



King County

Department of Natural Resources and Parks
Wastewater Treatment Division

NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

Mercer Isle Condo Board Meeting 9/24/19

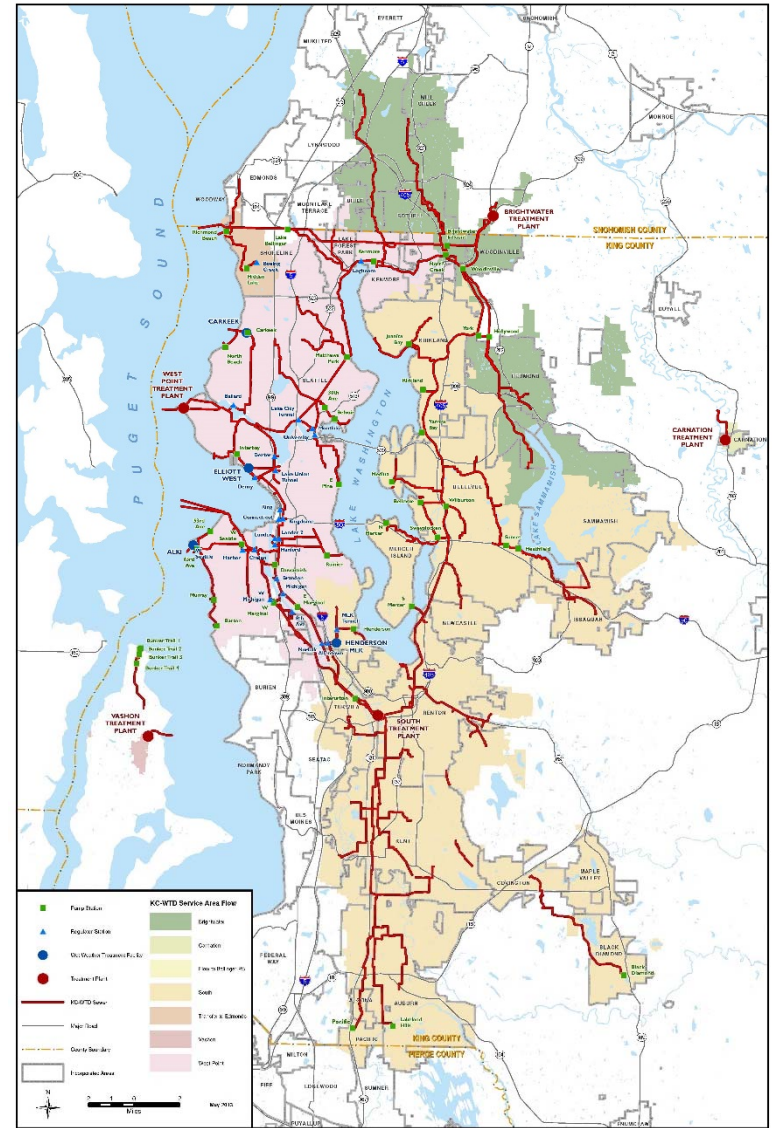




NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

What does the Wastewater Treatment Division do?

- Serves 17 cities and 17 sewer districts
- Operates 5 treatment plants and 42 pump stations
- Manages 350+ miles of pipe



