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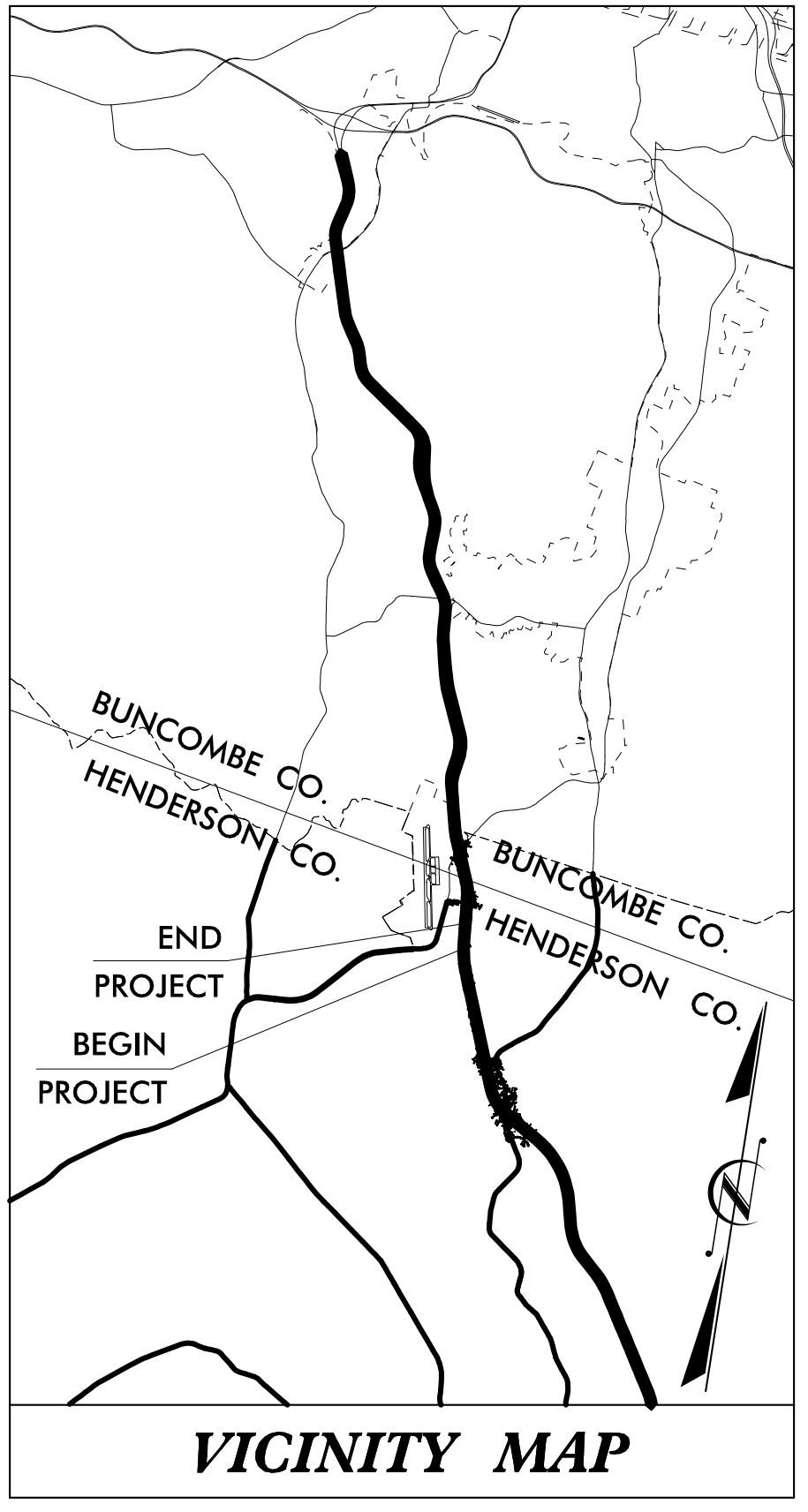
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CONTRACT: C204265 TIP PROJECT: I-4400C

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

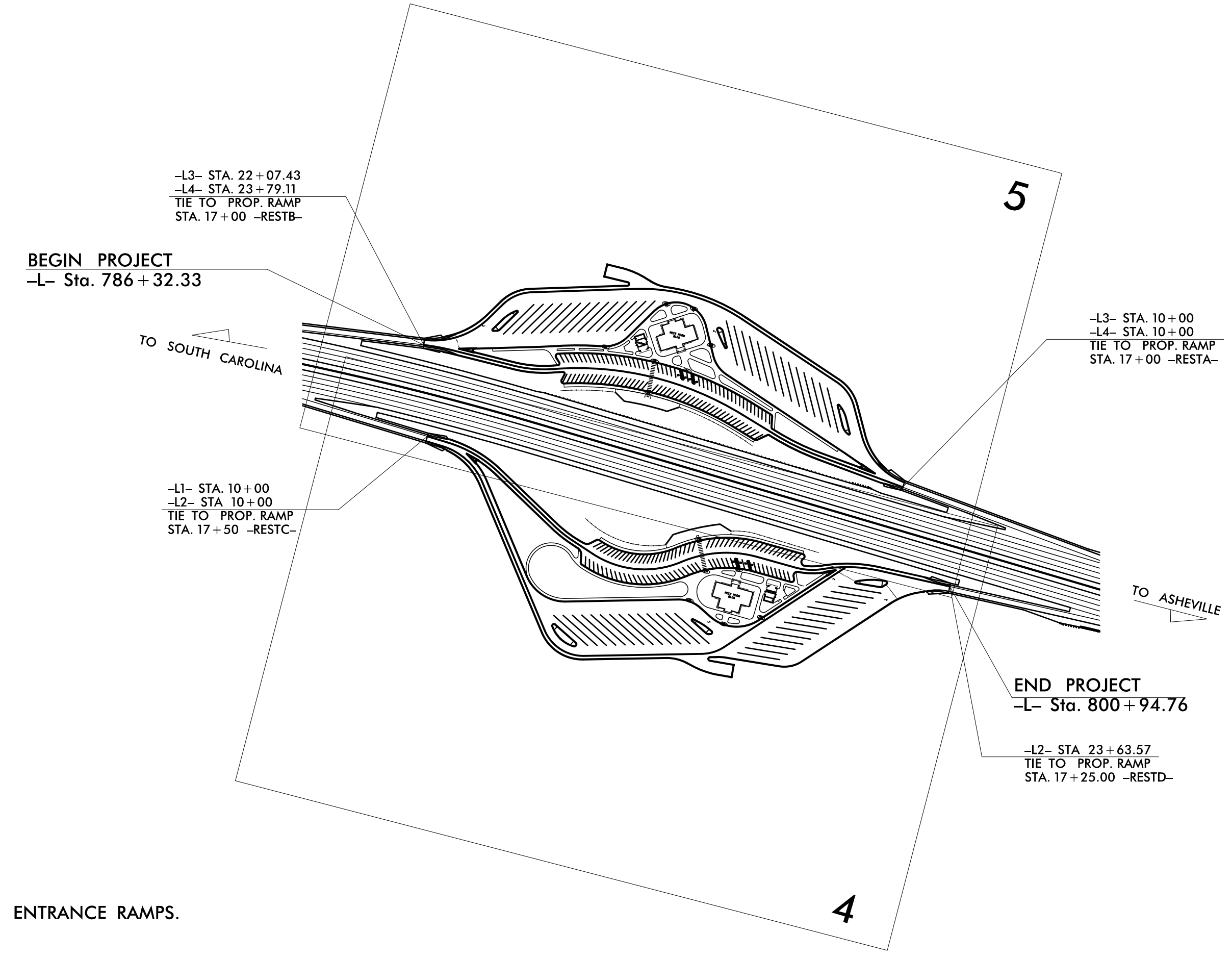
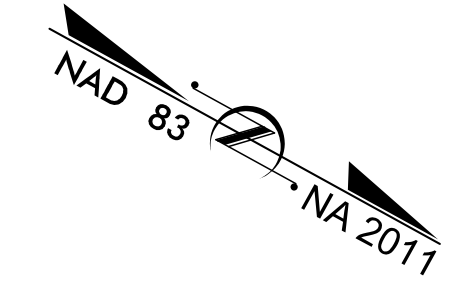
HENDERSON COUNTY

STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	I-4400C	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
34232.1.FS4	NHPP-026-1(200)13	I-4400C (P.E.)	
34232.2.5	N/A	I-4400C (RW)	
34232.2.7	N/A	I-4400C (UTIL)	
34232.3.5	NHPP-026-1(200)13	I-4400C (CONST.)	



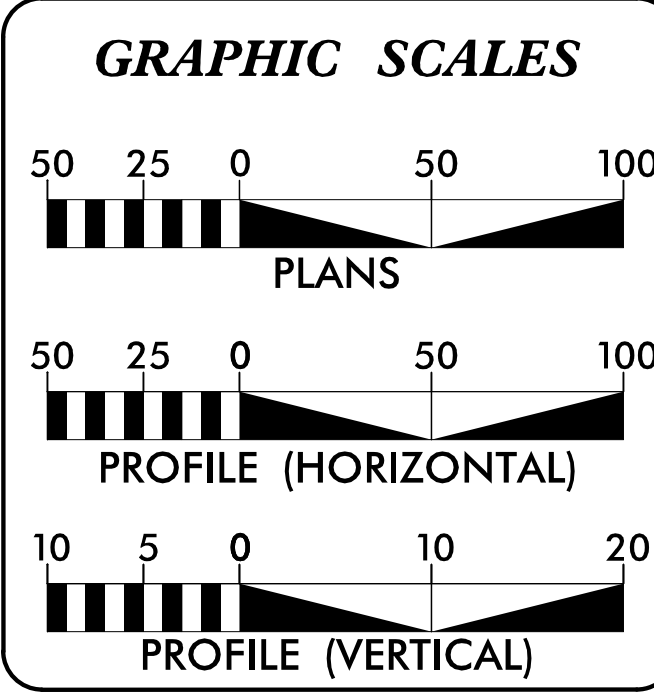
LOCATION: I-26 REST AREAS FROM 1.4MI NORTH OF BUTLER BRIDGE ROAD TO 0.25MI SOUTH OF NC 280 (AIRPORT ROAD)

TYPE OF WORK: GRADING, DRAINAGE, PAVING, SIGNING, LIGHTING, REST AREA



NOTE:
1. THIS IS A CONTROLLED-ACCESS PROJECT WITH ACCESS BEING LIMITED TO ENTRANCE RAMPS.

DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED



DESIGN DATA

ADT 2019 =1,500
ADT 2040 =1,800
K =12%
D =55%
T =33% *
V =30 MPH
* TTST =7% DUAL =26%

PROJECT LENGTH

TOTAL LENGTH OF REST AREA PROJECT =0.28 MI
TOTAL LENGTH OF TIP PROJECT I-4400C = 3.45 MI

Prepared In the Office of:

HNTB
HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:

LETTING DATE:
SEPTEMBER 17, 2019

JOSEPH OLSON, P.E.
PROJECT ENGINEER

JOHN J. HESS, P.E.
PROJECT DESIGN ENGINEER

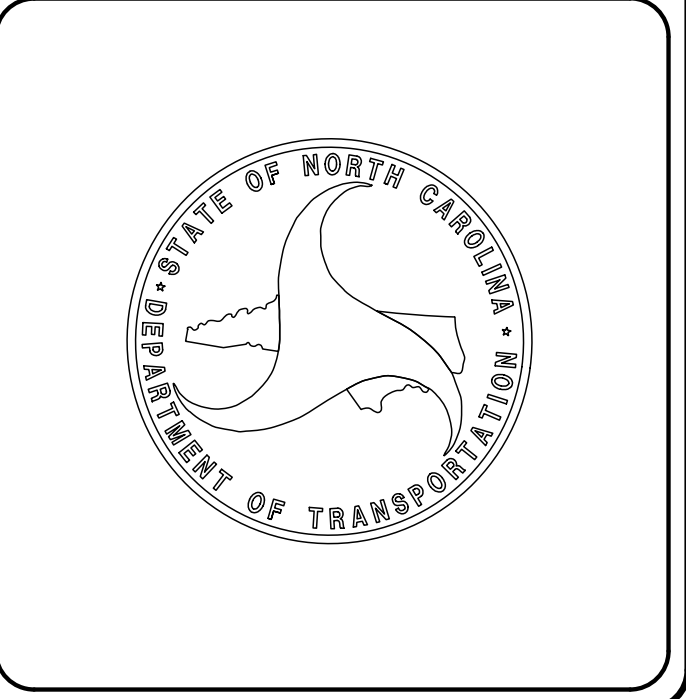
WANDA AUSTIN, P.E.
NCDOT CONTACT

HYDRAULICS ENGINEER

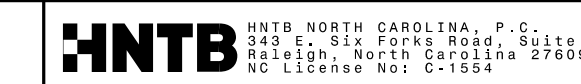
DocuSigned by:
Matthew D Foster
5198CR1D483949
SIGNATURE: P.E. 7/15/2019

ROADWAY DESIGN ENGINEER

DocuSigned by:
John J Hess
8208F88C452C43A
SIGNATURE: P.E. 7/15/2019



8/17/19



PROJECT REFERENCE NO.	SHEET NO.
I-4400C	1A

RW SHEET NO.

ROADWAY DESIGN ENGINEER

JOHN J. HESS
7/15/2019

GENERAL NOTES:

2018 SPECIFICATIONS
EFFECTIVE: 01-16-2018
REVISED:

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.

CLEARING:

CLEARING ON THIS PROJECT SHALL BE PERFORMED TO THE LIMITS ESTABLISHED BY METHOD II.

ALL PAVEMENT, CURB AND GUTTER, SIDEWALK, DRAINAGE STRUCTURES, AND UNDERGROUND UTILITY REMOVAL INCLUDED IN REST AREA BUILDINGS/PICNIC FACILITIES DEMOLITION. SEE CONTRACT SPECIFICATIONS FOR MORE DETAILS.

SUPERELEVATION:

ALL CURVES ON THIS PROJECT SHALL BE SUPERELEVATED IN ACCORDANCE WITH STD. NO. 225.05 USING THE RATE OF SUPERELEVATION AND RUNOFF SHOWN ON THE PLANS. SUPERELEVATION IS TO BE REVOLVED ABOUT THE GRADE POINTS SHOWN ON THE TYPICAL SECTIONS.

SHOULDER CONSTRUCTION:

ASPHALT, EARTH, AND CONCRETE SHOULDER CONSTRUCTION ON THE HIGH SIDE OF SUPERELEVATED CURVES SHALL BE IN ACCORDANCE WITH STD. NO. 560.02

SUBSURFACE DRAINS:

SUBSURFACE DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 815.02 AT AND DETAILS IN PLANS AT LOCATIONS DIRECTED BY THE ENGINEER.

SHOULDER DRAINS:

SHOULDER DRAINS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. NO. 816.03 AND DETAILS IN PLANS AT LOCATIONS DIRECTED BY THE ENGINEER.

DRIVEWAYS:

DRIVEWAYS SHALL BE CONSTRUCTED IN ACCORDANCE WITH STD. 848.02 USING 3 FOOT RADIUS OR RADIUS AS SHOWN ON THE PLANS. LOCATIONS OF DRIVES WILL BE AS SHOWN ON THE PLANS OR AS DIRECTED BY THE ENGINEER.

GUARDRAILS AND SIGNING:

THE GUARDRAIL LOCATIONS SHOWN ON THE PLANS MAY BE ADJUSTED DURING DURING CONSTRUCTION AS DIRECTED BY THE ENGINEER. THE CONTRACTOR SHOULD CONSULT WITH THE ENGINEER PRIOR TO ORDERING GUARDRAIL MATERIAL. SIGN AND GUARDRAIL REMOVAL IS INCLUDED IN THE ROADWAY CLEARING AND GRUBBING PAY ITEM.

TEMPORARY SHORING:

SHORING REQUIRED FOR THE MAINTENANCE OF TRAFFIC NOT SHOWN ON THE PLANS WILL BE PAID FOR AT THE CONTRACT PRICE FOR "TEMPORARY SHORING".

CURB RAMPS

CURB RAMPS ARE SHOWN ON THE PLANS AT APPROXIMATE LOCATIONS. CONSTRUCT ALL CURB RAMPS ACCORDANCE WITH STD 848.05 and/or 848.06.

UTILITIES:

UTILITY OWNERS ON THIS PROJECT ARE

- .DUKE POWER - POWER(DISTRIBUTION)
- .ATT - COMMUNICATIONS
- .CHARTER - COMMUNICATIONS
- .PSNC - GAS
- .CITY OF ASHEVILLE - WATER
- .MSD ENGINEERING - SEWER

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

RIGHT-OF-WAY MARKERS:

ALL RIGHT-OF-WAY MARKERS ON THIS PROJECT SHALL BE PLACED BY STATE FORCES.

2018 ROADWAY ENGLISH STANDARD DRAWINGS EFF. 01-16-2018
REV.

The following Roadway Standards as appear in "Roadway Standard Drawings" Highway Design Branch - N. C. Department of Transportation - Raleigh, N. C., Dated January, 2018 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
225.01	Guide for Grading Subgrade - Interstate and Freeway
225.02	Guide for Grading Subgrade - Secondary and Local
225.03	Deceleration and Acceleration Lanes
225.05	Method of Obtaining Superelevation - Divided Highways
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 5 - SUBGRADE, BASES AND SHOULDERS	
560.01	Method of Shoulder Construction - High Side of Superelevated Curve - Method I
560.02	Method of Shoulder Construction - High Side of Superelevated Curve - Method II
DIVISION 6 - ASPHALT BASES AND PAVEMENTS	
665.01	Asphalt Shoulders - Milled Rumble Strips
DIVISION 7 - CONCRETE PAVEMENTS AND SHOULDERS	
700.01	Concrete Pavement Joints - Construction and Contraction Joints
700.03	Dowel Assembly
700.04	Concrete Pavement Header Board
700.05	Tying Proposed Pavement to Existing
DIVISION 8 - INCIDENTALS	
816.01	Concrete Pads - for Shoulder Drain Installation
816.02	Aggregate Shoulder Drain
816.03	Geocomposite Shoulder Drain
816.04	Markers for Drainage Structure and Concrete Pad
838.02	Concrete Endwall and Sluice Gate - 15" thru 36" Pipe - 90° Skew
840.00	Concrete Base Pad for Drainage Structures
840.01	Brick Catch Basin - 12" thru 54" Pipe
840.02	Concrete Catch Basin - 12" thru 54" Pipe
840.03	Frame, Grates and Hood - for Use on Standard Catch Basin
840.14	Concrete Drop Inlet - 12" thru 30" Pipe
840.15	Brick Drop Inlet - 12" thru 30" Pipe
840.16	Drop Inlet Frame and Grates - For Use with Std. Dwgs. 840.14 and 840.15
840.18	Concrete Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.19	Concrete Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.20	Frames and Wide Slot Flat Grates
840.22	Frames and Wide Slot Sag Grates
840.25	Anchorage for Frames - Brick or Concrete or Precast
840.27	Brick Grated Drop Inlet Type 'B' - 12" thru 36" Pipe
840.28	Brick Grated Drop Inlet Type 'D' - 12" thru 36" Pipe
840.29	Frames and Narrow Slot Flat Grates
840.31	Concrete Junction Box - 12" thru 66" Pipe
840.32	Brick Junction Box - 12" thru 66" Pipe
840.45	Precast Drainage Structure
840.54	Manhole Frame and Cover
840.66	Drainage Structure Steps
846.01	Concrete Curb, Gutter and Curb & Gutter
846.04	Drop Inlet Installation in Shoulder Berm Gutter
848.01	Concrete Sidewalk
848.02	Driveway Turnout - Radius Type
862.01	Guardrail Placement
862.02	Guardrail Installation
876.01	Rip Rap in Channels
876.02	Guide for Rip Rap at Pipe Outlets
876.04	Drainage Ditches with Class 'B' Rip Rap

INDEX OF SHEETS




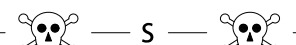
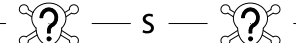
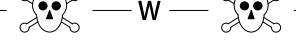
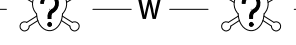
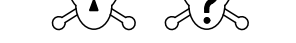
SHEET NUMBER	SHEET
1	Title Sheet
1A	Index of Sheets, General Notes and List of Standards
1B	Conventional Symbols
**	Survey Control Sheets (See I-4400C Survey Control Sheets)
2A	Pavement Legend and Typical Sections
2B-1 THRU 2B-6	Pavement Elevations and Concrete Joint Details
2B-7 THRU 2B-8	Roadway Detail Sheets
2B-9	Cross Section Layout
2D-1 THRU 2D-4	Hazardous Spill Basin Details
3B-1	Summary of Earthwork
3D-1 THRU 3D-4	Summary of Drainage
4 THRU 5	Plan Sheets
6 THRU 7	Profile Sheets
**	Traffic Control Plans (See I-4400C Transportation Plan)
PMP-1 THRU PMP-3	Pavement Marking Plans
SIGN-1 THRU SIGN-7	Signing Plans
**	Lighting / Electrical Plans (See I-4400C Lighting/Electrical Plans)
**	Erosion Control Plans (See I-4400C Erosion Control Plan)
L1 THRU L21	Landscape / Reforestation Plans
CS000 THRU E-602	Architecture Plans (East Bound Site)
CS000 THRU E-602	Architecture Plans (West Bound Site)
X-0	Cross Section Index
X-1A	Cross Section Summary
X-1 THRU X-9	Cross Sections - L1
X-10 THRU X-21	Cross Sections - L2
X-22 THRU X-28	Cross Sections - L3
X-29 THRU X-38	Cross Sections - L4

REVISIONS





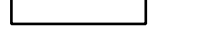
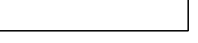
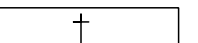
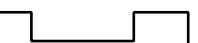

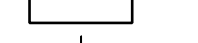
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STATE OF NORTH CAROLINA, DIVISION OF HIGHWAYS CONVENTIONAL PLAN SHEET SYMBOLS

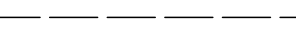



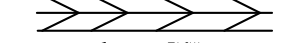
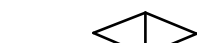
BOUNDARIES AND PROPERTY:

State Line	_____
County Line	_____
Township Line	_____
City Line	_____
Reservation Line	_____
Property Line	_____
Existing Iron Pin	
Computed 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 Contamination Area: Soil	
Potential Contamination Area: Soil	
Known Contamination Area: Water	
Potential Contamination Area: Water	
Contaminated Site: Known or Potential	

BUILDINGS AND OTHER CULTURE:

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


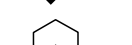

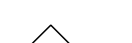






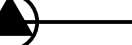


HYDROLOGY:

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





RAILROADS:

Standard Gauge	
RR Signal Milepost	
Switch	
RR Abandoned	_____
RR Dismantled	_____



RIGHT OF WAY & PROJECT CONTROL:

Secondary Horiz and Vert Control Point	
Primary Horiz Control Point	
Primary Horiz and Vert Control Point	
Exist Permanent Easment Pin and Cap	
New Permanent Easment Pin and Cap	
Vertical Benchmark	
Existing Right of Way Marker	
Existing Right of Way Line	_____
New Right of Way Line	
New Right of Way Line with Pin and Cap	
New Right of Way Line with Concrete or Granite RW Marker	
New Control of Access Line with Concrete C/A Marker	
Existing Control of Access	
New Control of Access	
Existing Easement Line	_____
New Temporary Construction Easement	_____
New Temporary Drainage Easement	_____
New Permanent Drainage Easement	_____
New Permanent Drainage / Utility Easement	_____
New Permanent Utility Easement	_____
New Temporary Utility Easement	_____
New Aerial Utility Easement	_____

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	_____
Existing Curb	_____
Proposed Slope Stakes Cut	_____
Proposed Slope Stakes Fill	_____
Proposed Curb Ramp (See Landscape Plans)	
Depressed Curb Ramp (See Landscape Plans)	
Existing Metal Guardrail	_____
Proposed Guardrail	_____
Existing Cable Guiderail	_____
Proposed Cable Guiderail	_____
Equality Symbol	
Pavement Removal	

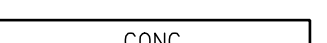

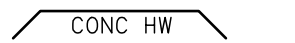


VEGETATION:

Single Tree	
Single Shrub	



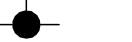
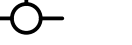




Note: Not to Scale *S.U.E. = Subsurface Utility Engineering

Hedge	_____
Woods Line	_____
Orchard	
Vineyard	


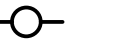



EXISTING STRUCTURES:

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:

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 (S.U.E.*)	_____
U/G Power Line LOS C (S.U.E.*)	_____
U/G Power Line LOS D (S.U.E.*)	_____




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 (S.U.E.*)	_____
U/G Telephone Cable LOS C (S.U.E.*)	_____
U/G Telephone Cable LOS D (S.U.E.*)	_____
U/G Telephone Conduit LOS B (S.U.E.*)	_____
U/G Telephone Conduit LOS C (S.U.E.*)	_____
U/G Telephone Conduit LOS D (S.U.E.*)	_____
U/G Fiber Optics Cable LOS B (S.U.E.*)	_____
U/G Fiber Optics Cable LOS C (S.U.E.*)	_____
U/G Fiber Optics Cable LOS D (S.U.E.*)	_____



WATER:

Water Manhole	
Water Meter	
Water Valve	
Water Hydrant	
U/G Water Line LOS B (S.U.E.*)	_____
U/G Water Line LOS C (S.U.E.*)	_____
U/G Water Line LOS D (S.U.E.*)	_____
Above Ground Water Line	_____



TV:

TV Pedestal	
TV Tower	
U/G TV Cable Hand Hole	
U/G TV Cable LOS B (S.U.E.*)	_____
U/G TV Cable LOS C (S.U.E.*)	_____
U/G TV Cable LOS D (S.U.E.*)	_____
U/G Fiber Optic Cable LOS B (S.U.E.*)	_____
U/G Fiber Optic Cable LOS C (S.U.E.*)	_____
U/G Fiber Optic Cable LOS D (S.U.E.*)	_____






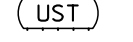



GAS:

Gas Valve	
Gas Meter	
U/G Gas Line LOS B (S.U.E.*)	_____
U/G Gas Line LOS C (S.U.E.*)	_____
U/G Gas Line LOS D (S.U.E.*)	_____
Above Ground Gas Line	_____

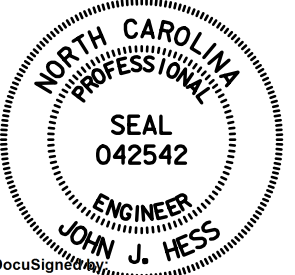
SANITARY SEWER:

Sanitary Sewer Manhole	
Sanitary Sewer Cleanout	
U/G Sanitary Sewer Line	_____
Above Ground Sanitary Sewer	_____
SS Forced Main Line LOS B (S.U.E.*)	_____
SS Forced Main Line LOS C (S.U.E.*)	_____
SS Forced Main Line LOS D (S.U.E.*)	_____

MISCELLANEOUS:

Utility Pole	
Utility Pole with Base	
Utility Located Object	
Utility Traffic Signal Box	
Utility Unknown U/G Line LOS B (S.U.E.*)	_____
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 (S.U.E.*)	
Abandoned According to Utility Records	AATUR
End of Information	E.O.I.

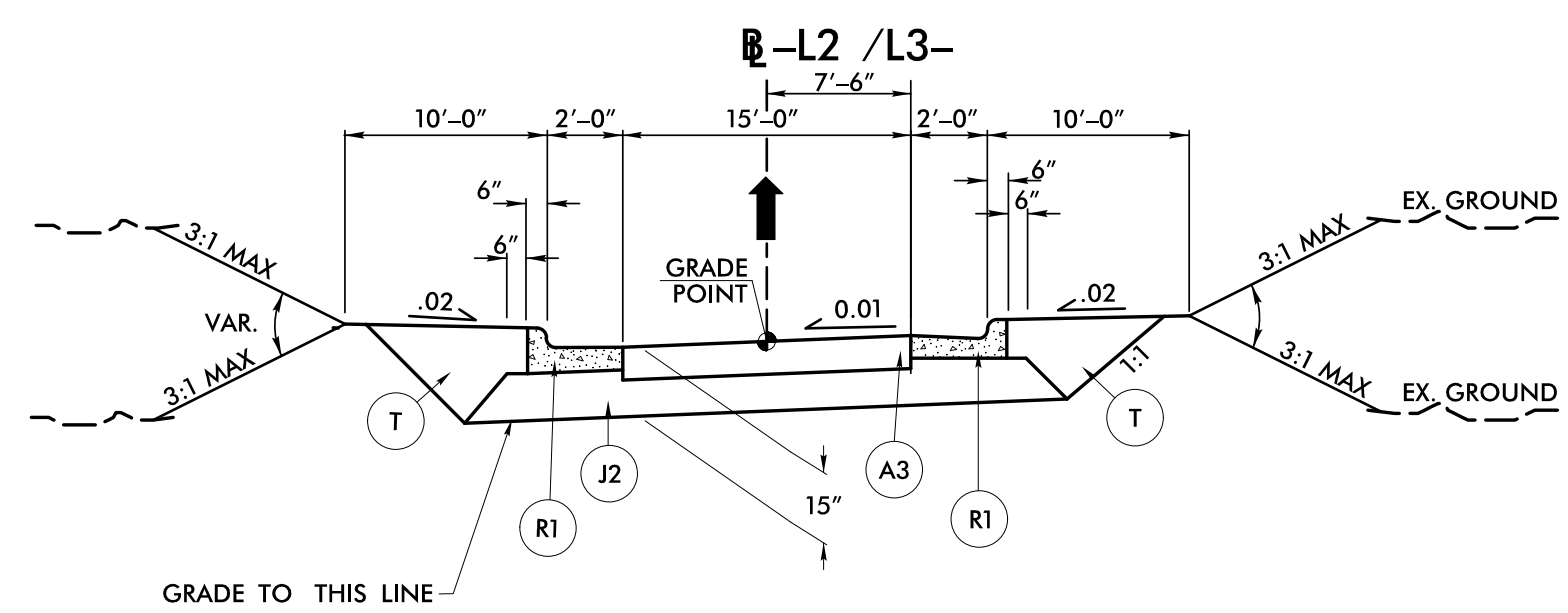
6/2/19

PROJECT REFERENCE NO.	SHEET NO.
1-4400C	2A
ROADWAY DESIGN ENGINEER	
 JOHN J. HESS 042542 ENGINEER JOHN J. HESS/15/2019	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

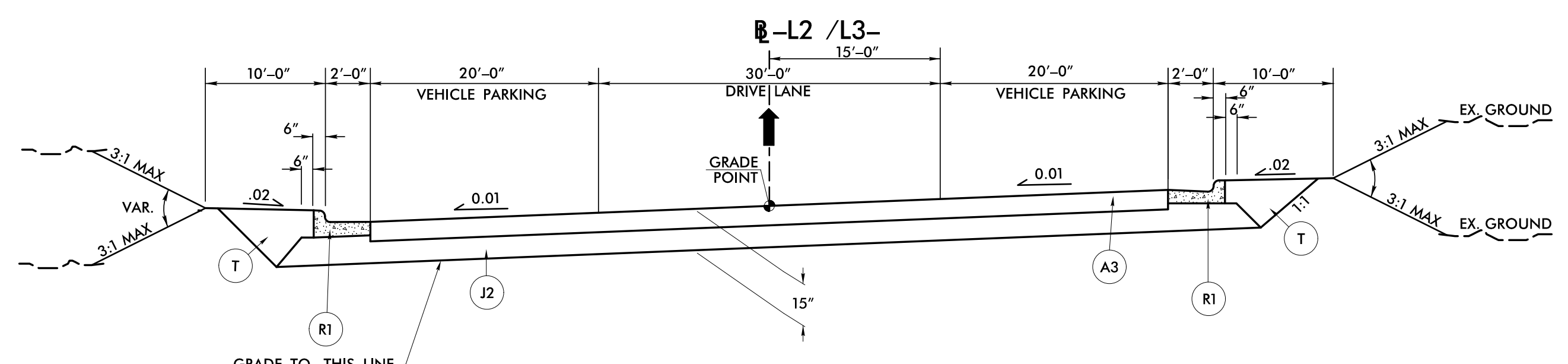
FINAL PAVEMENT SCHEDULE			
A3	9.0" JOINTED CONCRETE PAVEMENT (WITH DOWELS) WITH 15' JOINT SPACING.	R1	2'-6" CURB & GUTTER
J2	PROP. APPROX. 6" AGGREGATE BASE COURSE	T	EARTH MATERIAL

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

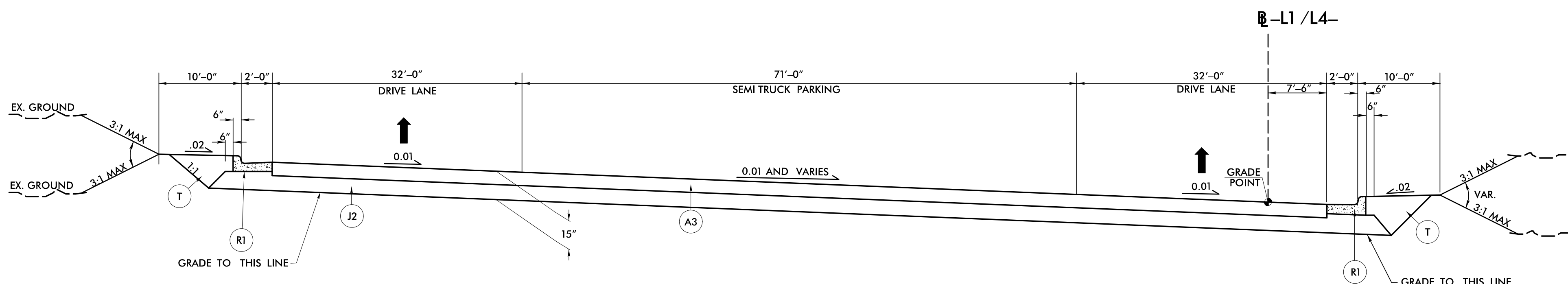
REVISIONS



TYPICAL SECTION NO.1
 -L2- STA 11+06 TO STA 14+22
 -L2- STA 19+68 TO STA 20+32
 -L3- STA 11+13 TO STA 13+41
 -L3- STA 18+80 TO STA 20+87



TYPICAL SECTION NO.2
 -L2- STA 14+50 TO STA 19+60
 -L3- STA 13+60 TO STA 18+70

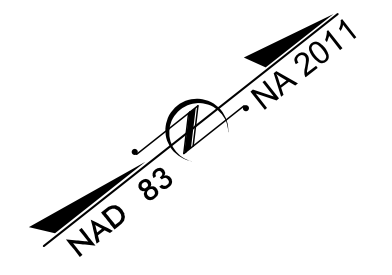


TYPICAL SECTION NO.3
 -L1- STA 15+50.00 TO STA 22+80
 -L4- STA 12+50.00 TO STA 21+63

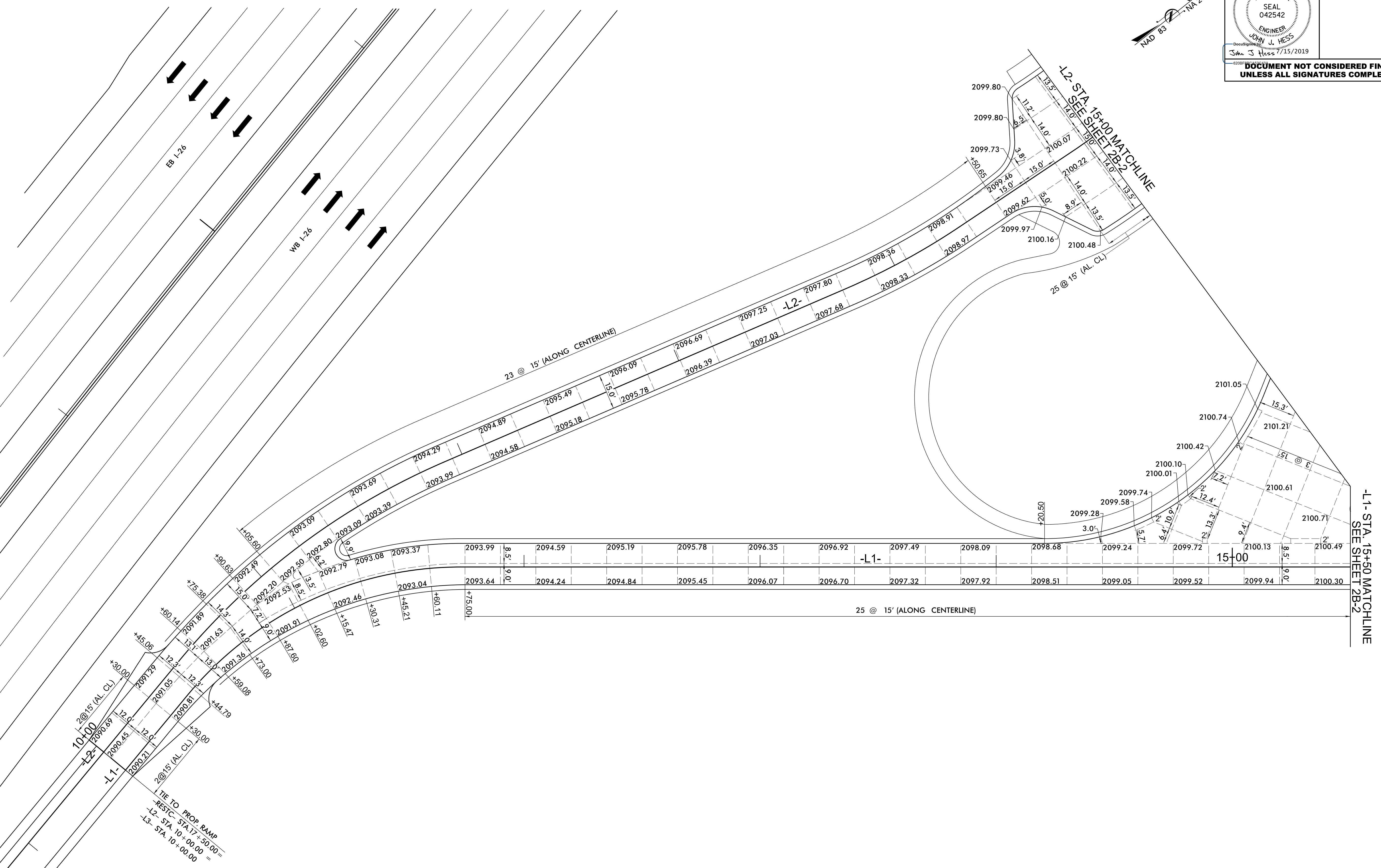
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 HNTB

CONCRETE JOINT LAYOUT DETAILS - WEST BOUND SITE

NOTE: JOINTS ARE PERPENDICULAR TO RESPECTIVE ALIGNMENTS, EXCEPT IN LIMITED AREAS AT TRANSITIONS AND IN PARKING AREAS.

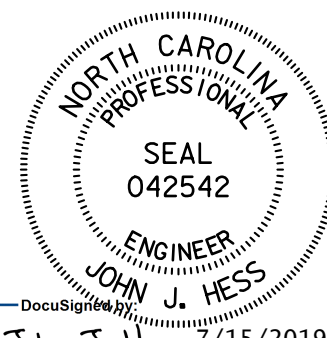


REVISIONS



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HNTB



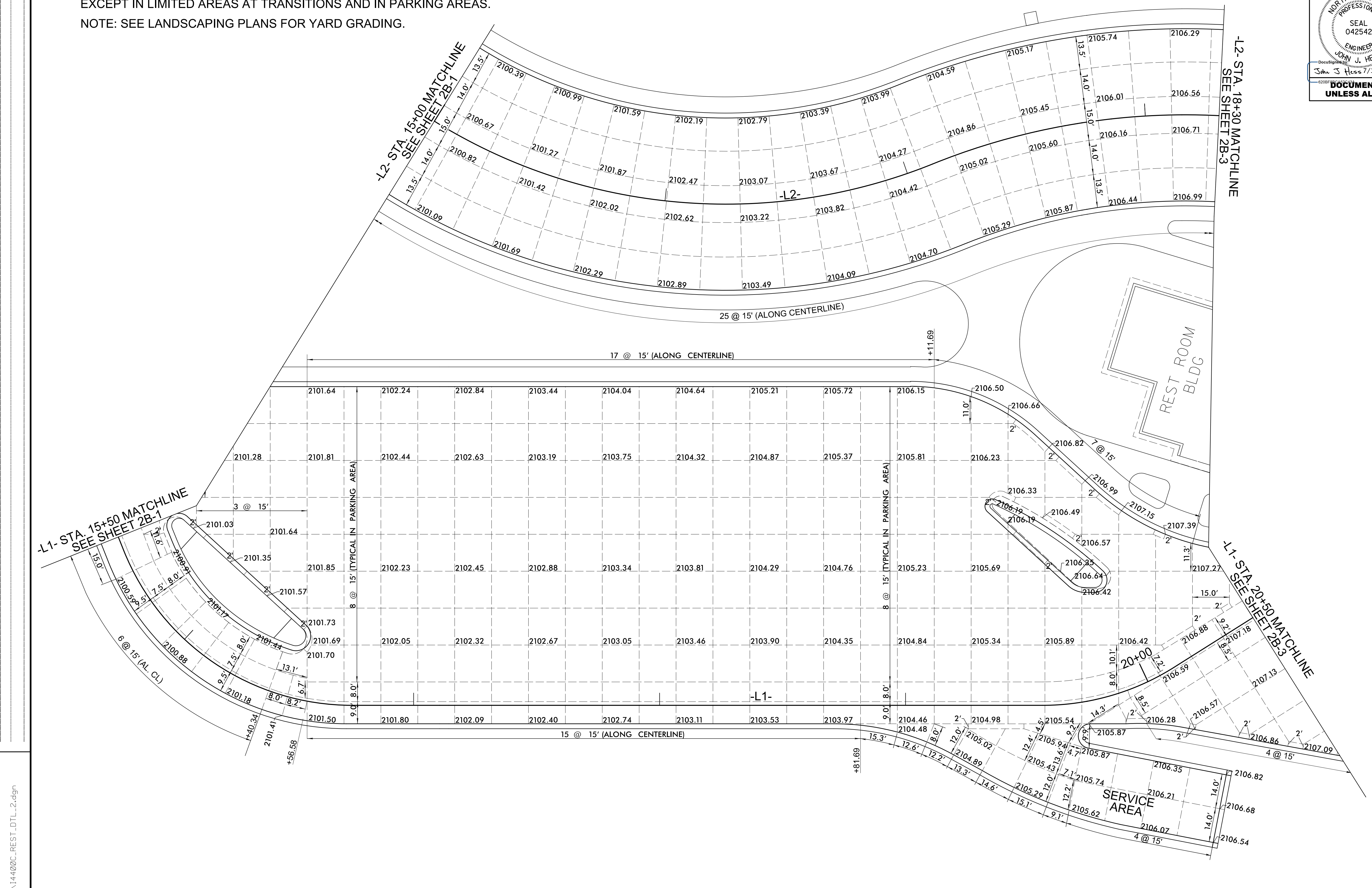
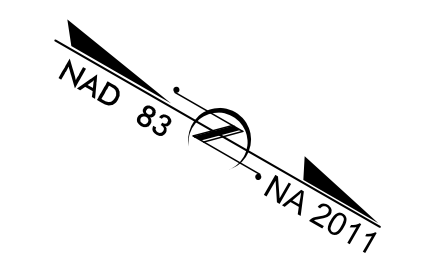
ROADWAY DESIGN ENGINEER

John J. Hess 7/15/2019
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED

CONCRETE JOINT LAYOUT DETAILS - WEST BOUND SITE

NOTE: JOINTS ARE PERPENDICULAR TO RESPECTIVE ALIGNMENTS, EXCEPT IN LIMITED AREAS AT TRANSITIONS AND IN PARKING AREAS.

NOTE: SEE LANDSCAPING PLANS FOR YARD GRADING.

REVISIONS



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HNTB



RW SHEET NO.

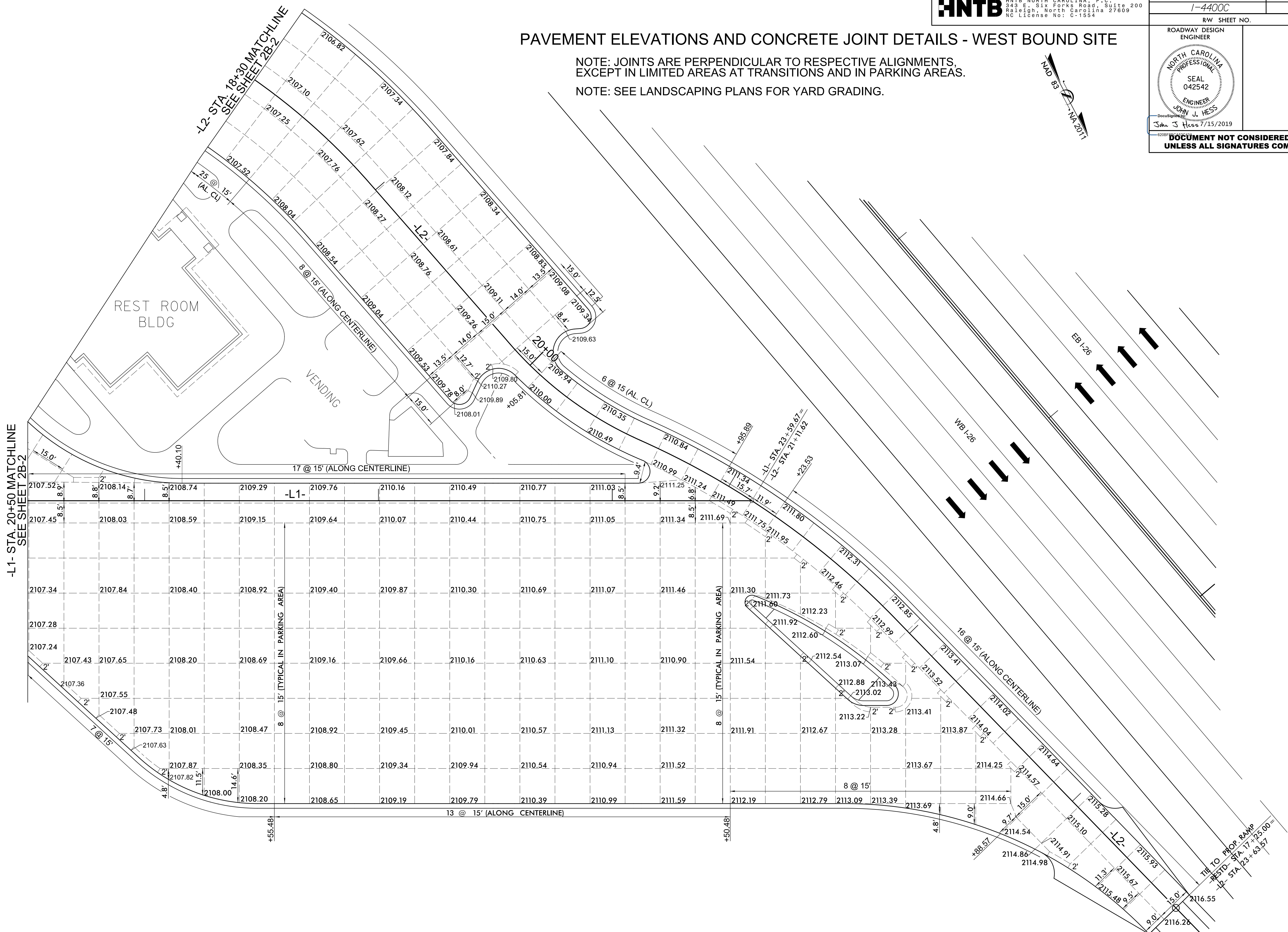
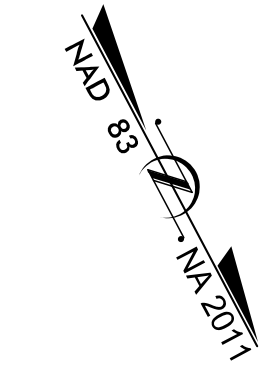
ROADWAY DESIGN ENGINEER

SEAL 042542
ENGINEER
JOHN J. HESS
DocuSign
John J Hess 7/15/2019

PAVEMENT ELEVATIONS AND CONCRETE JOINT DETAILS - WEST BOUND SITE

NOTE: JOINTS ARE PERPENDICULAR TO RESPECTIVE ALIGNMENTS, EXCEPT IN LIMITED AREAS AT TRANSITIONS AND IN PARKING AREAS.

