

PARSONS

Route 35 Emergency Restoration

MP 9-12.5

c o r e v a l u e s

Sustainability

innovation

integrity

Safety

diversity

responsibility



Superstorm Sandy

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- On the evening of October 29 through the morning of October 30 2012 Superstorm Sandy made landfall in the Project Area leaving devastation in its wake.

Superstorm Sandy – Breach # 3 Herbert St.

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Superstorm Sandy – Breach # 3 Herbert St.

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Superstorm Sandy – Breach # 3 Herbert St.

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Superstorm Sandy – # 2 North of Herbert St.

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Superstorm Sandy – #3 Lyman Street

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Superstorm Sandy – Sinkholes

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Superstorm Sandy – Sinkholes

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Superstorm Sandy – Outfalls

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Superstorm Sandy – Outfalls

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Superstorm Sandy – Outfalls

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Superstorm Sandy – Debris

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- Since the storm NJDOT has:
 - Closed the breaches and rebuilt Rt.. 35 and Herbert Street
 - Made numerous repairs to the roadway and drainage
 - Removed debris from Rt. 35
 - Reopened the roadway and provided a safe access to the island.

Repair work is still ongoing throughout the project corridor with utilities, private landowners and local and county workforces all looking to reestablish the community infrastructure as quickly as possible.

Contract Overview

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This Contract includes the following items:

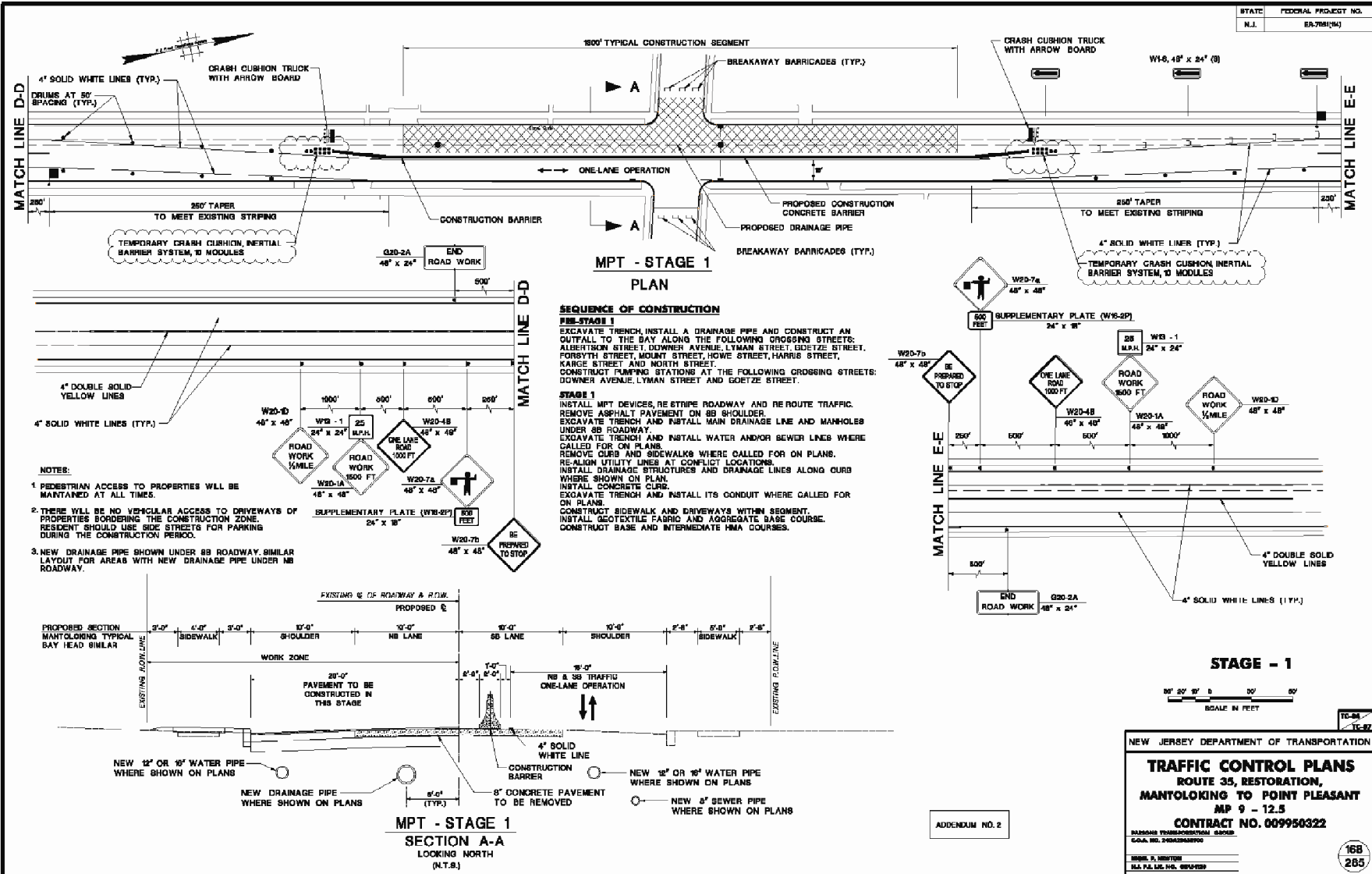
- Full depth reconstruction of 3.5 mile of roadway curb to curb with a modified profile .
- Resurfacing of four intersecting streets.
- Construction of a new drainage system and four underground pumping stations
- Construction of four above ground electrical supply and control structures.

