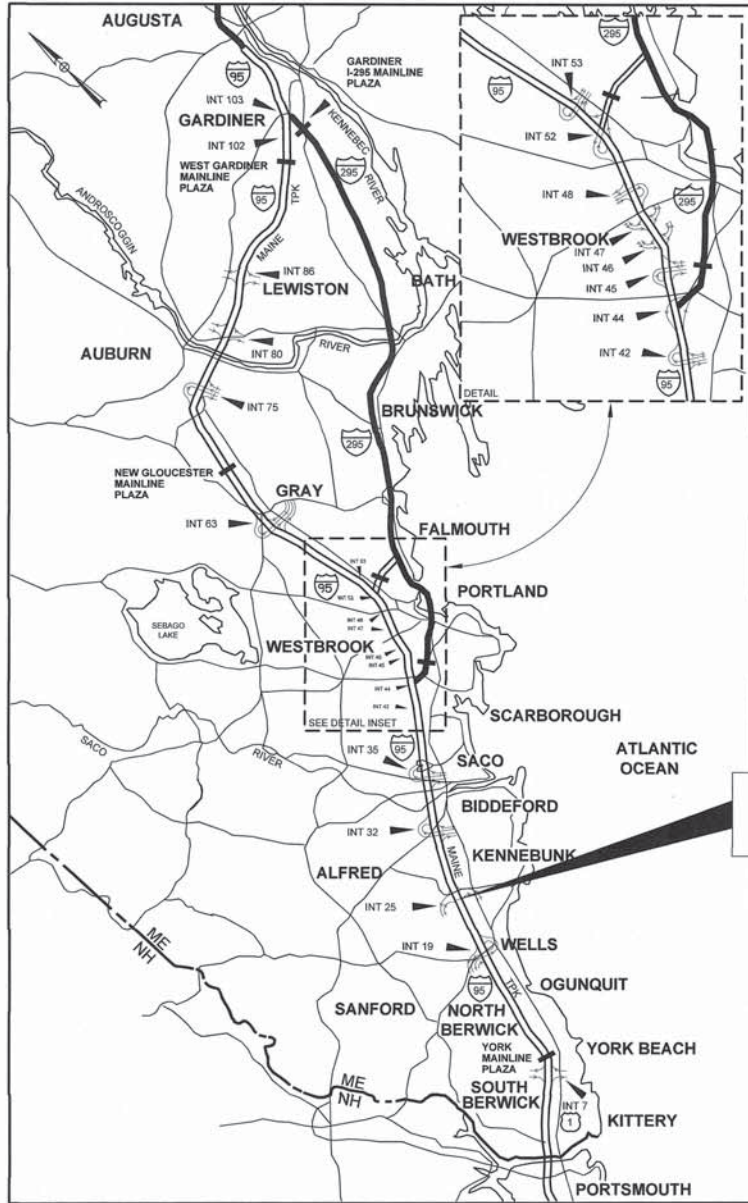


Date: 10/25/2019



LOCATION MAP

CONTRACT 2019.02
 KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 AND ROUTE 35 TRAFFIC SIGNALS



THE GOLD STAR
 MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

DANIEL E. WATHEN, CHAIR
 ROBERT D. STONE, VICE CHAIR
 MICHAEL J. CIANCHETTE, MEMBER
 ANN R. ROBINSON, MEMBER
 THOMAS J. ZUKE, MEMBER
 BRUCE A. VAN NOTE, MEMBER EX-OFFICIO

S. PETER MILLS, EXECUTIVE DIRECTOR

CONTRACT 2019.02 KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB AND ROUTE 35 TRAFFIC SIGNALS

INDEX OF SHEETS	
SHEET NO.	DESCRIPTION
1	TITLE SHEET
2	ESTIMATED QUANTITIES
3	EARTHWORK SUMMARY
4	GENERAL NOTES
5-8	TYPICAL SECTIONS
9-14	MISCELLANEOUS DETAILS
15-30	MAINTENANCE OF TRAFFIC PLANS AND DETAILS
31	KEY PLAN
32-37	SITE PLANS
38-39	PROFILES
40-43	BMP PLANS
44-48	GRADING AND DRAINAGE PLANS
49	LIGHTWEIGHT FILL DETAIL PLAN
50-53	SPOT ELEVATION PLANS
54-58	GEOMETRIC PLANS
59-65	STRIPING PLANS
66-86	SIGNING PLANS AND DETAILS
87-100	LIGHTING PLANS
101-103	SIGNAL PLANS
104-106	LIMIT OF DISTURBANCE PLANS
107-158	CROSS SECTIONS

CONTRACT 2019.02

APPROVED: MAINE TURNPIKE AUTHORITY

Peter S. Merfeld
 PETER S. MERFELD, P.E. - CHIEF OPERATIONS OFFICER
 DATE: 10-29-19

Stephen R. Tartre
 STEPHEN R. TARTRE, P.E., - DIRECTOR OF ENGINEERING & BUILDING MAINTENANCE
 DATE: 10-28-19



Roland A. Lavallee
 ROLAND A. LAVALLEE P.E., PLS
 VICE PRESIDENT
 DIRECTOR OF OPERATIONS
 DATE: 10/25/2019

Filename: 00X_Title_Sheet.dgn

Date: 10/23/2019

ITEM NO.	ITEM DESCRIPTION	UNIT	PLAZA EXPANSION	INTERCHANGE PAVING	SIGNAL IMPROVEMENTS	PROJECT TOTAL
201.11	Clearing	AC	7	0	0	7
201.23	Removing Single Tree Top Only	EA	27	0	0	27
201.24	Removing Stump	EA	27	0	0	27
202.15	Removing Existing Manhole or Catch Basin	EA	6	0	0	6
202.202	Removing Pavement Surface	SY	13000	600	0	13600
202.203	Pavement Butt Joints	SY	0	2400	0	2400
202.22	Removing and Stockpiling Boulders	EA	41	0	0	41
203.20	Common Excavation	CY	55300	0	0	55300
203.2312	Health and Safety Plan	LS	1	0	0	1
203.2333	Disposal/Treatment of Special Excavation	TON	250	0	0	250
203.2334	Disposal/Treatment of Contaminated Groundwater	GAL	100000	0	0	100000
203.25	Granular Borrow	CY	4450	0	0	4450
203.43	Foamed Glass Aggregate Lightweight Fill	CY	1200	0	0	1200
203.45	Clay Borrow	CY	200	0	0	200
304.10	Aggregate Subbase Course - Gravel	CY	29400	0	0	29400
304.14	Aggregate Base Course - Type A	CY	7700	0	0	7700
403.207	Hot Mix Asphalt, 19.0 mm Nominal Maximum Size	TON	9000	0	0	9000
403.208	Hot Mix Asphalt, 12.5 mm - RAP	TON	4300	0	0	4300
403.2081	Hot Mix Asphalt, 12.5 mm (Polymer Modified) - RAP	TON	1650	1250	0	2900
403.2084	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (sidewalks, drives, islands & incidentals)	TON	290	0	0	290
403.212	Hot Mix Asphalt, 4.75 mm Nominal Maximum Size	TON	345	450	0	795
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base Course)	TON	5050	0	0	5050
409.15	Bituminous Tack Coat RS-1 or RS 1H - Applied	GAL	5950	1250	0	7200
411.12	Crushed Stone Surface	TON	54	0	0	54
419.30	Sawing Bituminous Pavement	LF	10800	0	0	10800
526.306	Temporary Concrete Barrier, Type I - Supplied by Authority (3520 LF)	LS	1	0	0	1
526.307	Concrete Barrier Type I - Stormwater Filter	LF	100	0	0	100
527.341	Work Zone Crash Cushions - TL-3	UNIT	5	0	0	5
527.342	Work Zone Crash Cushions - TL-2	UNIT	1	0	0	1
602.30	Flowable Concrete Fill	CY	110	0	0	110
603.05	6" PVC Pipe	LF	52	0	0	52
603.155	12 inch Reinforced Concrete Pipe - Class III	LF	1050	0	0	1050
603.1552	12 inch Reinforced Concrete Pipe - Class IV	LF	200	0	0	200
603.165	15 inch Reinforced Concrete Pipe - Class III	LF	130	0	0	130
603.175	18 inch Reinforced Concrete Pipe - Class III	LF	770	0	0	770
603.179	18 Inch Culvert Pipe Option III	LF	50	0	0	50
603.195	24 inch Reinforced Concrete Pipe - Class III	LF	520	0	0	520
603.205	30 inch Reinforced Concrete Pipe - Class III	LF	440	0	0	440
603.215	36 inch Reinforced Concrete Pipe - Class III	LF	300	0	0	300
603.225	42 inch Reinforced Concrete Pipe - Class III	LF	120	0	0	120
603.28	Concrete Collar	EA	4	0	0	4
604.09	Catch Basin Type B1	EA	21	0	0	21
604.093	60" Catch Basin Type B1	EA	3	0	0	3
604.094	72" Catch Basin Type B1	EA	1.5	0	0	1.5
604.11	Catch Basin Type C1	EA	1	0	0	1
604.16	Altering Catch Basin to Manhole	EA	1	0	0	1
604.164	Rebuilding Catch Basin	EA	1	0	0	1
604.18	Adjusting Manhole or Catch Basin To Grade	EA	3	0	0	3
604.182	Cleaning Existing Catch Basin and Manhole	EA	4	0	0	4
604.244	Catch Basin Type F4	EA	2	0	0	2
604.248	Catch Basin Type F6	EA	2	0	0	2
604.30	Oil-Water Separator System	EA	1	0	0	1
605.016	6 Inch PVC Underdrain	LF	1550	0	0	1550
605.018	8 Inch PVC Underdrain	LF	600	0	0	600
605.09	6 Inch Underdrain Type B	LF	810	0	0	810
605.10	6 Inch Underdrain Outlet	LF	23	0	0	23
605.13	18 Inch Underdrain Type C	LF	140	0	0	140
606.1301	31" W-Beam Guardrail - Mid-Way Splice (7' Steel Posts, 8" Offset Blocks, Single Faced)	LF	1850	0	0	1850
606.1307	31" W-Beam Guardrail - Mid-Way Splice Flared Terminal	EA	2	0	0	2
606.1351	Terminal End - Anchored End - 31" W-Beam Guardrail	EA	2	0	0	2
606.356	Underdrain Delineator Post	EA	230	0	0	230
606.3561	Delineator Post - Remove and Reset	EA	58	0	0	58
606.3605	Guardrail - Remove, Modify and Reset Single Rail	LF	190	0.0	0.0	190
606.3606	Guardrail - Remove, Modify and Reset Double Rail	LF	25	0.0	0.0	25
606.79	Guardrail 350 Flared Terminal	EA	2	0	0	2
607.24	Remove and Reset Fence	LF	220	0	0	220
607.44	Safety Fence	LF	4470	0	0	4470
608.08	Reinforced Concrete Sidewalk	SY	220	0	0	220
608.26	Curb Ramp Detectable Warning Field	SF	0	0	48	48
609.12	Vertical Curb Type 1 - Circular	LF	85	0	0	85
609.234	Terminal Curb Type 1 - 4 foot	EA	2	0	0	2
609.238	Terminal Curb Type 1 - 8 foot	EA	1	0	0	1
609.31	Curb Type 3	LF	150	0	0	150
609.34	Curb Type 5	LF	2350	0	0	2350
609.35	Curb - Type 5 - Circular	LF	140	0	0	140
609.38	Reset Curb Type 1	LF	790	0	0	790
610.08	Plain Rprap	CY	180	0	0	180
610.18	Stone Ditch Protection	CY	120	0	0	120
610.181	Temporary Stone Check Dam	CY	47	0	0	47
613.319	Erosion Control Blanket	SY	13800	0	0	13800
615.07	Loam	CY	5400	0	0	5400

ITEM NO.	ITEM DESCRIPTION	UNIT	PLAZA EXPANSION	INTERCHANGE PAVING	SIGNAL IMPROVEMENTS	PROJECT TOTAL
618.13	Seeding Method Number 1	UNIT	15	0	0	15
618.14	Seeding Method Number 2	UNIT	380	0	0	380
618.143	Special Seeding	UNIT	38	0	0	38
619.1201	Mulch - Plan Quantity	UNIT	420	0	0	420
619.1202	Temporary Mulch	LS	1	0	0	1
620.56	Drainage Geotextile	SY	4100	0	0	4100
620.58	Erosion Control Geotextile	SY	950	0	0	950
620.60	Separation Geotextile	SY	2700	0	0	2700
621.037	Evergreen Trees (5'-6'), GP A - Pinus Resinosa (Red Pine)	EA	11	0	0	11
626.121	Quartzite Junction Box (36x24)	EA	0	0	8	8
626.122	Quartzite Junction Box (18x11)	EA	110	0	0	110
626.22	Non-metallic Conduit	LF	24000	0	2300	26300
626.31	18 inch Diameter Foundation	EA	0	0	1	1
626.32	24 inch Diameter Foundation	EA	53	0	0	53
626.33	30 inch Diameter, 8 feet or less Foundation	EA	16	0	0	16
626.332	30-Inch Diameter, Greater than 8-Feet Long, And all 36-Inch and 42-Inch Diameter Foundations	CY	30	0	30	60
626.35	Controller Cabinet Foundation	EA	0	0	2	2
627.712	White or Yellow Pavement Marking Line	LF	56800	8200	0	65000
627.75	White or Yellow Pavement & Curb Marking	SF	400	50	120	570
627.77	Removing Existing Pavement Marking	SF	8350	0	120	8470
627.812	Temporary Raised Pavement Markers	EA	100	0	0	100
627.941	Pavement Marking Tape - Dotted White Lane Line, 6-Inch Width	LF	430	0	0	430
629.05	Hand Labor, Straight Time	HR	40	0	0	40
631.12	All Purpose Excavator (Including Operator)	HR	40	0	0	40
631.13	Bulldozer (Including Operator)	HR	40	0	0	40
631.172	Truck - Large (Including Operator)	HR	80	0	0	80
631.22	Front End Loader (Including Operator)	HR	40	0	0	40
631.32	Culvert Cleaner (Including Operators)	HR	16	0	0	16
631.36	Foreman	HR	40	0	0	40
634.2041	Luminaires	EA	34	0	1	35
634.208	Remove and Reset Light Standard	EA	37	0	0	37
634.210	Conventional Light Standard	EA	16	0	0	16
639.18	Field Office, Type A	EA	1	0	0	1
643.71	Traffic Signal Modifications at: Alewife Road w/ Fletcher Street	LS	0	0	1	1
643.801	Traffic Signal at: I-95 SB w/ Alewife	LS	0	0	1	1
643.802	Traffic Signal at: I-95 NB w/ Fletcher Street	LS	0	0	1	1
643.831	Video Detection System: I-95 SB with Alewife	LS	0	0	1	1
643.832	Video Detection System: I-95 NB with Fletcher Street	LS	0	0	1	1
643.911	Mast Arm Pole - 25' Mast Arm	EA	0	0	3	3
643.912	Mast Arm Pole - 30' Mast Arm	EA	0	0	1	1
643.913	Mast Arm Pole - 35' Mast Arm	EA	0	0	2	2
643.914	Mast Arm Pole - 40' Mast Arm	EA	0	0	1	1
643.92	Pedestal Pole - 8 Foot	EA	0	0	1	1
643.94	Dual Purpose Pole - 30' Mast Arm and 12' Luminaire Arm	EA	0	0	1	1
645.105	Remove and Stack Sign	EA	130	0	5	135
645.109	Remove and Reset Sign	EA	44	0	1	45
645.1211	Overhead Sign Structure and Guide Sign	LS	1	0	0	1
645.161	Breakaway Device Single Pole	EA	10	0	0	10
645.162	Breakaway Device Multi Pole	EA	13	0	0	13
645.251	Roadside Guide Signs, Type I	SF	560	0	0	560
645.252	Roadside Guide Signs, Type I - Supplied by Authority	SF	420	0	0	420
645.271	Regulatory, Warning, Confirmation and Route Assembly Sign, Type 1	SF	420	0	150	570
645.289	Steel H-Beam Poles	LBS	5650	0	0	5650
645.511	Radar Activated Flashing LED Yield Sign	EA	0	0	1	1
652.30	Flashing Arrow	EA	2	0	0	2
652.312	Type III Barricades	EA	4	0	0	4
652.33	Drum	EA	490	0	0	490
652.34	Cone	EA	20	0	0	20
652.35	Construction Signs	SF	1370	0	0	1370
652.361	Maintenance of Traffic Control Devices	LS	1	0	0	1
652.38	Flaggers	HR	540	0	120	660
652.41	Portable-Changeable Message Sign	EA	2	0	0	2
652.45	Truck Mounted Attenuator	CD	12	0	0	12
652.4501	Truck Mounted Attenuator - 24,000 LB	CD	16	0	0	16
652.451	Automated Trailer Mounted Speed Limit Sign	CD	10	0	0	10
655.102	#2 AWG Wire	LF	13150	0	0	13150
655.106	#6 AWG Wire	LF	16700	0	0	16700
655.11	#10 AWG Wire	LF	5850	0	0	5850
656.50	Baled Hay, In Place	EA	20	0	0	20
656.60	Temporary Berms	LF	3000	0	0	3000
656.62	Temporary Slope Drains	LF	500	0	0	500
656.632	30 inch Temporary Silt Fence	LF	2750	0	0	2750
659.10	Mobilization	LS	0.8	0.1	0.1	1
673.01	Stormwater Filter Bed	CY	710	0	0	710
801.1331	6" Sewer Force Main	LS	1	0	0	1
822.3408	8-Inch Ductile Iron Water Pipe	LF	1600	0	0	1600
822.411	8-Inch Ductile Iron Pipe Fittings	LB	1110	0	0	1110
823.325	8-Inch Gate Valve	EA	3	0	0	3
825.411	Food Truck Water Connection	LS	1	0	0	1
827.3641	Remove 8-Inch Asbestos-Cement Pipe	LF	900	0	0	900
830.27	Horizontal Directional Drilling, 3 inch HDPE Conduit	LF	520	0	900	1420

