

U.S. Department of
Homeland Security

United States
Coast Guard



Commander
United States Coast Guard
Fifth Coast Guard District

431 Crawford Street
Portsmouth, Va. 23704-5004
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16591
JAN 10 2013

PUBLIC NOTICE 5-1283

TO WHOM IT MAY CONCERN: All interested parties are notified that the Commander, Fifth Coast Guard District has received an application from the firm of Dewberry, Inc. on behalf of New Jersey Turnpike Authority (NJTA), for the proposed replacement bridge across a navigable waterway of the United States.

WATERWAY AND LOCATION: Garden State Parkway (GSP MP 95.9) Northbound and Southbound Bridges over Manasquan River, in Wall Township, Monmouth County, New Jersey.

CHARACTER OF WORK: The proposed project consists of the complete demolition and replacement of the two existing fixed highway three-lane GSP (MP 95.9), Northbound and Southbound Bridges, with two new four-lane fixed highway bridges on the same alignment. The applicant is requesting a waiver of a bridge permit under Title 33 Code of Federal Regulations, Section 115.70; Advance approval for bridges. Advance approval waterways are those that are navigable in law, but not actually navigated by other than small boats. The Commandant of the Coast Guard has given advance approval to the construction or repair of bridges across such waterways.

MINIMUM NAVIGATIONAL CLEARANCES:

<u>Existing</u>	<u>Proposed NB</u>	<u>Proposed SB</u>
Vertical: NB 13.8 feet SB 11.6 feet at MHW	Vertical: 12.5 feet at MHW	Vertical: 13.2 feet at MHW
Horizontal: NB 47.4 feet SB 46.8 feet between bents	Horizontal: 110.7 feet between abutments	Horizontal: 110.7 feet between abutments

ENVIRONMENTAL CONSIDERATIONS: The US Army Corps of Engineers (USACE) is the lead federal agency for this project. A Flood Hazard Area Permit is required from the New Jersey Department Environmental Protection (NJDEP). This permit application will also include a review for Storm water Management consistency with the Storm water Management Rules. Manasquan River is classified as a tidal water body, which the USACE agreed to recognize as jurisdictional. The 100-year flood elevation is 10.6 feet above Mean Low Water. The project area will include permanent fill of 2,768 cubic yards. The design will strive to minimize impacts to all environmental resources within the project. However, the project will have unavoidable impacts to both natural and cultural resources and the project's objective is to balance those impacts when they cannot be avoided. The project includes the stream crossing with associated floodplains, freshwater and tidal wetlands and riparian resources. Impacts to threatened and endangered species, as well as impacts to the Manasquan Wildlife Management Area, will be studied. It is likely that the extent of the impacts will trigger the need for mitigation sites.

ENDANGERED / THREATENED SPECIES (T&E): No T&E species under the jurisdiction of the National Marine Fisheries Service (NMFS) are expected to be in the project area. Further consultation should be initiated, should project plans change or new information become available.

HISTORIC PROPERTIES: Overall, it is anticipated that the proposed project will result in an adverse effect to the GSP Historic District and will be subject to review under Section 106 of the National Historic Preservation Act of 1966, as amended (36 CFR Part 800). Additional consultation has begun in order to develop a Memorandum of Agreement that will provide a specific set of stipulations in order to minimize adverse effects that may result from the proposed project.

WILD and SCENIC RIVER: Manasquan River, at the project site and upstream is not designated as part of the Wild and Scenic Rivers System. The proposed project is visually compatible with the surrounding land uses.

WETLANDS/WATER: A Coastal Permit from NJDEP for the Manasquan River bridge crossing will be required. Under this NJDEP permit application a Tidelands Grant/Lease needs to be secured for the Manasquan River bridge crossing. A Freshwater Wetlands Permit must be obtained from the NJDEP for any identified wetland/open water impacts. To compensate for wetland impacts, a Wetland Mitigation Plan must also be submitted to the NJDEP for approval as part of the permit application. A Section 401 Water Quality Certificate must be obtained from the NJDEP to certify that the proposed project will not violate the water quality standards of the State. It has been determined that the USACE has jurisdiction within the tidal reach of the Manasquan River, extending shoreward to the High Tide Line for activities involving dredge and fill material, pursuant to Section 404 of the CWA, and to the Mean High Water Line for all other structures and work. It was decided through further coordination that USACE jurisdiction within the study area would be limited to the Manasquan River, a Navigable Water of the United States, and its fringe wetlands. The total disturbance to regulated wetlands at the Manasquan River will be .503 permanent acres and .603 temporary acres and it is anticipated that the project will be permitted via a Nationwide Permit No. 15. A mitigation site search will be conducted to identify potentially suitable areas to mitigate the impacts to wetlands that may result from the proposed project. Impacts to all wetlands will be mitigated in accordance with the New Jersey Freshwater Wetlands Protection Act and impacts to USACE regulated wetlands will be mitigated in accordance with the USACE's 2008 Mitigation Rules. Close coordination with the USACE and NJDEP will be required so that the location and design of the mitigation of impacts to the tidal wetlands at the Manasquan River are acceptable to both agencies. Mitigation recommendations will be provided from the coordination.