Contract Overview

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- Reconstruction of curb and sidewalk where required.
- Sewer replacement / relocation
- Water main replacement / relocation
- Relocation/Protection of JCP&L facilities
- Construction of Replacement bulkhead

- One Lane Alternating flagging is allowed on route 35 subject to the following constraints.
 - Maximum $\frac{1}{4}$ mile segment length
 - Minimum 1 mile between segments
 - No work may begin in a segment until all utility work is completed in that section
 - All work proposed in a segment will be based on the contractors ability to complete the work excluding wearing course in a period not exceeding 18 days.
 - The contractor must complete the work (except wearing course) curb before moving to another segment location.
 - The contractor will set the length of segments and the number of segments based on the above constraints.

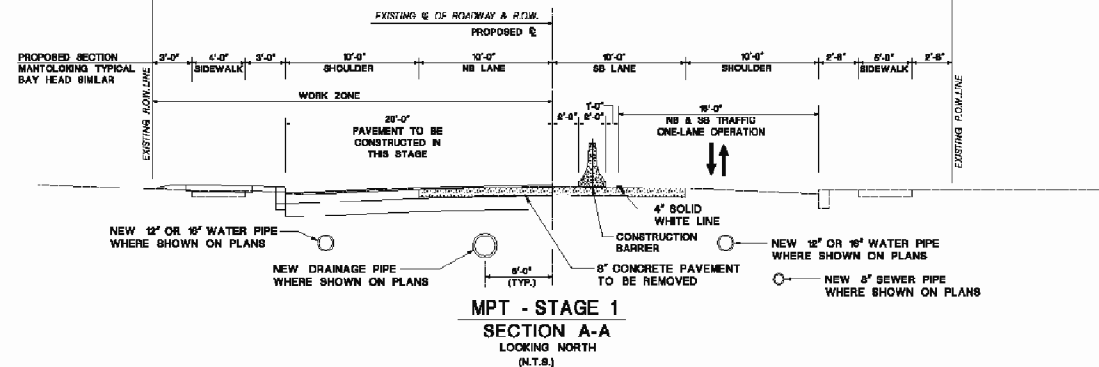


SEQUENCE OF CONSTRUCTION

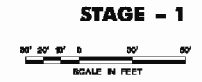
PRE-STAGE 1
EXCAVATE TRENCH, INSTALL A DRAINAGE PIPE AND CONSTRUCT AN OUTFALL TO THE BAY ALONG THE FOLLOWING CROSSING STREETS: ALBERTSON STREET, DOWNER AVENUE, LYMAN STREET, GOETZLE STREET, FORSYTH STREET, MOUNT STREET, HOWE STREET, HARRIS STREET, KARGE STREET AND NORTH STREET.
CONSTRUCT PUMPING STATIONS AT THE FOLLOWING CROSSING STREETS: DOWNER AVENUE, LYMAN STREET AND GOETZLE STREET.

