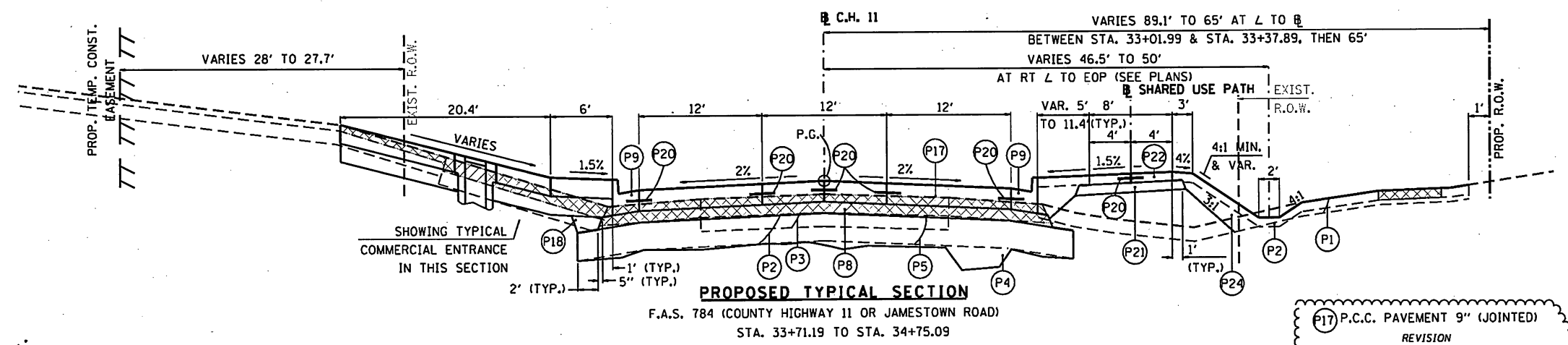


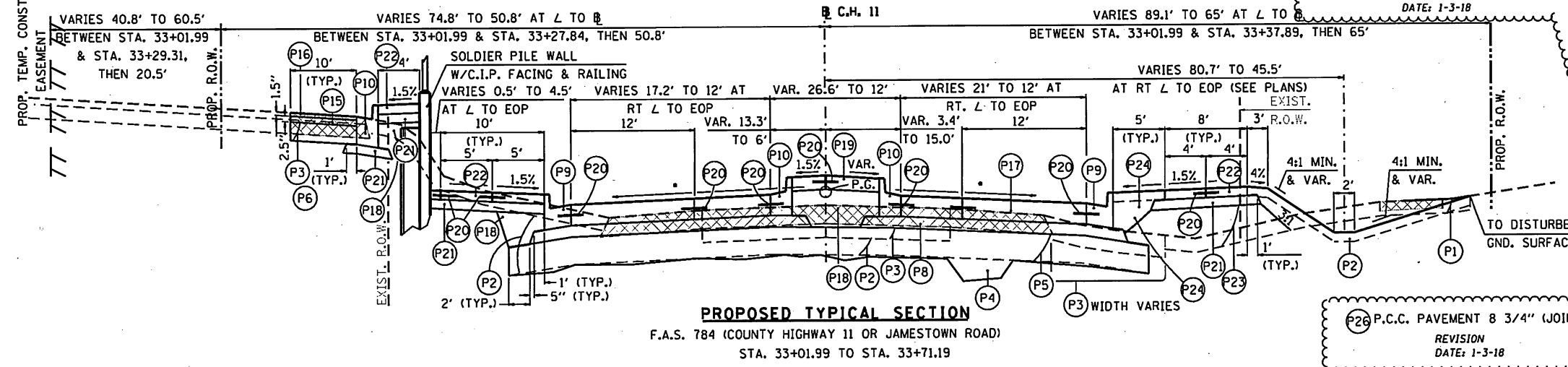
LEGEND

- (P1) TOPSOIL EXCAVATION 6" (NOT A PAY ITEM)
- (P2) EARTH EXCAVATION
- (P3) REMOVAL AND DISPOSAL OF UNSUITABLE MATERIAL
- (P4) AGGREGATE SUBGRADE IMPROVEMENT
- (P5) SUB-BASE GRANULAR, TYPE A, 12"
- (P6) AGGREGATE BASE COURSE, TYPE A 8"
- (P7) BITUMINOUS MATERIALS (PRIME COAT)
- (P8) STABILIZED SUBBASE - HOT-MIX ASPHALT 4 1/2"
- (P9) COMB. CONC. CURB AND GUTTER, TYPE B-6.24
- (P10) COMB. CONC. CURB AND GUTTER, TYPE B-6.18
- (P11) COMB. CONC. CURB AND GUTTER, TYPE M-2.12
- (P12) COMB. CONC. CURB AND GUTTER, TYPE B-9.12
- (P13) HOT-MIX ASPHALT BASE COURSE, (VAR. DEPTH)
- (P14) LEVELING BINDER (MACHINE METHOD), N70 (VAR. DEPTH)
- (P15) HOT-MIX ASPHALT BINDER COURSE, IL-19.0, N70
