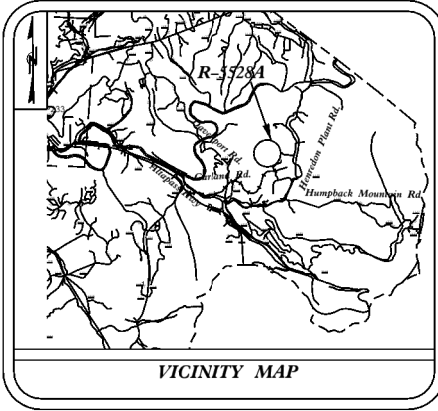


TIP PROJECT: R-5528A

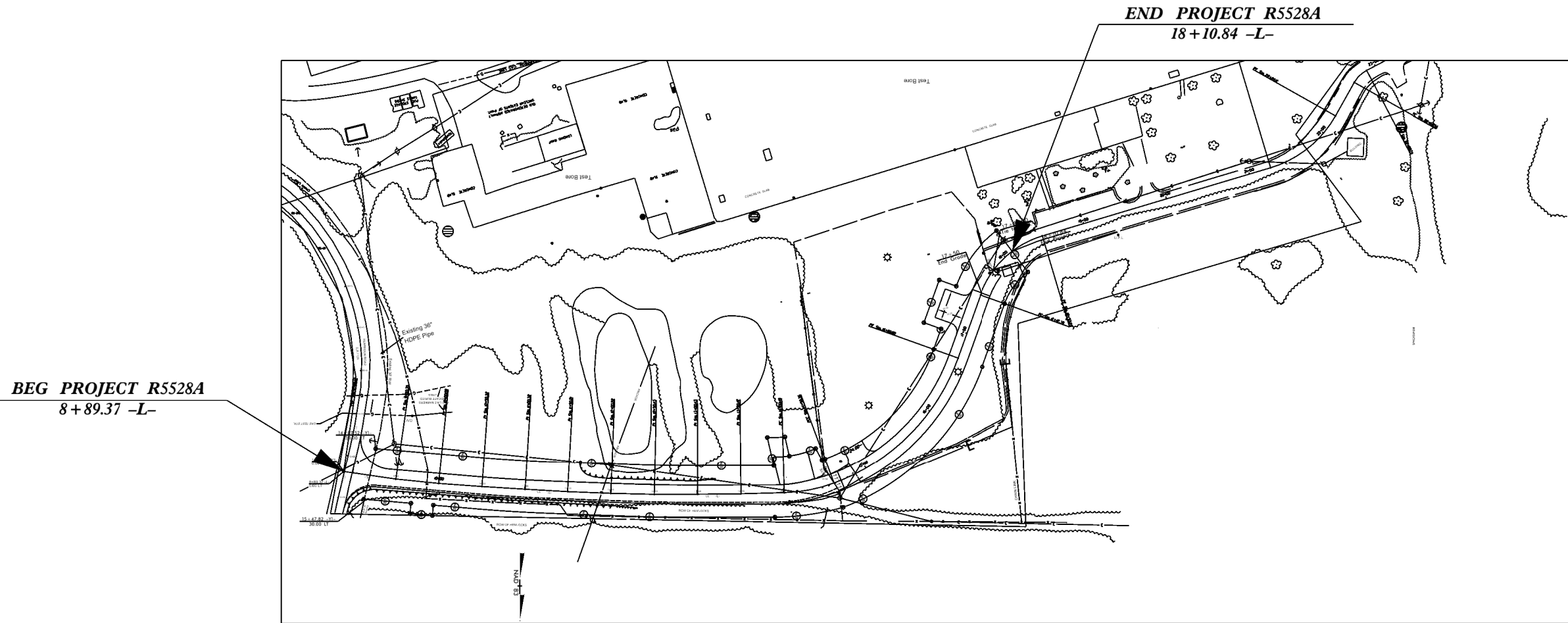
CONTRACT: DM00223



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS
MITCHELL COUNTY

LOCATION: NEW ADDITION OFF SR. 1129, 0.63 MILES NORTH OF SR. 1128
PROPERTY OF MITCHELL COUNTY DEVELOPMENT FOUNDATION
TYPE OF WORK: GRADING, DRAINAGE AND PAVING

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5528A	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
50101.3.2	APD-1129(16)	CONST	



BEG PROJECT R5528A
8+89.37 -L-

END PROJECT R5528A
18+10.84 -L-

\$\$\$\$\$SYTIME\$\$\$\$\$
\$\$\$\$\$DGN\$\$\$\$\$
\$\$\$\$\$USERNAME\$\$\$\$\$

<p>GRAPHIC SCALES</p>	<p>DESIGN DATA</p> <p>ADT _____ =</p> <p>ADT _____ =</p> <p>DHV = _____ %</p> <p>D = _____ %</p> <p>T = _____ % *</p> <p>V = _____ MPH</p> <p>* TTST = _____ DUAL _____</p> <p>FUNC CLASS = _____</p> <p>_____ TIER</p>	<p>PROJECT LENGTH</p> <p>LENGTH ROADWAY PROJECT R-5528A = 0.169</p> <p>TOTAL LENGTH ROADWAY PROJECT R-5528A = 0.169</p>	<p style="text-align: center;">Prepared In the Office of: DIVISION 13, DISTRICT 1 3931 NC226S, MARION, NC 28752</p> <hr/> <p>2012 STANDARD SPECIFICATIONS</p> <p>RIGHT OF WAY DATE: _____</p> <p>LETTING DATE: August 2, 2017</p>	<p style="text-align: center;">HYDRAULICS ENGINEER</p> <p>_____ P.E.</p> <p style="text-align: center;">ROADWAY DESIGN ENGINEER</p> <p>_____ P.E.</p>	
------------------------------	--	--	---	---	--

Note: Not to Scale
*S.U.E. = Subsurface Utility Engineering

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

BOUNDARIES AND PROPERTY:

Table listing symbols for boundaries and property: State Line, County Line, Township Line, City Line, Reservation Line, Property Line, Existing Iron Pin, Property Corner, Property Monument, Parcel/Sequence Number, Existing Fence Line, Proposed Woven Wire Fence, Proposed Chain Link Fence, Proposed Barbed Wire Fence, Existing Wetland Boundary, Proposed Wetland Boundary, Existing Endangered Animal Boundary, Existing Endangered Plant Boundary, Existing Historic Property Boundary, Known Soil Contamination: Area or Site, Potential Soil Contamination: Area or Site.

BUILDINGS AND OTHER CULTURE:

Table listing symbols for 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:

Table listing symbols for hydrology: Stream or Body of Water, Hydro, Pool or Reservoir, Jurisdictional Stream, Buffer Zone 1, Buffer Zone 2, Flow Arrow, Disappearing Stream, Spring, Wetland, Proposed Lateral, Tail, Head Ditch, False Sump.

RAILROADS:

Table listing symbols for railroads: Standard Gauge, RR Signal Milepost, Switch, RR Abandoned, RR Dismantled.

RIGHT OF WAY:

Table listing symbols for 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 RW Marker, Proposed Control of Access Line with Concrete CA Marker, Existing Control of Access, Proposed Control of Access, Existing Easement Line, Proposed Temporary Construction Easement, Proposed Temporary Drainage Easement, Proposed Permanent Drainage Easement, Proposed Permanent Drainage / Utility Easement, Proposed Permanent Utility Easement, Proposed Temporary Utility Easement, Proposed Aerial Utility Easement, Proposed Permanent Easement with Iron Pin and Cap Marker.

ROADS AND RELATED FEATURES:

Table listing symbols for roads and related features: Existing Edge of Pavement, Existing Curb, Proposed Slope Stakes Cut, Proposed Slope Stakes Fill, Proposed Curb Ramp, Existing Metal Guardrail, Proposed Guardrail, Existing Cable Guiderail, Proposed Cable Guiderail, Equality Symbol, Pavement Removal.

VEGETATION:

Table listing symbols for vegetation: Single Tree, Single Shrub, Hedge, Woods Line.

Table listing symbols for orchard and vineyard.

EXISTING STRUCTURES:

Table listing symbols for existing structures: MAJOR: Bridge, Tunnel or Box Culvert, Bridge Wing Wall, Head Wall and End Wall; MINOR: Head and End Wall, Pipe Culvert, Footbridge, Drainage Box: Catch Basin, DI or JB, Paved Ditch Gutter, Storm Sewer Manhole, Storm Sewer.

UTILITIES:

Table listing symbols for utilities: POWER: Existing Power Pole, Proposed Power Pole, Existing Joint Use Pole, Proposed Joint Use Pole, Power Manhole, Power Line Tower, Power Transformer, U/G Power Cable Hand Hole, H-Frame Pole, U/G Power Line LOS B, C, D; TELEPHONE: Existing Telephone Pole, Proposed Telephone Pole, Telephone Manhole, Telephone Pedestal, Telephone Cell Tower, U/G Telephone Cable Hand Hole, U/G Telephone Cable LOS B, C, D, U/G Telephone Conduit LOS B, C, D, U/G Fiber Optics Cable LOS B, C, D.

WATER:

Table listing symbols for water: Water Manhole, Water Meter, Water Valve, Water Hydrant, U/G Water Line LOS B, C, D, Above Ground Water Line.

TV:

Table listing symbols for TV: TV Pedestal, TV Tower, U/G TV Cable Hand Hole, U/G TV Cable LOS B, C, D, U/G Fiber Optic Cable LOS B, C, D.

GAS:

Table listing symbols for gas: Gas Valve, Gas Meter, U/G Gas Line LOS B, C, D, Above Ground Gas Line.

SANITARY SEWER:

Table listing symbols for sanitary sewer: Sanitary Sewer Manhole, Sanitary Sewer Cleanout, U/G Sanitary Sewer Line, Above Ground Sanitary Sewer, SS Forced Main Line LOS B, C, D.

MISCELLANEOUS:

Table listing symbols for miscellaneous: Utility Pole, Utility Pole with Base, Utility Located Object, Utility Traffic Signal Box, Utility Unknown U/G Line LOS B, U/G Tank; Water, Gas, Oil, Underground Storage Tank, Approx. Loc., A/G Tank; Water, Gas, Oil, Geoenvironmental Boring, U/G Test Hole LOS A, Abandoned According to Utility Records, End of Information.

