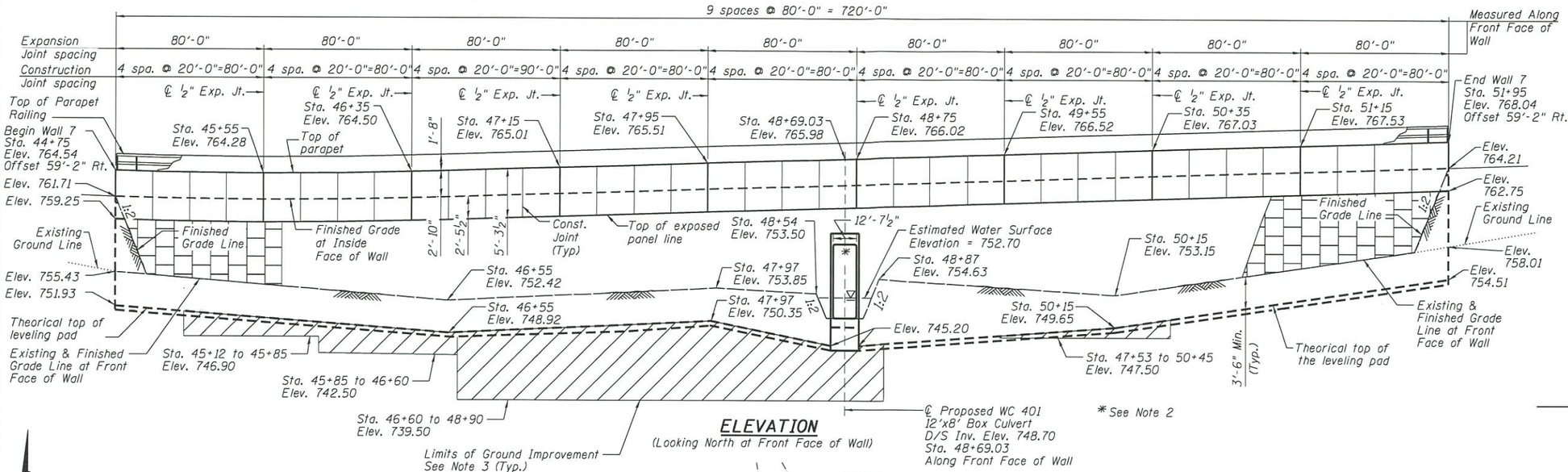
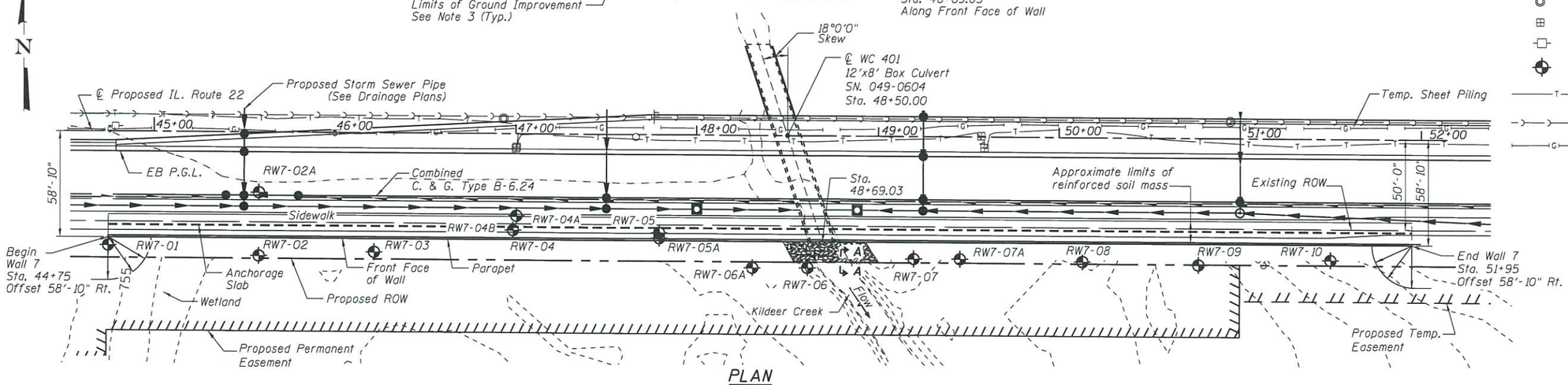
Bench Mark: P.K. Nail in ℄ of IL Rte. 22 at S. Krueger Rd. Intersection (Elev. 764.63)

