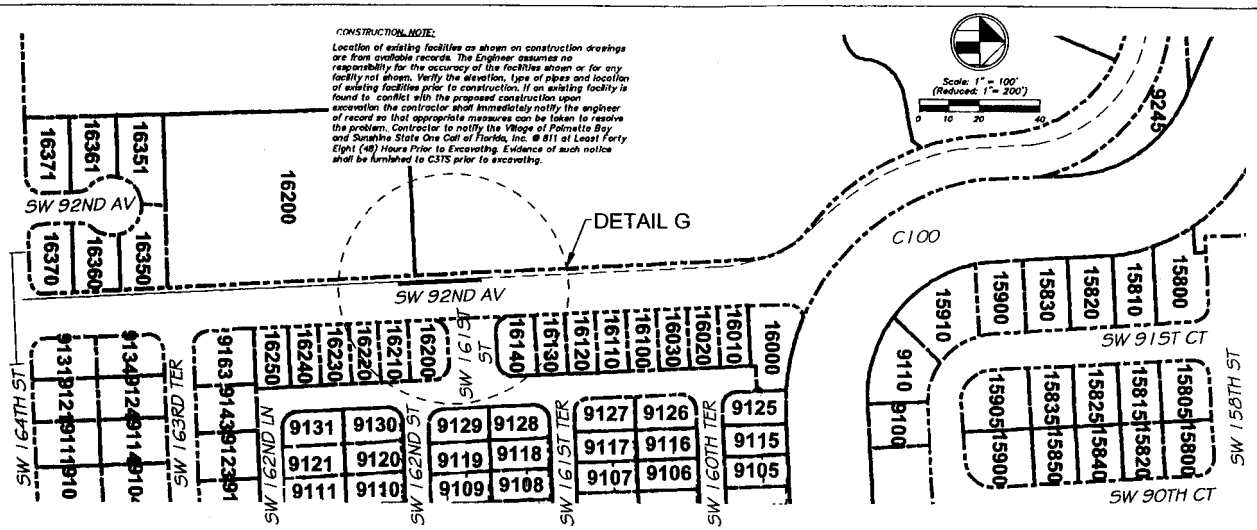
811 Know what's below. Call before you dig.

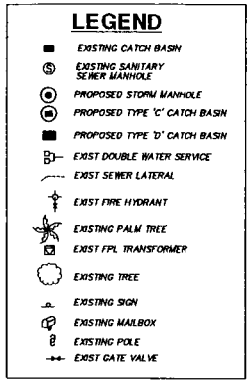
DETAIL G

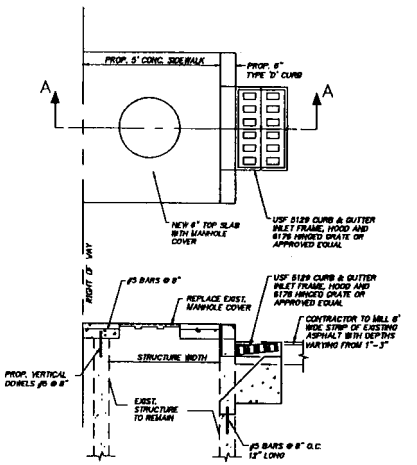
SITE 3 PLAN
BID SET

REVISIONS		APPROVED BY:					
DESCRIPTION	DATE		CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V
1.		SEAN COMPEL, P.E.	ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM		
2.		LICENSED ENGINEER NO. 66618	801 PONCE DE LEON BLVD., SUITE 500	DESIGNED:	SC		
3.		STATE OF FLORIDA	CORAL GABLES, FLORIDA 33134	CHECKED:	SC		
4.		DATE:	MIAMI (305)-448-2800 FLORIDA (800)-448-0227	QC:	SC		
			FL REGISTRATION: EB0005023 AA0003142	CADD FILE:	1632-021		

01632-021 | SHEET NO. C05







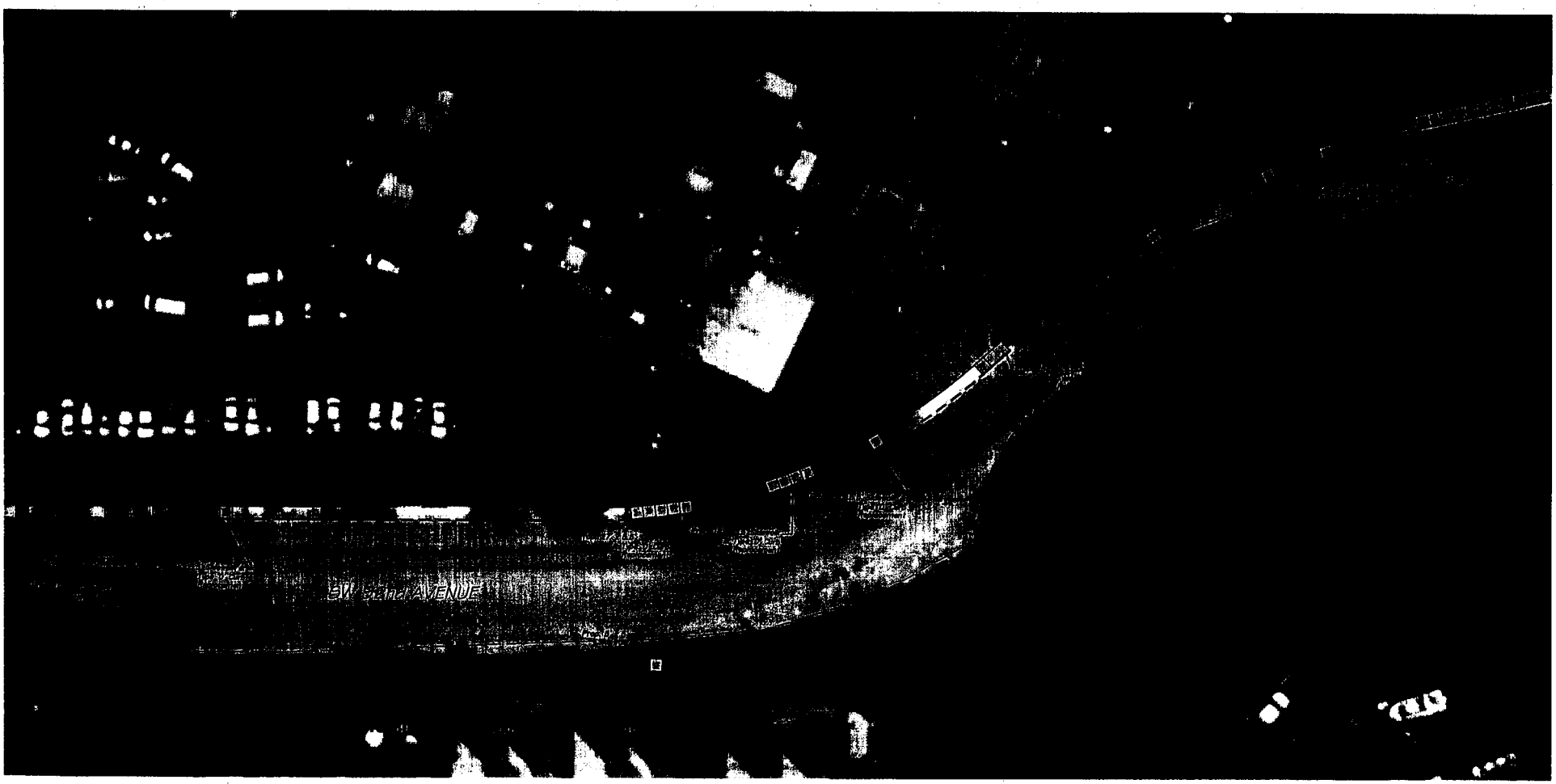
SECTION A-A

CATCH BASIN REPAIR DETAIL

DETAIL G

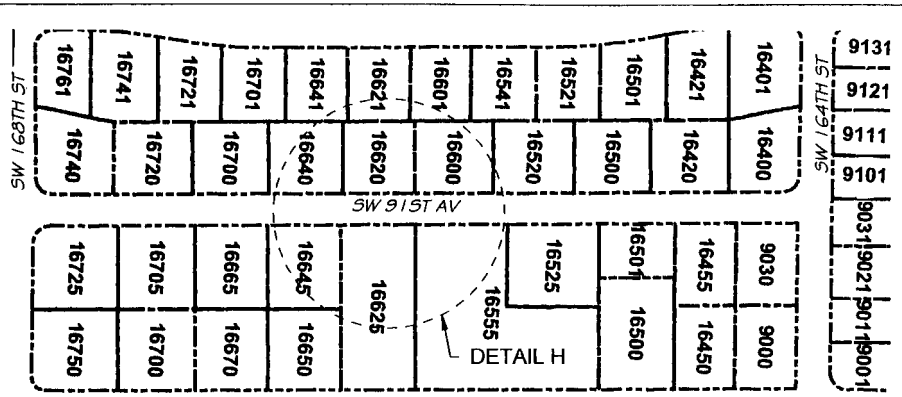
SITE 3 PLAN
BID SET

REVISIONS		APPROVED BY:	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	01632-021	SHEET NO.
DESCRIPTION	DATE		ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM				C06
1.		SEAN COMPEL, P.E.	801 PONCE DE LEON BLVD., SUITE 900	DESIGNED:	SC				
2.		LICENSED ENGINEER NO. 66618	CORAL GABLES, FLORIDA 33134	CHECKED:	SC				
3.		STATE OF FLORIDA	MIAMI (305)-448-2900 FLORIDA (800)-448-0237	QC:	SC				
4.		DATE:	FL REGISTRATION: EB0000523 AA0003142	CADD FILE:	1632-021				



SITE 3 PLAN
BID SET

REVISIONS		APPROVED BY:	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	01632-021	SHEET NO.
DESCRIPTION	DATE		ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM				C07
1.		SEAN COMPEL, P.E.	801 PONCE DE LEON BLVD., SUITE 500	DESIGNED:	SC				
2.		LICENSED ENGINEER NO. 66618	CORAL GABLES, FLORIDA 33134	CHECKED:	SC				
3.		STATE OF FLORIDA	MIAMI (305)-448-2800 FLORIDA (800)-448-0227	QC:	SC				
4.		DATE:	FL REGISTRATIONS: EB0005022 AAC002145	CADD FILE:	1632-021				

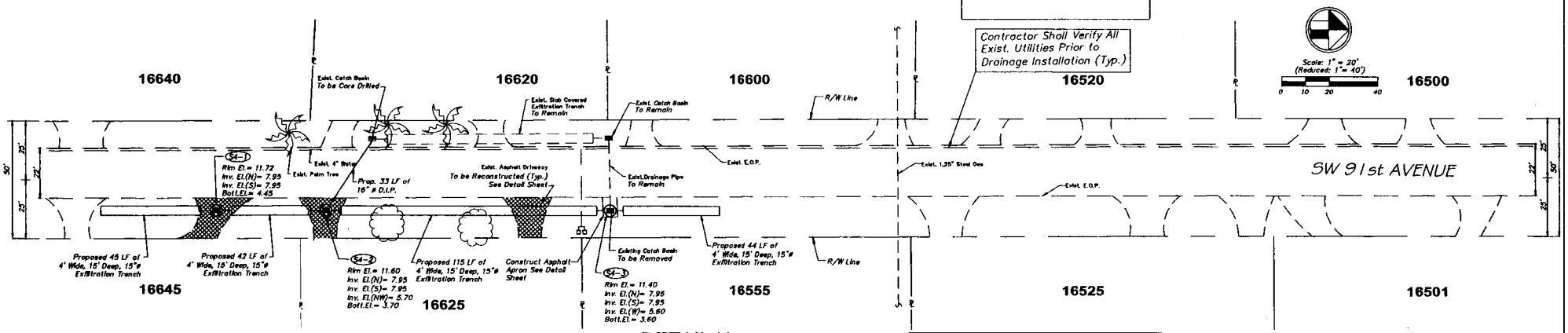


Scale: 1" = 100' (Reduced: 1" = 200')

0 60 100 200

LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- PROPOSED DRIVEWAY RECONSTRUCTION
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE
- EXISTING SIGN



Contractor Shall Verify All Exist. Utilities Prior to Drainage Installation (Typ.)

