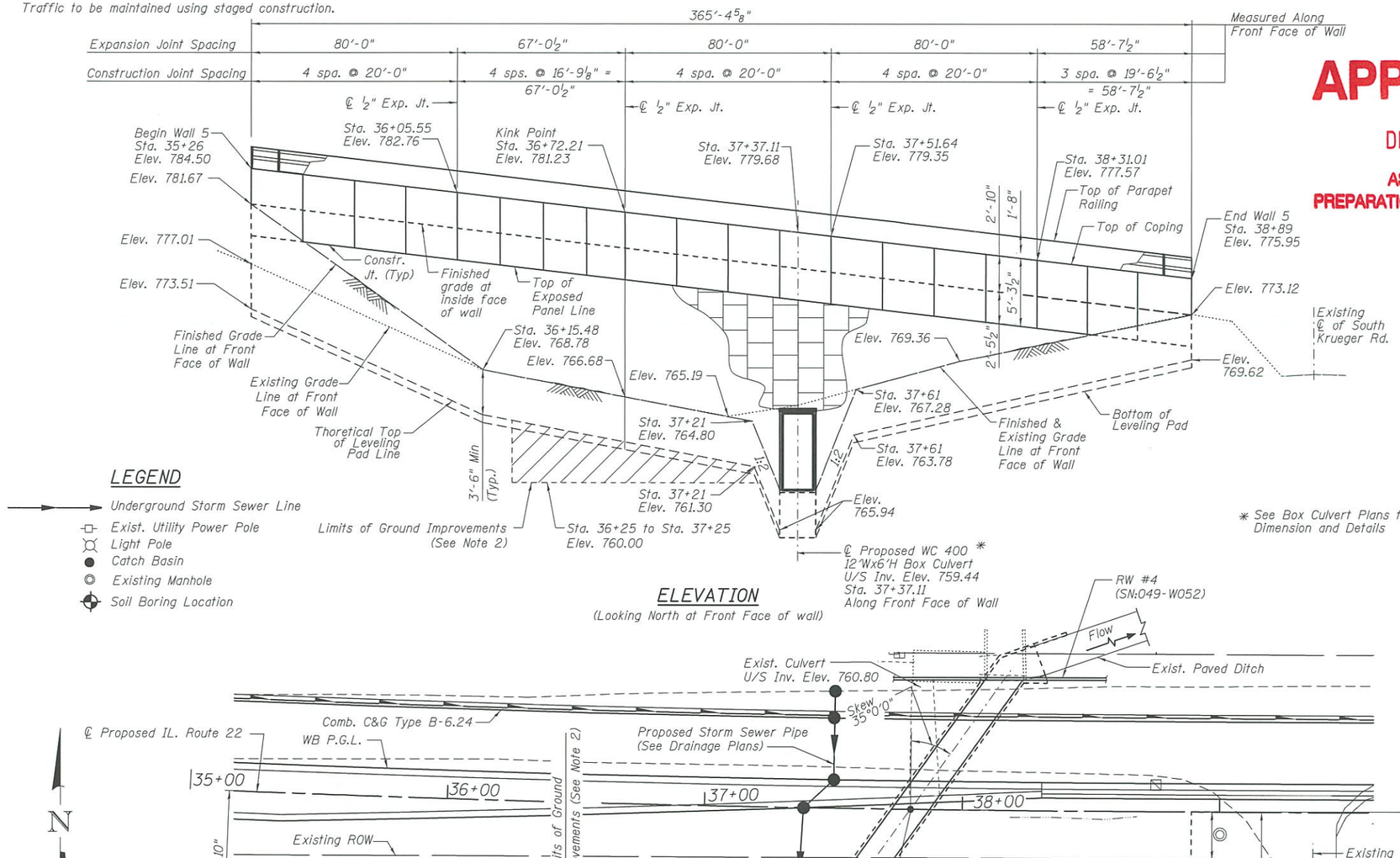
Bench Mark: P.K. Nail in the ℄ of IL Rte. 22 at the S. Krueger Rd. intersection (Elev. 764.63)

Existing Structure: None

Traffic to be maintained using staged construction.



