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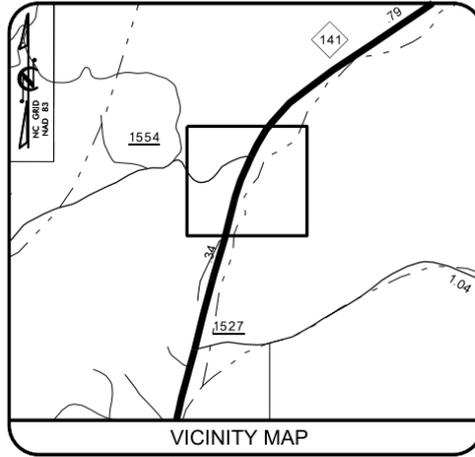
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STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CHEROKEE COUNTY

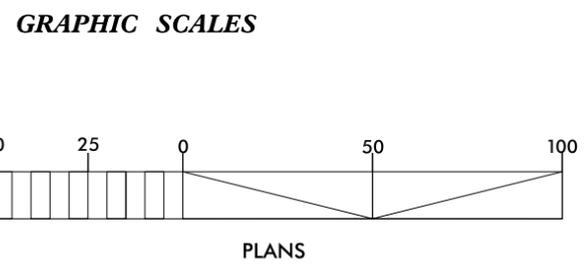
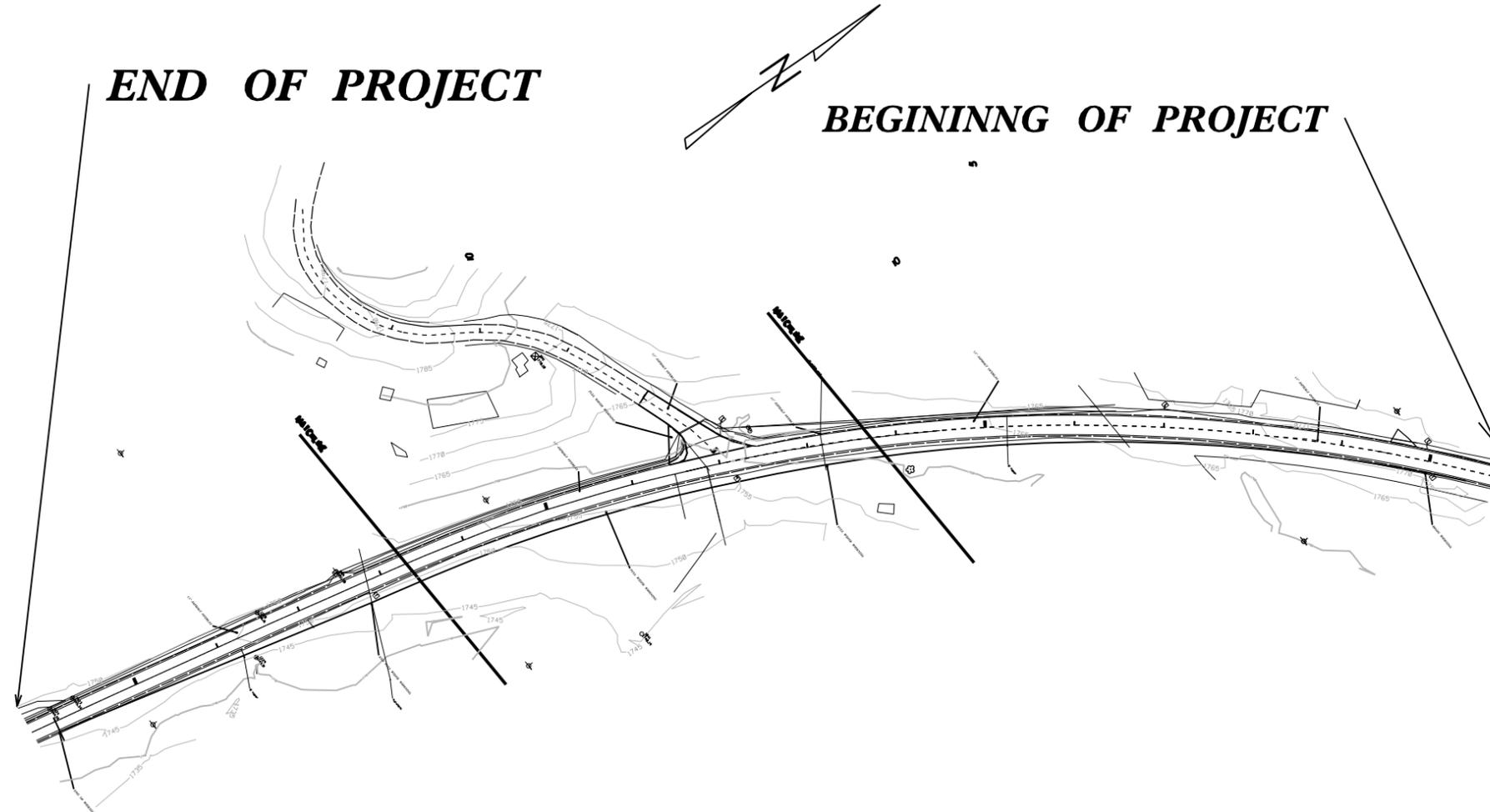
STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	WBS#: 43996.3.1	1	
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	



LOCATION: NC 141 BEGINNING 0.09 MILES NORTH OF THE INTERSECTION OF NC 141 AND SR 1554. CONTINUING SOUTH ON NC 141 FOR 0.25 MILES

TYPE OF WORK: COMPACTED AGGREGATE BASE COURSE, ASPHALT, PAVEMENT MARKINGS, TRAFFIC CONTROL,

CONTRACT: DN00449 PROJECT: WBS#: 43996.3.1



PROJECT LENGTH

TOTAL LENGTH STATE PROJECT = .30 MILES

Prepared In the Office of:
DIVISION OF HIGHWAYS
191 Robbinsville Rd., Andrews, NC 28901

2012 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE: WESLEY GRINDSTAFF, P.E.
PROJECT ENGINEER

LETTING DATE: PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: _____ P.E.

ROADWAY DESIGN ENGINEER

SIGNATURE: _____ P.E.