ESSENTIAL FISH HABITAT (EFH): The Manasquan River provides migratory pathways and spawning and nursery habitat for anadromous fish including alewife and blue back herring. To minimize impacts to these species, in water work should be avoided from March 1st through June 30th in these waterways. Anadromous fish migrations have been reported in downstream. The NJDEP Division of Fish and Wildlife (DFW), Bureau of Freshwater Fisheries should be contacted to confirm the status of fish migrations in this waterway. If anadromous fish migrations occur in the vicinity of the project, the same seasonal restrictions should be applied to

this waterway. No Essential Fish Habitat (EFH) has been designated in the project area. Consultation should be reinitiated if project plans change, or if new species or new EFH areas are designated in the future. Pursuant to the NMFS direction, the DFW was contacted regarding the status of anadromous fish migrations in the project area. The DFW stated that it concurred with the NMFS and that the following waters are mapped as anadromous fish runs: Manasquan River. Any in-water work or sediment generation in these waters should be avoided from March 1st through June 30th in these waters. If coffer dams are put in place outside of these restricted time periods, in water work can be conducted during the restricted time period. October 15th and December 31 stand. The DFW requests that in-water work and sediment generation in the Manasquan River be avoided during this time. The T&E species habitats that will be avoided by the proposed improvements include: black skimmer and black-crowned night heron. Further analysis performed as a condition of permitting, and/or further changes to the proposed improvements during final design, may also rule out the potential for impact to other species habitats. As with the State-listed species, additional survey work and/or timing restrictions for the other Federally-listed species (other than bog turtle) maybe required by the US Fish and Wildlife Service (USFWS). However, it is important to remember that the USFWS species list is organized at a municipal level but may not be within the area. All timing restrictions on in-water work and sediment generation in the waterways identified by the NMFS and NJDEP as anadromous fish runs, as well as for the Manasquan River's sea-run brown trout, will be adhered to during construction. Potential timing restrictions for the above species are as shown below; however, they are provided for planning purposes only. Actual timing restrictions would be provided by the NJDEP as a condition of permitting. Pine barrens tree frog, May 1 to September 1 for breeding sites; northern pine snake, April 15 to October 31; bog turtle, November 1 to April 30 and May 1 to October 30; bald eagle foraging, January 1 to March 1; Cooper's hawk, March 1 to July 15; barred owl, March 1 to July 15; and wood turtle, November 15 to April 1 for in-stream work.

ENVIRONMENTAL JUSTICE: Based on the environmental documentation submitted for this project, it appears that the proposed bridge project will have no adverse environmental justice impacts upon minority or low-income populations under Environment Justice Requirements. Information and data contrary to this adverse impact position should be submitted in response to this notice.

SOLICITATION OF COMMENTS: Interested parties are requested to express their views, in writing, on the proposed construction of the replacement bridge giving sufficient detail to establish a clear understanding of their reasons for support of or opposition to the proposed project. Comments will be addressed for the record at the office of Commander (dpb), Fifth Coast Guard District, 431 Crawford Street, Portsmouth, Virginia 23704-5004 through FEB 10 2013. Location and plan sheets are attached.

//s//

WAVERLY W. GREGORY, JR.
Bridge Program Manager
By direction of the Commander
Fifth Coast Guard District

This is a web-searchable copy and is not the official, signed version; however, other than the signature being omitted, it is a duplicate of the official version.