ELEVATION

(Looking North at Front Face of wall)

PLAN

Notes:

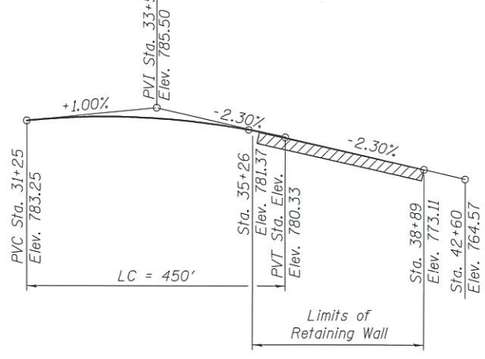
1. Station and Wall offsets are measured from the ℄ of IL. Rte. 22 to the front face of wall.

2. The limits of the Ground Improvemtns are based on soil boring data. The extents to be verified in field. (See Roadway Plans)

3. See Sheet 2 for Section A-A. Cost of riprap is included in Culvert WC400 plans.

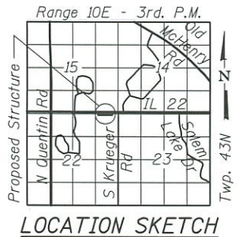
LEGEND

- Underground Storm Sewer Line
- Exist. Utility Power Pole
- Light Pole
- Catch Basin
- Existing Manhole
- Soil Boring Location



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
fy = 60,000 psi (Reinforcement)

PRECAST PANELS

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

CURVE PR-IL 22-2 DATA

PI STA. = 35+48.38
Δ = 3° 43' 18" (LT)
D = 0° 34' 23"
R = 10,000.00'
T = 324.89'
L = 649.56'
E = 5.28'
P.C. STA. = 32+23.49
P.T. STA. = 38+73.05

APPROVED

DEC 06 2018

AS A BASIS FOR PREPARATION OF DETAILED PLANS

GENERAL PLAN & ELEVATION
RETAINING WALL NO. 5
ILLINOIS ROUTE 22
F.A.P. RTE. 337 - SEC 20-Y
LAKE COUNTY
STA. 35+26 TO STA. 38+89
STRUCTURE No. 049-W053