Scale: 1" = 20' (Reduced: 1" = 40')

0 10 20 40

DETAIL H

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

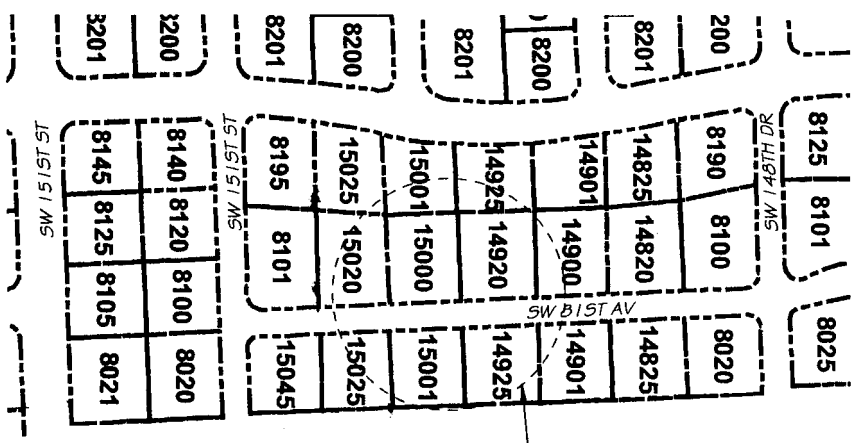
CONSTRUCTION NOTE:
Location of existing facilities as shown on construction drawings are from available records. The Engineer assumes no responsibility for the accuracy of the facilities shown or for any facility not shown. Verify the elevation, type of pipes and location of existing facilities prior to construction. If an existing facility is found to conflict with the proposed construction upon excavation the contractor shall immediately notify the engineer of record so that appropriate measures can be taken to resolve the problem. Contractor to notify the Village of Palmetto Bay and Sunshine State One Call of Florida, Inc. @ 811 at Least Forty Eight (48) Hours Prior to Excavating. Evidence of such notice shall be furnished to CSTS prior to excavating.

NOTE:
CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXISTING ROADWAY ABOVE DRAINAGE INSTALLATIONS, SEE DETAILS SHEET. ANY DAMAGE TO EXISTING ASPHALT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF PALMETTO BAY. ALL REQUIRED RESTORATION COSTS SHALL BE INCLUDED IN THE LUMP SUM RESTORATION BID ITEMS.

NOTE:
1. Exact location of drainage improvements will be determined by the Engineer after exploratory excavation by Contractor as directed by Engineer. Contractor shall order drainage structures only after exploratory excavation and final location determination and shop drawing approval by Engineer.
2. Asphalt Aprons shall be constructed around all catch basins not located in a driveway. See detail sheet.
3. Elevation shown on these drawings are not NGVD. They were established using approximate values. Rim elevations may need to be adjusted to accomodate field conditions.
4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.
5. Contractor shall temporarily relocate any required existing mailboxes during construction and reset mailboxes in original location with mounting and foundation elements to match previous.

SITE 4 PLAN
BID SET

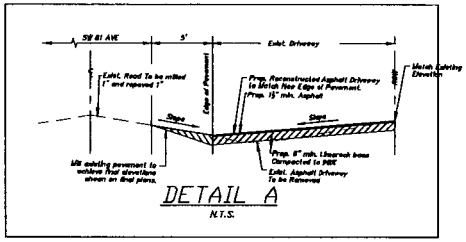
REVISIONS		APPROVED BY:	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A. ENGINEERS·ARCHITECTS·PLANNERS	DATE: 09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	01632-021	SHEET NO. C08
DESCRIPTION	DATE			DRAWN: MM				
1.		SEAN COMPEL, P.E.	801 PONCE DE LEON BLVD., SUITE 800	DESIGNED: SC				
2.		LICENSED ENGINEER NO. 66618	CORAL GABLES, FLORIDA 33134	CHECKED: SC				
3.		STATE OF FLORIDA	MIAMI (305)-445-2800 FLORIDA (800)-445-0127	QC: SC				
4.		DATE:	FL REGISTRATION: EB0008023 AA0002142	CADD FILE: 1632-021				



Scale: 1" = 100'
(Reduced: 1"= 200')
0 50 100 200

LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- DRIVEWAY RECONSTRUCTION
- 1" MILL & 1" TYPE S-III RESURFACE
- EXISTING SIGN
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE



DETAIL A
N.T.S.

CONSTRUCTION NOTE:
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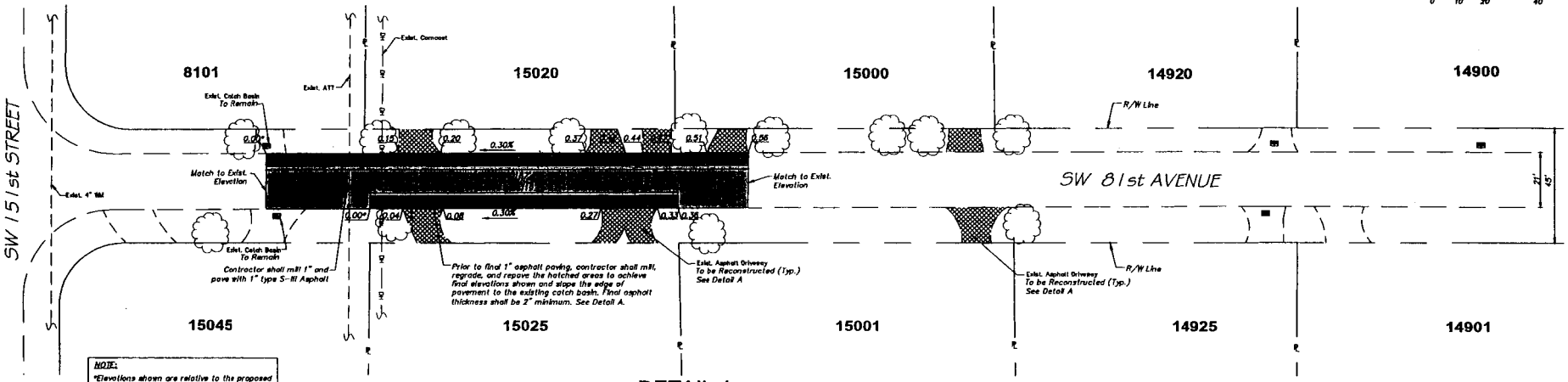
811 Know what's below. Call before you dig.

NOTE:
1. Exact location of drainage improvements will be determined by the Engineer after exploratory excavation by Contractor as directed by Engineer. Contractor shall order drainage structures only after exploratory excavation and final location determination and shop drawing approval by Engineer.
2. Asphalt Aprons shall be constructed around all catch basins not located in a driveway. See detail sheet.
3. Elevation shown on these drawings are not NGVD. They were established using approximate values. Rim elevations may need to be adjusted to accomodate field conditions.
4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.
5. Contractor shall temporarily relocate existing mailbox during construction and reset mailbox in original location with mounting features to match previous.

Scale: 1" = 20'
(Reduced: 1"= 40')
0 10 20 40



NOTE:
**Elevations shown are relative to the proposed slope of 0.3% and are not based on NGVD.*

DETAIL J

SITE 5 PLAN
BID SET

REVISIONS		APPROVED BY:
DESCRIPTION	DATE	
1.		SEAN COMPEL, P.E.
2.		LICENSED ENGINEER NO. 66618
3.		STATE OF FLORIDA
4.		DATE:

CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.
ENGINEERS·ARCHITECTS·PLANNERS
801 PONCE DE LEON BLVD., SUITE 900
CORAL GABLES, FLORIDA 33134
MIAMI (305)-445-2800 FLORIDA (800)-445-0227
FL REGISTRATIONS: EB0005022 AA0002142

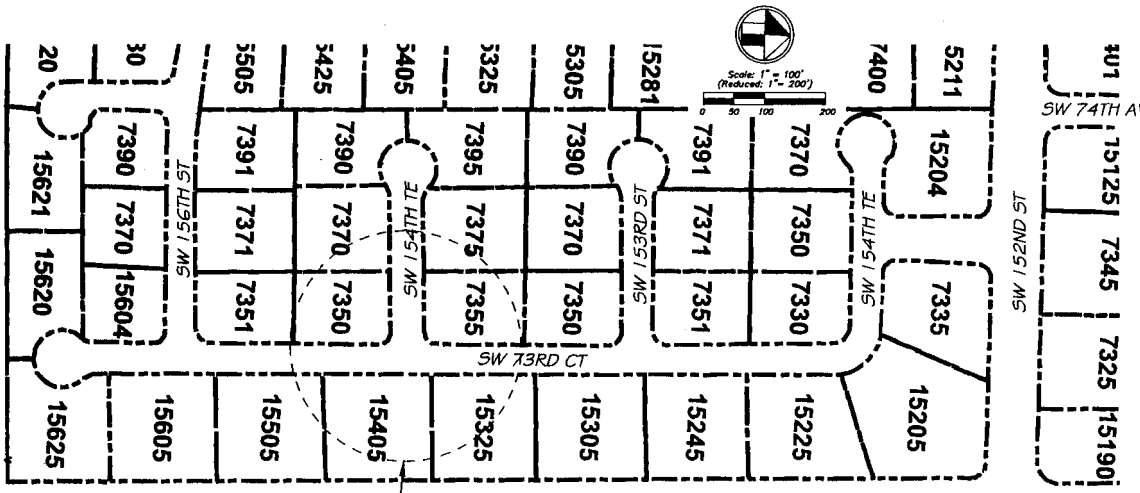
DATE:	09/19/12
DRAWN:	MM
DESIGNED:	SC
CHECKED:	SC
QC:	SC
CADD FILE:	1632-021

VILLAGE OF PALMETTO BAY

VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V

01632-021

SHEET NO.
C09



LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- PROPOSED DRIVEWAY RECONSTRUCTION
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE
- EXISTING SIGN

CONSTRUCTION NOTE:
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NOTE:
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3. Elevation shown on these drawings are not NGVD. They were established using approximate values. Rim elevations may need to be adjusted to accomodate field conditions.
4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.
5. Contractor shall temporarily relocate any required existing mailboxes during construction and reset mailboxes in original location with mounting and foundation elements to match previous.

