STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	WBS-39759	1	25

STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION

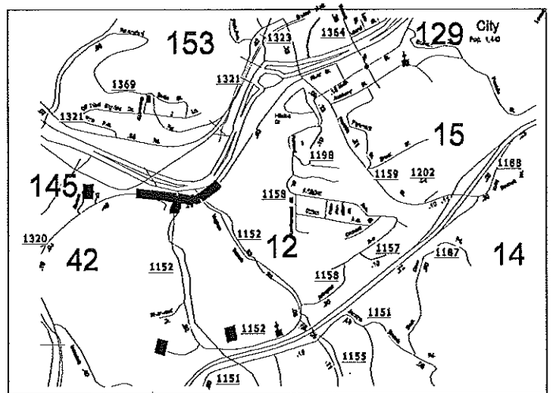
STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

SWAIN COUNTY

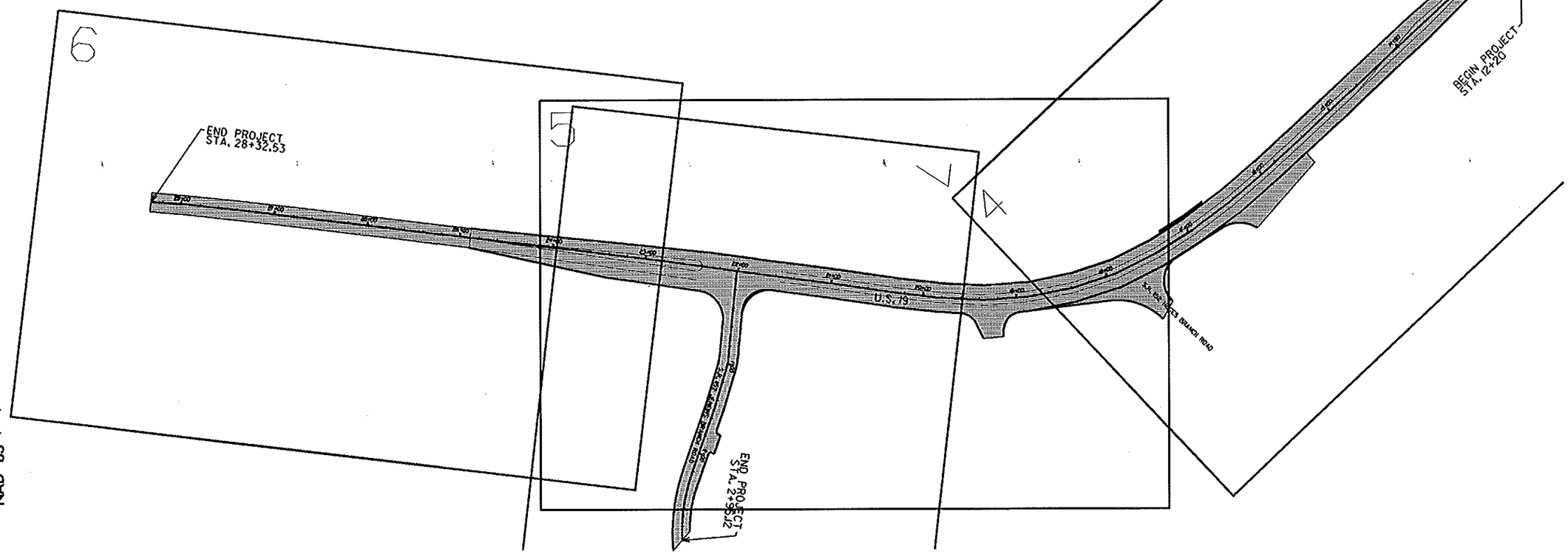
LOCATION: U.S. 19, FROM 3,250' SOUTHWEST OF VETERAN'S BLVD TO 4,862.5' SOUTHWEST OF VETERAN'S BLVD, IN BRYSON CITY, NC

TYPE OF WORK: GRADING, PAVING, DRAINAGE

See Sheet 1-A For Index of Sheets



VICINITY MAP



TIP PROJECT: WBS-39759

CONTRACT: DN00094

GRAPHIC SCALES

20 10 0 20 40
PLANS

0
PROFILE (HORIZONTAL)

0
PROFILE (VERTICAL)

DESIGN DATA

PROJECT LENGTH

-L- LINE: 1,612.53'
-Y- LINE: 295.12'

Prepared In the Office of:
DIVISION OF HIGHWAYS
178 Henry Bird Road, Whittier, NC 28789

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:

Jonathan L. Woodard, P.E.
PROJECT ENGINEER

Jeffrey E. Alspaugh, E. I.
PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: *P.E.*

ROADWAY DESIGN ENGINEER

SIGNATURE: *P.E.*

STATE OF NORTH CAROLINA · DEPARTMENT OF TRANSPORTATION

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PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	1-A

ROADWAY DESIGN ENGINEER

INDEX OF SHEETS

SHEET NUMBER	SHEET
1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES, AND LIST OF STANDARD DRAWINGS
1-B	CONVENTIONAL SYMBOLS
2	PAVEMENT SCHEDULE, TYPICAL SECTIONS, AND WEDGING DETAILS
3	SUMMARY OF QUANTITIES
~~3A~~	~~SUMMARY OF DRAINAGE QUANTITIES SUMMARY OF GUARDRAIL, EARTHWORK SUMMARY, AND ASPHALT PAVEMENT REMOVAL SUMMARY~~
4 THRU 7	PLAN SHEET
	~~PROFILE SHEET~~
TCP-1 THRU TCP-3	TRAFFIC CONTROL PLANS
PM-1 THRU PM-4	PAVEMENT MARKING PLANS
~~L-1 THRU L~~	~~LANDSCAPE PLANS~~
~~RF-1 THRU RF~~	~~REFORESTATION PLANS~~
EC-1 THRU EC-4	EROSION CONTROL PLANS
~~SIGN-1 THRU SIGN~~	~~SIGNING PLANS~~
UO-1 THRU UO-4	UTILITIES PLANS
~~X-1 THRU X~~	~~CROSS SECTIONS~~
~~S-1 THRU S~~	~~STRUCTURE PLANS~~

GENERAL NOTES:

2012 SPECIFICATIONS
EFFECTIVE: 01-17-12
REVISED: 11/01/11

GRADING AND SURFACING OR RESURFACING AND WIDENING:

THE GRADE LINES SHOWN DENOTE THE FINISHED ELEVATION OF THE PROPOSED SURFACING AT GRADE POINTS SHOWN ON THE TYPICAL SECTIONS. WHERE NO GRADE LINES ARE SHOWN, THE PROFILES SHOWN DENOTE THE TOP ELEVATION OF THE EXISTING PAVEMENT ALONG THE CENTER LINE OF SURVEY ON WHICH THE PROPOSED RESURFACING WILL BE PLACED. GRADE LINES MAY BE ADJUSTED BY THE ENGINEER IN ORDER TO SECURE A PROPER TIE-IN.

NIGHT WORK OPTION:

THE CONTRACTOR MAY OPT TO PERFORM ANY OF THE CONTRACT WORK, ALONG U.S. 19, AT NIGHT. HOWEVER, LIGHT PLANTS SHALL BE CONSIDERED INCIDENTAL TO THIS WORK. ALL CONTRACT WORK, ALONG S.R. 1152 (JENKINS BRANCH ROAD), SHALL BE PERFORMED DURING DAYLIGHT HOURS ONLY. NO NIGHT WORK SHALL BE PERMITTED ALONG THIS ROAD.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II. CLEARING ACTIVITIES SHALL BE A PART OF LUMP SUM GRADING, AND SHALL INCLUDE, BUT NOT BE LIMITED TO: ASPHALT REMOVAL, INCIDENTAL DEMOLITION.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.01.

SUITABLE SHOULDER MATERIAL SHALL BE TAKEN FROM STOCKPILED MATERIALS EXTRACTED DURING GRADING, PAVEMENT MILLING, AND PAVEMENT REMOVAL ACTIVITIES.

SIDE ROADS:

THE CONTRACTOR WILL BE REQUIRED TO DO ALL NECESSARY WORK TO PROVIDE SUITABLE CONNECTIONS WITH ALL ROADS, STREETS, AND DRIVES ENTERING THIS PROJECT. THIS WORK WILL BE PAID FOR AT THE CONTRACT UNIT PRICE FOR THE PARTICULAR ITEMS INVOLVED.

SUBSURFACE PLANS:

NO SUBSURFACE PLANS ARE AVAILABLE ON THIS PROJECT. THE CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION AS TO THE SUBSURFACE CONDITIONS.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE TOWN OF BRYSON CITY WATER AND SEWER.

PUBLIC SERVICE NATURAL GAS (PSNG), DUKE ENERGY, BALSAM WEST FIBER NET (FIBER OPTIC),

FRONTIER COMMUNICATIONS (TELEPHONE), ZITO MEDIA (CABLE TV)

ANY RELOCATION OF EXISTING UTILITIES WILL BE ACCOMPLISHED BY OTHERS, EXCEPT AS SHOWN ON THE PLANS.

CONTRACTOR SHALL EXCAVATE AND BACKFILL TRENCH TO FACILITATE SEWER LINE CROSSING OF U.S. 19. THIS WORK SHALL BE CONSIDERED INCIDENTALTO GRADING AND SHALL BE ACCOMPLISHED AT NIGHT.

2012 ROADWAY ENGLISH STANDARD DRAWINGS
The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2012 are applicable to this project and by reference hereby are considered a part of these plans:

STD.NO.	TITLE
DIVISION 2 - EARTHWORK	
200.02	Method of Clearing - Method II
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
654.01	Pavement Repairs
DIVISION 8 - INCIDENTALS	
840.71	Concrete and Brick Pipe Plug
840.72	Pipe Collar
852.01	Concrete Islands
876.04	Drainage Ditches with Class 'B' Rip Rap

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PROJECT REFERENCE NO.	SHEET NO.
39759	1-B

Note: Not to Scale

**S.U.E. = Subsurface Utility Engineering*

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

- State Line
- County Line
- Township Line
- City Line
- Reservation Line
- Property Line
- Existing Iron Pin — EIP
- Property Corner
- Property Monument — PCM
- Parcel/Sequence Number — 123
- Existing Fence Line
- Proposed Woven Wire Fence
- Proposed Chain Link Fence
- Proposed Barbed Wire Fence
- Existing Wetland Boundary — WLB
- Proposed Wetland Boundary — WLB
- Existing Endangered Animal Boundary — EAB
- Existing Endangered Plant Boundary — EPB
- Known Soil Contamination: Area or Site
- Potential Soil Contamination: Area or Site

BUILDINGS AND OTHER CULTURE:

- Gas Pump Vent or U/G Tank Cap
- Sign
- Well
- Small Mine
- Foundation
- Area Outline
- Cemetery
- Building
- School
- Church
- Dam

HYDROLOGY:

- Stream or Body of Water
- Hydro, Pool or Reservoir
- Jurisdictional Stream — JS
- Buffer Zone 1 — BZ 1
- Buffer Zone 2 — BZ 2
- Flow Arrow
- Disappearing Stream
- Spring
- Wetland
- Proposed Lateral, Tail, Head Ditch — FLOW
- False Sump

RAILROADS:

- Standard Gauge — CSX TRANSPORTATION
- RR Signal Milepost — MILEPOST 35
- Switch — SWITCH
- RR Abandoned
- RR Dismantled

RIGHT OF WAY:

- Baseline Control Point
- Existing Right of Way Marker
- Existing Right of Way Line
- Proposed Right of Way Line
- Proposed Right of Way Line with Iron Pin and Cap Marker
- Proposed Right of Way Line with Concrete or Granite R/W Marker
- Proposed Control of Access Line with Concrete C/A Marker
- Existing Control of Access
- Proposed Control of Access
- Existing Easement Line — E
- Proposed Temporary Construction Easement — E
- Proposed Temporary Drainage Easement — TDE
- Proposed Permanent Drainage Easement — PDE
- Proposed Permanent Drainage / Utility Easement — DUE
- Proposed Permanent Utility Easement — PUE
- Proposed Temporary Utility Easement — TUE
- Proposed Aerial Utility Easement — AUE
- Proposed Permanent Easement with Iron Pin and Cap Marker

ROADS AND RELATED FEATURES:

- Existing Edge of Pavement
- Existing Curb
- Proposed Slope Stakes Cut — C
- Proposed Slope Stakes Fill — F
- Proposed Curb Ramp — CR
- Existing Metal Guardrail
- Proposed Guardrail
- Existing Cable Guiderail
- Proposed Cable Guiderail
- Equality Symbol
- Pavement Removal

