

**Date of Advertisement:**  
**December 30, 2009 in the Herald Newspapers**

**ADVERTISEMENT FOR BIDS  
BOARD OF CHOSEN FREEHOLDERS  
CAPE MAY COUNTY – NEW JERSEY**

Notice is hereby given that sealed proposals addressed to Stephen O'Connor, County Administrator, will be received up to **2:00 P.M.** prevailing time, on **Wednesday, January 27, 2010**, at which time they will be publicly opened and read at the William E. Sturm, Jr. Administration Building, 4 Moore Road, Crest Haven Complex, Cape May Court House, New Jersey, for the following:

**“2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II”**

Proposal forms, instructions to bidders, specifications and other bidding documents may be obtained upon payment of a **\$75.00 Charge (non-refundable)** at the office of the County Engineer, Dale M. Foster, (609) 465-1035, during normal office hours at the above address.

The Board reserves the right to reject any or all proposals in whole or in part and to waive such informalities as may be permitted by law.

Bidders are required to comply with the requirements of N.J.S.A.10:5-31 Et.Seq. and N.J.A.C. 17:27: 27.

Bids must be made on standard proposal form in the manner designated therein and required by the specifications, must be enclosed in sealed envelopes bearing the name and address of the bidder and marked **“2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II”** on the outside, addressed to Stephen O'Connor, County Administrator, Administration Building, 4 Moore Road, Crest Haven Complex, Cape May Court House, New Jersey 08210, and must be accompanied by a cashier's or certified check or a bid bond for not less than 10% of the amount bid, but not in excess of \$20,000.00, drawn to the order of Cape May County Treasurer, and be delivered at the place on or before the hour named above.

**Stephen O'Connor**  
**County Administrator**

**Daniel Beyel**  
**Director**

# PROPOSAL

## **2009 Miscellaneous Drainage Improvements II**

To the Board of Chosen Freeholders of the County of Cape May, New Jersey:

The undersigned hereby declares that he has carefully examined the Advertisement, Specifications, Plans and site of the Project and form of Contract and Bond for the projects as specified and delineated at the price per unit of measure for each scheduled item of work stated in the Schedule of Prices following.

It is understood that the TOTAL PRICE stated by the undersigned in the Schedule of Prices is based on the estimated quantities and will control in the awarding of the Contract. It is further understood that the quantities stated in the Schedule of Prices for various items are estimates only and may be increased or decreased as provided in the Specifications.

### **SCHEDULE OF PRICES** **BASE BID**

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
1	CLEARING SITE – CR 640, CITY OF CAPE MAY	LS	1		
2	18" REINFORCED CONCRETE CULVERT PIPE	LF	100		
3	30" REINFORCED CONCRETE CULVERT PIPE	LF	60		
4	NO ITEM	–	–		
5	RECONSTRUCTED INLETS, TYPE B USING EXISTING CASTING	UNIT	4		
6	RECONSTRUCTED STORM MANHOLES USING EXISTING CASTING	UNIT	2		
7	NO ITEM	–	–		
8	TEMPORARY PAVEMENT RESTORATION – CR 640, CITY OF CAPE MAY	LS	1		
9	FINAL PAVEMENT RESTORATION – CR 640, CITY OF CAPE MAY	LS	1		
10	CLEARING SITE, CR 619 AT 91 <sup>ST</sup> STREET, STONE HARBOR	LS	1		
11	INLETS, TYPE A	UNIT	3		
12	RECONSTRUCT INLETS, TYPE A, USING EXISTING CASTING	UNIT	1		

Date \_\_\_\_\_

\_\_\_\_\_  
Firm Name of Bidder

**PROPOSAL** (Continued)

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
13	RECONSTRUCT INLETS, TYPE B, USING EXISTING CASTING	UNIT	1		
14	EARTH EXCAVATION FOR TEST PITS	UNIT	8		
15	16" DUCTILE IRON CULVERT PIPE	LF	80		
16	20" DUCTILE IRON CULVERT PIPE	LF	120		
17	TIDEFLEX VALVE MATING ONTO 20" DIP	UNIT	1		
18	6" X 18" CONCRETE VERTICAL CURB	LF	80		
19	8" X 18" CONCRETE GUTTER	LF	80		
20	NO ITEM	-	-		
21	BULKHEAD RESTORATION	LS	1		
22	TEMPORARY RESTORATION, CR 619 AT 91 <sup>ST</sup> STREET, STONE HARBOR	LS	1		
23	FINAL RESTORATION, CR 619 AT 91 <sup>ST</sup> STREET, STONE HARBOR	LS	1		
24	CLEARING SITE, CR 619 AT 63 <sup>RD</sup> STREET, SEA ISLE CITY	LS	1		
25	INLETS, TYPE A	UNIT	3		
26	INLETS, TYPE B	UNIT	9		
27	INLETS, TYPE E	UNIT	4		
28	STORM MANHOLES, 4' DIAMETER	UNIT	2		
29	RECONSTRUCTED MANHOLES USING EXISTING CASTING	UNIT	1		
30	16" DUCTILE IRON CULVERT PIPE	LF	10		
31	18" DUCTILE IRON CULVERT PIPE	LF	100		
32	24" DUCTILE IRON CULVERT PIPE	LF	60		
33	15" REINFORCED CONCRETE CULVERT PIPE	LF	360		
34	30" REINFORCED CONCRETE CULVERT PIPE	LF	800		
35	PRECAST CONCRETE VALVE CHAMBER – 9.33' X 6.33'	UNIT	1		
36	TIDEFLEX VALVE MATING ONTO 30" RCCP	UNIT	1		

Date \_\_\_\_\_

Firm Name of Bidder \_\_\_\_\_

**PROPOSAL** (Continued)

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
37	RIP-RAP SLOPE PROTECTION	SY	16		
38	6" X 18" CONCRETE VERTICAL CURB	LF	700		
39	CONCRETE SIDEWALK, 4" THICK	SY	100		
40	8" X 18" CONCRETE GUTTER	LF	750		
41	JUNCTION BOXES 17" X 30"	UNIT	3		
42	MILLING, 2" VARIABLE DEPTH	SY	1500		
43	HMA SURFACE COURSE, MIX I-4	TON	230		
44	RESTORATION, LANDIS AVE AT 63 <sup>RD</sup> STREET	LS	1		
45	EARTH EXCAVATION FOR TEST PITS	UNIT	8		
46	DETECTABLE WARNING SURFACE	SY	3.6		
47	NO ITEM	-	-		
48	CLEARING SITE, CR 619 AT 66 <sup>TH</sup> STREET, SEA ISLE CITY	LS	1		
49	INLETS, TYPE B	UNIT	1		
50	RECONSTRUCTED INLETS, TYPE B, USING NEW CASTING	UNIT	1		
51	RETROFIT EXISTING INLETS, TYPE B, CASTING	UNIT	2		
52	12" DUCTILE IRON CULVERT PIPE	LF	30		
53	6" X 18" CONCRETE VERTICAL CURB	LF	20		
54	8" X 24" CONCRETE GUTTER	LF	20		
55	RESTORATION, CR 619 AT 66 <sup>TH</sup> STREET, SEA ISLE CITY	LS	1		
56	NO ITEM	-	-		
57	NO ITEM	-	-		
58	CLEARING SITE, CR 621, WILDWOOD	LS	1		
59	EARTH EXCAVATION FOR TEST PITS	UNIT	8		
60	12" DUCTILE IRON CULVERT PIPE	LF	260		

Date \_\_\_\_\_

\_\_\_\_\_  
Firm Name of Bidder

**PROPOSAL** (Continued)

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
61	16" DUCTILE IRON CULVERT PIPE	LF	260		
62	INLETS, TYPE A	UNIT	9		
63	MANHOLE, 4' DIAMETER	UNIT	1		
64	RECONSTRUCTED STORM MANHOLES USING EXISTING CASTING	UNIT	6		
65	RESTORATION, CR 621, WILDWOOD	LS	1		
66	NO ITEM	-	-		
67	NO ITEM	-	-		
68	NO ITEM	-	-		
69	CLEARING SITE – OCEAN VIEW MAINTENANCE YARD	LS	1		
70	SEPARATION OF ASBESTOS PIPE FROM RUBBLE PILE	CY	1500		
71	DISPOSAL OF ASBESTOS PIPE	LS	1		
72	NO ITEM	-	-		
73	NO ITEM	-	-		
74	NO ITEM	-	-		
75	NO ITEM	-	-		
76	CLEARING SITE – CR 671, UPPER TOWNSHIP	LS	1		
77	INLETS, TYPE A	UNIT	3		
78	INLETS, TYPE E	UNIT	1		
79	RECONSTRUCTED INLETS, TYPE A, USING EXISTING CASTING	UNIT	2		
80	15" REINFORCED CONCRETE CULVERT PIPE	LF	90		
81	18" REINFORCED CONCRETE CULVERT PIPE IN STONE TRENCH	LF	550		
82	TREE REMOVAL, OVER 30" DIAMETER	UNIT	1		
83	RESTORATION – CR 671, UPPER TOWNSHIP	LS	1		
84	NO ITEM	-	-		
85	NO ITEM	-	-		

