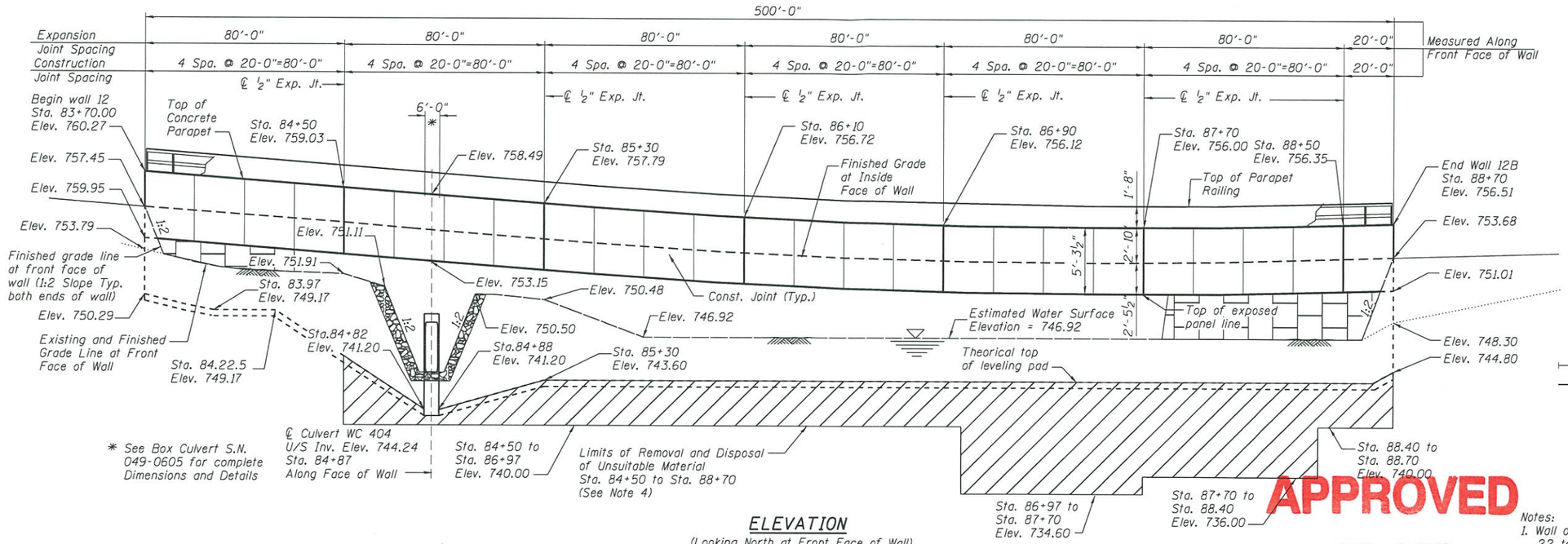
Bench Mark: CP #20 P.K. Nail in Painted Median at West End of Area Approximate Sta. 87+50 (Elev. 750.26)