NOTE: SEE LANDSCAPING PLANS FOR YARD GRADING.



REVISIONS

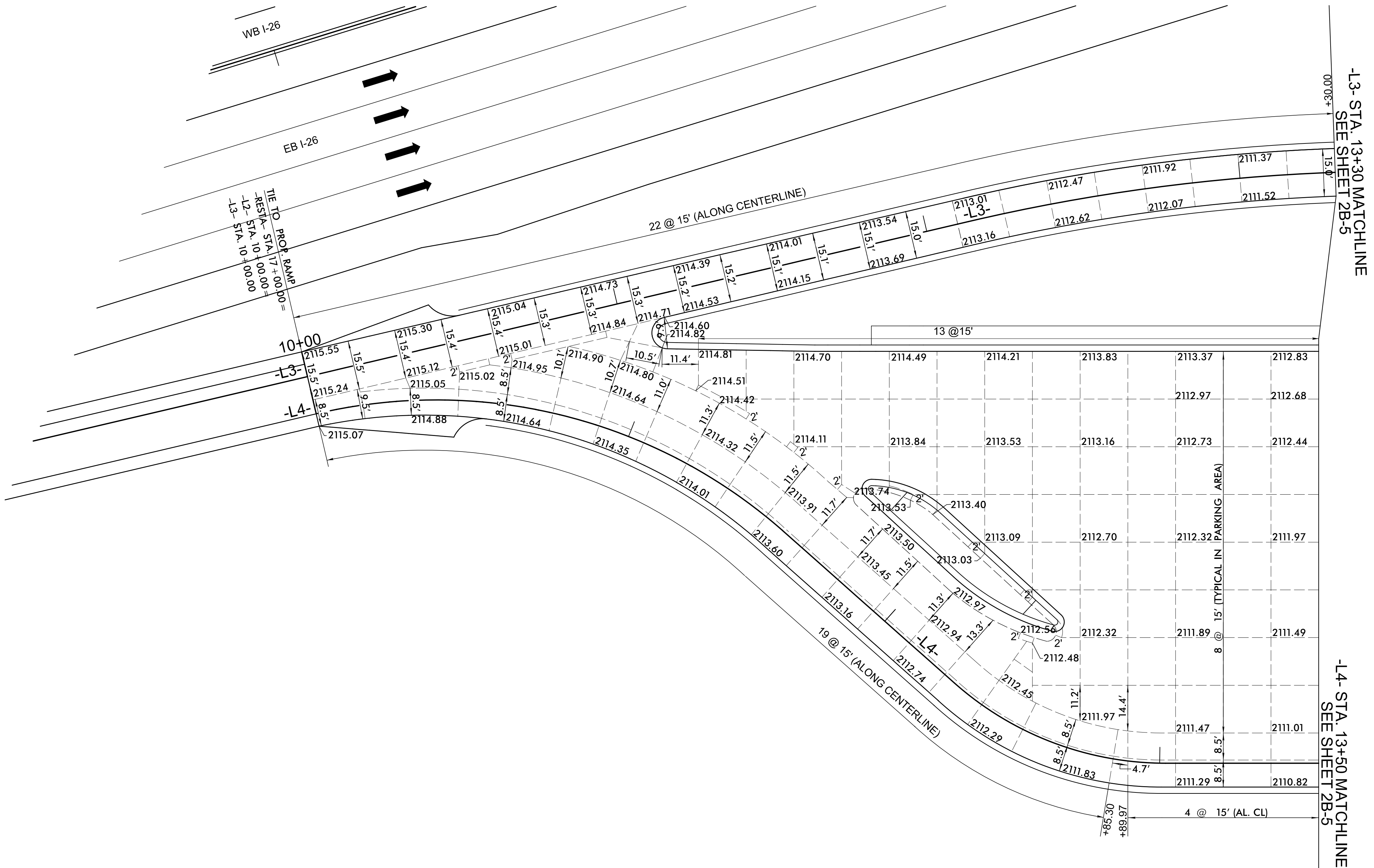
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 HNTB



RW SHEET NO.
ROADWAY DESIGN ENGINEER
NORTH CAROLINA PROFESSIONAL SEAL 042542
ENGINEER JOHN J. HESS
John J. Hess 7/15/2019

PAVEMENT ELEVATIONS AND CONCRETE JOINT DETAILS - EAST BOUND SITE

NOTE: JOINTS ARE PERPENDICULAR TO RESPECTIVE ALIGNMENTS, EXCEPT IN LIMITED AREAS AT TRANSITIONS AND IN PARKING AREAS.



REVISIONS

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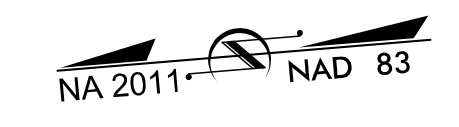


DOCUMENT NOT CONSIDERED FINAL
UNLESS ALL SIGNATURES COMPLETED

PAVEMENT ELEVATIONS AND CONCRETE JOINT DETAILS - EAST BOUND SITE

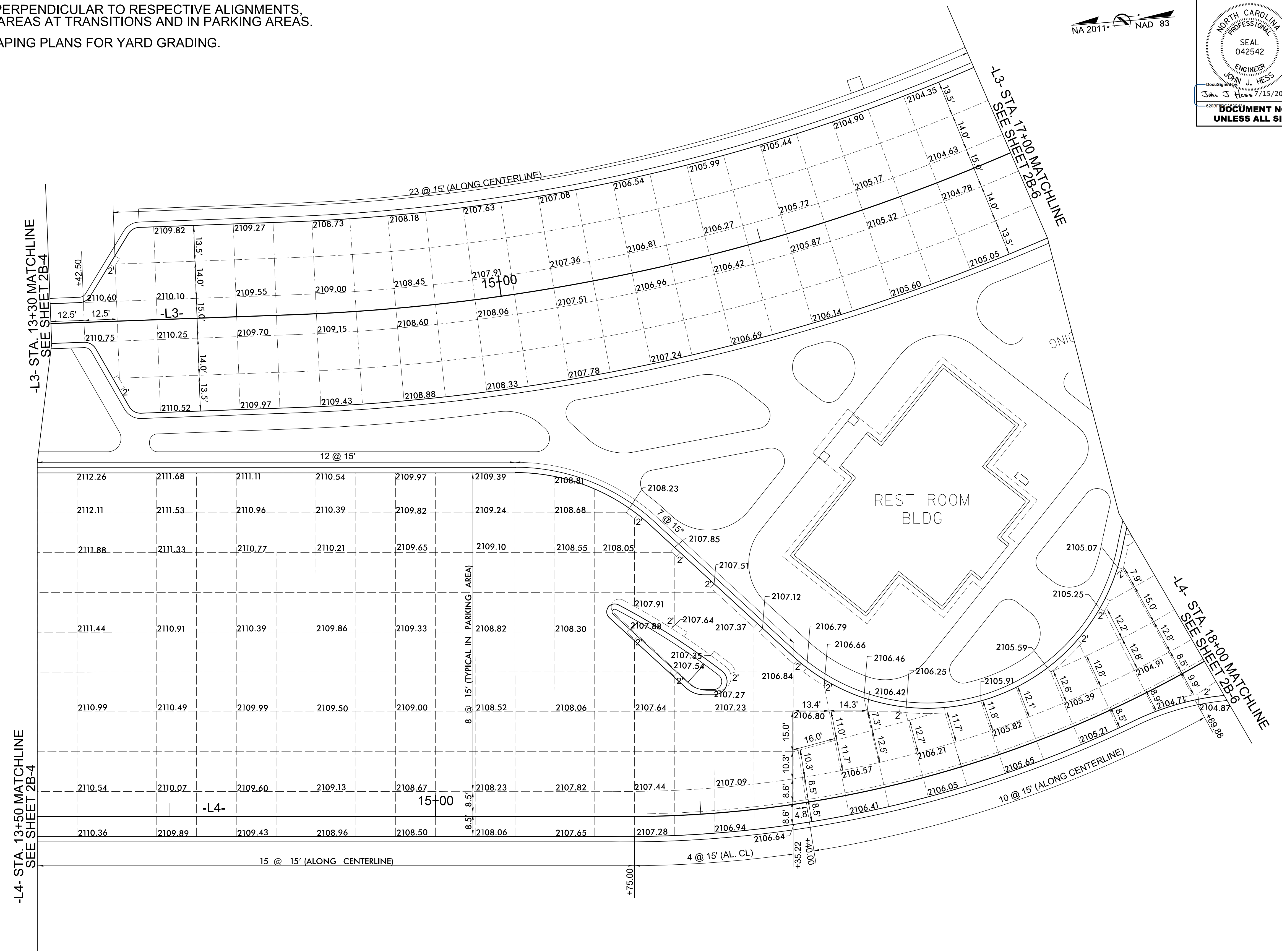
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NOTE: SEE LANDSCAPING PLANS FOR YARD GRADING.



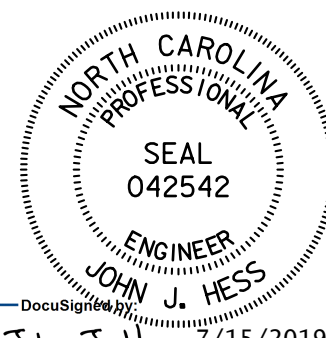
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REVISIONS



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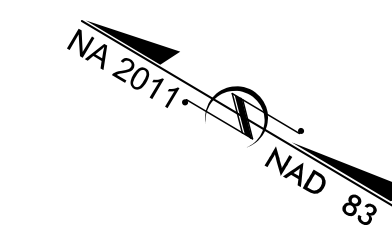


PROJECT REFERENCE NO. I-4400C	SHEET NO. 2B-6
RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
JOHN J. HESS SEAL 042542 ENGINEER John J Hess 7/15/2019	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

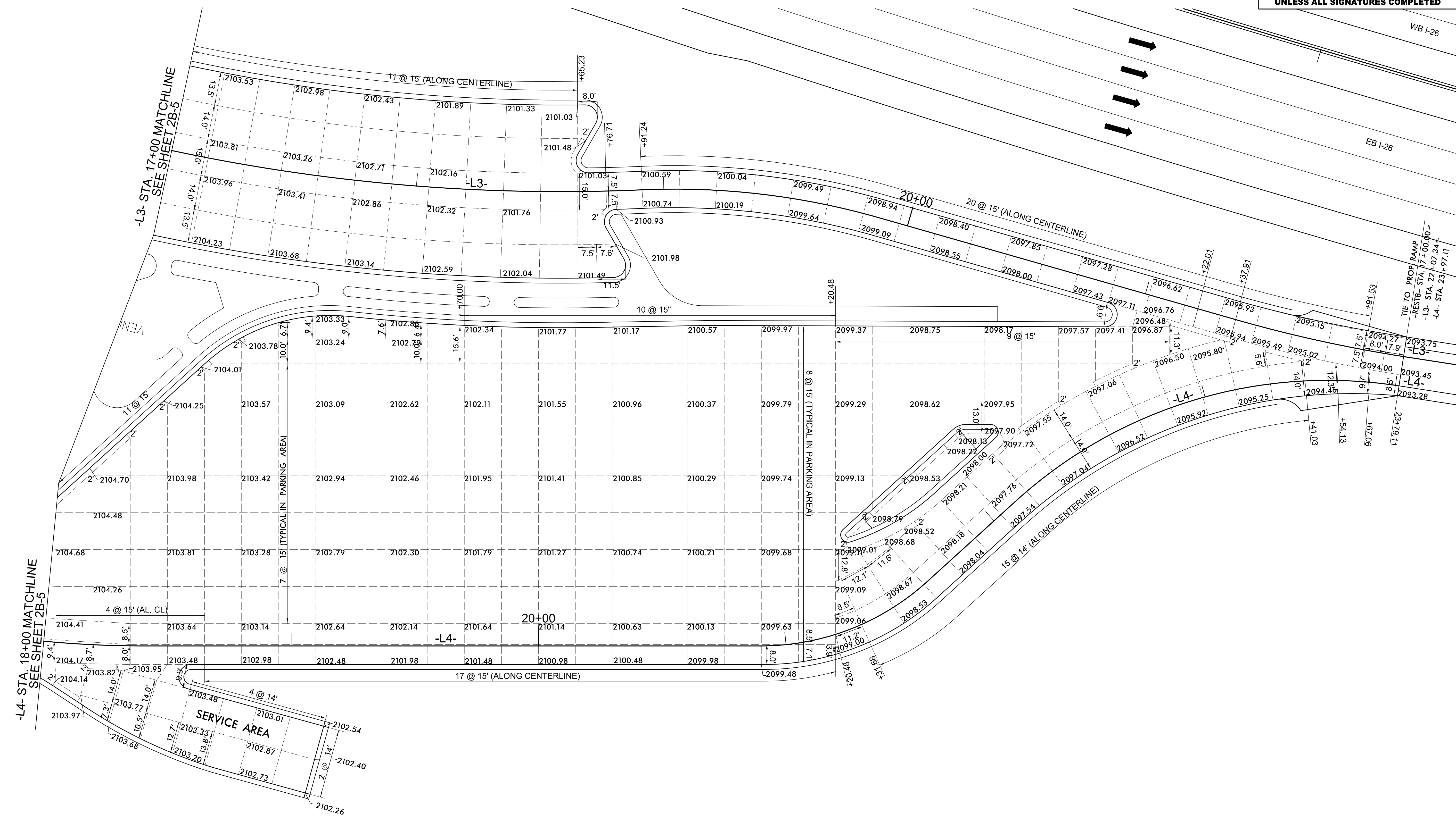
PAVEMENT ELEVATIONS AND CONCRETE JOINT DETAILS - EAST BOUND SITE

NOTE: JOINTS ARE PERPENDICULAR TO RESPECTIVE ALIGNMENTS, EXCEPT IN LIMITED AREAS AT TRANSITIONS AND IN PARKING AREAS.

NOTE: SEE LANDSCAPING PLANS FOR YARD GRADING.



REVISIONS



-L4- STA. 18+00 MATCHLINE
SEE SHEET 2B-5

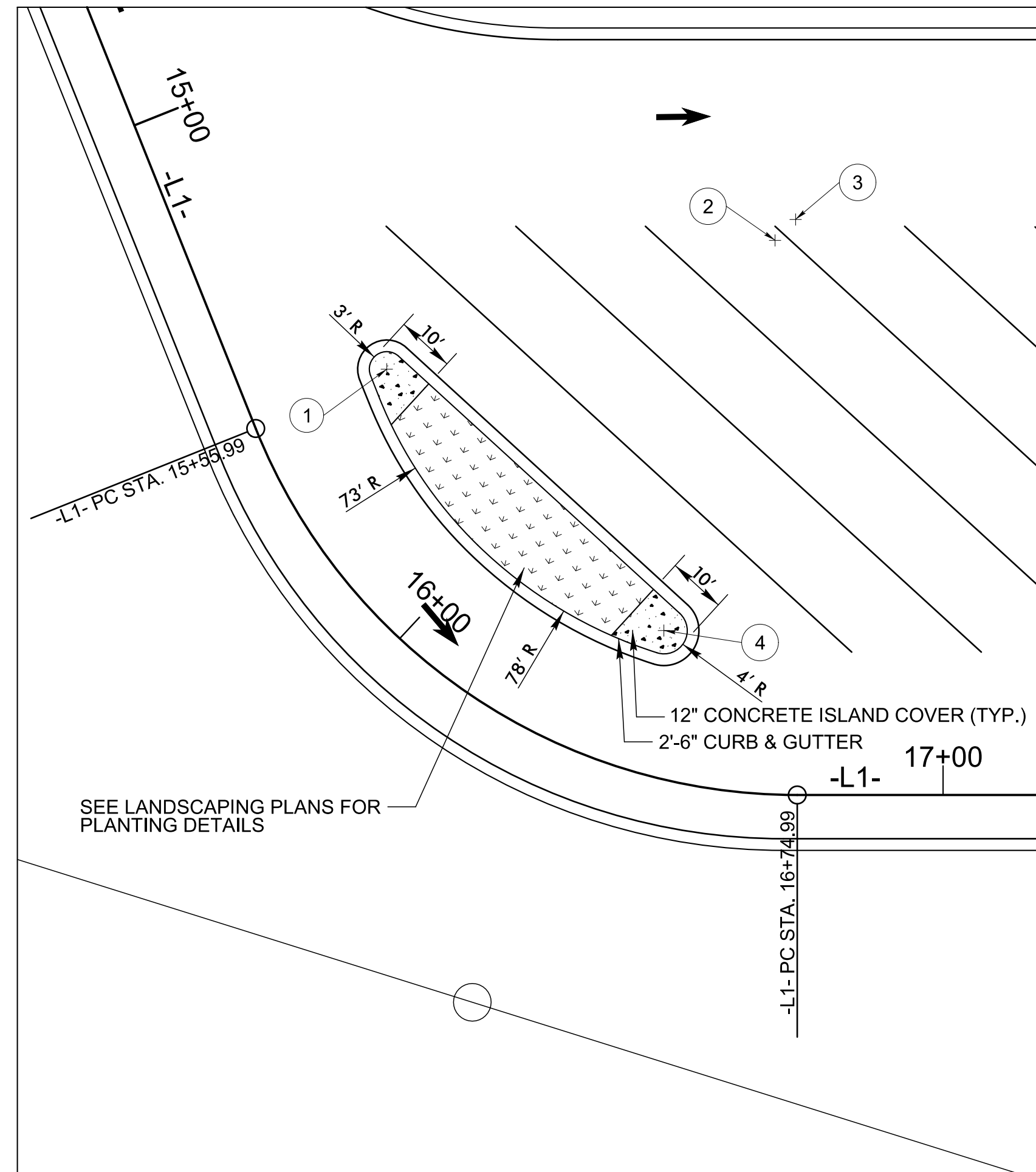
-L3- STA. 17+00 MATCHLINE
SEE SHEET 2B-5

SERVICE AREA
2103.01
2102.87
2102.73
2102.40
2102.26

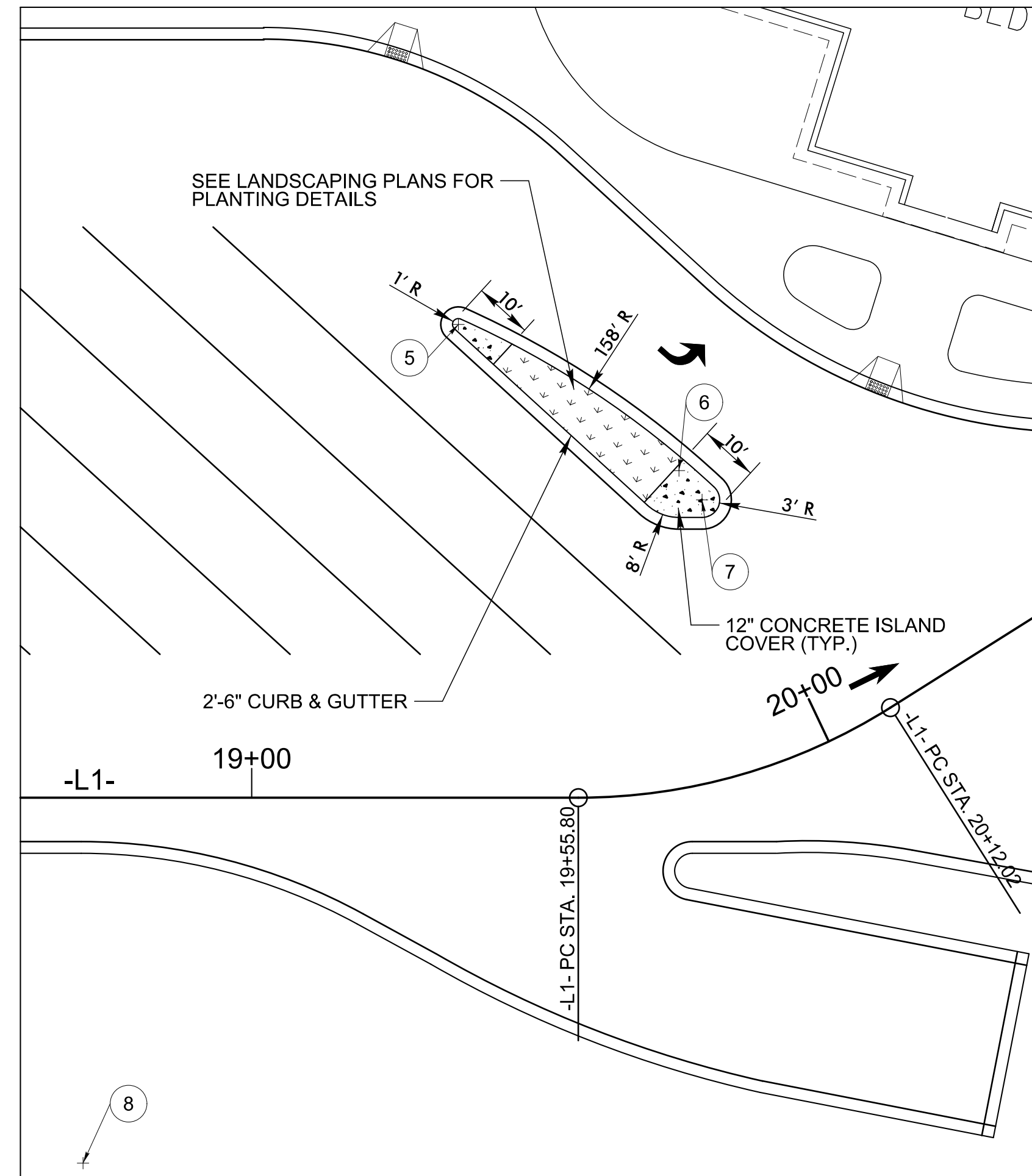


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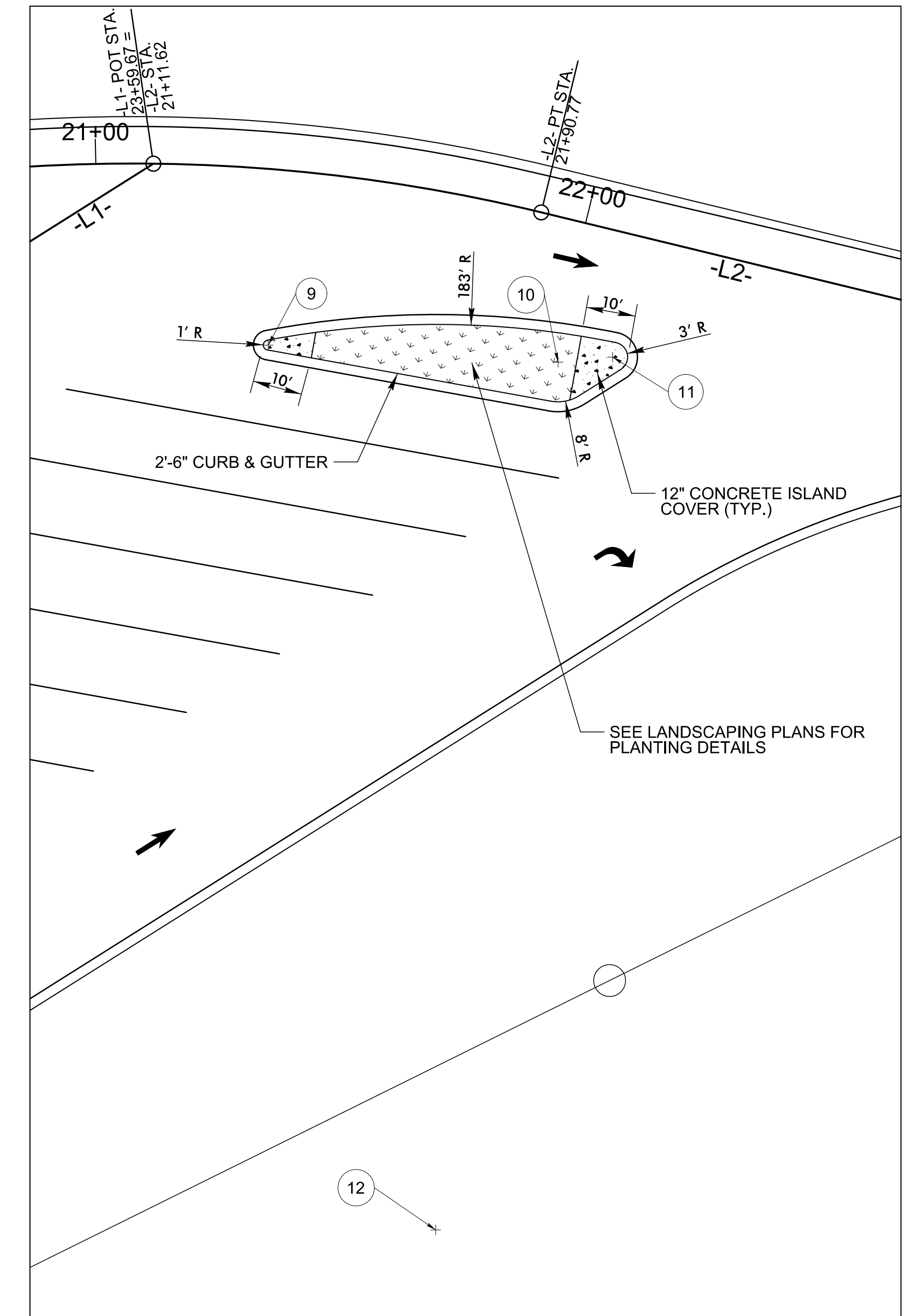
LAYOUT DETAIL FOR -L1- ISLAND #1



LAYOUT DETAIL FOR -L1- ISLAND #2



LAYOUT DETAIL FOR -L2- ISLAND #3



REVISIONS

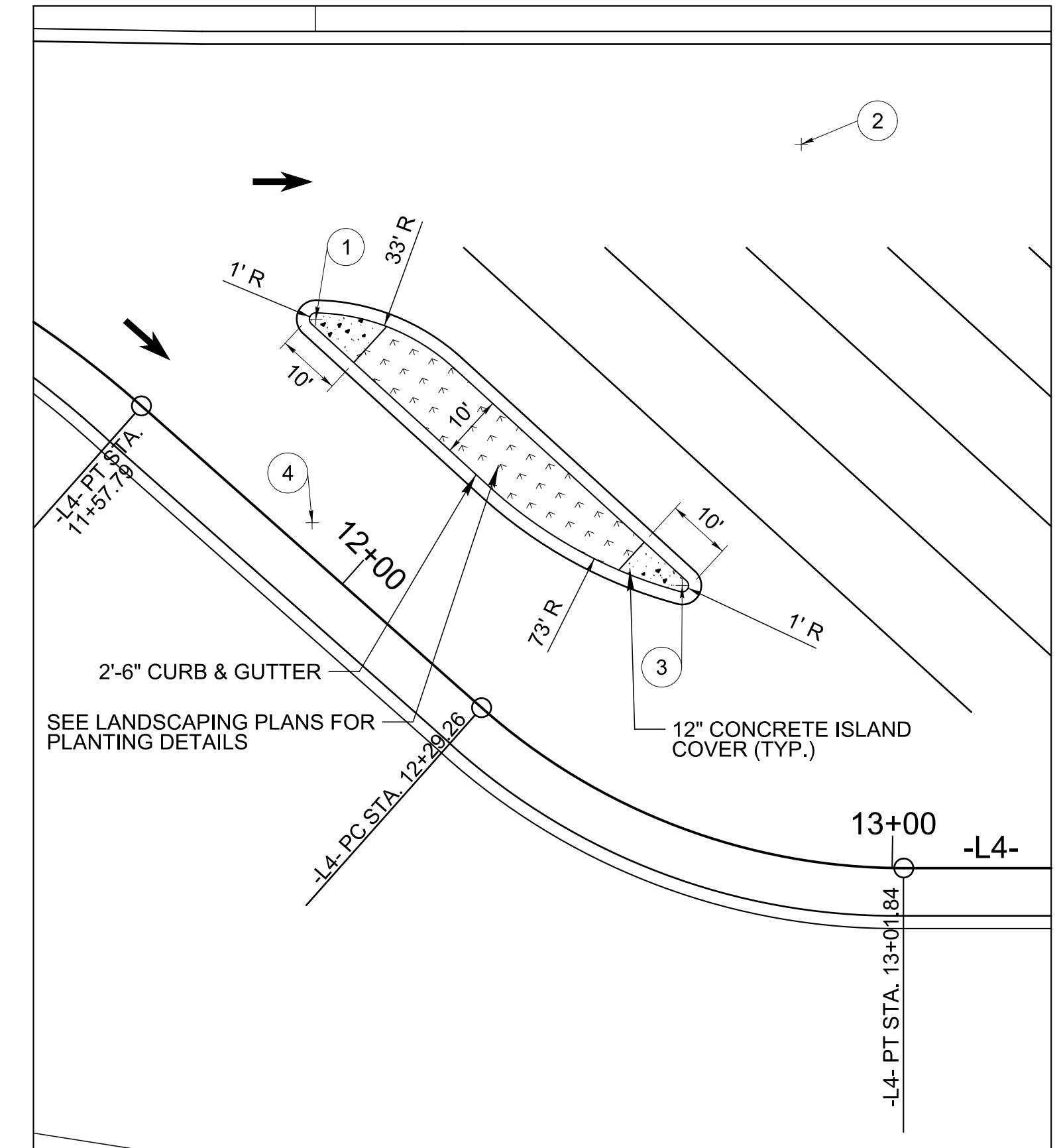
LOCATION	CENTER			POINTS OF CURVATURE			
	NORTHING(Y)	EASTING(X)	RADIUS	NORTHING(Y)	EASTING(X)	NORTHING(Y)	EASTING(X)
1	628817.2862	949427.1981	3	628815.4263	949429.5520	628817.94	949424.2702
2	628864.0134	949374.905	73	628818.7554	949432.1825	628845.8286	949445.6038
3	628865.2589	949370.0626	78	628845.8286	949445.6038	628881.6533	949446.3202
4	628880.8126	949442.4096	4	628881.6533	949446.3202	628881.6844	949438.5057
5	629100.1402	949255.7247	1	629100.0399	949254.7297	629099.9223	949256.7006
6	629145.2581	949258.628	8	629143.5145	949266.4357	629149.2417	949265.5657
7	629151.1704	949260.9989	3	629152.6642	949263.6005	629151.8531	949258.0776
8	629115.897	949411.932	158	629151.8531	949258.0776	629100.0399	949254.7297
9	629397.9342	948988.8305	1	629397.2837	948988.0711	629398.2700	948989.7725
10	629450.4355	948962.6799	8	629453.1221	948970.2153	629457.5040	948966.4263
11	629459.4942	948956.2651	3	629462.1449	948957.6700	629458.5469	948953.4186
12	629516.3301	949127.0564	183	629458.5469	948953.4186	629397.2837	948988.0711

ROADWAY DESIGN ENGINEER

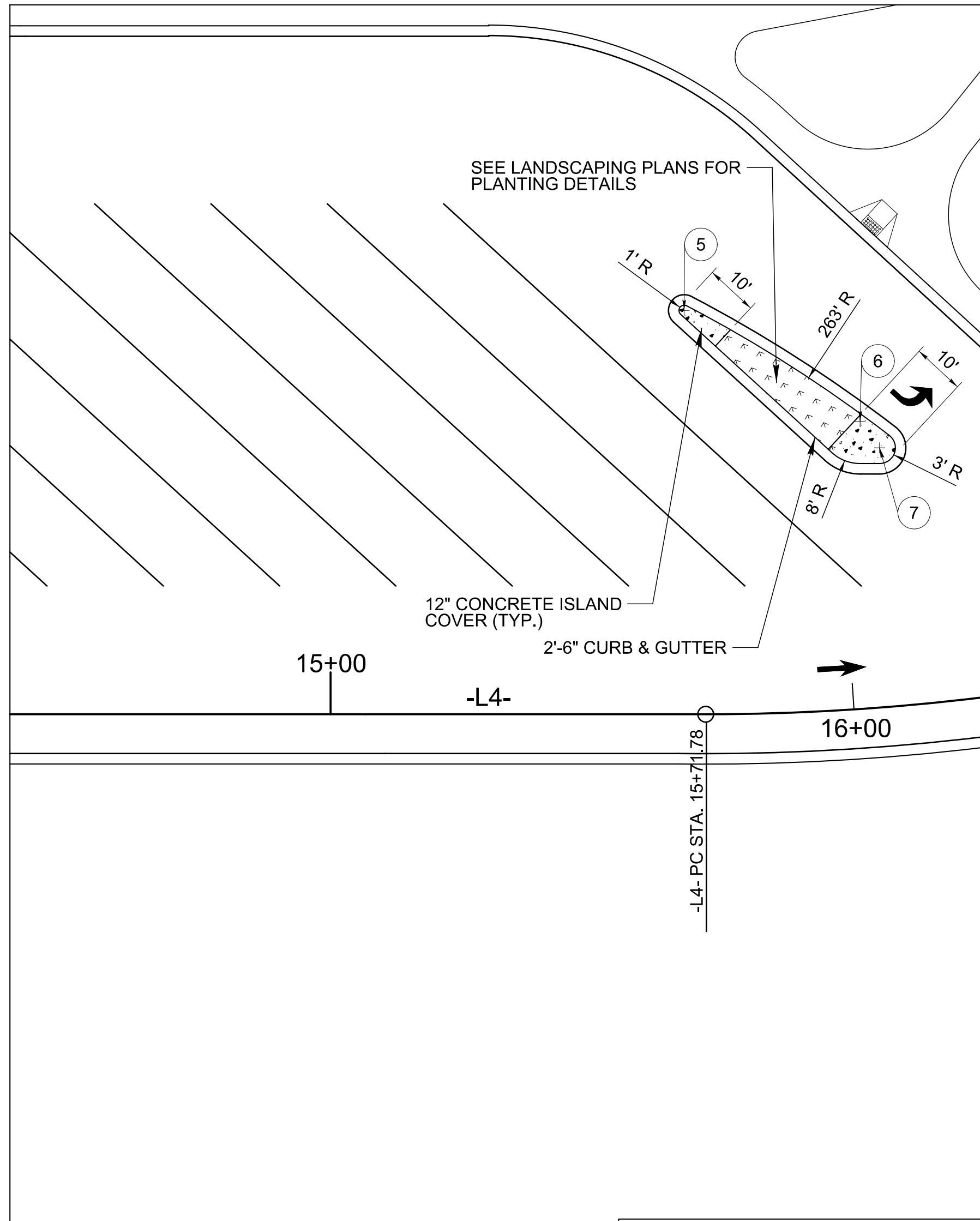
JOHN J. HESS
 SEAL 042542
 ENGINEER
 John J. Hess 7/15/2019

DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED

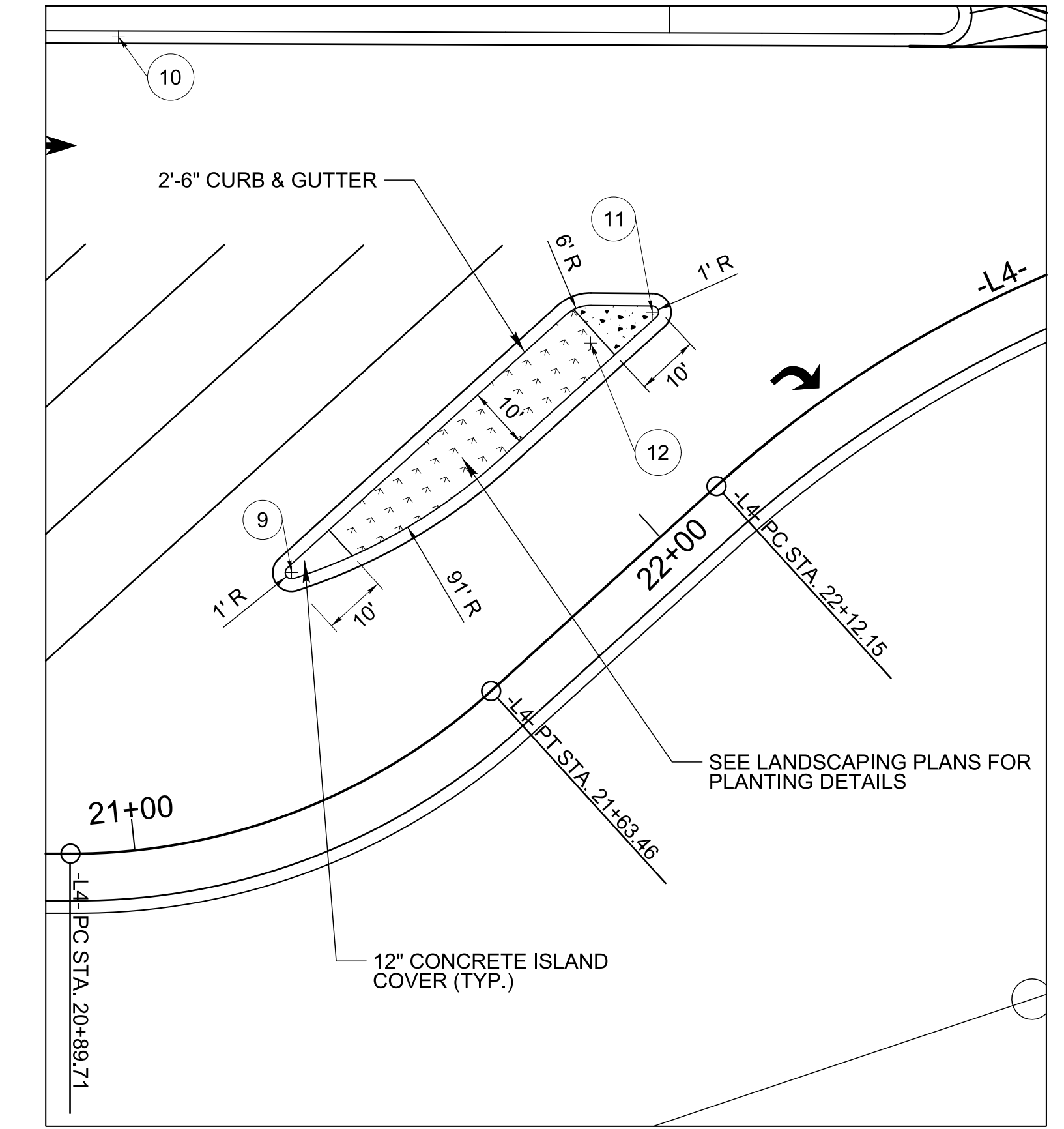
LAYOUT DETAIL FOR -L4- ISLAND #1



LAYOUT DETAIL FOR -L4- ISLAND #2



LAYOUT DETAIL FOR -L4- ISLAND #3



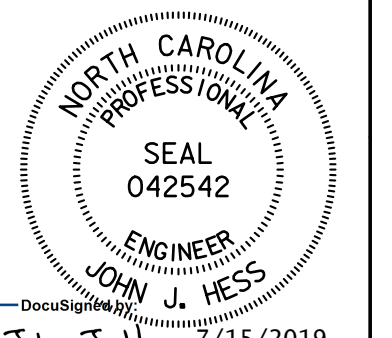
LOCATION	CENTER			POINTS OF CURVATURE			
	NORTHING(Y)	EASTING(X)	RADIUS	NORTHING(Y)	EASTING(X)	NORTHING(Y)	EASTING(X)
1	629212.0006	948686.8554	1	629211.9000	948687.8503	629212.7341	948686.1757
2	629133.5205	948708.0934	73	629187.0656	948658.4756	629158.3851	948639.4584
3	629158.0445	948640.3986	1	629158.3851	948639.4584	629157.3110	948641.0783
4	629215.218	948655.0176	33	629191.0127	948677.4475	629211.9000	948687.8503
5	628855.8384	948648.2456	1	628855.3038	948649.0907	628856.5719	948647.5659
6	628824.1078	948624.3022	8	628829.9757	948618.8646	628824.7671	948616.3294
7	628820.7901	948619.0107	3	628821.0373	948616.0209	628818.7694	948621.2282
8	628995.9136	948246.8343	263	628818.7694	948621.2282	628855.3038	948649.0907
9	628378.5929	948814.3571	1	628379.5492	948814.6498	628377.8424	948813.6964
10	628446.1463	948873.826	91	628377.8424	948813.6964	628359.1307	948847.1934
11	628350.2601	948879.5931	1	628349.3039	948879.3005	628350.7632	948880.4573
12	628356.2323	948870.3308	6	628359.2510	948875.5161	628361.9696	948872.0868

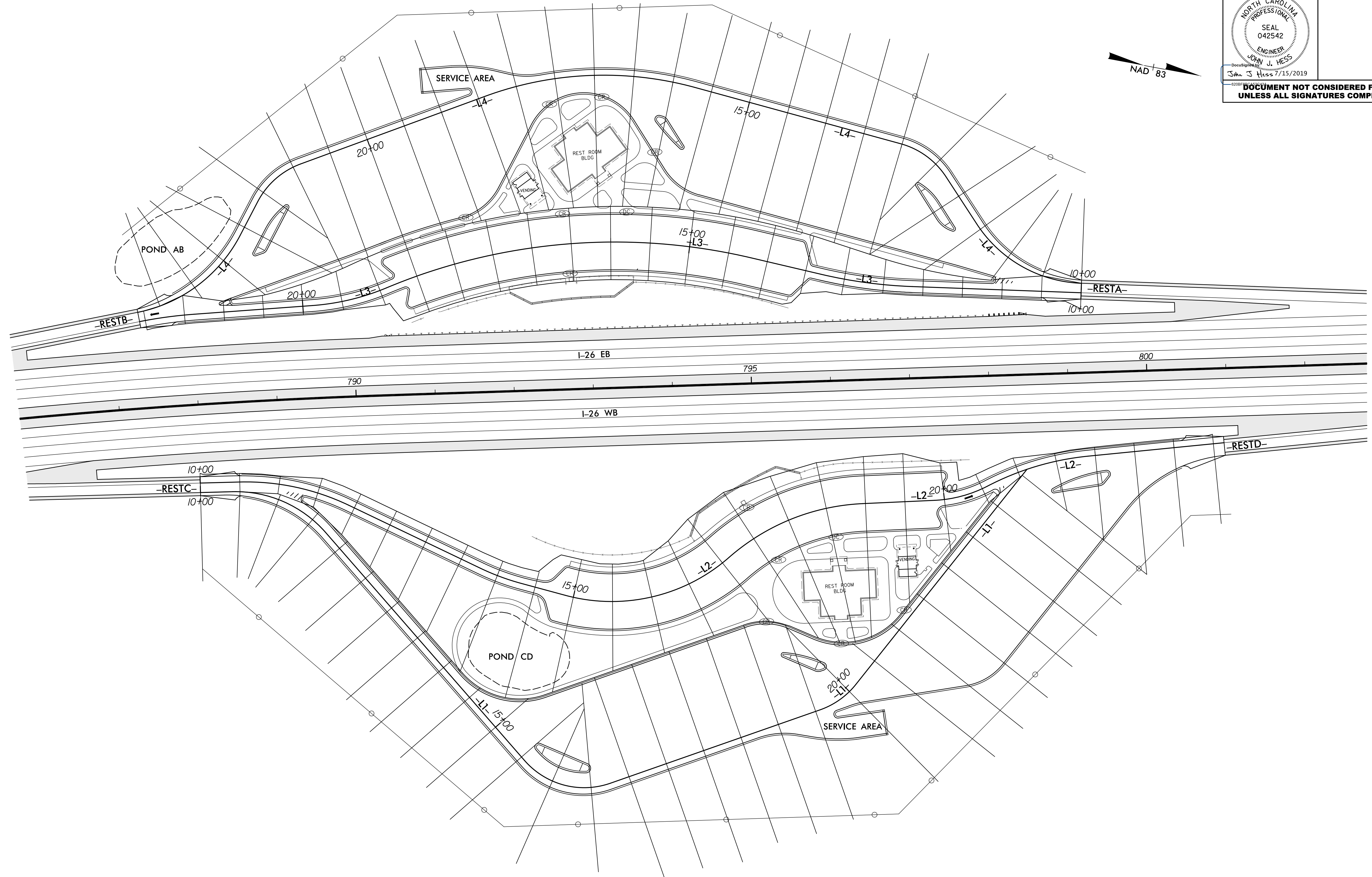
REVISIONS

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 HNTB

CROSS-SECTION LAYOUT

HNTB HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554

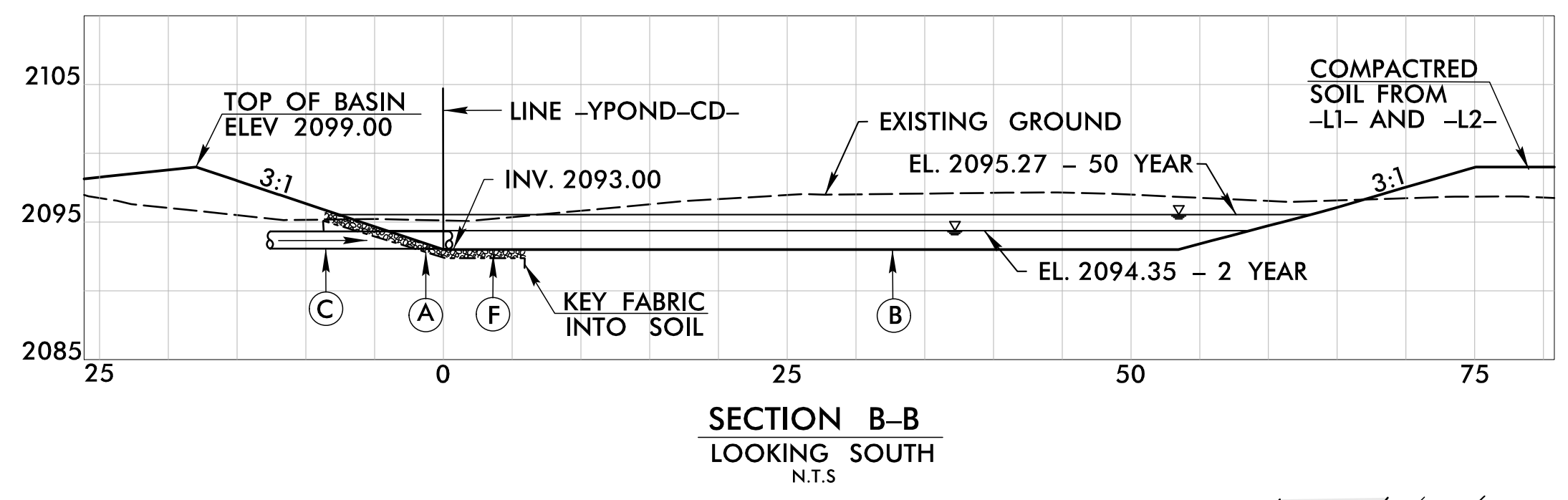
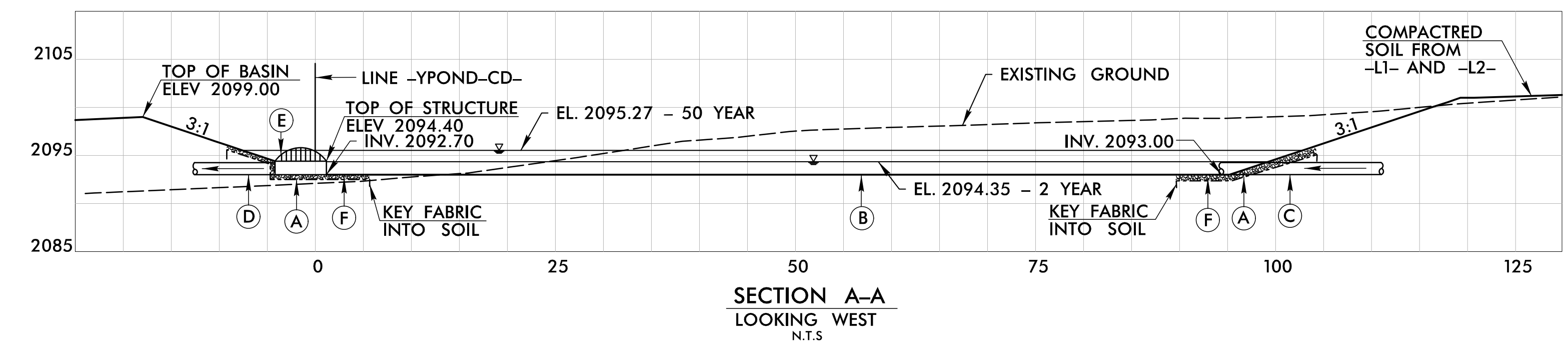
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RW SHEET NO.	
ROADWAY DESIGN ENGINEER	
	
JOHN J. HESS SEAL 042542 ENGINEER John J Hess 7/15/2019	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



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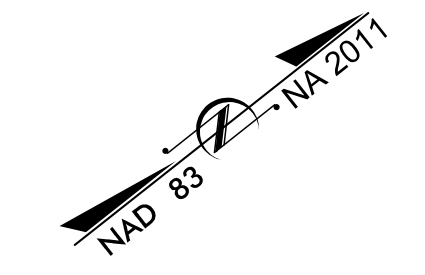
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PROJECT REFERENCE NO. 1-4400C	SHEET NO. 2D-1
RW SHEET NO.	
ROADWAY DESIGN ENGINEER SEAL 042542 JOHN J. HESS DocuSign/15/2019	HYDRAULICS ENGINEER SEAL 20646 MATTHEW D. FOSTER DocuSign/15/2019
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

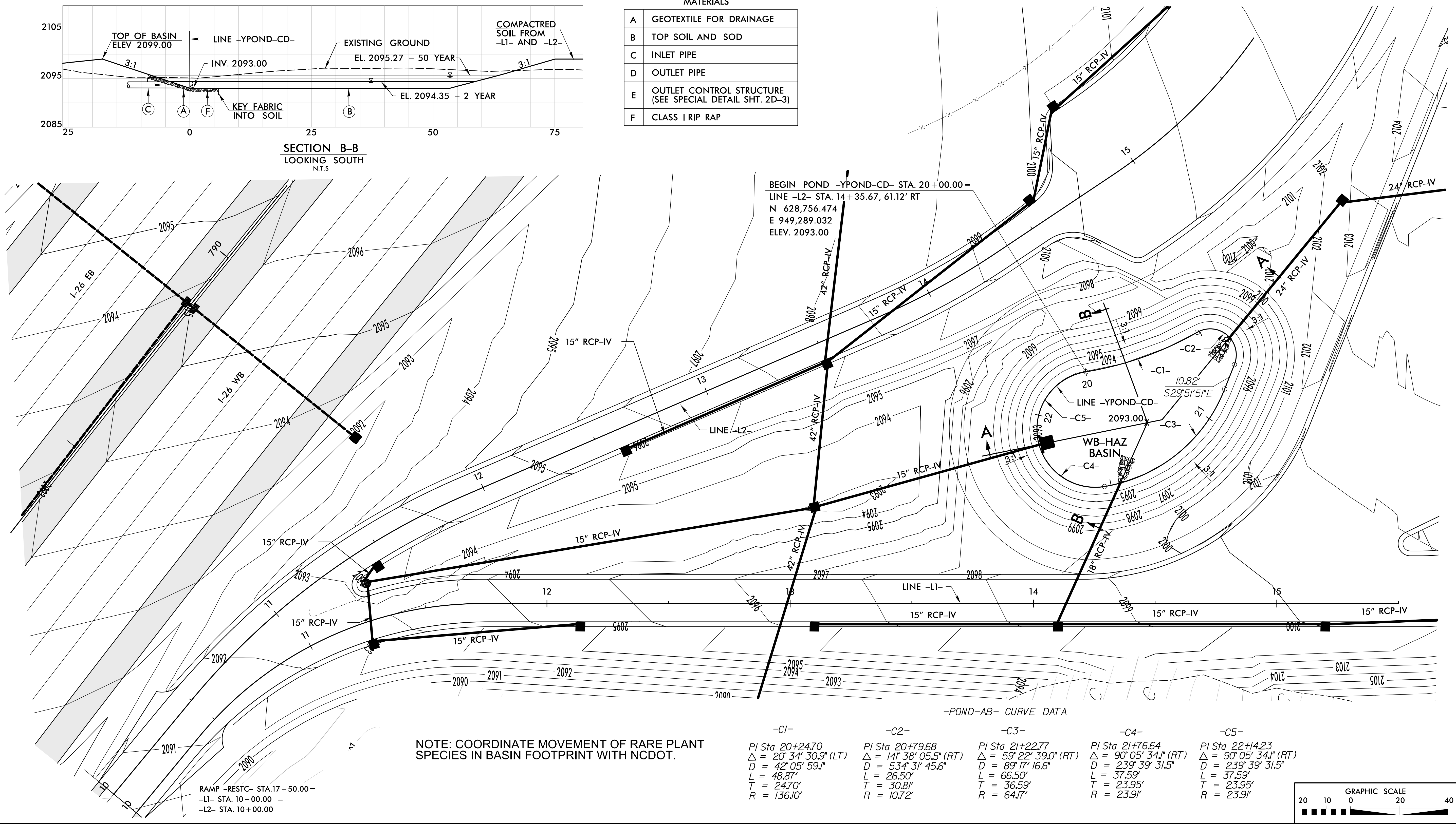


MATERIALS

A	GEOTEXTILE FOR DRAINAGE
B	TOP SOIL AND SOD
C	INLET PIPE
D	OUTLET PIPE
E	OUTLET CONTROL STRUCTURE (SEE SPECIAL DETAIL SHT. 2D-3)
F	CLASS I RIP RAP



REVISIONS



NOTE: COORDINATE MOVEMENT OF RARE PLANT SPECIES IN BASIN FOOTPRINT WITH NCDOT.