Date \_\_\_\_\_

Firm Name of Bidder \_\_\_\_\_

**PROPOSAL** (Continued)

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
86	NO ITEM	-	-		
87	CLEARING SITE, (35 <sup>TH</sup> STREET), OCEAN CITY	LS	1		
88	INLETS, TYPE A	UNIT	1		
89	RESTORATION, (35 <sup>TH</sup> STREET), OCEAN CITY	LS	1		
90	NO ITEM	-	-		
91	CLEARING SITE – CR 619 (WEST AVE), OCEAN CITY	LS	1		
92	CONCRETE DRIVEWAY, 6” THICK	SY	40		
93	MODIFY STAIRS	LS	1		
94	RESTORATION – CR 619 (WEST AVE), OCEAN CITY	LS	1		
95	NO ITEM	-	-		
96	NO ITEM	-	-		
97	NO ITEM	-	-		

TOTAL PRICE BASE BID \_\_\_\_\_ \$ \_\_\_\_\_

**OPTION 1**

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
1.1	3’ ADDITIONAL DEPTH INLET TYPE A CONSTRUCTION	UNIT	2		
1.2	INLETS, TYPE B	UNIT	1		
1.3	3’ ADDITIONAL DEPTH FOR 20” PIPE INSTALLATION	LF	40		
1.4	INLETS, TYPE A	UNIT	1		
1.5	3’ ADDITIONAL DEPTH FOR 16” PIPE INSTALLATION	LF	70		

TOTAL PRICE OPTION 1 \_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_  
Firm Name of Bidder

\_\_\_\_\_  
Date

**PROPOSAL** (Continued)

**OPTION 2**

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
2.1	3' ADDITIONAL DEPTH INLET TYPE B CONSTRUCTION	UNIT	2		
2.2	3' ADDITIONAL DEPTH STORM MANHOLE CONSTRUCTION	UNIT	2		
2.3	3' ADDITIONAL DEPTH FOR 18" PIPE INSTALLATION	LF	100		

TOTAL PRICE OPTION 2 \_\_\_\_\_ \$ \_\_\_\_\_

**OPTION 3**

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
3.1	3' ADDITIONAL DEPTH FOR 12" PIPE INSTALLATION	LF	140		
3.2	3' ADDITIONAL DEPTH INLET TYPE A CONSTRUCTION	UNIT	5		

TOTAL PRICE OPTION 3 \_\_\_\_\_ \$ \_\_\_\_\_

TOTAL PRICE BASE BID + OPTION 1, 2 & 3 \_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_  
Firm Name of Bidder

**PROPOSAL** (Continued)

Accompanying this proposal is a certified or cashier's check or bid bond made payable to Cape May County Board of Chosen Freeholders for not less than ten (10) percent of the amount bid, but not more than \$20,000, which the undersigned agree is to be forfeited as liquidated damages and not as a penalty if the Contract is awarded to the undersigned and the undersigned shall fail to execute the Contract for the Project and furnish the bond required within the stipulated time.

(an Individual )

The undersigned is (a Corporation) under the laws of the State of \_\_\_\_\_,  
(a Partnership)

having principal offices at \_\_\_\_\_

Signed by \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_

Firm \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone No. \_\_\_\_\_

Fax No. \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_  
Firm Name of Bidder

CAPE MAY COUNTY  
DEPARTMENT of PUBLIC WORKS  
Office of the COUNTY ENGINEER



DANIEL BEYEL  
Freeholder

4 Moore Road  
Cape May Court House, N.J. 08210-1601  
(609) 465-1035 ☐ Fax: 465-1418

DALE M. FOSTER  
Engineer

January 21, 2010

Memo To: Prospective Bidders

From: Dale M. Foster, PE, County Engineer

Re: **2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II,  
VARIOUS COUNTY ROADS  
CAPE MAY COUNTY, NJ  
ADDENDUM NO. 1**

---

Addendum No. 1 has been issued to the Contract Documents for the referenced project. The revision listed shall be made to the Contract Documents issued for the receipt of bids. This addendum shall become part of the total contract.

Please note that Addendum No. 1 changes the receipt of bids from 2:00 P.M., Wednesday, January 27, 2010, to **2:00 P.M., Tuesday, February 2, 2010.**

The Bidder shall acknowledge receipt of this Addendum by signing and returning the attached acknowledgement sheet with the Bidder's Proposal.

The County regrets any inconvenience that this Addendum causes.

DMF/df  
Enclosures

Cc: Stephen O'Connor, Clerk/Administrator  
Purchasing Department

## **ADDENDUM NO. 1**

The revisions listed below shall become part of the contract, due consideration to these revisions shall be made by the Contractor in preparing his bid for the project. The Contractor shall acknowledge receipt of this Addendum by signing and returning the attached sheet with the Contractor's Proposal. Proposals not including a signed copy of the attached sheet will not be considered.

### **THE FOLLOWING CHANGES SHALL BE MADE TO THE ADVERTISEMENT FOR PROPOSALS:**

The first paragraph of the Advertisement for Proposals is revised to read as follows:

Notice is hereby given that sealed proposals addressed to Stephen O'Connor, County Administrator, will be received up to **2:00 P.M.** prevailing time, on **Tuesday, February 2, 2010**, at which time they will be publicly opened and read at the William E. Sturm, Jr. Administration Building, 4 Moore Road, Crest Haven Complex, Cape May Court House, New Jersey, for the following:

#### **"2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II"**

STEPHEN O'CONNOR,  
CLERK/ADMINISTRATOR

DANIEL BEYEL,  
FREEHOLDER DIRECTOR

ADDENDUM NO. 1 ACKNOWLEDGEMENT

Acknowledgement is hereby made of Addendum No. 1, issued on January 21, 2010, received since the issuance of the Contract Documents for **2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II, VARIOUS COUNTY ROAD, CAPE MAY COUNTY, NJ**. The Contractor shall include this signed sheet with his bid package.

Signature of Bidder: \_\_\_\_\_

Title: \_\_\_\_\_

Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Date: \_\_\_\_\_

CAPE MAY COUNTY  
DEPARTMENT of PUBLIC WORKS  
Office of the COUNTY ENGINEER



DANIEL BEYEL  
*Freeholder*

4 Moore Road  
Cape May Court House, N.J. 08210-1601  
(609) 465-1035 ☐ Fax: 465-1418

DALE M. FOSTER  
*Engineer*

January 22, 2010

Memo To: Prospective Bidders

From: Dale M. Foster, PE, County Engineer

Re: **2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II,  
VARIOUS COUNTY ROADS  
CAPE MAY COUNTY, NJ  
ADDENDUM NO. 2**

---

Addendum No. 2 has been issued to the Contract Documents for the referenced project. The revision listed shall be made to the Contract Documents issued for the receipt of bids. This addendum shall become part of the total contract.

The Bidder shall acknowledge receipt of this Addendum by signing and returning the attached acknowledgement sheet with the Bidder's Proposal.

The County regrets any inconvenience that this Addendum causes.

DMF/df  
Enclosures

Cc: Stephen O'Connor, Clerk/Administrator  
Purchasing Department

## ADDENDUM NO. 2

The revisions listed below shall become part of the contract, due consideration to these revisions shall be made by the Contractor in preparing his bid for the project. The Contractor shall acknowledge receipt of this Addendum by signing and returning the attached sheet with the Contractor's Proposal. Proposals not including a signed copy of the attached sheet will not be considered.