NEW JERSEY TURNPIKE AUTHORITY

JAMES S. SIMPSON
CHAIRMAN

RONALD GRAVINO
VICE CHAIRMAN

MICHAEL R. DU PONT
TREASURER

HAROLD L. HODES
COMMISSIONER

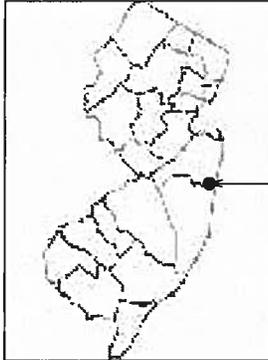
RAYMOND M. POCINO
COMMISSIONER

ULISES E. DIAZ
COMMISSIONER

DANIEL F. BECHT
COMMISSIONER

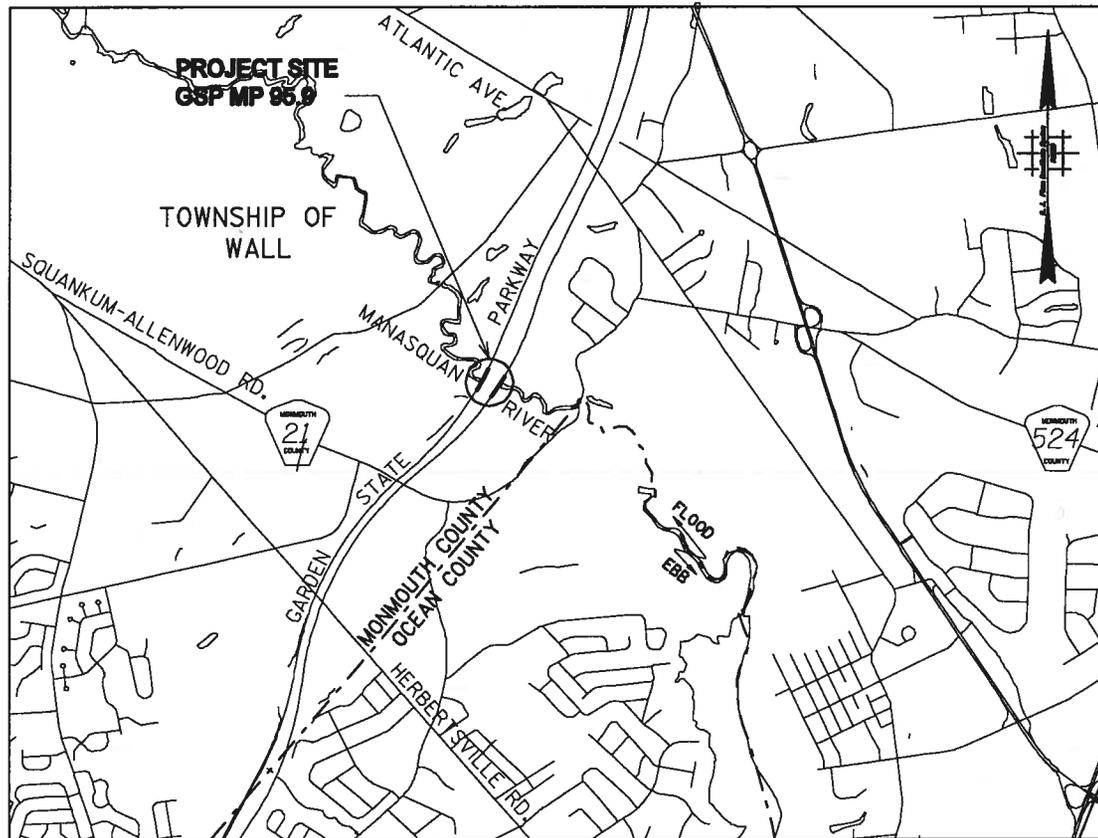
GARDEN STATE PARKWAY

CONTRACT NO. P200.201
GARDEN STATE PARKWAY
BRIDGE OVER MANASQUAN RIVER
STRUCTURE NOS. 95.8SR & 95.9NR
TOWNSHIP OF WALL
MONMOUTH COUNTY, NJ



MAP OF NEW JERSEY

PROJECT
LOCATION



LOCATION PLAN

SCALE: 1" = 500'



ORIGINAL SIZE IN INCHES

INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	LOCATION PLAN
2	BRIDGE PLAN
3	GSP NB BRIDGE OVER MANASQUAN RIVER PLAN VIEW
4	GSP SB BRIDGE OVER MANASQUAN RIVER PLAN VIEW
5	GSP NB BRIDGE OVER MANASQUAN RIVER ELEVATION AND SECTION
6	GSP SB BRIDGE OVER MANASQUAN RIVER ELEVATION AND SECTION

GENERAL NOTES:

1. DESIGN SPECIFICATIONS:

2010 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS, 5TH EDITION, AND AS MODIFIED BY THE 2007 NEW JERSEY TURNPIKE AUTHORITY DESIGN MANUAL, SECTION 2, THROUGH CURRENT UPDATES.

2002 AASHTO STANDARD SPECIFICATIONS FOR HIGHWAY BRIDGES, 17TH EDITION AND AS MODIFIED BY THE 2007 NEW JERSEY TURNPIKE AUTHORITY DESIGN MANUAL, SECTION 2, THROUGH CURRENT UPDATES, FOR MODIFICATIONS APPROPRIATE TO LOAD FACTOR DESIGN (LFD) AND ALLOWABLE STRESS DESIGN (ASD).

2007 NEW JERSEY TURNPIKE AUTHORITY DESIGN MANUAL THROUGH CURRENT UPDATES.

AASHTO/AWS BRIDGE WELDING CODE D1.5M/D1.5:2010 WITH CURRENT INTERIMS.

2. CONSTRUCTION SPECIFICATIONS:

2004 NEW JERSEY TURNPIKE AUTHORITY STANDARD SPECIFICATIONS, 6TH EDITION AS AMENDED AND AUGMENTED BY THE SUPPLEMENTARY SPECIFICATIONS.