-C1-	-C2-	-C3-	-C4-	-C5-
PI Sta 20+24.70	PI Sta 20+79.68	PI Sta 21+22.77	PI Sta 21+76.64	PI Sta 22+14.23
$\Delta = 20^\circ 34' 30.9''$ (LT)	$\Delta = 141^\circ 38' 05.5''$ (RT)	$\Delta = 59^\circ 22' 39.0''$ (RT)	$\Delta = 90^\circ 05' 34.1''$ (RT)	$\Delta = 90^\circ 05' 34.1''$ (RT)
D = 42' 05" 59.1"	D = 53' 31" 45.6"	D = 89' 17" 16.6"	D = 239' 39" 31.5"	D = 239' 39" 31.5"
L = 48.87'	L = 26.50'	L = 66.50'	L = 37.59'	L = 37.59'
T = 24.70'	T = 30.81'	T = 36.59'	T = 23.95'	T = 23.95'
R = 136.10'	R = 10.72'	R = 64.17'	R = 23.91'	R = 23.91'

RAMP -RESC- STA. 17+50.00 =
 -L1- STA. 10+00.00 =
 -L2- STA. 10+00.00 =



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 HNTB

ROADWAY DESIGN ENGINEER
 JOHN J. HESS
 SEAL 042542
 NORTH CAROLINA PROFESSIONAL ENGINEER
 DocuSign Envelope ID: 38058422-2019

HYDRAULICS ENGINEER
 MATTHEW D. FOSTER
 SEAL 20646
 NORTH CAROLINA PROFESSIONAL ENGINEER
 DocuSign Envelope ID: 2019/2019

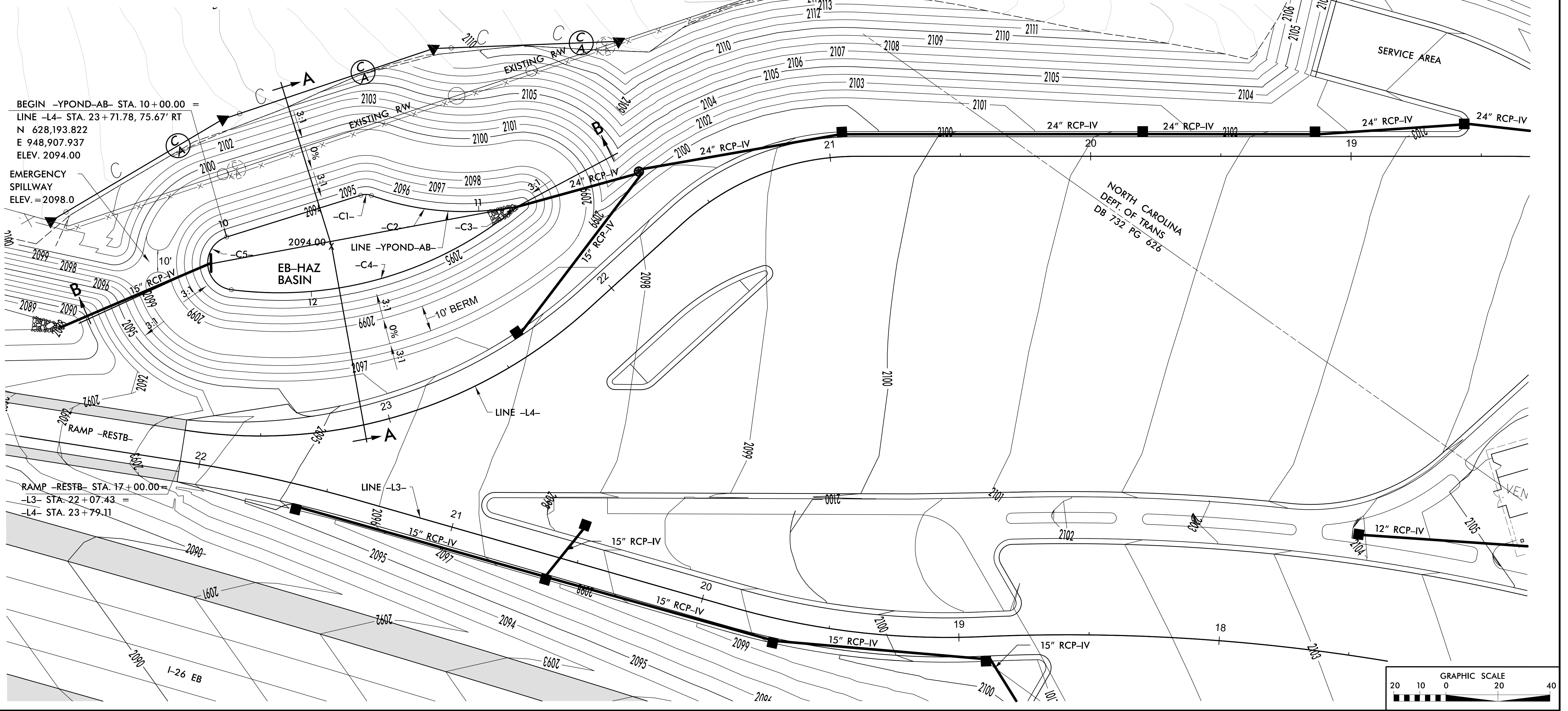
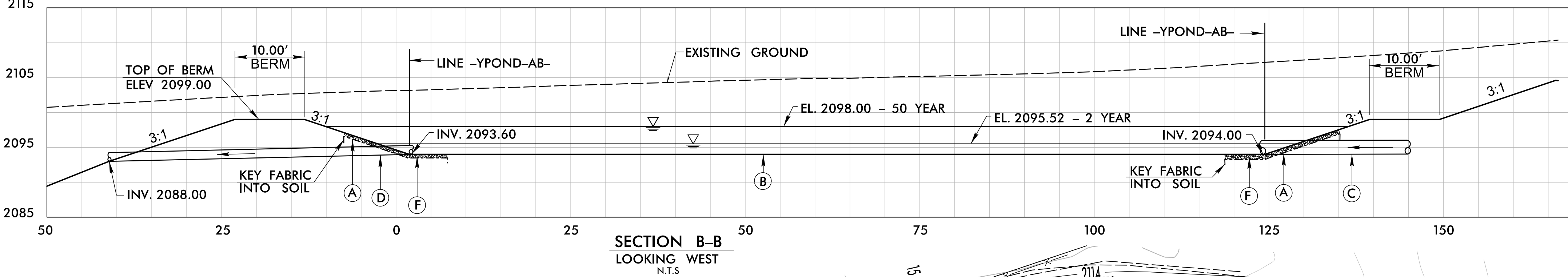
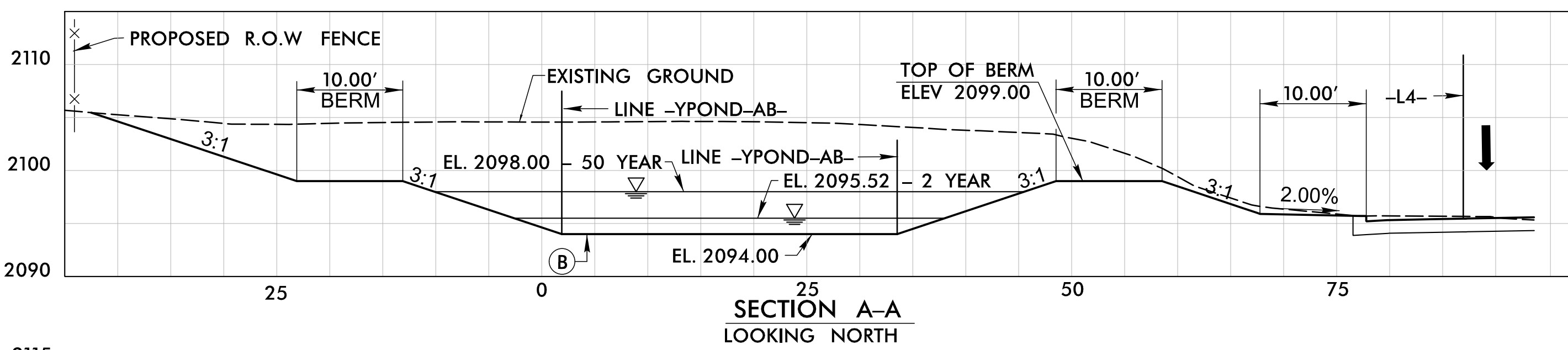
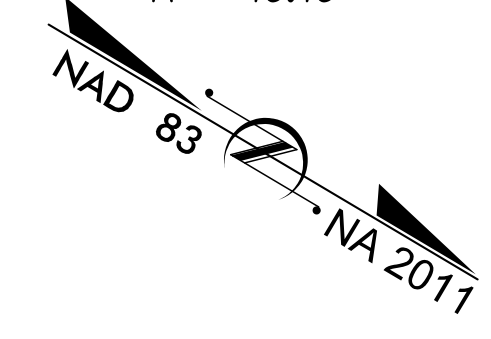
**DOCUMENT NOT CONSIDERED FINAL
 UNLESS ALL SIGNATURES COMPLETED**

MATERIALS

A	GEOTEXTILE FOR DRAINAGE
B	TOP SOIL AND SOD
C	INLET PIPE
D	OUTLET PIPE
E	OUTLET CONTROL STRUCTURE
F	CLASS I RIP RAP

-POND-AB- CURVE DATA

Curve -C1- PI Sta 10+56.08 Δ = 37° 01' 33.0" (RT) D = 881' 28" 24.7" L = 4.20' T = 2.18' R = 6.50'	Curve -C2- PI Sta 10+86.37 Δ = 30° 04' 29.8" (LT) D = 54' 27" 13.0" L = 55.23' T = 28.27' R = 105.22'	Curve -C3- PI Sta 11+15.29 Δ = 151° 19' 34.8" (RT) D = 11459' 09" 21.3" L = 1.32' T = 1.96' R = 0.50'	Curve -C4- PI Sta 11+76.07 Δ = 46° 20' 52.1" (RT) D = 39' 55" 46.5" L = 116.07' T = 61.42' R = 143.49'	Curve -C5- PI Sta 12+78.37 Δ = 155° 22' 29.9" (RT) D = 550' 55" 15.4" L = 28.20' T = 47.65' R = 10.40'
--	---	---	--	--



BEGIN -YPOND-AB- STA. 10+00.00 =
 LINE -L4- STA. 23+71.78, 75.67' RT
 N 628,193.822
 E 948,907.937
 ELEV. 2094.00

EMERGENCY
 SPILLWAY
 ELEV. = 2098.0

RAMP -RESTB- STA. 17+00.00 =
 -L3- STA. 22+07.43 =
 -L4- STA. 23+79.11

NORTH CAROLINA
 DEPT. OF TRANS
 DB 732 PG 525

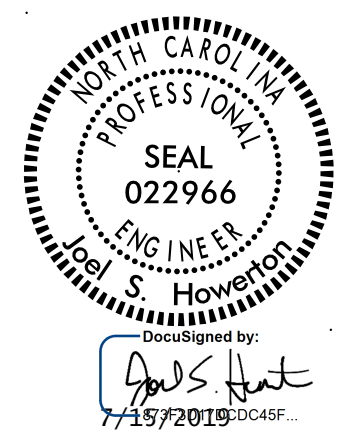


REVISIONS

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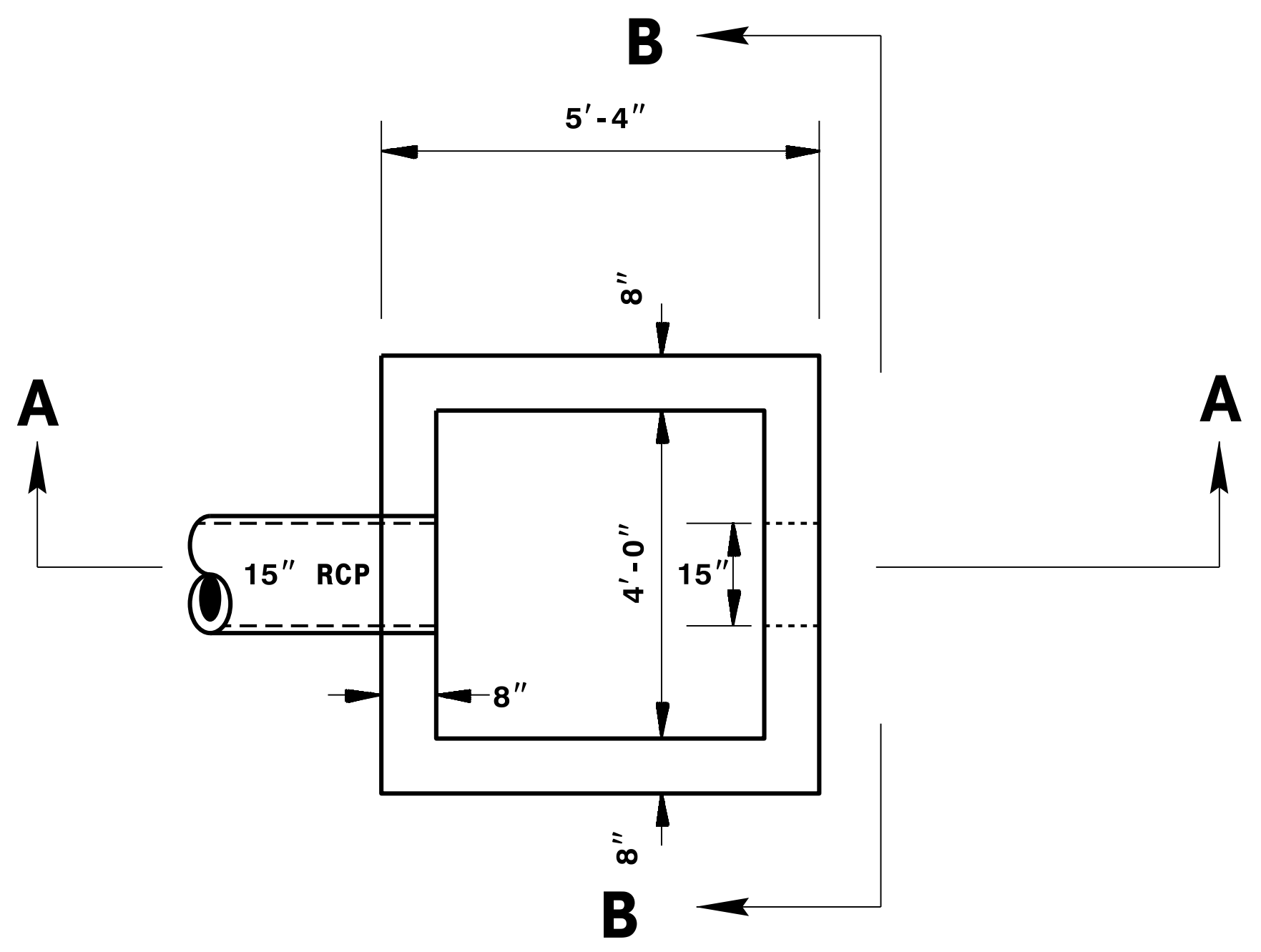
* NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
I-4400C	2D-3
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



GENERAL NOTES:

- * CHANGES IN ELEVATIONS MUST BE APPROVED BY THE ENGINEER.
- * CLASS 'B' CONCRETE TO BE USED THROUGHOUT. PRECAST CONCRETE STRUCTURES TO BE SUBMITTED FOR APPROVAL. USE STD 840.45.
- * OPTIONAL CONSTRUCTION - MONOLITHIC POUR, 2 INCH KEYWAY, OR #4 BAR DOWELS AT 12 INCH CENTERS, AS DIRECTED BY THE ENGINEER.
- * FORMS ARE TO BE USED FOR THE CONSTRUCTION OF THE BOTTOM SLAB.
- * IF REINFORCED CONCRETE PIPE IS SET IN BASE SLAB OF BOX, ADD TO BASE AS SHOWN ON STANDARD 840.00.

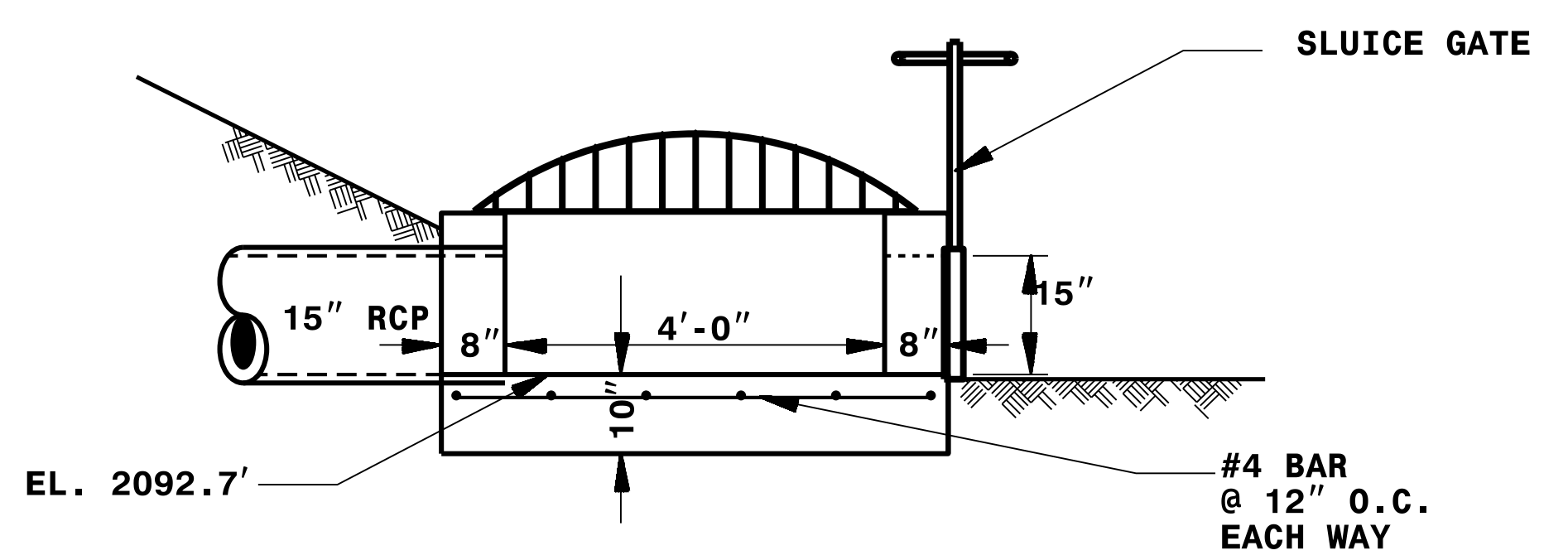


PLAN

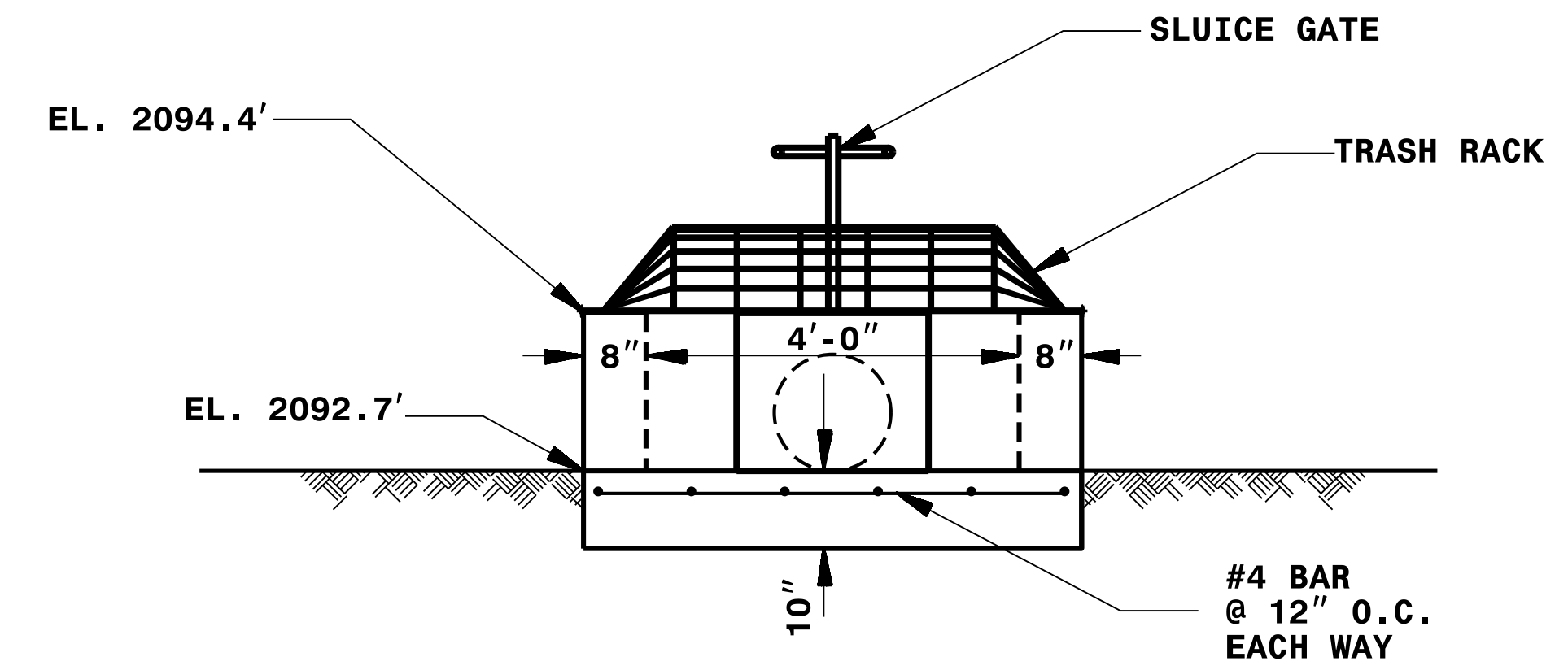
BILL OF MATERIAL

BAR	NO.	SIZE	LENGTH	WEIGHT
H	12	#4	5'-0"	40
TOTAL REINF. STEEL (lbs.)				40
CLASS "B" CONC. (cu. yds.)				1.7

NO DEDUCTIONS HAVE BEEN MADE FOR PIPE OPENINGS



SECTION A-A



SECTION B-B

09-APR-2019 15:42 S:\Contracts\Special Details\kempf\english\I4400c control structure.dgn kempf AT CSD-292596

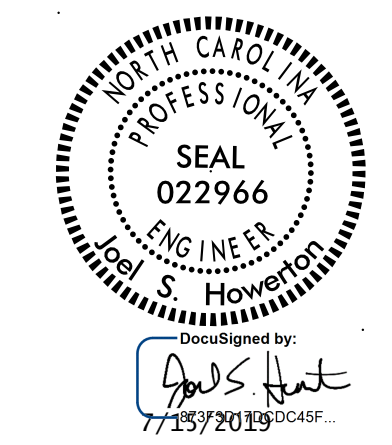
**CONTRACTS STANDARDS
AND DEVELOPMENT UNIT**
Office 919-707-6950 FAX 919-250-4119

**DETAIL OF
DRAWDOWN STRUCTURE**

ORIGINAL BY: K. KEMPF	DATE: APR 2019
MODIFIED BY: _____	DATE: _____
CHECKED BY: _____	DATE: _____
FILE SPEC.: /details/kempf/english/I4400c control structure.dgn	

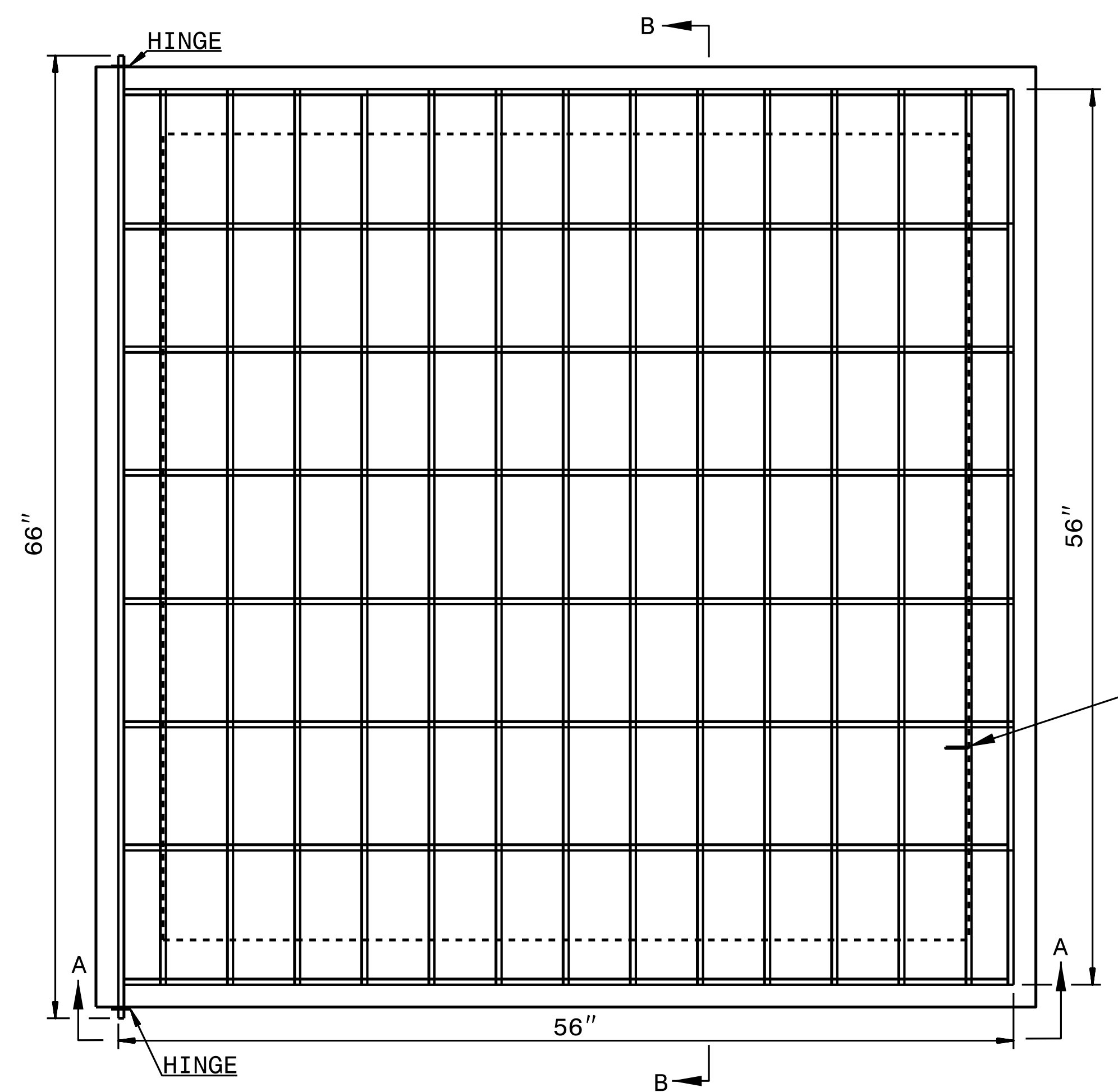
* NOT TO SCALE

PROJECT REFERENCE NO.	SHEET NO.
I-4400C	2D-4
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

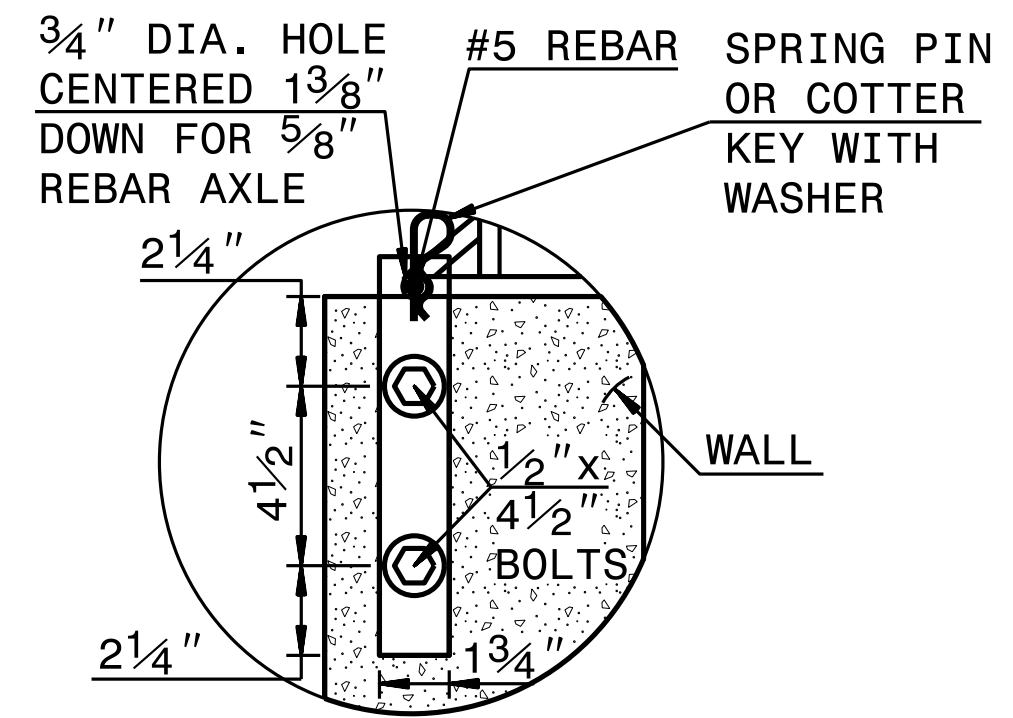


- GENERAL NOTES:
1. ALL REBAR JOINTS SHALL BE FULLY WELDED AROUND JOINT WITH A MINIMUM OF A 1/4" BEAD.
 2. IF BOLTS ARE CHEMICALLY ANCHORED, FOLLOW STD. DWG. 862.04 FOR ANCHORING PROCEDURE.
 3. EYEBOLT FOR CHAIN CLOSURE SHALL BE INSTALLED BY THE SAME METHOD AS THE HINGE PLATE BOLTS.
 4. RACK AND HARDWARE SHALL BE GALVANIZED IN ACCORDANCE WITH ASTM 153.
 5. THIS DETAIL IS TO BE USED IN CONJUNCTION WITH A 5'-4" x 5'-4" CONCRETE OUTLET STRUCTURE DETAIL.

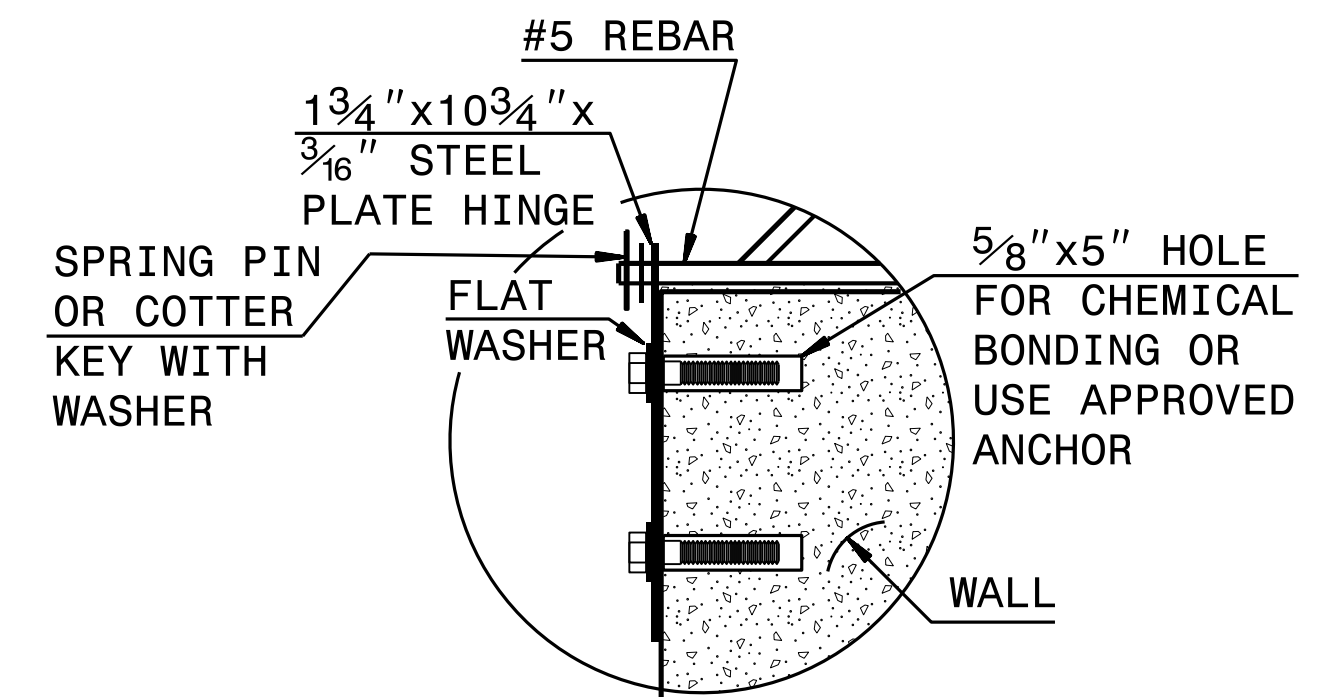
TOTALS:	
#4 REBAR LENGTH	70'-0"
WEIGHT	47 LBS
---PLUS---	
#5 REBAR LENGTH	19'-6"
WEIGHT	20 LBS
TOTAL WEIGHT	67 LBS



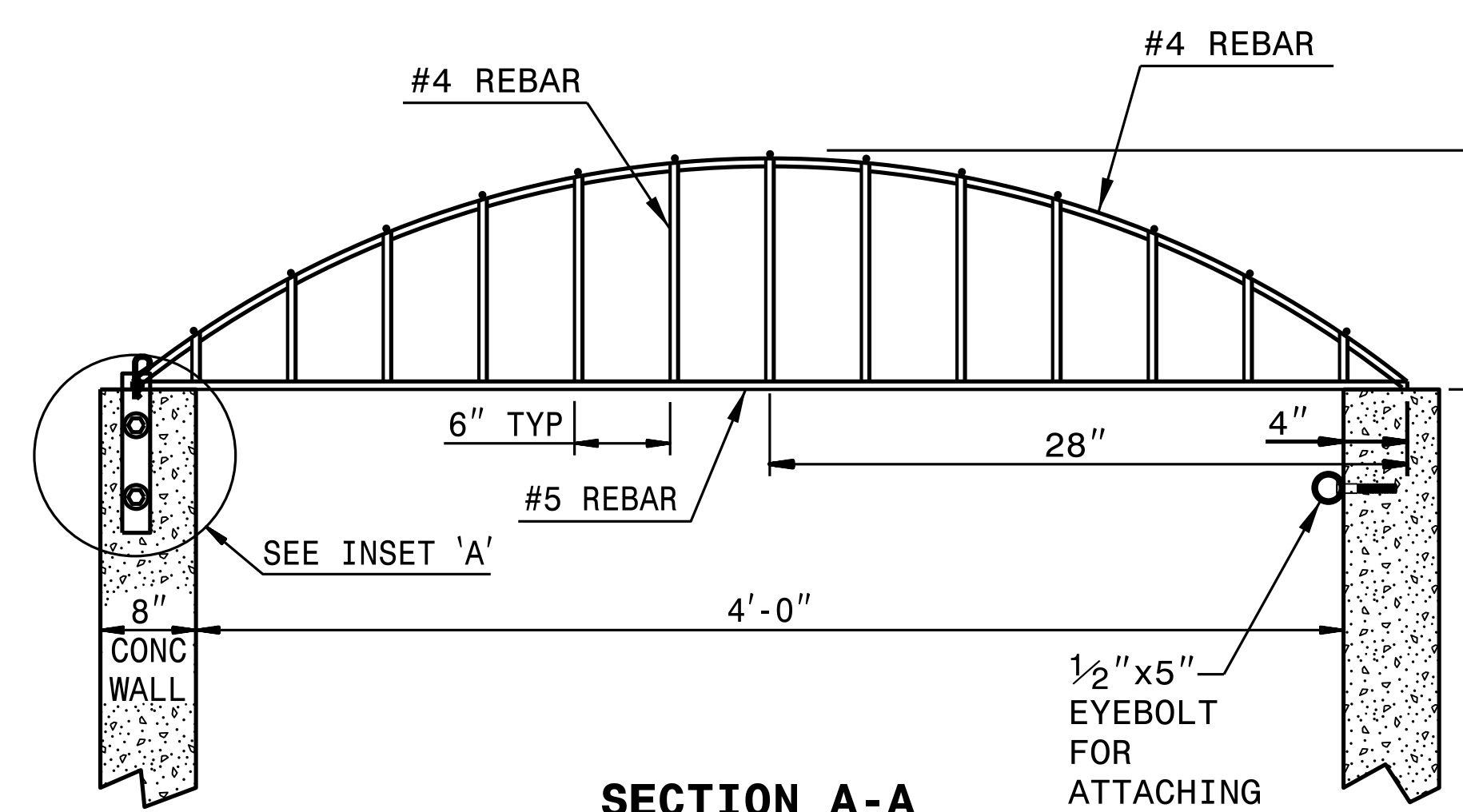
PLAN



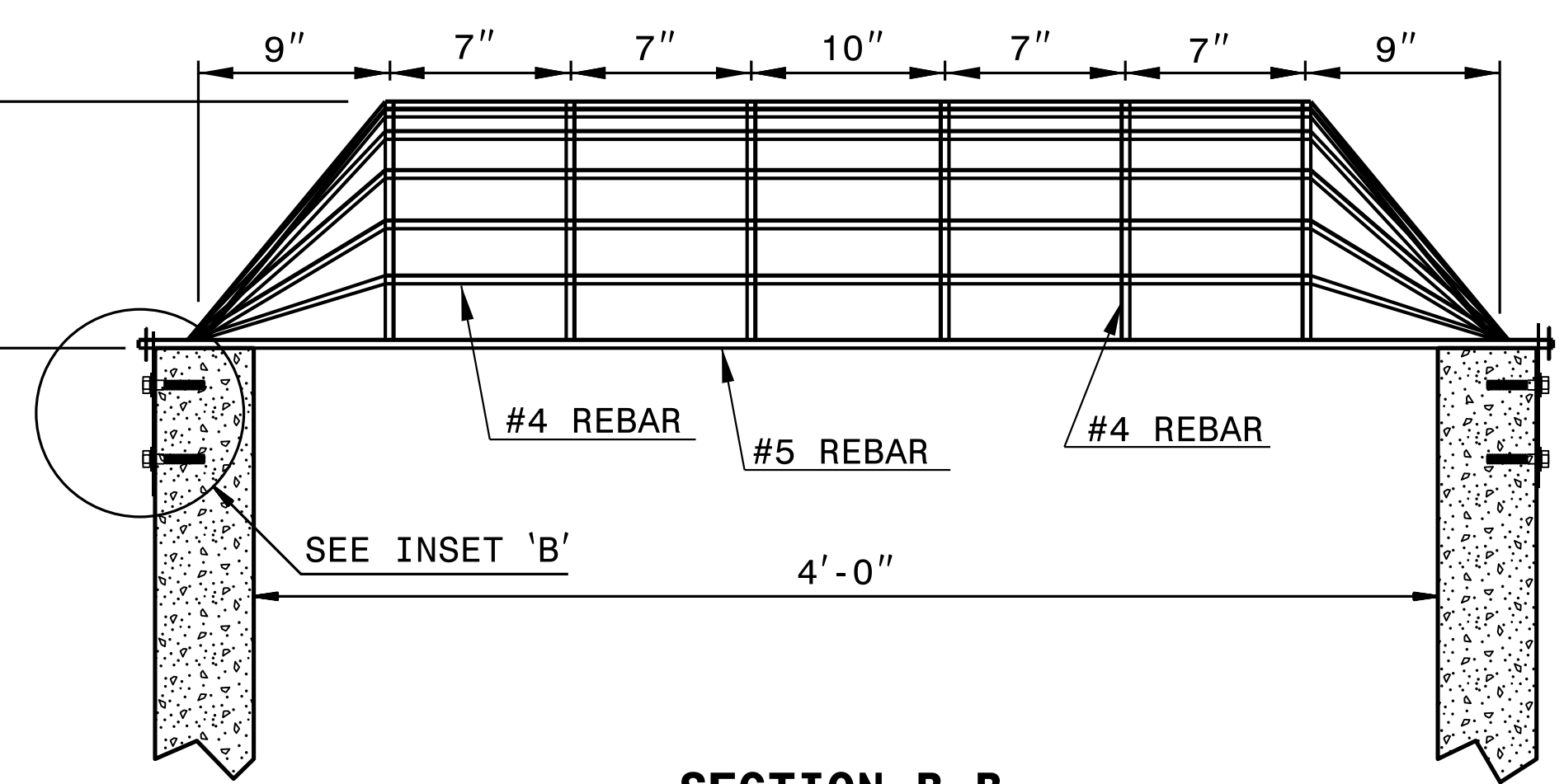
INSET 'A'



INSET 'B'



SECTION A-A



SECTION B-B

REBAR TRASH RACK

CONTRACT STANDARDS & DEVELOPMENT UNIT
STANDARDS AND SPECIAL DESIGN
Office 919-707-6950 FAX 919-250-4119

**DETAIL OF
REBAR TRASH RACK
& BLOCKOUT TRASH RACK**

ORIGINAL BY: _____ DATE: _____
 MODIFIED BY: _____ DATE: _____
 CHECKED BY: _____ DATE: _____
 FILE SPEC.: _____

09-APR-2019 15:08
 S:\Contracts\Special Details\kempf\english\I-4400c control structure.dgn
 kempf AT CSD-292596

STATE OF NORTH CAROLINA
 DIVISION OF HIGHWAYS

1. Quantities are approximate only. The Resident Engineer will recross-section the work accurately when the project is staked out. These cross-section notes will be used in computing the final quantities for which the contract unit price will be paid.
2. EMBANKMENT volumes shown do not include backfill for UNDERCUT areas.