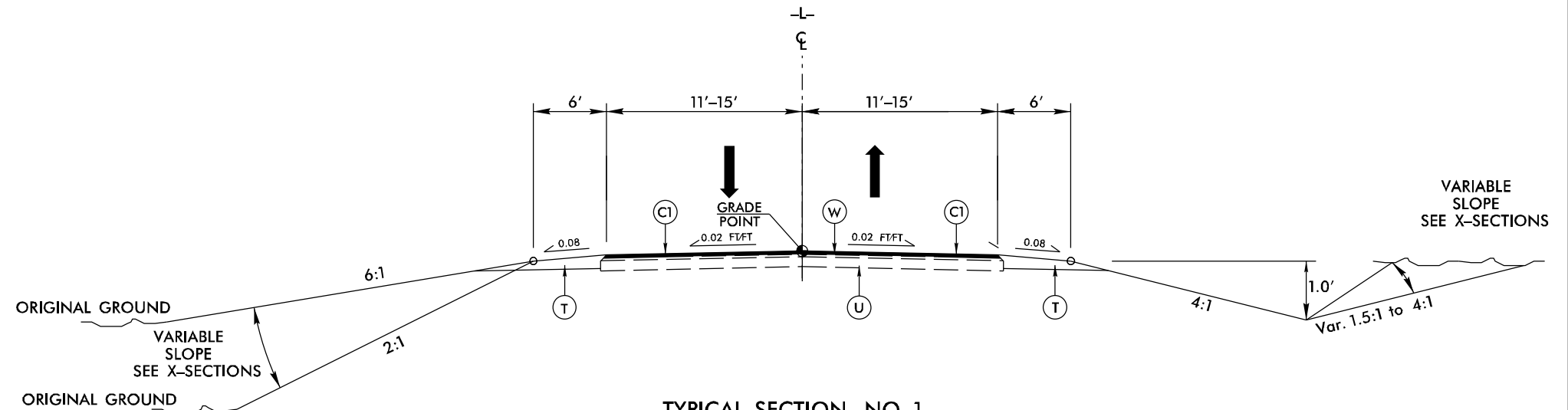
6/2/99

PROJECT REFERENCE NO. R-5528A	SHEET NO. 2A1
ROADWAY DESIGN ENGINEER	PAVEMENT DESIGN ENGINEER

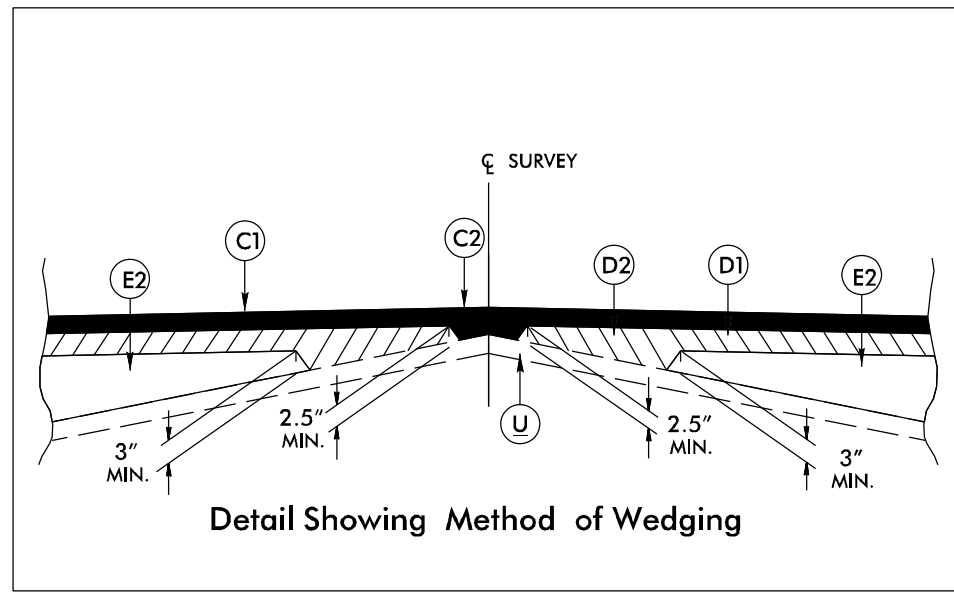
FINAL PAVEMENT SCHEDULE

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B, AT AN AVERAGE RATE OF 168 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.
D2	PROP. VAR. DEPTH ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE I19.0B, AT AN AVERAGE RATE OF 114 LBS. PER SQ. YD. PER 1" DEPTH, TO BE PLACED IN LAYERS NOT LESS THAN 2 1/2" IN DEPTH OR GREATER THAN 4" IN DEPTH.
T	EARTH MATERIAL
U	EXISTING PAVEMENT
W	VARIABLE DEPTH ASPHALT PAVEMENT (SEE WEDGING DETAILS)

NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE



TYPICAL SECTION NO. 1
 -L- STA 14+75.00 TO STA 21+30.55
 30' X 35' Turn Around

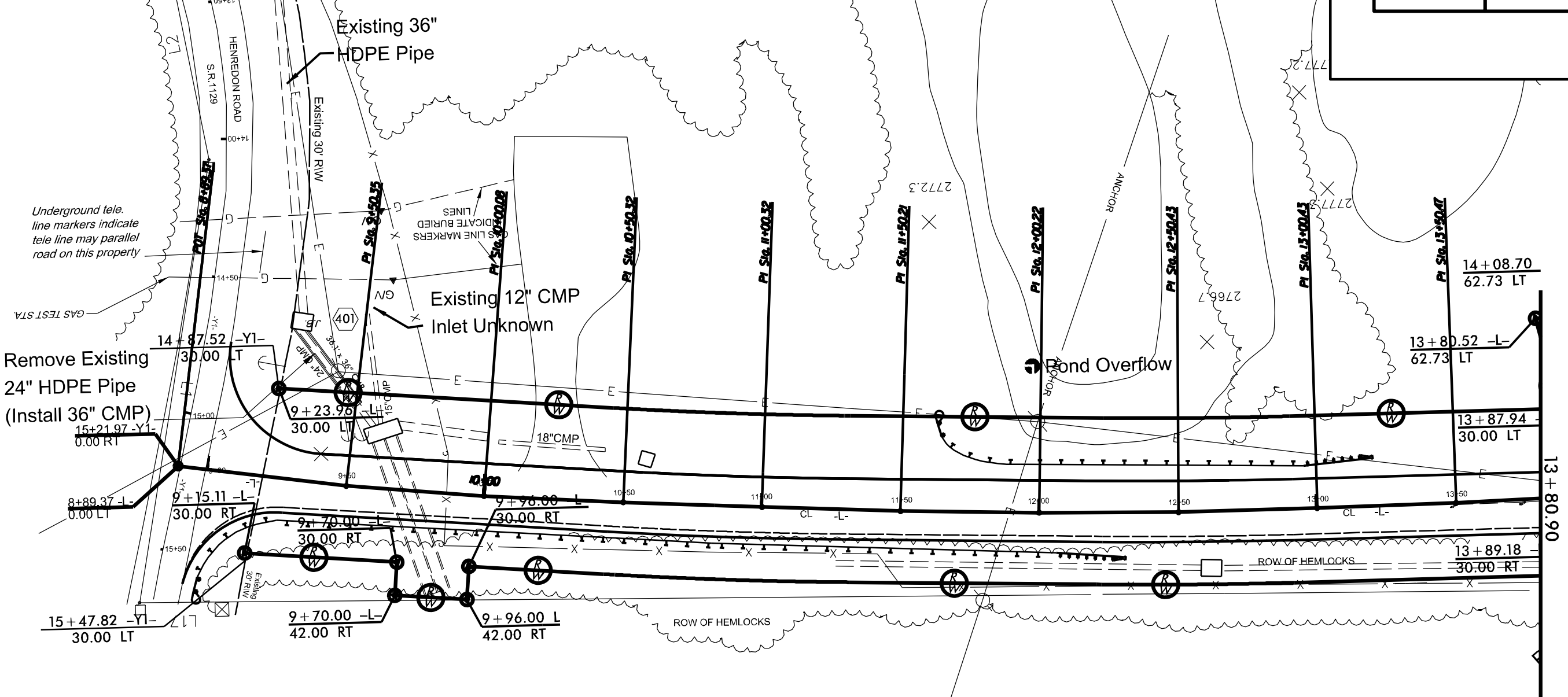


Detail Showing Method of Wedging

6/2/99

PROJECT REFERENCE NO.	SHEET NO.
R5528A	4
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

①
 Mitchell County Development Foundation, INC,
 North Carolina Nonprofit Corporation
 DB 547 PG 513-514



Remove Existing
 24" HDPE Pipe
 (Install 36" CMP)
 15+21.97 -Y1-
 0.00 RT

DB 449 PG 590
 BIDDIX TERRY BRUCE & VALERIE
 1709-00-97-0698

DB 295 PG 389
 HARKEY RAY ETAL
 1709-00-87-8712

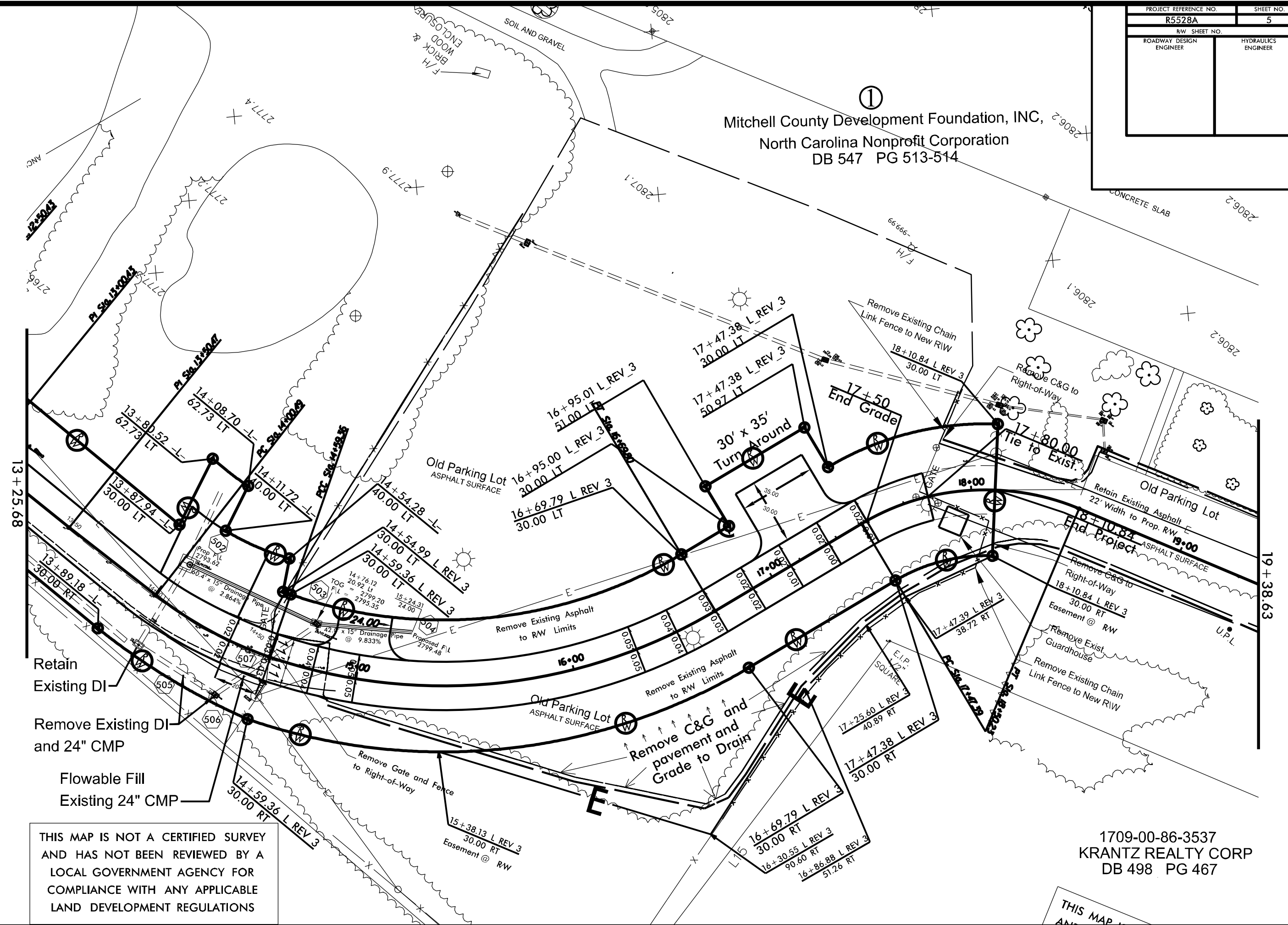


THIS MAP IS NOT A CERTIFIED SURVEY
 AND HAS NOT BEEN REVIEWED BY A
 LOCAL GOVERNMENT AGENCY FOR
 COMPLIANCE WITH ANY APPLICABLE
 LAND DEVELOPMENT REGULATIONS

REVISIONS
 8/17/17
 8/17/17

PROJECT REFERENCE NO.	SHEET NO.
R5528A	5
R/W SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

①
 Mitchell County Development Foundation, INC,
 North Carolina Nonprofit Corporation
 DB 547 PG 513-514



REVISIONS

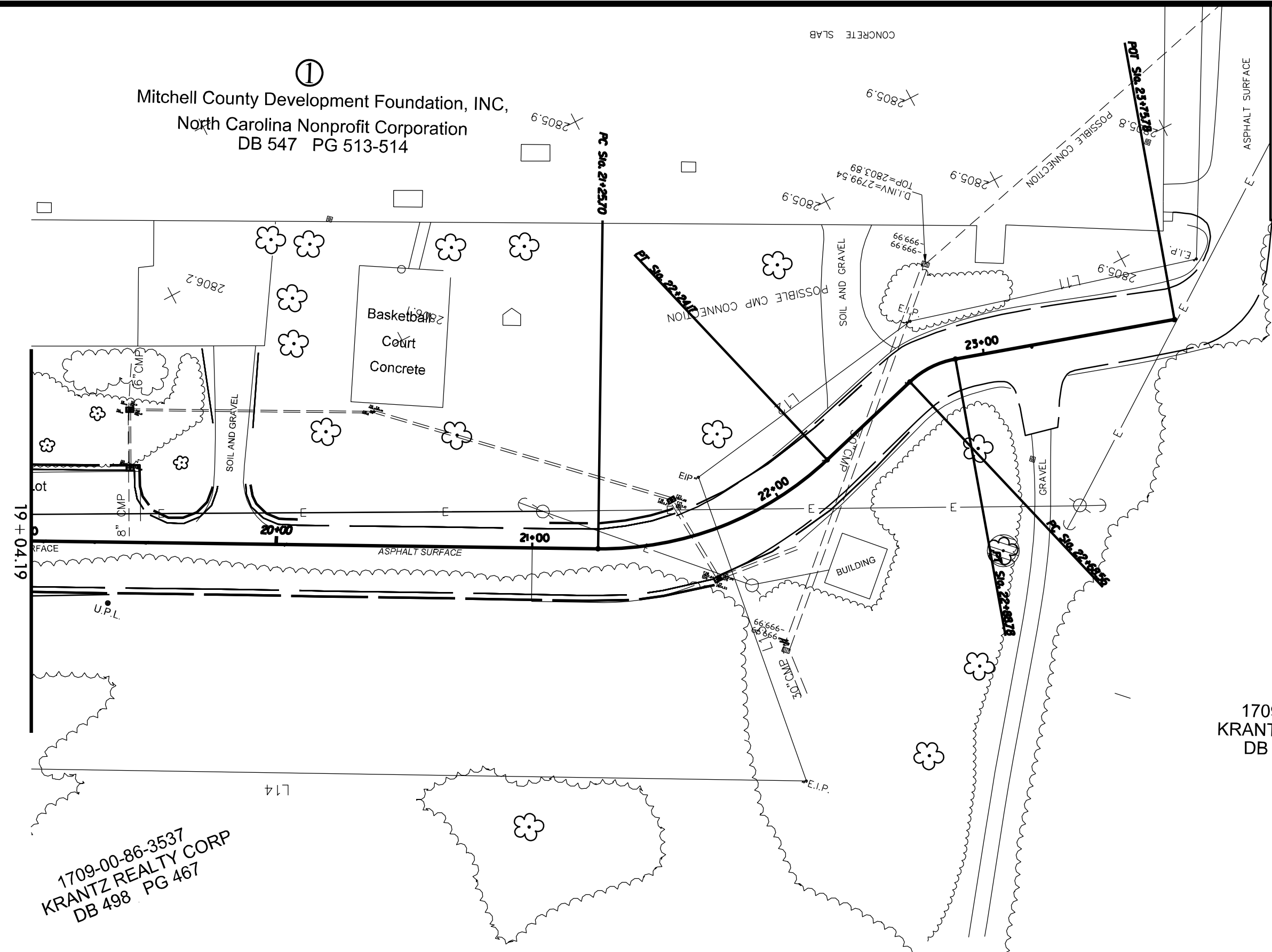
THIS MAP IS NOT A CERTIFIED SURVEY
 AND HAS NOT BEEN REVIEWED BY A
 LOCAL GOVERNMENT AGENCY FOR
 COMPLIANCE WITH ANY APPLICABLE
 LAND DEVELOPMENT REGULATIONS

