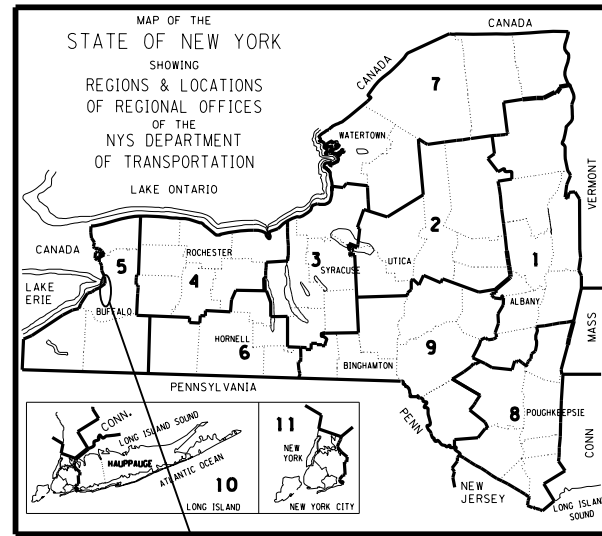


ERIE COUNTY INDUSTRIAL DEVELOPMENT AGENCY BUFFALO SOUTHERN RAILROAD TRACK IMPROVEMENT PROJECT MP 2.74 TO MP 33.0

NYSDOT P.I.N. 5936.74.301
ERIE COUNTY



PROJECT LOCATION

PROJECT LOCATION:

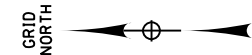
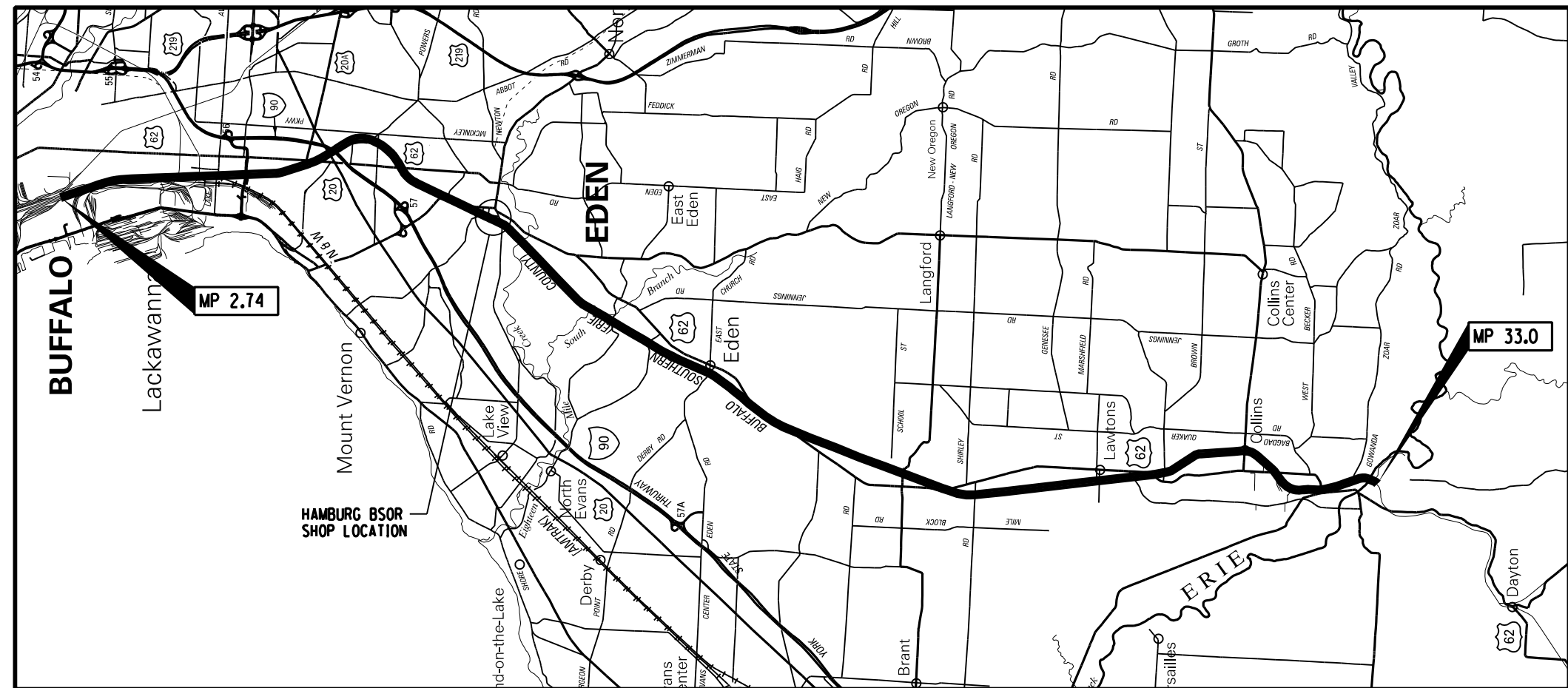
THE PROPOSED PROJECT IS LOCATED BETWEEN BUFFALO NY AND GOWANDA NY IN ERIE COUNTY. IT BEGINS AT MP 2.74 IN BUFFALO NY AND CONTINUES TO MP 33.0 IN GOWANDA NY.

WORK DESCRIPTION

- TIE REPLACEMENT
- SURFACING
- TURNOUT POINT REPLACEMENT
- TURNOUT TIMBER REPLACEMENT
- RAIL REPLACEMENT
- RAIL GREASER INSTALLATION

INDEX OF DRAWINGS

SHEET NUMBER	SHEET TITLE
-	TITLE SHEET
GN-1	PROJECT NOTES
Q-1	QUANTITIES
TS-1	TYPICAL SECTION
TL-1 TO TL-6	TRACK LAYOUTS
MT-1	MISC. TABLES



PROJECT LOCATION
NTS

IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

PREPARED BY
Anthony J. Sullivan 8-7-17
ANTHONY SULLIVAN, P.E. DATE
CHA, INC.
N.Y.S. P.E. NO. 096217

CHA PROJECT NO.: 32857

Drawing Copyright © 2017



**BUFFALO SOUTHERN
RAILROAD**

AUGUST 2017



2200 Main Place Tower
Buffalo, NY 14202-3722
716.847.6310 • www.chacompanies.com

PROJECT NOTES

GENERAL NOTES:

- ALL MATERIAL AND CONSTRUCTION SHALL CONFORM TO THE BUFFALO SOUTHERN RAILROAD SPECIFICATIONS FOR CONSTRUCTION, AND THE AMERICAN RAILWAY ENGINEERING AND MAINTENANCE-OF-WAY ASSOCIATION (AREMA) MANUAL, 2015 EDITION.
- A MINIMUM OF 15 DAYS PRIOR TO BEGINNING WORK, THE CONTRACTOR SHALL COORDINATE CONSTRUCTION ACTIVITIES WITH BUFFALO SOUTHERN RAILROAD. THE CONTRACTOR SHALL HAVE THE TRACK BACK IN SERVICE AT THE END OF EACH WORK PERIOD. NO SEPARATE PAYMENT WILL BE MADE FOR COORDINATION WITH BUFFALO SOUTHERN RAILROAD.
- THE CONTRACTOR SHALL SUBMIT A DETAILED SCHEDULE OF WORK ACTIVITIES TO THE ENGINEER AND BUFFALO SOUTHERN RAILROAD FOR REVIEW AND APPROVAL. IT IS ANTICIPATED THAT DISRUPTIONS TO RAIL TRAFFIC WILL BE MINIMIZED AND THAT THE WORK ASSOCIATED WITH THE PROJECT WILL BE COMPLETED WITHIN A TIMELY WORK PERIOD. SEE THE SPECIAL PROVISIONS FOR ADDITIONAL INFORMATION AND REQUIREMENTS.
- THE CONTRACTOR SHALL PROTECT WORKERS AT ALL TIMES IN CONFORMANCE WITH APPLICABLE OSHA, BUFFALO SOUTHERN RAILROAD ON-TRACK SAFETY AND FRA REGULATIONS.
- THE CONTRACTOR SHALL EXERCISE CARE IN REMOVAL OPERATIONS SO AS NOT TO UNDULY DISTURB UNDERLYING MATERIALS WHICH ARE TO REMAIN IN PLACE. 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 BUFFALO SOUTHERN RAILROAD, WILL NOT BE DAMAGED. IF THE CONTRACTOR DAMAGES ANY MATERIALS WHICH ARE TO REMAIN IN PLACE, OR WHICH ARE THE PROPERTY OF BUFFALO SOUTHERN, THE DAMAGED MATERIAL SHALL BE REPAIRED OR REPLACED IN A MANNER SATISFACTORY TO THE ENGINEER AT THE EXPENSE OF THE CONTRACTOR.
- THE CONTRACTOR WILL BE HELD RESPONSIBLE FOR ALL DAMAGES CAUSED BY OPERATIONS TO THE EXISTING CONDITIONS WHICH ARE NOT PART OF THE INTENDED WORK. ALL DAMAGES WHICH ARE NOT PART OF THE INTENDED WORK SHALL BE REPAIRED OR REPLACED BY THE CONTRACTOR AT NO COST TO BUFFALO SOUTHERN RAILROAD TO THE SATISFACTION OF THE ENGINEER.
- THESE CONTRACT DOCUMENTS HAVE BEEN PREPARED BASED ON FIELD INSPECTION AND OTHER AVAILABLE INFORMATION. ACTUAL FIELD CONDITIONS MAY REQUIRE MODIFICATIONS TO CONSTRUCTION DETAILS AND WORK QUANTITIES.
- THE CONTRACTOR WILL BE REQUIRED TO PLACE SUFFICIENT EQUIPMENT, LABOR, ETC. ON THE PROJECT SO THAT THE WORK MAY PROGRESS IN ACCORDANCE WITH THE APPROVED CONSTRUCTION SCHEDULE.
- CONTRACTOR STAGING AREAS SHALL BE COORDINATED WITH BUFFALO SOUTHERN RAILROAD AND THE ENGINEER PRIOR TO THE START OF CONSTRUCTION.
- WHENEVER ITEMS IN THE CONTRACT REQUIRE MATERIALS TO BE REMOVED AND DISPOSED OF, THE COST OF SUPPLYING A DISPOSAL AREA AND TRANSPORTATION TO THE AREA SHALL BE INCLUDED IN THE UNIT PRICE BID FOR THOSE ITEMS.
- THE CONTRACTOR SHALL MAINTAIN ACCESS TO ALL COMMERCIAL AND PUBLIC PROPERTIES WHENEVER POSSIBLE OR AS DIRECTED BY THE ENGINEER.
- THE CONTRACTOR SHALL REMOVE FROM BUFFALO SOUTHERN RAILROAD (BSOR) RIGHT-OF-WAY ALL RUBBISH AND WASTE FROM THE WORK AND DISPOSE OF IT AS DIRECTED BY THE ENGINEER. AFTER COMPLETING THE WORK, THE CONTRACTOR SHALL REMOVE FROM BSOR RIGHT-OF-WAY, AND FROM ALL PUBLIC AND PRIVATELY OWNED PROPERTY, AT THE CONTRACTOR'S EXPENSE; ALL TEMPORARY STRUCTURES AND WASTE RESULTING FROM THE CONTRACTOR'S OPERATIONS.
- WORK PERFORMED UNDER THIS PROJECT SHALL BE SUPERVISED AT ALL TIMES BY A CONTRACTOR SUPERINTENDENT AND A FOREMAN IN CHARGE OF FIELD OPERATIONS WHO ARE WELL EXPERIENCED IN TRACK CONSTRUCTION AND FULLY QUALIFIED TO DIRECT AND SUPERVISE THE INSTALLATION OF BALLASTED TRACK WORK IN ACCORDANCE WITH BUFFALO SOUTHERN RAILROAD STANDARDS.
- ALL WORK SHALL BE COMPLETED WITHIN THE EXISTING RAIL RIGHT-OF-WAY OR WITHIN EASEMENTS. IF THE CONTRACTOR DESIRES TO WORK OUTSIDE OF THE EXISTING RIGHT-OF-WAY OR EASEMENTS, IT IS THE RESPONSIBILITY OF THE CONTRACTOR TO OBTAIN THE NECESSARY RIGHTS.
- BSOR IS PERFORMING WORK CONCURRENTLY DURING PROJECT CONSTRUCTION. IT IS THE CONTRACTORS RESPONSIBILITY TO COORDINATE FIELD WORK WITH BSOR AND SCHEDULE WORK ACTIVITIES WITH BSOR.