- (P16) HOT-MIX ASPHALT SURFACE COURSE, MIX "D", N70
- (P17) P.C.C. PAVEMENT 9" (JOINTED)
- (P18) SELECT GRANULAR BACKFILL, SPECIAL
- (P19) CONCRETE MEDIAN SURFACE, 6 INCH
- (P20) NO. 6 EPOXY-CTD. REINF. BAR 30" @24" CTS. (8" MIN. EMBEDMENT W/CHEMICAL ADHESIVE)
- (P21) AGGREGATE BASE COURSE, TYPE A 4"
- (P22) P.C.C. SIDEWALK 5 INCH
- (P23) EMBANKMENT (STRUCTURAL; NOT A PAY ITEM)
- (P24) EMBANKMENT (NON-STRUCTURAL; NOT A PAY ITEM)
- (P25) T. SOIL PLACEMENT 4 INCH (T. SOIL EXCAV. & PLACEMENT)
- (P26) STAMPED COLORED P.C.C. PAVEMENT 9" (JOINTED)
- (P27) FILTER FABRIC
- (P28) LANDSCAPING GRAVEL
- (P29) SAWING PAVEMENT (FULL DEPTH)
- (P30) HOT-MIX ASPHALT SURFACE REMOVAL, 1.5" OR 3"
- (P31) STRIP REFLECTIVE CRACK CONTROL TREATMENT
- (P32) AGGREGATE SHOULDERS, TYPE B (9.25")