Scale:

No.	Revision	By	Date


Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

By	Date	Checked	Date
PEM	10\19	DSS	10\19
PEM	10\19	In Charge of	RAL

HNTB CORPORATION
 340 County Road, Suite 6-C
 Westbrook, ME 04092
 TEL (207) 774-5155
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 ESTIMATED QUANTITIES

SHEET NUMBER: EQ-01
 CONTRACT: 2019.02
 2 OF 158

Filename: 00X_Estimate Quantities.dgn

CONSTRUCTION PHASE I
EARTHWORK SUMMARY

	<u>Northbound</u> <u>Plaza Phase I</u>	<u>Southbound</u> <u>Plaza Phase I</u>	<u>SB & NB</u> <u>Combined</u> <u>Phase I</u>
PHASE I COMMON EXCAVATION FOR ESTIMATE			
COMMON EXCAVATION (FROM ROADWAY CROSS SECTIONS)	6,345	16,367	
GRUBBING IN FILL (FROM ROADWAY CROSS SECTIONS)	1,815	383	
COMMON EXCAVATION (FROM PARKING AREAS)	1,956	17,747	
GRUBBING IN FILL (FROM PARKING AREAS)	1,420	219	
TOTAL COMMON EXCAVATION (for estimate)	11,535	34,716	46,251
FILL FOR BORROW CALCULATIONS			
COMMON FILL (FROM ROADWAY CROSS SECTIONS)	10,602	386	
GRUBBING IN FILL (FROM ROADWAY CROSS SECTIONS)	1,815	383	
COMMON FILL (FROM PARKING AREAS)	8,806	428	
GRUBBING IN FILL (FROM PARKING AREAS)	1,420	219	
ESTIMATED GRANULAR BORROW (NB On Ramp)	-1,747	0	
LIGHTWEIGHT FILL (FROM PARKING AREAS)	-1,200	0	
TOTAL FILL	19,696	1,416	21,111
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS			
(1) TOTAL COMMON EXCAVATION	11,535	34,716	
DEDUCTIONS:			
GRUBBING IN CUT	2,242	6,717	
GRUBBING IN FILL	3,235	602	
PAVEMENT SALVAGE (CUT & FILL)	1,057	721	
(2) TOTAL DEDUCTIONS	6,534	8,040	
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)	5,001	26,676	
TOTAL AVAILABLE STRUCT. EXCAVATIONS	459	1,053	
TOTAL AVAILABLE NON-ROCK EXCAVATION	5,461	27,729	33,189
COMPUTATION FOR COMMON BORROW FOR ESTIMATE			
(3) TOTAL FILL	19,696	1,416	21,111
TOTAL AVAIL. NON-ROCK EXCAV. $\frac{33,189}{33,189} \times 0.90 =$	29,870		
(4) TOTAL AVAILABLE EXCAVATION =	4,915	24,956	29,870
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION	14,781	-23,540	-8,759
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED			8,759

CONSTRUCTION PHASE II
EARTHWORK SUMMARY

	<u>Northbound</u> <u>Plaza Phase II</u>	<u>Southbound</u> <u>Plaza Phase II</u>	<u>SB & NB</u> <u>Combined</u> <u>Phase I</u>
PHASE II COMMON EXCAVATION FOR ESTIMATE			
COMMON EXCAVATION (FROM ROADWAY CROSS SECTIONS)	0	0	
GRUBBING IN FILL (FROM ROADWAY CROSS SECTIONS)	0	0	
COMMON EXCAVATION (FROM PARKING AREAS)	3,722	3,697	
GRUBBING IN FILL (FROM PARKING AREAS)	768	834	
TOTAL COMMON EXCAVATION (for estimate)	4,489	4,531	9,021
FILL FOR BORROW CALCULATIONS			
COMMON FILL (FROM ROADWAY CROSS SECTIONS)	0	0	
GRUBBING IN FILL (FROM ROADWAY CROSS SECTIONS)	0	0	
COMMON FILL (FROM PARKING AREAS)	2,493	2,939	
GRUBBING IN FILL (FROM PARKING AREAS)	768	834	
TOTAL FILL	3,260	3,773	7,033
AVAILABLE COMMON EXCAVATION FOR BORROW CALCULATIONS			
(1) TOTAL COMMON EXCAVATION	4,489	4,531	
DEDUCTIONS:			
GRUBBING IN CUT	666	1,420	
GRUBBING IN FILL	768	834	
PAVEMENT SALVAGE (CUT & FILL)	1,786	701	
(2) TOTAL DEDUCTIONS	3,219	2,955	
TOTAL AVAILABLE COMMON EXCAVATION (1) MINUS (2)	1,270	1,576	
TOTAL AVAILABLE STRUCT. EXCAVATIONS	0	0	
TOTAL AVAILABLE NON-ROCK EXCAVATION	1,270	1,576	2,847
COMPUTATION FOR COMMON BORROW FOR ESTIMATE			
(3) TOTAL FILL	3,260	3,773	7,033
TOTAL AVAIL. NON-ROCK EXCAV. $\frac{2,847}{2,847} \times 0.90 =$	2,562		
(4) TOTAL AVAILABLE EXCAVATION =	1,143	1,419	2,562
BORROW NEEDED = TOTAL FILL MINUS TOTAL AVAILABLE EXCAVATION	2,117	2,354	4,472
IF NO BORROW IS NEEDED, SURPLUS MATERIAL = AVAILABLE EXCAVATION MINUS TOTAL FILL, PLUS TOTAL WASTE MATERIAL TO BE WASTED			-4,472

NOTES:

1. SEE MAINTENANCE OF TRAFFIC SHEETS MOTOI - MOTIO FOR CONSTRUCTION PHASING INFORMATION.

2. SURPLUS MATERIAL FROM PHASE I SHALL BE USED AS BORROW IN PHASE II AS NEEDED.

Date:10/23/2019

Filename: 00X_Earthwork_Summary.dgn

Scale:		Designed by:			
		HNTB			
No.	Revision	By	Date		
				CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.	
		By	Date	By	Date
		Designed	PEM 10\19	Checked	DSS 10\19
		Drawn	PEM 10\19	In Charge of	RAL 10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

EARTHWORK SUMMARY

SHEET NUMBER: EQ-02

CONTRACT:2019.02

3 OF 158

GENERAL

1. ALL WORK SHALL CONFORM TO THE MAINE DEPARTMENT OF TRANSPORTATION (MAINEDOT) STANDARD DETAILS FOR HIGHWAYS AND BRIDGES (LATEST REVISION), THE MAINEDOT BEST MANAGEMENT PRACTICES FOR EROSION AND SEDIMENT CONTROL (LATEST REVISION) AND THE 2014 MAINEDOT STANDARD SPECIFICATIONS, EXCEPT AS MODIFIED BY THE MAINE TURNPIKE'S SUPPLEMENTAL SPECIFICATIONS AND SPECIAL PROVISIONS UNLESS OTHERWISE INCLUDED IN THESE PLANS.

2. THE CONTRACTOR SHALL SUBMIT THE PROPOSED STAGING AREA(S) AND FIELD TRAILER LOCATION TO THE RESIDENT FOR APPROVAL PRIOR TO STARTING WORK.

3. ANY DAMAGE TO PAVEMENT, SLOPES, OR STRUCTURES CAUSED BY THE CONTRACTOR'S EQUIPMENT, PERSONNEL OR OPERATIONS SHALL BE REPAIRED TO THE SATISFACTION OF THE RESIDENT. ALL WORK, EQUIPMENT, AND MATERIALS REQUIRED TO MAKE REPAIRS SHALL BE AT THE CONTRACTOR'S EXPENSE.

4. AS-BUILT PLANS FOR THE SERVICE PLAZAS ARE AVAILABLE FROM THE AUTHORITY UPON REQUEST.

5. EXISTING BOULDERS LOCATED WITHIN THE PROPOSED PARKING AREA WILL BE REMOVED AND STOCKPILED AT THE FORMER HOTEL SITE OFF OF THE NORTHBOUND PERIMETER ROAD AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 202.22 REMOVING AND STOCKPILING BOULDERS.

6. EXISTING PICNIC TABLES IN GOOD CONDITION LOCATED WITHIN PROPOSED EXPANDED PARKING AREAS SHALL BE SALVAGED, RELOCATED AND PLACED ON NEW CONCRETE SLABS AS SHOWN IN THE PLANS OR AS DIRECTED BY THE RESIDENT. PAYMENT FOR RELOCATION OF PICNIC TABLES SHALL BE MADE UNDER THE APPROPRIATE RENTAL ITEMS. PAYMENT FOR NEW CONCRETE SLABS WILL BE PAID UNDER ITEM 608.08. ALL OTHER CONCRETE SLABS AND PICNIC TABLES THAT WILL NOT BE RELOCATED SHALL BE DISPOSED OF AND SHALL BE CONSIDERED INCIDENTAL TO ITEM 203.20 COMMON EXCAVATION.

7. CONTRACTOR IS REQUIRED TO MAINTAIN ACCESS TO THE SERVICE PLAZA'S PARKING AREAS AND FUELING STATIONS DURING CONSTRUCTION AT ALL TIMES.

8. GEOTECHNICAL INFORMATION FURNISHED OR REFERRED TO IN THIS PLAN SET IS FOR THE BIDDER'S AND CONTRACTOR'S USE. NO ASSURANCE IS GIVEN THAT THE INFORMATION OR INTERPRETATIONS WILL BE REPRESENTATIVE OF ACTUAL SUBSURFACE CONDITIONS AT THE TIME OF CONSTRUCTION. THE AUTHORITY SHALL NOT BE RESPONSIBLE FOR THE BIDDER'S AND CONTRACTOR'S INTERPRETATIONS OF, OR CONCLUSIONS DRAWN FROM THE GEOTECHNICAL INFORMATION. THE BORING LOGS CONTAINED IN THE PLAN SET PRESENT FACTUAL AND INTERPRETIVE SUBSURFACE INFORMATION COLLECTED AT DISCRETE LOCATIONS. DATA PROVIDED MAY NOT BE REPRESENTATIVE OF THE SUBSURFACE CONDITIONS BETWEEN BORING LOCATIONS.

9. CLEARING LIMITS SHOWN ON THE PLANS ARE APPROXIMATE. FINAL CLEARING LIMITS WILL BE APPROVED BY THE RESIDENT. CLEARING WILL NOT BE PERMITTED IN THE MONTHS OF JUNE OR JULY.

10. THE U.S. ARMY CORPS OF ENGINEERS AND THE STATE OF MAINE DEPARTMENT OF ENVIRONMENTAL PROTECTION PERMIT FOR THE MAINE TURNPIKE KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION PROJECT ARE INCLUDED AS PART OF THIS CONTRACT (SEE SPECIFICATIONS). THE CONTRACTOR SHALL COMPLY WITH ALL CONDITIONS OF THESE PERMITS.

11. RIGHT OF WAY AND PROPERTY LINES ARE SHOWN FOR INFORMATIONAL PURPOSES ONLY.

GUARDRAIL

1. AT THE END OF EACH WORK DAY, THE CONTRACTOR IS REQUIRED TO HAVE AN APPROVED CRASHWORTHY END TREATMENT ON ALL GUARDRAIL WITHIN WORK AREAS THAT ARE ACCESSIBLE TO TRAFFIC.

2. CONNECTIONS FOR PROPOSED GUARDRAIL TO EXISTING GUARDRAIL SHALL BE INCIDENTAL TO THE PROPOSED GUARDRAIL ITEMS UNLESS NOTED OTHERWISE.

3. TWO REFLECTORIZED FLEXIBLE GUARDRAIL MARKERS (ITEM 606.353) SHALL BE INSTALLED AT ALL FLEAT 350 ENDS.

4. ALL GUARDRAIL SHALL BE INSTALLED IN A MANNER TO AVOID DRAINAGE STRUCTURES AND ELECTRICAL CONDUITS.

5. GUARDRAIL REMOVED AND NOT RESET OR STACKED SHALL BE INCIDENTAL TO CONTRACT ITEMS AND INCLUDE ALL REMOVAL, DISPOSAL, EQUIPMENT, AND LABOR NECESSARY TO SATISFACTORILY COMPLETE THE WORK.

6. HOLES CREATED BY GUARDRAIL REMOVAL WILL BE FILLED AND COMPACTED WITH APPROVED MATERIALS AS DIRECTED BY THE RESIDENT. PAYMENT TO BE INCIDENTAL TO THE GUARDRAIL ITEMS.

SIGNAGE

1. SIGNS E1-5P, GS14, E2-1, AND GS-13 SHALL BE SUPPLIED BY THE MAINE TURNPIKE AUTHORITY. THE CONTRACTOR SHALL SUPPLY THE POST AND SHALL INSTALL THE SIGNS. PAYMENT SHALL BE UNDER THE APPROPRIATE PAY ITEM, SEE SIGN SUMMARY SHEETS. ALL OTHER SIGNS ARE TO BE SUPPLIED BY THE CONTRACTOR.

EARTHWORK

1. CLEARING LIMITS SHALL BE 10' BEYOND AND PARALLEL TO THE CONSTRUCTION SLOPE LINES OR AS SHOWN ON THE PLANS UNLESS OTHERWISE AUTHORIZED BY THE RESIDENT. THE ACTUAL CLEARING LINES SHALL BE ESTABLISHED IN THE FIELD BY THE CONTRACTOR AND SHALL BE APPROVED BY THE RESIDENT PRIOR TO ANY CLEARING TAKING PLACE.

2. WASTE MATERIALS SHALL BE DISPOSED OF OFF THE PROJECT SITE, IN ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.

3. EXCAVATIONS ACCOMPLISHED AS PART OF THIS PROJECT SHALL BE CONSTRUCTED IN ACCORDANCE WITH OSHA SUBPART P OF 29 CFR PART 1926.650-652 (CONSTRUCTION STANDARDS FOR EXCAVATION).

4. FILL/BORROW SHALL BE COMPACTED TO 90% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR, EXCEPT AS AMENDED BY SPECIAL PROVISION 203. GRANULAR BORROW, AGGREGATE BASE, AND AGGREGATE SUBBASE SHALL BE COMPACTED TO 98% OF THEIR MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR FOR AREAS OF BACKFILL MATERIAL BEHIND ABUTMENTS AND RETAINING WALLS, EXCEPT AS AMENDED BY SPECIAL PROVISION 203. GRANULAR BORROW, AGGREGATE BASE, AND AGGREGATE SUBBASE SHALL BE COMPACTED TO 95% IN ALL OTHER LOCATIONS.

5. THE NORMAL GRUBBING WIDTH IN THE FILLS WHEN SUBGRADE IS LESS THAN 5 FEET ABOVE EXISTING GROUND SHALL BE VARIABLE LEFT OR RIGHT. THE GRUBBING DEPTH HAS BEEN ESTIMATED AS 6 INCHES IN FIELD AREAS AND 12 INCHES IN WOODED AREAS.

6. REMOVAL OF EXISTING PAVEMENT, WITHIN THE AREAS OF FULL DEPTH PAVEMENT AND FULL DEPTH RECONSTRUCTION, SHALL BE PAID FOR AS COMMON EXCAVATION. EXISTING PAVEMENT THICKNESS HAS BEEN ESTIMATED TO BE 10 INCHES.

