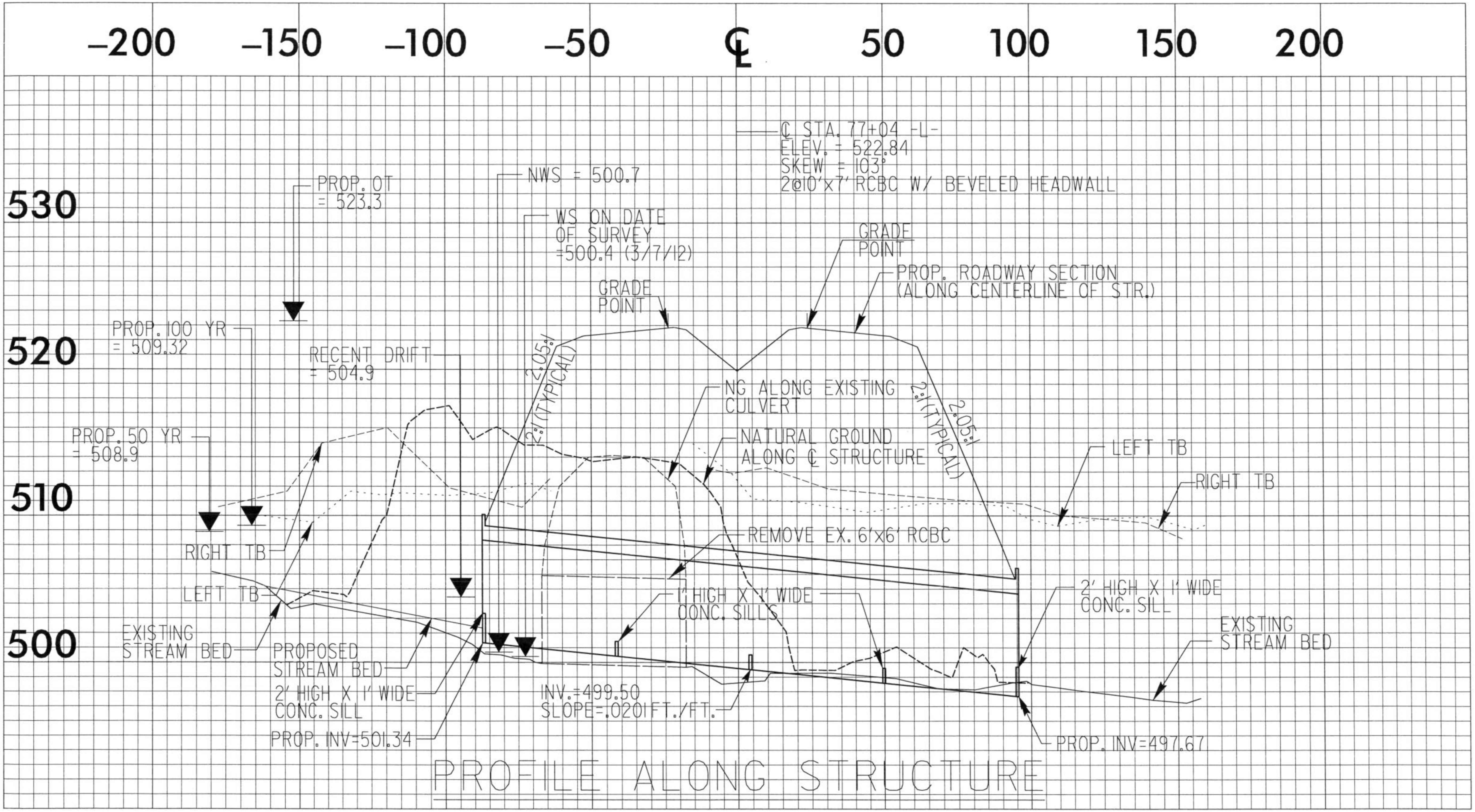
SITE 5

PERMIT DRAWING
SHEET 22 OF 91



PROFILE ALONG STRUCTURE

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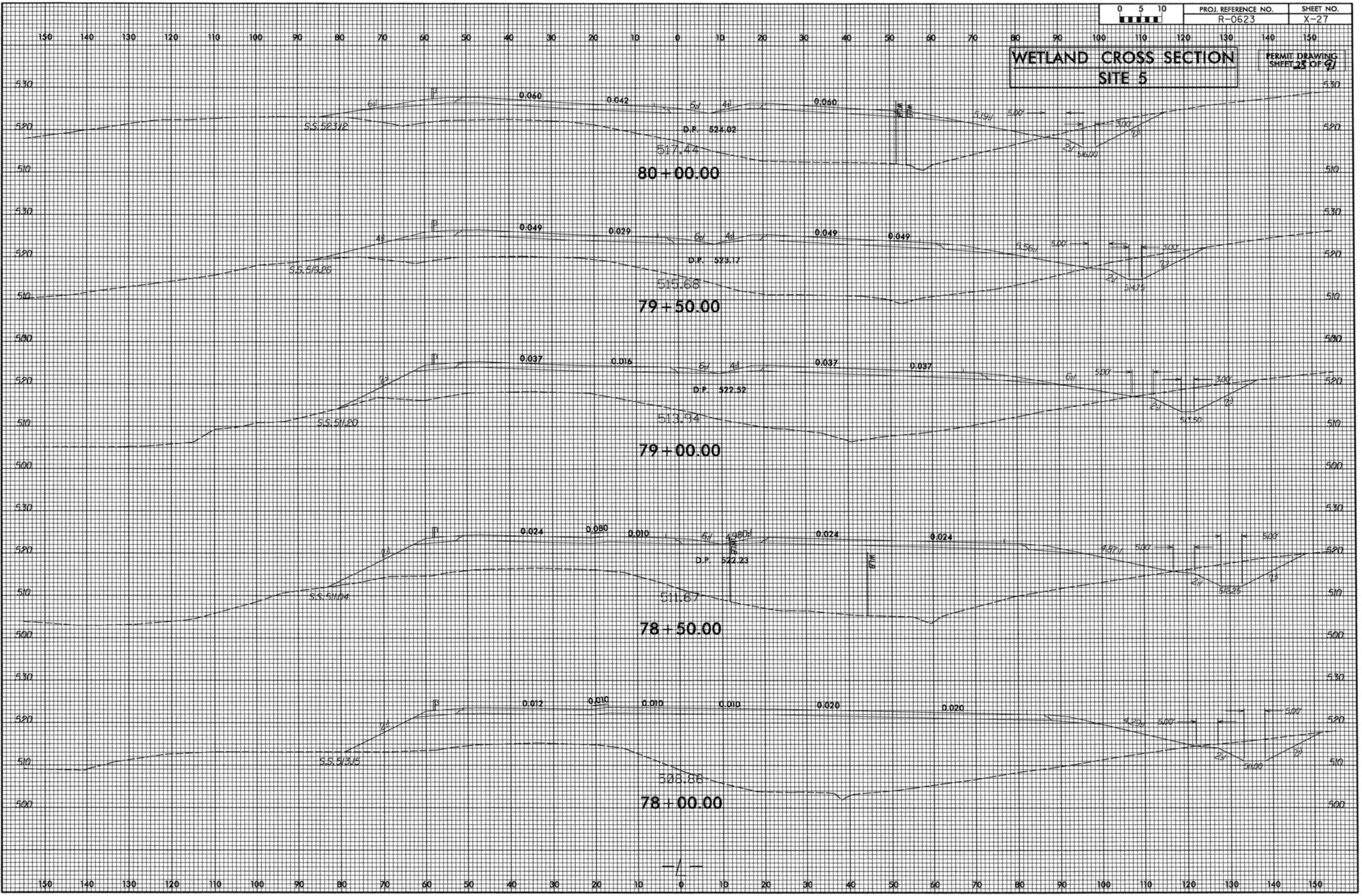
8/23/99