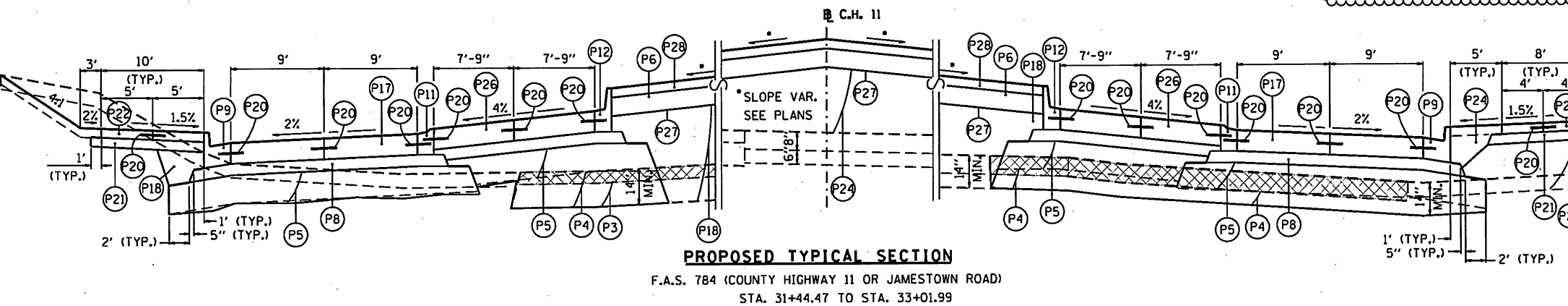
PROPOSED TYPICAL SECTION

F.A.S. 784 (COUNTY HIGHWAY 11 OR JAMESTOWN ROAD)
STA. 33+71.19 TO STA. 34+75.09



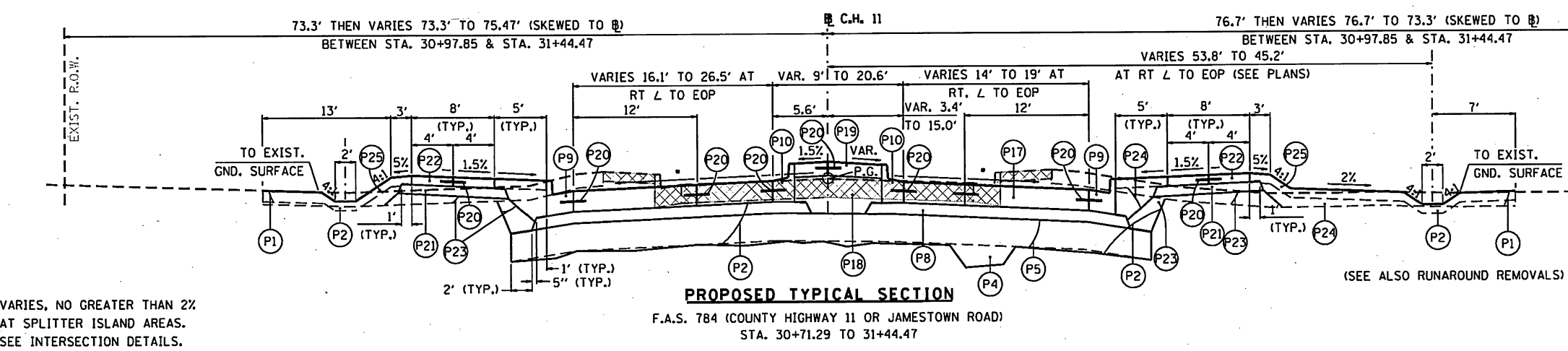
PROPOSED TYPICAL SECTION

F.A.S. 784 (COUNTY HIGHWAY 11 OR JAMESTOWN ROAD)
STA. 33+01.99 TO STA. 33+71.19



PROPOSED TYPICAL SECTION

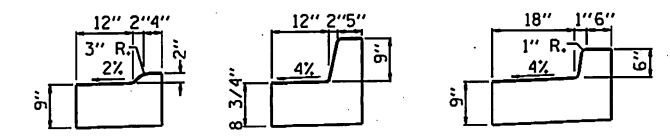
F.A.S. 784 (COUNTY HIGHWAY 11 OR JAMESTOWN ROAD)
STA. 31+44.47 TO STA. 33+01.99



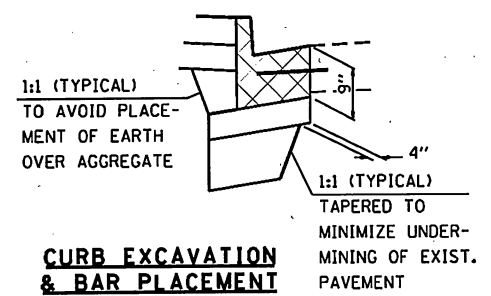
PROPOSED TYPICAL SECTION

F.A.S. 784 (COUNTY HIGHWAY 11 OR JAMESTOWN ROAD)
STA. 30+71.29 TO STA. 31+44.47

* VARIES, NO GREATER THAN 2% AT SPLITTER ISLAND AREAS. SEE INTERSECTION DETAILS.