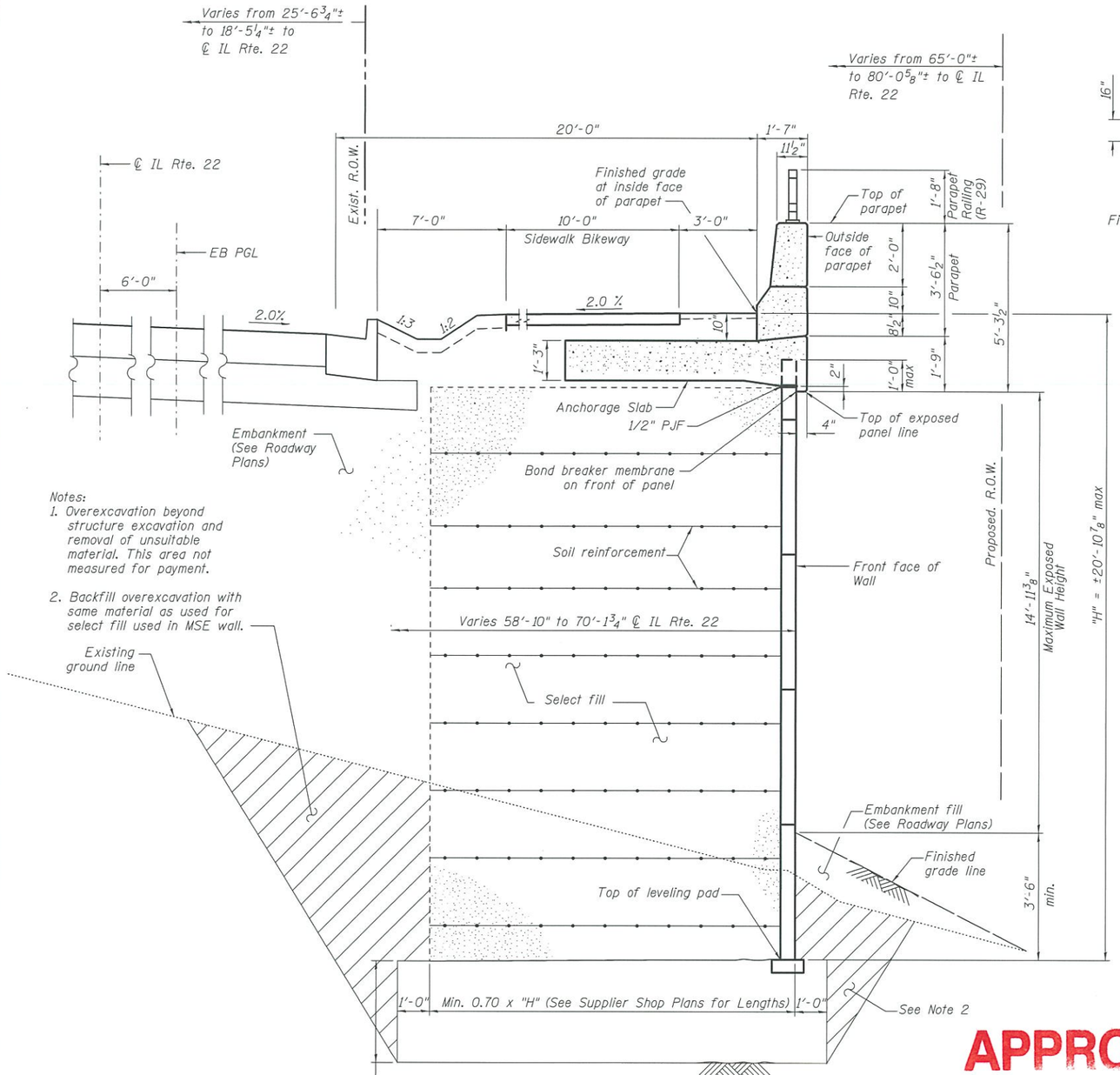
Primera
300 S. WACKER DRIVE SUITE 700 . CHICAGO IL 60606 . PH:312-595-9100 F:312-595-9105

USER NAME =		DESIGNED - MMH	REVISED
		CHECKED - MMZ	REVISED -
PLOT SCALE =		DRAWN - PY	REVISED -
PLOT DATE =	12/6/2018	CHECKED - MMH/MMZ	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SHEET NO. 1 OF 2 SHEETS

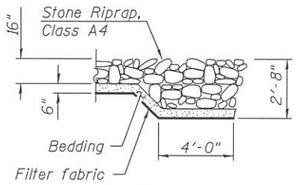
F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
337	20-Y	LAKE		
		CONTRACT NO. 60N10		
		ILLINOIS FED. AID PROJECT		