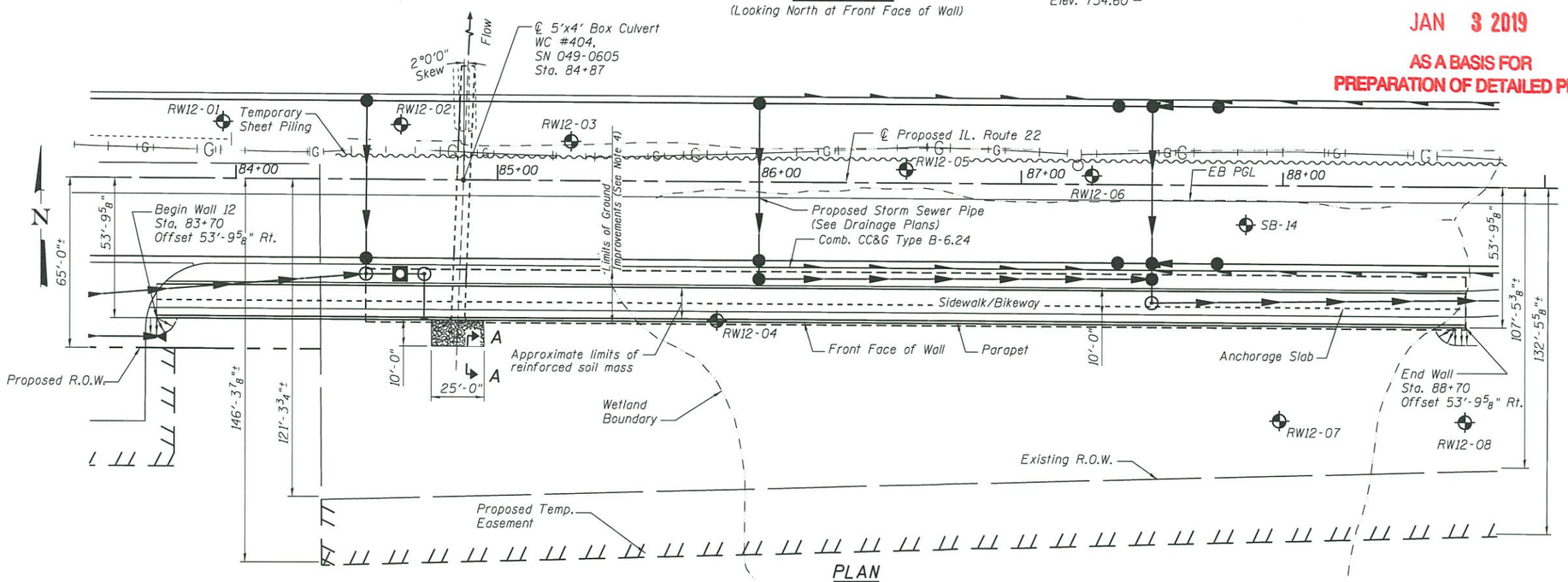
Existing Structure: None

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



ELEVATION

(Looking North at Front Face of Wall)



PLAN

DESIGN SPECIFICATIONS

AASHTO LRFD Bridge Design Specifications, 8th Edition, 2017

DESIGN STRESSES

FIELD UNITS

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

PRECAST PANEL

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

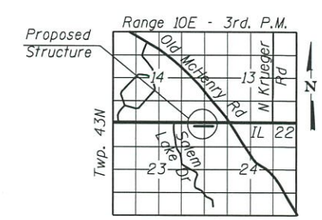
LEGEND

- G — Underground Gas line
- Underground Storm Sewer Line
- Catch Basin
- Proposed Manhole
- Soil Boring Location

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

Notes:

1. Wall offsets are measured from the ℄ of IL. Rte. 22 to the front face of wall.
2. See Sheet 2 for Section A-A
3. Riprap pay item included with SN 049-0605.
4. The limits of Removal and Disposal of Unsuitable Material are based on soil boring data and shall be verified in the field. Removal areas shall be backfilled with Rockfill in accordance with Section 1005 of the Standard Specifications.



LOCATION SKETCH

GENERAL PLAN & ELEVATION
RETAINING WALL NO. 12
ILLINOIS ROUTE 22
F.A.P. RTE. 337 - SEC 20-Y
LAKE COUNTY
STA. 83+70 TO STA. 88+70
STRUCTURE No. 049-W059