### **THE FOLLOWING CHANGES SHALL BE MADE TO THE PROPOSALS:**

**Page P2 of 7** of the Proposal, the following Item Nos. are revised to read as follows:

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Contract Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
16	20" DUCTILE IRON CULVERT PIPE	LF	45		
17	NO ITEM	-	-		
21	NO ITEM	-	-		
27	INLETS, TYPE E	UNIT	5		
33	15" REINFORCED CONCRETE CULVERT PIPE	LF	370		

**Page P3 of 7** of the Proposal, the following Item Nos. are revised to read as follows:

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Contract Quantity</b>	<b>Unit Price</b>	<b>Amount</b>
47	PIPE GROUTNG FOR 18" PIPE	LF	600		

New proposal pages, Page P-2R and Page P-3R, dated January 22, 2010, are attached and shall be substituted for the original pages as found in the Contract Documents.

### **THE FOLLOWING CHANGES SHALL BE MADE TO THE SPECIFICATIONS:**

**Subsection 602.03 Construction Requirements, Page 44:**

Add the following:

**10. Pipe Grouting.** Existing storm drain pipes and manholes to remain in place and abandoned shall be filled with a flowable concrete grout mixture. The flowable concrete grout mixture shall be as approved by the Engineer. The abandoned pipe to be filled shall be exposed every one hundred feet so as to allow the pipe to be completely filled with the grout mixture. The locations for opening the pipe for grouting shall minimize the potential damage to existing construction and utilities.

Upon completion of all work, the Contractor shall restore the work area back to, as a minimum, its original condition and to the satisfaction of the Engineer.

**Subsection 602.10 Method of Measurement, Page 45:**

Add the following:

Pipe grouting of the various sizes and kinds of pipes will be measured by the linear foot.

**Subsection 602.11 Basis of Payment, Page 45:**

Add the following:

Payment will be made under:

*Pay Item*

*Pay Unit*

PIPE GROUTING FOR 18" PIPE

LINEAR FOOT

**THE FOLLOWING CHANGES SHALL BE MADE TO THE PLANS:**

On **Sheet 2**, in the DISTRIBUTION OF QUANTITIES Table: the following Item Nos. are revised to read as follows:

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Contract Quantity</b>	<b>Where Directed</b>	<b>Plan Quan.</b>	<b>As-Built Quantity</b>
16	20" DUCTILE IRON CULVERT PIPE	LF	45	5	40	
17	NO ITEM	-	-			
21	NO ITEM	-	-			
27	INLETS, TYPE E	UNIT	5	-	5	
33	15" REINFORCED CONCRETE CULVERT PIPE	LF	370	17	353	
40	8" X 18" CONCRETE GUTTER	LF	700	30	670	
47	PIPE GROUTNG FOR 18" PIPE	LF	600	70	530	

On **Sheet 4**, in the PLAN VIEW: All proposed construction work west of the west curblin of Third Avenue is eliminated from this Contract.

On **Sheet 4**, in the TO BE CONSTRUCTED Box: the following Item Nos. are revised to read as follows:

<b>Item No.</b>	<b>Description</b>	<b>Unit</b>	<b>Plan Quantity</b>	<b>Contract Quantity</b>	<b>As-Built Quantity</b>
14	EARTH EXCAVATION FOR TEST PITS	UNIT	8	8	
16	20" DUCTILE IRON CULVERT PIPE	LF	40	45	
17	NO ITEM	-	-		
21	NO ITEM	-	-		

On **Sheet 5**, in the PLAN VIEW:

- 18" CMP along north side of 63<sup>rd</sup> Street to be filled with grout. A callout has been added for this work.
- At Sta. 11+72 +/- left on 63<sup>rd</sup> Street, remove existing Inlet, Type A behind curb, construct 10 LF of 15" RCCP and Inlet, Type E. A callout has been added for this work. The frame and grate of the Inlet, Type A being removed, if in good condition, may be reused as part of this Contract.
- Type E Inlets at this worksite shall be constructed without the sump. The detail has been revised to reflect this change.

On **Sheet 6**:

- A new detail has been added to reflect the temporary and final restoration of the pavement within the Central Avenue right-of-way.

- At Sta. 15+10+/- right on 63<sup>rd</sup> Street, remove the existing storm drain pipe. Also remove the existing manhole to a depth of approximately 18 inches below grate and fill remaining manhole with sand or grout.

On **Sheet 7**, in the TO BE CONSTRUCTED Box: the following Item Nos. are revised to read as follows:

Item No.	Description	Unit	Plan Quantity	Contract Quantity	As-Built Quantity
27	INLETS, TYPE E	UNIT	5	5	
33	15" REINFORCED CONCRETE CULVERT PIPE	LF	353	370	
40	8" X 18" CONCRETE GUTTER	LF	670	700	
47	PIPE GROUTING FOR 18" PIPE	LF	530	600	

On **Sheet 7, Note 2**: Note 2 shall be revised to read as follows:

2. The Chamber shall be designed for an HS20+25% wheel loading.

New Plan Sheets, Sheet No. 5R, 6R and 7R, are attached and shall be substituted for the original sheets as found in the Contract Plans.

### THE FOLLOWING ARE RESPONSES TO QUESTIONS RECEIVED:

#### Cape May – Sheet 3 of 14

1. Can the intersection be closed to traffic or is one lane required with flaggers?
2. Do trenches need temporary paving installed daily? Would the need for temporary paving be affected if the roadway were allowed to be closed rather than one lane?

#### RESPONSES

1. *If Cape May Police Department allows, the intersection can be closed to traffic during working hours but shall be passable during non-working hours.*
2. *Contractor may use millings to fill trenches on a daily basis. The trenches shall be maintained on a daily basis until temporary paving is performed. The Contractor shall respond immediately if there are issues with the trench and their restoration. However the trenches shall be paved by Friday of each week – no exceptions.*

#### Stone Harbor – Sheet 4 of 14

1. Item #16 at 75' run of 16" RCP to bulkhead – there is a gazebo, with electric, and deck directly on top of pipe location. Should the gazebo be relocated and if so, where should this cost be accounted for?
2. Can roadway CR 619 be closed and detoured or is one lane required to be open with flaggers?
3. Do trenches need temporary paving installed daily? Would the need for temporary paving be affected if the roadway were allowed to be closed rather than one lane?
4. Option 1, Item Nos. 1.2 and 1.4 – What depth are these to be set at?

## RESPONSES

1. *Addendum No. 2 eliminated the work west of the curbline and therefore this question is no longer an issue.*
2. *Yes, Ocean Drive can be closed and traffic detoured on a daily basis.*
3. *Contractor may use millings to fill trenches on a daily basis. The trenches shall be maintained on a daily basis until temporary paving is performed. The Contractor shall respond immediately if there are issues with the trench and their restoration. However the trenches shall be paved by Friday of each week – no exceptions.*
4. *The depth of the additional Inlets under Item Nos. 1.2 and 1.4 cannot be determined until the Earth Excavation for Test Pits is completed at this worksite. The depth made be up to 3 feet deeper than the proposed inlets within the base bid.*

### Sea Isle City 63<sup>rd</sup> Street & CR 619 – Sheets 5, 6 and 7 of 14

1. It would seem to be exceedingly difficult to maintain structural integrity of the existing curb due to the close proximity and depth of the 30" RCP at 63<sup>rd</sup> Street. Can an allowance be made for additional curb in case of damage?
2. The above request in respect to the 15" RCP and the existing sidewalks at CR 619.
3. Can the intersection be closed to traffic or is one lane required with flaggers?
4. Do trenches need temporary paving installed daily? Would the need for temporary paving be affected if the roadway were allowed to be closed rather than one lane?
5. In reference to the electrical junction boxes: Will the current conduit/wiring require reconnections in the new boxes? Is it to be assumed that the new junction boxes will be installed over the existing conduit sweeps, not requiring disconnects/re-connects of the wiring?
6. Is the plan to place the new boxes at the same location? The existing box on the west corner near the vacant lot appears to be in conflict with the proposed handicap ramp.
7. If the new junction boxes are to be placed at a new location, are the existing boxes to be removed?
8. Should the cost for any rewiring and new conduit be included in this item?
9. Most details and items for the various areas on the plan specifically designates both "Temporary" and "Final" Restoration. Sheet 5 and 6 of 14 does not have these items. Only Item #44 mentions "Restoration" and the detail on sheet 6 shows only temporary restoration.
10. Does Item 44 include both temporary and permanent restoration?