Existing Structure: None

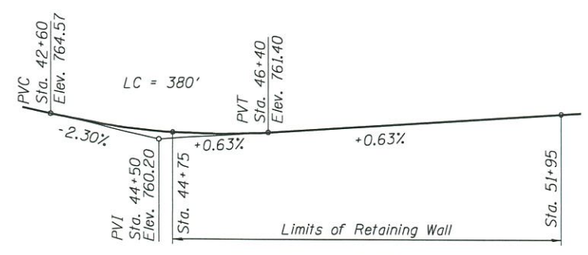
Traffic to be maintained using staged construction and temporary sheet piling.



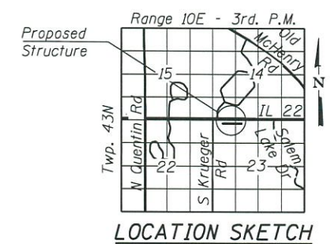
ELEVATION
(Looking North at Front Face of Wall)



PLAN



PROFILE GRADE
(Along ℄ IL 22)



LOCATION SKETCH

DESIGN SPECIFICATIONS
AASHTO LRFD Bridge Design Specifications, 8th Edition, 2017

DESIGN STRESSES
FIELD UNITS

f'c = 3,500 psi (Reinfroced Concrete)
fy = 60,000 psi (Reinforcement)

PRECAST UNITS

f'c = 4,500 psi (Precast Panel)

HIGHWAY CLASSIFICATION
F.A.P. Rte. 337 - IL Route 22
Functional Class: Other Principal Arterial
ADT: 14,800 (2015), 35,000 (2040)
ADTT: 1,190 (2015), 2,814 (2040)
DHV: 3,185 (2040)
Design Speed: 50 m.p.h.
Posted Speed: 45 m.p.h.
2-Way Traffic
Directional Distribution: 75:50

LEGEND
- Underground Storm Sewer Line
- Catch Basin
- Existing Manhole
- Exist. Cable TV Manhole Line
- Exist. Utility Power Pole
- Soil Boring Location
- Existing Telephone Line
- Existing Sewer Line
- Existing Underground Gas Line

Notes:

1. Wall offsets are measured from the ℄ of IL. Rte. 22 to the front face of wall.
2. See Box Culvert SN 049-0604 Plans for Details.
3. See Sheet 2 for Section A-A.
4. Riprap pay item included with SN 049-0604
5. The limits of the Ground Improvement are based on soil boring data. The extent of the Ground Improvement to be verified in the field (See Roadway Plans).