3. ELEVATION DATUM:

NORTH AMERICAN VERTICAL DATUM (NAVD 88)

4. GRID SYSTEM:

NEW JERSEY PLANE COORDINATE SYSTEM (NAD 83)

NEW JERSEY TURNPIKE AUTHORITY
GARDEN STATE PARKWAY
CONTRACT NO. P200.201
GSP BRIDGE OVER MANASQUAN RIVER MP 7.1, GSP MP 95.9
TOWNSHIP OF WALL, MONMOUTH COUNTY, NJ

MANASQUAN RIVER BRIDGE WIDENINGS
LOCATION PLAN

JACOBS ENGINEERING GROUP INC.
200 WEST WASHINGTON STREET, SUITE 200
NEWARK, NJ 07102
DATE: OCTOBER 4, 2012

SCALE: AS NOTED
DATE: OCTOBER 4, 2012

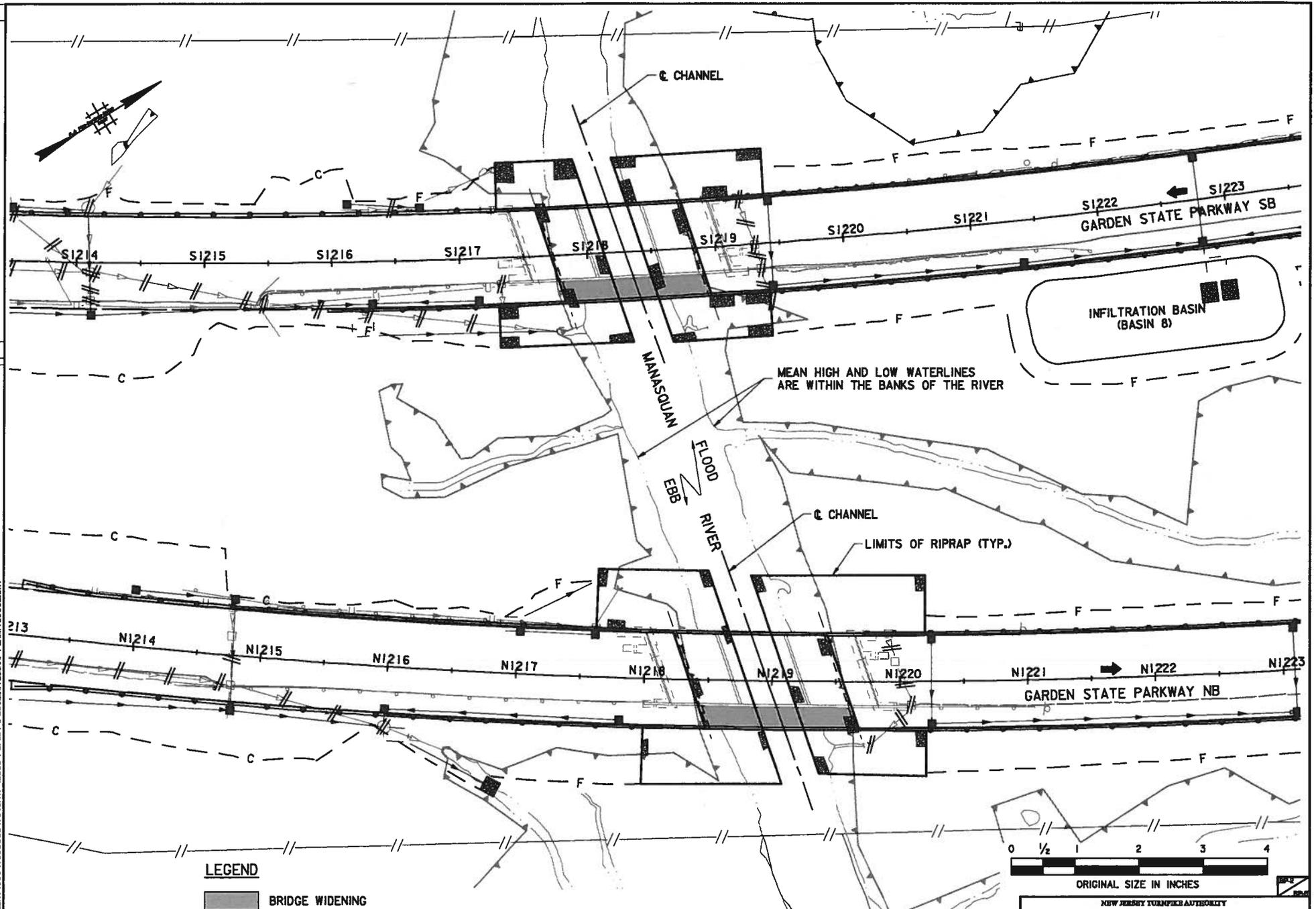
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	BY	DATE
MADE	BM	7-11
TRACED	BW	10-11
CHECKED	JC	8/12
SUPERVISED	JH	

REV.	DESCRIPTION	DATE	BY	CHK.

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LEGEND
 [Shaded Box] BRIDGE WIDENING

NOTES:
 1. SEE SHEETS 3 AND 4 FOR GRADING AND BRIDGE MEASUREMENTS.
 2. TOTAL VOLUME OF RIPRAP SLOPE PROTECTION AND EXCAVATION AT NB BRIDGE IS 3,610 CY.
 3. TOTAL VOLUME OF RIPRAP SLOPE PROTECTION AND EXCAVATION AT SB BRIDGE IS 2,085 CY.

