

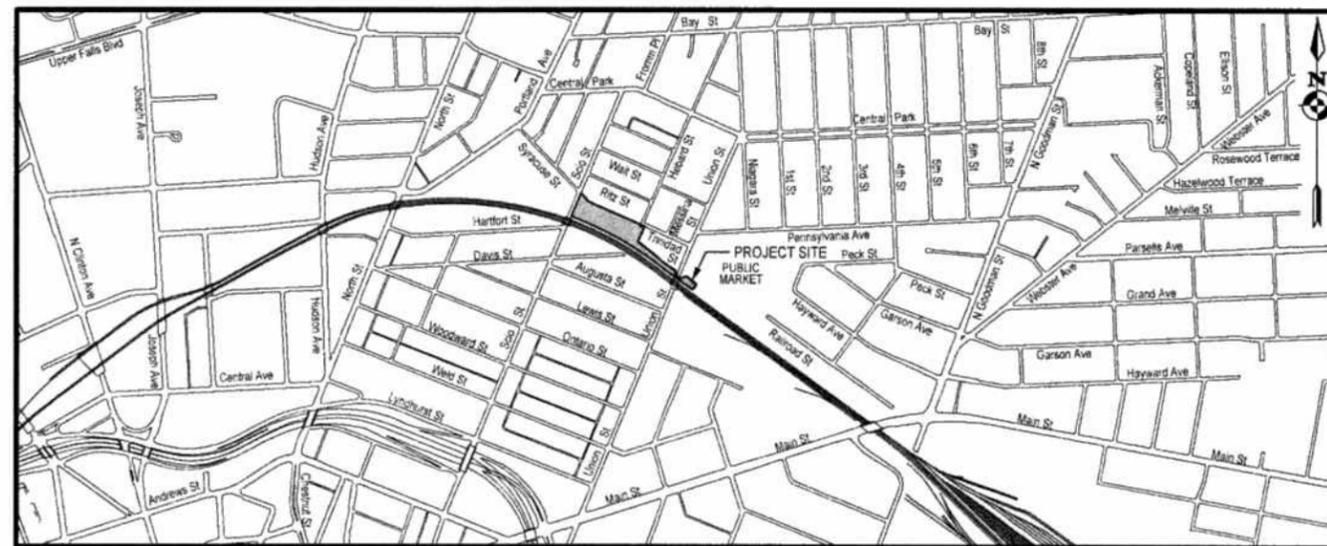
CITY OF ROCHESTER, NEW YORK



DEPARTMENT OF ENVIRONMENTAL SERVICES

UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT

P.C. 10225
SITE AREA = 2.7 ACRES



LOCATION MAP

CITY OF ROCHESTER

APPROVED BY: _____ DATE: _____
PAUL M. HOLAHAN
COMMISSIONER,
DEPARTMENT OF ENVIRONMENTAL SERVICES

APPROVED BY: _____ DATE: _____
JAMES R. MCINTOSH, P.E.
CITY ENGINEER

APPROVED BY: _____ DATE: _____
LUIS BURGOS
COMMISSIONER,
DEPARTMENT OF RECREATION AND YOUTH SERVICES

RECOMMENDED BY: _____ DATE: _____



STANTEC CONSULTING SERVICES INC.

61 Commercial Street
Rochester, N.Y. 14614
Tel: (585) 475-1440
Fax: (585) 272-1814
www.stantec.com

COPYRIGHT © 2011
STANTEC
DRAWING ALTERATION
IT IS A VIOLATION OF LAW FOR ANY
PERSON, UNLESS ACTING UNDER THE
DIRECTION OF LICENSED ARCHITECTS,
PROFESSIONAL ENGINEER, LANDSCAPE
ARCHITECT, OR LAND SURVEYOR TO
ALTER ANY ITEM ON THIS DOCUMENT
IN ANY WAY.
ANY LICENSEE WHO ALTERS THIS
DOCUMENT IS REQUIRED BY LAW TO
AFFIX HIS OR HER SEAL AND THE
NOTATION "ALTERED BY" FOLLOWED BY
HIS OR HER SIGNATURE AND SPECIFIC
DESCRIPTION OF THE ALTERATIONS.

Project: 192500267
 Drawing: LA-1
 Date: 7/25/2011
 Time: 11:45:55 AM
 Plotted By: K. Steitner
 Design File: U:\192500267\1\translocation\Design\Drawings\Plan\Series-01.dgn
 Plotting Parameters:

FEATURE	SYMBOL	
	EXISTING	PROPOSED
SURVEY DATA		
COORDINATE GRID		
SURVEY BASELINE		
BASELINE POINT		
BENCH MARK		
PERMANENT SURVEY MARKER		
ROCHESTER TOPOGRAPHIC SURVEY MONUMENT		
CENTERLINE & STATIONING		
NORTH ARROW		
BOUNDARY		
CITY BOUNDARY	CITY OF ROCHESTER	
TOWN BOUNDARY	TOWN OF BRIGHTON	
COUNTY BOUNDARY	MONROE	
STATE BOUNDARY	ONTARIO	
NATIONAL BOUNDARY	CANADA	
PUBLIC LANDS BDY. (STATE PARK, INDIAN & FED. LAND)	U.S.A.	
HIGHWAY BOUNDARY	H.B.	
EASEMENT LINE	E.	
PROPERTY LINE	P.	
ROCHESTER CITY SURVEY MONUMENT		
HIGHWAY BOUNDARY MONUMENT		
FOUND PROPERTY PIN		
CONTOURS & ELEVATIONS		
SPOT ELEVATION		
WATER ELEVATION		
MAJOR ELEVATION CONTOUR		
MINOR ELEVATION CONTOUR		
GEOTECHNICAL		
AUGER HOLE		
TEST PIT		
BORE HOLE		
PAVEMENT CORE		
MONITORING WELL		
SHEET PILING		

ABBREVIATIONS	
@	AT
ADJ.	ADJUST
A.O.B.P.M.	AS ORDERED BY THE PROJECT MANAGER
APPROX.	APPROXIMATE
AR	AREAWAY
ASPH.	ASPHALT
A.A.T.	ABANDON AT TAP
BLDG	BUILDING
BM	BENCHMARK
BR.	BRICK
CAL.	CALIPER
CB	CATCH BASIN
CL	CENTERLINE
C.R.BR.	CIRCULAR BRICK
COV.	COVERED
C.O.	CLEAN OUT
CL	CLASS
C.L.F.	CHAIN LINK FENCE
CRHH	CITY OF ROCHESTER HANDHOLE

FEATURE	SYMBOL	
	EXISTING	PROPOSED
TRANSPORTATION		
CURB		
CURB CUT		
PAVED & CONCRETE GUTTERS		
PAVED RD., SHOULDER, DRIVEWAY OR PARK LOT		
UNPAVED RD., SHOULDER OR PARKING LOT		
CHANGE IN PAVEMENT		
FLUSH MEDIAN		
GRAVEL DRIVEWAY		
ASPHALT DRIVEWAY		
CONCRETE DRIVEWAY		
ASPHALT SIDEWALK		
CONCRETE SIDEWALK		
SIDEWALK RAMP		
TRAILS UNPAVED		
TRAILS PAVED		
PARKING BUMPER RAIL		
PARKING BUMPERS		
BOLLARD		
GUIDE POST		
CABLE GUIDE RAIL		
BOX BEAM OR 'W' BEAM GUIDE RAIL		
BOX BEAM OR 'W' BEAM MEDIAN BARRIER		
PERMANENT CONCRETE BARRIER		
GUIDE RAIL ANCHOR BLOCK		
TRAFFIC IMPACT ATTENUATOR		
RETAINING WALL		
RAILROADS		
RAILROAD LARGE SCALE		
RAILROAD 20 SCALE		
ABANDONED RAILROAD		
RAILROAD W/CATENARY		
RAILROAD GRADE CROSSING GATE		
RAILROAD SWITCH		
RR SIGNAL, RR CROSSING SIGNAL		

ABBREVIATIONS	
CRLP	CITY OF ROCHESTER LIGHT POLE
CRPB	CITY OF ROCHESTER PULLBOX
COMB.	COMBINED
CONC.	CONCRETE
C.O.R.	CITY OF ROCHESTER
COR.	CORNER
CORR.	CORRUGATED
CATV	CABLE TELEVISION
C.Y.	CUBIC YARD
DOM	DOMESTIC
DA	DOUBLE ARROW
DIA.	DIAMETER
D.I.P.	DUCTILE IRON PIPE
DWY.	DOORWAY
EA	EACH
ELEV.	ELEVATION
ENT.	ENTRANCE
E.P.	EDGE OF PAVEMENT
EXIST.	EXISTING
F.A.	FIRE ALARM
FT.	FEET

FEATURE	SYMBOL	
	EXISTING	PROPOSED
STRUCTURES		
BUILDING & OVERHANG		
BUILDING TO BE DEMOLISHED		
BUILDING UNDER CONSTRUCTION		
BUILDING RUINS		
GARAGE		
BUS SHELTER		
MISCELLANEOUS FEATURES		
STAIRS		
HAND RAIL		
MAILBOX		
PAPER BOX		
FLAGPOLE		
POLE WITH LIGHT NON-UTILITY		
POST		
BENCH		
PICNIC TABLE		
FIREPLACE & GRILL		
PARKING METER		
FIRE ALARM BOX		
POSTAL BOX		
FENCE AND TYPE		
STONE FENCE, ROCK WALL		
NOISE WALL		

ABBREVIATIONS	
F.P.	FLAG POLE
GA.	GAUGE
GALV.	GALVANIZED
GR.	GRASS
GRAN.	GRANITE
G.S.	GAS SERVICE
G.V.	GAS VALVE
H.C.L.	HORIZONTAL CONTROL LINE
HSE.	HOUSE
HTC	HERE TO CORNER
HYD.	HYDRANT
I.D.	INSIDE DIAMETER
INTMO.	INTERSECTION/MONTH
INV.	INVERT
L.	LENGTH OF CURVE
L.F.	LINEAR FOOT
L.P.	LIGHT POLE
L.S.	LUMP SUM
LT.	LEFT
L.V.C.	LENGTH OF VERTICAL CURVE
M.O.	MID-ORDINATE
MAX.	MAXIMUM
MB	MAILBOX
MC	MONROE COUNTY
MED.	MEDINA
MH	MANHOLE
MIN.	MINIMUM
MON.	MONUMENT
N.E.	NORTHEAST
NEC.	NECESSARY
N/F	NOW OR FORMERLY
NO.#	NUMBER
NOM.	NOMINAL
N.T.S.	NOT TO SCALE
N.W.	NORTHWEST
NYS	NEW YORK STATE
O.D.	OUTSIDE DIAMETER
O.H.	OVERHEAD
PAVT	PAVEMENT
P.C.	POINT OF CURVATURE
P.C.P.	PLAIN CONCRETE PIPE
P.I.	POINT OF INTERSECTION
PM	PARKING METER
P.O.L.	POINT ON LINE
POLY	POLYETHYLENE
P.T.	POINT OF TANGENCY
P.V.C.P.	POLYVINYL CHLORIDE PIPE
P.V.C.	POINT OF VERTICAL CURVATURE

FEATURE	SYMBOL	
	EXISTING	PROPOSED
NATURAL		
WATERFALLS AND RAPIDS		
WATERWAYS		
SHORELINE, CANAL AND RIVER EDGE		
STREAMS & CREEKS		
SWAMP OR MARSH		
WETLAND BOUNDARY, SWAMP & MARSH OUTLINE		
FEDERAL WETLAND		
STATE WETLAND		
FEDERAL/STATE WETLAND		
ADJACENT AREA		
WOODED AREA OUTLINE		
BRUSH LINE		
HEDGE ROW		
DECIDUOUS TREE ROW		
CONIFEROUS TREE ROW		
FOUNDATION PLANTING		
DECIDUOUS SHRUB		
DECIDUOUS TREE		
CONIFEROUS SHRUB		
CONIFEROUS TREE		
STUMP		
TREE REMOVAL DECIDUOUS & CONIFEROUS		
RIP RAP		
BOULDER		

ABBREVIATIONS	
P.V.I.	POINT OF VERTICAL INTERSECTION
P.V.T.	POINT OF VERTICAL TANGENCY
R	RADIUS OF CURVE
R.C.P.	REINFORCED CONCRETE PIPE
RCS	ROCHESTER CITY SURVEY
(R)	RECORD MAP INFORMATION
ROE	ROCHESTER GAS & ELECTRIC CORP.
R.O.W.	RIGHT-OF-WAY
RT	RIGHT
RTC	ROCHESTER TELEPHONE CORP.
RTS	ROCHESTER TOPOGRAPHIC SURVEY
R/W	RETAINING WALL
R/W/W	ROCHESTER WATER WORKS
SAN.	SANITARY
S.E.	SOUTHEAST
S.F.	SQUARE FOOT
S.P.	STAND PIPE
SQ. IN.	SQUARE INCH
ST.	STORM
STA.	STATION
ST. BOX	STONE BOX
SW	SIDEWALK
S.W.	SOUTHWEST
S.Y.	SQUARE YARD
T.B.M.	TEMPORARY BENCH MARK
T.C.	TOP OF CURB
TCC	TRAFFIC CONTROLLER CABINET
T.G.	TOP OF GRATE
T.G.L.	THEORETICAL GRADE LINE
T.S.V.&B.	TAPPING SLEEVE, VALVE & BOX
TYP.	TYPICAL
USC&GS	UNITED STATES COAST & GEODETIC SURVEY
V.C.P.	VITRIFIED CLAY PIPE
V.T.P.	VITRIFIED TILE PIPE
WD.	WOOD
WR.ST.	WRAPPED STEEL
WS	WATER SERVICE
WN.	WINDOW
W.I.F.	WROUGHT IRON FENCE
W.M.	WATER METER
W.V.	WATER VALVE
WW	WINDOW WELL
X.V.C.P.	EXTRA STRENGTH VITRIFIED CLAY PIPE

FEATURE	SYMBOL	
	EXISTING	PROPOSED
SOIL EROSION CONTROL		
CONSTRUCTION FENCE		
SILT FENCE		
VEGETATION FENCE		
SILT/VEGETATION FENCE		
HAYBALE/STRAWBALE EROS. CONTROL		
CHECK DAM (SILT FENCE)		
CHECK DAM (HAYBALE/STRAWBALE)		
CHECK DAM (STONE)		
MAINTENANCE & PROTECTION OF TRAFFIC		
TEMPORARY CONCRETE BARRIER		
TEMPORARY CONCRETE BARRIER (LIGHTED)		
CONSTRUCTION BARRICADE		
CONSTRUCTION BARRICADE (LIGHTED)		
PLASTIC DRUM		
PLASTIC DRUM (LIGHTED)		
FLASHING ARROW BOARD		
CONE		
FLAGGER		
DRAINAGE		
OPEN DITCHES FLAT BOTTOM		
OPEN DITCHES V SHAPED		
CATCHBASIN		
STORM SEWER MANHOLE		
ADJUST STORM SEWER MANHOLE FRAME AND COBER		
END SECTION		
FIELD INLETS		
HEADWALL		
GRATE		
DWY. & FIELD PIPE, STORM SEWER & PIPE CULVERT		
DRAINAGE, PIPE OR SUMP INVERT		
TRAFFIC CONTROL		
BILLBOARD - 2 POST SIGN		
SINGLE POST & DOUBLE POST SIGN		
OVERHEAD SIGN		
REFERENCE MARKER/ DELINEATOR		
SIGNAL POLE		
TRAFFIC SIGNAL HEAD		
TRAFFIC SIGNAL SIGN		
PEDESTRIAN POLE/SIGNALS		
TRAFFIC CONTROL BOX POLE MOUNTED		
TRAFFIC CONTROL BOX GROUND MOUNTED		
TRAFFIC PULL BOX		
TRAFFIC SIGNAL CONDUIT		
LOOP DETECTOR		

FEATURE	SYMBOL	
	EXISTING	PROPOSED
UTILITIES		
GUY WIRE		
UTILITY POLE		
UTILITY POLE W/LIGHT		
DAVIT LIGHT POLE		
POST TOP LIGHT POLE		
ELECTRIC METER		
ELECTRIC PULLBOX		
ELECTRIC MANHOLE		
UNDERGROUND ELECTRIC		
TRANSFORMER LINES & TOWER		
STREET LIGHTING PULLBOX		
STREET LIGHTING HANDHOLE		
UNDERGROUND STREET LIGHTING		
GAS FILL CAP		
GAS VENT		
GAS SERVICE		
GAS VALVE		
GAS METER		
GAS MANHOLE		
UNDERGROUND GAS LINE		
TELEPHONE JUNCTION BOX		
TELEPHONE PULLBOX		
TELEPHONE MANHOLE		
UNDERGROUND TELEPHONE		
CABLE TV JUNCTION BOX		
CABLE TV PULLBOX		
UNDERGROUND CABLE TV		
WATER CURB STOP		
WATER VALVE		
PITOMETER TAP		
DISINFECTION AND SAMPLING TAP		
WATER METER		
FIRE HYDRANT		
REDUCER		
WATER MANHOLE		
UNDERGROUND WATER SERVICE		
UNDERGROUND WATER MAIN		
SANITARY SEWER CLEANOUT		
SANITARY SEWER MANHOLE		
ADJUST SANITARY SEWER MANHOLE FRAME AND COVER		
UNDERGROUND SANITARY SEWER		
UTILITY MARKER		

PROJECT NO.	192500267
DRAWING NO.	LA-1
SHEET	3 OF 38

PROJECT ENGINEER/ARCHITECT	K. STEITNER
PROJECT MANAGER	J. HOFFMANN
DRAWN BY	S. MILLER
SCALE	NO SCALE
FIRST ISSUE DATE	7/25/2011

STANTEC CONSULTING SERVICES INC.	61 Commercial Street Rochester, NY 14614 Tel: (585) 475-1440 Fax: (585) 272-1814 www.stantec.com
----------------------------------	--

PROJECT	UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT CITY OF ROCHESTER, NEW YORK
TITLE OF DRAWING	LEGEND AND ABBREVIATIONS

REVISIONS	DATE	BY
6		
5		
4		
3		

Plotting Parameters
 Plotted By: jstettner
 Design File: U:\192500267\Transportation\Drawings\Plan_Swift\TS-01.dgn
 Plotted: 7/28/2011
 Time: 11:45:17 AM

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

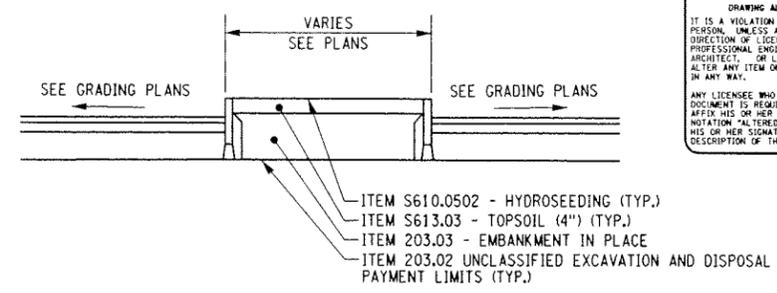
PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 NO SCALE
 FIRST ISSUE DATE
 7/28/2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

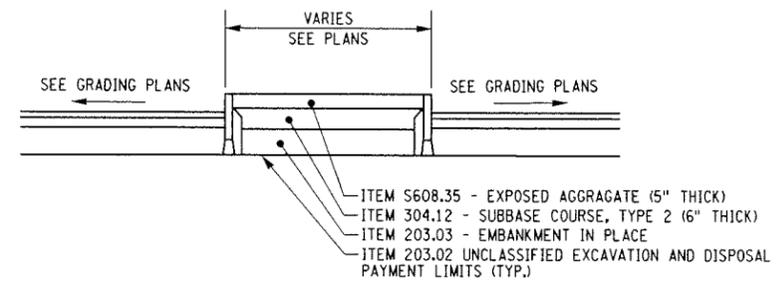


PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 TYPICAL SECTIONS

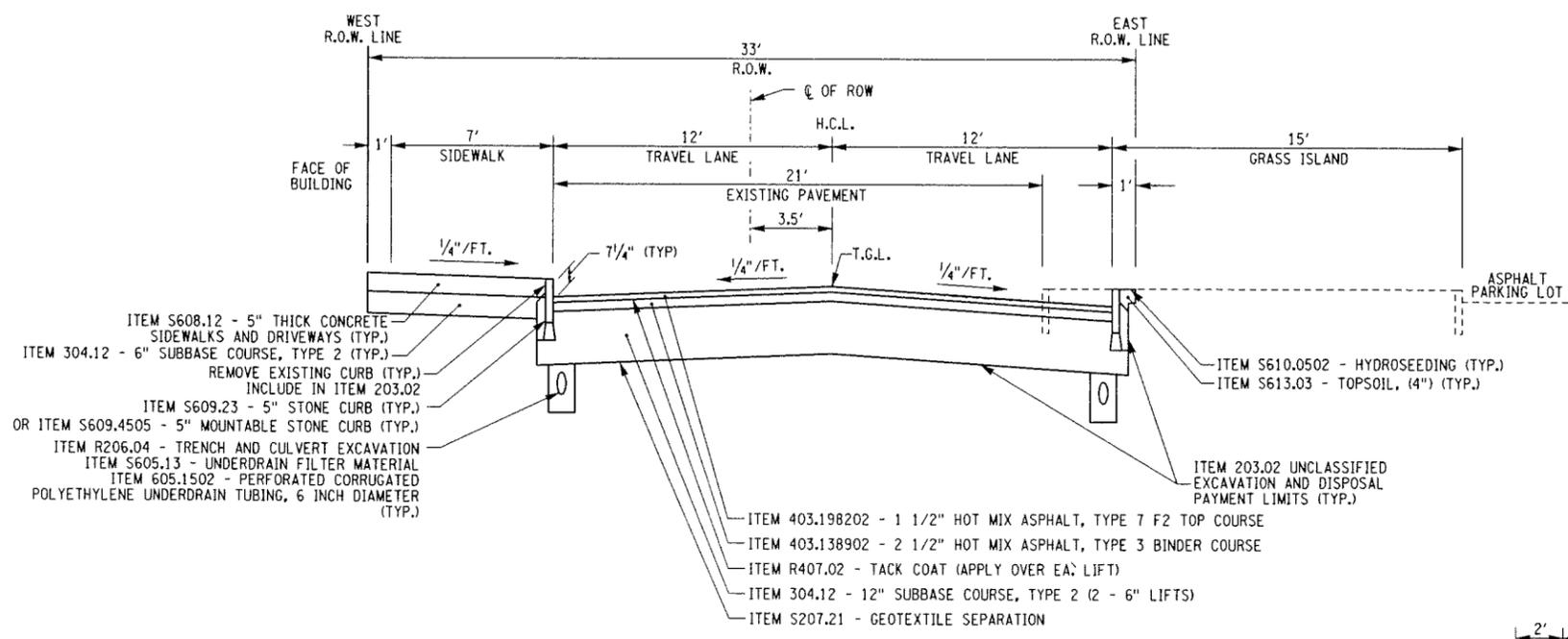
PROJECT NO
 192500267
 DRAWING NO
 TS-1
 SHEET 5 OF 3



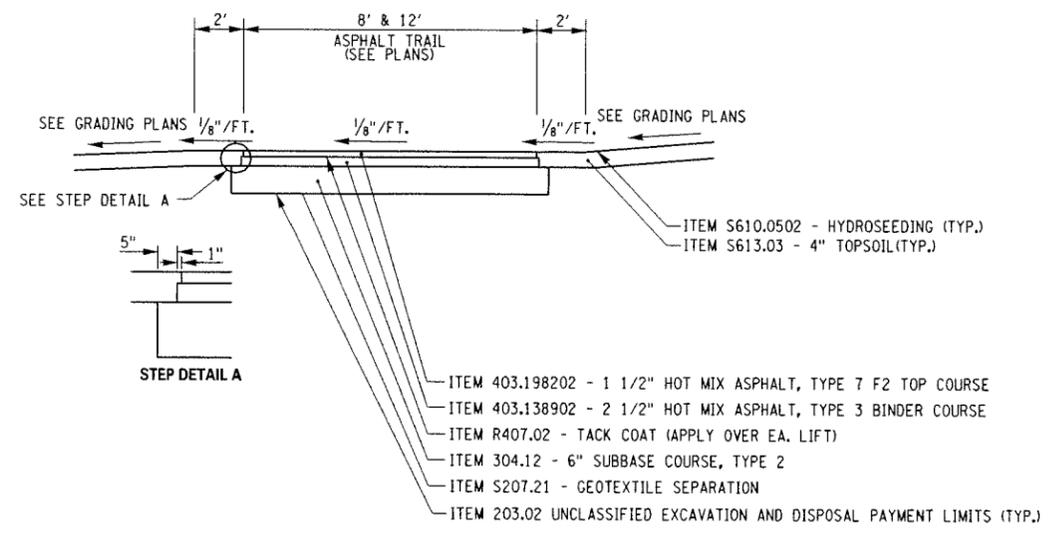
TYPICAL SECTION - GRASS ISLANDS



TYPICAL SECTION - CONCRETE ISLANDS

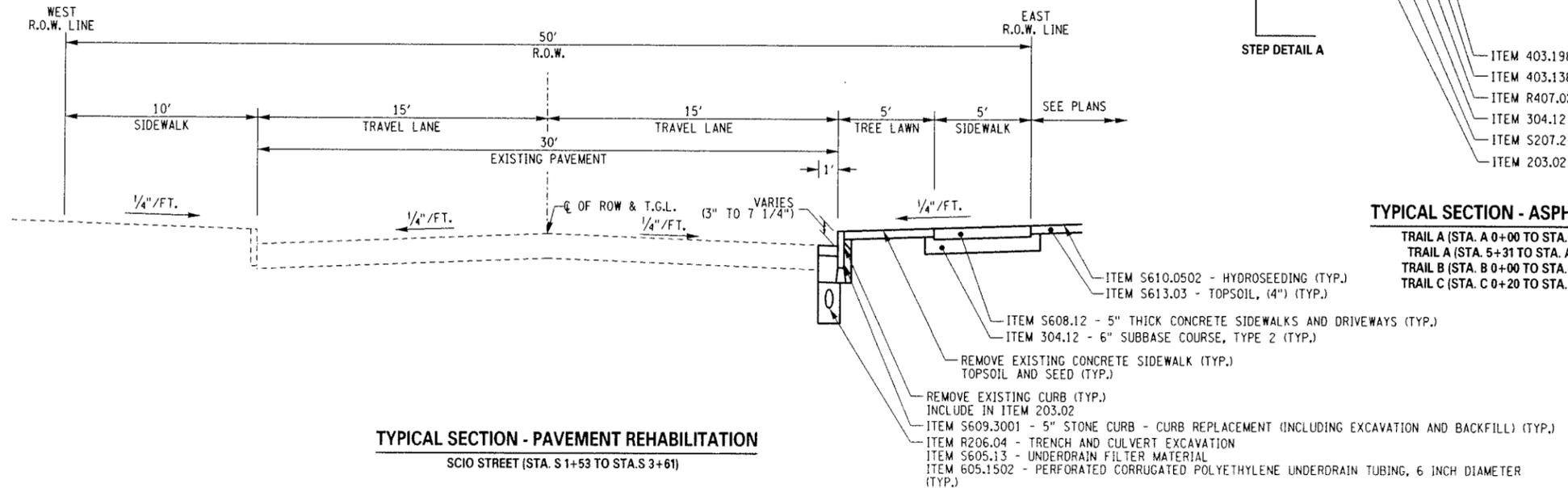


TYPICAL SECTION - PAVEMENT RECONSTRUCTION
HEBERD STREET (STA. H 8+68 TO STA. H 9+83)



TYPICAL SECTION - ASPHALT TRAIL

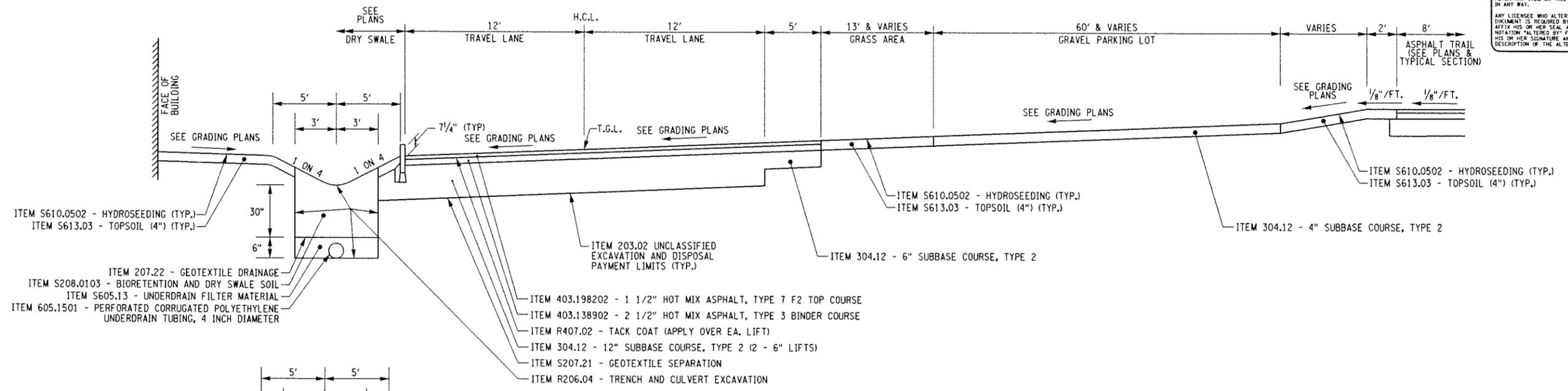
TRAIL A (STA. A 0+00 TO STA. A 4+63)
 TRAIL A (STA. 5+31 TO STA. A 6+04)
 TRAIL B (STA. B 0+00 TO STA. B 3+02)
 TRAIL C (STA. C 0+20 TO STA. C 3+28)



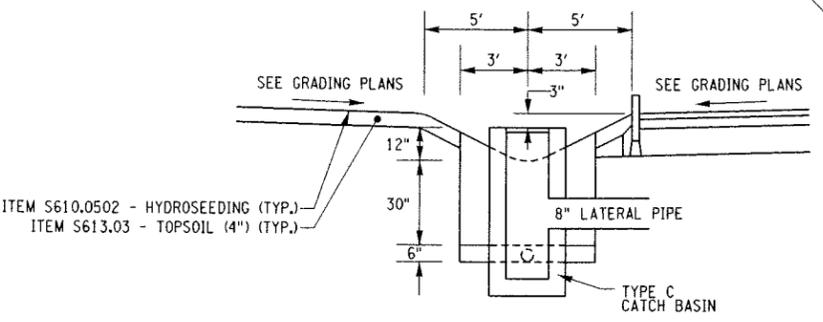
TYPICAL SECTION - PAVEMENT REHABILITATION
SCIO STREET (STA. S 1+53 TO STA. S 3+61)

Project Information:
 Design: DiGirolamo Associates
 Project: Embury
 Note: 1/20/11
 Plotted: 7/28/2011
 Time: 11:45:58 AM

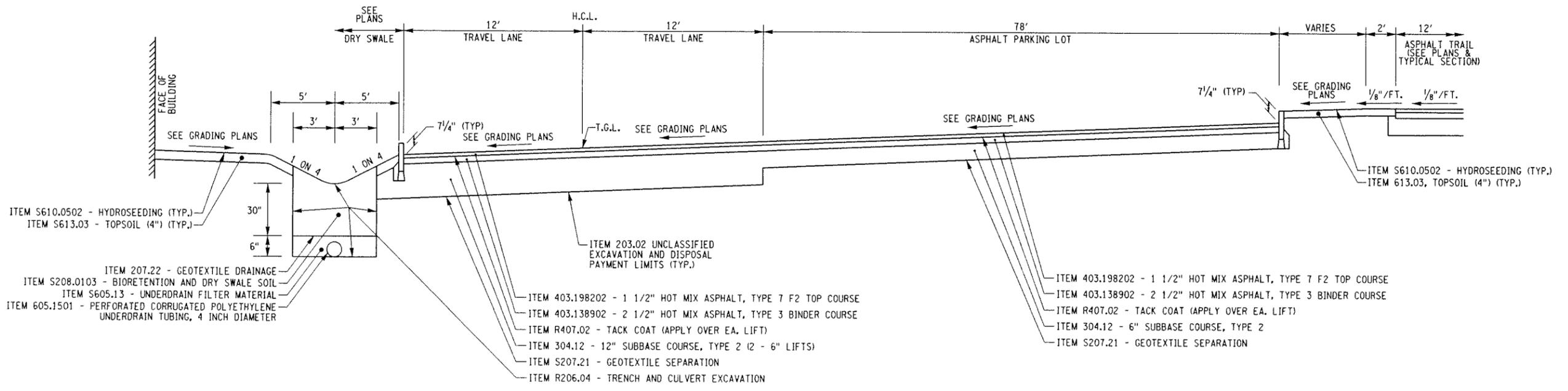
COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY
 PERSON, UNLESS ACTING UNDER THE
 DIRECTION OF LICENSED ARCHITECT,
 PROFESSIONAL ENGINEER, LANDSCAPE
 ARCHITECT, OR LAND SURVEYOR TO
 ALTER ANY ITEM ON THIS DOCUMENT
 IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS
 DOCUMENT IS REQUIRED BY LAW TO
 AFFIX HIS OR HER SEAL AND THE
 NOTATION "ALTERED BY" FOLLOWED BY
 HIS OR HER SIGNATURE AND SPECIFIC
 DESCRIPTION OF THE ALTERATIONS.



TYPICAL SECTION - PAVEMENT RECONSTRUCTION
 ACCESS ROAD (STA. AR 10+00 TO STA AR 13+10)



**TYPICAL SECTION - DRY SWALE
 AT CATCH BASIN**



TYPICAL SECTION - PAVEMENT RECONSTRUCTION
 ACCESS ROAD (STA. AR 13+10 TO STA AR 15+76)

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STEITNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 NO SCALE
 FIRST ISSUE DATE
 7/25/2011

STANTEC CONSULTING
 SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com



PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 TYPICAL SECTIONS

PROJECT NO
 192500267
 DRAWING NO
 TS-2
 SHEET 6 OF 38

Plotting Parameters
 Plotted By: kshelton
 Design File: U:\192500267\Transportation\Design\Drawings\Plan Set\MTMT-01.dgn
 Plotter: 7/28/2011
 Time: 11:32:20 AM

DRIVEWAY TABLE

LOCATION	DRIVEWAY MATERIAL	CURB			DRIVEWAY WIDTH	DRIVEWAY LENGTH	ADDRESS	ITEM NUMBER	
		HEADER LENGTH	TRANS LENGTH	HEADER REVEAL				APRON	DRIVEWAY
ACCESS ROAD									
AR 10+15	CONCRETE	30'	6'	1.5"	24'	0'	ENTRANCE OFF OF SCIO STREET (DEPRESSED)	S608.12	---
ACCESS ROAD - LEFT SIDE									
AR 11+89	ASPHALT	20'	5'	1.5"	20'	36'	#566 SCIO STREET / #29 HEBARD STREET	S608.16	S608.16
AR 13+22	ASPHALT	16'	5'	1.5"	16'	36'	#29 HEBARD STREET	S608.16	S608.16
AR 14+33	ASPHALT	12'	5'	1.5"	12'	36'	#29 HEBARD STREET	S608.16	S608.16
AR 14+59	ASPHALT	12'	5'	1.5"	12'	36'	#29 HEBARD STREET	S608.16	S608.16
AR 15+02	ASPHALT	16'	5'	1.5"	16'	26'	#29 HEBARD STREET	S608.16	S608.16
TRAIL A									
A 0+00	ASPHALT	12'	3'	0"	12'	0'	TRAIL A ENTRANCE ON HEBARD STREET	---	---
A 6+03	ASPHALT	30.3'	3'	0"	17'	0'	TRAIL A ENTRANCE AT PUBLIC MARKET	---	---
TRAIL B									
B 0+00	ASPHALT	12'	3'	0"	12'	0'	TRAIL B ENTRANCE FROM NEW PARKING LOT	---	---

PAYMENT WILL BE MADE UNDER:

ITEM NO. S608.12 CONCRETE SIDEWALK AND DRIVEWAY CUBIC YARD
 ITEM NO. S608.16 ASPHALT DRIVEWAY - MEDIUM DUTY SQUARE FOOT

NOTES:

- FLARE LENGTH SHOWN IS FOR EACH SIDE OF THE DRIVEWAY.
- DRIVEWAY LENGTHS ARE MEASURED AT THE BACK OF SIDEWALK OR CURB AND EXTEND INTO THE PROPERTY.
- THE CONTRACTOR MAY BE REQUIRED TO SAWCUT WHERE THE EXISTING AND PROPOSED DRIVEWAY MEET. THE COST TO BE INCLUDED IN ITEM S608.12 OR ITEM S608.16.
- SEE MD-2 FOR DRIVEWAY SECTIONS.
SEE MD-2 FOR DRIVEWAY LAYOUT DETAILS.

SIDEWALK TABLE

LOCATION		LENGTH (FT)	WIDTH (FT)	THICKNESS (IN)	AREA (SF)	ITEM NUMBER	REMARKS
FROM	TO						
SCIO STREET - RIGHT SIDE							
S 1+53	S 3+61	207.2	5 & VARIES	5 & VARIES	1345	S608.12	SIDEWALK REPLACEMENT ALONG SCIO ST
HEBARD STREET							
AR 15+24, LT.	H 9+90, LT.	80	7 & VARIES	VARIES	526	S608.12	NW CORNER OF ACCESS RD AND HEBARD ST
TRAIL A							
A 2+41, LT.	A 2+75, LT.	30	VARIES	VARIES	675	S608.12	CONNECTION BETWEEN TRINIDAD LOT AND TRAIL A
A 5+95, LT.	A 6+00, LT.	4	4	5	16	S608.12	DECORATIVE POLE PAD
A 6+03, RT.	A 6+08, RT.	4	4	5	16	S608.12	DECORATIVE POLE PAD
CURB POINT 63	CURB POINT 67	VARIES	VARIES	VARIES	310	S608.35	CURB ISLAND IN PUBLIC MARKET
TRAIL C							
C 0+10	C 0+20	10	8	5	80	S608.12	TRAIL C CONNECTION TO SCIO ST

PAYMENT WILL BE MADE UNDER:

ITEM NO. S608.12 CONCRETE SIDEWALK AND DRIVEWAY CUBIC YARD
 ITEM NO. S608.35 EXPOSED AGGREGATE CONCRETE CUBIC YARD

NOTES:

- THE CONTRACTOR MAY BE REQUIRED TO SAWCUT THE EXISTING SIDEWALK WHERE PROPOSED AND EXISTING MEET. THE COST TO BE INCLUDED IN PRICE BID FOR SIDEWALK ITEMS.
- CONCRETE SIDEWALK THICKNESS TO BE 7" AT DRIVEWAYS AND SIDEWALK RAMPS. SEE DRIVEWAY AND SIDEWALK RAMP TABLES FOR LOCATIONS.
- FOR ADDITIONAL INFORMATION SEE SIDEWALK RAMP TABLE FOR MATERIALS AND TYPE.

TREE REMOVAL TABLE

STATION	SIDE	REMARKS
HEBARD STREET		
H 9+01	LT.	3" ORNAMENTAL (SEE NOTE 1)
TRAIL A		
A 0+06	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 0+36	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 1+06	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 1+63	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 1+66	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 1+74	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 2+30	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 2+91	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 3+02	LT.	2" ORNAMENTAL (SEE NOTE 1)
A 3+04	LT.	2" ORNAMENTAL (SEE NOTE 1)

NOTES:

- COST TO REMOVE THIS TREE SHALL BE INCLUDED IN THE PRICE BID FOR CLEARING AND GRUBBING, ITEM 201.06.

SIDEWALK RAMP TABLE

LOCATION	TYPE	S608.380601 (SF)	HEADER CURB (LF)
SCIO STREET - RIGHT SIDE			
S 1+77	B	10	5
ACCESS ROAD - LEFT SIDE			
AR 15+27	C	10	5
TRAIL A			
A 2+52, LT.	B	10	5
CURB POINT 64	B	16	8

PAYMENT WILL BE MADE UNDER:

ITEM NO. S608.380601 PRECAST BRICK DETECTABLE SQUARE
 WARNING SYSTEM FOOT

NOTES:

- THE CONTRACTOR MAY BE REQUIRED TO SAWCUT THE EXISTING SIDEWALK WHERE PROPOSED AND EXISTING MEET. THE COST TO BE INCLUDED IN PRICE BID FOR SIDEWALK ITEMS.
- SEE MD-3 FOR ASPHALT SIDEWALK RAMP DETAILS.
- SEE SIDEWALK TABLE FOR ADDITIONAL INFORMATION.