TRACK WORK:

- THE CONTRACTOR SHALL NOTE THE CONDITION OF THE EXISTING TRACK AND TAKE GREAT CARE WHEN PERFORMING ITEM 75675.9000 RAISE, ALIGN AND SURFACE TRACK. TIE PLATES SHALL BEAR FIRMLY AGAINST THE RAIL BASE UPON COMPLETION. ANY TIE PLATE NOT BEARING FIRMLY AGAINST THE RAIL BASE (DOWN TIES) SHALL HAVE THE CAUSE CORRECTED. THE COST OF CORRECTING DOWN TIES SHALL BE INCLUDED IN THE PRICE BID FOR ITEM 75675.9000 RAISE, ALIGN AND SURFACE TRACK.
- TRACK SURFACING AND BALLAST REGULATING IS THE RESPONSIBILITY OF THE CONTRACTOR AND SHALL BE COORDINATED WITH BUFFALO SOUTHERN RAILROAD PRIOR TO COMMENCING WORK.
- BALLAST MATERIAL SUPPLIED SHALL BE APPROVED BY THE ENGINEER PRIOR TO BEING USED ON THE PROJECT. BALLAST SURFACING COURSE IS TO BE PAID UNDER ITEM 75675.1500. THE ENGINEER RESERVES THE RIGHT TO SAMPLE AND TEST THE STONE BALLAST UP TO AND INCLUDING THE POINT OF USE.
- THE CONTRACTOR SHALL REMOVE, INSTALL AND DISPOSE OF EXISTING WOOD CROSS TIES AS IDENTIFIED IN THE FIELD OR AS DIRECTED BY THE ENGINEER. THE WOOD CROSS TIES SHALL BE INSTALLED WITH A 19/2" TIE SPACING AS DIRECTED BY THE ENGINEER. ALL WORK ASSOCIATED WITH THE REPLACEMENT OF WOOD CROSS TIES, INCLUDING FURNISHING OF TRACK SPIKES, SHALL BE PAID FOR UNDER ITEM 75675.3000 REMOVE, FURNISH AND INSTALL WOOD CROSS TIES (6" X 8" X 8'-6" TIES OR 7" X 9" X 8'-6" TIES).
- DURING THE TIE AND SURFACING OPERATION, THE CONTRACTOR SHALL INSTALL TIE PLATES AT EVERY LOCATION A TIE PLATE IS MISSING, CRACKED, BROKEN OR AS DIRECTED BY THE ENGINEER. TIE PLATES SHALL BE MINIMUM 13'L X 7 1/2" WITH NEW OR FIT DOUBLE SHOULDERED TO FIT THE BASE OF THE RAIL ON WHICH THEY WILL BE USED. EACH TIE PLATE SHALL HAVE 8 HOLES PUNCHED FOR THE USE OF 5/8" TRACK SPIKES. INSTALLATION OF TIE PLATES WILL BE PAID UNDER ITEM 75675.5000 FURNISH AND INSTALL TIE PLATES.
- ALL THERMITE FIELD WELD JOINTS SHALL BE CROPPED AND WELDED IN ACCORDANCE WITH THE LATEST REVISION OF AREMA WELDED JOINTS SHALL BE GROUND TO CONFORM TO THE SHAPE OF THE RAIL ON GAUGE AND FIELD SIDES. ALL WELDS WILL BE CONSIDERED INCIDENTAL TO ITEM 75675.2150 FURNISH AND INSTALL THERMITE FIELD WELD).
- ALL SCRAP STEEL SHALL BE DELIVERED TO BSOR AT A LOCATION DESIGNATED BY THE ENGINEER.
- THE CONTRACTOR SHALL RAISE, ALIGN AND SURFACE THE TRACK PER ITEM 75675.9000 RAISE, ALIGN AND SURFACE TRACK AND THE EXISTING TURNOUTS PER ITEM 75675.9210 RAISE, ALIGN AND SURFACE TURNOUT. SURFACING IS TO FINAL GRADE. MULTIPLE PASSES SHALL BE CONSIDERED INCIDENTAL TO ITEM 75675.9000 RAISE, ALIGN AND SURFACE TRACK AND ITEM 75675.9210 RAISE, ALIGN AND SURFACE TURNOUT. ADDITIONAL QUANTITY OF ITEM 75675.9000 RAISE, ALIGN AND SURFACE TRACK HAS BEEN INCLUDED IN THE PROJECT TO ACCOUNT FOR MINIMUM RUNOFF ON THE SIDINGS TO RAISE THE TRACK TO PROPER ELEVATION AFTER THE TURNOUTS HAVE BEEN SURFACED. RUNOFF ON THE SIDINGS HAS BEEN ESTIMATED AT 100 FEET OR SHALL BE PERFORMED AS DIRECTED BY THE ENGINEER AND PAID FOR UNDER ITEM 75675.9000 RAISE, ALIGN AND SURFACE TRACK.
- THE CONTRACTOR SHALL INSTALL NEW NUTS, BOLTS AND SPRING WASHERS IN THE RAILROAD TRACK CONNECTIONS AT ALL LOCATIONS THAT THEY ARE DEEMED DEFECTIVE AS DIRECTED BY THE ENGINEER. ALL WORK ASSOCIATED WITH THE INSTALLATION OF NEW NUTS, BOLTS OR SPRING WASHERS SHALL BE PAID FOR UNDER ITEM 75675.5200 FURNISH AND INSTALL BOLTS SETS.
- THE CONTRACTOR SHALL REPLACE ANY DEFECTIVE JOINT BAR OR AS DIRECTED BY THE ENGINEER. ALL WORK ASSOCIATED WITH THE INSTALLATION OF JOINT BARS SHALL BE PAID FOR UNDER ITEM 75675.5400 FURNISH AND INSTALL JOINT BARS.
- ALL TIES REMOVED SHALL BECOME THE PROPERTY OF THE CONTRACTOR AND PROPERLY DISPOSED WITH THE EXCEPTION OF LONG TIMBERS REMOVED AS PART OF TURNOUT WORK.
- WORK FOR ITEM 75675.9214 - REMOVING EXISTING, FURNISH AND INSTALL SWITCH POINT & STOCK RAIL WILL NOT BE ACCEPTED IF THE NEW MAINLINE RAIL CLIPS LOCATION FROM THE POINT OF EACH SWITCH POINT DOES NOT MATCH AND IF THEY DO NOT PROPERLY FIT THE EXISTING SWITCH ROD, CONTRACTOR MUST CONFIRM THAT THE LOCATION OF THE CLIPS FOR THE NEW SAMPSON SWITCH POINT ARE THE SAME DISTANCE FROM THE POINT OF SWITCH AS THE RAIL CLIPS THAT WILL REMAIN FOR THE SIDING SO THAT ALL SWITCH RODS ARE LOCATED BETWEEN THE EXISTING SWITCH TIES SO THAT THE RODS AND CLIPS DO NOT BIND ON ANY SWITCH TIE. DAPING OF SWITCH TIES IS NOT PERMITTED. ANY EXISTING SHIMS OR WASHERS THAT ARE USED AS SPACERS ON THE SIDING CLIP WILL BE REMOVED BEFORE FINAL ADJUSTMENT OF BOTH SWITCH POINTS.
- ALL NEW TIES WITHIN CWR SECTION SHALL HAVE ANCHORS.
- ALL ANCHORS FURNISHED AND INSTALLED SHALL BE WRENCH TYPE ANCHORS.

