

TEXAS DEPARTMENT OF TRANSPORTATION – DALLAS DISTRICT

WILLIAM HALE, P.E. – DISTRICT ENGINEER

DESIGN SCHEMATIC

SH 121/DNT INTERCHANGE, COLLIN COUNTY

SH 121: FROM NORTH OF LEGACY DRIVE TO NORTH OF SH 289 (PRESTON ROAD), 2.16 MILES
DNT: FROM SOUTH OF LEGACY DRIVE TO NORTH OF GAYLORD PARKWAY, 1.84 MILES

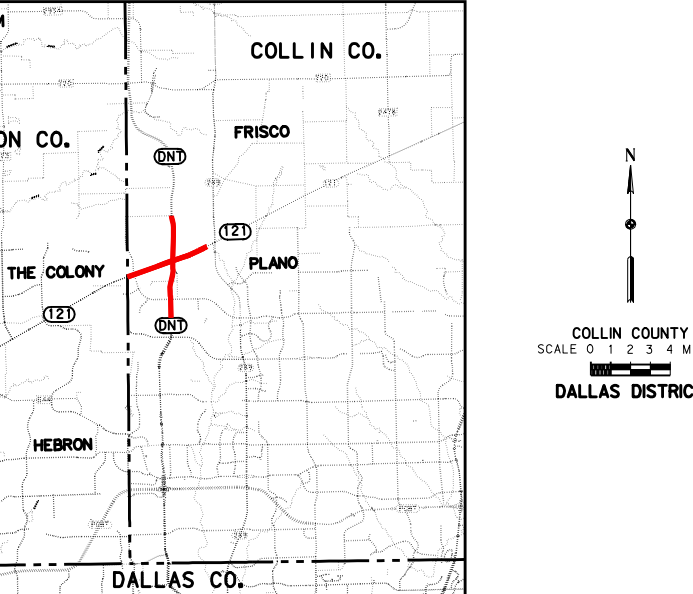
DESIGN SPEED

CSJ: 0364-04-07

HIGHWAY CLASSIFICATION

MAINLANES – 70 MPH (URBAN FREEWAY)
SLIP RAMP – 50 MPH (URBAN ARTERIAL)
DIRECT CONNECTORS – 45 MPH
FRONTAGE ROADS – 50 MPH
CROSS STREETS – 45 MPH