VEGETATION:

- Single Tree
- Single Shrub
- Hedge
- Woods Line
- Orchard
- Vineyard — Vineyard

EXISTING STRUCTURES:

MAJOR:

- Bridge, Tunnel or Box Culvert — CONC
- Bridge Wing Wall, Head Wall and End Wall — CONC WW

MINOR:

- Head and End Wall — CONC HW
- Pipe Culvert
- Footbridge
- Drainage Box: Catch Basin, DI or JB — CB
- Paved Ditch Gutter
- Storm Sewer Manhole — S
- Storm Sewer — S

UTILITIES:

POWER:

- Existing Power Pole
- Proposed Power Pole
- Existing Joint Use Pole
- Proposed Joint Use Pole
- Power Manhole — P
- Power Line Tower
- Power Transformer
- U/G Power Cable Hand Hole
- H-Frame Pole
- Recorded U/G Power Line — P
- Designated U/G Power Line (S.U.E.*) — P

TELEPHONE:

- Existing Telephone Pole
- Proposed Telephone Pole
- Telephone Manhole — T
- Telephone Booth
- Telephone Pedestal — T
- Telephone Cell Tower
- U/G Telephone Cable Hand Hole — HH
- Recorded U/G Telephone Cable — T
- Designated U/G Telephone Cable (S.U.E.*) — T
- Recorded U/G Telephone Conduit — TC
- Designated U/G Telephone Conduit (S.U.E.*) — TC
- Recorded U/G Fiber Optics Cable — T FO
- Designated U/G Fiber Optics Cable (S.U.E.*) — T FO

WATER:

- Water Manhole — W
- Water Meter
- Water Valve
- Water Hydrant
- Recorded U/G Water Line — W
- Designated U/G Water Line (S.U.E.*) — W
- Above Ground Water Line — A/G Water

TV:

- TV Satellite Dish
- TV Pedestal — C
- TV Tower
- U/G TV Cable Hand Hole — HH
- Recorded U/G TV Cable — TV
- Designated U/G TV Cable (S.U.E.*) — TV
- Recorded U/G Fiber Optic Cable — TV FO
- Designated U/G Fiber Optic Cable (S.U.E.*) — TV FO

GAS:

- Gas Valve
- Gas Meter
- Recorded U/G Gas Line — G
- Designated U/G Gas Line (S.U.E.*) — G
- Above Ground Gas Line — A/G Gas

SANITARY SEWER:

- Sanitary Sewer Manhole — SS
- Sanitary Sewer Cleanout
- U/G Sanitary Sewer Line — SS
- Above Ground Sanitary Sewer — A/G Sanitary Sewer
- Recorded SS Forced Main Line — FSS
- Designated SS Forced Main Line (S.U.E.*) — FSS

MISCELLANEOUS:

- Utility Pole
- Utility Pole with Base
- Utility Located Object
- Utility Traffic Signal Box — S
- Utility Unknown U/G Line — TUTL
- U/G Tank; Water, Gas, Oil
- Underground Storage Tank, Approx. Loc. — UST
- A/G Tank; Water, Gas, Oil
- Geoenvironmental Boring
- U/G Test Hole (S.U.E.*)
- Abandoned According to Utility Records — AATUR
- End of Information — E.O.I.

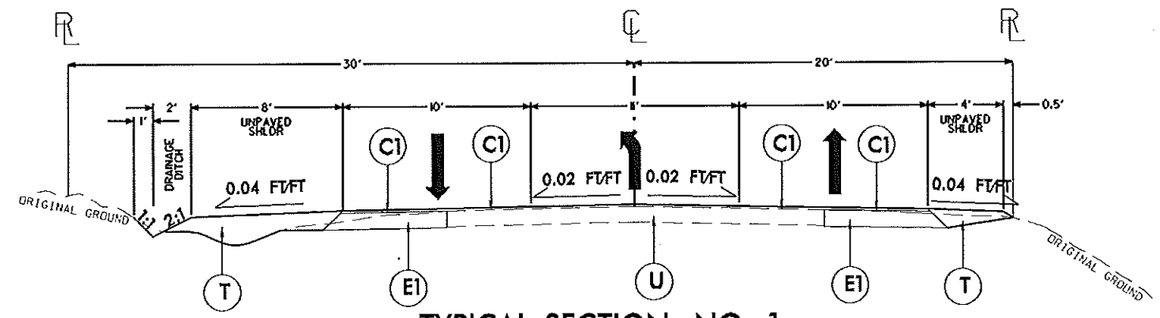
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	2
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

PAVEMENT SCHEDULE

(FINAL PAVEMENT DESIGN)

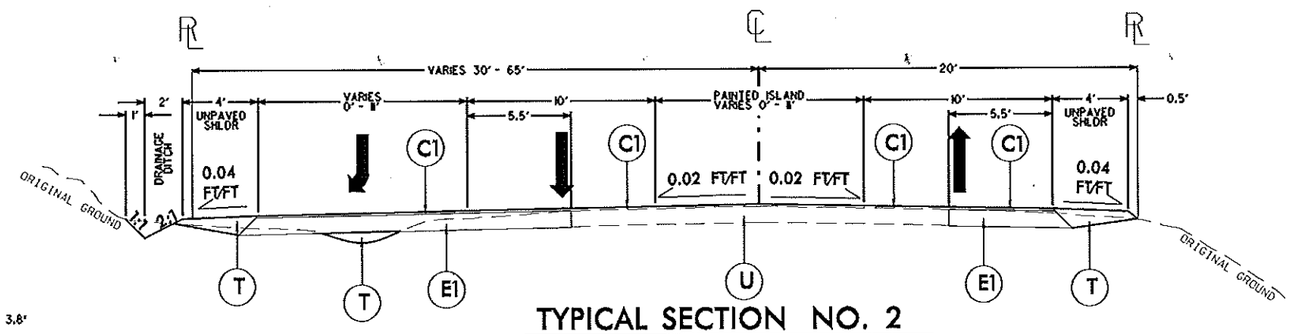
C1	PROP. APPROX. 2" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 224 LBS. PER SQ. YD.
C2	PROP. VAR. DEPTH ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 112 LBS. PER SQ. YD. PER 1" DEPTH. TO BE PLACED IN LAYERS NOT TO EXCEED 2" IN DEPTH.
E1	PROP. APPROX. 8" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B, AT AN AVERAGE RATE OF 912 LBS. PER SQ. YD.
T	EARTH MATERIAL.
U	EXISTING PAVEMENT.
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE STANDARD WEDGING DETAIL BELOW)

NOTES: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE.
WIDENING TO MATCH EXISTING PAVEMENT CROSS SLOPE.



TYPICAL SECTION NO. 1

U.S. 19 (LEFT TURN LANE CONFIGURATION)
STA. 14+70.00 TO STA. 22+01.76
NOT TO SCALE



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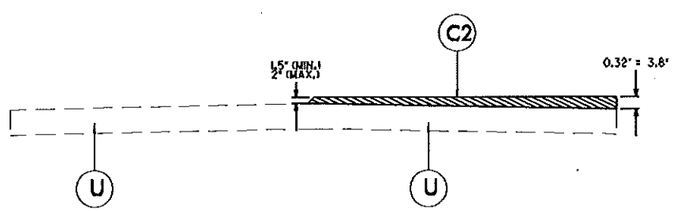
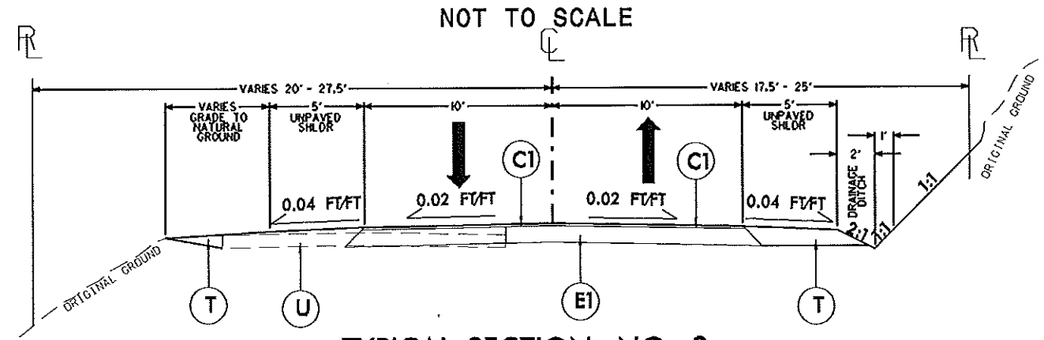
NOT TO SCALE



WEDGING DETAIL

JENKINS BRANCH ROAD
STA. 0+54.78 TO STA. 2+24.19
NOT TO SCALE



TYPICAL SECTION NO. 3

JENKINS BRANCH ROAD
STA. 0+54.78 TO STA. 2+24.19
NOT TO SCALE

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CHECKED BY: DATE:

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WBS-39759	3

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

NOTE: Invert Elevations are for Bid Purposes only and shall not be used for project construction stakeout. See "Standard Specifications For Roads and Structures, Section 300-5".

SUB-REGIONAL & REGIONAL
LIST OF PIPES, ENDWALLS, ETC. (FOR PIPES 48" & UNDER)

STATION / SIZE / THICKNESS OR GAUGE	LOCATION (LT, RT, OR CL)	STRUCTURE NO. FROM	STRUCTURE NO. TO	TOP ELEVATION	INVERT ELEVATION	INVERT ELEVATION	SLOPE CRITICAL	DRAINAGE PIPE (RCP, CSP, CAAP, HDPE, or PVC) 12"	15"	18"	24"	30"	36"	42"	48"	DO NOT USE RCP	DO NOT USE CSP	DO NOT USE CAAP	DO NOT USE HDPE	C.S. PIPE 12"	15"	18"	24"	36"	42"	48"	R.C. PIPE (CLASS III) 15"	18"	24"	30"	36"	42"	48"	R.C. PIPE (CLASS IV) 12"	15"	18"	24"	30"	36"	42"	48"
																				.064	.064	.064	.064	.079	.109	.109															
13+47.10	LT																					4																			
17+83.32	LT																						9.3																		
20+54.54	LT																			3.5																					
20+99.53	LT																					11.5																			
21+76.99	LT																																								
00+37.50	RT																					23.4																			
00+37.50	LT																					22.6																			

STATION	1" = R.C. PIPE (CLASS V)	1" = R.C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	1" = R.C. PIPE CULVERTS, CONTRACTOR DESIGN PIPE	15" SIDE DRAIN PIPE	18" SIDE DRAIN PIPE	ENDWALLS STD. 838.01, STD. 838.11 OR STD. 838.80 (UNLESS NOTED OTHERWISE) CU. YDS. R.C.P.	CU. YDS. C.S.P.	QUANTITIES FOR DRAINAGE STRUCTURES PER EACH (0' THRU 5.0')	LIN. FT. A 5.0' THRU 10.0'	LIN. FT. B 10.0' AND ABOVE	* TOTAL L.F. FOR PAY QUANTITY SHALL BE COL. "A" + (1.3 X COL."B")	C.B. STD. 840.01 OR STD. 840.02	FRAME, GRATES AND HOOD STANDARD 840.03 TYPE OF GRATE E	F	G	CONCRETE TRANSITIONAL SECTION CATCH BASIN	DROP INLET	G.D.I. FRAME WITH GRATE STD. 840.22	G.D.I. FRAME WITH TWO GRATES STD. 840.22	G.D.I. (N.S.) FRAME WITH GRATE STD. 840.24	G.D.I. (N.S.) FRAME WITH TWO GRATES STD. 840.24	J.B. STD. 840.31 OR 840.32	CONC. STEEL ELBOWS NO. & SIZE	CONC. COLLARS CL. "B" C.Y. STD 840.72	CONC. & BRICK PIPE PLUGS, C.Y. STD. 840.71	PIPE REMOVAL LIN.FT.	REMARKS
13+47.10																													
17+83.32																													
20+54.54																										0.3990			EXIST. PIPE MTRL UNKNOWN; CONTRACTOR TO I.D.
20+99.53																										0.4465		1	ASSUMES 1' OF DAMAGE DURING HEADWALL DEMO.
21+76.99																											2.21		PLUG & GROUT ENTIRE 18" PIPE (APPROX. 34')
00+37.50																													
00+37.50																													