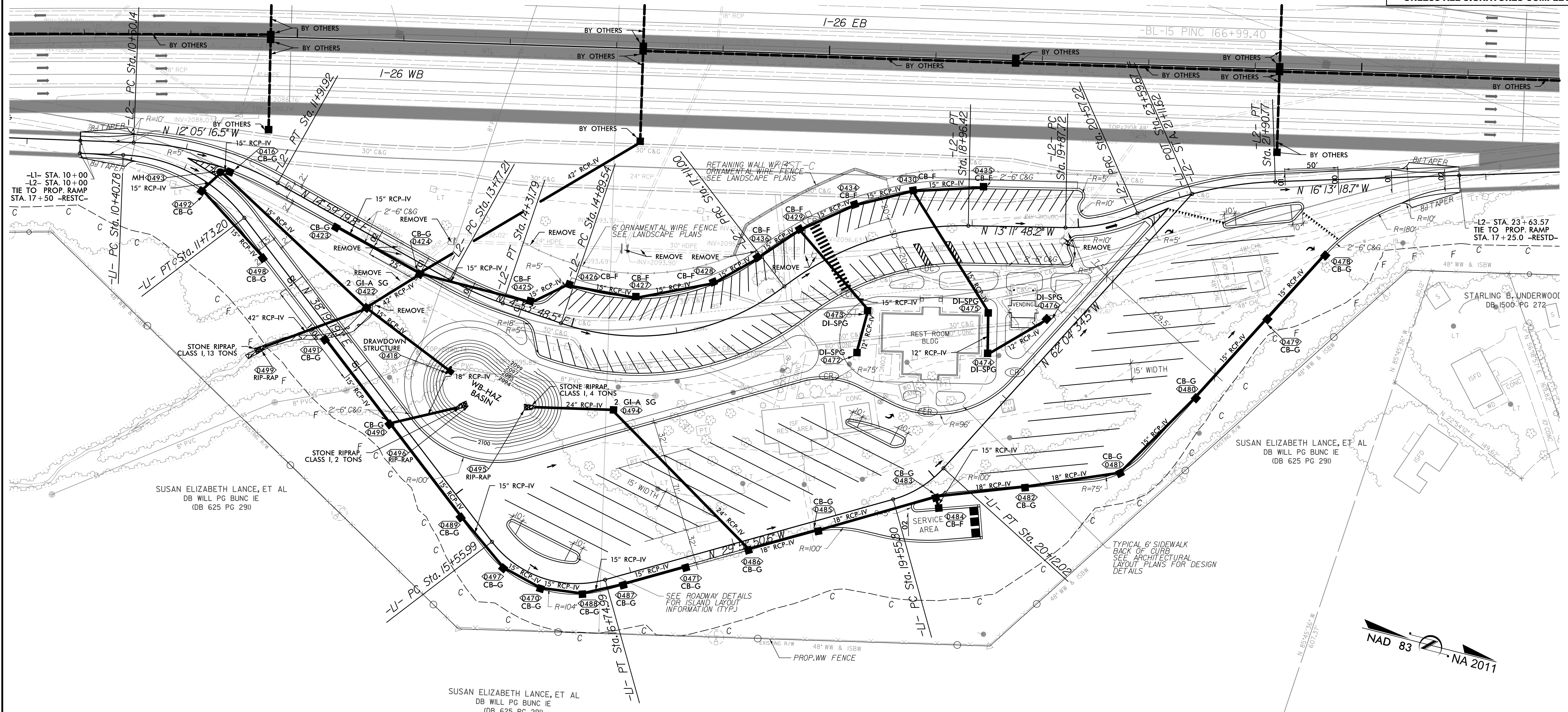
EARTHWORK SUMMARY

LOCATION	UNCL. EXCAV. (C.Y.)	UNDERCUT (C.Y.)	EMBANK. + % (C.Y.)	BORROW (C.Y.)	WASTE (C.Y.)
I-26 PROPOSED REST AREA					
L1	37,895	-	5,247	4,045	31,011
L2	2,213	-	10,895	9,315	301
WESTBOUND REST AREA SUBTOTAL	40,109	-	16,142	13,360	31,312
L3	10,189	-	1,255	960	8,367
L4	60,630	-	1,235	-	50,303
EASTBOUND REST AREA SUBTOTAL	70,820	-	2,490	960	58,670
PROJECT SUBTOTAL	110,928	-	18,632	14,320	89,982
WASTE TO REPLACE BORROW	-	-		-14,320	-14,320
PROJECT TOTAL (L1 + L2 + L3 + L4)	110,928	-	18,632	-	75,662
WASTE TO REPLACE I-4400C BORROW					-75,662
SAY (CUBIC YARDS)	111,000			-	-
ESTIMATED PAVEMENT STRUCTURE VOLUME=	13,570				

REVISIONS

PROJECT REFERENCE NO. I-4400C		SHEET NO. 4	
RW SHEET NO.		HYDRAULICS ENGINEER	
ROADWAY DESIGN ENGINEER		HYDRAULICS ENGINEER	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED			

REVISIONS



-L1-

PI Sta 11+11.62 Δ = 50° 24' 35.5" (RT) D = 38° 04' 12.3" L = 132.41' T = 70.84' R = 150.50'	PI Sta 16+23.67 Δ = 68° 11' 09.7" (LT) D = 57° 17' 44.8" L = 119.01' T = 67.69' R = 100.00'	PI Sta 19+84.68 Δ = 32° 12' 43.9" (LT) D = 57° 17' 44.8" L = 56.22' T = 28.88' R = 100.00'
--	--	---

-L2-

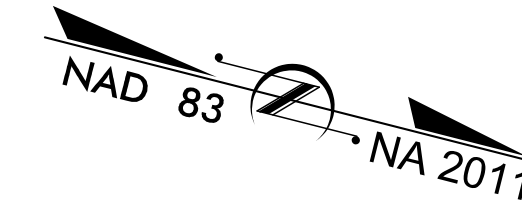
PI Sta 11+22.38 Δ = 27° 04' 36.3" (RT) D = 19° 05' 54.9" L = 141.77' T = 72.24' R = 300.00'	PI Sta 14+04.57 Δ = 10° 25' 31.3" (LT) D = 19° 05' 54.9" L = 54.59' T = 27.37' R = 300.00'	PI Sta 16+10.17 Δ = 56° 23' 33.0" (LT) D = 25° 27' 53.2" L = 221.45' T = 120.63' R = 225.00'	PI Sta 18+07.39 Δ = 38° 37' 56.3" (RT) D = 20° 50' 05.4" L = 185.42' T = 96.39' R = 275.00'	PI Sta 20+23.03 Δ = 24° 53' 17.5" (LT) D = 35° 48' 35.5" L = 69.50' T = 35.31' R = 160.00'	PI Sta 21+24.82 Δ = 21° 51' 46.9" (RT) D = 16° 22' 12.8" L = 133.55' T = 67.60' R = 350.00'
--	---	---	--	---	--

FOR -L1- AND -L2- PROFILE, SEE SHEET 6
FOR ROADWAY MAINLINE DESIGN DETAILS SEE I4400C ROADWAY DESIGN PLANS

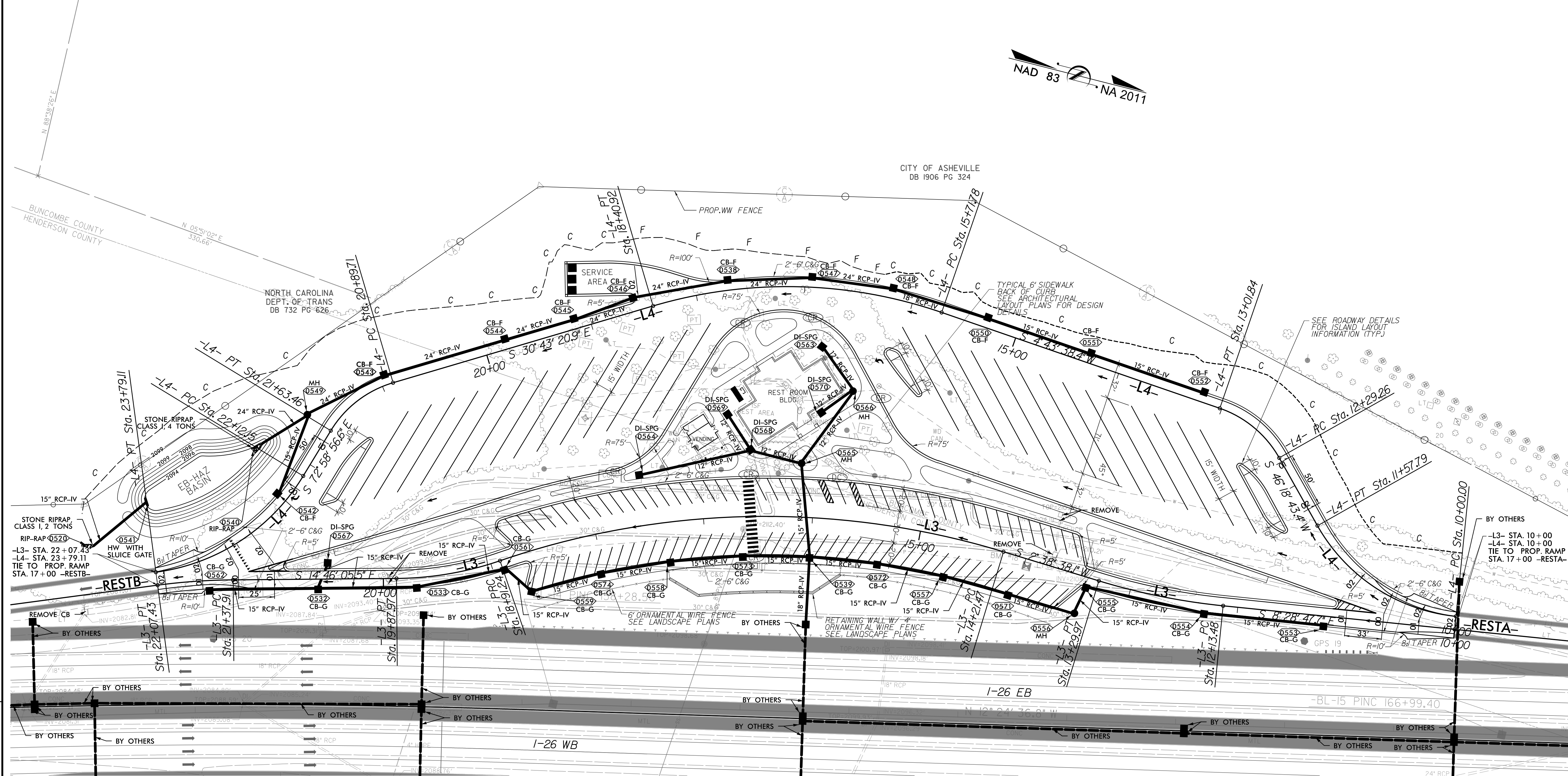
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Pro\Rest Area\I4400C.REST_RDY_PSH-4
HNTB

FOR -L3- AND -L4- PROFILE, SEE SHEET 7
FOR ROADWAY MAINLINE DESIGN DETAILS SEE I4400C ROADWAY DESIGN PLANS

-L3-				-L4-				
PI Sta 12+71.91	PI Sta 16+64.35	PI Sta 19+40.03	PI Sta 21+72.71	PI Sta 10+85.51	PI Sta 12+67.24	PI Sta 17+10.82	PI Sta 21+28.35	PI Sta 23+01.64
$\Delta = 1^{\circ} 07' 25.8''$ (RT)	$\Delta = 35^{\circ} 53' 14.0''$ (LT)	$\Delta = 18^{\circ} 28' 30.4''$ (RT)	$\Delta = 7^{\circ} 06' 23.1''$ (LT)	$\Delta = 54^{\circ} 47' 31.0''$ (RT)	$\Delta = 41^{\circ} 35' 04.9''$ (LT)	$\Delta = 35^{\circ} 26' 59.3''$ (LT)	$\Delta = 42^{\circ} 15' 35.8''$ (LT)	$\Delta = 51^{\circ} 06' 28.0''$ (RT)
D = 9' 32' 57.5"	D = 7' 38' 22.0"	D = 19' 05' 54.9"	D = 10' 13' 21.8"	D = 34' 43' 29.0"	D = 57' 17' 44.8"	D = 13' 10' 17.2"	D = 57' 17' 44.8"	D = 30' 36' 42.4"
L = 116.49'	L = 469.76'	L = 96.74'	L = 69.52'	L = 157.79'	L = 72.58'	L = 269.14'	L = 73.76'	L = 166.95'
T = 58.43'	T = 242.87'	T = 48.79'	T = 34.80'	T = 85.51'	T = 37.97'	T = 139.03'	T = 38.65'	T = 89.49'
R = 600.00'	R = 750.00'	R = 300.00'	R = 560.47'	R = 165.00'	R = 100.00'	R = 435.00'	R = 100.00'	R = 187.17'

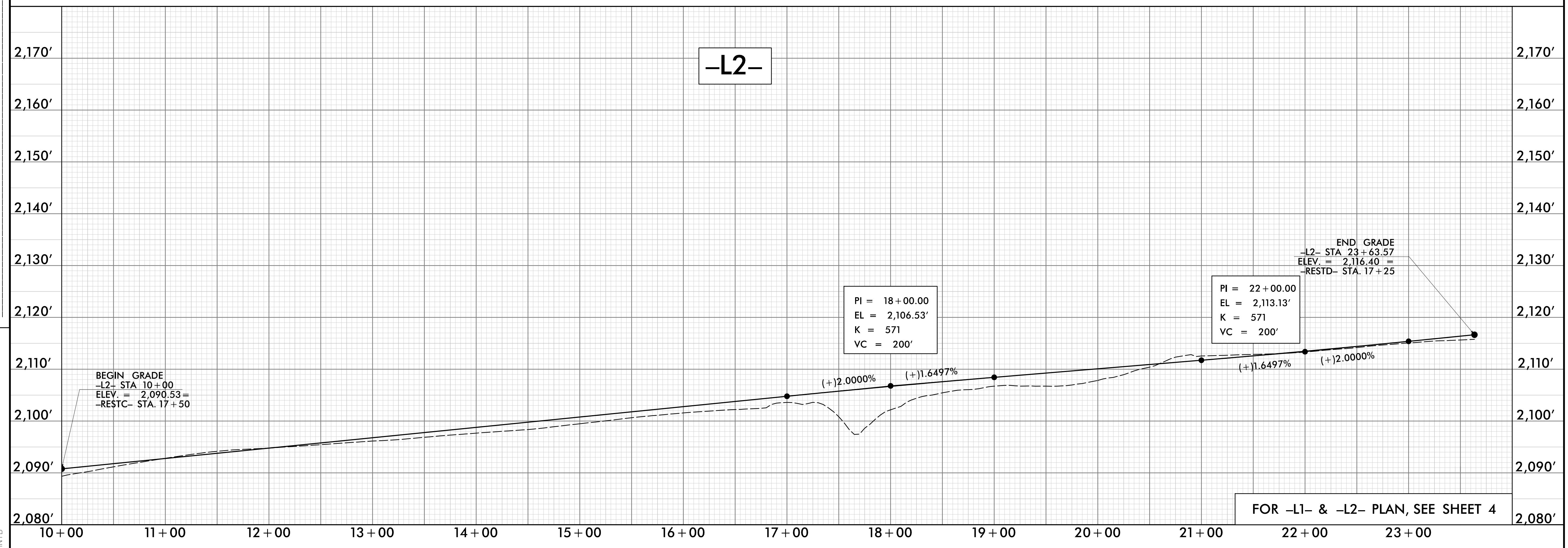
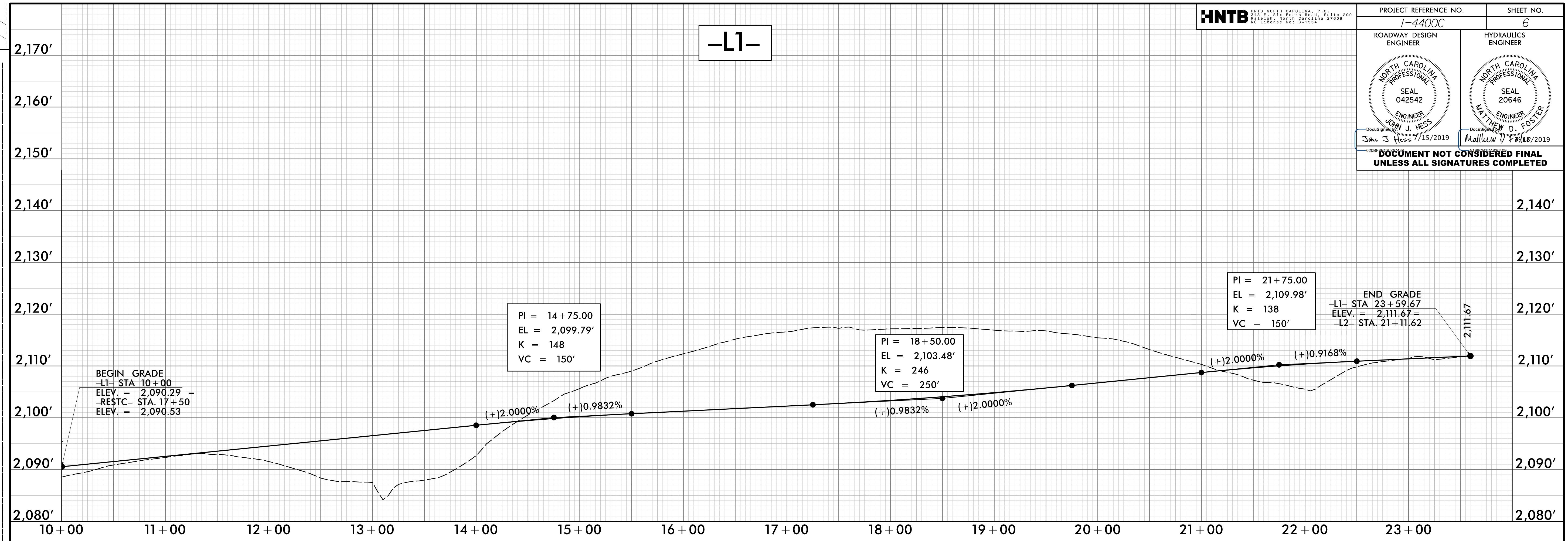


REVISIONS



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HNTB

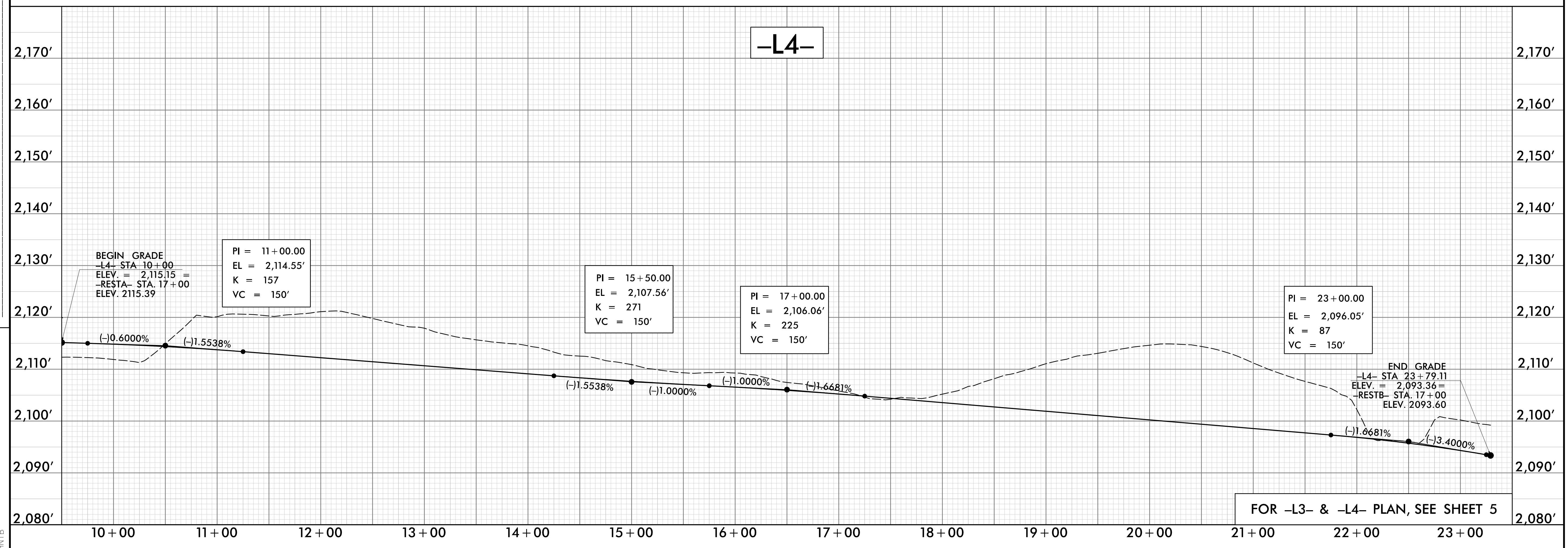
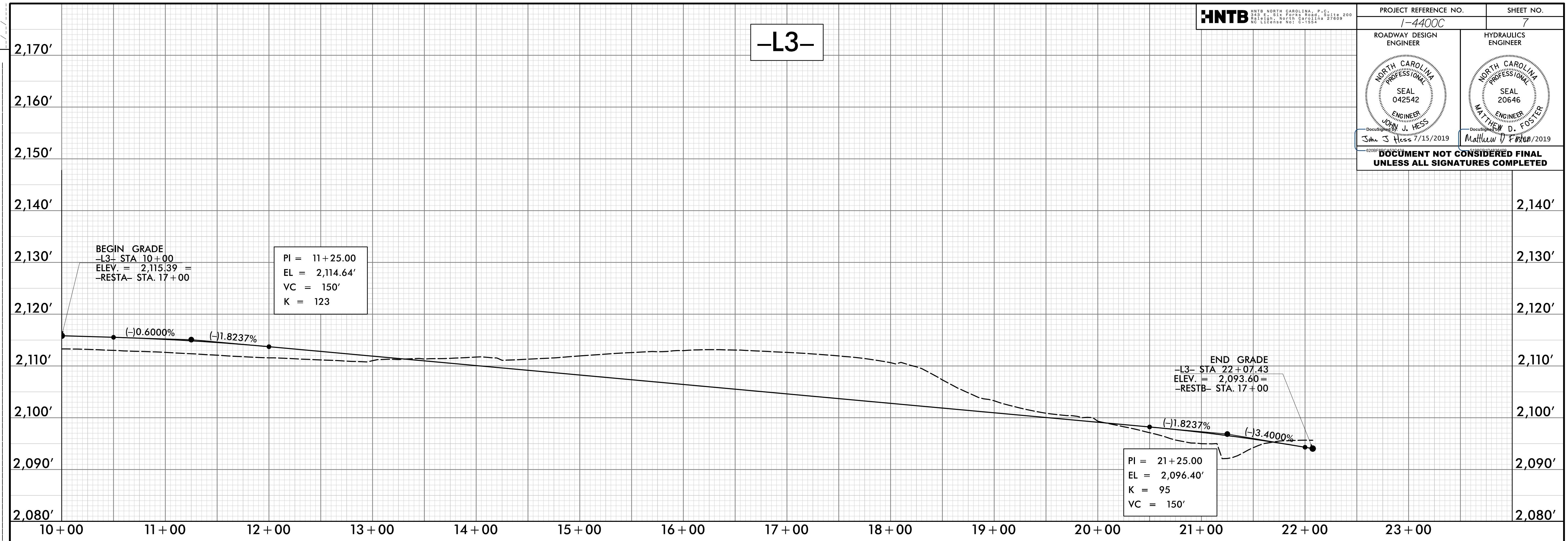
REVISIONS



FOR -L1- & -L2- PLAN, SEE SHEET 4


PROJECT REFERENCE NO. 1-4400C		SHEET NO. 7
ROADWAY DESIGN ENGINEER	HYDRAULICS ENGINEER	
John J. Hess 7/15/2019	Matthew D. Foster 7/15/2019	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

REVISIONS



FOR -L3- & -L4- PLAN, SEE SHEET 5

I:\JUL-2019\16445
Roadway\Pro\14400C_RDY.DSN REST.dgn
HNTB

TIP NO. I - 4400C	SHEET NO. PMP - 1
APPROVED: <u>Andrew D. Klinksiek</u> <small>E3078F84596E44B</small>	
DATE: 7/5/2019	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

**PAVEMENT MARKING PLAN
HENDERSON /BUNCOMBE COUNTIES**

T.I.P.: I-4400C

CONTRACT: C204265

INDEX

SHEET NO.	DESCRIPTION
PMP - 1	PAVEMENT MARKING PLAN TITLE SHEET
PMP - 1A	PAVEMENT MARKING SCHEDULE AND LEGEND
PMP - 2-3	PAVEMENT MARKING DETAILS

GENERAL NOTES

- THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLAN, OR DIRECTED BY THE ENGINEER.
- A) INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:
- | ROAD NAME | MARKING | MARKER |
|------------|-------------|---------------|
| -L1-, -L2- | VARIES | NON-CAST IRON |
| -L3-, -L4- | (SEE PLANS) | SNOWPLOWABLE |
- B) TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.
 - C) REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.
 - D) UNLESS OTHERWISE SPECIFIED, HEATED-IN-PLACE THERMOPLASTIC MAY BE USED IN LIEU OF EXTRUDED THERMOPLASTIC FOR STOP BARS, SYMBOLS, CHARACTERS AND DIAGONALS. IF HEATED-IN-PLACE IS USED, IT SHALL BE PAID FOR USING THE EXTRUDED THERMOPLASTIC PAY ITEM.
 - E) SEE ROADWAY PLANS FOR ALTERNATE CURB RAMP DESIGNS WHEN INDICATED ON PAVEMENT MARKING DETAIL SHEETS.

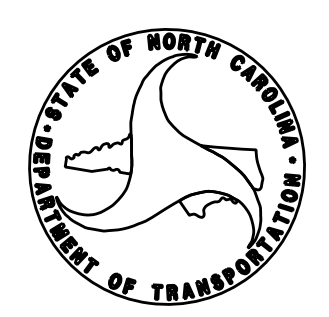
ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - PROJECT SERVICES UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
1205.01	PAVEMENT MARKINGS - LINE TYPES AND OFFSETS
1205.08	PAVEMENT MARKINGS - SYMBOLS AND WORD MESSAGES
1205.09	PAVEMENT MARKINGS - PAINTED ISLANDS
1250.01	RAISED PAVEMENT MARKERS - INSTALLATION SPACING
1253.01	RAISED PAVEMENT MARKERS - SNOWPLOWABLE

PLANS REVIEWED BY: N.C.D.O.T. SIGNING AND DELINEATION UNIT


<u>Anna G. Henderson, PE</u>	DIVISION 13 TRAFFIC ENGINEER
<u>Steven Buchanan</u>	DIVISION 14 TRAFFIC ENGINEER
<u>Scott M. Collier, PE</u>	REGIONAL TRAFFIC SAFETY ENGINEER
<u>Kelvin Jordan</u>	WESTERN SIGNING AND DELINEATION ENGINEER, DIVISIONS 7, 09-14



PLAN PREPARED BY: HNTB NORTH CAROLINA, P.C.

<u>A.D. Klinksiek, PE, PTOE</u>	PROJECT ENGINEER
<u>N.K. Vlanich, EI</u>	DESIGN ENGINEER

HNTB HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 NC License No: C-1554
 (919) 546-8997

TIP NO. I - 4400C	SHEET NO. PMP - 1A
APPROVED: <i>Andrew D. Klinck</i> <small>E3078FB498644B...</small>	
DATE: 7/5/2019	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

FINAL PAVEMENT MARKING SCHEDULE

MATERIAL	SYMBOL	DESCRIPTION
PAVEMENT MARKING		
THERMOPLASTIC (4")		
		AS SHOWN IN PLANS
PAINT (24")		
	P3	WHITE CROSSWALK LINE
POLYUREA (6", 20 MILS)		
	V6	WHITE EDGELINE
	V7	YELLOW EDGELINE
THERMOPLASTIC (8", 90 MILS)		
	TN	WHITE GORELINE
THERMOPLASTIC PAVEMENT MARKING SYMBOLS (90 MILS)		
	UA	LEFT TURN ARROW
	UB	RIGHT TURN ARROW
	UC	STRAIGHT ARROW
	UH	HANDICAP PARKING
	UN	YEILD LINE TRIANGLE
NON-CAST IRON SNOWPLOWABLE PAVEMENT MARKERS		
	MF	CRYSTAL & RED

LEGEND

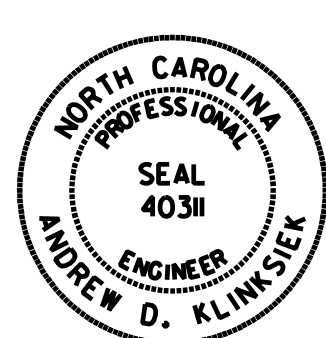
- GENERAL**
- DIRECTION OF TRAFFIC FLOW
 - NORTH ARROW
 - PROPOSED PVMT. EXIST. PVMT.

- PAVEMENT MARKINGS**
- PAVEMENT MARKING SYMBOLS
 - HANDICAP SYMBOL
 - YEILD SYMBOL

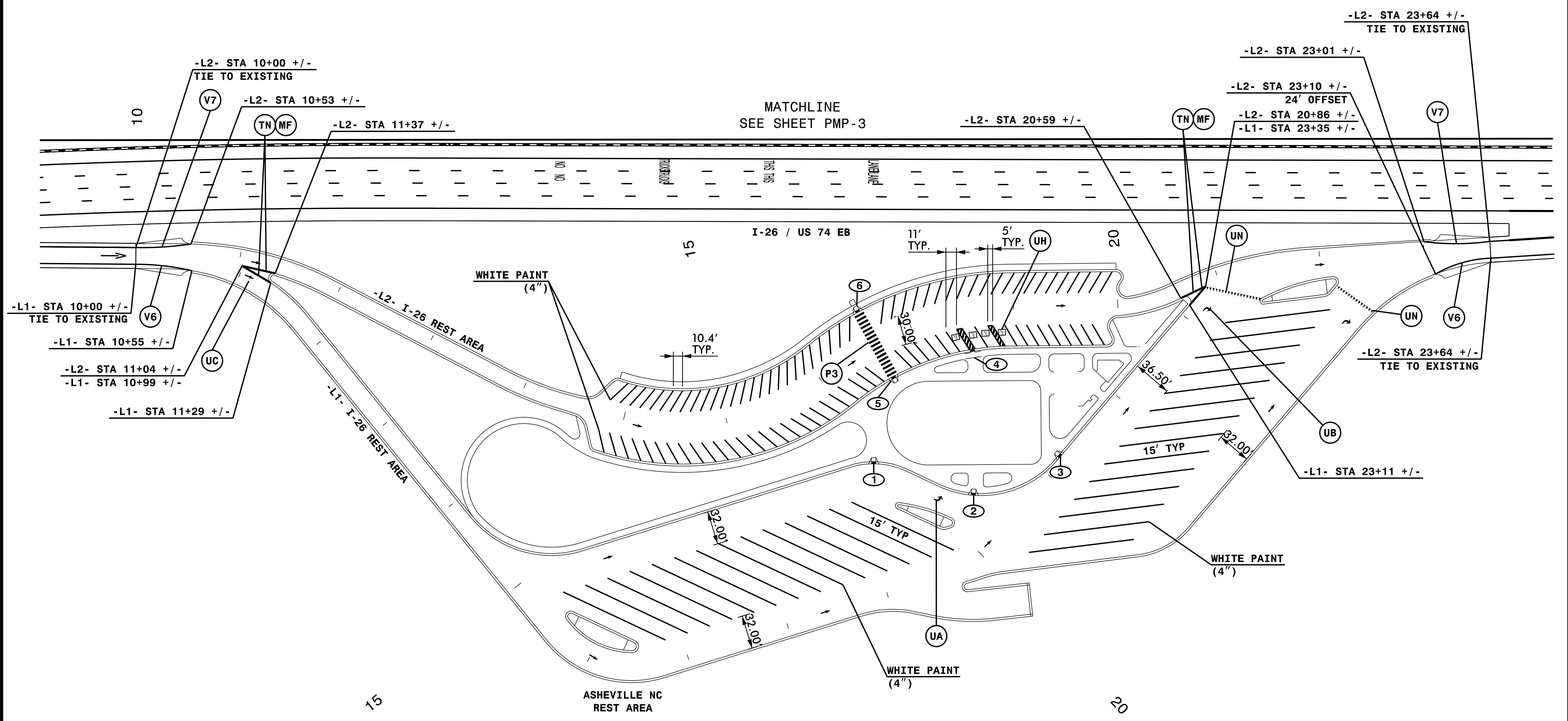
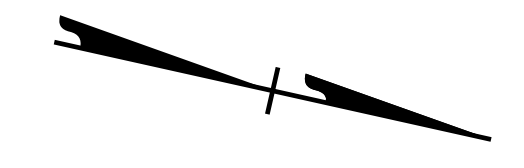
PAVEMENT MARKING SYMBOLS

	UA
	UB
	UC
	UH
	UN

7/5/2019
I:\4400C_Rest_PMP_01-01A.dgn
HNTB

TIP NO. I - 4400C	SHEET NO. PMP - 2
APPROVED: <i>Andrew D. Klimbick</i> E3078FB4596E44B	
DATE: 7/3/2019	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

- ① -L1- STA 19+25+/- (126.0' LT) (STANDARD)
- ② -L1- STA 20+34+/- (45.5' LT) (STANDARD)
- ③ -L1- STA 21+21+/- (7.5' LT) (STANDARD)
- ④ -L2- STA 18+54+/- (37.0' RT) (TYPE 3)
- ⑤ -L2- STA 16+43+/- (35.0' RT) (STANDARD)
- ⑥ -L2- STA 16+43+/- (35.0' LT) (STANDARD)

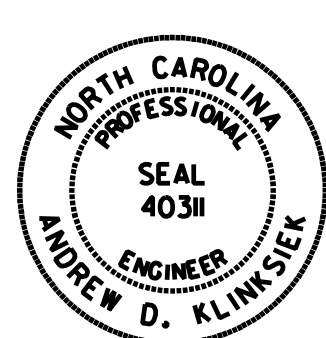


NOTE: INSTALL ARROW PAVEMENT MARKING SYMBOLS AS DIRECTED BY ENGINEER.

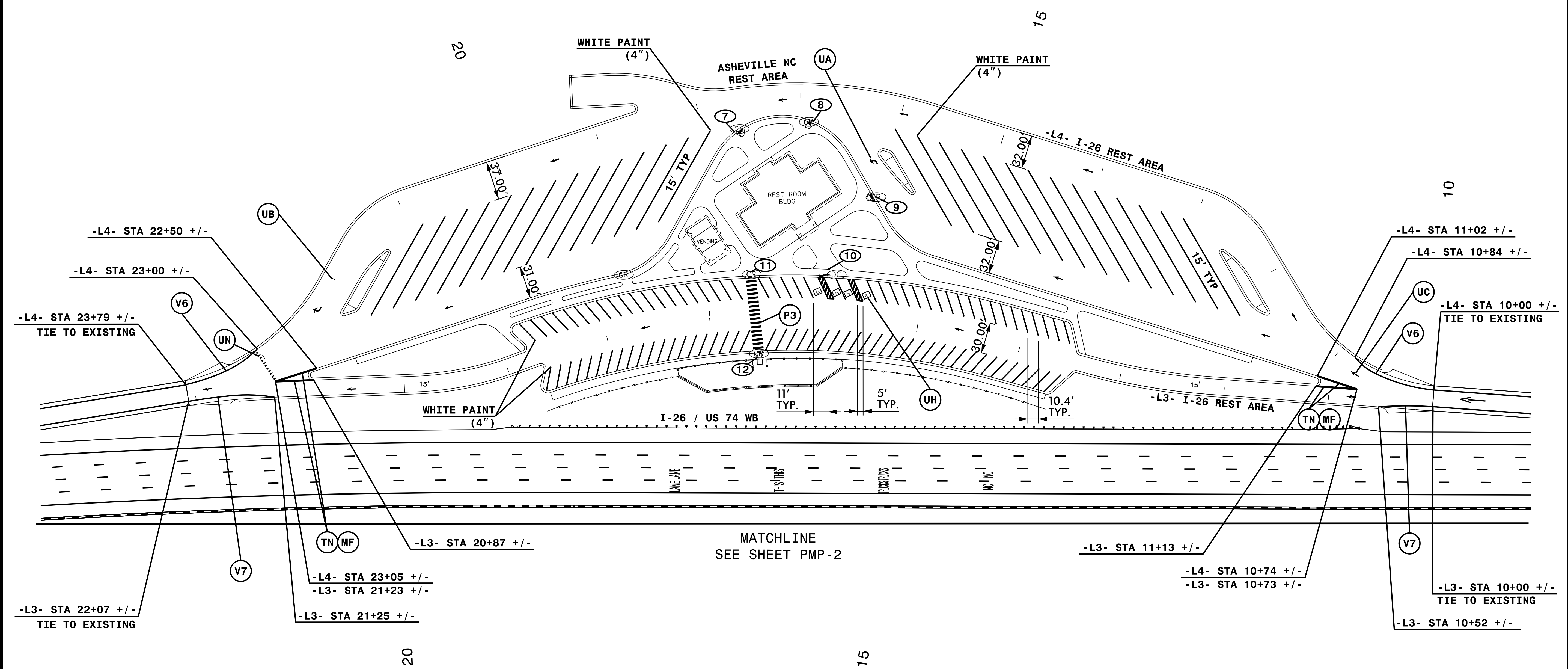
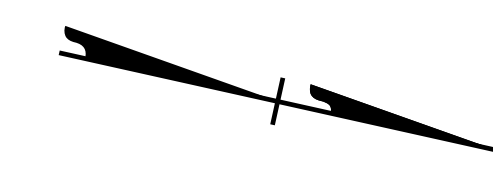
6/24/2019 6:24:00 AM CADD\14400C Rest_PMP-2.dgn HNTB

HNTB
 HNTB NORTH CAROLINA, P.C.
 343 E. SIX FORKS ROAD, SUITE 200
 RALEIGH, NORTH CAROLINA 27609
 NC LICENSE NO: C-1554
 (919) 546-6997

PAVEMENT MARKING DETAIL

TIP NO. I - 4400C	SHEET NO. PMP - 3
APPROVED: <i>Andrew D. Klimisek</i> E3078FB459E44B	
DATE: 7/3/2019	
SEAL 	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

- ⑦ -L4- STA 17+56 +/- (30.6' LT) (STANDARD)
- ⑧ -L4- STA 16+91 +/- (26.5' LT) (STANDARD)
- ⑨ -L4- STA 16+30 +/- (88.9' LT) (STANDARD)
- ⑩ -L3- STA 15+90 +/- (35.0' RT) (TYPE 3)
- ⑪ -L3- STA 16+59 +/- (35.0' RT) (STANDARD)
- ⑫ -L3- STA 16+54 +/- (35.0' LT) (STANDARD)



NOTE: INSTALL ARROW PAVEMENT MARKING SYMBOLS AS DIRECTED BY ENGINEER.

6/24/2019 6:24:00 AM C:\ADDN\4400C Rest_PMP_3.dgn HNTB

HNTB
 HNTB NORTH CAROLINA, P.C.
 343 E. SIX FORKS ROAD, SUITE 200
 RALEIGH, NORTH CAROLINA 27609
 NC LICENSE NO: C-1554
 (919) 546-6997

PAVEMENT MARKING DETAIL

T.I.P.: I-4400C


CONTRACT: C204265

**STATE OF NORTH CAROLINA
DEPARTMENT OF TRANSPORTATION**

SIGNING PLAN

BUNCOMBE / HENDERSON COUNTIES

**LOCATION: I-26 REST AREAS FROM 1.4 MI NORTH OF BUTLER BRIDGE
ROAD TO 0.25 MI SOUTH OF NC 280 (AIRPORT ROAD)**

TIP NO. I-4400C	SHEET NO. SIGN-1
<small>DocuSigned by:</small> APPROVED: <u>Andrew D. Klinksiek</u> <small>E3078FB459E44B...</small>	
DATE: 7/2/2019	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	

ROADWAY STANDARD DRAWING

THE FOLLOWING ROADWAY STANDARDS AS APPEAR IN "ROADWAY STANDARD DRAWINGS" - CONTRACT STANDARDS DEVELOPMENT UNIT - N.C. DEPARTMENT OF TRANSPORTATION - RALEIGH, N.C., DATED JANUARY 2018 ARE APPLICABLE TO THIS PROJECT AND BY REFERENCE HEREBY ARE CONSIDERED A PART OF THESE PLANS:

STD. NO.	TITLE
901.20	TYPE 'B' SIGNS
901.50	ARROWS AND SHIELDS
901.70	SIGN STRINGERS AND SUPPORT SPACING
901.80	SIGN MOUNTING DETAILS - FOR TYPE A AND TYPE B SIGNS
903.10	GROUND MOUNTED SIGN SUPPORTS
904.10	ORIENTATION OF GROUND MOUNTED SIGNS
904.50	MOUNTING OF TYPE 'D', 'E' AND 'F' SIGNS ON 'U' CHANNEL POSTS

GENERAL NOTES

- . SIGNS FURNISHED BY STATE.
- . ALL PROPOSED SIGNS SEE PAY ITEM NOTE 1 UNLESS OTHERWISE NOTED.
- . CONFIRM IN WRITING AT LEAST 4 MONTHS IN ADVANCE, THE ACTUAL DATE THE DEPARTMENT FURNISHED SIGNS WILL BE REQUIRED.
- . IF REMOVAL OR RELOCATION OF SIGNS ON PRIVATE STREET (NON-STATE MAINTAINED) IS REQUIRED DUE TO CONSTRUCTION, THE CONTRACTOR SHALL INFORM THE ENGINEER. THE WORK WILL BE COMPLETED BY OTHERS.
- . WHEN NOT STATIONED OR DIMENSIONED ON PLANS, ALL TYPE E SIGNS SHALL BE FIELD LOCATED BY THE ENGINEER.
- . ALL EXISTING SIGNS ON "U" CHANNEL POST WITHIN THE PROJECT LIMITS SHALL BE REMOVED AND DISPOSED OF UNLESS OTHERWISE NOTED ON PLANS.
- . THE BACKGROUND FOR TYPE E SIGNS SHALL BE GRADE C REFLECTIVE SHEETING UNLESS OTHERWISE.
- . DO NOT BEGIN FABRICATION FOR TYPE B SIGNS MOUNTED ON STEEL SUPPORTS UNTIL "S" DIMENSIONS HAVE BEEN FIELD VERIFIED.
- . SEE ROADWAY PLANS FOR GUARD/GUIDE RAIL DETAILS.

PAY ITEM NOTES

- 1 SIGN ERECTION, TYPE E
- 2 SIGN ERECTION, TYPE B (GROUND MOUNTED)
- 3 DISPOSAL OF SIGN SYSTEM, U-CHANNEL

PLANS SUBMITTED TO:

ANNA G. HENDERSON, PE	DIVISION 13 TRAFFIC ENGINEER
STEVE BUCHANAN	DIVISION 14 TRAFFIC ENGINEER
SCOTT M. COLLIER, PE	REGIONAL TRAFFIC SAFETY ENGINEER
KELVIN JORDAN	WESTERN SIGNING & DELINEATION ENGINEER, DIVISIONS 07, 09-14



PLANS PREPARED BY: HNTB NORTH CAROLINA, P.C.


<u>C.A. JOHNSON, III, PE</u>	SIGNING PROJECT MANAGER
<u>A.D. KLINKSIEK, PE, PTOE</u>	SIGNING PROJECT ENGINEER
<u>N.K. VLANICH, EI</u>	SIGNING DESIGN ENGINEER



HNTB NORTH CAROLINA, P.C.
343 E. Six Forks Road, Suite 200
Raleigh, North Carolina 27609
NC License No: C-1554
(919) 546-8997

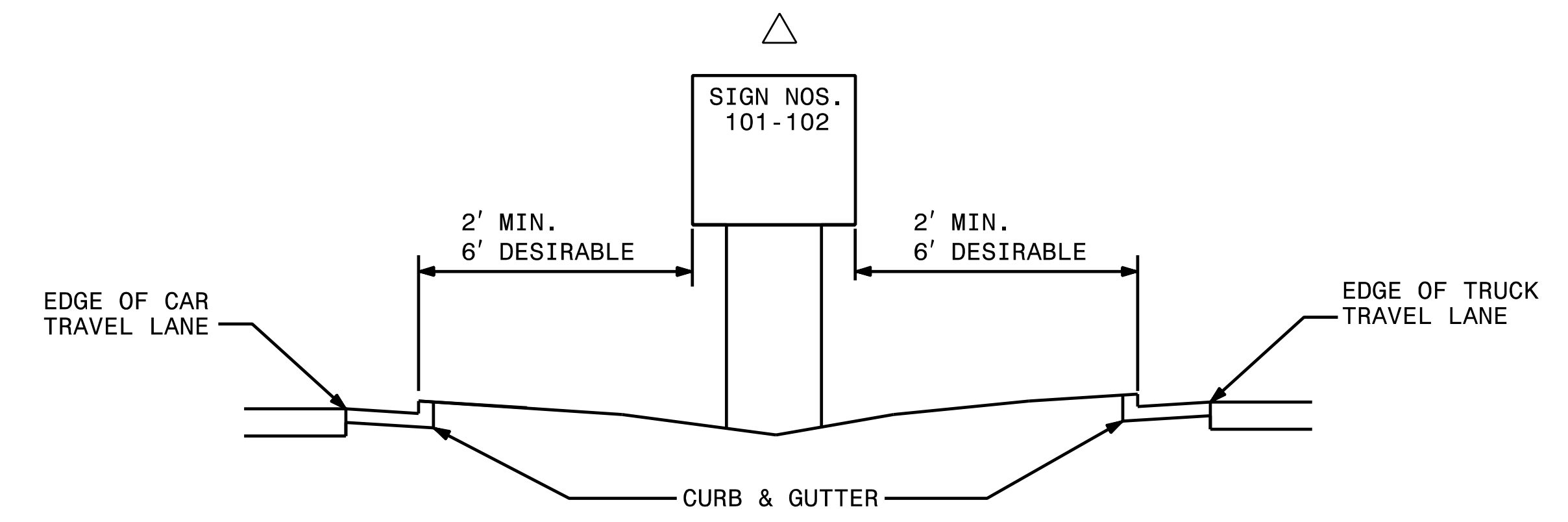
INDEX

SHEET NO.	DESCRIPTION
SIGN-1	TITLE SHEET
SIGN-2	SUPPORT INFORMATION
SIGN-3	TYPE B AND E SIGNS
SIGN-4-7	SIGNING PLAN SHEETS

TIP NO. I-4400C	SHEET NO. SIGN-2
APPROVED: <i>Andrew D. Klincksiek</i> <small>E3078F84598E44B</small>	
DATE: 7/2/2019	
	
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Version: 3.1 Posted: 6/2/2017

NUMBER	TYPE	SIGN			ROADWAY STATION	NUMBER OF SUPPORTS	BEAM SECTION	SUPPORT TYPE BA or S	OMNI COUPLER	ATTACHMENT METHOD	MOUNTING METHOD	HORIZONTAL CLEARANCE* (ft.)	SUPPORT SPACING	LENGTH (ft)			LEFT SUPPORT (ft)			CENTER SUPPORT (ft)			RIGHT SUPPORT (ft)			SUPPORT WEIGHTS		FOOTINGS				FIELD VERIFIED SEE NOTE 2 (mm/dd/yy)
		SIZE (in.)												SNS HT "H"	MTG HT "C"	EMBED-MENT	S	L	LENGTH	S	L	LENGTH	S	L	LENGTH	B/A (lbs.)	SIMPLE (lbs.)	DIAMETER (ft.)	DEPTH (ft.)	REINFORCED (c.y.)	PLAIN (c.y.)	
		w	x	h																												
101	B	108	x	42	-L2- STA. 11+40 +/-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	5.27	3.50	7.50	2.5	-0.50	10.50	13.00	0.00	0.00	0.00	-0.50	10.50	13.00	184.20	0	1.0	3	0.00	0.17	
102	B	108	x	42	-L4- STA. 11+25 +/-	2	S3x5.7	BA	N/A	N/A	N/A	Δ	5.27	3.50	7.50	2.5	-0.50	10.50	13.00	0.00	0.00	0.00	-0.50	10.50	13.00	184.20	0	1.0	3	0.00	0.17	
														TOTAL		TOTAL		TOTAL		TOTAL												
														368.40		0.00		0.00		0.35												
														USE:		369.00		0.00		0.00		1.00										



NOTES:

- DIMENSION "S" REPRESENTS AN INCREASE (+), OR A DECREASE (-) IN POLE LENGTH, RELATIVE TO THE ELEVATION OF THE EDGE OF TRAVEL LANE.
- FIELD VERIFICATIONS SHALL BE REQUIRED FOR ALL SUPPORTS, SEE (*) ARTICLE 903-3. FABRICATORS SHALL BE AISC CERTIFIED IN CATEGORY 1, SEE (*) ARTICLE 1072-1. (*) = N.C.D.O.T. STANDARD SPECIFICATIONS FOR ROADS AND STRUCTURES
- PLAN LOCATIONS FOR EXISTING UTILITIES ARE BASED ON THE BEST AVAILABLE INFORMATION AND, THEREFORE MAY NOT BE PRECISELY ACCURATE. THEREFORE, IT IS INCUMBENT UPON THE CONTRACTOR TO DETERMINE THE EXACT LOCATION OF UTILITIES BEFORE BEGINNING WORK IN A LOCATION.