	BY	DATE
MADE	RFF	9-10-12
TRACED	RZ	9-12-12
CHECKED	JJH	9-12-12
SUPERVISED	MJB	

NEW JERSEY TURNPIKE AUTHORITY
GARDEN STATE PARKWAY
 CONTRACT NO. P200.201
 GSP BRIDGE OVER MANASQUAN RIVER MP 7.1, GSP MP 05.9
 TOWNSHIP OF WALL, MONMOUTH COUNTY NJ

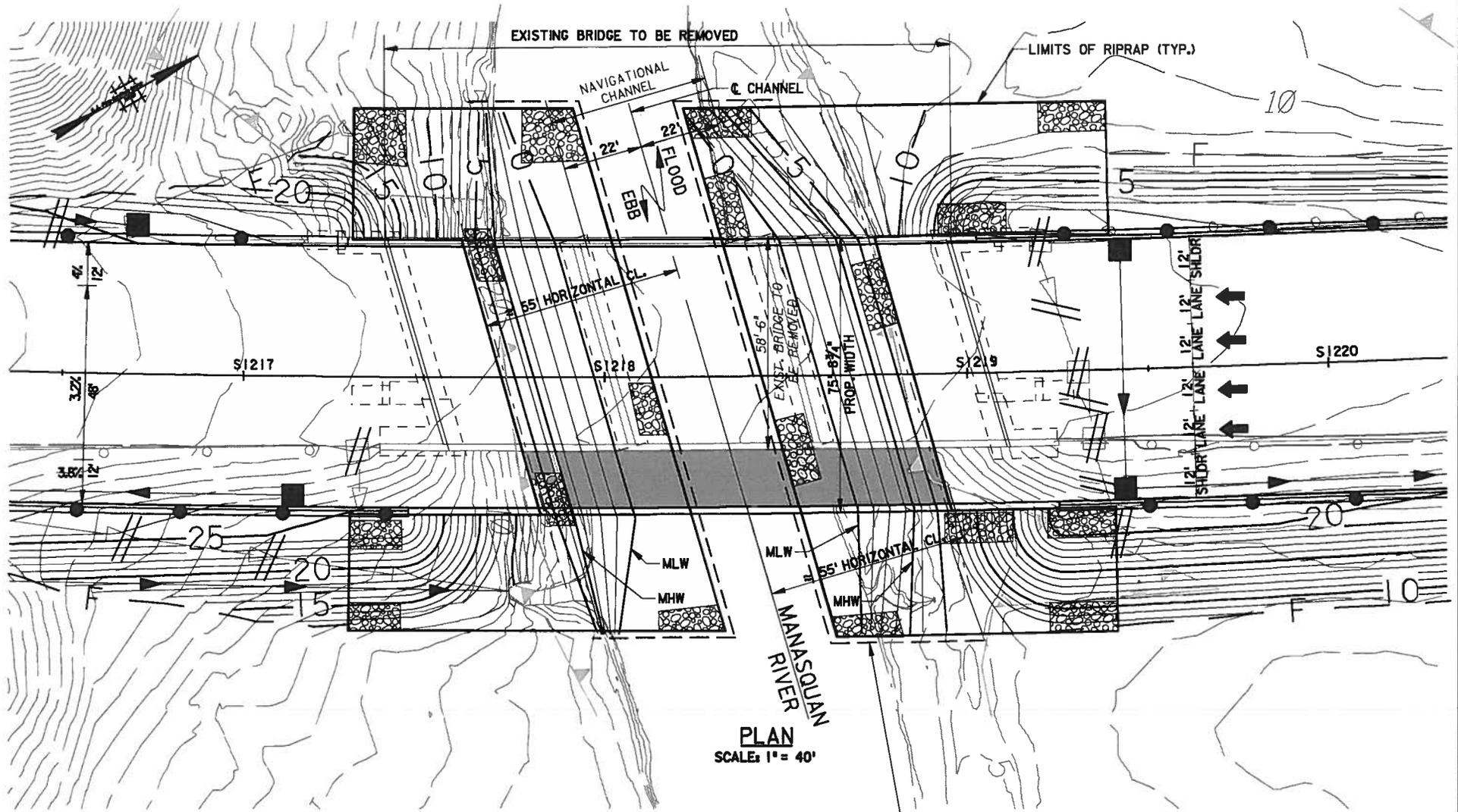
**MANASQUAN RIVER BRIDGE WIDENINGS
 BRIDGE PLAN**

JACOBS ENGINEERING GROUP INC.
 200 WEST WASHINGTON AVENUE, SUITE 100
 NEW YORK, NY 10036
 [Signature]
 JAMES J. HONOHY
 CIVIL ENGINEER, PROFESSIONAL NO. 100000000

SCALE: 1" = 100'
 DATE: OCTOBER 9, 2012

REV.	DESCRIPTION	DATE	BY	CHK.