## RESPONSES

1. *No – This detail has been used successfully on many projects. Contractor has to use care in performing his operations.*
2. *No – This detail has been used successfully on many projects. Contractor has to use care in performing his operations.*
3. *Yes, Landis Avenue and 63<sup>rd</sup> Street can be closed and traffic detoured on a daily basis.*
4. *Contractor may use millings to fill trenches on a daily basis. The trenches shall be maintained on a daily basis until temporary paving is performed. The Contractor shall respond immediately if there are issues with the trench and their restoration. However the trenches shall be paved by Friday of each week – no exceptions.*
5. *The existing concrete junction boxes are to be removed and the new polymer concrete boxes placed at the location of the existing boxes. Some of the junction boxes are within the area of the handicapped ramps and therefore shall be set to the proper grade. The conduits at existing junction boxes are stubbed in without sweeps. The Contractor shall remove the existing electrical wires; install new conduit sweeps into the new junction boxes and reinstall/reconnect the wires. The costs of the disconnecting/reconnecting wires and install new sweeps shall be include in the cost of the junction boxes.*
- 6-8. *See Response No. 5.*

9. *Pay Item No. 44 is for the Restoration of the Landis Avenue and 63<sup>rd</sup> Street worksite. With the exception of Landis Avenue and Central Avenue right-of-ways, the pavement restoration is as shown in the PIPE DETAIL on Sheet 6. The pavement within the Central Avenue right-of-way is to receive a final restoration a minimum of 90 days after the temporary restoration has been made. Final restoration of Central Avenue shall be included in the pay item for Restoration. Landis Avenue has separate pay items for permanent pavement restoration. Be advised that the Contractor shall be responsible to repair the asphalt pavement if it settles or deteriorates within the warranty period.*
10. See Response No. 9.

Sea Isle City 66th Street & CR 619 – Sheet 8 of 14

1. Does Item 55 include both temporary and permanent restoration?

RESPONSES

1. *The pavement restoration is as shown in the PIPE DETAIL on Sheet 8 and includes both temporary and permanent restoration. Permanent restoration is to be accomplished a minimum of 90 days after temporary restoration has been made. Be advised that the Contractor shall be responsible to repair the asphalt pavement if it settles or deteriorates within the warranty period.*

Wildwood – Sheets 9 and 10 of 14

1. How will curb and gutter repairs be paid for where inlets are being installed at Andrews Ave., Burk Ave., Davis Ave., and Montgomery Ave.?
2. Can the streets be closed to traffic or must one lane remain flaggers?
3. Do trenches need temporary paving installed daily? Would the need for temporary paving be affected if the roadway were allowed to be closed rather than one lane?
4. Sheet 10 shows an Item 39 – Hardwood Mulch?
5. Does Item 65 include both temporary and permanent restoration?

RESPONSES

1. *Curbs and gutters damaged during construction shall be temporarily repaired using hot mix repairs at this worksite. The repairs shall be performed to the satisfaction of the Engineer. This section of New Jersey Avenue is to be subject of a roadway improvement project in the near future.*
2. *New Jersey Avenue is currently striped as a four lane roadway and therefore the Contractor may close one lane in each direction to perform his construction operations.*
3. *Contractor may use millings to fill trenches on a daily basis. The trenches shall be maintained on a daily basis until temporary paving is performed. The Contractor shall respond immediately if there are issues with the trench and their restoration. However the trenches shall be paved by Friday of each week – no exceptions.*
4. *On Sheet 10, disregarding references to Item 39 – Hardwood Mulch. Hardwood Mulch is not required at this worksite.*
5. *The pavement restoration is as shown in the PIPE DETAIL on Sheet 6 (6" thickness of bituminous stabilized base course (Mix I-2)) and shall apply to this worksite. Be advised that the Contractor shall be responsible to repair the asphalt pavement if it settles or deteriorates within the warranty period.*

Hope Corson Road – Sheet 12 of 14

1. Can the streets be closed to traffic or must one lane remain open with flaggers?
2. Do trenches need temporary paving installed daily? Would the need for temporary paving be affected if the roadway were allowed to be closed rather than one lane?

## RESPONSES

- 1. The Contractor shall maintain traffic on Hope Corson Road by closing one lane and alternating the directional traffic by the use of flaggers in the remaining open lane.*
- 2. Contractor may use millings to fill trenches on a daily basis. The trenches shall be maintained on a daily basis until temporary paving is performed. The Contractor shall respond immediately if there are issues with the trench and their restoration. However the trenches shall be paved by Friday of each week – no exceptions.*

### Dennis Township – Sheet 11 of 14

1. Is the diameter of the 220 LF of asbestos pipe available?

## RESPONSE

- 1. The pipe diameters vary between 6” and 12”. The Contractor is responsible to perform a site inspection prior to submitting a bid to ascertain the conditions and work required of each work site.*

STEPHEN O'CONNOR,  
CLERK/ADMINISTRATOR

DANIEL BEYEL,  
FREEHOLDER DIRECTOR

**PROPOSAL**

**2009 Miscellaneous Drainage Improvements II**

---

To the Board of Chosen Freeholders of the County of Cape May, New Jersey:

The undersigned hereby declares that he have carefully examined the Advertisement, Specifications, Plans and site of the Project and form of Contract and Bond for the projects as specified and delineated at the price per unit of measure for each scheduled item of work stated in the Schedule of Prices following.

It is understood that the TOTAL PRICE stated by the undersigned in the Schedule of Prices is based on the estimated quantities and will control in the awarding of the Contract. It is further understood that the quantities stated in the Schedule of Prices for various items are estimates only and may be increased or decreased as provided in the Specifications.

**SCHEDULE OF PRICES**  
**BASE BID**

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
1	CLEARING SITE – CR 640, CITY OF CAPE MAY	LS	1		
2	18” REINFORCED CONCRETE CULVERT PIPE	LF	100		
3	30” REINFORCED CONCRETE CULVERT PIPE	LF	60		
4	NO ITEM	–	–		
5	RECONSTRUCTED INLETS, TYPE B USING EXISTING CASTING	UNIT	4		
6	RECONSTRUCTED STORM MANHOLES USING EXISTING CASTING	UNIT	2		
7	NO ITEM	–	–		
8	TEMPORARY PAVEMENT RESTORATION – CR 640, CITY OF CAPE MAY	LS	1		
9	FINAL PAVEMENT RESTORATION – CR 640, CITY OF CAPE MAY	LS	1		
10	CLEARING SITE, CR 619 AT 91 <sup>ST</sup> STREET, STONE HARBOR	LS	1		
11	INLETS, TYPE A	UNIT	3		
12	RECONSTRUCT INLETS, TYPE A, USING EXISTING CASTING	UNIT	1		

Date \_\_\_\_\_

Firm Name of Bidder \_\_\_\_\_

**PROPOSAL** (Continued)

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
13	RECONSTRUCT INLETS, TYPE B, USING EXISTING CASTING	UNIT	1		
14	EARTH EXCAVATION FOR TEST PITS	UNIT	8		
15	16" DUCTILE IRON CULVERT PIPE	LF	80		
16	20" DUCTILE IRON CULVERT PIPE	LF	45		
17	NO ITEM	-	-		
18	6" X 18" CONCRETE VERTICAL CURB	LF	80		
19	8" X 18" CONCRETE GUTTER	LF	80		
20	NO ITEM	-	-		
21	NO ITEM	-	-		
22	TEMPORARY RESTORATION, CR 619 AT 91 <sup>ST</sup> STREET, STONE HARBOR	LS	1		
23	FINAL RESTORATION, CR 619 AT 91 <sup>ST</sup> STREET, STONE HARBOR	LS	1		
24	CLEARING SITE, CR 619 AT 63 <sup>RD</sup> STREET, SEA ISLE CITY	LS	1		
25	INLETS, TYPE A	UNIT	3		
26	INLETS, TYPE B	UNIT	9		
27	INLETS, TYPE E	UNIT	5		
28	STORM MANHOLES, 4' DIAMETER	UNIT	2		
29	RECONSTRUCTED MANHOLES USING EXISTING CASTING	UNIT	1		
30	16" DUCTILE IRON CULVERT PIPE	LF	10		
31	18" DUCTILE IRON CULVERT PIPE	LF	100		
32	24" DUCTILE IRON CULVERT PIPE	LF	60		
33	15" REINFORCED CONCRETE CULVERT PIPE	LF	370		
34	30" REINFORCED CONCRETE CULVERT PIPE	LF	800		
35	PRECAST CONCRETE VALVE CHAMBER – 9.33' X 6.33'	UNIT	1		
36	TIDEFLEX VALVE MATING ONTO 30" RCCP	UNIT	1		

