R.O.W. PLANS REVISION

To: State Right-of-Way Division Director

We Are Submitting Herewith Plans Revision on: SR-29 (U.S.27) Olgiati Bridge,

County: Hamilton

Project # : NHE-29(72) R.O.W.
PIN # : 112584.00

Description of Project: Olgiati Bridge over Tennessee River, Bridge Widening

Description of Revision:

Sheet #3: Revised Construction Easement for Tract No. 2.

Sheet #4: Revised Construction Easement on Tract No. 2. Added Note Stating City of Chattanooga & Southern Bell Should Expect Tempory Closures Periodically During Crane Use for Safety purposes. They Will be Notified in Advance of Said Work.

Sheets Revised (Nos.): 3&4
Sheets Added (Nos.): NONE
Sheets Eliminated (Nos.): NONE

Plan Revision Date: 10-28-13
Design Division
By: Gordon Masengale
Date: 11-01-13

Plans placed on FileNet:

PDF Filename: 112584-00-ROW-Rev.-10-28-13-pdf.
ZIP Filename: 112584-00-ROW-Rev.-10-28-13-zip.
Added on Date for PDF & EXE: 11-01-13

E-mail notifications with attached pdf of the letter and revised sheets

cc:

Regional Right-of-Way Manager, Region 2
Environmental Division
Roadway Design Division, Quality Assurance Office
Regional Director of Project Development
Railroad Coordinator
Project Manager

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TENN.	YEAR	SHEET NO.
	2011	1
FED. AID PROJ. NO.	NHE-29(72)	
STATE PROJ. NO.	33018-2208-14	

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION
BUREAU OF ENGINEERING

HAMILTON COUNTY

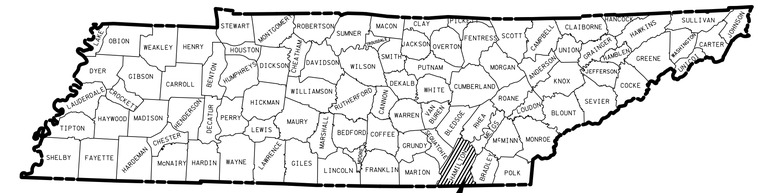
S.R. 29 (U.S. 27)
OLGIATI BRIDGE OVER TENNESSEE RIVER
BRIDGE WIDENING

RIGHT-OF-WAY

STATE HIGHWAY NO. 29 F.A.H.S. NO. 27

Index Of Sheets

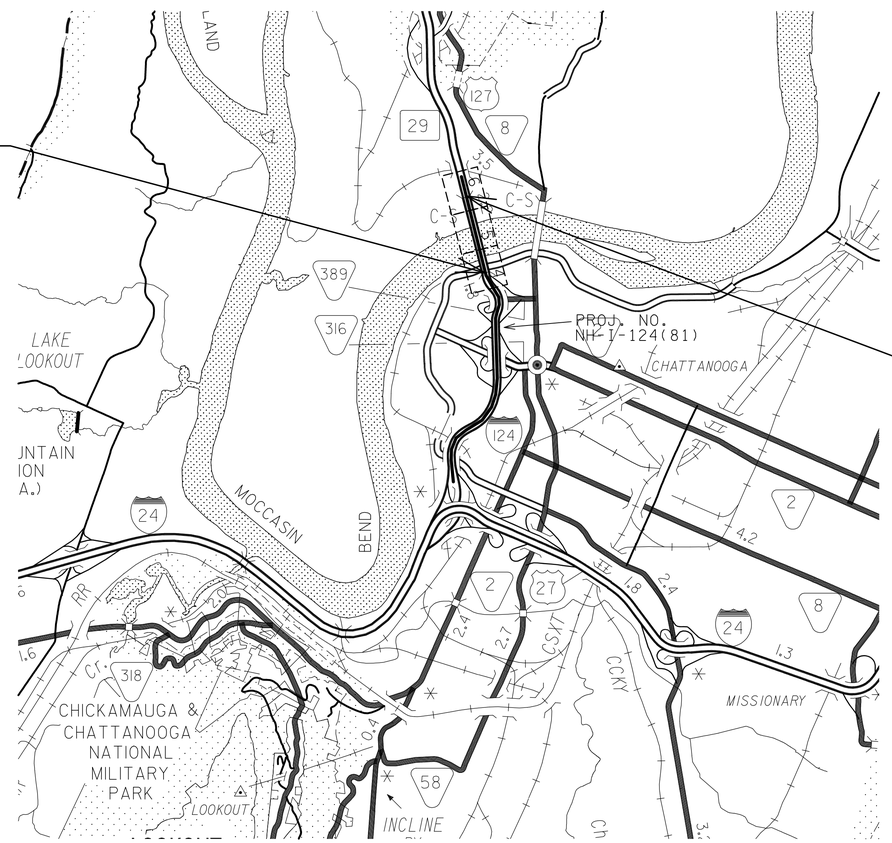
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	TYPICAL SECTION
3	PROPERTY MAP
3A	R.O.W. NOTES, UTILITY NOTES, UTILITY OWNERS AND CONTROL POINTS
4-6	PRESENT LAYOUT
4A-6A	PROPOSED LAYOUT
7	EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) NOTES
7A-7C	EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) PLAN



NO EXCLUSIONS
NO EQUATIONS

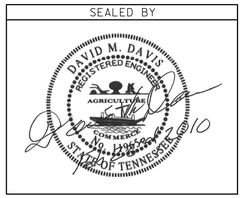
33018-2208-14
BEGIN PROJECT NO. NHE-29(72) R.O.W.
STA. 182+31.47

33018-2208-14
END PROJECT NO. NHE-29(72) R.O.W.
STA. 207+69.18



R.O.W. PLANS

SEALED BY



APPROVED: Paul D. Degges
PAUL D. DEGGES, CHIEF ENGINEER

DATE:

APPROVED:
JOHN SCHROER, COMMISSIONER

SPECIAL NOTES

PROPOSALS MAY BE REJECTED BY THE COMMISSIONER IF ANY OF THE UNIT PRICES CONTAINED THEREIN ARE OBVIOUSLY UNBALANCED, EITHER EXCESSIVE OR BELOW THE REASONABLE COST ANALYSIS VALUE.

THIS PROJECT TO BE CONSTRUCTED UNDER THE STANDARD SPECIFICATIONS OF THE TENNESSEE DEPARTMENT OF TRANSPORTATION DATED MARCH 1, 2006 AND ADDITIONAL SPECIFICATIONS AND SPECIAL PROVISIONS CONTAINED IN THE PLANS AND IN THE PROPOSAL CONTRACT.

TDOT C.E. MANAGER 1 JIM JOHNSTON, PE
DESIGNED BY CLINARD ENGINEERING ASSOC., LLC
DESIGNER DAVID DAVIS, PE CHECKED BY TOM S. EDMONDSON
P.E. NO. 33018-0208-14
PIN NO. 112584.00

R.O.W. LENGTH 0.479 MILES

TRAFFIC DATA	
ADT (2010)	71230
ADT (2030)	85480
DHV (2030)	8548
D	60 - 40
T (ADT)	5 %
T (DHV)	3 %
V	55 MPH

U.S. DEPARTMENT OF TRANSPORTATION
FEDERAL HIGHWAY ADMINISTRATION

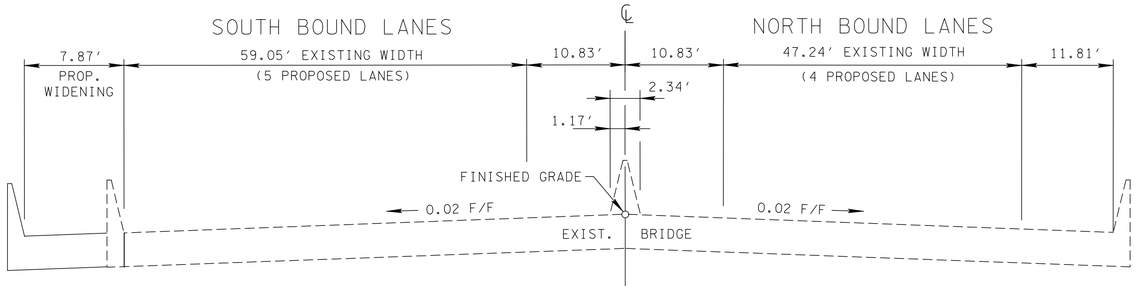
APPROVED:

DIVISION ADMINISTRATOR DATE

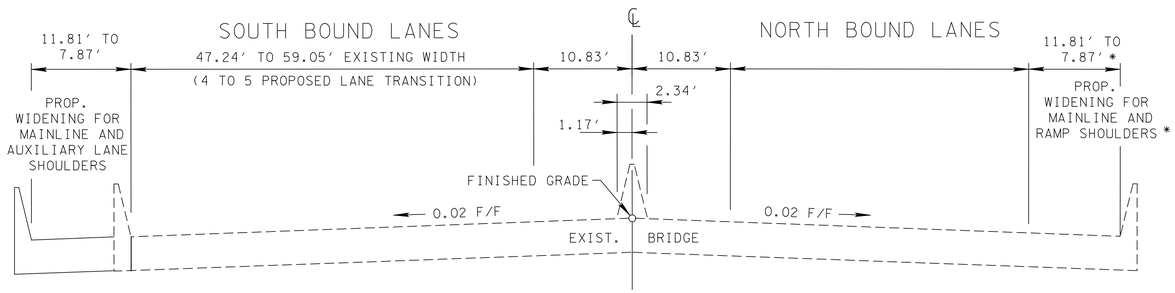
7/23/2012 7:49:49 AM
p:\2010\i-124 olgiatti bridge\design v8\sheets\HTI124_Sheet_001ROW.SHT

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	2

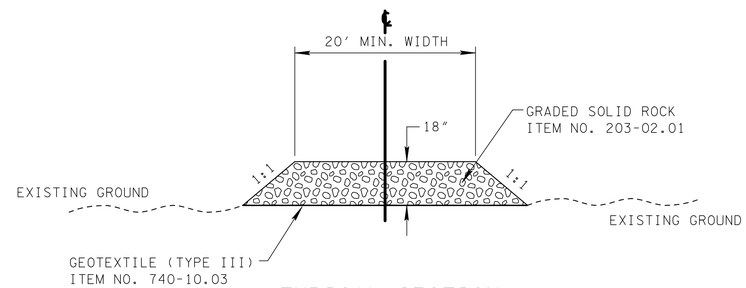
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.