ABBREVIATIONS

C.B.	CATCH BASIN
N.D.I.	NARROW DROP INLET
D.I.	DROP INLET
G.D.I.	GRATED DROP INLET
G.D.I. (N.S.)	GRATED DROP INLET (NARROW SLOT)
J.B.	JUNCTION BOX
M.H.	MANHOLE
T.B.D.I.	TRAFFIC BEARING DROP INLET
T.B.J.B.	TRAFFIC BEARING JUNCTION BOX

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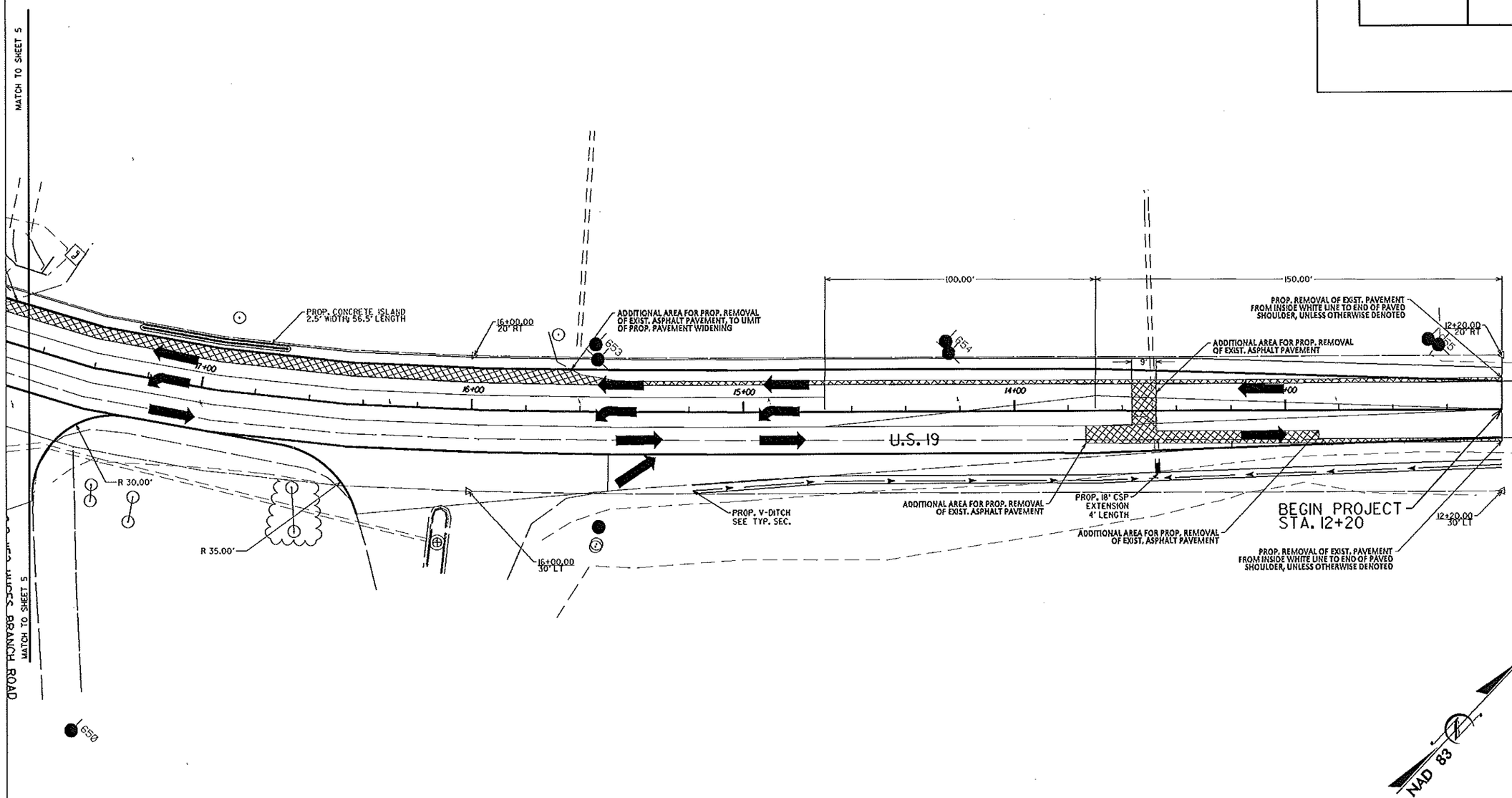
WBS-39759	4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

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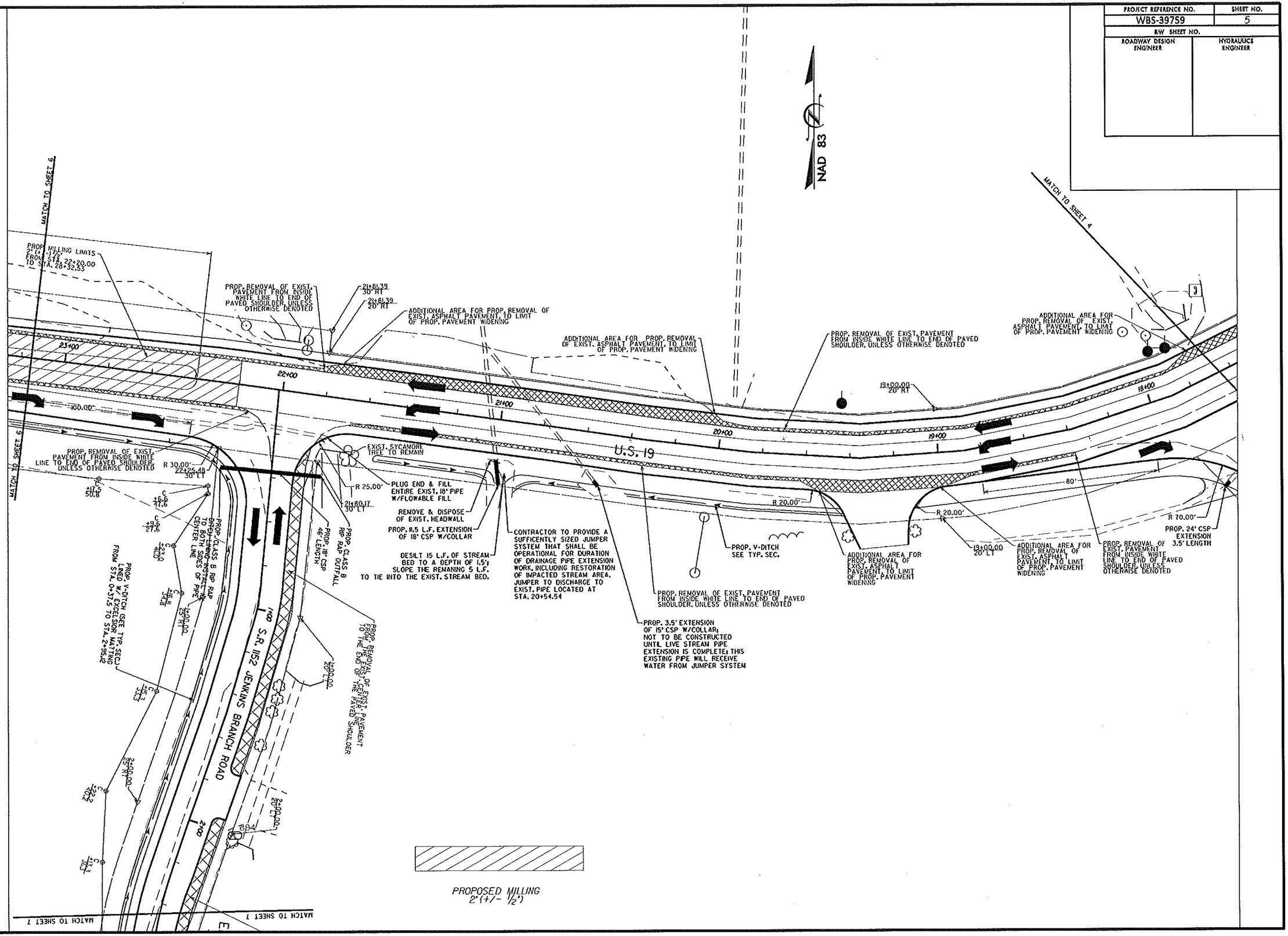
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

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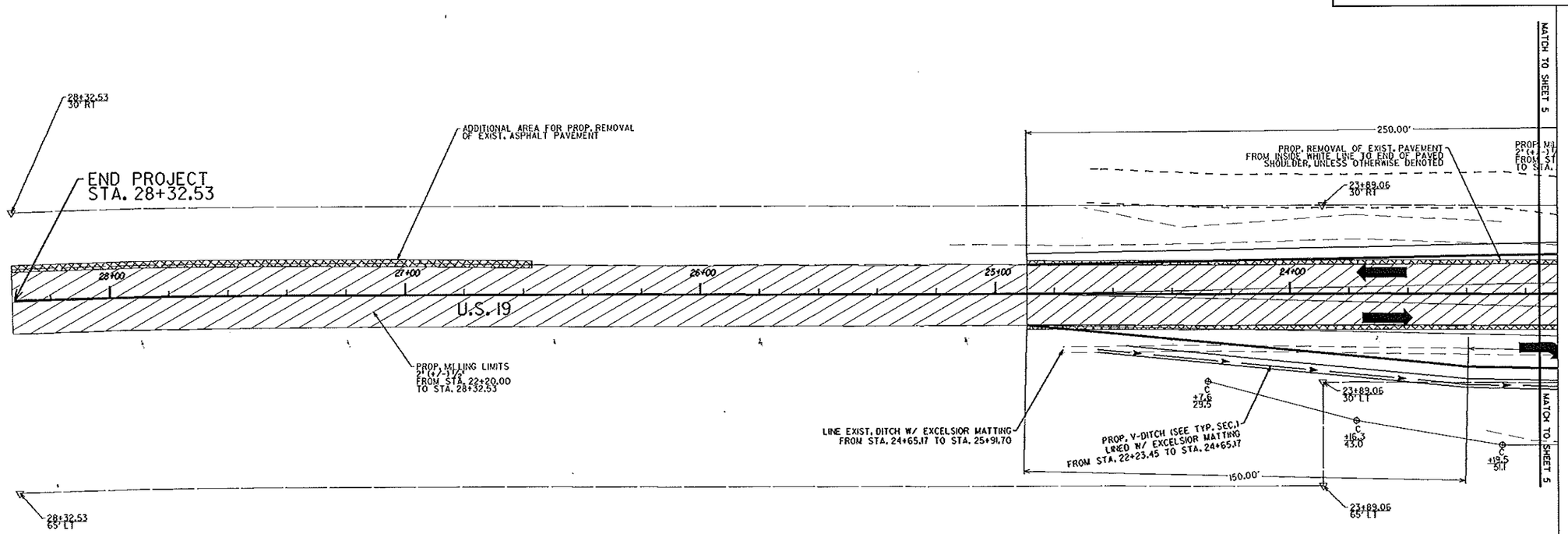
WBS-39759	6
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



PROPOSED MILLING
2" (+/- 1/2")