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

INDEX OF SHEETS

1	TITLE SHEET
1-A	INDEX OF SHEETS, GENERAL NOTES AND LIST OF STANDARDS
2	CONVENTIONAL SYMBOLS
3-3B	TYPICAL SECTION, PAVEMENT SCHEDULE
4-6	PLAN SHEET
PMP-1- PMP-4	PAVEMENT MARKING PLANS

GENERAL NOTES

GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012

- 1 CARE SHALL BE TAKEN TO PREVENT DAMAGE TO EXISTING UTILITIES DURING CONSTRUCTION. ANY DAMAGE TO THESE UTILITIES SHALL BE REPAIRED AT THE CONTRACTOR'S EXPENSE.
- 2 THE CONTRACTOR SHALL MAINTAIN THE SITE IN A MANNER SO THAT WORKMEN AND PUBLIC SHALL BE PROTECTED FROM INJURY.
- 3 UTILITIES ON THIS PROJECT ARE:
TELEPHONE- FRONTIER COMMUNICATIONS
FIBER- BALSAM WEST FIBER
POWER- DUKE ENERGY
- 4 NO SUBSURFACE PLANS ARE AVIABLE ON THIS PROJECT. CONTRACTOR SHOULD MAKE HIS OWN INVESTIGATION

LIST OF ROADWAY STANDARDS

2012 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 17, 2012 and the latest revision thereto are applicable to this project and by reference hereby are considered a part of these plans.

STD. NO.	TITLE
DIVISION 3 - PIPE CULVERTS	
300.01	Method of Pipe Installation
DIVISION 8 - INCIDENTALS	
840.31	Concrete Junction Box - 12" thru 66" Pipe
852.01	Concrete Islands
DIVISION 11 - WORK ZONE TRAFFIC CONTROL	
1110.01	Stationary Work Zone Signs
1110.02	Portable Work Zone Signs
1150.01	Flagging Devices
DIVISION 12 - PAVEMENT MARKERS AND DELINEATION	
1205.05	Turn Lanes
DIVISION 16 - EROSION CONTROL AND ROADSIDE DEVELOPMENT	
1605.01	Temporary Silt Fence
1632.02	Rock Inlet Sediment Trap Type A

STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

CONVENTIONAL PLAN SHEET SYMBOLS

Note: Not to Scale

*S.U.E. = Subsurface Utility Engineering

04/16/11

BOUNDARIES AND PROPERTY:

State Line	-----
County Line	-----
Township Line	-----
City Line	-----
Reservation Line	-----
Property Line	-----
Existing Iron Pin	⊙
Property Corner	-----
Property Monument	⊠
Parcel/Sequence Number	Ⓣ
Existing Fence Line	-x-x-x-
Proposed Woven Wire Fence	○
Proposed Chain Link Fence	⊠
Proposed Barbed Wire Fence	◇
Existing Wetland Boundary	W.B.
Proposed Wetland Boundary	W.B.
Existing Endangered Animal Boundary	E.A.B.
Existing Endangered Plant Boundary	E.P.B.
Known Soil Contamination: Area or Site	☠ ☠
Potential Soil Contamination: Area or Site	☠ ?

BUILDINGS AND OTHER CULTURE:

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

HYDROLOGY:

Stream or Body of Water	-----
Hydro, Pool or Reservoir	⊠
Jurisdictional Stream	JS
Buffer Zone 1	BZ 1
Buffer Zone 2	BZ 2
Flow Arrow	←
Disappearing Stream	→
Spring	⊙
Wetland	W.B.
Proposed Lateral, Tail, Head Ditch	-----
False Sump	⊠

RAILROADS:

Standard Gauge	-----
RR Signal Milepost	⊙
Switch	⊠
RR Abandoned	-----
RR Dismantled	-----

RIGHT OF WAY:

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

ROADS AND RELATED FEATURES:

Existing Edge of Pavement	-----
Existing Curb	-----
Proposed Slope Stakes Cut	-----
Proposed Slope Stakes Fill	-----
Proposed Curb Ramp	Ⓢ
Existing Metal Guardrail	-----
Proposed Guardrail	-----
Existing Cable Guiderail	-----
Proposed Cable Guiderail	-----
Equality Symbol	⊕
Pavement Removal	⊠

VEGETATION:

Single Tree	⊙
Single Shrub	⊙
Hedge	-----
Woods Line	-----

Orchard	⊙
Vineyard	⊠

EXISTING STRUCTURES:

MAJOR:	
Bridge, Tunnel or Box Culvert	CONC
Bridge Wing Wall, Head Wall and End Wall	CONC WW
MINOR:	
Head and End Wall	CONC HW
Pipe Culvert	-----
Footbridge	-----
Drainage Box: Catch Basin, DI or JB	CB
Paved Ditch Gutter	-----
Storm Sewer Manhole	⊙
Storm Sewer	S

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	⊙
Recorded U/G Power Line	P
Designated U/G Power Line (S.U.E.*)	P

TELEPHONE:

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

WATER:

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

TV:

TV Satellite Dish	⊙
TV Pedestal	⊠
TV Tower	⊙
U/G TV Cable Hand Hole	⊙
Recorded U/G TV Cable	TV
Designated U/G TV Cable (S.U.E.*)	TV
Recorded U/G Fiber Optic Cable	TV FO
Designated U/G Fiber Optic Cable (S.U.E.*)	TV FO

GAS:

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

SANITARY SEWER:

