BENCHMARK 1
CHISELED SQUARE TOP OF WALL
SOUTH OF CONTROL POINT 251511
Sta 170+01.86
36.3502 LT.
N 1700365.8430
E 768236.4840
ELEV. 586.78

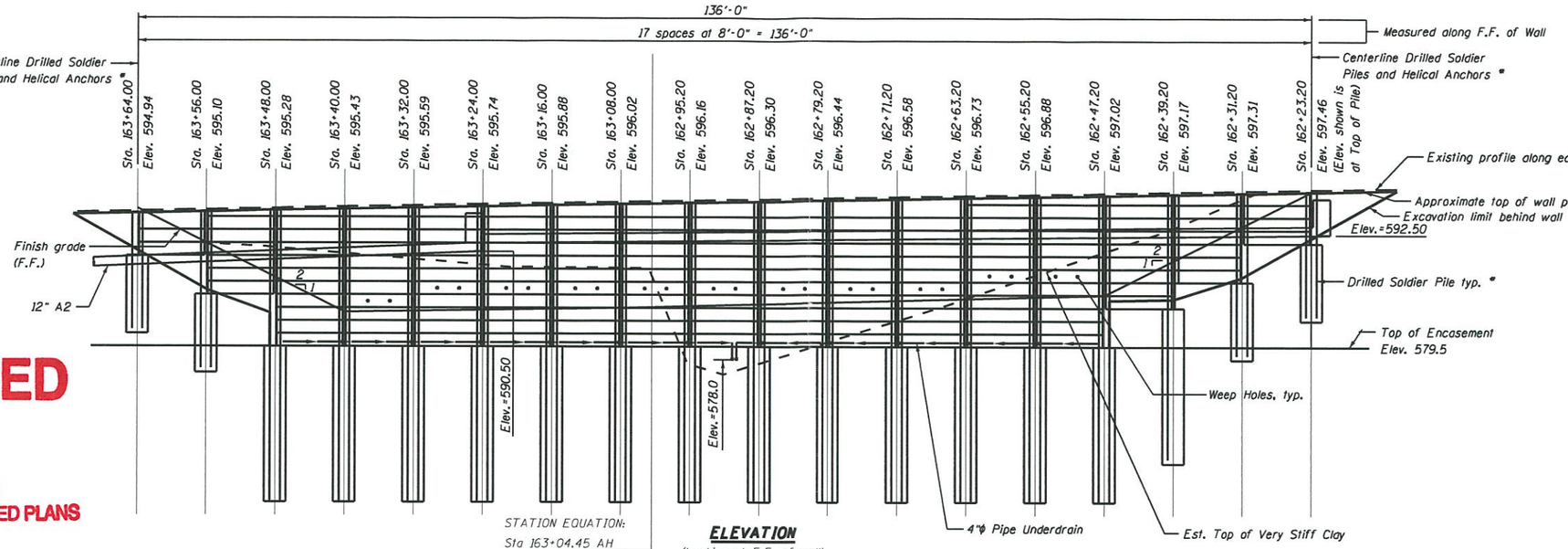
Existing Structure: None

Traffic Control:
Outside Lane Closure

APPROVED

AUG 14 2018

AS A BASIS FOR
PREPARATION OF DETAILED PLANS



STATION EQUATION:
Sta 163+04.45 AH
Sta 162+99.65 BK =

ELEVATION
(Looking at F.F. of wall)

* Pile section, spacing, tip elevation, and shaft diameter to be determined during final design.