Date \_\_\_\_\_

\_\_\_\_\_  
Firm Name of Bidder

**PROPOSAL** (Continued)

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
37	RIP-RAP SLOPE PROTECTION	SY	16		
38	6" X 18" CONCRETE VERTICAL CURB	LF	700		
39	CONCRETE SIDEWALK, 4" THICK	SY	100		
40	8" X 18" CONCRETE GUTTER	LF	700		
41	JUNCTION BOXES 17" X 30"	UNIT	3		
42	MILLING, 2" VARIABLE DEPTH	SY	1500		
43	HMA SURFACE COURSE, MIX I-4	TON	230		
44	RESTORATION, LANDIS AVE AT 63 <sup>RD</sup> STREET	LS	1		
45	EARTH EXCAVATION FOR TEST PITS	UNIT	8		
46	DETECTABLE WARNING SURFACE	SY	3.6		
47	PIPE GROUTING FOR 18" PIPE	LF	600		
48	CLEARING SITE, CR 619 AT 66 <sup>TH</sup> STREET, SEA ISLE CITY	LS	1		
49	INLETS, TYPE B	UNIT	1		
50	RECONSTRUCTED INLETS, TYPE B, USING NEW CASTING	UNIT	1		
51	RETROFIT EXISTING INLETS, TYPE B, CASTING	UNIT	2		
52	12" DUCTILE IRON CULVERT PIPE	LF	30		
53	6" X 18" CONCRETE VERTICAL CURB	LF	20		
54	8" X 24" CONCRETE GUTTER	LF	20		
55	RESTORATION, CR 619 AT 66 <sup>TH</sup> STREET, SEA ISLE CITY	LS	1		
56	NO ITEM	-	-		
57	NO ITEM	-	-		
58	CLEARING SITE, CR 621, WILDWOOD	LS	1		
59	EARTH EXCAVATION FOR TEST PITS	UNIT	8		
60	12" DUCTILE IRON CULVERT PIPE	LF	260		

Date \_\_\_\_\_

\_\_\_\_\_  
Firm Name of Bidder

**PROPOSAL** (Continued)

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
61	16" DUCTILE IRON CULVERT PIPE	LF	260		
62	INLETS, TYPE A	UNIT	9		
63	MANHOLE, 4' DIAMETER	UNIT	1		
64	RECONSTRUCTED STORM MANHOLES USING EXISTING CASTING	UNIT	6		
65	RESTORATION, CR 621, WILDWOOD	LS	1		
66	NO ITEM	-	-		
67	NO ITEM	-	-		
68	NO ITEM	-	-		
69	CLEARING SITE – OCEAN VIEW MAINTENANCE YARD	LS	1		
70	SEPARATION OF ASBESTOS PIPE FROM RUBBLE PILE	CY	1500		
71	DISPOSAL OF ASBESTOS PIPE	LS	1		
72	NO ITEM	-	-		
73	NO ITEM	-	-		
74	NO ITEM	-	-		
75	NO ITEM	-	-		
76	CLEARING SITE – CR 671, UPPER TOWNSHIP	LS	1		
77	INLETS, TYPE A	UNIT	3		
78	INLETS, TYPE E	UNIT	1		
79	RECONSTRUCTED INLETS, TYPE A, USING EXISTING CASTING	UNIT	2		
80	15" REINFORCED CONCRETE CULVERT PIPE	LF	90		
81	18" REINFORCED CONCRETE CULVERT PIPE IN STONE TRENCH	LF	550		
82	TREE REMOVAL, OVER 30" DIAMETER	UNIT	1		
83	RESTORATION – CR 671, UPPER TOWNSHIP	LS	1		
84	NO ITEM	-	-		
85	NO ITEM	-	-		

Date \_\_\_\_\_

Firm Name of Bidder \_\_\_\_\_

**PROPOSAL** (Continued)

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
86	NO ITEM	-	-		
87	CLEARING SITE, (35 <sup>TH</sup> STREET), OCEAN CITY	LS	1		
88	INLETS, TYPE A	UNIT	1		
89	RESTORATION, (35 <sup>TH</sup> STREET), OCEAN CITY	LS	1		
90	NO ITEM	-	-		
91	CLEARING SITE – CR 619 (WEST AVE), OCEAN CITY	LS	1		
92	CONCRETE DRIVEWAY, 6” THICK	SY	40		
93	MODIFY STAIRS	LS	1		
94	RESTORATION – CR 619 (WEST AVE), OCEAN CITY	LS	1		
95	NO ITEM	-	-		
96	NO ITEM	-	-		
97	NO ITEM	-	-		

TOTAL PRICE BASE BID \_\_\_\_\_ \$ \_\_\_\_\_

**OPTION 1**

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
1.1	3’ ADDITIONAL DEPTH INLET TYPE A CONSTRUCTION	UNIT	2		
1.2	INLETS, TYPE B	UNIT	1		
1.3	3’ ADDITIONAL DEPTH FOR 20” PIPE INSTALLATION	LF	40		
1.4	INLETS, TYPE A	UNIT	1		
1.5	3’ ADDITIONAL DEPTH FOR 16” PIPE INSTALLATION	LF	70		

TOTAL PRICE OPTION 1 \_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_ Date \_\_\_\_\_  
 Firm Name of Bidder

**PROPOSAL** (Continued)

**OPTION 2**

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
2.1	3' ADDITIONAL DEPTH INLET TYPE B CONSTRUCTION	UNIT	2		
2.2	3' ADDITIONAL DEPTH STORM MANHOLE CONSTRUCTION	UNIT	2		
2.3	3' ADDITIONAL DEPTH FOR 18" PIPE INSTALLATION	LF	100		

TOTAL PRICE OPTION 2 \_\_\_\_\_ \$ \_\_\_\_\_

**OPTION 3**

<b>Item No.</b>	<b>DESCRIPTION</b>	<b>Unit Measure</b>	<b>Quantity</b>	<b>Unit Price \$</b>	<b>Amount \$</b>
3.1	3' ADDITIONAL DEPTH FOR 12" PIPE INSTALLATION	LF	140		
3.2	3' ADDITIONAL DEPTH INLET TYPE A CONSTRUCTION	UNIT	5		

TOTAL PRICE OPTION 3 \_\_\_\_\_ \$ \_\_\_\_\_

TOTAL PRICE BASE BID + OPTION 1, 2 & 3 \_\_\_\_\_ \$ \_\_\_\_\_

\_\_\_\_\_  
Firm Name of Bidder

\_\_\_\_\_  
Date

**PROPOSAL** (Continued)

Accompanying this proposal is a certified or cashier's check or bid bond made payable to Cape May County Board of Chosen Freeholders for not less than ten (10) percent of the amount bid, but not more than \$20,000, which the undersigned agree is to be forfeited as liquidated damages and not as a penalty if the Contract is awarded to the undersigned and the undersigned shall fail to execute the Contract for the Project and furnish the bond required within the stipulated time.

(an Individual )

The undersigned is (a Corporation) under the laws of the State of \_\_\_\_\_,  
(a Partnership)

having principal offices at \_\_\_\_\_

Signed by \_\_\_\_\_ Date \_\_\_\_\_

Name \_\_\_\_\_

Firm \_\_\_\_\_

Address \_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

Telephone No. \_\_\_\_\_

Fax No. \_\_\_\_\_

\_\_\_\_\_  
Firm Name of Bidder Date \_\_\_\_\_

ADDENDUM NO. 2 ACKNOWLEDGEMENT

Acknowledgement is hereby made of Addendum No. 2, issued on January 22, 2010, received since the issuance of the Contract Documents for **2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II, VARIOUS COUNTY ROAD, CAPE MAY COUNTY, NJ**. The Contractor shall include this signed sheet with his bid package.