PHASING NOTES:
1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
2. AFTER DRAINAGE INSTALLATION IS COMPLETE, THE CONTRACTOR HAS SEVEN (7) CALENDAR DAYS TO FULLY COMPLETE ALL RESTORATION ITEMS WITHIN THAT SITE. FULL COMPLETION REQUIRES ACCEPTANCE AND APPROVAL BY ENGINEER AND VILLAGE.
3. FOR EVERY CALENDAR DAY BEYOND SEVEN (7) DAY THAT ALL RESTORATION WORK IS NOT COMPLETE, LIQUIDATED DAMAGES SHALL APPLY (AS STIPULATED IN THE CONTRACT) FOR EACH SITE.

NOTE:
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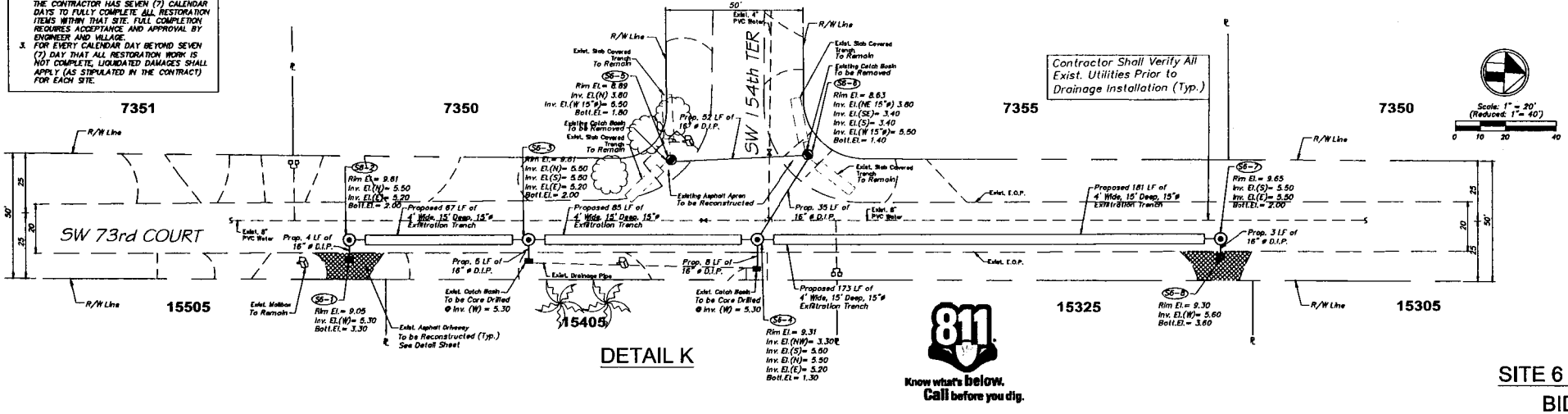


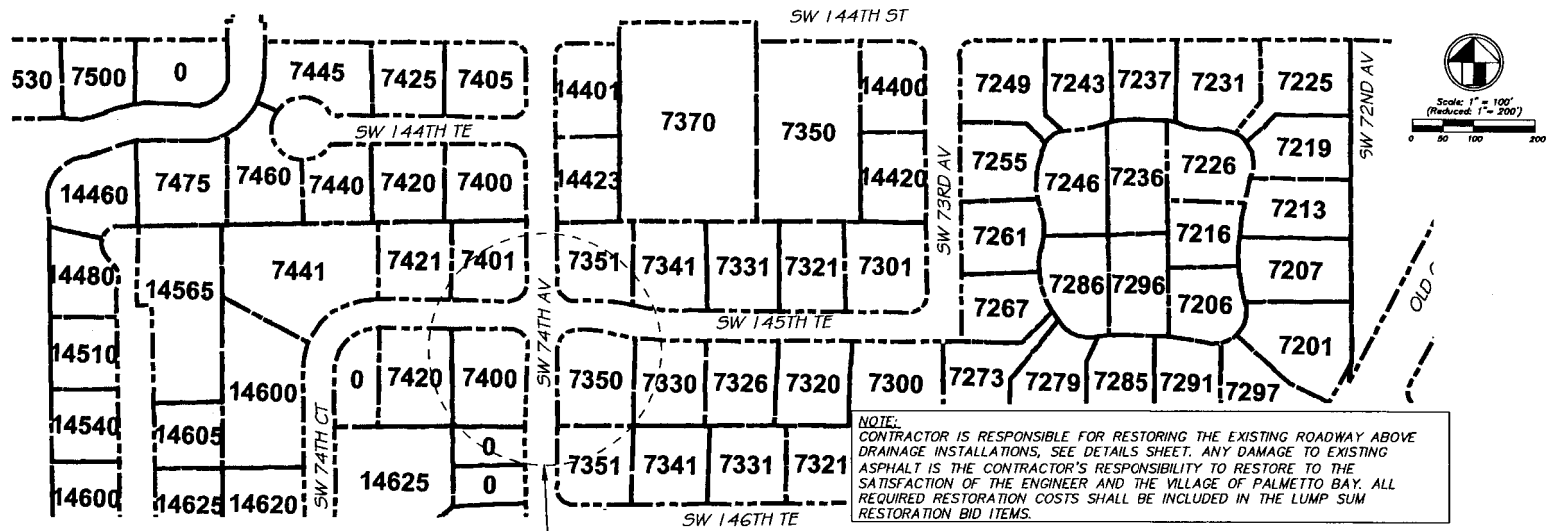
Know what's below. Call before you dig.

SITE 6 PLAN
BID SET

REVISIONS		APPROVED BY:	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE: 09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	01632-021	SHEET NO. C10
DESCRIPTION	DATE	SEAN COMPEL, P.E. LICENSED ENGINEER NO. 66618 STATE OF FLORIDA DATE:	ENGINEERS·ARCHITECTS·PLANNERS 901 PONCE DE LEON BLVD., SUITE 800 CORAL GABLES, FLORIDA 33134 MIAMI (305)-448-2800 FLORIDA (800)-448-0337 FL REGISTRATION: EB0005023 AAC002142	DRAWN: MM DESIGNED: SC CHECKED: SC QC: SC CADD FILE: 1632-021				
1.								
2.								
3.								
4.								

LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- PROPOSED DRIVEWAY RECONSTRUCTION
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE
- EXISTING SIGN



NOTE:
CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXISTING ROADWAY ABOVE DRAINAGE INSTALLATIONS, SEE DETAILS SHEET. ANY DAMAGE TO EXISTING ASPHALT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF PALMETTO BAY. ALL REQUIRED RESTORATION COSTS SHALL BE INCLUDED IN THE LUMP SUM RESTORATION BID ITEMS.

CONSTRUCTION NOTE:
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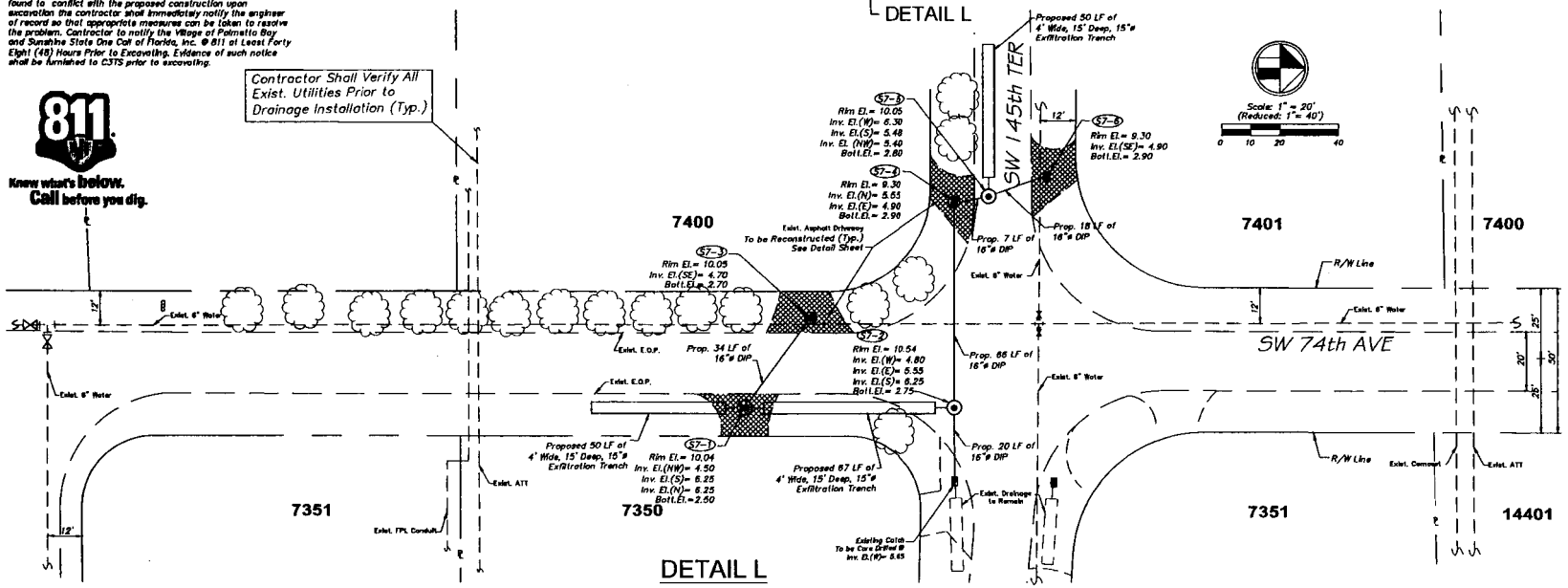
811 Know what's below. Call before you dig.