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PLAN
SCALE: 1" = 40'

APPROXIMATE LOCATION OF PROPOSED COFFERDAM (TEMPORARY SHEETING)

HYDROLOGIC AND HYDRAULIC DATA	
DRAINAGE AREA (SQ MI)	66.0
DESIGN DISCHARGE (CFS)	12,800
DESIGN WATER SURFACE ELEVATION (FT NAVD 88)	13.64
ENERGY GRADE LINE ELEVATION (FT NAVD 88)	14.80
EVENT RETURN FREQUENCY (Hurricane Irene)	HURRICANE IRENE

LEGEND

BRIDGE WIDENING



	BY	DATE
MADE	BM	7-11
TRACED	BW	10-11
CHECKED	JC	8/12
SUPERVISED	MJB	

STORM FREQUENCY (YEARS)	2	10	100
	WATER SURFACE ELEVATION (FT)	6.4	9.12
CHANNEL VELOCITY AVERAGE (FEET/SECOND)	2.1	3.5	6.0
MLW = ±	0.0		
MHW = ±	3.69		

- NOTES:**
- TOTAL VOLUME OF RIPRAP SLOPE PROTECTION, AND EXCAVATION 36" THICK @ SB BRIDGE IS 2,085 CY.
 - WATER DEPTH AT MEAN LOW VARIES BETWEEN 2.0' AND 5.6'.
 - PROPOSED BRIDGE LENGTH
(C BRGS ABUT TO ABUT) = 111'-3/4"

NEW JERSEY TURNPIKE AUTHORITY
GARDEN STATE PARKWAY
 CONTRACT NO. P200.201
 GSP BRIDGE OVER MANASQUAN RIVER MP 7.1, GSP MP 06.9
 TOWNSHIP OF WALL, MONMOUTH COUNTY NJ

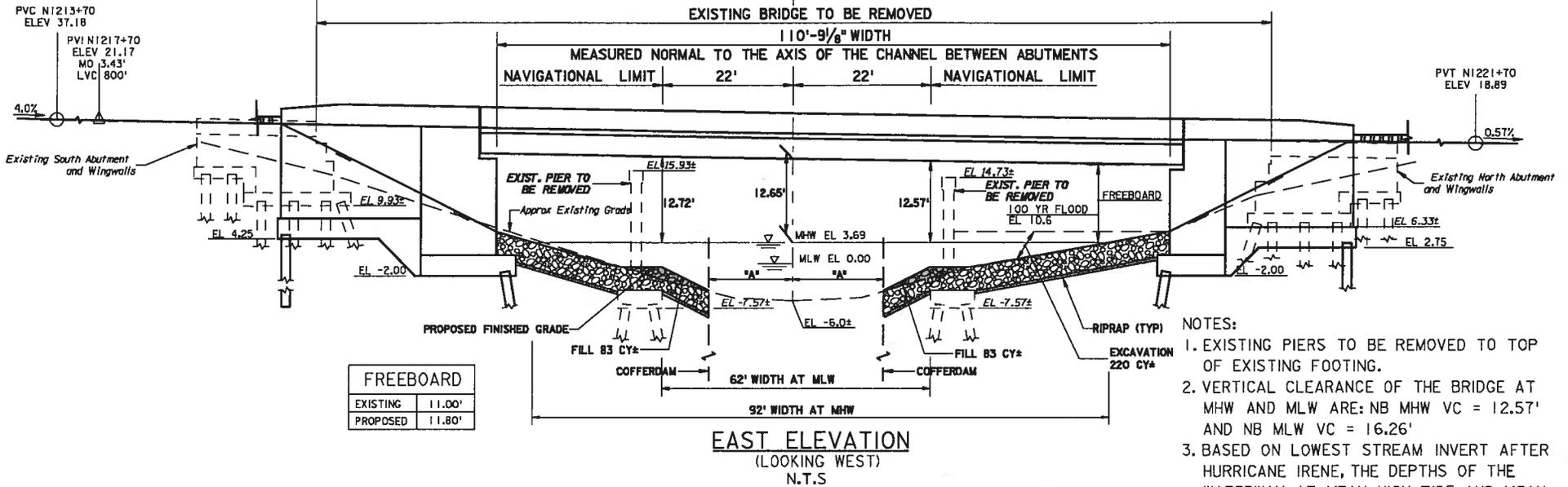
**GSP SB OVER MANASQUAN RIVER
 PLAN VIEW**