7. GRANULAR BORROW SHALL BE USED TO BACKFILL MUCK EXCAVATION OR IN LOW WET AREAS TO 1' ABOVE WATER LEVEL OR OLD GROUND. GRANULAR BORROW SHALL MEET THE REQUIREMENTS OF GRANULAR BORROW-UNDERWATER BACKFILL AND WILL BE PAID FOR AS GRANULAR BORROW.

8. ALL FILL MATERIAL SHALL COME FROM COMMON EXCAVATION ON SITE. SURPLUS FILL MATERIAL FROM PHASE 1 SHALL BE STOCKPILED ON SITE AND USED DURING PHASE 2. STORING AND TRANSPORTING MATERIAL BETWEEN PHASES SHALL BE INCIDENTAL TO ITEM 203.20 COMMON EXCAVATION.

EROSION CONTROL

1. THE ANTICIPATED EROSION CONTROL DEVICE LOCATIONS ARE SHOWN ON THE PLANS. THE CONTRACTOR SHALL PROPOSE ACTUAL TYPE AND LOCATION OF DEVICES FOR APPROVAL BY THE RESIDENT. ADDITIONAL MEASURES MAY BE PROPOSED BY THE CONTRACTOR DUE TO SITE OR WEATHER CONDITIONS. THE RESIDENT MAY DIRECT THE CONTRACTOR TO IMPLEMENT ADDITIONAL MEASURES. ANY ADDITIONAL MEASURES APPROVED BY THE RESIDENT WILL BE MEASURED FOR PAYMENT UNDER THE APPROPRIATE BID ITEMS.

2. 4" LOAM HAS BEEN ESTIMATED FOR 100% OF THE DISTURBED SLOPE AREA. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS DESIGNATED BY THE RESIDENT.

3. UNLESS OTHERWISE NOTED, SEEDING METHOD NO. 1 SHALL BE UTILIZED ON ALL LAWNS AND DEVELOPED AREAS. SEEDING METHOD NO. 2 SHALL BE UTILIZED ON ALL OTHER AREAS.

4. MULCH SHALL BE APPLIED IN AREAS SEEDED EXCEPT WHERE EROSION CONTROL BLANKET IS SPECIFIED.

5. ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE ENVIRONMENTAL PROTECTION BEST MANAGEMENT PRACTICES.

6. TEMPORARY SEED SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL NOT BE SEEDED WITH FINAL SEED WITHIN 30 DAYS.

7. TEMPORARY EROSION CONTROL BLANKET, ITEM 613.319 SHALL BE INSTALLED IN ALL DITCHES AND SLOPES 2:1 AND STEEPER FROM THE TOP TO TOE OF SLOPE. LOAM AND SEED SHALL BE PLACED PRIOR TO THE INSTALLATION OF THE EROSION CONTROL BLANKET. LIMITS OF THE EROSION CONTROL BLANKET IN DITCHES SHALL BE 6' WIDE UNLESS OTHERWISE SPECIFIED ON THE PLANS OR AS DESIGNATED BY THE RESIDENT.

8. TEMPORARY STABILIZATION WITH MULCH OR OTHER NON-ERODIBLE COVER IS REQUIRED ON ALL EXPOSED SOILS THAT WILL NOT BE WORKED ON FOR MORE THAN 7 DAYS. AREAS WITHIN 75 FEET OF A WETLAND OR WATERBODY SHALL BE STABILIZED WITHIN 48 HOURS OF THE INITIAL DISTURBANCE OF THE SOIL OR PRIOR TO ANY STORM EVENT, WHICHEVER COMES FIRST.

9. TEMPORARY STONE CHECK DAMS SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE DEP BEST MANAGEMENT PRACTICES.

DRAINAGE

1. NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.

2. INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.

3. IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL.

4. ANY NECESSARY CORING OF EXISTING CATCH BASINS TO ACCEPT A PROPOSED PIPE WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCIDENTAL TO THE PROPOSED CULVERT ITEMS.

5. ANY NECESSARY CUTTING OF EXISTING PIPES TO FIT IN AREAS OF PROPOSED CATCH BASINS WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCIDENTAL TO THE PROPOSED CATCH BASIN ITEMS.

6. IF DIRECTED BY THE RESIDENT, EXISTING CATCH BASINS TO REMAIN SHALL BE CLEANED. PAYMENT WILL BE MADE UNDER ITEM 604.182 CLEANING EXISTING CATCH BASIN AND MANHOLE. EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT UNDER ITEM 631.32 CULVERT CLEANER (INCLUDING OPERATOR).

7. ALL DITCH ELEVATIONS AND OFFSETS SHOWN ON THE CROSS SECTIONS ARE FOR THE FINISHED DITCH FLOW LINE.

8. ONE GREEN DELINEATOR POST SHALL BE INSTALLED AT ALL UNDERDRAIN AND STORM DRAIN OUTLETS.

9. THE PROPOSED 36" CROSS CULVERT, SB-P22 SHALL BE INSTALLED PRIOR TO COMPLETION OF THE NEW SOUTHBOUND OFF RAMP.

10. CARE SHALL BE TAKEN WHEN WORKING NEAR CATCH BASINS TO ENSURE FOREIGN MATERIAL AND CONTAMINANTS DO NOT ENTER. IF FOREIGN MATERIAL AND/OR CONTAMINANTS DO ENTER THE BASIN THEY SHALL BE REMOVED PRIOR TO THE MATERIAL EXITING THE BASIN INTO A WATERWAY. REMOVAL SHALL BE COMPLETED TO THE SATISFACTION OF THE RESIDENT AND PAYMENT SHALL BE INCIDENTAL TO THE CONTRACT.

MAINTENANCE OF TRAFFIC

1. EXISTING SIGNS THAT CONFLICT WITH CONSTRUCTION WORK ZONE SIGNS SHALL BE COVERED UP.

2. CONTRACTOR MAY USE TEMPORARY PAVEMENT MARKING TAPE IN PLACE OF TEMPORARY MARKINGS DURING ALL PHASES OF CONSTRUCTION.

UTILITIES

1. EXISTING UTILITIES ON THESE PLANS WERE COMPILED FROM FIELD SURVEY AND VARIOUS OTHER SOURCES. LOCATIONS ARE NOT GUARANTEED TO BE ACCURATE NOR IS IT GUARANTEED THAT ALL UTILITIES ARE SHOWN. NO SEPARATE OR ADDITIONAL COMPENSATION WILL BE ALLOWED TO THE CONTRACTOR DUE TO ANY VARIANCE BETWEEN THE DATA SHOWN ON THE PLANS AND THE ACTUAL FIELD CONDITIONS ENCOUNTERED. NO WORK SHALL BE STARTED UNTIL THE OWNERS OF THE VARIOUS UTILITIES ARE NOTIFIED BY THE CONTRACTOR OF THE PROPOSED CONSTRUCTION. THE CONTRACTOR IS ALSO REQUIRED TO CALL DIG SAFE AT 1-888-344-7233 AT LEAST 72 HOURS PRIOR TO THE START OF THE WORK.

2. ALL UTILITY FACILITIES, EXCEPT UNTIL GAS, SHALL BE ADJUSTED BY THE CONTRACTOR UNLESS NOTED OTHERWISE. EACH UTILITY WILL NEED TO BE NOTIFIED A MINIMUM OF 10 DAYS PRIOR TO ANY WORK BEING DONE TO THEIR FACILITY.

3. THE UTILITIES INVOLVED IN THIS CONTRACT ARE:

- THE MAINE TURNPIKE AUTHORITY
- CHARTER COMMUNICATIONS
- CONSOLIDATED COMMUNICATIONS
- KENNEBUNK LIGHT & POWER DISTRICT
- KENNEBUNK, KENNEBUNKPORT, AND WELLS WATER DISTRICT
- KENNEBUNK SEWER DISTRICT
- TOWN OF KENNEBUNK
- MAINE DEPARTMENT OF TRANSPORTATION
- UNTIL

4. SEE SPECIFICATIONS FOR REQUIRED UTILITY COORDINATION.

5. UNLESS OTHERWISE NOTED OR APPROVED BY THE ENGINEER, THE CONTRACTOR SHALL MAINTAIN ALL EXISTING UTILITIES IN SERVICE AT ALL TIMES.

6. THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING UTILITY SERVICES. IF THE CONTRACTOR DAMAGES UTILITY SERVICES, HE SHALL IMMEDIATELY NOTIFY THE RESPECTIVE UTILITY COMPANY AND SHALL IMMEDIATELY REPLACE THEM AT HIS OWN EXPENSE.

7. THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 DAYS PRIOR TO CONSTRUCTION SO THE RESIDENT CAN ARRANGE FOR MAINE TURNPIKE UNDERGROUND UTILITY LOCATION. ALL PROPOSED SIGN LOCATIONS AND EXCAVATION LOCATIONS SHALL BE MARKED AT THE NOTIFICATION TIME. EXCAVATION WILL NOT BE PERMITTED UNTIL THE AUTHORITY HAS LOCATED AND MARKED THEIR UNDERGROUND UTILITIES, OR NOTIFIED THE RESIDENT THERE ARE NO UNDERGROUND UTILITIES IN THE MARKED AREAS. THE AUTHORITY HAS PROGRAMMED TWO FIELD VISITS FOR MAINE TURNPIKE UTILITY COORDINATION ON THIS PROJECT. SHOULD THE CONTRACTOR NEED ADDITIONAL SIGN LOCATIONS AND/OR ADDITIONAL EXCAVATION LOCATIONS MARKED, OR SHOULD THE CONTRACTOR FAIL TO MAINTAIN THE AUTHORITY'S PREVIOUSLY ESTABLISHED DIG SAFE MARKS, THE AUTHORITY SHALL DEDUCT COSTS MARKING COSTS FROM THE CONTRACTOR'S PAYMENTS.

8. WHERE PHYSICAL CONFLICTS EXIST BETWEEN EXISTING UTILITY MANHOLES AND THE PROPOSED UTILITIES, THE EXISTING MANHOLES SHALL BE ABANDONED, AS SHOWN OR INDICATED. IT SHALL BE THE RESPONSIBILITY OF THE CONTRACTOR TO SCHEDULE THE WORK ACTIVITIES TO ENABLE THE ABANDONMENT OF THESE MANHOLES, PRIOR TO INSTALLING THE PROPOSED UTILITIES.

9. AT ALL LOCATIONS WHERE PROPOSED UTILITIES ARE TO CONNECT TO EXISTING UTILITIES, AND PRIOR TO ORDERING MATERIALS, THE CONTRACTOR SHALL EXCAVATE A TEST PIT TO VERIFY THE EXISTING UTILITY'S CONFIGURATION, SIZE, NUMBER, MATERIAL, ELEVATION, AND ANY OTHER ASPECTS AND CONDITIONS THAT COULD IMPACT THE PROPOSED UTILITY CONNECTION. THE CONTRACTOR SHALL NOTIFY THE ENGINEER A MINIMUM 5-DAYS IN ADVANCE OF PERFORMING A TEST PIT. THE CONTRACTOR SHALL INFORM THE ENGINEER IMMEDIATELY OF ANY DISCREPANCIES. THE COST TO PERFORM THE TEST PIT SHALL BE CONSIDERED INCIDENTAL TO THE ASSOCIATED UTILITY WORK.

10. WHERE AN EXISTING UTILITY IS FOUND TO CONFLICT WITH THE PROPOSED WORK, THE LOCATION, ELEVATION AND SIZE OF THE UTILITY SHALL BE ACCURATELY DETERMINED WITHOUT DELAY BY THE CONTRACTOR AND THE INFORMATION FURNISHED TO THE ENGINEER FOR RESOLUTION OF THE CONFLICT.

11. ALL EXISTING PIPING AND STRUCTURES EXPOSED DURING EXCAVATION SHALL BE ADEQUATELY SUPPORTED, BRACED OR OTHERWISE PROTECTED DURING CONSTRUCTION ACTIVITIES.

12. THE CONTRACTOR SHALL EXERCISE EXTREME CARE WHEN EXCAVATING AND BACKFILLING NEAR EXISTING UTILITIES, INCLUDING THE USE OF HAND EXCAVATION WHERE NEEDED.

13. ALL UTILITY SURFACE CASTINGS (COVERS, GRATES, GATE BOXES, ETC.) TO REMAIN SHALL BE ADJUSTED TO THE NEW SURFACE GRADE AS REQUIRED, WHETHER OR NOT CALLED FOR ON THE PLANS. PAYMENT SHALL BE MADE UNDER APPROPRIATE CONTRACT PAY ITEMS.

14. WHERE THE PROPOSED WATER PIPING ALIGNMENT IS IN CONFLICT WITH EXISTING UTILITIES, DRAINS AND/OR OTHER OBSTRUCTIONS TO BE MAINTAINED, THE WATER MAIN ALIGNMENT, HORIZONTAL AND/OR VERTICAL, SHALL BE ADJUSTED USING APPROPRIATE FITTINGS AND RESTRAINED AS DIRECTED. IF POSSIBLE, THE WATER MAIN SHALL BE CONSTRUCTED OVER OBSTRUCTIONS.

15. CONTACT THE UTILITY COMPANIES EARLY ENOUGH TO ALLOW SUFFICIENT TIME FOR THE UTILITY COMPANIES TO ACCOMPLISH THE WORK THEY ARE REQUIRED TO PERFORM.

LIGHTING

1. SEE SHEET LGT-01 FOR LIGHTING NOTES

SEWER

1. PIPE TRANSITION NEAR VALVE STATION SHALL BE PERFORMED USING A 4" DUCTILE IRON TO 4" HDPE DRESSER COUPLING. DRESSER COUPLING SHALL BE AS MANUFACTURED BY EBAA IRON, INC., MODEL MEGA COUPLING, SERIES 3800, OR APPROVED EQUAL. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN PAY ITEM 801.1331.

2. THE CONTRACTOR SHALL PROVIDE A HDPE 4" TO 6" INCREASER FITTING. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN PAY ITEM 801.1331.

3. FLEXIBLE CONNECTOR SHALL BE A LINEAR EXPANSION JOINT. THE LINEAR EXPANSION JOINT SHALL BE AS MANUFACTURED BY EBAA IRON, INC., MODEL EX-TE-ND, SERIES 2016F2, OR APPROVED EQUAL. FINAL PLACEMENT OF THE FLEXIBLE CONNECTOR SHALL BE AS DIRECTED BY THE ENGINEER. PAYMENT FOR THIS WORK SHALL BE INCLUDED IN PAY ITEM 801.1331.

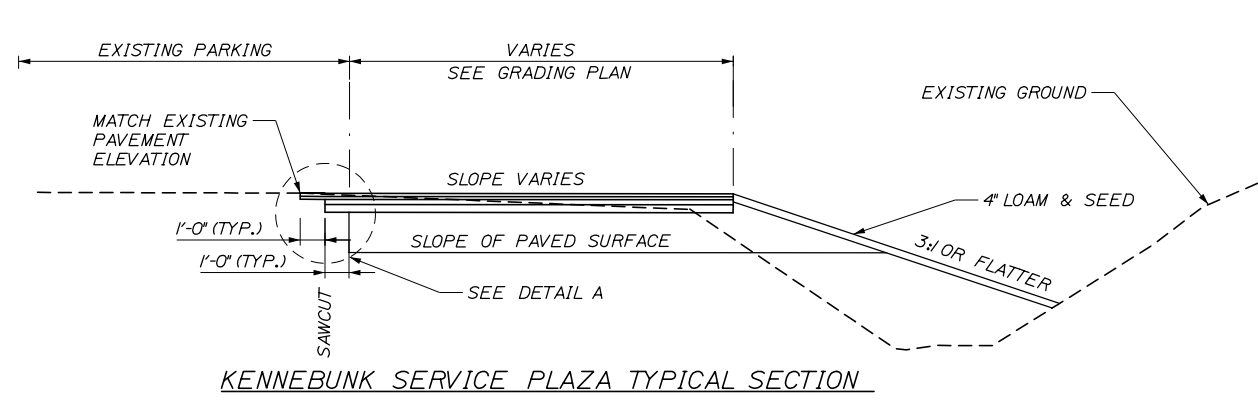
4. THE CONTRACTOR SHALL CONNECT NEW 6" HDPE PIPE TO EXISTING MANHOLE. ALL WORK ASSOCIATED WITH THIS CONNECTION SHALL BE INCLUDED IN PAY ITEM 801.1331.

