

UNFOLDED ELEVATION VIEW

TEMPORARY SOIL RETENTION SYSTEM

Station	North MSE Wall (SN 081-7002)				Temporary Soil Retention System (TSRS)		
	Top of Parapet or Coping	PGL	Top of Exposed Panel Line	*Proposed Finished Grade	Existing Grade	Approx. Top of Rock	Approx. Height of TSRS (ft)
521+33.00	593.47	593.53	591.48	593.41	575.6	565.8	9.8
521+50.00				587.86	574.5	561.0	13.5
521+95.69				573.10			
522+00.00	594.01	594.06	592.02	573.00	572.0	562.0	10.0
522+50.00				571.80	570.6	560.0	10.6
523+00.00	594.88	594.93	592.89	570.60	569.4	558.0	11.4
523+50.00				570.40	568.0	557.0	11.0
524+00.00	595.75	595.80	593.76	570.20	567.4	556.0	11.4
524+12.88	595.86	595.88	593.87	570.58	567.4	556.0	11.4
524+47.24	596.08	596.11	594.08	571.61	567.2	556.0	11.2
524+56.43	588.94		586.94	571.88	568.5	556.0	12.5
524+53.10	588.94		586.94	572.65	568.5	556.0	12.5
524+43.91	595.85	596.11	593.85	571.91	567.0	556.0	11.0
524+09.60	598.34		593.63	569.16	567.5	556.0	11.5
524+00.00	598.25	595.80	593.54	569.20	567.8	556.0	11.8
523+71.00	598.00		593.29	569.32			
523+50.00				569.39	568.9	557.0	11.9
523+00.00	597.28	594.93	592.57	569.54	569.5	558.0	11.5
522+50.00				570.88	570.7	559.3	11.4
522+39.00	596.62		591.92	571.14			
522+00.00	596.27	594.06	591.57	572.05	572.4	560.5	11.9
521+95.69				572.13			
521+50.00				587.40	576.2	560.3	15.9
521+33.00	593.49	593.53	591.03	593.42	578.1	565.3	12.8

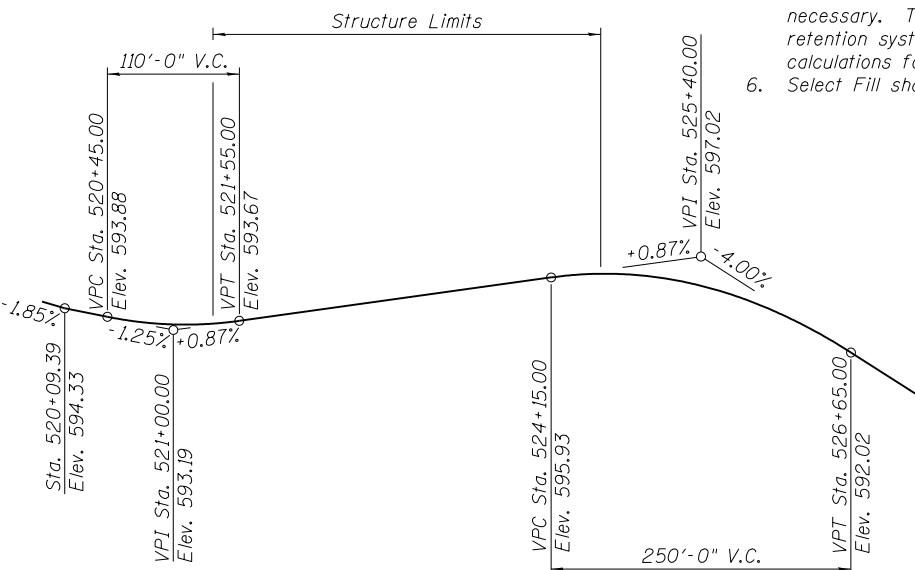
\* Along front face of Retaining Wall

GENERAL NOTES:

- Reinforcement bars designated (E) shall be epoxy coated.
- Ashlar stone form liner shall be used on MSE wall panels.
- Stations and offsets are measured from centerline of 41st Drive Connector to the front face of the MSE wall panels.
- Slipforming of the parapet is prohibited.
- A cantilevered sheet piling design does not appear feasible and additional members or other retention systems may be necessary. The Contractor shall submit a temporary soil retention system design including plan details and calculations for review and acceptance by the Engineer.
- Select Fill shall be a free draining material.

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PROFILE (Along 41st Drive Connector)

STATION 521+33.00 to 524+56.43  
BUILT 20\_\_ BY  
STATE OF ILLINOIS  
SEC (142-1)R-1 AND 142-1)B  
LOADING HL93  
STRUCTURE NO. 081-7002

NAME PLATE  
See Std. 515001

TOTAL BILL OF MATERIAL

ITEM	UNIT	TOTAL
Concrete Superstructure	Cu. Yd.	424.5
Protective Coat	Sq. Yd.	499
Reinforcement Bars, Epoxy Coated	Pound	53,970
Bicycle Railing	Foot	285
Parapet Railing	Foot	352
Name Plates	Each	1
Conduit Embedded In Structure, 2" Dia., Pvc	Foot	794
Junction Box, Stainless Steel, Embedded In Structure, 12" X 10" X 6"	Each	1
Bicycle Railing, Special	Foot	90
Breakaway Device, Transformer Base, Special	Each	3
Mechanically Stabilized Earth Retaining Wall	Sq Ft	15,837
Temporary Soil Retention System	Sq Ft	8,093

N:\PROJECTS\081-7002\CONTRACT\1\Design\Structure\CAD\Retaining Wall\_081-7002\081-7002\_02\_Unfolded Elevation and General Notes.dgn



USER NAME = rdonley	DESIGNED - APD	REVISED -
	CHECKED - BWS	REVISED -
PLOT SCALE = 60.000000' / in.	DRAWN - RD	REVISED -
PLOT DATE = 3/12/2013	CHECKED - BWS	REVISED -

STATE OF ILLINOIS  
DEPARTMENT OF TRANSPORTATION

UNFOLDED ELEVATION & GENERAL NOTES  
STRUCTURE NO. 081-7002

SHEET NO. SA-2 OF SA-16 SHEETS

F.A.P. RTE.	SECTION	COUNTY	TOTAL SHEETS	SHEET NO.
595	(142-1)R-1 AND 142-1)B	ROCK ISLAND	507	328
CONTRACT NO. 64B84				

ILLINOIS FED. AID PROJECT