1709-00-86-3537
 KRANTZ REALTY CORP
 DB 498 PG 467

THIS MAP IS NOT A CERTIFIED SURVEY

PROJECT REFERENCE NO.	SHEET NO.
R5528A	6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

①
 Mitchell County Development Foundation, INC,
 North Carolina Nonprofit Corporation
 DB 547 PG 513-514



1709-00-86-3537
 KRANTZ REALTY CORP
 DB 498 PG 467

1709-00-86-3537
 KRANTZ REALTY CORP
 DB 498 PG 467

THIS MAP IS NOT A CERTIFIED SURVEY
 AND HAS NOT BEEN REVIEWED BY A
 LOCAL GOVERNMENT AGENCY FOR
 COMPLIANCE WITH ANY APPLICABLE
 LAND DEVELOPMENT REGULATIONS

REVISIONS
 8.17/99

TIP PROJECT: R5528A

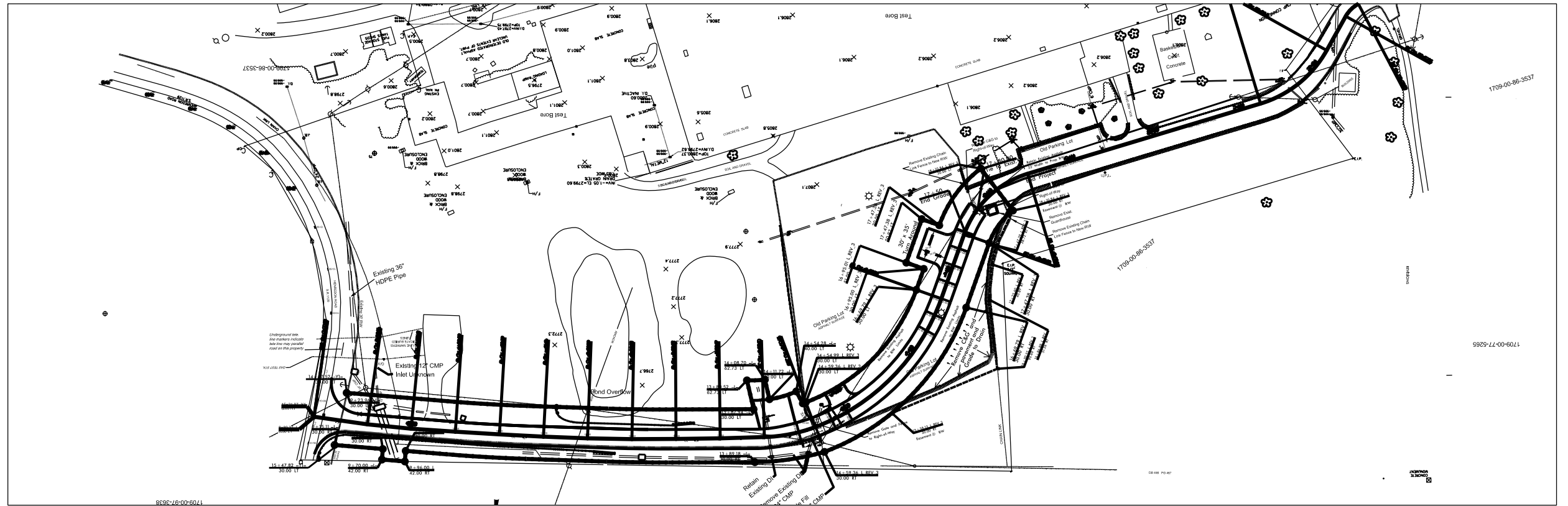
STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS
 PLAN FOR PROPOSED
 HIGHWAY EROSION CONTROL
MITCHELL COUNTY

LOCATION: NEW ADDITION OFF SR. 1129, 0.63 MILES NORTH OF SR. 1128
 PROPERTY OF MITCHELL COUNTY DEVELOPMENT FOUNDATION
 TYPE OF WORK: GRADING, DRAINAGE AND PAVING
 TYPE OF WORK: GRADING, PAVING, DRAINAGE, STRUCTURE

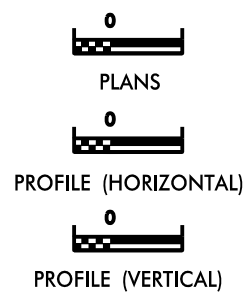
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R5528A	EC-1	
STATE PROJ. NO.	P.A. PROJ. NO.	DESCRIPTION	
5010132	APD-1129(16)	CONST	

EROSION AND SEDIMENT CONTROL MEASURES

Std. #	Description	Symbol
1605.01	Temporary Silt Fence	—■—■—■
1633.01	Temporary Rock Silt Check Type-A	▨
1632.03	Inlet Protection Type C	□
	Wattle	—) —



GRAPHIC SCALE



THESE EROSION AND SEDIMENT CONTROL PLANS COMPLY
 WITH THE REGULATIONS SET FORTH BY THE
 NCG-010000 GENERAL CONSTRUCTION PERMIT EFFECTIVE AUGUST 3, 2011
 ISSUED BY THE NORTH CAROLINA DEPARTMENT OF ENVIRONMENT AND
 NATURAL RESOURCES DIVISION OF WATER QUALITY.

Prepared in the Office of:
DIVISION 13, DISTRICT 1
 3931 NC226S
 Marion, NC 28752
2012 STANDARD SPECIFICATIONS

Designed by: _____
 Jonathan C. Young 3247
 NAME LEVEL III CERTIFICATION NO.

Roadway Standard Drawings

The following roadway english standards as appear in "Roadway Standard Drawings"—Roadway Design Unit – N. C. Department of Transportation – Raleigh, N. C., dated January 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

1604.01 Railroad Erosion Control Detail	1632.01 Rock Inlet Sediment Trap Type A
1605.01 Temporary Silt Fence	1632.02 Rock Inlet Sediment Trap Type J
1606.01 Special Sediment Control Fence	1632.03 Rock Inlet Sediment Trap Type C
1607.01 Gravel Construction Entrance	1633.01 Temporary Rock Silt Check Type A
1622.01 Temporary Berms and Slope Drains	1633.02 Temporary Rock Silt Check Type J
1630.01 Riser Basin	1634.01 Temporary Rock Sediment Dam Type A
1630.02 Silt Basin Type J	1634.02 Temporary Rock Sediment Dam Type J
1630.03 Temporary Silt Ditch	1635.01 Rock Pipe Inlet Sediment Trap Type A
1630.04 Stilling Basin	1635.02 Rock Pipe Inlet Sediment Trap Type J
1630.05 Temporary Diversion	1640.01 Coir Fiber Jaffle
1630.06 Special Stilling Basin	1645.01 Temporary Stream Crossing
1631.01 Matting Installation	

DIVISION OF HIGHWAYS
STATE OF NORTH CAROLINA

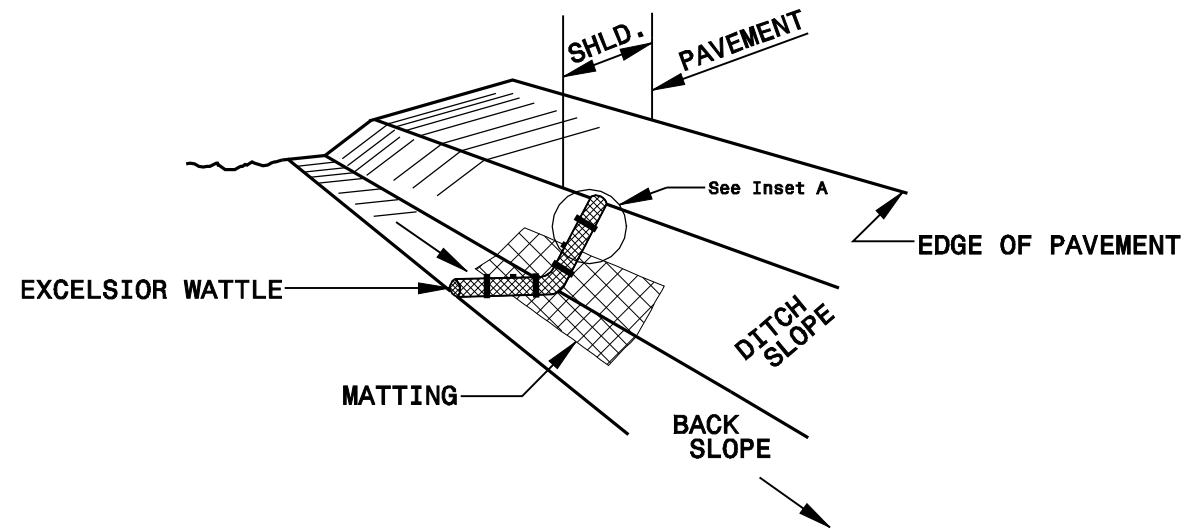
SOIL STABILIZATION TIMEFRAMES

PROJECT REFERENCE NO. <i>R-5528A</i>	SHEET NO. <i>EC-2</i>
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

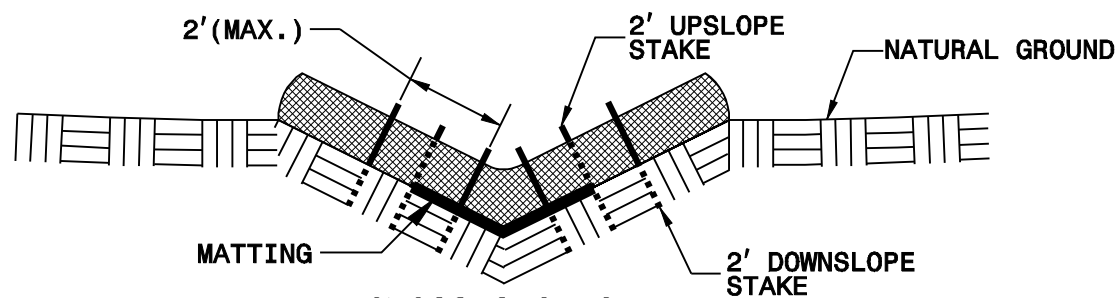
<i>SITE DESCRIPTION</i>	<i>STABILIZATION TIME</i>	<i>TIMEFRAME EXCEPTIONS</i>
PERIMETER DIKES, SWALES, DITCHES AND SLOPES	7 DAYS	NONE
HIGH QUALITY WATER (HQW) ZONES	7 DAYS	NONE
SLOPES STEEPER THAN 3:1	7 DAYS	IF SLOPES ARE 10' OR LESS IN LENGTH AND ARE NOT STEEPER THAN 2:1, 14 DAYS ARE ALLOWED.
SLOPES 3:1 OR FLATTER	14 DAYS	7 DAYS FOR SLOPES GREATER THAN 50' IN LENGTH.
ALL OTHER AREAS WITH SLOPES FLATTER THAN 4:1	14 DAYS	NONE, EXCEPT FOR PERIMETERS AND HQW ZONES.