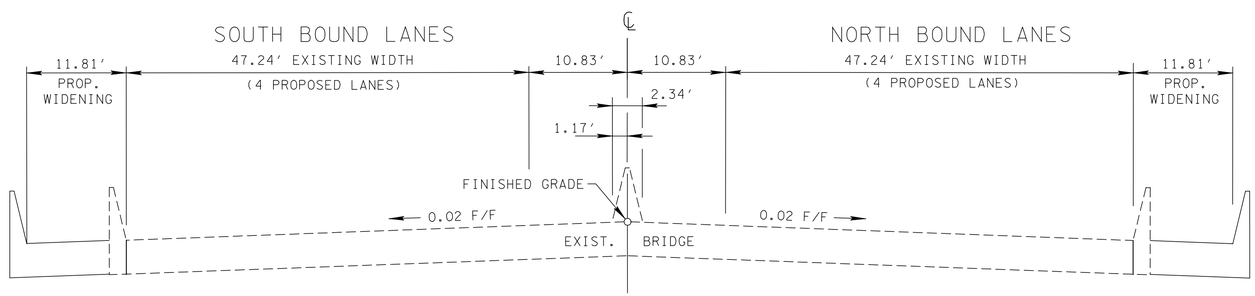
TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-5B)
STA. 200+85.90 TO STA. 209+14.68



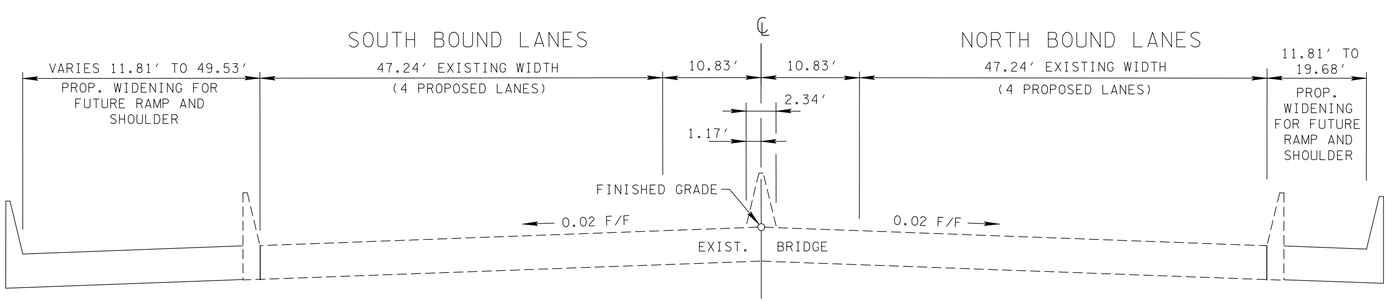
TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-5B)
STA. 197+57.82 TO STA. 200+85.90
* NO WIDENING REQUIRED BETWEEN STA. 199+34.48 AND STA. 200+85.90



TYPICAL SECTION
CRANE PAD
(LOCATION TO BE DETERMINED BY ENGINEER IN FIELD)



TANGENT SECTION
STA. 186+51.06 TO STA. 197+57.82
(BASED ON STD. DWG. RD01-TS-5B)



TANGENT SECTION
(BASED ON STD. DWG. RD01-TS-5B)
STA. 181+69.77 TO STA. 186+51.06

SPECIAL NOTE: IF THERE IS A CONFLICT BETWEEN THIS SHEET AND THE STRUCTURAL DRAWINGS, THE STRUCTURAL DRAWINGS SHALL GOVERN UNLESS THE ENGINEER INSTRUCTS OTHERWISE.

R.O.W. PLANS

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

TYPICAL SECTIONS

7/23/2012 7:49:52 AM
p:\2010\I-124 olgiati bridge\design v8\sheets\HT1124_Sheet_002.sht

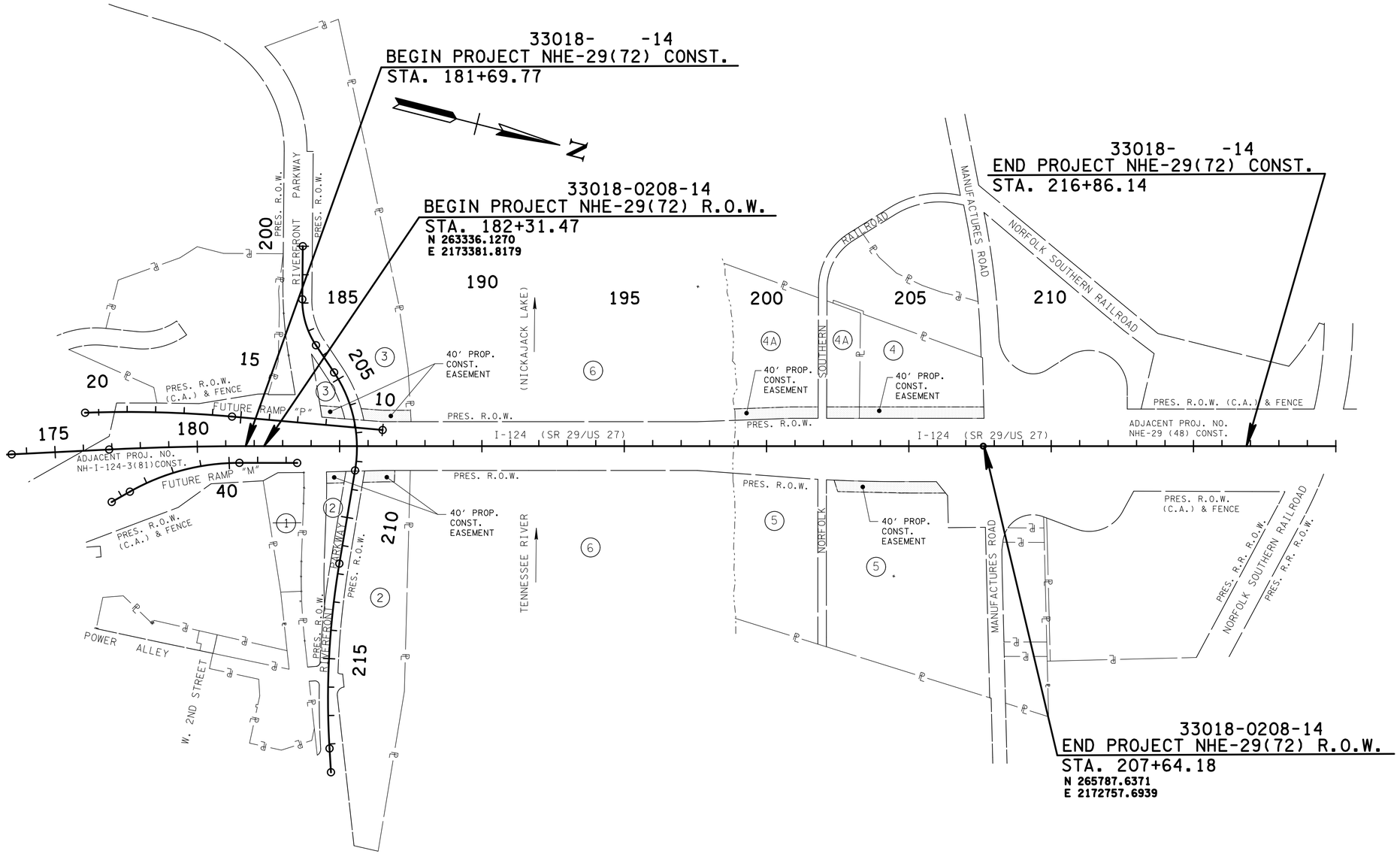
TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	3
CONST.	2013	NHE-29(72)	3

REV. 7-20-12: ADDED TRACT NO. 4A. REMOVED CONSTRUCTION EASEMENT ON TRACT NO. 1. REVISED TOTAL AREA, AREA REMAINING AND CONSTRUCTION EASEMENTS FOR TRACT NO. 4 .

REV. 2-13-13: REVISED CONSTRUCTION EASEMENTS FOR TRACT NOS. 2 AND 5 .

REV. 10-28-13: REVISED CONSTRUCTION EASEMENTS FOR TRACT NOS. 2.



R.O.W. PLANS

R.O.W. ACQUISITION TABLE

TRACT NO.	PROPERTY OWNERS	COUNTY RECORDS				TOTAL AREA ACRES			AREA TO BE ACQUIRED ACRES			AREA REMAINING		EASEMENT (SQUARE FEET)		
		TAX MAP NO.	PARCEL NO.	DEED DOCUMENT BK.	DEED DOCUMENT PAGE	LEFT	RIGHT	TOTAL	LEFT	RIGHT	TOTAL	LEFT	RIGHT	PERM. DRAINAGE	SLOPE	CONST.
~~1~~	~~THE RIVERCITY COMPANY~~	~~135K "A"~~	~~4.04~~	~~5658~~	~~0422~~		~~1.035~~	~~1.035~~					~~1.035~~			
2	THE CITY OF CHATTANOOGA, TENNESSEE	135K "A"	3	2166	0183		4.518	4.518					4.518			6937 (1)
3	MARINE MAX OF TENNESSEE	135N "A"	6	2166	0183	4.427		4.427				4.427				9772(1)
4	J.I.T. TERMINAL, INC.	135J "B"	9.02	5268	121	3.000		3.000				3.000				17504(1)
4A	JIT STEEL SERVICE,INC.	135J "B"	9.01	7337	742	4.000		4.000				4.000				16291 (1)
5	J.I.T. TERMINAL, INC.	135F "H"	1.02	3428	147		8.128	12.128					8.128			14633 (1)
6	NICKAJACK RESERVATION, C/O TVA REALTY SERVICES															

(1) FOR CONSTRUCTION OF CRANE PADS, WORKING ROOM AND EPSC MEASURES

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPERTY MAP AND RIGHT-OF-WAY ACQUISITION TABLE

SCALE: 1"=200'

10/28/2013 9:27:51 AM
P:\2010\I-124 Olgiati Bridge\Design V8\Sheets\HTI124_Sheet_003.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	3A

UTILITY OWNERS

UTILITY	OWNER	PHONE NO.	CONTACT	ADDRESS	CITY	STATE	ZIP CODE
TELEPHONE	BELLSOUTH	(423) 752-9132	JON MOUNTS	300 E. MARTIN LUTHER KING BLVD.	CHATTANOOGA	TN	37403
WATER	TENNESSEE-AMERICAN WATER COMPANY	(423) 755-7617	JOHN WATSON	P.O. BOX 6338, 1101 BROAD ST.	CHATTANOOGA	TN	37401
SEWER	CITY OF CHATTANOOGA	(423) 209-7840	RON LITTLEFIELD	101 E. 11TH STREET, 3RD FL.	CHATTANOOGA	TN	37402
GAS	ATLANTA GAS AND LIGHT CO.	(404) 584-328	BENJAMIN MASSENGILL	10 PEACHTREE PLACE, 11TH FL.	ATLANTA	GA	30309
POWER	CHATTANOOGA ELECTRIC POWER BOARD	(423) 648-3257	DAVID HENDERSON	P.O. BOX 182255	CHATTANOOGA	TN	37422
CABLE TV	COMCAST	(423) 296-2119	VALERIE GILLESPIE	P.O. BOX 182269	CHATTANOOGA	TN	37421

CONTROL POINTS

POINT	NORTH	EAST	ELEV.	STATION	OFFSET
S14 (GPS 33-124-14)	263144.9199	2173554.8799	724.60		
SL3342	263112.3050	2173383.8839			
SL3347	263251.6285	2173295.5422			
2	266239.0810	2172602.2568	686.81	212+40.02	39.25′ (LT)
3	265798.1702	2172566.5456		208+21.55	182.64′ (LT)
29	265884.5126	2173072.5075		207+80.39	328.98′ (RT)

NOTE : SEE PRESENT LAYOUT SHEETS FOR CONTROL POINT LOCATIONS.
LOCATION AND ELEVATION OF CONTROL POINT 2 IS TO BE CHECKED
FOR DISTURBANCE PRIOR TO USING.