PROJ. REFERENCE NO.	SHEET NO.
R-0623	X-27

WETLAND CROSS SECTION
SITE 5

PERMIT DRAWING
SHEET 25 OF 91



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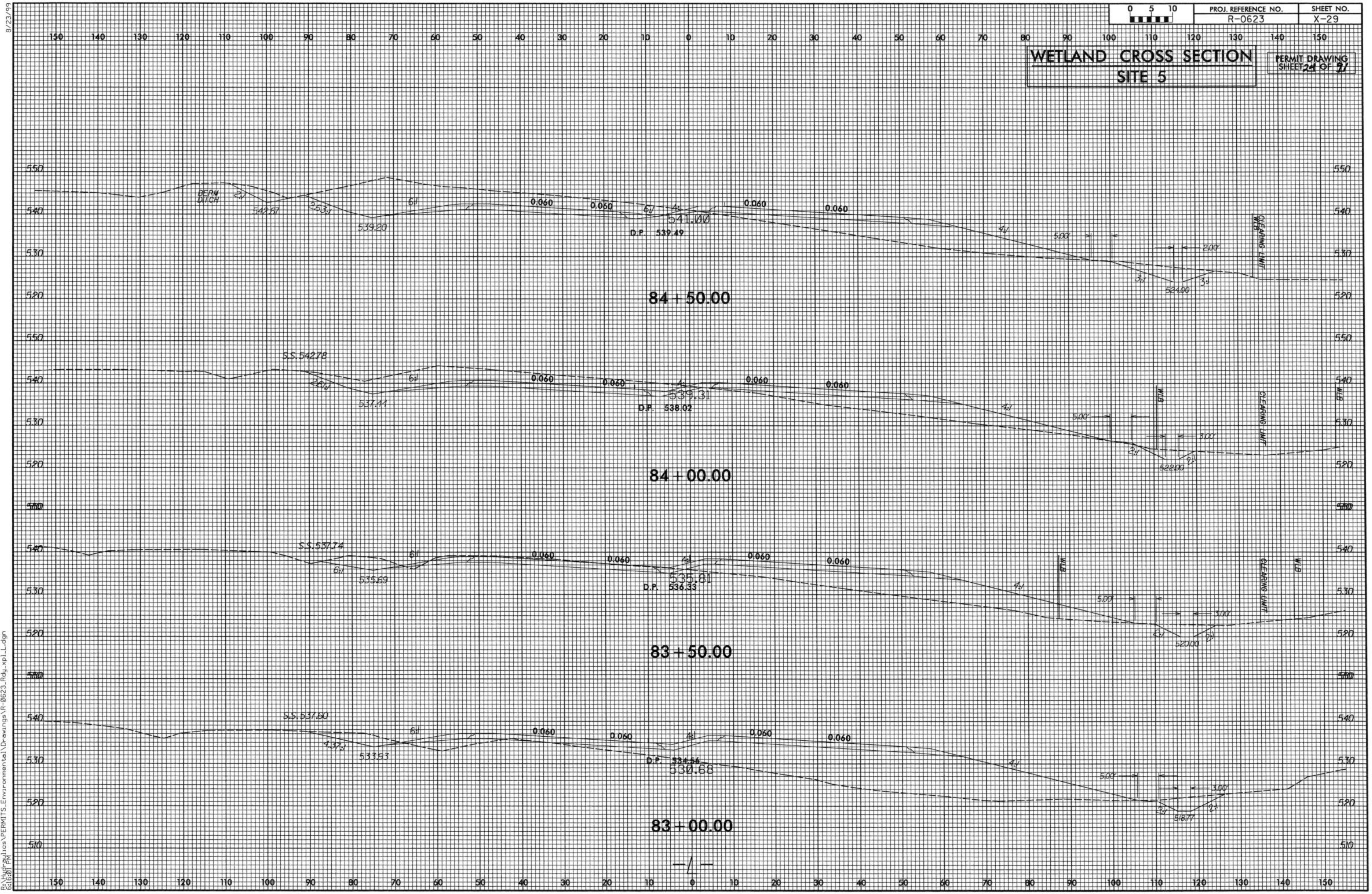
8/23/99