STAGE 1
INSTALL MPT DEVICES, RE STRIPE ROADWAY AND RE ROUTE TRAFFIC. REMOVE ASPHALT PAVEMENT ON SB SHOULDER. EXCAVATE TRENCH AND INSTALL MAN DRAINAGE LINE AND MANHOLES UNDER SB ROADWAY. EXCAVATE TRENCH AND INSTALL WATER AND/OR SEWER LINES WHERE CALLED FOR ON PLANS. REMOVE CURB AND SIDEWALKS WHERE CALLED FOR ON PLANS. RE-ALIGN UTILITY LINES AT CONFLICT LOCATIONS. INSTALL DRAINAGE STRUCTURES AND DRAINAGE LINES ALONG CURB WHERE SHOWN ON PLAN. INSTALL CONCRETE CURB. EXCAVATE TRENCH AND INSTALL ITS CONDUIT WHERE CALLED FOR ON PLANS. CONSTRUCT SIDEWALK AND DRIVEWAYS WITHIN SEGMENT. INSTALL GEOTEXTILE FABRIC AND AGGREGATE BASE COURSE. CONSTRUCT BASE AND INTERMEDIATE HMA COURSES.

- NOTES:**
1. PEDESTRIAN ACCESS TO PROPERTIES WILL BE MAINTAINED AT ALL TIMES.
 2. THERE WILL BE NO VEHICULAR ACCESS TO DRIVEWAYS OF PROPERTIES BORDERING THE CONSTRUCTION ZONE. RESIDENT SHOULD USE SIDE STREETS FOR PARKING DURING THE CONSTRUCTION PERIOD.
 3. NEW DRAINAGE PIPE SHOWN UNDER SB ROADWAY. SIMILAR LAYOUT FOR AREAS WITH NEW DRAINAGE PIPE UNDER NB ROADWAY.