RIGHT - OF - WAY NOTES

(1) IT IS INTENDED THAT ALL BUILDINGS AND/OR PORTIONS OF BUILDINGS THAT ARE WITHIN THE PROPOSED RIGHT-OF-WAY AND/OR EASEMENT LINES FOR THE PROJECT BE REMOVED THERE FROM IN THE PROCESS OF RIGHT-OF-WAY ACQUISITION. IF ANY SUCH BUILDINGS OR IMPROVEMENTS ARE NOT REMOVED IN THE COURSE OF RIGHT-OF-WAY ACQUISITION, THE CIVIL ENGINEERING MANAGER 2, DESIGN DIVISION AND THE CIVIL ENGINEERING MANAGER 1, REGIONAL DESIGN OFFICE, ARE TO BE NOTIFIED IN SUFFICIENT TIME TO PERMIT HAVING SUCH REMOVALS DESIGNATED AS A PART OF THE CONSTRUCTION CONTRACT.

(2) ALL RAMPS MUST CONFORM TO THE DEPARTMENT'S " POLICY ON FINANCING CONSTRUCTION OF PUBLIC ROAD INTERSECTIONS AND DRIVEWAYS ON HIGHWAY RESURFACING, RECONSTRUCTION AND CONSTRUCTION PROJECTS ON NEW LOCATIONS " , THE MANUAL ON RULES AND REGULATIONS FOR CONSTRUCTING DRIVEWAYS ON STATE HIGHWAY RIGHT-OF-WAY, STANDARD DRAWING RP-R-1, AND OTHER ACCEPTED DESIGN AND SAFETY STANDARDS.

(3) EXISTING PAVED DRIVEWAY PER TRACT REMAINDER WILL BE REPLACED IN KIND TO A TOUCHDOWN POINT.

(4) ANY NECESSARY PAVING OF DRIVEWAYS WILL BE DONE DURING PAVING OPERATIONS ON THE MAIN ROADWAY.

(5) NEW DRIVEWAYS PROVIDED IN THE PLANS WILL BE PAVED BASED ON THE 7 PERCENT CRITERIA. THOSE 7 PERCENT OR STEEPER IN GRADE WILL BE PAVED AND THOSE FLATTER THAN 7 PERCENT WILL BE COVERED WITH BASE STONE.

(7) ON PROJECTS WITH CURB AND GUTTER THAT ARE ON STATE ROUTES, IT WILL BE THE RESPONSIBILITY OF THE OWNER TO SECURE A PERMIT. AFTER THE PERMIT HAS BEEN GRANTED, THE DEPARTMENT WILL CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE THROUGH THE CURB AND SIDEWALK, PROVIDED THE CURB AND SIDEWALK HAVE NOT BEEN CONSTRUCTED. IT WILL BE THE RESPONSIBILITY OF THE PROPERTY OWNER TO CONSTRUCT THE DRIVEWAY OR FIELD ENTRANCE FROM BACK OF SIDEWALK TO TOUCHDOWN POINT FOR ANY ADDITIONAL DRIVEWAYS OR FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS.

(8) ON NON-STATE ROUTES, ADDITIONAL DRIVEWAYS AND FIELD ENTRANCES OTHER THAN THOSE PROVIDED IN THE PLANS SHALL REQUIRE A PERMIT ONLY IF THE LOCAL AGENCY SPECIFIES THE NEED FOR THAT PERMIT.

(9) EASEMENT REQUIRED FOR THE RAILROAD CROSSING IS TO BE OBTAINED BY THE UTILITES ENGINEER BY PROVISIONS CONTAINED IN THE CROSSING AGREEMENT NEGOTIATED WITH THE RAILROAD.

UTILITY NOTES

1. THE LOCATIONS OF UTILITIES SHOWN WITHIN THESE PLANS ARE APPROXIMATE ONLY. EXACT LOCATIONS SHALL BE DETERMINED IN THE FIELD BY CONTACTING THE UTILITY COMPANIES INVOLVED. NOTIFICATION BY CALLING THE TENNESSEE ONE CALL SYSTEM, INC. AT 1-800-351-1111 AS REQUIRED BY TCA 65-31-106 WILL BE REQUIRED.

2. UNLESS OTHERWISE NOTED, ALL UTILITY ADJUSTMENTS WILL BE PERFORMED BY THE UTILITY OR ITS REPRESENTATIVE. THE CONTRACTOR AND UTILITY OWNERS WILL BE REQUIRED TO COOPERATE WITH EACH OTHER IN ORDER TO EXPEDITE THE WORK REQUIRED BY THIS CONTRACT. ON CONTRACTS WHERE CONSTRUCTION STAKES, LINES, AND GRADES ARE CONTRACT ITEMS, THE CONTRACTOR WILL BE REQUIRED TO PROVIDE RIGHT-OF-WAY OR SLOPE STAKES, DITCH OR STREAM BED GRADES, OR OTHER ESSENTIAL SURVEY STAKING TO PREVENT CONFLICTS WITH THE HIGHWAY CONSTRUCTION. FREQUENTLY, THIS WILL BE REQUIRED AS THE FIRST ITEM OF WORK AND AT ANY LOCATION ON THE PROJECT DIRECTED BY THE ENGINEER.

3. THE CONTRACTOR WILL PROVIDE ALL NECESSARY PROTECTIVE MEASURES TO SAFEGUARD EXISTING UTILITIES FROM DAMAGE DURING CONSTRUCTION OF THIS PROJECT. IN THE EVENT THAT SPECIAL EQUIPMENT IS REQUIRED TO WORK OVER AND AROUND THE UTILITIES, THE CONTRACTOR WILL BE REQUIRED TO FURNISH SUCH EQUIPMENT. THE COST OF PROTECTING UTILITIES FROM DAMAGE AND FURNISHING SPECIAL EQUIPMENT WILL BE INCLUDED IN THE PRICE BID FOR OTHER ITEMS OF CONSTRUCTION.

4. PRIOR TO SUBMITTING HIS BID, THE CONTRACTOR WILL BE SOLELY RESPONSIBLE FOR CONTACTING OWNERS OF ALL AFFECTED UTILITIES IN ORDER TO DETERMINE THE EXTENT TO WHICH UTILITY RELOCATIONS AND/OR ADJUSTMENTS WILL HAVE UPON THE SCHEDULE OF WORK FOR THE PROJECT. WHILE SOME WORK MAY BE REQUIRED AROUND UTILITY FACILITIES THAT WILL REMAIN IN PLACE, OTHER UTILITY FACILITIES MAY NEED TO BE ADJUSTED CONCURRENTLY WITH THE CONTRACTOR'S OPERATIONS. ADVANCE CLEAR CUTTING MAY BE REQUIRED BY THE ENGINEER AT ANY LOCATION WHERE CLEARING IS CALLED FOR IN THE SPECIFICATIONS AND CLEAR CUTTING IS NECESSARY FOR A UTILITY RELOCATION. ANY ADDITIONAL COST WILL BE INCLUDED IN THE UNIT PRICE BID FOR THE CLEARING ITEM SPECIFIED IN THE PLANS.

5. THE CONTRACTOR SHALL NOTIFY EACH INDIVIDUAL UTILITY OWNER OF HIS PLAN OF OPERATION IN THE AREA OF THE UTILITIES. PRIOR TO COMMENCING WORK, THE CONTRACTOR SHALL CONTACT THE UTILITY OWNERS AND REQUEST THEM TO PROPERLY LOCATE THEIR RESPECTIVE UTILITY ON THE GROUND. THIS NOTIFICATION SHALL BE GIVEN AT LEAST THREE (3) BUSINESS DAYS PRIOR TO COMMENCEMENT OF OPERATIONS AROUND THE UTILITY IN ACCORDANCE WITH TCA 65-31-106.