PROJ. REFERENCE NO.	SHEET NO.
R-0623	X-29

WETLAND CROSS SECTION
SITE 5

PERMIT DRAWING
SHEET 24 OF 91



8/17/99

6/14/2013
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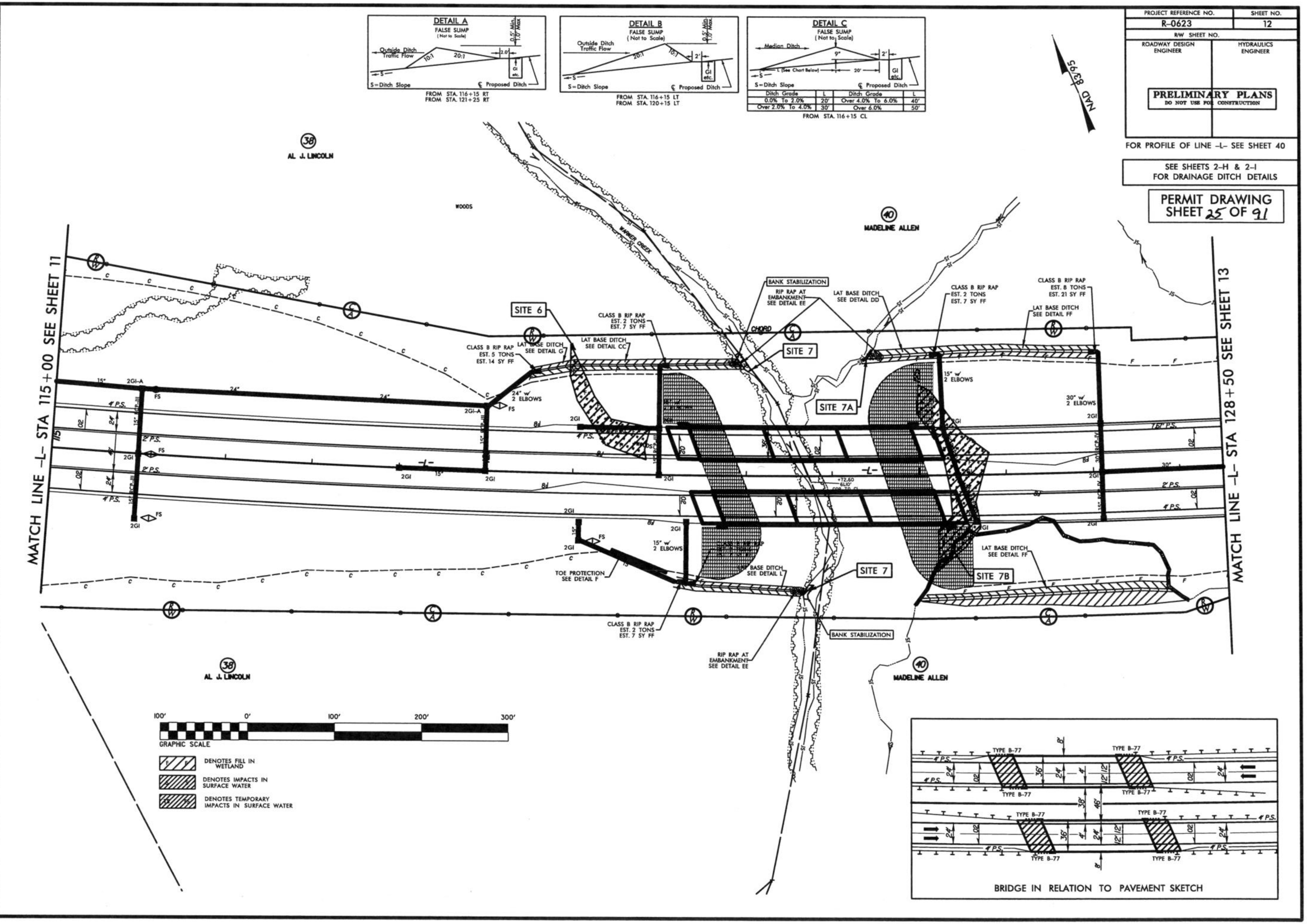


Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

FROM STA. 116+15 CL

PROJECT REFERENCE NO. R-0623
SHEET NO. 12
R/W SHEET NO.
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

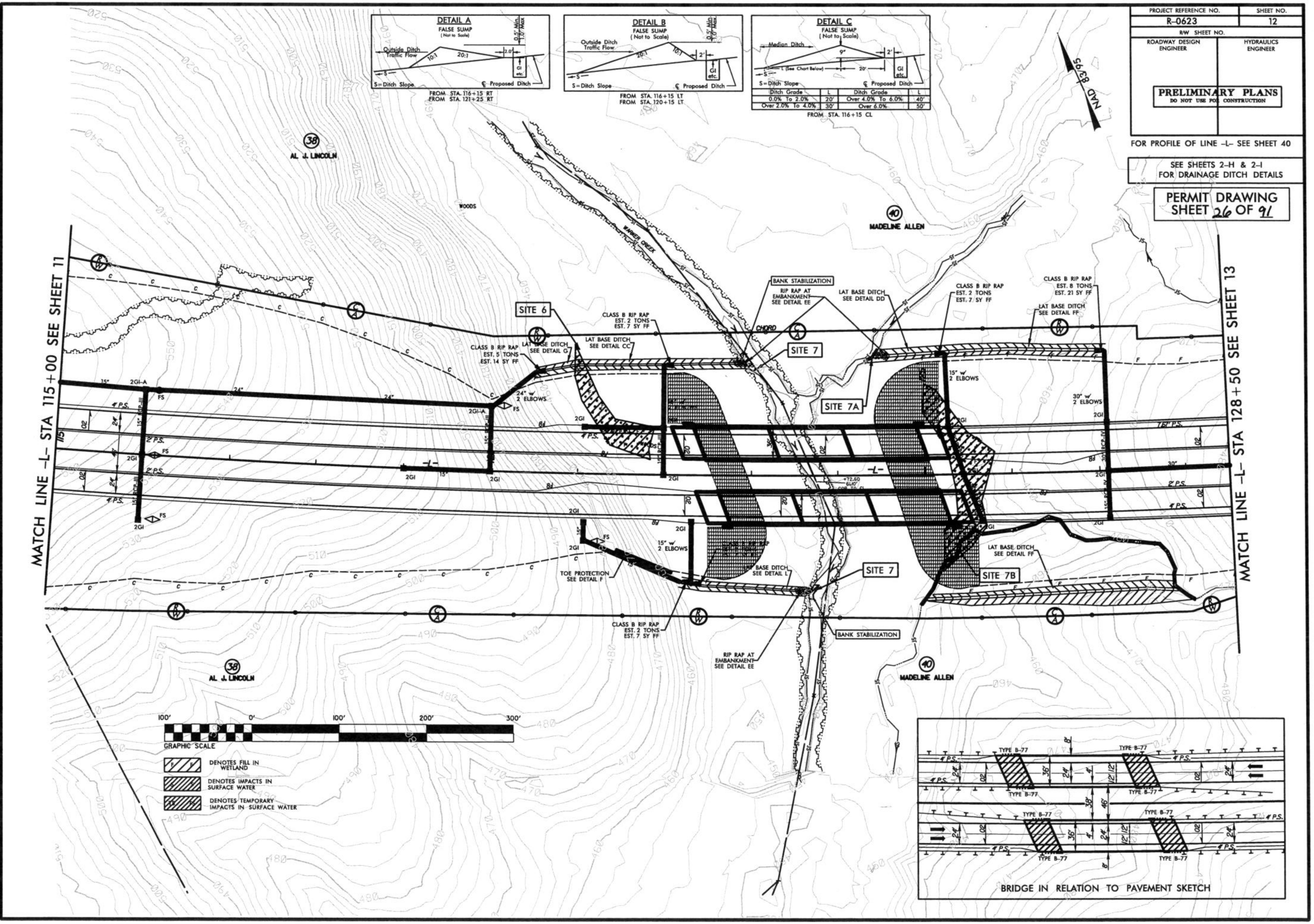
FOR PROFILE OF LINE -L- SEE SHEET 40

SEE SHEETS 2-H & 2-I
FOR DRAINAGE DITCH DETAILS

PERMIT DRAWING
SHEET 25 OF 91

REVISIONS

8/17/99



PROJECT REFERENCE NO.	SHEET NO.
R-0623	12
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