FENCE TABLE

LOCATION		S660.9999 (EA)	S607.320699 (LF)	S607.330899 (LF)	S607.5006 (LF)	S607.5008 (LF)	REMOVALS	REMARKS
FROM	TO							
S 1+61, RT.	S 3+57, RT.	4			112	31		NEW 6' & 8' GREEN DECORATIVE FENCE WITH DECORATIVE COLUMNS (SEE NOTE 1)
C 0+17, RT.	A 4+64, RT.		956					NEW 6' BLACK VINYL COATED CHAIN LINK FENCE
A 3+08, RT.	A 3+08, LT.		36					NEW 6' BLACK VINYL COATED CHAIN LINK FENCE WITH A 16 FT DOUBLE LEAF GATE (SEE NOTE 2)
A 4+48, LT.	A 4+63, LT.				34			NEW 6' GREEN DECORATIVE FENCE
A 4+58, LT.	A 4+66, LT.					30		REMOVE EXISTING RAILING (SEE NOTE 3)
A 5+26, LT.	A 5+72, LT.					42		REMOVE EXISTING RAILING AND FENCE (SEE NOTE 3)
A 5+31, LT.	A 5+65, LT.				35			NEW 6' GREEN DECORATIVE FENCE
A 5+31, RT.	A 5+73, RT.		69					NEW 6' BLACK VINYL COATED CHAIN LINK FENCE
A 5+65, LT.	A 5+90, LT.					22		NEW 8' GREEN DECORATIVE FENCE
A 5+73, RT.	A 6+32, RT.		217					NEW 8' GREEN VINYL COATED CHAIN LINK FENCE WITH PDS SLATS AND A 16 FT DOUBLE LEAF GATE (SEE NOTE 2)
A 5+90, LT.	A 6+40, RT.					288		REMOVE EXISTING CHAIN LINK FENCE AND GATES (SEE NOTE 3)

PAYMENT WILL BE MADE UNDER:

ITEM NO. S660.9999 DECORATIVE FENCE COLUMN EACH
 ITEM NO. S607.320699 X' CHAIN LINK FENCE WITH VINYL COATING LINEAR FOOT
 ITEM NO. S607.330899 X' CHAIN LINK FENCE WITH PDS SLATS AND VINYL COATING LINEAR FOOT
 ITEM NO. S607.500X X' DECORATIVE FENCE LINEAR FOOT

NOTES:

- SEE DWG. A-1 FOR PLAN AND ELEVATION VIEW OF THE DECORATIVE FENCE AND COLUMNS ALONG SCIO STREET.
- THE DOUBLE LEAF GATE SHALL HAVE THE ABILITY TO BE LOCKED, COST TO BE INCLUDED IN PRICE BID FOR FENCE ITEMS.
- EXISTING FENCING AND POSTS TO BE REMOVED SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 201.06.

REMOVABLE BOLLARD TABLE

STATION	OFFSET	S615.99 (EA)
A 0+05	0.0'	1
A 5+50	0.0'	1
B 0+05	0.0'	1
C 0+23	0.0'	1

PAYMENT WILL BE MADE UNDER:

ITEM NO. S615.99 DECORATIVE METAL BOLLARD EACH
 (REMOVABLE)

COPYRIGHT © 2011 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 NO SCALE
 FIRST ISSUE DATE
 7/25/2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, N.Y. 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com


PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 MISCELLANEOUS TABLES

PROJECT NO
 192500267
 DRAWING NO
 MT-1
 SHEET 7 OF 38

Plotting Parameters:
 Plotted By: kshelton
 Design File: U:\192500267\Transportation\Drawings\Plan_S&M\MD-01.dgn
 Plotted: 7/28/2011
 Time: 11:46:07 AM

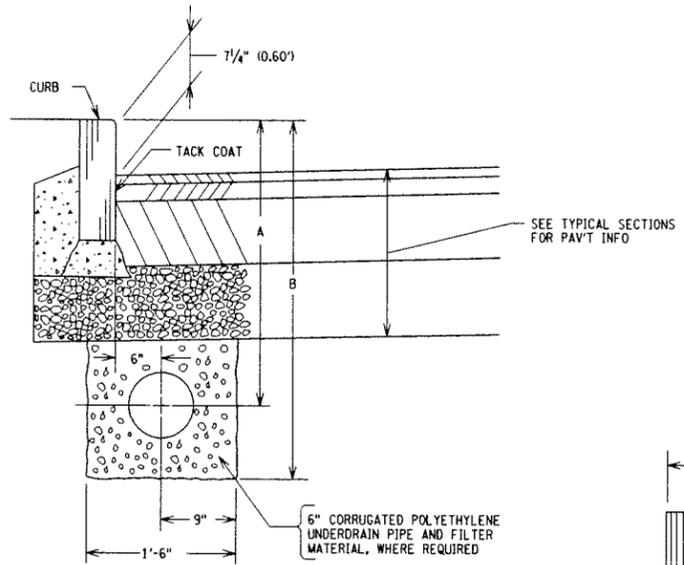
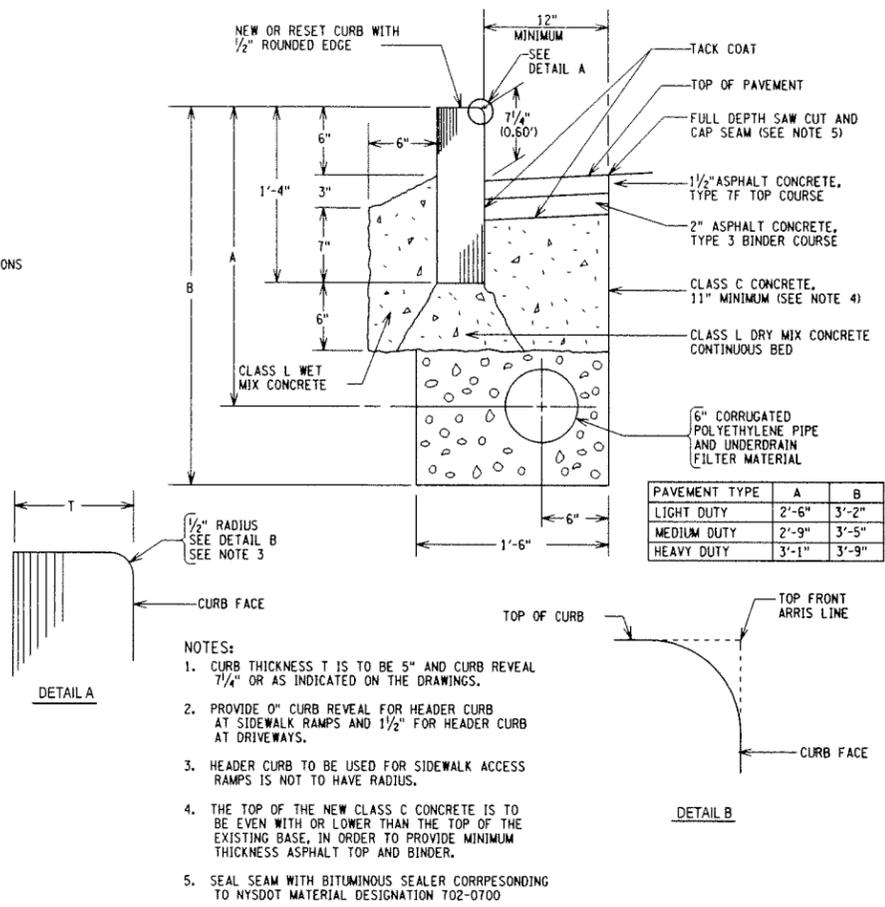


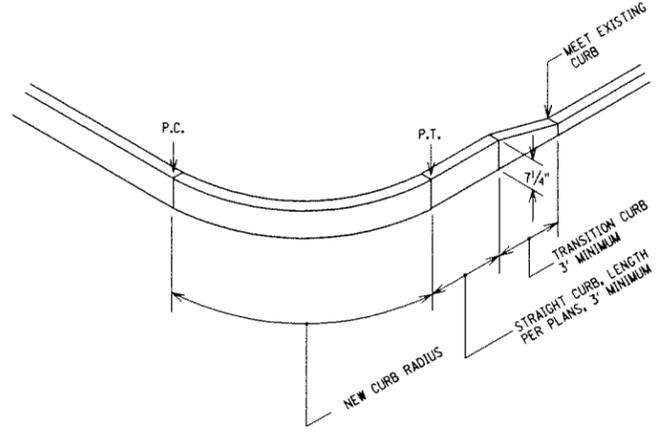
TABLE A
 UNDERDRAIN DEPTH DIMENSION

PAVEMENT TYPE	A	B
LIGHT DUTY	2'-6"	3'-2"
MEDIUM DUTY	2'-9"	3'-5"
HEAVY DUTY	3'-1"	3'-9"

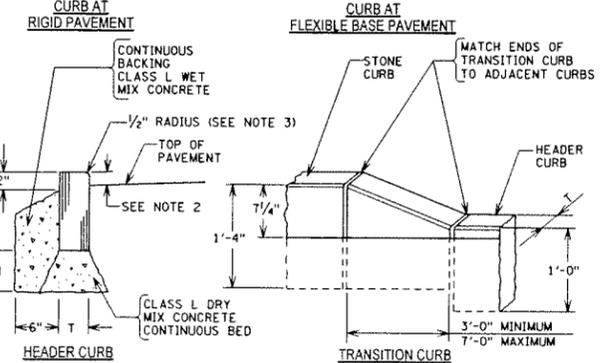
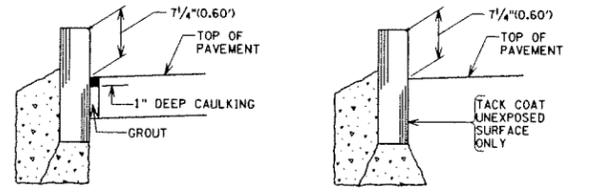
ASPHALT PAVEMENT SECTION WITH CURB
 R400-1 (MOD.) REV 1-15-01



STONE CURB CURB ONLY REPLACEMENT
 S609-13 REV 3-2-01

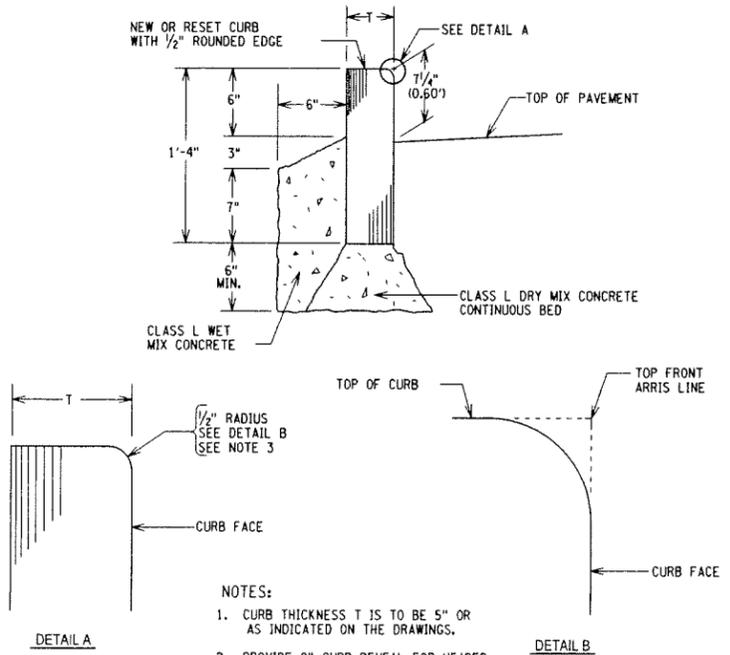


NEW CURB TRANSITION TO EXISTING CURB
 R609-7 REV 10-21-03

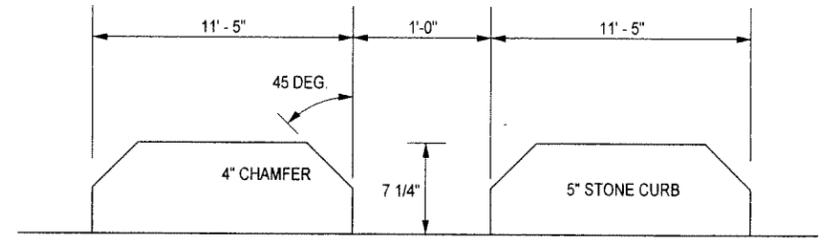


- NOTES:
 1. CURB THICKNESS T IS TO BE 5" OR AS INDICATED ON THE DRAWINGS.
 2. PROVIDE 0" CURB REVEAL FOR HEADER CURB AT SIDEWALK RAMPS AND 1/2" CURB REVEAL FOR HEADER CURB AT DRIVEWAYS.
 3. ALL CURB, EXCEPT HEADER CURB USED FOR SIDEWALK ACCESS RAMPS, IS TO HAVE THE 1/2" RADIUS.

STONE CURB
 R609-1 REV 10-21-03

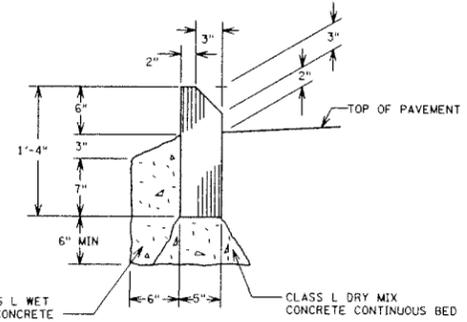


STONE CURB
 S609-12 REV 3-2-01



SLOTTED CURB

- NOTES:
 1. AT DRIVEWAY LOCATIONS, A CONTINUOUS HEADER CURB SHALL BE INSTALLED PER THE DRIVEWAY DETAILS ON MD-2.



MOUNTABLE CURB
 R609-3 REV 1-24-94

COPYRIGHT © 2011 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

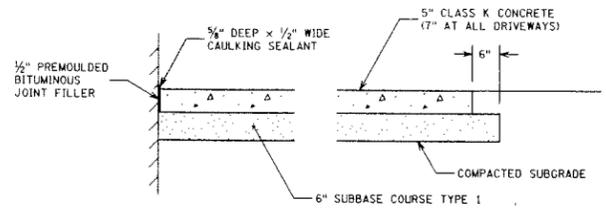
PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 NO SCALE
 FIRST ISSUE DATE
 7/28/2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (565) 475-1440
 Fax: (565) 272-1814
 www.stantec.com

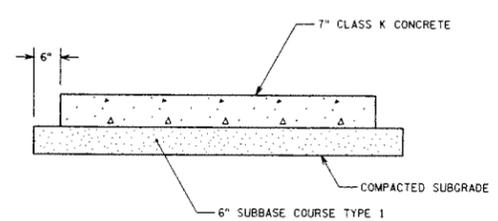
PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 MISCELLANEOUS DETAILS

PROJECT NO
 192500267
 DRAWING NO
 MD-1
 SHEET 10 OF 38

Project Parameters
 Plotted By: ksteltner
 Design File: U:\192500267\Transportation\Design\Drawings\Plan Set\MD-02.dgn
 Plotted: 7/25/2011
 Time: 11:48:09 AM

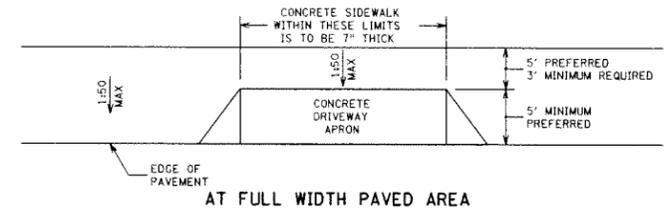


ADJACENT TO WALL OR BUILDING ADJACENT TO LAWN AREA

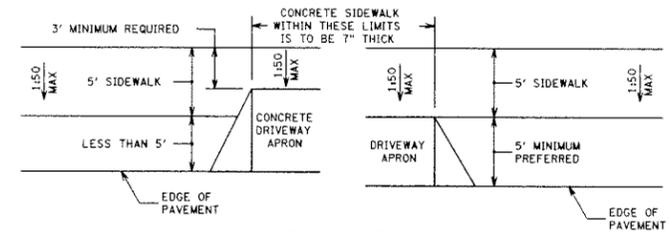


- NOTES:**
1. MAXIMUM CROSS-SLOPE OF SIDEWALK IS 1:50.
 2. ENTIRE AREA OF SIDEWALK ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
 3. SEE DETAIL S608-25 FOR HEAVY-DUTY COMMERCIAL DRIVEWAY PAVEMENT SECTION.

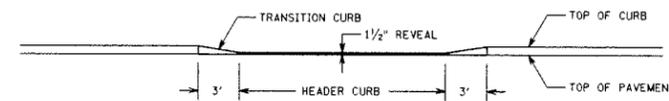
CONCRETE SIDEWALK & DRIVEWAY SECTION
R608-6 REV 11-10-09



AT FULL WIDTH PAVED AREA



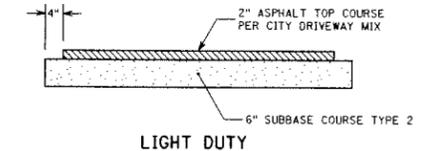
AT LAWN AREA



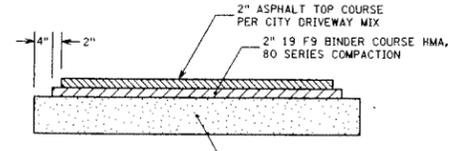
SECTIONS WITH CURB

- NOTES:**
1. NOMINAL RESIDENTIAL DRIVEWAY APRON WIDTH IS TO BE BETWEEN 10 FEET AND 15 FEET, NOT INCLUDING TRANSITION AREAS. ACTUAL WIDTH WILL BE AS APPROVED OF BY CITY.
 2. NOMINAL MAXIMUM WIDTH OF COMMERCIAL DRIVEWAY APRON IS TO BE 24 FEET. ACTUAL WIDTH WILL BE AS APPROVED OF BY CITY.

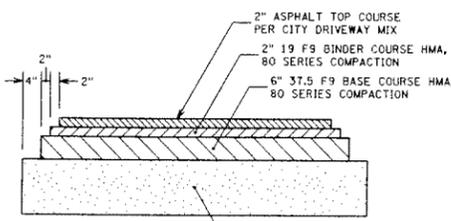
DRIVEWAY APRON
R608-5 REV 11-10-09



LIGHT DUTY

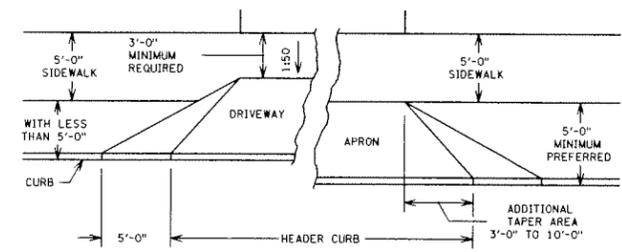


MEDIUM DUTY

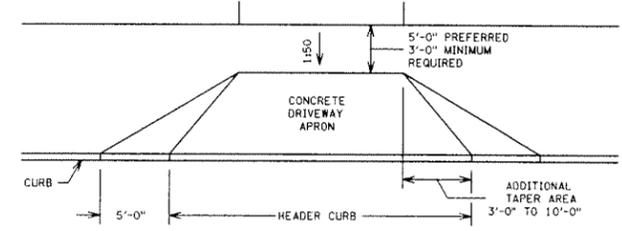


HEAVY DUTY

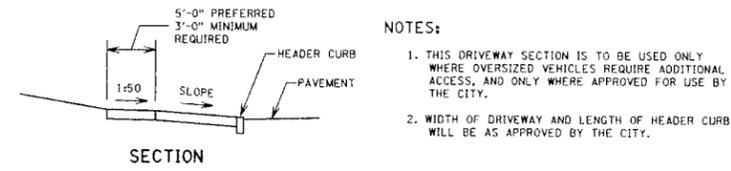
ASPHALT DRIVEWAY SECTIONS
R608-7 REV 11-10-09



GRASS AREA

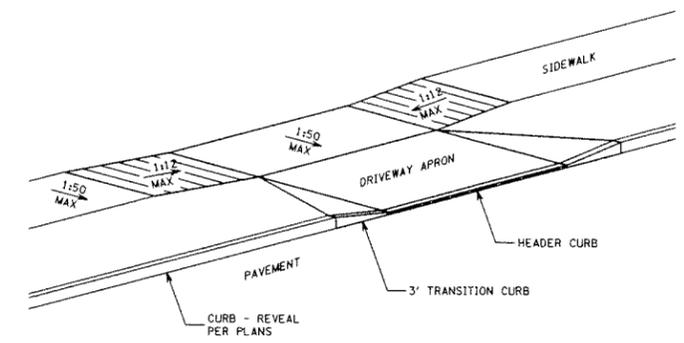


FULL WIDTH PAVED AREA

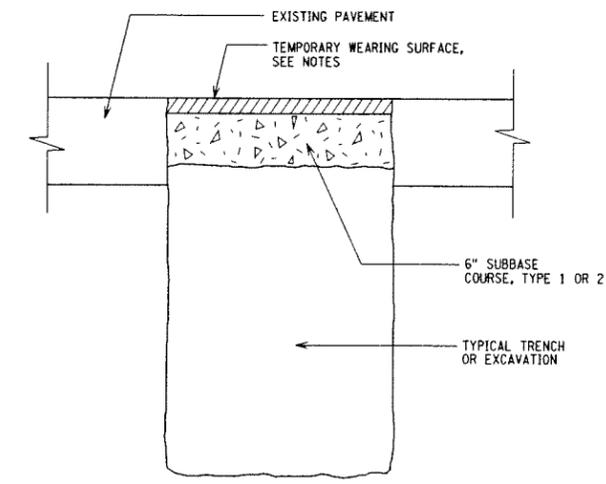


COMMERCIAL DRIVEWAY APRON FOR OVERSIZED VEHICLES
S608-24 REV 10-18-02

- NOTES:**
1. THIS DRIVEWAY SECTION IS TO BE USED ONLY WHERE OVERSIZED VEHICLES REQUIRE ADDITIONAL ACCESS, AND ONLY WHERE APPROVED FOR USE BY THE CITY.
 2. WIDTH OF DRIVEWAY AND LENGTH OF HEADER CURB WILL BE AS APPROVED BY THE CITY.



DEPRESSED SIDEWALK AT DRIVEWAY
S608-17 REV 11-10-09



- NOTES:**
1. TEMPORARY PAVEMENT MATERIAL IS TO BE 2 INCHES THICK ASPHALT CONCRETE OR RECYCLED ASPHALT MATERIAL. ASPHALT COLD PATCH AND UNTREATED MILLING MATERIALS ARE UNACCEPTABLE FOR USE.
 2. DURING WINTER SEASON (NOVEMBER 1 THRU APRIL 14), IF A HOT MIX ASPHALT MATERIAL IS NOT AVAILABLE, USE CLASS F CONCRETE. CONCRETE IS TO BE 4 INCHES THICK FOR ARTERIAL AND COLLECTOR STREETS, 3 INCHES THICK FOR RESIDENTIAL STREETS AND ALLEYS.
 3. TEMPORARY PAVEMENT IS TO BE PLACED WITHIN 24 HOURS AFTER BACKFILLING TRENCH OR EXCAVATION.
 4. ALL MATERIALS ARE TO BE COMPACTED TO FORM A FIRM AND SMOOTH SURFACE.

TEMPORARY PAVEMENT
R412-1 REV 9-2-98

COPYRIGHT © 2011 STANTEC
DRAWING ALTERATION
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
K. STELTNER
PROJECT MANAGER
J. HOFMANN
DRAWN BY
S. MILLER
SCALE
NO SCALE
FIRST ISSUE DATE
7/25/2011

STANTEC CONSULTING SERVICES INC.
61 Commercial Street
Rochester, N.Y. 14614
Tel: (585) 272-1440
Fax: (585) 272-1814
www.stantec.com

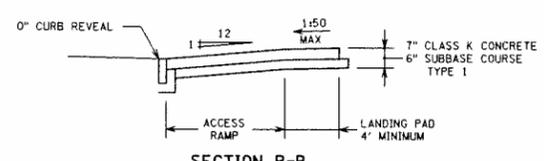
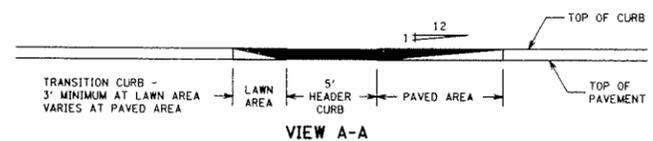
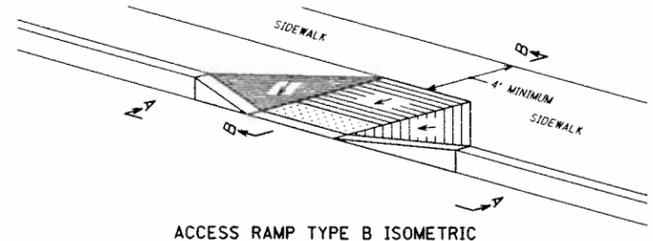
STANTEC CONSULTING SERVICES INC.
61 Commercial Street
Rochester, N.Y. 14614
Tel: (585) 272-1440
Fax: (585) 272-1814
www.stantec.com

PROJECT
UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
CITY OF ROCHESTER, NEW YORK
TITLE OF DRAWING
MISCELLANEOUS DETAILS

PROJECT NO
192500267
DRAWING NO
MD-2
SHEET 11 OF 38

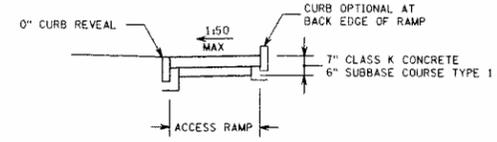
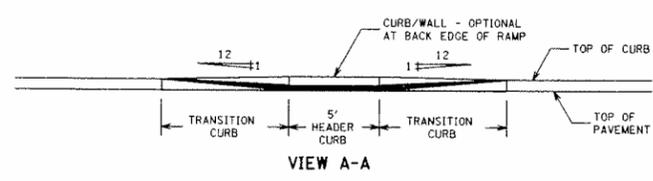
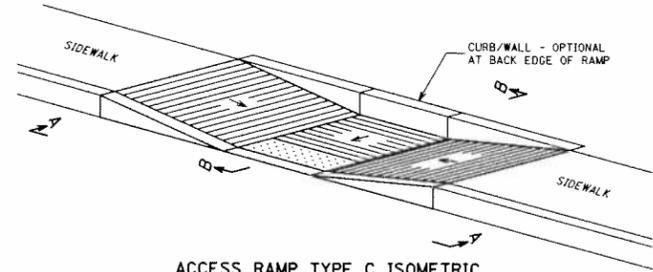
Project Name: Sidewalk Access Ramp
 Project No: 192500267
 Date: 7/25/2011
 Time: 11:46:10 AM

COPYRIGHT © 2011 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



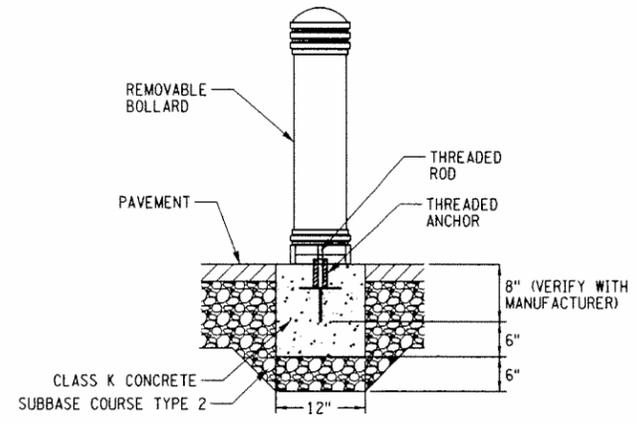
- NOTES:**
- 1:1/2 IS MAXIMUM SLOPE OF ACCESS RAMP AND SIDE FLARE IN PAVED AREA.
 - SURFACE OF ACCESS RAMP IS TO BE STABLE, FIRM AND SLIP-RESISTANT. TEXTURE SURFACE WITH COARSE BROOM RUNNING TRANSVERSE TO SLOPE OF ACCESS RAMP.
 - ENTIRE AREA OF ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
 - SEE DETAIL S608-28 FOR DETECTABLE WARNING SYSTEM.

SIDEWALK ACCESS RAMP TYPE B
R608-2 REV 11-10-09



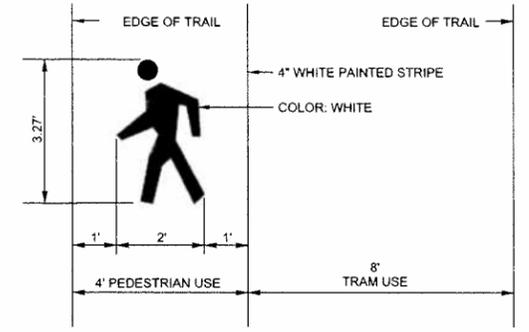
- NOTES:**
- 1:1/2 IS MAXIMUM SLOPE OF ACCESS RAMP AND SIDE FLARES.
 - SURFACE OF ACCESS RAMP IS TO BE STABLE, FIRM AND SLIP-RESISTANT. TEXTURE SURFACE WITH COARSE BROOM RUNNING TRANSVERSE TO SLOPE OF ACCESS RAMP.
 - ENTIRE AREA OF ACCESS RAMP AND LANDING PAD IS TO BE 7 INCH THICK CONCRETE.
 - SEE DETAIL S608-28 FOR DETECTABLE WARNING SYSTEM.

SIDEWALK ACCESS RAMP TYPE C
R608-3 REV 11-10-09

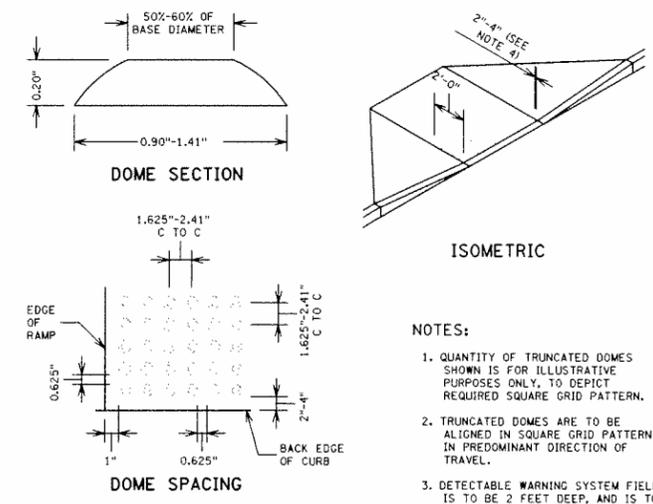


- NOTES:**
- BOLLARD SHALL BE INSTALLED PER MANUFACTURER'S RECOMMENDATION.

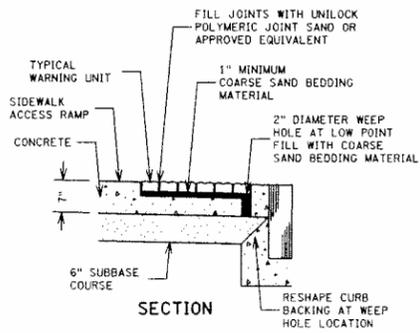
ITEM S615.99 - DECORATIVE METAL BOLLARD (REMOVABLE)



ITEM R642.05 - PEDESTRIAN PAVEMENT SYMBOL
N.T.S.



- NOTES:**
- QUANTITY OF TRUNCATED DOMES SHOWN IS FOR ILLUSTRATIVE PURPOSES ONLY, TO DEPICT REQUIRED SQUARE GRID PATTERN.
 - TRUNCATED DOMES ARE TO BE ALIGNED IN SQUARE GRID PATTERN IN PREDOMINANT DIRECTION OF TRAVEL.
 - DETECTABLE WARNING SYSTEM FIELD IS TO BE 2 FEET DEEP, AND IS TO EXTEND ACROSS FULL WIDTH OF SIDEWALK ACCESS RAMP, BUT NOT UP SIDE FLARES.
 - DETECTABLE WARNING SYSTEM FIELD IS TO BE LOCATED SUCH THAT OUTER EDGE OF WARNING FIELD NEAREST TO STREET IS 2 TO 4 INCHES OFF BACK EDGE OF CURB.
 - ENTIRE DETECTABLE WARNING SYSTEM FIELD INCLUDING TRUNCATED DOMES, IS TO BE DARK GRAY IN COLOR, PER MUNSSELL BOOK NOTATION 10B3 3/1, FEDERAL STANDARD 595B NUMBER 36081, OR APPROVED EQUIVALENT.



PRECAST BRICK DETECTABLE WARNING SYSTEM AT CURB
S608-28 REV 5-25-10



- LAYOUT:**
- CLEAR BORDER 4" ALL AROUND
 - INNER MARGIN 4" BETWEEN UPPER CITY MARK AND TEXT
 - UPPER CITY MARK TO BE 9" DIAMETER AND FLUSH WITH CLEAR BORDER
 - "CONTRACTOR" AND "FOR INFORMATION CALL" TEXT TO BE FLUSH WITH INNER MARGIN
 - LOWER CITY MARK TO BE 5" DIAMETER AND BOTTOM TO BE FLUSH WITH CLEAR BORDER
 - RIGHT SIDE MAYOR'S SIGNATURE TO BE FLUSH WITH CLEAR BORDER AND TOP TO LINE UP WITH TOP OF LOWER CITY MARK
- LETTERS:**
- PROJECT TITLE: SWISS 721 CONDENSED BOLD 4" LETTERS INITIAL CAP 2" LINE SPACING
 - CONTRACTOR AND FOR INFORMATION CALL: SWISS 721 CONDENSED BOLD 1.50" LETTERS INITIAL CAP 0.75" LINE SPACING
 - MAYOR'S SIGNATURE: SWISS 721 CONDENSED BOLD ITALIC 1.25" LETTERS INITIAL CAP 0.625" LINE SPACING
 - ROCHESTER CITY COUNCIL: SWISS 721 CONDENSED BOLD ITALIC 1.1875" LETTERS INITIAL CAP 0.625" LINE SPACING
 - CITY OF ROCHESTER: SWISS 721 CONDENSED BOLD 1.25" LETTERS INITIAL CAP

- NOTES:**
- PRIOR TO SIGN FABRICATION, CONTRACTOR MUST OBTAIN WRITTEN APPROVAL FROM CITY OF SIGN LAYOUT.
 - BOARD TO BE 6 FOOT x 4 FOOT x 1/2 INCH PLYWOOD PAINTED WITH 2 COATS WHITE EXTERIOR ENAMEL PAINT.
 - BOTTOM OF SIGN BOARD IS TO BE POSTED MINIMUM OF 5 FEET ABOVE GROUND.
 - CITY MARK AND ALL TEXT TO BE COLORED TO MATCH PMS COLOR 287C BLUE.
 - LINE TO BE 30 POINT RULE.
 - SIGN CAN BE REDUCED PROPORTIONALLY TO 3 FOOT x 2 FOOT AS REQUIRED IN CONTRACT DOCUMENTS.

PROJECT SIGN
S999-4 REV 6-2-10
MOD. 6-3-11

NO	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

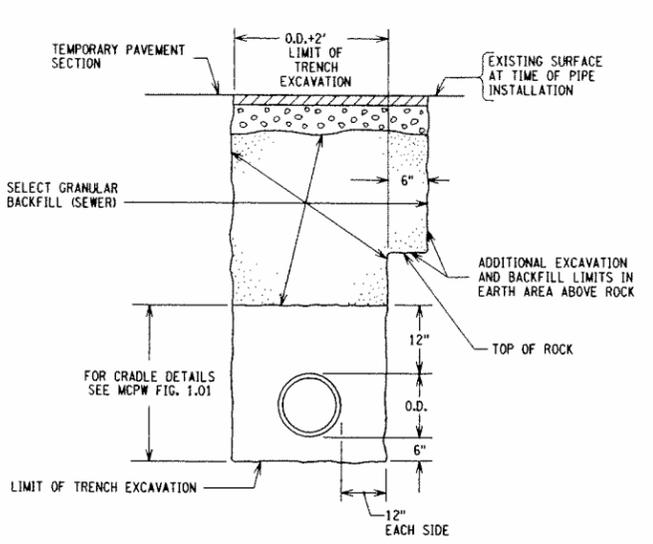
PROJECT ENGINEER/ARCHITECT
 K. STEITNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 NO SCALE
 FIRST ISSUE DATE
 7/25/2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 MISCELLANEOUS DETAILS

PROJECT NO
 192500267
 DRAWING NO
 MD-3
 SHEET 12 OF 38

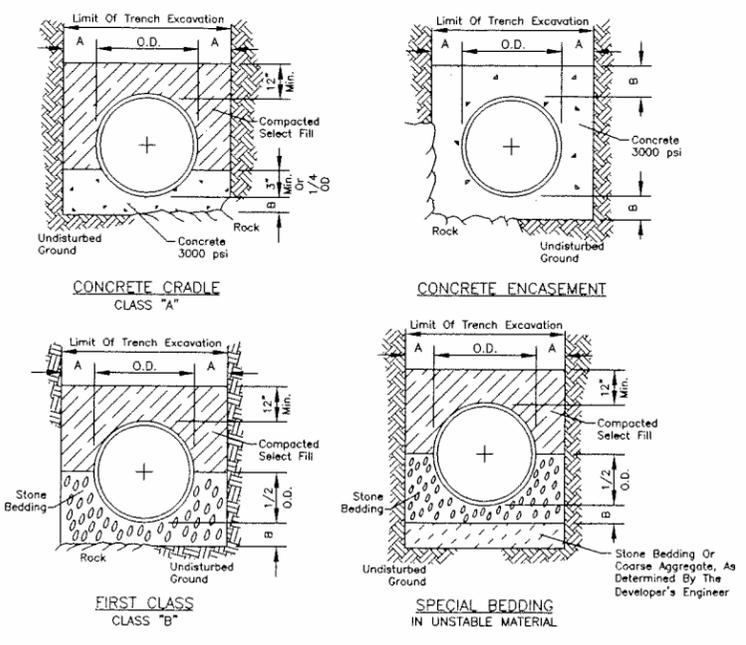
Project Parameters
 Drawing File: U:\192500267\Transportation\Design\Drawings\Plan_Sewer\MDC-04.dgn
 Printed By: J. Miller
 Design Date: 7/26/2011
 Time: 11:46:12 AM



- NOTES:
- LIMITS SHOWN ARE MAXIMUM ALLOWED AND MINIMUM REQUIRED FOR EXCAVATION AND BACKFILL.
 - UPPER PAY LIMITS FOR TRENCH EXCAVATION IS TOP OF EXISTING SURFACE, AT TIME OF TRENCH EXCAVATION.
 - UPPER PAY LIMITS FOR ROCK EXCAVATION IS TOP SURFACE OF ROCK.
 - UPPER PAY LIMIT FOR SELECT GRANULAR BACKFILL (SEWER) IS BOTTOM OF TEMPORARY PAVEMENT (IF USED), OR FINISHED SURFACE IF SELECT GRANULAR BACKFILL (SEWER) IS PLACED UP TO FINISHED SURFACE AS NOTED ON THE DRAWINGS.
 - TEMPORARY OR PERMANENT BLOCKS OR ANY OTHER TYPE OF PIPE SUPPORT IS NOT TO BE USED DURING PIPE INSTALLATION.

SEWER LATERAL TRENCH RECONSTRUCTION AREA

R601-1 (MOD.) REV 10-21-03

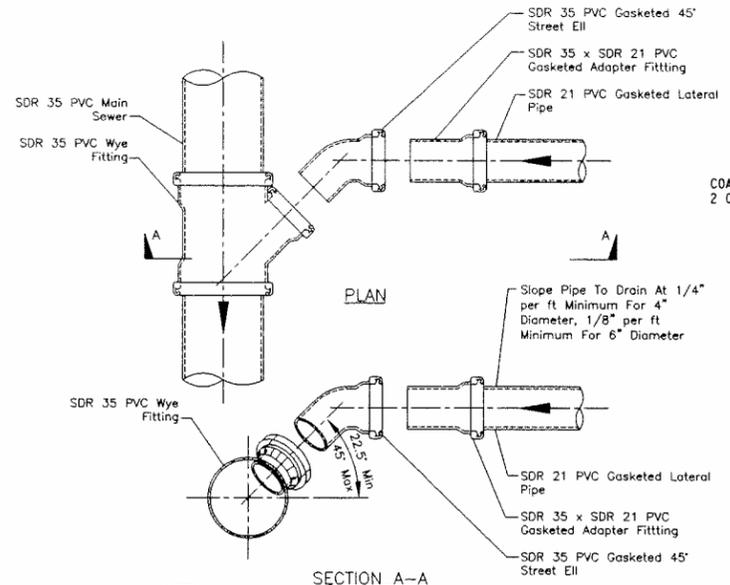


PIPE DIA.	DIM. A	DIM. B
UP TO 18"	1.0'	6"
21" TO 36"	1.5'	9"
OVER 36"	1.5'	12"

- NOTES:
- Trench backfill shall be as required by the highway owner.
 - Select fill shall be sand, gravel, and similar material which shall be free from clay, loam, organic material, debris, frozen material and shall contain only small amounts of stone, pebbles, or lumps over one inch in greatest dimension, but none over two inches in greatest dimension.
 - Stone bedding shall mean approved imported aggregate meeting the requirements of the New York State Department of Transportation, Standard Specification, "Crushed Stone", primary size 1 or a mixture of primary size 1 and 2, washed.
 - Coarse aggregate shall mean approved imported aggregate meeting the requirements of the New York State Department of Transportation, Standard Specification, "Crushed Stone", primary size 3 or a mixture of primary size 3 and 4.