DESIGN SPECIFICATIONS

2017 AASHTO LRFD Bridge Design Specifications

DESIGN STRESSES

FIELD UNITS

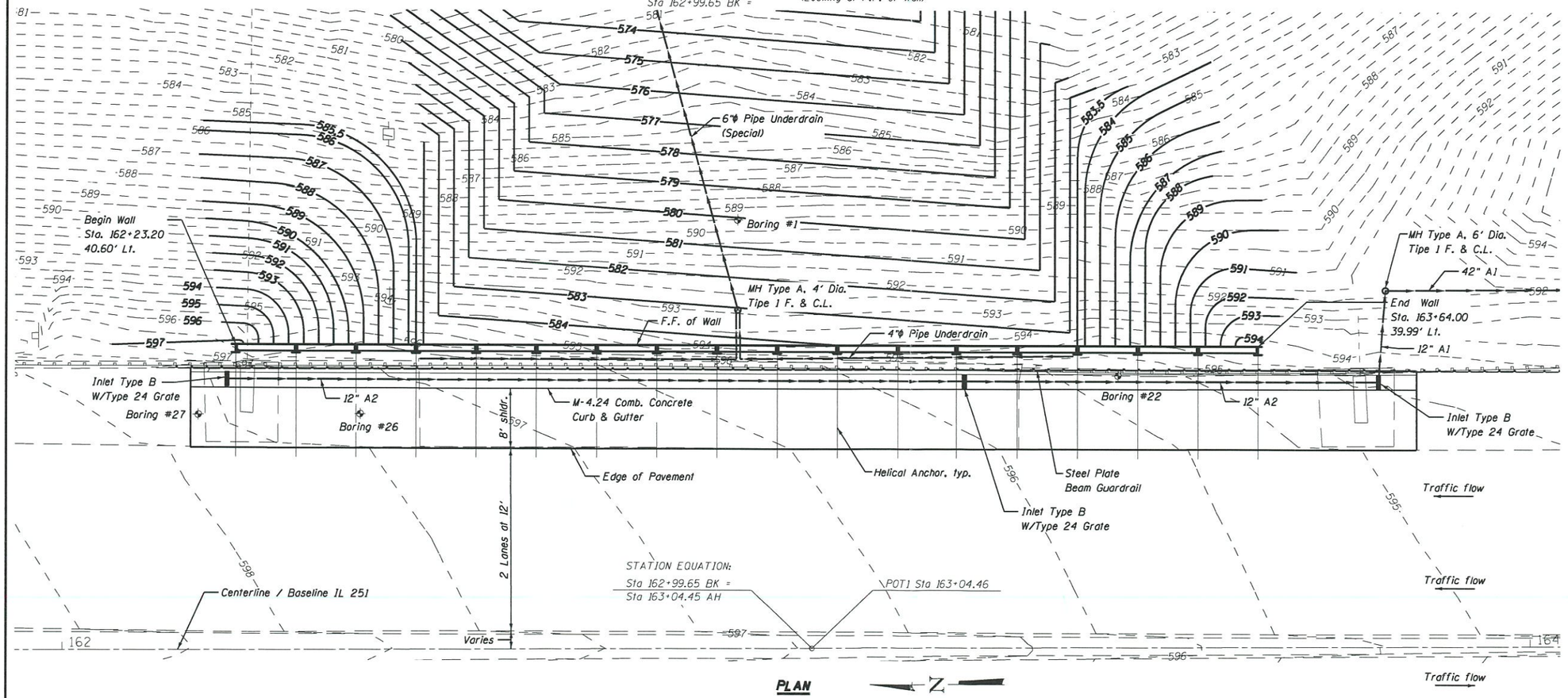
f'c = 3,500 psi
fy = 60,000 psi (Reinforcement)
fy = 50,000 psi (M270 Grade 50)

PRECAST UNITS

f'c = 6,000 psi
fy = 60,000 psi (Reinforcement)

HIGHWAY CLASSIFICATION

F.A.P. 46 - IL 251
Functional Class: Other Principal Arterial
ADT: 8050 (2015); 10600 (2038)
DHV: .084
Design Speed: 45 m.p.h.
Posted Speed: 45 m.p.h.



PLAN

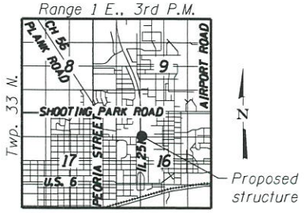
Offsets are measured from Baseline of IL 251 to front face of wall.

F.F. = front face

See station and elevation call outs in Elevation view.

PROFILE GRADE IL 251

(Along Top of Pile)