FOR PROFILE OF LINE -L- SEE SHEET 40

SEE SHEETS 2-H & 2-I
FOR DRAINAGE DITCH DETAILS

PERMIT DRAWING
SHEET 26 OF 91

6/14/2013
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5/2/2013
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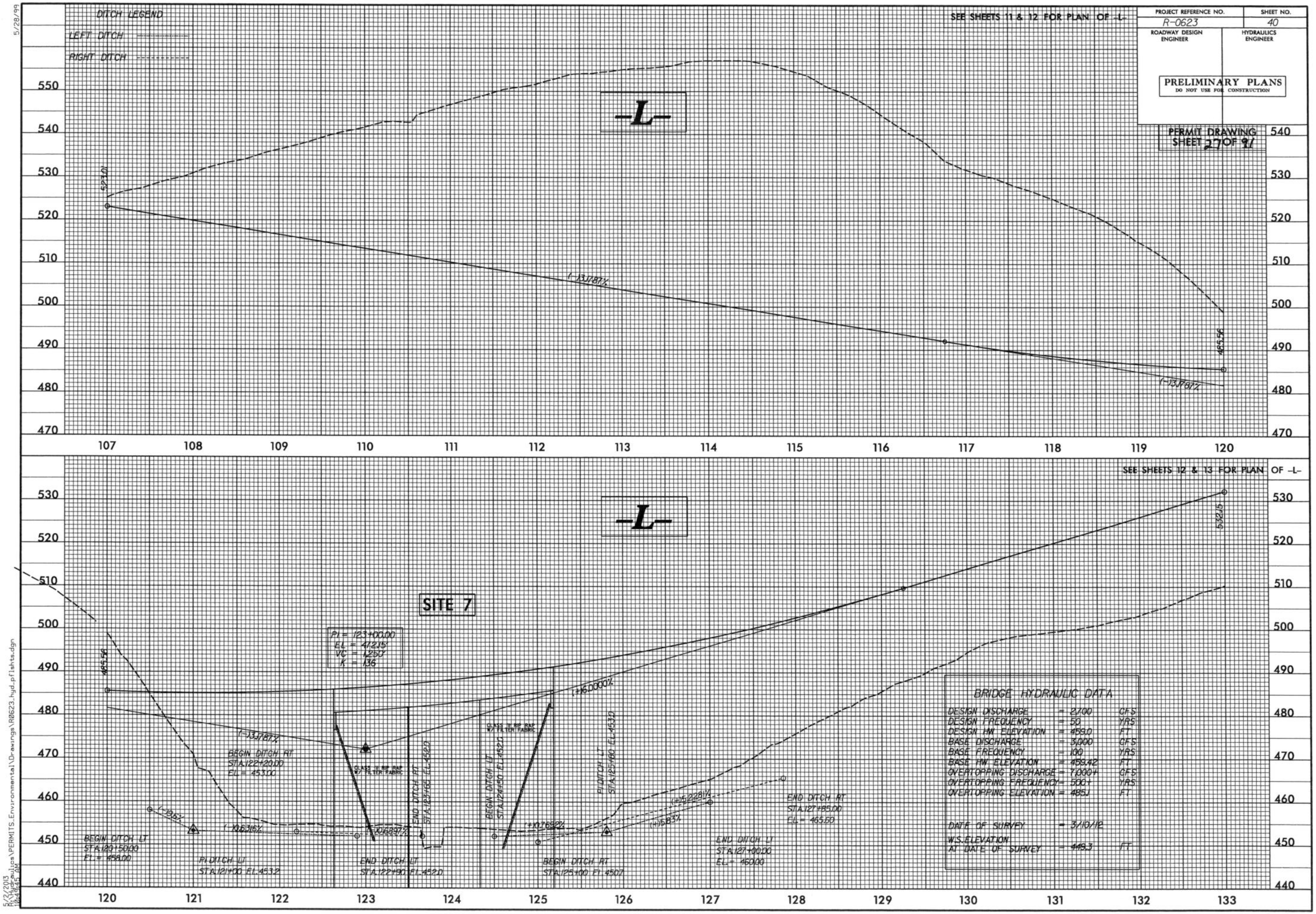
10:49:45 AM

5/28/99

PROJECT REFERENCE NO. R-0623
SHEET NO. 40
ROADWAY DESIGN ENGINEER
HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

PERMIT DRAWING
SHEET 27 OF 91



BRIDGE HYDRAULIC DATA

DESIGN DISCHARGE = 2700 CFS
DESIGN FREQUENCY = 50 YRS
DESIGN HW ELEVATION = 459.0 FT
BASE DISCHARGE = 3,000 CFS
BASE FREQUENCY = 100 YRS
BASE HW ELEVATION = 459.42 FT
OVERTOPPING DISCHARGE = 7,000+ CFS
OVERTOPPING FREQUENCY = 500+ YRS
OVERTOPPING ELEVATION = 485.1 FT