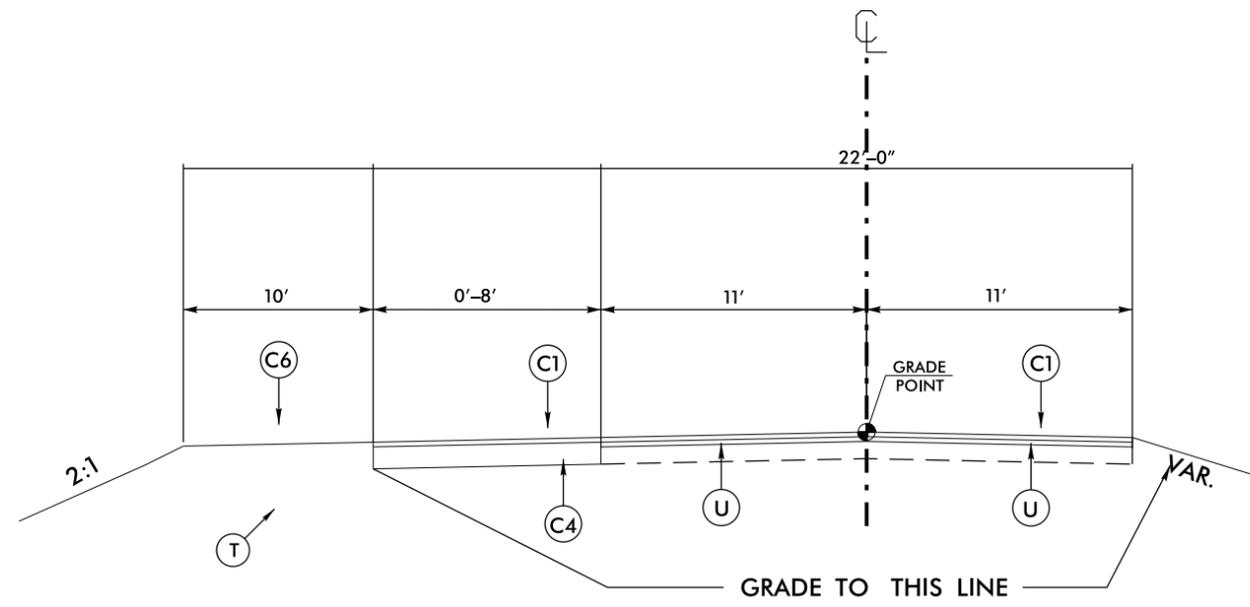
Sanitary Sewer Manhole	⊙
Sanitary Sewer Cleanout	⊙
U/G Sanitary Sewer Line	SS
Above Ground Sanitary Sewer	A/G Sanitary Sewer
Recorded SS Forced Main Line	FSS
Designated SS Forced Main Line (S.U.E.*)	FSS

MISCELLANEOUS:

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

PAVEMENT SCHEDULE			
(FINAL PAVEMENT DESIGN)			
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 168lbs/sy.	C5	PROP. APPROX. 3" ASPHALT CONCRETE BASE COURSE WEDGING TYPE, I-19 B AT AN AVERAGE RATE OF 342 lbs/sy
C2	PROP. APPROX. 3" I-19 B AT AN AVERAGE RATE OF 342 LBS/SY	C6	EARTH SHOULDER
C3	PROP APPROX. 8" AGGREGATE BASE COURSE	U	EXISTING PAVEMENT.
C4	PROP. APPROX. 11" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B AT AN AVERAGE RATE OF 1254 lbs/sy.	T	EARTH MATERIAL.

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



TYPICAL SECTION NO. 1
 -L- Sta 14+00 to Sta 18+75
 Sta 26+45 to 30+00

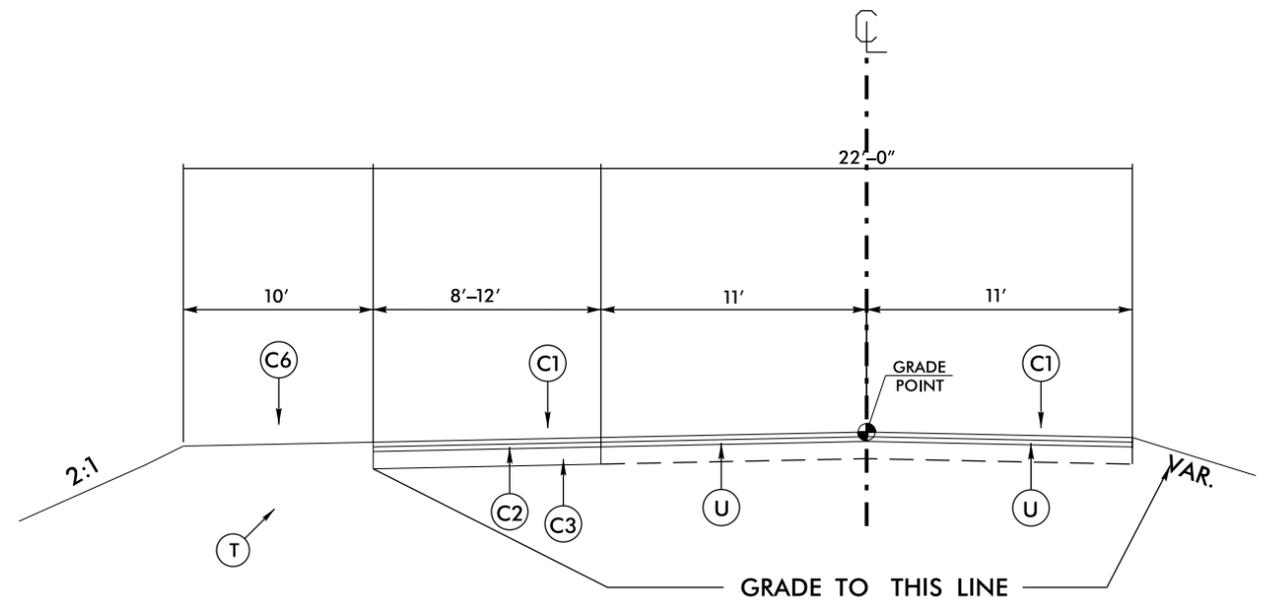
NOTE: PAVEMENT EDGE SLOPES ARE 1:1 UNLESS SHOWN OTHERWISE

6/2/99

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PAVEMENT SCHEDULE			
(FINAL PAVEMENT DESIGN)			
C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 168lbs/sy.	C5	PROP. APPROX. 3" ASPHALT CONCRETE BASE COURSE WEDGING TYPE, I-19 B AT AN AVERAGE RATE OF 342 lbs/sy
C2	PROP. APPROX. 3" I-19 B AT AN AVERAGE RATE OF 342 LBS/SY	C6	EARTH SHOULDER
C3	PROP APPROX. 8" AGGREGATE BASE COURSE	U	EXISTING PAVEMENT.
C4	PROP. APPROX. 11" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B AT AN AVERAGE RATE OF 1254 lbs/sy.	T	EARTH MATERIAL.