HNTB
 HNTB NORTH CAROLINA, P.C.
 343 E. Six Forks Road, Suite 200
 Raleigh, North Carolina 27609
 NC License No: C-1554
 (919) 546-8997

TYPE B GROUND MOUNTED SIGNS

SIGN NUMBER: 101,102 **BACKG COLOR:** Blue
TYPE: B **COPY COLOR:** White
QUANTITY: 2

SYMBOL	X	Y	WID	HT
Type D Arrow	37.6	30.4	6	9
Type D Arrow	95.5	10	6	9

SIGN WIDTH: 9'-0"
HEIGHT: 3'-6"
TOTAL AREA: 31.5 Sq.Ft.

BORDER TYPE: FLUSH
RECESS: 0"
WIDTH: 0.75"
RADII: 3"
MAT'L: 0.125" ALUMINUM

NO. Z BARS: 2
LENGTH: 100.0

DESIGN BY: NKV **CHECKED BY:** TRT/ADK **DATE:** November 2018
PROJECT ID: I-4400C **DIV:** 13/14

NOTES:

- Legend and border shall be direct applied Grade C reflective sheeting.
- Arrows shall be Grade C reflective sheeting on 0.032" aluminum and demountable.
- Background shall be Grade C reflective sheeting.

Letter Positions Table: Letter spacings are to start of next letter

Series/Size	Letter Spacing Values												Text Length								
D 2000	50.8	4.9	6	4.7	4.1	37.6									19.6						
D 2000	32.7	4.6	5.1	5.4	5.4	4.8	4.1	45.9							29.4						
D 2000	5.4	4.9	6	4.7	4.1	6	6.2	1.9	4.6	4.1	6	4.6	4.6	6	2.4	4.6	4.7	4.7	4.1	18.5	84.1

Spacing Factor is 1 unless specified otherwise

401 QUANTITY REQ'D 4

36" X 24" R5-1a

ONE "U" POST PER SIGN

405 QUANTITY REQ'D 2

12" X 6" R7-8P

MOUNT BELOW SIGN 404 IN 2 INSTALLATIONS

TIP NO. I-4400C	SHEET NO. SIGN-3
APPROVED: Andrew D. Klinckisch E-3078FB459E44B	
DATE: 7/2/2019	

SEAL

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402 QUANTITY REQ'D 8

36" X 36" R5-1

ONE "U" POST PER SIGN

406 QUANTITY REQ'D 5

36" X 36" X 36" R1-2

ONE "U" POST PER SIGN

409 QUANTITY REQ'D 2

24" X 9" M10-20

ONE "U" POST PER SIGN

403 QUANTITY REQ'D 4

18" X 24" R7-302a

ONE "U" POST PER SIGN

407 QUANTITY REQ'D 1

54" X 18" R6-1(L)

TWO "U" POSTS PER SIGN

410 QUANTITY REQ'D 55

12" X 18" R7-301

ONE "U" POST PER SIGN

404 QUANTITY REQ'D 8


12" X 26" R7-8E

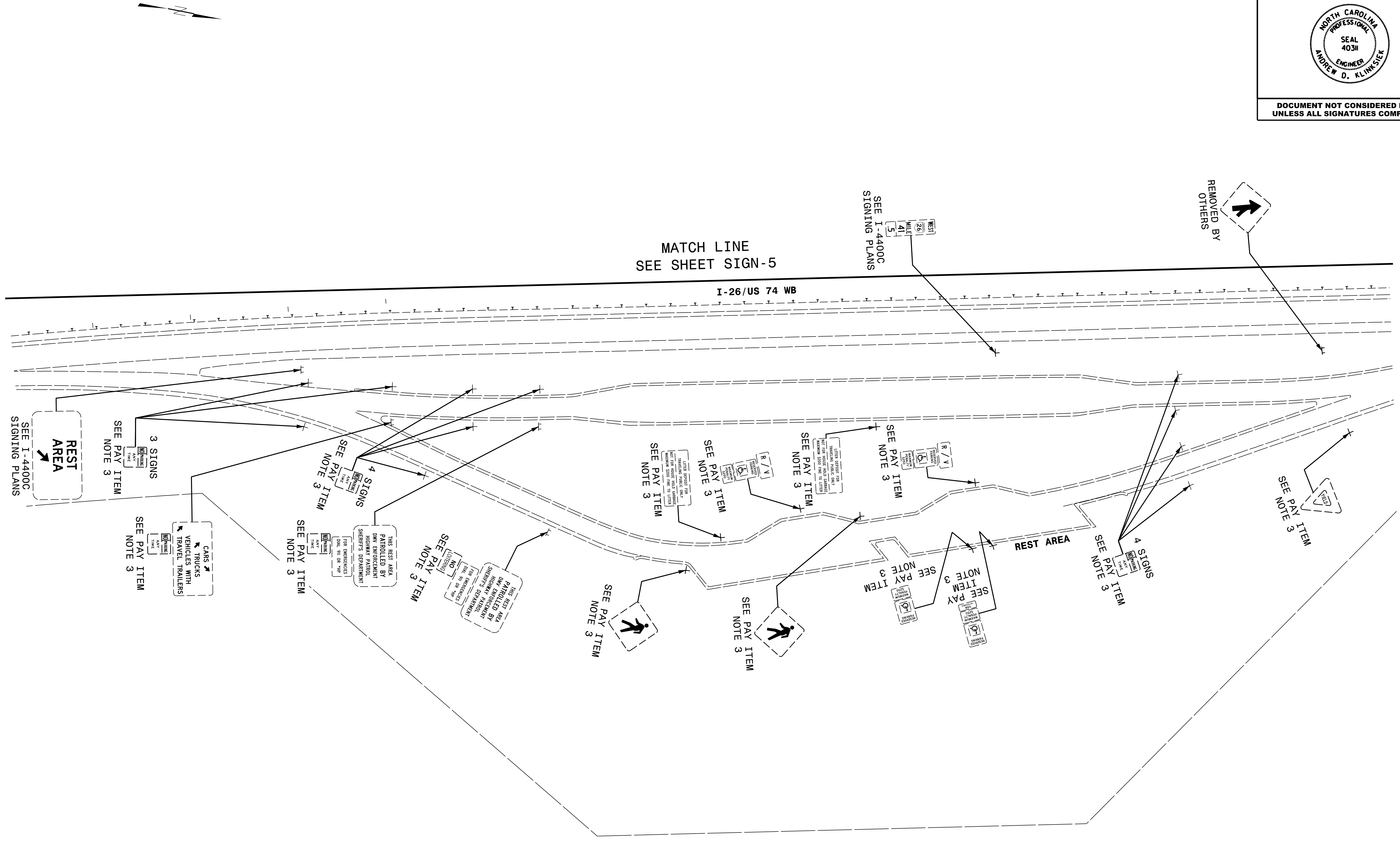
ONE "U" POST PER SIGN

408 QUANTITY REQ'D 3

54" X 18" R6-1(R)

TWO "U" POSTS PER SIGN

TIP NO. I-4400C	SHEET NO. SIGN-4
APPROVED: <u>Andrew D. Klinksieh</u> <small>DocuSigned by: E3D78F84596E44B</small>	
DATE: 7/2/2019	
SEAL	
	
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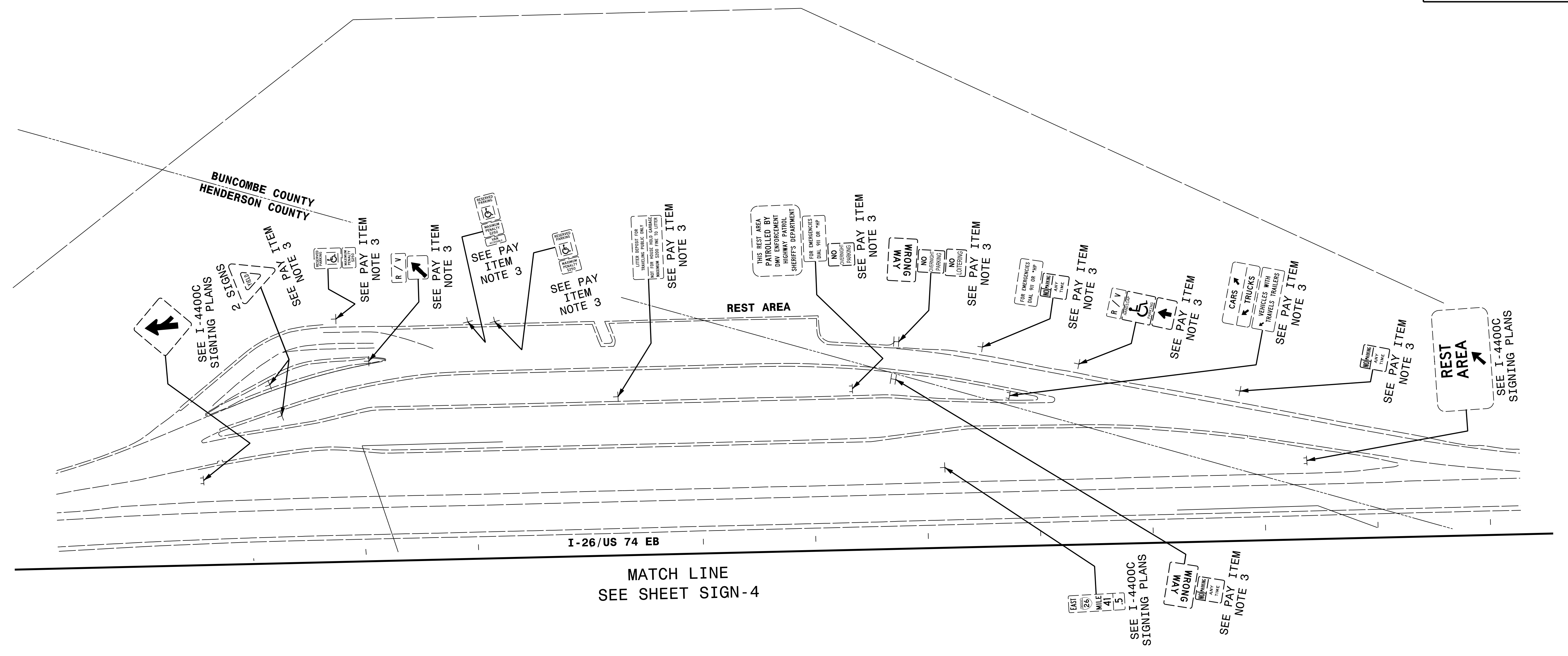



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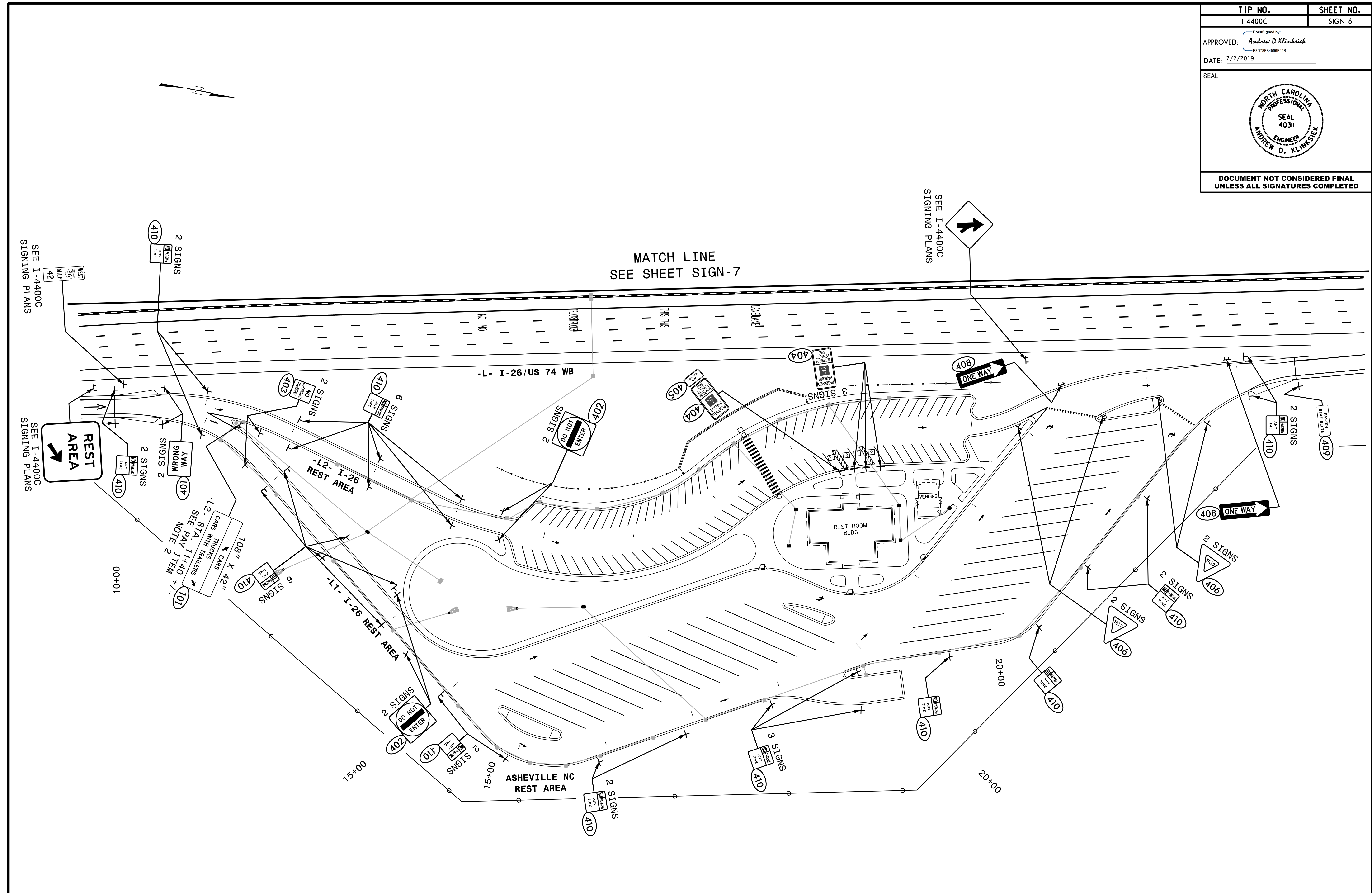
**EXISTING SIGNING
I-26 / US 74 WB
REST AREA**



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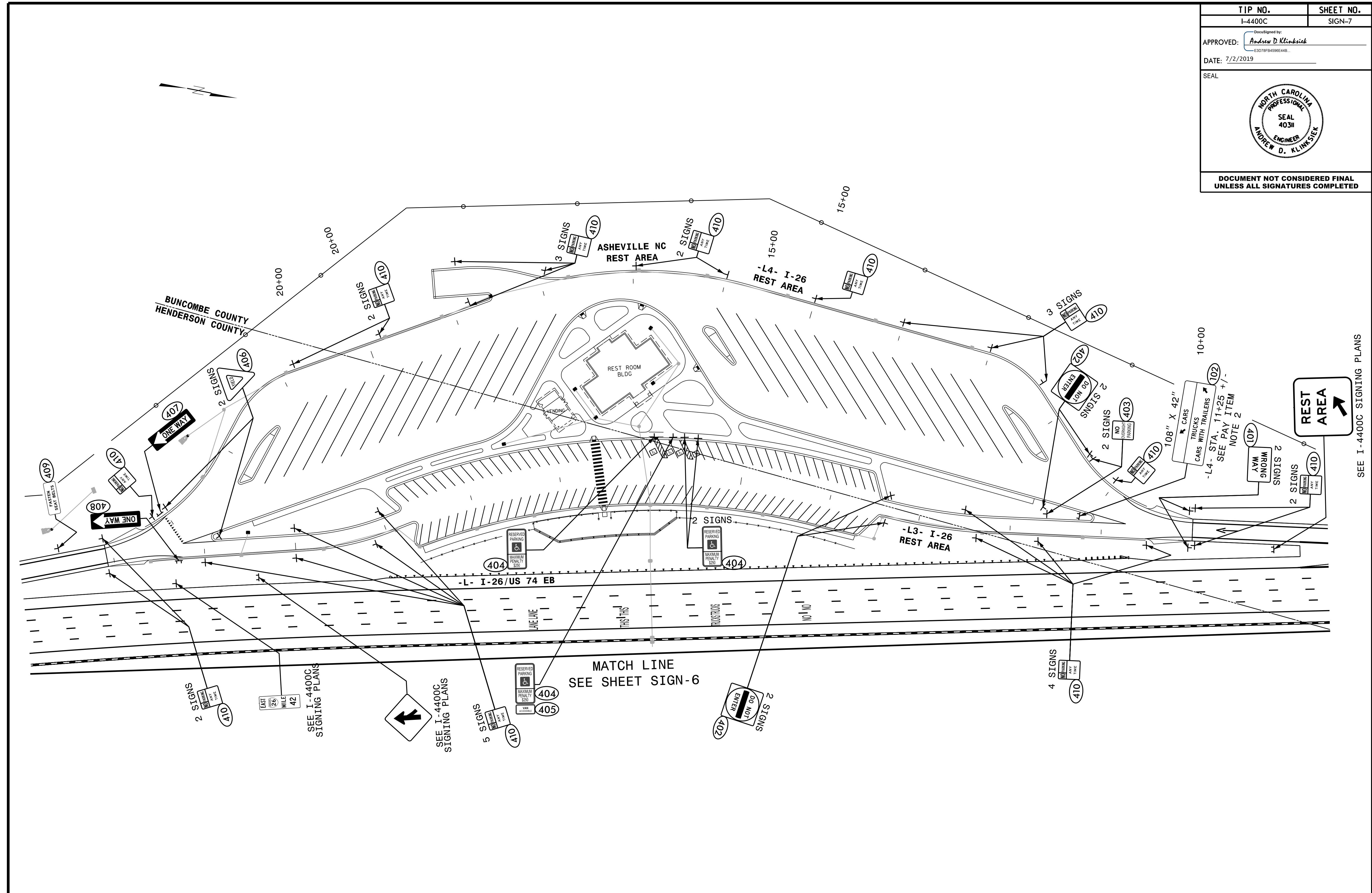
TIP NO. I-4400C	SHEET NO. SIGN-6
APPROVED: <i>Andrew D. Klincksiek</i> <small>E-3078F84596E44B</small>	
DATE: 7/2/2019	
SEAL	
	
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PROPOSED SIGNING
I-26 / US 74 WB
REST AREA

TIP NO. I-4400C	SHEET NO. SIGN-7
APPROVED: <u>Andrew D. Klimbsiek</u> <small>E3078FB459E44B</small>	
DATE: 7/2/2019	
SEAL	
	
DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED	



SEE I-4400C SIGNING PLANS

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 Raleigh, North Carolina 27609
 NC License No: C-1554
 (919) 546-8997

PROPOSED SIGNING
I-26 / US 74 EB
REST AREA

Contract : C 204 265 I-26 Buncombe & Henderson Counties Rest Areas

STATE NC	F.P.#	SHEET # 1 of 21
WBS # 34232.1.FS4	F.A. Project #	Description
		P.F.
		RW
34232.3.5	NHPP-026-1(200)13	CONST.

STATE OF NORTH CAROLINA DIVISION OF HIGHWAYS

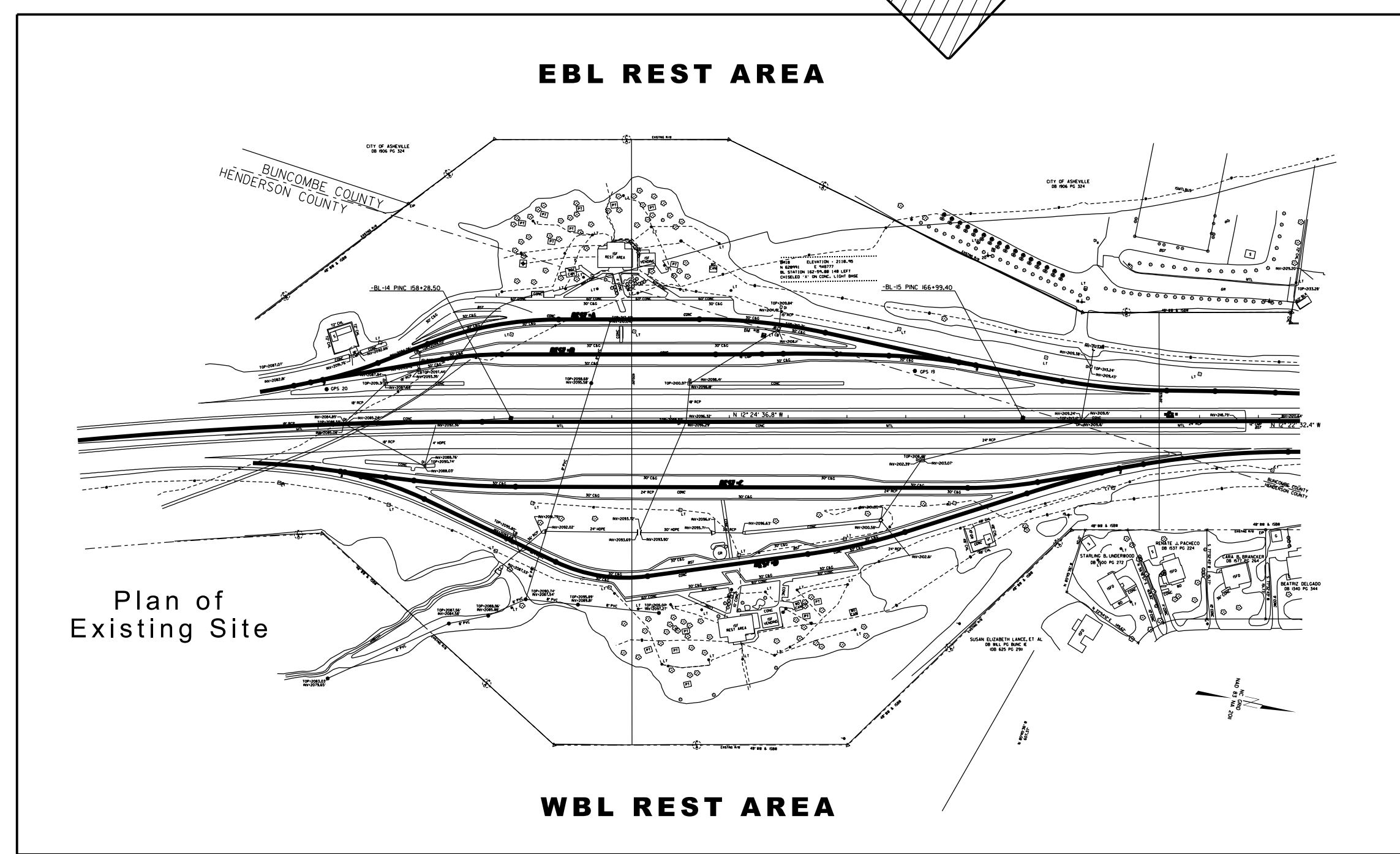
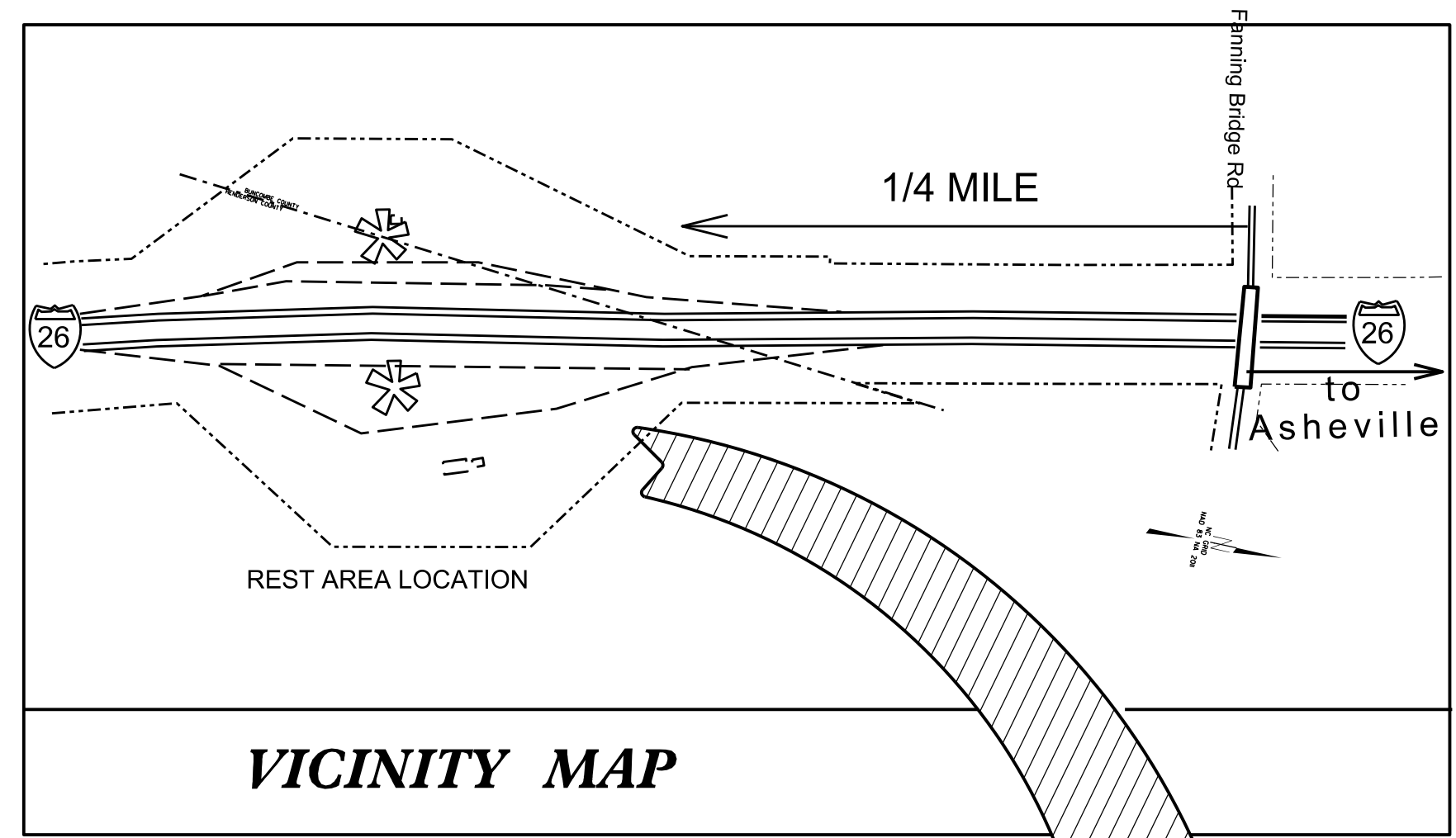
BUNCOMBE & HENDERSON COUNTY

INTERSTATE REST AREA

Location: I-26, Rest Areas 1/4 Mile South of Fanning Bridge Rd.
Type of Work: Site Development and Rest Area Bldg. Construction

INDEX OF SHEETS: SITE DEVELOPMENT & LANDSCAPE PLANS

- L-01 TITLE SHEET, PROJECT MAP & DESCRIPTION
- L-02 SITE PLAN
- L-03 SITE & BLDG DEMOLITION PLAN
- L-04 WBL SITE PLAN
- L-05 WBL LAYOUT PLAN
- L-06 WBL GRADING & DRAINAGE PLAN
- L-07 WBL LANDSCAPE PLAN
- L-08 WBL LANDSCAPE PLAN
- L-09 EBL SITE PLAN
- L-10 EBL LAYOUT PLAN
- L-11 EBL GRADING & DRAINAGE PLAN
- L-12 EBL HARDSCAPE PLAN
- L-13 EBL LANDSCAPE PLAN
- L-14 WBL & EBL SIGNING PLAN AND DETAILS
- LD-15 PAVEMENT DETAILS
- LD-16 FENCE & WALL DETAILS
- LD-17 CHAIN LINK, GATE, & GRAPHIC SIGN DETAILS
- LD-18 RAMP DETAILS
- LD-19 DRAINAGE DETAILS
- LD-20 PLANTING DETAILS
- LD-21 WATER HYDRANT, FLAGPOLE, & CONCRETE CUBE DETAILS



Site Pay Items					
QTY	UNIT	DESCRIPTION	STANDARD SPEC. SECT.	REMARKS	
1	198	CY	Mulch for Planting	Standard Spec. Sect. 1670-10	
2	200	MG	Water for Planting	Standard Spec. Sect. 1670-11	
3	4500	LF	Tree Protection Fence		
4	1,780	SY	Pre emergence Herbicidal Treatment	Standard Spec. Sect. 1670-7	
5	1,780	SY	Post emergence Herbicidal Treatment	Standard Spec. Sect. 1670-7	
6	5800	SY	Sodding	Standard Spec. Sect. 1664	
7	934	CY	Topsoil		
8	1	LS	Landscape Finish Grading		
9	85	EA	Boulders		
10	736	LF	6" Decorative Wire Fence		
11	352	LF	4" Decorative Wire Fence		
12	144	LF	Stone Wall and Ornamental Wire Fence Screen		
13	340	LF	Stone Retaining Wall with Ornamental Wire Fence		
14	400	LF	2" Stone Wall		
15	5,280	SF	Decorative Pavers		
16	899	LF	9" Concrete Border		
17	2	EA	Depressed Sidewalk Ramp	Standard Spec. Sect. 848	
18	8	EA	Curb Bumpers	Standard Spec. Sect. 848	
19	1	LS	Landscape Planting-WBL		
20	1	LS	Landscape Planting-EBL		
21	1	LS	Downspout Drainage System		
22	1	EA	Patio Catch Basin		
23	100	LF	6" PVC Drain		
24	1	LS	Site Signing		
25	2	EA	Graphic Fence Sign		
26	25	EA	Waste Container		
27	25	EA	Recycle Container		
28	2	EA	Micro Channel Drain		
29	2	EA	Yard Hydrant		
30	2	EA	40' Flagpole		
31	288	LF	8" Chain Link Fence with Slats		
32	2	EA	Bifold Dumpster Gate		
33	12	EA	Concrete Letter Block Seat		
34	2	EA	Dog Park Fire Hydrant		
35	15	CY	Granite Screenings		
36	13	CY	River Rock		
37	8	EA	Concrete Patio Table with Umbrella		
38	1,000	EA	Landscape Edging		
39	2	EA	Rest Area Buildings / Picnic Facilities Demolition		

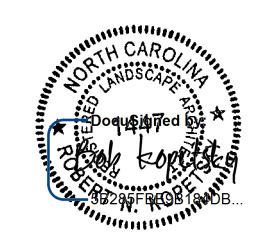
Building Pay Items					
QTY	UNIT	DESCRIPTION	STANDARD SPEC. SECT.	REMARKS	
2		EA	General Construction Rest Area Building		
2		EA	General Construction Vending Building		
2		EA	Plumbing Installation Rest Area Building		
2		EA	Plumbing Installation Vending Building		
2		EA	Mechanical Installation Rest Area Building		
2		EA	Mechanical Installation Vending Building		
2		EA	Electrical Installation Rest Area Building		
2		EA	Electrical Installation Vending Building		

Landscape Plant List					
QTY.	KEY	UNIT	BOTANICAL NAME	COMMON NAME	FURNISH
Trees					
1	AB	EA	<i>Acer palmatum atropurpureum</i> 'Bloodgood'	Bloodgood Japanese Maple	8-10', 1 1/2" cal., B&B
1	BP	EA	<i>Betula platyphylla</i>	Japanese White Birch	8-10', 1 1/2" cal., B&B
12	CD	EA	<i>Cedrus deodara</i>	Deodar Cedar	8-10', 1 1/2" cal., B&B
2	CF	EA	<i>Cornus florida</i> 'White Cloud'	White Cloud Dogwood	6-8', B&B
7	CJ	EA	<i>Cryptomeria japonica</i> 'Black Dragon'	Black Dragon Cryptomeria	4-5' B&B
8	LI	EA	<i>Lagerstroemia indica</i> 'Muskogee'	Muskogee Crape Myrtle	8-10', 3-4 stem, B&B
34	QS	EA	<i>Quercus shumardii</i>	Shumard Oak	10-12', 1 3/4" cal., B&B
2	UP	EA	<i>Ulmus parvifolia</i> 'Emer II'	Alleé Chinese Elm	10-12', 1 3/4" cal., B&B
67			total trees		
Shrubs					
41	CH	EA	<i>Cephalotaxus harringtonia</i> 'prostrata'	Spreading Plum Yew	#3 Cont. 15-18"
21	BB	EA	<i>Euonymus alatus</i> 'Little Moses'	Dwarf Burning Bush	#3 Cont. 15-18"
7	HP	EA	<i>Hydrangea paniculata</i> 'Limelight'	Limelight Hydrangea	#3 Cont. 15-18"
58	IC	EA	<i>Ilex cornuta</i> 'Carissa'	Carissa Holly	#3 Cont. 15-18"
46	JP	EA	<i>Juniperus procumbens</i> 'Nana'	Japanese Garden Juniper	#1 Cont. 9-12"
14	LMJ	EA	<i>Leucothoe axillaris</i> 'Marge Jenkins'	Marge Jenkins Leucothoe	#3 Cont. 15-18"
32	LRR	EA	<i>Leucothoe keiskei</i> 'Royal Ruby'	Royal Ruby Leucothoe	#3 Cont. 15-18"
11	LC	EA	<i>Loropetalum chinense</i> 'Garnet Fire'	Garnet Fire Loropetalum	#3 Cont. 18-24"
46	RA	EA	<i>Rhododendron</i> 'Autumn Sunset'	Autumn Sunset Encore Azalea	#3 Cont. 15-18"
38	SA	EA	<i>Spiraea japonica</i> 'Anthony Waterer'	Anthony Waterer Spiraea	#3 Cont. 12-15"
314			total shrubs		
Grasses, Groundcovers, & Perennials					
26	DC	EA	<i>Delosperma cooperi</i>	Hardy Ice Plant	#1 Cont. min. 6", well rooted
22	EP	EA	<i>Echinacea purpurea</i> 'Kim's Knee High'	Kim's Knee High Purple Coneflower	#1 Cont. min. 6", well rooted
111	HH	EA	<i>Hemerocallis</i> 'Happy Returns'	Happy Returns Daylily	#1 Cont. min. 9", well rooted
3	HE	EA	<i>Hosta sieboldiana</i> 'Elegans'	Elegans Hosta	#1 Cont. min. 9", well rooted
5	HS	EA	<i>Hosta x 'Sum and Substance'</i>	Sum and Substance Hosta	#1 Cont. min. 9", well rooted
203	LRP	EA	<i>Liriope muscari</i> 'Royal Purple'	Royal Purple Liriope	#1 Cont. 4-6"
117	PP	EA	<i>Pennisetum alopecuroides</i> 'Piglet'	Piglet Fountain Grass	#1 Cont. 9-12" top growth
28	RG	EA	<i>Rudbeckia fulgida</i> 'Goldsturm'	Goldsturm Black-eyed Susan	#1 Cont. min. 6", well rooted
515			total Grasses, Groundcovers, & Perennials		

Rest Area & Site Development

Roadside Environmental Unit

Aesthetic Engineering Section
1557 Mail Service Center
Raleigh, North Carolina 27699-1557
Office (919) 707-2920 Fax (919) 715-2554



Architectural/Engineering

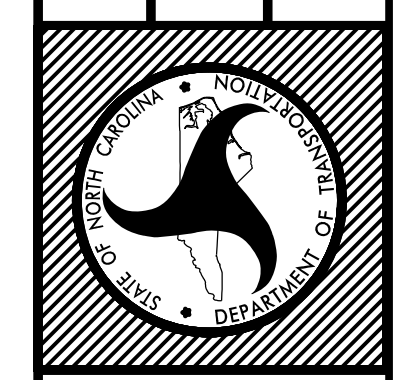
Summit Design & Engineering Services

1110 Navaho Drive, Suite 600
Raleigh, North Carolina 27609
Office (919) 322-0115 Fax (919) 322-0116

Mechanical/Elec/Plumb.:

Apogee
1151 Kildaire Farms Rd., Suite 120
Cary NC 27511
ph: 919-858-7420 fax: 919-234-6268

North Carolina Department of Transportation
Division of Highways
1 South Wilmington Street Raleigh, North Carolina

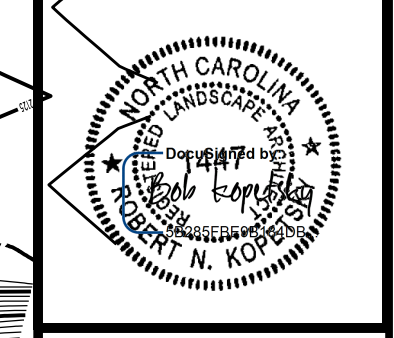


I-26
Buncombe & Henderson
Counties Rest Areas

Plans Drawn By:	KOPETSKY
Scale:	n/a
Date:	1 / 22 / 19
Letting Date:	
2018 Standard Specifications	
Sheet Description:	TITLE SHEET
Sheet #:	L-1

STATE	NC	FILE #	I-400C	SHEET #	2	of	21
WBS #	34232.1.FS4	F.A. Project #		Description		P.E.	
				RAW			
	34232.3.5	NWPP-026-120013		CONST.			

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 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina

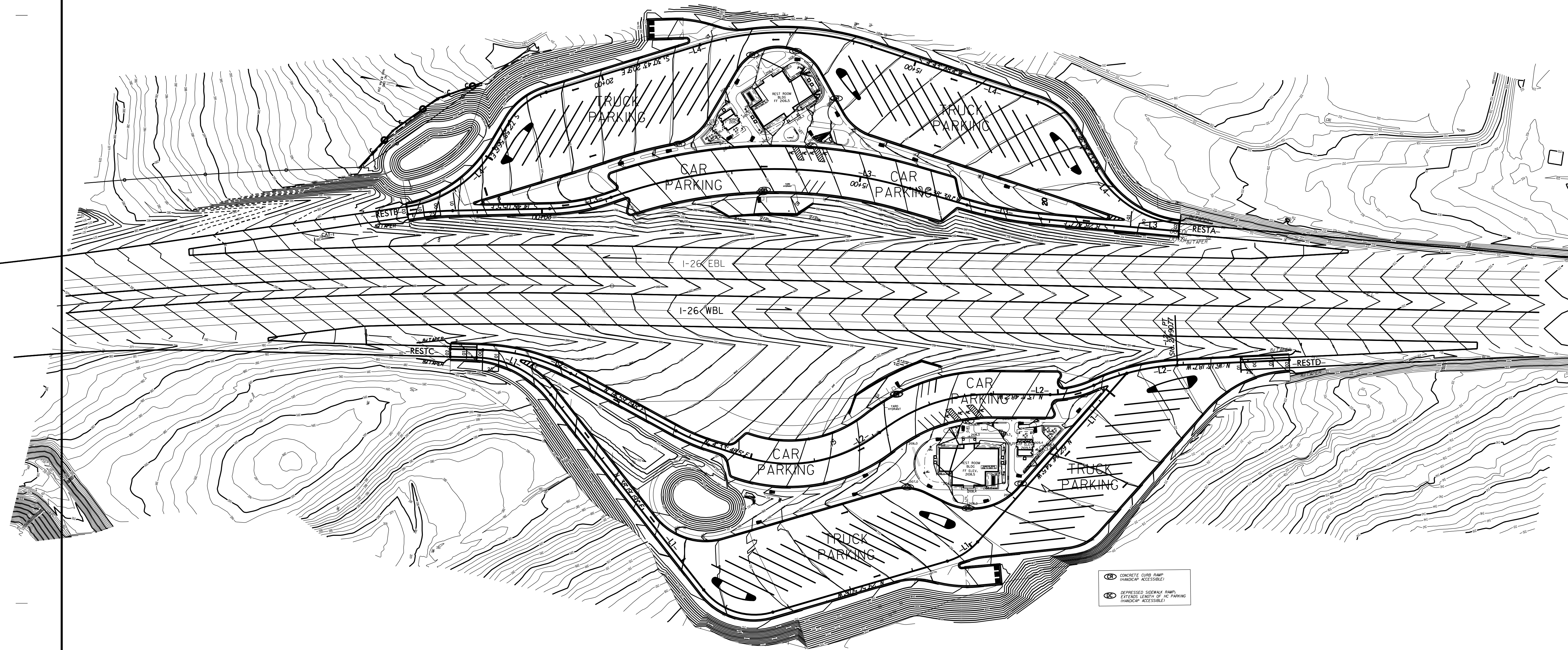


Buncombe-Henderson Co.
 Rest Area Development

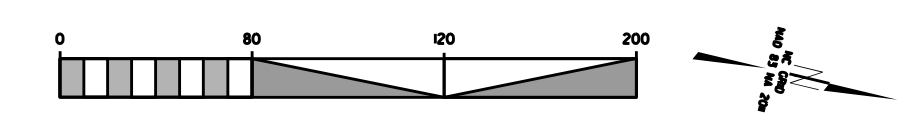
Plans Drawn By:	KOPETSKY
Scale	AS SHOWN
Date	2 / 22 / 19
Letting Date	
2018 Standard Specifications	
Sheet Description	SITE PLAN
Sheet #	12

EBL REST AREA

WBL REST AREA



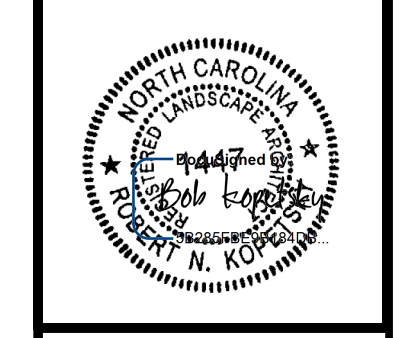
- (C) CONCRETE CURB RAMP
HANDICAP ACCESSIBLE
- (D) DEPRESSED SIDEWALK RAMP
EXTENDS LENGTH OF HC PARKING
HANDICAP ACCESSIBLE



Buncombe-Henderson Co.
Rest Area Development

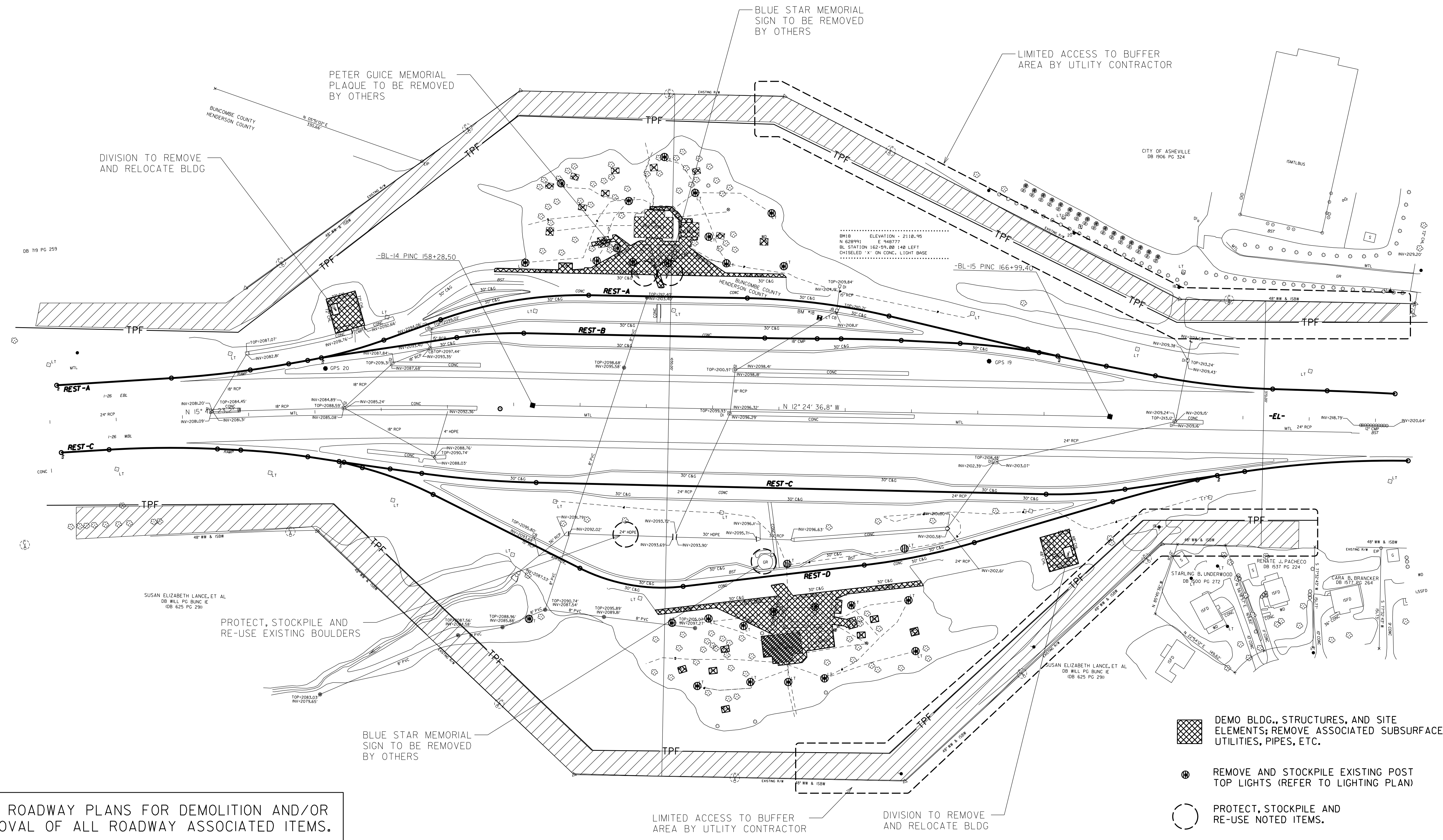
STATE	NC	FILE #	L-1400C	SHEET #	2 of 21
WSS #	34232.LFS4	F.A. Project #		Description	P.E.
					RAW
	34232.3.5	NWPP-026-W20013			CONST.

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 Division of Highways
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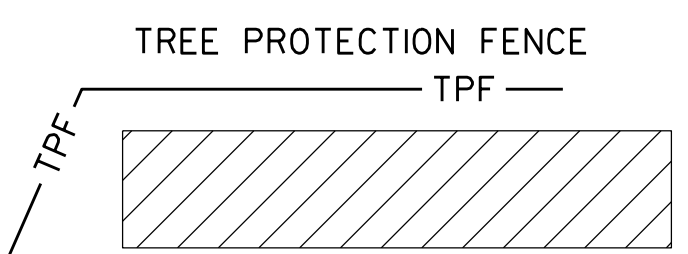


Buncombe-Henderson Co.
 Rest Area Development

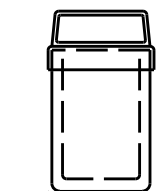
Plan:	
Plans Drawn By:	KOPETSKY
Scale:	AS SHOWN
Date:	2 / 22 / 19
Letting Date:	
2018 Standard Specifications	
Sheet Description:	SITE DEMOLITION PLAN
Sheet #:	L3



SEE ROADWAY PLANS FOR DEMOLITION AND/OR REMOVAL OF ALL ROADWAY ASSOCIATED ITEMS.