FILE NAME = V:\P\cs\psets\ANY\K4\32857\CADD\HSTN\32857_gn.dgn
DATE/TIME = 8/7/2017
USER = 1459



BUFFALO SOUTHERN RAILROAD



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

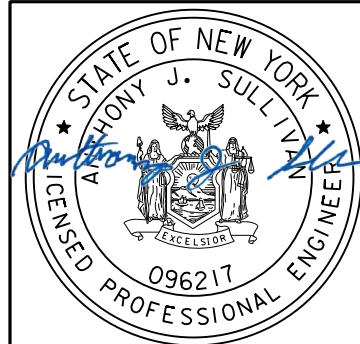
No.	Submittal / Revision	Appd.	Date

NYS DOT PIN 5936.74.301
ECIDA, BSOR
TRACK IMPROVEMENT PROJECT
 MP 2.74 TO MP 33.00
 ERIE COUNTY, NY

PROJECT NOTES

Designed By: AJS	Project No.: 32857	Drawing No.: GN-1
Drawn By: CAK	Scale: NONE	
Checked By: MJ	Plot Date: 8/7/2017	SHEET 2

**BUFFALO SOUTHERN
RAILROAD**



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

NYSDOT PIN 5936.74.301
ECIDA, BSOR
TRACK IMPROVEMENT
PROJECT
MP 2.74 TO MP 33.00
ERIE COUNTY, NY

**QUANTITY
SHEET**

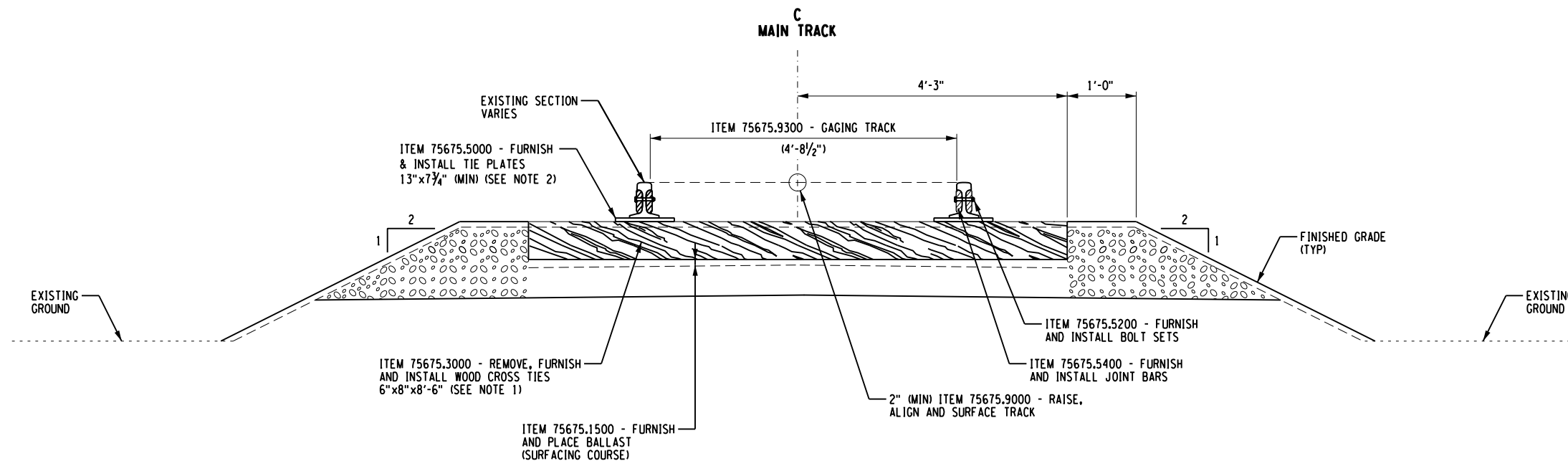
Designed By: AJS	Project No.: 32857	Drawing No.: Q-1
Drawn By: CAK	Scale: NONE	
Checked By: MJ	Plot Date: 8/7/2017	SHEET 3

ITEM NO.	DESCRIPTION	QUANTITY	UNIT OF MEASURE
75675.0102	TURNOUT REMOVAL	3	EA
75675.0103	GRADE CROSSING SURFACE REMOVAL	600	TF
75675.1500	FURNISH AND PLACE BALLAST (SURFACE COURSE)	9100	TN
75675.2150	FURNISH AND INSTALL THERMITE FIELD WELD	8	EA
75675.2216	REMOVE, FURNISH, AND INSTALL JOINTED RAIL (136LB - RE)	100	LF
75675.3000	REMOVE, FURNISH AND INSTALL WOOD CROSS TIES (6"X8"X8'-6")	7900	EA
75675.3001	REMOVE, FURNISH AND INSTALL WOOD CROSS TIES (7"X9"X8'-6")	574	EA
75675.3191	REMOVE, FURNISH AND INSTALL TURNOUT TIMBER	5982	LF
75675.5000	FURNISH AND INSTALL TIE PLATES	500	EA
75675.5100	FURNISH AND INSTALL RAIL ANCHORS	5000	EA
75675.5200	FURNISH AND INSTALL BOLT SETS	100	EA
75675.5400	FURNISH AND INSTALL JOINT BARS	50	EA
75675.5600	FURNISH AND INSTALL COMPROMISE RAIL JOINT ASSEMBLY	2	EA
75675.5810	FURNISH AND INSTALL NON-BONDED INSULATED JOINT ASSEMBLY	2	EA
75675.6900	FURNISH AND INSTALL HYDRAULIC RAIL LUBRICATOR	1	EA
75675.9000	RAISE, ALIGN AND SURFACE TRACK	160000	TF
75675.9210	RAISE, ALIGN AND SURFACE TURNOUT	33	EA
75675.9214	REMOVE EXISTING, FURNISH AND INSTALL SWITCH POINT & STOCK RAIL	4	EA
75675.9224	REMOVE EXISTING, FURNISH AND INSTALL FROG	2	EA
75675.9300	GAGING TRACK	5000	LF