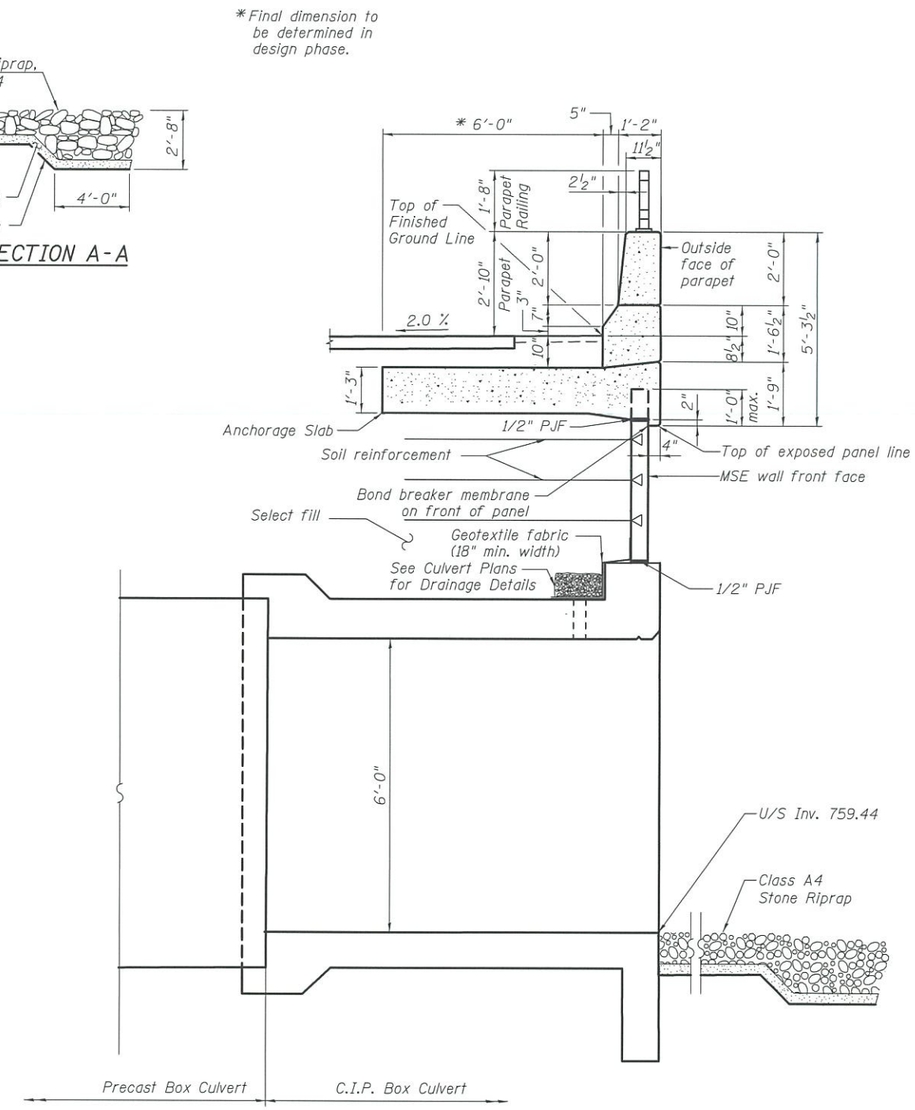
Notes:
1. Overexcavation beyond structure excavation and removal of unsuitable material. This area not measured for payment.
2. Backfill overexcavation with same material as used for select fill used in MSE wall.

TYPICAL SECTION THRU MSE WALL

(Looking East)



SECTION A-A



SECTION THRU CIP ANCHORAGE SLAB/PARAPET & CULVERT WC 400

Note:
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

DEC 06 2018

AS A BASIS FOR PREPARATION OF DETAILED PLANS

DETAILS
RETAINING WALL NO. 5
ILLINOIS ROUTE 22
F.A.P. RTE. 337 - SEC 20-Y
LAKE COUNTY
STA. 35+26 TO STA. 38+89
STRUCTURE No. 049-W053

Primera	USER NAME =	DESIGNED - MMH	REVISED	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION		F.A.P. RTE. 337	SECTION 20-Y	COUNTY LAKE	TOTAL SHEETS / SHEET NO.
		CHECKED - MMZ	REVISED -						
	PLOT SCALE =	DRAWN - PY	REVISED -					CONTRACT NO. 60N10	
	PLOT DATE = 12/6/2018	CHECKED - MMH/MMZ	REVISED -		SHEET NO. 2 OF 2 SHEETS			ILLINOIS FED. AID PROJECT	