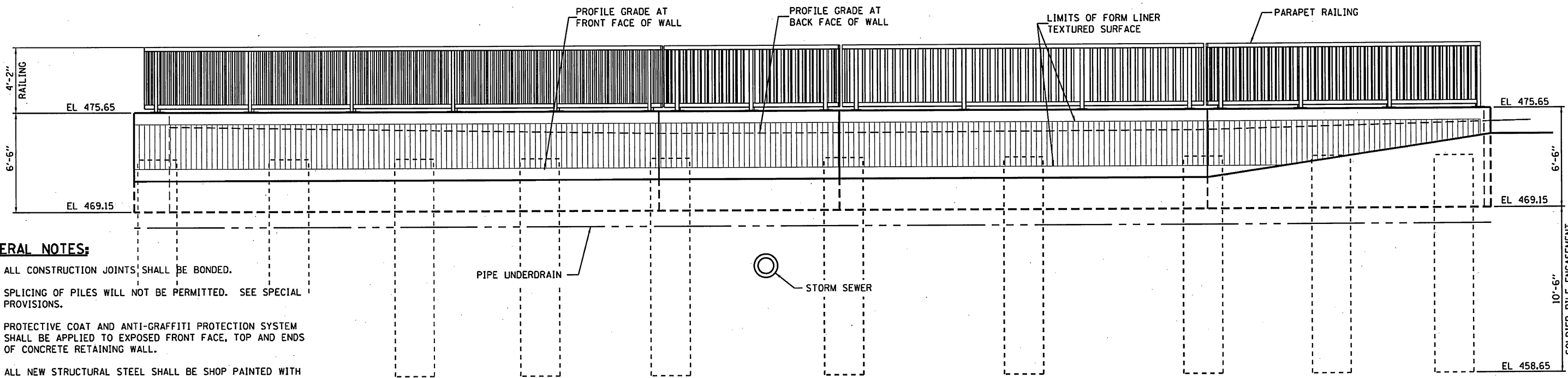


**M-2.12 CURB B-9.12 CURB B-6.18 CURB
IN ROUNDABOUT IN ROUNDABOUT IN THE MEDIAN**



CURB EXCAVATION & BAR PLACEMENT

FILE NAME = H:\6382 Br-eese Roundabout\6382Design\6382-B-PropTypSect2-REVISED1-2-18.dgn	USER NAME = exilson	DESIGNED - KMM	REVISED 1-3-18	STATE OF ILLINOIS DEPARTMENT OF TRANSPORTATION	PROPOSED TYPICAL SECTIONS				F.A. R.T.E. 784	SECTION 13-00095-02-PV	COUNTY CLINTON	TOTAL SHEETS 190	SHEET NO. 11
HMG JOB NO. 6382.008	PLOT SCALE = 20.0048' / 1" IN.	DRAWN - KHL	REVISED -		SCALE:	SHEET NO.	OF SHEETS	STA. TO STA.	CONTRACT NO. 97563				
	PLOT DATE = 1/4/2018	CHECKED - CRW	REVISED -		ILLINOIS FED. AID PROJECT								
		DATE	REVISED -										



GENERAL NOTES:

1. ALL CONSTRUCTION JOINTS SHALL BE BONDED.
2. SPLICING OF PILES WILL NOT BE PERMITTED. SEE SPECIAL PROVISIONS.
3. PROTECTIVE COAT AND ANTI-GRAFFITI PROTECTION SYSTEM SHALL BE APPLIED TO EXPOSED FRONT FACE, TOP AND ENDS OF CONCRETE RETAINING WALL.
4. ALL NEW STRUCTURAL STEEL SHALL BE SHOP PAINTED WITH AN INORGANIC ZINC RICH PRIMER.
5. THE CONTRACTOR IS RESPONSIBLE FOR THE DESIGN AND PERFORMANCE OF THE UNTREATED TIMBER LAGGING USING NO LESS THAN A 3 INCH NOMINAL ROUGH SAWN THICKNESS TIMBER WITH A MINIMUM ALLOWABLE BENDING STRESS OF 1,000 psi.

6. ALL PARAPET RAILING SHALL BE GALVANIZED IN ACCORDANCE WITH ARTICLE 509.05 OF THE STANDARD SPECIFICATIONS. ARTICLE 1006.34 (b) REQUIREMENTS FOR CVN TESTING SHALL NOT APPLY.