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



TYPICAL SECTION NO. 2

-L- Sta 18+75 to Sta. 26+45

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

6/2/99

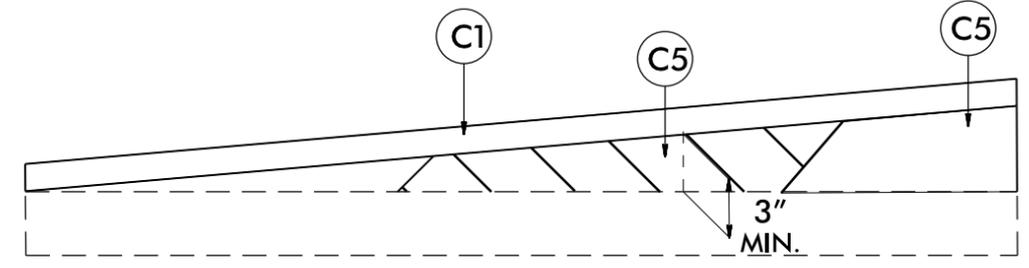
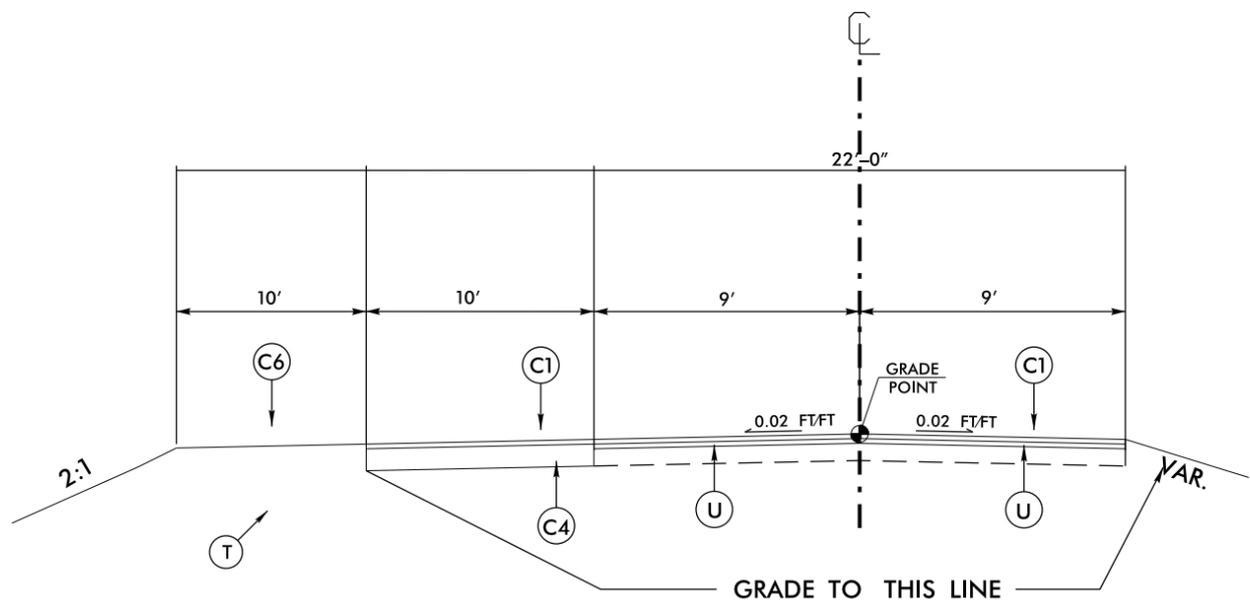
06-MAR-2015 08:27 S:\01st3\Cherok\NCL141.TURNLANE.Row\end Hill\odgn\TITLE SHEETS & MISC\nc 141.TURNLANE 43996.31 TYPICAL PAVEMENT SECTIONS.dgn

PAVEMENT SCHEDULE

(FINAL PAVEMENT DESIGN)

C1	PROP. APPROX. 1.5" ASPHALT CONCRETE SURFACE COURSE, TYPE S9.5B AT AN AVERAGE RATE OF 168lbs/sy.	C5	ASPHALT CONCRETE BASE COURSE WEDGING TYPE, I-19 B AT AN AVERAGE RATE OF 342 lbs/sy
C2	PROP. APPROX. 3" I-19 B AT AN AVERAGE RATE OF 342 LBS/SY	C6	EARTH SHOULDER
C3	PROP APPROX. 8" AGGREGATE BASE COURSE	U	EXISTING PAVEMENT.
C4	PROP. APPROX. 11" ASPHALT CONCRETE BASE COURSE, TYPE B25.0B AT AN AVERAGE RATE OF 1254 lbs/sy.	T	EARTH MATERIAL.