DETAIL L



DETAIL L

PHASING NOTES:

1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
2. AFTER DRAINAGE INSTALLATION IS COMPLETE, THE CONTRACTOR HAS SEVEN (7) CALENDAR DAYS TO FULLY COMPLETE ALL RESTORATION ITEMS WITHIN THAT SITE. FULL COMPLETION REQUIRES ACCEPTANCE AND APPROVAL BY ENGINEER AND VILLAGE.
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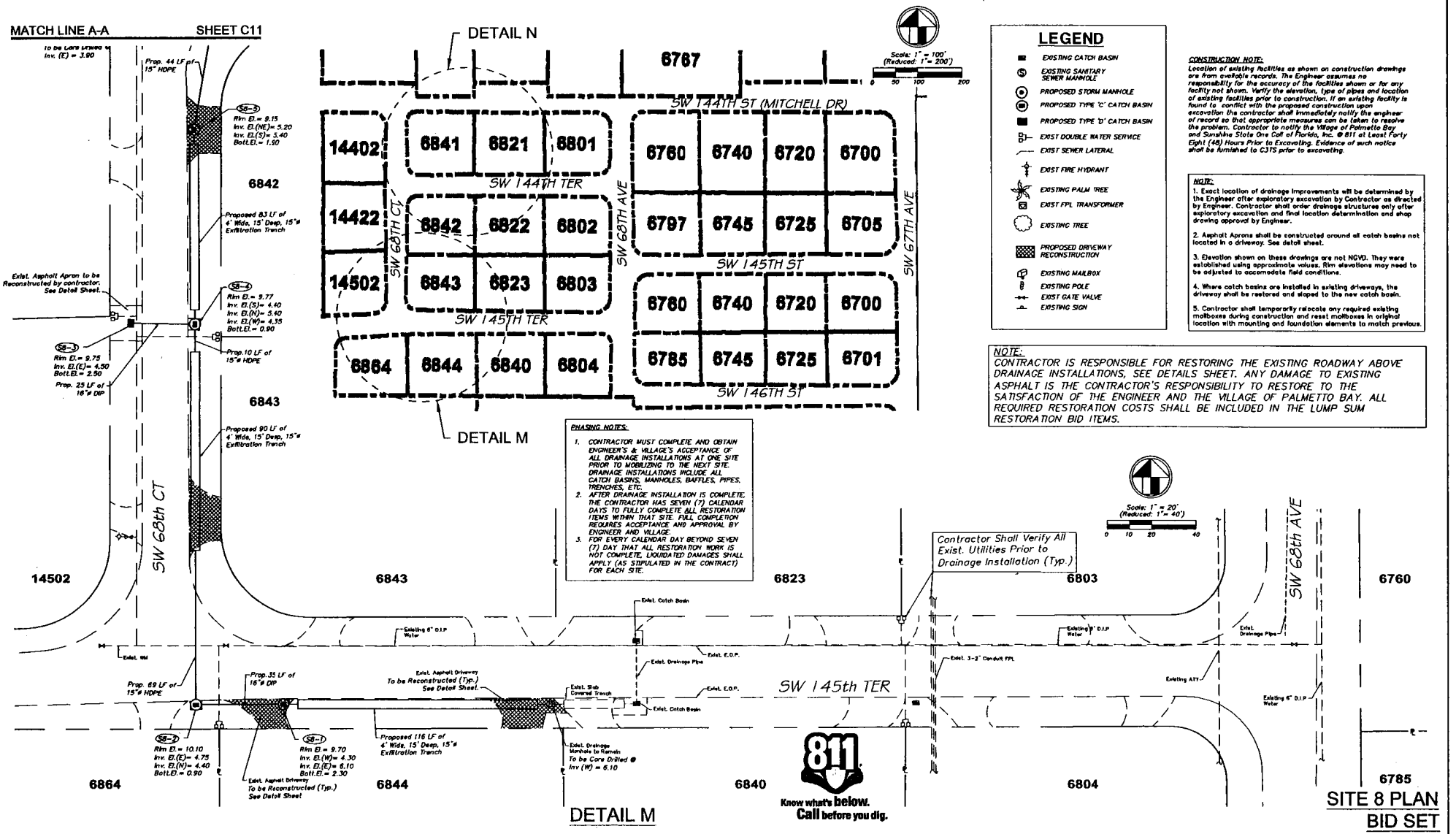
4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.
5. Contractor shall temporarily relocate any required existing mailboxes during construction and reset mailboxes in original location with mounting and foundation elements to match previous.

SITE 7 PLAN
BID SET

REVISIONS		APPROVED BY:					
DESCRIPTION	DATE	SEAN COMPEL, P.E.	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V
1.		LICENSED ENGINEER NO. 66618	ENGINEERS•ARCHITECTS•PLANNERS	DRAWN:	MM		01632-021
2.		STATE OF FLORIDA	801 PONCE DE LEON BLVD., SUITE 800	DESIGNED:	SC		SHEET NO. C11
3.		DATE:	CORAL GABLES, FLORIDA 33134	CHECKED:	SC		
4.			MIAMI (305)-445-2900 FLORIDA (800)-445-0227	QC:	SC		
			FL REGISTRATION: EB0005022 AAC002142	CADD FILE:	1632-021		

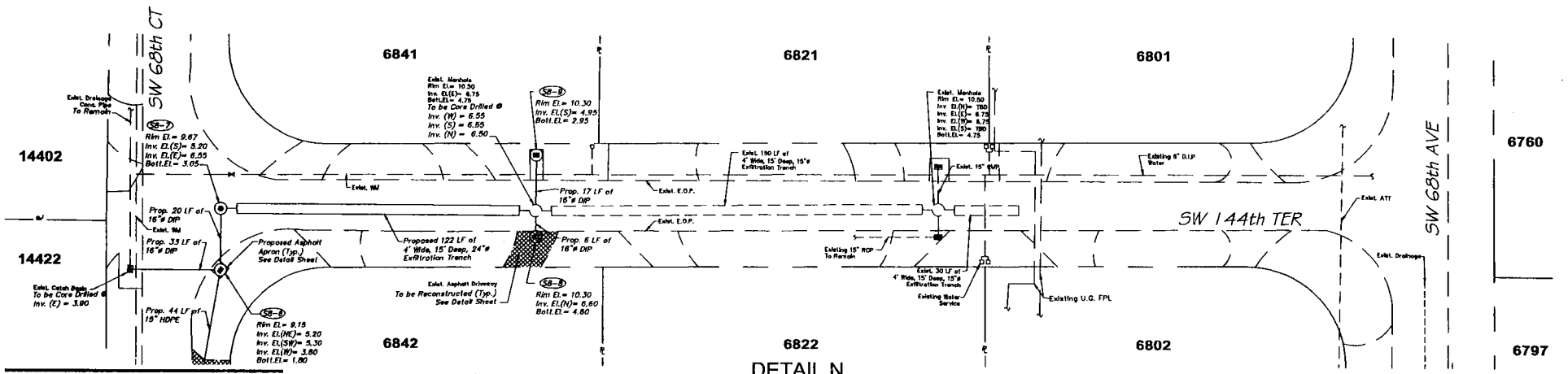


REVISIONS		APPROVED BY:					
DESCRIPTION	DATE	SEAN COMPEL, P.E.	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V
1.		LICENSED ENGINEER NO. 66618	ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM		
2.		STATE OF FLORIDA	901 PONCE DE LEON BLVD., SUITE 900	DESIGNED:	SC		
3.		DATE:	CORAL GABLES, FLORIDA 33134	CHECKED:	SC		
4.			MIAMI (305)-445-2900 FLORIDA (800)-448-0227	QC:	SC		
			FL REGISTRATION: EB0000022 AAC002142	CADD FILE:	1632-021		

01632-021 | SHEET NO. C12

NOTE:
CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXISTING ROADWAY ABOVE DRAINAGE INSTALLATIONS, SEE DETAILS SHEET. ANY DAMAGE TO EXISTING ASPHALT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF PALMETTO BAY. ALL REQUIRED RESTORATION COSTS SHALL BE INCLUDED IN THE LUMP SUM RESTORATION BID ITEMS.

Scale: 1" = 20' (Reduced: 1" = 40')
0 10 20 40



MATCH LINE A-A SHEET C10

DETAIL N

CONSTRUCTION NOTE:
Location of existing facilities as shown on construction drawings are from available records. The Engineer assumes no responsibility for the accuracy of the facilities shown or for any facility not shown. Verify the elevation, type of pipes and location of existing facilities prior to construction. If an existing facility is found to conflict with the proposed construction upon excavation the contractor shall immediately notify the engineer of record so that appropriate measures can be taken to resolve the problem. Contractor to notify the Village of Palmetto Bay and Sunshine State One Call of Florida, Inc. @ 811 at Least Forty Eight (48) Hours Prior to Excavating. Evidence of such notice shall be furnished to CSTS prior to excavating.

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

NOTE:
1. Exact location of drainage improvements will be determined by the Engineer after exploratory excavation by Contractor as directed by Engineer. Contractor shall order drainage structures only after exploratory excavation and final location determination and shop drawing approval by Engineer.
2. Asphalt Aprons shall be constructed around all catch basins not located in a driveway. See detail sheet.
3. Elevation shown on these drawings are not NGVD. They were established using approximate values. Rim elevations may need to be adjusted to accomodate field conditions.
4. Where catch basins are installed in existing driveways, the driveway shall be restored and sloped to the new catch basin.
5. Contractor shall temporarily relocate any required existing mailboxes during construction and reset mailboxes in original location with mounting and foundation elements to match previous.