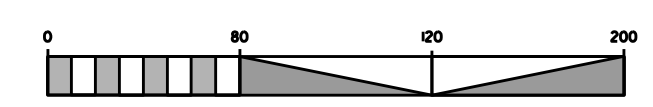


PRESERVE 40' VEGETATIVE BUFFER AROUND EXTERIOR OF SITE (INSTALL TREE PROTECTION FENCE PER SPECIFICATIONS); COORDINATE WITH NCDOT ENGINEER. FENCE TO BE ERRECTED BEFORE ANY CLEARING OR GRADING.



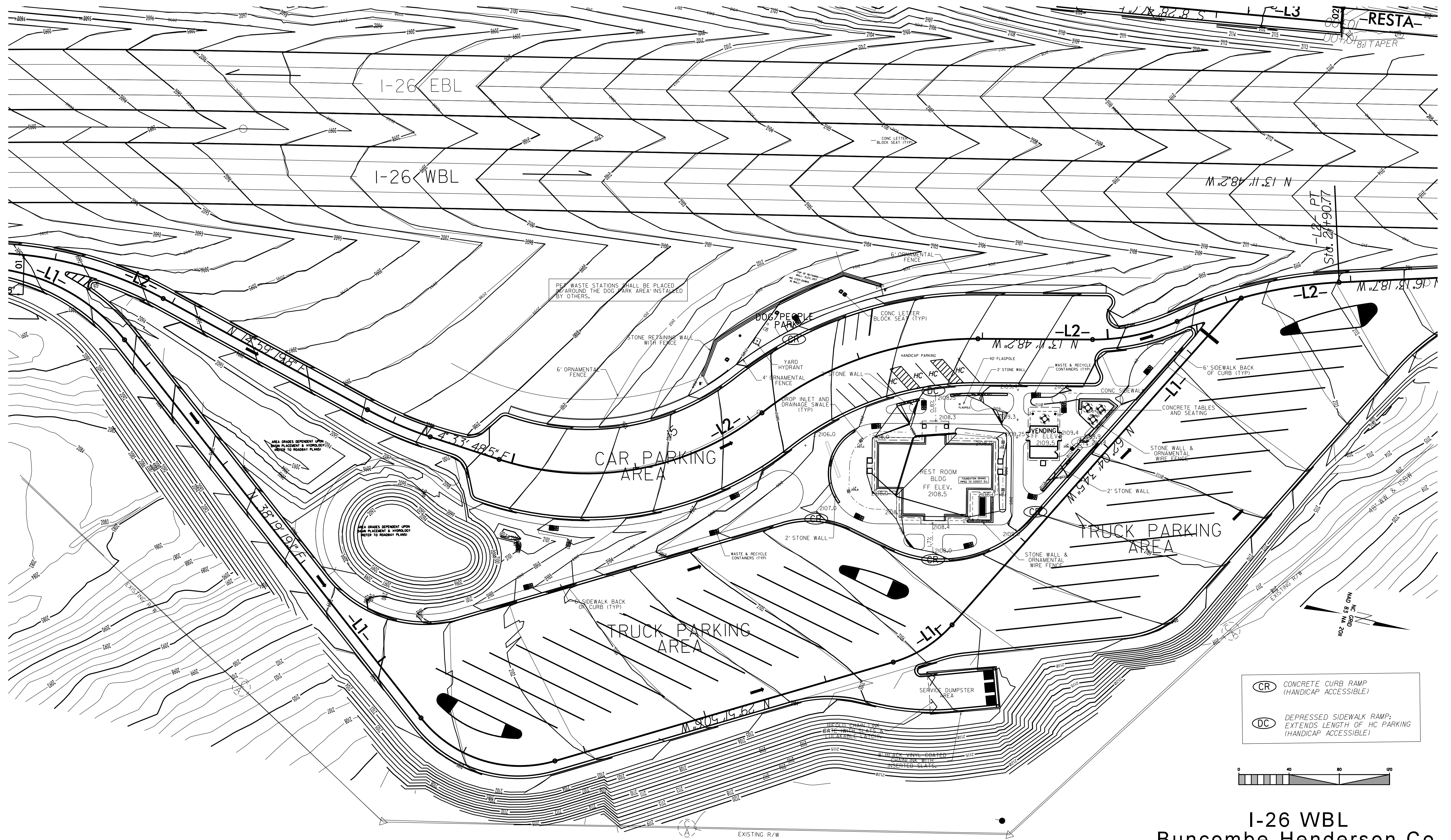
DIVISION TO REMOVE AND STOCKPILE ALL EXISTING WASTE AND RECYCLE CONTAINERS.

- DEMO BLDG., STRUCTURES, AND SITE ELEMENTS; REMOVE ASSOCIATED SUBSURFACE UTILITIES, PIPES, ETC.
- REMOVE AND STOCKPILE EXISTING POST TOP LIGHTS (REFER TO LIGHTING PLAN)
- PROTECT, STOCKPILE AND RE-USE NOTED ITEMS.



Buncombe-Henderson Co.
Rest Area Development

STATE	NC	F.P.	L-400	SHEET #	4	of	
WSS #	34232.LFS4	F.A. Project #		Description			P.E.
							RAW
	34232.3.5	NHPP-026-1120013					CONST.

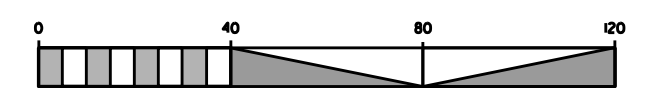


PER WASTE STATIONS SHALL BE PLACED AROUND THE DOG PARK AREA INSTALLED BY OTHERS.

AREA GRADES DEPEND UPON BENCH PLACEMENT & HYDROLOGY REFER TO ROADWAY PLANS

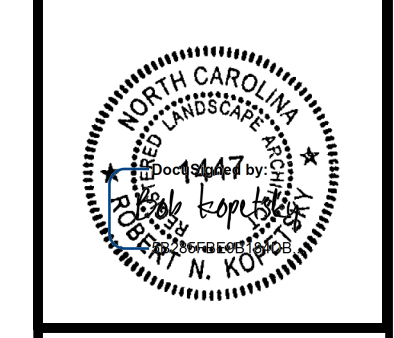
AREA GRADES DEPEND UPON BENCH PLACEMENT & HYDROLOGY REFER TO ROADWAY PLANS

- (CR) CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- (DC) DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)



I-26 WBL
Buncombe-Henderson Co.
Rest Area Development

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 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina

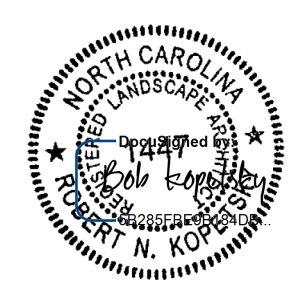


Buncombe-Henderson Co.
 Rest Area Development

Plan:	
Plans Drawn By:	KOPETSKY
Scale:	AS SHOWN
Date:	12 / 18 / 18
Letting Date:	
2018 Standard Specifications	
Sheet Description:	WBL SITE PLAN
Sheet #:	L4

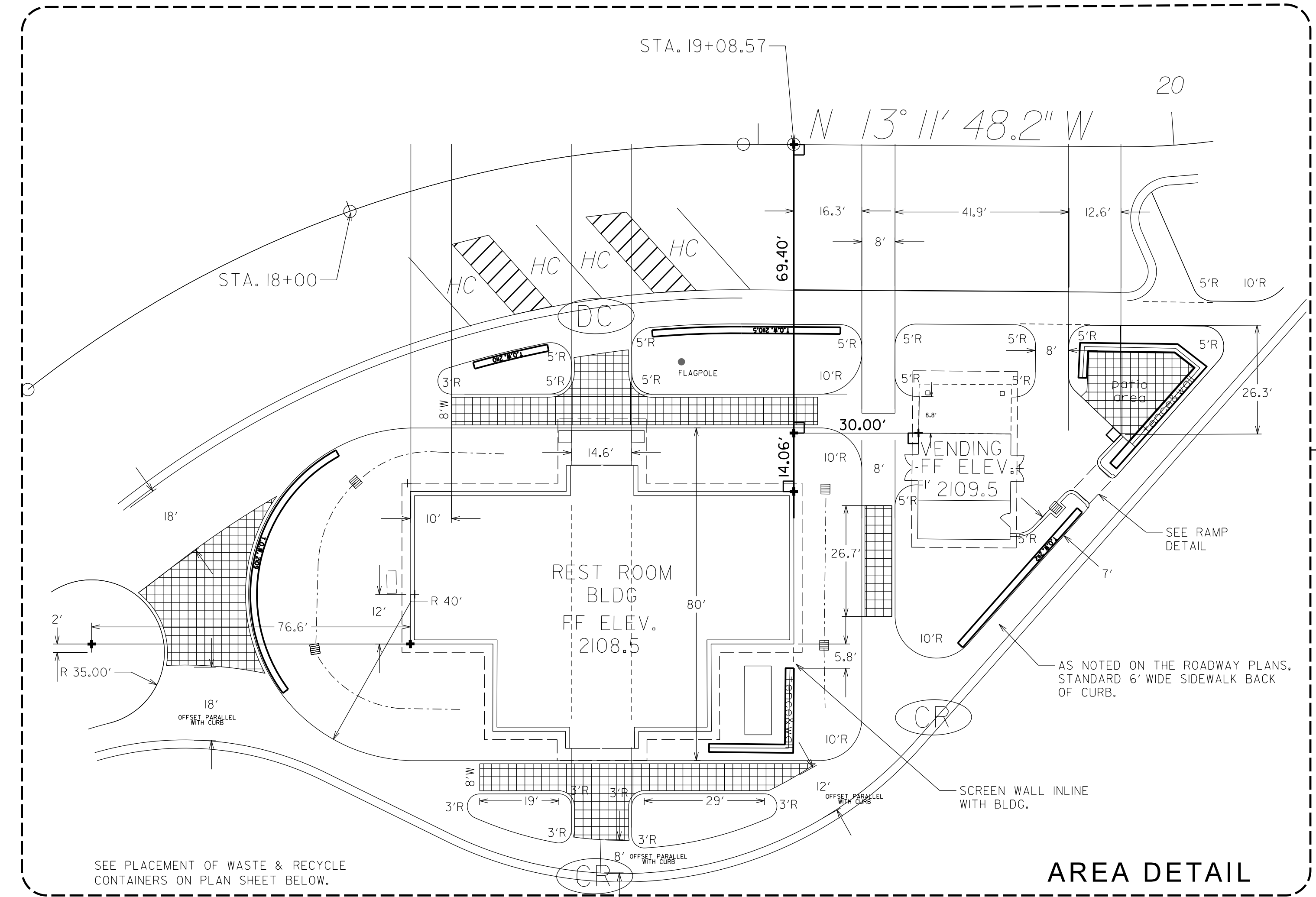
STATE NC	FILE # L-1400C	SHEET # 5 of 21
WSS # 34232.LFS4	F.A. Project #	Description
		P.E.
		RW
34232.3.5	NHPP-026-120013	CONST.

North Carolina Department of Transportation
 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina

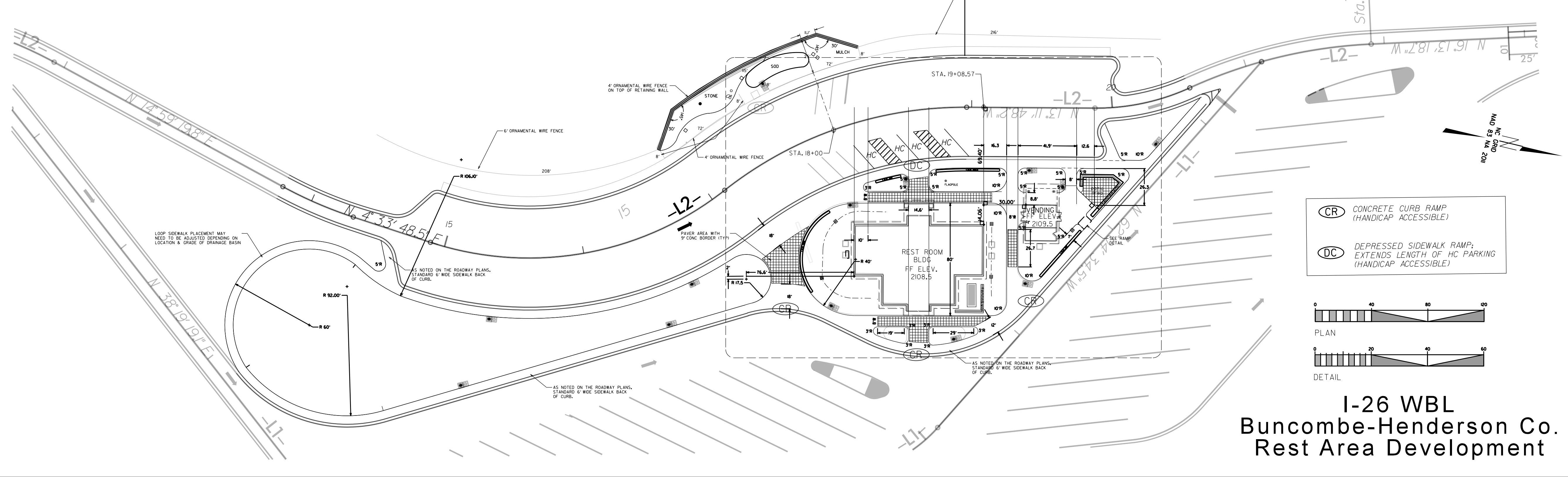
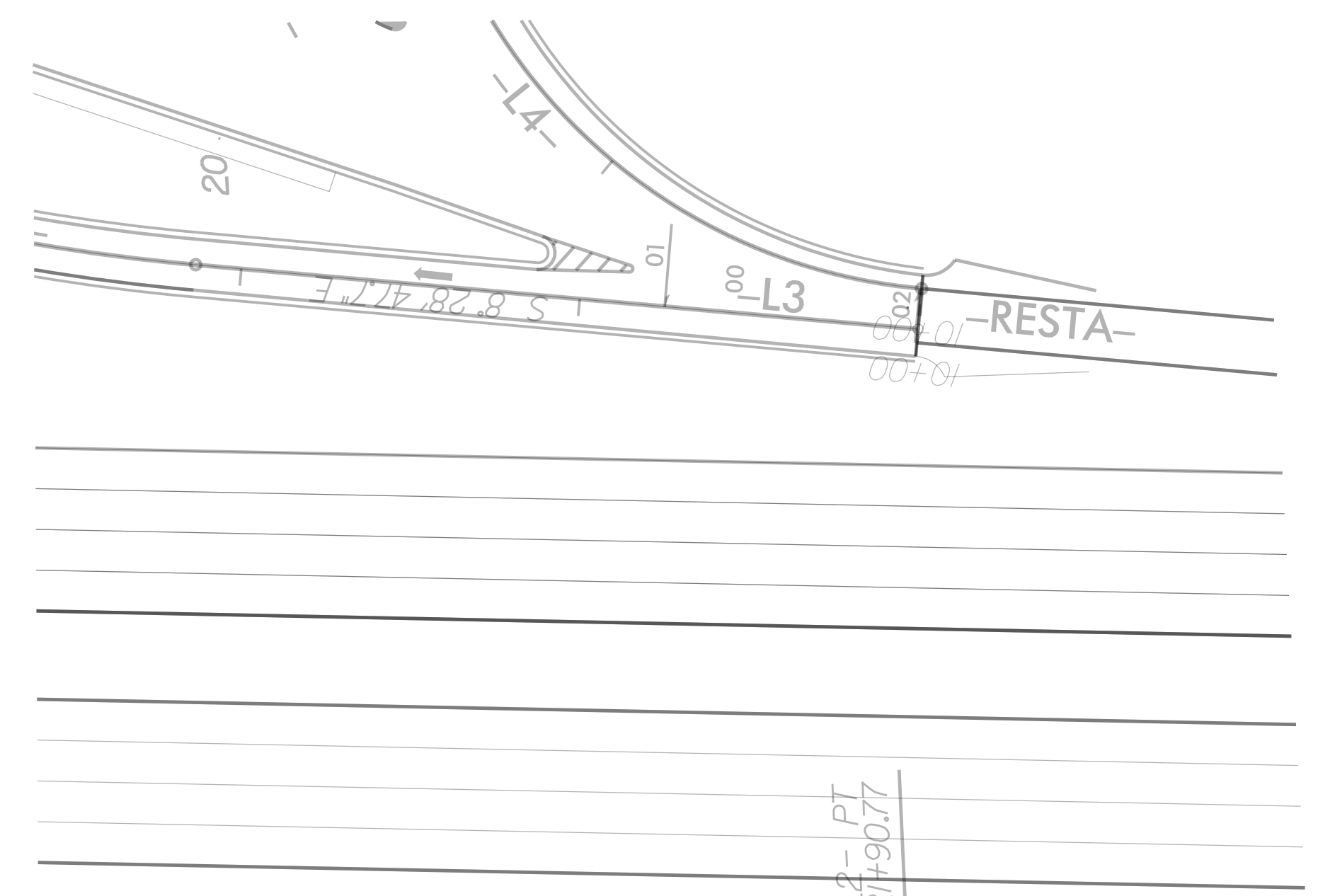


Buncombe-Henderson Co.
 Rest Area Development

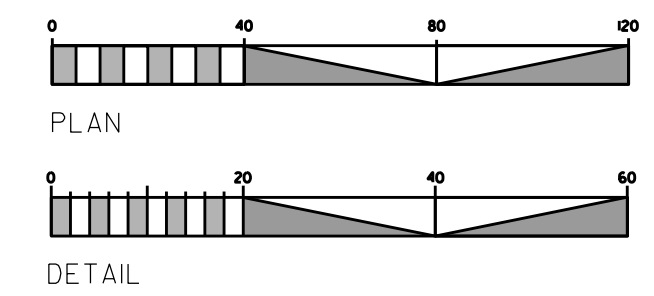
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Plans Drawn By: KOPETSKY
Scale: AS SHOWN
Date: 2 / 22 / 19
Letting Date:
2018 Standard Specifications
Sheet Description: WBL Site Layout & Dimension
Sheet #: L5



REFER TO HARDSCAPE PLANS AND DETAILS FOR FURTHER DIMENSIONS OF PAVED AREAS AND WALLS.

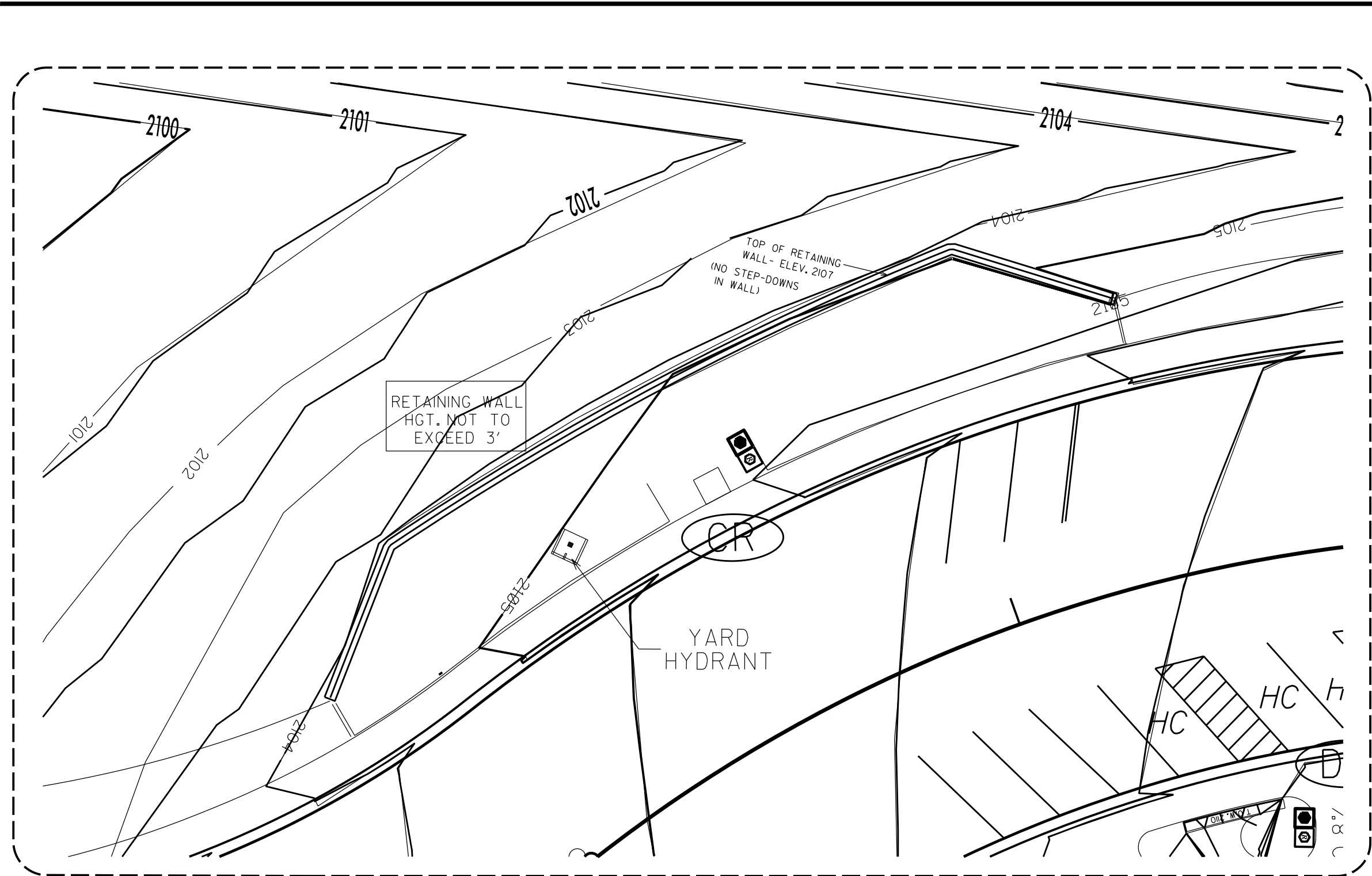


- (CR) CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- (DC) DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)

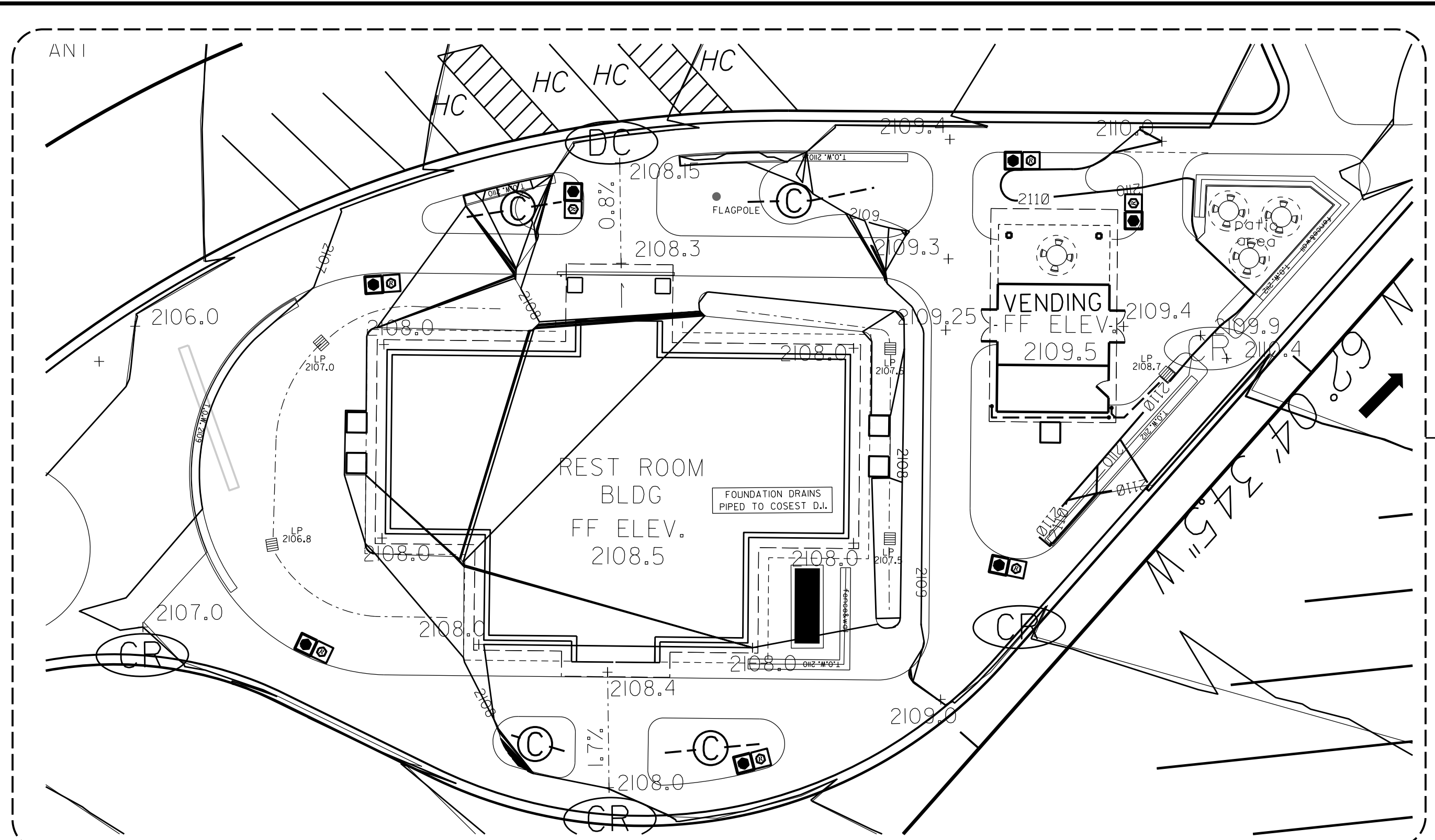


I-26 WBL
Buncombe-Henderson Co.
Rest Area Development

STATE	NC	FILE #	L-1400C	SHEET #	6 of 21
WSS #	34232.LFS4	F.A. Project #		Description	
				P.E.	
				RAW	
	34232.3.5	NWPP-026-W20013		CONST.	

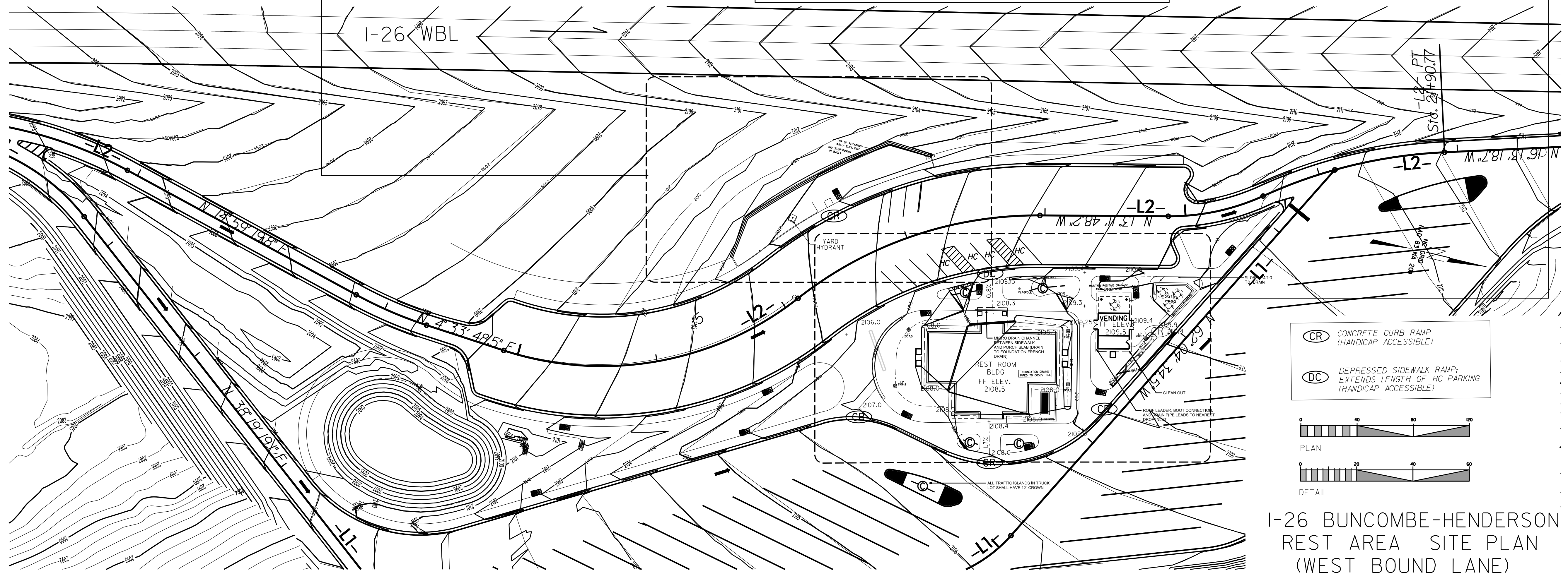


AREA DETAIL

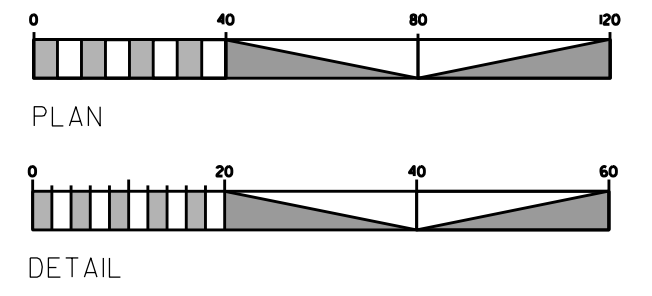


AREA DETAIL

KEY: (C) PLANT BED/TURF AREA CROWNED (MIN. 12")

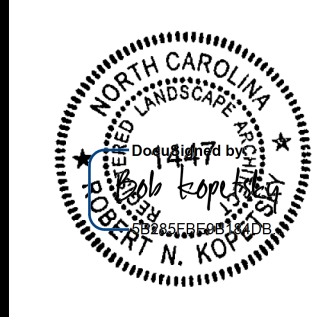


- (CR) CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- (DC) DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)



I-26 BUNCOMBE-HENDERSON REST AREA SITE PLAN (WEST BOUND LANE)

North Carolina Department of Transportation
 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina

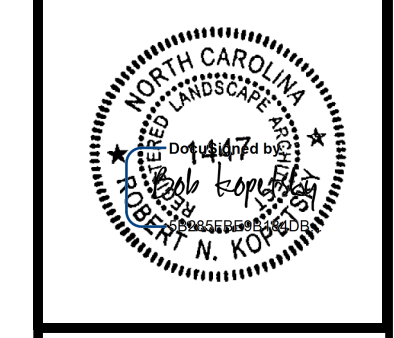


Buncombe-Henderson Co.
 Rest Area Development

Plan:	
Plans Drawn By:	KOPETSKY
Scale:	AS SHOWN
Date:	2 / 22 / 19
Letting Date:	
2018 Standard Specifications	
Sheet Description:	WBL GRADING-DRAINAGE
Sheet #:	L6

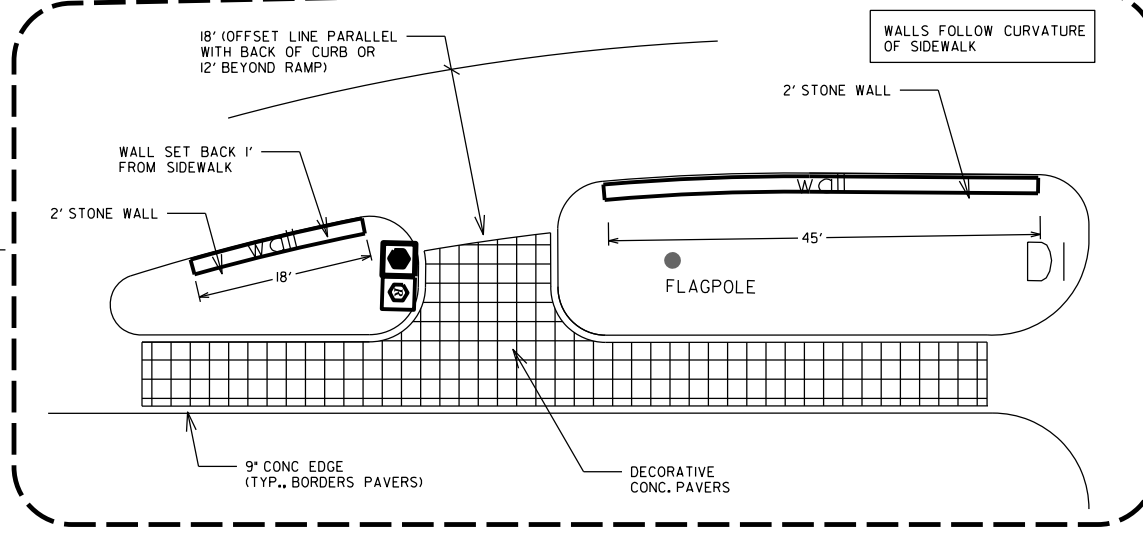
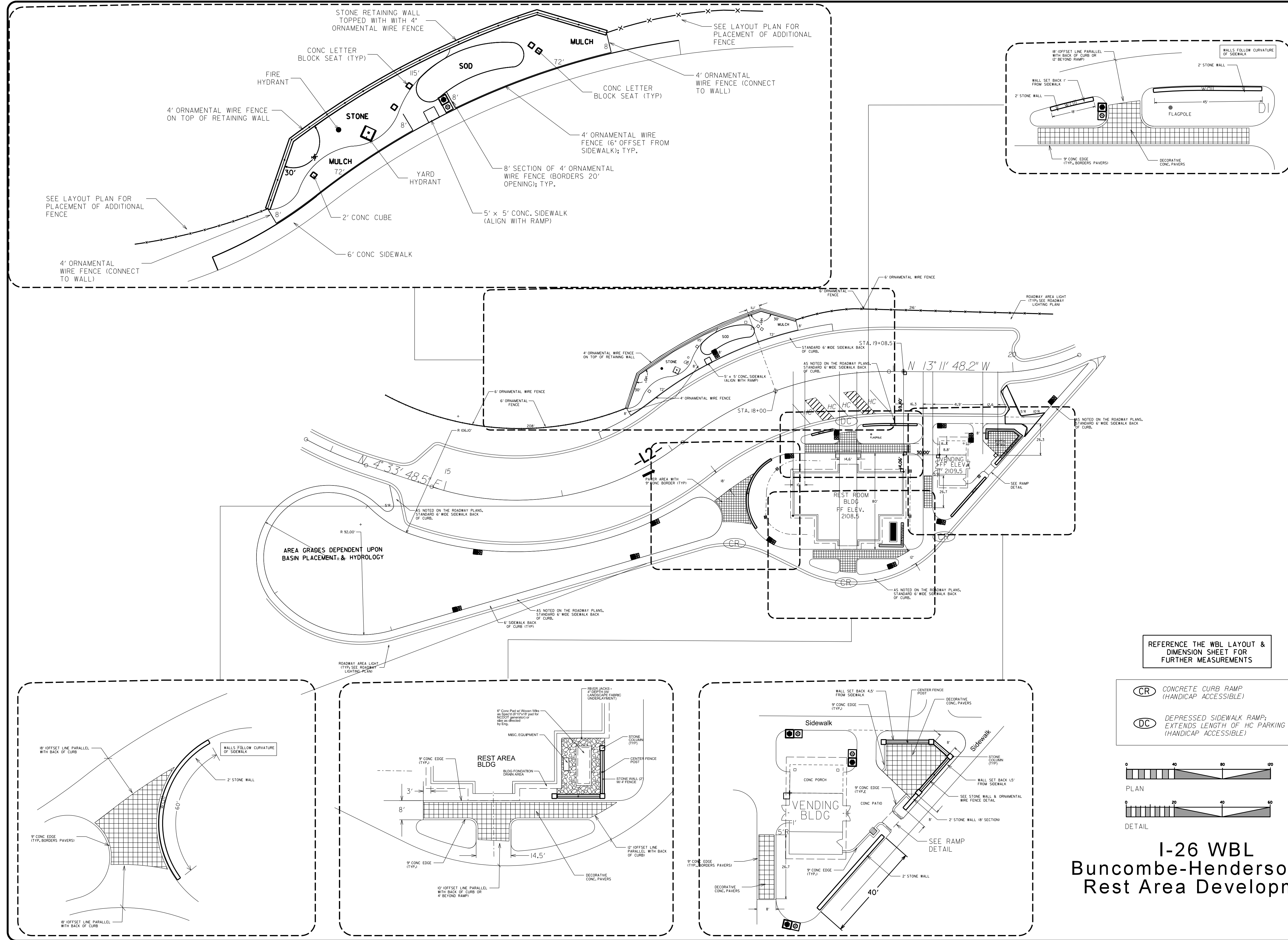
STATE	NC	FILE #	L-1400C	SHEET #	7 of 21
WBS #	34232.LFS4	F.A. Project #		Description	P.E.
					RAW
	34232.3.5	NWPP-026-W20013			CONST.

North Carolina Department of Transportation
 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina



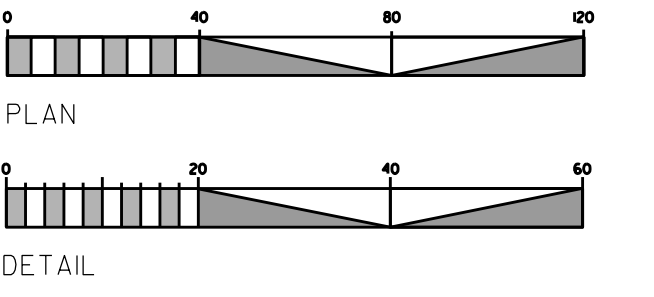
Buncombe-Henderson Co.
 Rest Area Development

Plans Drawn By:	KOPETSKY
Scale	AS SHOWN
Date	2 / 22 / 19
Letting Date	
2018 Standard Specifications	
Sheet Description	WBL Hardscape Plan
Sheet #	L7

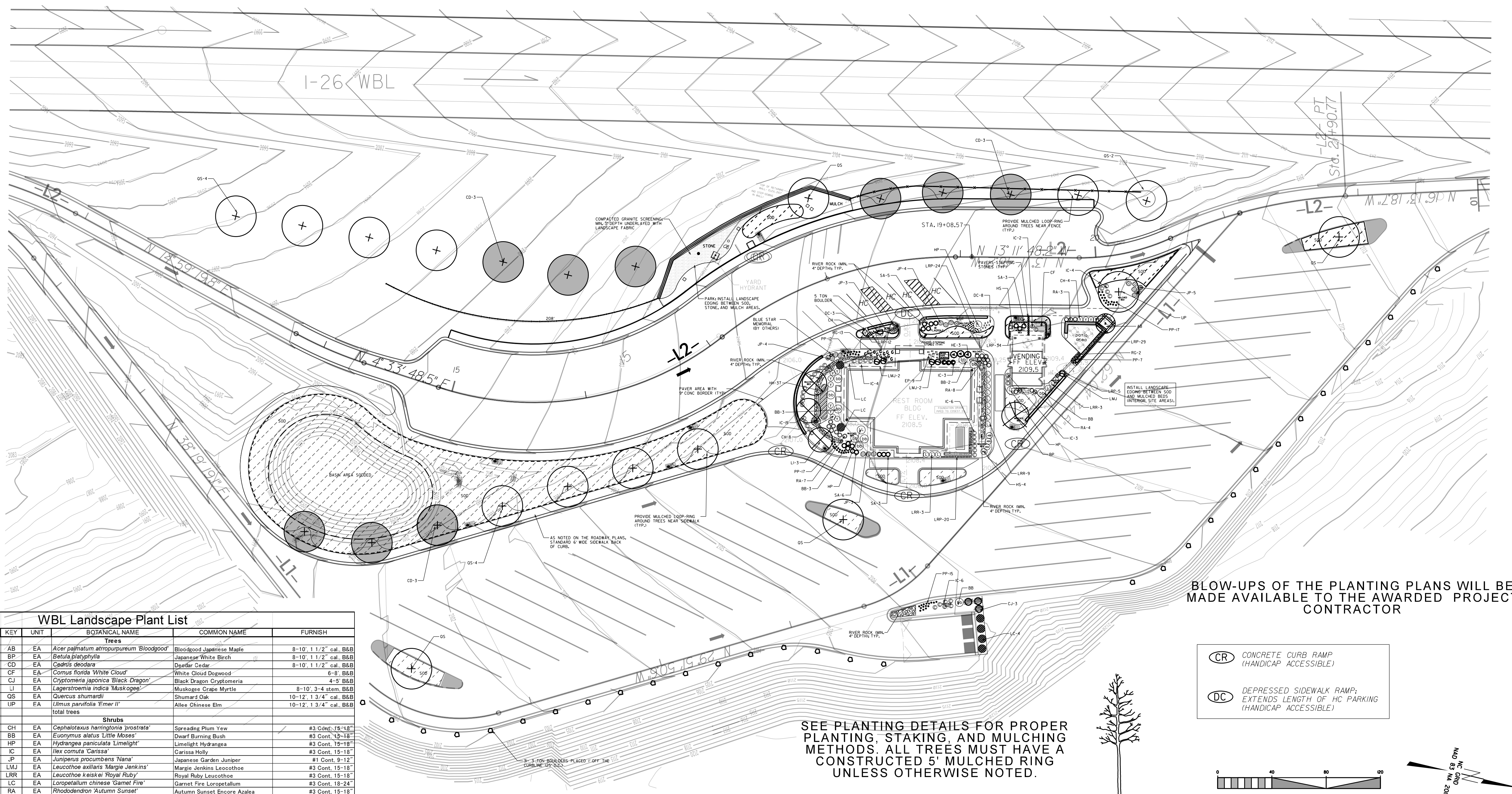
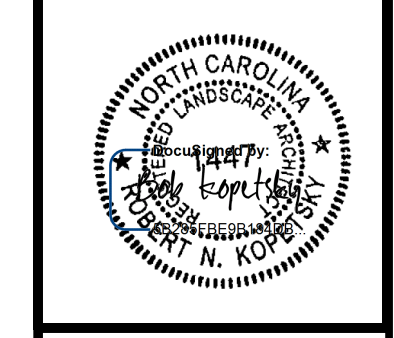


REFERENCE THE WBL LAYOUT & DIMENSION SHEET FOR FURTHER MEASUREMENTS

- (CR)** CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- (DC)** DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)

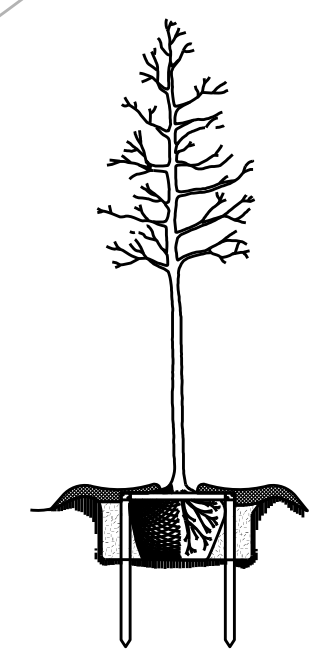
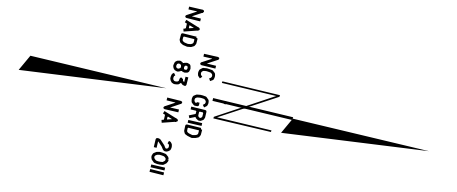
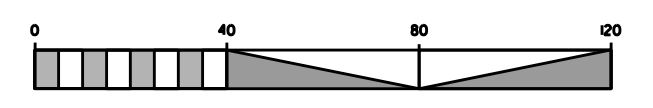


I-26 WBL
Buncombe-Henderson Co.
Rest Area Development



BLOW-UPS OF THE PLANTING PLANS WILL BE MADE AVAILABLE TO THE AWARDED PROJECT CONTRACTOR

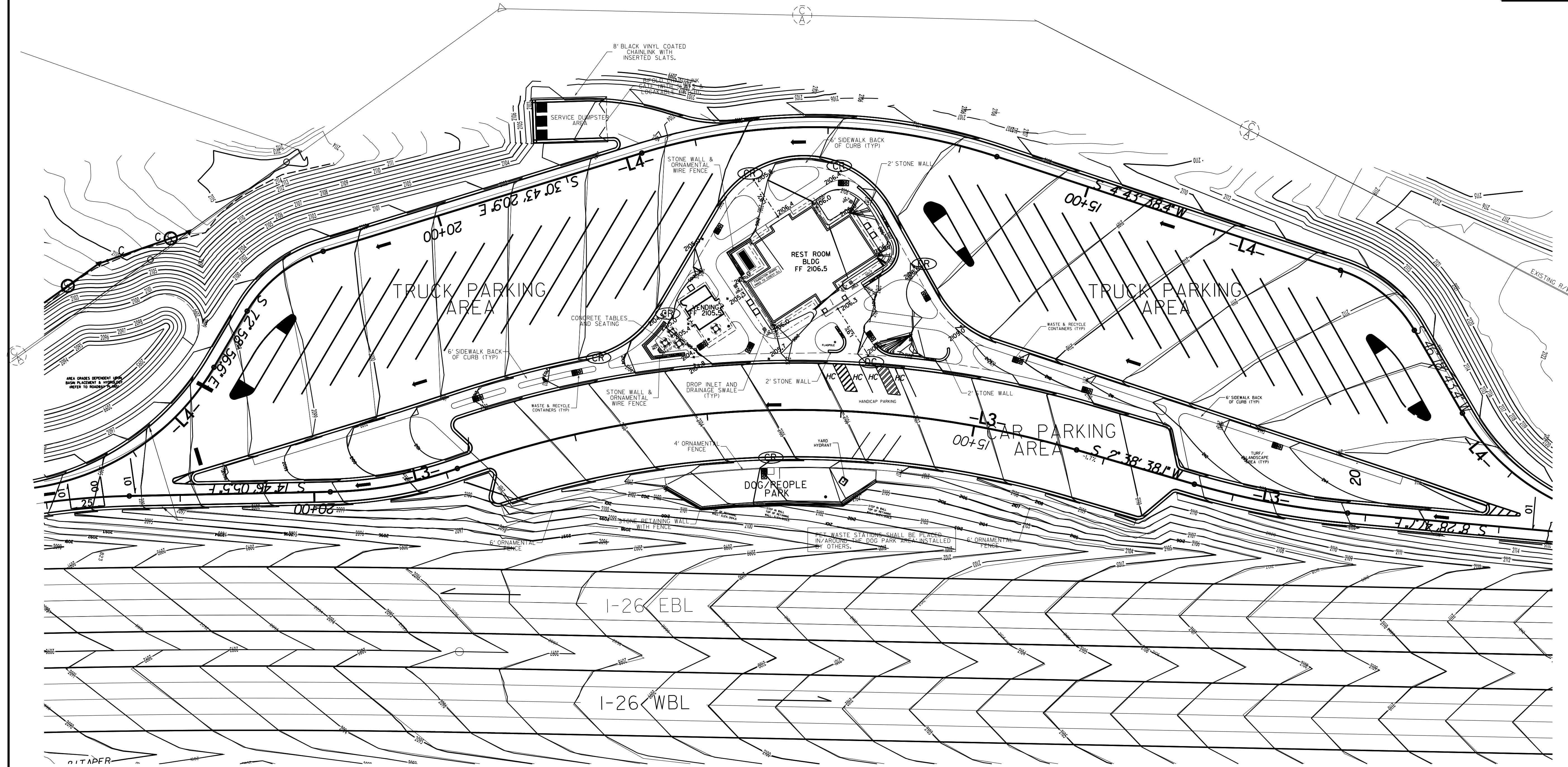
- (CR) CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- (DC) DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)



