

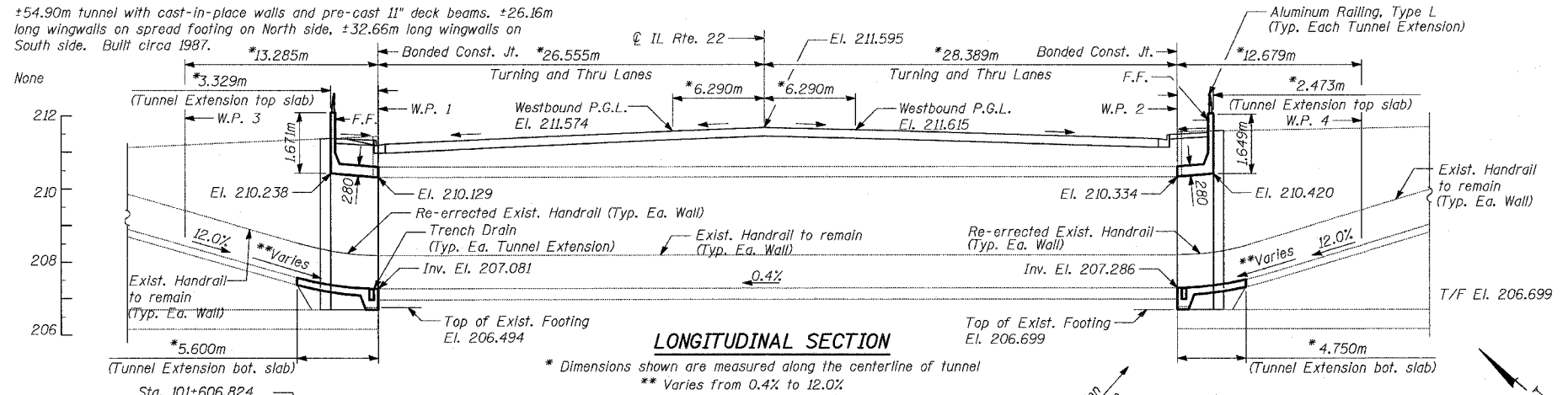
STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

FAP	SECTION	COUNTY	AREA	DATE	SHEET NO. /
337	20R-5	LAKE	562	436	7 SHEETS
D-91-552-99 Contract No. 60881					

Bench Mark: BM #208 - Set cross on the northerly bolt of a fire hydrant on the north side of Route 22. Approximately 106m west of entrance to Woodland Commons. Station: 101+767.35 19.20m Lt. El. 212.143m

Existing Structure: +54.90m tunnel with cast-in-place walls and pre-cast 11" deck beams. ±26.16m long wingwalls on spread footing on North side, ±32.66m long wingwalls on South side. Built circa 1987.

Salvage: None



TOTAL BILL OF MATERIAL

Item	Unit	TOTAL
Protective Coat	SQ M	20
Concrete Removal	CU M	43
Structure Excavation	CU M	14
Reinforcement Bars	KG	4,450
Aluminum Railing, Type L	METER	9
Removing and Re-erecting Existing Railing	METER	7
Concrete Box Culvert	CU M	32
Pipe Underdrains for Structures 150mm	METER	8
Pipe Underdrains for Structures 200mm	METER	9
Trench Drain	METER	8
Braced Excavation	CU M	80
Remove and Re-erect Existing Handrail	METER	25

GENERAL NOTES

Reinforcement bars shall conform to the requirements of AASHTO M31M, or M322M Grade 400

Plan dimensions and details relative to existing structure have been taken from existing plans and are subject to nominal construction variations. It shall be the Contractor's responsibility to verify such dimensions and details in the field and make necessary approved adjustments prior to construction or ordering of materials. Such variations shall not be cause for additional compensation for a change in the scope of the work, however, the Contractor will be paid for the quantity actually furnished at the unit price bid for the work.