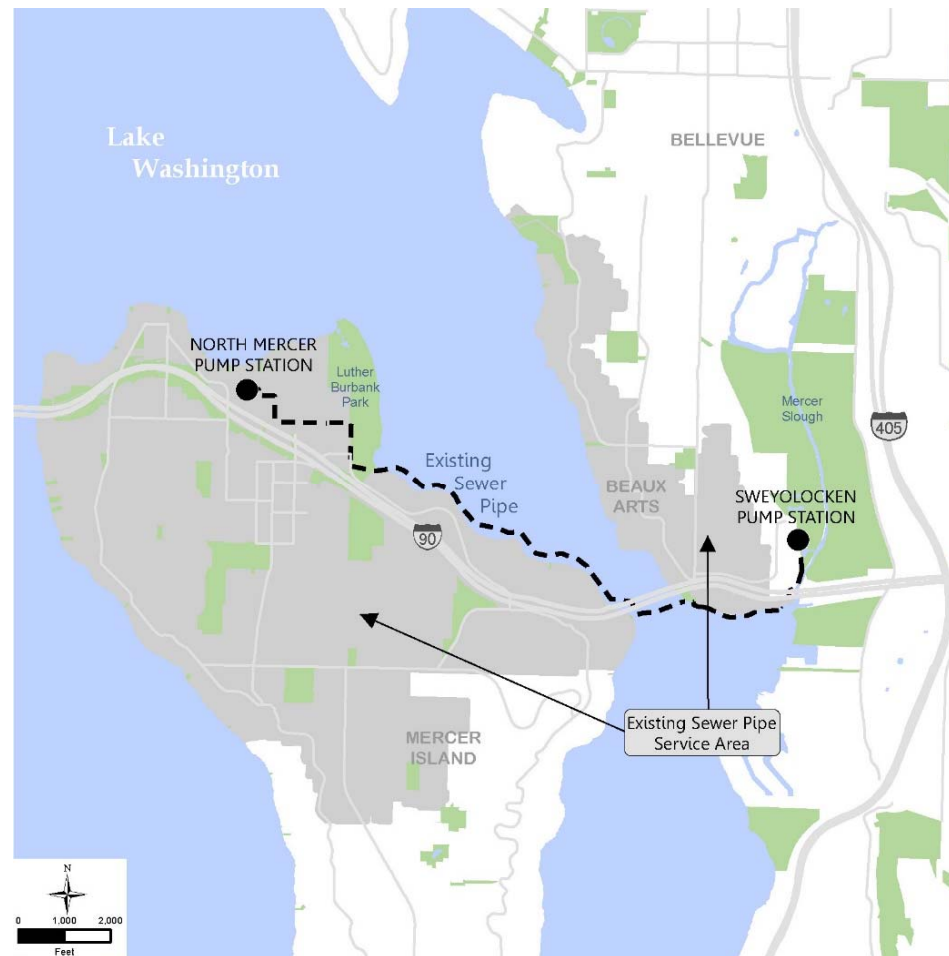


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NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

Service area and existing system





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In the last 50 years, treating the area's wastewater has transformed Lake Washington into one of the cleanest urban lakes in the world.

- The North Mercer / Enatai Interceptor was built in the 1970s.
- Pipeline upgrades will provide safe, reliable service to north Mercer Island and southwest Bellevue for the next 50+ years.



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the
next

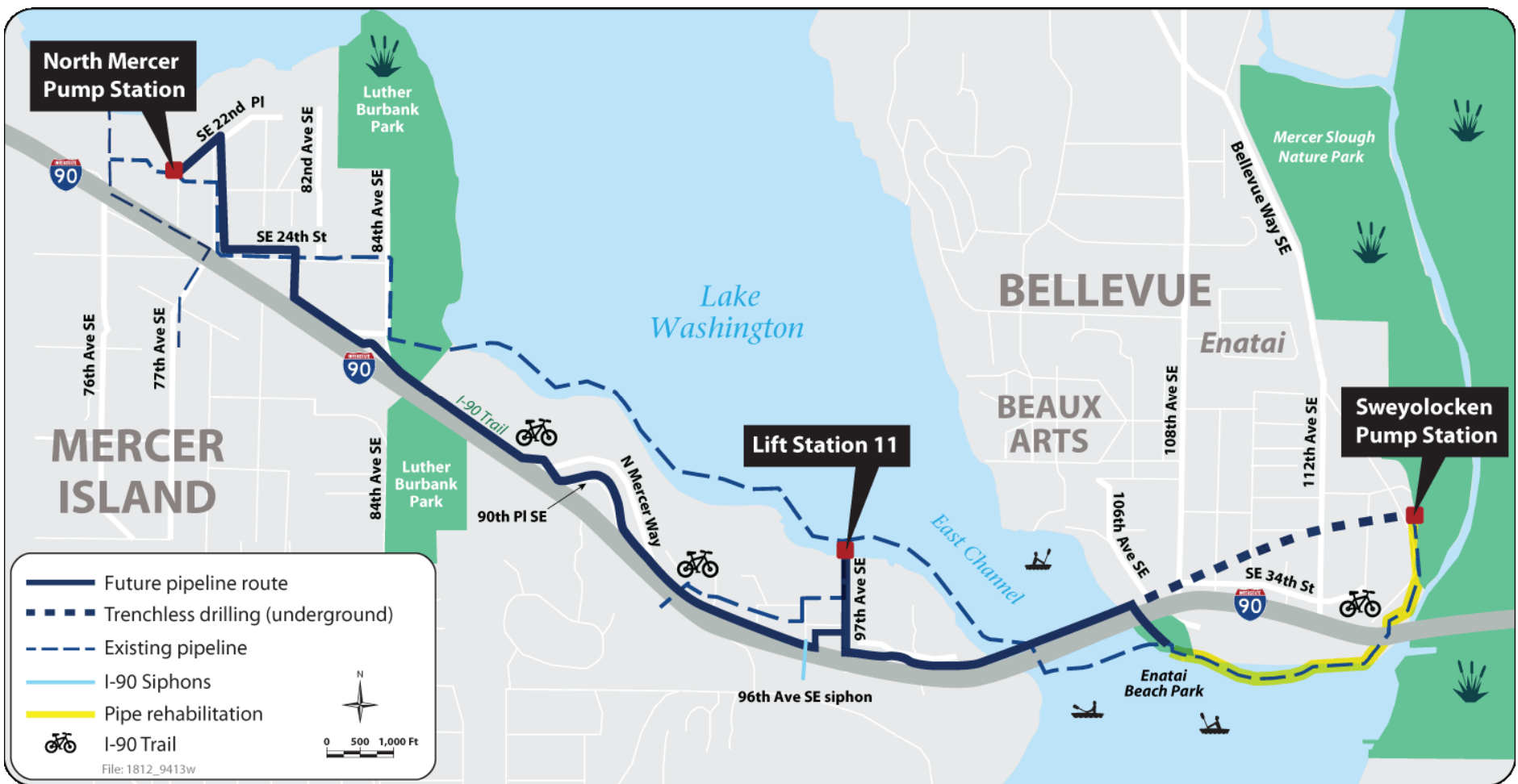
50 Clean Water & Beyond





NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

What are we building?