DATE OF SURVEY = 3/10/12

W.S. ELEVATION
AT DATE OF SURVEY = 449.3 FT

3/21/2013
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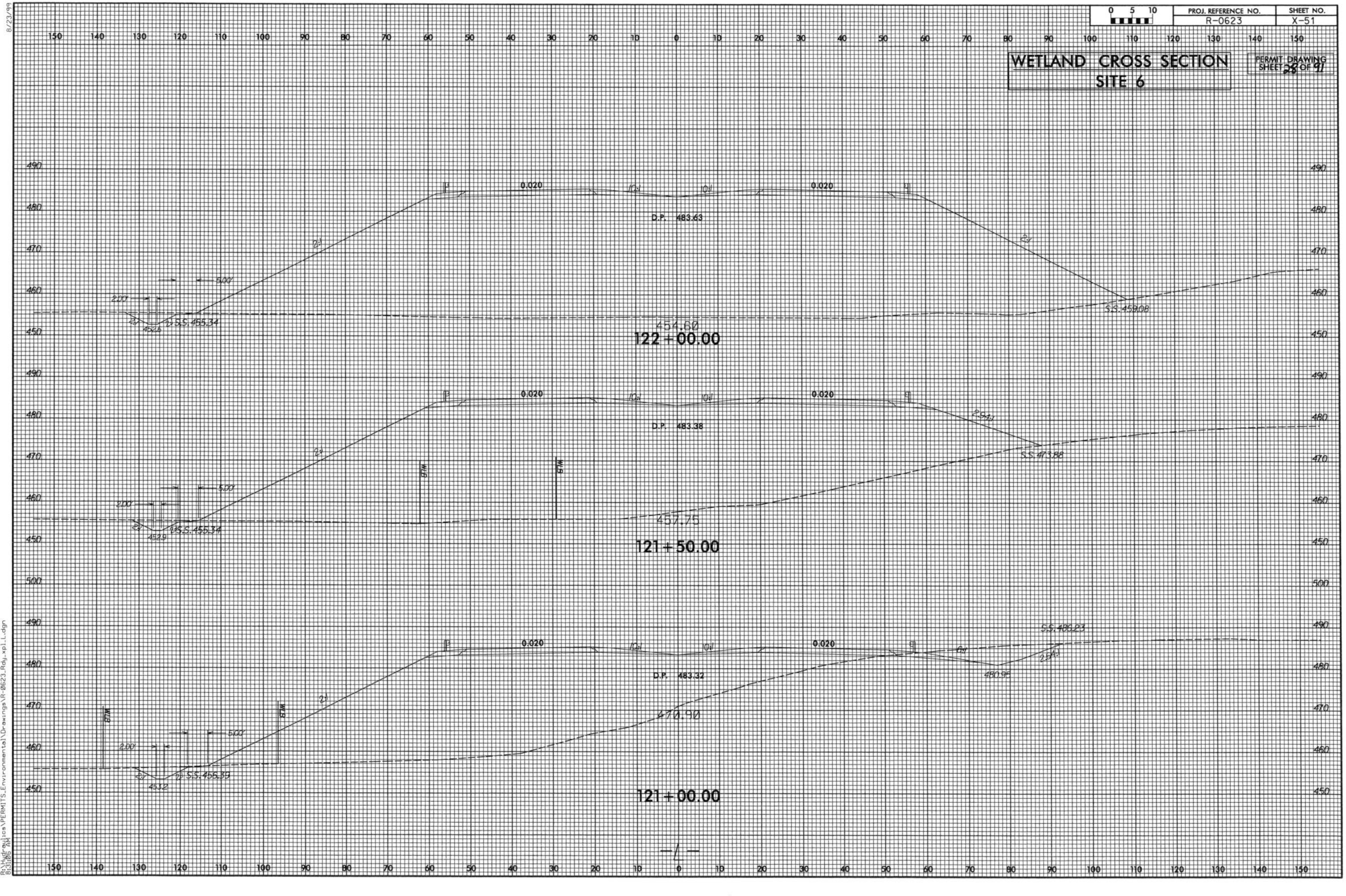
8:31:06 AM

8/23/99

PROJ. REFERENCE NO.	SHEET NO.
R-0623	X-51

WETLAND CROSS SECTION
SITE 6

PERMIT DRAWING
SHEET 28 OF 91



3/21/2013
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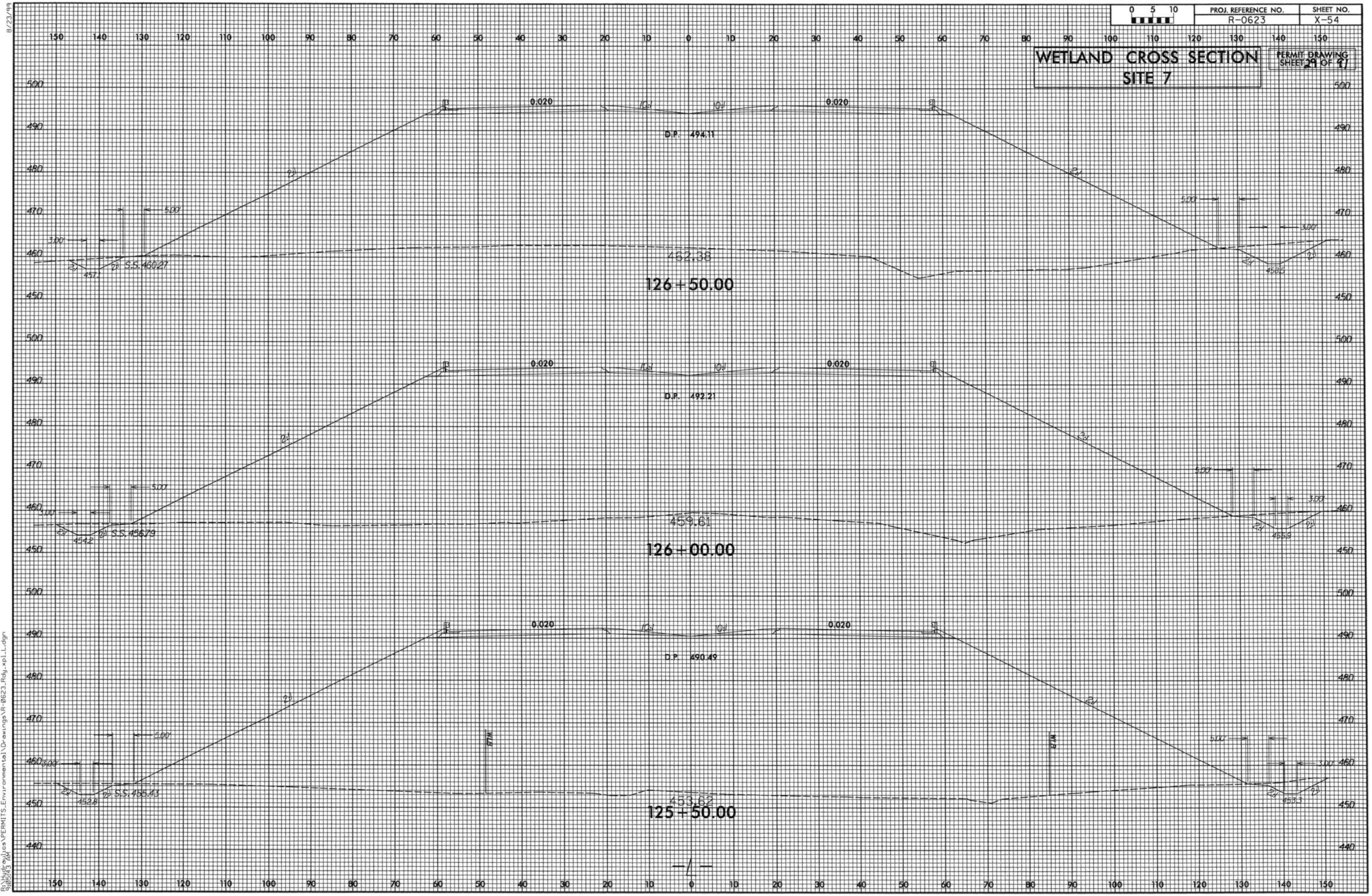
8/23/99