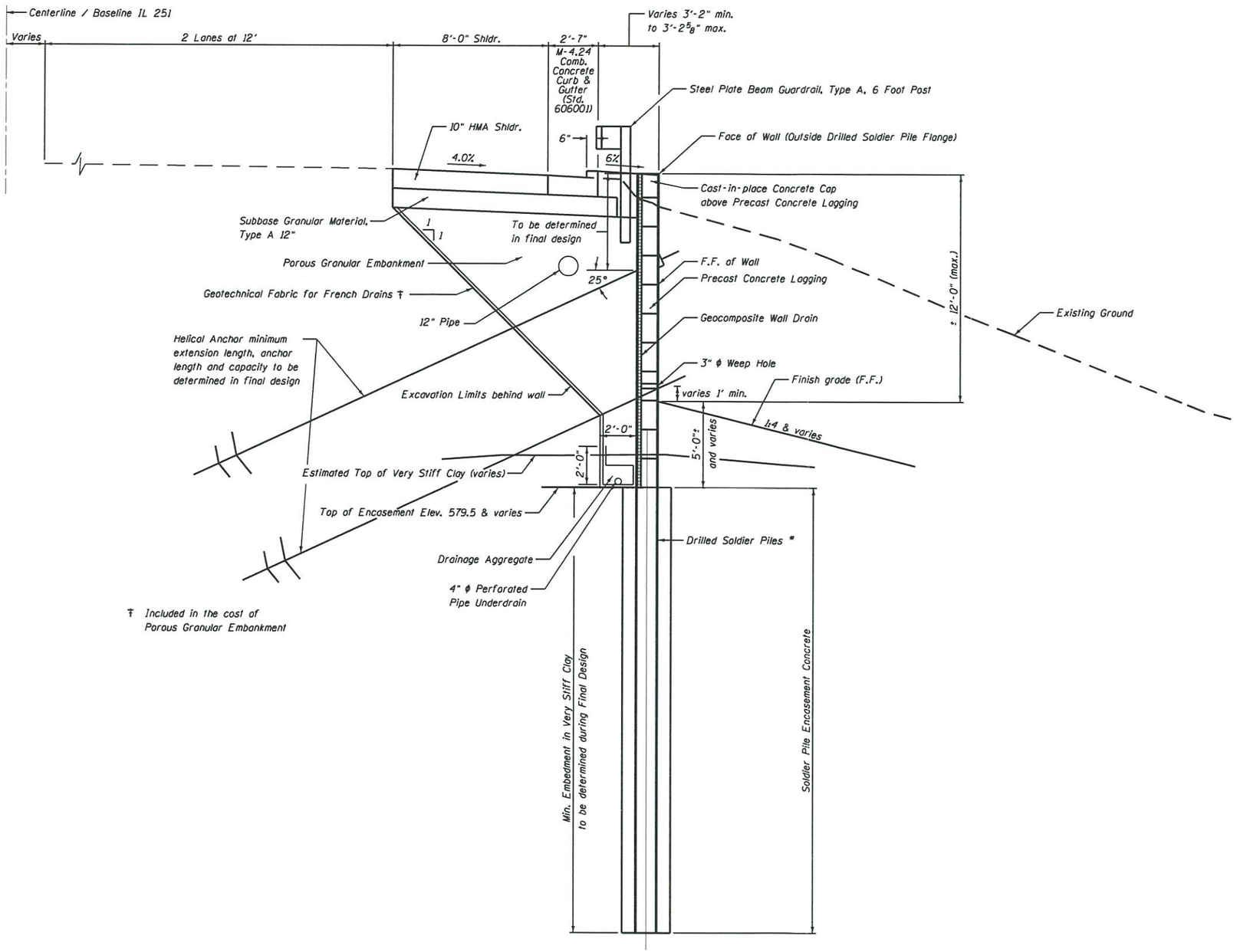
LOCATION SKETCH

GENERAL PLAN & ELEVATION
IL ROUTE 251
F.A.P. 46
SECTION (1)I-2
LASALLE COUNTY
STATION 162+23.20 TO 163+64.00
STRUCTURE NO. 050-8801

FILE NAME = D366F12-sht-TSL.dgn	USER NAME = CHAMLIN	DESIGNED - JKC	REVISED -	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION			
CHAMLIN & ASSOCIATES, INC.		DRAWN - LAG	REVISED -				
	PLOT SCALE = $SCALE$	CHECKED - JKC	REVISED -				
	PLOT DATE = $DATE$	DATE - 7/5/18	REVISED -				

SCALE: 1"=8'	SHEET 1 OF 2 SHEETS	STA. 162+23.20 TO STA. 163+64.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
46	(1)I-2	LaSalle		
		CONTRACT NO. 66F12		
	ILLINOIS FED. AID PROJECT			



† Included in the cost of Porous Granular Embankment

TYPICAL WALL SECTION

(Looking North)

* Pile section, spacing, tip elevation, and shaft diameter to be determined during final design.

APPROVED

AUG 1 4 2018

AS A BASIS FOR PREPARATION OF DETAILED PLANS

DETAILS
IL ROUTE 251
F.A.P. 46
SECTION (1)I-2
LASALLE COUNTY
STATION 162+23.20 TO 163+64.00
STRUCTURE NO. 050-8801

FILE NAME = D366F12-sht-TSL-DETAIL.dgn	USER NAME = CHAMLIN	DESIGNED - JKC	REVISED -
CHAMLIN & ASSOCIATES, INC.		DRAWN - LAG	REVISED -
	PLOT SCALE = $SCALE$	CHECKED - JKC	REVISED -
	PLOT DATE = $DATE$	DATE - 7/5/18	REVISED -

STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

SCALE: 1"=3' | SHEET 2 OF 2 SHEETS | STA. 162+23.20 | TO STA. 163+64.00

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
46	(1)I-2	LaSalle		
		CONTRACT NO. 66F12		
	ILLINOIS FED. AID PROJECT			