DENOTES ZOYSIA SOD AREA (3040 SQ. YDS)

QTY.	KEY	UNIT	BOTANICAL NAME	COMMON NAME	FURNISH
Trees					
1	AB	EA	<i>Acer palmatum atropurpureum</i> 'Bloodgood'	Bloodgood Japanese Maple	8-10'; 1 1/2" cal. B&B
1	BP	EA	<i>Betula platyphylla</i>	Japanese White Birch	8-10'; 1 1/2" cal. B&B
9	CD	EA	<i>Cedrus deodara</i>	Deodar Cedar	8-10'; 1 1/2" cal. B&B
1	CF	EA	<i>Cornus florida</i> 'White Cloud'	White Cloud Dogwood	6-8' B&B
3	CJ	EA	<i>Cryptomeria japonica</i> 'Black Dragon'	Black Dragon Cryptomeria	4-8' B&B
3	LI	EA	<i>Lagerstroemia indica</i> 'Muskogee'	Muskogee Crape Myrtle	8-10'; 3-4" stem. B&B
14	QS	EA	<i>Quercus shumardii</i>	Shumard Oak	10-12'; 1 3/4" cal. B&B
1	UP	EA	<i>Ulmus parvifolia</i> 'Emer II'	Allee Chinese Elm	10-12'; 1 3/4" cal. B&B
33			total trees		
Shrubs					
13	CH	EA	<i>Cephalotaxus harringtonia</i> 'prostrata'	Spreading Plum Yew	#3 Cont. 15-18"
10	BB	EA	<i>Euonymus alatus</i> 'Little Moses'	Dwarf Burning Bush	#3 Cont. 15-18"
3	HP	EA	<i>Hydrangea paniculata</i> 'Limeight'	Limeight Hydrangea	#3 Cont. 15-18"
43	IC	EA	<i>Ilex cornuta</i> 'Carissa'	Carissa Holly	#3 Cont. 15-18"
19	JP	EA	<i>Juniperus procumbens</i> 'Nana'	Japanese Garden Juniper	#1 Cont. 9-12"
5	LMJ	EA	<i>Leucothoe axillaris</i> 'Margie Jenkins'	Margie Jenkins Leucothoe	#3 Cont. 15-18"
15	LRR	EA	<i>Leucothoe keiskei</i> 'Royal Ruby'	Royal Ruby Leucothoe	#3 Cont. 15-18"
6	LC	EA	<i>Loropetalum chinense</i> 'Garnet Fire'	Garnet Fire Loropetalum	#3 Cont. 18-24"
22	RA	EA	<i>Rhododendron</i> 'Autumn Sunset'	Autumn Sunset Encore Azalea	#3 Cont. 15-18"
17	SA	EA	<i>Spiraea japonica</i> 'Anthony Waterer'	Anthony Waterer Spiraea	#3 Cont. 12-15"
153			total shrubs		
Grasses, Groundcovers, & Perennials					
11	DC	EA	<i>Delosperma cooperi</i>	Hardy Ice Plant	#1 Cont. min. 6", well rooted
9	EP	EA	<i>Echinacea purpurea</i> 'Kim's Knee High'	Kim's Knee High Purple Coneflower	#1 Cont. min. 6", well rooted
37	HI	EA	<i>Hemerocallis</i> 'Happy Returns'	Happy Returns Daylily	#1 Cont. min. 9", well rooted
3	HE	EA	<i>Hosta sieboldiana</i> 'Elegans'	Elegans Hosta	#1 Cont. min. 9", well rooted
5	HS	EA	<i>Hosta x</i> 'Sum and Substance'	Sum and Substance Hosta	#1 Cont. min. 9", well rooted
124	LRP	EA	<i>Liriope muscari</i> 'Royal Purple'	Royal Purple Liriope	#1 Cont. 4-6"
68	PP	EA	<i>Pennisetum alopecuroides</i> 'Piglet'	Piglet Fountain Grass	#1 Cont. 9-12" top growth
15	RG	EA	<i>Rudbeckia fulgida</i> 'Goldsturm'	Goldsturm Black-eyed Susan	#1 Cont. min. 6", well rooted
272			total Grasses, Groundcovers, & Perennials		

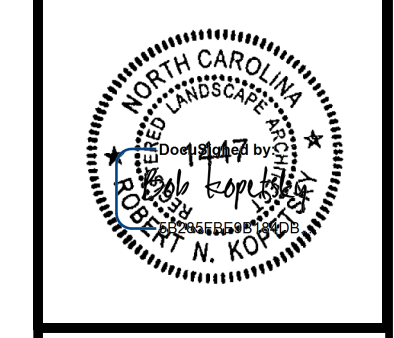
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- (CR) CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- (DC) DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)

I-26 EBL
 Buncombe-Henderson Co.
 Rest Area Development

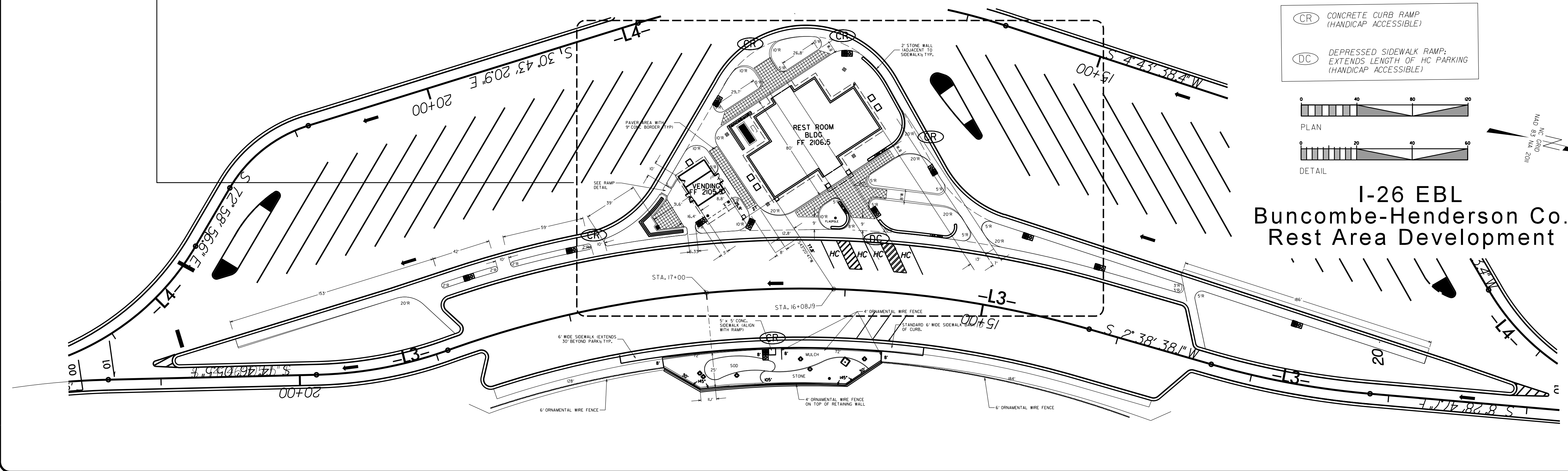
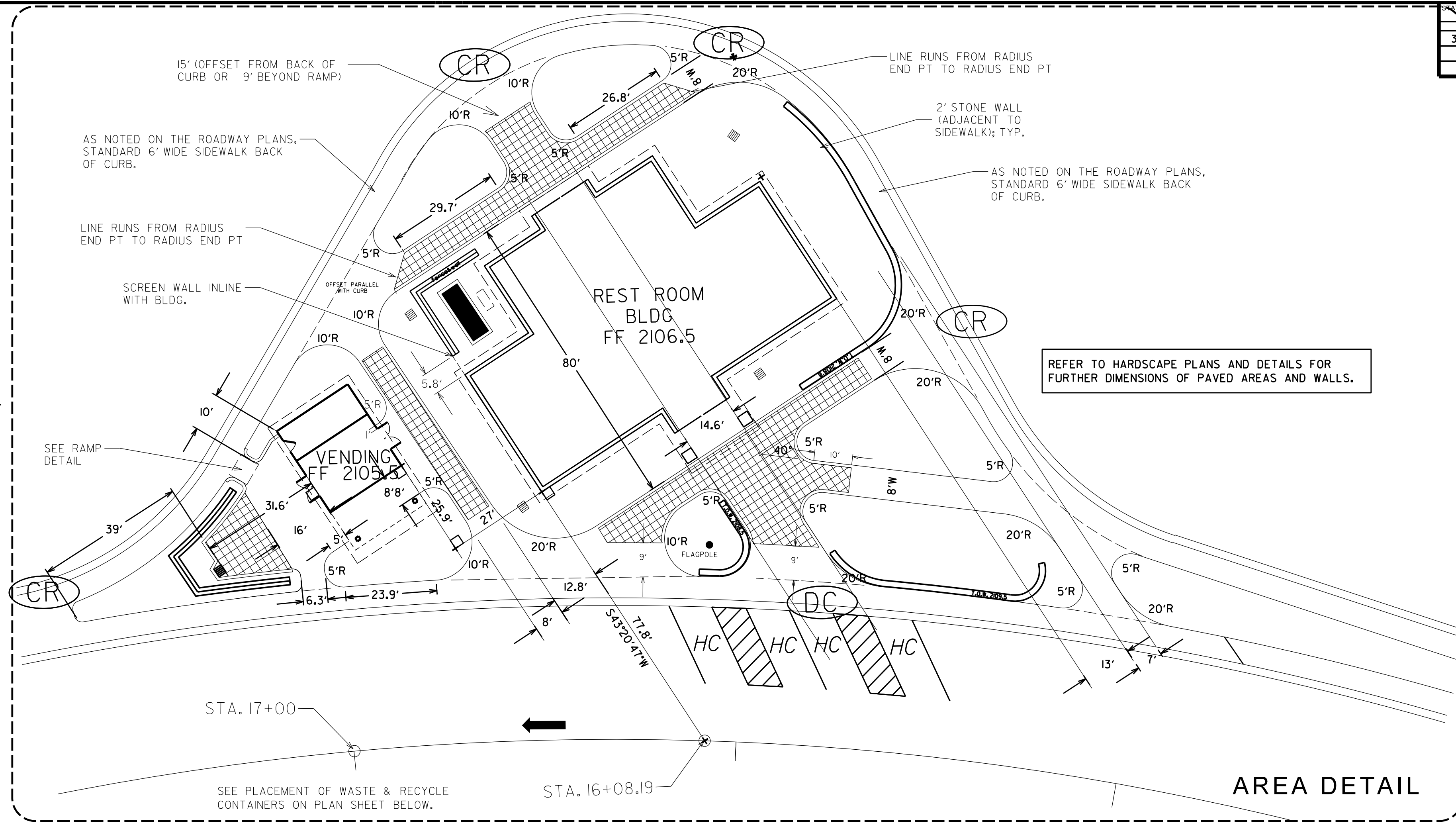
North Carolina Department of Transportation
 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina



Buncombe-Henderson Co.
 Rest Area Development

Plans Drawn By:	KOPETSKY
Scale	AS SHOWN
Date	1 / 22 / 19
Letting Date	
2018 Standard Specifications	
Sheet Description	EBL SITE PLAN
Sheet #	19

STATE	NC	FILE #	L-1400C	SHEET #	10 of 21
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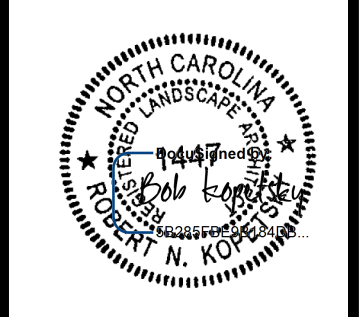
(CR) CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
 (DC) DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)

PLAN
 1" = 40'

DETAIL
 1" = 20'

**I-26 EBL
Buncombe-Henderson Co.
Rest Area Development**

North Carolina Department of Transportation
 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina

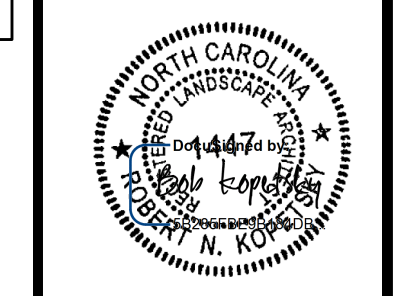


Buncombe-Henderson Co.
 Rest Area Development

Plans Drawn By:	KOPESKY
Scale	AS SHOWN
Date	2 / 22 / 19
Letting Date	
2018 Standard Specifications	
Sheet Description	EBL LAYOUT PLAN
Sheet #	L10

STATE	NC	FILE #	L-4400C	SHEET #	21
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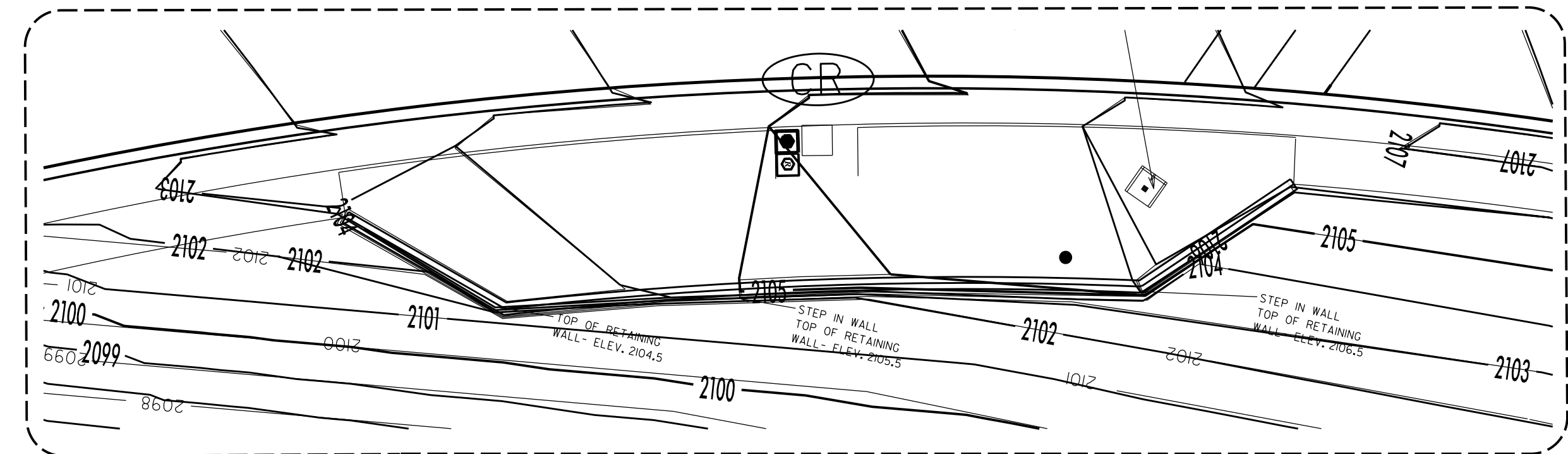
North Carolina Department of Transportation
 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina



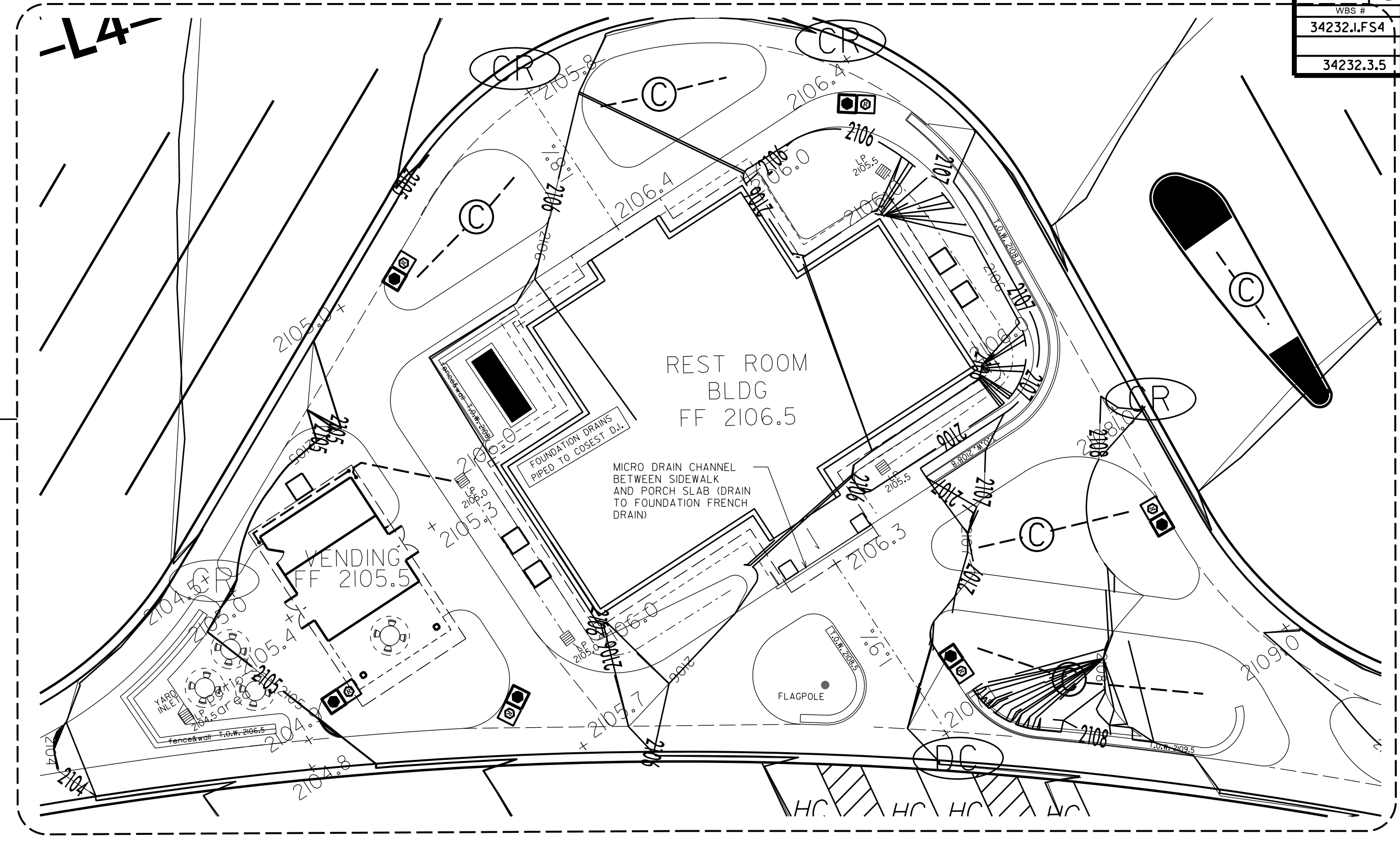
Buncombe-Henderson Co.
 Rest Area Development

Plans Drawn By:	KOPETSKY
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Date:	2 / 22 / 19
Letting Date:	

2018 Standard Specifications
 Sheet Description
 EBL GRADING-DRAINAGE
 Sheet #
 L11

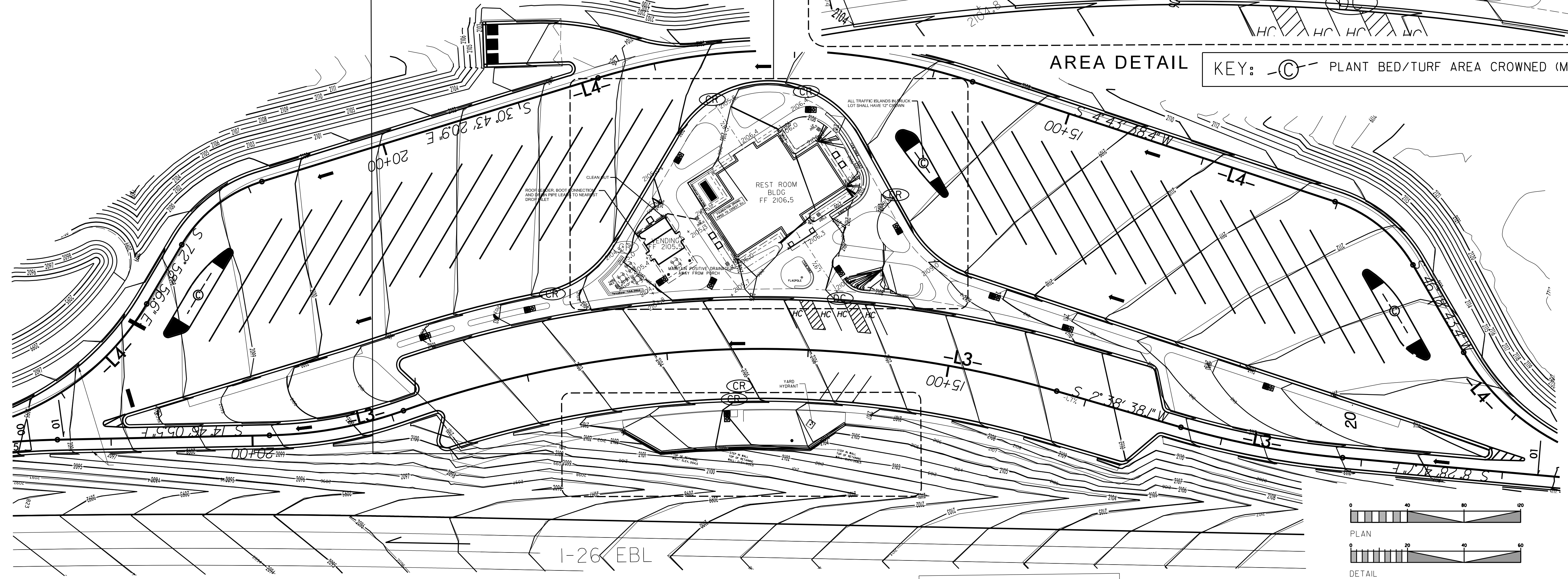


AREA DETAIL

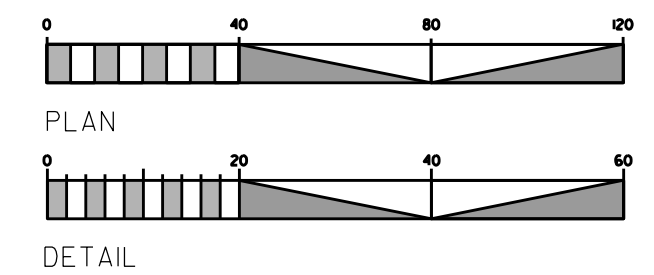
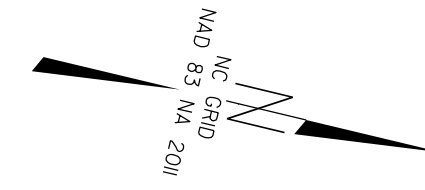


AREA DETAIL

KEY: PLANT BED/TURF AREA CROWNED (MIN. 12")



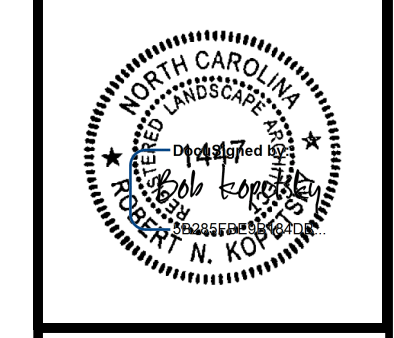
- CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)



I-26 EBL
Buncombe-Henderson Co.
Rest Area Development

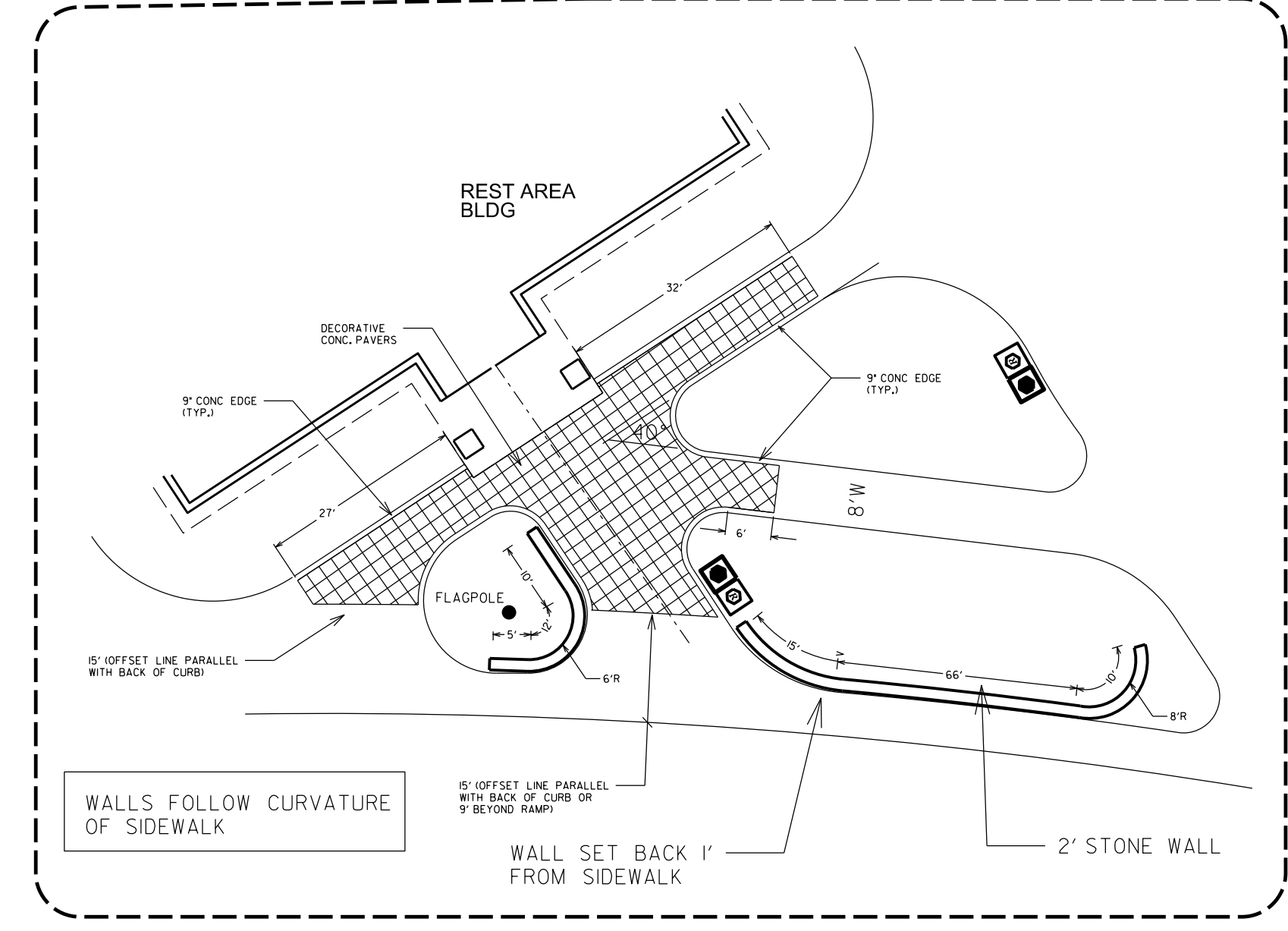
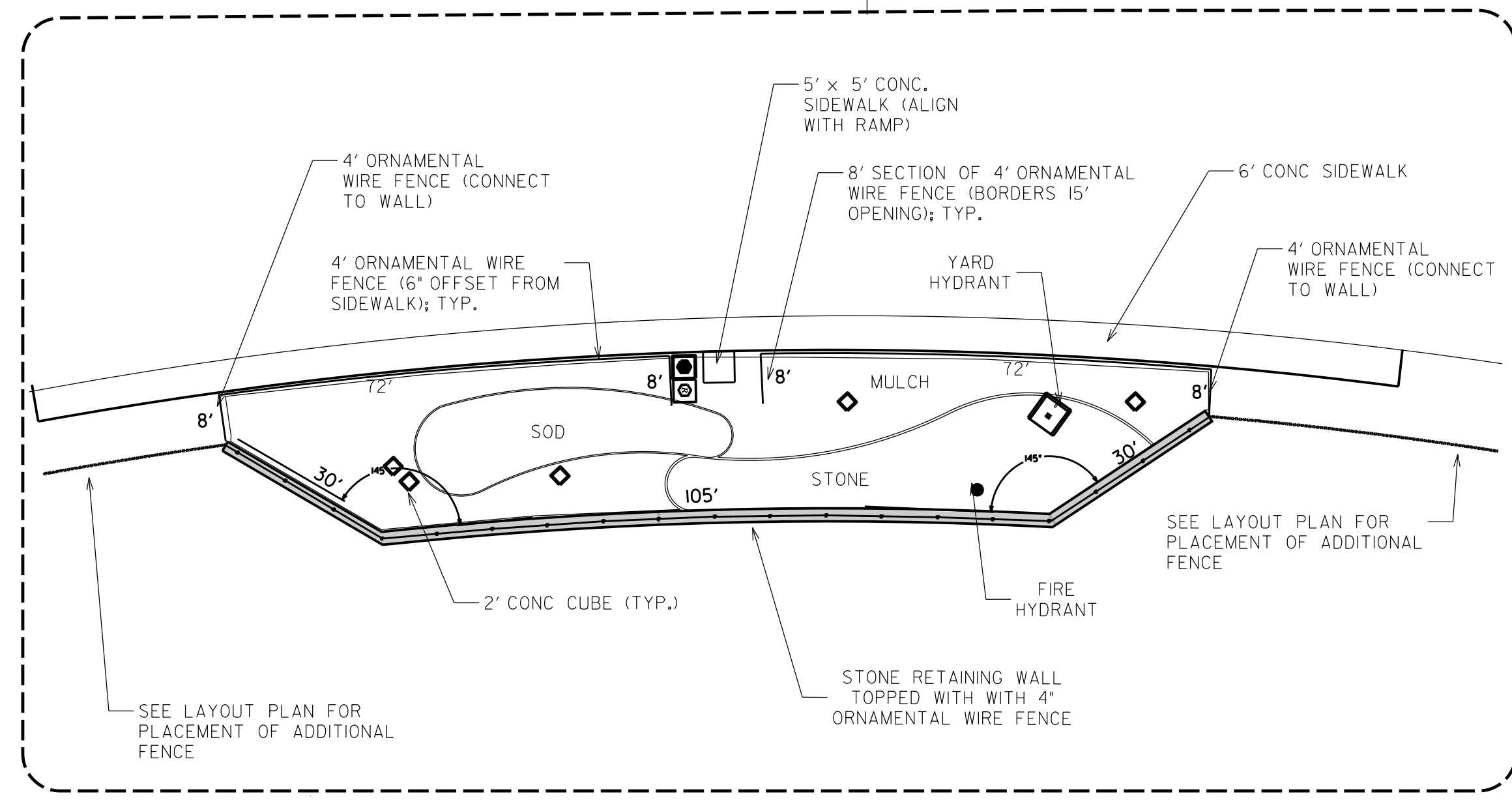
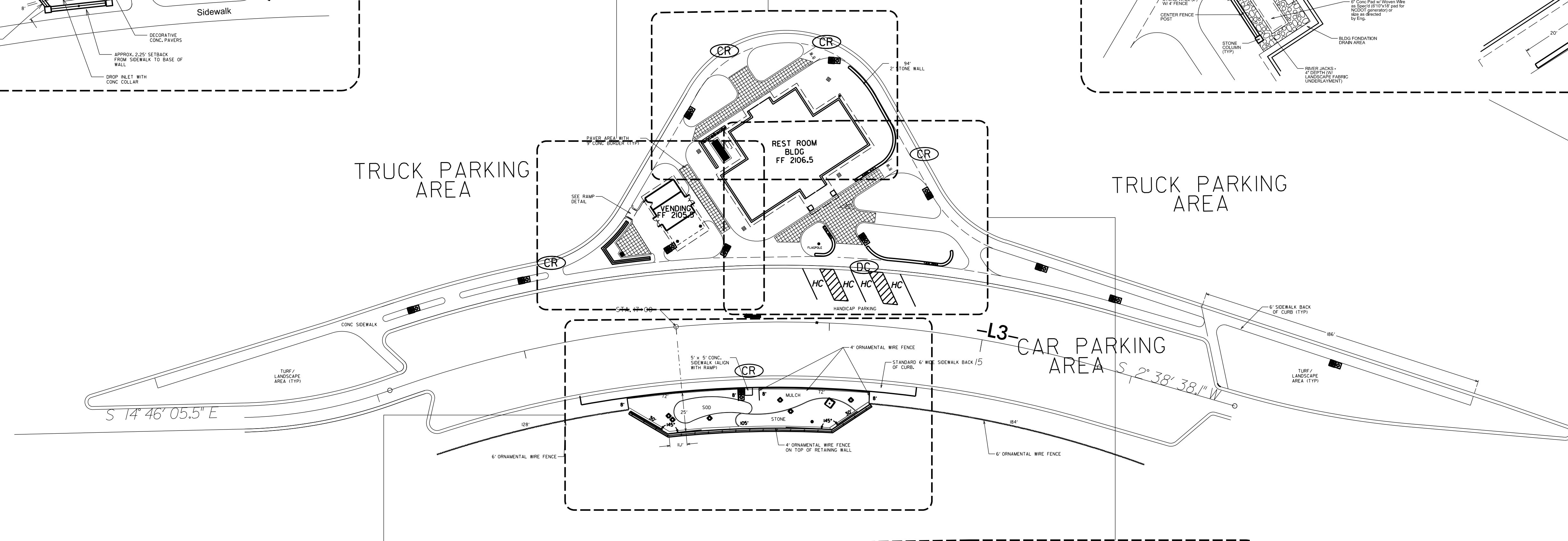
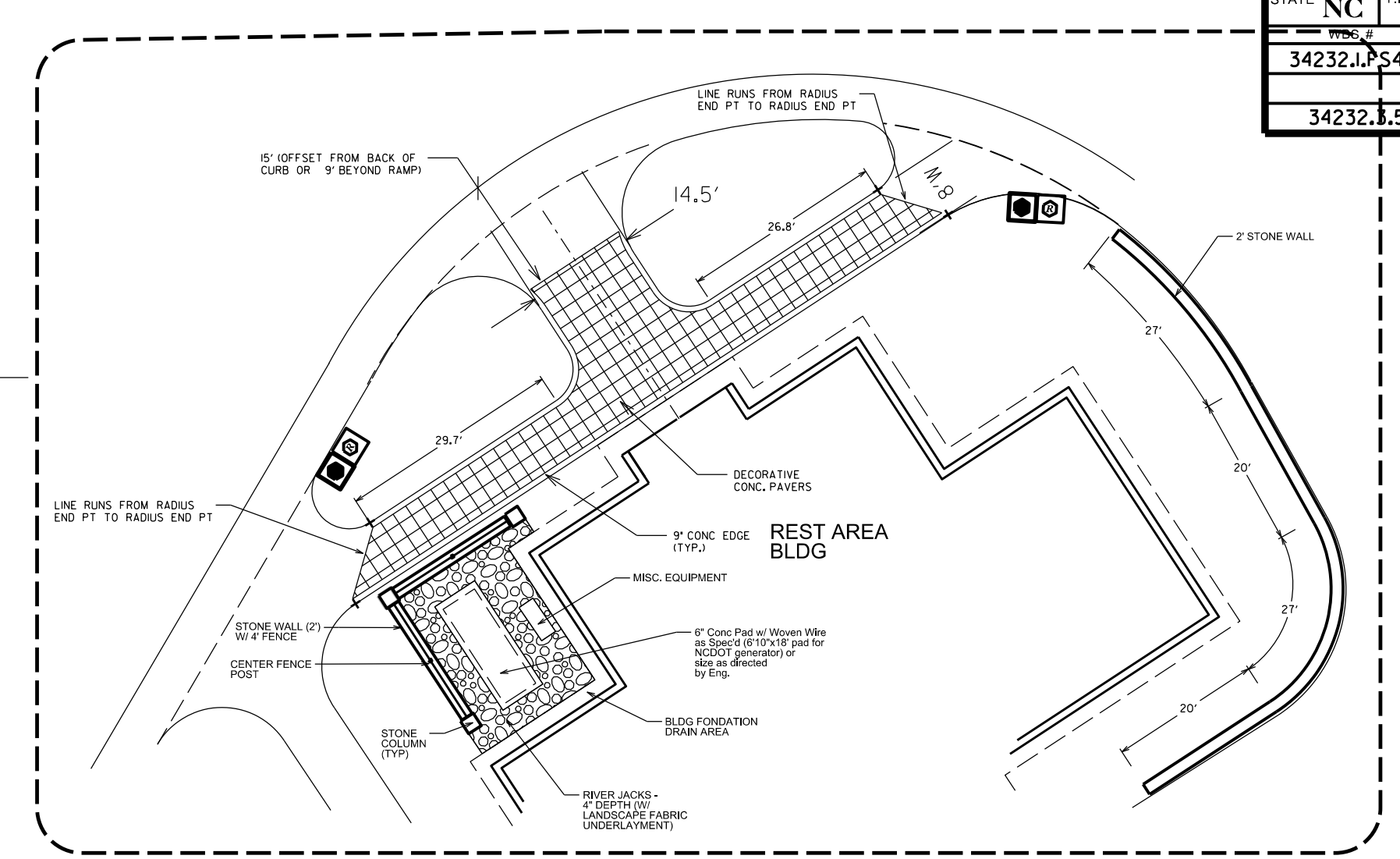
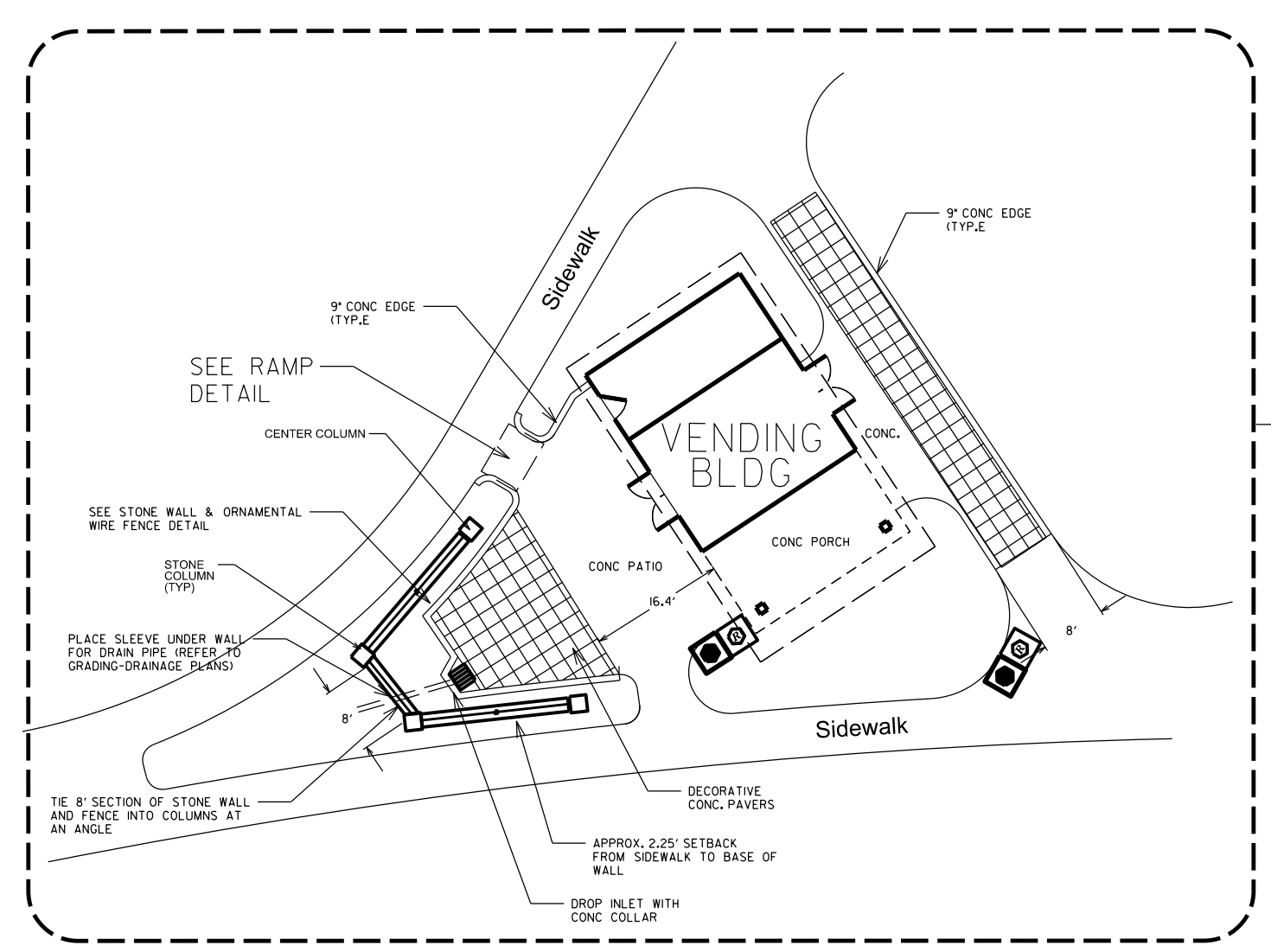
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PROJECT #	34232.LP54	E.A. Project #		Description	P.E.
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					CONST.

North Carolina Department of Transportation
 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina

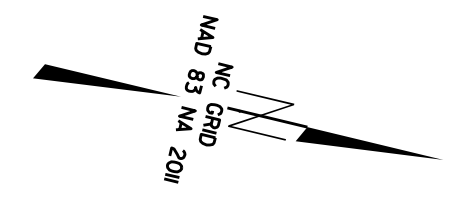


Buncombe-Henderson Co.
 Rest Area Development

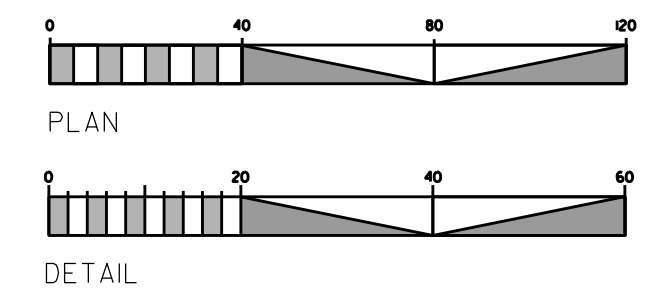
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Scale	AS SHOWN
Date	2 / 22 / 19
Letting Date	
2018 Standard Specifications	
Sheet Description	EBL Hardscape Plan
Sheet #	L12



REFERENCE THE EBL LAYOUT & DIMENSION SHEET FOR FURTHER MEASUREMENTS

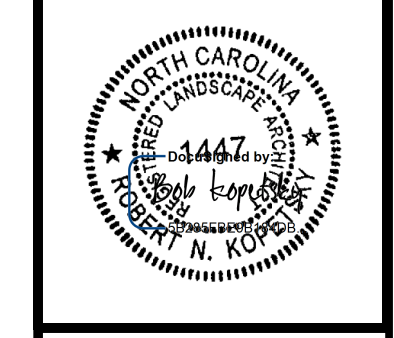


- CR** CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- DC** DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)



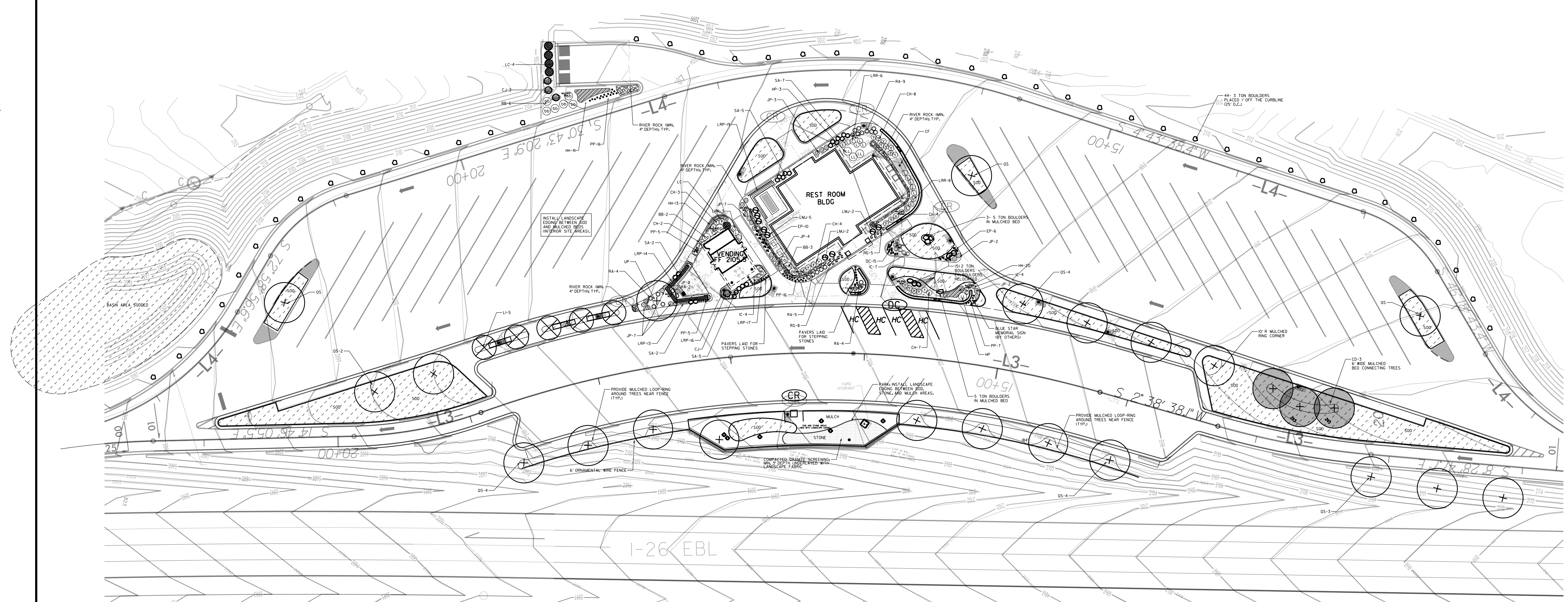
I-26 EBL
Buncombe-Henderson Co.
Rest Area Development

North Carolina Department of Transportation
 Division of Highways
 1 South Wilmington Street Raleigh, North Carolina



Buncombe-Henderson Co.
 Rest Area Development

Plans Drawn By:	KOPETSKY
Scale	AS SHOWN
Date	2 / 22 / 19
Letting Date	
2018 Standard Specifications	
Sheet Description	EBL LANDSCAPE PLAN
Sheet #	L13

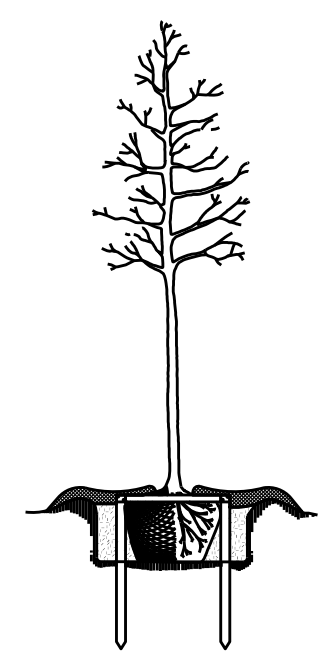


EBL Landscape Plant List					
QTY.	KEY	UNIT	BOTANICAL NAME	COMMON NAME	FURNISH
Trees					
0	AB	EA	<i>Acer palmatum atropurpureum</i> 'Bloodgood'	Bloodgood Japanese Maple	8-10', 1 1/2" cal. B&B
0	BP	EA	<i>Betula platyphylla</i>	Japanese White Birch	8-10', 1 1/2" cal. B&B
3	CD	EA	<i>Cedrus deodara</i>	Deodar Cedar	8-10', 1 1/2" cal. B&B
1	CF	EA	<i>Cornus florida</i> 'White Cloud'	White Cloud Dogwood	6-8', B&B
4	CJ	EA	<i>Cryptomeria japonica</i> 'Black Dragon'	Black Dragon Cryptomeria	4-5' B&B
5	LI	EA	<i>Lagerstroemia indica</i> 'Muskogee'	Muskogee Crape Myrtle	8-10', 3-4 stem. B&B
20	QS	EA	<i>Quercus shumardii</i>	Shumard Oak	10-12', 1 3/4" cal. B&B
1	UP	EA	<i>Ulmus parvifolia</i> 'Emer II'	Allee Chinese Elm	10-12', 1 3/4" cal. B&B
34			total trees		
Shrubs					
28	CH	EA	<i>Cephalotaxus harringtonia</i> 'prostrata'	Spreading Plum Yew	#3 Cont. 15-18"
11	BB	EA	<i>Euonymus alatus</i> 'Little Moses'	Dwarf Burning Bush	#3 Cont. 15-18"
4	HP	EA	<i>Hydrangea paniculata</i> 'Limelight'	Limelight Hydrangea	#3 Cont. 15-18"
15	IC	EA	<i>Ilex comuta</i> 'Carissa'	Carissa Holly	#3 Cont. 15-18"
27	JP	EA	<i>Juniperus procumbens</i> 'Nana'	Japanese Garden Juniper	#1 Cont. 9-12"
9	LMJ	EA	<i>Leucothoe axillaris</i> 'Margie Jenkins'	Margie Jenkins Leucothoe	#3 Cont. 15-18"
17	LRR	EA	<i>Leucothoe keiskei</i> 'Royal Ruby'	Royal Ruby Leucothoe	#3 Cont. 15-18"
5	LC	EA	<i>Loropetalum chinense</i> 'Garnet Fire'	Garnet Fire Loropetalum	#3 Cont. 18-24"
24	RA	EA	<i>Rhododendron</i> 'Autumn Sunset'	Autumn Sunset Encore Azalea	#3 Cont. 15-18"
21	SA	EA	<i>Spiraea japonica</i> 'Anthony Waterer'	Anthony Waterer Spiraea	#3 Cont. 12-15"
161			total shrubs		
Grasses, Groundcovers, & Perennials					
15	EP	EA	<i>Delosperma cooperi</i>	Hardy Ice Plant	#1 Cont. min. 6", well rooted
16	DC	EA	<i>Echinacea purpurea</i> 'Kim's Knee High'	Kim's Knee High Purple Coneflower	#1 Cont. min. 6", well rooted
74	HH	EA	<i>Hemerocallis</i> 'Happy Returns'	Happy Returns Daylily	#1 Cont. min. 9", well rooted
0	HE	EA	<i>Hosta sieboldiana</i> 'Elegans'	Elegans Hosta	#1 Cont. min. 9", well rooted
0	HS	EA	<i>Hosta x</i> 'Sum and Substance'	Sum and Substance Hosta	#1 Cont. min. 9", well rooted
79	LRP	EA	<i>Liriope muscari</i> 'Royal Purple'	Royal Purple Liriope	#1 Cont. 4-6"
49	PP	EA	<i>Pennisetum alopecuroides</i> 'Piglet'	Piglet Fountain Grass	#1 Cont. 9-12" top growth
13	RG	EA	<i>Rudbeckia fulgida</i> 'Goldsturm'	Goldsturm Black-eyed Susan	#1 Cont. min. 6", well rooted
246			total Grasses, Groundcovers, & Perennials		

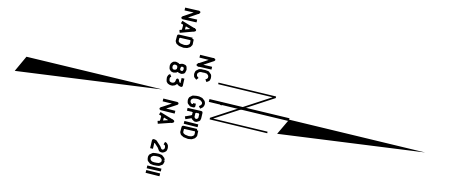
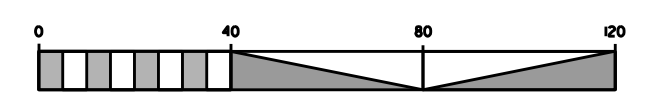
DENOTES ZOYSIA SOD AREA (2760 SQ. YDS.)