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



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

6/2/99
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NOTE: SUBGRADE & SHOULDER INSTALLATION BY OTHERS

**BEGIN PROJECT -L-
STA 14+00**

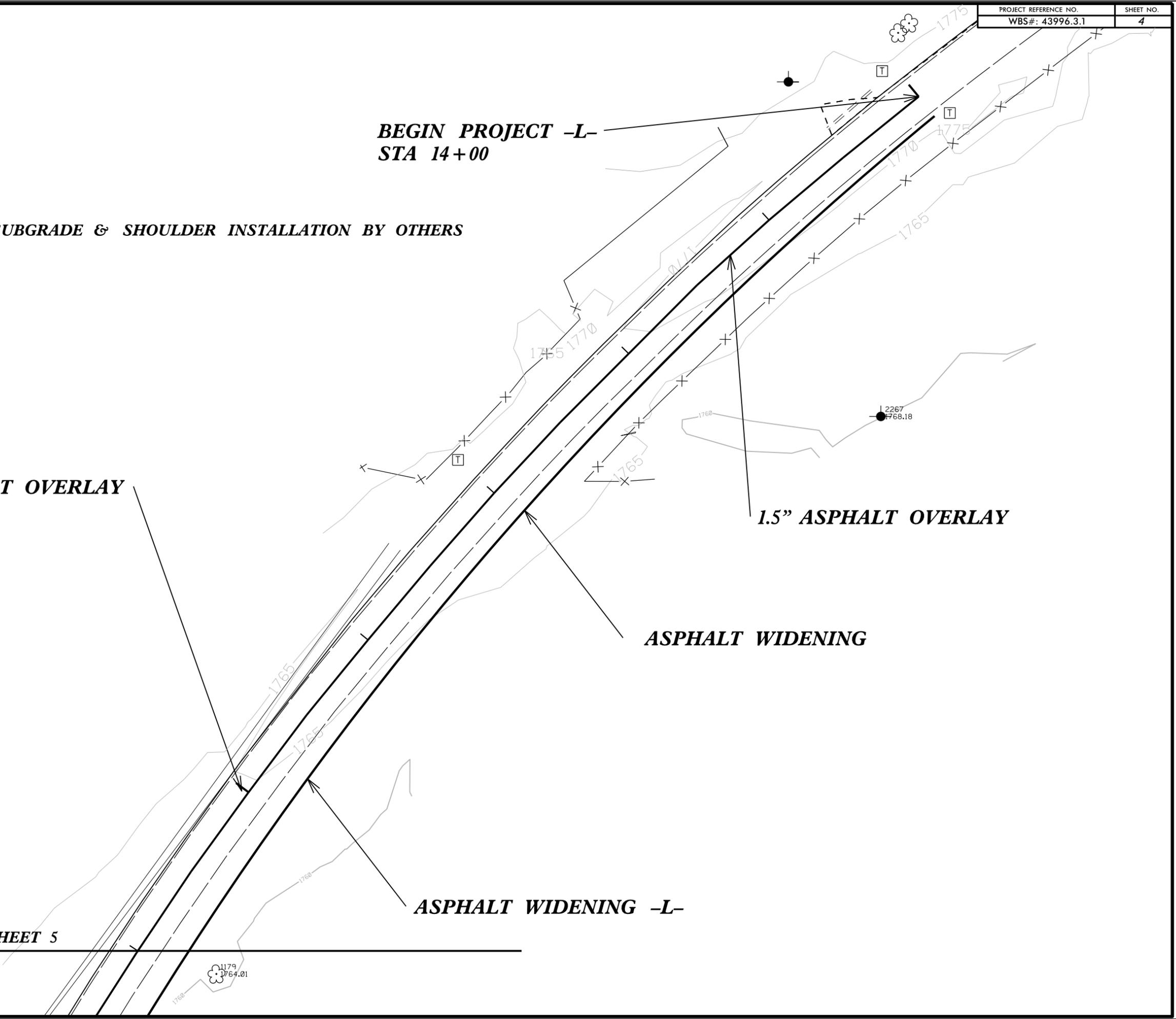
1.5" ASPHALT OVERLAY

1.5" ASPHALT OVERLAY

ASPHALT WIDENING

ASPHALT WIDENING -L-

MATCHLINE -L- 19+00 SEE SHEET 5



MATCHLINE -L- 19+00 SEE SHEET 5



1.5" ASPHALT OVERLAY

**END OF PROJECT -Y-
10+00**

1.5" ASPHALT OVERLAY

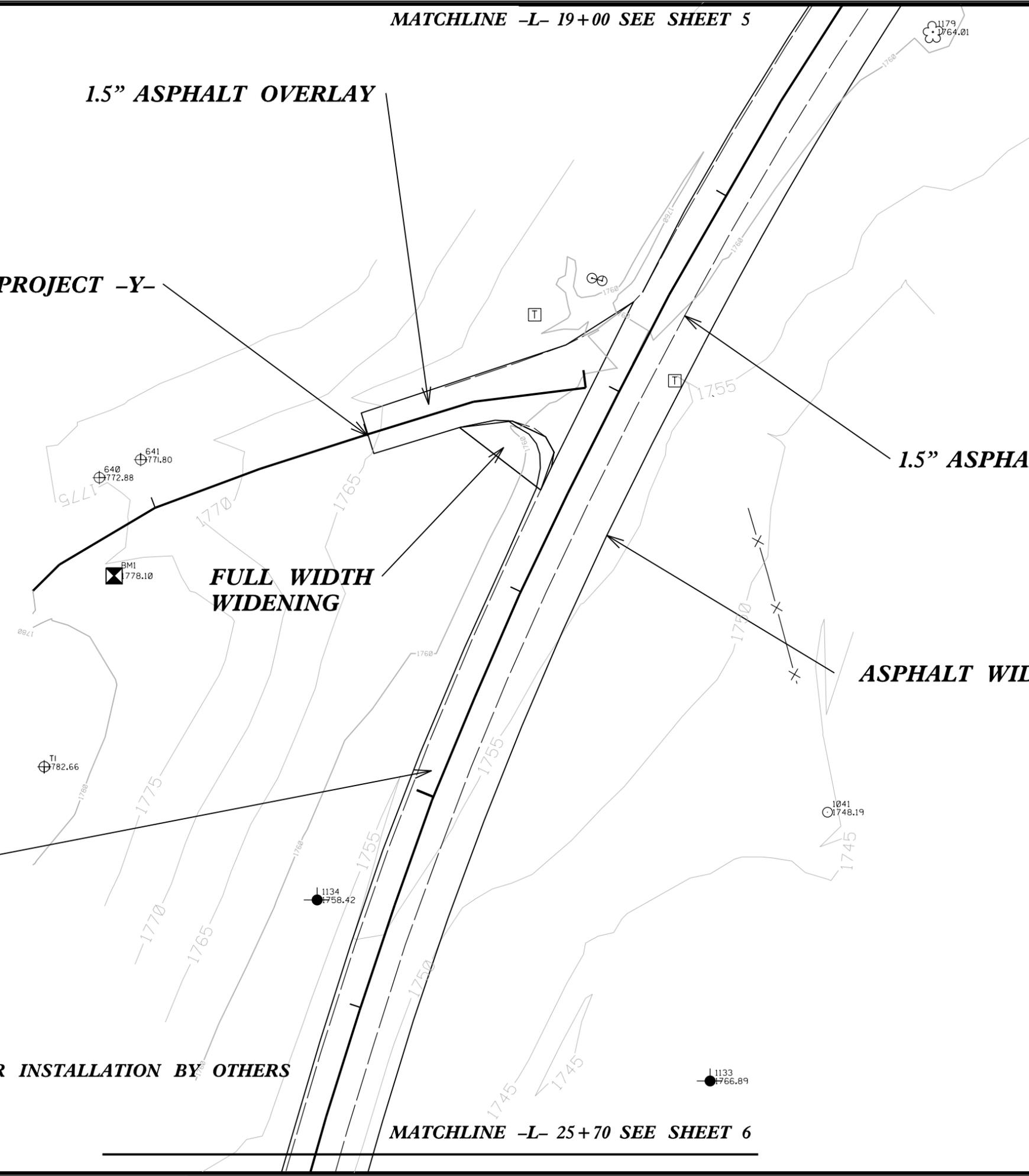
**FULL WIDTH
WIDENING**

ASPHALT WIDENING

1.5" ASPHALT OVERLAY

NOTE: SUBGRADE & SHOULDER INSTALLATION BY OTHERS

MATCHLINE -L- 25+70 SEE SHEET 6





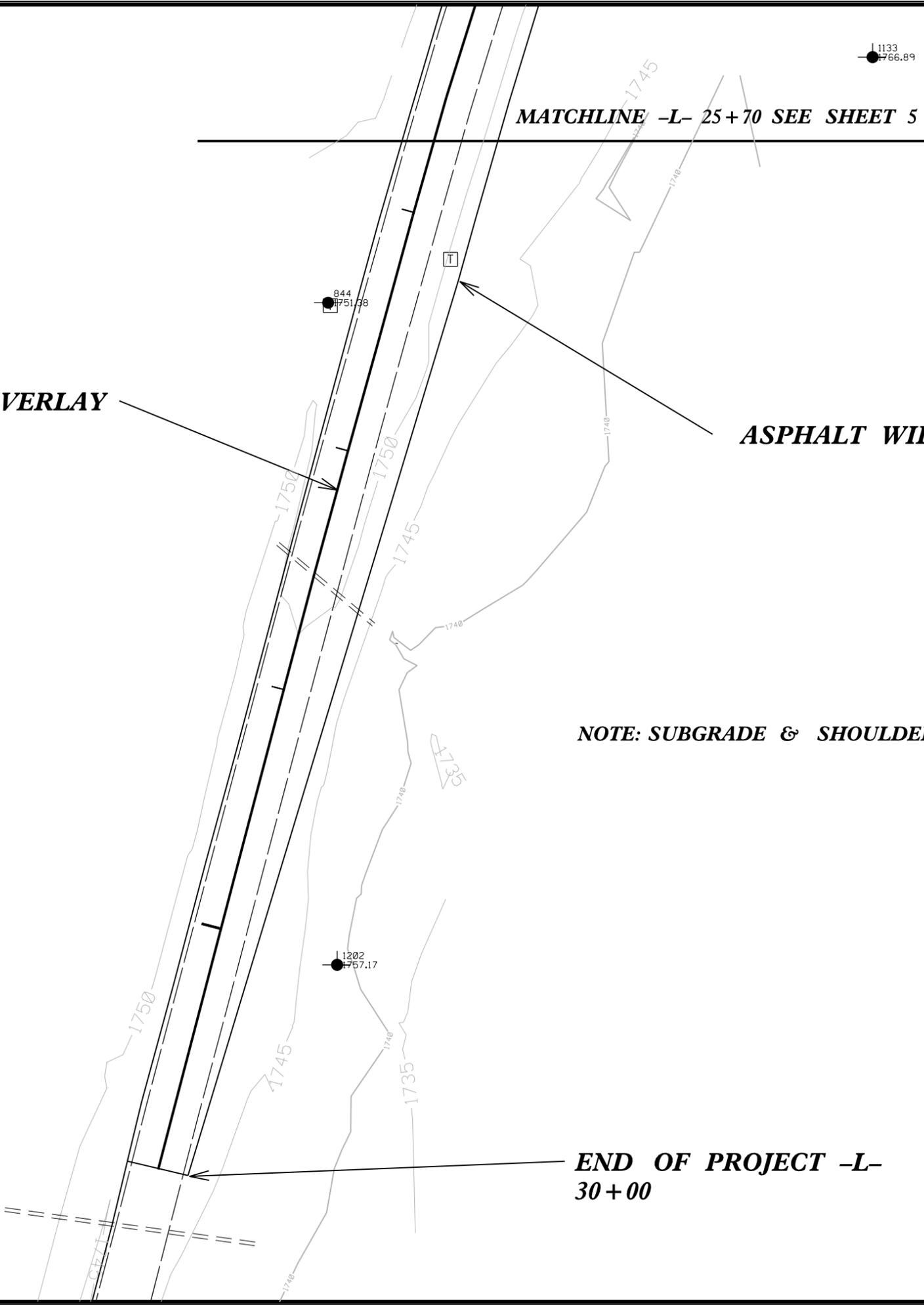
MATCHLINE -L- 25+70 SEE SHEET 5

1.5" ASPHALT OVERLAY

ASPHALT WIDENING

NOTE: SUBGRADE & SHOULDER INSTALLATION BY OTHERS

END OF PROJECT -L- 30+00



STATE OF NORTH CAROLINA
DIVISION OF HIGHWAYS

**PAVEMENT MARKING PLAN
CHEROKEE COUNTY**

STATE PROJECT REFERENCE NO. 43996.3.1	SHEET NO. PM-1
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**LOCATION: NC 141 BEGINNING 0.09 MILES NORTH OF THE
INTERSECTION OF NC 141 AND SR 1554
CONTINUING SOUTH ON NC 141 FOR 0.25 MILES**

PROJECT: 43996.3.1

PROJECT: 43996.3.1

CONTRACT: DN00449

GENERAL NOTES

GENERAL NOTES: 2012 SPECIFICATIONS
EFFECTIVE: 01-17-2012