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Schedule





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Open cut construction





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Street Restoration



- Full width overlay on SE 24th ST thru intersection with 81st Ave SE
- Half width overlay on 81st Ave SE
- Half width overlay on N. Mercer Way, w/ full width overlay at intersection with 81st Ave and ICW



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Anticipated Schedule and duration for work around condo building

- 81st Ave: site prep 1-2 weeks, pipeline 3-4 weeks, restoration 3-4 weeks
- NMW: site prep 1-2 weeks, pipeline 7-8 weeks, restoration 4-5 weeks
- Contractor to be selected near end of 2020, Schedule to follow
- WSDOT and City of Mercer Island Permit Conditions



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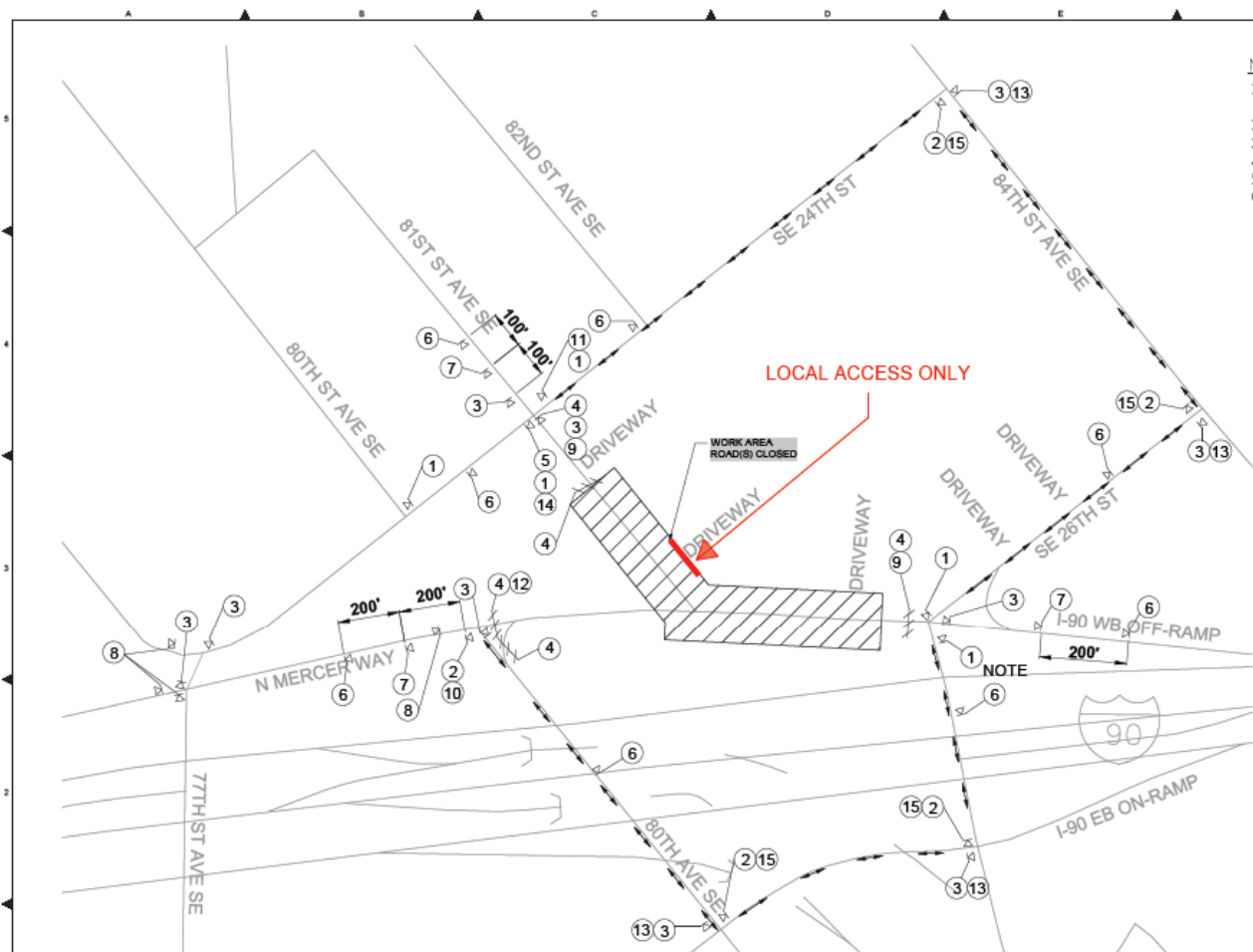
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Wastewater Treatment Division

NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

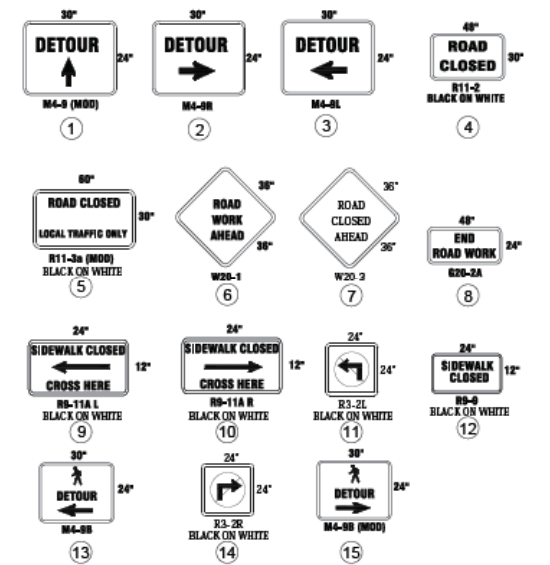
Keeping traffic moving

- Traffic flow on 81st and NMW
- Resident, delivery and service provider access





- NOTES:**
1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
 2. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
 3. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
 4. SIGN PLACEMENT SHALL NOT ENCROACH ONTO LANES OF TRAFFIC.
 5. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.
 6. PEDESTRIAN DETOUR AND TRAFFIC DETOUR SIGNS SHALL BE PLACED ON SEPARATE POSTS.