PROJ. REFERENCE NO.	SHEET NO.
R-0623	X-54

WETLAND CROSS SECTION
SITE 7

PERMIT DRAWING
SHEET 29 OF 41



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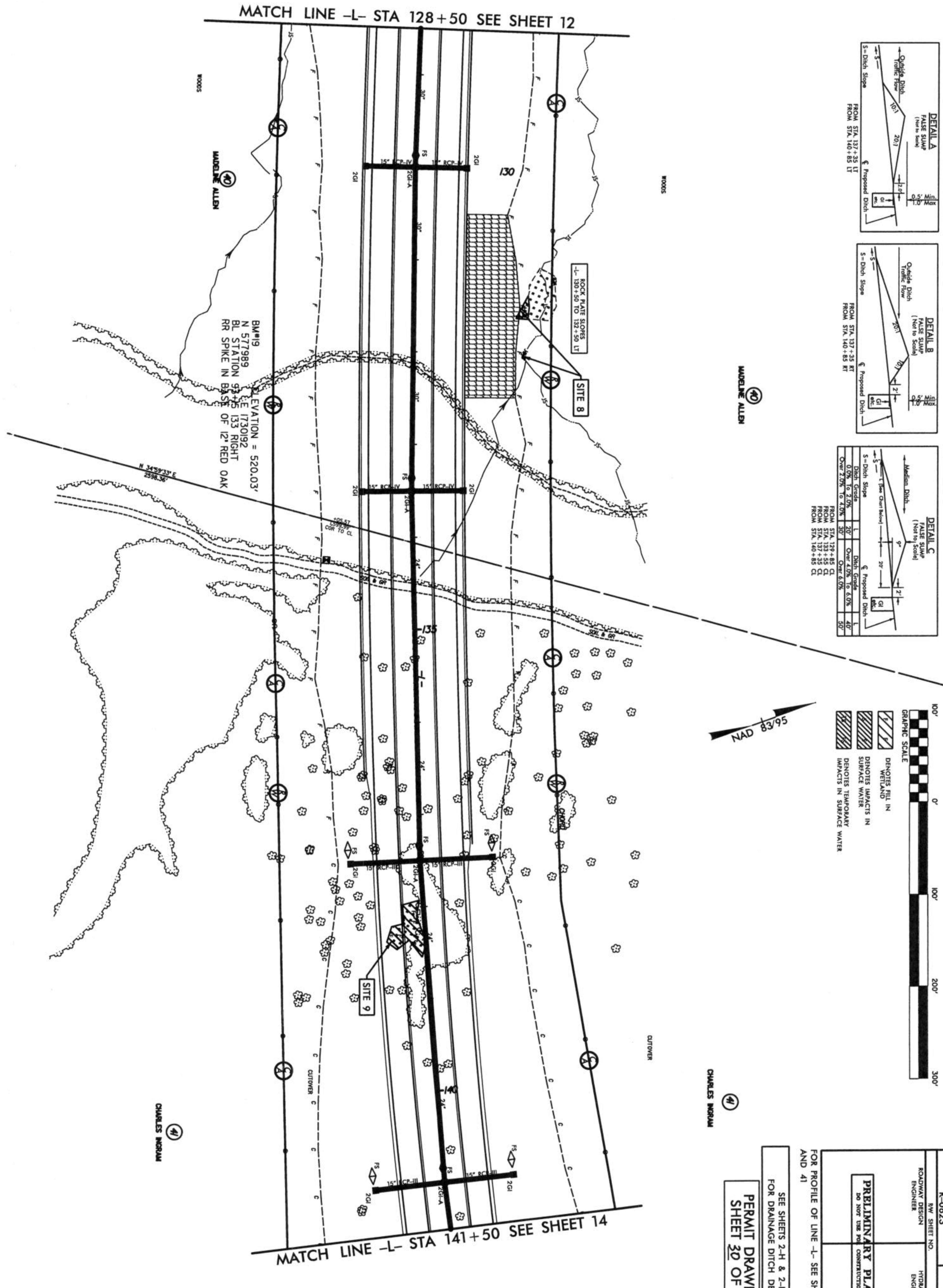
REVISIONS