R.O.W. PLANS

SEALED BY

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

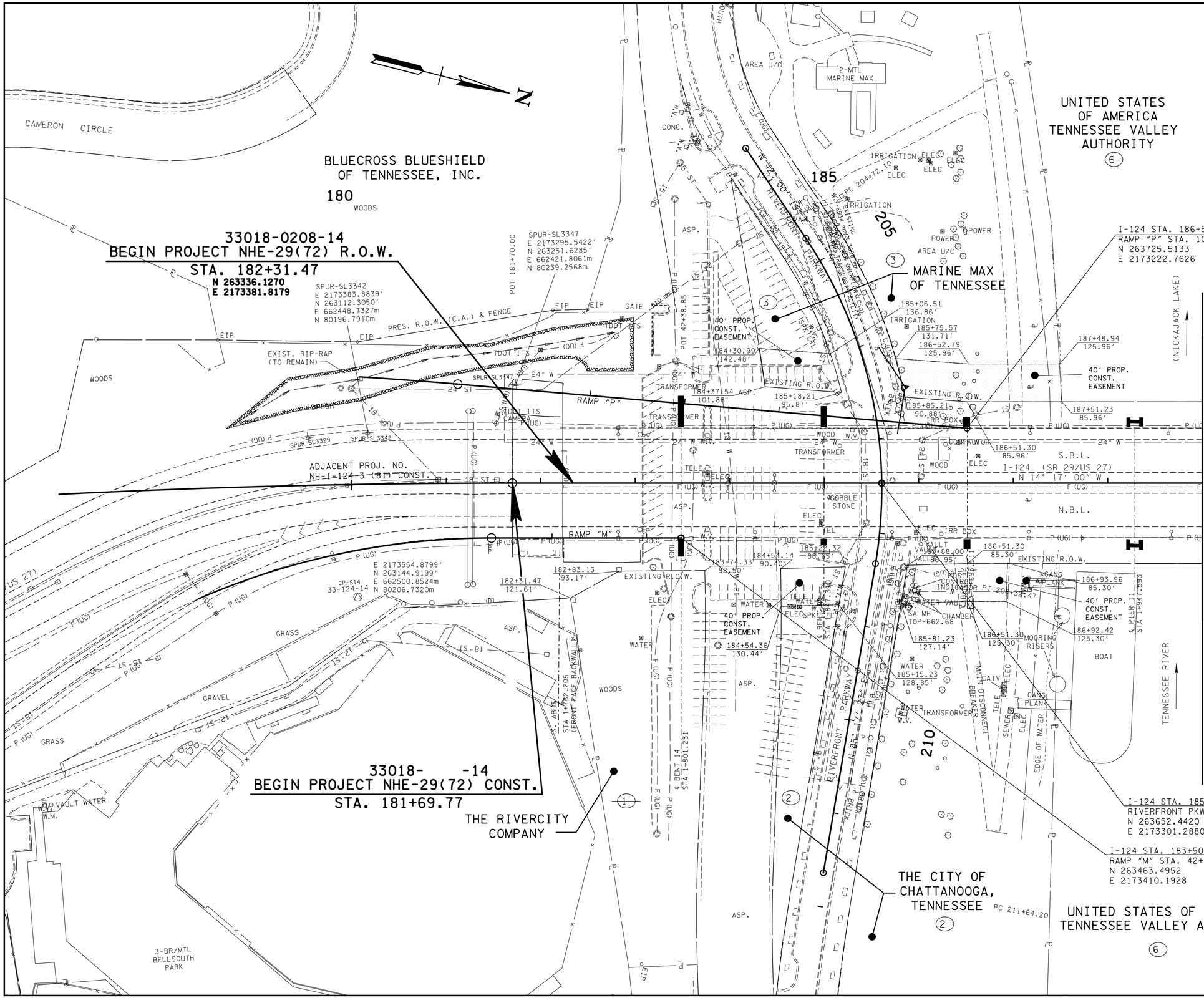
R.O.W. NOTES,
UTILITY NOTES,
UTILITY OWNERS
AND
CONTROL POINTS

7/23/2012 7:49:58 AM
p:\2010\1-124 olgatt bridge\design v8\sheets\HTI24_Sheet_003A.sht

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	4
CONST.	2013	NHE-29(72)	4

REV. 7-20-12 : UPDATED FIRE SUPPRESSION LINE TO RIVERBOAT AND UPDATED TOPO TO RIVERBOAT. REMOVED CONSTRUCTION EASEMENT OFF TRACT NO. 1.

REV. 10-28-13 : REVISED CONSTRUCTION EASEMENT ON TRACT NO. 2. ADDED NOTE STATING CITY OF CHATTANOOGA & SOUTHERN BELL SHOULD EXPECT TEMPORARY CLOSURES PERIODICALLY DURING CRANE USE FOR SAFETY PURPOSES.THEY WILL BE NOTIFIED IN ADVANCE OF SAID WORK.



NOTE:
CITY OF CHATTANOOGA & SOUTHERN BELL SHOULD EXPECT TEMPORARY CLOSURES PERIODICALLY DURING CRANE USE FOR SAFETY PURPOSES.THEY WILL BE NOTIFIED IN ADVANCE OF SAID WORK.

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

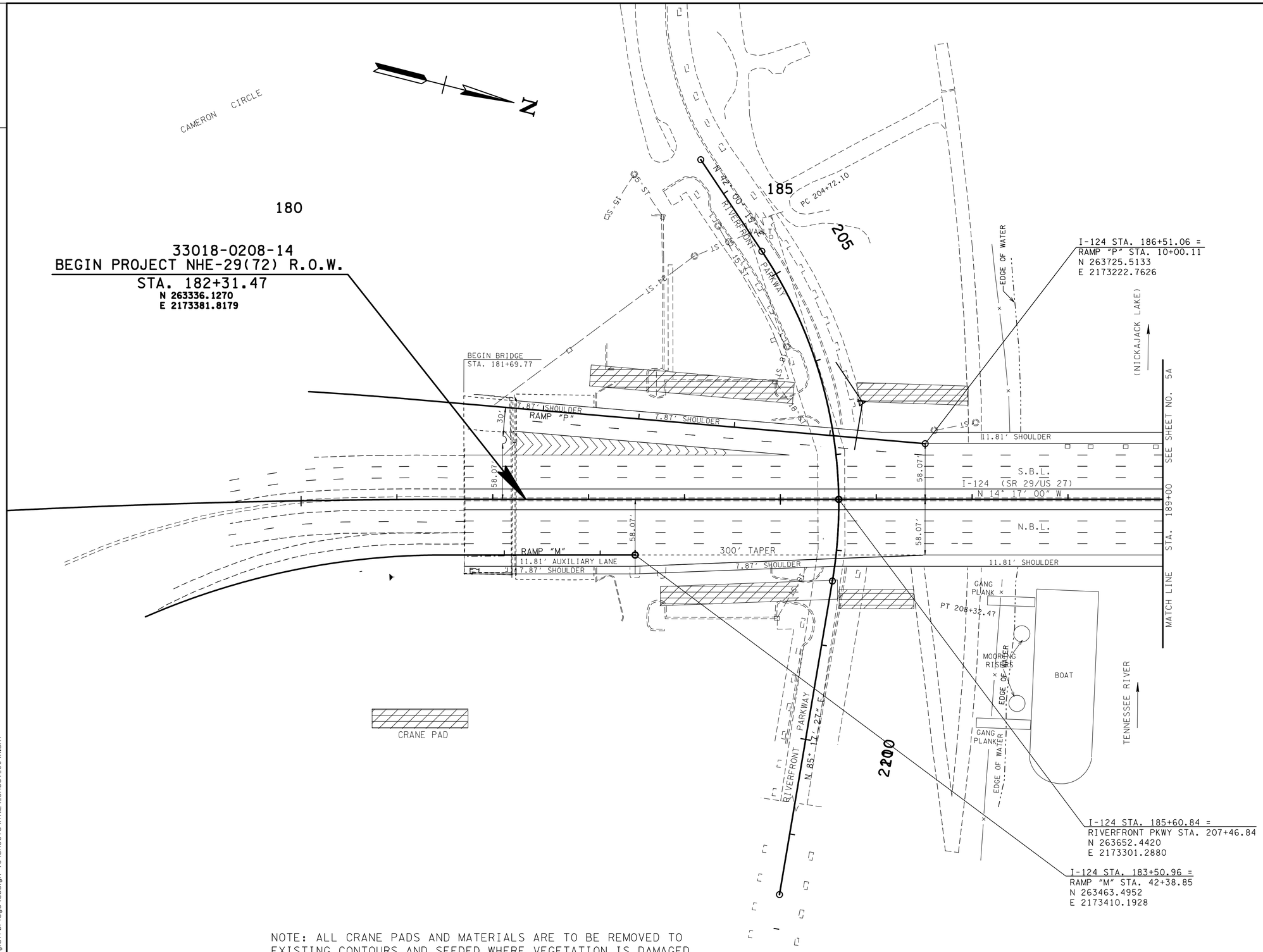
STA.180+00.00 TO STA.189+00

SCALE: 1"= 50'

10/28/2013 9:19:30 AM
P:\2010\I-124 Olgiati Bridge\Design V8\Sheets\HTI24.Sheet.004.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	4A



NOTE: ALL CRANE PADS AND MATERIALS ARE TO BE REMOVED TO EXISTING CONTOURS AND SEEDED WHERE VEGETATION IS DAMAGED DUE TO CONSTRUCTION OF CRANE PADS.

R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA.180+00.00 TO STA.189+00

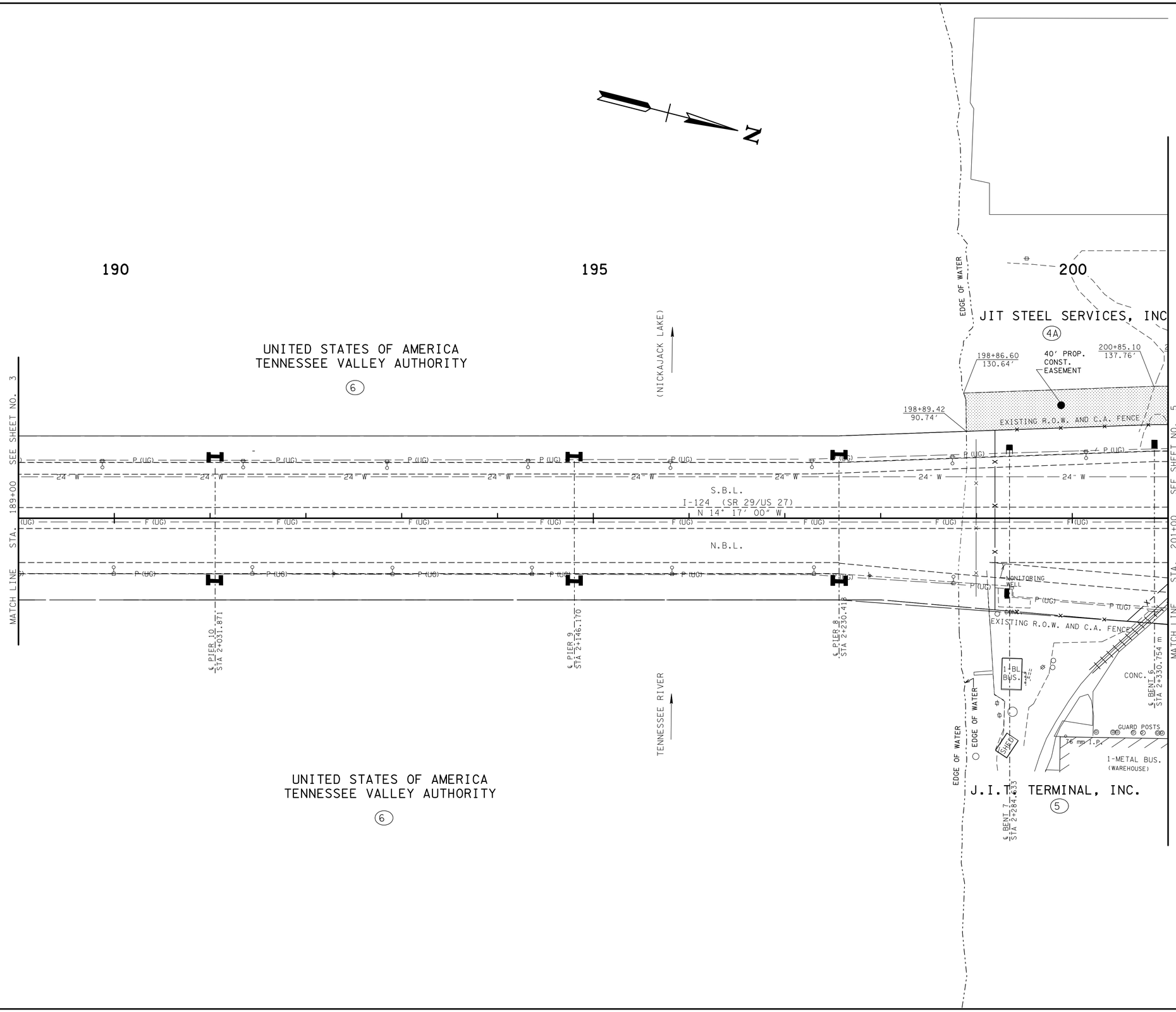
SCALE: 1"= 50' HORIZ.