PROJECT REFERENCE NO. <i>R-5528A</i>	SHEET NO. <i>EC-3</i>
RWY SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

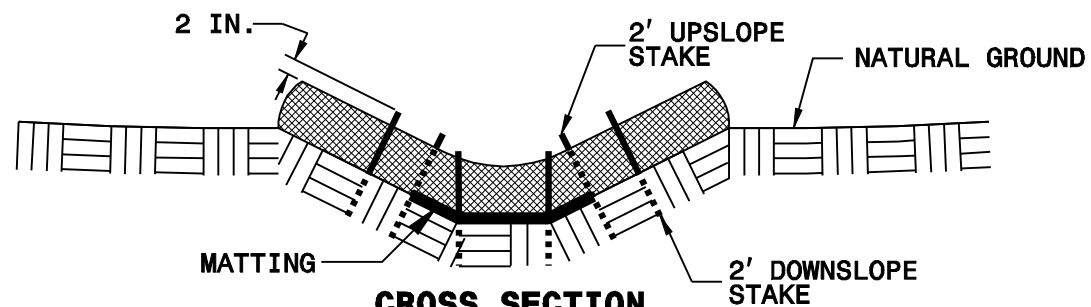
WATTLE DETAIL



ISOMETRIC VIEW



**CROSS SECTION
VEE DITCH**



**CROSS SECTION
TRAPEZOIDAL DITCH**

NOTES:

USE MINIMUM 12 IN. DIAMETER EXCELSIOR WATTLE.

USE 2 FT. WOODEN STAKES WITH A 2 IN. BY 2 IN. NOMINAL CROSS SECTION.

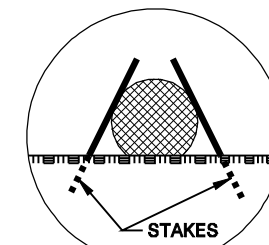
ONLY INSTALL WATTLE(S) TO A HEIGHT IN DITCH SO FLOW WILL NOT WASH AROUND WATTLE AND SCOUR DITCH SLOPES AND AS DIRECTED.

INSTALL A MINIMUM OF 2 UPSLOPE STAKES AND 4 DOWNSLOPE STAKES AT AN ANGLE TO WEDGE WATTLE TO BOTTOM OF DITCH.

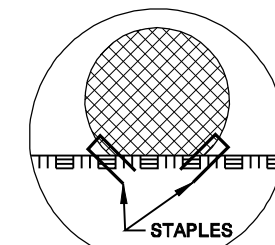
PROVIDE STAPLES MADE OF 0.125 IN. DIAMETER STEEL WIRE FORMED INTO A U SHAPE NOT LESS THAN 12" IN LENGTH.

INSTALL STAPLES APPROXIMATELY EVERY 1 LINEAR FOOT ON BOTH SIDES OF WATTLE AND AT EACH END TO SECURE IT TO THE SOIL.

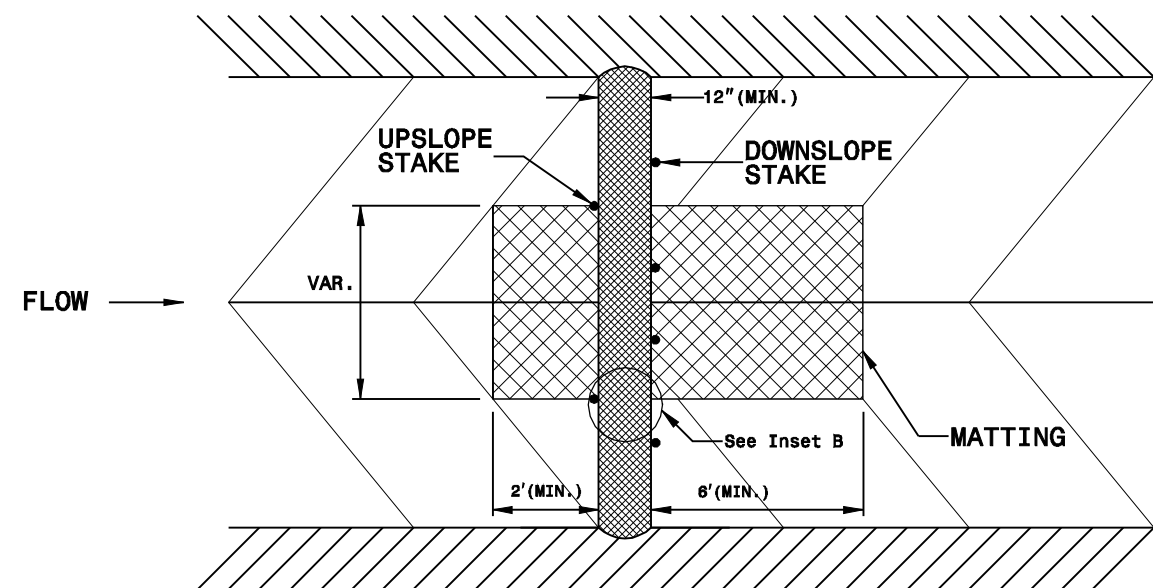
INSTALL MATTING IN ACCORDANCE WITH SECTION 1631 OF THE STANDARD SPECIFICATIONS.



INSET A



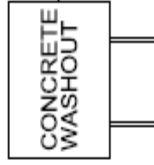
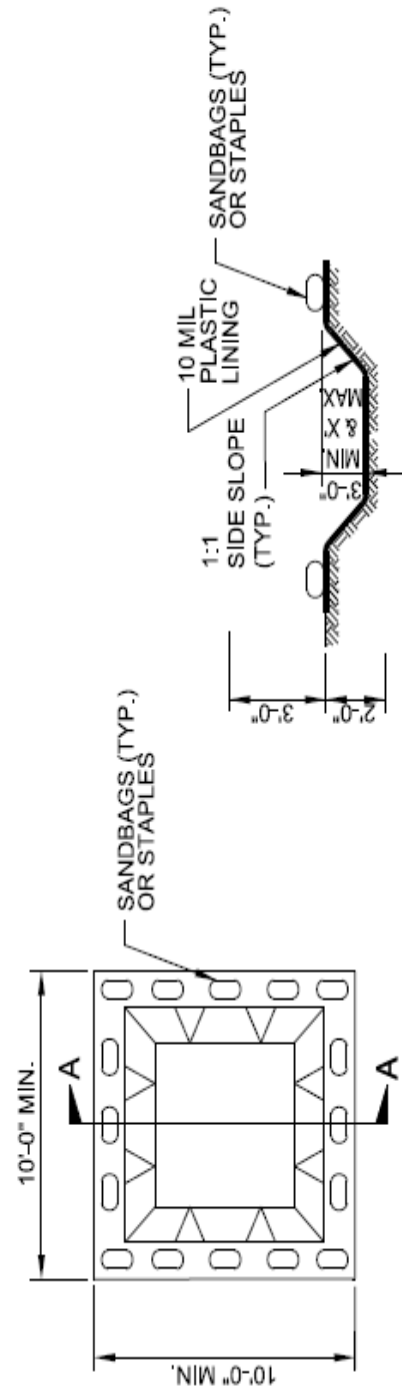
INSET B



TOP VIEW

WITH LINER, NO GRAVEL APPROACH

ONSITE CONCRETE WASHOUT STRUCTURE WITH LINER



CLEARLY MARKED SIGNAGE NOTING DEVICE (18"X24" MIN.)

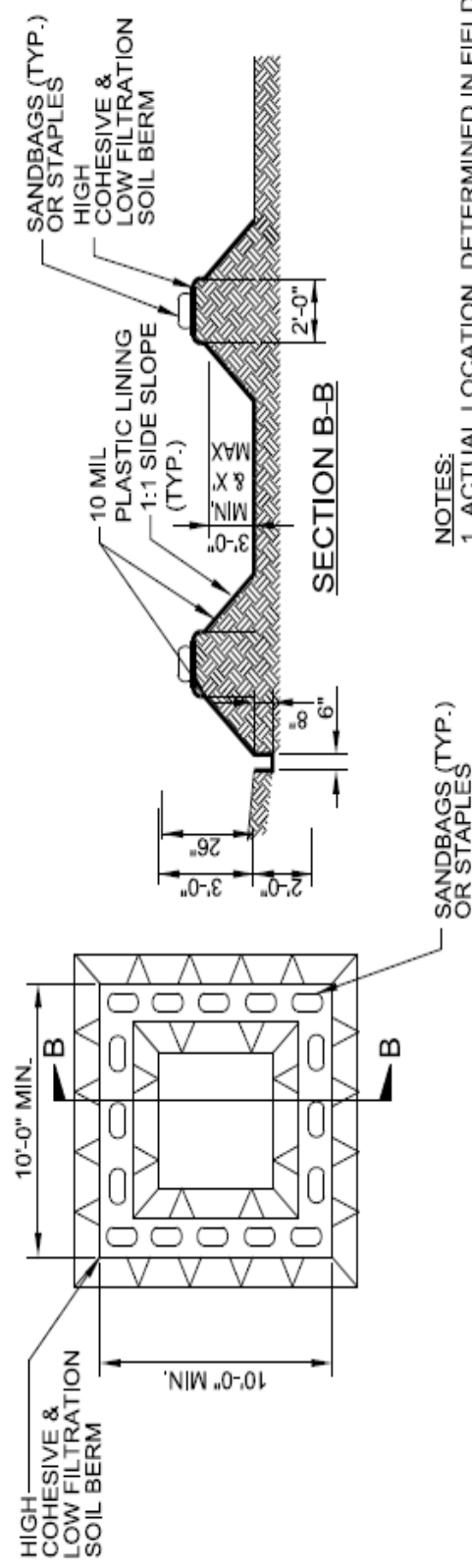
SECTION A-A

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

BELOW GRADE WASHOUT STRUCTURE

NOT TO SCALE



CLEARLY MARKED SIGNAGE NOTING DEVICE (18"X24" MIN.)

SANDBAGS (TYP.) OR STAPLES

SECTION B-B

- NOTES:
1. ACTUAL LOCATION DETERMINED IN FIELD
 2. THE CONCRETE WASHOUT STRUCTURES SHALL BE MAINTAINED WHEN THE LIQUID AND/OR SOLID REACHES 75% OF THE STRUCTURES CAPACITY TO PROVIDE ADEQUATE HOLDING CAPACITY WITH A MINIMUM 12 INCHES OF FREEBOARD.
 3. CONCRETE WASHOUT STRUCTURE NEEDS TO BE CLEARLY MARKED WITH SIGNAGE NOTING DEVICE.

PLAN

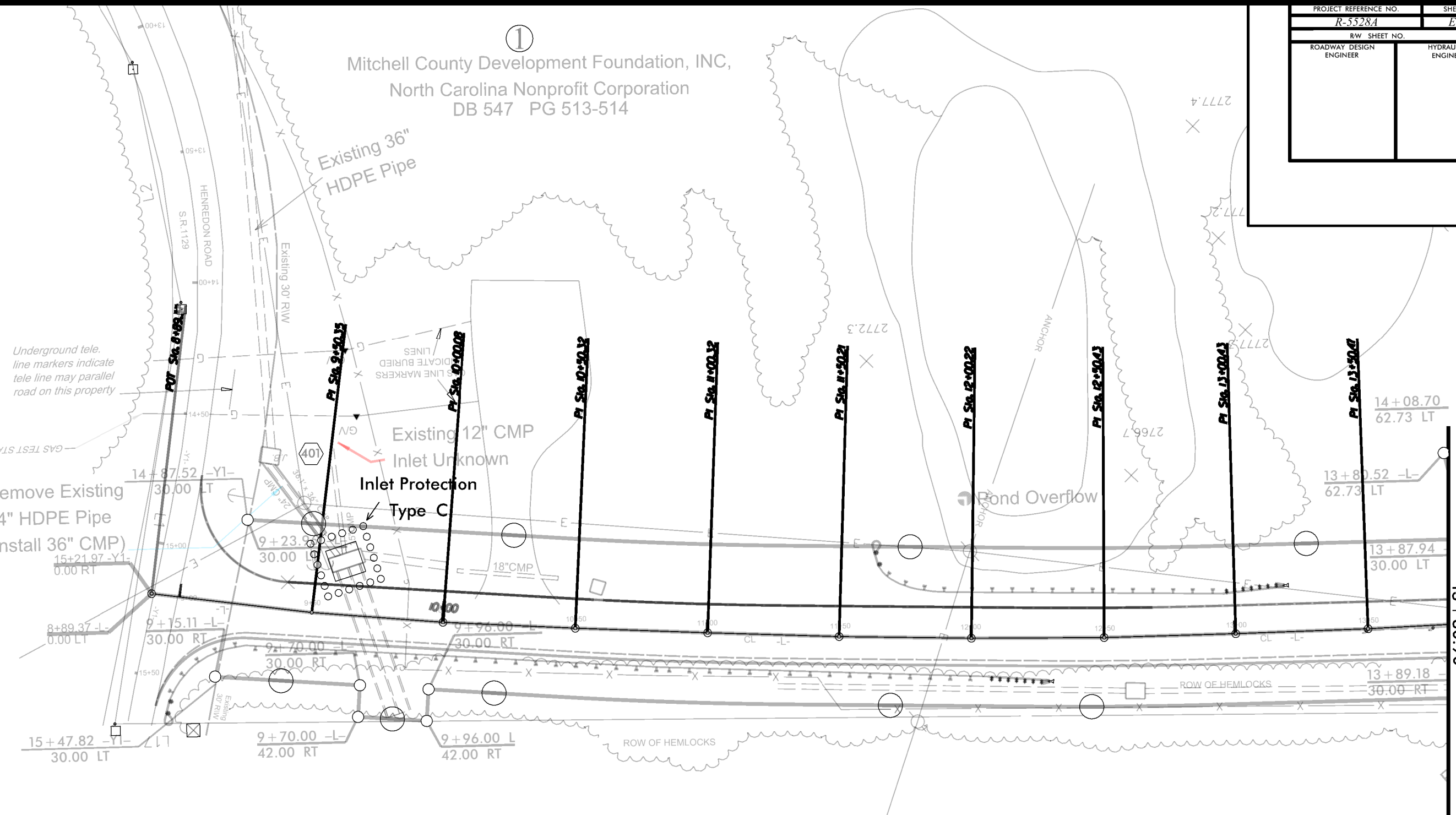
ABOVE GRADE WASHOUT STRUCTURE

NOT TO SCALE

PROJECT REFERENCE NO. <i>R-5528A</i>	SHEET NO. <i>EC-4</i>
RWY SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