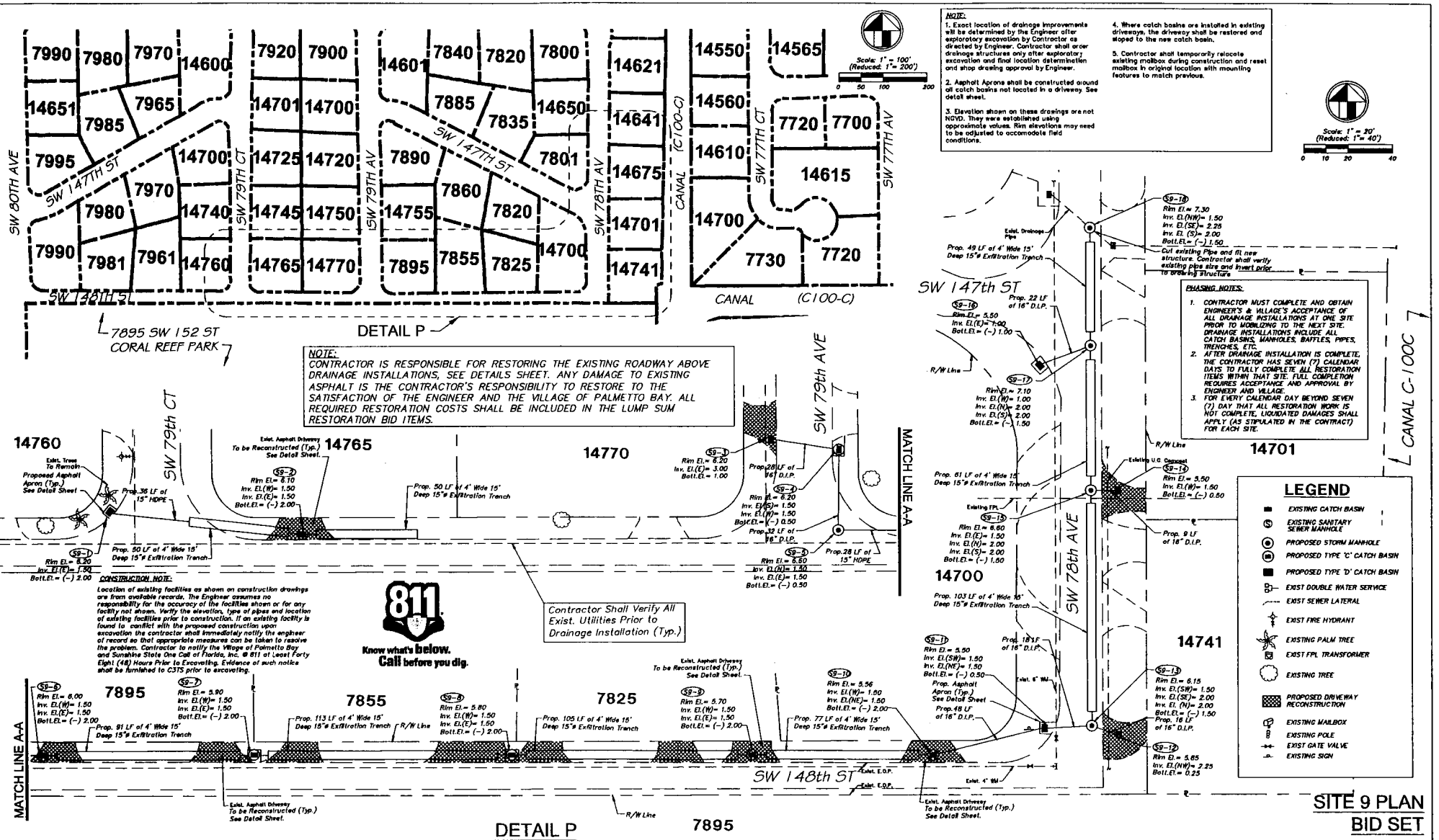
PHASING NOTES:
1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
2. AFTER DRAINAGE INSTALLATION IS COMPLETE, THE CONTRACTOR HAS SEVEN (7) CALENDAR DAYS TO FULLY COMPLETE ALL RESTORATION ITEMS WITHIN THAT SITE. FULL COMPLETION REQUIRES ACCEPTANCE AND APPROVAL BY ENGINEER AND VILLAGE.
3. FOR EVERY CALENDAR DAY BEYOND SEVEN (7) DAY THAT ALL RESTORATION WORK IS NOT COMPLETE, LIQUIDATED DAMAGES SHALL APPLY (AS STIPULATED IN THE CONTRACT) FOR EACH SITE.

LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- PROPOSED DRIVEWAY RECONSTRUCTION
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE
- EXISTING SIGN

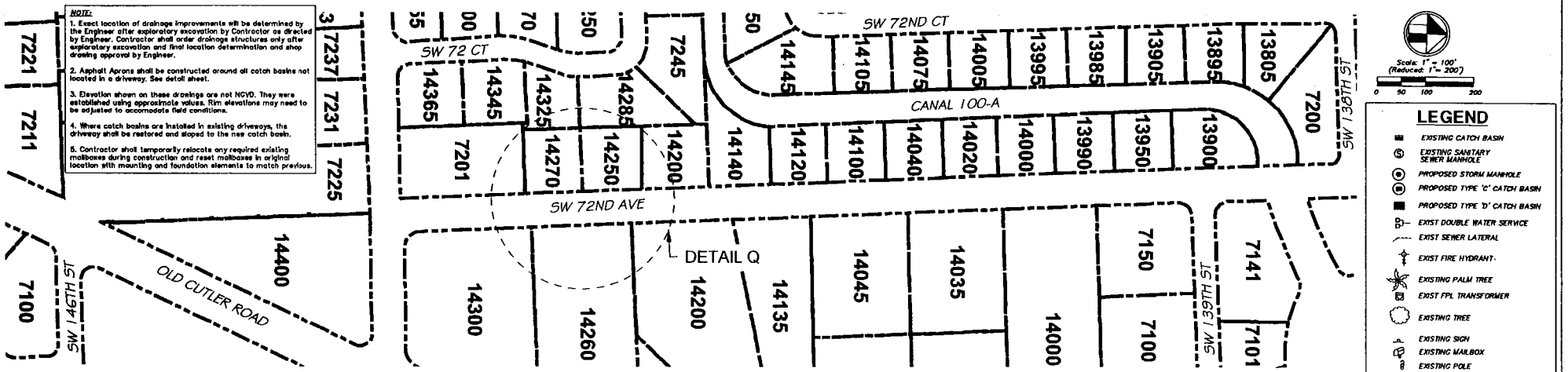
SITE 8 PLAN
BID SET

REVISIONS		APPROVED BY:		DATE:	09/19/12			SHEET NO.
DESCRIPTION	DATE		CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A. ENGINEERS·ARCHITECTS·PLANNERS 901 PONCE DE LEON BLVD., SUITE 800 CORAL GABLES, FLORIDA 33134 MIAMI (305)-448-2800 FLORIDA (800)-448-0227 FL REGISTRATION: EB0005022 AAC003142	DRAWN:	MM	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	C13
1.		SEAN COMPEL, P.E.		DESIGNED:	SC			
2.		LICENSED ENGINEER NO. 66618		CHECKED:	SC			
3.		STATE OF FLORIDA		QC:	SC			
4.		DATE:		CADD FILE:	1632-021		01632-021	



SITE 9 PLAN
BID SET

REVISIONS		APPROVED BY:		DATE:	09/19/12			SHEET NO.
DESCRIPTION	DATE	SEAN COMPEL, P.E.	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DRAWN:	MM	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	C14
1.		LICENSED ENGINEER NO. 66618	ENGINEERS·ARCHITECTS·PLANNERS	DESIGNED:	SC			
2.		STATE OF FLORIDA	801 PONCE DE LEON BLVD., SUITE 800	CHECKED:	SC			
3.		DATE:	CORAL GABLES, FLORIDA 33134	QC:	SC			
4.			MIAMI (305)-446-2800 FLORIDA (800)-446-0227	CADD FILE:	1632-021			
			FL REGISTRATION: EB0005032 AA0002142				01632-021	

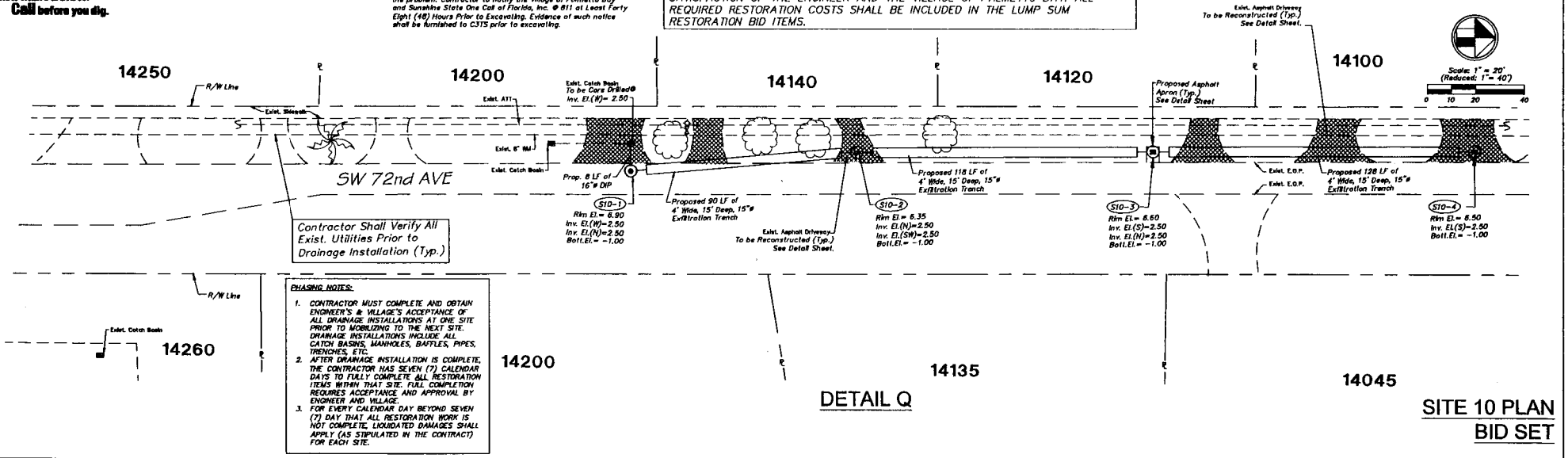


811 Know what's below. Call before you dig.

CONSTRUCTION NOTE:

Location of existing facilities as shown on construction drawings are from available records. The Engineer assumes no responsibility for the accuracy of the facilities shown or for any facility not shown. Verify the elevation, type of pipes and location of existing facilities prior to construction. If an existing facility is found to conflict with the proposed construction upon excavation the contractor shall immediately notify the engineer of record so that appropriate measures can be taken to resolve the problem. Contractor to notify the Village of Palmetto Bay and Sunshine State One Call of Florida, Inc. @ 811 at Least Forty Eight (48) Hours Prior to Excavating. Evidence of such notice shall be furnished to C3TS prior to excavating.

NOTE:
CONTRACTOR IS RESPONSIBLE FOR RESTORING THE EXISTING ROADWAY ABOVE DRAINAGE INSTALLATIONS, SEE DETAILS SHEET. ANY DAMAGE TO EXISTING ASPHALT IS THE CONTRACTOR'S RESPONSIBILITY TO RESTORE TO THE SATISFACTION OF THE ENGINEER AND THE VILLAGE OF PALMETTO BAY. ALL REQUIRED RESTORATION COSTS SHALL BE INCLUDED IN THE LUMP SUM RESTORATION BID ITEMS.