NOT TO SCALE

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TOTAL SHEETS:	438
REV:	

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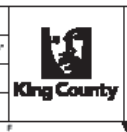
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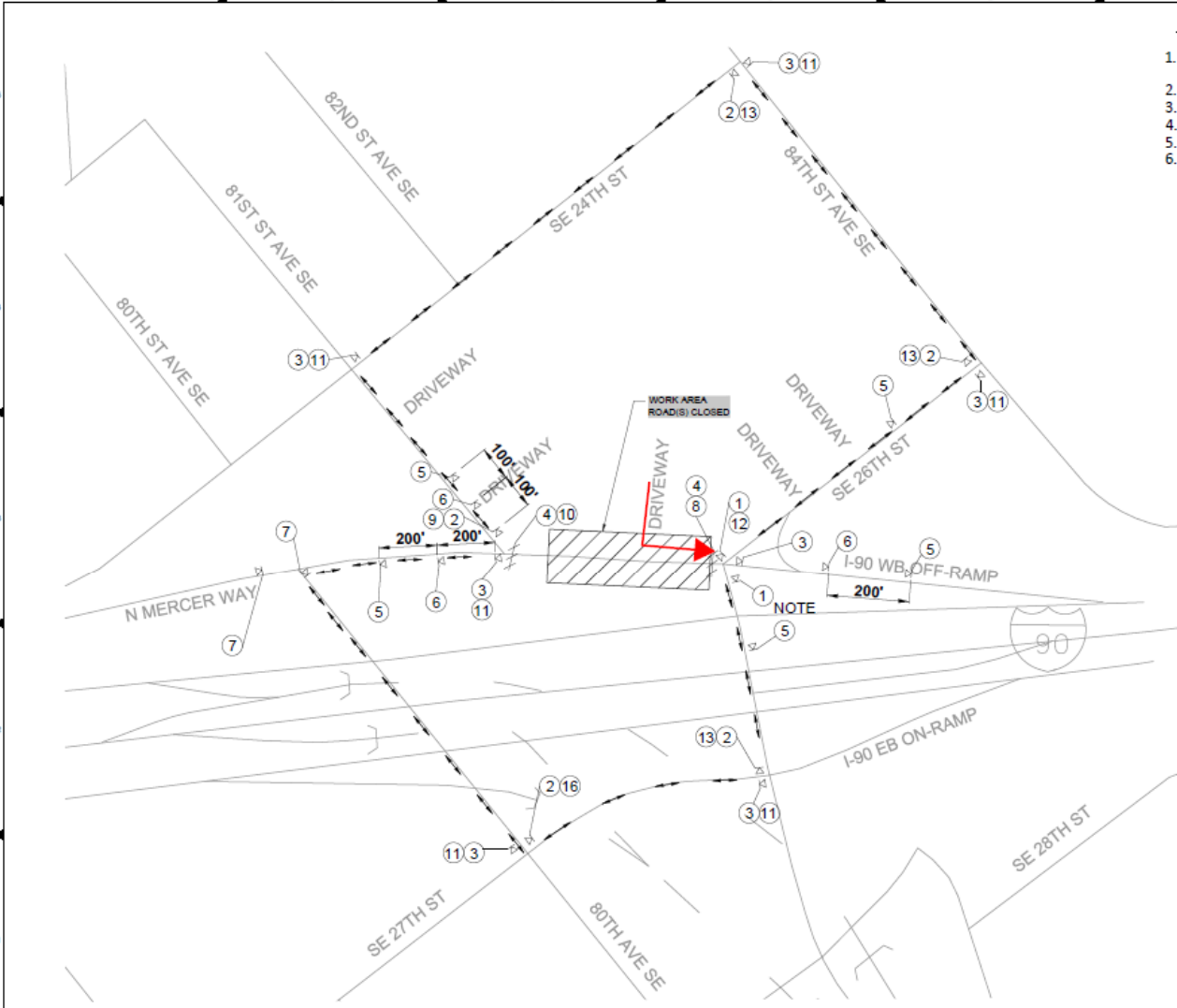
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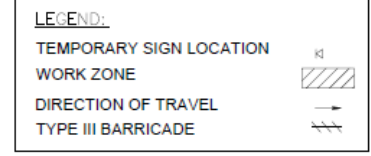
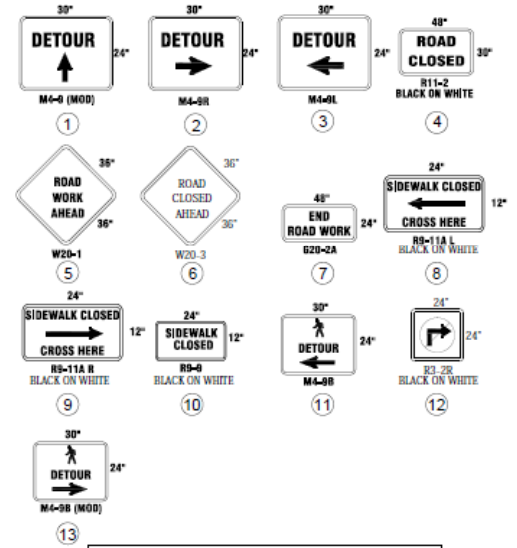
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DESIGN APPROVAL:	R. BROWNE	FACILITY NUMBER:	
PROJECT ACCEPTANCE:	S. YILDIZ	CONTRACT NO.:	CO1340C20