OTHER URBAN FREEWAY



COLLIN COUNTY
SCALE: 1" = 1 MILE
DALLAS DISTRICT

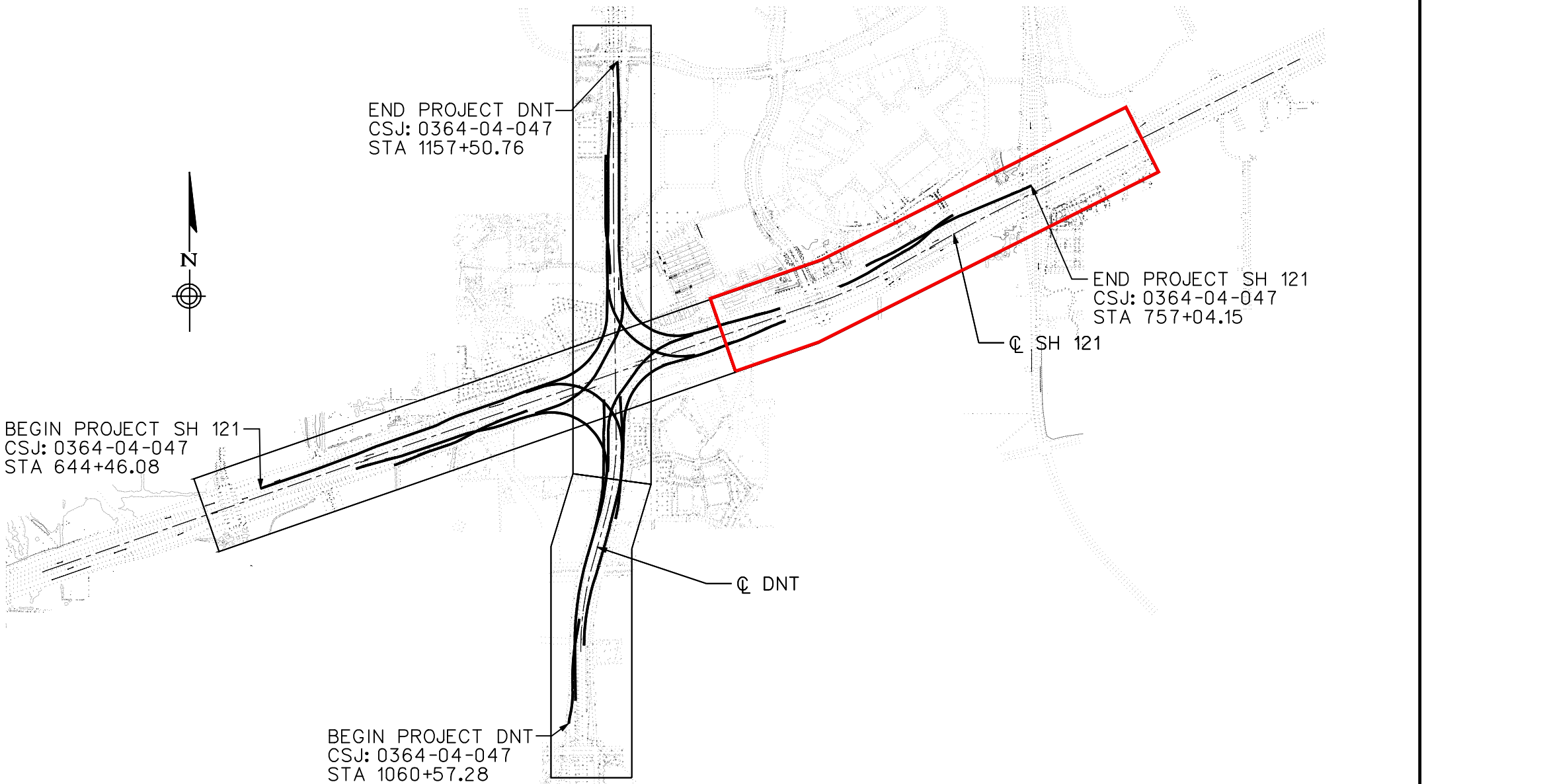
DATE APPROVED _____
DATE SUBMITTED _____
DATE REVISED _____

PREPARED BY HNTB
UNDER THE SUPERVISION OF:
CHRISTOPHER M. BERGERON, P.E.

NOT INTENDED FOR
CONSTRUCTION, BIDDING
OR PERMIT PURPOSES.

SERIAL NO. 72895
DATE: _____
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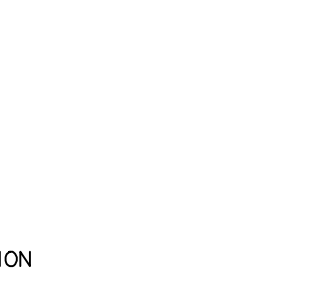