ADDENDUM NO. 2



NEW JERSEY DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS

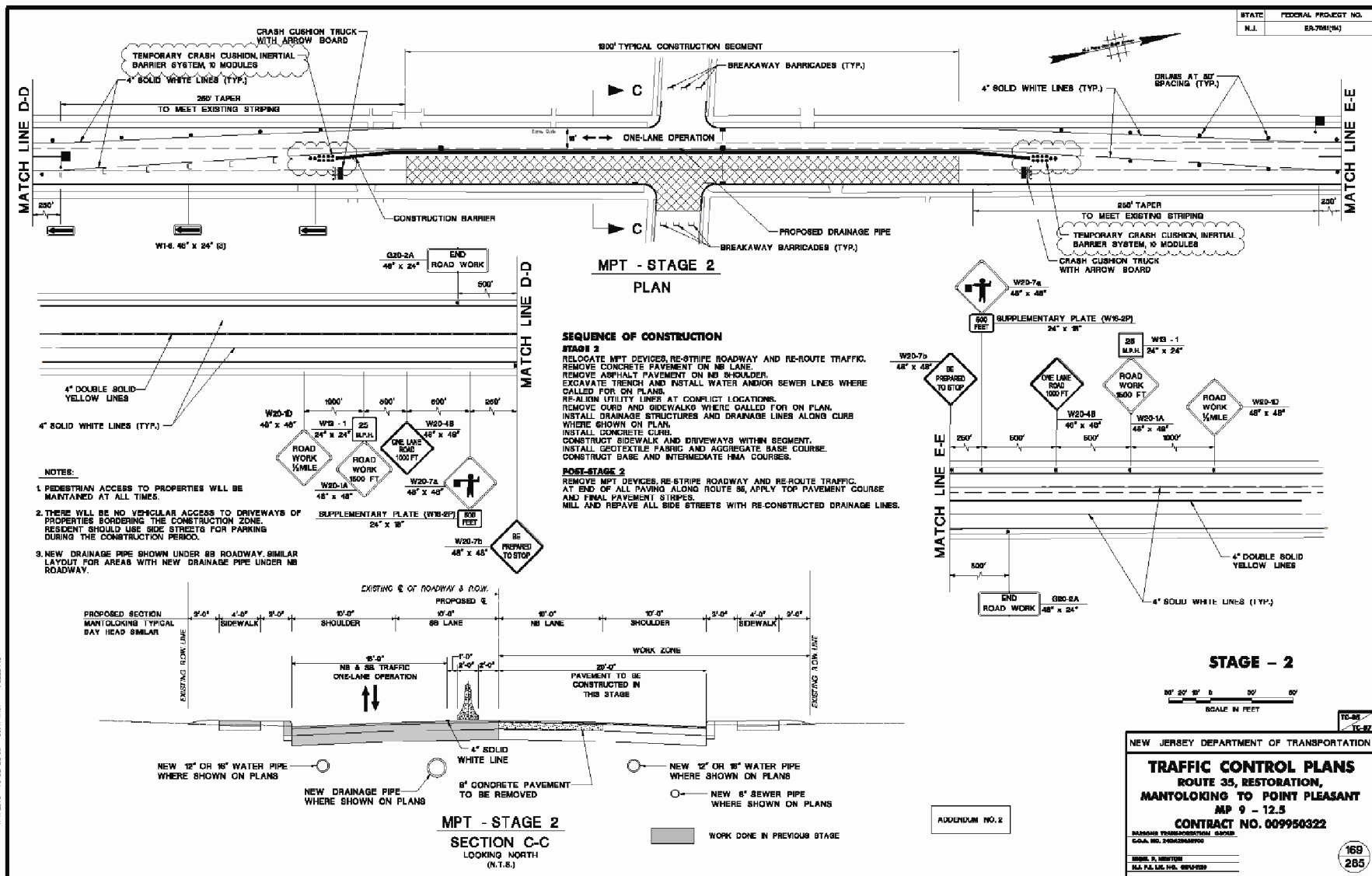
ROUTE 35, RESTORATION,
MANTOLOKING TO POINT PLEASANT
MP 9 - 12.5
CONTRACT NO. 009950322

ILLUSTRATION TRANSPORTATION ENGINEER
C.A.A. NO. 24043484700

DRINK P. MERTON
S.A. P.A. LICENSE NO. 8804089

168
285

DATE PLOTTED - 5/17/2013 10:26:02 AM USER: N145 - P00031415



SEQUENCE OF CONSTRUCTION

STAGE 1
 RELOCATE MPT DEVICES, RE-STRIPE ROADWAY AND RE-ROUTE TRAFFIC.
 REMOVE CONCRETE PAVEMENT ON NB LANE.
 REMOVE ASPHALT PAVEMENT ON NB SHOULDER.
 EXCAVATE TRENCH AND INSTALL WATER AND/OR SEWER LINES WHERE CALLED FOR ON PLAN.
 RE-ALIGN UTILITY LINES AT CONFLICT LOCATIONS.
 REMOVE CURB AND SIDEWALKS WHERE CALLED FOR ON PLAN.
 INSTALL DRAINAGE STRUCTURES AND DRAINAGE LINES ALONG CURB WHERE SHOWN ON PLAN.
 INSTALL CONCRETE CURB.
 CONSTRUCT SIDEWALK AND DRIVEWAYS WITHIN SEGMENT.
 INSTALL GEOTEXTILE FABRIC AND AGGREGATE BASE COURSE.
 CONSTRUCT BASE AND INTERMEDIATE FINA COURSES.

POST-STAGE 2
 REMOVE MPT DEVICES, RE-STRIPE ROADWAY AND RE-ROUTE TRAFFIC.
 AT END OF ALL PAVING ALONG ROUTE 96, APPLY TOP PAVEMENT COURSE AND FINAL PAVEMENT STRIPES.
 MILL AND REPAVE ALL SIDE STREETS WITH RE-CONSTRUCTED DRAINAGE LINES.