NAD 83

REVISIONS

8/17/99

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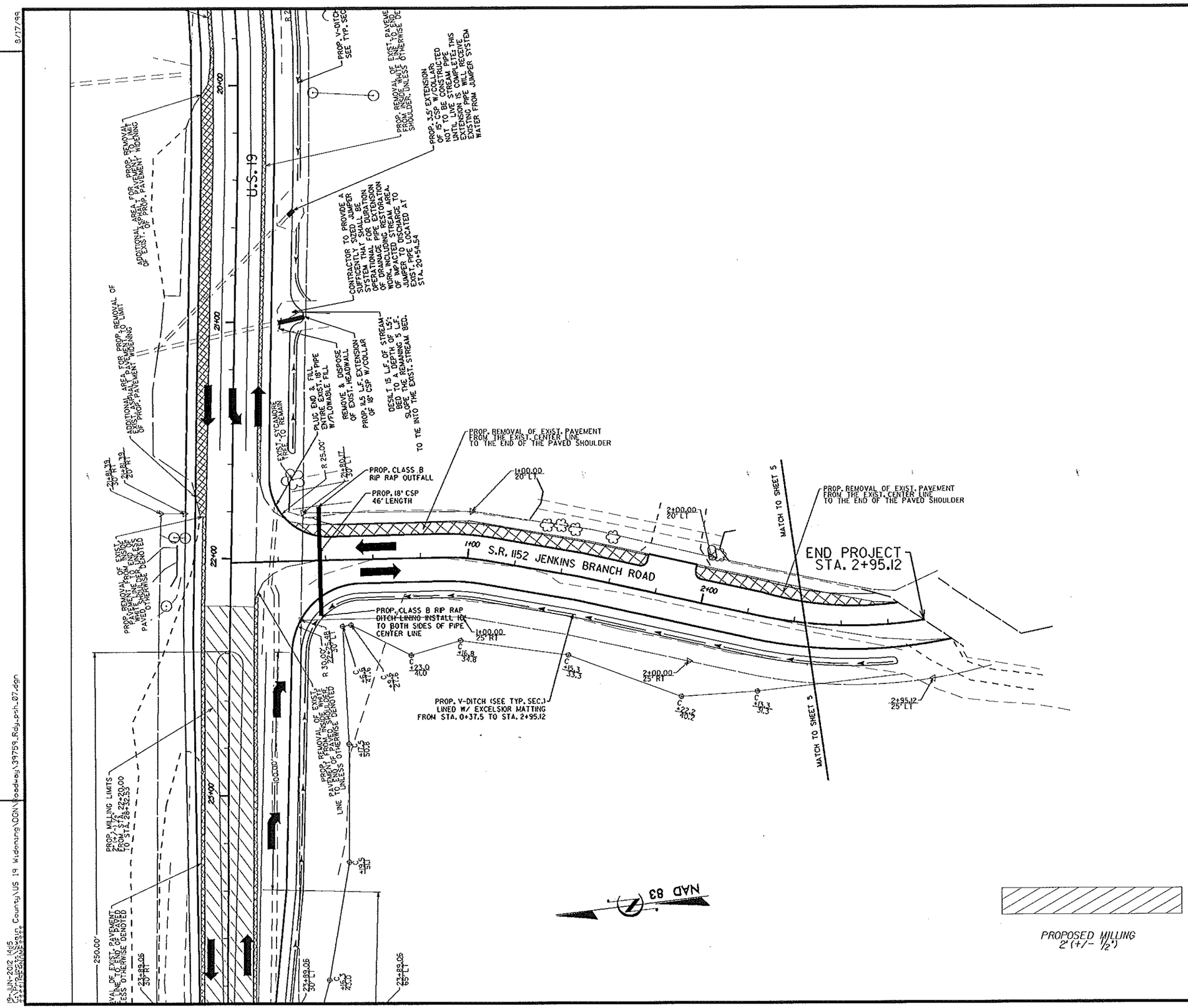
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	7
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

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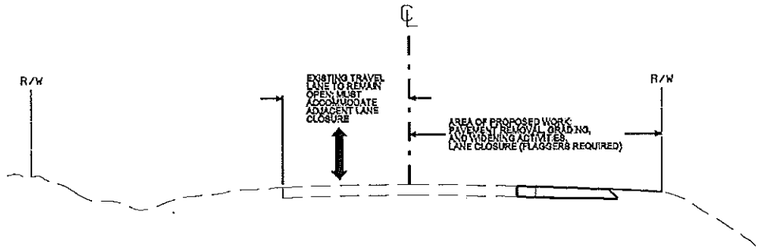
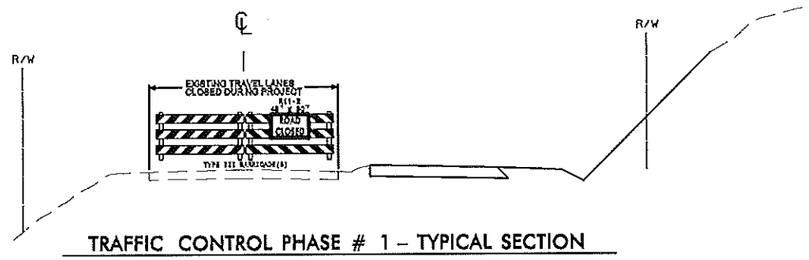
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	TCP-1
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



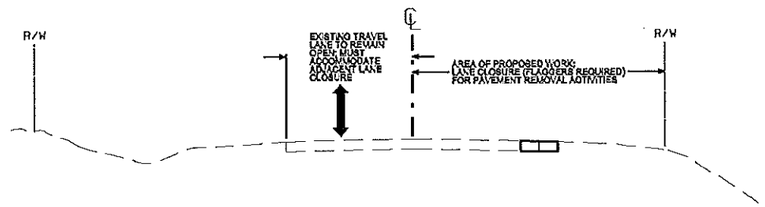
TRAFFIC CONTROL PHASE # 1 - TYPICAL SECTION

U.S. 19; STA. 12+20.00 TO STA. 24+89.29



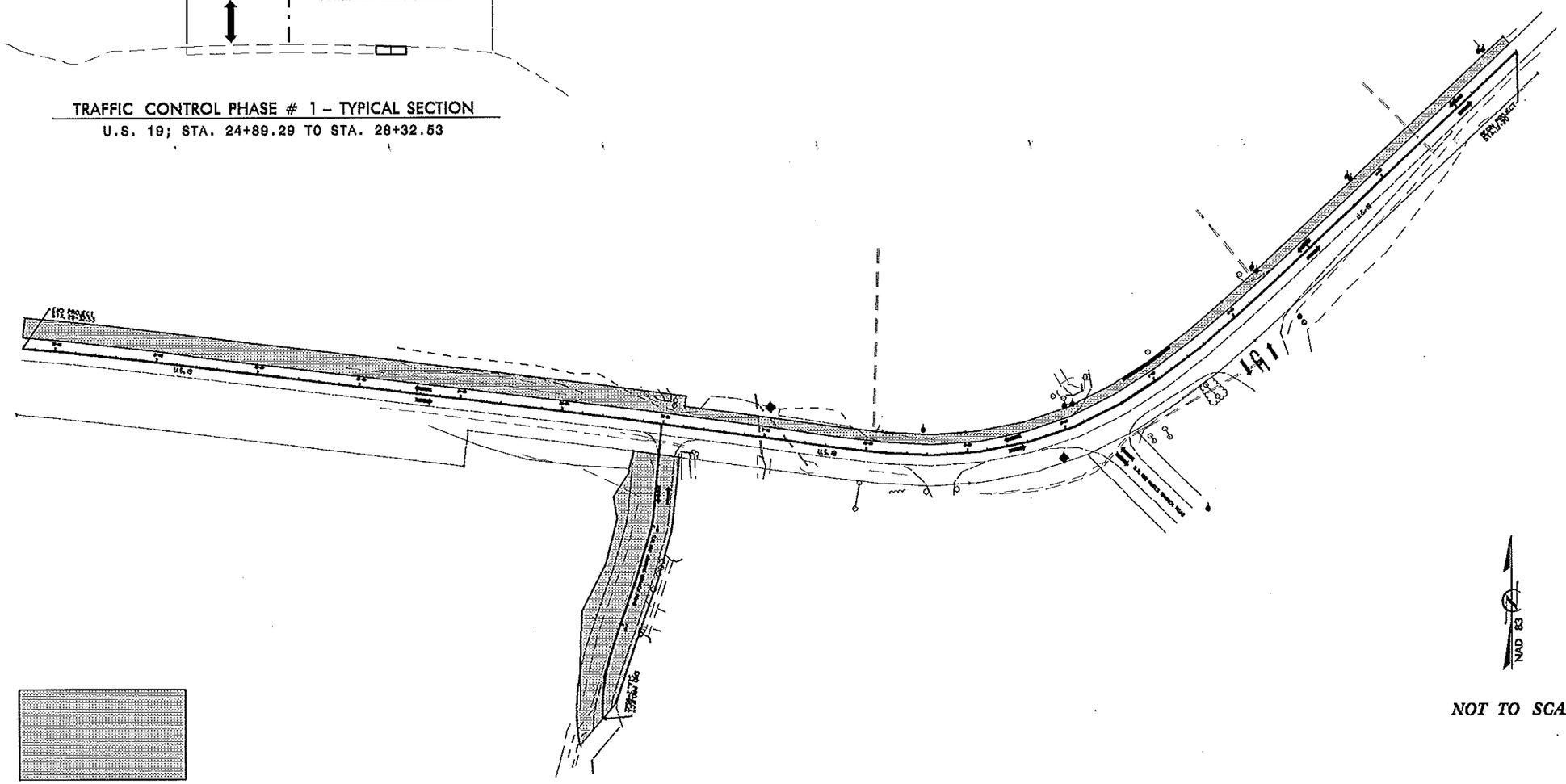
TRAFFIC CONTROL PHASE # 1 - TYPICAL SECTION

Jenkins Branch Road; STA. 0+00.00 TO STA. 2+95.12



TRAFFIC CONTROL PHASE # 1 - TYPICAL SECTION

U.S. 19; STA. 24+89.29 TO STA. 28+32.53



REVISIONS

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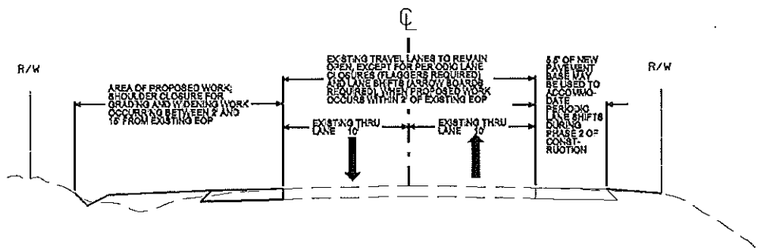
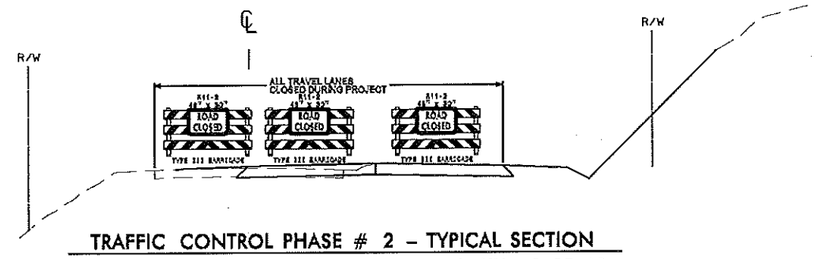
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	TCP-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



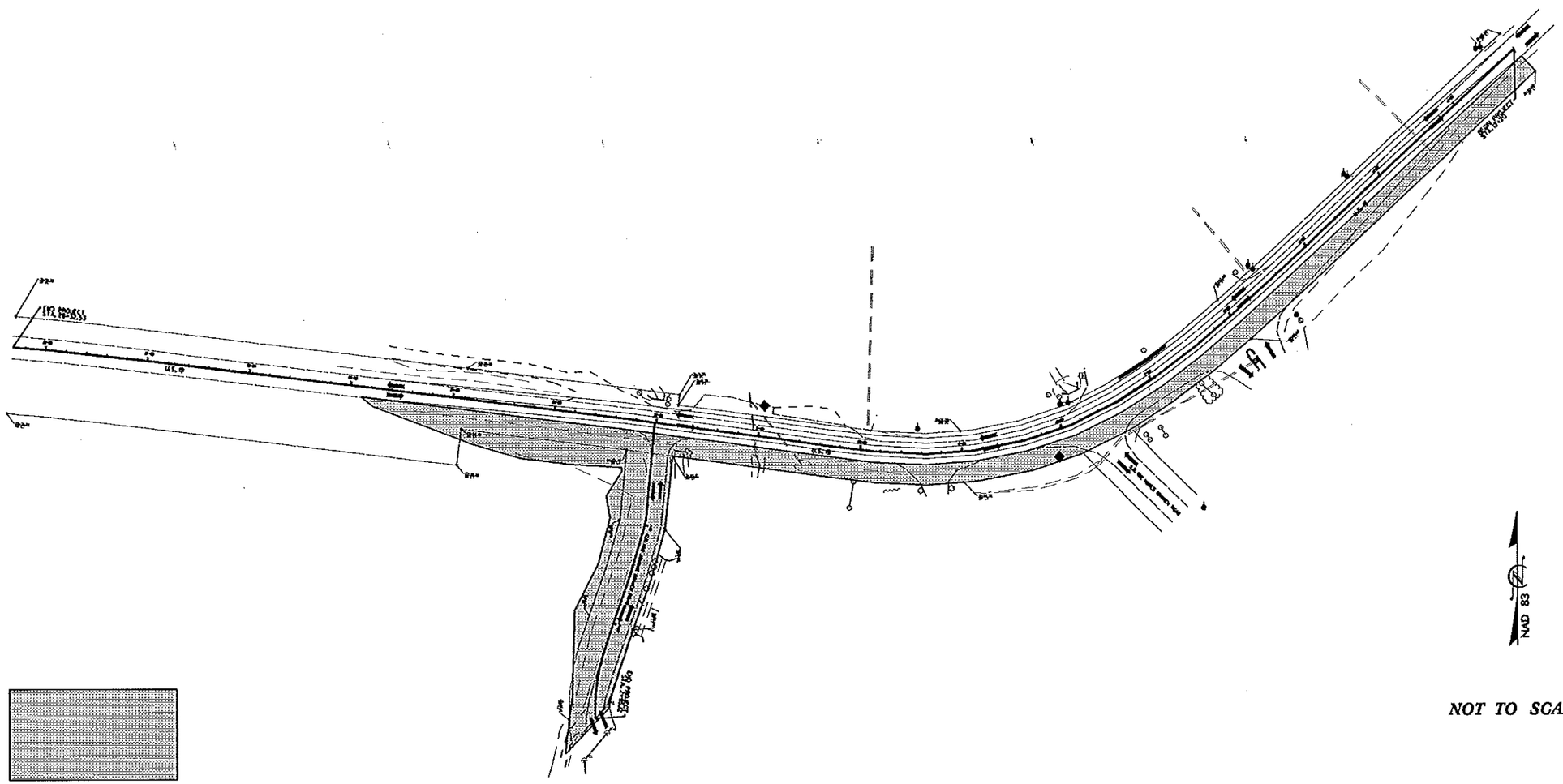
TRAFFIC CONTROL PHASE # 2 – TYPICAL SECTION