BEDDING DETAILS

MCPW FIG. 1.01 REV FEB. 2005



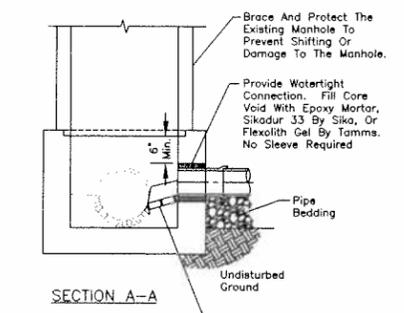
- NOTES:
- Main sewer pipe, lateral pipe, wye and other fittings shall be gasketed type fittings. Solvent weld joints are not allowed, except at cleanouts, see Figures 4.01-4.07.
 - See Figure 1.01 for pipe bedding and backfill.

NEW LATERAL WYE CONNECTION TO NEW SEWER

MCPW FIG. 3.03 REV FEB. 2005

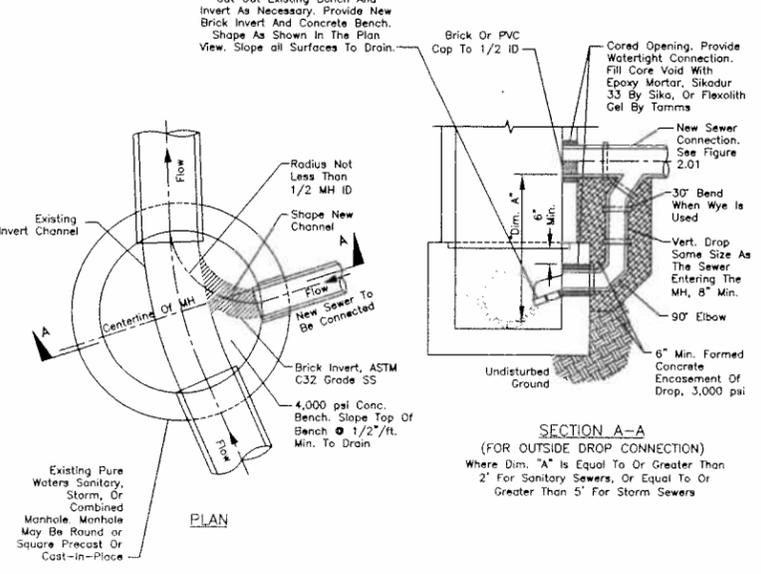
SPECIAL NOTE:

Storm sewers shall not be connected to sanitary sewers, and sanitary sewers shall not be connected to storm sewers.



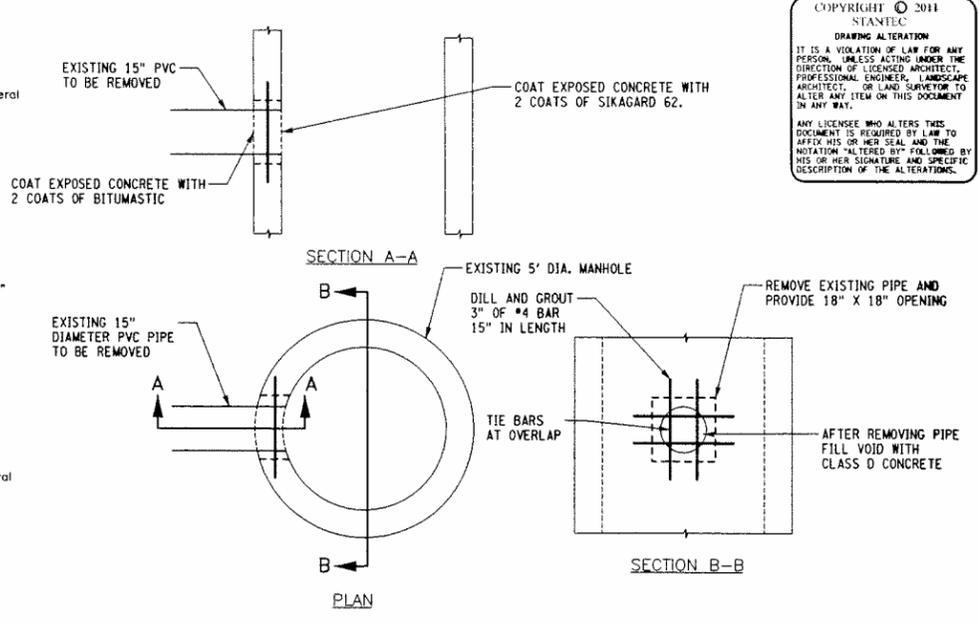
NOTES:

- Notify Pure Waters a minimum of 48 hours in advance of construction for inspection of connection. Telephone (585) 760-7600, Option 5.
- New openings for pipe may be cored or drilled. Impact devices are not allowed for creating openings in existing manholes or chambers. Cored openings in manhole riser sections shall be not less than 6-inches from a riser joint.
- Stub at manhole shall not exceed 100 degree alignment against the existing upstream sewer.
- Provide a pipe joint within 4-feet maximum of the outside face of manhole for reinforced concrete or ductile iron pipe.
- Construct the crown of new sewer not lower than the crown of the existing main sewer. Construct the invert of the new sewer 3-inches minimum above the existing main sewer invert.
- Construct top of new bench to springline of new sewer pipe.
- Coat all disturbed surfaces of the manhole with 2 coats of Sikagard No. 62 for interior of base and 2 coats of bitumastic for all other surfaces.



SEWER CONNECTIONS TO EXISTING MANHOLES

MCPW FIG. 2.03 REV FEB. 2005

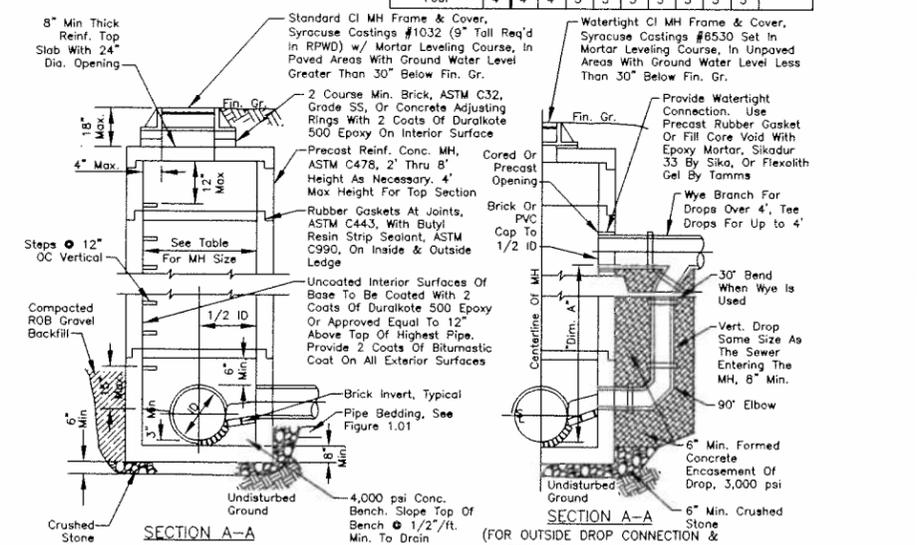


- NOTES:
- COST OF REPAIR SHALL BE INCLUDED IN THE PRICE BID FOR ITEM C604.076215.

ABANDON EXISTING SEWER PIPE AT MANHOLE

# Of Connections	MINIMUM MANHOLE DIAMETERS										
	8"	10"	12"	15"	16"	18"	21"	24"	30"	36"	42" & Up
One	4'	4'	4'	4'	4'	4'	4'	4'	5'	5'	5'
Two	4'	4'	4'	4'	4'	4'	4'	4'	5'	5'	5'
Three	4'	4'	4'	4'	4'	4'	4'	4'	5'	5'	5'
Four	4'	4'	4'	4'	4'	4'	4'	4'	5'	5'	5'

Requires Special Manhole



- NOTES:
- The crown of the influent sewer(s) should be at the same level or above the crown of the outlet sewer.
 - Concrete for structure shall have a minimum 28 day compressive strength of 4,000 psi.
 - Pipe connection to manhole shall be precast opening with flexible boot connector, PSX by Press-Seal Gasket Corp. or approved equal, or field cored opening. Cored openings in manhole riser sections shall be not less than 6-inches from a riser joint.
 - All riser joints shall be rubber ring gaskets conforming to ASTM C443, with butyl resin strip sealant on the inside and outside ledge of joints.
 - Riser sections & top slabs shall conform with ASTM C478, with HS-20 loading design.
 - Inverts shall be constructed with brick, ASTM C32, grade SS, soldier course laid in the direction of flow.

MANHOLE DETAILS WITH PRECAST REINFORCED CONCRETE BASE

MCPW FIG. 2.01 REV MARCH 2007

COPYRIGHT © 2011 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 NO SCALE
 FIRST ISSUE DATE
 7/26/2011

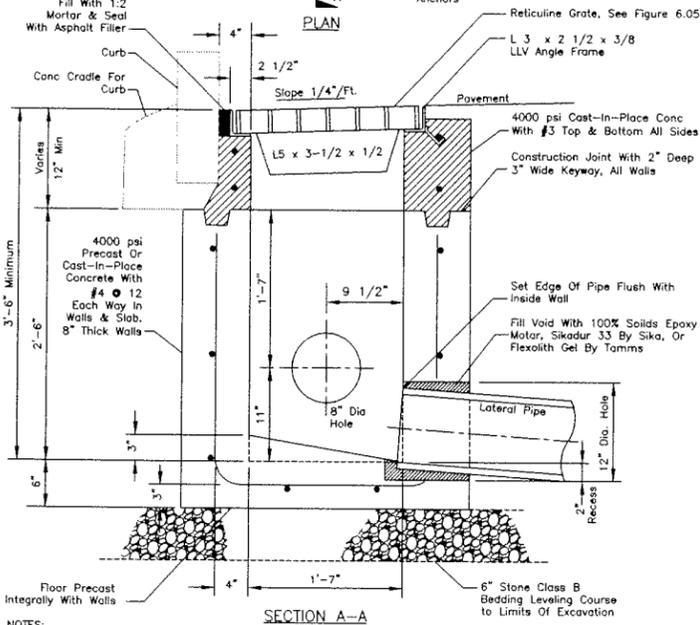
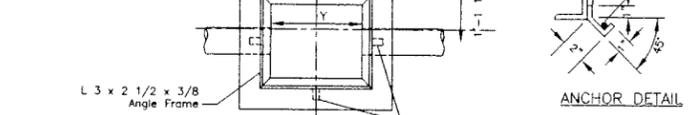
STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, N.Y. 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK

MISCELLANEOUS DETAILS

PROJECT NO.
 192500267
 DRAWING NO.
 MD-4
 SHEET 13 OF 38

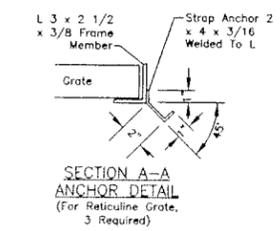
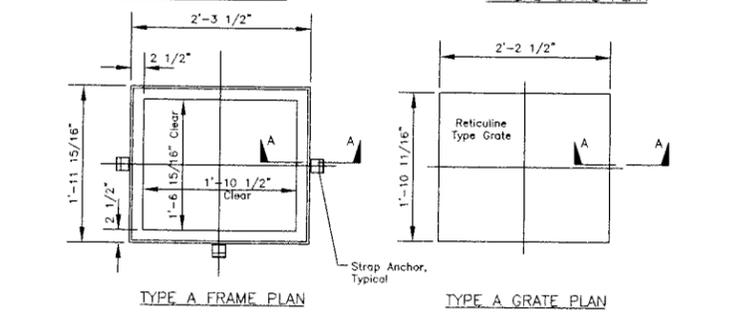
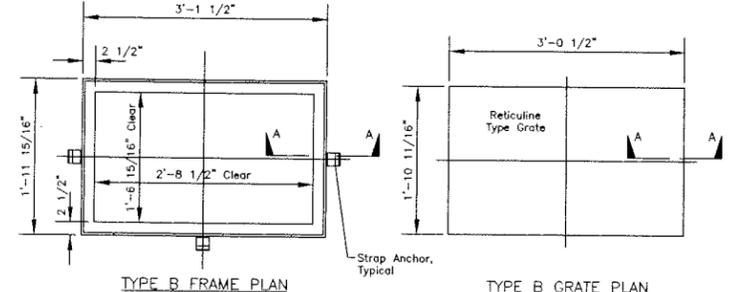
TYPE A	1'-10 1/2"
TYPE B	2'-8 1/2"



- NOTES:**
1. Coat interior of catch basin with 2 coats of Epoxy, Sikagard 62 by Sika, Durakote 240 by Tamms, or approved equal.
 2. Coat exterior of catch basin with 2 coats of bituminous coating, Bitumastic Super Service Black by Koppers, or approved equal.

TYPE A & B CATCH BASIN

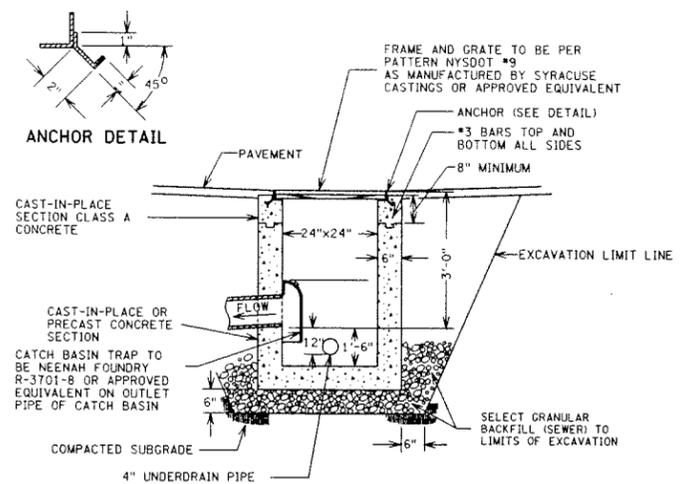
MCPW FIG. 6.01 REV FEB. 2005



TYPE A & B CATCH BASIN FRAME AND GRATE

MCPW FIG. 6.05 REV FEB. 2005

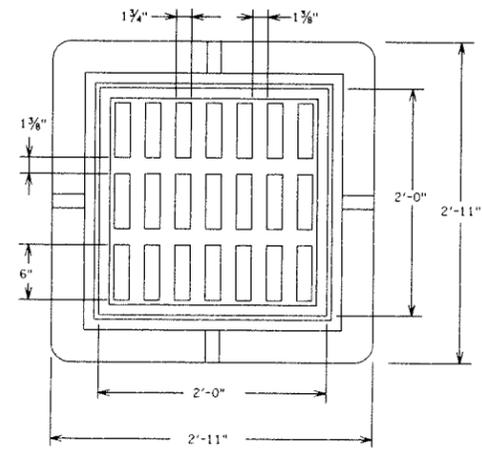
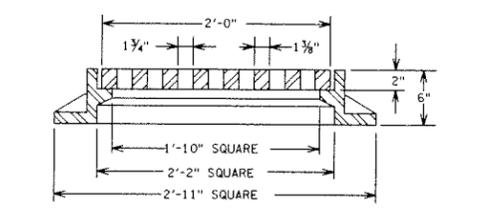
- NOTES:**
1. Frames and grates shall be galvanized steel reticulate type, Syracuse Castings Model NYSOT #1 for Type A, and Model NYSOT #3 for Type B, or approved equal. Units shall be designed for H-20 loading. Complete unit shall be hot dip galvanized after fabrication, ASTM A123.



- NOTES:**
1. COAT INTERIOR OF CATCH BASIN WITH 2 COATS OF TAMMS DURALKOTE 240, OR APPROVED EQUIVALENT.
 2. COAT EXTERIOR OF CATCH BASIN WITH 2 COATS OF HI-BUILD BITUMINOUS COATING 35-J-10, KOPPERS BITUMASTIC SUPER SERVICE BLACK, OR APPROVED EQUIVALENT.

CATCH BASIN TYPE C (MODIFIED)

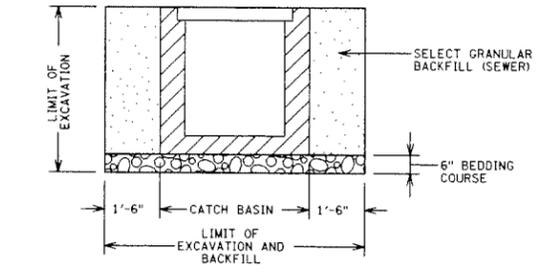
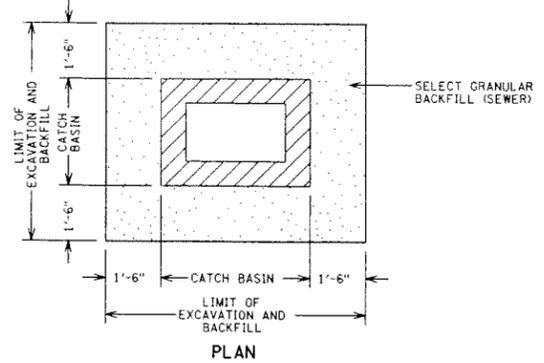
R604-02 REV 12-31-07



- NOTE:**
- FRAME AND GRATE TO BE NEENAH TYPE R-3433 OR APPROVED EQUIVALENT. WEIGHT OF FRAME AND GRATE IS 400 POUNDS.

FRAME AND GRATE TYPE C

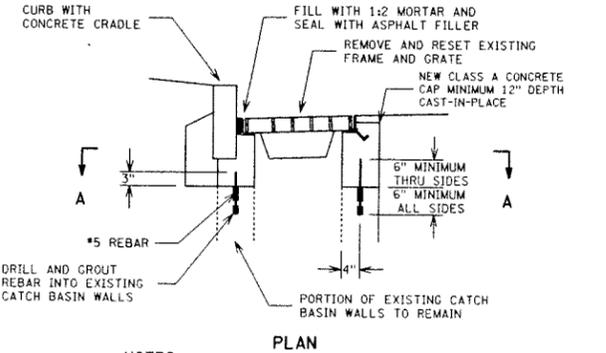
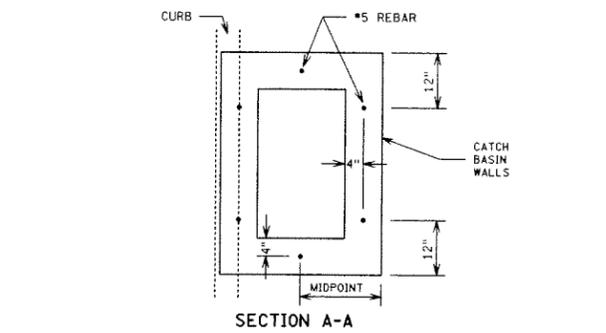
R655-2 REV 12-10-99



- NOTES:**
1. LIMITS SHOWN ARE MAXIMUM ALLOWED AND MINIMUM REQUIRED FOR EXCAVATION AND BACKFILL.
 2. UPPER PAY LIMIT FOR TRENCH EXCAVATION IS TOP OF EXISTING SURFACE AT TIME OF EXCAVATION.
 3. UPPER PAY LIMIT FOR SELECT GRANULAR BACKFILL (SEWER) IS BOTTOM OF TEMPORARY PAVEMENT (IF USED) OR TOP OF SURFACE - AS REQUIRED IN CONTRACT DOCUMENTS.

TRENCH & BACKFILL LIMIT LINES FOR CATCH BASINS

S604-10 12-31-07



- NOTES:**
1. SCARIFY AND/OR REMOVE TOP PORTION OF EXISTING WALLS TO SUFFICIENT DEPTH TO ACCOMMODATE NEW CAP.
 2. USE CONCRETE OR BRICK AND MORTAR TO ADJUST TOP OF WALLS TO SET FRAME AND GRATE TO FINISHED GRADE AND ON SOUND BEARING.
 3. COAT INTERIOR AREA OF CATCH BASIN WITH 2 COATS OF TAMMS DURALKOTE 240, OR APPROVED EQUIVALENT.
 4. COAT EXPOSED EXTERIOR AREA OF NEW CONCRETE CONSTRUCTION WITH 2 COATS OF HI-BUILD BITUMINOUS COATING 35-J-10, KOPPERS BITUMASTIC SUPER SERVICE BLACK, OR APPROVED EQUIVALENT.

CATCH BASIN FRAME AND GRATE ADJUSTMENT

S604-7 REV 12-31-07

COPYRIGHT © 2011 STANTEC
DRAWING ALTERATION
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

6	5	4	3	2	1	0
---	---	---	---	---	---	---

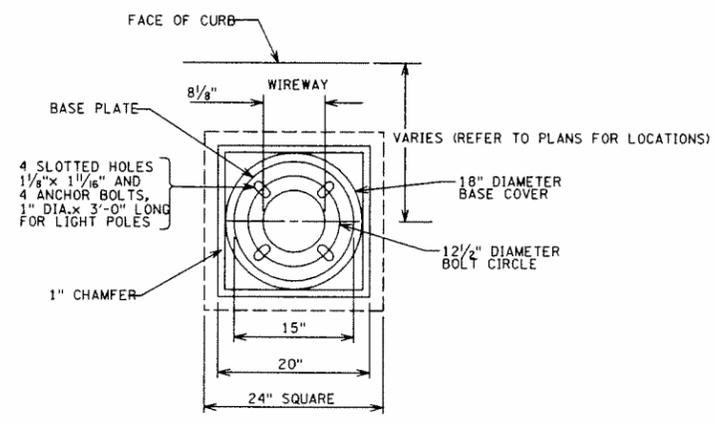
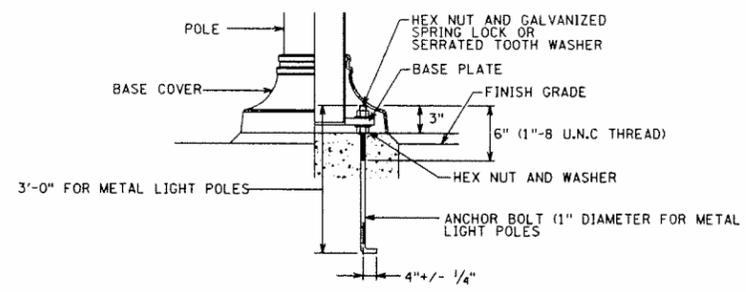
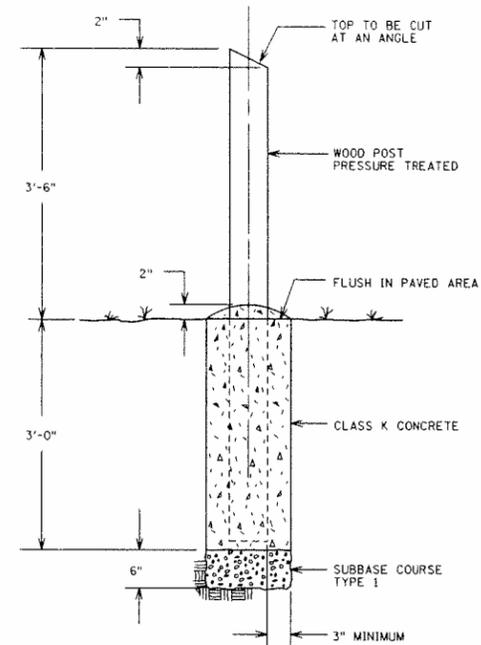
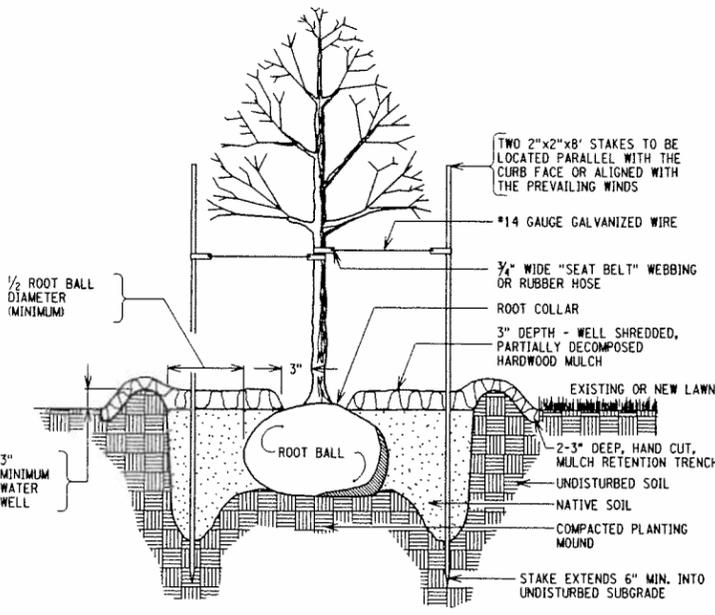
PROJECT ENGINEER/ARCHITECT
K. STETTNER
PROJECT MANAGER
J. HOFMANN
DRAWN BY
S. MILLER
SCALE
NO SCALE
FIRST ISSUE DATE
7/25/2011

STANTEC CONSULTING SERVICES INC.
61 Commercial Street
Rochester, NY 14614
Tel: (585) 475-1400
Fax: (585) 272-1814
www.stantec.com

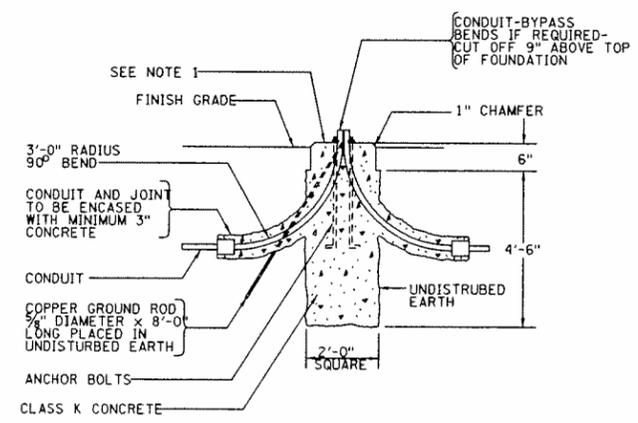
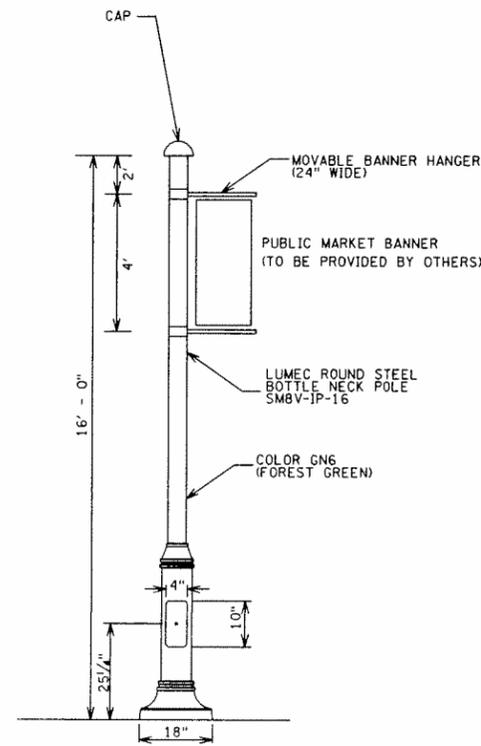
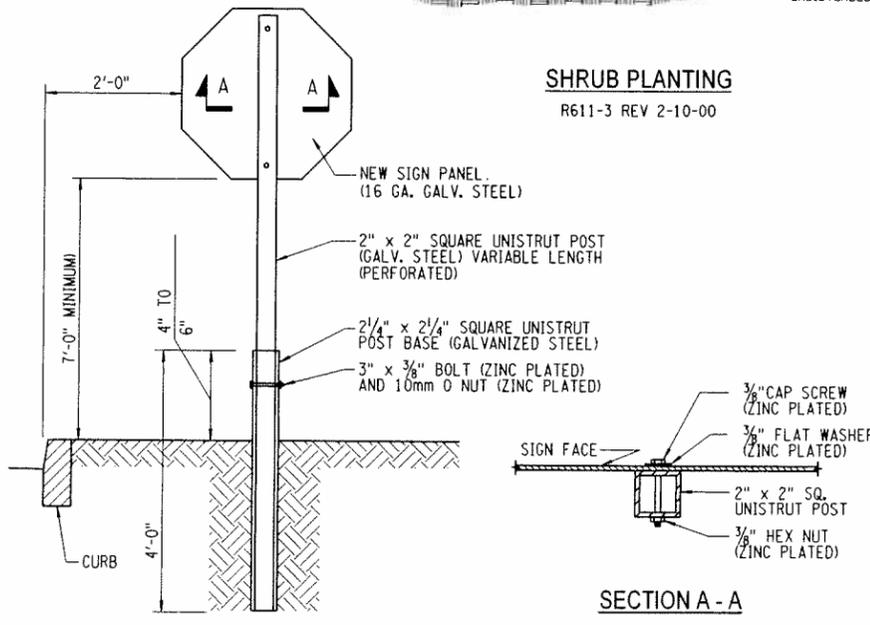
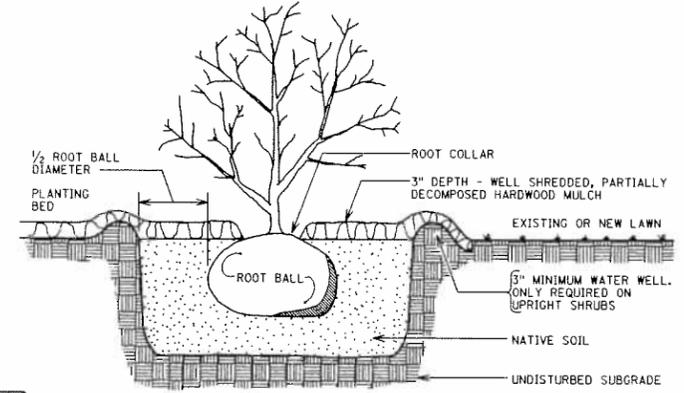
UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
CITY OF ROCHESTER, NEW YORK
PROJECT NO
192500267
DRAWING NO
MD-5
SHEET 14 OF 38

MISCELLANEOUS DETAILS

Produced by: **STANTEC**
 Project: **UNION STREET RR BRIDGE CONVERSION PROJECT**
 Drawing: **MD-6**
 Title: **MISCELLANEOUS DETAILS**
 Date: **7/25/2011**
 Time: **11:46:16 AM**



- NOTES:**
1. THE CONTRACTOR SHALL BE REQUIRED TO COORDINATE ALL WORK PERTAINING TO STREET LIGHTING WITH THE CITY OF ROCHESTER STREET LIGHTING DIVISION AND ROCHESTER GAS AND ELECTRIC (RGE).
 2. ALL CONDUIT CONNECTIONS TO RGE MANHOLES AND HANDHOLES ARE TO BE MADE BY RGE. THE CONTRACTOR IS TO WORK TO WITHIN A FEW FEET OF THE STRUCTURE. RGE WILL THEN MAKE THE CONNECTION WHEN SEVERAL ARE READY, NOT ONE AT A TIME.



- NOTES:**
1. TOP OF FOUNDATION IS TO BE 1" ABOVE FINISH GRADE.
 2. GROUND ROD IS TO BE DRIVEN INTO UNDISTURBED EARTH ADJACENT TO FOUNDATION AND BENT INTO FOUNDATION. TOP-TOP OF GROUND ROD IS TO BE MINIMUM 4" ABOVE TOP OF FOUNDATION.
 3. ANCHOR BOLT IS TO BE IN ACCORDANCE WITH ASTM F1554, GRADE 55. TOP OF ANCHOR BOLT IS TO BE 3" ABOVE TOP OF FOUNDATION.
 4. SUPPLY TWO LEVELING SHIMS WITH EACH ANCHOR BOLT. USE AS NECESSARY TO LEVEL BASE PLATE AND PLUMB POLE.

COPYRIGHT © 2011 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
K. STETTNER
 PROJECT MANAGER
J. HOFMANN
 DRAWN BY
S. MILLER
 SCALE
 NO SCALE
 FIRST ISSUE DATE
 7/25/2011

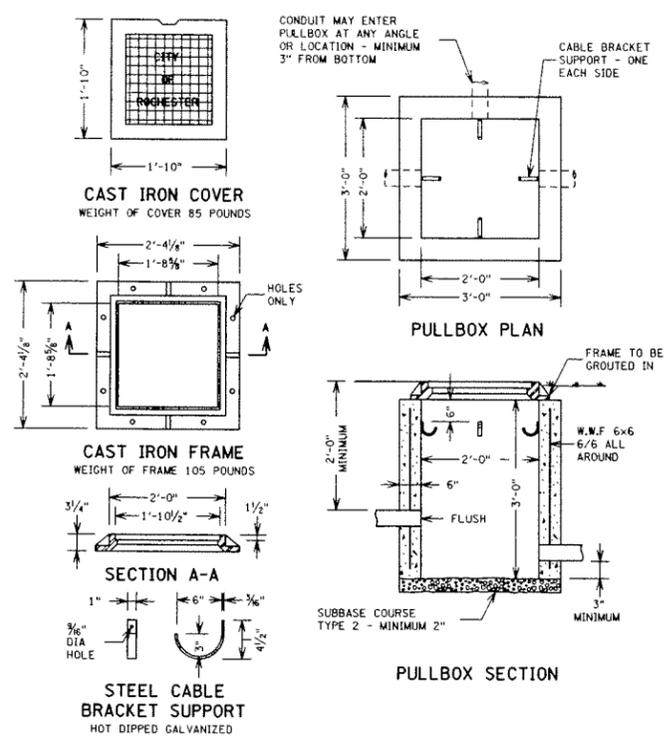
STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com



PROJECT
UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
MISCELLANEOUS DETAILS

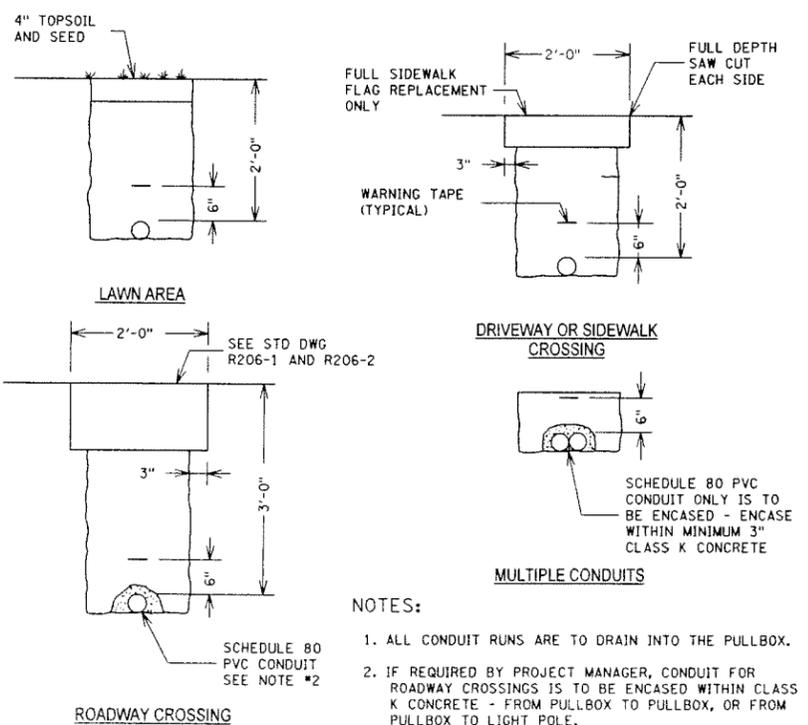
PROJECT NO
192500267
 DRAWING NO
MD-6
 SHEET 15 OF 38

Plotting Parameters:
 Plotted By: kstettner
 Design File: U:\192500267\Transportation\Design\Drawings\Plan Set\MD-07.dgn
 Plotted: 7/28/2011
 Time: 11:46:05 AM



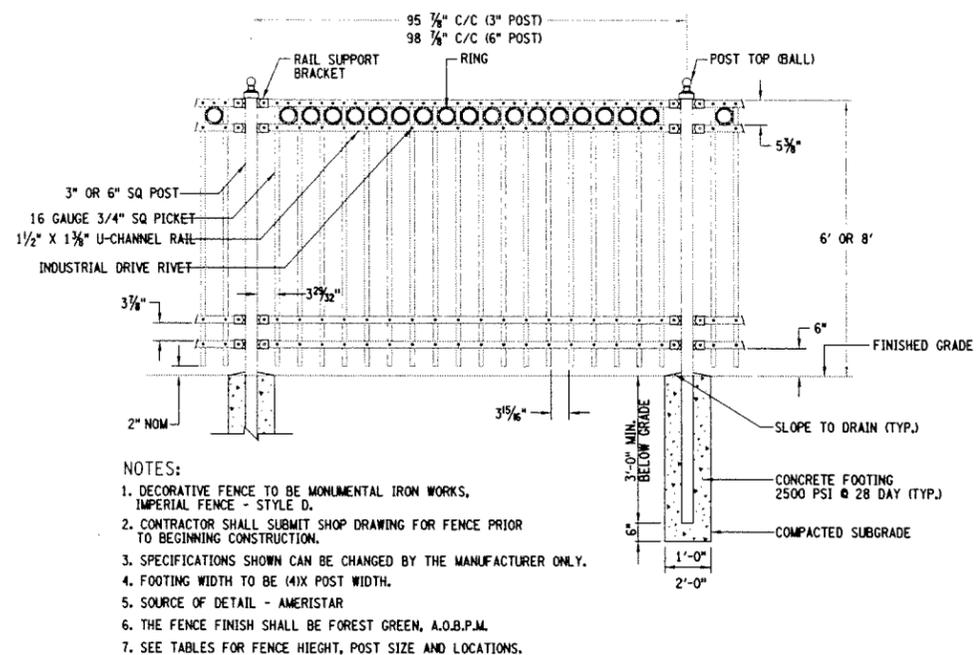
- NOTES:**
- PULLBOX IS TO BE MADE OF CAST-IN-PLACE OR PRECAST CLASS K CONCRETE.
 - FRAME AND COVER ARE TO BE GRAY CAST IRON PER ASTM A48 CLASS 30 IN CONFORMANCE WITH THE REQUIREMENTS OF NYS DOT SECTION 715-05.
 - SIZE OF LETTERS TO BE 2 INCH.
 - TOP OF PULLBOX TO BE SET FLUSH IN PAVED AREA AND 1 INCH ABOVE GRADE IN LAWN AREA.

CONCRETE PULLBOX (24 INCH)
R671-2 REV 4-28-06



- NOTES:**
- ALL CONDUIT RUNS ARE TO DRAIN INTO THE PULLBOX.
 - IF REQUIRED BY PROJECT MANAGER, CONDUIT FOR ROADWAY CROSSINGS IS TO BE ENCASED WITHIN CLASS K CONCRETE - FROM PULLBOX TO PULLBOX, OR FROM PULLBOX TO LIGHT POLE.