8/17/99



Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'

FROM STA. 129+85 CL
FROM STA. 133+55 CL
FROM STA. 137+35 CL
FROM STA. 140+85 CL

PROJECT REFERENCE NO.	SHEET NO.
R-0623	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

FOR PROFILE OF LINE -L- SEE SHEETS 40 AND 41

SEE SHEETS 2-H & 2-I FOR DRAINAGE DITCH DETAILS

PERMIT DRAWING
SHEET 20 OF 91

6/14/2013
R:\Hydraulics\PERMITS_Environmental\Drawings\R0623_hyd_prm_psh_s13.dgn
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8/17/99

REVISIONS

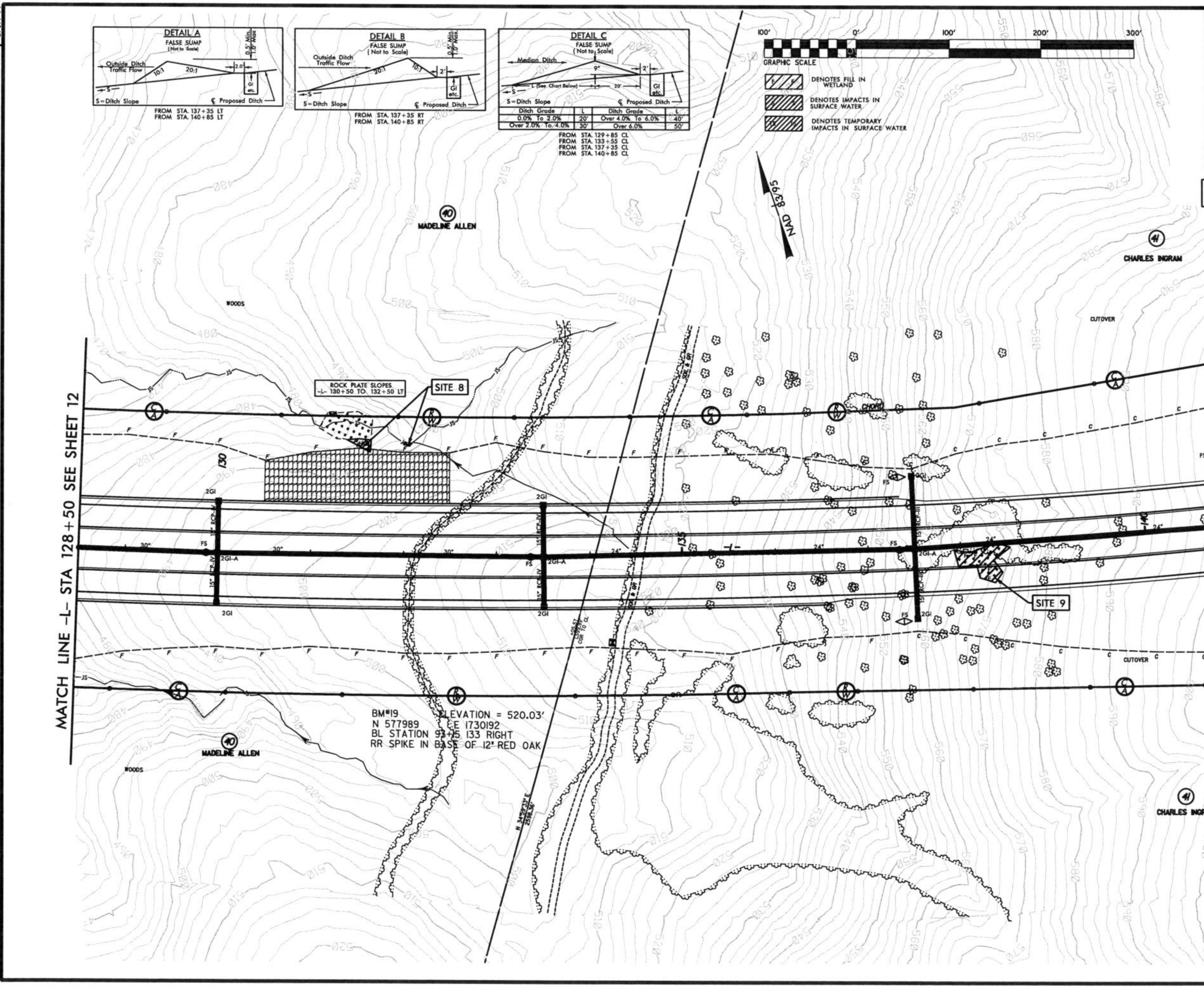
PROJECT REFERENCE NO.	SHEET NO.
R-0623	13
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PRELIMINARY PLANS
DO NOT USE FOR CONSTRUCTION

FOR PROFILE OF LINE -L- SEE SHEETS 40 AND 41

SEE SHEETS 2-H & 2-I
FOR DRAINAGE DITCH DETAILS

PERMIT DRAWING
SHEET 31 OF 91



Ditch Grade	L	Ditch Grade	L
0.0% To 2.0%	20'	Over 4.0% To 6.0%	40'
Over 2.0% To 4.0%	30'	Over 6.0%	50'