Signature of Bidder: \_\_\_\_\_

Title: \_\_\_\_\_

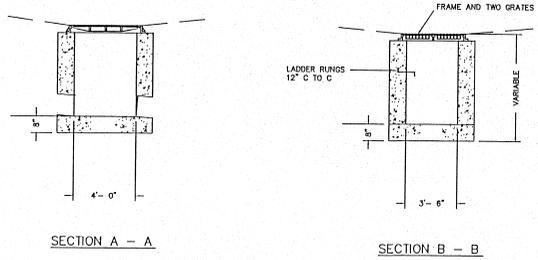
Name of Firm: \_\_\_\_\_

Address: \_\_\_\_\_

\_\_\_\_\_

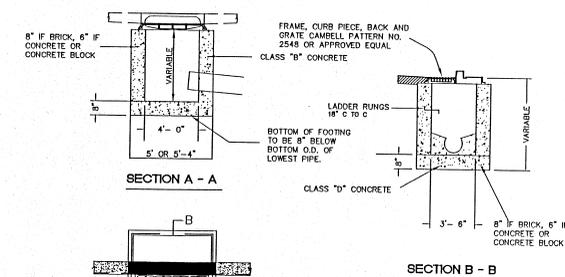
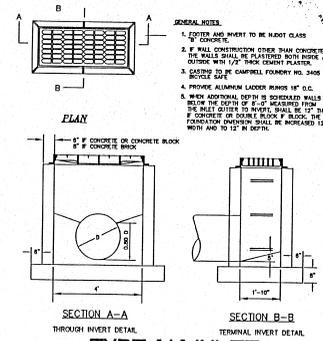
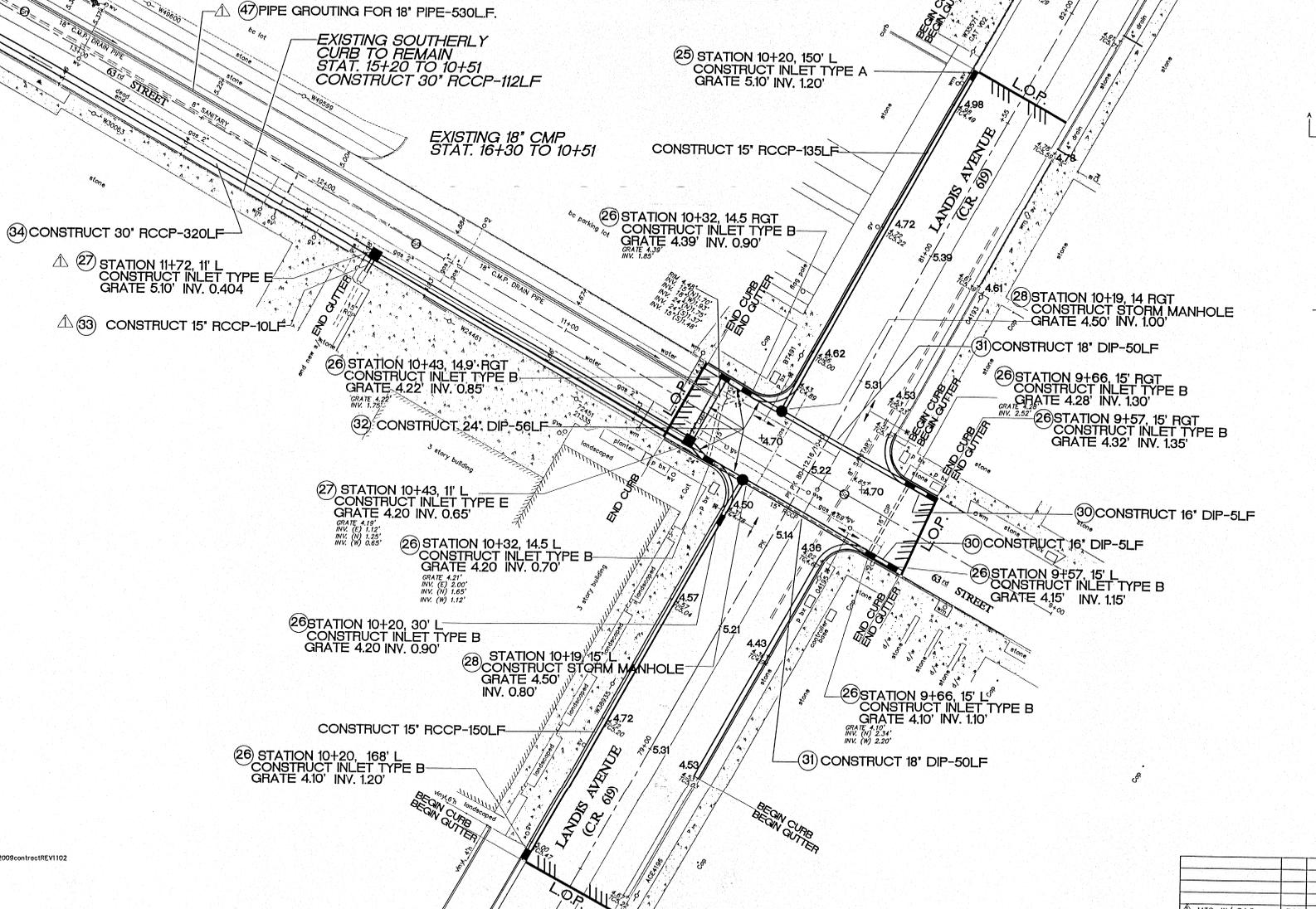
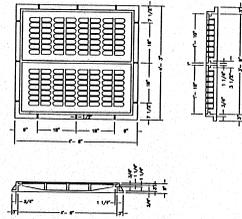
\_\_\_\_\_

Date: \_\_\_\_\_



- INLETS MAY BE CONSTRUCTED OF BRICK, CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE. WALLS SHALL BE 2" THICK IF BRICK AND 2" THICK IF CONCRETE, CONCRETE BLOCK OR PRECAST CONCRETE. INLET FOUNDATION SHALL BE CLASS 'C' CONCRETE.
- A LEACHING BASIN 18" X 18" 2'-0" DEEP OF 3/4" WASHED STONE OR APPROVED FIELD STONE SHALL BE CONSTRUCTED IN EACH INLET.
- ALL CONSTRUCTION SHALL BE IN ACCORDANCE WITH THE REQUIREMENTS OF THE STANDARD SPECIFICATIONS.

**DETAIL FOR "E" INLET WITH FRAME AND TWO GRATES**



**COUNTY OF CAPE MAY**

JOB: 2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II VARIOUS LOCATIONS IN CAPE MAY COUNTY

DETAILS: DRAINAGE IMPROVEMENTS C.R. 619 AT 63rd STREET SEA ISLE CITY CAPE MAY COUNTY, NEW JERSEY

DRAWN: RGC DATE: 12/09 SCALE: 1"=20' SHEET 5R OF 14

OFFICE OF THE COUNTY ENGINEER

APPROVED: DALE M. FOSTER COUNTY ENGINEER

DATE: 1/21/10



37 CONSTRUCT 12'X12' RIP RAP APRON  
(6" RIP RAP PLACED 12" THICK  
ON FILTER FABRIC)  
16 S.Y.

4" DIP VENT PIPE  
EXTEND BEYOND E.O.P.  
TERMINATE 6" ABV. GRADE  
WITH GOOSENECK

SEE DETAIL ON  
SHEET 3 OF 3

34 CONSTRUCT 30" RCCP-30LF

STATION 18+11, 12'L  
35 CONSTRUCT VALVE CHAMBER-1 UNIT  
36 CONSTRUCT 30" TIDFLEX VALVE- 1 UNIT  
GRATE 6.10' INV. -0.84

34 CONSTRUCT 30" RCCP-105LF

29 RECONSTRUCT MANHOLE  
USING EXISTING CASTING  
INV. -0.60

TEMPORARY PAVING  
I-2 BASE COURSE- 6" THICK

34 CONSTRUCT 30" RCCP-65LF

27 STATION 16+37, 14' L  
CONSTRUCT INLET TYPE E  
GRATE 6.02' INV. -0.48

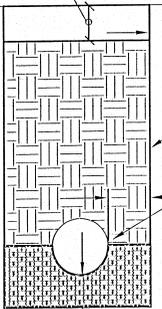
25 STATION 15+12, 16' RGT  
CONSTRUCT INLET TYPE A  
GRATE 5.85' INV. 1.00  
CONNECT 8" DIP INTO NEW INLET

33 CONSTRUCT 15" RCCP-30LF

25 STATION 13+64, 15.8' RGT  
CONSTRUCT INLET TYPE A  
GRATE 5.53' INV. 1.00  
CONNECT 4" CIP INTO NEW INLET

33 CONSTRUCT 15" RCCP-28LF

NOTE: PIPE BEDDING AND PIPE  
BACKFILL TO BE INCLUDED IN  
THE COST OF THE PIPE



DENSE GRADED AGGREGATE  
BACKFILL

40 CONSTRUCT 8'X18" CONCRETE GUTTER-18LF

INSTALL BUTYL SEAL AND WRAP  
JOINTS WITH FILTER FABRIC  
(RCCP ONLY)

PIPE BEDDING  
3/4" BROKEN STONE PLACED  
TO CENTER OF PIPE

PIPE DETAIL  
N.T.S.