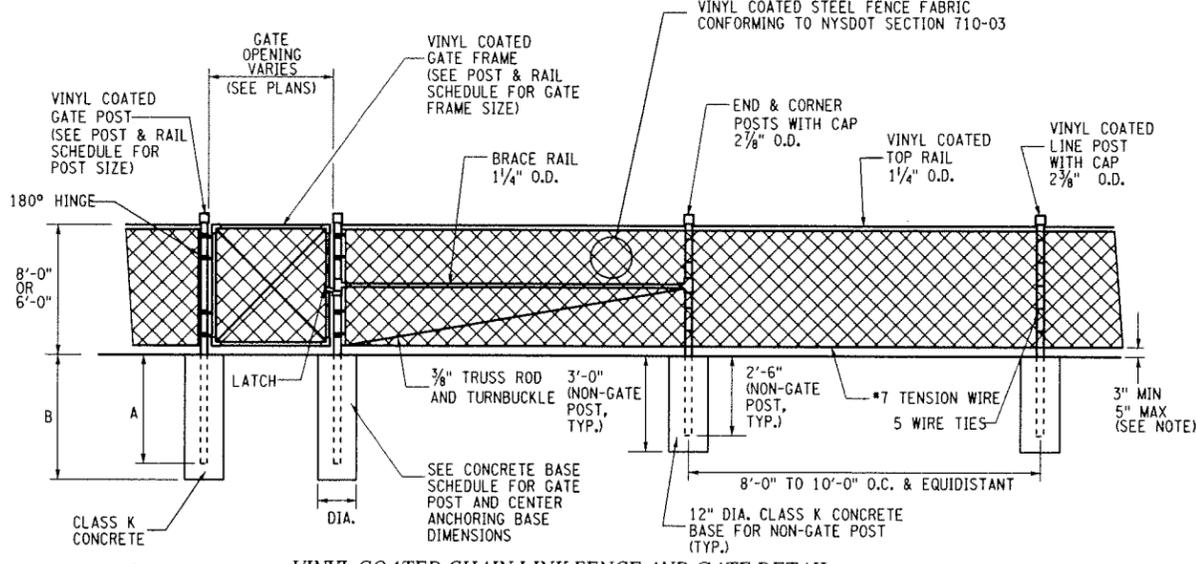
CONDUIT TRENCH
R671-1 REV 4-28-06



- NOTES:**
- DECORATIVE FENCE TO BE MONUMENTAL IRON WORKS, IMPERIAL FENCE - STYLE D.
 - CONTRACTOR SHALL SUBMIT SHOP DRAWING FOR FENCE PRIOR TO BEGINNING CONSTRUCTION.
 - SPECIFICATIONS SHOWN CAN BE CHANGED BY THE MANUFACTURER ONLY.
 - FOOTING WIDTH TO BE (4X) POST WIDTH.
 - SOURCE OF DETAIL - AMERISTAR
 - THE FENCE FINISH SHALL BE FOREST GREEN, A.O.B.P.M.
 - SEE TABLES FOR FENCE HEIGHT, POST SIZE AND LOCATIONS.

ITEM 607.50XX - DECORATIVE FENCE
N.T.S.

CONCRETE BASE SCHEDULE FOR GATE POSTS				
USE	DIA.	A	B	
GATE POSTS FOR SINGLE LEAF GATES UP TO 12' SPAN	14"	3'-0"	3'-6"	
GATE POSTS FOR DOUBLE LEAF GATES, UP TO 24' SPAN	14"	3'-0"	3'-6"	
GATE POSTS FOR DOUBLE LEAF GATES, 25'-36' SPAN	24"	3'-0"	3'-6"	
ANCHORING BASE FOR GATES (1 1/2" SCH. 40 SLEEVE)	12"	2'-6"	3'-0"	



VINYL COATED CHAIN LINK FENCE AND GATE DETAIL

- NOTES:**
- CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR GATES AND ADJACENT CHAIN LINK FENCE PRIOR TO BEGINNING CONSTRUCTION.
 - BOTTOM TENSION WIRE SHALL BE 7 GAUGE ATTACHED WITH 12 1/2 GAUGE HOG RINGS.
 - TOP RAIL COUPLINGS SHALL BE SPACED EVERY 20'. EXPANSION COUPLINGS SHALL BE AT 100' INTERVALS.
 - TOP RAIL WIRE TIES SHALL BE SPACED 24" MAX.
 - DOUBLE LEAF GATES WILL REQUIRE A CONCRETE BASE AS SHOWN ON THE PLANS TO PROVIDE AN ANCHOR (CENTER STOP FOR PLUNGER BAR & KEEPERS WHEN GATE IS IN FULL OPEN POSITION. SEE CONCRETE BASE SCHEDULE FOR DIMENSIONS.
 - COLOR OF VINYL COATING TO BE FOREST GREEN, A.O.B.P.M.
 - THE BOTTOM OF FENCE ELEVATION FOR THE SWING GATE INSTALLED AT THE NEW PARKING LOT CONSTRUCTED OFF PENNSYLVANIA AVENUE SHALL ALLOW THE GATE TO FULLY SWING OPEN WITHOUT TOUCHING THE PAVEMENT SURFACE.

POST AND RAIL SCHEDULE				
USE	SECTION	STEEL		
		NOM. SIZE (INCHES)	O.D. NOM. (INCHES)	WT./FT. (LBS.)
GATE POSTS FOR SINGLE LEAF GATES LESS THAN 6' SPAN	SCHEDULE 40 PIPE	2 1/2	2.875	5.79
GATE POSTS FOR SINGLE LEAF GATES, 6-12 FT SPAN	CLASS B, STEEL TUBING ROLL-FORMED	2 1/2	2.875	4.64
	ROLL-FORMED	3 1/2 x 3 1/2	—	5.10
GATE POSTS FOR DOUBLE LEAF GATES, 13-24 FT SPAN	SCHEDULE 40 PIPE	3 1/2	4.000	9.11
	ROLL-FORMED	3 1/2 x 3 1/2	—	5.10
GATE POSTS FOR DOUBLE LEAF GATES, 25-36 FT SPAN	SCHEDULE 40 PIPE	3 1/2	4.000	9.11
	ROLL-FORMED	3 1/2 x 3 1/2	—	5.10
GATE POSTS FOR DOUBLE LEAF GATES, 25-36 FT SPAN	SCHEDULE 40 PIPE	6	6.625	18.97
GATE FRAME FOR GATES 6' IN WIDTH OR LESS	SCHEDULE 40 PIPE	1 1/2	1.900	2.72
GATE FRAME FOR GATES GREATER THAN 6' IN WIDTH	SCHEDULE 40 PIPE	2	2.375	3.65

COPYRIGHT © 2011 STANTEC
DRAWING ALTERATION
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
K. STETTNER
PROJECT MANAGER
J. HOFMANN
DRAWN BY
S. MILLER
SCALE
NO SCALE
FIRST ISSUE DATE
7/25/2011

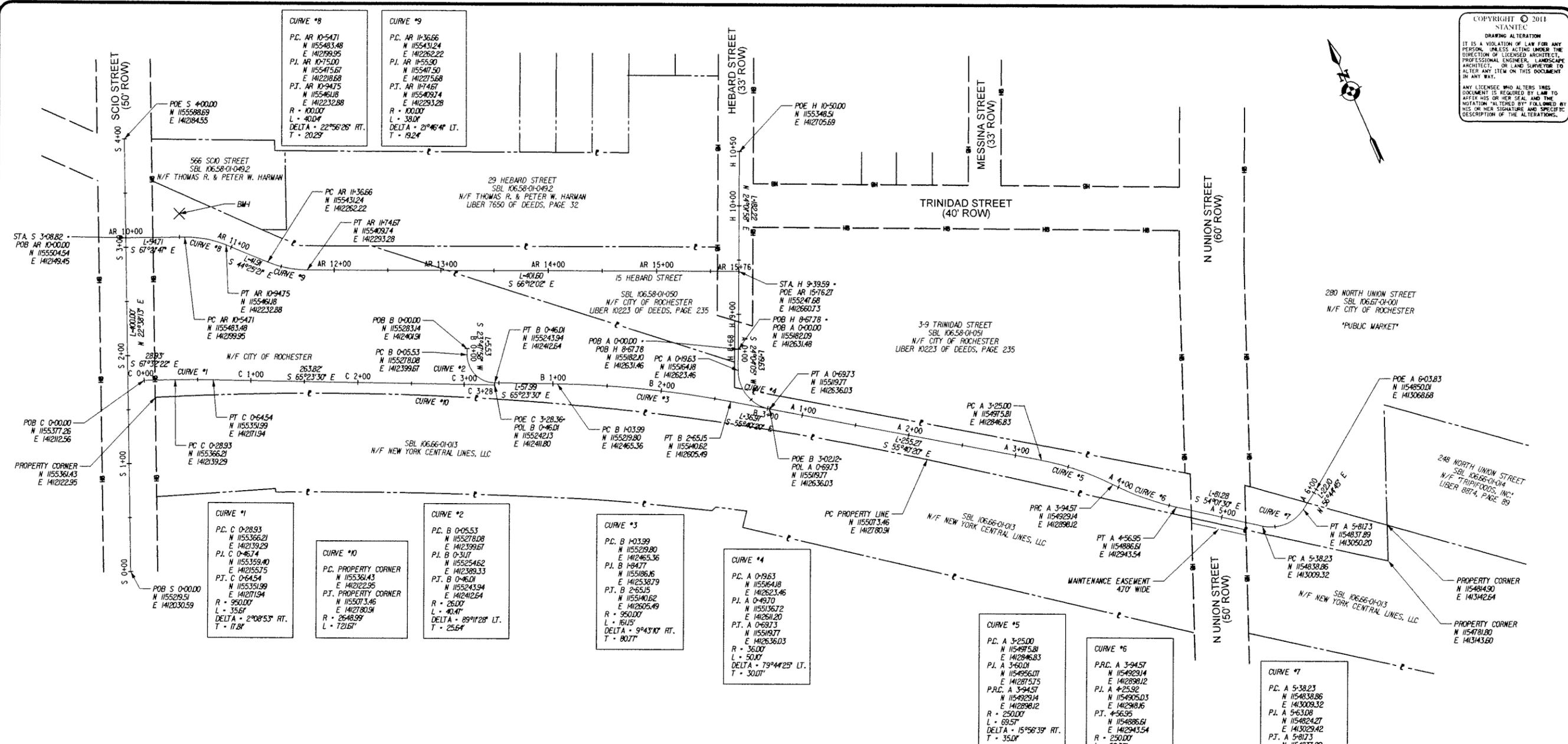
STANTEC CONSULTING SERVICES INC.
61 Commercial Street
Rochester, NY 14614
Tel: (585) 75-1440
Fax: (585) 272-1814
www.stantec.com

PROJECT
UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
CITY OF ROCHESTER, NEW YORK
TITLE OF DRAWING
MISCELLANEOUS DETAILS

PROJECT NO
192500267
DRAWING NO
MD-7
SHEET 16 OF 38

Plotted By: K. Stettner
 Design File: U:\192500267\Transportation\Drawings\Plan Services\GS-1.dgn
 Plotted: 7/28/2011
 Time: 11:48:18 AM

COPYRIGHT © 2011 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



CURVE #1
 P.C. C 0-28.93
 N 1155366.21
 E 1412139.29
 P.I. C 0-46.74
 N 1155359.40
 E 1412155.75
 P.T. C 0-64.54
 N 1155351.99
 E 1412171.94
 R = 950.00'
 L = 35.61'
 DELTA = 2°08'53" RT.
 T = 17.81'

CURVE #0
 P.C. PROPERTY CORNER
 N 1155361.43
 E 1412122.95
 P.T. PROPERTY CORNER
 N 1155073.46
 E 1412180.91
 R = 2648.99'
 L = 7.2161'

CURVE #2
 P.C. B 0-05.53
 N 1155278.08
 E 1412399.67
 P.I. B 0-31.77
 N 1155254.62
 E 1412389.33
 P.T. B 0-46.01
 N 1155243.94
 E 1412412.64
 R = 26.00'
 L = 41.47'
 DELTA = 89°11'28" LT.
 T = 25.64'

CURVE #3
 P.C. B 1-03.99
 N 1155292.80
 E 1412465.36
 P.I. B 1-49.77
 N 1155186.16
 E 1412538.79
 P.T. B 2-65.15
 N 1155406.62
 E 1412605.49
 R = 350.00'
 L = 161.15'
 DELTA = 9°43'10" RT.
 T = 80.77'

CURVE #4
 P.C. A 0-19.63
 N 1155164.18
 E 1412623.46
 P.I. A 0-49.70
 N 1155136.72
 E 1412611.20
 P.T. A 0-69.73
 N 1155197.77
 E 1412636.03
 R = 360.00'
 L = 50.07'
 DELTA = 79°44'25" LT.
 T = 30.07'

CURVE #5
 P.C. A 3-25.00
 N 1154975.81
 E 1412846.83
 P.I. A 3-60.01
 N 1154926.07
 E 1412875.75
 P.T. A 3-94.57
 N 1154929.14
 E 1412898.12
 R = 250.00'
 L = 69.57'
 DELTA = 15°56'39" RT.
 T = 35.04'

CURVE #6
 P.C. A 3-94.57
 N 1154929.14
 E 1412898.12
 P.I. A 4-25.96
 N 1154905.03
 E 1412918.16
 P.T. A 4-56.95
 N 1154886.61
 E 1412943.54
 R = 250.00'
 L = 62.38'
 DELTA = 14°17'57" LT.
 T = 43.50'

CURVE #7
 P.C. A 5-38.23
 N 1154838.86
 E 1413009.32
 P.I. A 5-63.08
 N 1154824.27
 E 1413029.42
 P.T. A 5-81.73
 N 1154837.89
 E 1413050.20
 R = 360.00'
 L = 43.50'
 DELTA = 69°13'45" LT.
 T = 43.50'

SURVEY CONTROL NOTES:

- THE UNION STREET HORIZONTAL ALIGNMENTS ARE REFERENCED TO THE NEW YORK STATE PLANE COORDINATE SYSTEM, WESTERN ZONE, TRANSVERSE MERCATOR CONFORMAL PROJECTION OF THE NORTH AMERICAN DATUM OF 1983 THROUGH CONTROL TIES TO THE FOLLOWING MONUMENTS
 KODAK TOWER - N 1153155.993 E 1405400.5521
 BAUSCH & LOMB TOWER - N 1151006.7387 E 1409112.8153
- THE VERTICAL DATUM SHOWN HEREON ARE REFERENCED TO THE ROCHESTER CITY DATUM (R.T.S.) USING GPS PROCEDURES.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL VERIFY ALL REFERENCE POINTS, CENTERLINES, BASELINES AND BENCHMARKS. ANY ERROR OR APPARENT DISCREPANCY IN DATA SHOWN SHALL BE REFERRED TO THE PROJECT MANAGER FOR INTERPRETATION.
- ALL STATION AND OFFSET REFERENCES ON THE PLANS REFER TO THE CENTERLINE OF IMPROVEMENTS. OFFSETS ARE AT RIGHT ANGLES TO, OR RADIAL TO, THE CENTERLINE OF IMPROVEMENTS, UNLESS OTHERWISE NOTED. THE CENTERLINE OF IMPROVEMENTS SHOWN ON THE PLANS SHALL BE USED FOR THE GEOMETRIC LAYOUT OF THE CONSTRUCTION PROJECT ONLY. THE CALCULATED LOCATIONS OF MONUMENTS SHOWN ON THE PLANS WERE NOT ESTABLISHED USING SECOND ORDER PROCEDURES. THEREFORE THE MONUMENT POSITIONS SHOWN ARE NOT CERTIFIED TO BE ON A 4 FOOT OFFSET FROM THE RIGHT-OF-WAY.
- PRIOR TO CONSTRUCTION THE CONTRACTOR SHALL TIE DOWN ALL MONUMENTS AND REFERENCE POINTS WITH A SERIES OF P.O.L.'S OR OTHER APPROVED METHOD (ALL TIE DOWN POSITIONS SHALL BE BEYOND THE LIMITS OF CONSTRUCTION)
- THE CONTRACTORS ATTENTION IS DIRECTED TO LOCAL LAW NO. 6 OF 1971 REGARDING LIABILITY INCURRED THROUGH DISTURBANCE OR DESTRUCTION OF GEODESIC SURVEY MONUMENTS. THE CONTRACTOR SHALL LOCATE, MARK, SAFEGUARD, AND PRESERVE ALL SURVEY CONTROL AND RIGHT-OF-WAY MONUMENTS IN THE AREA OF CONSTRUCTION

TABLE OF BENCHMARKS

BENCHMARK	ELEVATION (FEET)	DESCRIPTION
BM-1	499.94	CHISELED "X" IN SOUTHERLY RIM OF MANHOLE

PROJECT	UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT CITY OF ROCHESTER, NEW YORK
TITLE OF DRAWING	GEOMETRIC SHEET
PROJECT NO.	192500267
DRAWING NO.	GS-1
SHEET	17 OF 38
PROJECT ENGINEER/ARCHITECT	K. STETTNER
PROJECT MANAGER	J. HOFMANN
DRAWN BY	S. MILLER
SCALE	1" = 50'
FIRST ISSUE DATE	7/25/2011
REVISIONS	DATE BY
6	
5	
4	
3	
2	
1	
0	

STANTEC CONSULTING SERVICES INC.
 81 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

Stantec

Workspaces
 Drawing
 Project Manager
 Noble Smith

Printed By: kstettner
 Design File: U:\192500267\Transportation\Design\Drawings\Plan_Sett\TCP-1.dgn
 Date: 7/25/2011
 Time: 11:46:22 AM

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY
 PERSON, UNLESS ACTING UNDER THE
 DIRECTION OF LICENSED ARCHITECT,
 PROFESSIONAL ENGINEER, LANDSCAPE
 ARCHITECT, OR LAND SURVEYOR TO
 ALTER ANY ITEM ON THIS DOCUMENT
 IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS
 DOCUMENT IS REQUIRED BY LAW TO
 AFFIX HIS OR HER SEAL AND THE
 NOTATION "ALTERED BY" FOLLOWED BY
 HIS OR HER SIGNATURE AND SPECIFIC
 DESCRIPTION OF THE ALTERATIONS.

TRAFFIC CONTROL LEGEND

- CONSTRUCTION SIGN
- DELINEATION DEVICE (SEE NOTE)
- TRAFFIC FLOW
- FLAG PERSON LOCATION
- WORK AREA (CURB, PAVEMENT OR UTILITIES)
- WORK AREA (CURB, PAVEMENT OR UTILITIES)

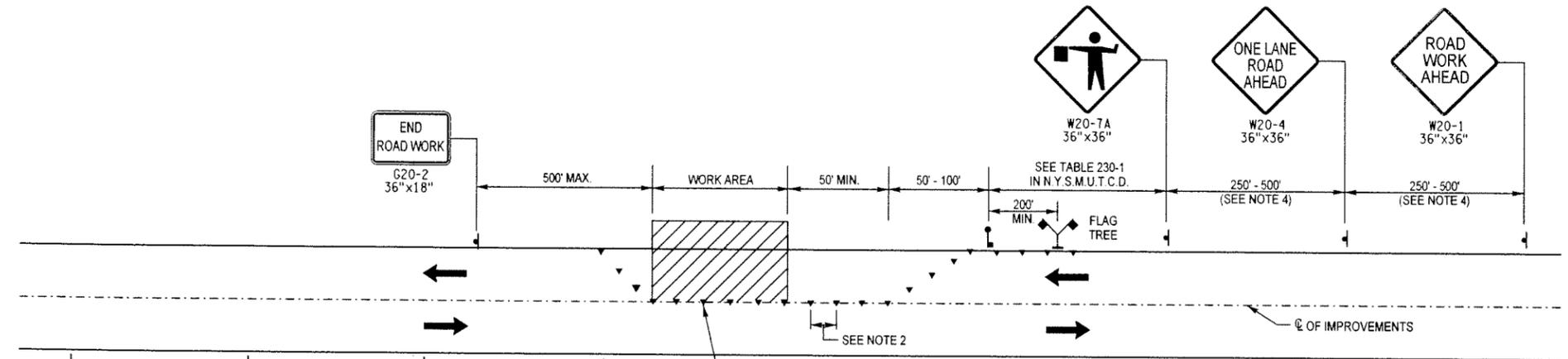


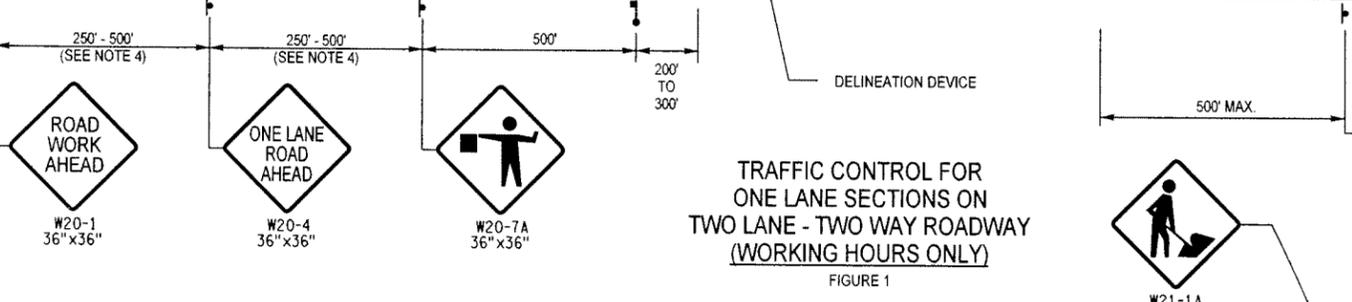
FIGURE NOTES:

1. LENGTH OF TAPER (L) = 15 x LATERAL SHIFT OF TRAFFIC (W).
2. USE 250' MIN. FOR APPROACH SPEED OF 40 MPH OR LESS. USE 500' MIN. FOR APPROACH SPEED OVER 40 MPH.
3. FLAG TREE SHOULD BE LOCATED BEHIND CHANNELIZATION ON SHOULDER. NOT TO EXCEED 1/2 OF THE DISTANCE BETWEEN FLAGGER.
4. BARRELS USED FOR CHANNELIZATION AND DELINEATION OF TRAVEL LANES SHALL BE LIGHTED DURING NON-WORKING HOURS WITH TYPE A FLASHING LOW INTENSITY YELLOW WARNING LIGHTS WITH A MINIMUM NOMINAL DIAMETER OF 7". PLACE BEACONS ON THE SIDE OF THE BARREL CLOSEST TO TRAFFIC. THE HOURS OF OPERATION ARE DUSK TO DAWN.

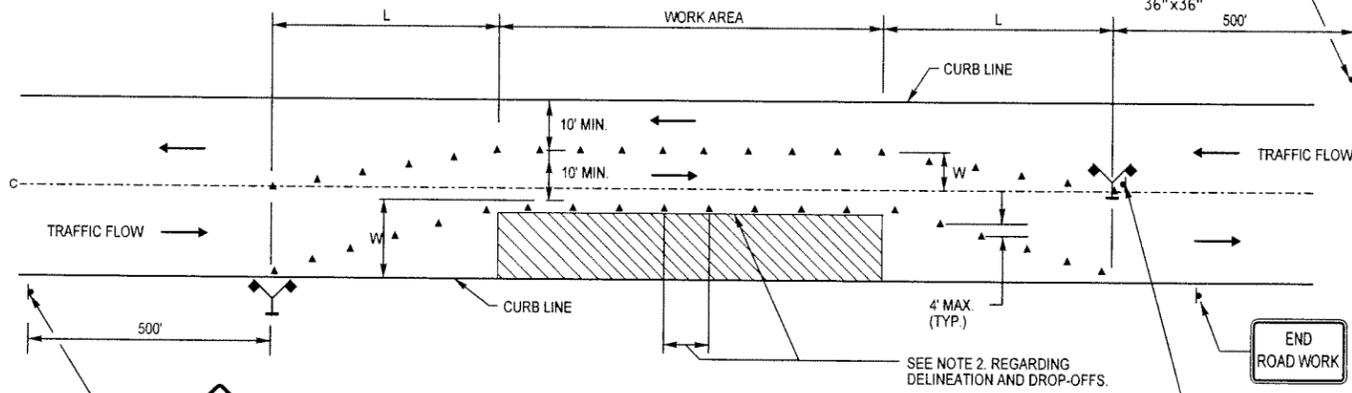
GENERAL MAINTENANCE AND PROTECTION OF TRAFFIC NOTES

1. THE CONTRACTOR WILL BE REQUIRED TO PROVIDE, ERECT, AND MAINTAIN NECESSARY TRAFFIC CONTROL DEVICES, DELINEATOR, SIGNS, AND BARRICADES IN ACCORDANCE WITH THE 2008 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES" AND SECTION 619 OF THE CITY OF ROCHESTER STANDARD CONSTRUCTION CONTRACT DOCUMENTS AS APPROVED AND REQUIRED BY THE MONROE COUNTY DEPARTMENT OF TRANSPORTATION.
2. THE CONTRACTOR SHALL IMPLEMENT THE WORK ZONE TRAFFIC CONTROL PLAN PRIOR TO BEGINNING ANY WORK. SPECIFIC LOCATION AND TIMING OF CONSTRUCTION SIGN AND BARRICADE INSTALLATION (AND REMOVAL) SHALL BE AS ORDERED BY THE PROJECT MANAGER.
3. THE CONTRACTOR SHALL PROVIDE AND MAINTAIN AT ALL TIMES SAFE AND ADEQUATE INGRESS AND EGRESS TO AND FROM INTERSECTING SIDESTREETS, HOMES AND BUSINESSES AT EXISTING OR NEW ACCESS POINTS CONSISTENT WITH THE WORK.
4. TRAFFIC MAINTENANCE SIGNS NOT CONSISTENT BETWEEN WORKING AND NON-WORKING HOURS, OR NOT CONSISTENT WITH THE ACTUAL CONSTRUCTION ACTIVITY, SHALL BE COVERED AND/OR REMOVED FROM THE DRIVER'S VISION WHEN NOT IN USE.
5. THE CONTRACTOR SHALL (UNLESS ORDERED TO THE CONTRARY BY THE PROJECT MANAGER) PLACE TEMPORARY PAVEMENT WITHIN 24 HOURS AFTER BACKFILLING A TRENCH OR EXCAVATION.
6. THE CONTRACTOR SHALL COORDINATE ANY NECESSARY UTILITY RELOCATIONS AS REQUIRED FOR IMPLEMENTATION OF THE WORK ZONE TRAFFIC CONTROL PLAN WITH THE APPROPRIATE UTILITY COMPANIES OR AGENCIES. THE COST OF ANY NECESSARY RELOCATIONS AND COORDINATION WITH AGENCIES SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE AND PROTECTION OF TRAFFIC.
7. STORAGE, STOCKPILING, OR PLACEMENT OF ANY EQUIPMENT, MATERIALS, OR SUPPLIES WITHIN THE AREA OF ANY PUBLIC STREET OR ALLEY, INCLUDING THE SIDEWALKS THEREOF, WILL BE ALLOWED ONLY IF SUCH STORAGE, STOCKPILING, OR PLACEMENT DOES NOT IN ANY WAY OBSTRUCT ANY LANE OR PASSAGEWAY INTENDED FOR VEHICULAR OR PEDESTRIAN TRAFFIC OR IMPEDE OR PREVENT WORK EFFORTS BY OTHER PUBLIC OR PRIVATE CONTRACTORS BY THEIR PRESENCE. THE CONTRACTOR SHALL OBTAIN PRIOR APPROVAL IN WRITING FROM THE PROJECT MANAGER FOR USE OF SAID AREA FOR THE STORAGE OF ANY EQUIPMENT, MATERIALS, OR SUPPLIES. THE CONTRACTOR IS NOT TO PLACE OR STOCKPILE ANY CONSTRUCTION OR EXCAVATED MATERIALS WITHIN THE CANOPY OF ANY TREE THAT WILL REMAIN. VEHICLES AND CONSTRUCTION EQUIPMENT ARE NOT TO BE PARKED ON ANY TREE ROOT SYSTEM, NOR LEFT IDLING UNDER ANY TREE CANOPY WHERE TREES ARE NOTED TO REMAIN.
8. THE LUMP SUM PRICE BID FOR ITEM NO. 619.01 WORK ZONE TRAFFIC CONTROL SHALL INCLUDE ALL EQUIPMENT, MATERIALS, AND LABOR NECESSARY TO ADEQUATELY AND SAFELY MAINTAIN AND PROTECT TRAFFIC, EXCEPT AS PROVIDED FOR IN SEPARATE PAYMENT ITEMS IN THE PROPOSAL.
9. THE CONTRACTOR SHALL ESTABLISH SUFFICIENT AND TIMELY COMMUNICATION AND COORDINATION WITH NEIGHBORHOOD BUSINESSES, ROCHESTER GAS AND ELECTRIC CORPORATION, TIME WARNER COMMUNICATIONS, FRONTIER TELEPHONE, RGRTA, ROCHESTER CITY SCHOOL DISTRICT AND THE CITY OF ROCHESTER POLICE AND FIRE DEPARTMENTS TO PROVIDE THE IMPORTANT COORDINATION NECESSARY TO COMPLETE THE WORK IN AN ORDERLY MANNER, WITH MINIMAL IMPACTS, AND WITHIN THE ALLOTTED TIME CONSTRAINTS. NO SEPARATE PAYMENT ITEM IS INCLUDED IN THIS CONTRACT FOR SUCH COORDINATION.
10. IF AT ANY TIME, AS DETERMINED BY THE PROJECT MANAGER, TRAFFIC IS NOT BEING PROPERLY MAINTAINED, THE CONTRACTOR SHALL IMMEDIATELY CORRECT ANY DEFICIENCIES AS DIRECTED, TO THE SATISFACTION OF THE PROJECT MANAGER.
11. SIGNS SHOWN ON THESE PLANS ARE CONSIDERED THE MINIMUM. ADDITIONAL SIGNS SHALL BE A.O.B.P.M. COST FOR ANY ADDITIONAL SIGNS SHALL BE INCLUDED IN THE PRICE BID FOR ITEM R619.01.
12. WHEN TRAFFIC IS TO BE MAINTAINED NEXT TO A DROP-OFF THAT IS 0 TO 18 INCHES, OR WHERE SOFT OR UNSAFE AREAS OCCUR, AN APPROVED DELINEATOR SHALL BE PLACED ALONG THE EDGE OF THE TRAVELED WAY AT AN INTERVAL OF NOT MORE THAN 25 FEET. WHERE THE DROP-OFF IS GREATER THAN 18 INCHES, A TEMPORARY CONCRETE BARRIER SHALL BE PLACED. A DROP-OFF IS ELIMINATED IF TAPERED AWAY BY A 1 (VERTICAL) ON 4 (HORIZONTAL) OR FLATTER SLOPE FROM THE SURFACE OF THE TRAVELED WAY.
13. DELINEATION DEVICES SHALL BE CONSTRUCTION DRUMS, VERTICAL PANELS OR CONES, A.O.B.P.M.
14. THE CONTRACTOR SHALL USE STEEL PLATES (STEEL PLATES SHALL SUPPORT AN HS20 LOADING), COMPACTED CRUSHED STONE RAMPS, TEMPORARY PAVEMENT, CONES, BARRELS, BARRICADES, FLASHING LIGHTS, AND PROTECTIVE FENCING AS NECESSARY AND AS ORDERED BY THE PROJECT MANAGER TO PROTECT AND MAINTAIN BOTH PEDESTRIANS AND TRAFFIC FLOW WITHIN THE PROJECT AREA. THE COST TO FURNISH AND PLACE, MAINTAIN, MOVE AND REMOVE DEVICES TO PROTECT AND MAINTAIN PEDESTRIANS AND TRAFFIC FLOW SHALL BE INCLUDED IN THE PRICE BID FOR MAINTENANCE AND PROTECTION OF TRAFFIC. TEMPORARY PAVEMENT COMPONENTS SHALL BE PAID UNDER THEIR RESPECTIVE ITEMS.
15. THE CONTRACTOR SHALL, AT THE DIRECTION OF THE PROJECT MANAGER, TEMPORARILY REMOVE, RELOCATE, OR PLACE SIGNS (PRIMARILY PARKING AND CONSTRUCTION) AT VARIOUS LOCATIONS WITHIN THE PROJECT LIMITS & ADJACENT STREETS, WHICH MAY BE REQUIRED TO DEFINE TRAFFIC MOVEMENTS OR NO PARKING AREAS. SIGNS SHALL BE IN CONFORMANCE WITH THE 2009 "MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES".
16. THE CONTRACTOR SHALL PLAN HIS OPERATIONS TO ASSURE THAT ADEQUATE INGRESS & EGRESS TO ALL PROPERTIES AND THE MARKET IS MAINTAINED. THIS INCLUDES DELIVERIES MADE BY TRACTOR TRAILERS. THE CONTRACTOR SHALL NOTIFY AFFECTED PARTIES A MINIMUM OF 48 HOURS PRIOR TO ACCESS INTERRUPTIONS. NON-WORKING HOUR ACCESS SHALL BE MAINTAINED AT ALL TIMES UNLESS OTHERWISE APPROVED BY THE PROJECT MANAGER. CRUSHED STONE RAMPS OR TEMPORARY PAVEMENT SHALL BE CONSTRUCTED OR STEEL PLATES SHALL BE PLACED IF SO ORDERED BY THE PROJECT MANAGER.
17. THE CONTRACTOR SHALL MAINTAIN A SAFE, TRAVERSABLE PEDESTRIAN ROUTE ON ONE SIDE OF THE STREET WITHIN A WORK AREA AT ALL TIMES. THE CONTRACTOR SHALL CONSTRUCT THE NEW SIDEWALK ON ONE SIDE OF THE STREET AT A TIME THROUGHOUT A WORK AREA. TEMPORARY PAVEMENT, COMPACTED GRAVEL, OR CRUSHED STONE SHALL BE PROVIDED A.O.B.P.M. TO MAINTAIN PEDESTRIAN TRAFFIC, INCLUDING SIDEWALK CROSSINGS IN EACH DIRECTION. PEDESTRIAN CROSSWALKS, BUS STOP LANDING PADS AND PEDESTRIAN ACCESS TO BUSINESSES AND RESIDENCES SHALL BE MAINTAINED AT ALL TIMES THROUGH THE USE OF TEMPORARY WOOD WALKWAYS OR RAMPS, TEMPORARY ASPHALT PAVEMENT, OR COMPACTED CRUSHED STONE RAMPS, ALL AS DIRECTED AND AS ORDERED BY THE PROJECT MANAGER.
18. THE CONTRACTOR SHALL CLOSELY COORDINATE ALL WORK IMPACTING SCHOOL PEDESTRIAN AND SCHOOL BUS TRAFFIC WITH THE PROJECT MANAGER. SAFE SCHOOL ROUTE MAINTENANCE PLANS SHALL BE SUBMITTED AND APPROVED PRIOR TO CONSTRUCTION. THE COST OF ANY ADDITIONAL SIGNAGE, FLAG PERSONS OR OTHER REQUIREMENTS TO MAINTAIN SCHOOL ROUTES THROUGHOUT THE DURATION OF THE PROJECT SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 619.01.
19. THE CONTRACTOR SHALL MAINTAIN ADEQUATE PAVEMENT MARKING DELINEATION UNTIL THE PERMANENT PAVEMENT MARKINGS ARE INSTALLED.
20. THE CONTRACTOR SHALL NOT IMPED TRAFFIC OPERATIONS ON HEBARD, TRINIDAD, NORTH UNION STREETS, OR THE PUBLIC MARKET ON TUESDAYS, THURSDAYS, AND WEEKENDS WITHOUT APPROVAL OF THE PROJECT MANAGER.
21. THE CONTRACTOR SHALL MAINTAIN ACCESS TO HARMON HARDWOOD FLOORING DRIVEWAYS THROUGH THE PROJECT SITE UNLESS APPROVED BY THE PROJECT MANAGER.
22. SEE THE SPECIAL NOTES IN THE CONTRACT PROPOSAL BOOK FOR ADDITIONAL WORK RESTRICTIONS.

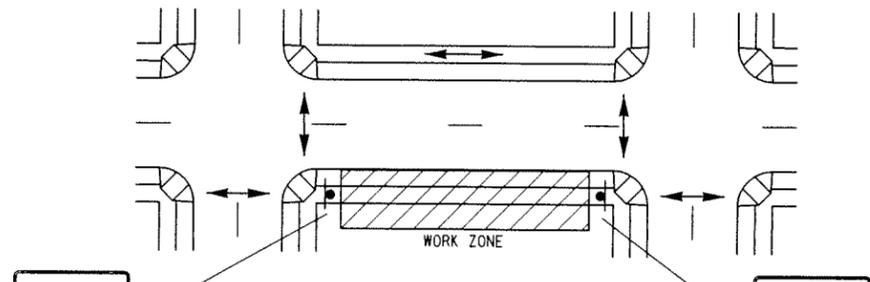
TRAFFIC CONTROL FOR ONE LANE SECTIONS ON TWO LANE - TWO WAY ROADWAY (WORKING HOURS ONLY)
 FIGURE 1



TRAFFIC CONTROL FOR LANE SHIFT ON TWO LANE - TWO WAY ROADWAY (WORKING HOURS ONLY)
 FIGURE 2



TYPICAL SIDEWALK CLOSURE DETAIL
 FIGURE 3



- SIDEWALK CLOSURE NOTES**
1. THE CONTRACTOR SHALL INSTALL A SIDEWALK CLOSED SIGN (R8-3C) MOUNTED ON A TYPE III CONSTRUCTION BARRICADE ON THE IMMEDIATE APPROACHES TO THE EXISTING SIDEWALK BEING DISRUPTED BY CONSTRUCTION OPERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER

PROJECT MANAGER
 J. HOFMANN

DRAWN BY
 K. STETTNER

SCALE
 NO SCALE

FIRST ISSUE DATE
 7/25/2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1444
 Fax: (585) 272-1814
 www.stantec.com

Stantec

PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK

TITLE OF DRAWING
 TRAFFIC CONTROL PLAN
 DETAILS

PROJECT NO.
 192500267

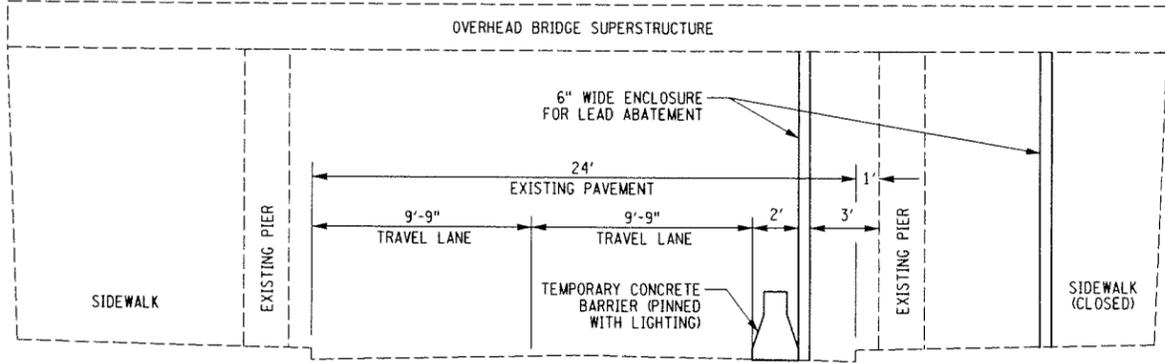
DRAWING NO.
 TCP-1

SHEET 18 OF 38

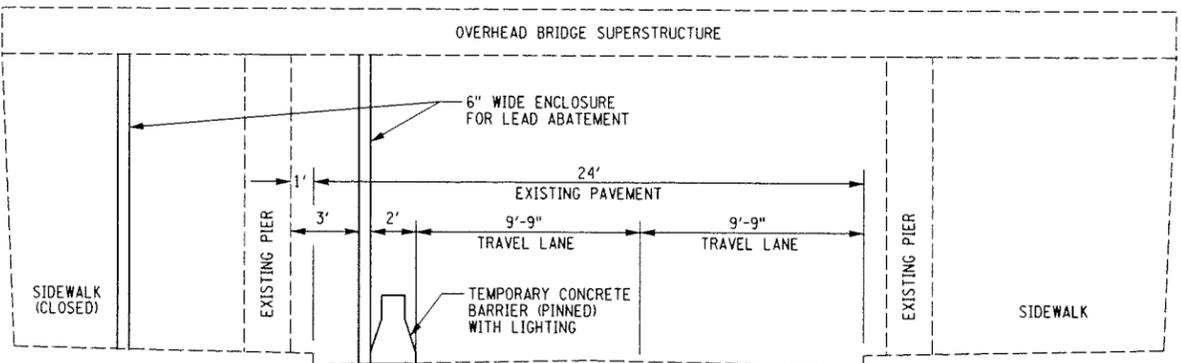
Project Parameters
 Plotted By: kshelton
 Design File: U:\192500267\Transportation\Design\Drawings\Plan_Sett\TCPCP-02.dgn
 Plotted: 7/28/2011
 Time: 11:46:20 AM

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF A LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATION.