U.S. 19; STA. 12+20.00 TO STA. 24+89.29



TRAFFIC CONTROL PHASE # 2 – TYPICAL SECTION

Jenkins Branch Road; STA. 0+00.00 TO STA. 2+95.12



GENERAL AREA OF PROPOSED WORK

NOT TO SCALE

REVISIONS

8/17/99

19-JUN-2012 14:18
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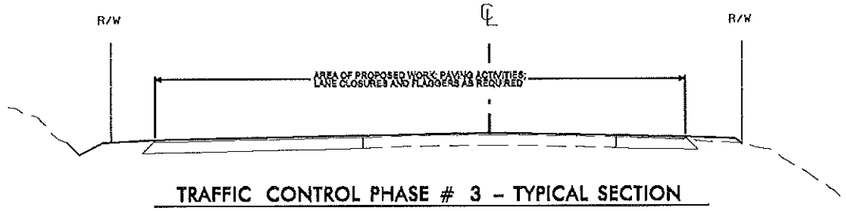
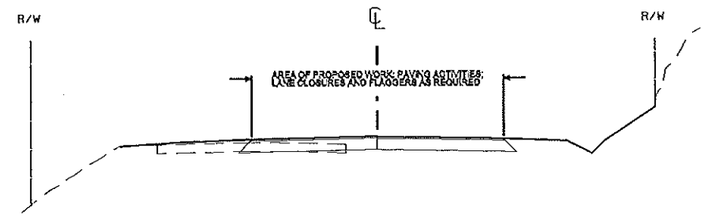
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	TP-3
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



TRAFFIC CONTROL PHASE # 3 - TYPICAL SECTION

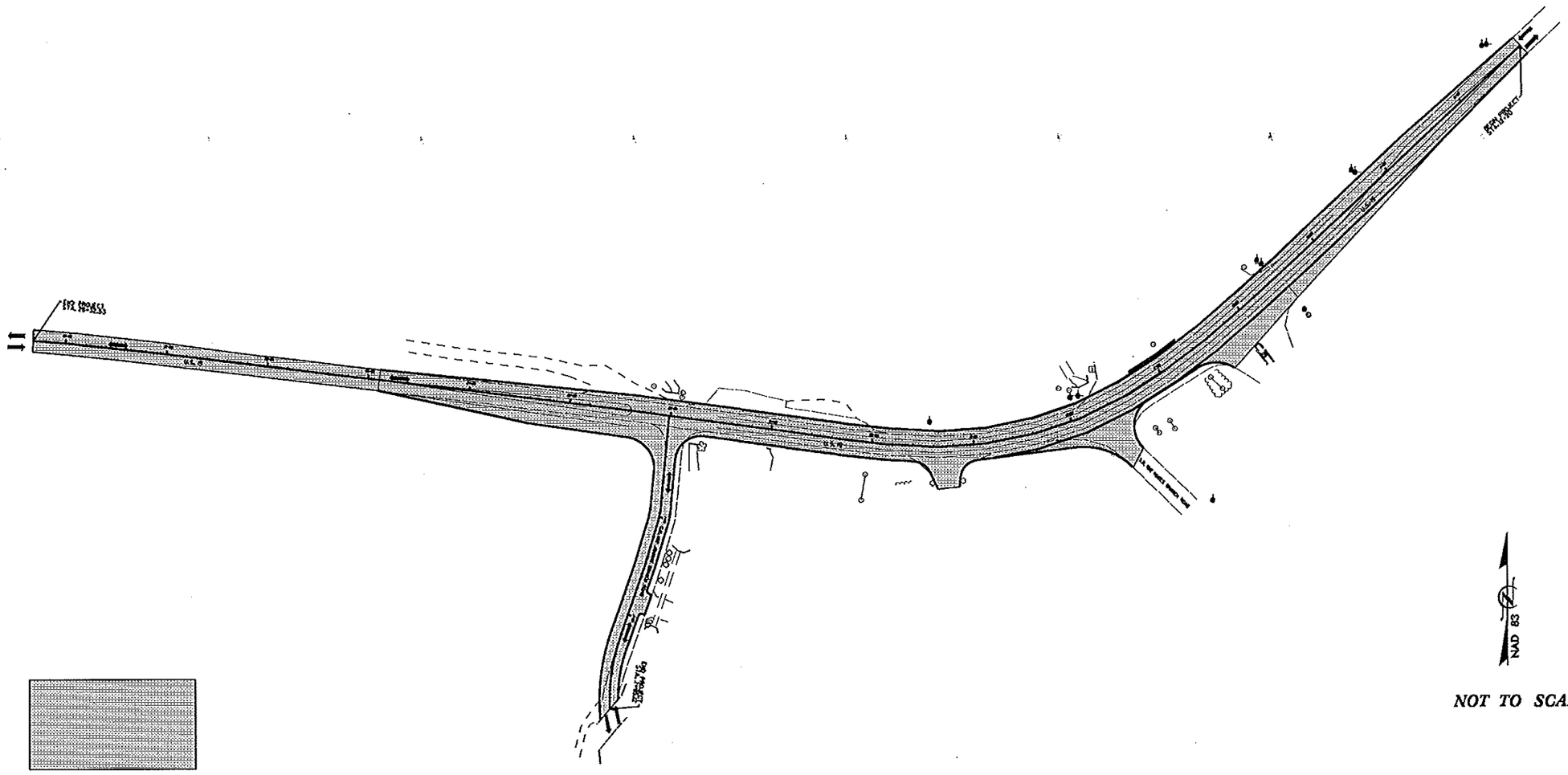
U.S. 19

STA. 12+20.00 TO STA. 28+32.53



TRAFFIC CONTROL PHASE # 3 - TYPICAL SECTION

Jenkins Branch Road; STA. 0+00.00 TO STA. 2+95.12



NOT TO SCALE

REVISIONS

8/17/99

19-JUN-2012 14:19
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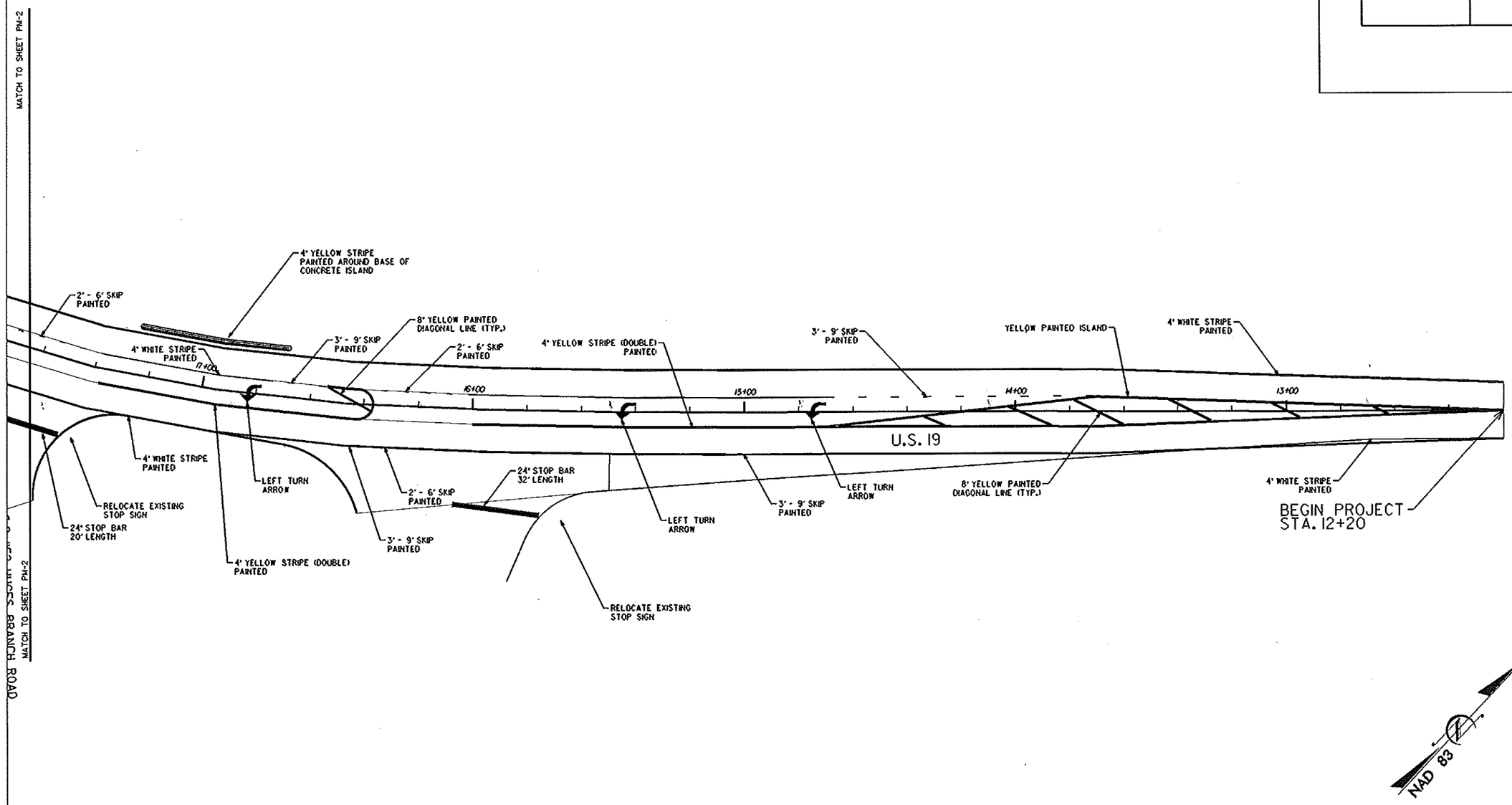
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	PM-1
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