Date: 10/24/2019

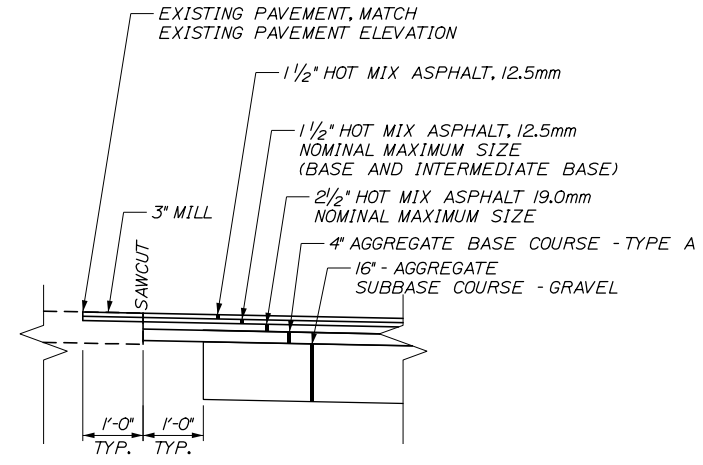
Filename: 00X_General Notes.dgn

Scale: NOT TO SCALE		Designed by: HNTB		HNTB CORPORATION 342 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909		 THE GOLD STAR MEMORIAL HIGHWAY		KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB GENERAL NOTES	
No.	Revision	By	Date	CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
				By	Date	By	Date		
				Designed	CDH 10\19	Checked	DSS 10\19		
				Drawn	CDH 10\19	In Charge of	RAL 10\19		
						MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.		CONTRACT: 2019.02	
								SHEET NUMBER: GN-01 4 OF 158	

Date:10/23/2019



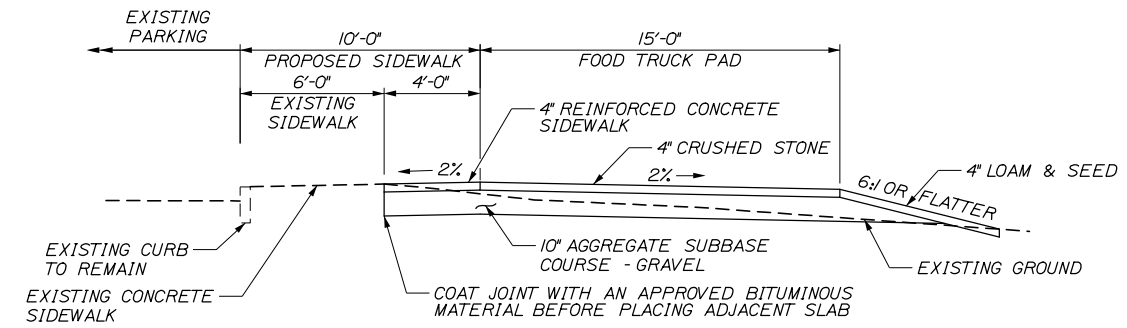
KENNEBUNK SERVICE PLAZA TYPICAL SECTION



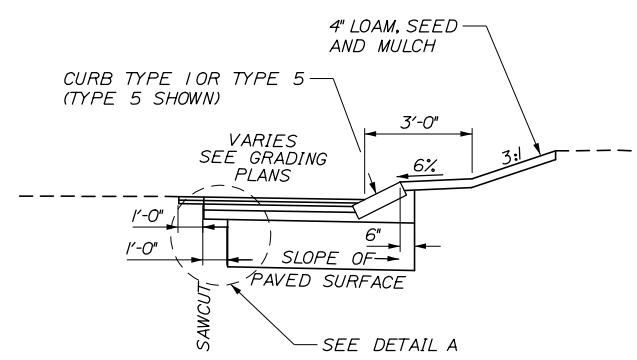
DETAIL A

NOTES

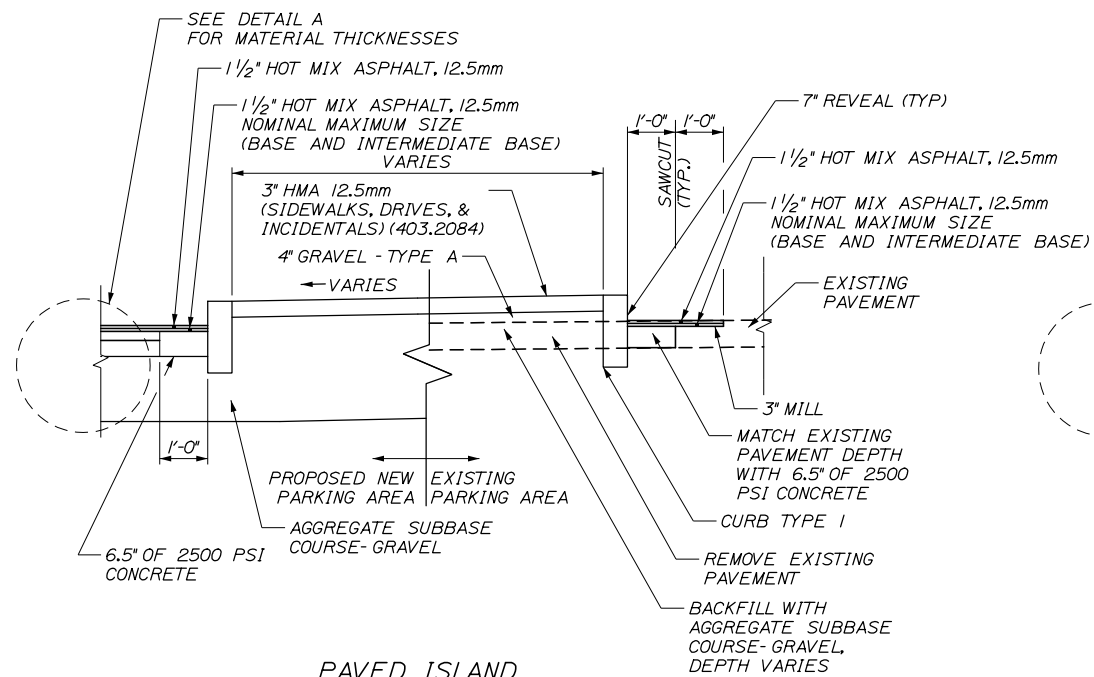
1. THE PAVEMENT, BASE DEPTHS AND CROSS SLOPES AS SHOWN ON THE PLANS ARE INTENDED TO BE NOMINAL.
2. WHEN SUPERELEVATION EXCEEDS 4%, LOW SIDE SHOULDER SHALL HAVE THE SAME SLOPE AS THE TRAVEL LANE.
3. *"ROLLOVER" ALGEBRAIC DIFFERENCE IN RATES OF CROSS SLOPE SHALL NOT EXCEED 8%.
4. CROWNS FOR BOTH THE SUPERELEVATED AND NORMAL SECTIONS FOR ALL COURSES OF SUBBASE AND PAVEMENT SHALL BE STRAIGHT.
5. A COATING OF HOT RUBBERIZED ASPHALT SHALL BE APPLIED TO SURFACE LAYER OF ALL SAWCUT AND PAVEMENT JOINTS PRIOR TO PAVING. BITUMINOUS TACK COAT SHALL BE APPLIED TO ALL OTHER VERTICAL SURFACES. PAYMENT SHALL BE INCIDENTAL TO THE PAVEMENT ITEMS.
6. BITUMINOUS TACK COAT IS REQUIRED BETWEEN ALL LIFTS OF PAVEMENT, AS DIRECTED BY THE RESIDENT. BITUMINOUS TACK COAT IS REQUIRED ON ALL EXISTING PAVED OR MILLED SURFACES PRIOR TO PLACING PROPOSED PAVEMENT.
7. CONSTRUCT 20' TRANSITION FOR AGGREGATE COURSE DEPTHS FROM RAMP ADJACENT TO TURNPIKE TO RAMP PROPER.



FOOD TRUCK PAD & SIDEWALK DETAIL

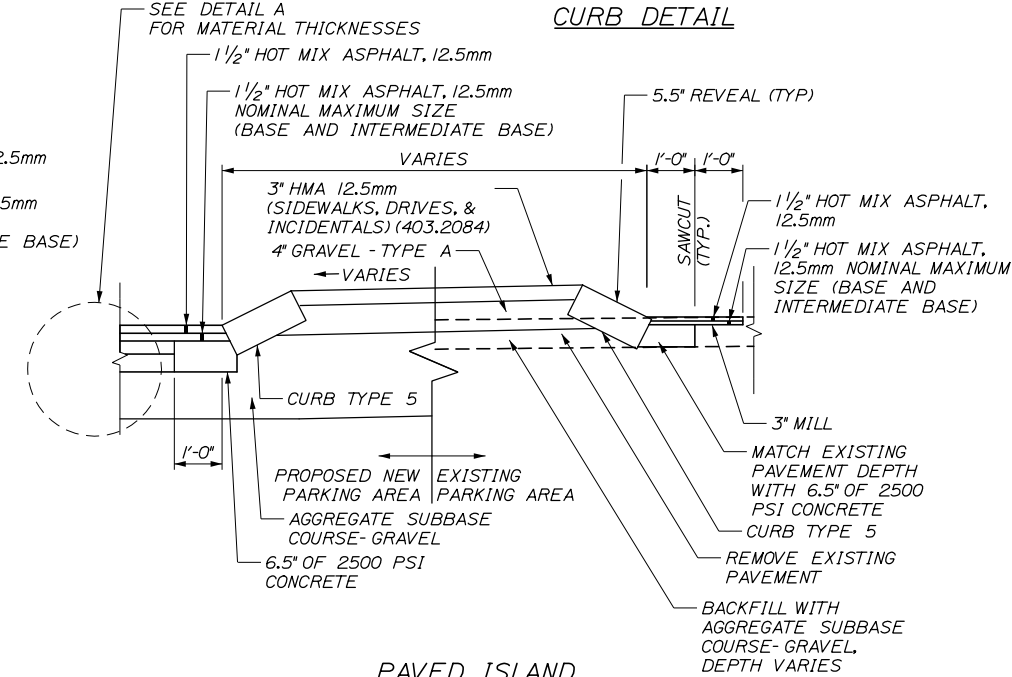


SERVICE PLAZA CURB DETAIL



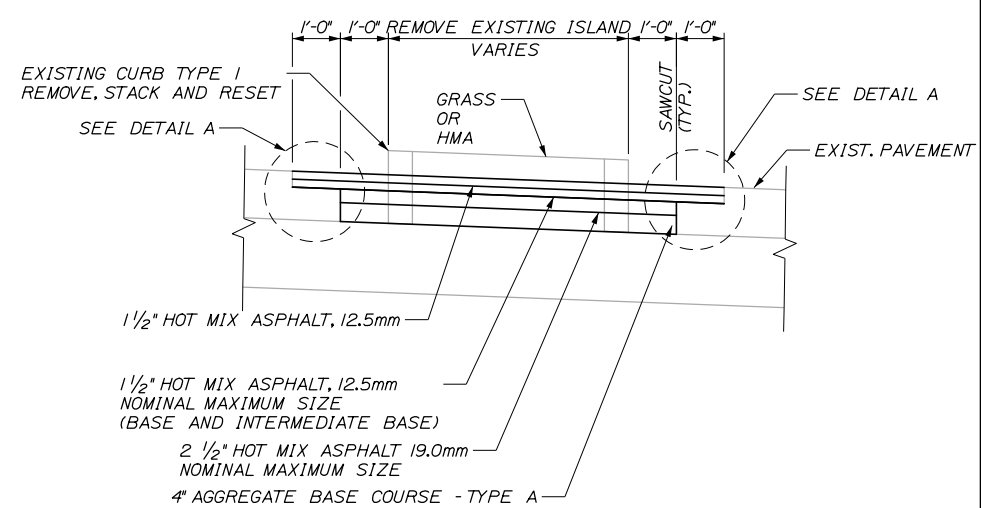
PAVED ISLAND W/ TYPE 1 CURB

NOTE: CONCRETE FOR CURB INSTALLATION SHALL BE INCIDENTAL TO CURB PAY ITEMS.



PAVED ISLAND W/ TYPE 5 CURB

NOTE: CONCRETE FOR CURB INSTALLATION SHALL BE INCIDENTAL TO CURB PAY ITEMS.




REMOVAL OF EXISTING CURBED ISLAND

Filename: 00X_Typical Sections 1.dgn

Scale:			
NOT TO SCALE			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
	By	Date	
	By	Date	
	By	Date	
	By	Date	

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THE GOLD STAR MEMORIAL HIGHWAY

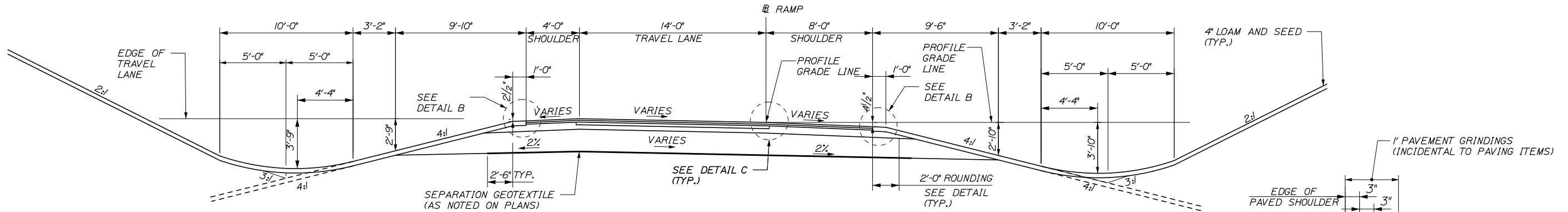
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

TYPICAL SECTIONS 1 OF 4

SHEET NUMBER: TS-01
 CONTRACT:2019.02
 5 OF 158

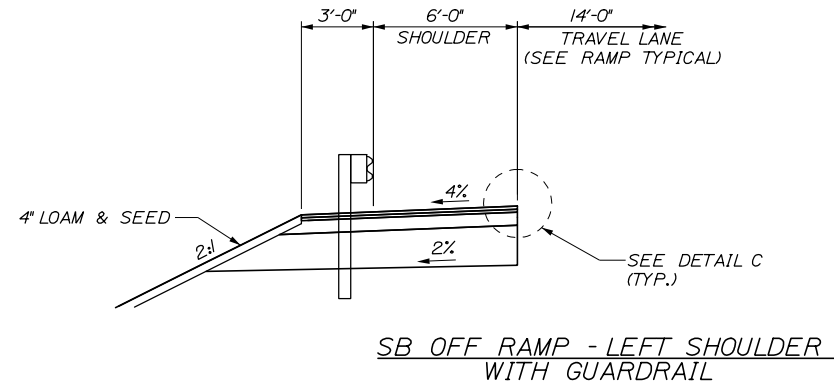
Date:10/23/2019



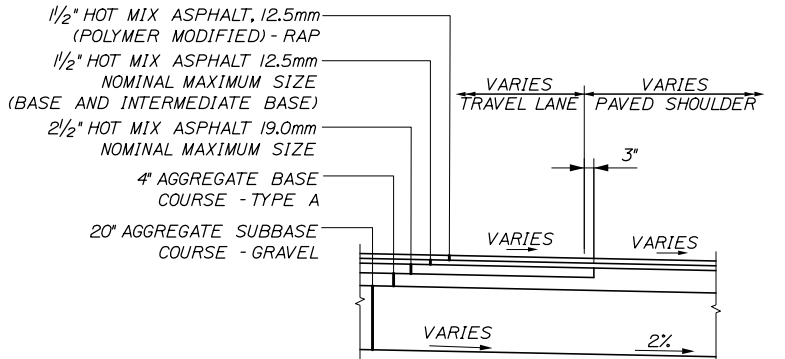
NORTHBOUND AND SOUTHBOUND ON/OFF RAMP
RAMP - 1 LANE
SUPERELEVATION TABLE

LEFT SHOULDER	TRAVELWAY	STATION	RIGHT SHOULDER
SB OFF RAMP			
N/A	N/A	350+00.00	-4.0%
N/A	3.0%	350+50.00	-4.0%
N/A	3.0%	351+00.00	-4.0%
N/A	3.0%	351+50.00	-4.0%
N/A	3.0%	352+00.00	-4.0%
3.0%	3.7%	352+50.00	-4.0%
3.0%	4.4%	353+00.00	-4.0%
2.6%	4.4%	353+50.00	-4.4%
0.6%	4.4%	354+00.00	-4.4%
-1.4%	4.4%	354+50.00	-4.4%
-2.0%	4.4%	355+00.00	-4.4%
-	-	TO	-
-2.0%	4.4%	356+50.00	-4.4%
-4.0%	3.0%	357+00.00	-4.0%
-4.0%	1.5%	357+50.00	-4.0%
-4.0%	-0.1%	358+00.00	-4.0%
-4.0%	-1.3%	358+50.00	-4.0%
-4.0%	-2.7%	359+00.00	-4.0%
-4.2%	-4.2%	359+50.00	-2.0%
-5.6%	-5.6%	360+00.00	-2.0%
-	-	TO	-
-5.6%	-5.6%	361+00.00	-2.0%
-4.7%	-4.7%	361+50.00	-2.0%
-4.0%	-3.8%	362+00.00	-4.0%
-4.0%	-2.9%	362+50.00	-4.0%
-4.0%	-2.0%	363+00.00	-4.0%
-	-	TO	-
-4.0%	-2.0%	365+00.00	-4.0%
MATCH EXIST.	MATCH EXIST.	365+50.00	MATCH EXIST.