PROJECT REFERENCE NO. R-5528A	SHEET NO. EC-5
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

①
Mitchell County Development Foundation, INC,
North Carolina Nonprofit Corporation
DB 547 PG 513-514



DB 449 PG 590
BIDDIX TERRY BRUCE & VALERIE
1709-00-97-0698

DB 295 PG 389
HARKEY RAY ETAL
1709-00-87-8712

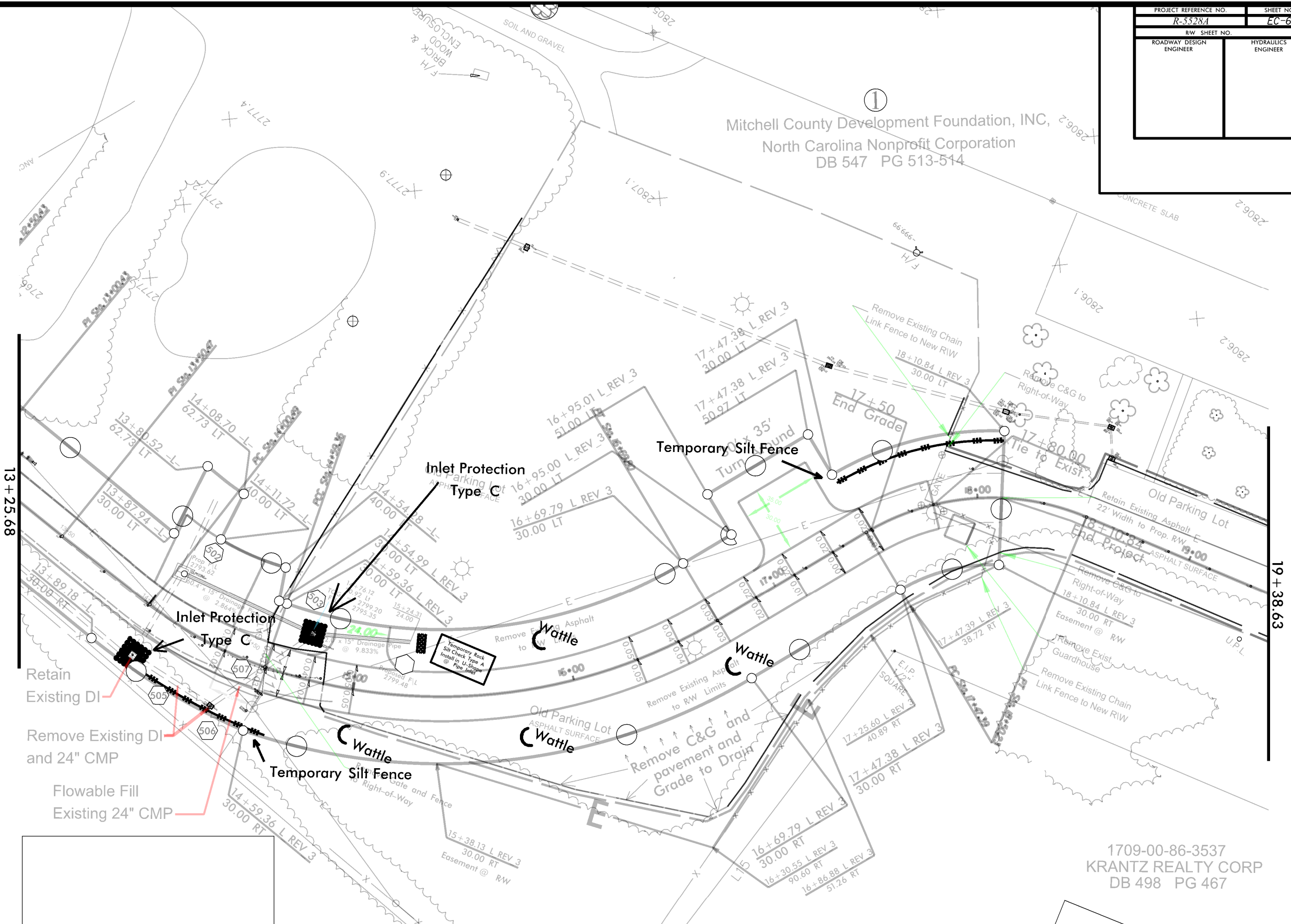


REVISIONS

8/17/2019
 REVISIONS
 1. 8/17/2019
 2. 8/17/2019
 3. 8/17/2019
 4. 8/17/2019
 5. 8/17/2019
 6. 8/17/2019
 7. 8/17/2019
 8. 8/17/2019
 9. 8/17/2019
 10. 8/17/2019
 11. 8/17/2019
 12. 8/17/2019
 13. 8/17/2019
 14. 8/17/2019
 15. 8/17/2019
 16. 8/17/2019
 17. 8/17/2019
 18. 8/17/2019
 19. 8/17/2019
 20. 8/17/2019
 21. 8/17/2019
 22. 8/17/2019
 23. 8/17/2019
 24. 8/17/2019
 25. 8/17/2019
 26. 8/17/2019
 27. 8/17/2019
 28. 8/17/2019
 29. 8/17/2019
 30. 8/17/2019
 31. 8/17/2019
 32. 8/17/2019
 33. 8/17/2019
 34. 8/17/2019
 35. 8/17/2019
 36. 8/17/2019
 37. 8/17/2019
 38. 8/17/2019
 39. 8/17/2019
 40. 8/17/2019
 41. 8/17/2019
 42. 8/17/2019
 43. 8/17/2019
 44. 8/17/2019
 45. 8/17/2019
 46. 8/17/2019
 47. 8/17/2019
 48. 8/17/2019
 49. 8/17/2019
 50. 8/17/2019
 51. 8/17/2019
 52. 8/17/2019
 53. 8/17/2019
 54. 8/17/2019
 55. 8/17/2019
 56. 8/17/2019
 57. 8/17/2019
 58. 8/17/2019
 59. 8/17/2019
 60. 8/17/2019
 61. 8/17/2019
 62. 8/17/2019
 63. 8/17/2019
 64. 8/17/2019
 65. 8/17/2019
 66. 8/17/2019
 67. 8/17/2019
 68. 8/17/2019
 69. 8/17/2019
 70. 8/17/2019
 71. 8/17/2019
 72. 8/17/2019
 73. 8/17/2019
 74. 8/17/2019
 75. 8/17/2019
 76. 8/17/2019
 77. 8/17/2019
 78. 8/17/2019
 79. 8/17/2019
 80. 8/17/2019
 81. 8/17/2019
 82. 8/17/2019
 83. 8/17/2019
 84. 8/17/2019
 85. 8/17/2019
 86. 8/17/2019
 87. 8/17/2019
 88. 8/17/2019
 89. 8/17/2019
 90. 8/17/2019
 91. 8/17/2019
 92. 8/17/2019
 93. 8/17/2019
 94. 8/17/2019
 95. 8/17/2019
 96. 8/17/2019
 97. 8/17/2019
 98. 8/17/2019
 99. 8/17/2019
 100. 8/17/2019

PROJECT REFERENCE NO.		SHEET NO.	
R-55284		EC-6	
RW SHEET NO.			
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	

Mitchell County Development Foundation, INC,
North Carolina Nonprofit Corporation
DB 547 PG 513-514



13+25.68

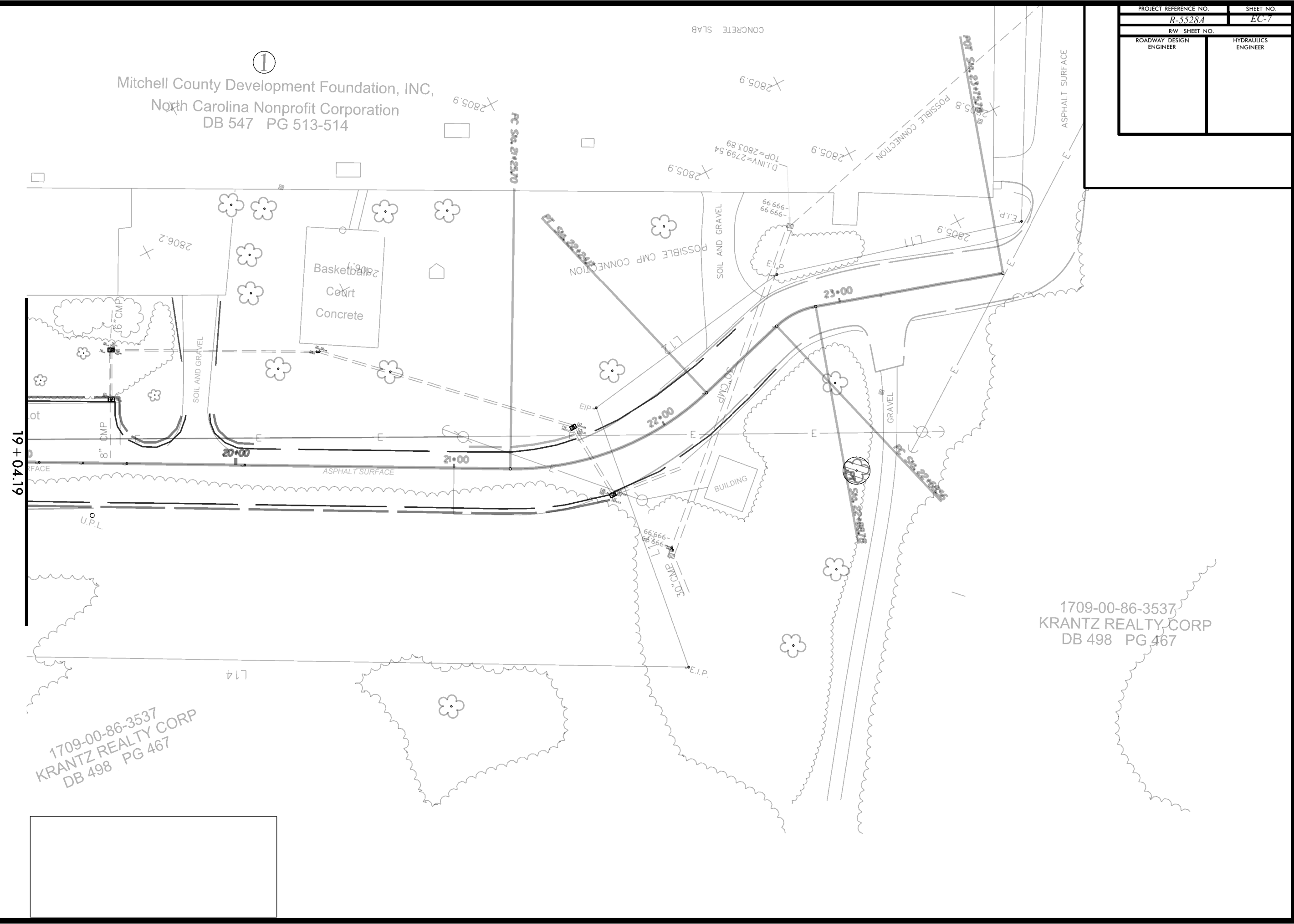
19+38.63

REVISIONS

1709-00-86-3537
KRANTZ REALTY CORP
DB 498 PG 467

PROJECT REFERENCE NO. R-5528A	SHEET NO. EC-7
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER

①
**Mitchell County Development Foundation, INC,
 North Carolina Nonprofit Corporation
 DB 547 PG 513-514**