DEPARTMENT OF NATURAL RESOURCES & PARKS
 WASTEWATER TREATMENT DIVISION
 NORTH MERCER ISLAND INTERCEPTOR AND ENATAI
 INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
**TRAFFIC
 DETOUR PLAN**



- NOTES:**
1. ADVANCE NOTICE OF CLOSURE SIGNS SHALL BE INSTALLED TWO WEEKS PRIOR TO CLOSURE.
 2. NO FLAGGERS.
 3. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
 4. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
 5. SIGN PLACEMENT SHALL NOT ENCRoACH ONTO LANES OF TRAFFIC.
 6. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.



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NO.	REVISION DESCRIPTION	BY	APVD	DATE



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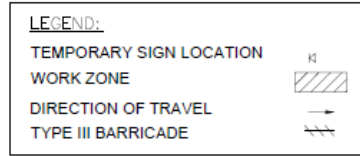
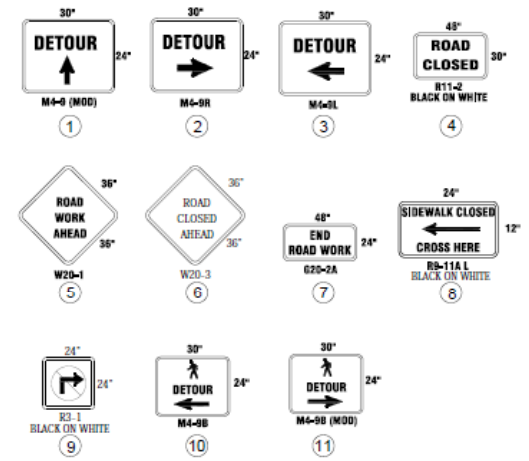
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PROJECT ENGINEER:	J. CHAE	REFERENCE:	1"
DESIGN APPROVAL:	R. BROWNE	FACILITY NUMBER:	
PROJECT ACCEPTANCE:	S. YILDIZ	CONTRACT NO.:	C01340C20



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NOTES:

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2. NO FLAGGERS
3. WORK ZONE SHALL BE A MINIMUM OF 2' FROM EDGE OF TRAVELED WAY
4. ALL SIGNS ARE BLACK/ORANGE UNLESS OTHERWISE NOTED.
5. SIGN PLACEMENT SHALL NOT ENCRUSH ONTO LANES OF TRAFFIC.
6. MAINTAIN ACCESS TO LOCAL ROADS AND RESIDENCE.
7. PLAN TO BE USED IN CONJUNCTION WITH T112



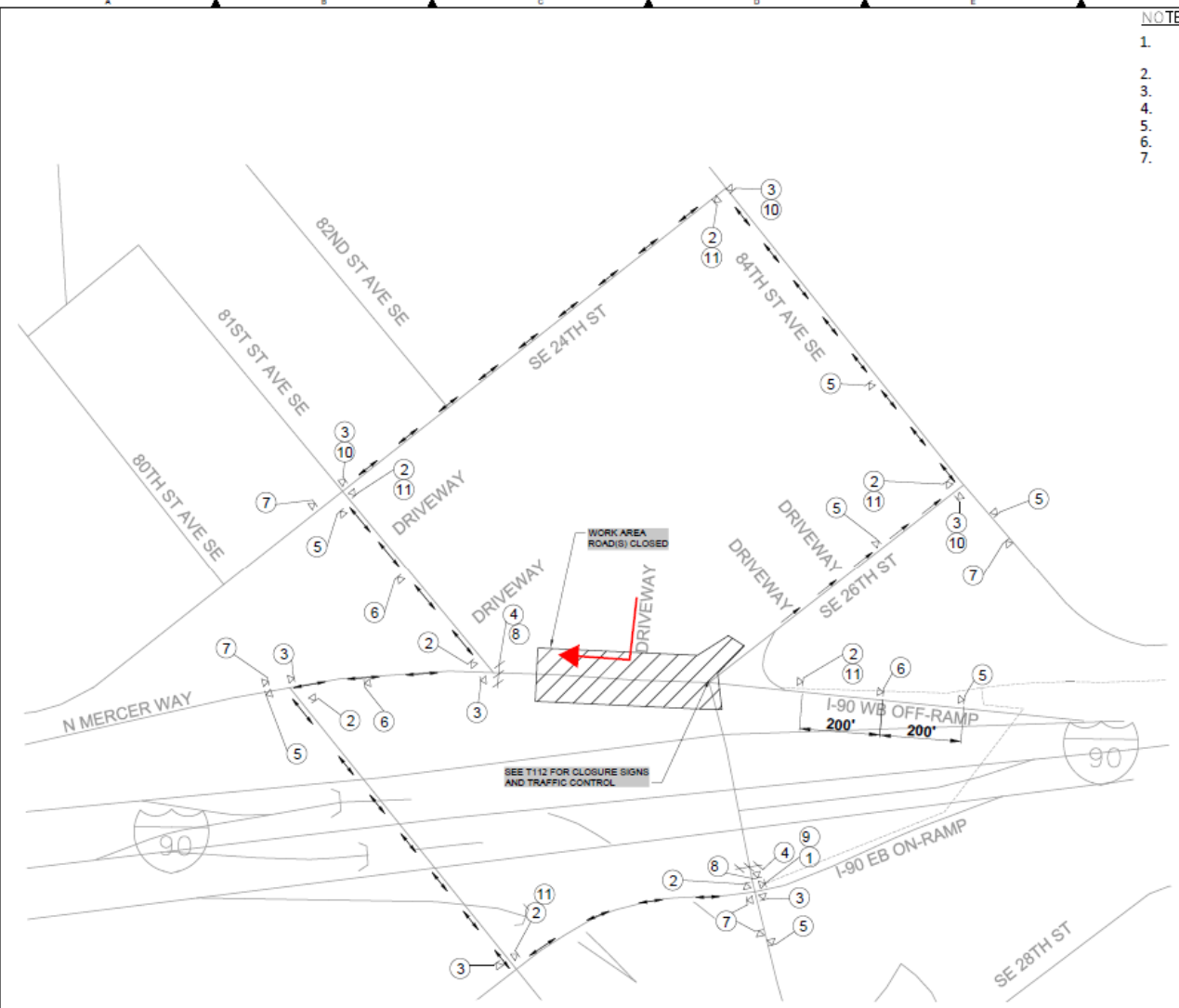
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NO.	REVISION DESCRIPTION	BY	APVD	DATE