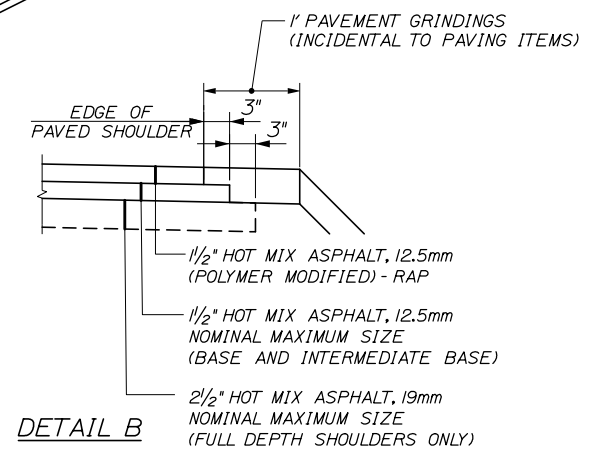
LEFT SHOULDER	TRAVELWAY	STATION	RIGHT SHOULDER
NB ON RAMP			
-4.0%	3.4%	403+00.00	3.0%
-4.0%	3.7%	403+50.00	3.0%
-5.2%	5.2%	404+00.00	2.1%
-5.2%	5.2%	404+50.00	1.5%
-5.2%	5.2%	405+00.00	-0.2%
-5.2%	5.2%	405+50.00	-2.0%
-	-	TO	-
-5.2%	5.2%	406+50.00	-2.0%
-4.0%	3.6%	407+00.00	-4.0%
-4.0%	2.0%	407+50.00	-4.0%
-	-	TO	-
-4.0%	2.0%	409+00.00	-4.0%
-4.0%	0.3%	409+50.00	-4.0%
-4.0%	-1.4%	410+00.00	-4.0%
-4.0%	-3.0%	410+50.00	-4.0%
-2.0%	-4.6%	411+00.00	-4.6%
-	-	TO	-
-2.0%	-4.6%	415+50.00	-4.6%
-4.0%	-3.1%	416+00.00	-4.0%
-4.0%	-2.0%	416+50.00	-4.0%
MATCH EXIST.	MATCH EXIST.	417+00.00	MATCH EXIST.



SB OFF RAMP - LEFT SHOULDER WITH GUARDRAIL

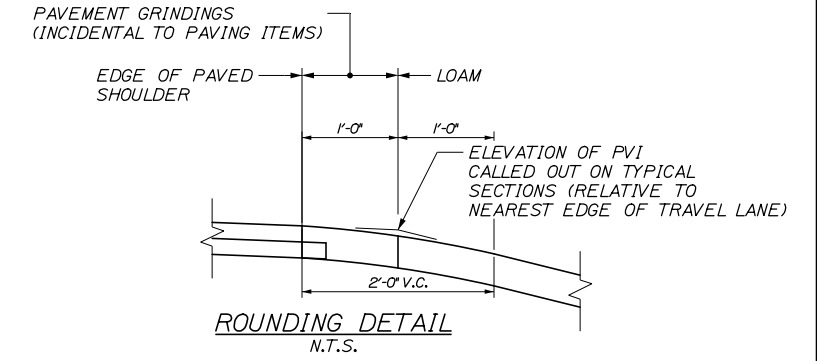


DETAIL C

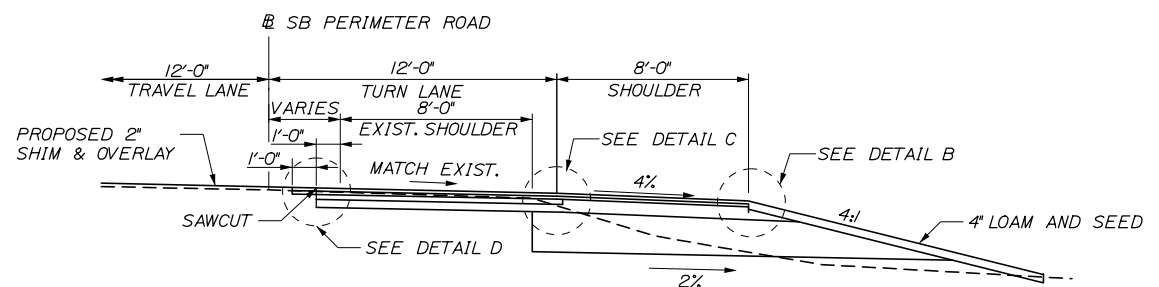


DETAIL B

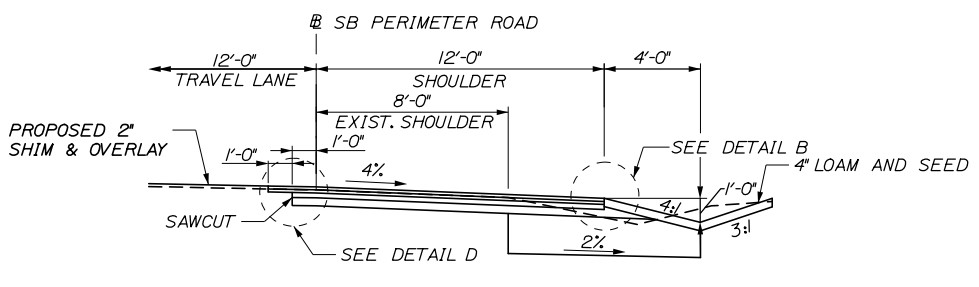
DETAIL B NOTE:
THE 2 1/2" LIFT OF 19.0 MM HOT MIX ASPHALT SHALL EXTEND TO THE EDGE OF SHOULDER OR FACE OF GUARDRAIL ON THE INSIDE OF RAMP CURVES AS NOTED ON THE CROSS SECTIONS.



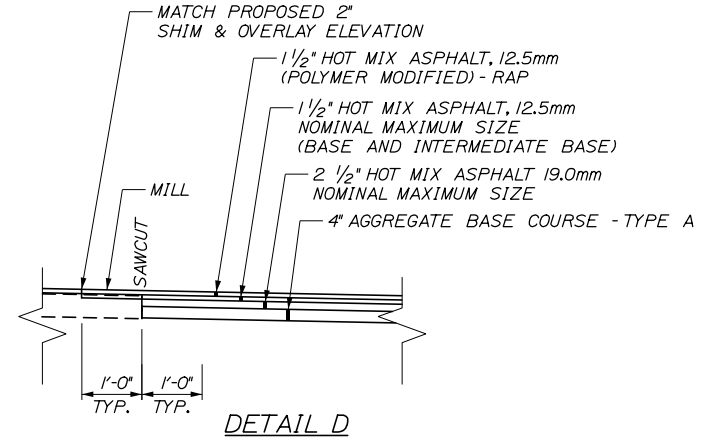
ROUNDING DETAIL N.T.S.



SOUTHBOUND PERIMETER ROAD WIDENING
RIGHT TURN POCKET EXTENSION
STA. 375+00.00 TO STA. 380+00.00



SOUTHBOUND PERIMETER ROAD SHOULDER WIDENING
STA. 367+94.00 TO STA. 371+00.00



DETAIL D

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

By	Date	Checked	By	Date
PEM	10\19	DSS	DSS	10\19
EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

TYPICAL SECTIONS 2 OF 4

SHEET NUMBER: TS-02

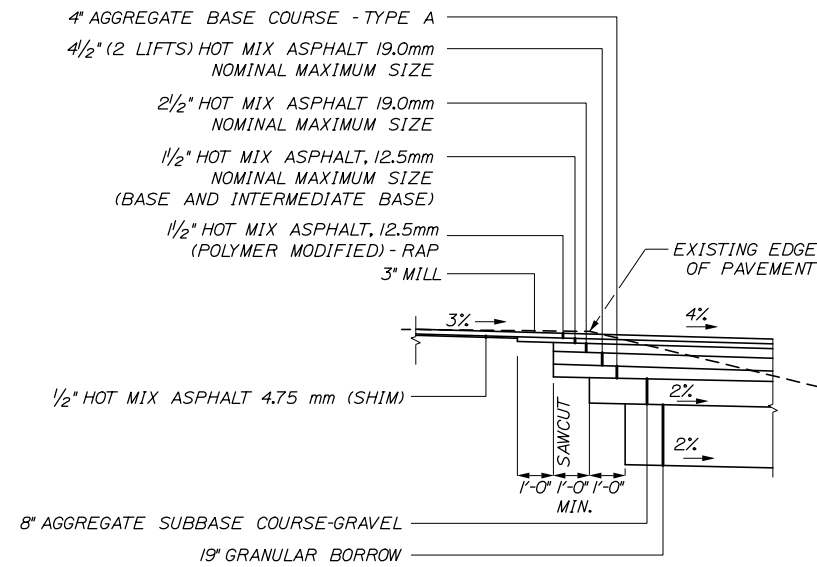
CONTRACT:2019.02

6 OF 158

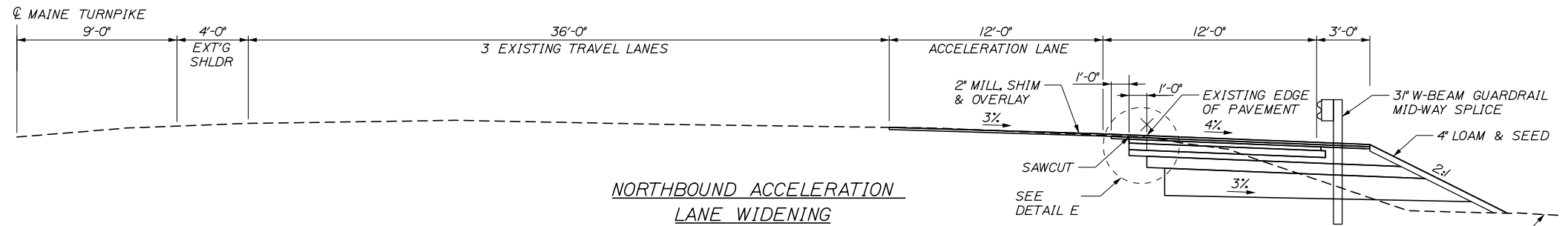
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Date: 10/23/2019

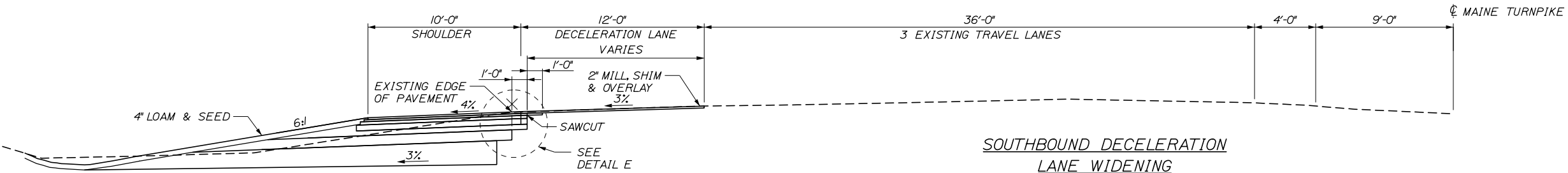
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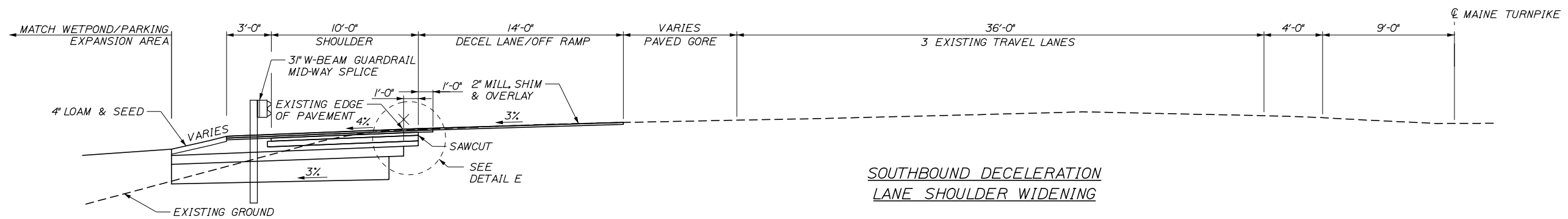
DETAIL E



NORTHBOUND ACCELERATION LANE WIDENING



SOUTHBOUND DECELERATION LANE WIDENING



SOUTHBOUND DECELERATION LANE SHOULDER WIDENING

Scale: NOT TO SCALE

Designed by:



HNTB CORPORATION
340 County Road, Suite 6-C
Westbrook, ME 04092
TEL (207) 774-5155
FAX (207) 228-0909



THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

TYPICAL SECTIONS 3 OF 4

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
	PEM	10\19	Checked	DSS	10\19
	Drawn	EPR	10\19	In Charge of	RAL
					10\19

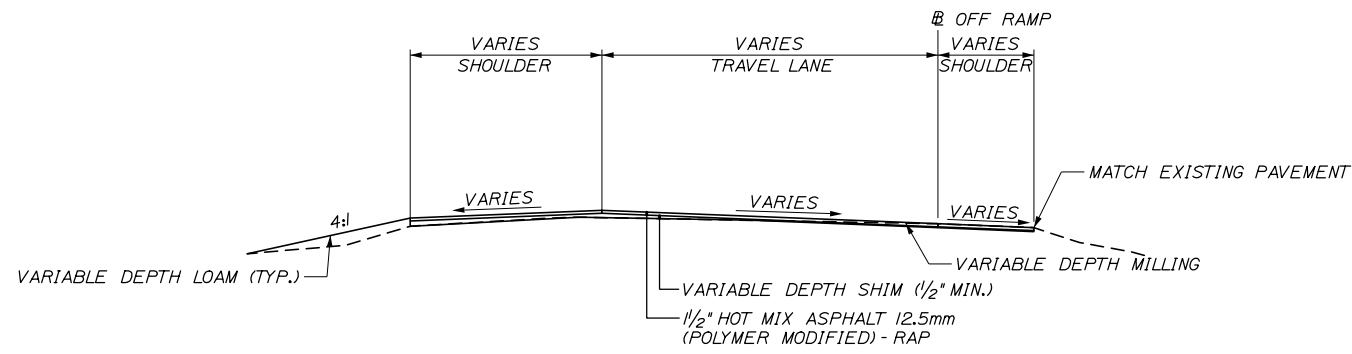
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