APPROVED
JAN 3 2019
AS A BASIS FOR PREPARATION OF DETAILED PLANS

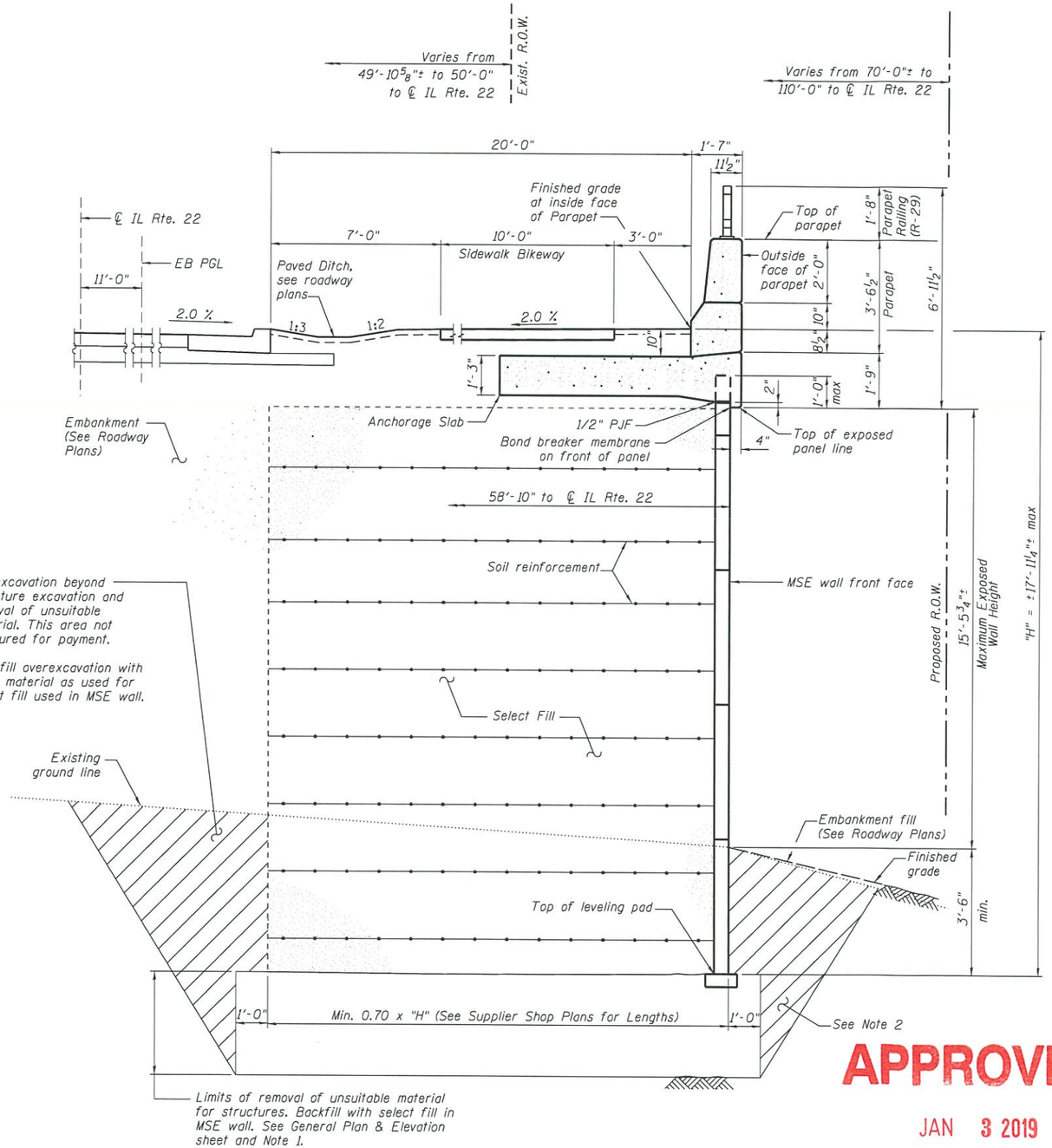
GENERAL PLAN & ELEVATION
RETAINING WALL NO. 7
ILLINOIS ROUTE 22
F.A.P. RTE. 337 - SEC 20-Y
LAKE COUNTY
STA. 44+75 TO STA. 51+95
STRUCTURE No. 049-W055

Primera 300 S. WACKER DRIVE SUITE 700, CHICAGO IL 60606	USER NAME =	DESIGNED - JPM	REVISED
		CHECKED - MMH/MMZ	REVISED -
	PLOT SCALE =	DRAWN - MPS/PY	REVISED -
	PLOT DATE = $DATE$	CHECKED - MMH/MMZ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 2 SHEETS

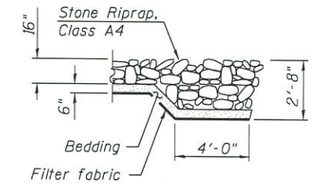
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20-Y	LAKE		
		CONTRACT NO. 60N10		
		ILLINOIS FED. AID PROJECT		