JACOBS ENGINEERING GROUP INC.
 THOMAS R. DECKER

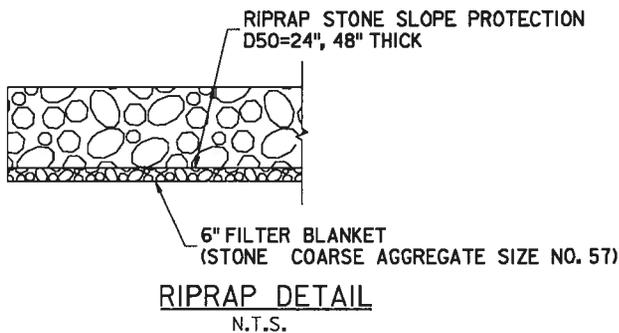
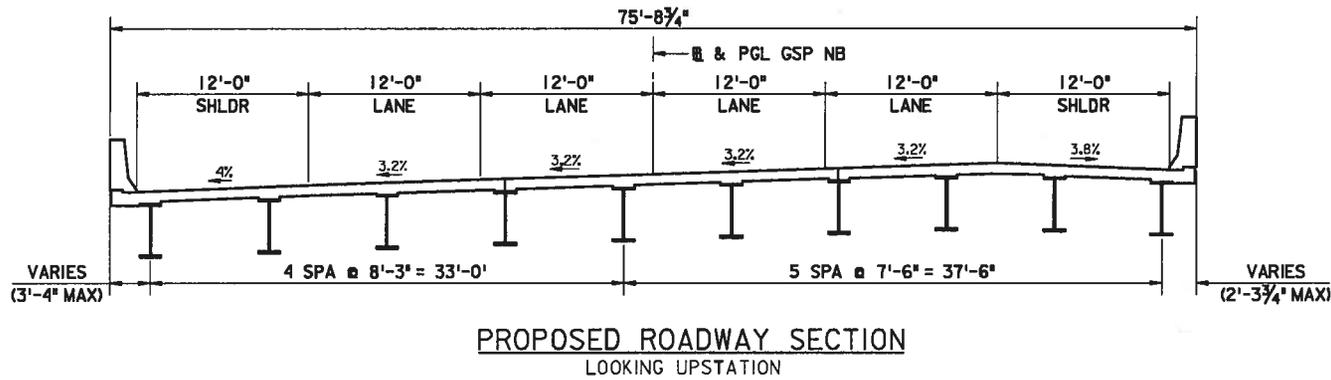
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 DATE: OCTOBER 3, 2012

REV. DESCRIPTION DATE BY CHK.

C CHANNEL MANASQUAN RIVER



- NOTES:
- EXISTING PIERS TO BE REMOVED TO TOP OF EXISTING FOOTING.
 - VERTICAL CLEARANCE OF THE BRIDGE AT MHW AND MLW ARE: NB MHW VC = 12.57' AND NB MLW VC = 16.26'
 - BASED ON LOWEST STREAM INVERT AFTER HURRICANE IRENE, THE DEPTHS OF THE WATERWAY AT MEAN HIGH TIDE AND MEAN LOW TIDE ARE: NB MHT = 7.6' AND NB MLT = 3.7'
 - MINIMUM VERTICAL CLEARANCE DURING CONSTRUCTION IS THE EXISTING VERTICAL CLEARANCE.
 - DIMENSION "A" MINIMUM HORIZONTAL CLEARANCE DURING CONSTRUCTION IS 13'.



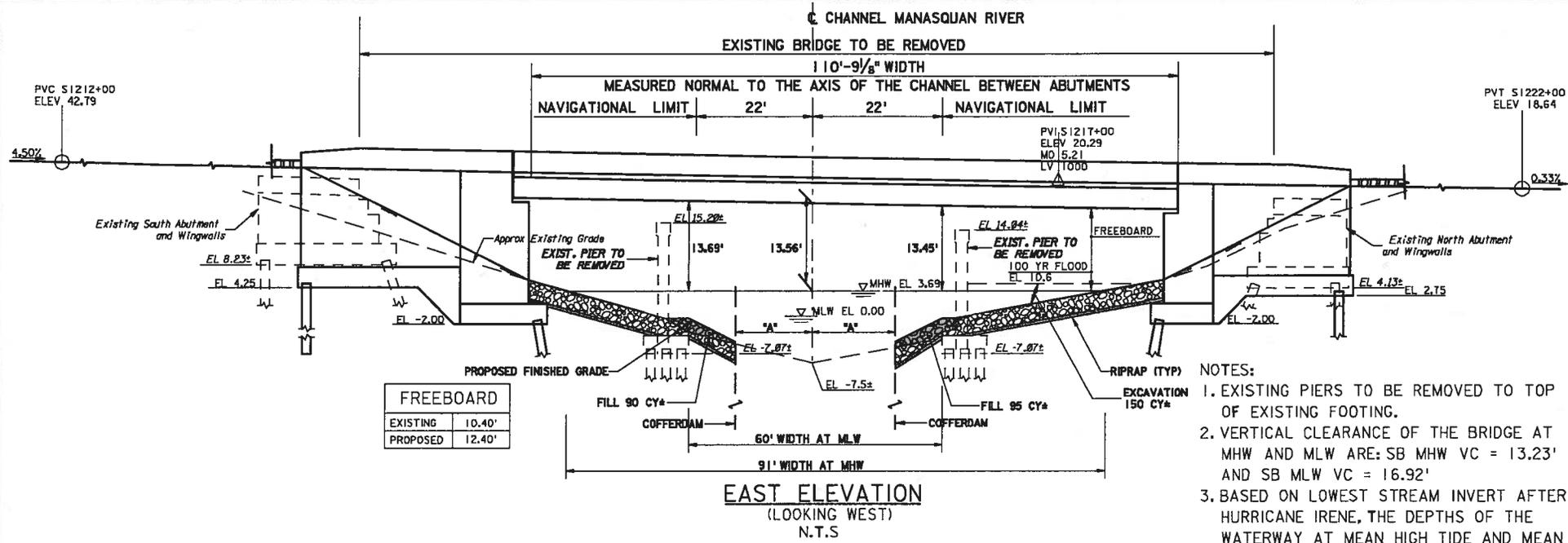
NEW JERSEY TURNPIKE AUTHORITY
GARDEN STATE PARKWAY
 CONTRACT NO. P200.201
 GSP BRIDGE OVER MANASQUAN RIVER MP 7.1, GSP MP 06.9
 TOWNSHIP OF WALL, MONMOUTH COUNTY NJ
STRUCTURE NO. 88.8NR
GSP NB OVER MANASQUAN RIVER
ELEVATION AND SECTION