19 + 04.19

1709-00-86-3537
**KRANTZ REALTY CORP
 DB 498 PG 467**

1709-00-86-3537
**KRANTZ REALTY CORP
 DB 498 PG 467**

REVISIONS

DATE: 10/27/19
 1709-00-86-3537
 KRANTZ REALTY CORP
 DB 498 PG 467

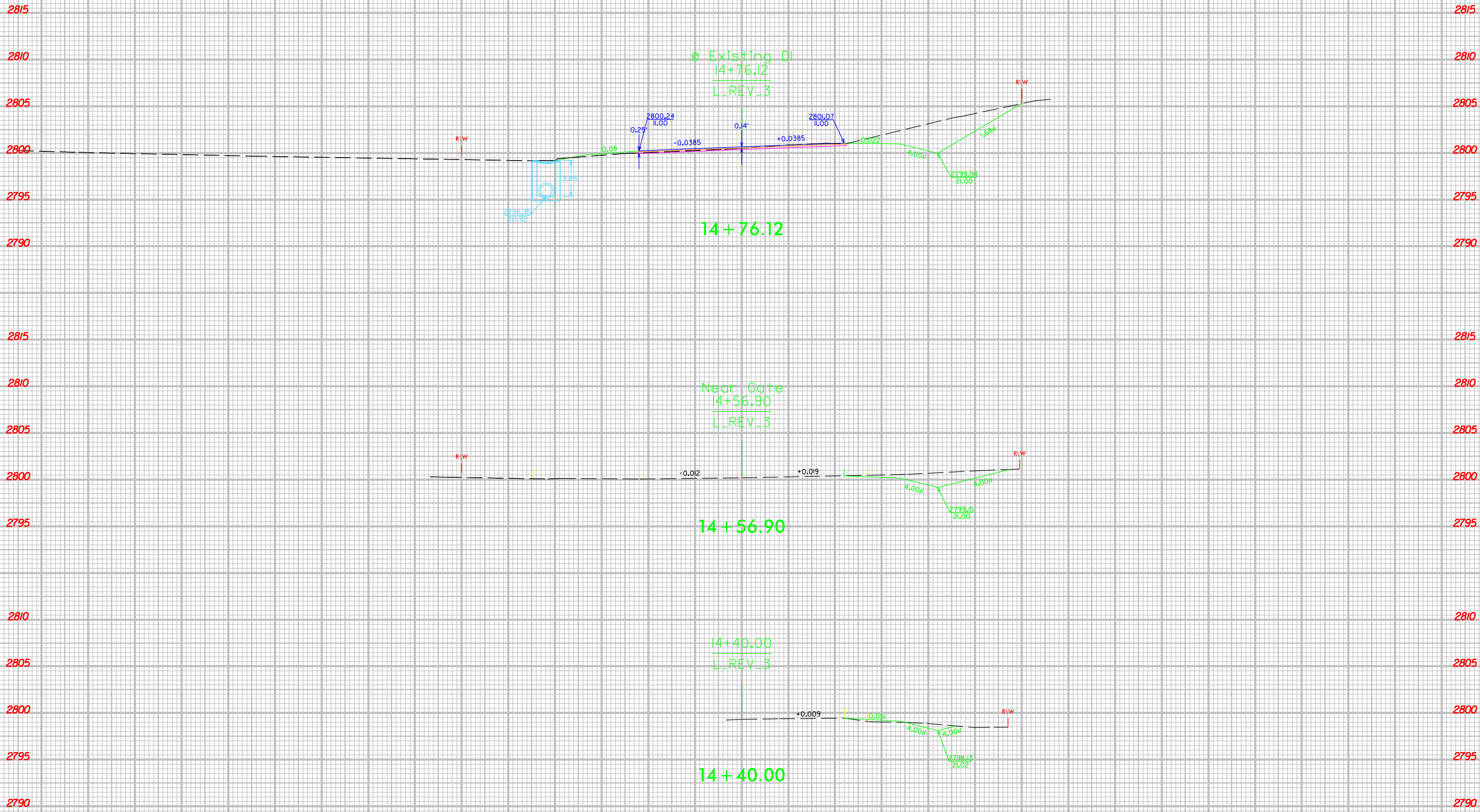
8/23/99



PROJ. REFERENCE NO. R-5528A

SHEET NO. X-1

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



2815 2810 2805 2800 2795 2790 2815 2810 2805 2800 2795 2790 2810 2805 2800 2795 2810 2805 2800 2795 2790

14+76.12

Near Gate
14+56.90
L-REV_3

14+56.90

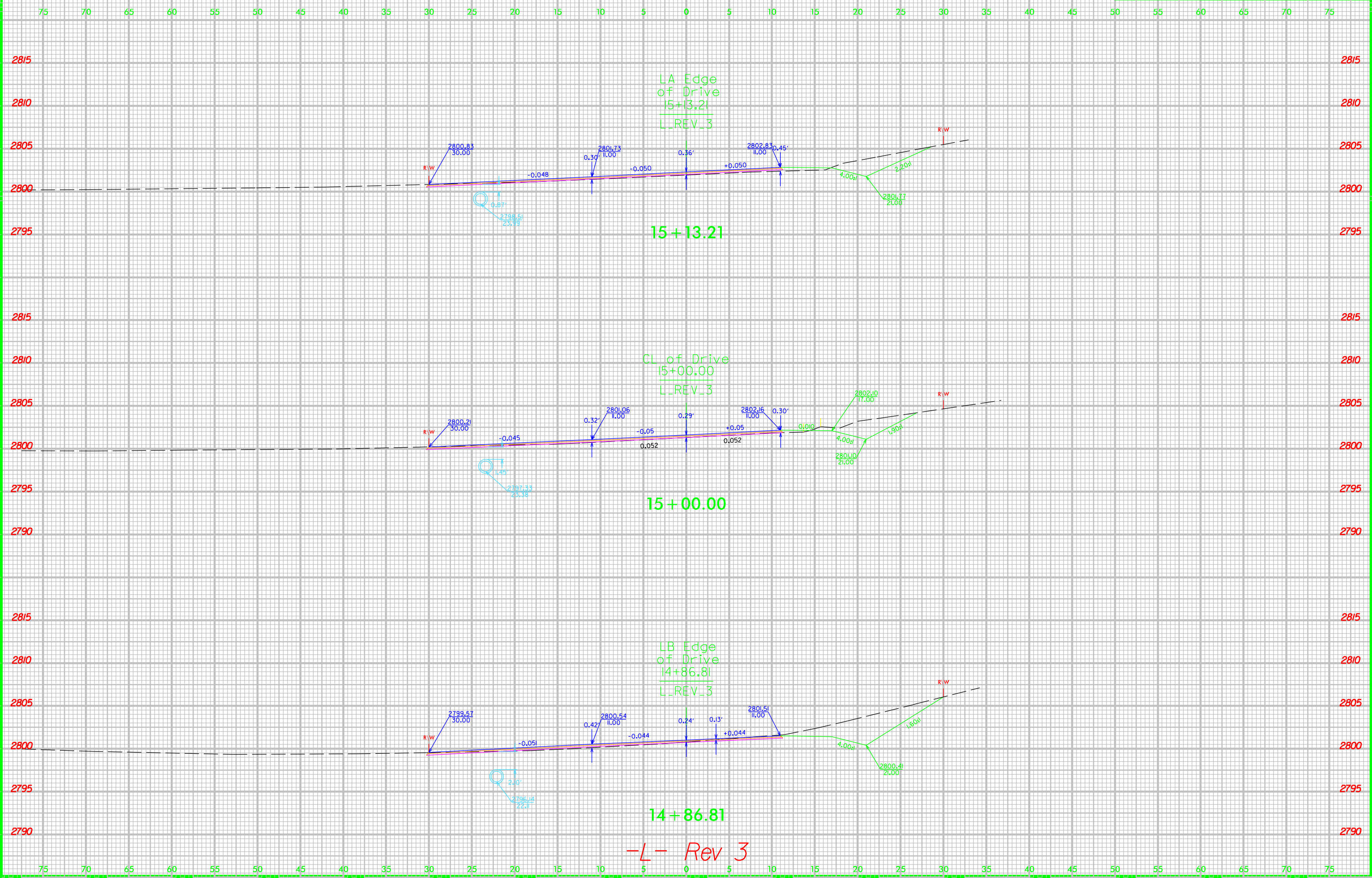
14+40.00
L-REV_3

14+40.00

-L- Rev 3

SYTIME\$\$\$\$
LCSRIBL

8/23/99



-L- Rev 3

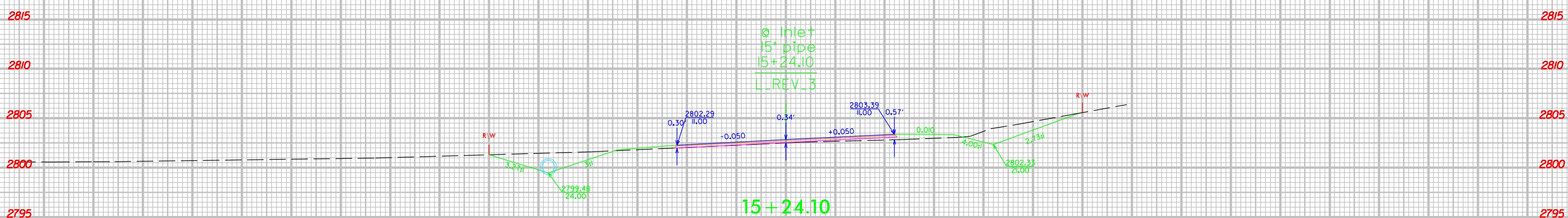
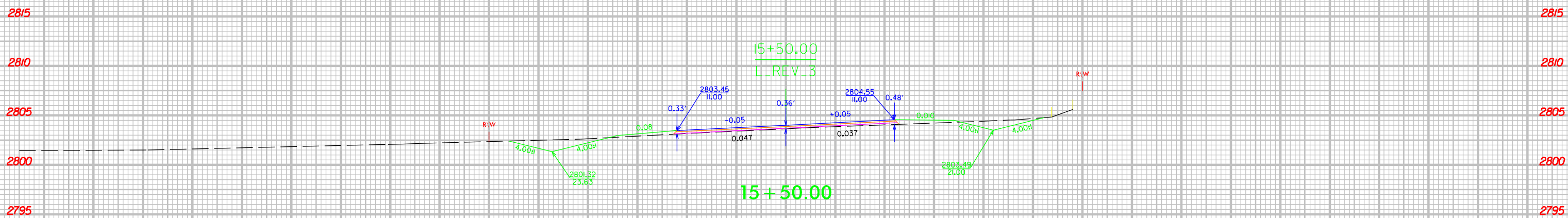
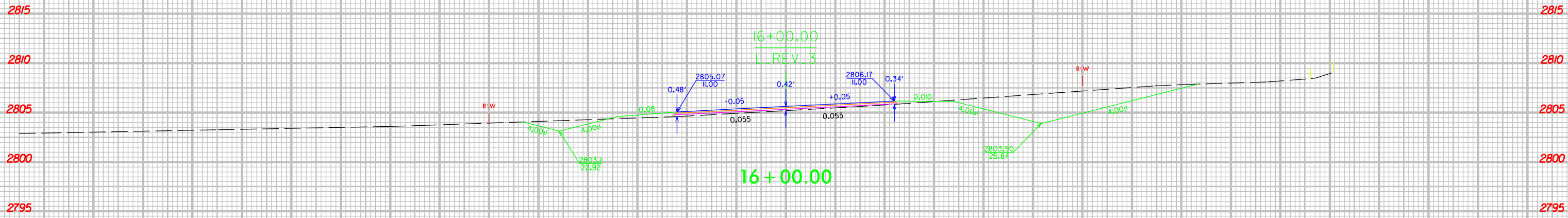
8/23/99



PROJ. REFERENCE NO. R-5528A

SHEET NO. X-3

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75

SYTIME\$DMS\$

-L- Rev 3

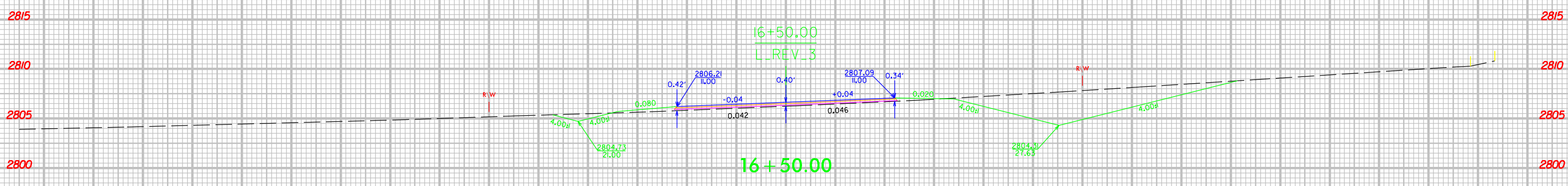
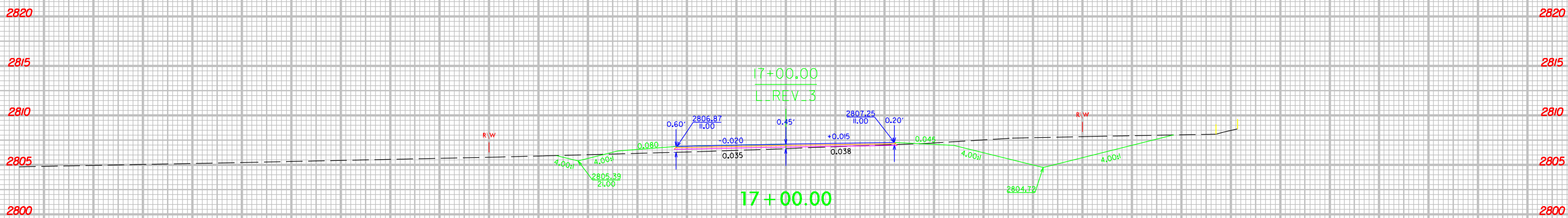
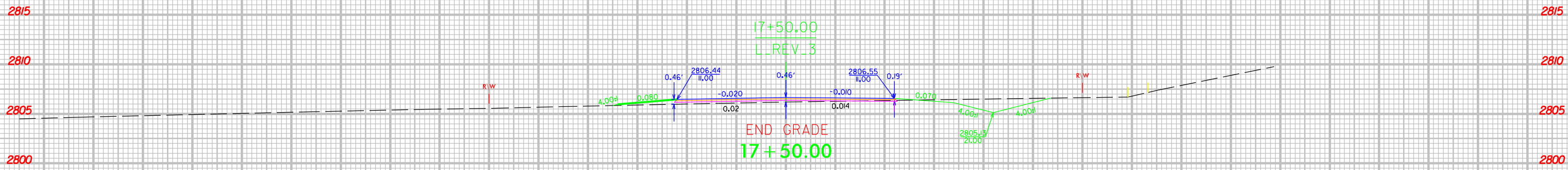
8/23/99