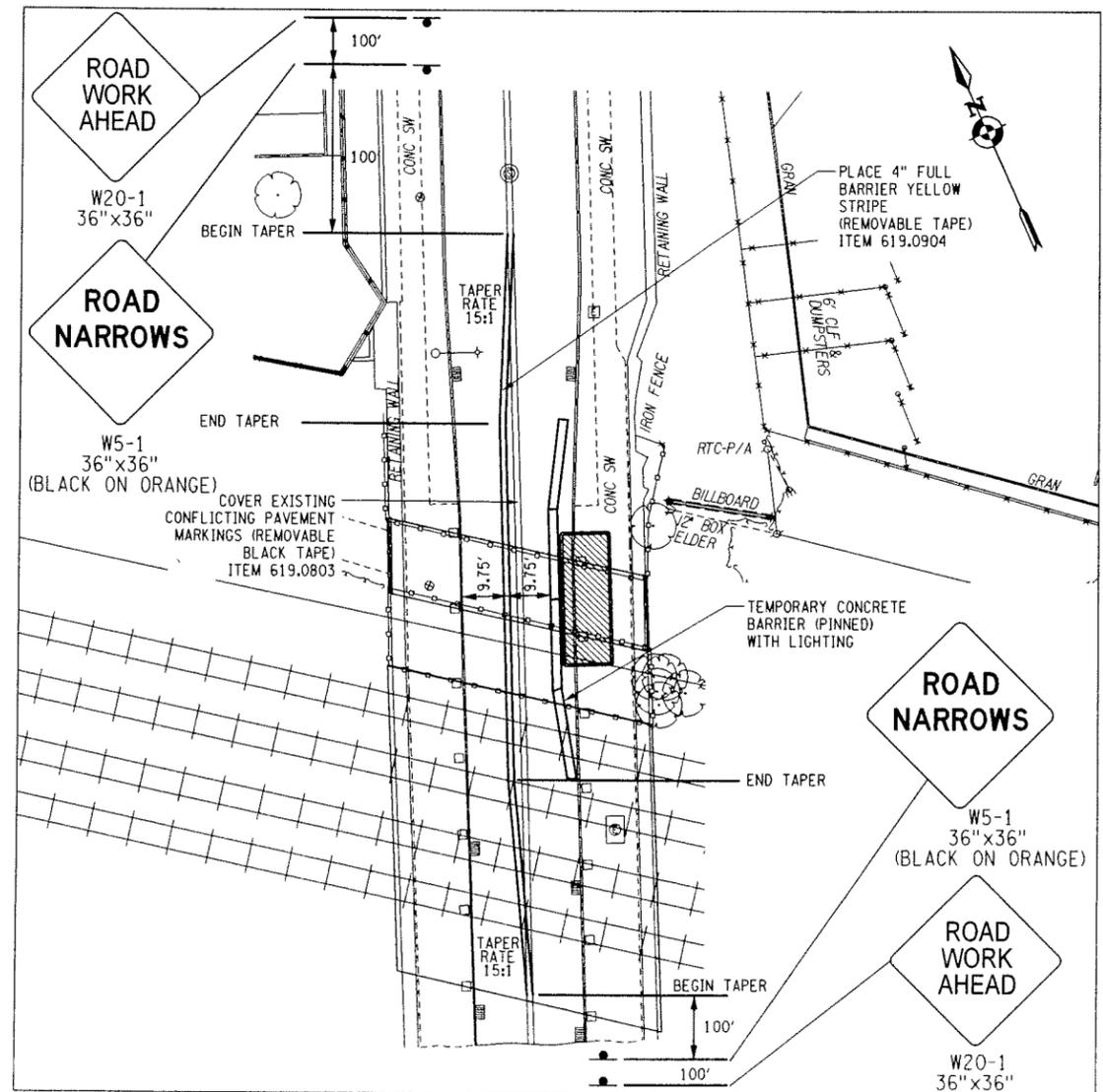
STAGING NOTES:
 1. CONTRACTOR SHALL BE LIMITED TO SHORT TERM LANE REDUCTIONS FOR LEAD ABATEMENT AND PAINTING OPERATIONS ON THE EXISTING BRIDGE PIERS. LANE REDUCTIONS WILL BE ONLY BE ALLOWED ON MONDAY, WEDNESDAY AND FRIDAYS UNLESS OTHERWISE APPROVED BY THE PROJECT MANAGER.



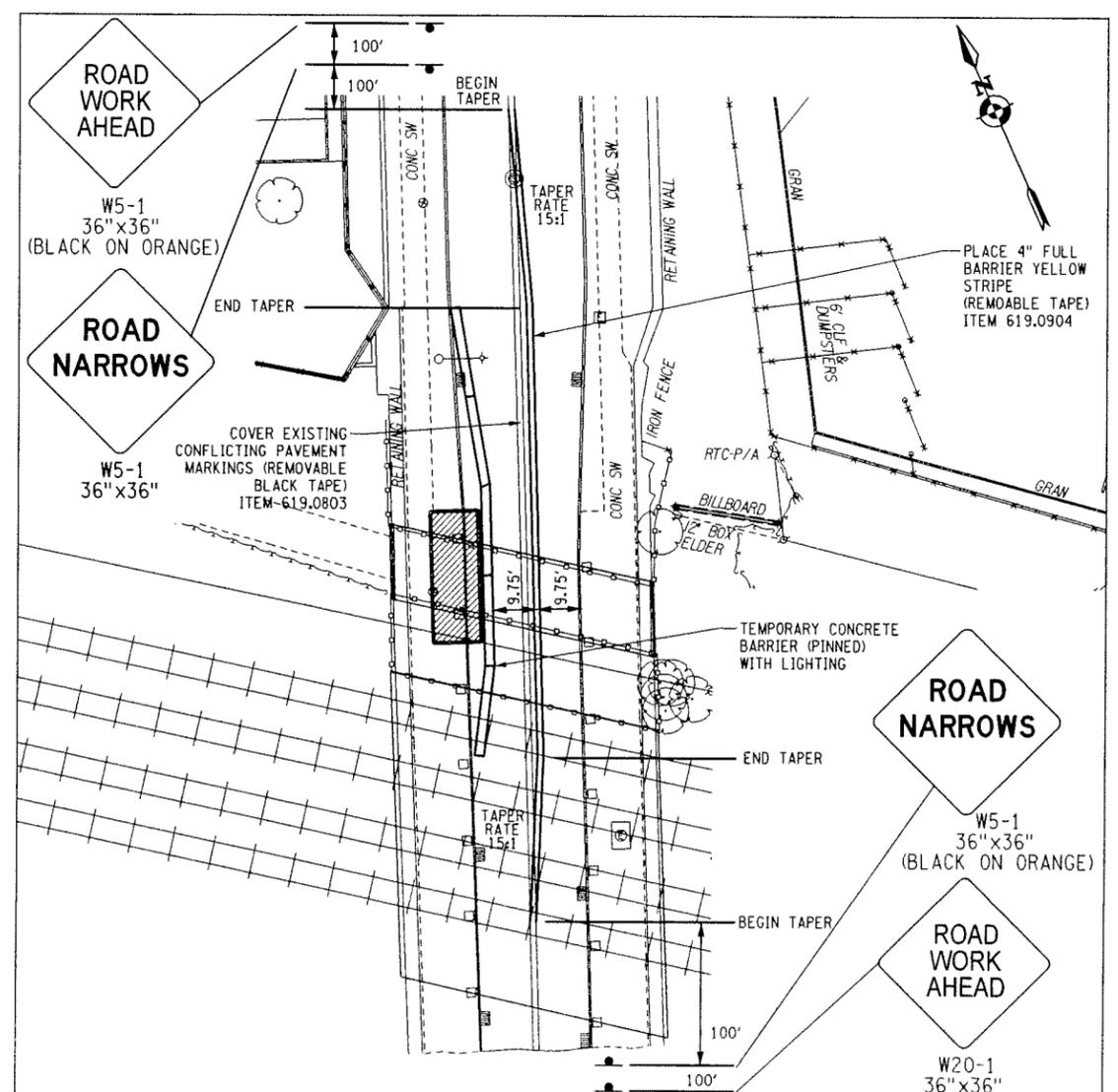
TYPICAL SECTION - PHASE 1
 N UNION STREET (UNDER BRIDGE)



TYPICAL SECTION - PHASE 2
 N UNION STREET (UNDER BRIDGE)



PLAN - PHASE 1
 N UNION STREET (UNDER BRIDGE)



PLAN - PHASE 2
 N UNION STREET (UNDER BRIDGE)

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 1"=30'
 FIRST ISSUE DATE
 7/25/2011

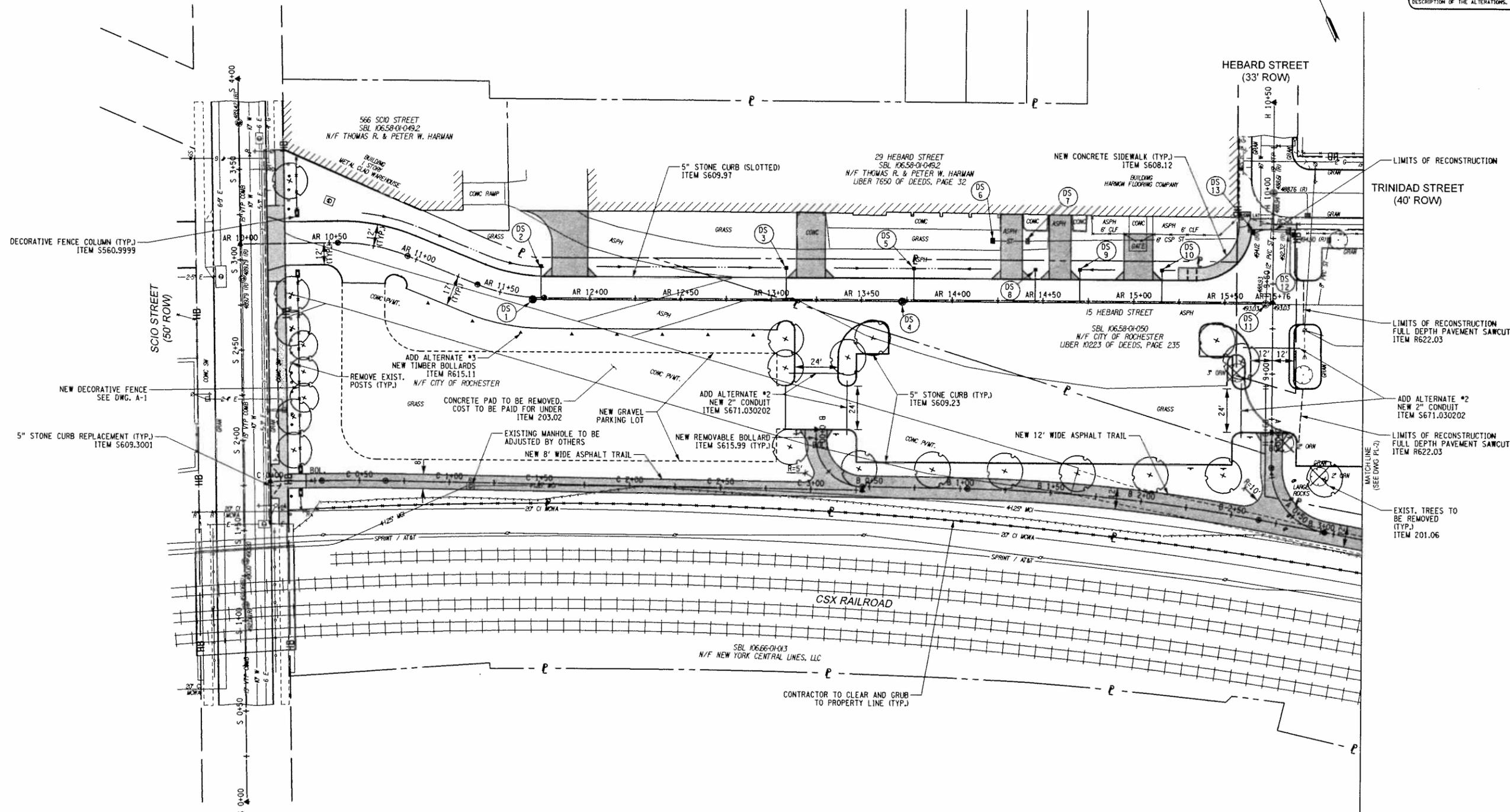
STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 471-1410
 Fax: (585) 272-1814
 www.stantec.com

Stantec
 UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 TRAFFIC CONTROL PLAN

PROJECT NO
 192500267
 DRAWING NO
 TCP-2
 SHEET 19 OF 38

Plotting Parameters
 Plotted By: kstettner
 Design File: U:\192500267\Transportation\Design\Drawing\Plan_Sheet\PL-1.dgn
 Plotted: 7/29/2011
 Time: 11:46:27 AM

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 1"=50'
 FIRST ISSUE DATE
 7/29/2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

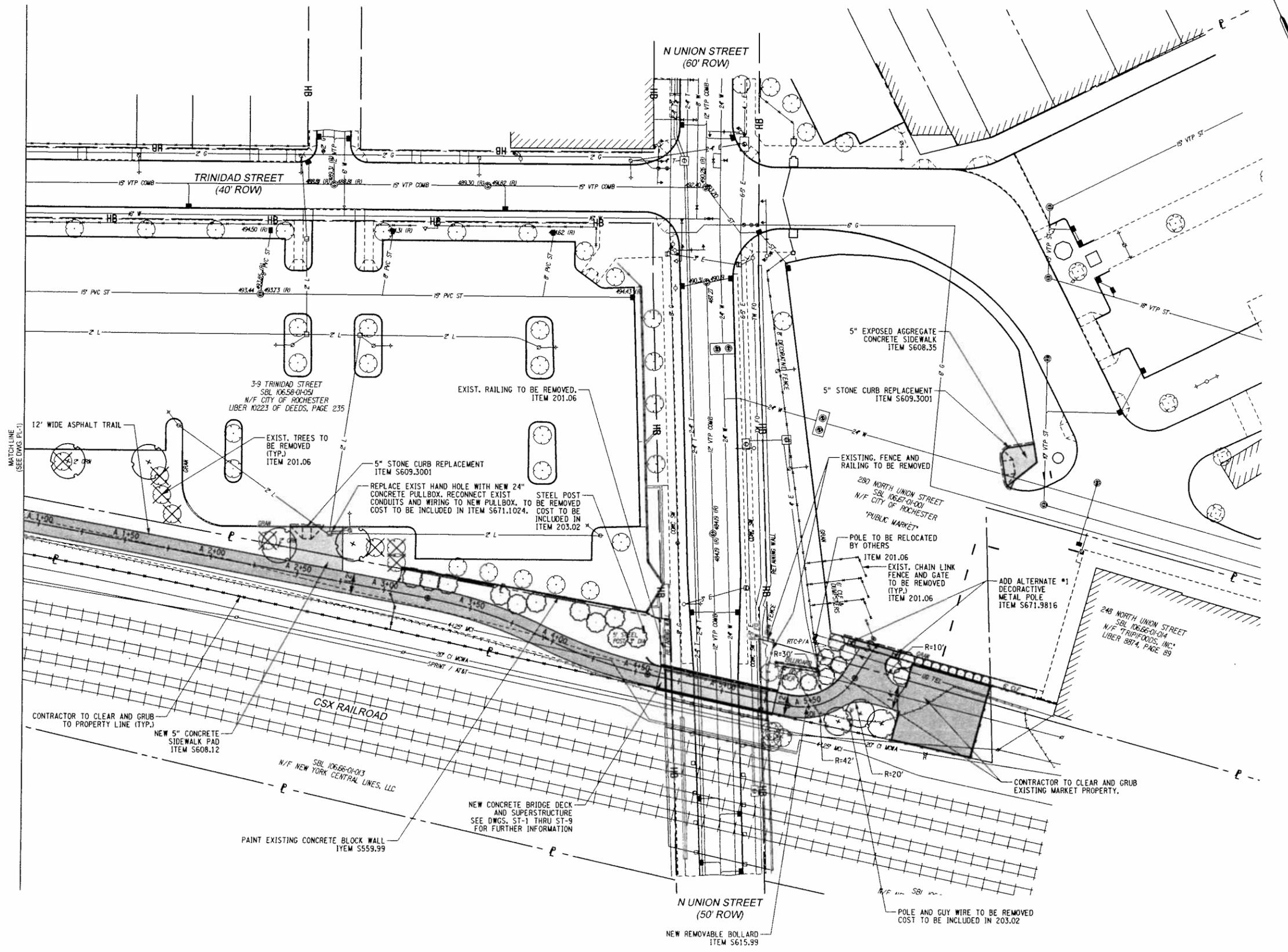


PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 PLAN SHEET

PROJECT NO
 192500267
 DRAWING NO
 PL-1
 SHEET 20 OF 38

Produced by: **Stantec**
 Project: **192500267**
 Drawing: **PL-2**
 Title: **UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT**
 Date: **7/25/2011**
 Time: **11:46:24 AM**

COPYRIGHT © 2011 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
K. STETTNER
 PROJECT MANAGER
J. HOFMANN
 DRAWN BY
S. MILLER
 SCALE
1"=30'
 FIRST ISSUE DATE
7/25/2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com



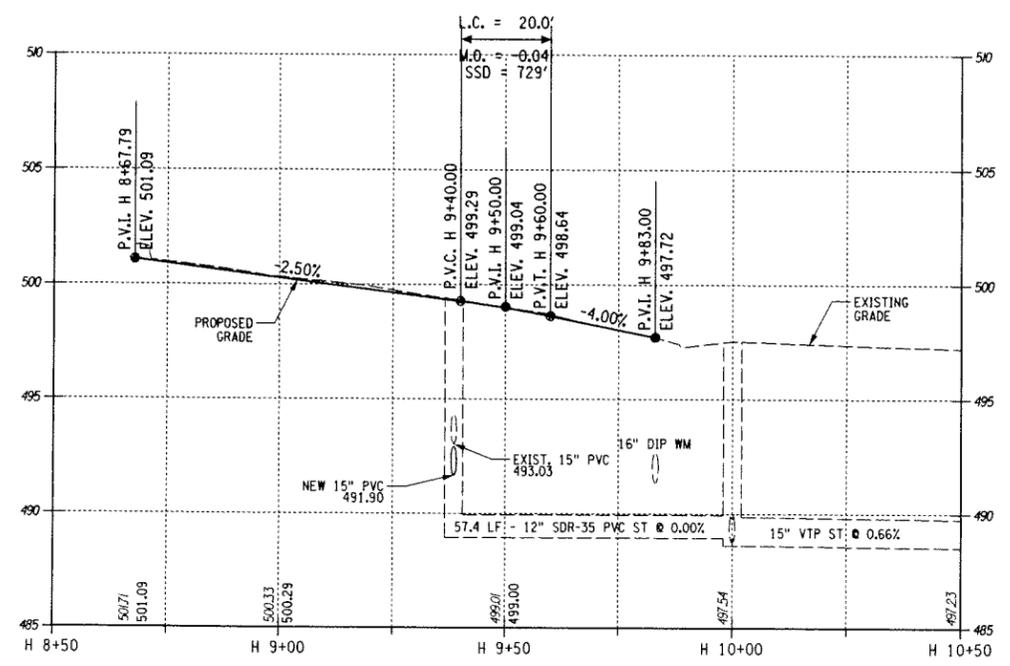
PROJECT
UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
PLAN SHEET

PROJECT NO
192500267
 DRAWING NO
PL-2
 SHEET 21 OF 38

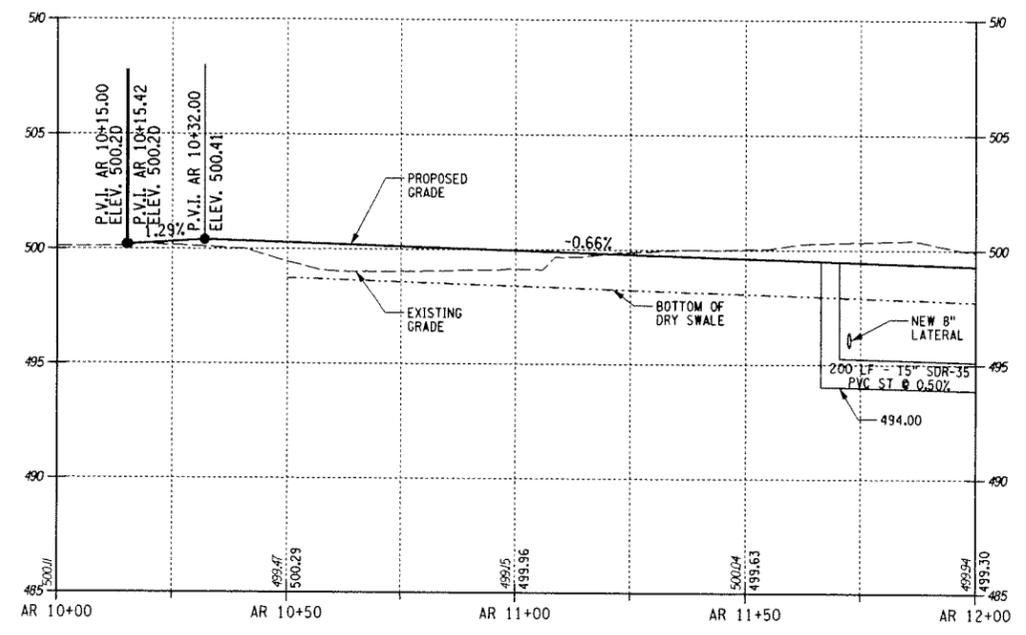
Vertical Curves
 Design
 Project
 Node

Plotted By: J. Miller
 Design File: U:\192500267\Functional\Design\Drawings\Plan_Sheet\PR-1.dgn
 Plotted: 7/28/2011
 Time: 11:48:31 AM

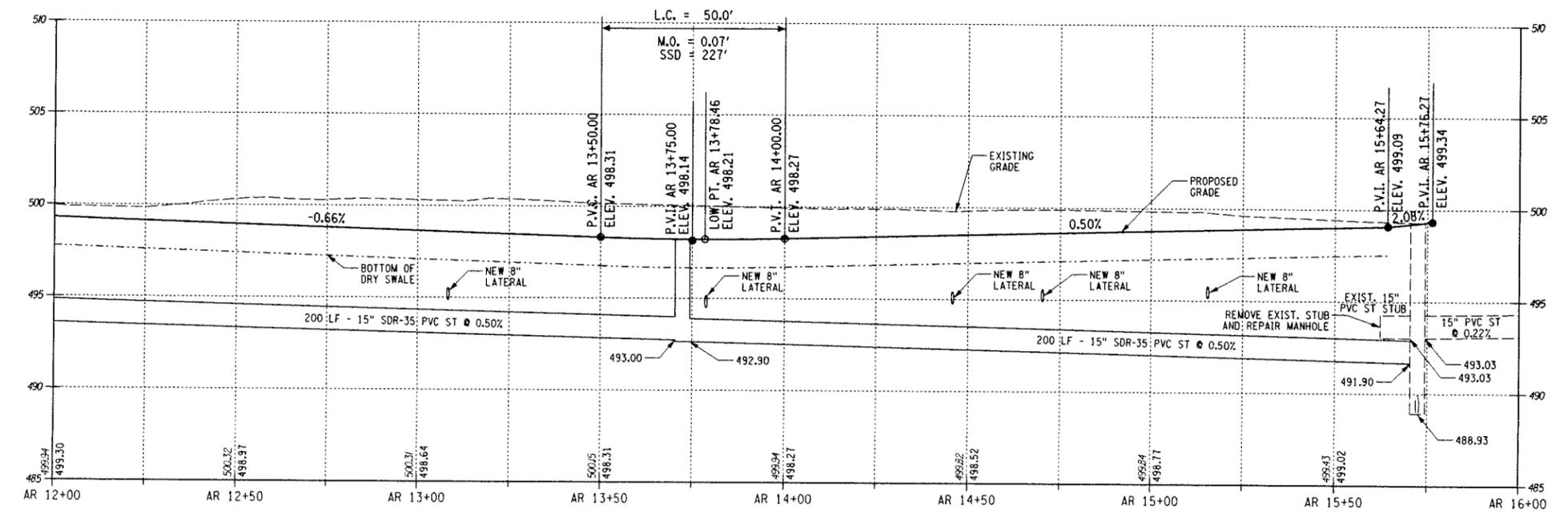
COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



CENTERLINE PROFILE OF HEBARD STREET



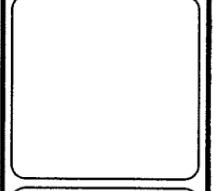
CENTERLINE PROFILE OF ACCESS ROAD



CENTERLINE PROFILE OF ACCESS ROAD

NO.	DATE	REVISIONS	BY
6			
5			
4			
3			
2			
1			
0			

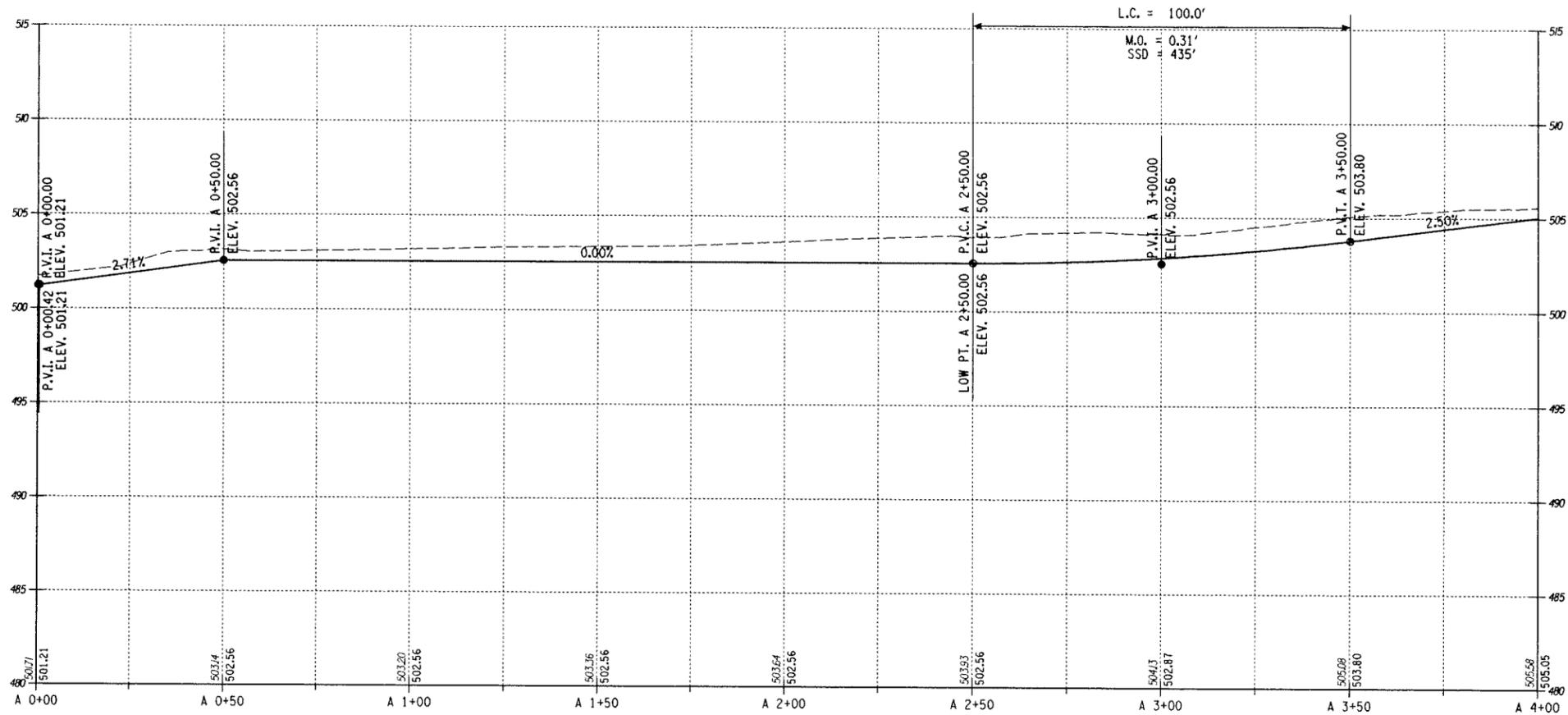
PROJECT ENGINEER/ARCHITECT
 K. STEITNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 H: 1"=20', V: 1"=4'
 FIRST ISSUE DATE
 7/25/2011



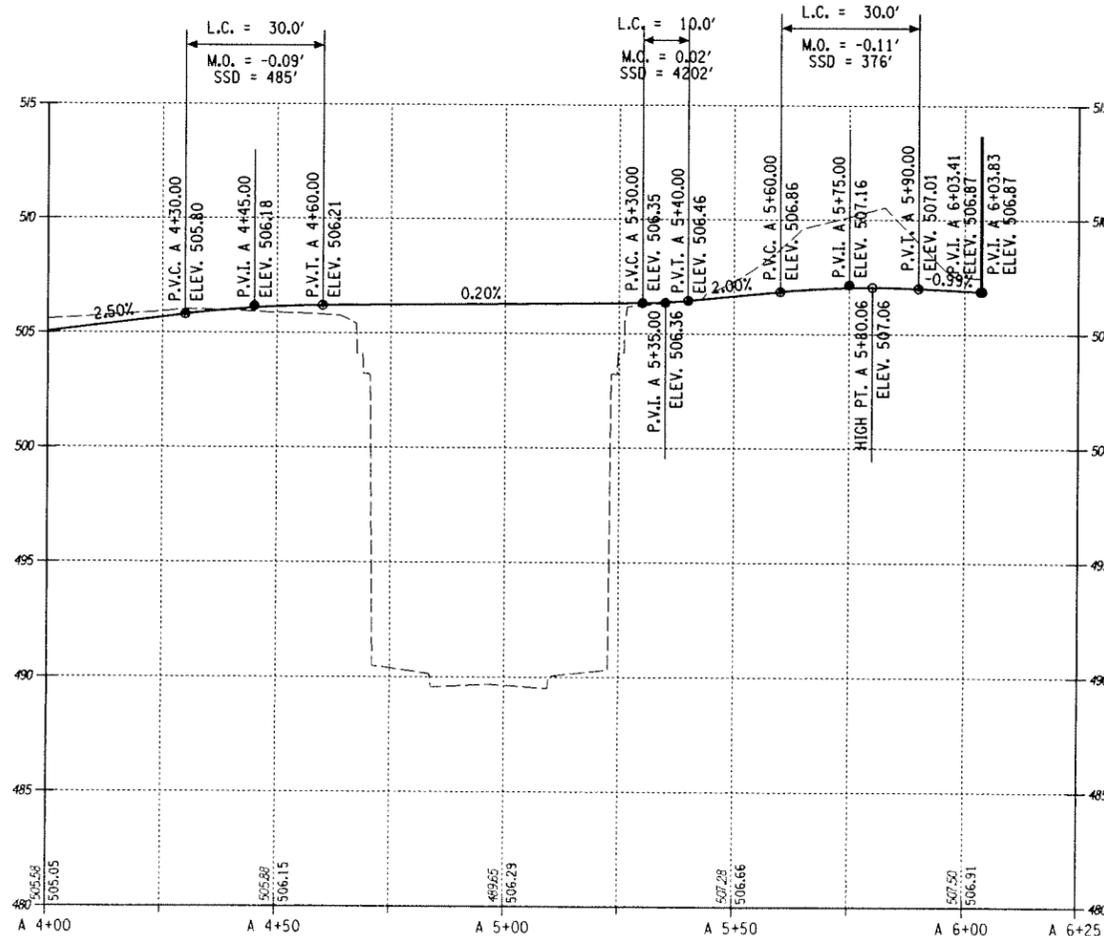
STANTEC CONSULTING SERVICES INC.
 81 Commercial Street
 Rochester, NY 14614
 Tel: (565) 475-1440
 Fax: (565) 272-1814
 www.stantec.com

PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 PROFILE SHEET

PROJECT NO
 192500267
 DRAWING NO
 PR-1
 SHEET 22 OF 38



CENTERLINE PROFILE OF TRAIL A

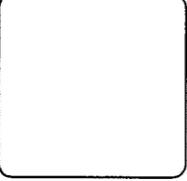


CENTERLINE PROFILE OF TRAIL A

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

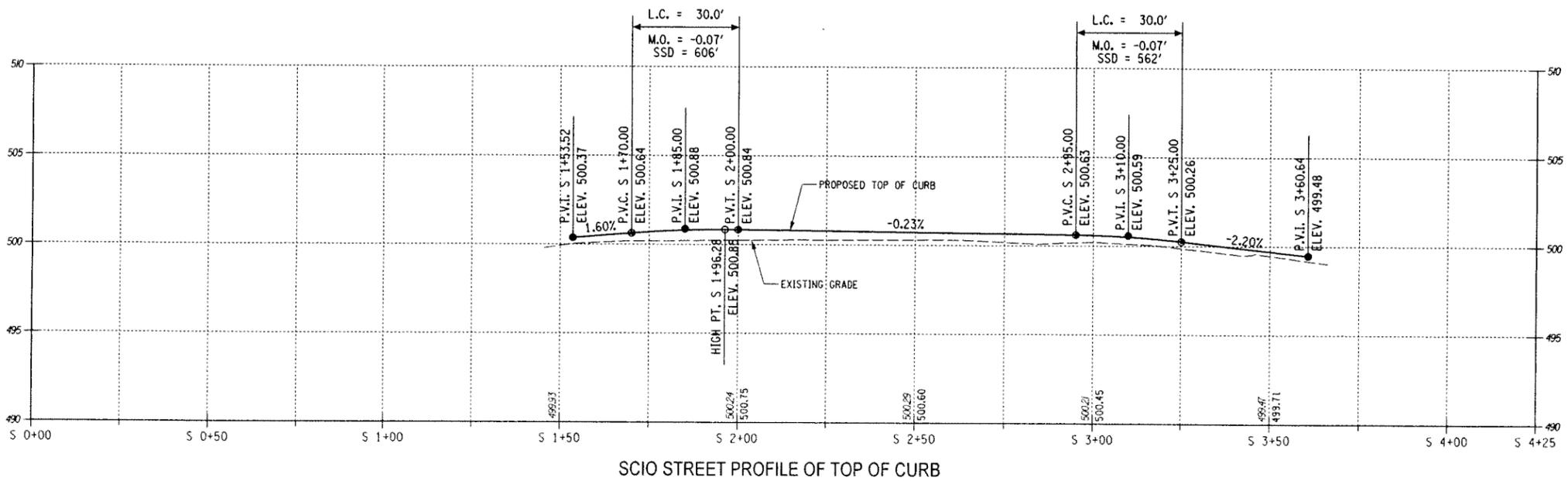
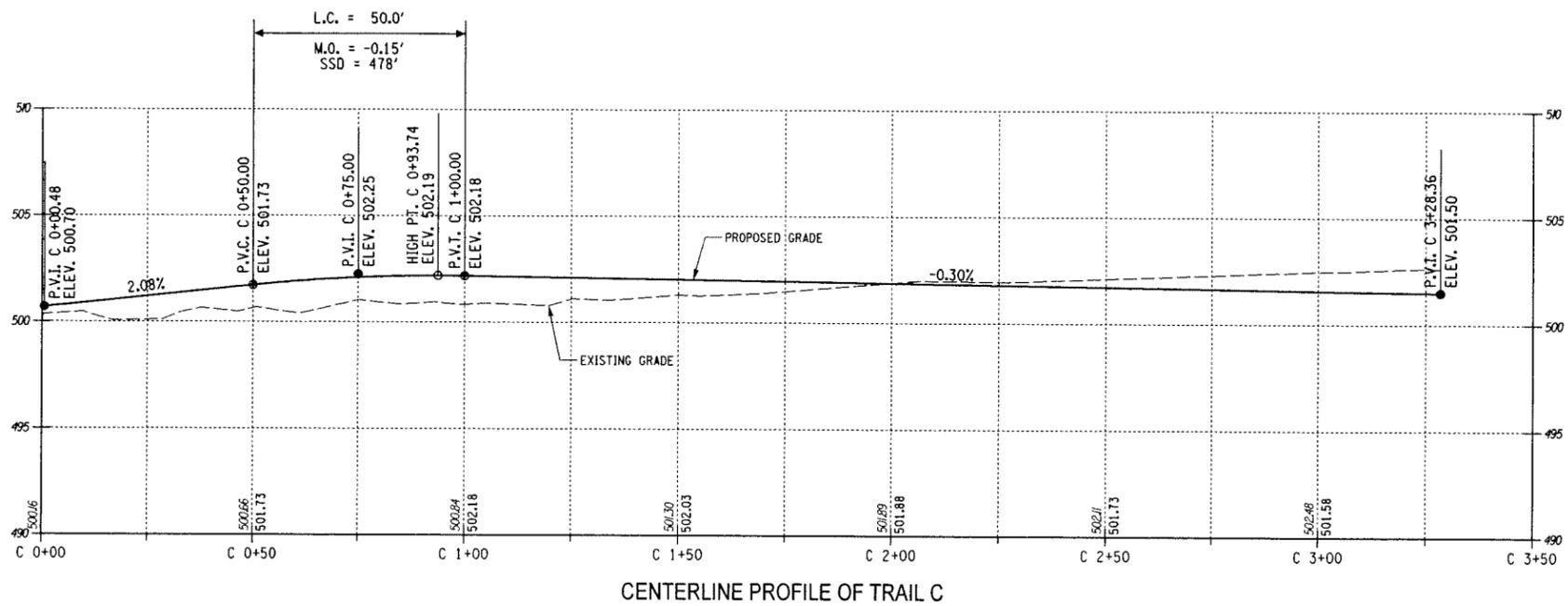
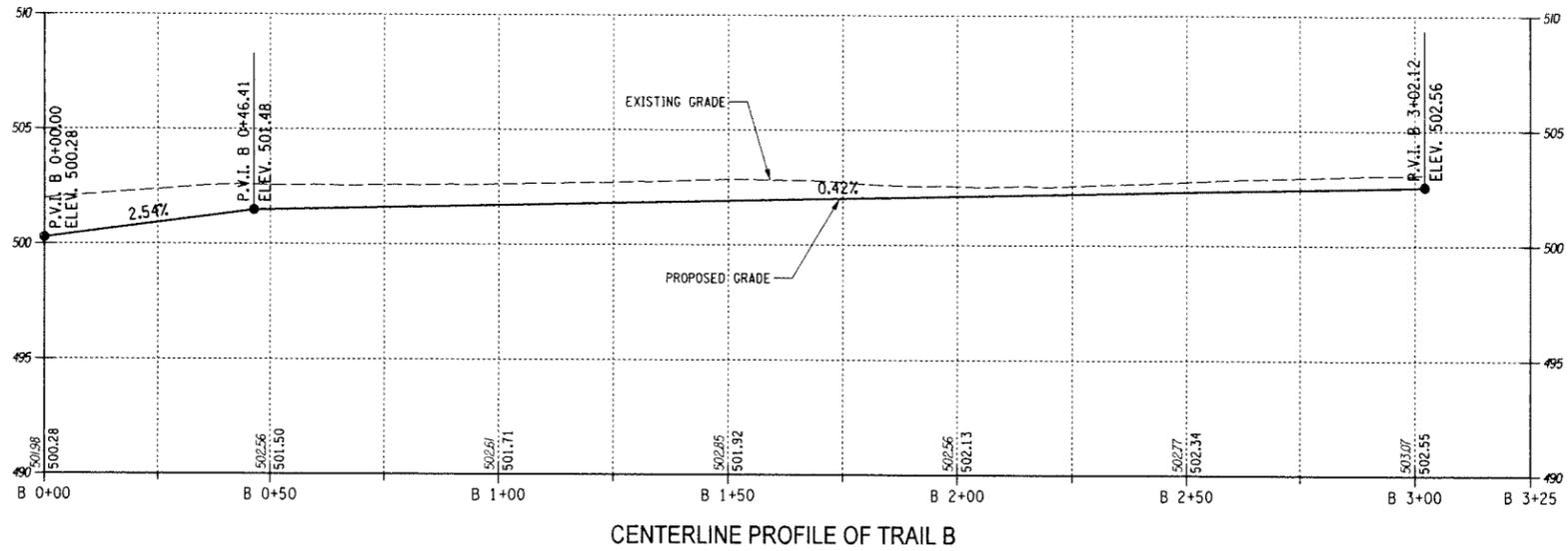
PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 H: 1"=20', V: 1"=4'
 FIRST ISSUE DATE
 7/25/2011



STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 PROFILE SHEET

PROJECT NO
 192500267
 DRAWING NO
 PR-2
 SHEET 23 OF 38



COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 H: 1"=20'; V: 1"=4'
 FIRST ISSUE DATE
 7/28/2011