THE FOLLOWING GENERAL NOTES APPLY AT ALL TIMES FOR THE DURATION OF THE CONSTRUCTION PROJECT, EXCEPT WHEN OTHERWISE NOTED IN THE PLANS, OR DIRECTED BY THE ENGINEER.

A INSTALL PAVEMENT MARKINGS AND PAVEMENT MARKERS ON THE FINAL SURFACE AS FOLLOWS:

ROAD NAME	MARKING	MARKER
NC 141	PAINT	SNOWPLOWABLE

B TIE PROPOSED PAVEMENT MARKING LINES TO EXISTING PAVEMENT MARKING LINES.

C REMOVE/REPLACE ANY CONFLICTING/DAMAGED PAVEMENT MARKINGS AND MARKERS.

D PASSING ZONES WILL BE DETERMINED IN THE FIELD AND MUST BE APPROVED BY THE ENGINEER.

LIST OF ROADWAY STANDARDS

2012 ROADWAY STANDARD DRAWINGS

The following Roadway Standards as appear in "Roadway Standard Drawings" - Highway Design Branch - N.C. Department of Transportation - Raleigh, N.C., dated January 17, 2012 and the latest revision thereto 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
1205.04	Pavement Markings - Intersections
1205.05	Pavement Markings - Turn Lanes
1205.08	Pavement Markings - Symbols and Word Messages
1205.13	Pavement Markings - New Interchanges and Intersections

LEGEND

PAVEMENT MARKINGS

 CRYSTAL/CRYSTAL PAVEMENT MARKER

 YELLOW/YELLOW PAVEMENT MARKER

 CRYSTAL/RED PAVEMENT MARKER

 PAVEMENT MARKING SYMBOL

4" WHITE LINE EDGE- PA

4" 3'-9" WHITE MIN SKIP- PD

8" WHITE GORE LINE- PE

4" DOUBLE YELLOW- PI

24" WHITE STOP BAR- PJ

Prepared In the Office of:
DIVISION 14 DISTRICT III
191 Robbinsville Rd., Andrews, NC 28901
2012 STANDARD SPECIFICATIONS