19-JUN-2012 14:20
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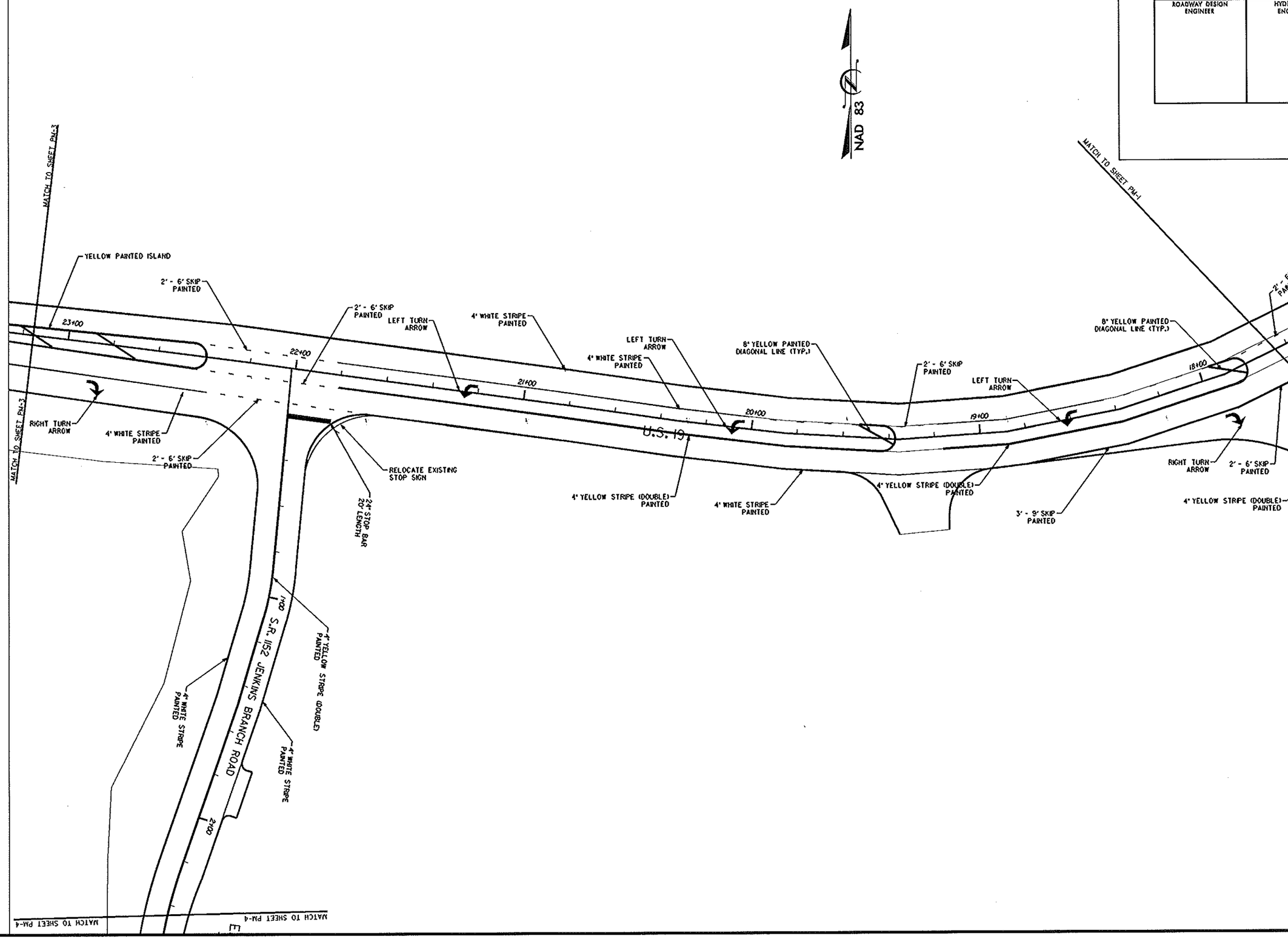
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	PM-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

19-JUN-2012 14:23
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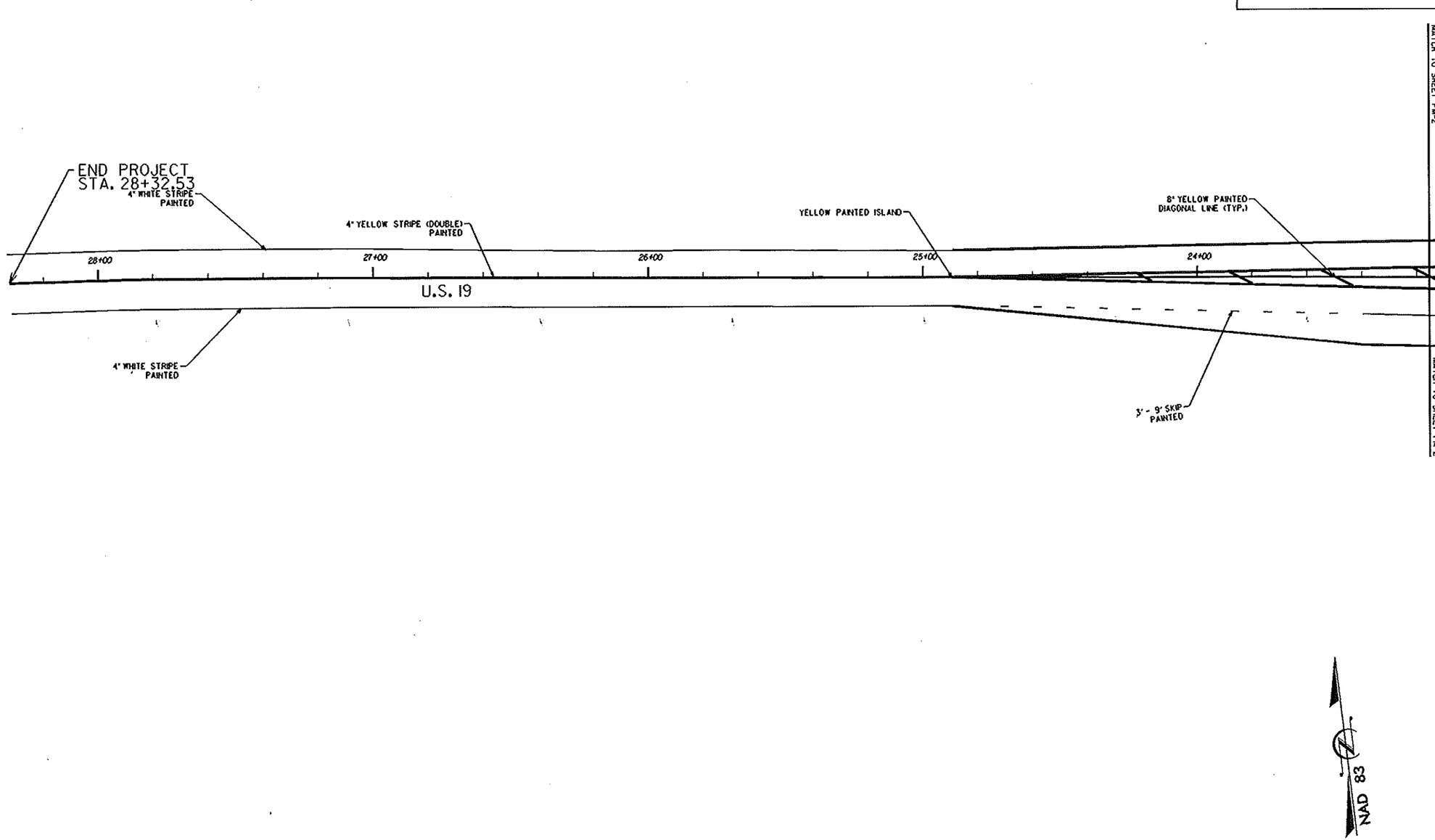
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	PM-3
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

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19-JUN-2012 14:25
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PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	PM-4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

REVISIONS

8/17/99

19-JUN-2012 14:27
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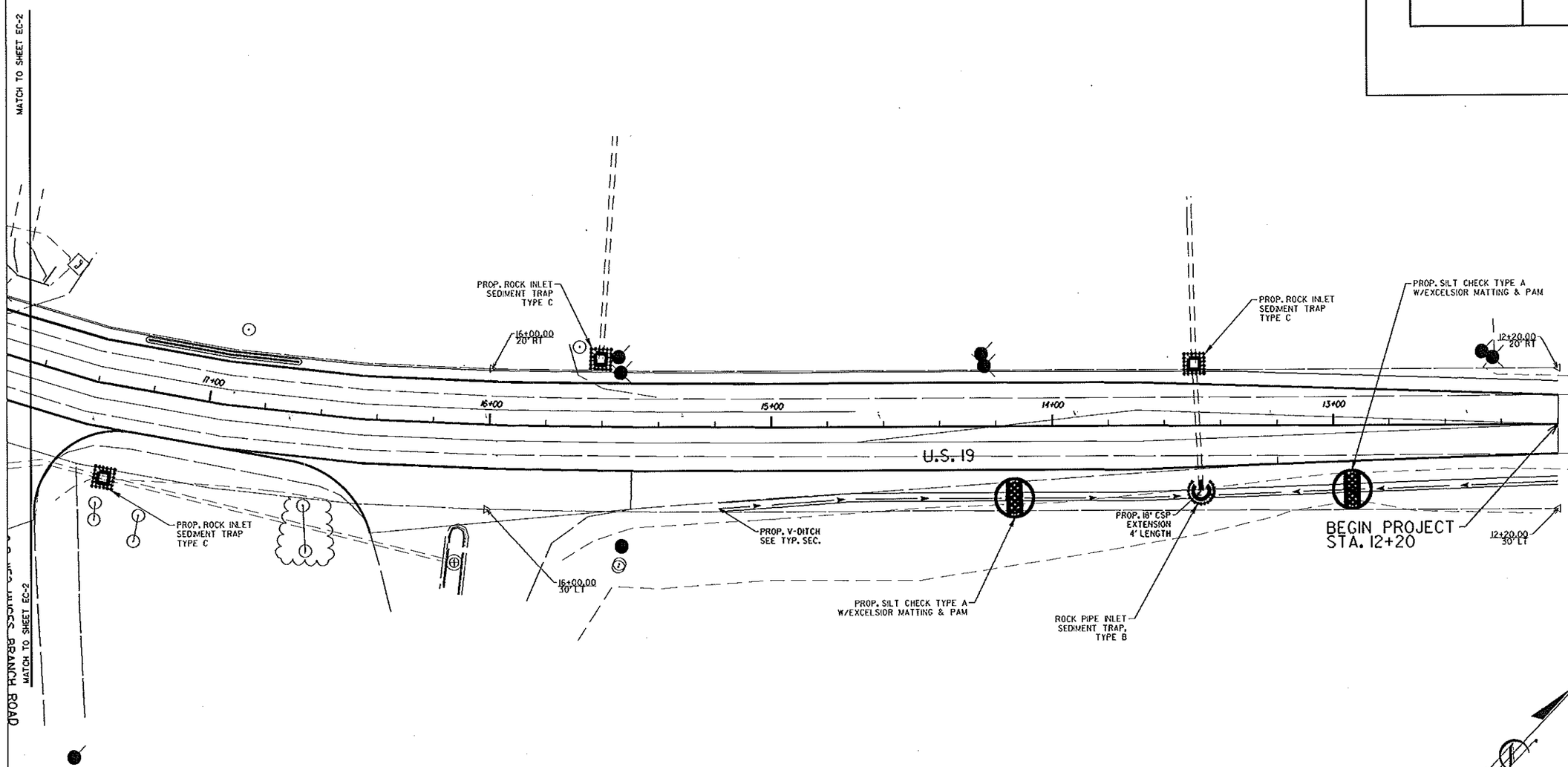
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	EC-1
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

19-JUN-2012 14:29
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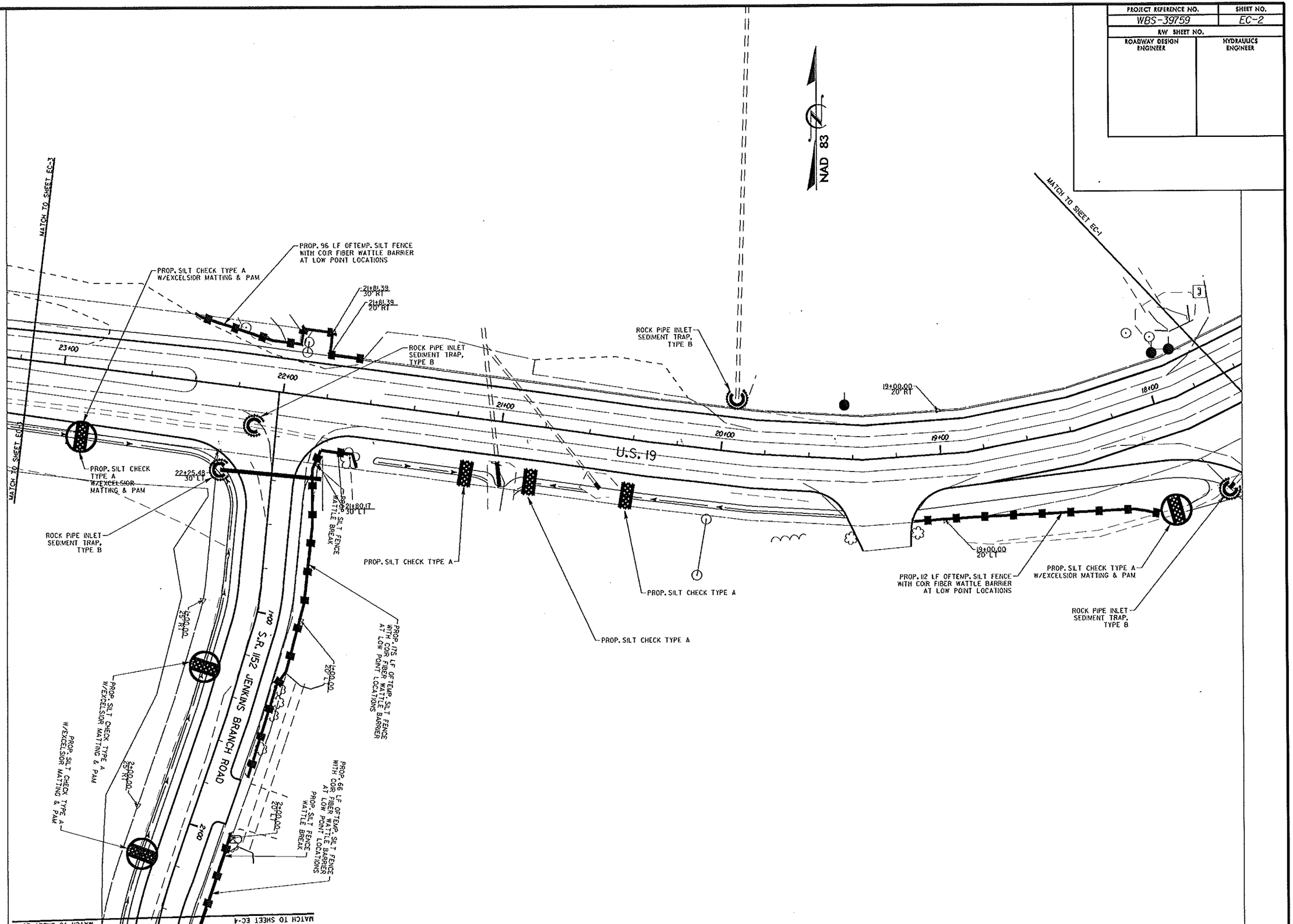
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	EC-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