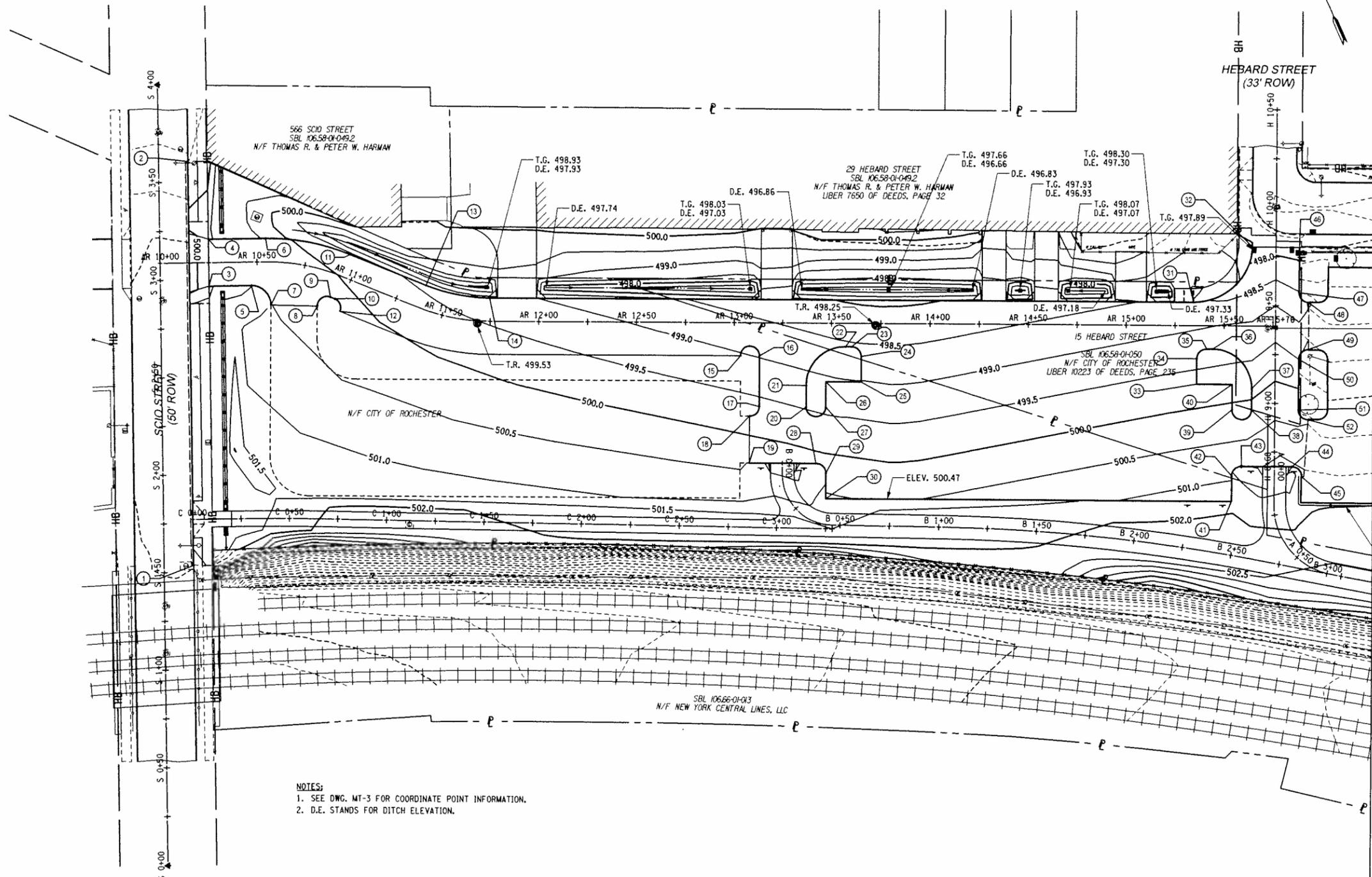
STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, N.Y. 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 PROJECT NO.
 192500267
 DRAWING NO.
 PR-3
 SHEET 24 OF 38
 TITLE OF DRAWING
 PROFILE SHEET

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

Plotting Parameters:
 Plotted By: kstettner
 Design File: U:\192500267\Transportation\Design\Drawings\Plan_Sett\GP-1.dgn
 Plotter: 7/28/2011
 Time: 11:46:36 AM

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



NOTES:
 1. SEE DWG. MT-3 FOR COORDINATE POINT INFORMATION.
 2. D.E. STANDS FOR DITCH ELEVATION.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 1"=50'
 FIRST ISSUE DATE
 7/25/2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

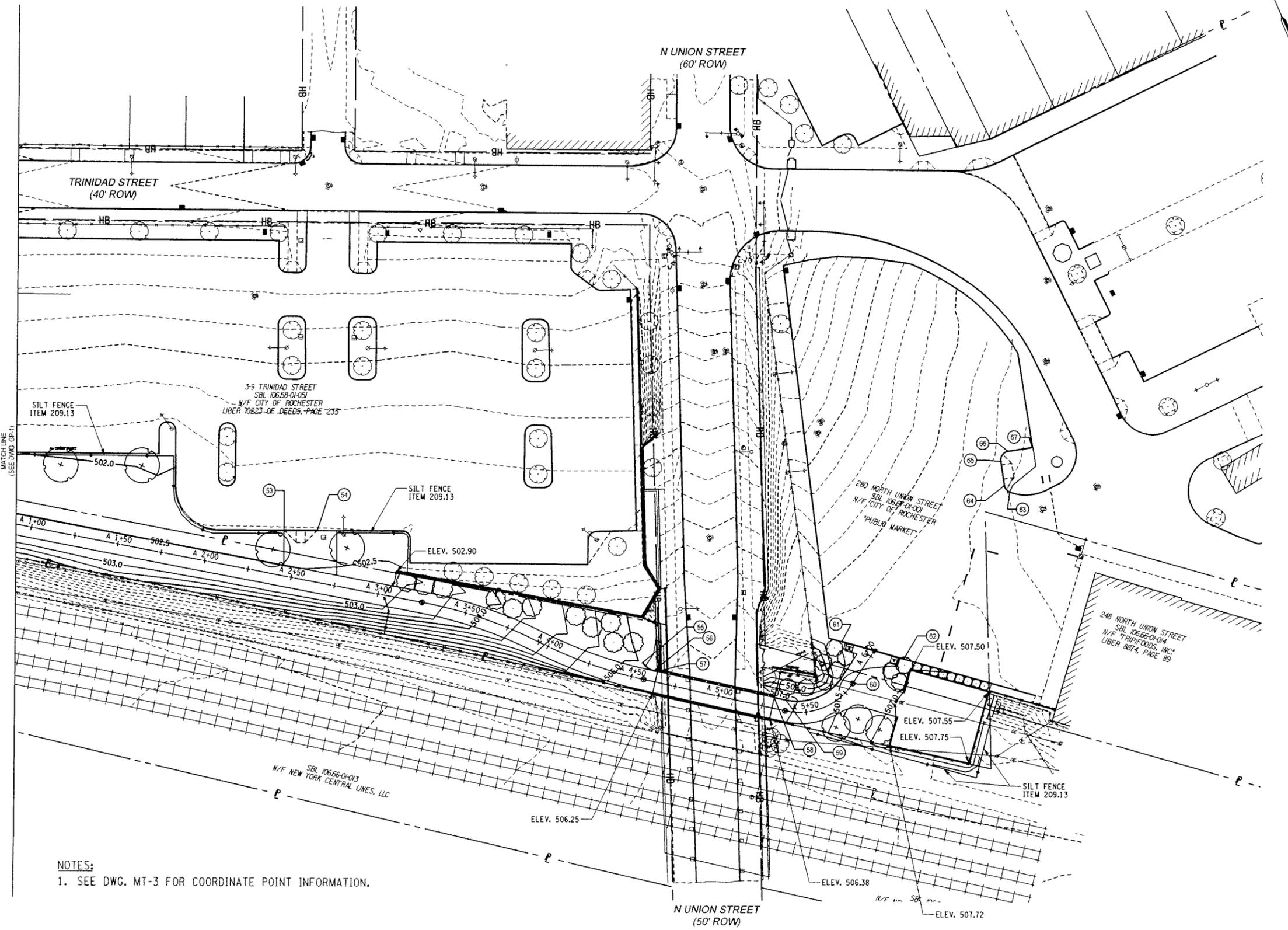


PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 GRADING PLAN

PROJECT NO.
 192500267
 DRAWING NO.
 GP-1
 SHEET 25 OF 38

Project Parameters
 Plotted By: jstettner
 Design File: U:\192500267\Transportation\Drawings\Plan_Soil\GP-2.dgn
 Plotted: 7/26/2011
 Time: 11:46:34 AM

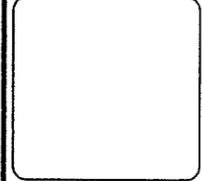
COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY
 PERSON, UNLESS ACTING UNDER THE
 DIRECTION OF LICENSED ARCHITECT,
 PROFESSIONAL ENGINEER, LANDSCAPE
 ARCHITECT, OR LAND SURVEYOR TO
 ALTER ANY ITEM ON THIS DOCUMENT
 IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS
 DOCUMENT IS REQUIRED BY LAW TO
 AFFIX HIS OR HER SEAL AND THE
 NOTATION "ALTERED BY" FOLLOWED BY
 HIS OR HER SIGNATURE AND SPECIFIC
 DESCRIPTION OF THE ALTERATIONS.



NOTES:
 1. SEE DWG. MT-3 FOR COORDINATE POINT INFORMATION.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. MILLER
 SCALE
 1"=30'
 FIRST ISSUE DATE
 7/25/2011



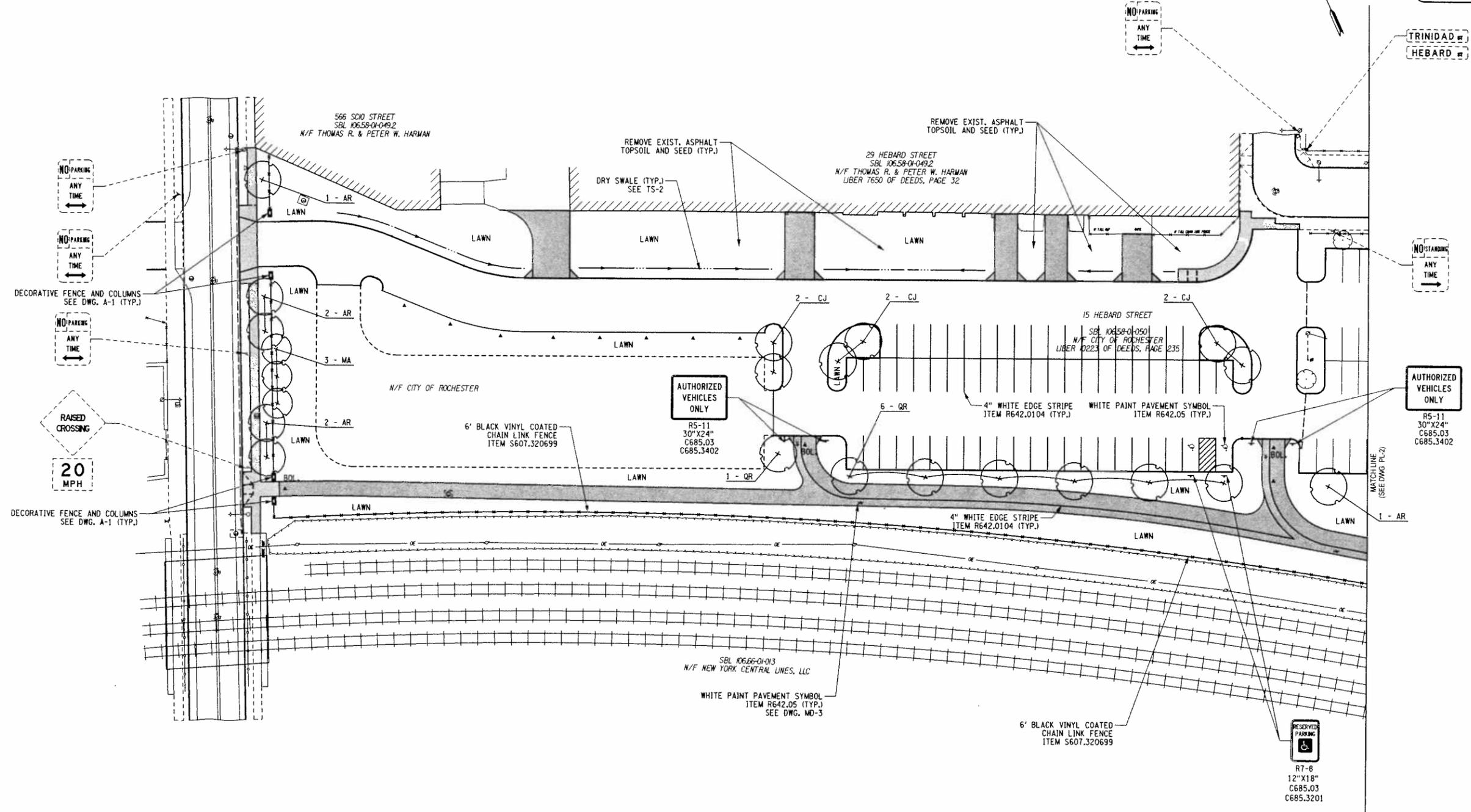
STANTEC CONSULTING
 SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 272-1814
 Fax: (585) 272-1814
 www.stantec.com

PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 GRADING PLAN

PROJECT NO
 192500267
 DRAWING NO
 GP-2
 SHEET 26 OF 38

Robbing Parameters
 Plotted By: kshattar
 Design File: U:\192500267\Transportation\Design\Drawings\Plan_Sets\LP-1.dgn
 Plotted: 7/28/2011
 Time: 11:48:40 AM

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



PLANT MATERIAL LIST

QUAN.	KEY	LATIN NAME	COMMON NAME	CAL.	ROOT	SPREAD OR HEIGHT	REMARKS
	AR	ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE	2-2.5"	B&B		SPRING PLANTING ONLY
	CJ	CERCIDIPHYLLUM JAPONICUM	KATSURA TREE	2-2.5"	B&B		SPRING PLANTING ONLY
	MA	MALUS 'SPRING SNOW'	SPRING SNOW CRAB	1.5-2"	B&B		SPRING PLANTING ONLY
	QR	QUERCUS RUBRA	NORTHERN RED OAK	2-2.5"	B&B		SPRING PLANTING ONLY

LANDSCAPING NOTES:

- ALL PLANTS SHALL MEET OR EXCEED THE MINIMUM REQUIREMENTS AS NOTED IN THE LATEST EDITION OF THE AMERICAN STANDARD FOR NURSERY STOCK BY AMERICAN NURSERY AND LANDSCAPE ASSOCIATION, ANSI Z60.1.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR HIS OWN QUANTITY TAKEOFF.
- THE CONTRACTOR SHALL STAKEOUT PLANTINGS FOR OWNER'S REPRESENTATIVE'S APPROVAL PRIOR TO BEGINNING WORK.
- THE CONTRACTOR IS HEREBY NOTIFIED THAT UNDERGROUND UTILITIES EXIST AND THEY SHOULD SECURE CURRENT UTILITY PLANS BEFORE COMMENCING WORK.
- SHOULD LOCATION OF TREES BE WITHIN 5' OF UNDERGROUND UTILITIES, RELOCATE SAID TREES TO A MIN. OF 5' FROM BALL TO UTILITIES.
- SHOULD LOCATION OF LARGE DECIDUOUS TREES BE WITHIN 20' OF OVERHEAD WIRES, RELOCATE SAID TREES TO A MINIMUM OF 20' TO WIRES.
- PLANTING BACKFILL MIXTURE:
 1/3 SCREENED TOPSOIL, 1/3 PEAT MOSS, 1/3 EXISTING EXCAVATED SOIL;
 10 LBS. 5-10-5 PLANTING FERTILIZER THOROUGHLY MIXED PER CUBIC YARD.
- STAKE TREES IMMEDIATELY AFTER PLANTING.
- MULCH ALL BEDS WITH 3" DEPTH, SHREDDED HARDWOOD BARK MIXTURE AND WEED BARRIER.
- REFER TO SPECIFICATIONS FOR ALL PLANT MATERIAL GUARANTEES.
- SEED MIXTURES (APPLY TO AREAS NOT PAVED OR PLANTED). APPLY AT A RATE RECOMMENDED FOR EACH MIX, USING THE FOLLOWING:
 SEED MIX A: LAWN AREAS (RATE: 6 LBS. PER 1,000 SQ. FT.)
 25% MANHATTAN 4 PERENNIAL RYEGRASS
 25% KENTUCKY BLUEGRASS (BROOKLAWN)
 25% JASPER II RED FESCUE
 25% PIZZAZZ PERENNIAL RYEGRASS
- APPLY STARTER FERTILIZER 18-24-12 WITH 50% SLOW RELEASE NITROGEN AT THE RATE OF 6 LBS. PER 1,000 SF. (LAWN FERTILIZER TO BE APPLIED AT A RATE OF 25 LB./1,000 SF PER YEAR.) MULCH WITH STRAW AT A RATE OF 75 LB./1,000 SF IMMEDIATELY FOLLOWING SEEDING OPERATIONS. IF HYDROSEEDING, APPLY WOOD FIBER CELLULOSE MULCH AT A RATE OF 1,200 LBS. PER ACRE. IN AREAS WITH SLOPES, USE A NON-ASPHALTIC TACKING EMULSION AT MANUFACTURER'S RECOMMENDED RATES TO ANCHOR SEED AND MULCH.
- ALL AREAS ARE TO RECEIVE FOUR INCHES OF TOPSOIL. SEED, MULCH AND WATER UNTIL A HEALTHY STAND OF GRASS IS OBTAINED.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 K. STETTNER
 PROJECT MANAGER
 J. HOPMANN
 DRAWN BY
 S. MILLER
 SCALE
 1"=30'
 FIRST ISSUE DATE
 7/25/2011

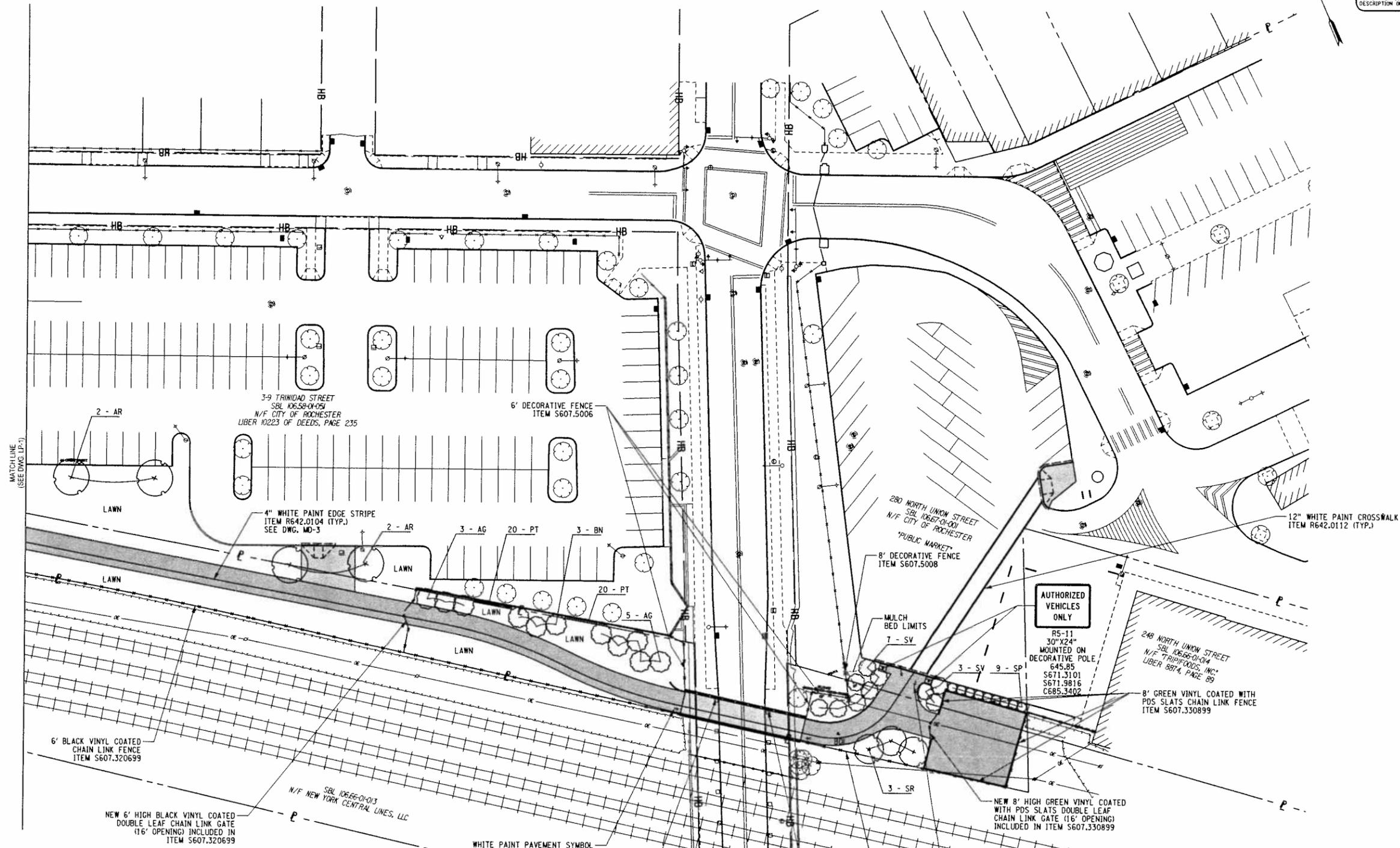
STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1444
 Fax: (585) 272-1814
 www.stantec.com



PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 LANDSCAPE AND PAVEMENT MARKING PLAN

PROJECT NO
 192500267
 DRAWING NO
 LP-1
 SHEET 27 OF 38

COPYRIGHT © 2011
STANTEC
DRAWING ALTERATION
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.



PLANT MATERIAL LIST

QUAN.	KEY	LATIN NAME	COMMON NAME	CAL.	ROOT	SPREAD OR HEIGHT	REMARKS
8	AG	AMELANCHIER GRANDIFLORA 'AUTUMN BRILLIANCE'	AUTUMN BRILLIANCE SERVICEBERRY		B&B	5-6' HT	CLUMP
4	AR	ACER RUBRUM 'RED SUNSET'	RED SUNSET MAPLE	2-2.5"	B&B		SPRING PLANTING ONLY
3	BN	BETULA NIGRA 'LITTLE KING'	DWARF RIVER BIRCH		B&B	3-4' HT	CLUMP
40	PT	PARTHENOCISSUS TRICUSPIDATA	BOSTON IVY		NO. 1 CONT.		1' OC
9	SP	SYRINGA PATULA 'MISS KIM'	MISS KIM LILAC		B&B	4' HT	
3	SR	SYRINGA RETICULATA	JAPANESE TREE LILAC	1.5-2"	B&B		
10	SV	SYRINGA VULGARIS	COMMON LILAC		B&B	5-6' HT	



LANDSCAPING NOTES:
1. SEE DWG. LP-1 FOR LANDSCAPING NOTES.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
K. STETTNER
PROJECT MANAGER
J. HOFMANN
DRAWN BY
S. MILLER
SCALE
1"=30'
FIRST ISSUE DATE
7/25/2011

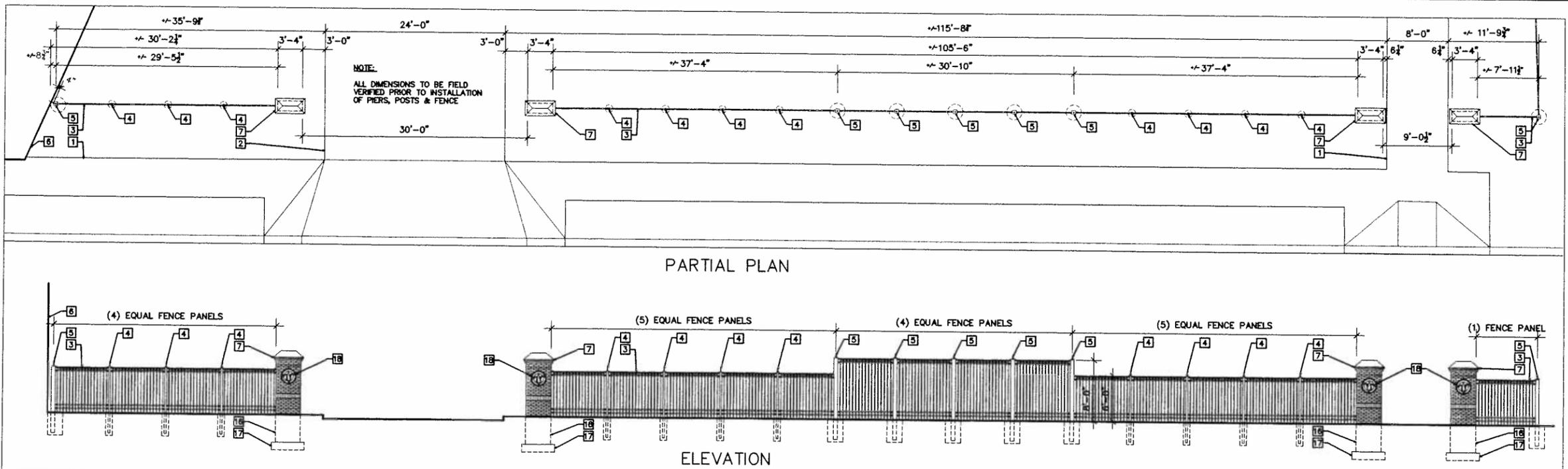
STANTEC CONSULTING SERVICES INC.
61 Commercial Street
Rochester, NY 14614
Tel: (585) 475-1440
Fax: (585) 272-1814
www.stantec.com
Stantec

PROJECT
UNION STREET RR BRIDGE "RAILS TO TRAILS"
CONVERSION PROJECT
CITY OF ROCHESTER, NEW YORK
TITLE OF DRAWING
LANDSCAPE AND PAVEMENT MARKING PLAN

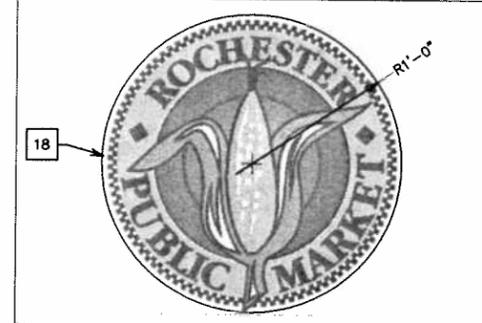
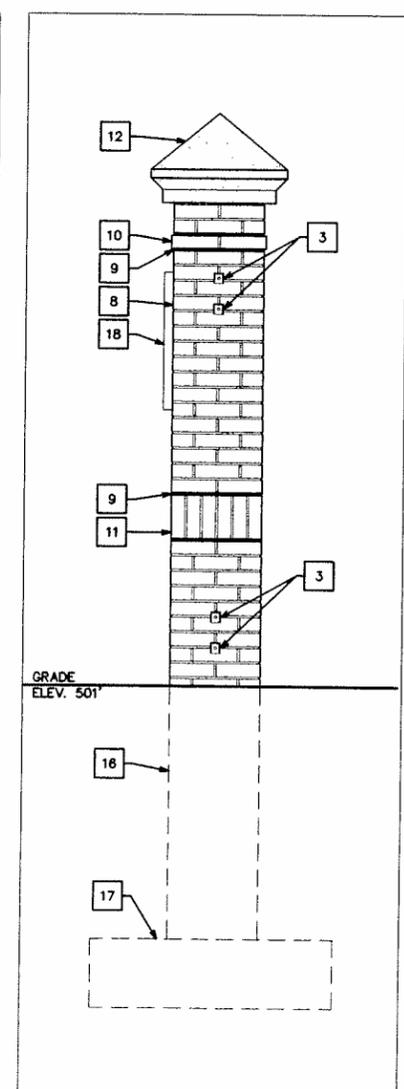
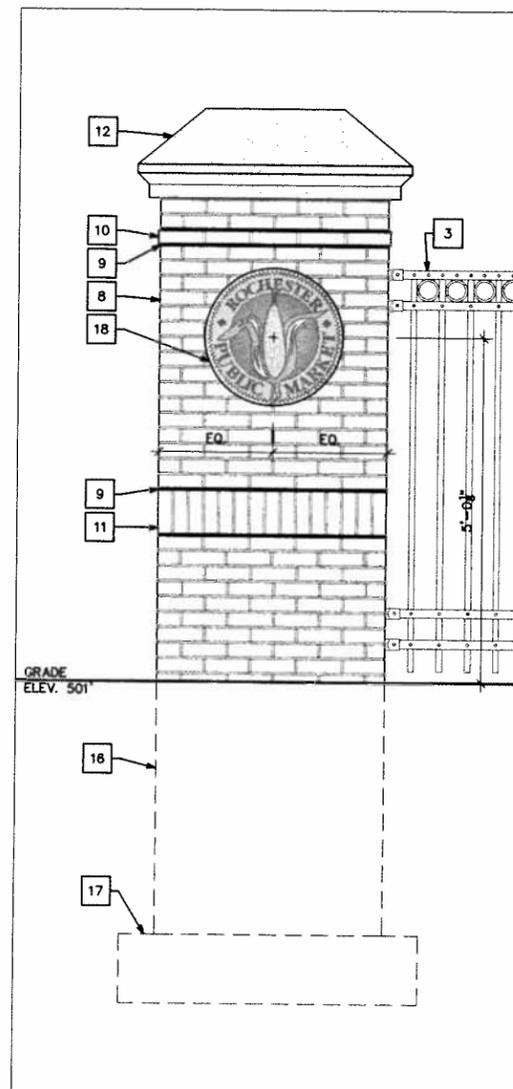
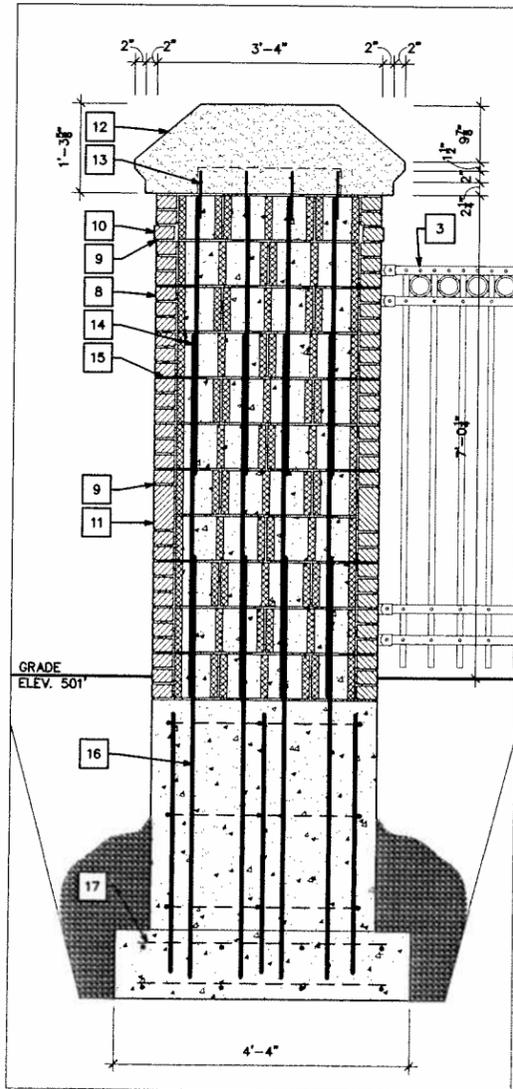
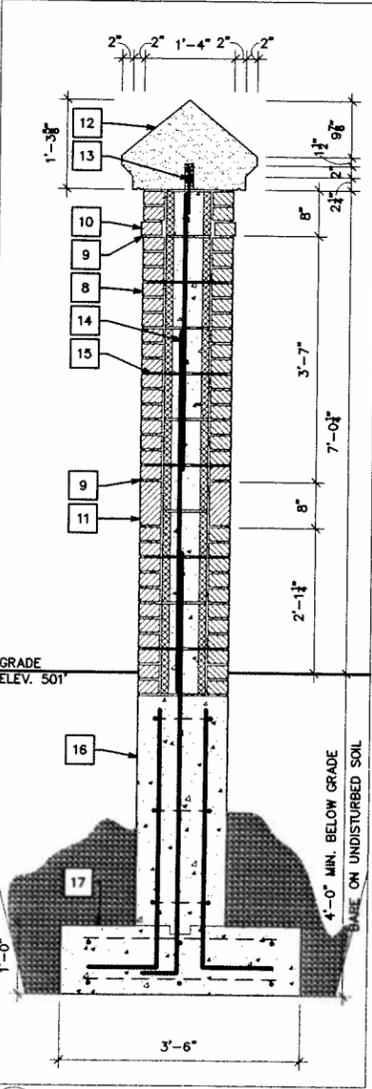
PROJECT NO
192500267
DRAWING NO
LP-2
SHEET 28 OF 38

Workspace
 Discipline: ARCHITECTURE
 Project: UNION STREET RR BRIDGE
 "RAILS TO TRAILS"
 CONVERSION PROJECT

Plotting Parameters
 Plotted By: PAL
 Design File: RM_SCD STREET PIER FENCE
 Date: 05/25/2011
 Time: 2:30 PM



1 PIER/FENCE ELEVATION & PARTIAL PLAN
 SCALE: 1/8" = 1'-0"

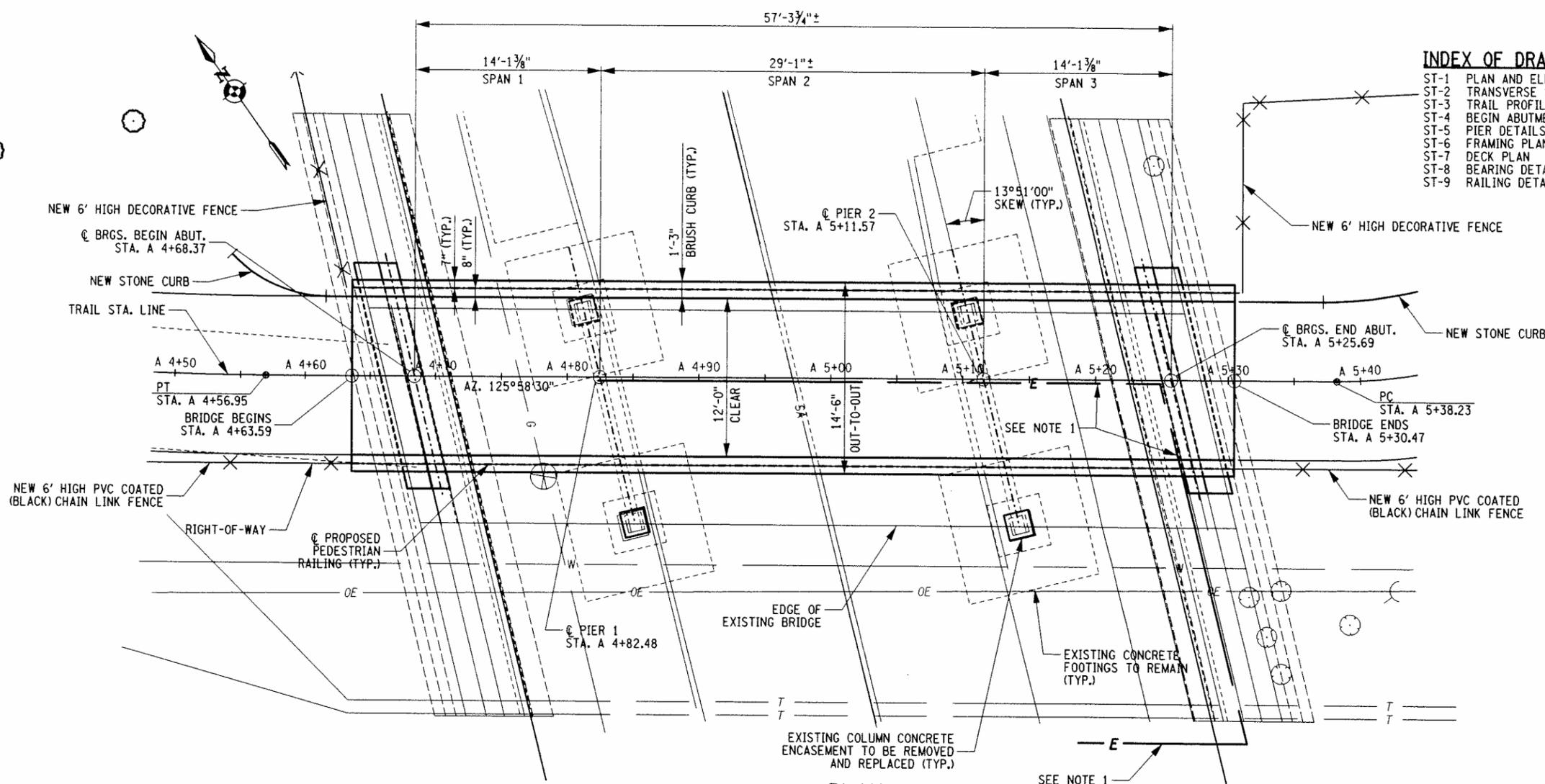


- KEYNOTES**
- SIDEWALK: REFER TO DRAWING MD-2
 - DRIVEWAY & CURB CUT: REFER TO DRAWING MD-2
 - PRE-FINISHED FENCE & POSTS SET IN CONC. FOOTING: REFER TO DRAWING MT-1 & MD-7 (ITEM S807.500X)
 - PRE-FINISHED 3" POST W/ BALL TOP
 - PRE-FINISHED 6" POST W/ BALL TOP
 - LINE OF EXISTING BUILDING: REFER TO DRAWING PL-1
 - BRICK PIER W/ PRECAST CAP (ITEM S560.9999)
 - 3" BRICK VENEER
 - RAKE JOINT TOP & BOTTOM OF PROJECTION STRETCHER & SOLDIER BRICK COURSES
 - PROJECTION BRICK STRETCHER COURSE
 - BRICK SOLDIER COURSE: PROVIDE MATCHING SOLID BRICK SOLDIER CORNERS W/ (2) EXPOSED FACES FINISHED & EQUAL FACE DIMENSIONS
 - PRECAST CAP W/ DRIP FULL PERIMETER & INTEGRAL DOWEL SLOT (LIMESTONE FINISH & COLOR SELECTED BY ARCHITECT FROM FULL PRODUCT LINE)
 - #4 x 12" (EMBEDDED 6" EACH WAY) DOWELS @ 8" O.C., GROUT SOLID INTO DOWEL SLOT
 - REINFORCED CONCRETE MASONRY UNITS W/ #5 BARS @ 8" O.C., GROUT ALL CORES SOLID
 - HORIZONTAL MASONRY REINFORCEMENT @ 16" O.C. (VERTICAL)
 - REINFORCED CONCRETE W/ KEYWAY & #5 BARS @ 16" O.C. HORIZ. & #5 TIES @ 16" O.C. VERT.
 - REINFORCED CONCRETE PAD: (3) #5 BARS @ 3'-6" LENGTH TOP & BOTTOM & (4) #5 BARS @ 4'-4" LENGTH TOP & BOTTOM
 - SIGN: 1 1/2" x 2'-0" HIGH DENSITY URETHANE, PAINTED FACES & EDGES W/ CAST VINYL LETTERS & GRAPHICS TO MATCH EXISTING (ARTWORK PROVIDED BY CITY OF ROCHESTER, NY IN BMP FORMAT). MOUNT FLUSH TO BRICK PIERS W/ (4) EA. LAG BOLTS PER SIGN COUNTER SUNK & FILLED TO CONCEAL (TYPICAL OF 4)

- GENERAL NOTES**
- ALL CONTRACTORS SHALL FAMILIARIZE THEMSELVES W/ ALL EXISTING CONDITIONS & DOCUMENTS PERTAINING TO THE JOB PRIOR TO START OF CONSTRUCTION & REPORT ANY DISCREPANCIES TO THE ARCHITECT.
 - SHOP DRAWINGS PREPARED BY SUPPLIERS & SUBCONTRACTORS SHALL BE REVIEWED, SIGNED & STAMPED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE ARCHITECT.
- GENERAL CONCRETE NOTES**
- DESIGN AND CONSTRUCTION SHALL CONFORM TO THE "BUILDING CODE OF NEW YORK STATE", LATEST EDITION.
 - THE STRUCTURAL DRAWINGS & SPECIFICATIONS REPRESENT THE FINISHED STRUCTURE. THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS, & SEQUENCES OF ALL PHASES OF CONSTRUCTION & DEMOLITION INCLUDING TEMPORARY SHORING AND BRACING. THE CONTRACTOR SHALL COMPLY WITH ALL APPLICABLE CODES & STANDARDS THAT PERTAIN TO MEANS, METHODS, AND SEQUENCES OF CONSTRUCTION.
 - CONTRACTOR TO COORDINATE ALL OPENINGS, EQUIPMENT LOCATIONS, & INSERTS SHOWN ON THE STRUCTURAL DRAWINGS WITH THE TRADES THAT REQUIRE THEM.
 - SHOP DRAWINGS PREPARED BY SUPPLIERS & SUBCONTRACTORS SHALL BE REVIEWED, SIGNED & STAMPED BY THE CONTRACTOR PRIOR TO SUBMISSION TO THE ARCHITECT & ENGINEER. REPRODUCTION OF THE STRUCTURAL DRAWINGS SHALL NOT BE USED FOR PREPARATION OF SHOP DRAWINGS MANUFACTURED COMPONENTS SHALL BE SIGNED & STAMPED BY A LICENSED PROFESSIONAL ENGINEER PRIOR TO SUBMISSION.
 - FOUNDATION DESIGN IS BASED ON A PRESUMPTIVE ALLOWABLE BEARING OF 2,500 PSF. CONTRACTOR SHALL HAVE ALLOWABLE BEARING CONFIRMED BY A GEOTECHNICAL ENGINEER DURING CONSTRUCTION, PRIOR TO PLACING FOOTING CONCRETE.
- GENERAL STRUCTURAL NOTES**
- CONCRETE DESIGN & CONSTRUCTION SHALL CONFORM TO THE LATEST EDITION OF ACI 318 AND ACI 301.
 - MINIMUM COMPRESSIVE STRENGTH AT 28 DAYS SHALL BE:
 FOOTINGS, PIERS, FND. - 4000psi
 MAX. W/C/ RATIO = 0.45
 - ALL CONCRETE EXPOSED TO EARTH OR WEATHER SHALL HAVE 4% TO 6% ENTRAINED AIR.
 - REINFORCING STEEL SHALL CONFORM TO ASTM A615, GRADE 60. THE WELDING OF REINFORCING BARS SHALL CONFORM TO ASTM A706 & AWS D1.4.
 - THE CONTRACTOR SHALL FABRICATE ALL REINFORCEMENT & FURNISH ALL ACCESSORIES CHAIRS, SPACER BARS & SUPPORTS NECESSARY TO SECURE THE REINFORCEMENT PRIOR TO POURING CONCRETE.
 - CLEAR COVER TO REINFORCING SHALL CONFORM TO ACI-318 FOR CLASS "B" TENSION LAP SPICES, UNLESS NOTED OTHERWISE.
 - LAP SPICES SHALL CONFORM WITH THE REQUIREMENTS OF ACI-318 UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 - HOOKS & BENDS IN REINFORCING BARS SHALL CONFORM TO ACI-318 UNLESS SHOWN OTHERWISE ON THE DRAWINGS.
 - UNLESS SHOWN OTHERWISE, DOWELS INTO FOUNDATION ELEMENTS SHALL HAVE A STANDARD 90 DEGREE HOOK & SHALL BE THE SAME SIZE AND QUANTITY OF PIERS ABOVE THE FOUNDATION.
 - SHUT SHOP DRAWINGS FOR REINFORCING STEEL & CONCRETE MIX DESIGNS TO THE ARCHITECT FOR REVIEW BEFORE CONSTRUCTION.