SHEET NUMBER: TS-03

7 OF 158

Date:10/23/2019

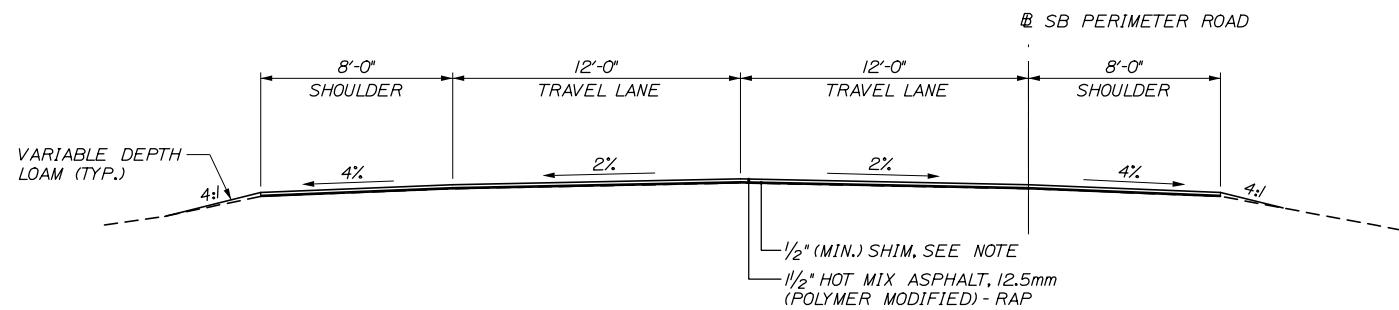


NORTHBOUND OFF RAMP - SUPERELEVATED

NORTHBOUND OFF RAMP SUPERELEVATION TABLE

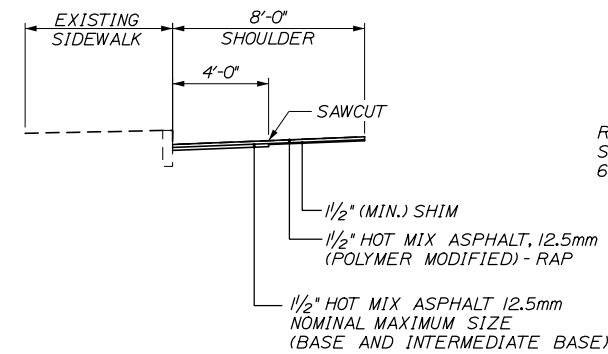
LEFT SHOULDER	TRAVELWAY	STATION	RIGHT SHOULDER
NB OFF RAMP			
MATCH EXIST.	MATCH EXIST.	450+50.00	MATCH EXIST.
-3.2%	3.2%	451+00.00	-3.2%
-1.2%	5.2%	451+50.00	-5.2%
0.4%	6.0%	451+72.00	-6.0%
-0.8%	6.0%	452+00.00	-6.0%
-2.0%	6.0%	452+31.00	-6.0%
-2.0%	6.0%	452+50.00	-6.0%
-2.0%	6.0%	453+00.00	-6.0%
-2.0%	6.0%	453+20.00	-6.0%
-3.1%	6.0%	453+48.00	-6.0%
-3.2%	5.8%	453+50.00	-6.0%
-5.2%*	3.4%*	454+00.00	-5.0%*
MATCH**	2.0%*	454+50.00	-4.2%*
MATCH**	MATCH**	455+00.00	MATCH**

*MATCH EXISTING RAMP
**MATCH NB PERIMETER RD. OVERLAY

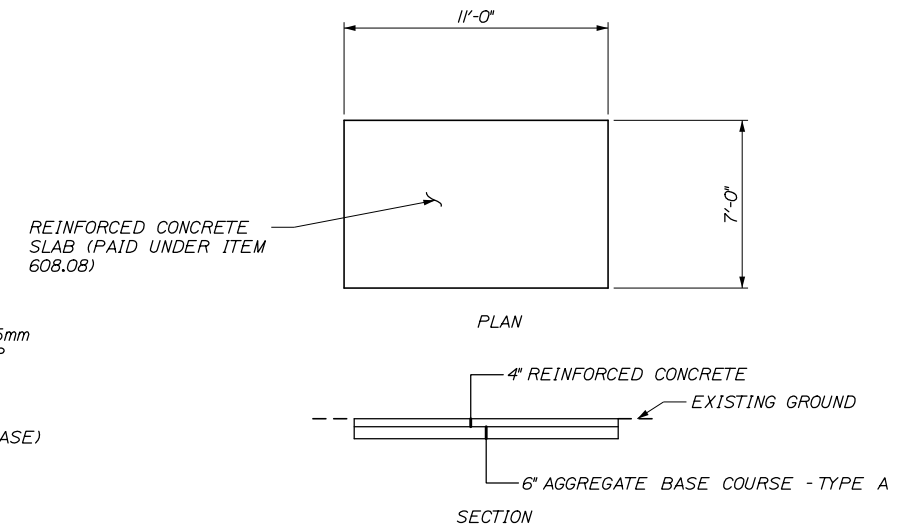


SOUTHBOUND PERIMETER ROAD - SHIM & OVERLAY

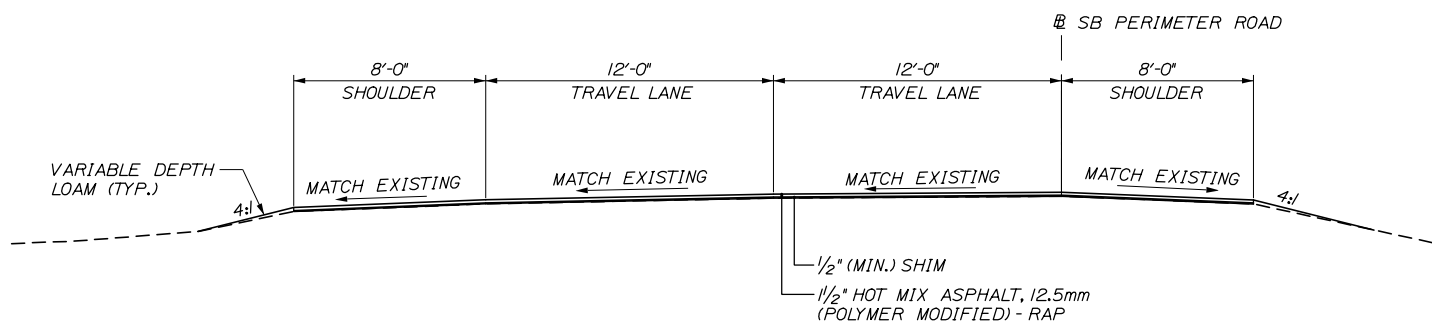
NOTE
POTHoles SHALL BE SPOT SHIMMED PRIOR TO SHIMMING FULL ROADWAY



CURBED SHOULDER REPAIR
SOUTHBOUND PLAZA, STA. 369+59 TO 371+31
SEE SHIM & OVERLAY DETAIL FOR FINAL PAVEMENT TREATMENT



THE PICNIC TABLE SLAB REINFORCING SHALL BE 6" X 6" - W1.4 X W1.4 WELDED STEEL WIRE FABRIC PLACED AT MID-HEIGHT OF THE SLAB WITH 3" CLEAR AT THE EDGES. WOVEN WIRE FABRIC SHALL BE UNCOATED AND IN ACCORDANCE WITH MAINEDOT STANDARD SPECIFICATION 503.




PERIMETER ROAD - SHIM & OVERLAY, SUPERELEVATED
SOUTHBOUND SHOWN, NORTHBOUND ROAD IS MIRRORED

Filename: 00X_Typical Sections 4.dgn

Scale:			
NOT TO SCALE			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
	By	Date	
	PEM	10\19	
	Checked	DSS	10\19
	By	Date	
	Drawn	EPR	10\19
	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

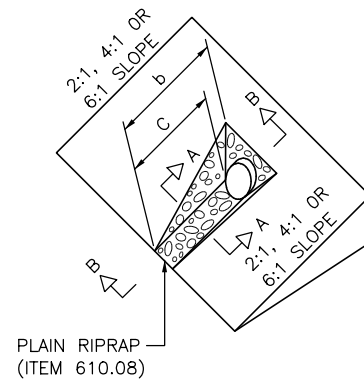
TYPICAL SECTIONS 4 OF 4

SHEET NUMBER: TS-04
CONTRACT:2019.02
8 OF 158

Date:10/23/2019

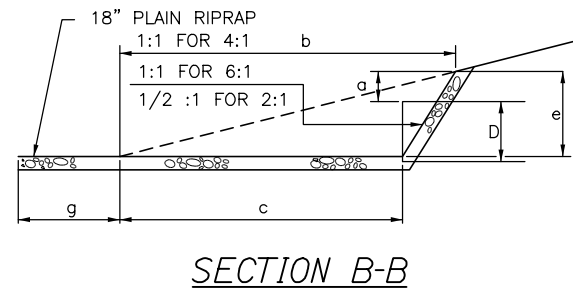
DIMENSIONS FOR SLOPE OF 2:1

D	a (FT)	b (FT)	c (FT)	e (FT)	f (FT)	g (FT)	STONE DEPTH (FT)	STONE (CY)
12"	1.00	4.00	3.00	2.00	6.00	1.00	1.50	1.30
15"	1.00	4.50	3.37	2.25	6.75	1.63	1.50	1.70
18"	1.00	5.00	3.75	2.50	7.50	2.25	1.50	2.09
21"	1.00	5.50	4.13	2.75	8.25	2.88	1.50	2.58
24"	1.00	6.00	4.50	3.00	9.00	3.50	1.50	3.12
30"	1.00	7.00	5.25	3.50	10.50	4.75	1.50	4.33
36"	1.00	8.00	6.00	4.00	12.00	6.00	1.50	5.75
42"	1.00	9.00	6.75	4.50	13.50	7.25	1.50	7.37
48"	1.00	10.00	7.50	5.00	15.00	8.50	1.50	9.18
54"	1.00	11.00	8.25	5.50	16.50	9.75	1.50	11.19
60"	1.00	12.00	9.00	6.00	18.00	11.00	1.50	13.40
66"	1.00	13.00	9.75	6.50	19.50	12.25	1.50	15.81
72"	1.00	14.00	10.50	7.00	21.00	13.50	1.50	18.41
84"	1.00	16.00	12.00	8.00	24.00	16.00	1.50	24.22



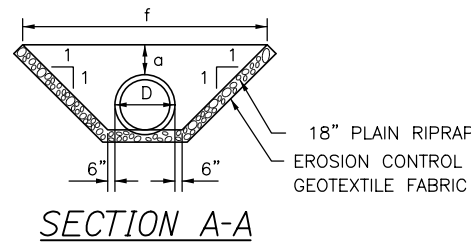
DIMENSIONS FOR SLOPE OF 4:1

D	a (FT)	b (FT)	c (FT)	e (FT)	f (FT)	g (FT)	STONE DEPTH (FT)	STONE (CY)
12"	1.00	8.00	6.00	2.00	6.00	0.00	1.50	2.20
15"	1.00	9.00	6.75	2.25	6.75	0.00	1.50	2.80
18"	1.00	10.00	7.50	2.50	7.50	0.00	1.50	3.40
21"	1.00	11.00	8.25	2.75	8.25	0.00	1.50	4.10
24"	1.00	12.00	9.00	3.00	9.00	0.00	1.50	4.86
30"	1.00	14.00	10.50	3.50	10.50	0.00	1.50	6.58
36"	1.00	16.00	12.00	4.00	12.00	0.00	1.50	8.56
42"	1.00	18.00	13.50	4.50	13.50	0.50	1.50	10.92
48"	1.00	20.00	15.00	5.00	15.00	1.00	1.50	13.57
54"	1.00	22.00	16.50	5.50	16.50	1.50	1.50	16.50
60"	1.00	24.00	18.00	6.00	18.00	2.00	1.50	19.72
66"	1.00	26.00	19.50	6.50	19.50	2.50	1.50	23.22
72"	1.00	28.00	21.00	7.00	21.00	3.00	1.50	27.01
84"	1.00	32.00	24.00	8.00	24.00	4.00	1.50	35.45



DIMENSIONS FOR SLOPE OF 6:1

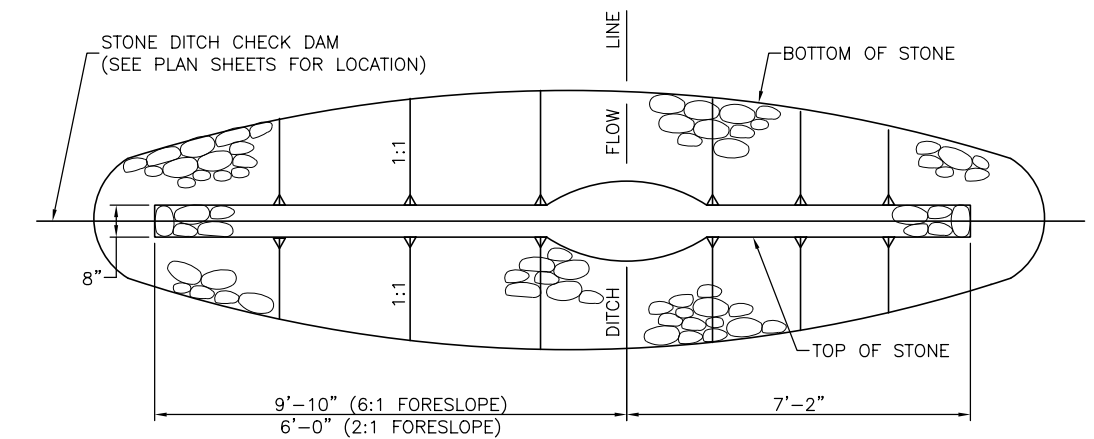
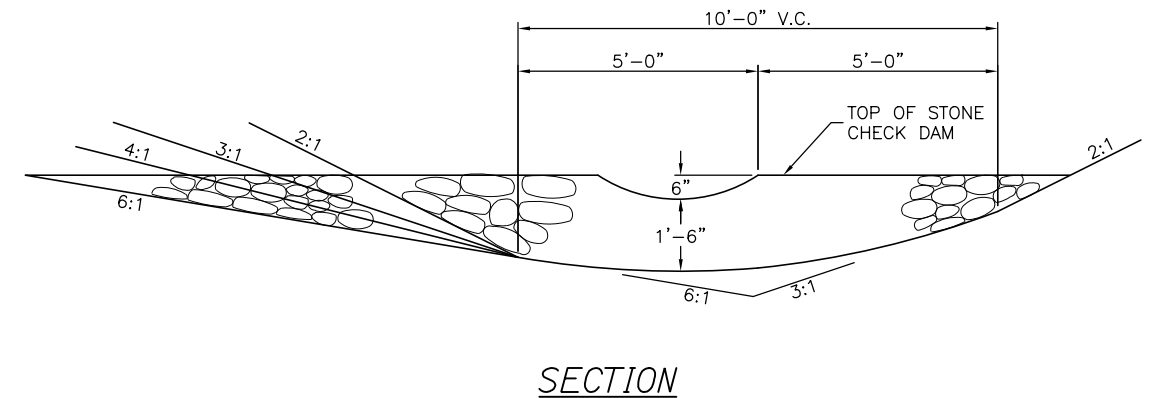
D	a (FT)	b (FT)	c (FT)	e (FT)	f (FT)	g (FT)	STONE DEPTH (FT)	STONE (CY)
12"	0.50	9.00	7.50	1.50	4.50	0.00	1.50	2.30
15"	0.50	10.50	8.75	1.75	5.50	0.00	1.50	2.93
18"	0.50	12.00	10.00	2.00	6.50	0.00	1.50	3.57
21"	0.50	13.50	11.25	2.25	7.25	0.00	1.50	4.46
24"	0.50	15.00	12.50	2.50	8.00	0.00	1.50	5.44
30"	0.50	18.00	15.00	3.00	9.50	0.00	1.50	7.71
36"	0.50	21.00	17.50	3.50	11.00	0.00	1.50	10.37
42"	0.50	24.00	20.00	4.00	12.50	0.00	1.50	13.42
48"	0.50	27.00	22.50	4.50	14.00	0.00	1.50	16.87
54"	0.50	30.00	25.00	5.00	15.50	0.00	1.50	20.70
60"	0.50	33.00	27.50	5.50	17.00	0.00	1.50	24.93
66"	0.50	36.00	30.00	6.00	18.50	0.00	1.50	29.55
72"	0.50	39.00	32.50	6.50	20.00	0.00	1.50	34.56
84"	0.50	45.00	37.50	7.50	23.00	0.00	1.50	45.76



ROADWAY CULVERT END SLOPE TREATMENT

NOTES:

1. THE DIMENSIONS SHOWN ARE APPROXIMATE AND MAY BE MODIFIED BY THE RESIDENT.
2. STONE QUANTITIES ARE FOR ONE END OF THE PIPE.



STONE CHECK DAM
1" = 2'-0"

FORESLOPE	BACKSLOPE	QUANTITY C.Y. STONE
6:1	3:1	2.5
4:1	3:1	2.5
3:1	3:1	2.0
2:1	3:1	2.0

NOTES:


1. STONE FOR TEMPORARY AND PERMANENT STONE CHECK DAMS SHALL MEET THE REQUIREMENTS OF MDOT SPECIFICATION 703.29, STONE DITCH PROTECTION.
2. TEMPORARY STONE CHECK DAMS WILL BE PAID FOR UNDER ITEM 610.181.