- NOTES:**
1. PEDESTRIAN ACCESS TO PROPERTIES WILL BE MAINTAINED AT ALL TIMES.
 2. THERE WILL BE NO VEHICULAR ACCESS TO DRIVEWAYS OF PROPERTIES BORDERING THE CONSTRUCTION ZONE. RESIDENT SHOULD USE SIDE STREETS FOR PARKING DURING THE CONSTRUCTION PERIOD.
 3. NEW DRAINAGE PIPE SHOWN UNDER 88 ROADWAY. SIMILAR LAYOUT FOR AREAS WITH NEW DRAINAGE PIPE UNDER NB ROADWAY.

MPT - STAGE 2
SECTION C-C
 LOOKING NORTH
 (N.T.S.)

STAGE - 2

SCALE IN FEET

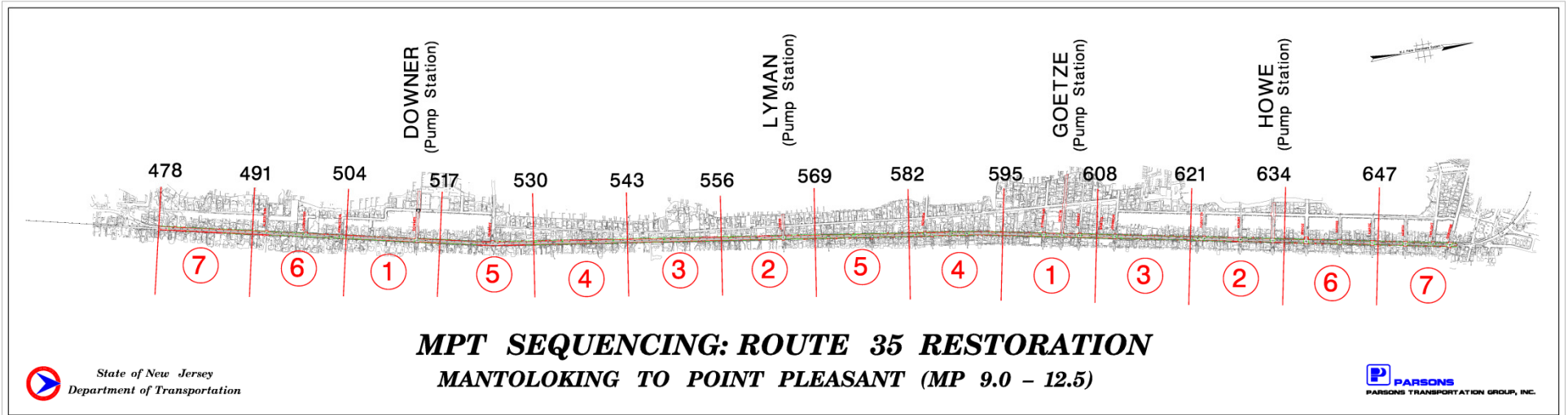
NEW JERSEY DEPARTMENT OF TRANSPORTATION

TRAFFIC CONTROL PLANS
 ROUTE 35, RESTORATION,
 MANTOLOKING TO POINT PLEASANT
 MP 9 - 12.5
 CONTRACT NO. 009950322

DESIGNED BY: [Signature]
 CHECKED BY: [Signature]
 DATE: [Date]

169
285

DATE: 10/11/2013 10:00:00 AM USER: N116 - P00011415



- One possible iteration is shown here.
- The contractor is responsible for laying out the staging to meet the requirements of the contract documents

- The schedule for construction is aggressive
- Substantial completion is MAY 15 2014
- NO WORK WILL BE ALLOWED

MAY 16 2014 – 15 SEP 2014

- In preparing the schedule the following assumptions were made.
- The contractor will start construction of the drainage from the bay towards the high point of the drainage

- The contractor will construct the bypass or construct a temporary bypass to the pump stations before finalizing the construction of the pump stations
- The contractor will work double shifts 6 days a week.
- The contractor will utilize a minimum of two crews at each location at all times
- The contractor will design the MPT/staging to minimize schedule not necessarily minimizing cost.

Other Items

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- Drainage
- Utilities

Questions?

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