NOTE: SUBGRADE INSTALLATION BY OTHERS

**BEGIN PROJECT -L-
STA 14+00**

1.5" ASPHALT OVERLAY

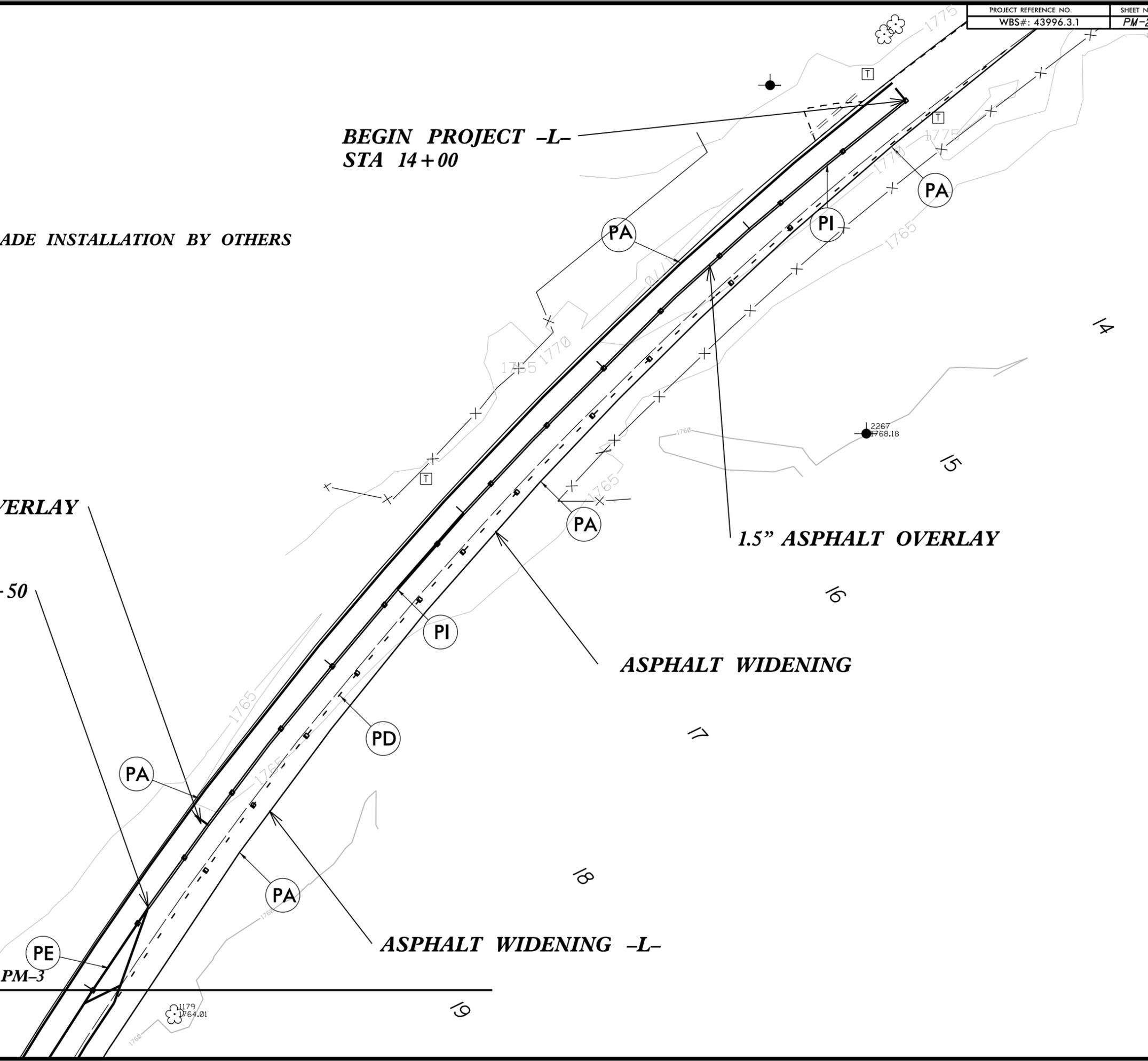
STA. 18+50

1.5" ASPHALT OVERLAY

ASPHALT WIDENING

ASPHALT WIDENING -L-

MATCHLINE -L- 19+00 SEE SHEET PM-3



MATCHLINE -L- 19+00 SEE SHEET PM-2



1.5" ASPHALT OVERLAY

-L- STA 21+90

END OF PROJECT -Y- 10+00

1.5" ASPHALT OVERLAY

FULL WIDTH WIDENING

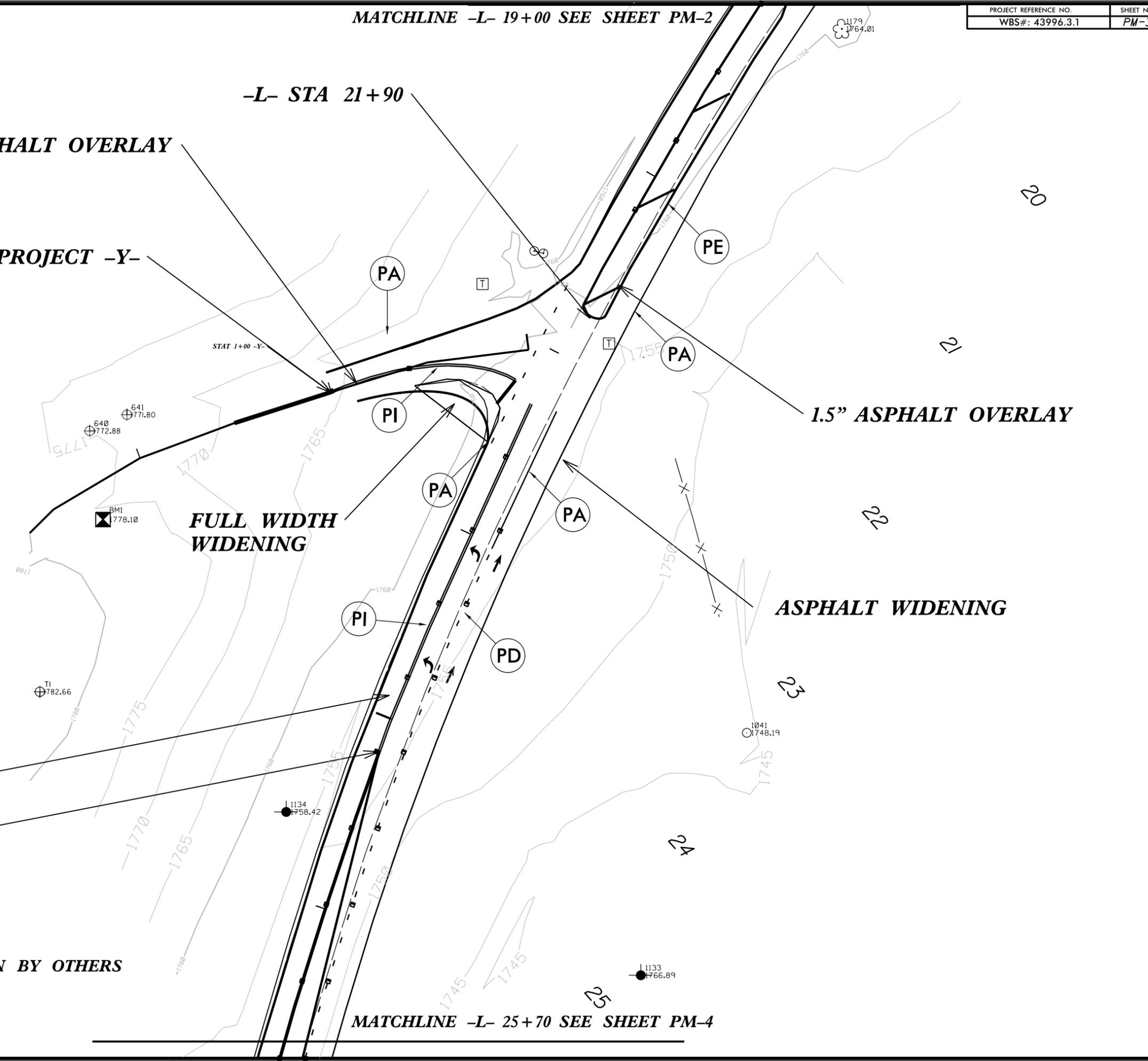
ASPHALT WIDENING