FINAL PAVING  
I-4 SURFACE COURSE- 2" THICK

34 CONSTRUCT 30" RCCP-112LF

27 STATION 15+22, 11' L  
CONSTRUCT INLET TYPE E  
GRATE 6.02' INV. -0.27

40 CONSTRUCT 8'X18" CONCRETE GUTTER-10LF

38 CONSTRUCT 6'X18" CONCRETE  
VERTICAL CURB-135LF

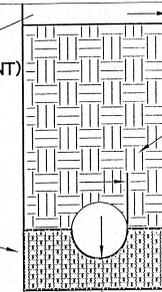
34 CONSTRUCT 30" RCCP-155LF

27 STATION 13+64, 11' L  
CONSTRUCT INLET TYPE E  
GRATE 5.62' INV. 0.024

40 CONSTRUCT 8'X18" CONCRETE GUTTER-10LF

REMOVE 8" STORM PIPE  
REMOVE MANHOLE RIM, LID AND 18" OF WALL/ FILL WITH SAND  
PLUG ENDS OF EXISTING PIPES

TEMPORARY PAVING  
I-2 BASE COURSE- 6" THICK  
(MILL OUT THE TOP 2" OF BASE AFTER SETTLEMENT)

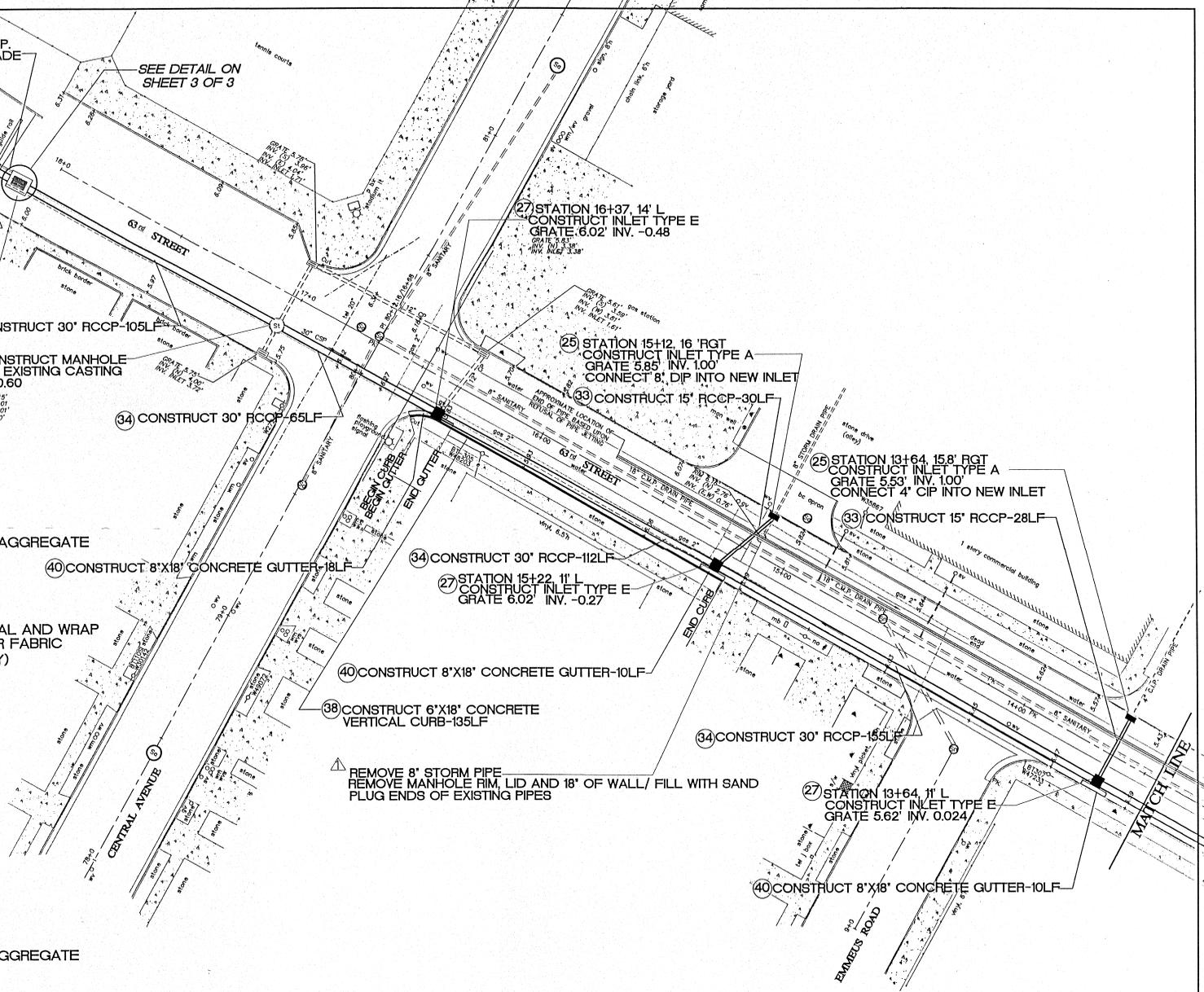


DENSE GRADED AGGREGATE  
BACKFILL

PIPE BEDDING  
3/4" BROKEN STONE PLACED  
TO CENTER OF PIPE

NOTE: RESTORATION PAY ITEM SHALL  
INCLUDE BOTH TEMPORARY PAVING AT PIPE  
TRENCHES AND FINAL PAVING AT CENTRAL AVE.  
PIPE TRENCH

RESTORATION AT CENTRAL AVE. CROSSING  
N.T.S.