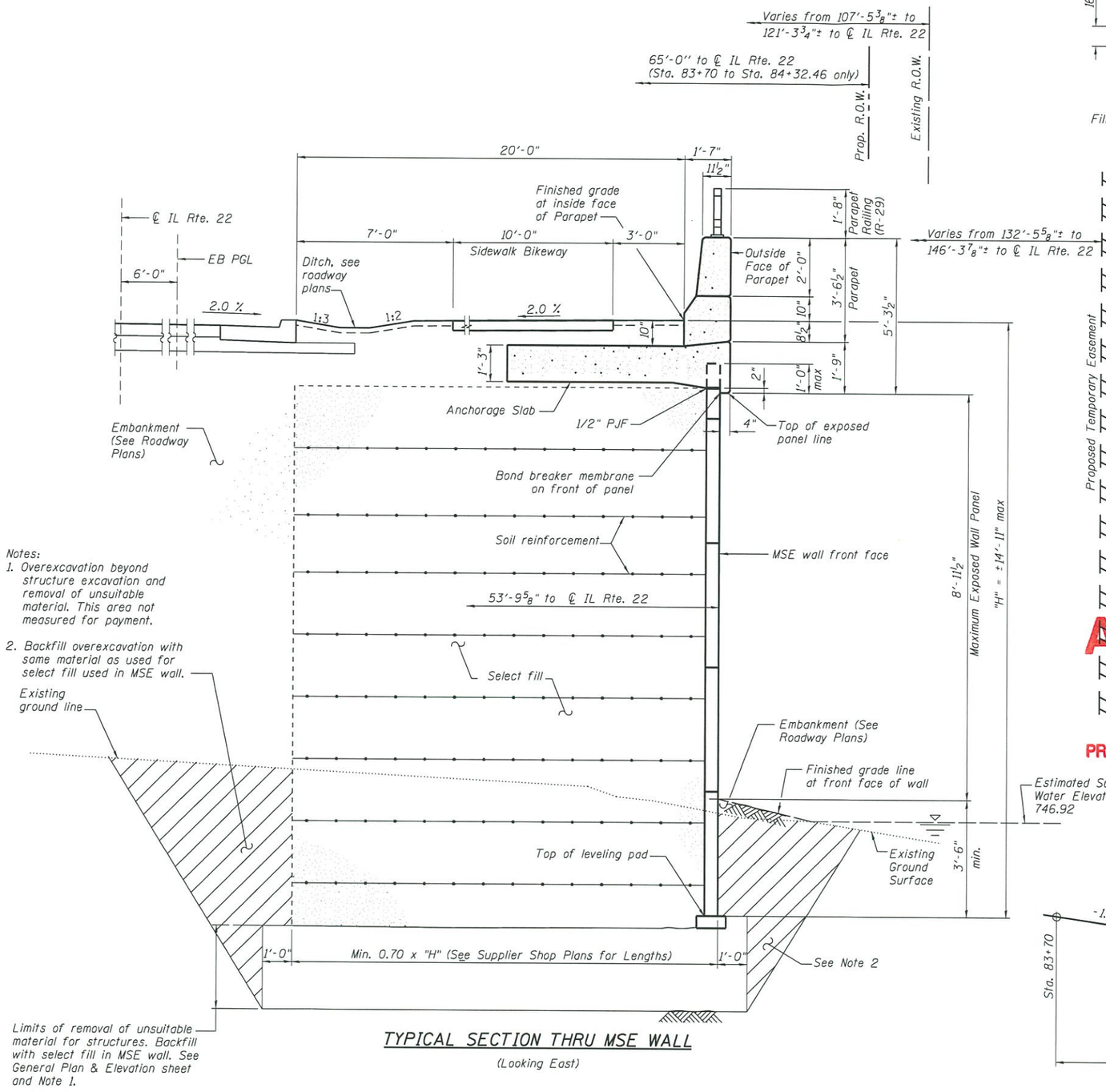
Primera
100 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 . P.312-606-9700 F.312-606-9403

USER NAME =	DESIGNED - JPM	REVISED	
	CHECKED - MMH/TPG	REVISED -	
PLOT SCALE =	DRAWN - MPS	REVISED -	
PLOT DATE = $DATE$	CHECKED - JPM/MMH/TPG	REVISED -	