Filename: 00X_Erosion Control Details.dgn

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
	By	Date	
	CDH	10\19	
	Checked	JRH	10\19
	Drawn	CDH	10\19
	In Charge of	RAL	10\19

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THE GOLD STAR MEMORIAL HIGHWAY

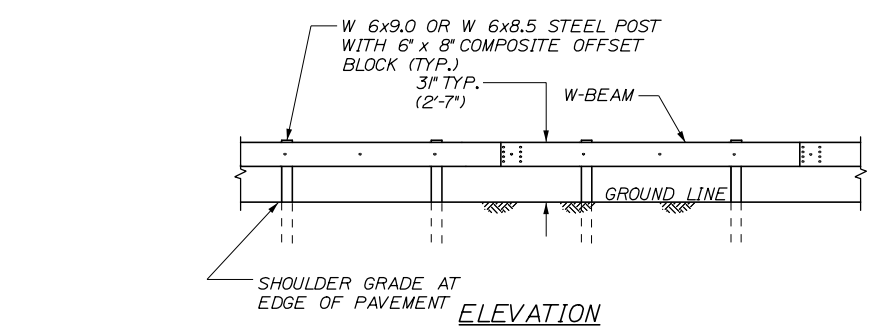
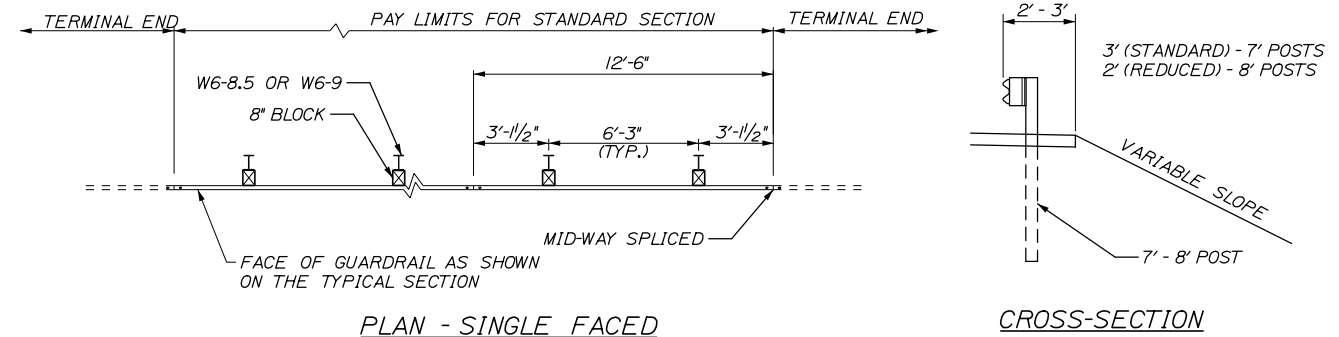
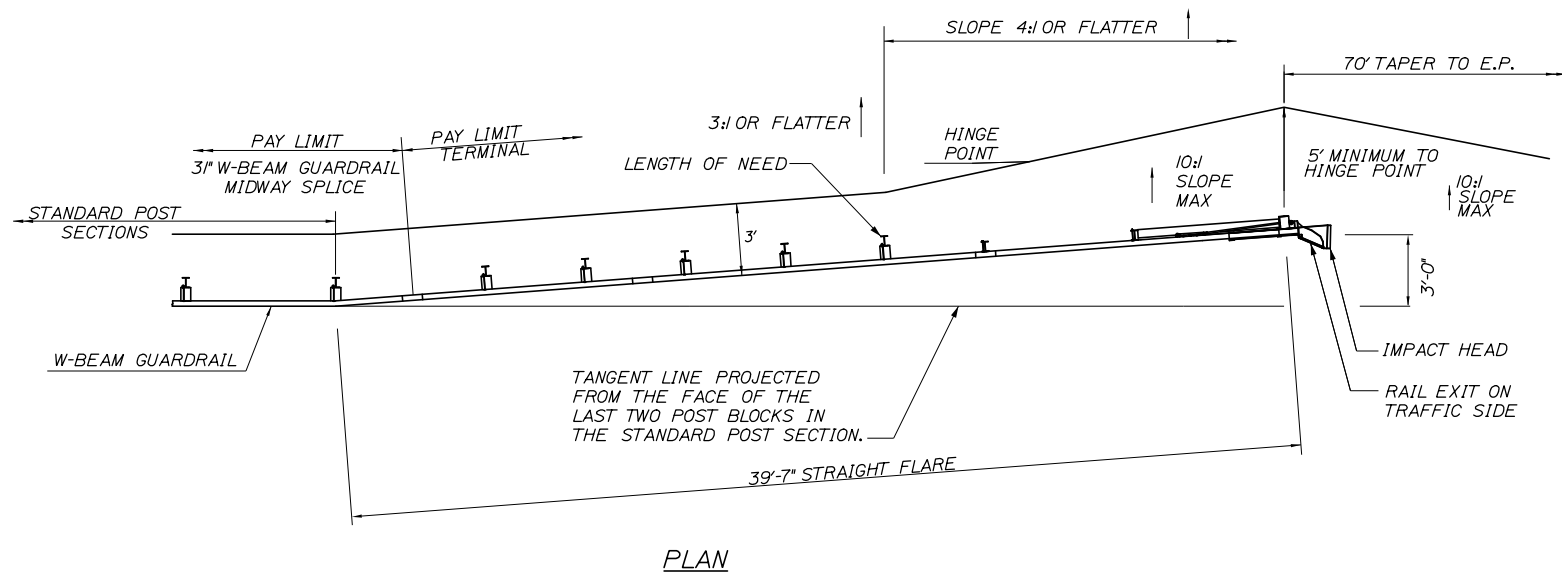
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

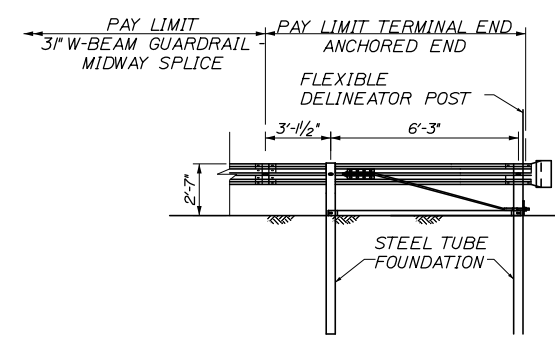
EROSION CONTROL DETAILS I

SHEET NUMBER: CD-01
CONTRACT:2019.02
9 OF 158

Date: 10/23/2019

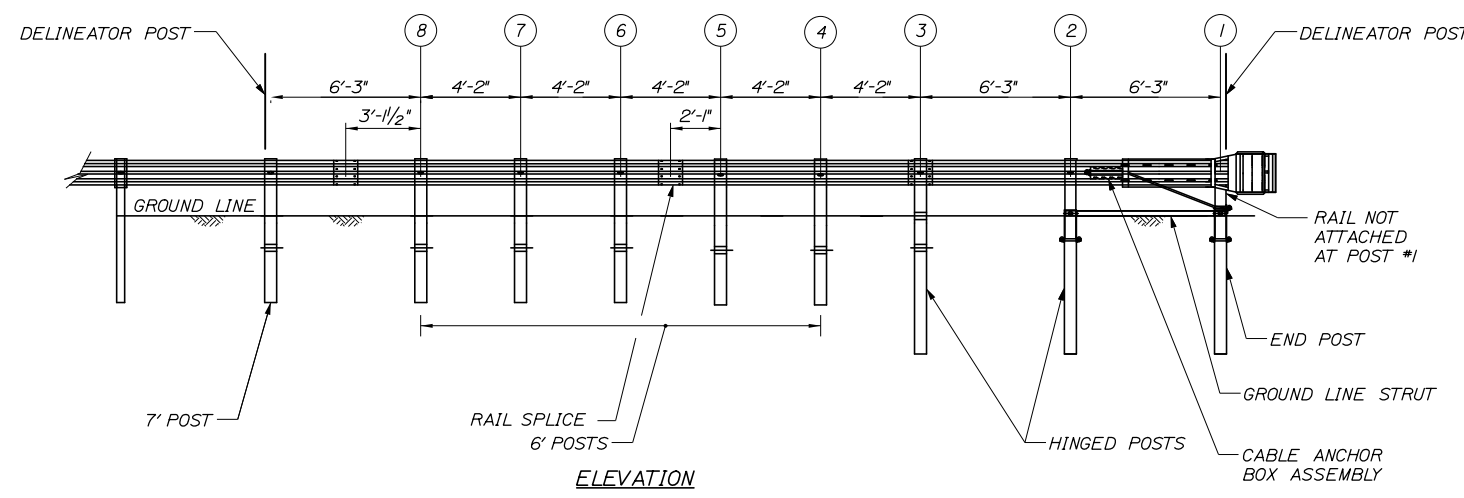


3" W-BEAM GUARDRAIL - MID-WAY SPLICE (8" OFFSET BLOCKS)
NOT TO SCALE



TERMINAL END - ANCHORED END - 3" W-BEAM GUARDRAIL
NOT TO SCALE

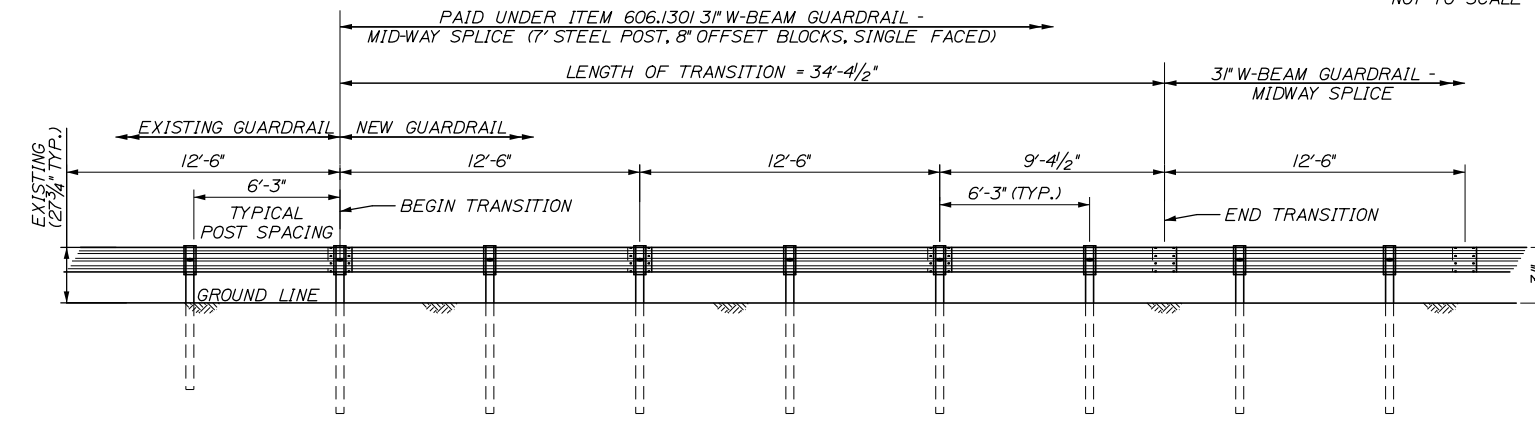
NOTES:
1. THIS DETAIL MODIFIES THE SEW31 DRAWING SUCH THAT W-BEAM DOES NOT EXTEND BEYOND THE LAST GUARDRAIL POST. THE RWM14a W-BEAM PANEL SHALL HAVE A LENGTH OF 9'-4 1/2" MEASURED FROM THE CENTER OF THE MIDWAY SPLICE TO THE CENTER OF THE LAST GUARDRAIL POST.



3" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL
NOT TO SCALE

GENERAL GUARDRAIL INSTALLATION NOTES:

1. THE CONTRACTOR SHALL FOLLOW ALL MANUFACTURER'S INSTALLATION INSTRUCTIONS FOR THE INSTALLATION OF ALL GUARDRAIL COMPONENTS TO BE INSTALLED. THE CONTRACTOR SHALL NOTIFY THE RESIDENT ENGINEER OF ANY CONFLICTS OR IRREGULARITIES BETWEEN THE MANUFACTURER'S INSTALLATION INSTRUCTIONS AND THE CONTRACT DOCUMENTS.
2. THE CONTRACTOR IS REQUIRED TO HAVE AN APPROVED CRASH END TREATMENT ON ALL GUARDRAIL ENDS PRIOR TO THE REMOVAL OF ANY MOT FEATURES.
3. GUARDRAIL HEIGHT SHALL BE 3". GUARDRAIL HEIGHT SHALL BE MEASURED FROM AT GROUND ELEVATION ADJACENT TO EACH POST.
4. THE CONTRACTOR SHALL REMOVE AND DISPOSE OF ALL CUT BOLTS, DISCARD PARTS, TRASH, PAVEMENT DEBRIS, ETC., AFTER COMPLETING THE GUARDRAIL INSTALLATION.
5. CONNECTION FOR PROPOSED RAIL TO EXISTING RAIL SHALL BE INCIDENTAL TO THE PROPOSED GUARDRAIL ITEMS.
6. TERMINAL UNIT SHALL BE MFLAAT AND MASH CERTIFIED AS MANUFACTURED BY ROAD SYSTEMS INC.
7. SEE SPECIFICATIONS FOR REFLECTIVE SHEETING REQUIREMENTS.



TRANSITION FROM EXISTING GUARDRAIL TO 3" MID-WAY SPLICED GUARDRAIL
NOT TO SCALE


TRANSITION FROM EXISTING GUARDRAIL NOTES:
1. MAINTAIN STANDARD 1" CLEARANCE OF POST ABOVE PANEL THROUGHOUT THE ENTIRE LENGTH OF TRANSITION.
2. A MINIMUM OF ONE (1) 12'-6" PANEL SHALL BE PLACED BETWEEN THIS TRANSITION AND THE START OF ANY END TREATMENT OR ANCHORAGE.
3. ALL NEW POSTS SHALL BE 84" IN LENGTH UNLESS OTHERWISE SPECIFIED BY THE ENGINEER.

Filename: 00X_GuardrailDetails.dgn

Scale: NOT TO SCALE				
No.	Revision	By	Date	

Designed by:				
HNTB				
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.				
	By	Date		
	CDH	10\19	Checked	DSS 10\19
	CDH	10\19	In Charge of	RAL 10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