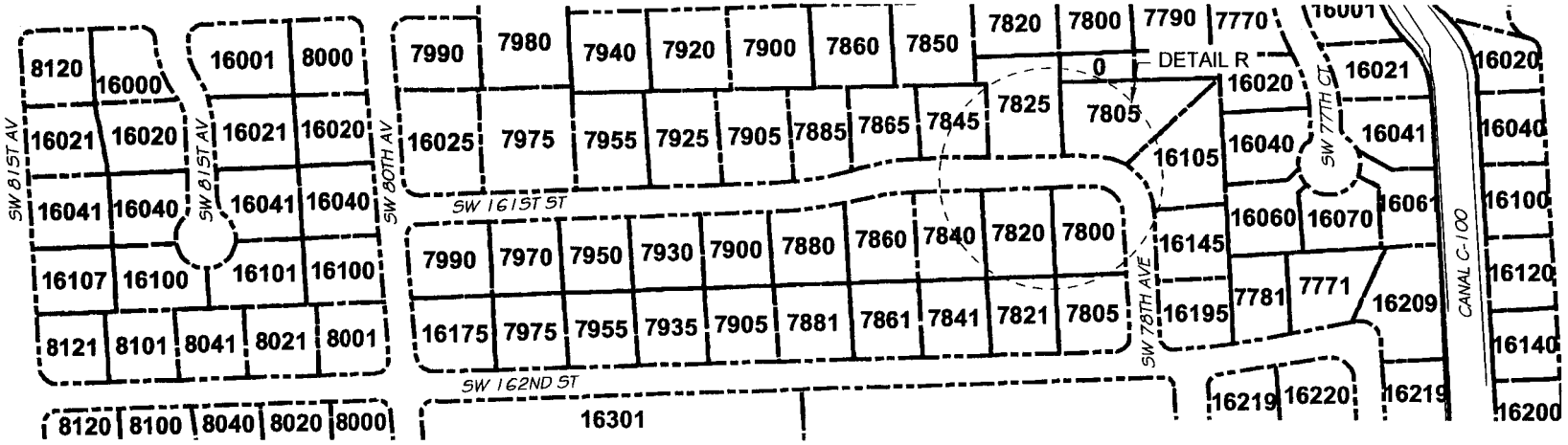


PHASING NOTES:

1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
2. AFTER DRAINAGE INSTALLATION IS COMPLETE, THE CONTRACTOR HAS SEVEN (7) CALENDAR DAYS TO FULLY COMPLETE ALL RESTORATION ITEMS WITHIN THAT SITE. FULL COMPLETION REQUIRES ACCEPTANCE AND APPROVAL BY ENGINEER AND VILLAGE.
3. FOR EVERY CALENDAR DAY BEYOND SEVEN (7) DAY THAT ALL RESTORATION WORK IS NOT COMPLETE, LIQUIDATED DAMAGES SHALL APPLY (AS STIPULATED IN THE CONTRACT) FOR EACH SITE.

SITE 10 PLAN
BID SET

REVISIONS		APPROVED BY:	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	01632-021	SHEET NO.
DESCRIPTION	DATE	SEAN COMPEL, P.E.	ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM				C15
1.		LICENSED ENGINEER NO. 66618	801 PONCE DE LEON BLVD., SUITE 900	DESIGNED:	SC				
2.		STATE OF FLORIDA	CORAL GABLES, FLORIDA 33134	CHECKED:	SC				
3.		DATE:	MIAMI (305)-445-2900 FLORIDA (800)-445-0227	QC:	SC				
4.			FL REGISTRATION: EB0008022 AA0002142	CADD FILE:	1632-021				

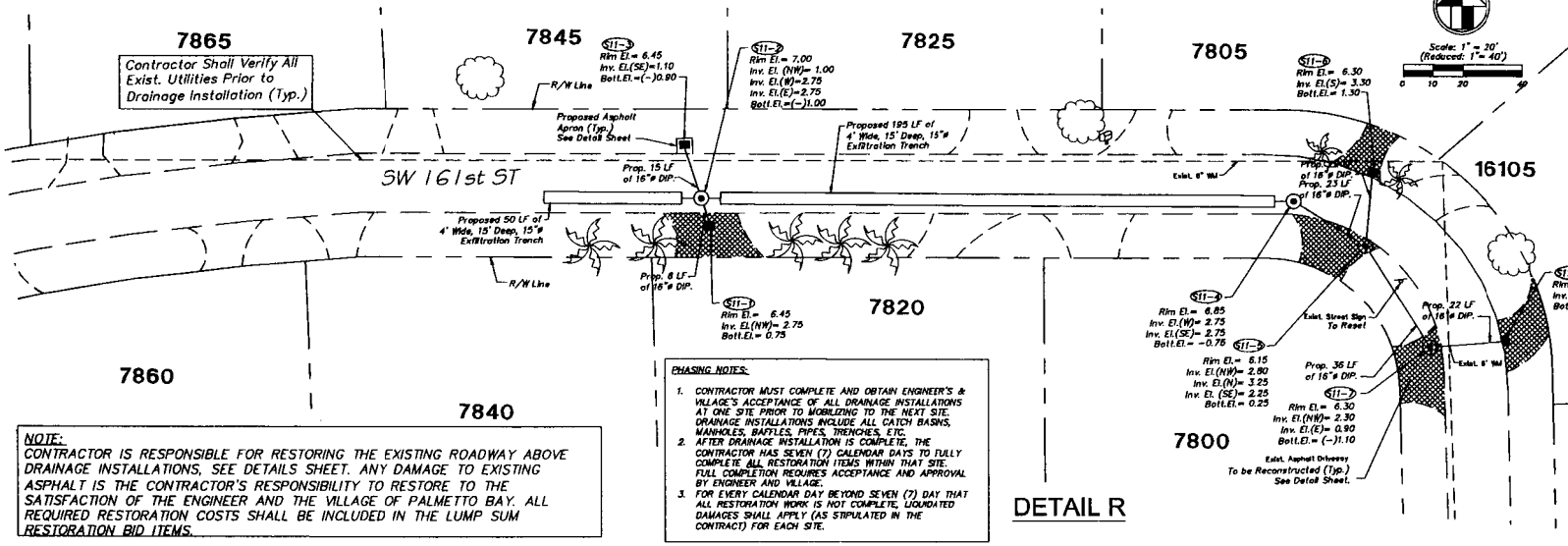


Scale: 1" = 100' (Reduced: 1" = 200')

0 50 100 200

LEGEND

- EXISTING CATCH BASIN
- EXISTING SANITARY SEWER MANHOLE
- PROPOSED STORM MANHOLE
- PROPOSED TYPE 'C' CATCH BASIN
- PROPOSED TYPE 'D' CATCH BASIN
- EXIST DOUBLE WATER SERVICE
- EXIST SEWER LATERAL
- EXIST FIRE HYDRANT
- EXISTING PALM TREE
- EXIST FPL TRANSFORMER
- EXISTING TREE
- PROPOSED DRIVEWAY RECONSTRUCTION
- EXISTING MAILBOX
- EXISTING POLE
- EXIST GATE VALVE
- EXISTING SIGN



Scale: 1" = 20' (Reduced: 1" = 40')

0 10 20 40

NOTE:

1. Exact location of drainage improvements will be determined by the Engineer after exploratory excavation by Contractor as directed by Engineer. Contractor shall order drainage structures only after exploratory excavation and final location determination and shop drawing approval by Engineer.
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PHASING NOTES:

1. CONTRACTOR MUST COMPLETE AND OBTAIN ENGINEER'S & VILLAGE'S ACCEPTANCE OF ALL DRAINAGE INSTALLATIONS AT ONE SITE PRIOR TO MOBILIZING TO THE NEXT SITE. DRAINAGE INSTALLATIONS INCLUDE ALL CATCH BASINS, MANHOLES, BAFFLES, PIPES, TRENCHES, ETC.
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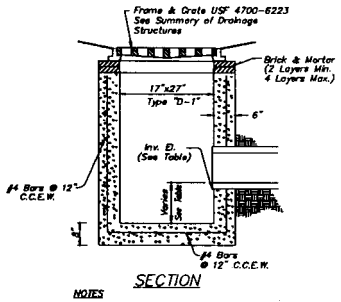
DETAIL R

SITE 11 PLAN
BID SET

REVISIONS		APPROVED BY:					
DESCRIPTION	DATE		CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V
1.		SEAN COMPEL, P.E.	ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM		
2.		LICENSED ENGINEER NO. 66618	801 PONCE DE LEON BLVD., SUITE 800	DESIGNED:	SC		
3.		STATE OF FLORIDA	CORAL GABLES, FLORIDA 33134	CHECKED:	SC		
4.		DATE:	MIAMI (305)-445-2900 FLORIDA (800)-448-0227	QC:	SC		
			FL REGISTRATIONS: EB0005022 AA0003149	CADD FILE:	1632-021		

01632-021

SHEET NO. C16



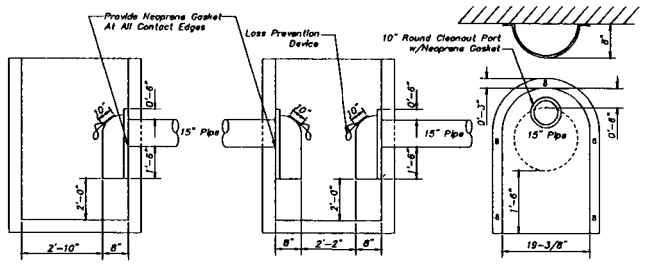
SECTION

NOTES

1. U.S. Precast Corp. (or equal) Type "D-1" 17"x27" Catch Basin
2. Concrete = 4000 P.S.I. at 28-Days, Type II Cement

17"x27" TYPE "D-1" CATCH BASIN DETAIL

N.T.S.

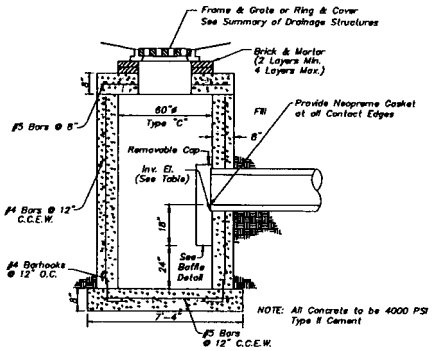


TRENCH ONE SIDE
N.T.S.

TRENCH BOTH SIDES
N.T.S.

FIBERGLASS BAFFLE DETAIL FOR 15" PIPE

N.T.S.