7/23/2012 7:50:03 AM
p:\2010\I-124 olgatti bridge\design v8\sheets\HTI124_Sheet_004A.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	5

REV. 7-20-12 : ADDED TRACT TRACT NO. 4A.



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

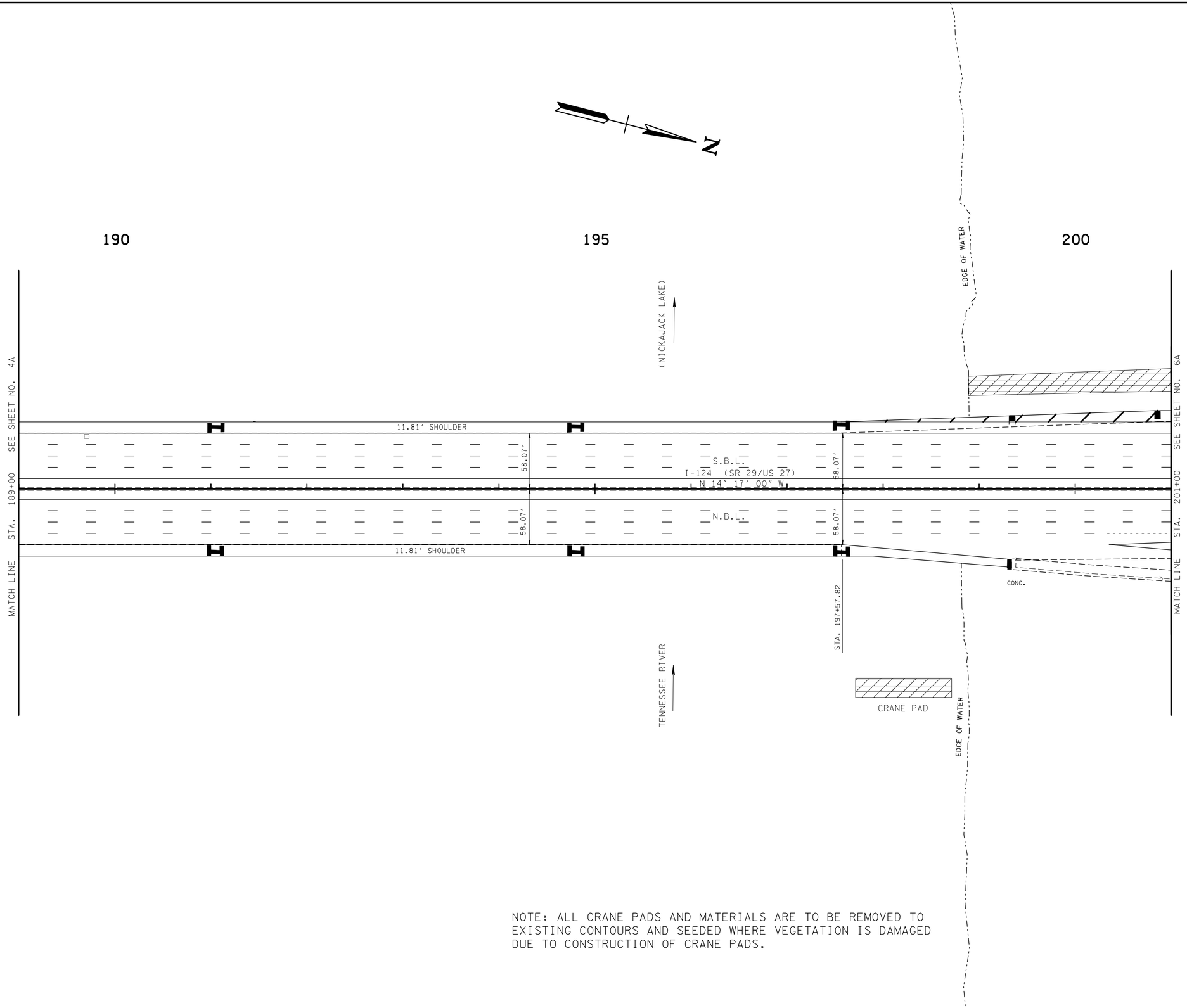
STA. 189+00 TO STA. 201+00

SCALE: 1"= 50'

7/23/2012 7:50:04 AM
p:\2010\I-124 olgatti bridge\design v8\sheets\HTI124_Sheet_005.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	5A



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 189+00 TO STA. 201+00

SCALE: 1"= 50' HORIZ.

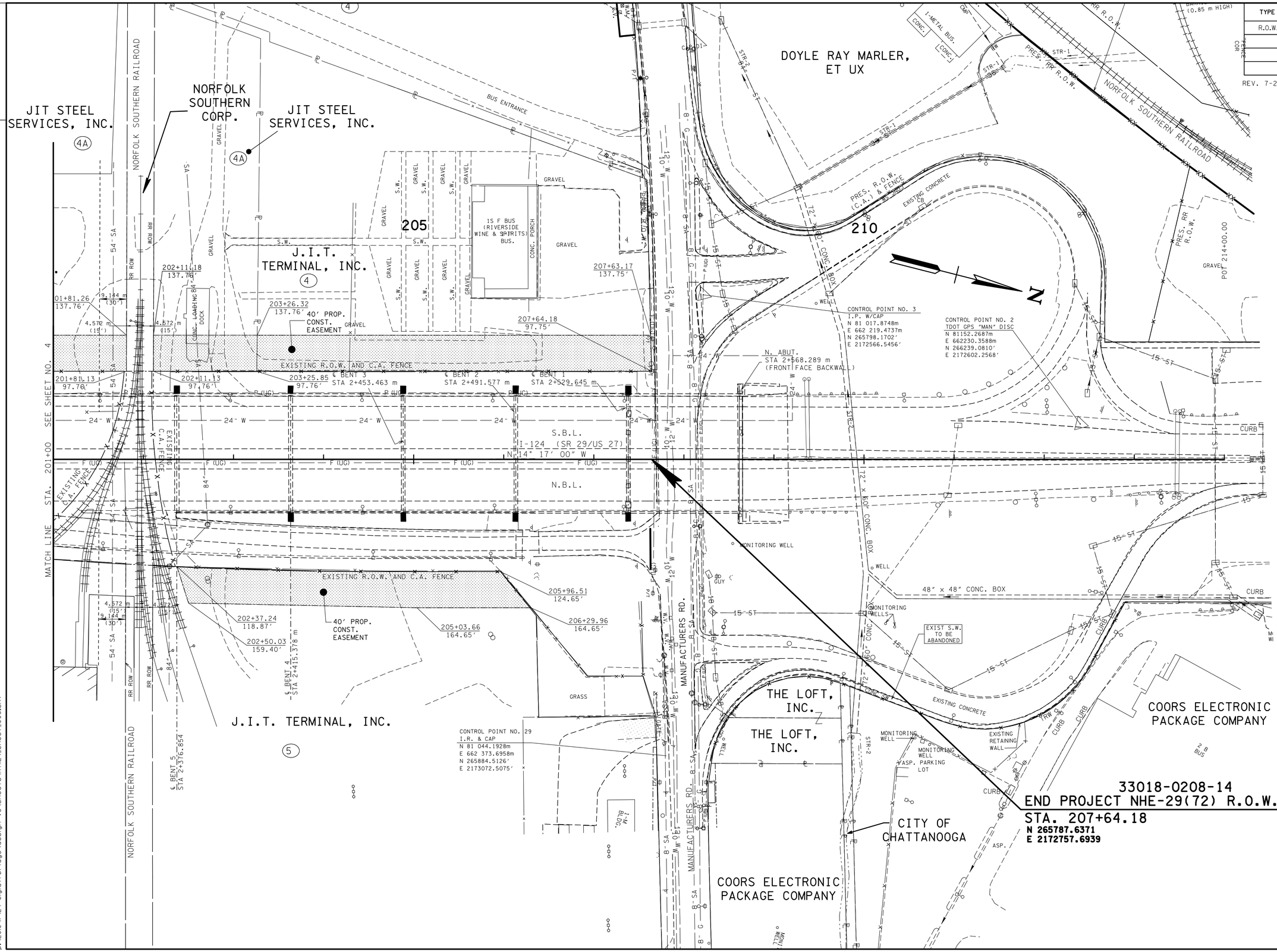
NOTE: ALL CRANE PADS AND MATERIALS ARE TO BE REMOVED TO EXISTING CONTOURS AND SEEDED WHERE VEGETATION IS DAMAGED DUE TO CONSTRUCTION OF CRANE PADS.

7/23/2012 7:50:05 AM
p:\2010\I-124 oiglat bridge\design v8\sheets\HTI124_Sheet_005A.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	6

REV. 7-20-12 : ADDED TRACT TRACT NO. 4A.