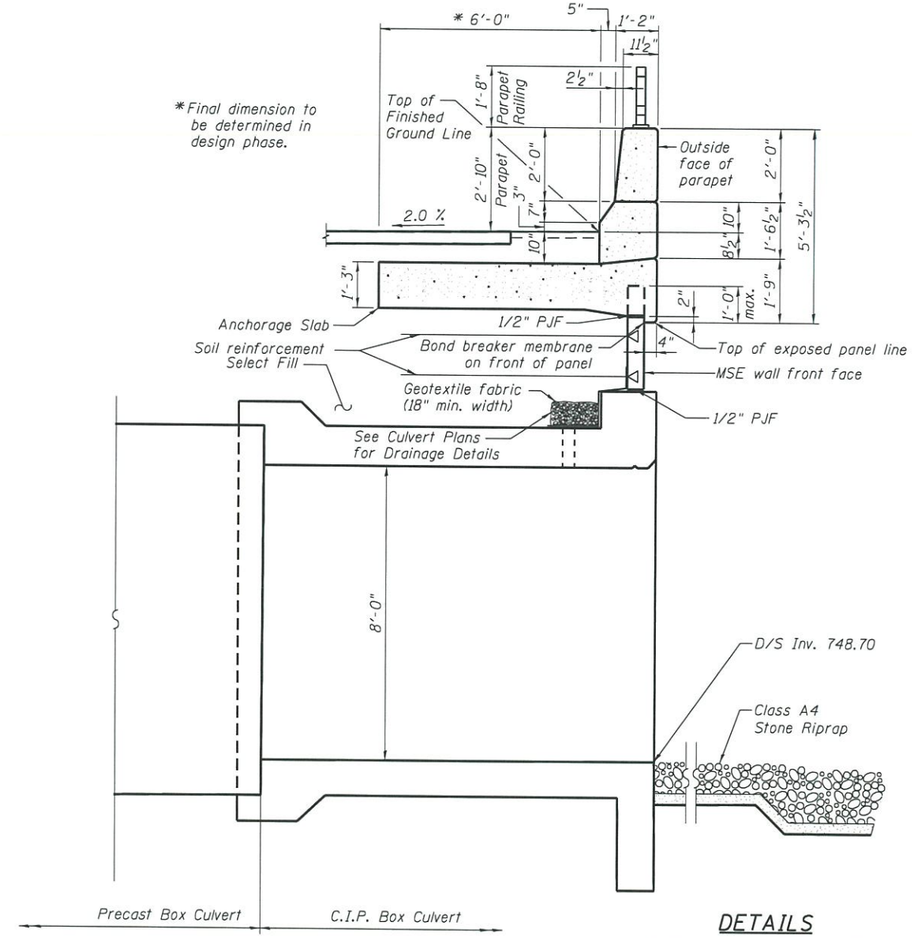
Notes:
1. Overexcavation beyond structure excavation and removal of unsuitable material. This area not measured for payment.
2. Backfill overexcavation with same material as used for select fill used in MSE wall.

TYPICAL SECTION THRU MSE WALL

(Looking East)



SECTION A-A



SECTION THRU ANCHORAGE SLAB/PARAPET & CULVERT WC 401

The M.S.E. wall supplier's internal stability design shall account for the anchorage slab's bearing pressure surcharge of 1.0 ksf and horizontal bearing pressure of 0.5 kips/ft. of wall.

APPROVED

JAN 3 2019

AS A BASIS FOR PREPARATION OF DETAILED PLANS

DETAILS
RETAINING WALL NO. 7
ILLINOIS ROUTE 22
F.A.P. RTE. 337 - SEC 20-Y
LAKE COUNTY
STA. 44+75 TO STA. 51+95
STRUCTURE No. 049-W055

Primera	USER NAME =	DESIGNED - JPM	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MSE WALL DETAILS STRUCTURE NO. 049-W055	F.A.P. RTE. 337	SECTION 20-Y	COUNTY LAKE	TOTAL SHEETS / SHEET NO.
		CHECKED - MMH/MMZ	REVISED -					CONTRACT NO. 60N10	
	PLOT SCALE =	DRAWN - MPS/PY	REVISED -						
	PLOT DATE = $DATE$	CHECKED - MMH/MMZ	REVISED -		SHEET NO. 2 OF 2 SHEETS		ILLINOIS FED. AID PROJECT		