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 SEPTEMBER 2019



DESIGNER/OWNER: S. ARANA	SCALE: AS NOTED
PROJECT MANAGER: J. CHAE	D. REFERENCE 1"
DESIGN APPROVAL: R. BROWNE	FACILITY NUMBER:
PROJECT ACCEPTANCE: S. YILDIZ	CONTRACT NO: C01340C20



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What to expect during construction

- Noise, dust, large vehicles
- Traffic disruptions
- May be after hours work





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NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

Our commitment to you

- Team availability for briefings
- 24-hour hotline
- Advance notice of construction activities
- Project website updates and regular construction updates



Community Relations Hotline King County
206-296-7432

Call for questions about your regional wastewater treatment system

Wastewater Treatment Division
Department of Natural Resources and Parks

TTY Relay: 711
Dial '911' in an emergency

www.kingcounty.gov/wtd



Construction Update

August 7, 2018

Shoring and more excavation activities begin at station site

Construction continues on the wet weather treatment station at the corner of Fourth Avenue South and South Michigan Street in Georgetown. While the underground Influent Pump Station wall is being completed (see our April 2018 update), other pipes and supporting structures will be installed using sheet piles starting in August.

Steel sheet piles will hold back water and soil while crews dig and excavate soil to install pipes and supporting structures. The sheet piles will be installed using a large piece of equipment called a vibratory hammer. **Increased noise and vibration levels are expected as the steel sheet piles are installed.**

Crews will be monitoring noise and vibration levels to minimize disruption to the extent possible. **Sheet piling is expected to begin in August and continue through fall 2018.** View King County's video on our website to learn more and see a video example of this work.





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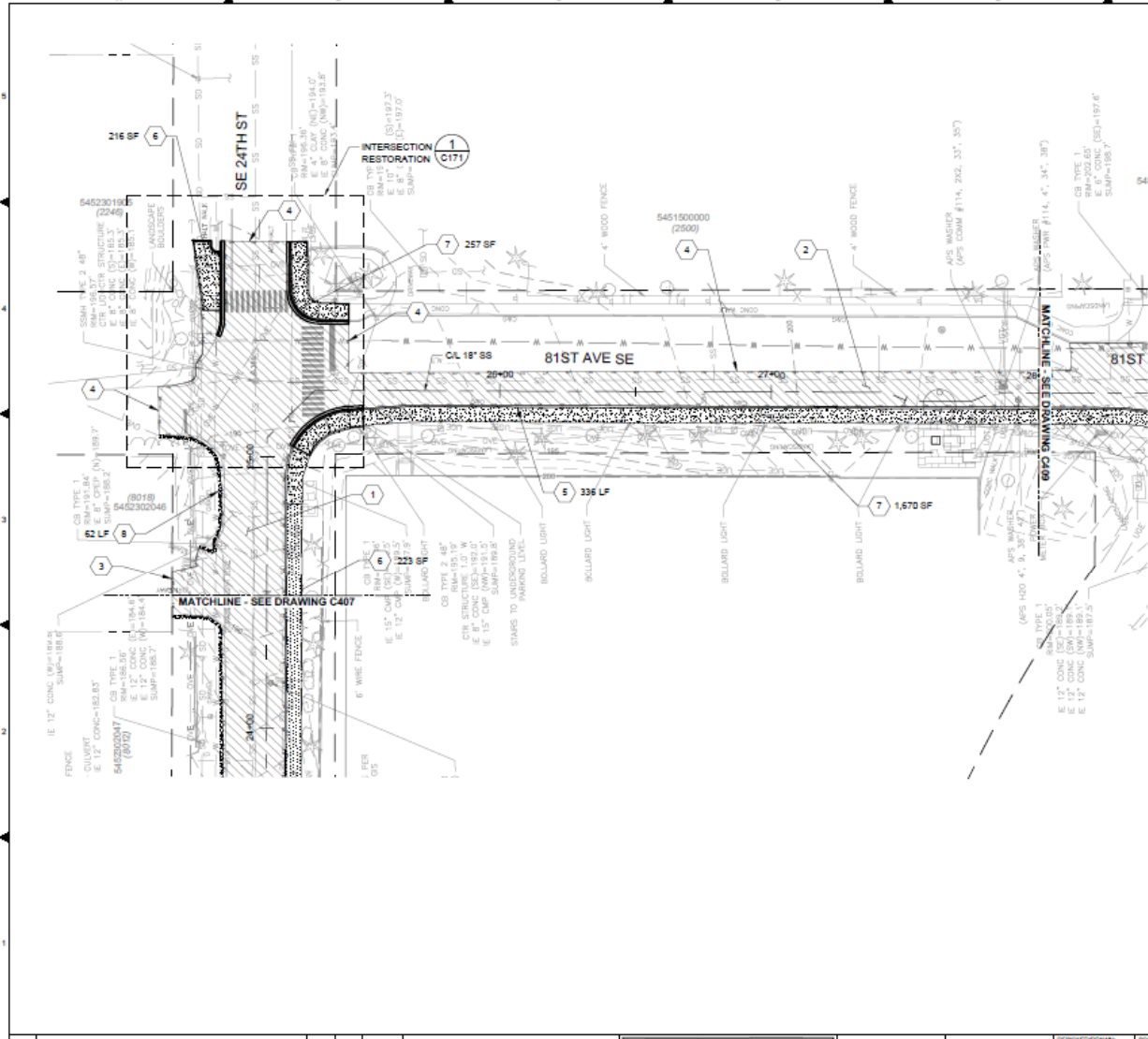
NORTH MERCER ISLAND/ENATAI Sewer Upgrade Project