TRACK NAME	FROM MP	TO MP	ITEM 75675.3000 FURNISH AND INSTALL WOOD CROSS TIES (6"X7"X8'-6")	ITEM 75675.3001 FURNISH AND INSTALL WOOD CROSS TIES (7"X9"X8'-6")
MAIN	2.7	3.0	-	125
MAIN	XING - 2.73			8
MAIN	3.0	4.0	-	100
MAIN	XING - 3.70			16
MAIN	4.0	5.0	-	100
MAIN	5.0	6.0	-	100
MAIN	6.0	6.4	-	75
MAIN	6.4	7.0	50	
MAIN	7.0	8.0	80	
MAIN	8.0	9.0	80	
MAIN	9.0	10.0	100	
MAIN	10.0	11.0	100	
MAIN	11.0	12.0	100	
MAIN	12.0	13.0	100	
MAIN	13.0	14.0	100	
MAIN	XING - 13.14			8
MAIN	XING - 13.20			10
MAIN	XING - 13.75			16
MAIN	14.0	15.0	700	
MAIN	15.0	16.0	700	
MAIN	16.0	17.0	600	
MAIN	17.0	18.0	350	
MAIN	XING - 17.66			16
MAIN	18.0	19.0	350	
MAIN	19.0	20.0	350	
MAIN	20.0	21.0	350	
MAIN	21.0	22.0	350	
MAIN	22.0	23.0	350	
MAIN	23.0	24.0	350	
MAIN	24.0	25.0	350	
MAIN	25.0	26.0	250	
MAIN	26.0	27.0	300	
MAIN	27.0	28.0	500	
MAIN	28.0	29.0	270	
MAIN	29.0	30.0	300	
MAIN	30.0	31.0	200	
MAIN	31.0	32.0	200	
MAIN	32.0	33.0	200	
SIDING	17.7	17.9	50	
SIDING	18.8	19.7	70	
SIDING	22.8	23.0	50	
TOTAL			7900	574



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.



TYPICAL SECTION - TIE & SURFACING

- NOTES:
- MP 2.7 TO MP 6.4 ITEM 75675.3001 - REMOVE, FURNISH AND INSTALL WOOD CROSS TIES 7"x9"x8'-6"
 - CP DRAW (MP 2.7±) TIE PLATES SHALL BE 18"x8", DOUBLE SHOULDER

FILE NAME = V:\P\0\sets\ANY\K4\32857\CADD\HSTN\32857.dgn
DATE / TIME = 8/7/2017
USER = 1459

No.	Submittal / Revision	Appd.	Date

NYS DOT PIN 5936.74.301
ECIDA, BSOR
TRACK IMPROVEMENT
PROJECT
MP 2.74 TO MP 33.00
ERIE COUNTY, NY

TYPICAL SECTION

Designed By: AJS	Project No.: 32857	Drawing No.:
Drawn By: CAK	Scale: NONE	TS-1
Checked By: MJ	Plot Date: 8/7/2017	
		SHEET 4



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

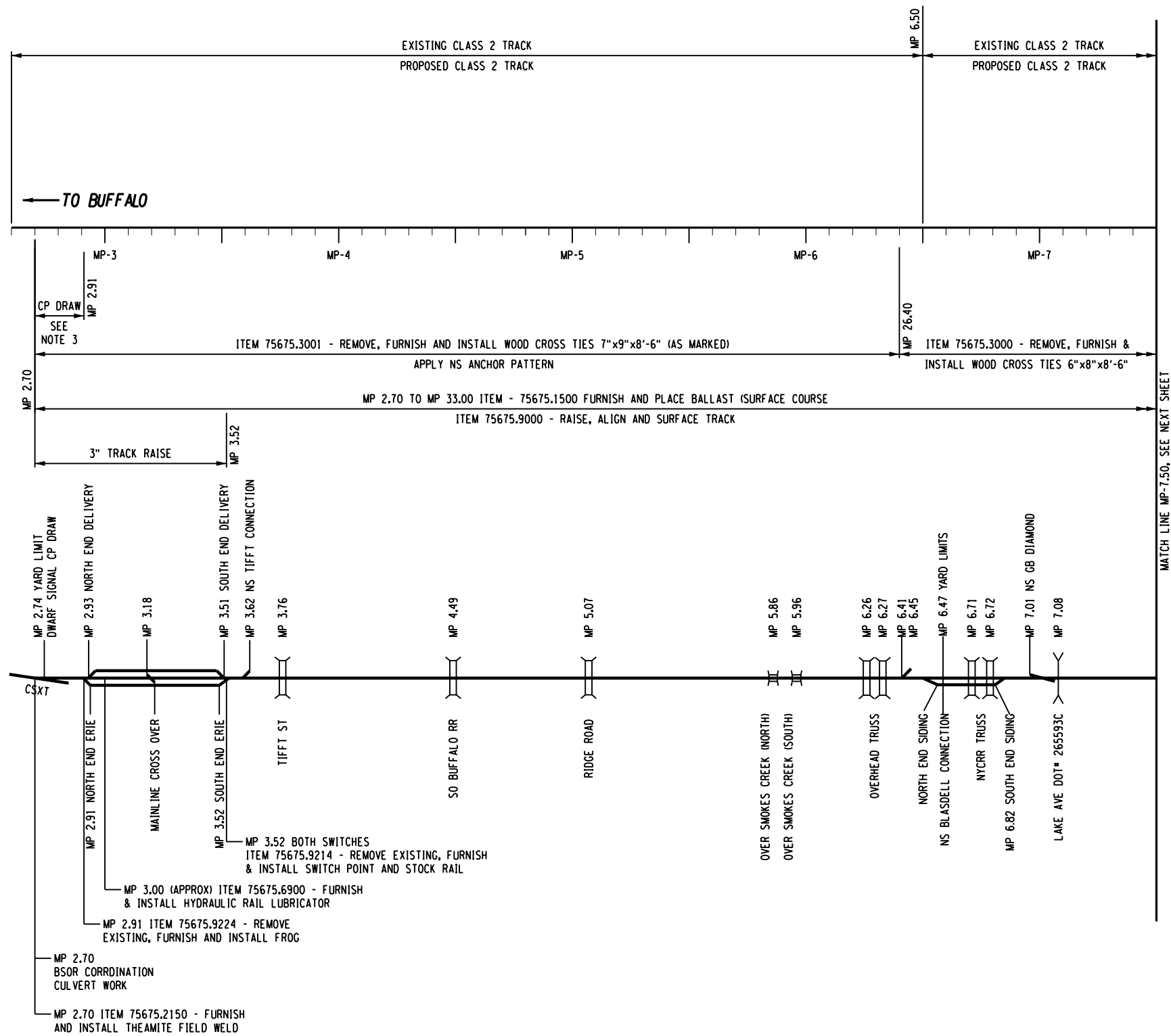
NYS DOT PIN 5936.74.301
ECIDA, BSOR
TRACK IMPROVEMENT
PROJECT
MP 2.74 TO MP 33.00
ERIE COUNTY, NY