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PRESENT LAYOUT

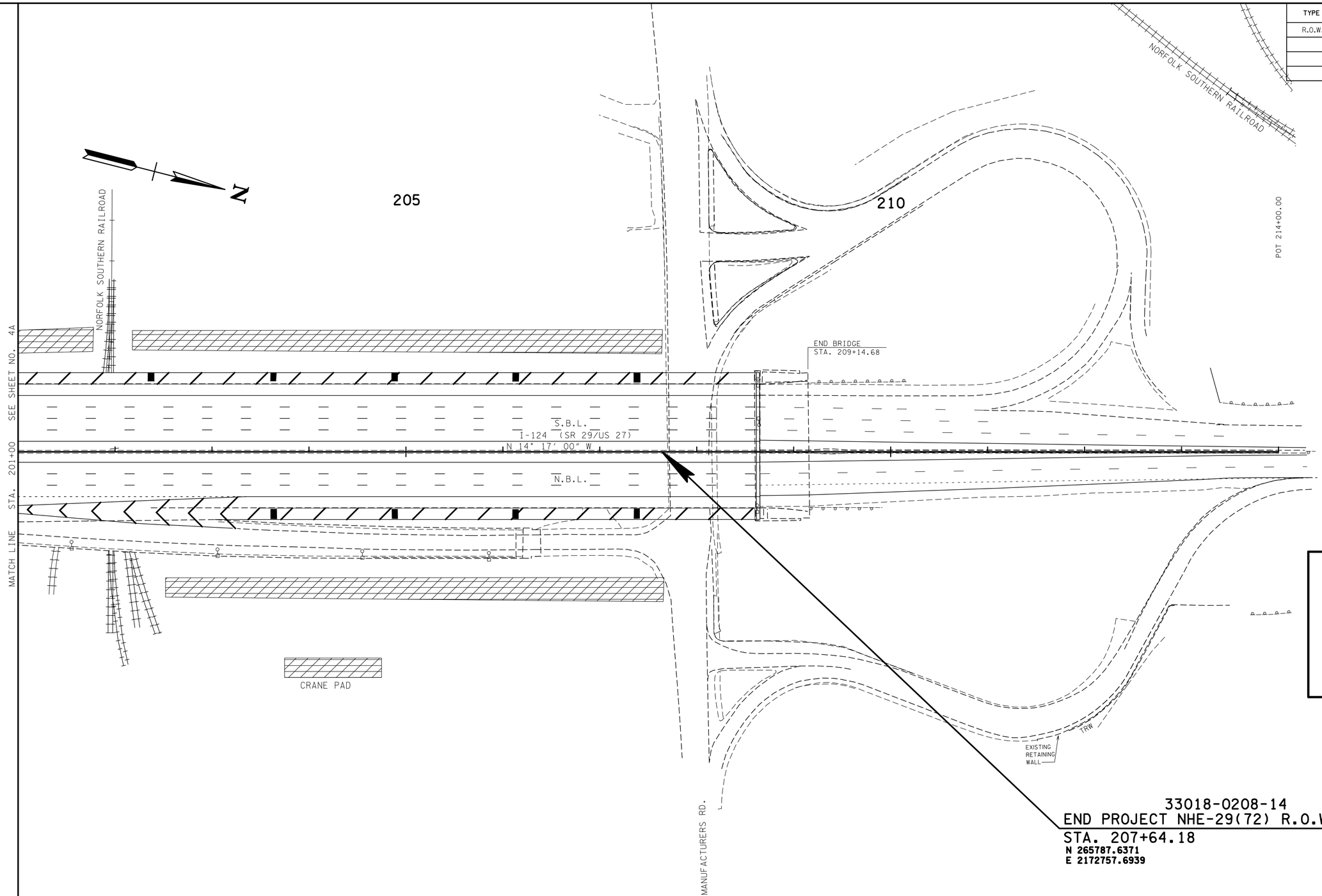
STA. 201+00 TO STA. 207+64.18

SCALE: 1" = 50'

7/23/2012 7:50:07 AM
p:\2010\I-124 olglati bridge\design v8\sheets\HTI124_Sheet_006.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	6A



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

PROPOSED LAYOUT

STA. 201+00 TO STA. 207+64.18

SCALE: 1"= 50' HORIZ.

NOTE: ALL CRANE PADS AND MATERIALS ARE TO BE REMOVED TO EXISTING CONTOURS AND SEEDED WHERE VEGETATION IS DAMAGED DUE TO CONSTRUCTION OF CRANE PADS.

7/23/2012 7:50:11 AM
p:\2010\I-124 olgiatl bridge\design v8\sheets\HT1124_Sheet_006A.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	7

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

STREAM/WETLAND

(1) ANY WORK WITHIN THE STREAM CHANNEL AREA (E.G., FOR PIER FOOTING, RIP-RAP PLACEMENT, MULTI-BARREL CULVERT/BRIDGE CONSTRUCTION, ETC.) SHALL BE SEPARATED FROM FLOWING WATER OR EXPECTED FLOW PATH AND PERFORMED DURING LOW FLOW CONDITIONS. ALL ITEMS USED WITHIN THE STREAM CHANNEL AREA FOR DIVERSION OF FLOW (OR EXPECTED FLOW), UNLESS SPECIFIED IN THE PLANS, SHALL NOT BE PAID FOR DIRECTLY BUT SHALL BE INCLUDED IN THE COST OF OTHER ITEMS. THIS NOTE EXCLUDES ANY ITEMS SPECIFIED IN THE PLANS FOR THE TEMPORARY DIVERSION CHANNELS, EC-STR-31 AND TEMPORARY DIVERSION CULVERTS, EC-STR-32 FOR SINGLE BARREL CULVERT CONSTRUCTION.

HIGH QUALITY WATERS

(2) FOR PROJECTS THAT DISCHARGE INTO HIGH QUALITY WATERS OR WATERS IMPAIRED BY SILTATION, AN OUTFALL IN A DRAINAGE AREA OF 5 ACRES OR MORE, A TEMPORARY (OR PERMANENT) SEDIMENT BASIN THAT PROVIDES STORAGE FOR A CALCULATED VOLUME OF RUNOFF FROM A 5-YEAR/ 24-HOUR STORM EVENT AND RUNOFF FROM EACH ACRE DRAINED, OR EQUIVALENT CONTROL MEASURES, SHALL BE PROVIDED UNTIL FINAL STABILIZATION OF THE SITE. THE ENVIRONMENTAL AND DESIGN DIVISIONS MAY BE CONTACTED TO REVIEW AND CONCUR WITH ANY REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE OUTFALL PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT.

(3) FOR PROJECTS THAT DISCHARGE INTO HIGH QUALITY WATERS OR WATERS IMPAIRED BY SILTATION, A 60 FOOT NATURAL RIPARIAN BUFFER ZONE ADJACENT TO AND ON BOTH SIDES OF THE RECEIVING STREAM WITH THIS DESIGNATION SHALL BE PRESERVED, TO THE MAXIMUM EXTENT PRACTICABLE, DURING CONSTRUCTION ACTIVITIES AT THE SITE. BUFFER ZONES ARE NOT SEDIMENT CONTROL MEASURES AND SHOULD NOT BE RELIED UPON AS PRIMARY SEDIMENT CONTROL MEASURES. THE RIPARIAN BUFFER ZONE SHALL BE ESTABLISHED BETWEEN THE TOP OF THE STREAM BANK AND THE DISTURBED CONSTRUCTION AREA. THE 60 FOOT CRITERION FOR THE WIDTH OF THE BUFFER ZONE CAN BE ESTABLISHED ON AN AVERAGE WIDTH BASIS AT A PROJECT, AS LONG AS THE MINIMUM WIDTH OF THE BUFFER ZONE IS MORE THAN 25 FEET AT ANY MEASURED LOCATION. EVERY ATTEMPT SHALL BE MADE FOR CONSTRUCTION ACTIVITIES NOT TO TAKE PLACE WITHIN THE BUFFER ZONES. BEST MANAGEMENT PRACTICES (BMPS) PROVIDING EQUIVALENT PROTECTION AS THE NATURAL RIPARIAN ZONE MAY BE USED. A JUSTIFICATION FOR USE AND DESIGN EQUIVALENCY SHALL BE DOCUMENTED WITHIN THE SWPPP. THE ENVIRONMENTAL AND DESIGN DIVISIONS SHALL REVIEW AND APPROVE THIS REVISION OF THE SWPPP BEFORE DISTURBANCE OF THE SITE PROCEEDS, UNLESS PREVIOUSLY EXEMPT IN THE NPDES CONSTRUCTION GENERAL PERMIT. WHERE ISSUED, ARAP/401 REQUIREMENTS WILL PREVAIL IF IN CONFLICT WITH THESE BUFFER ZONE REQUIREMENTS.

NPDES

(4) NO WORK SHALL BE STARTED UNTIL THE CONTRACTOR'S PLAN FOR THE STAGING OF THEIR OPERATIONS, INCLUDING THE PLAN FOR STAGING OF TEMPORARY AND PERMANENT EPSC MEASURES, HAS BEEN ACCEPTED BY THE ENGINEER. THE CONTRACTOR'S EPSC PLAN SHALL INCORPORATE AND SUPPLEMENT, AS ACCEPTABLE, THE BASIC EPSC DEVICES ON THE EPSC PLAN CONTAINED IN THE APPROVED SWPPP.

(5) THE EPSC MEASURES AND/OR PLAN SHALL BE MODIFIED AS NECESSARY SO THAT THEY ARE EFFECTIVE AT ALL TIMES THROUGHOUT THE COURSE OF THE PROJECT.

(6) THE ACCEPTED EPSC PLAN SHALL REQUIRE THAT EPSC MEASURES BE IN PLACE BEFORE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OCCURS, EXCEPT AS SUCH WORK MAY BE NECESSARY TO INSTALL EPSC MEASURES, INCLUDING WITHOUT LIMITATION AS FOLLOWS:

A. INITIAL CLEARING AND GRUBBING SHALL BE LIMITED TO THAT NECESSARY FOR THE INSTALLATION OF APPLICABLE EPSC MEASURES IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

B. NO OTHER CLEARING AND GRUBBING OPERATIONS SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

C. NO CULVERT OR BRIDGE CONSTRUCTION SHALL BE STARTED BEFORE APPLICABLE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

D. NO GRADING, EXCAVATION, CUTTING, FILLING, OR OTHER EARTHWORK SHALL BE STARTED BEFORE EPSC MEASURES ARE IN PLACE IN ACCORDANCE WITH THE ACCEPTED EPSC PLAN INCORPORATED INTO THE SWPPP.

(7) PERMANENT EPSC MEASURES SHALL BE INITIATED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING OF ANY SEQUENCE OR PHASE. TEMPORARY OR PERMANENT STABILIZATION SHALL BE INITIATED WITHIN 15 CALENDAR DAYS AFTER FINAL GRADING OR WHEN CONSTRUCTION ACTIVITIES ON A PORTION OF THE SITE ARE TEMPORARILY CEASED AND EARTH DISTURBING ACTIVITIES WILL NOT RESUME UNTIL AFTER 15 CALENDAR DAYS. PERMANENT STABILIZATION WITH PERENNIAL VEGETATION OR OTHER PERMANENTLY STABLE NON-ERODING SURFACE SHALL REPLACE ANY TEMPORARY MEASURES AS SOON AS PRACTICABLE. UNPACKED GRAVEL CONTAINING FINES (SILT AND CLAY SIZED PARTICLES) OR CRUSHER RUNS WILL NOT BE CONSIDERED A NON-ERODIBLE SURFACE.