PROJ. REFERENCE NO. R-5528A

SHEET NO. X-4

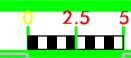
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



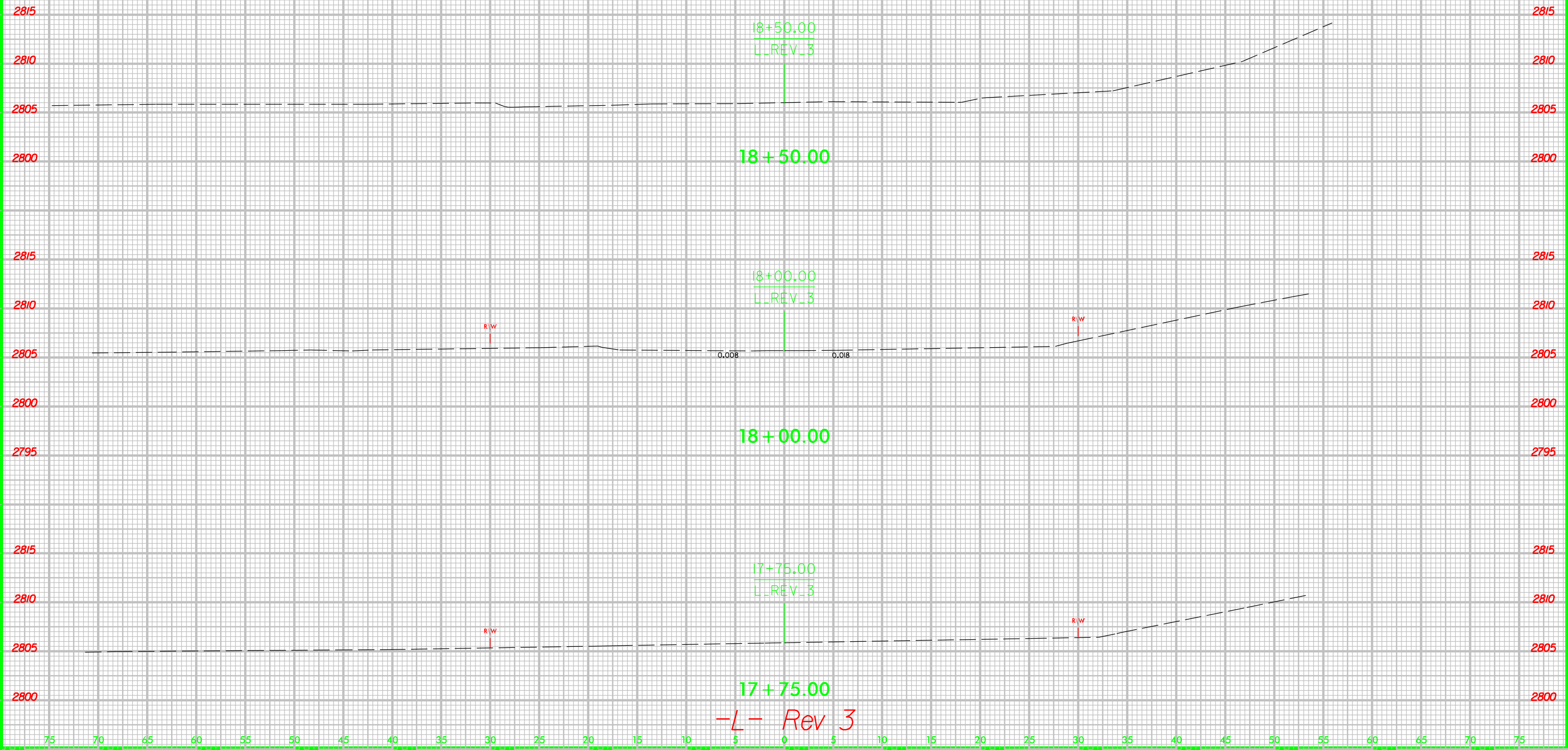
-L- Rev 3

SYTIME\$\$\$\$
LORRIS
LORRIS

8/23/99



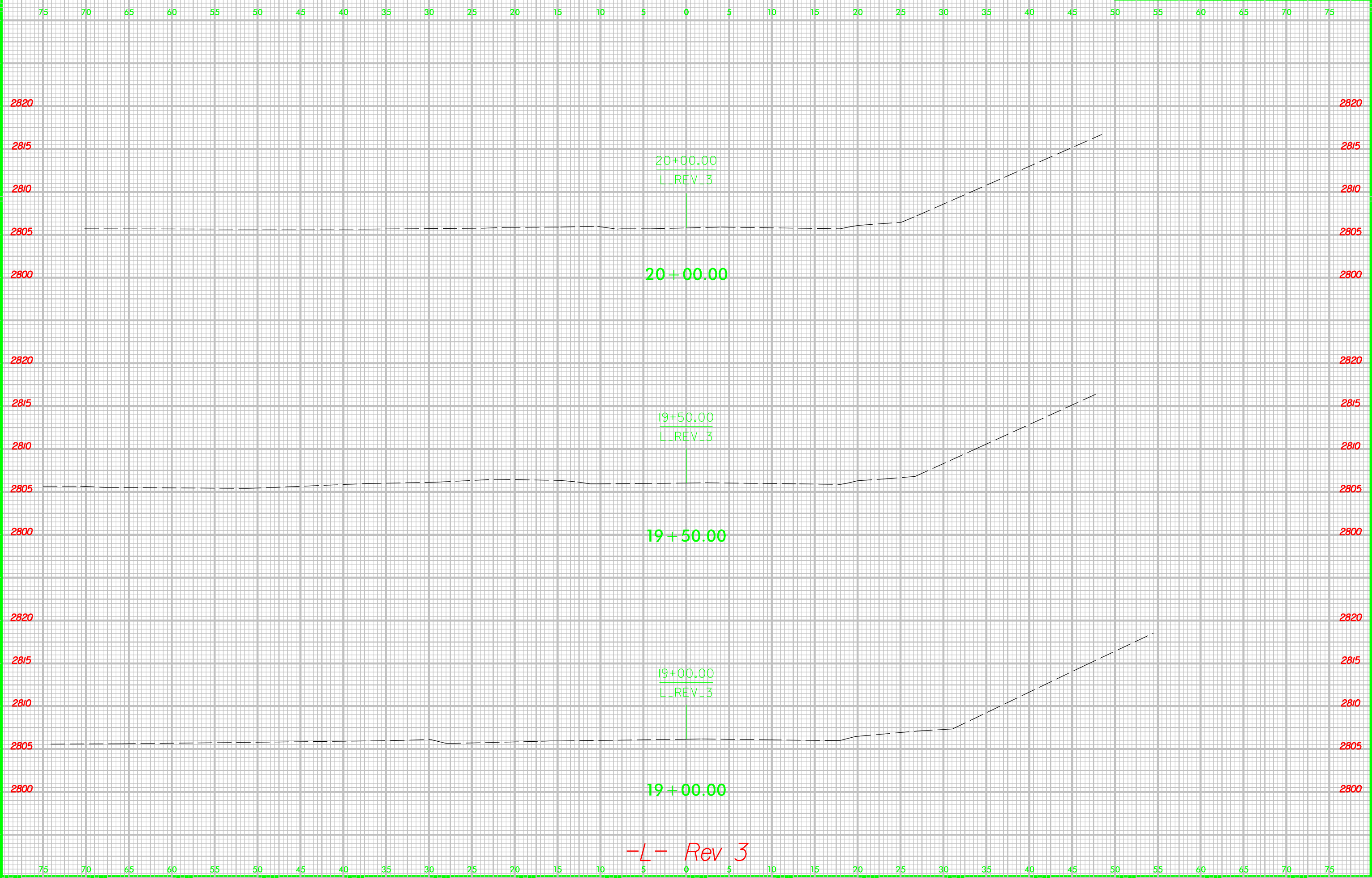
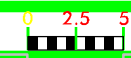
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