Exposed edges shall be beveled 19mm

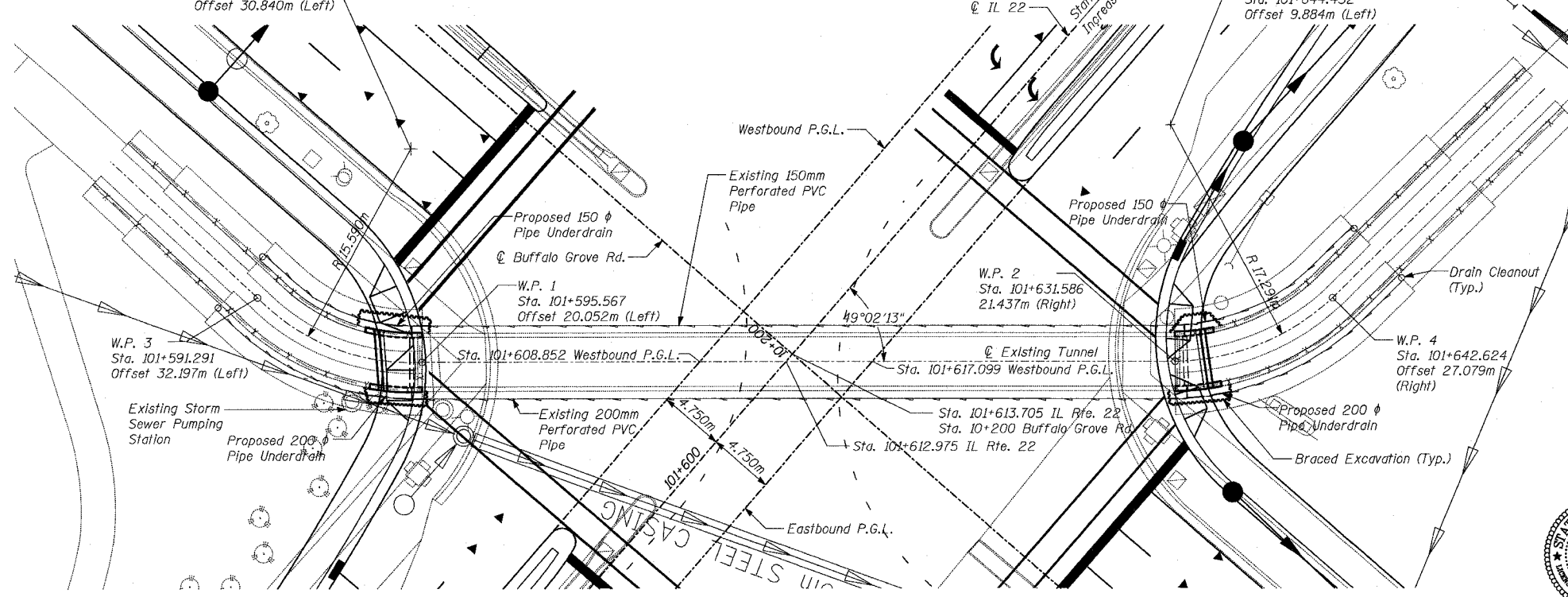
All construction joints shall be bonded

All dimensions are in millimeters (mm) except as noted.

Tunnel extensions at both ends to be constructed from December 1 to March 1 only.

Connect the Trench Drain to the existing drainage system.

Design Fill Height = 0.600m



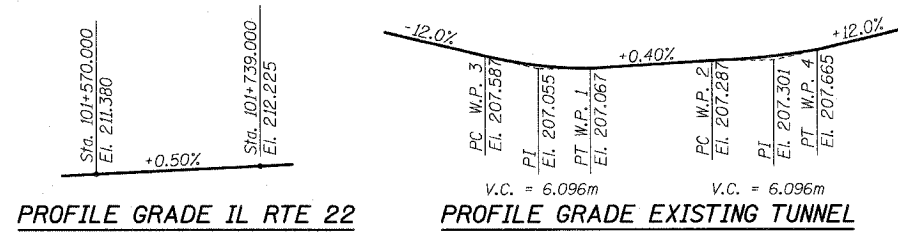
INDEX OF SHEETS

- GENERAL PLAN
- REMOVAL PLAN AND FENCE DETAIL
- TUNNEL EXTENSION - NORTH
- TUNNEL EXTENSION - SOUTH
- TUNNEL EXTENSION - DETAILS 1
- TUNNEL EXTENSION - DETAILS 2
- TYPE L ALUMINUM RAILING

Signed: Heather J. Gaffney, S.E. No. 081-004961 Expires 11-30-2004
Date: 3/12/04

TYLINT INTERNATIONAL

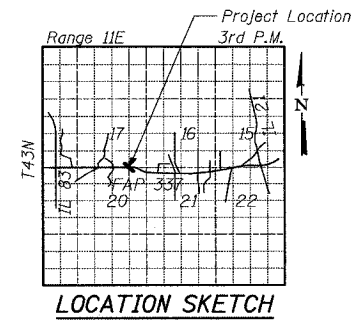
DESIGNED	MI, DJR
CHECKED	TD
DRAWN	DJR
CHECKED	TD, MI
DATE	03-22-2004



DESIGN SPECIFICATION
AASHTO 2002 Standard Specifications for Highway Bridges.

DESIGN STRESSES
FIELD UNITS
f'c = 24 MPa
fy = 420 MPa (Reinforcement)
Max. soil pressure under footing = 124 kPa

LOADING MS18 & ALT.
Allow 2.4 KN/m for future wearing surface.



GENERAL PLAN

IL ROUTE 22 OVER
PEDESTRIAN TUNNEL EXTENSION
FAP 337 SECTION 20R-5
LAKE COUNTY
STA. 101+613.705
S.N. 049-T017