PLAN /PROFILE 2 of 4

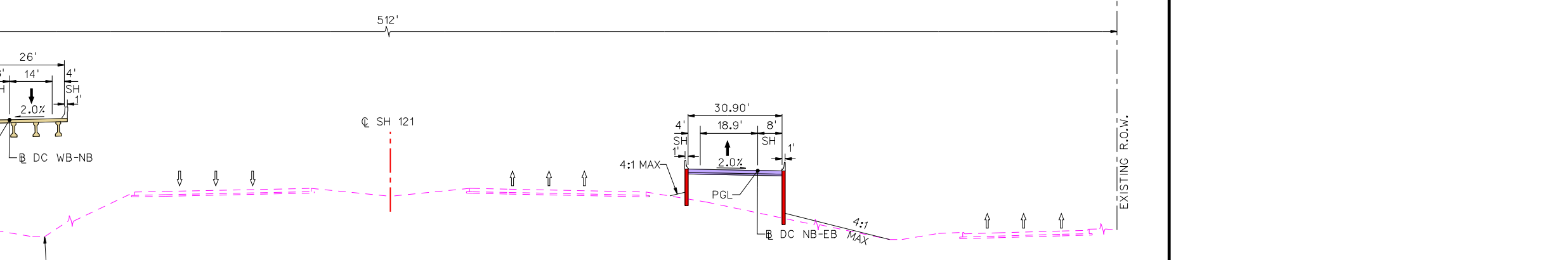
MAY 2008
ROLL 2 OF 11



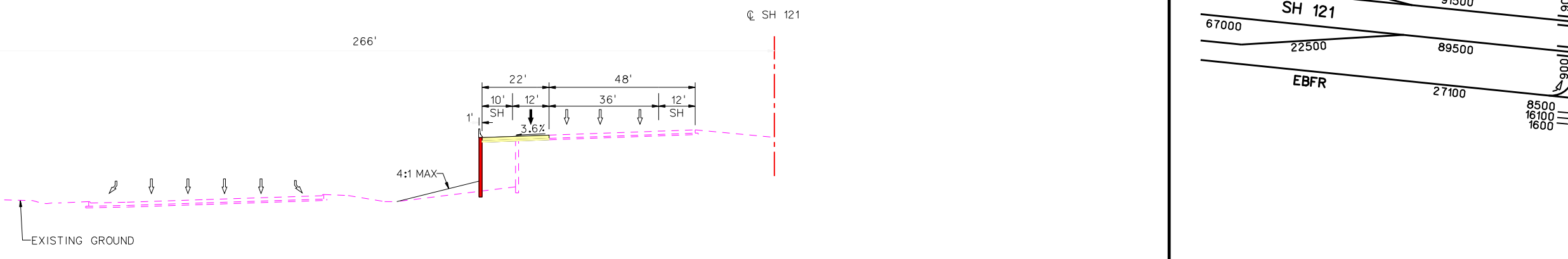
SLIP RAMP PROPOSED TYPICAL SECTION



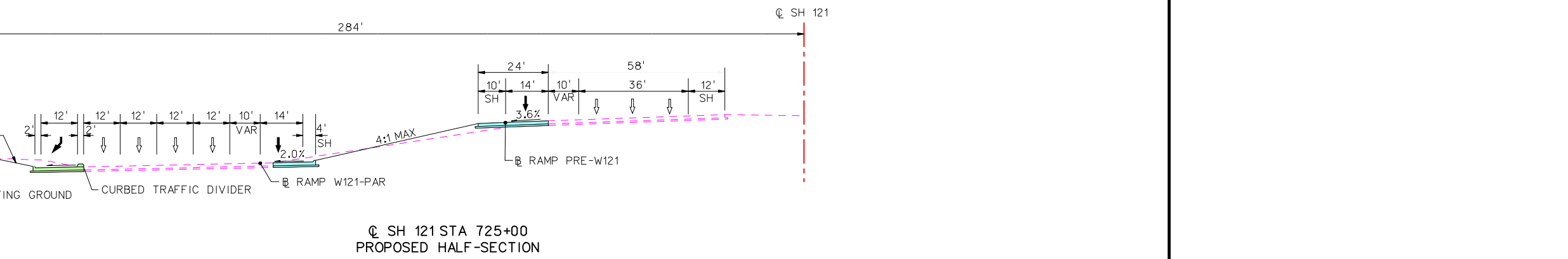
DIRECT CONNECTOR RAMP PROPOSED TYPICAL SECTION



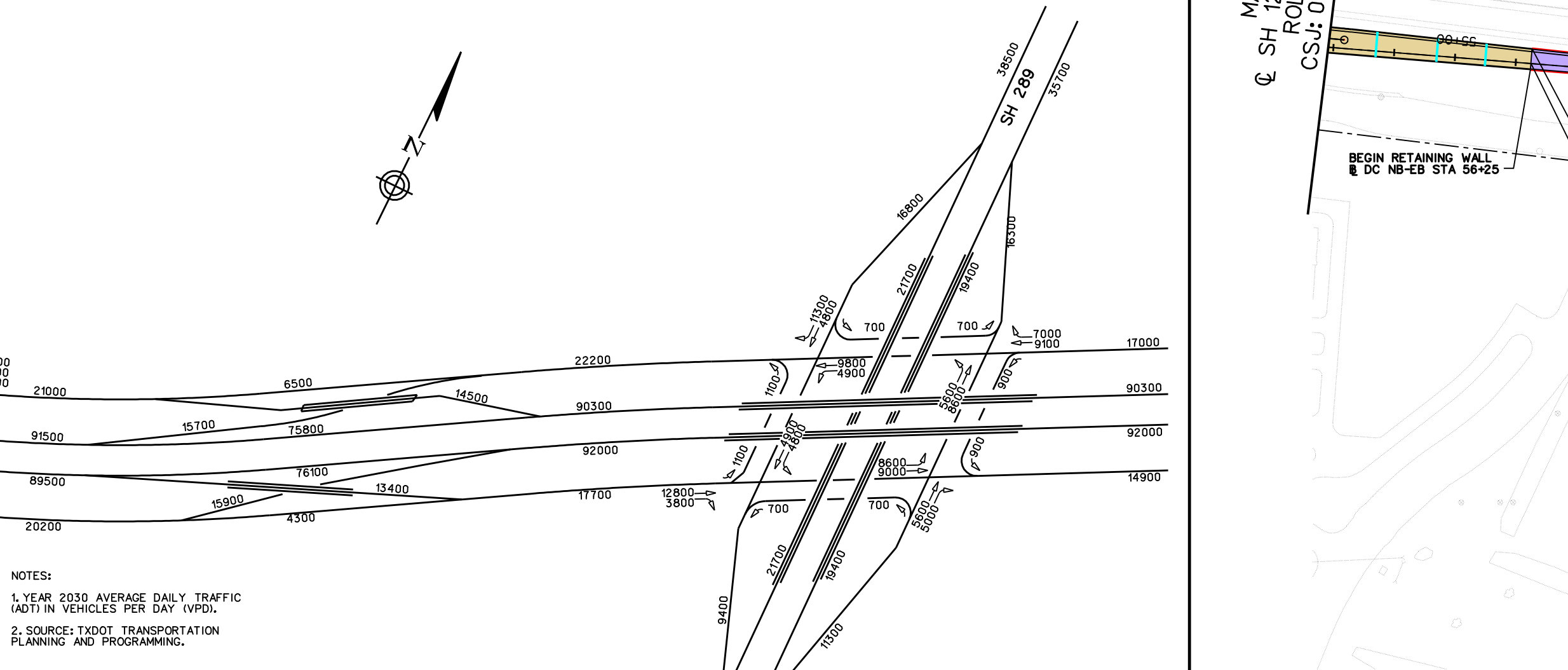
SH 121 STA 705+00
PROPOSED SECTION



SH 121 STA 720+00
PROPOSED HALF-SECTION



SH 121 STA 725+00
PROPOSED HALF-SECTION



TRAFFIC DIAGRAM
NOT TO SCALE

NOTES:
1. YEAR 2000 AVERAGE DAILY TRAFFIC (ADT) IN VEHICLES PER DAY (VPD).
2. SOURCE: 2000 TRANSPORTATION PLANNING AND PROGRAMMING.

CURVE	STATION	N	E	BEARING/ DELTA	LENGTH (FT)	TANGENT (FT)	RADIUS (FT)
DC NB-WB	PC 10+00.00	7,080,960.9387	2,484,801.6139	S 70° 50' 53.11" W	188.42	94.24	2,800.00
DCWB-NB-1	PI 10+04.24	7,080,930.0194	2,484,712.5853	S 71° 50' 53.11" W	188.42	94.24	2,800.00
PI	11+08.42	7,080,905.1585	2,484,621.6780	S 74° 42' 13.2" W			
PC	12+12.09	7,080,879.1683	2,484,530.4717	S 74° 42' 13.2" W			
DCWB-NB-2	PI 11+14.10	7,080,766.4752	2,484,114.6180	S 71° 50' 53.11" W	403.80	202.01	5,000.00
PI	12+15.80	7,080,697.6362	2,483,024.5857	S 70° 50' 53.11" W			
DC NB-EB	PC 64+13.42	7,085,715.2724	2,484,630.1176	N 68° 26' 54.8" E	111.02	56.52	2,800.00
DCWB-NB-4	PI 64+17.94	7,085,736.7686	2,484,694.2455	S 2° 23' 40.5" W			
PI	65+35.44	7,085,955.9752	2,484,739.8240	N 1° 00' 35.3" W			

WBFR	275.03' LT	275.03' LT	12° 32.44'
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