-L- Rev 3

SYTIME\$\$\$\$
LUCAS

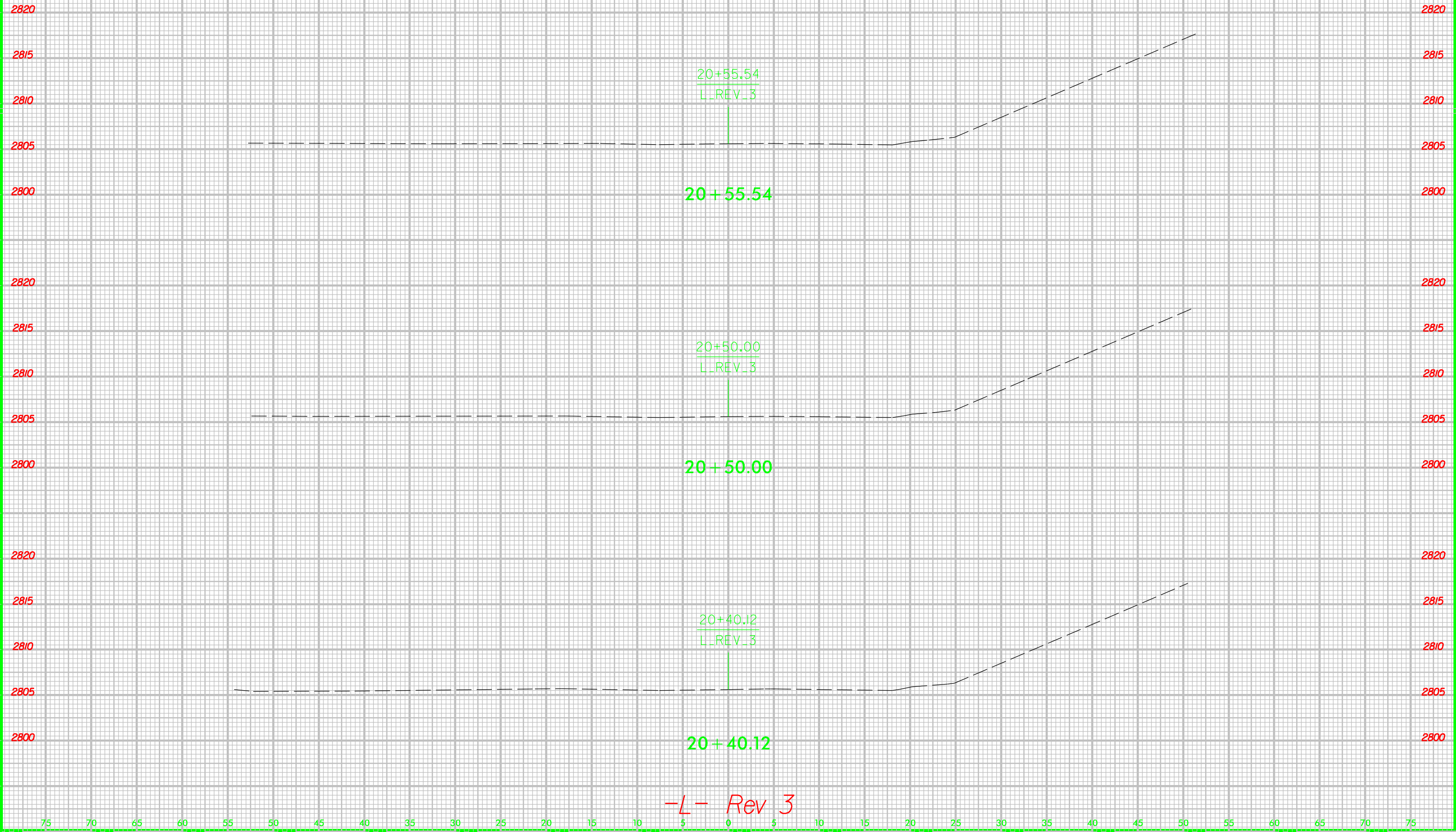
8/23/99



-L- Rev 3

SYTIME\$\$\$\$
LCSRWB

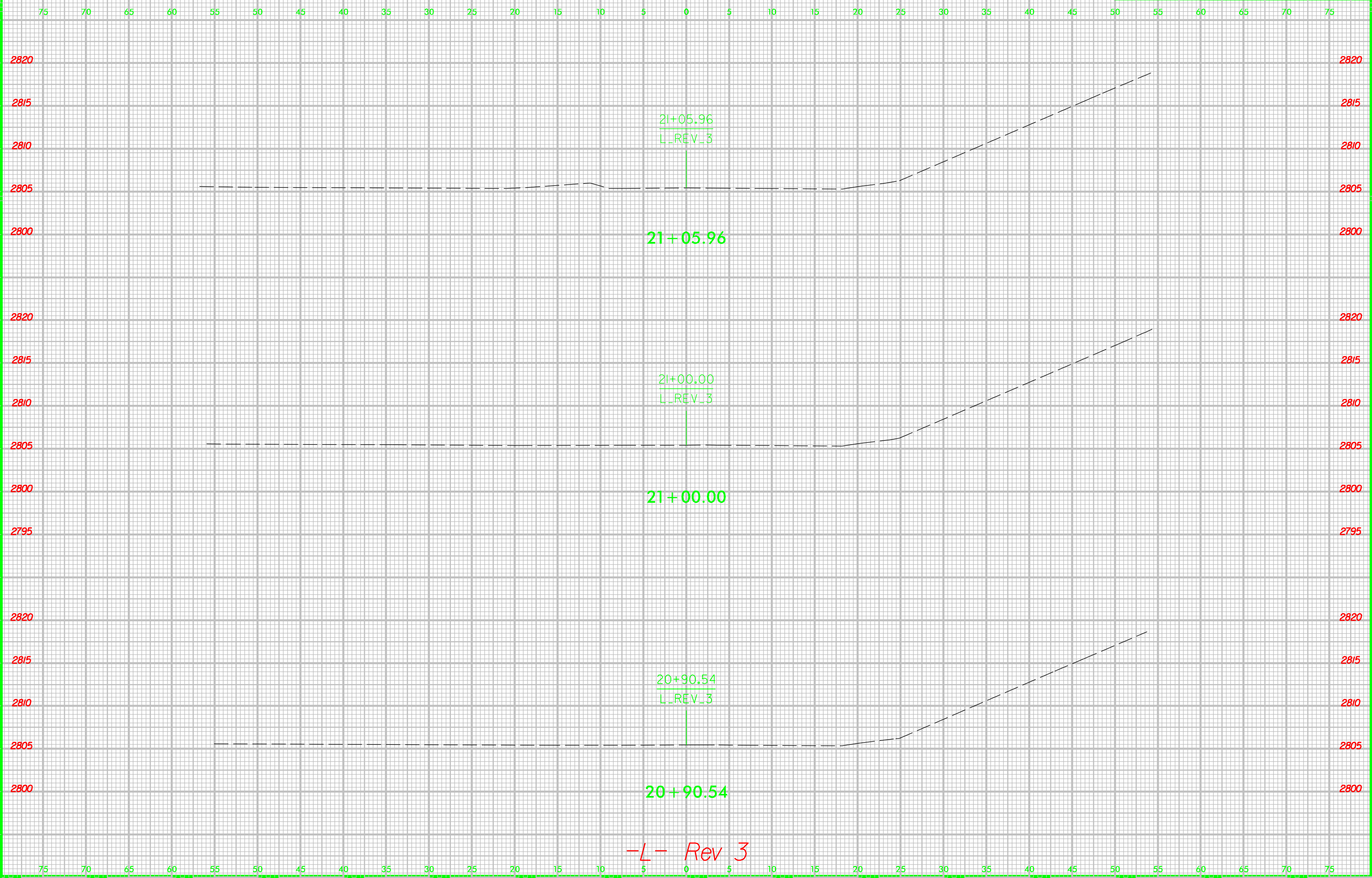
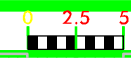
75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



-L- Rev 3

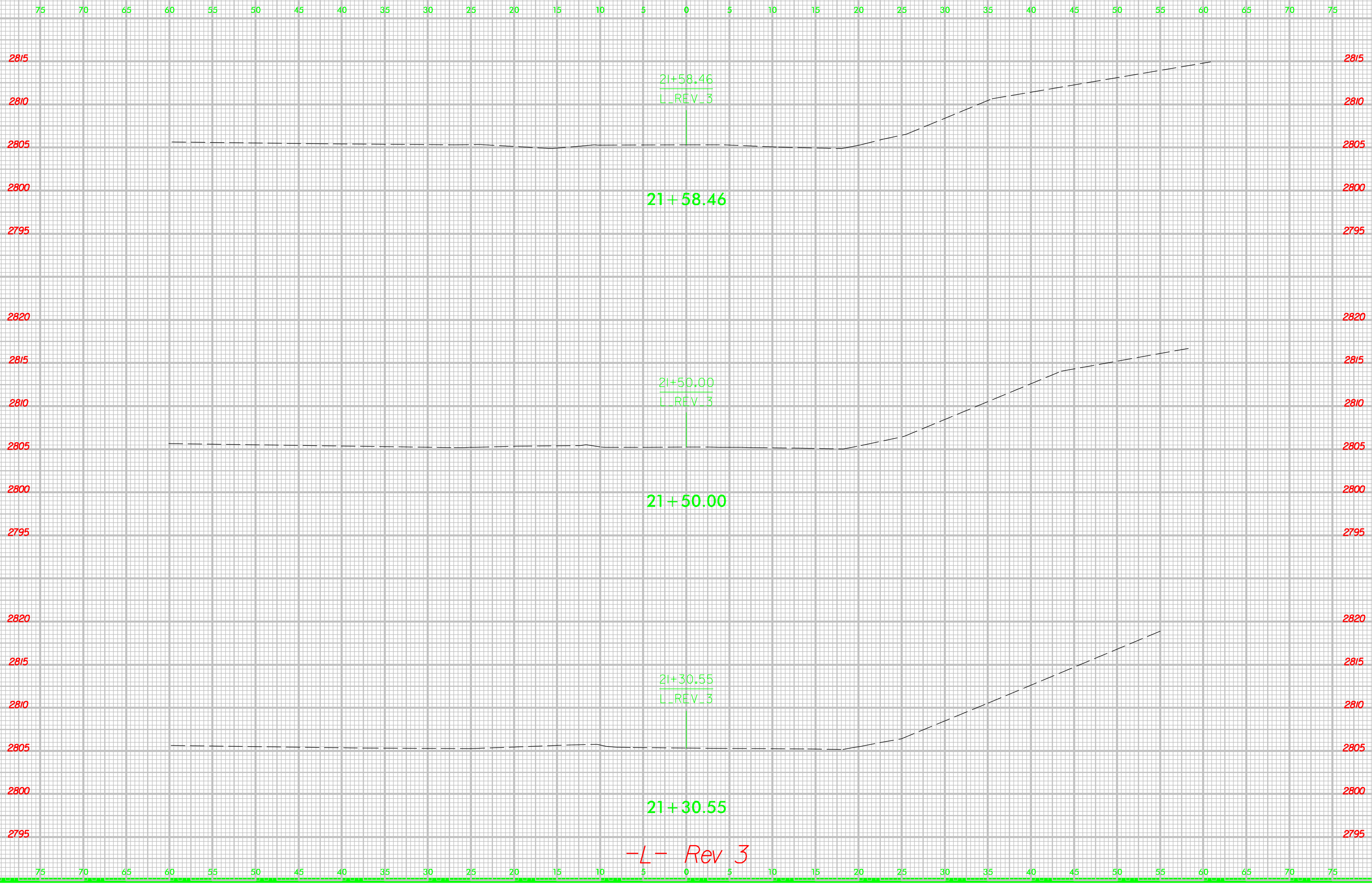
SYTIME\$\$\$\$
LORRAN\$\$\$\$
LORRAN\$\$\$\$
LORRAN\$\$\$\$
LORRAN\$\$\$\$

8/23/99



-L- Rev 3

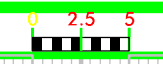
SYTIME\$\$\$\$
LCSRAN\$\$\$\$



-L- Rev 3

SYTIME
C:\SYTIME\SYTIME.DWG

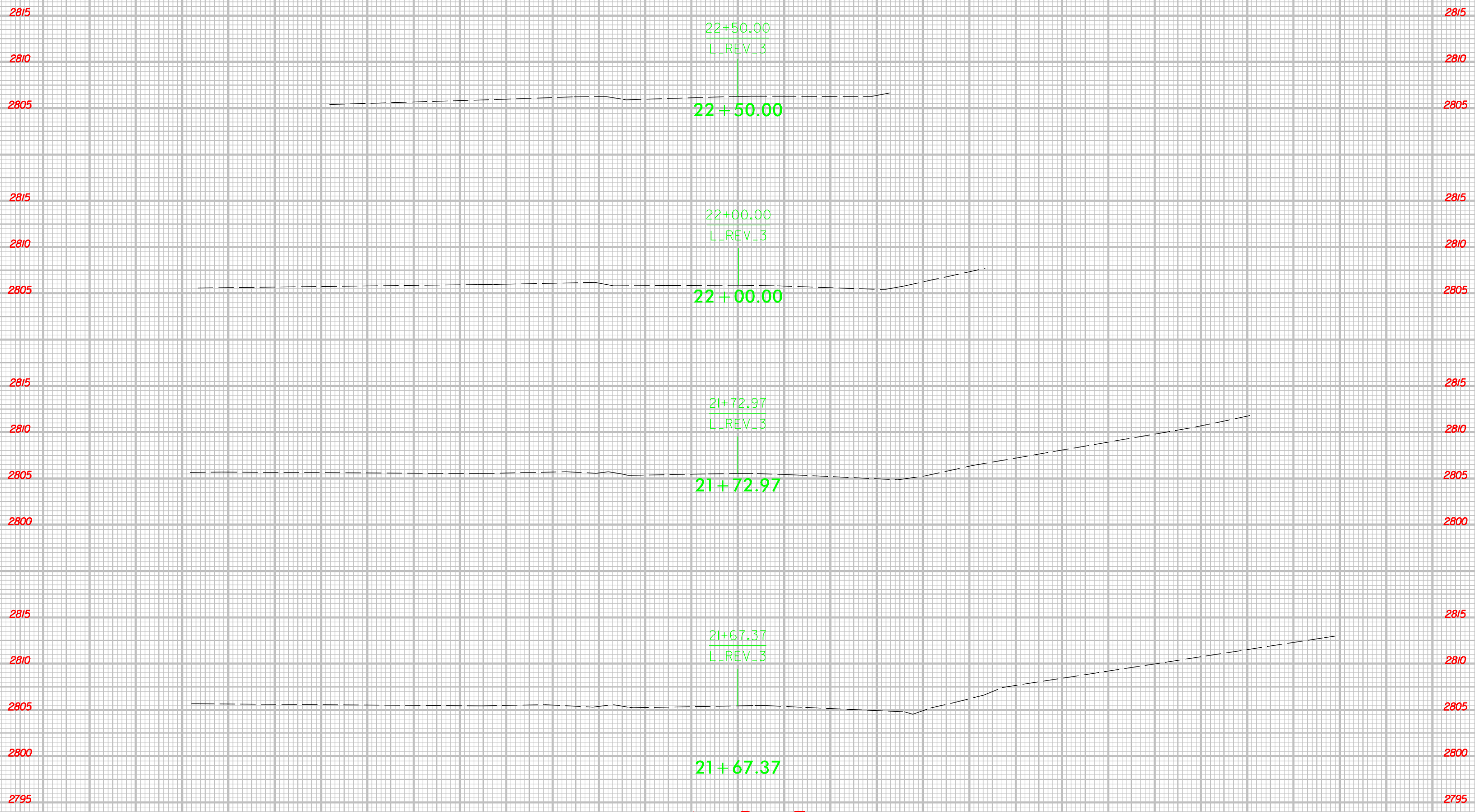
8/23/99



PROJ. REFERENCE NO.
R-5528A

SHEET NO.
X-10

75 70 65 60 55 50 45 40 35 30 25 20 15 10 5 0 5 10 15 20 25 30 35 40 45 50 55 60 65 70 75



-L- Rev 3

SYSTEMS
 CONSULTANTS
 INCORPORATED
 1111 RIVERVIEW AVENUE
 SUITE 100
 RICHMOND, VA 23220
 (804) 746-1000
 FAX (804) 746-1001
 WWW.SCI-CO.COM