(8) EXCEPT AS OTHERWISE SPECIFIED, THERE ARE NO KNOWN SPECIAL ENVIRONMENTAL FACTORS PRESENT ON THIS PROJECT THAT INDICATE A NEED FOR SEASONAL LIMITATIONS ON THE CLEARING, GRUBBING, EXCAVATION, GRADING, CUTTING OR FILLING OPERATIONS OR ON THE TOTAL AREA OF EXPOSED SOIL. REFER TO THE EROSION PREVENTION AND SEDIMENT CONTROL PLAN, SHEET ___, FOR NOTES REGARDING SEASONAL WORK LIMITATION OR LIMITATION ON THE TOTAL AREA OF EXPOSED SOIL.

UTILITY RELOCATION

(9) RAIN WATER WHICH COLLECTS IN THE UTILITY TRENCH SHALL BE PUMPED INTO A DEWATERING STRUCTURE OR SEDIMENT FILTER BAG AND MAINTAINED.

(10) SILT FENCE SHALL BE INSTALLED ON THE DOWNSTREAM SIDE OF STOCKPILED SOIL. TRENCHING ACROSS WET WEATHER CONVEYANCES SHALL BE DONE DURING NO FLOW CONDITIONS AND STABILIZED BY THE END OF THE WORK DAY.

(11) UTILITY CROSSINGS FOR PERENNIAL STREAMS SHALL BE CONSTRUCTED IN ACCORDANCE WITH TDOT STANDARDS AND NO WORK SHALL BE CONDUCTED IN FLOWING WATERS. TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO UTILITIES IN THIS PROJECT IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC). THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTION PREVENTION PLANS (SWPPP).

(12) IT IS THE RESPONSIBILITY OF THE STATE UTILITY CONTRACTOR INSTALLER TO PROTECT FROM EROSION EXPOSED EARTH RESULTING FROM THEIR OPERATIONS AND TO PROVIDE FOR CONTAINMENT OF SEDIMENT THAT MAY RESULT FROM THEIR WORK. PRIOR TO BEGINNING WORK, ADEQUATE MEASURES MUST BE IN PLACE TO TRAP ANY SEDIMENT THAT MAY TRAVEL OFF-SITE IN THE EVENT OF RAIN. DURING THE PROGRESSION OF THEIR WORK, EXPOSED EARTH AREAS SHALL BE STABILIZED AS SOON AS POSSIBLE TO PREVENT EROSION. AT NO TIME SHALL EXPOSED EARTH RESULTING FROM THEIR OPERATIONS HAVE UNPROTECTED ACCESS TO FLOWING OFF-SITE AND ENTERING WATERS OF THE STATE/U.S.

(13) FOR THE INSTALLATION OF BURIED UTILITIES (PIPES AND CABLES), TRENCHES SHALL BE BACKFILLED DAILY AS CONSTRUCTION PROCEEDS. BACKFILLED TRENCHES SHALL BE SEEDED AND MULCHED OR SODDED DAILY IF POSSIBLE, BUT NO LATER THAN SEVEN DAYS AFTER BEING BACKFILLED. ANY TEMPORARY SPOIL OF EXCAVATED EARTH SHALL BE LOCATED WITHIN TDOT EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES OR RECEIVE SEPARATE EPSC MEASURES. IF TRENCHES ARE NOT BACKFILLED OVERNIGHT, APPROPRIATE EPSC MEASURES WILL BE INSTALLED BY THE STATE UTILITY CONTRACTOR UNTIL SUCH TIME AS THE TRENCH IS BACKFILLED.

(14) IN REGARD TO EROSION PREVENTION AND SEDIMENT CONTROL (EPSC), TENNESSEE DEPARTMENT OF ENVIRONMENT AND CONSERVATION (TDEC) REGULATIONS APPLY TO THE STATE UTILITY CONTRACTORS IN THIS PROJECT, THEREFORE, THE STATE CONTRACTOR SHALL COMPLY WITH ALL REQUIREMENTS OF THE STORM WATER POLLUTIONS PREVENTION PLANS (SWPPP). THE STATE CONTRACTOR IS RESPONSIBLE FOR EPSC MEASURES RELATED TO UTILITY CONSTRUCTION INCLUDED IN THE STATE CONTRACT WORK.

(15) TRENCHES FORMED FOR THE INSTALLATION OF BURIED UTILITIES MAY CAUSE STORM WATER RUNOFF TO CONCENTRATE AT THE TRENCH LINE. ADDITIONAL EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES MAY BE REQUIRED TO BE INSTALLED AS APPROVED BY THE TDOT PROJECT ENGINEER.

(16) FOR THE INSTALLATION OF UNDERGROUND UTILITIES OUTSIDE OF THE TDOT RIGHT-OF-WAY, EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) SHALL BE INSTALLED PRIOR TO CLEARING (TRENCHING AND ASSOCIATED BLASTING) IN THOSE AREAS NECESSARY TO PREVENT SEDIMENT FROM LEAVING THE CONSTRUCTION AREA. THESE EPSC MEASURES SHALL REMAIN UNTIL THE BACKFILLED TRENCH IS STABILIZED WITH FINAL VEGETATIVE COVER.

(17) THE UTILITY CONTRACTOR SHALL RESTORE ALL AFFECTED WET WEATHER CONVEYANCES TO THE EXISTING TOPOGRAPHIC CONDITIONS (AS APPROVED BY THE TDOT PROJECT ENGINEER).

(18) THE UTILITY CONTRACTOR WILL PROVIDE APPROPRIATE EROSION PREVENTION AND SEDIMENT CONTROL (EPSC) MEASURES TO REPLACE IN-PLACE EPSC MEASURES REMOVED TO FACILITATE THE INSTALLATION OF UTILITIES. REPLACEMENT OF EPSC MEASURES WILL BE COORDINATED WITH THE TDOT PROJECT ENGINEER BEFORE COMMENCING WORK.

LITTER, DEBRIS, WASTE, PETROLEUM

(19) THE CONTRACTOR SHALL MAINTAIN A COMPLETE AND COMPREHENSIVE EROSION PREVENTION AND SEDIMENT CONTROL PLAN TO PREVENT ROADWAY AND/OR CONSTRUCTION SEDIMENT OR DEBRIS AND ANY PETROLEUM BASED PRODUCTS OR CHLORINATED SOLVENTS, PAINTS OR COATINGS ETC. FROM FALLING ONTO THE RAILROAD'S RIGHTS-OF-WAY AND/OR FROM ENTERING THE DRAINAGE DITCHES OR DRAINAGE STRUCTURES OF THE RAILROAD, AND ANY SEDIMENT OR DEBRIS OR PETROLEUM BASED PRODUCTS OR CHLORINATED SOLVENTS, ETC. THAT DO ENTER SUCH DRAINAGE AREAS OF THE RAILROAD'S RIGHTS-OF-WAY ARE TO BE REMOVED IN ACCORDANCE WITH RULES SET FORTH BY NORFOLK SOUTHERN RAILROAD AND AT THE CONTRACTOR'S EXPENSE.

EROSION PREVENTION AND SEDIMENT CONTROL LEGEND

SYMBOL	ITEM	STD. DWG.
* SFB * SFB * SFB *	SILT FENCE WITH WIRE BACKING	EC-STR-3C
** SOCK ** SOCK **	FILTER SOCK	EC-STR-8
TCE	TEMPORARY CONSTRUCTION EXIT	EC-STR-25
** TUBE ** TUBE **	SEDIMENT TUBE	EC-STR-37
3	CURB INLET PROTECTION (TYPE 3)	EC-STR-39A

EROSION PREVENTION AND SEDIMENT CONTROL QUANTITIES

ITEM NO.	DESCRIPTION	UNIT	QUANTITY
209-05	SEDIMENT REMOVAL	C.Y.	20
209-03.21	FILTER SOCK (12 INCH)	L.F.	210
209-08.02	TEMPORARY SILT FENCE (WITH BACKING)	L.F.	3255
209-09.42	CURB INLET PROTECTION (TYPE III)	EACH	2
740-11.02	SEDIMENT TUBE (12 INCH)	L.F.	1445

R.O.W. PLANS

SEALED BY

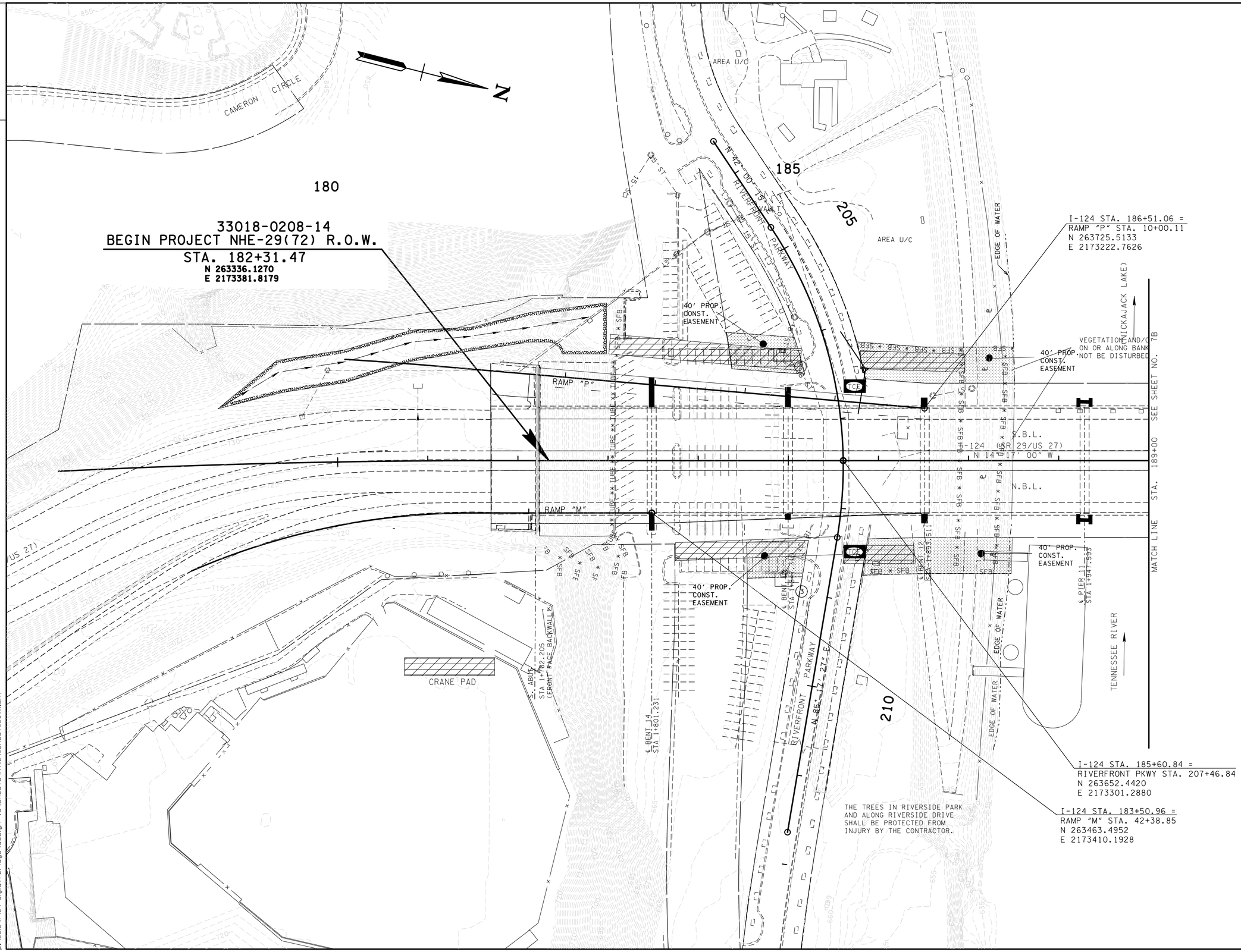
STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL NOTES