PROJECT ENGINEER/ARCHITECT P. LADOLCE	PROJECT MANAGER R. BARKSTROM	DATE	BY
6	5	4	2
1	0		
DRAWN BY P. LADOLCE		FIRST ISSUE DATE 8/1/11	REVISIONS
SCALE AS NOTED			
STANTEC CONSULTING SERVICES INC. 61 Commercial Street Rochester, N.Y. 14614 Tel: (585) 475-1440 Fax: (585) 272-1814 www.stantec.com			
50 Chestnut Street Rochester, N.Y. 14604 Tel: (585) 262-9914 Fax: (585) 262-4457 www.barkstromia.com			
PROJECT UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT CITY OF ROCHESTER, NEW YORK			
TITLE OF DRAWING Decorative Fence and Columns Scio Street Entrance			
PROJECT NO. 192500267			
DRAWING NO. A-1			
SHEET 29 OF 38			

Plotting Parameters
 Plotted By: jwyant
 Design File: U:\192500267\Structures\Drawings\Plan Set\Pre-P&E\ST-1.dgn
 Plotted: 7/28/2011
 Time: 1:41:42 PM



INDEX OF DRAWINGS

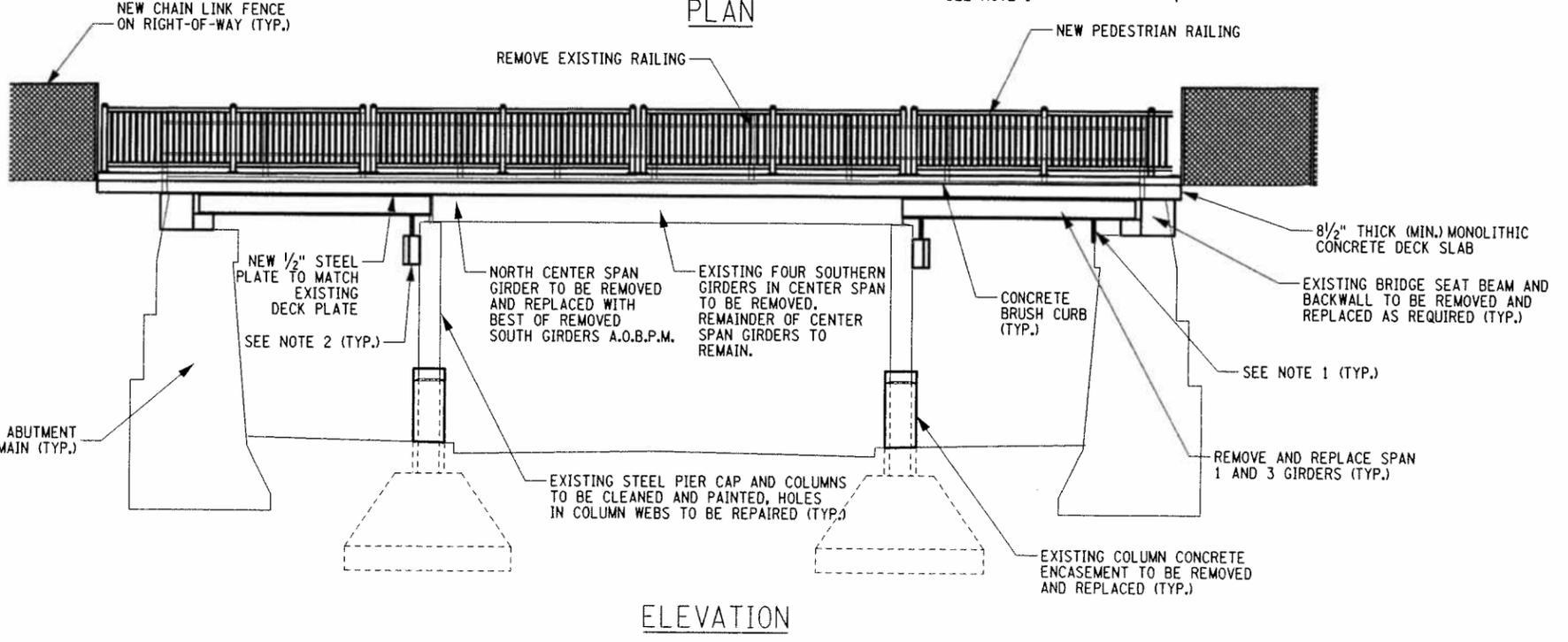
ST-1	PLAN AND ELEVATION
ST-2	TRANSVERSE SECTION
ST-3	TRAIL PROFILE AT BRIDGE AND NOTES
ST-4	BEGIN ABUTMENT
ST-5	PIER DETAILS
ST-6	FRAMING PLAN AND GIRDER ELEVATION
ST-7	DECK PLAN
ST-8	BEARING DETAILS
ST-9	RAILING DETAILS

NOTES

- FURNISH AND INSTALL 2" NPS GALVANIZED STEEL CONDUIT FROM POWER PANEL BOX LOCATED ON ADJACENT BRIDGE BIN 7706871, EAST PIER, NORTH COLUMN. CONDUIT SHALL NOT BE INSTALLED BELOW BOTTOM OF GIRDER BOTTOM FLANGE. ITEM 670.2003.
- LOCATION OF LIGHT FIXTURE AND SUPPORTING STEEL A.O.B.P.M. COST OF SUPPORTING PLATE, ANGLE, AND BOLTS TO BE INCLUDED IN ITEM 564.0501.

KEY:

- CHAIN LINK FENCE
- TREE
- SIGN
- OVERHEAD UTILITY, ELECTRIC
- UNDERGROUND UTILITY, GAS
- UNDERGROUND UTILITY, TELEPHONE
- UNDERGROUND UTILITY, SANITARY SEWER
- UNDERGROUND UTILITY, WATER
- 2" NPS STEEL CONDUIT FOR LIGHTS



ELEVATION

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 T. BRADLEY
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. WYANT
 SCALE
 1"=5'
 FIRST ISSUE DATE
 8-1-2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

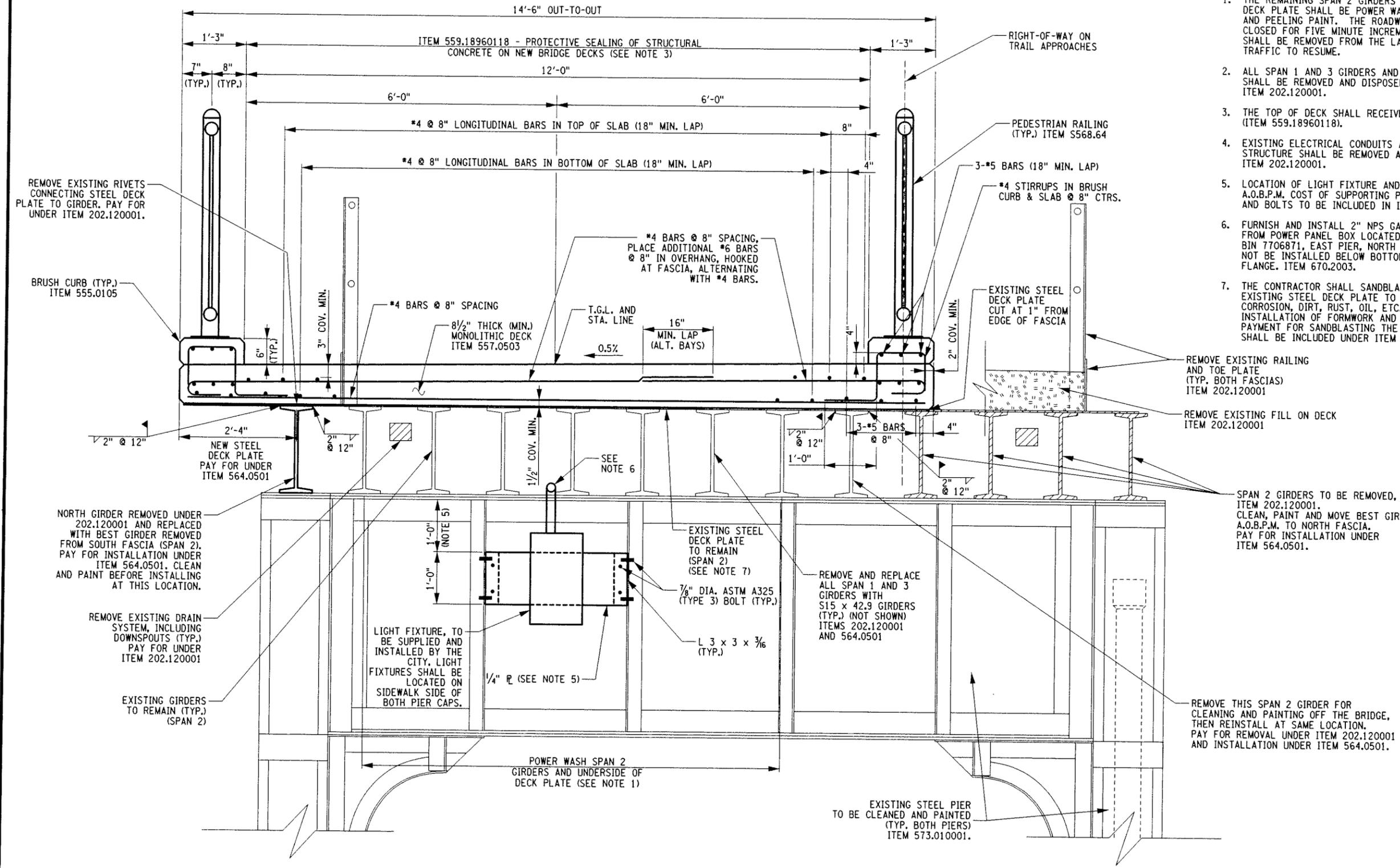


PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 PLAN AND ELEVATION

PROJECT NO
 192500267
 DRAWING NO
 ST-1
 SHEET 30 OF 38

COPYRIGHT © 2011 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

Project Parameters
 Plotted By: jwyant
 Design File: U:\192500267\Structures\Drawings\Plan_Sect\Pre_P&S\ST-2.dgn
 Plotted: 7/28/2011
 Time: 1:41:44 PM



TRANSVERSE SECTION - SPAN 2
 PIER 1 - LOOKING EAST

- NOTES**
1. THE REMAINING SPAN 2 GIRDERS AND BOTTOM OF STEEL DECK PLATE SHALL BE POWER WASHED TO REMOVE LOOSE AND PEELING PAINT. THE ROADWAY BELOW MAY BE CLOSED FOR FIVE MINUTE INCREMENTS. PAINT DEBRIS SHALL BE REMOVED FROM THE LANES BEFORE ALLOWING TRAFFIC TO RESUME.
 2. ALL SPAN 1 AND 3 GIRDERS AND STEEL DECK PLATES SHALL BE REMOVED AND DISPOSED OF UNDER ITEM 202.120001.
 3. THE TOP OF DECK SHALL RECEIVE PROTECTIVE SEALING (ITEM 559.18960118).
 4. EXISTING ELECTRICAL CONDUITS ATTACHED TO THE SUPERSTRUCTURE SHALL BE REMOVED AND DISPOSED OF UNDER ITEM 202.120001.
 5. LOCATION OF LIGHT FIXTURE AND SUPPORTING STEEL A.O.B.P.M. COST OF SUPPORTING PLATE, ANGLE AND BOLTS TO BE INCLUDED IN ITEM 564.0501.
 6. FURNISH AND INSTALL 2" NPS GALVANIZED STEEL CONDUIT FROM POWER PANEL BOX LOCATED ON ADJACENT BRIDGE BIN 7706871, EAST PIER, NORTH COLUMN. CONDUIT SHALL NOT BE INSTALLED BELOW BOTTOM OF GIRDER BOTTOM FLANGE. ITEM 670.2003.
 7. THE CONTRACTOR SHALL SANDBLAST THE TOP OF THE EXISTING STEEL DECK PLATE TO REMOVE ALL CORROSION, DIRT, RUST, OIL, ETC., PRIOR TO INSTALLATION OF FORMWORK AND REINFORCING BARS. PAYMENT FOR SANDBLASTING THE STEEL DECK PLATE SHALL BE INCLUDED UNDER ITEM 202.120001.

PROJECT NO.	192500267
DRAWING NO.	ST-2
SHEET 31 OF 38	

PROJECT ENGINEER/ARCHITECT	T. BRADLEY
PROJECT MANAGER	J. HOFMANN
DRAWN BY	S. WYANT
SCALE	1" = 1'-0"
FIRST ISSUE DATE	8-1-2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (565) 475-1446
 Fax: (565) 272-1814
 www.stantec.com

UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK

TITLE OF DRAWING
 TRANSVERSE SECTION

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

GENERAL NOTES

DESIGN SPECIFICATIONS: NYSDOT LRFD BRIDGE DESIGN SPECIFICATIONS WITH ALL PROVISIONS IN EFFECT AS OF JULY 2011 (FOR DESIGN PURPOSES, COMPRESSIVE STRENGTH OF CONCRETE FOR SUBSTRUCTURES AND DECK SLABS AT 28 DAYS: $f_c = 3000$ psi.)

CONSTRUCTION AND MATERIALS SPECIFICATIONS: STANDARD SPECIFICATIONS, CONSTRUCTION AND MATERIALS, NEW YORK STATE DEPARTMENT OF TRANSPORTATION, OFFICE OF ENGINEERING, DATED MAY 1, 2008, WITH CURRENT ADDITIONS AND MODIFICATIONS.

DETAILS ON THE DRAWINGS LABELED AS "NOT TO SCALE" ARE INTENTIONALLY DRAWN NOT TO SCALE FOR VISUAL CLARITY. ALL OTHER DETAILS FOR WHICH NO SCALE IS SHOWN ARE DRAWN PROPORTIONAL AND ARE FULLY DIMENSIONED.

ALL SHOP DRAWINGS SUBMITTED FOR THIS PROJECT SHALL BE IN U.S. CUSTOMARY UNITS.

THE COST OF WATER USED FOR COMPACTION OF SELECT FILL ITEMS SHALL BE INCLUDED IN THE UNIT PRICE BID FOR ITEM 203.21 - SELECT STRUCTURAL FILL.

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE NORTH DECK OVERHANG AND SHALLOW FASCIA GIRDER. THE CONTRACTOR SHALL PROVIDE ADEQUATE TEMPORARY SUPPORT AND BRACING TO PREVENT THE FASCIA GIRDER FROM TWISTING OR EXCESSIVELY DEFLECTING UNDER THE LOADS OF THE CONCRETE DEAD LOAD AND THE CONSTRUCTION LOADS. ALL DESIGN EFFORT REQUIRED BY THE CONTRACTOR'S ENGINEER TO ASSURE THAT THE CONSTRUCTION LOADS DO NOT ADVERSELY AFFECT THE FASCIA GIRDER ARE AT THE CONTRACTOR'S EXPENSE.

THE COST OF ALL JOINT MATERIAL SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS OF THE CONTRACT, UNLESS OTHERWISE SPECIFIED ON THE PLANS.

DIMENSIONS FOR THICKNESSES OF STEEL ROLLED SHAPES AND STRUCTURAL TUBING AND PIPE ARE SHOWN ACCORDING TO THE AISC MANUAL.

SUBSTRUCTURE NOTES

ALL PLACEMENTS OF SELECT STRUCTURAL FILL, ITEM 203.21, SHALL BE COMPACTED TO 95 PERCENT OF STANDARD PROCTOR MAXIMUM DENSITY.

SUPERSTRUCTURE NOTES

ALL STRUCTURAL STEEL SHALL CONFORM TO ASTM A709 GRADE 50W.

NEW GIRDERS SHALL BE BLAST CLEANED IN THE FABRICATION SHOP IN ACCORDANCE WITH SSPC-SP6 (COMMERCIAL BLAST CLEANING). HEAVY COATINGS OF OIL OR GREASE SHALL BE REMOVED BEFORE BLASTING IN ACCORDANCE WITH SSPC-SP1 (SOLVENT CLEANING).

THE COST OF CLEANING STEEL IN THE FABRICATION SHOP SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE VARIOUS ITEMS IN THE CONTRACT.

THE CONTRACTOR SHALL SANDBLAST THE TOP OF THE EXISTING STEEL DECK PLATE TO REMOVE ALL CORROSION, DIRT, RUST, OIL, ETC., PRIOR TO INSTALLATION OF FORMWORK AND REINFORCING BARS. PAYMENT FOR SANDBLASTING THE STEEL DECK PLATE SHALL BE INCLUDED UNDER ITEM 202.120001.

THE STEEL GIRDERS AND DECK PLATE FOR THIS BRIDGE SHALL BE PARTIALLY PAINTED. FINISH COAT COLOR SHALL BE BLACK SEMI-GLOSS. THE COLOR SHALL CONFORM TO FEDERAL COLOR STANDARD NO. 595 FS 27038. VIEWING SHALL BE DONE UNDER NORTH STANDARD DAYLIGHT. THERE ARE 2,430 SQUARE FEET OF PAINTED STRUCTURAL STEEL ON THIS BRIDGE.

THE FOLLOWING PORTIONS OF THE STEEL SHALL BE PAINTED:

- SPAN 1 AND 3 NEW GIRDERS SHALL BE COMPLETELY PAINTED IN THE SHOP.
- SPAN 2 FASCIA GIRDERS (G10 AND G18) SHALL BE COMPLETELY CLEANED AND PAINTED OFF THE BRIDGE AND REINSTALLED.
- BOTTOM OF SPAN 2 STEEL DECK PLATE SHALL BE PAINTED FROM THE LEFT (NORTH) EDGE OF DECK TO THE LEFT FASCIA GIRDER (G10) AND FROM THE RIGHT (SOUTH) EDGE OF DECK TO THE RIGHT FASCIA GIRDER (G18) ONLY.
- BOTTOM OF SPAN 1 AND 3 STEEL DECK PLATES SHALL BE PAINTED THE FULL DECK WIDTH IN THE SHOP AND TOUCHUP PAINTED AFTER WELDING TO THE GIRDER TOP FLANGES.

FOR THE VARIOUS LUMP SUM STRUCTURAL STEEL ITEMS IN THE CONTRACT, THE "TOTAL WEIGHT FOR PROGRESS PAYMENT" IS AS FOLLOWS: ITEM 564.0501, TOTAL WEIGHT FOR PROGRESS PAYMENT - 28,400 POUNDS.

THESE WEIGHTS SHALL BE USED IN DETERMINING PARTIAL PAYMENTS AND PROGRESS. UNDER NO CIRCUMSTANCES SHALL THE "TOTAL WEIGHT FOR PROGRESS PAYMENT" BE USED FOR FINAL PAYMENT PURPOSES. THE CONTRACTOR IS ADVISED NOT TO USE THE "TOTAL WEIGHT FOR PROGRESS PAYMENT" AS A BIDDING TOOL. DISCREPANCIES WHICH MAY OCCUR BETWEEN THE TOTAL WEIGHT SHIPPED AND "TOTAL WEIGHT FOR PROGRESS PAYMENT" SHALL NOT BE A BASIS FOR ADDITIONAL COMPENSATION.

THE CONTRACTOR SHALL PROVIDE FOR THE STABILITY OF STRUCTURAL STEEL DURING ALL PHASES OF ERECTION AND CONSTRUCTION, AS PROVIDED IN PARAGRAPH 204.2 OF THE NEW YORK STATE STEEL CONSTRUCTION MANUAL (SCM).

SHOP DRAWING SUBMITTALS ARE REQUIRED FOR THE FOLLOWING:
ITEM S568.64 - PEDESTRIAN RAILING
ITEM 564.0501 - STRUCTURAL STEEL (TYPE 1)

TOP SURFACES OF NEW BRIDGE DECKS AND SHALL BE SEALED ACCORDING TO ITEM 559.1896 18-PROTECTIVE SEALING OF STRUCTURAL CONCRETE ON NEW BRIDGE DECKS AND BRIDGE DECK OVERLAYS.

REMOVAL NOTES

EXISTING SUBSTRUCTURE SHALL BE REMOVED WITHIN THE LIMITS SHOWN ON THE PLANS UNDER ITEM 580.01.

EXISTING SUPERSTRUCTURE SHALL BE REMOVED AS SHOWN UNDER ITEM 202.120001.

PARTIAL RECORD PLANS FOR THIS STRUCTURE ARE AVAILABLE AT THE CITY OF ROCHESTER BUREAU OF ARCHITECTURE AND ENGINEERING.

LIMITS AND METHODS FOR REMOVAL OF PAINT AT LOCATIONS OF FASTENER REMOVAL OR FLAME CUTTING SHALL BE AS DESCRIBED IN SUBSECTIONS 202-3.05 AND 574 OF THE STANDARD SPECIFICATIONS. THE COST OF PAINT REMOVAL SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM). PAINT WASTE NOT COLLECTED BY VACUUM METHODS SHALL BE COLLECTED USING THE ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEM(S). WASTE SHALL BE DISPOSED OF USING THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM.

LOOSE AND/OR PEELING PAINT ON STEEL SURFACES MAY BECOME DISLODGED DURING REMOVAL OPERATIONS OR DURING TRANSPORTATION FROM THE SITE UNLESS APPROPRIATE MEASURES ARE TAKEN. THE CONTRACTOR SHALL FORMULATE AND SUBMIT A METHOD OF REMEDIATING THE CONDITION FOR APPROVAL BY THE PROJECT MANAGER. WORKER LEAD PROTECTION IN ACCORDANCE WITH OSHA 1926.62 MUST BE SATISFIED. ALTERNATIVES COULD INCLUDE TRANSPORTING AFFECTED MEMBERS IN CLOSED TRUCKS, WRAPPING AFFECTED MEMBERS PRIOR TO REMOVAL, ENCAPSULATING THE LOOSE PAINT OR REMOVAL OF LOOSE PAINT PRIOR TO DISMANTLING OPERATIONS. THE COST OF REMEDIATING THIS CONDITION SHALL BE INCLUDED IN THE LUMP SUM PRICE(S) BID FOR THE SUPERSTRUCTURE REMOVAL ITEM(S) (OR THE UNIT PRICE BID FOR THE SUBSTRUCTURE REMOVAL ITEM.) THE USE OF ENVIRONMENTAL GROUND AND/OR WATERWAY PROTECTION ITEMS WILL BE REQUIRED. DEPENDING ON THE ALTERNATIVE CHOSEN, THE TREATMENT AND DISPOSAL OF PAINT REMOVAL WASTE ITEM MAY BE REQUIRED. BECAUSE OF THE ABOVE-MENTIONED CONDITION, THE CONTRACTOR SHOULD EXAMINE THE CONDITION OF THE STRUCTURE'S PAINT PRIOR TO SUBMITTING A BID.

REFER TO SUBSECTION 107-05 OF THE STANDARD SPECIFICATIONS FOR SAFETY AND HEALTH REQUIREMENTS.

RECONSTRUCTION NOTES

THE CONTRACTOR'S ATTENTION IS DIRECTED TO THE FACT THAT, DUE TO THE NATURE OF RECONSTRUCTION PROJECTS, THE EXACT EXTENT OF RECONSTRUCTION WORK CANNOT ALWAYS BE ACCURATELY DETERMINED PRIOR TO THE COMMENCEMENT OF WORK. THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER INFORMATION AVAILABLE AT THE TIME. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES. THE CONTRACTOR SHALL PERFORM THE WORK IN ACCORDANCE WITH FIELD CONDITIONS.

THE CONTRACTOR SHALL VERIFY DIMENSIONS NECESSARY FOR THE PROPER FIT OF STEEL PIECES PRIOR TO THE FABRICATION OF THE STEEL. THE COST OF FIELD VERIFYING DIMENSIONS SHALL BE INCLUDED IN THE PRICE BID FOR STRUCTURAL STEEL ITEMS.

THE CONTRACTOR SHALL PERFORM ALL WORK WITH CARE SO THAT ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE TO REMAIN THE PROPERTY OF THE CITY, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE OR WHICH ARE TO REMAIN THE PROPERTY OF THE CITY, THE DAMAGED MATERIALS SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE PROJECT MANAGER AT THE EXPENSE OF THE CONTRACTOR.

WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THAT AREA SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THOSE ITEMS.

ALL MATERIAL FALLING ON THE AREA BELOW AND ADJACENT TO THE BRIDGE SHALL BE REMOVED AND DISPOSED OF BY THE CONTRACTOR AT NO COST TO THE CITY.

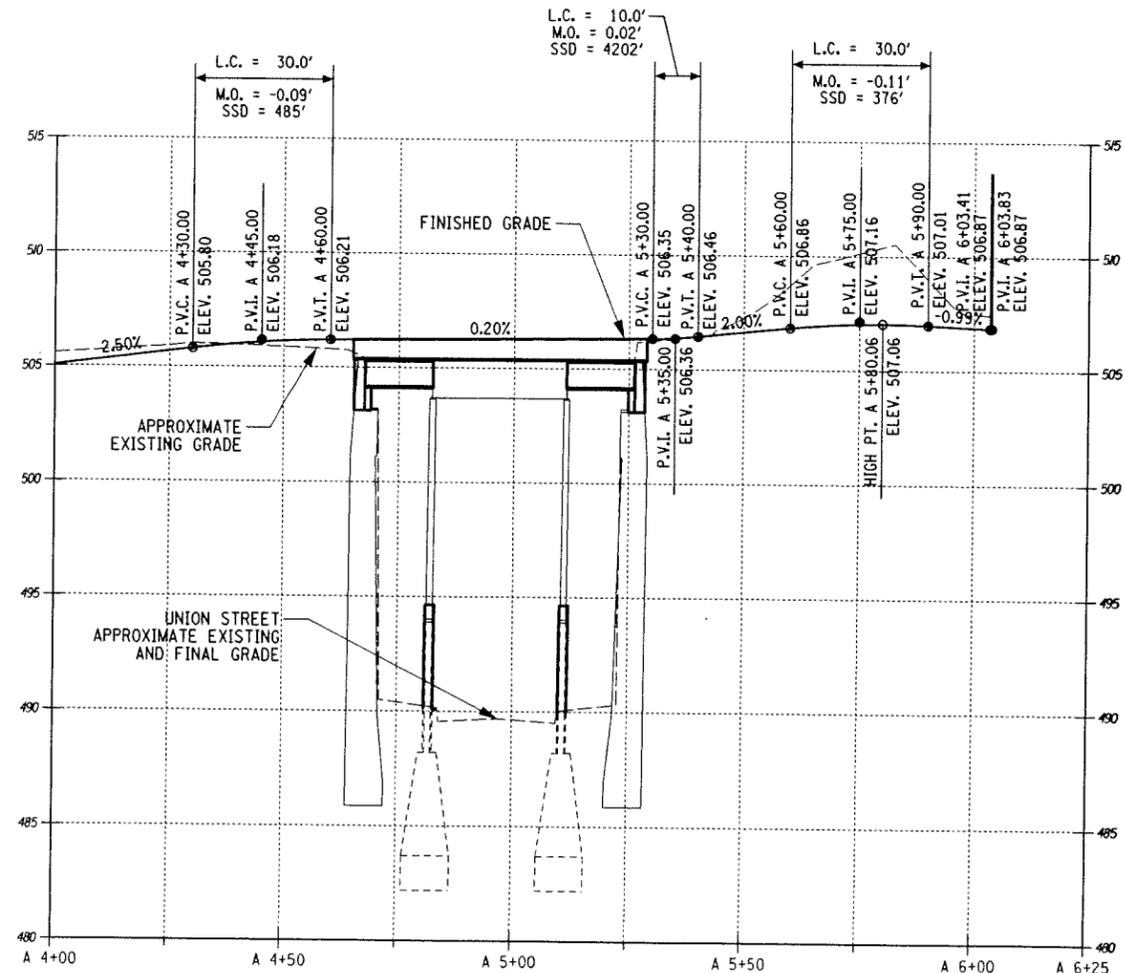
THE COST OF FURNISHING, INSTALLING, MAINTAINING, REMOVING AND DISPOSING OF ALL PLATFORMS, NETS, SCREENS OR OTHER PROTECTIVE DEVICES SHALL BE INCLUDED IN THE UNIT PRICES BID FOR THE APPROPRIATE ITEMS OF THE CONTRACT.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE FOLLOWING DIMENSIONS IN THE FIELD PRIOR TO THE FABRICATION OF NEW SUPERSTRUCTURE COMPONENTS:

- EXISTING SPAN LENGTHS (CHECK AT MULTIPLE APPROPRIATE POINTS IF SUBSTRUCTURES ARE NONPARALLEL).
- EXISTING LENGTHS OF INDIVIDUAL GIRDERS.

IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO CONFIRM THE LENGTHS OF EXISTING STRUCTURAL STEEL COMPONENTS TO BE REPLACED PRIOR TO THE FABRICATION OF THE REPLACEMENT COMPONENTS.

IF THE STRUCTURE HAS A BRIDGE IDENTIFICATION NUMBER (B.I.N.) PLATE ATTACHED, IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROTECT IT DURING CONSTRUCTION OR REMOVE AND REMOUNT IT AFTER CONSTRUCTION IS COMPLETED.



CENTERLINE PROFILE OF TRAIL A

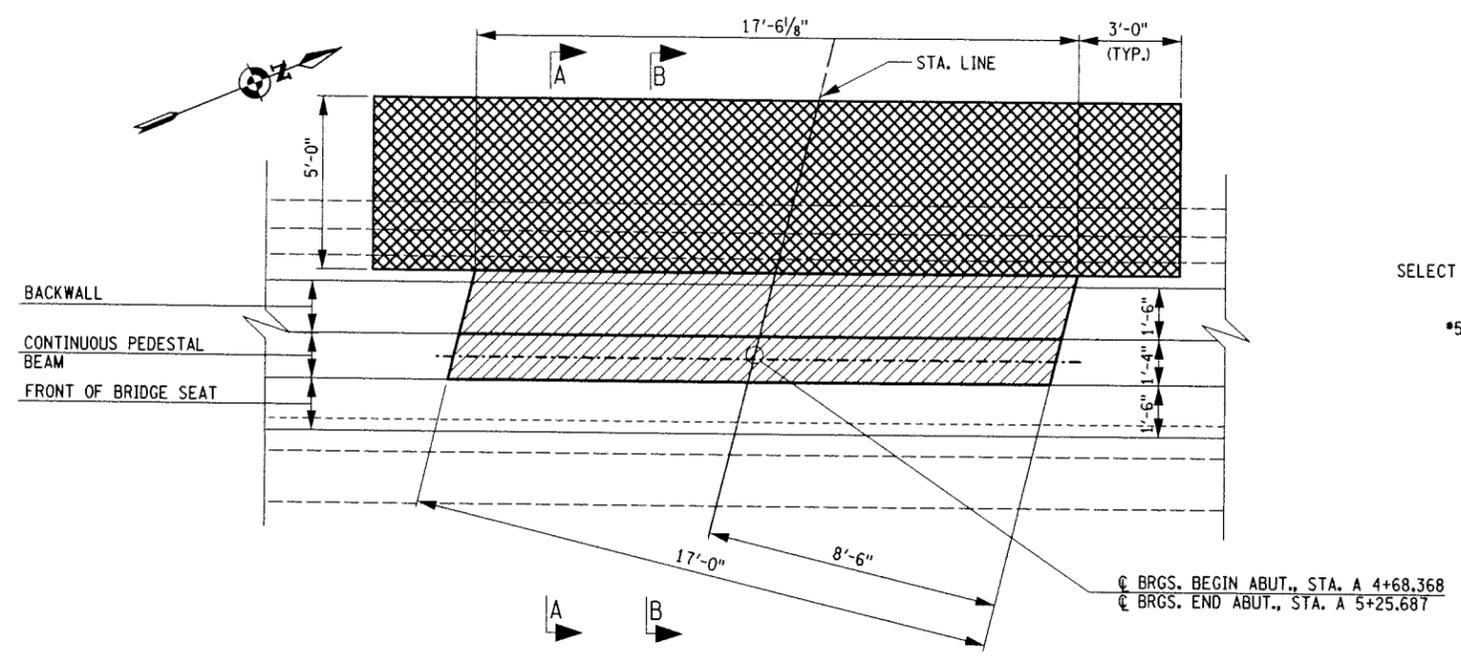
HORIZONTAL: 1" = 20'
VERTICAL: 1" = 4'

COPYRIGHT © 2011 STANTEC
DRAWING ALTERATION
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

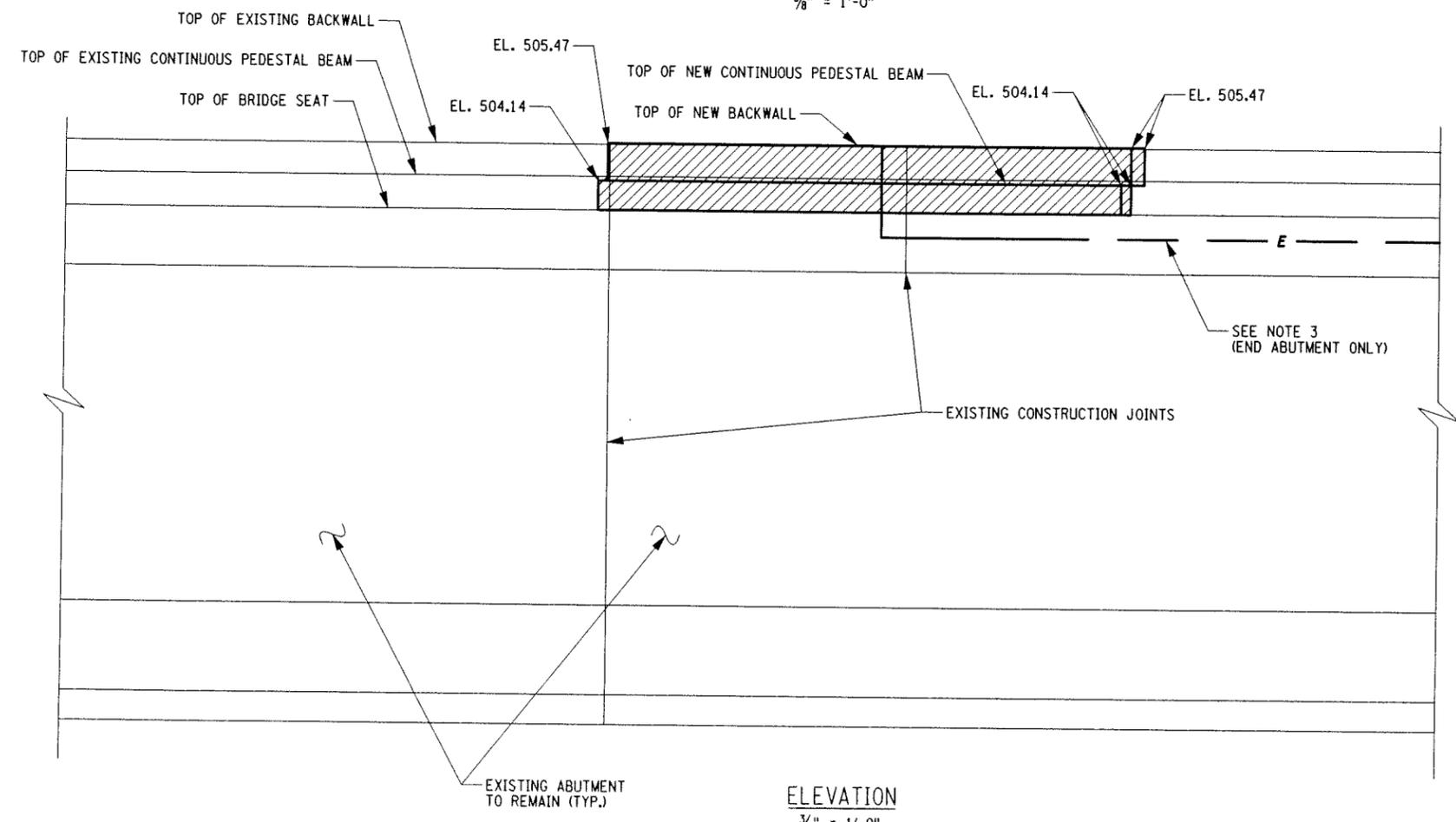
PROJECT ENGINEER/ARCHITECT T. BRADLEY	PROJECT MANAGER J. HOFMANN	SCALE AS SHOWN	FIRST ISSUE DATE 6-1-2011
PROJECT NO. 192500267	DRAWING NO. ST-3	SHEET 32 OF 38	

Workspaces
 Drawing
 Nodes
 Nodes

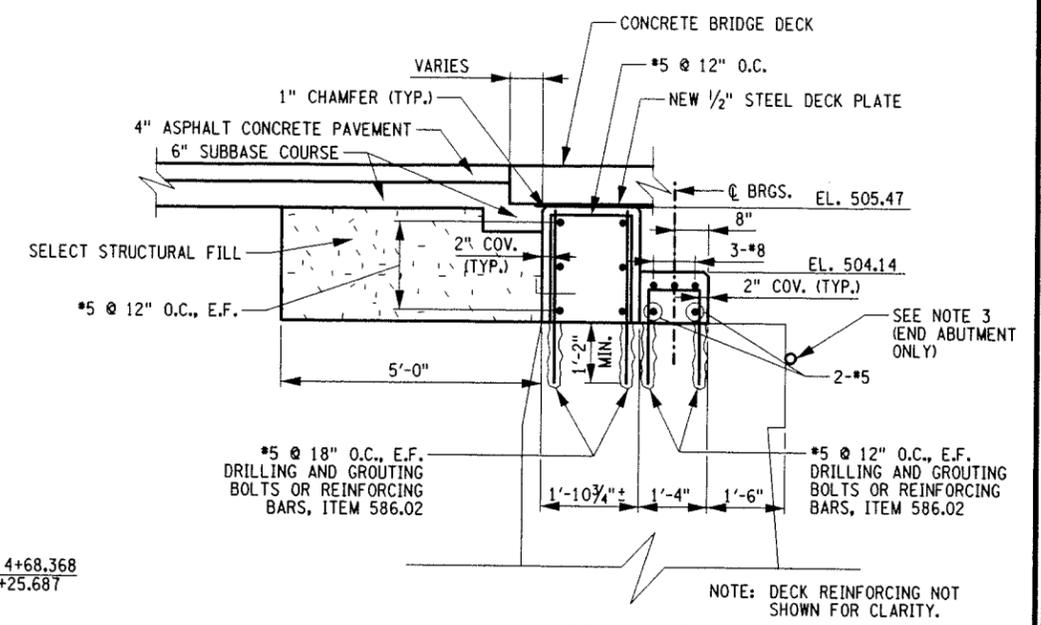
Project Parameters
 Plotted By: S. Wyant
 Design File: U:\192500267\Structures\Design\Drawings\Plan_Sol\PA-P0861ST.4.dgn
 Plotted: 7/28/2011
 Time: 1:41:47 PM



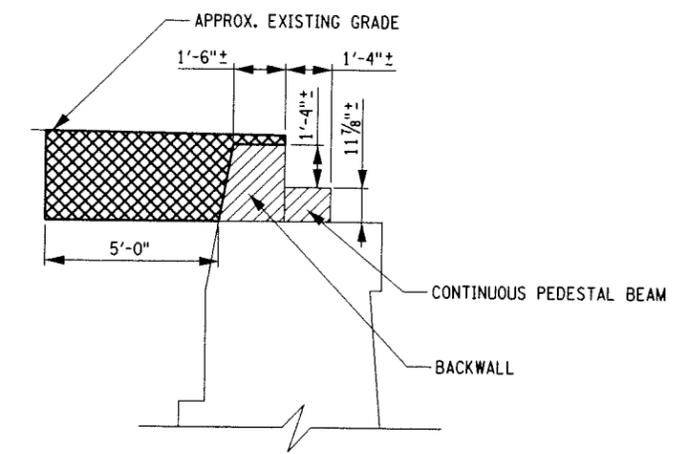
PLAN
 3/8" = 1'-0"



ELEVATION
 3/8" = 1'-0"



SECTION B-B
 NEW SECTION
 N.T.S.