JACOBS ENGINEERING GROUP INC.
 100 MARKET STREET, SUITE 200
 PHILADELPHIA, PA 19106
 TOOD N. SCHRIBER
 SCALE: NONE
 DATE: OCTOBER 8, 2012

REV.	DESCRIPTION	DATE	BY	CHK.

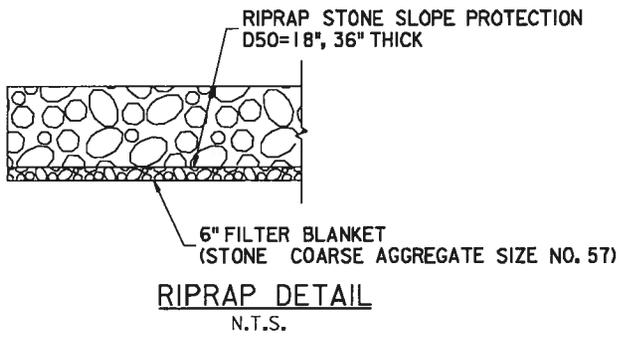
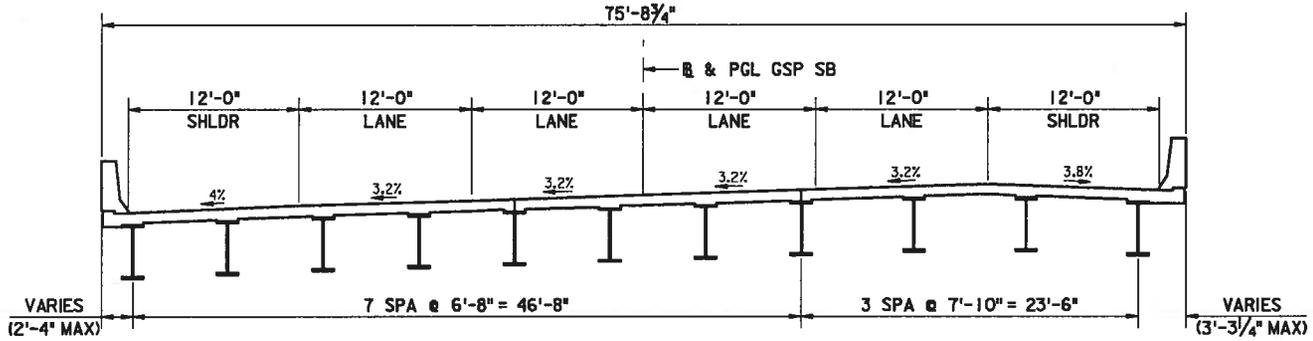
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	BY	DATE
MADE	JP	03-12
TRACED	YAS	04-12
CHECKED	JP	04-12
SUPERVISED	TNS	



FREEBOARD	
EXISTING	10.40'
PROPOSED	12.40'

- NOTES:
- EXISTING PIERS TO BE REMOVED TO TOP OF EXISTING FOOTING.
 - VERTICAL CLEARANCE OF THE BRIDGE AT MHW AND MLW ARE: SB MHW VC = 13.23' AND SB MLW VC = 16.92'
 - BASED ON LOWEST STREAM INVERT AFTER HURRICANE IRENE, THE DEPTHS OF THE WATERWAY AT MEAN HIGH TIDE AND MEAN LOW TIDE ARE: SB MHT = 9.5' AND SB MLT = 5.6'
 - MINIMUM VERTICAL CLEARANCE DURING CONSTRUCTION IS THE EXISTING VERTICAL CLEARANCE.
 - DIMENSION "A" MINIMUM HORIZONTAL CLEARANCE DURING CONSTRUCTION IS 13'.



NEW JERSEY TURNPIKE AUTHORITY
GARDEN STATE PARKWAY
 CONTRACT NO. P200.201
 GSP BRIDGE OVER MANASQUAN RIVER MP 7.1, GSP MP 06.9
 TOWNSHIP OF WALL, MONMOUTH COUNTY NJ
STRUCTURE NO. 88.BSR
GSP SB OVER MANASQUAN RIVER
ELEVATION AND SECTION

JACOBS ENGINEERING GROUP INC.
 SCALE: NONE
 DATE: OCTOBER 8, 2012

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TRACED	YAS	04-12
CHECKED	JP	04-12
SUPERVISED	TNS	

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