19-JUN-2012 14:30
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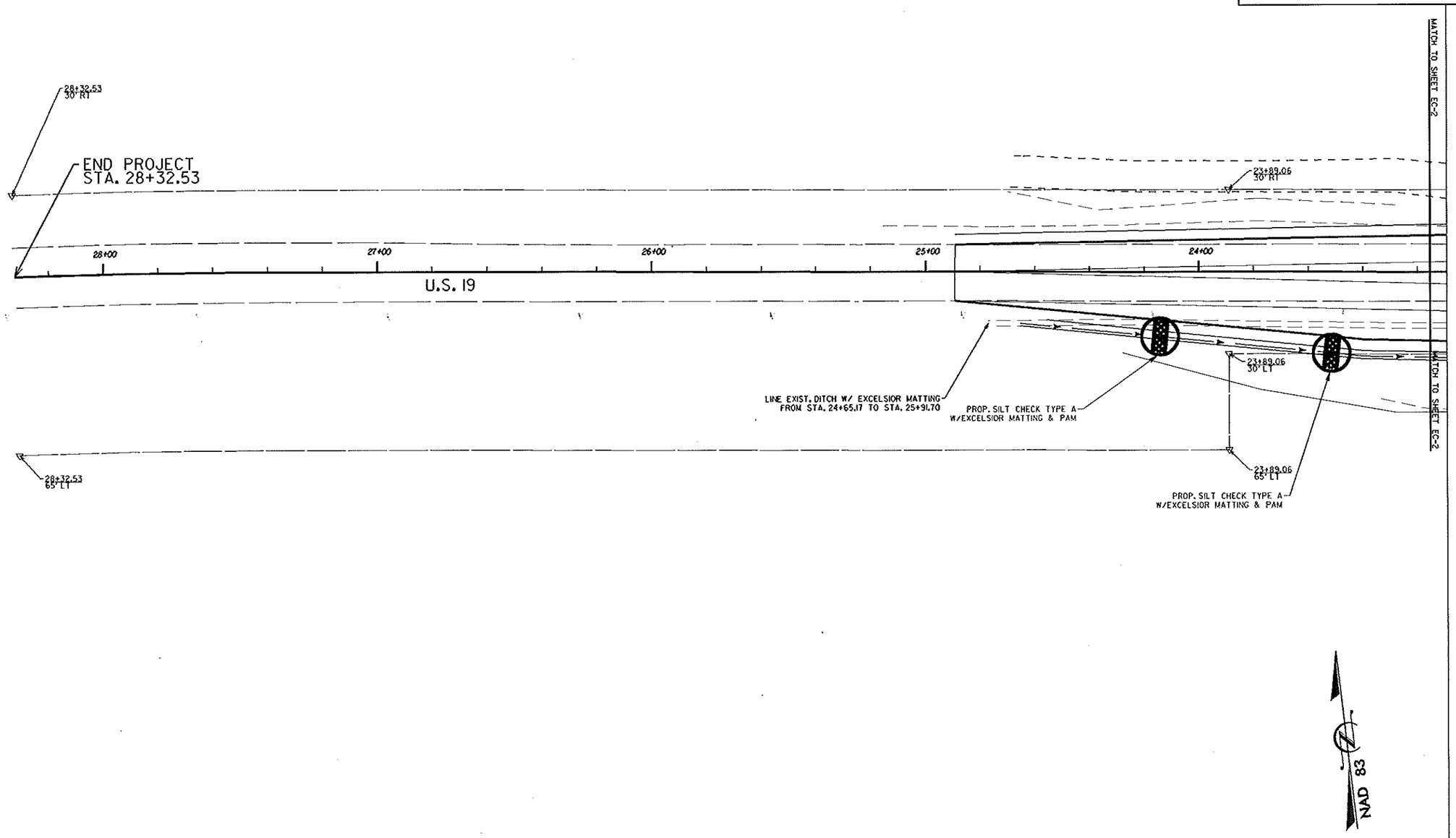
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	EC-3
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

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19-JUN-2012 14:32
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REVISIONS

19-JUN-2012 14:33
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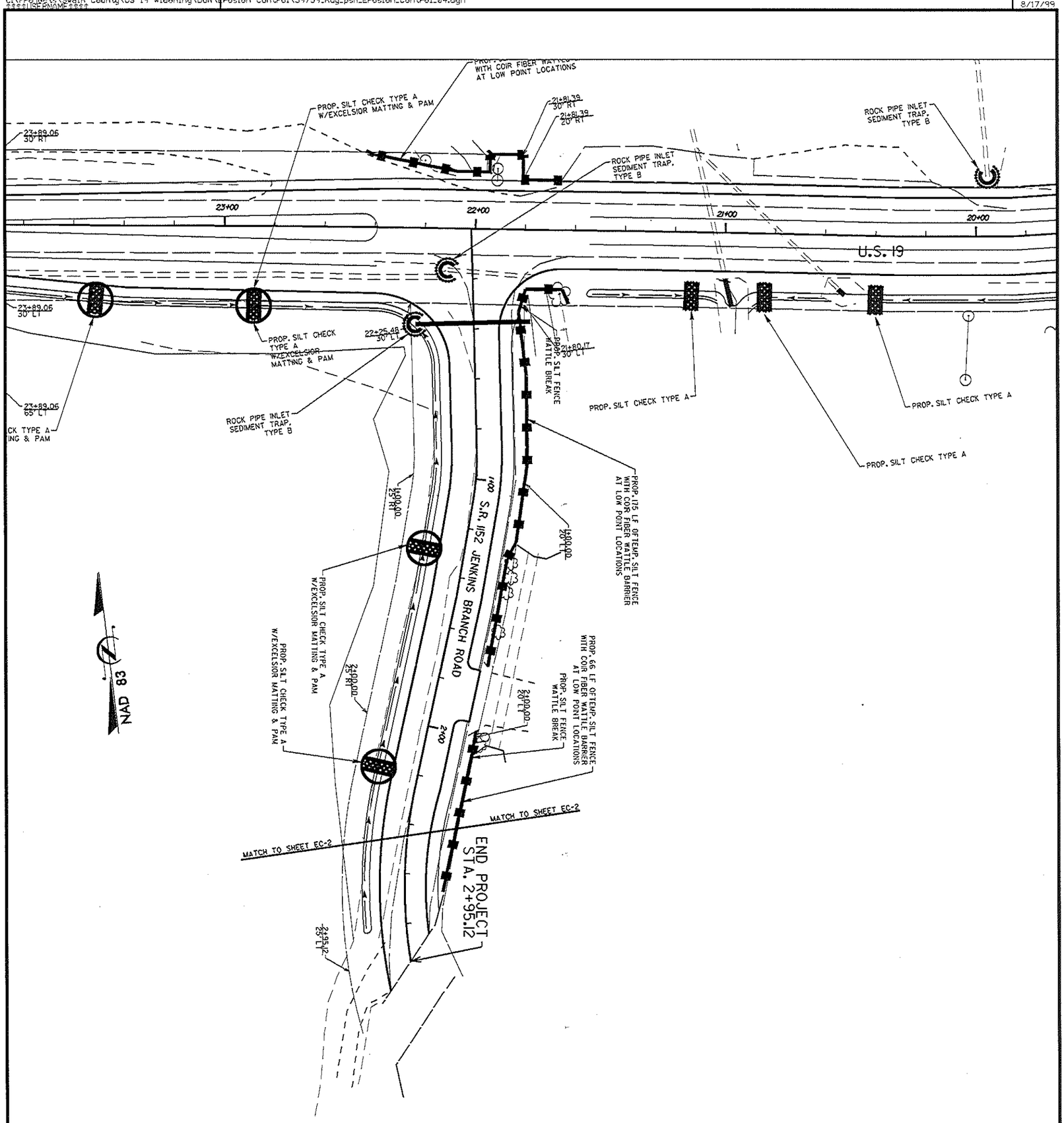
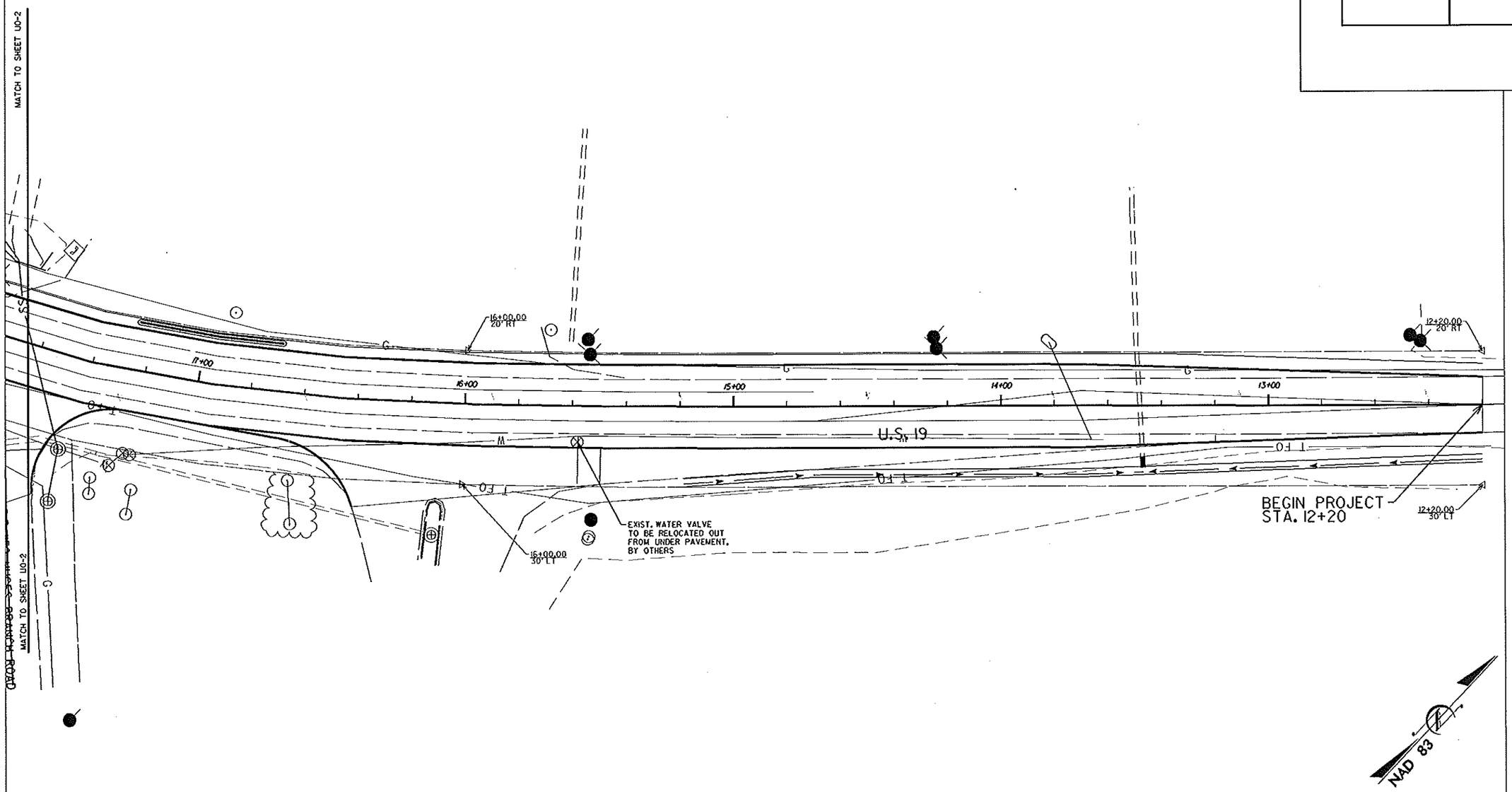
8/17/99



PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	EC-4
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	U0-1
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

13-JUN-2012 14:35
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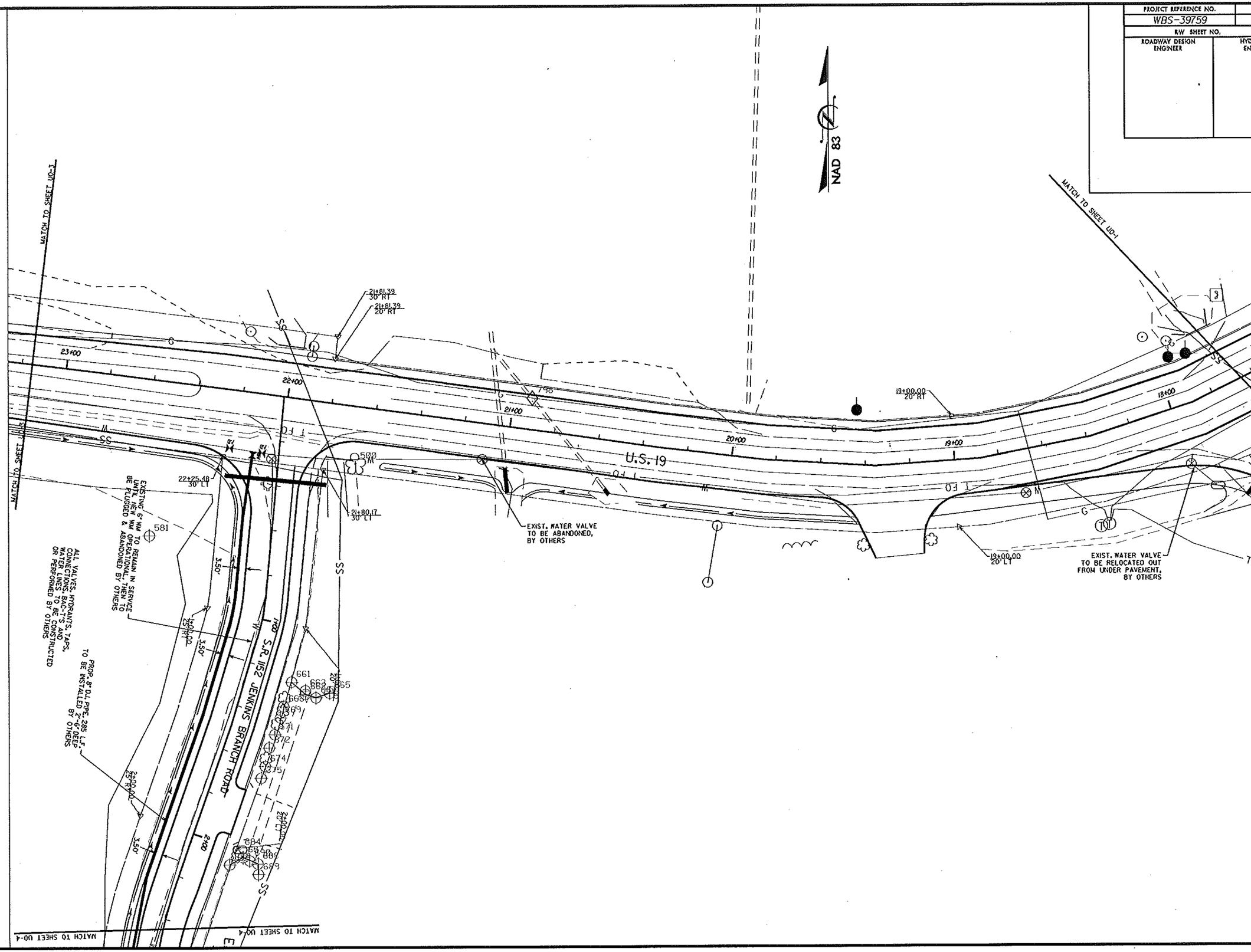
PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	U0-2
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

13-JUN-2012 14:36
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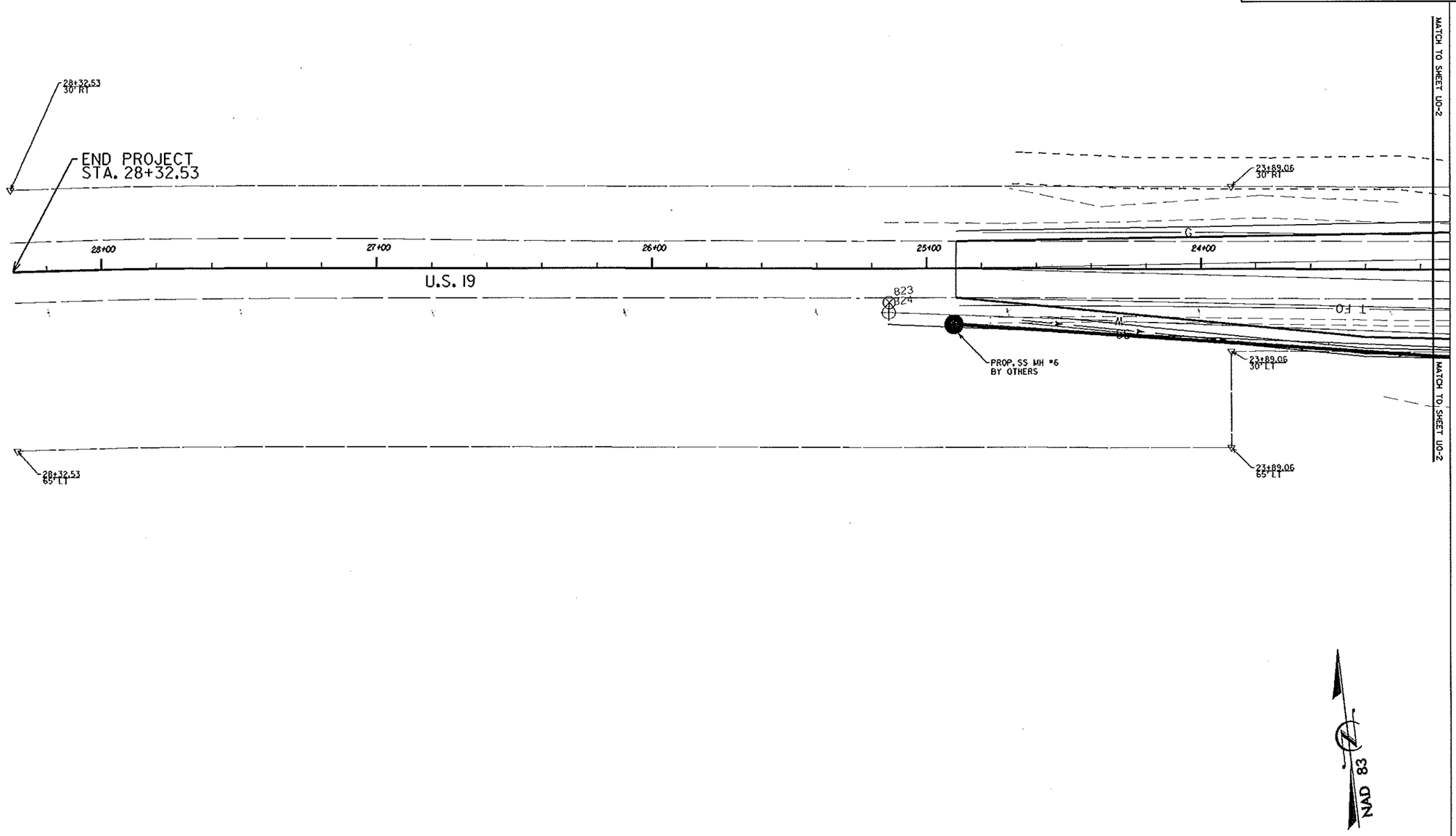
Centerline\Swain

PROJECT REFERENCE NO.	SHEET NO.
WBS-39759	U0-3
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER



REVISIONS

8/17/99

19-JUN-2012 14:37
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REVISIONS

19-JUN-2012 14:39
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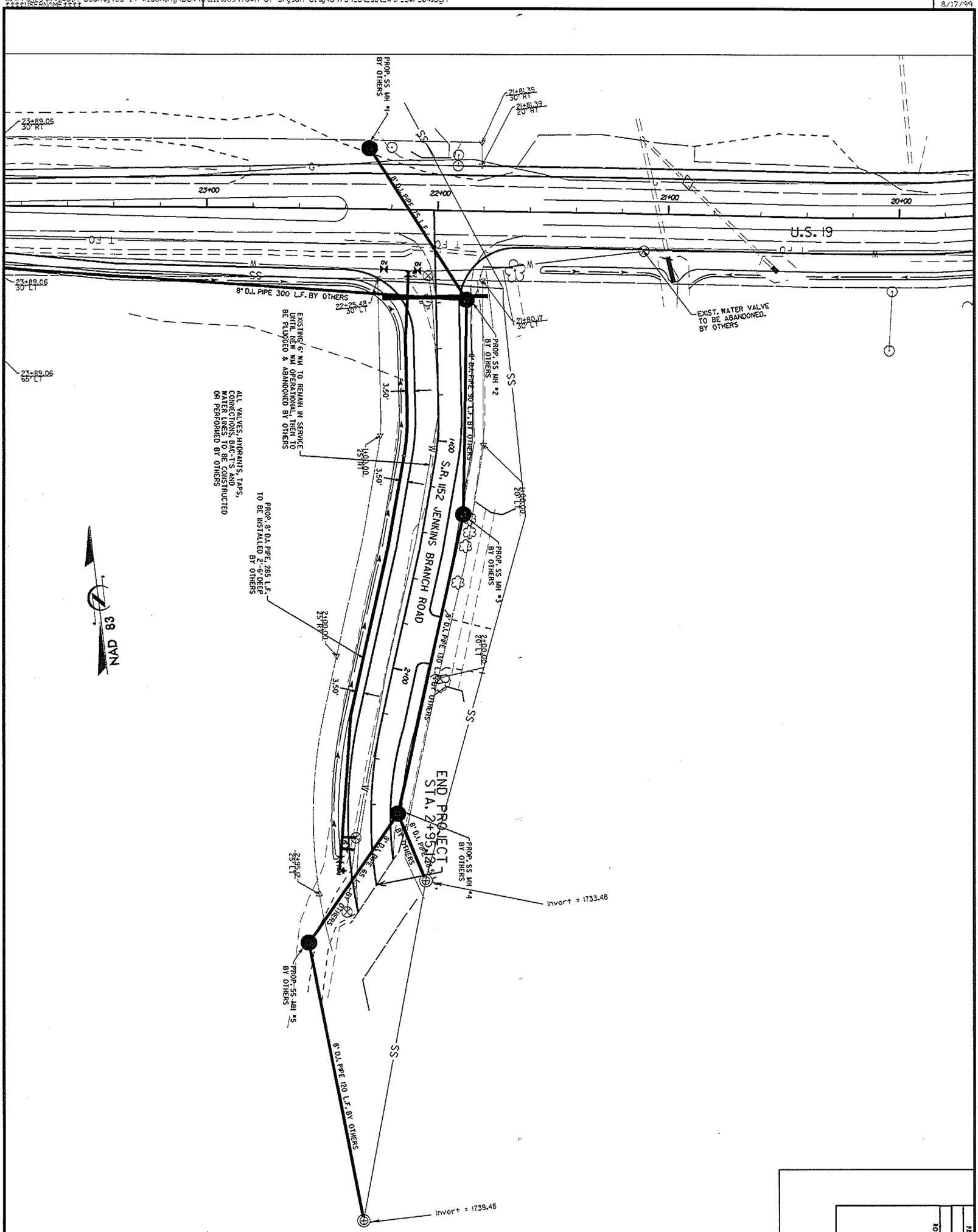
8/17/99



PROJECT REFERENCE NO.	WBS-39759
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	
HYDRAULICS ENGINEER	
SHEET NO.	UO-4