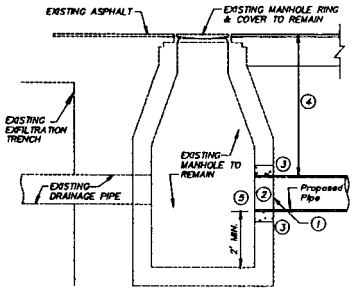


NOTES

1. U.S. Precast Corp. (or equal) Type "C" 60"ø Catch Basin
2. Concrete = 4000 P.S.I. at 28-Days, Type II Cement

60"ø TYPE "C" C.B. OR M.H. DETAIL

N.T.S.

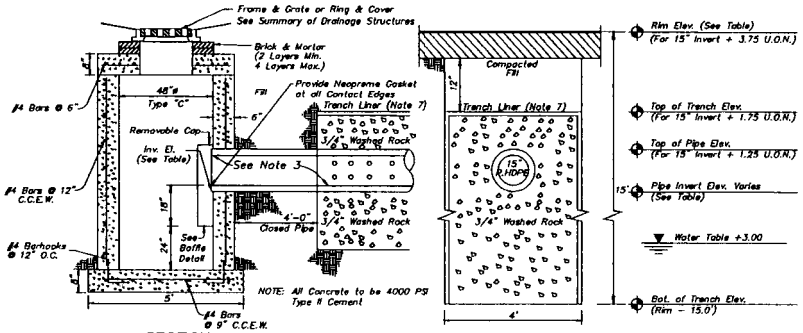


INDEX:

1. ENTRANCE BY CORE DRILLING ONLY
2. NEW OPENING SIZE TO BE O.D. OF PIPE +4"
3. SEAL ALL OPENINGS WITH GROUT
4. 2'-0" MIN. DISTANCE BETWEEN RIM ELEV. OF M.H. AND TOP OF PROPOSED PIPE.
5. PIPE SHALL BE FLUSH WITH INSIDE WALL OF MANHOLE.

NEW CONNECTION TO EXISTING MANHOLE/CATCH BASIN

N.T.S.



SECTION

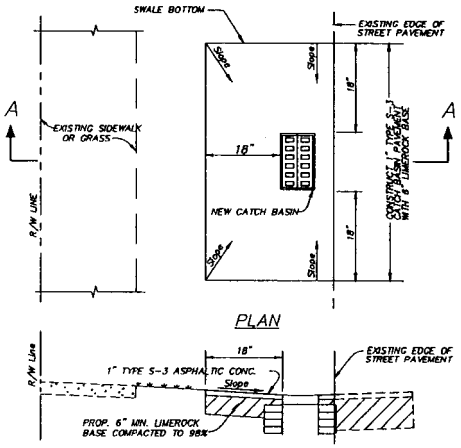
END VIEW OF TRENCH

NOTES

1. U.S. Precast Corp. (or equal) Type "C" 42"ø Catch Basin
2. Concrete = 4000 P.S.I. at 28-Days, Type II Cement
3. Trench Pipe Shall be 15" P.HDPE See Plan.
4. Pipes Shall Terminate 2 Feet from End of Trench or Connect to Additional Catch Basin As Required.
5. Cover Pipe Ends With No. 10 Galvanized or Aluminum Screen, Opening No Larger Then 1/2"x1/2".
6. Ballast Rock Shall be from Fresh Water Washed Free of Deleterious Matter.
7. Sides and Top of Trench to be Lined with Mirafi 700X Filter Fabric or Equal. Overlap Trench lining material a Minimum of Three (3) Feet at Top.

48"ø TYPE "C" CATCH BASIN AND EXFILTRATION TRENCH DETAIL

N.T.S.



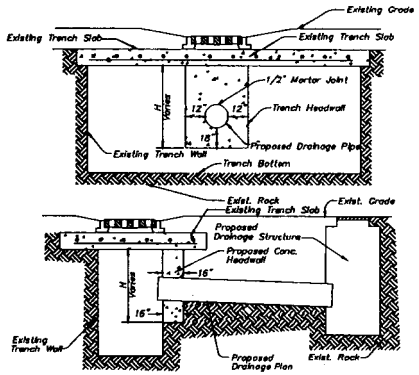
SECTION A-A

CATCH BASIN ASPHALT APRON

N.T.S.

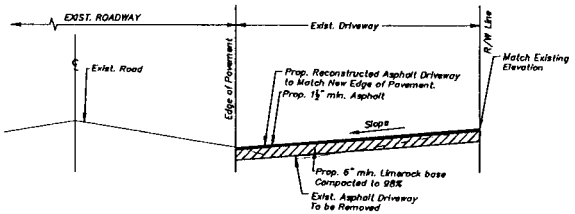
DETAILS
BID SET

REVISIONS		APPROVED BY:	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	01632-021	SHEET NO. C17
DESCRIPTION	DATE		ENGINEERS·ARCHITECTS·PLANNERS	DRAWN:	MM				
1.		SEAN COMPEL, P.E.	801 PONCE DE LEON BLVD., SUITE 900	DESIGNED:	SC				
2.		LICENSED ENGINEER NO. 66618	CORAL GABLES, FLORIDA 33134	CHECKED:	SC				
3.		STATE OF FLORIDA	MIAMI (305)-445-2900 FLORIDA (800)-445-0227	QC:	SC				
4.		DATE:	FL REGISTRATION: EB0005023 AA0003143	CADD FILE:	1632-021				

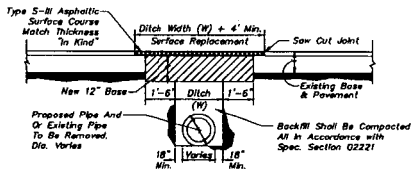


Notes: 1. Pipe Trench Walls Shall Be Cleaned and All Loose Particles Removed Prior to Construction of Headwall
2. All Headwall Concrete Shall Be 3,000 P.S.I.
*3. With #4 Rebars at 6" each way f_y= 60,000

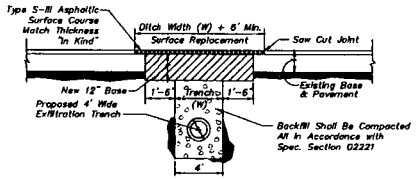
TYPICAL HEADWALL DETAIL
N.T.S.



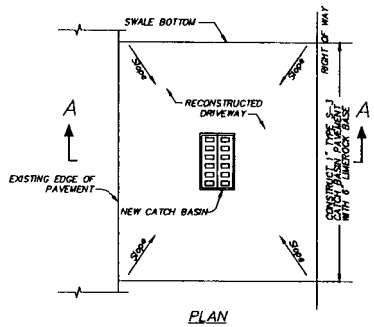
DRIVEWAY RESTORATION
N.T.S.



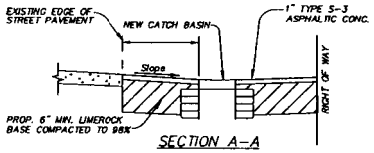
PAVEMENT RESTORATION OVER PIPE DETAIL
N.T.S.



PAVEMENT RESTORATION OVER EXFILTRATION TRENCH DETAIL
N.T.S.



PLAN



SECTION A-A

DRIVEWAY RESTORATION W/CATCH BASIN
N.T.S.

DETAILS
BID SET

REVISIONS		APPROVED BY:	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DATE:	09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	01632-021	SHEET NO. C18
DESCRIPTION	DATE		ENGINEERS•ARCHITECTS•PLANNERS	DRAWN:	MM				
1.		SEAN COMPEL, P.E.	801 PONCE DE LEON BLVD., SUITE 800	DESIGNED:	SC				
2.		LICENSED ENGINEER NO. 66618	CORAL GABLES, FLORIDA 33134	CHECKED:	SC				
3.		STATE OF FLORIDA	MIAMI (305)-448-2900 FLORIDA (800)-448-0227	QC:	SC				
4.		DATE:	FL REGISTRATION: EB0005022 AAC003142	CADD FILE:	1632-021				