Questions and comments

For more information:

- Kristine Cramer, community relations
- kristine.cramer@kingcounty.gov
- 206-477-5415

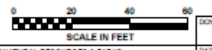
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 PLOTTED BY: J. NELSON



- NOTES:**
- RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND REQUIREMENTS.
 - FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
 - SEE DRAWINGS C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
 - SEE DRAWING C082 FOR PLANTING DETAILS.
 - SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
 - FOR EXTENTS OF FULL DEPTH TRENCH PAVEMENT REPLACEMENT SEE PLAN AND PROFILE DRAWINGS AND TRENCH SECTION DETAILS.
 - CONTRACTOR SHALL REPLACE LANDSCAPE TO MATCH EXISTING CONDITIONS.
 - SEE DRAWINGS C201 THRU C233 FOR CONSTRUCTION LIMIT DEFINITIONS AND SAW CUT LOCATIONS.

- KEY NOTES:**
- SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
 - PAVEMENT OVERLAY FOR ONE LANE (EXCL DRIVEWAYS).
 - SAW CUT PAVEMENT AT ROW. SEE DETAIL 1/0062.
 - SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 3/0062.
 - REPLACE CURBS AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL 9/0062.
 - REPLACE FULL WIDTH OF ASPHALT SIDEWALK FOR EXTENTS SHOWN IN ACCORDANCE WITH CITY OF MERCER ISLAND REQUIREMENTS.
 - REPLACE EXISTING CONCRETE SIDEWALK AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT OR PANEL. SEE DETAIL 3/0062.
 - PROVIDE GRAVEL WEDGE. SEE C063 FOR DETAILS.

- LEGEND:**
- CRUSHED GRAVEL (TYPE R)
 - HMA PLANING AND OVERLAY
 - NEW CEMENT CONCRETE SIDEWALK
 - LAWN SEED
 - NEW HMA SIDEWALK
 - TREES, SHRUBS AND GROUND COVER. (SEE NOTE 9.)