1.5" ASPHALT OVERLAY

-L- STA 24+25

NOTE: SUBGRADE INSTALLATION BY OTHERS

MATCHLINE -L- 25+70 SEE SHEET PM-4



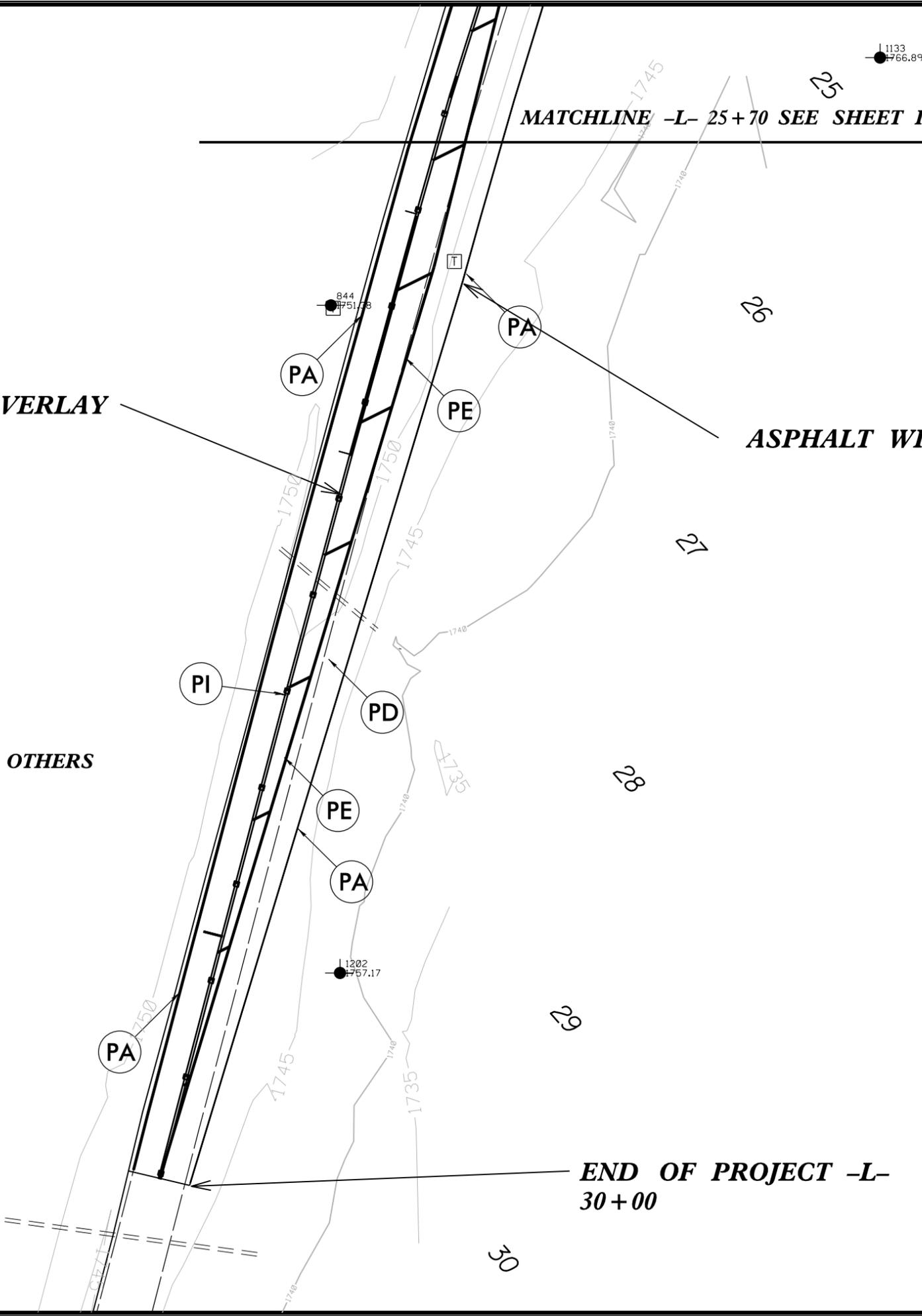


MATCHLINE -L- 25+70 SEE SHEET PM-3

1.5" ASPHALT OVERLAY

ASPHALT WIDENING

NOTE: SUBGRADE INSTALLATION BY OTHERS



END OF PROJECT -L- 30+00

1133
766.89

844
751.53

1202
757.17

26

27

28

29

30

1750

1750

1745

1740

1735

1750

1745

1740

1735

1745

1740

1740

1740