TRACK LAYOUT

Designed By: AJS	Project No.: 32857	Drawing No.:
Drawn By: CAK	Scale: NONE	TL-1
Checked By: MJ	Plot Date: 8/7/2017	

NOTES:

- FROM MP 2.70 TO MP 33.00, THE ITEMS LISTED BELOW SHALL BE AS NEEDED AND DIRECTED BY THE ENGINEER. SHEET TABLES NOT INCLUDED FOR THESE ITEMS. SEE SHEET Q-1 FOR QUANTITIES.
 - ITEM 75675.3000 - REMOVE, FURNISH AND INSTALL WOOD CROSS TIES 6"x8"x8'-6" (AS MARKED IN THE FIELD). SEE TIE SIZE EXCEPTING THIS SHEET MP 2.70 TO MP 6.40.
 - ITEM 75675.5000 - FURNISH AND INSTALL TIE PLATES
 - ITEM 75675.5100 - FURNISH AND INSTALL RAIL ANCHORS
 - ITEM 75675.5200 - FURNISH AND INSTALL BOLT SETS
 - ITEM 75675.9300 - GAGING TRACK
- PROVIDE FINAL 1/2" SUPERELEVATION FOR CURVE AT CP DRAW.
- CP DRAW MP 2.70 TO MP 2.91:
 - TIE PLATES SHALL BE 18"x8" DOUBLE SHOULDER
 - EVERY TIE SHALL HAVE UNIT SPRING ANCHORS
 - USE NORFOLK SOUTHERN ANCHOR PATTERN
- ITEM 75675.9214 - REMOVE EXISTING, FURNISH AND INSTALL SWITCH POINT AND STOCK RAIL. CONTRACTOR TO ENSURE THAT SWITCH RODS AND POINT CLIPS WILL CONNECT PROPERLY TO EXISTING SIDING SWITCH POINTS. FIT SHALL BE APPROVED BY THE ENGINEER PRIOR TO ACCEPTANCE FOR PAYMENT.
- SEE SHEET MT-1 FOR GRADE CROSSING WORK.



MATCH LINE MP-7.50, SEE NEXT SHEET

JOINTS NEAR CP DRAW	QTY
75675.5600 FURNISH AND INSTALL COMPROMISE JOINT ASSEMBLY	2
75675.5810 FURNISH AND INSTALL NON-BONDED INSULATED JOINT ASSEMBLY	2