REVISION DATE: 1-3-18

TOTAL BILL OF MATERIAL

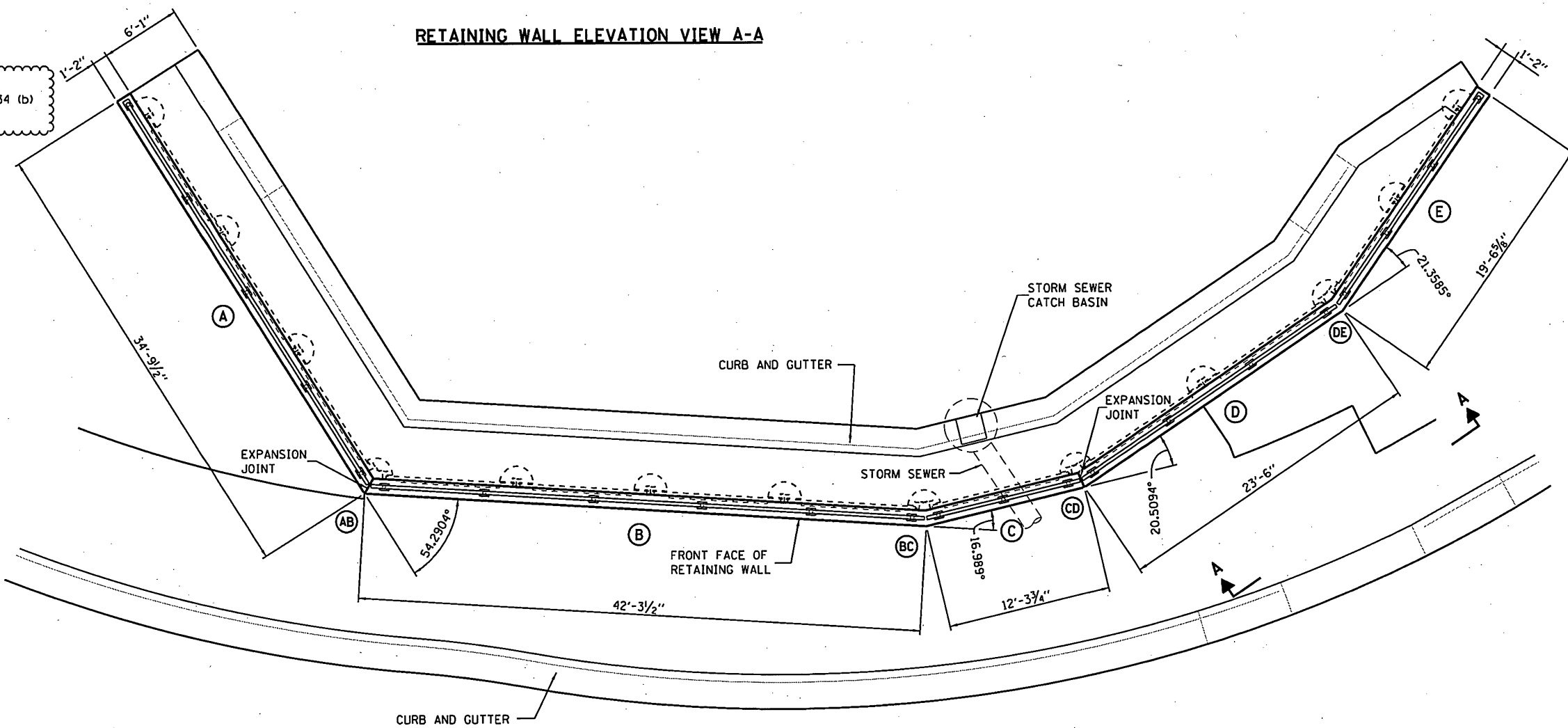
ITEM	UNIT	TOTAL
POROUS GRANULAR EMBANKMENT	TON	60
STRUCTURE EXCAVATION	CU YD	64
CONCRETE STRUCTURES	CU YD	37.3
FORM LINER TEXTURED SURFACE	SO FT	340
PROTECTIVE COAT	SO YD	75
STUD SHEAR CONNECTORS	EACH	85
REINFORCEMENT BARS	POUND	4,340
PARAPET RAILING	FOOT	131
GEOCOMPOSITE WALL DRAIN	SO YD	43
UNTREATED TIMBER LAGGING	SO FT	472
FURNISHING SOLDIER PILES (HP SECTION)	FOOT	255
PIPE UNDERDRAINS FOR STRUCTURES 4"	FOOT	133
ANTI-GRAFFITI PROTECTION SYSTEM	SO FT	669
DRILLING AND SETTING SOLDIER PILES (IN SOIL)	CU FT	1,236

DESIGN SPECIFICATIONS

2010 AASHTO LRFD BRIDGE DESIGN SPECIFICATIONS
DESIGN STRESSES

FIELD UNITS

- f'c = 4,000 psi
- fy = 60,000 psi (REINF.)
- fy = 50,000 psi (M270, GRADE 50 SOLDIER PILES)



RETAINING WALL PLAN

SCALE IN FEET
0 5 10

Bradley G. Hummert Date 6/15/17
Bradley G. Hummert
Licensed Structural Engineer
In Carlyle, Illinois
No. 081-005428
Expires: November 30, 2018



STATE OF ILLINOIS
DEPARTMENT OF TRANSPORTATION

RETAINING WALL PLAN, ELEVATION,
NOTES AND BILL OF MATERIAL

FILE NAME =	USER NAME = chilson	DESIGNED - KMM	REVISED 1-3-18
H:\6382 Breese Roundabout\6382Design\Structures\6382-008_Sht_01.Rvt Plan-Sheet12of15	DRAWN: D1-3-HJK	CHECKED - CRW	REVISED -
HMC JOB NO. 6382.008	PLOT SCALE = 10,0000' / 1in.	DATE -	REVISED -
	PLOT DATE = 1/4/2018		

SCALE: SHEET NO. 1 OF 5 SHEETS STA. TO STA.

F.A. RTE. 784	SECTION 13-00095-02-PV	COUNTY CLINTON	TOTAL SHEETS 190	SHEET NO. 124
CONTRACT NO. 97563				ILLINOIS FED. AID PROJECT