**COUNTY OF  
CAPE MAY**

JOB:  
2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II  
VARIOUS LOCATIONS IN CAPE MAY COUNTY

DETAILS:  
DRAINAGE IMPROVEMENTS C.R. 619 AT 63rd STREET  
SEA ISLE CITY CAPE MAY COUNTY, NEW JERSEY

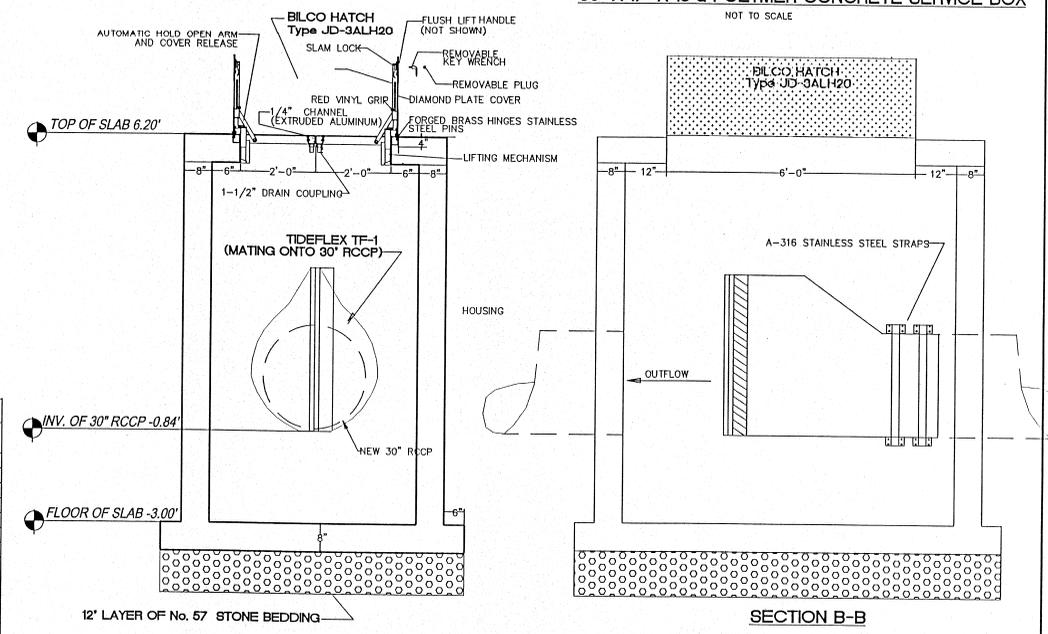
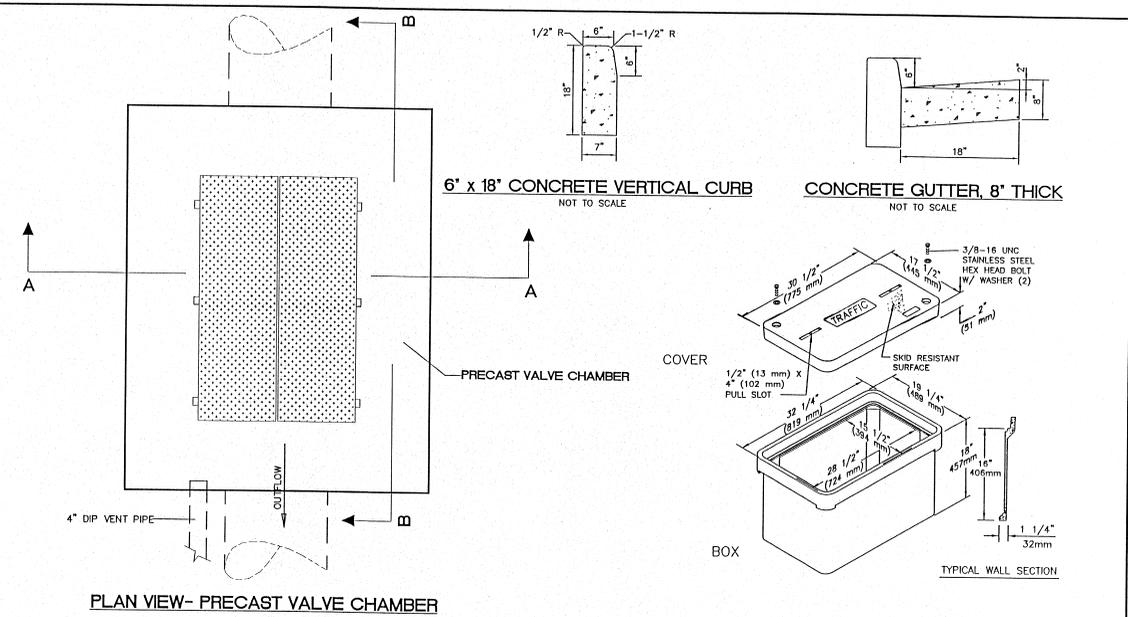
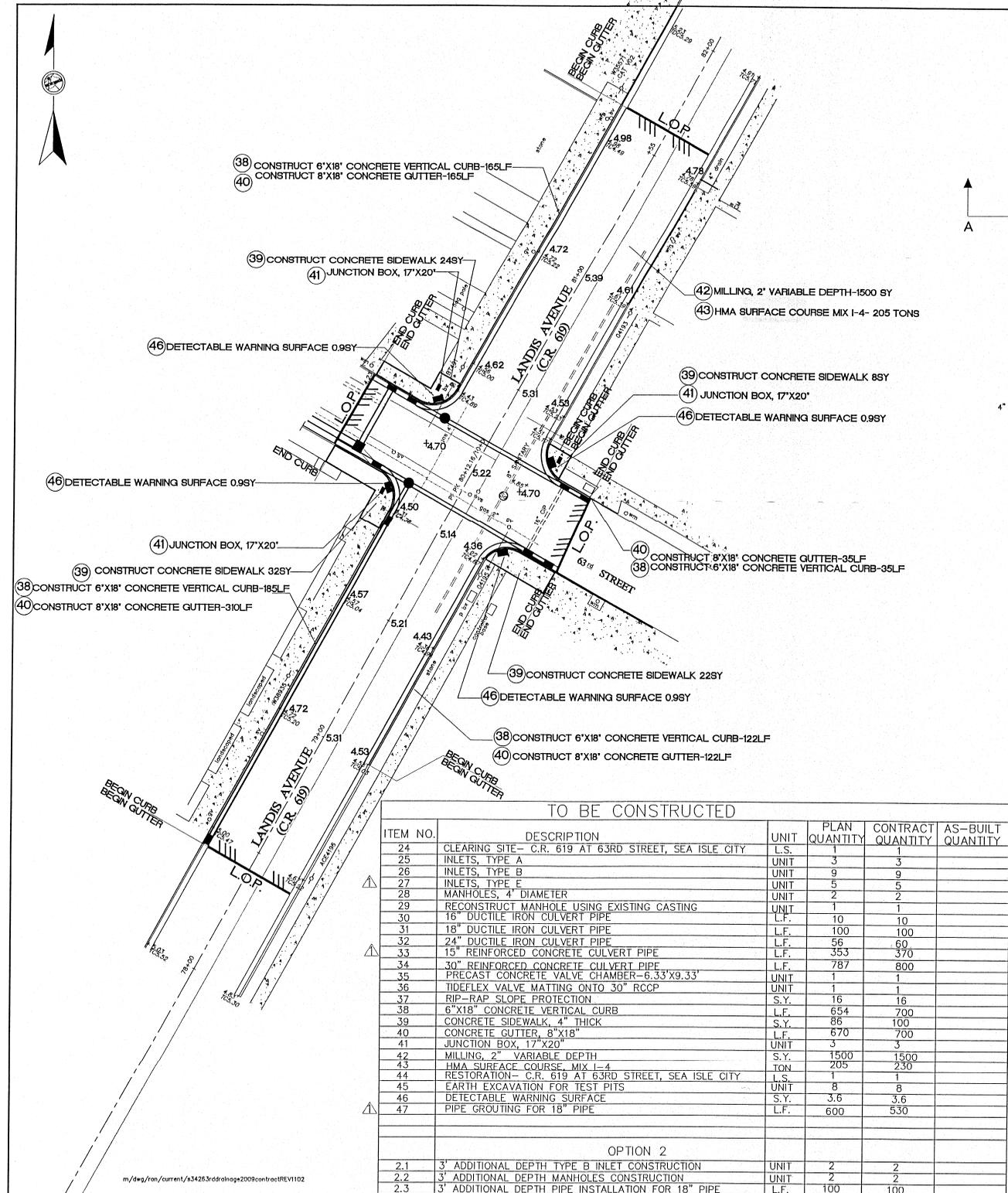
DRAWN: RGC	DATE: 12/09	SCALE: 1"=20'	SHEET 6R OF 14
------------	-------------	---------------	----------------

**OFFICE OF THE COUNTY ENGINEER**

APPROVED: *DALE M. FOSTER*  
DATE: 12/22/2009  
N.J. PROFESSIONAL ENGINEER No. 28877

DALE M. FOSTER	COUNTY ENGINEER
----------------	-----------------

NO.	DATE	BY	DESCRIPTION
1	1/21/10	RGC	MTG. W/ S.I.C.



TO BE CONSTRUCTED					
ITEM NO.	DESCRIPTION	UNIT	PLAN QUANTITY	CONTRACT QUANTITY	AS-BUILT QUANTITY
24	CLEARING SITE - C.R. 619 AT 63RD STREET, SEA ISLE CITY	L.S.	1	1	
25	INLETS, TYPE A	UNIT	3	3	
26	INLETS, TYPE B	UNIT	9	9	
27	INLETS, TYPE E	UNIT	5	5	
28	MANHOLES, 4\"/>				

- NOTES:
1. THE PRECAST CHAMBER SHALL BE DESIGNED BY THE PRECAST SUPPLIER IN ACCORDANCE WITH ASTM C-490 SPECIFICATIONS.
  2. THE CHAMBER SHALL BE DESIGNED FOR AN H-20 WHEEL LOADING.
  3. THE EXCAVATION SHALL BE SHETED, BRACED OR BENCHED IN ACCORDANCE WITH OSHA STANDARDS. THE CONTRACTOR SHALL MONITOR THE EXCAVATION FOR EXPLOSIVE GASES.
  4. VENT PIPING SHALL BE INCLUDED IN THE COST OF THE CHAMBER.

**COUNTY OF  
CAPE MAY**

JOB#:  
**2009 MISCELLANEOUS DRAINAGE IMPROVEMENTS II  
VARIOUS LOCATIONS IN CAPE MAY COUNTY**

DETAILS:  
**DRAINAGE IMPROVEMENTS C.R. 619 AT 63RD STREET**  
SEA ISLE CITY CAPE MAY COUNTY, NEW JERSEY  
DRAWN: RGC DATE: 12/09 SCALE: 1"=20' SHEET 7R OF 14  
**OFFICE OF THE COUNTY ENGINEER**  
APPROVED: *[Signature]* N.J. PROFESSIONAL ENGINEER No. 38877 DATE: 1/21/10  
**DALE M. FOSTER** COUNTY ENGINEER