SUMMARY OF DRAINAGE STRUCTURES

Structure No.	Structure Type		Grate Type	Interior Diam (inch)	Rim Elev (ft)	INVERTS (ft)								Pollution Retardant Baffle								Bottom (Sump) Elev (ft)	Comments
						N	S	E	W	NE	NW	SE	SW	N	S	E	W	NE	NW	SE	SW		
S1-1	INLET	TYPE C	USF 4700-6223	48.00	10.15			6.10								Y						2.80	
S1-2	INLET	TYPE C	USF 4700-6223	60.00	9.85			6.10	6.10		6.45					Y	Y					2.60	
S1-3	INLET	TYPE D-1	USF 4700-6223	17x27	10.15							6.45										4.45	
S1-4	INLET	TYPE D-1	USF 4700-6223	17x27	11.35				8.00													6.00	
S1-5	MH	TYPE C	USF 310 STORM SEWER	60.00	11.25	5.20		6.40	6.15					Y								1.70	
S1-6	MH	TYPE C	USF 310 STORM SEWER	60.00	12.40		5.20	8.00	6.05						Y							1.70	
S1-7	INLET	TYPE D-1	USF 4700-6223	17x27	11.50			6.05														4.05	
S1-8	INLET	TYPE C	USF 4700-6223	60.00	10.30	6.80		6.05						Y								3.30	
S2-1	MH	TYPE C	USF 310 STORM SEWER	60.00	11.29	4.90	4.90	7.50								Y						2.90	
S2-2	INLET	TYPE C	USF 4700-6223	48.00	12.29	8.45			7.50								Y					4.00	
S2-3	INLET	TYPE D-1	USF 4700-6223	17x27	12.23		8.45															6.45	
S2-4	MH	TYPE C	USF 310 STORM SEWER	60.00	10.03	6.25		5.30	5.35					Y								2.75	
S2-5	INLET	TYPE C	USF 4700-6223	17x27	9.10			5.35														3.35	
S2-6	INLET	TYPE C	USF 4700-6223	17x27	13.00		9.25															7.25	
S2-7	MH	TYPE C	USF 310 STORM SEWER	60.00	13.60		6.25	9.10	7.10						Y							2.75	
S2-8	INLET	TYPE C	USF 4700-6223	17x27	13.00			7.25														5.25	
S2-9	INLET	TYPE D-1	USF 4700-6223	17x27	11.54		7.75															5.75	
S2-10	MH	TYPE C	USF 310 STORM SEWER	60.00	11.75	7.85	7.70							Y								4.35	
S2-11	MH	TYPE C	USF 310 STORM SEWER	60.00	11.60	7.85	7.85		5.40			7.00		Y	Y							3.40	
S2-12	INLET	TYPE C	USF 4700-6223	48.00	11.21							5.50										3.50	
S2-13	MH	TYPE C	USF 310 STORM SEWER	60.00	11.80		7.85		5.40			7.00			Y							3.40	
S2-14	INLET	TYPE D-1	USF 4700-6223	17x27	11.59			5.50														3.50	
S2-15	INLET	TYPE D-1	USF 4700-6223	17x27	12.70	7.35																5.35	
S2-16	MH	TYPE C	USF 310 STORM SEWER	60.00	12.85		7.50									Y	Y					5.50	
S2-17	INLET	TYPE D-1	USF 4700-6223	17x27	12.85		7.50										Y					5.50	
S2-18	MH	TYPE C	USF 310 STORM SEWER	60.00	12.70	7.35			8.80													5.35	
S3-1	INLET	TYPE D-1	USF 4700-6223	17x27	6.30				2.55													0.55	
S3-2	MH	TYPE C	USF 310 STORM SEWER	60.00	6.95	2.65	2.65	2.45						Y	Y							-0.85	
S3-3	MH	TYPE C	USF 310 STORM SEWER	60.00	6.40		2.65		4.00						Y							-0.85	
S3-4	MH	TYPE C	USF 310 STORM SEWER	60.00	7.15	2.65								Y								-0.85	
S4-1	INLET	TYPE C	USF 4700-6223	60.00	11.72	7.95	7.95							Y	Y							4.45	
S4-2	INLET	TYPE C	USF 4700-6223	60.00	11.60	7.95	7.95				5.70			Y	Y							3.70	
S4-3	INLET	TYPE C	USF 4700-6223	60.00	11.40	7.95	7.95		5.60					Y	Y							3.60	
S6-1	INLET	TYPE D-1	USF 4700-6223	17x27	9.05				5.30													3.30	
S6-2	MH	TYPE C	USF 310 STORM SEWER	60.00	9.61	5.50		5.20						Y								2.00	
S6-3	MH	TYPE C	USF 310 STORM SEWER	60.00	9.61	5.50		5.20						Y	Y							2.00	
S6-4	MH	TYPE C	USF 310 STORM SEWER	60.00	9.31	5.50	5.50	5.20			3.30			Y	Y							1.30	
S6-5	INLET	TYPEC	USF 4700-6223	60.00	8.89	3.80																1.80	
S6-6	INLET	TYPEC	USF 4700-6223	60.00	8.63		3.40		5.50	3.80		3.40										1.40	
S6-7	MH	TYPE C	USF 310 STORM SEWER	60.00	9.65		5.50	5.50							Y							2.60	
S6-8	INLET	TYPE D-1	USF 4700-6223	17x27	9.30				5.60													3.60	
S7-1	INLET	TYPE C	USF 4700-6223	60.00	10.04	6.25	6.25				4.50			Y	Y							2.50	
S7-2	MH	TYPE C	USF 310 STORM SEWER	60.00	10.54		6.25	5.55	4.80						Y							2.75	
S7-3	INLET	TYPE C	USF 4700-6223	48.00	10.05							4.70										2.70	
S7-4	INLET	TYPE C	USF 4700-6223	48.00	9.30	5.55		4.90														2.90	
S7-5	MH	TYPE C	USF 310 STORM SEWER	60.00	10.05		5.48		6.30		5.40						Y					2.80	
S7-6	INLET	TYPE D-1	USF 4700-6223	17x27	9.30							4.90										2.90	
S8-1	INLET	TYPE C	USF 4700-6223	48.00	9.70			6.10	4.30							Y						2.30	
S8-2	INLET	TYPE C	USF 4700-6223	48.00	10.10	4.40		4.75						Y								0.90	
S8-3	INLET	TYPE D-1	USF 4700-6223	17x27	9.75			4.50														2.50	
S8-4	INLET	TYPE C	USF 4700-6223	60.00	9.77	5.40	4.40		4.35					Y	Y							0.90	
S8-5	INLET	TYPE C	USF 4700-6223	48.00	9.15		5.40			5.20					Y							1.90	
S8-6	INLET	TYPE C	USF 4700-6223	60.00	9.15			3.80	5.20				5.30									1.80	
S8-7	MH	TYPE C	USF 310 STORM SEWER	60.00	9.67		5.20	6.55								Y						3.85	
S8-8	INLET	TYPE C	USF 4700-6223	48.00	10.20	6.60																4.60	
S8-9	INLET	TYPE C	USF 4700-6223	48.00	10.30		4.95															2.95	
S9-1	INLET	TYPE D-1	USF 4700-6223	17x27	6.20			1.50								Y						-2.00	
S9-2	INLET	TYPEC	USF 4700-6223	48.00	6.10			1.50	1.50							Y	Y					-2.00	
S9-3	INLET	TYPE D-1	USF 4700-6223	17x27	6.20			3.00														1.00	
S9-4	INLET	TYPE C	USF 4700-6223	48.00	6.20		1.50		1.50													-0.50	
S9-5	MH	TYPE C	USF 310 STORM SEWER	60.00	6.60	1.50		1.50														-0.50	
S9-6	INLET	TYPE C	USF 4700-6223	48.00	6.00			1.50	1.50							Y						-2.00	
S9-7	INLET	TYPE C	USF 4700-6223	48.00	5.90			1.50	1.50							Y	Y					-2.00	
S9-8	INLET	TYPE C	USF 4700-6223	48.00	5.80			1.50	1.50							Y	Y					-2.00	
S9-9	INLET	TYPE C	USF 4700-6223	48.00	5.70			1.50	1.50							Y	Y					-2.00	
S9-10	INLET	TYPE C	USF 4700-6223	48.00	5.56			1.50	1.50								Y					-2.00	
S9-11	INLET	TYPE D-1	USF 4700-6223	17x27	5.50			1.50	1.50													-0.50	
S9-12	INLET	TYPE D-1	USF 4700-6223	17x27	5.85						2.25											0.25	
S9-13	MH	TYPE C	USF 310 STORM SEWER	60.00	6.15	2.00						2.00	1.50	Y								-1.50	
S9-14	INLET	TYPE D-1	USF 4700-6223	17x27	5.50				1.50													-0.50	
S9-15	MH	TYPEC	USF 310 STORM SEWER	60.00	6.60	2.00	2.00	1.50							Y	Y						-1.50	
S9-16	INLET	TYPE D-1	USF 4700-6223	17x27	5.50			1.00														-1.00	
S9-17	MH	TYPE C	USF 310 STORM SEWER	60.00	7.10	2.00	2.00		1.00						Y	Y						-1.50	
S9-18	MH	TYPE C	USF 310 STORM SEWER	60.00	7.30		2.00				1.50	2.25				Y						-1.50	
S10-1	MH	TYPE C	USF 310 STORM SEWER	60.00	7.10			2.50		2.50									Y			-1.00	
S10-2	INLET	TYPE C	USF 4700-6223	48.00	6.35	2.50							2.50	Y							Y	-1.00	
S10-3	INLET	TYPE C	USF 4700-6223	48.00	6.60	2.50	2.50							Y	Y							-1.00	
S10-4	INLET	TYPE C	USF 4700-6223	48.00	6.50		2.50								Y							-1.00	
S11-1	INLET	TYPE D-1	USF 4700-6223	17x27	6.45						2.75											0.75	
S11-2	MH	TYPE C	USF 310 STORM SEWER	60.00	7.10			2.75	2.75		1.00					Y	Y					-1.00	
S11-3	INLET	TYPE D-1	USF 4700-6223	17x27	6.45							1.10										-0.90	
S11-4	MH	TYPE C	USF 310 STORM SEWER	60.00	6.85				2.75			2.75					Y					-0.75	
S11-5	INLET	TYPE C	USF 4700-6223	60.00	6.15	3.25					2.80	2.25										0.25	
S11-6	INLET	TYPE D-1	USF 4700-6223	17x27	6.30		3.20															1.30	
S11-7	INLET	TYPE C	USF 4700-6223	48.00	6.30			0.90			2.30											-1.10	
S11-8	INLET	TYPE D-1	USF 4700-6223	17x27	3.25		0.90															-1.10	

SUMMARY OF DRAINAGE STRUCTURES
BID SET

REVISIONS		APPROVED BY:		DATE: 09/19/12	VILLAGE OF PALMETTO BAY	VILLAGEWIDE DRAINAGE IMPROVEMENTS PHASE V	01632-021	SHEET NO. C19
DESCRIPTION	DATE	SEAN COMPEL, P.E.	CORZO CASTELLA CARBALLO THOMPSON SALMAN, P.A.	DRAWN: MM				
1.		LICENSED ENGINEER NO. 66618	ENGINEERS•ARCHITECTS•PLANNERS	DESIGNED: SC				
2.		STATE OF FLORIDA	801 PONCE DE LEON BLVD., SUITE 900	CHECKED: SC				
3.		DATE:	CORAL GABLES, FLORIDA 33134	QC: SC				
4.			MIAMI (305)-445-2600 FLORIDA (800)-445-0237	CADD FILE: 1632-021				
			FL REGISTRATION: EB0008033 AA0002142					

Stantec Consulting Services Inc.
901 Ponce de Leon Boulevard Suite 900
Coral Gables FL 33134
Tel: (305) 445-2900
Fax: (305) 445-3366

Stantec

January 23, 2013
File: 1632-021

WORK ORDER FOR PROFESSIONAL SERVICES

TO: Village of Palmetto Bay
9495 SW 180th Street
Palmetto Bay, Florida 33157

ATTENTION: Corrice Patterson
Public Works Director

PROJECT NAME: **Villagewide Drainage Improvements**
Phase V – Construction Administration

SCOPE OF PROJECT:

The design was completed for eleven (11) localized drainage areas throughout the Village. This proposal includes the construction administration of the seven (7) areas that will be constructed at this time. The remaining areas will be constructed as funds become available. A breakdown of construction administration fees has been provided.

SCOPE OF SERVICES:

Construction Phase

Assist in preparation of all documents needed in executing the contract between the Village and the Contractor, attend pre-construction conference and prepare minutes, perform limited Construction Engineering Inspections (approximately 10 hrs/wk) and submit reports, attend biweekly project meetings and prepare minutes, review shop drawings, review the Contractor's Application for Payment and submit recommendation to the Village, perform project closeout with Contractor including final inspection, punch list, final Application for Payment review, and submit Certificate of Completion.

TERMS AND CONDITIONS:

All terms and conditions shall be per our Continuing Services Agreement for Engineering Services. Our fees for the above services shall be as per the following lump sum fee schedule:

Construction Phase **$31,400**

Area 1	$8,000		Area 8	$4,500
Area 2	$7,000		Area 9	$3,200
Area 4	$3,000		Area 10	$3,000
Area 7	$2,700			

We are ready to begin working on this assignment upon your authorization to proceed. If acceptable to you, we will accept a signed copy of this form as your written authorization to proceed.

Thank you.

Stantec Consulting Services Inc.

Sean Compel, P.E., LEED AP
Associate

Village of Palmetto Bay

Approved by:

_____ _____
Date