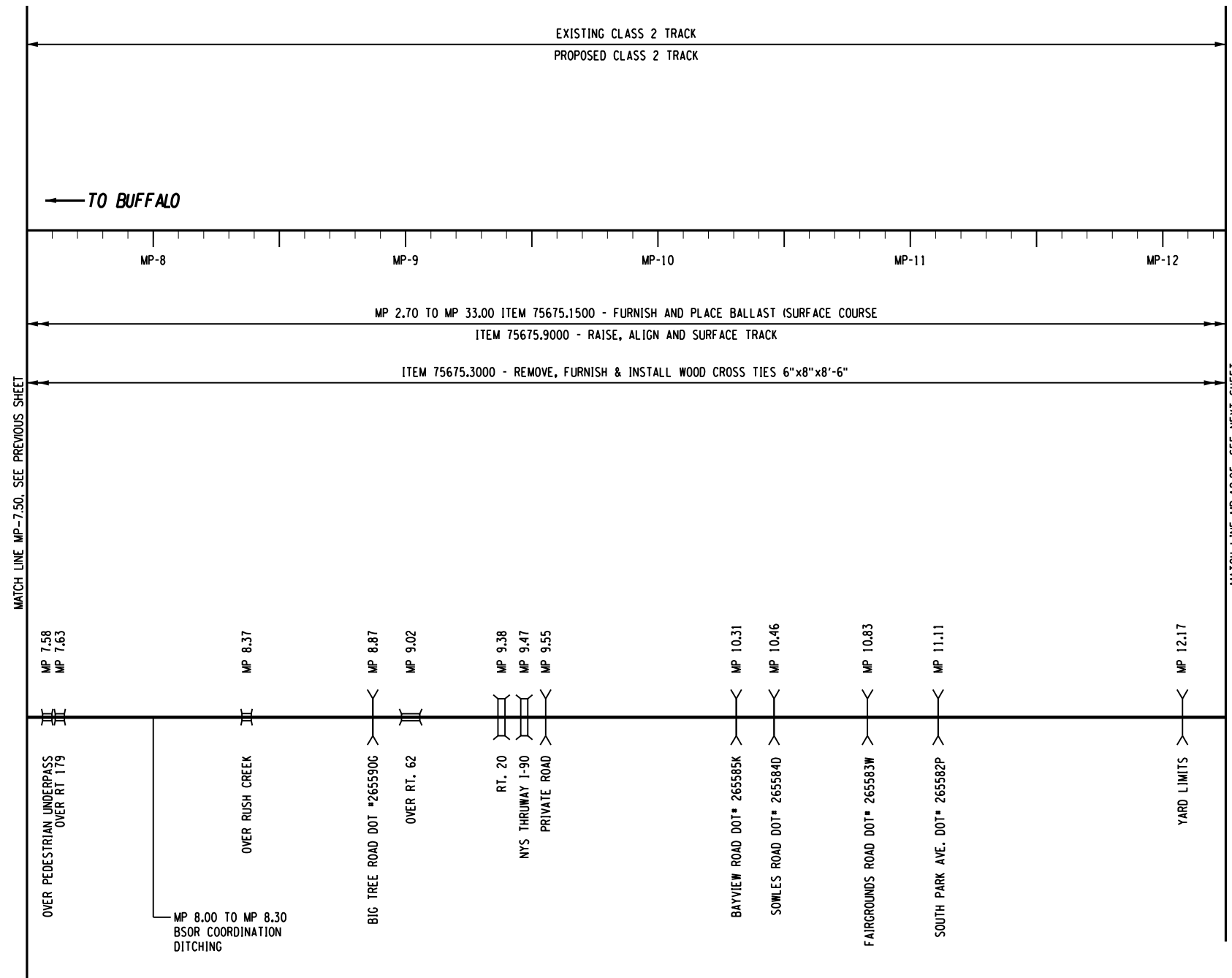
TURNOUTS

APPROXIMATE MILE POST	DESCRIPTION	HEADBLOCKS	ITEM 75675.3191 - REMOVE, FURNISH, AND INSTALL TURNOUT TIMBER								TOTAL LINEAR FEET (INCLUDES HEADBLOCKS)	RAISE, ALIGN, AND SURFACE NO. 10 TURNOUT ITEM NO. 75675.9210	REMOVE EXISTING, FURNISH AND INSTALL SWITCH POINT AND STOCK RAIL ITEM NO. 75675.9214	REMOVE EXISTING, FURNISH AND INSTALL NO. 10 FROG ITEM NO. 75675.9224	REMOVE TURNOUT ITEM NO. 75675.0102
			9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	16 ft					
2.91	NORTH END ERIE		0	1	1	0	0	1	1	3	98	1	1	1	-
2.93	NORTH END DELIVERY	2x15	3	0	2	0	2	3	3	1	178	1	1	-	-
3.18	MAIN LINE CROSSOVER	2x15	0	0	0	1	0	1	2	0	56	1	-	-	-
3.51	SOUTH END DELIVERY	2x15	2	2	1	0	0	1	4	3	171	1	1	-	-
3.52	SOUTH END ERIE	2x15	0	2	0	0	0	0	3	0	65	1	1	-	-
3.62	BSOR/NS TIFFT CON	2x15	0	1	1	0	0	0	3	1	82	1	-	-	-
6.41	BSOR/NS BLASDELL CON		0	0	0	0	0	0	0	0	0	1	-	-	-
6.45	NORTH END SIDING		0	0	0	0	0	5	0	0	70	1	-	-	-
6.82	SOUTH END SIDING		0	0	0	0	0	0	0	0	0	1	-	-	-

NOTE: HEAD BLOCK TIES ARE INCLUDED IN THE TURNOUT TIE COUNT TOTALS FOR THE LENGTH OF TIE.

FILE NAME = V:\Projects\04\32857\CADD\...MSTN\32857.dgn
DATE/TIME = 8/7/2017
USER = 1459

FILE NAME = V:\P\0\psets\ANY\K4\32857\CADD\HSTN\32857.tcdgn
 DATE / TIME = 8/7/2017
 USER = 1459



NOTES:

- FROM MP 2.70 TO MP 33.00, THE ITEMS LISTED BELOW SHALL BE AS NEEDED AND DIRECTED BY THE ENGINEER. SHEET TABLES NOT INCLUDED FOR THESE ITEMS. SEE SHEET Q-1 FOR QUANTITIES.
 - ITEM 75675.3000 - REMOVE, FURNISH AND INSTALL WOOD CROSS TIES 6"x8"x8'-6" (AS MARKED IN THE FIELD).
 - ITEM 75675.5000 - FURNISH AND INSTALL TIE PLATES
 - ITEM 75675.5100 - FURNISH AND INSTALL RAIL ANCHORS
 - ITEM 75675.5200 - FURNISH AND INSTALL BOLT SETS
 - ITEM 75675.9300 - GAGING TRACK
- PROVIDE FINAL 1/2" SUPERELEVATION FOR CURVE AT CP DRAW.
- CP DRAW MP 2.70 TO MP 2.91:
 - TIE PLATES SHALL BE 18"x8" DOUBLE SHOULDER
 - EVERY TIE SHALL HAVE UNIT SPRING ANCHORS
- ITEM 75675.9214 - REMOVE EXISTING, FURNISH AND INSTALL SWITCH POINT AND STOCK RAIL. CONTRACTOR TO ENSURE THAT SWITCH RODS AND POINT CLIPS WILL CONNECT PROPERLY TO EXISTING SIDING SWITCH POINTS. FIT SHALL BE APPROVED BY THE ENGINEER PRIOR TO ACCEPTANCE FOR PAYMENT.
- SEE SHEET MT-1 FOR GRADE CROSSING WORK.



BUFFALO SOUTHERN RAILROAD



IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

NYS DOT PIN 5936.74.301
 ECIDA, BSOR
 TRACK IMPROVEMENT
 PROJECT
 MP 2.74 TO MP 33.00
 ERIE COUNTY, NY

TRACK LAYOUT

Designed By: AJS	Project No.: 32857	Drawing No.:
Drawn By: CAK	Scale: NONE	TL-2
Checked By: MJ	Plot Date: 8/7/2017	
		SHEET 6