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 2 SHEETS

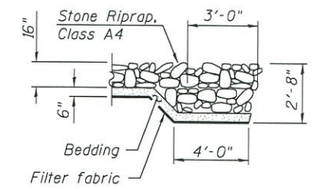
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20-Y	LAKE	$TOT	
		CONTRACT NO. 60N10		
		ILLINOIS FED. AID PROJECT		



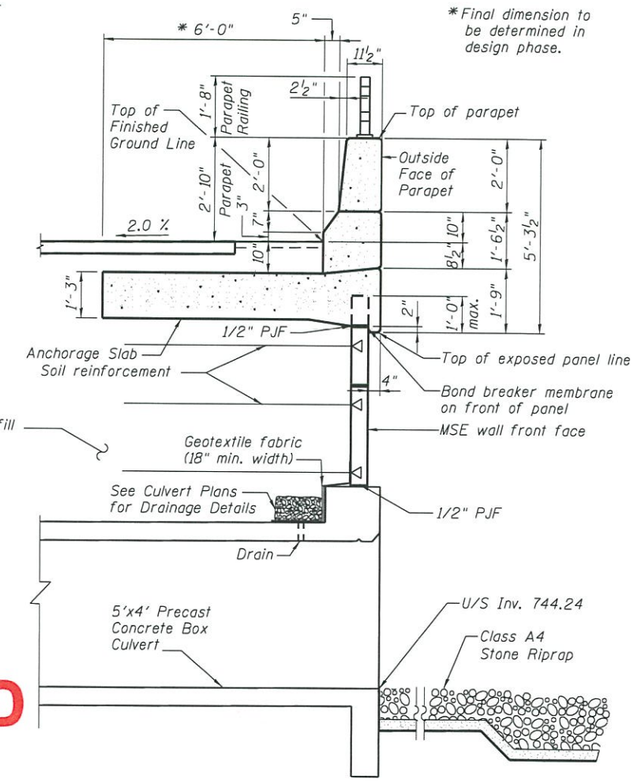
Notes:
1. Overexcavation beyond structure excavation and removal of unsuitable material. This area not measured for payment.
2. Backfill overexcavation with same material as used for select fill used in MSE wall.

TYPICAL SECTION THRU MSE WALL

(Looking East)



SECTION A-A



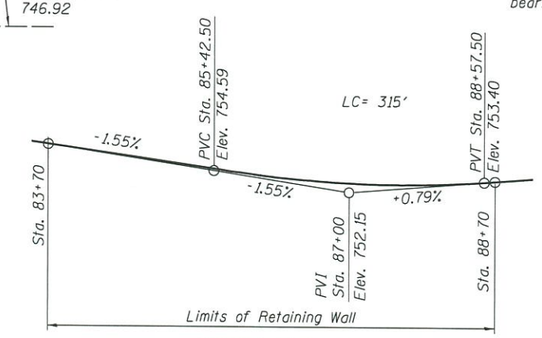
SECTION THRU ANCHORAGE SLAB/PARAPET & CULVERT WC 404

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



PROFILE GRADE

(Along ℄ IL 22)

DETAILS
RETAINING WALL NO. 12
ILLINOIS ROUTE 22
F.A.P. RTE. 337 - SEC 20-Y
LAKE COUNTY
STA. 83+70 TO STA. 88+70
STRUCTURE No. 049-W059

Primera	USER NAME =	DESIGNED - JPM	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	MSE WALL DETAILS STRUCTURE NO. 049-W059	F.A.P. RTE. 337	SECTION 20-Y	COUNTY LAKE	TOTAL SHEETS $TOT / SHEET NO.
		CHECKED - MMH/TPG	REVISED -						
	PLOT SCALE =	DRAWN - MPS	REVISED -					CONTRACT NO. 60N10	
	PLOT DATE = $DATE$	CHECKED - JPM/MMH/TPG	REVISED -		SHEET NO. 2 OF 2 SHEETS			ILLINOIS FED. AID PROJECT	