SEE PLANTING DETAILS FOR PROPER PLANTING, STAKING, AND MULCHING METHODS. ALL TREES MUST HAVE A CONSTRUCTED 5' MULCHED RING UNLESS OTHERWISE NOTED.

BLOW-UPS OF THE PLANTING PLANS WILL BE MADE AVAILABLE TO THE AWARDED PROJECT CONTRACTOR



- CONCRETE CURB RAMP (HANDICAP ACCESSIBLE)
- DEPRESSED SIDEWALK RAMP; EXTENDS LENGTH OF HC PARKING (HANDICAP ACCESSIBLE)



I-26 EBL Buncombe-Henderson Co. Rest Area Development

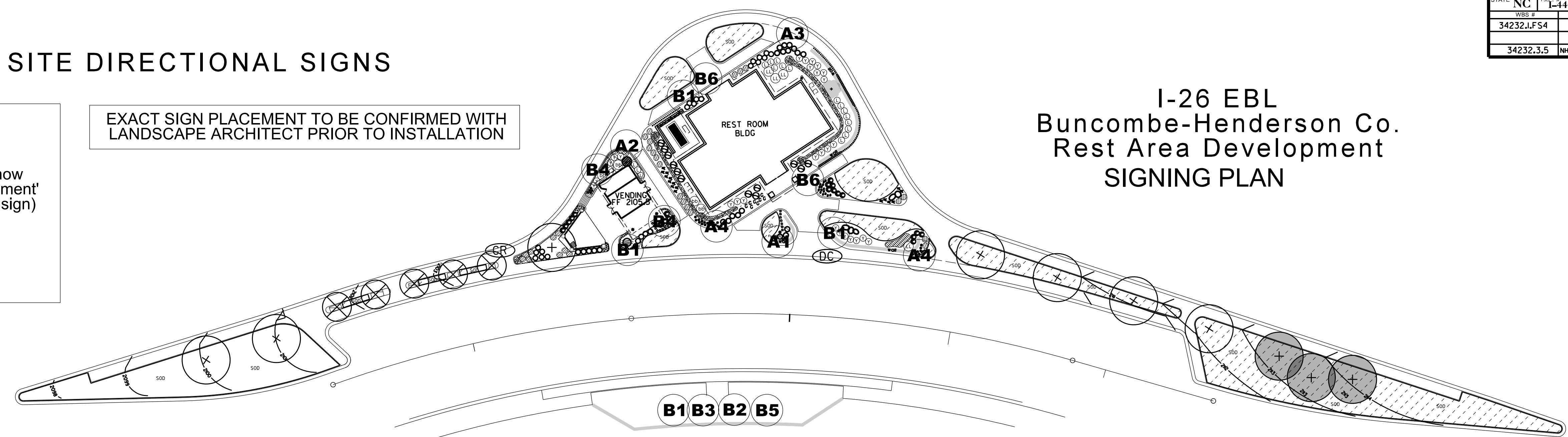
STATE NC	FILE # I-400C	SHEET # 14 of 21
WBS # 34232.LFS4	F.A. Project #	Description
		P.E.
		RAW
34232.3.5	NWPP-026-120013	CONST.

POST MOUNTED SITE DIRECTIONAL SIGNS

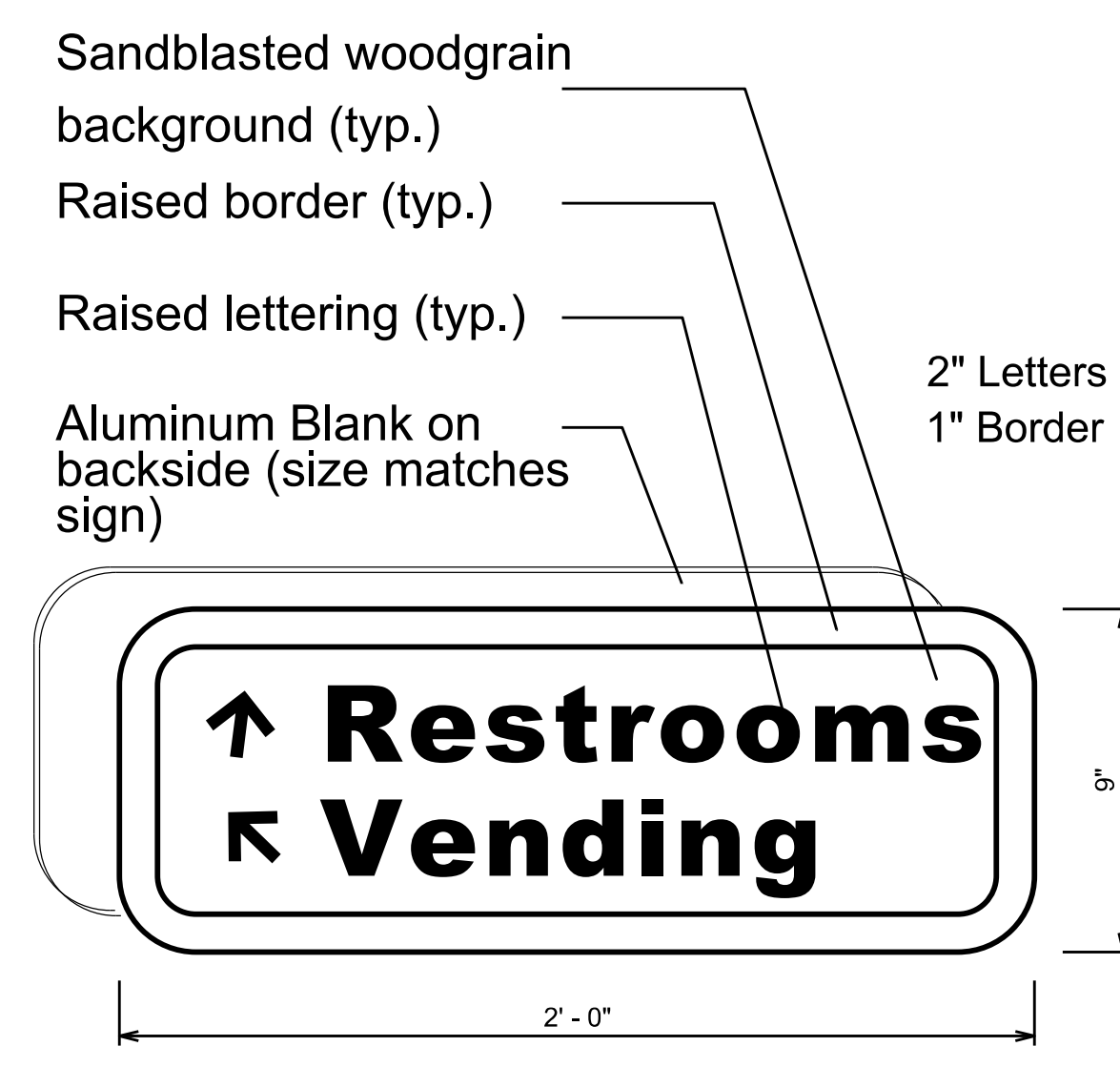
- SIGN QUANTITIES:**
- A1= 3
 - A2= 3
 - A3= 3
 - A4= 5
 - B1= 5
 - B2= 3
 - B3= 3
 - B4= 5
 - B5= 3
 - B6= 5
- (Final Quantities show one additional 'replacment' sign for each type of sign)

EXACT SIGN PLACEMENT TO BE CONFIRMED WITH LANDSCAPE ARCHITECT PRIOR TO INSTALLATION

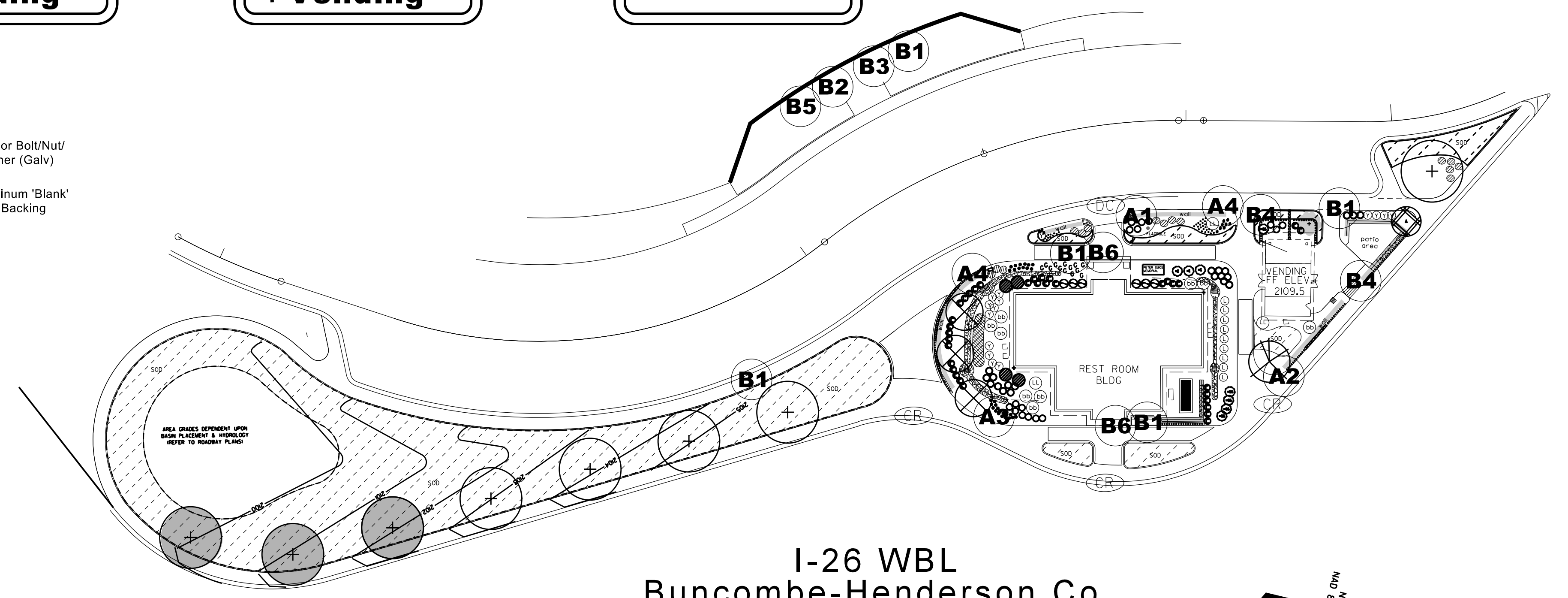
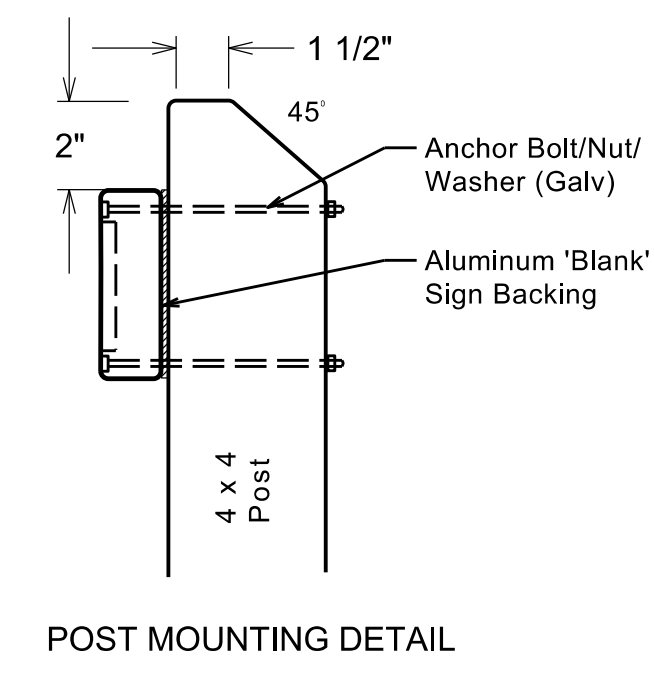
I-26 EBL Buncombe-Henderson Co. Rest Area Development SIGNING PLAN



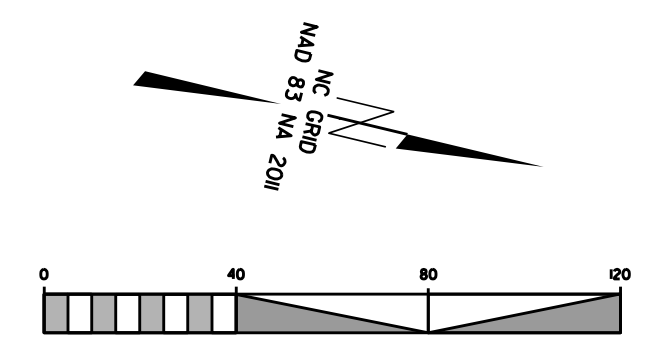
A1



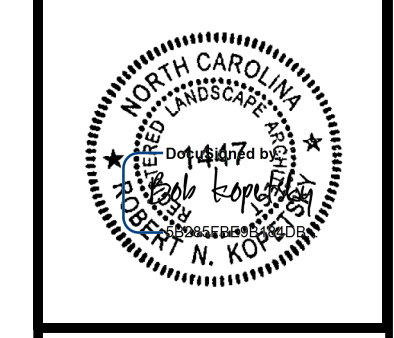
- Notes:**
- Sign is erected on single 4 x 4 post (with 2 coats of approved cedar stain).
 - Anchor bolts recessed in border.
 - Sign fabricator to supply completed signs, hardware, & 4 x 4 pres treated post.
 - Post and sign predrilled.
 - Letters & Border- Navajo White (SW 3005)
 - Background- Dorian Gray(SW 7017)
 - Sign manufactured from High Density Rigid Polyurethane 1 1/2" thickness and finished in professional grade primer, enamels and/or stain.
 - FINAL GRAPHICS AND SIGN LAYOUT TO BE APPROVED BY LANDSCAPE ARCHITECT.
 - font style: bold arial (to be approved; adjustments will be needed for manufacturing purposes).
 - mounting holes shall not interfere with sign graphics.
 - ALL SIGNS/BLANKS ARE 6" X 30" .080 gauge ALUMINUM.
 - Back of Sign (blanks) painted the designated gray.



I-26 WBL Buncombe-Henderson Co. Rest Area Development SIGNING PLAN

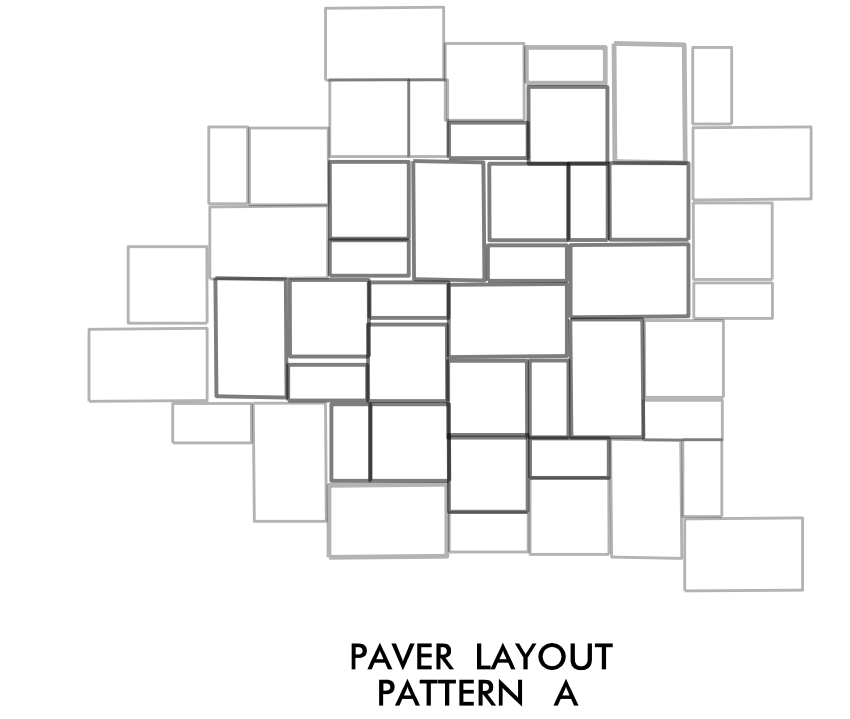
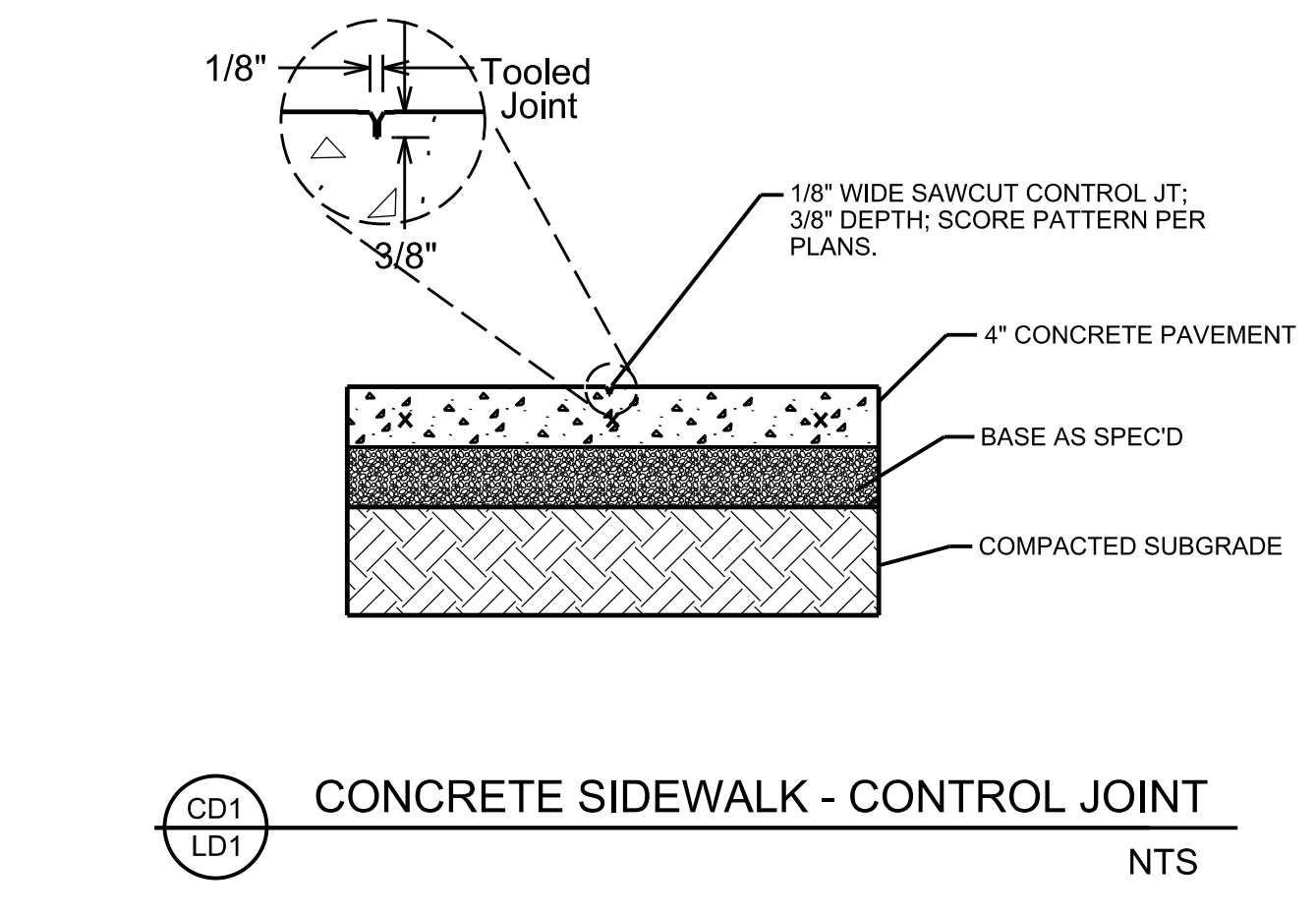
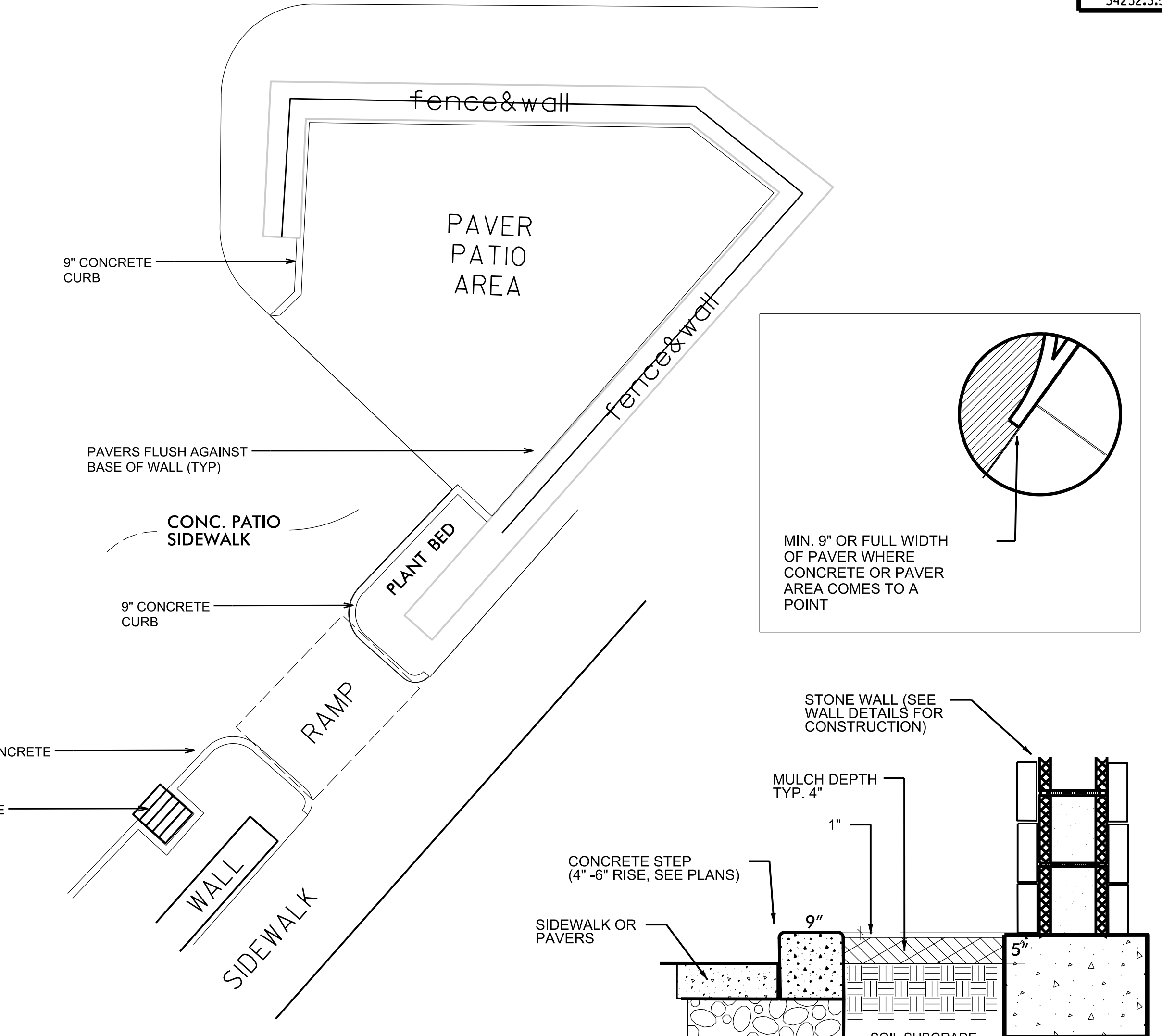
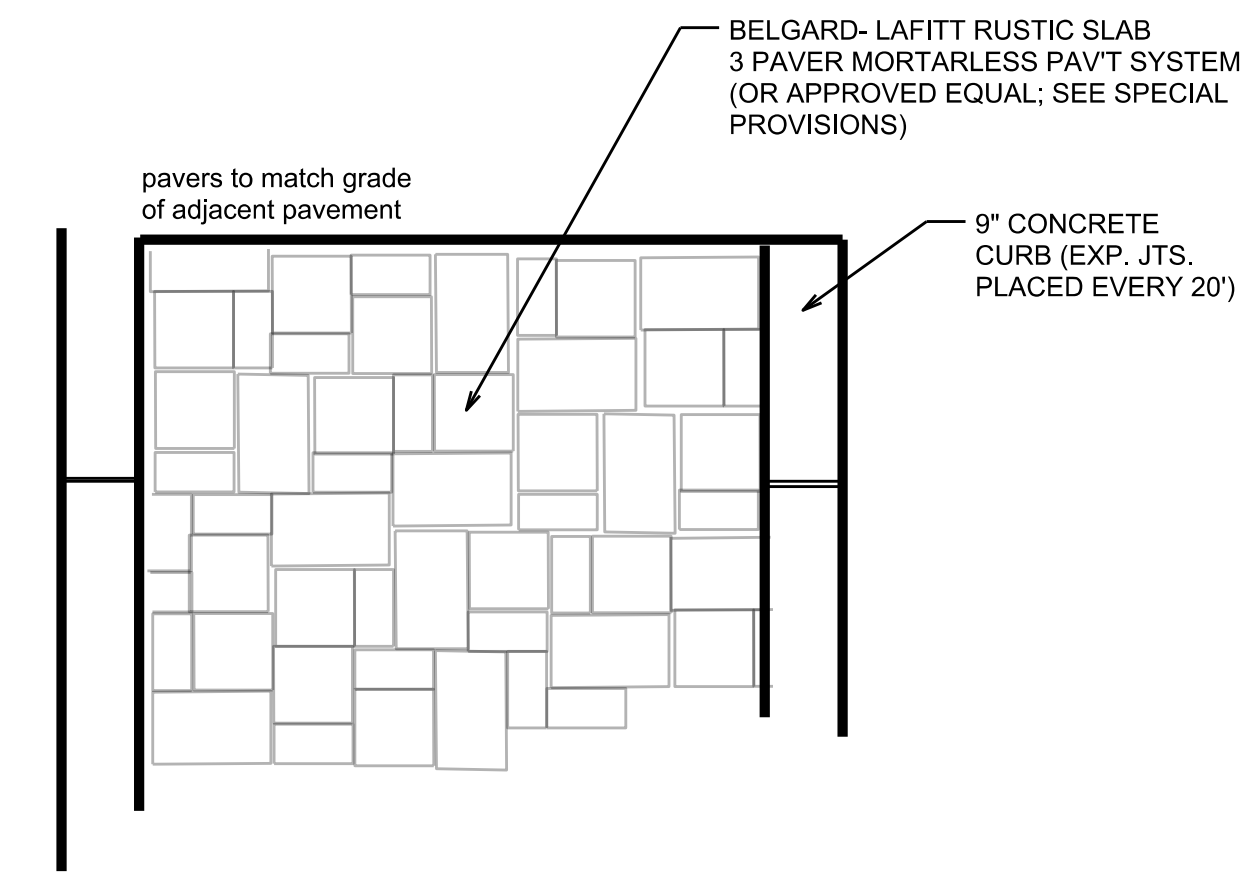
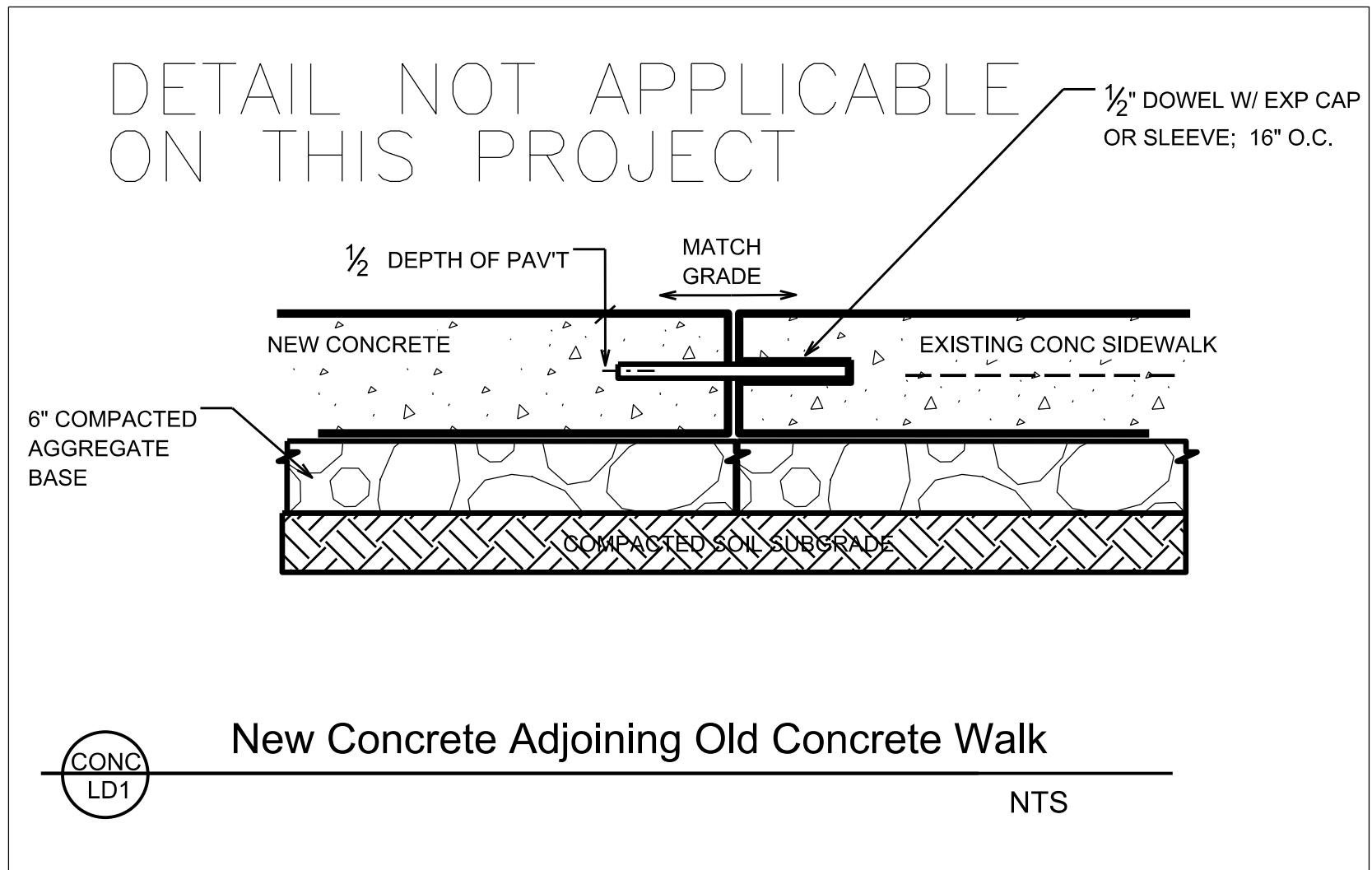
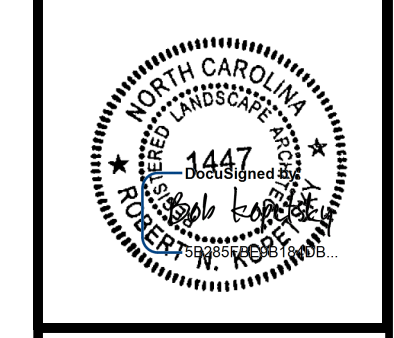


North Carolina Department of Transportation
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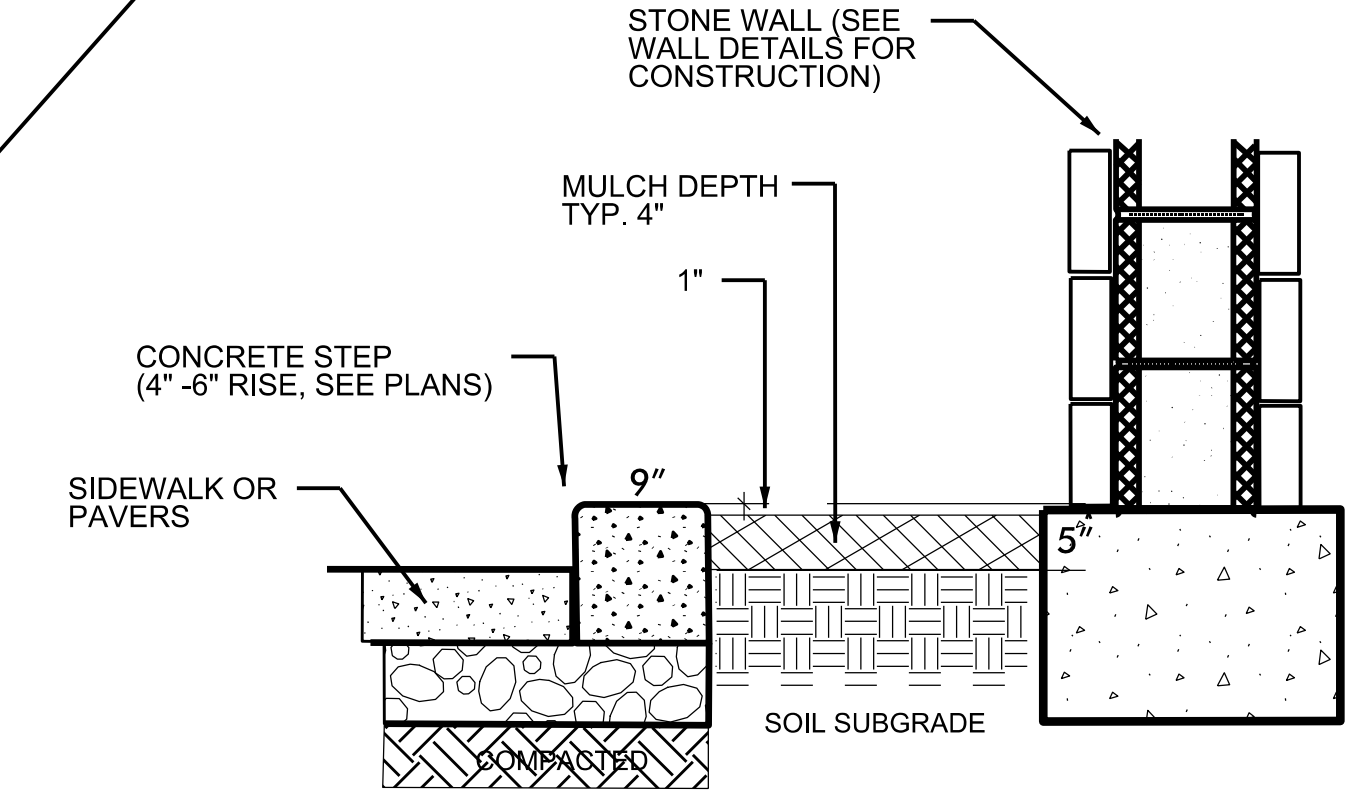
Buncombe-Henderson Co.
 Rest Area Development

Plan:	Plans Drawn By:
	KOPETSKY
	Scale
	AS SHOWN
	Date
	2 / 22 / 19
	Letting Date
	2018 Standard Specifications
	Sheet Description
	WBL-EBL SIGNING PLAN
	Sheet #
	L14



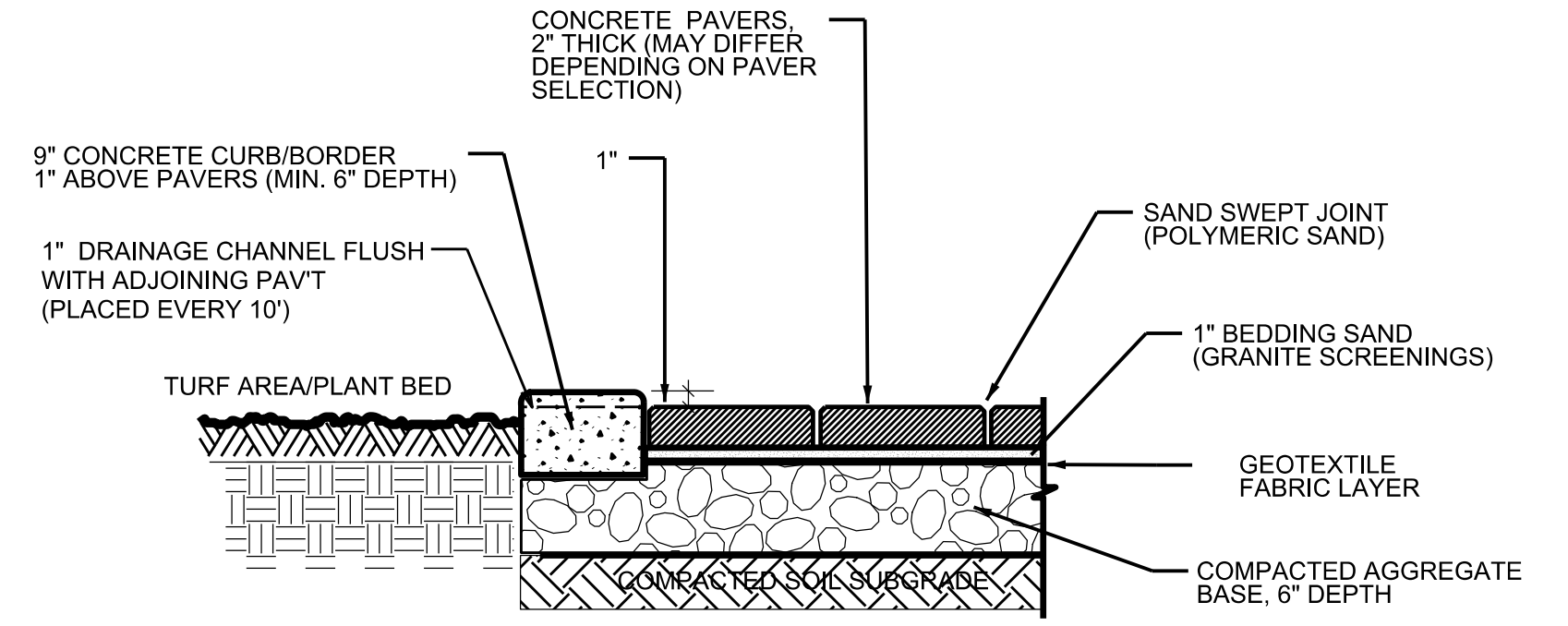
CONCRETE PAVER PATTERN
CP2 LD1 nts

VENDING PATIO AREA
WBL FACILITY
CP3 LD1 nts

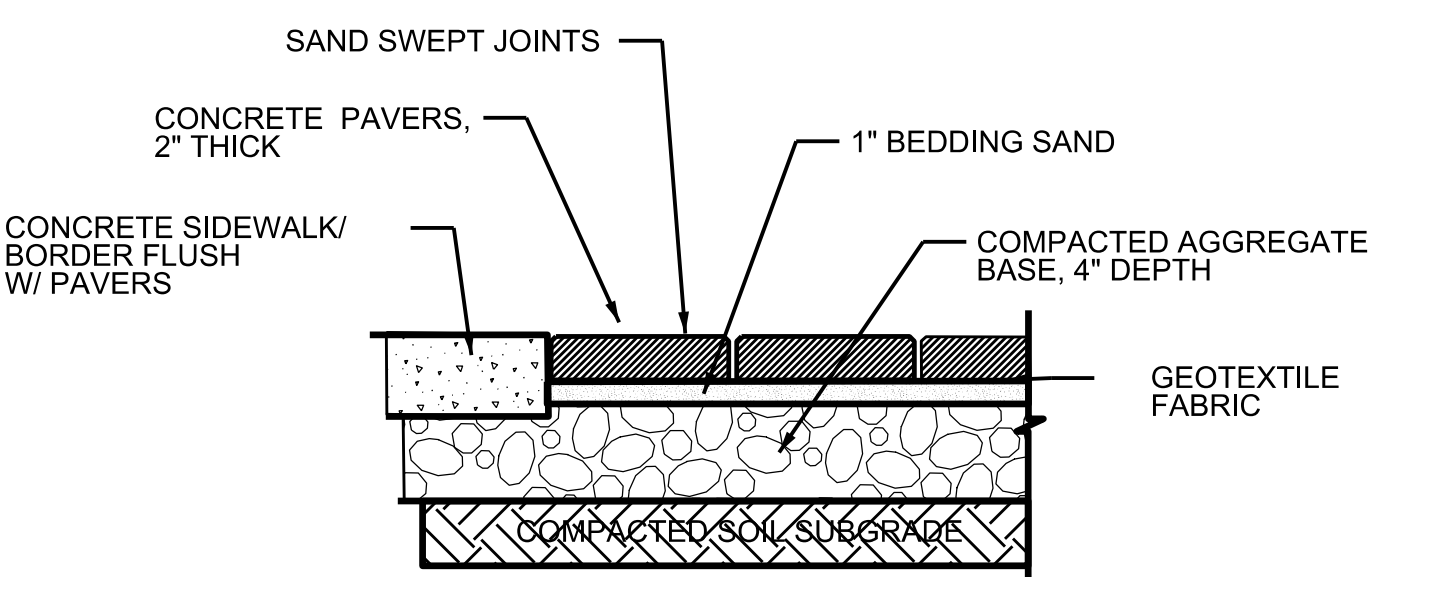


CONCRETE PAVER DETAIL C
PATIO- WALL OFFSET IN PLANT BED
CP5 LD1 nts

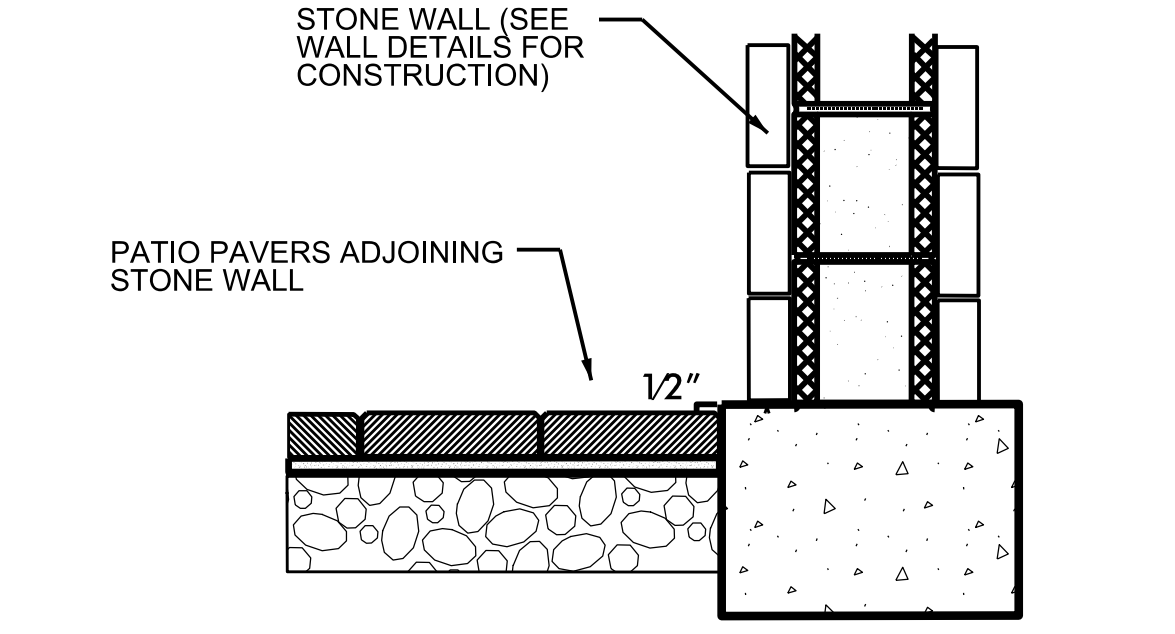
- GENERAL NOTES:
- 1) SIDEWALK AS SPECIFIED BY SITE/HARDSCAPE PLANS.
 - 2) CONCRETE PAVER AREA AS SHOWN WITH 9" CAST IN PLACE CONCRETE BORDER. PAVERS TO BE A BLEND & COLOR AND SIZE AS SPECIFIED.
 - 3) STANDARD 4" THICK CONCRETE SIDEWALK; CONTROL AND EXPANSION JOINTS AS SHOWN ON PLANS.



CONCRETE PAVER DETAIL A
CONCRETE CURB DETAIL
CP1 LD1 NTS



CONCRETE PAVER DETAIL B
CP4 LD1 nts



CONCRETE PAVER DETAIL D
PAVER ADJOINING WALL DETAIL
CP6 LD1 nts