BUFFALO SOUTHERN RAILROAD



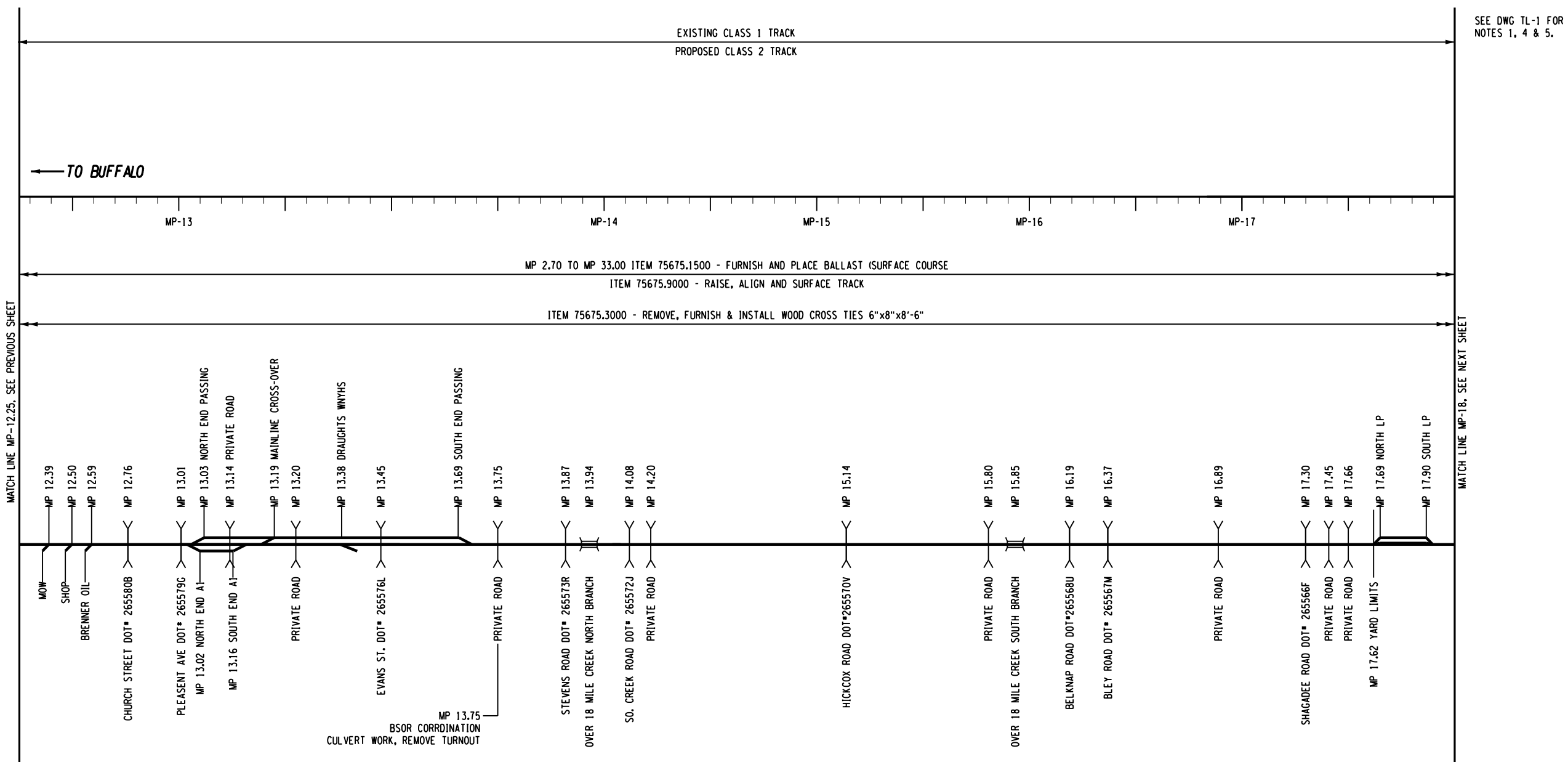
IT IS A VIOLATION OF LAW FOR ANY PERSON, UNLESS THEY ARE ACTING UNDER THE DIRECTION OF A LICENSED PROFESSIONAL ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR TO ALTER AN ITEM IN ANY WAY. IF AN ITEM BEARING THE STAMP OF A LICENSED PROFESSIONAL IS ALTERED, THE ALTERING ENGINEER, ARCHITECT, LANDSCAPE ARCHITECT OR LAND SURVEYOR SHALL STAMP THE DOCUMENT AND INCLUDE THE NOTATION "ALTERED BY" FOLLOWED BY THEIR SIGNATURE, THE DATE OF SUCH ALTERATION, AND A SPECIFIC DESCRIPTION OF THE ALTERATION.

No.	Submittal / Revision	Appd.	Date

NYS DOT PIN 5936.74.301
ECIDA, BSOR TRACK IMPROVEMENT PROJECT
 MP 2.74 TO MP 33.00
 ERIE COUNTY, NY

TRACK LAYOUT

Designed By: AJS	Project No.: 32857	Drawing No.: TL-3
Drawn By: CAK	Scale: NONE	
Checked By: MJ	Plot Date: 8/7/2017	SHEET 7



TURNOUTS

APPROXIMATE MILE POST	DESCRIPTION	HEADBLOCKS	ITEM 75675.3191 - REMOVE, FURNISH, AND INSTALL TURNOUT TIMBER								TOTAL LINEAR FEET (INCLUDES HEADBLOCKS)	RAISE, ALIGN, AND SURFACE NO. 10 TURNOUT ITEM NO. 75675.9210	REMOVE EXISTING, FURNISH AND INSTALL SWITCH POINT AND STOCK RAIL ITEM NO. 75675.9214	REMOVE EXISTING, FURNISH AND INSTALL NO. 10 FROG ITEM NO. 75675.9224	REMOVE TURNOUT ITEM NO. 75675.0102
			9 ft	10 ft	11 ft	12 ft	13 ft	14 ft	15 ft	16 ft					
12.39	MOW (SPRING FROG)	1x16	1	0	2	1	3	1	2	2	158	1	-	1	-
12.50	SHOP	2x16	1	2	1	1	1	0	1	4	144	1	-	-	-
12.59	BRENNER SWITCH		0	0	0	0	0	0	0	0	0	1	-	-	-
13.02	NORTH END A1		4	3	2	0	3	1	3	1	202	1	-	-	-
13.03	NORTH END PASSING	2x15	3	1	2	1	2	1	3	0	156	1	-	-	-
13.16	SOUTH END A1		2	2	1	1	2	1	1	1	132	1	-	-	-
13.19	MAIN LINE CROSSOVER	1x16	4	4	2	2	1	2	3	1	224	1	-	-	-
13.38	DRAUGHTS WNYHS		3	1	2	1	1	0	3	4	193	1	-	-	-
13.69	SOUTH END PASSING		2	1	2	1	0	0	1	5	157	1	-	-	-
17.69	NORTH LP		6	7	5	5	4	4	3	4	456	1	0	-	-
17.90	SOUTH LP		4	7	3	4	4	5	4	5	449	1	-	-	-

NOTE: HEAD BLOCK TIES ARE INCLUDED IN THE TURNOUT TIE COUNT TOTALS FOR THE LENGTH OF TIE.

FILE NAME = V:\Projects\NYS\K4\32857\CADD\...MSTN\32857.dgn
 DATE/TIME = 8/7/2017
 USER = 1459

SEE DWG TL-1 FOR NOTES 1, 4 & 5.

MATCH LINE MP-12.25, SEE PREVIOUS SHEET

MATCH LINE MP-18, SEE NEXT SHEET