SECTION A-A
 REMOVAL AREAS
 3/8" = 1'-0"

- KEY:**
- REMOVAL OF STRUCTURAL CONCRETE, ITEM 580.01
 - STRUCTURE EXCAVATION, ITEM 206.01
 - SELECT STRUCTURAL FILL, ITEM 203.21
 - 2" NPS STEEL CONDUIT FOR LIGHTS, ITEM 670.2002

- NOTES:**
1. END ABUTMENT IS SIMILAR, INCLUDING ELEVATIONS AND DIMENSIONS.
 2. NEW PEDESTAL BEAM AND BACKWALL WILL BE PAID FOR UNDER ITEMS 555.0105 AND 556.0201.
 3. FURNISH AND INSTALL 2" NPS GALVANIZED STEEL CONDUIT FROM POWER PANEL BOX LOCATED ON ADJACENT BRIDGE BIN 7706871, EAST PIER, NORTH COLUMN. CONDUIT SHALL NOT BE INSTALLED BELOW BOTTOM OF GIRDER BOTTOM FLANGE. ITEM 670.2003.

COPYRIGHT © 2011
 STANTEC
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFTER HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 T. BRADLEY
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. WYANT
 SCALE
 AS SHOWN
 FIRST ISSUE DATE
 8-1-2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

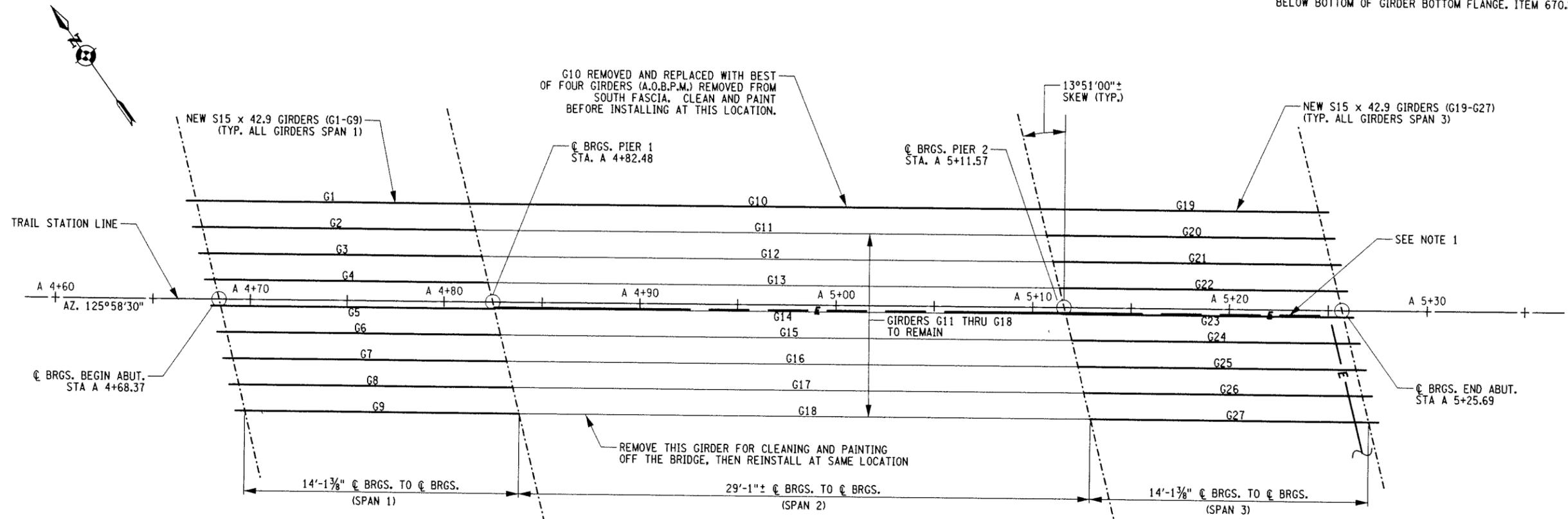
PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 BEGIN ABUTMENT

PROJECT NO
 192500267
 DRAWING NO
 ST-4
 SHEET 33 OF 38

Richard Braddock
 Project Engineer
 Printed By: wjg
 Design File: U:\192500267\Structures\Design\Drawing\Plan_Sml\Fire-P&E\ST-6.dgn
 Plotted: 7/28/2011
 Time: 1:41:50 PM

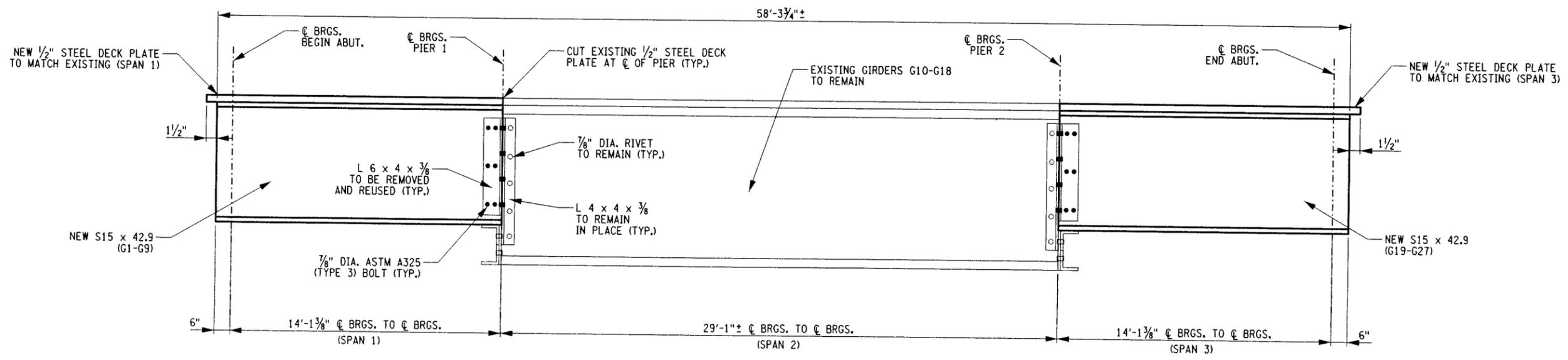
NOTES

- FURNISH AND INSTALL 2" NPS GALVANIZED STEEL CONDUIT FROM POWER PANEL BOX LOCATED ON ADJACENT BRIDGE BIN 7706871, EAST PIER, NORTH COLUMN. CONDUIT SHALL NOT BE INSTALLED BELOW BOTTOM OF GIRDER BOTTOM FLANGE. ITEM 670.2003.



FRAMING PLAN
1" = 3'-0"

NOTE: FOUR SOUTHERN GIRDERS (NOT SHOWN) TO BE REMOVED AND NOT REPLACED, ENTIRE BRIDGE LENGTH



GIRDER ELEVATION
N.T.S.

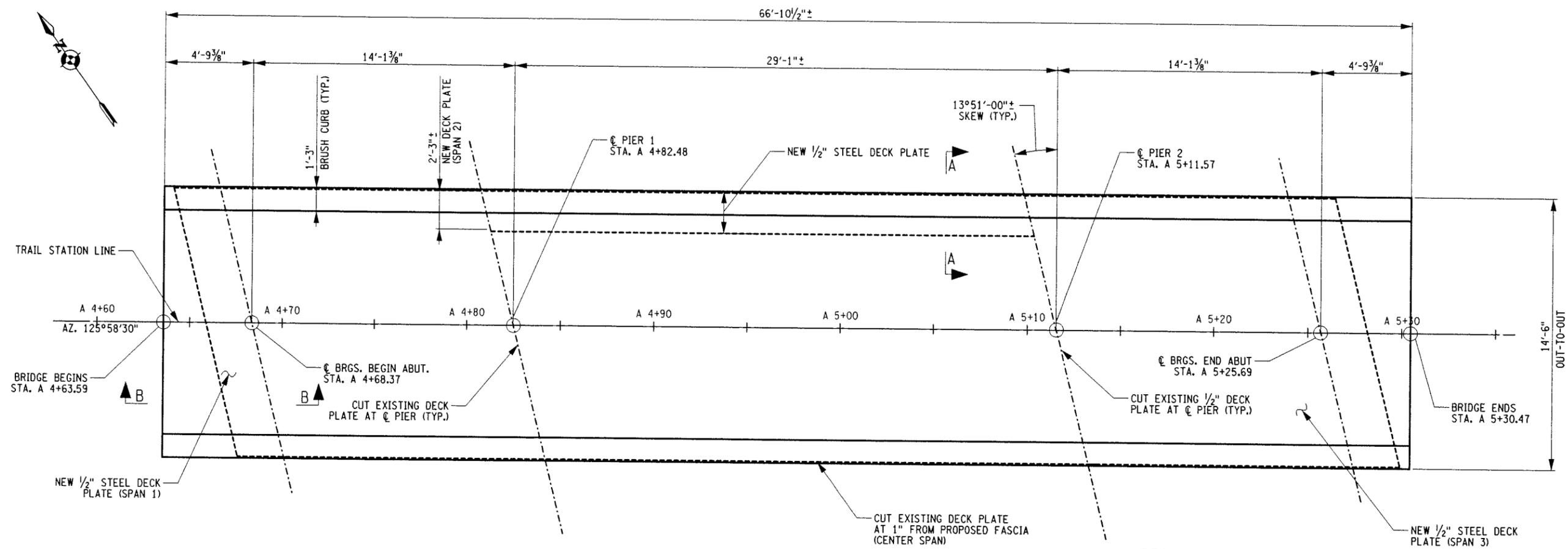
COPYRIGHT © 2011
 STANTEC
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

PROJECT	UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT CITY OF ROCHESTER, NEW YORK																								
TITLE OF DRAWING	FRAMING PLAN AND GIRDER ELEVATION																								
PROJECT NO	192500267																								
DRAWING NO	ST-6																								
SHEET	35 OF 38																								
PROJECT ENGINEER/ARCHITECT	T. BRADLEY																								
PROJECT MANAGER	J. HOFMANN																								
DRAWN BY	S. WYANT																								
CHECKED BY	AS SHOWN																								
FIRST ISSUE DATE	8-1-2011																								
REVISIONS	<table border="1"> <tr><th>NO.</th><th>DATE</th><th>BY</th></tr> <tr><td>6</td><td></td><td></td></tr> <tr><td>5</td><td></td><td></td></tr> <tr><td>4</td><td></td><td></td></tr> <tr><td>3</td><td></td><td></td></tr> <tr><td>2</td><td></td><td></td></tr> <tr><td>1</td><td></td><td></td></tr> <tr><td>0</td><td></td><td></td></tr> </table>	NO.	DATE	BY	6			5			4			3			2			1			0		
NO.	DATE	BY																							
6																									
5																									
4																									
3																									
2																									
1																									
0																									

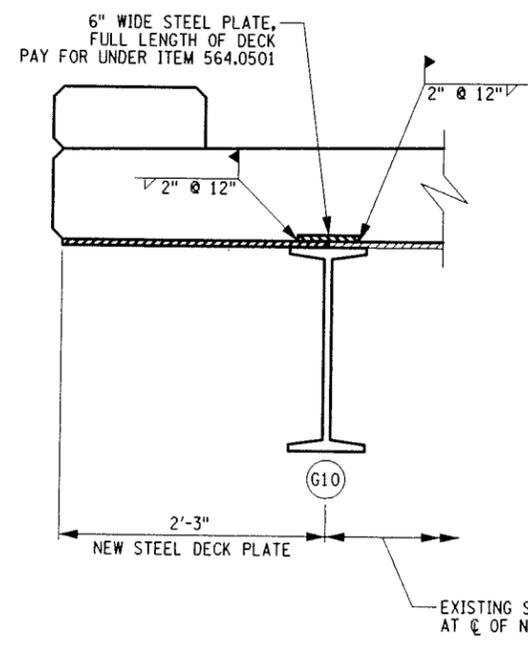
STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, N.Y. 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

Workshop
 Unsupervised
 No Seal
 No Stamp

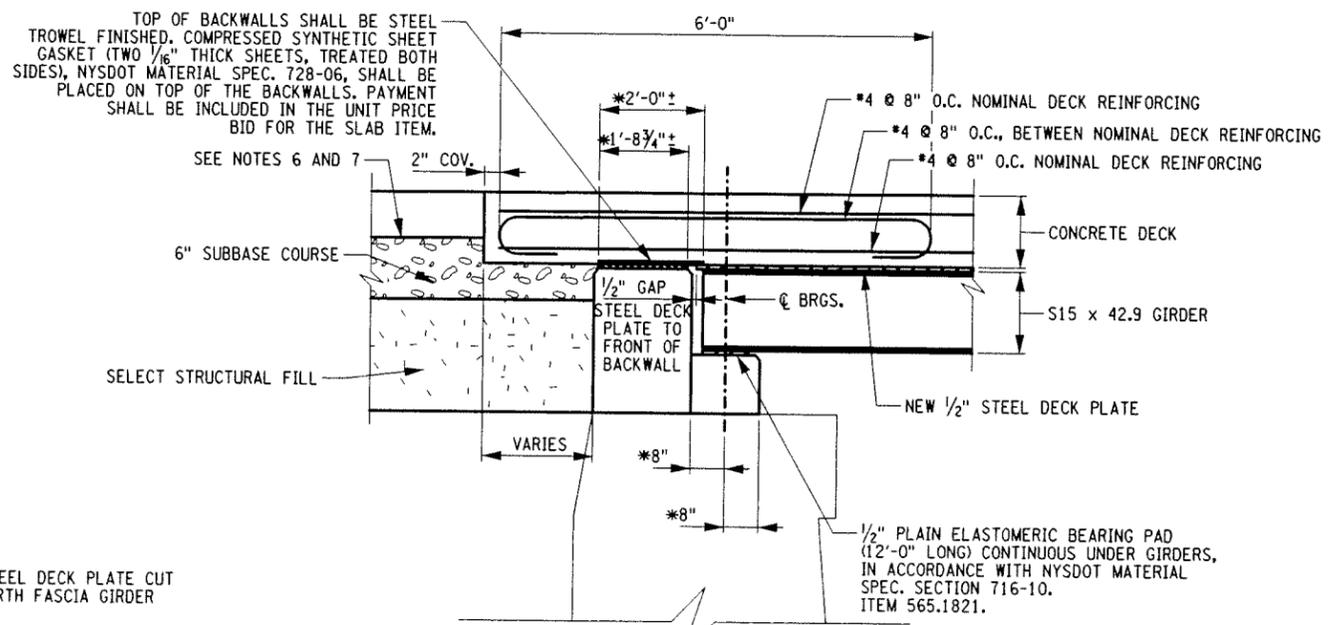
Plotted By: J. Wyatt
 Design File: U:\92500267\Structures\Design\Drawings\Plan_Sketch\PS&E\ST-7.dgn
 Plotted: 7/26/2011
 Time: 1:41:52 PM



DECK PLAN
 1" = 3'-0"



SECTION A-A
 NORTH FASCIA, SPAN 2
 N.T.S.



SECTION B-B
 N.T.S.
 NOTE: TRANSVERSE DECK REINFORCING NOT SHOWN FOR CLARITY.

DECK NOTES

1. CONCRETE PLACEMENT AND FINISHING OPERATIONS SHALL BE PERFORMED AS RAPIDLY AS POSSIBLE. THE PROJECT MANAGER MAY ORDER THE CONTRACTOR TO STOP PLACEMENT OPERATIONS AT ANY TIME IF, IN THE PROJECT MANAGER'S OPINION, CONCRETE PLACED DURING THE PLACEMENT HAS STARTED TO SET, OR IS ABOUT TO SET, AND FURTHER PLACEMENT OF CONCRETE WILL CAUSE DEFLECTION CRACKING.
2. LONGITUDINAL CONSTRUCTION JOINTS WILL NOT BE PERMITTED.
3. FINISHING MACHINE(S) SHALL BE OPERATED AS CLOSE TO THE SKEW ANGLE AS PRACTICABLE FOR SKEW ANGLES BETWEEN 0° AND 50°. WHEN THE SKEW ANGLE IS GREATER THAN 50° THE FINISHING MACHINE(S) SHALL BE OPERATED AT AN ANGLE OF 50°.
4. WET BURLAP CURLING BLANKETS ARE REQUIRED TO BE PLACED ON THE CONCRETE DECK WITHIN 30 MINUTES OF THE CONCRETE BEING DEPOSITED INTO THE FORMS OR 5 MINUTES AFTER FINISHING, WHICHEVER COMES FIRST. THE PLACEMENT OF THE TURF DRAG TEXTURE SHALL NOT INTERFERE WITH THESE REQUIREMENTS.
5. IN THE EVENT THE CONTRACTOR'S DECK PLACEMENT OPERATION IS STOPPED PRIOR TO COMPLETION, WHETHER BY THE CONTRACTOR'S OWN DECISION OR BY ORDER OF THE PROJECT MANAGER, THE CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING A FINISHED DECK GRADE WHICH MATCHES THE PLANNED PROFILE. ANY SUBSEQUENT REVISIONS TO DECK FORMS MADE NECESSARY BY SUCH ACTION SHALL BE AT THE CONTRACTOR'S EXPENSE.
6. EXCAVATION FOR SLAB BEHIND BACKWALL SHALL BE CAREFULLY MADE AFTER COMPACTED ABUTMENT EMBANKMENT IS IN PLACE. THE SLAB SHALL BE FOUNDED ON UNDISTURBED OR RE-COMPACTED MATERIAL. NO LOOSE BACKFILL SHALL BE ALLOWED. THE CONTRACTOR SHALL TAKE ALL NECESSARY PRECAUTIONS TO PROTECT THE SLAB FROM TEMPORARY LOADINGS OR ANY CONDITION WHICH COULD CAUSE MOVEMENT OR UNEVEN SETTLEMENT OF THE SLAB.
7. TO PERMIT UNHINDERED LONGITUDINAL MOVEMENT OF THE SLAB, THE SURFACE OF THE SUBBASE COURSE MUST BE ACCURATELY CONTROLLED TO FOLLOW AND BE PARALLEL TO THE TRAIL GRADE AND CROSS SLOPE. POLYETHYLENE CURING COVERS (WHITE OPAQUE) IN ACCORDANCE WITH NYSDOT MATERIAL SPEC. SUBSECTION 711-04 SHALL BE PLACED ON THE FINISHED SUBBASE COURSE THE FULL WIDTH OF THE SLAB PRIOR TO PLACEMENT OF THE REINFORCEMENT. THE CURING COVERS SHALL BE 0.004 IN. THICK, AND LAPS SHALL BE 2 FT. MINIMUM.

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFTER HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATION.

PROJECT	UNION STREET RR BRIDGE "RAILS TO TRAILS" CONVERSION PROJECT CITY OF ROCHESTER, NEW YORK
PROJECT NO.	192500267
DRAWING NO.	ST-7
SHEET	36 OF 38

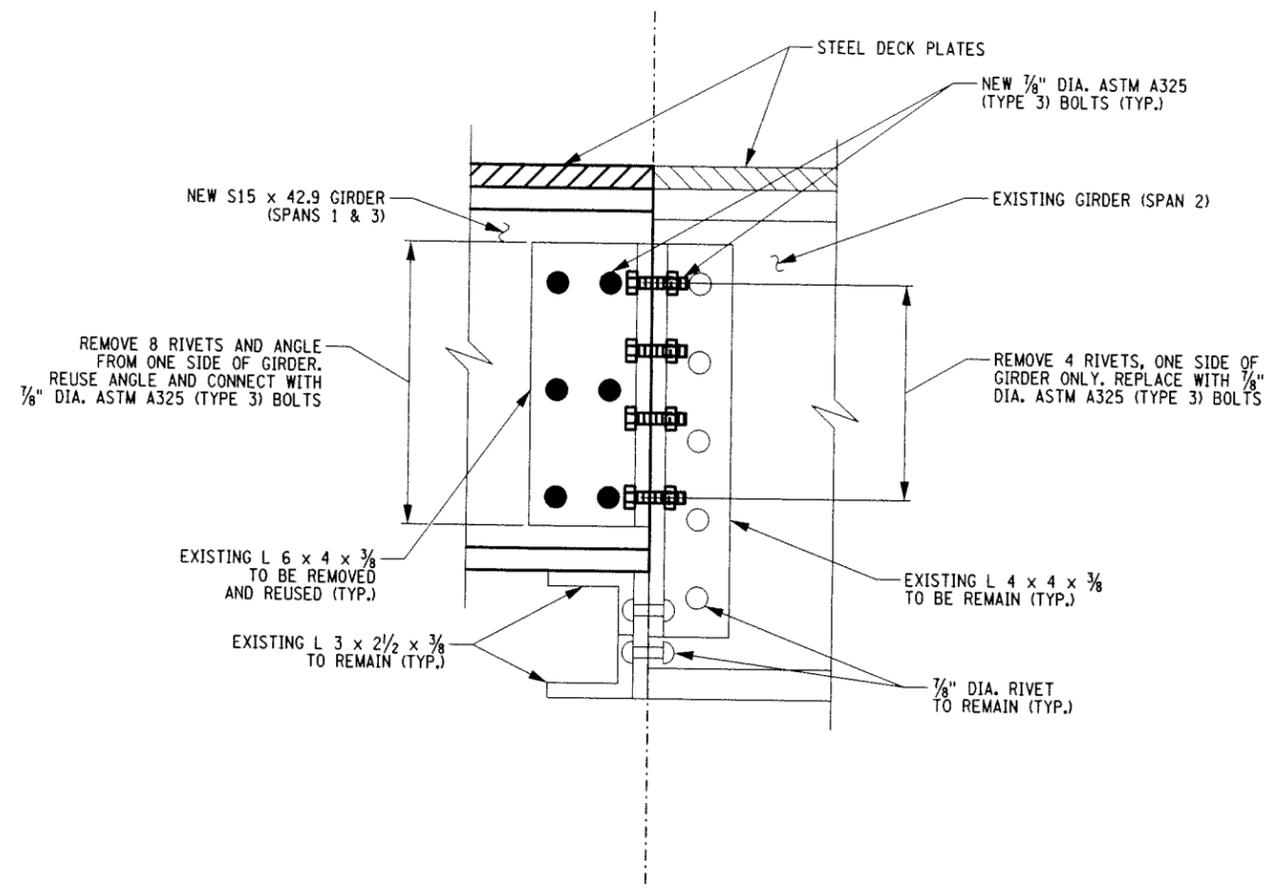
PROJECT ENGINEER/ARCHITECT	T. BRADLEY
PROJECT MANAGER	J. HOFMANN
DRAWN BY	S. WYANT
SCALE	AS SHOWN
FIRST ISSUE DATE	8-1-2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1400
 Fax: (585) 272-1814
 www.stantec.com

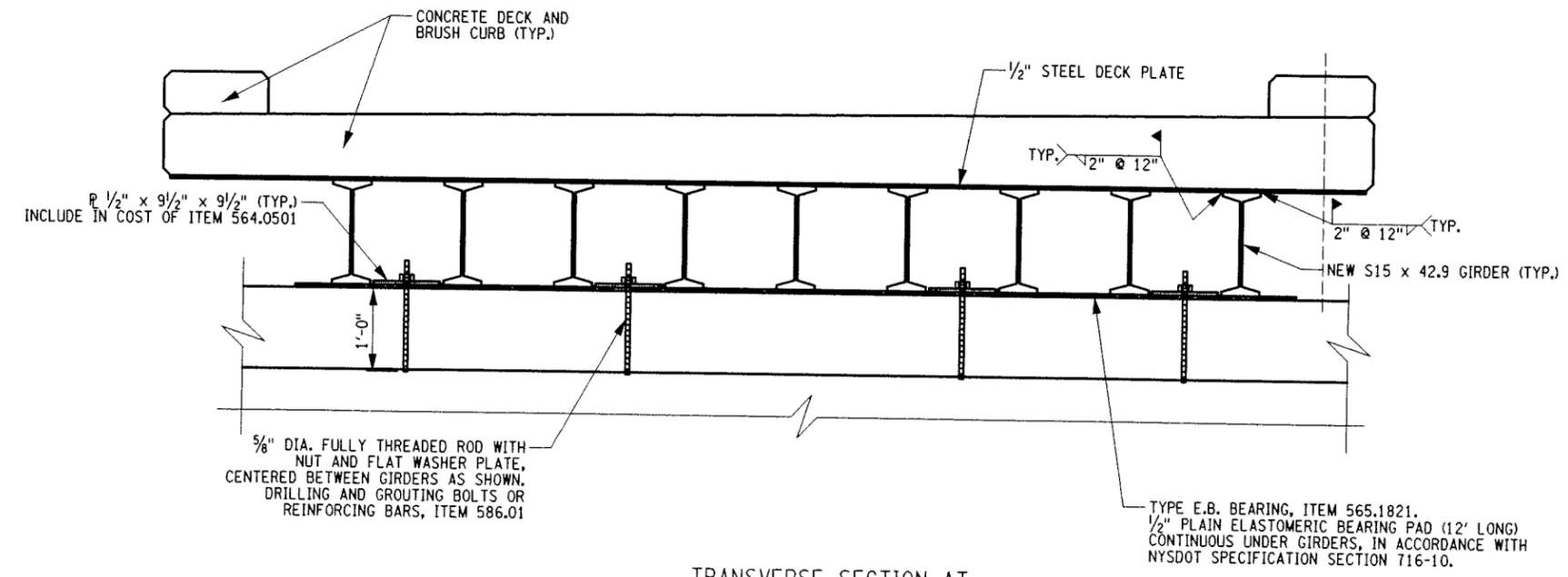
Stantec

Workshop
 Design Services
 Project Workshops
 Node #1008

Plotting Parameters
 Plotted By: ewyart
 Design File: U:\192500267\Structures\Design\Drawings\Plan Set\Plan-564.051-8.dwg
 Plotted: 7/28/2011
 Time: 1:41:53 PM



PIER CONNECTION ELEVATION
 N.T.S.



TRANSVERSE SECTION AT
 BEGIN AND END ABUTMENTS
 N.T.S.

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 T. BRADLEY
 PROJECT MANAGER
 J. HOFMANN
 DRAWN BY
 S. WYANT
 SCALE
 AS SHOWN
 FIRST ISSUE DATE
 8-1-2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 425-1140
 Fax: (585) 272-1814
 www.stantec.com

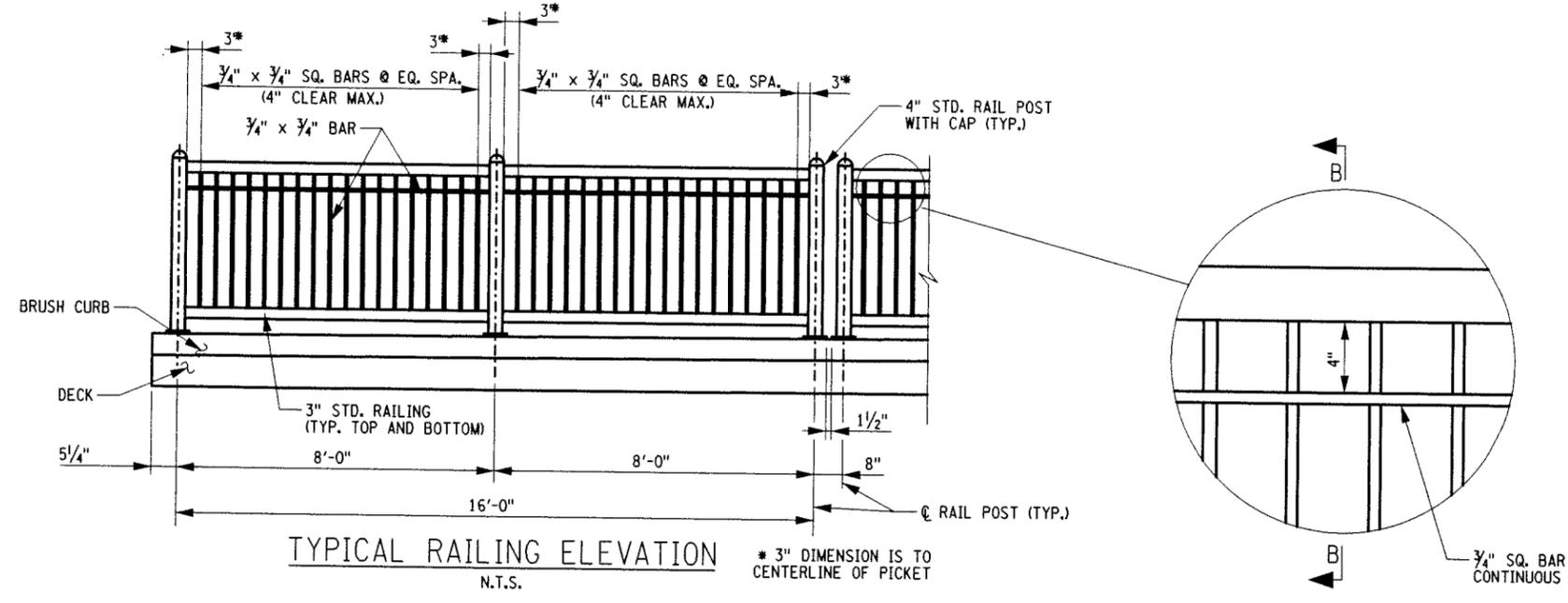
PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK
 TITLE OF DRAWING
 BEARING DETAILS

PROJECT NO
 192500267
 DRAWING NO
 ST-8

Workplace
 Disruptive & Unethical
 Project Swapping
 Node Knocking

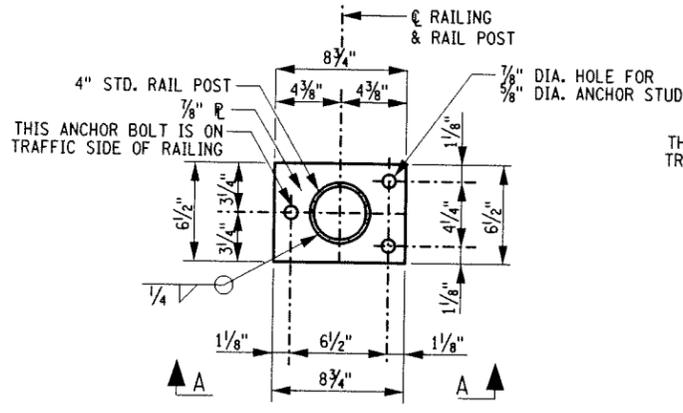
Project Swapping
 Disruptive & Unethical
 Project Swapping
 Node Knocking

Project Swapping
 Disruptive & Unethical
 Project Swapping
 Node Knocking

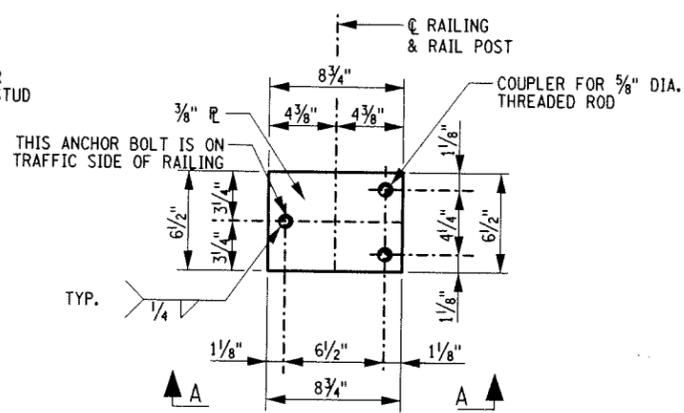


NOTES:

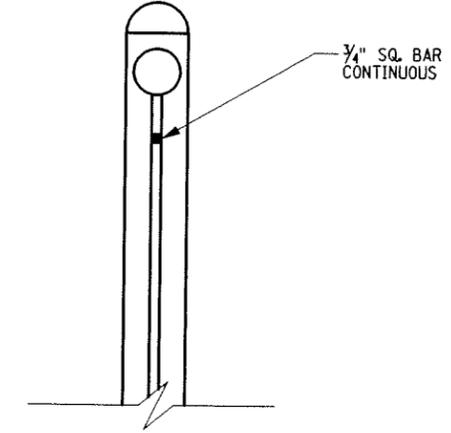
1. ALL RAILING IS TO BE FABRICATED SO THAT THE RAILS ARE PARALLEL TO EACH OTHER AND TO THE SLAB SURFACE, AND SO THAT THE POSTS ARE TRULY VERTICAL.
2. THE BASE PLATES SHALL BE PERPENDICULAR TO THE RAIL POST.
3. ALL RAILS SHALL BE CONTINUOUS BETWEEN POSTS. NO SPLICING OF RAILS IS PERMITTED UNLESS SPECIFIED BY THE ENGINEER.
4. MATERIALS USED IN THE MANUFACTURING OF THIS RAILING ASSEMBLY SHALL CONFORM TO THE SPECIFICATIONS LISTED UNDER NYSDOT SPECIFICATION 568-BRIDGE RAILING.
5. ALL RAILING SECTIONS INCLUDING THE BASE PLATES SHALL BE POWDER COATED IN ACCORDANCE WITH THE RAIL SPECIFICATION S568.64 - PEDESTRIAN RAILING.
6. ALL RAILING DIMENSIONS ARE MEASURED ALONG CENTERLINE OF RAILING.
7. THE FINISHED POWDER COAT COLOR SHALL MATCH THE EXISTING GREEN DECORATIVE FENCE COLOR LOCATED WITHIN THE ROCHESTER PUBLIC MARKET. THE CONTRACTOR SHALL PROVIDE THE CITY WITH A COLOR SAMPLE FOR APPROVAL PRIOR TO FABRICATION.
8. CONTRACTOR SHALL VERIFY POST LAYOUT IN FIELD AND INDICATE ANY REVISIONS ON SHOP DRAWINGS.



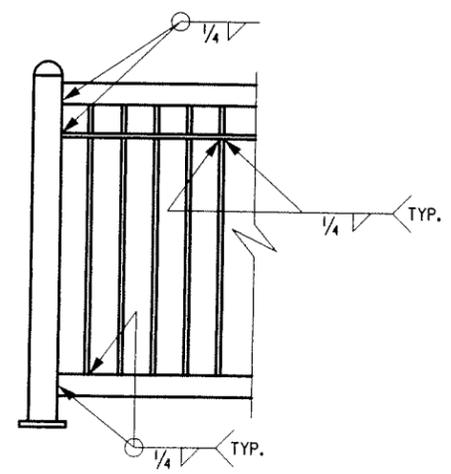
BASE PLATE DETAIL
N.T.S.



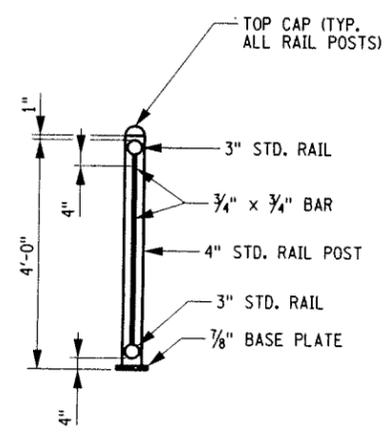
ANCHOR PLATE DETAIL
N.T.S.



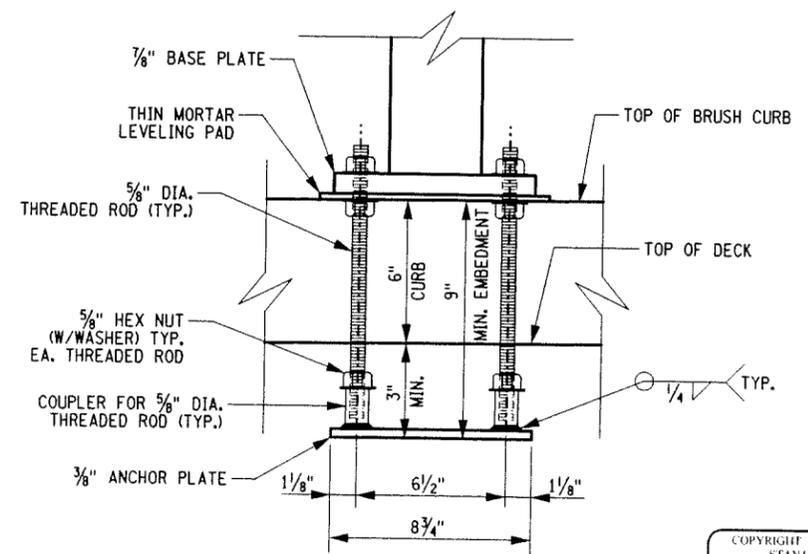
SECTION B-B
N.T.S.



TYPICAL WELDING DETAIL
N.T.S.



TYPICAL RAILING SECTION
N.T.S.



SECTION A-A
N.T.S.

COPYRIGHT © 2011
 STANTEC
 DRAWING ALTERATION
 IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS ACTING UNDER THE DIRECTION OF LICENSED ARCHITECT, PROFESSIONAL ENGINEER, LANDSCAPE ARCHITECT, OR LAND SURVEYOR TO ALTER ANY ITEM ON THIS DOCUMENT IN ANY WAY.
 ANY LICENSEE WHO ALTERS THIS DOCUMENT IS REQUIRED BY LAW TO AFFIX HIS OR HER SEAL AND THE NOTATION "ALTERED BY" FOLLOWED BY HIS OR HER SIGNATURE AND SPECIFIC DESCRIPTION OF THE ALTERATIONS.

NO.	REVISIONS	DATE	BY
6			
5			
4			
3			
2			
1			
0			

PROJECT ENGINEER/ARCHITECT
 T. BRADLEY
 PROJECT MANAGER
 J. HOFMANN

DRAWN BY
 S. WYANT
 SCALE
 AS SHOWN

FIRST ISSUE DATE
 8-1-2011

STANTEC CONSULTING SERVICES INC.
 61 Commercial Street
 Rochester, NY 14614
 Tel: (585) 475-1440
 Fax: (585) 272-1814
 www.stantec.com

PROJECT
 UNION STREET RR BRIDGE "RAILS TO TRAILS"
 CONVERSION PROJECT
 CITY OF ROCHESTER, NEW YORK

TITLE OF DRAWING
 RAILING DETAILS

PROJECT NO
 192500267

DRAWING NO
 ST-9