7/23/2012 7:50:12 AM
p:\2010\1-124 alglat bridge\design v8\sheets\HTI124_Sheet_007.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	7A



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

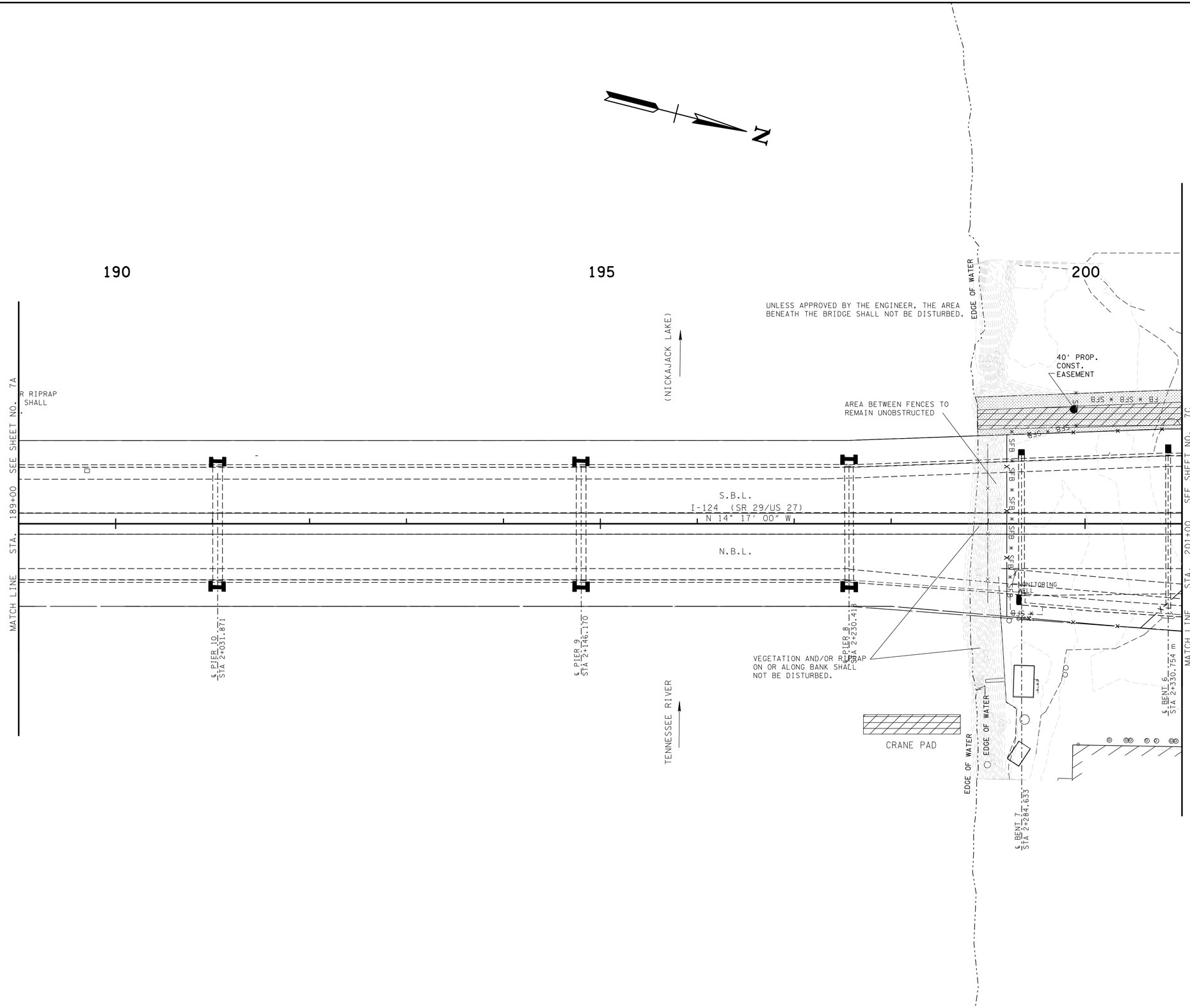
STA.180+00.00 TO STA.189+00

SCALE: 1"= 50'

7/23/2012 7:50:15 AM
pw:\2010\I-124 olglat\bridge\design v8\sheets\HTI124_Sheet_007A.sht

TENNESSEE D.O.T.	DESIGN DIVISION	FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	7B



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

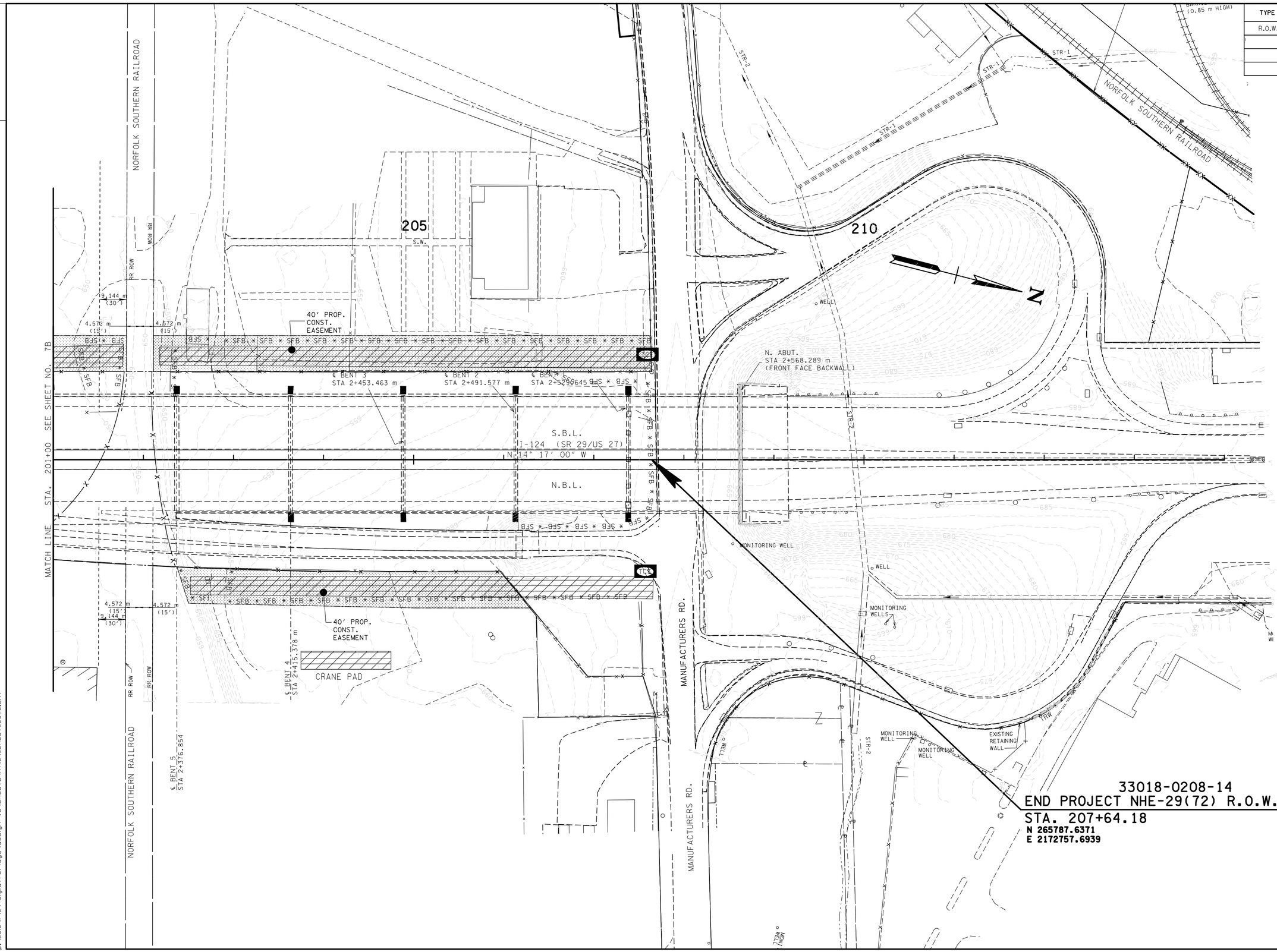
STA. 189+00 TO STA. 201+00

SCALE: 1"= 50'

7/23/2012 7:50:20 AM
p:\2010\I-124 olgiati bridge\design v8\sheets\HT1124_Sheet_007B.sht

TENNESSEE D.O.T.
DESIGN DIVISION
FILE NO.

TYPE	YEAR	PROJECT NO.	SHEET NO.
R.O.W.	2011	NHE-29(72)	7C



R.O.W. PLANS

SEALED BY

COORDINATES ARE NAD/83(1995), ARE DATUM ADJUSTED BY THE FACTOR OF 0.99999 AND TIED TO THE TGRN. ALL ELEVATIONS ARE REFERENCED TO THE NAVD 1988.

STATE OF TENNESSEE
DEPARTMENT OF TRANSPORTATION

EROSION PREVENTION AND SEDIMENT CONTROL PLAN

STA. 201+00 TO STA. 207+64.18

SCALE: 1"= 50'

7/23/2012 7:50:23 AM
p:\2010\I-124 olgiati bridge\design v8\sheets\HTI124_Sheet_007C.sht