NO	REVISION DESCRIPTION	BY	APPD	DATE

TETRA TECH
JACOBS

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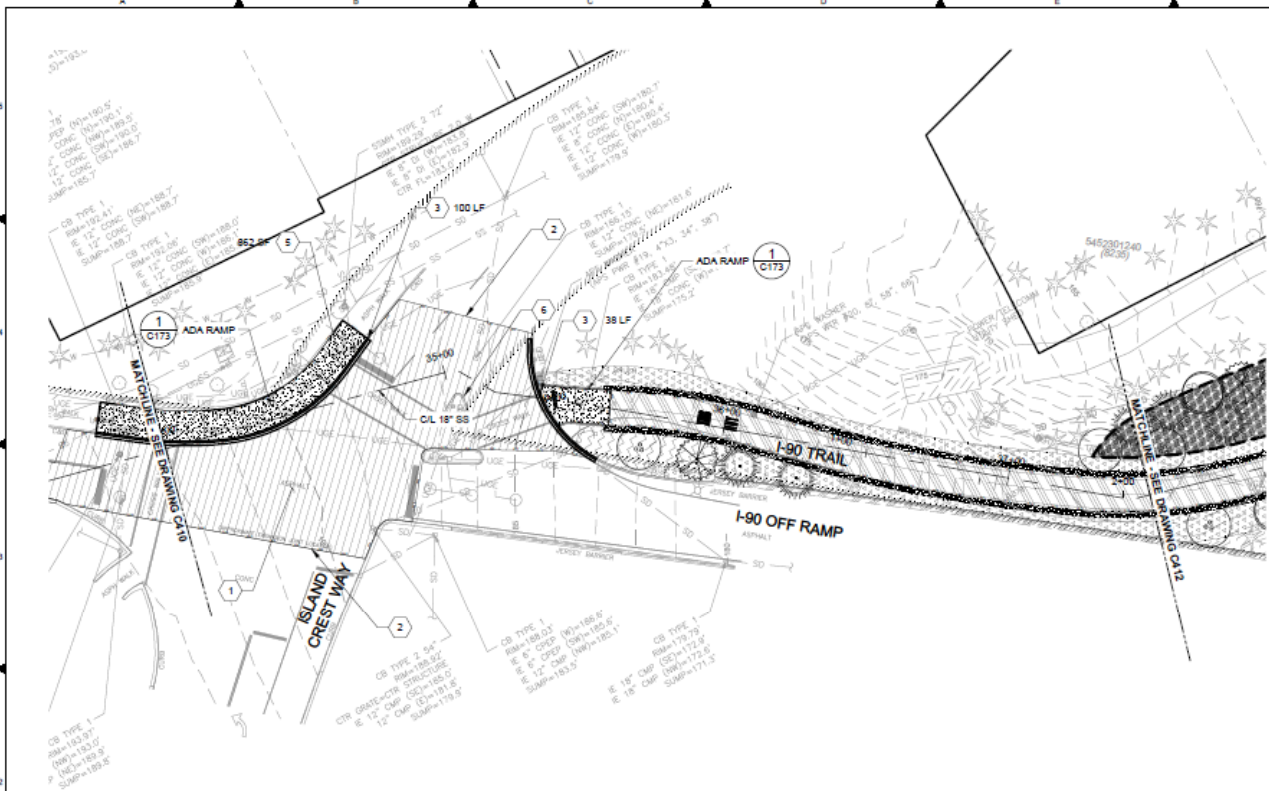
DESIGN/DESIGNER:
B. NELSON
 PROJECT ENGINEER:
J. CHAE
 DESIGN APPROVAL:
R. BROWNE
 PROJECT ACCEPTANCE:
S. YILDIZ

SCALE:
AS NOTED
 REFERENCE:
 FACILITY NAME:
King County
 CONTRACT NO:
CO1340C20

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 WASTEWATER TREATMENT DIVISION
 NORTH MERCER ISLAND INTERCEPTOR AND ENATAJ
 INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
NMPS FORCE MAIN
SITE RESTORATION
STA 24+50 TO STA 28+00

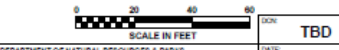
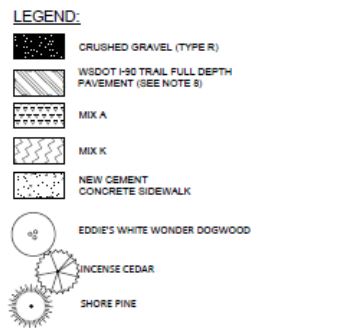
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 PLOTTED BY: JACOBSON, JACOBSON, JACOBSON, JACOBSON



- NOTES:**
- RESTORE ROADWAY PAVEMENTS, CHANNELIZATIONS, STRIPING, AND ROADWAY MARKERS PER CITY OF MERCER ISLAND.
 - FOR IMPACTS MADE OUTSIDE OF THE EXTENTS SHOWN, CONTRACTOR TO RESTORE TO THE EXISTING CONDITION.
 - SEE DRAWING C081 FOR PLANTING NOTES, SCHEDULE AND SETBACKS.
 - SEE DRAWING C082 FOR PLANTING DETAILS.
 - SEE DRAWINGS C083 AND C086 FOR PLANT MIX LAYOUT AND DESCRIPTIONS.
 - FOR ALIGNMENT AND PROFILE OF THE WSDOT I-90 TRAIL FULL DEPTH PAVEMENT, SEE C451 TO C466. FOR TRAIL SECTION AND EDGE CONDITIONS, SEE C084.
 - RESTORE OR REPLACE IMPACTED EXISTING IRRIGATION SYSTEMS. SEE SPECIFICATIONS FOR CONTRACTOR DESIGNED IRRIGATION REQUIREMENTS.

- KEY NOTES:**
- SEE SHEET C063 FOR ROADWAY RESTORATION SECTIONS.
 - SAW CUT TO MATCH EXISTING EDGE OF PAVEMENT AT LOCATIONS INDICATED. SEE DETAIL 3/C062.
 - REPLACE CURBS AND GUTTER AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT, TYPICAL. SEE DETAIL B/C062.
 - REPLACE WSDOT ITS LOOP AT INTERSECTION IF IMPACTED.
 - REPLACE EXISTING CONCRETE SIDEWALK AT LIMIT OF CONTRACTOR DISTURBANCE TO NEAREST JOINT OR PANEL. SEE DETAIL 3/C021.
 - REESTABLISH TRAFFIC ISLAND.



NO.	REVISION DESCRIPTION	BY	APPROVED	DATE



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 SEPTEMBER 2013



DESIGN/ENGINEER:
B. NELSON
 PROJECT ENGINEER:
J. CHAE
 DESIGN APPROVAL:
R. BROWNE
 PROJECT ACCEPTANCE:
S. YILDIZ



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 WASTEWATER TREATMENT DIVISION
 NORTH MERCER ISLAND INTERCEPTOR AND ENATAI
 INTERCEPTOR UPGRADE - CONVEYANCE IMPROVEMENTS
**NMPS FORCE MAIN
 SITE RESTORATION
 STA 34+00 TO STA 37+50**

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