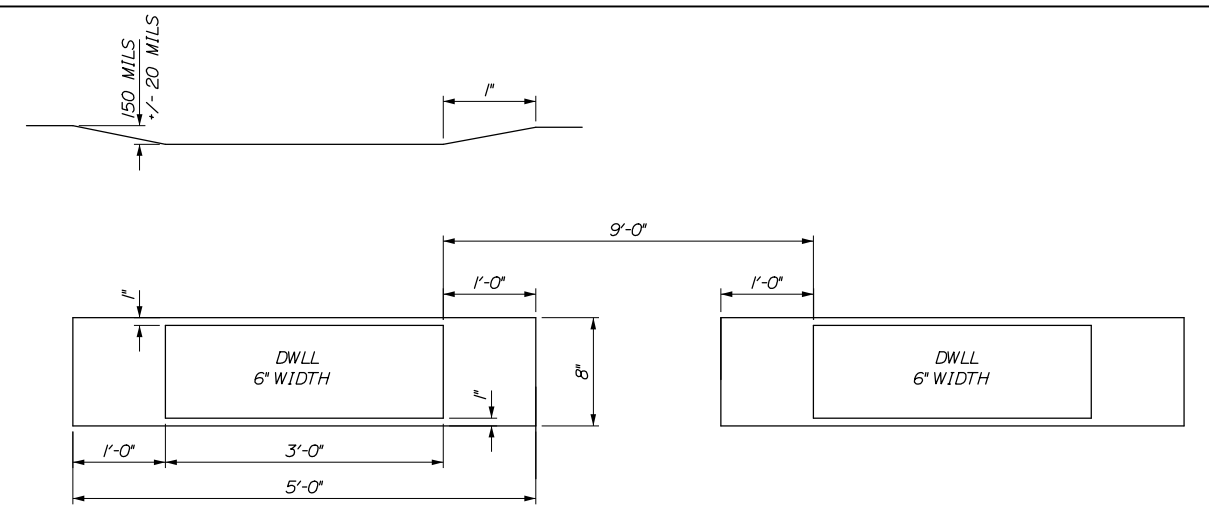
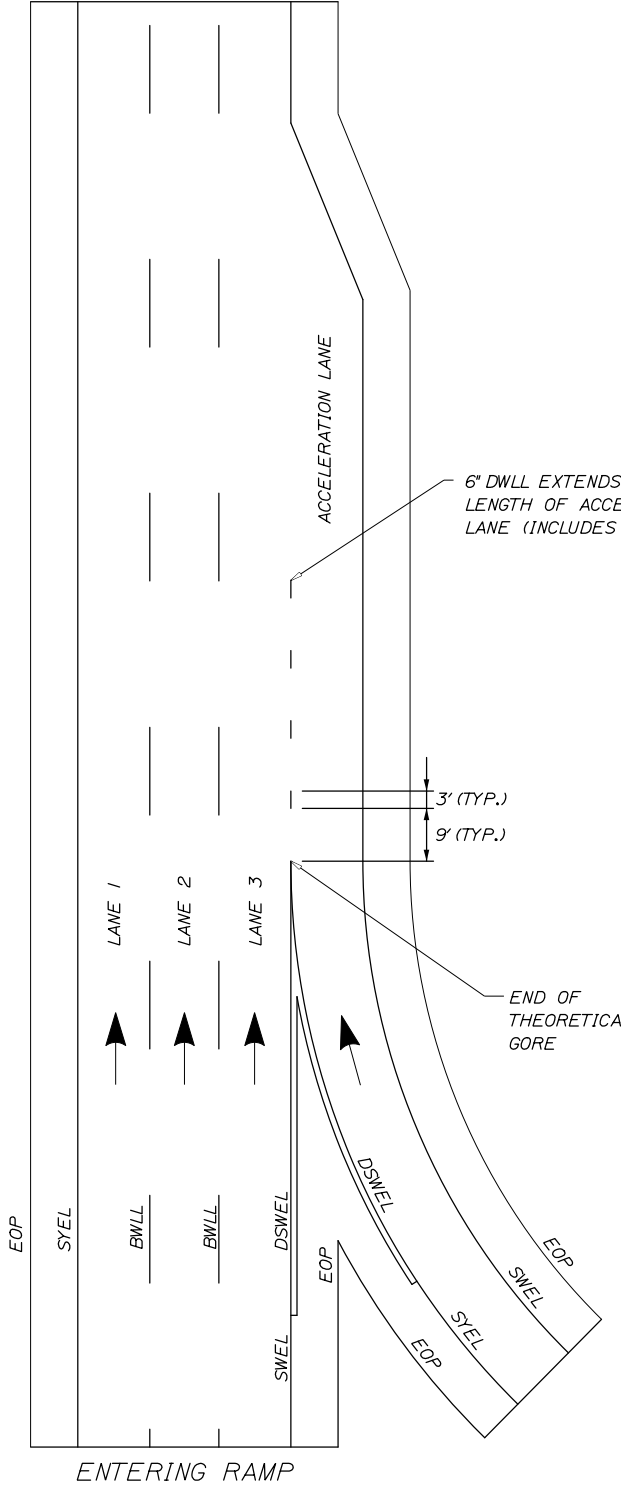
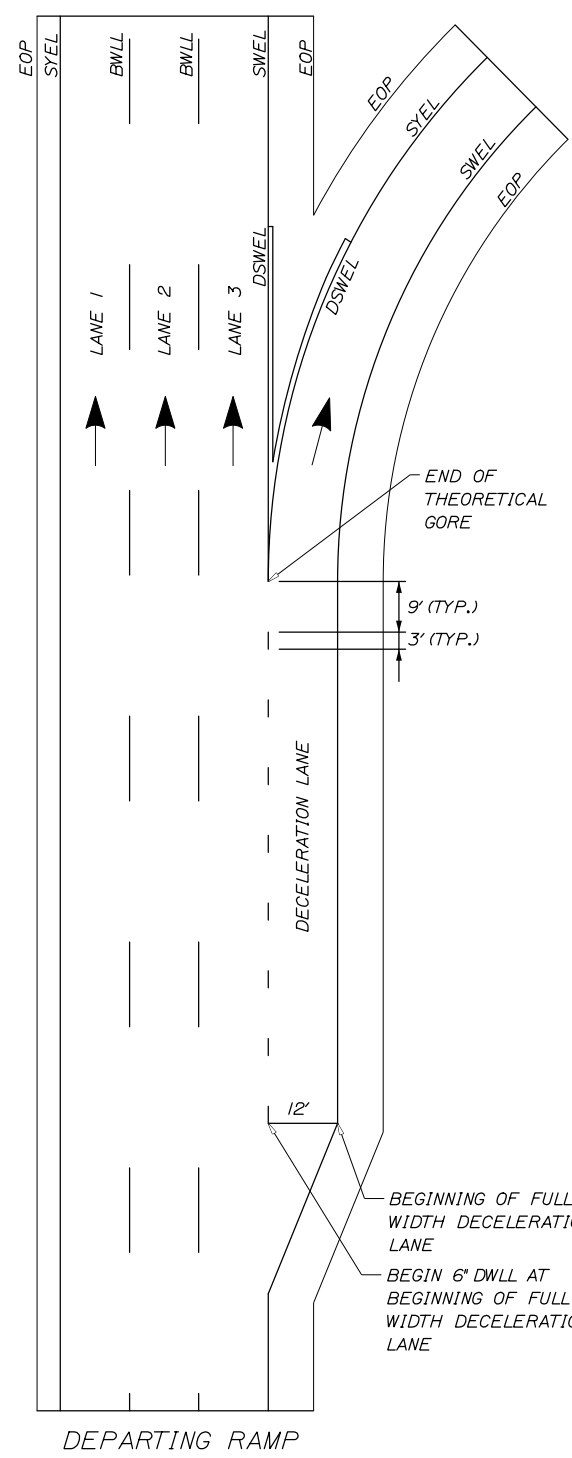
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
GUARDRAIL DETAILS
MIDWAY SPLICE

SHEET NUMBER: CD-02
10 OF 158

CONTRACT: 2019.02

Date:10/23/2019



ITEM 627.941
DWLL PERMANENT PAVEMENT
MARKINGS WITH TAPE
GROOVING DETAIL
NTS

ITEM 627.941 - PAVEMENT MARKING TAPE - DWLL
INSTALLATION LOCATIONS

LOCATION	LANE TYPE	BEGIN (STA)	END (STA)	LENGTH (LF)	LENGTH OF TAPE (LF)
EXIT 25	SB OFF RAMP	1239+81	1247+09	728	182
EXIT 25	NB ON RAMP	1238+11	1247+87	976	244
TOTAL					426

LEGEND

- SYEL = SOLID YELLOW EDGE LINE (6" PAINT)
- SWEL = SOLID WHITE EDGE LINE (6" PAINT)
- DSWEL = DOUBLE SOLID WHITE EDGE LINE (12" PAINT)
- BWLL = BROKEN WHITE LANE LINE (6" PAINT)
- EOP = EDGE OF PAVEMENT
- DWLL = DOTTED WHITE LANE LINE

NOTES:

1. ALL EXISTING PAINT MARKINGS SHALL BE REMOVED PRIOR TO INSTALLATION OF ITEM 627.941 PAVEMENT MARKING TAPE AND SHALL BE INCIDENTAL TO INSTALLATION OF THE TAPE.
2. ON DEPARTING RAMPS, THE DWLL SHALL BEGIN AT THE BEGINNING OF THE FULL WIDTH DECELERATION LANE AND EXTEND TO THE THEORETICAL GORE MARKINGS.
3. ON ENTERING RAMPS, THE DWLL SHALL BEGIN AT THE END OF THE THEORETICAL GORE MARKINGS AND SHALL EXTEND HALF THE TOTAL LENGTH OF THE RAMP INCLUDING THE TAPER.
4. ITEM 627.941 PAVEMENT MARKING TAPE FOR DWLL SHALL BE INSTALLED IN AN "IN-AND-OUT" GROOVING PATTERN. SEE DETAIL THIS SHEET.
5. CONTRACTOR SHALL FOLLOW MANUFACTURERS RECOMMENDATIONS FOR INSTALLATION OF THE TAPE. ANY CHANGES TO INSTALLATION PROCEDURES SHALL BE APPROVED THE RESIDENT ENGINEER.

PERMANENT PAVEMENT
MARKINGS WITH TAPE
(ITEM 627.941 PAVEMENT MARKING TAPE)

Filename: 00X_Striping_Details.dgn

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	JRH	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

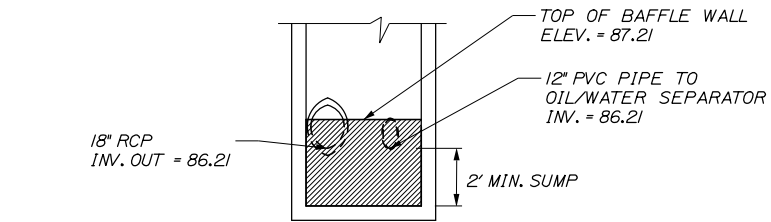
STRIPING DETAILS

SHEET NUMBER: CD-03

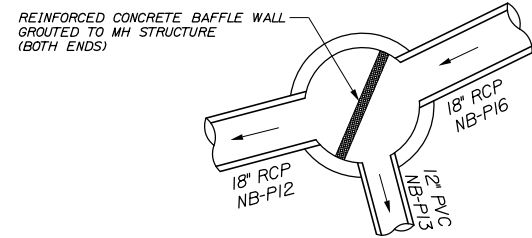
CONTRACT: 2019.02

11 OF 158

Date: 10/23/2019



**SECTION THROUGH
BAFFLE WALL**



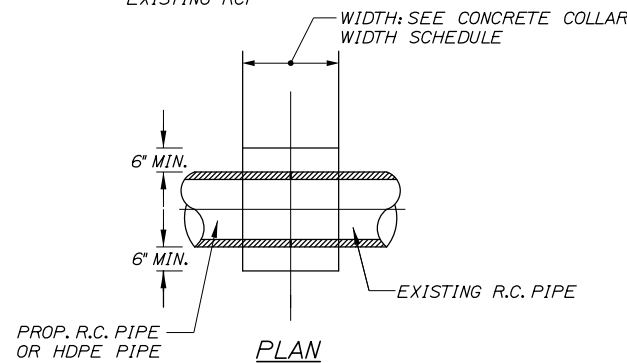
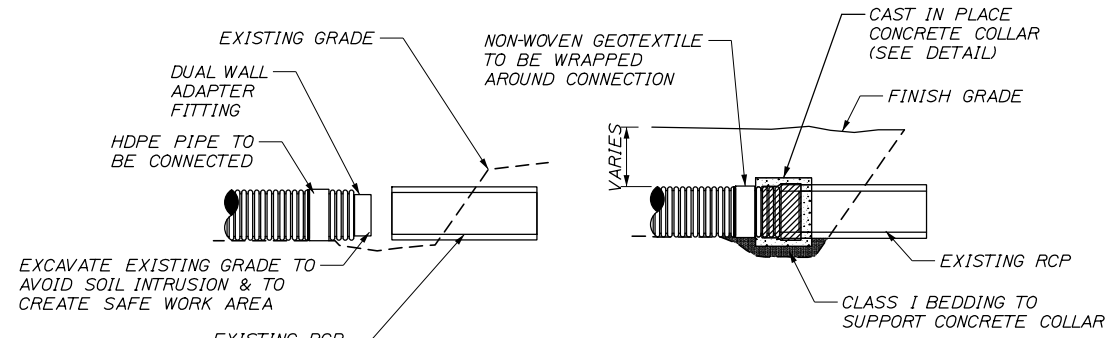
PLAN

**NB-MH5
N.T.S.**

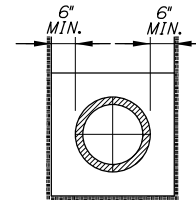
DIVERSION STRUCTURE NOTES:

1. PAYMENT FOR DIVERSION STRUCTURES SHALL BE INCIDENTAL TO ITEM 604.30 OIL-WATER SEPARATOR SYSTEM.

**OIL WATER SEPARATOR DIVERSION STRUCTURE DETAILS
(FOR INFORMATIONAL PURPOSES)**



PLAN

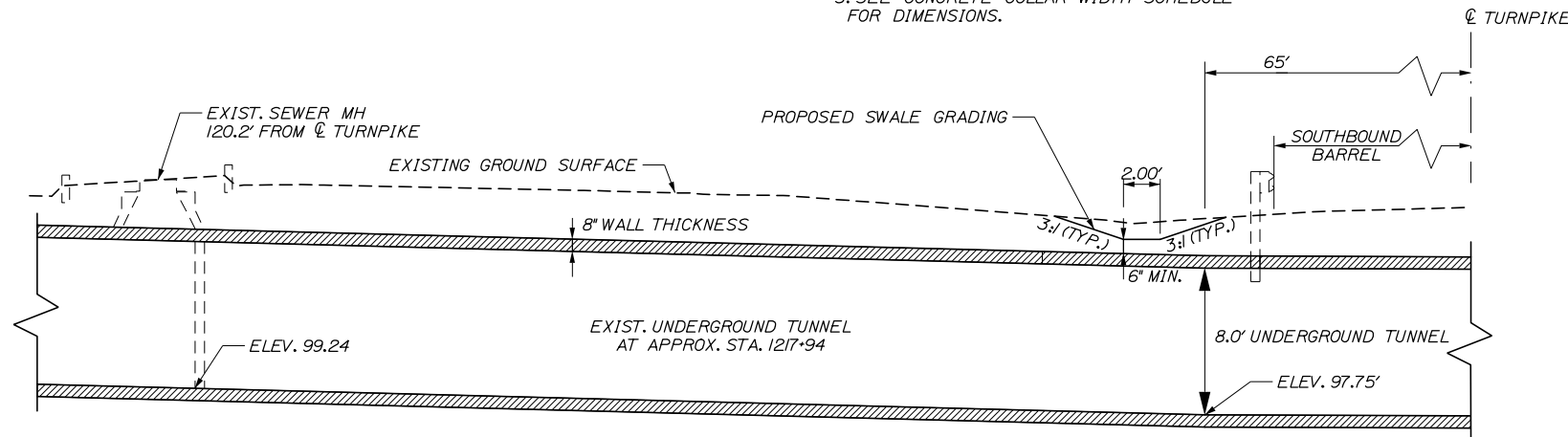


**SECTION A-A
N.T.S.**

CONCRETE COLLAR NOTES:

1. CONNECTION AND PIPE TO BE BACKFILLED PER ASTM D2321 (CRUSHED STONE)
2. CONCRETE SHALL BE CLASS A FIBER REINFORCED.
3. SEE CONCRETE COLLAR WIDTH SCHEDULE FOR DIMENSIONS.

CONCRETE COLLAR WIDTH SCHEDULE	
PIPE DIA. (INCHES)	WIDTH OF CONC. (INCHES)
12	24
15	24
18	24
24	24
30	30
36	36
42	48
48	48
54	60



**EXIST. UNDERGROUND
TUNNEL DETAIL: SB PLAZA
(FOR INFORMATIONAL PURPOSES)**

Filename: 00X_Drainage_Details.dgn

Scale: NOT TO SCALE			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
	By	Date	
	CDH	10\19	
	Checked	JRH	10\19
	By	Date	
	Drawn	SLS	10\19
	In Charge of	RAL	10\19

HNTB CORPORATION
340 County Road, Suite 6-C
Westbrook, ME 04092
TEL (207) 774-5155
FAX (207) 228-0909

**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

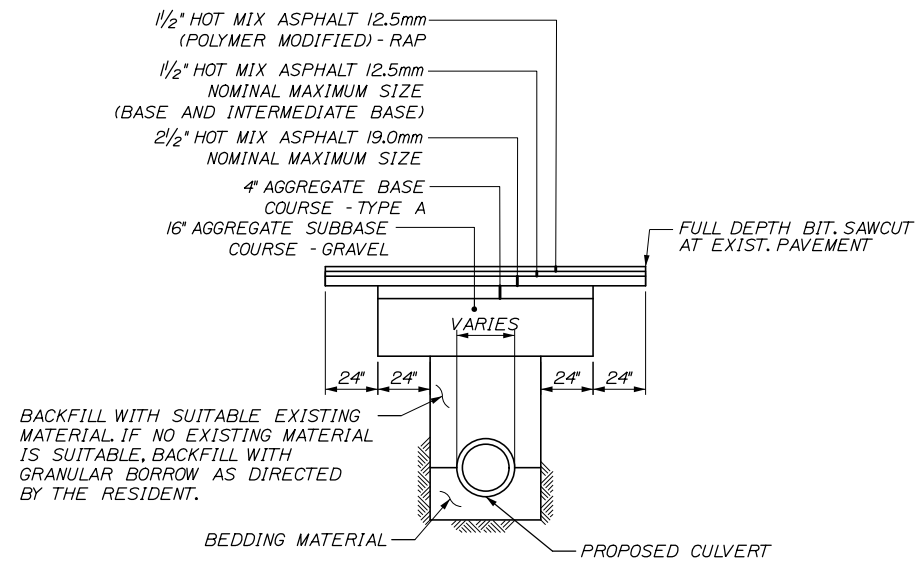
DRAINAGE DETAILS

SHEET NUMBER: CD-04

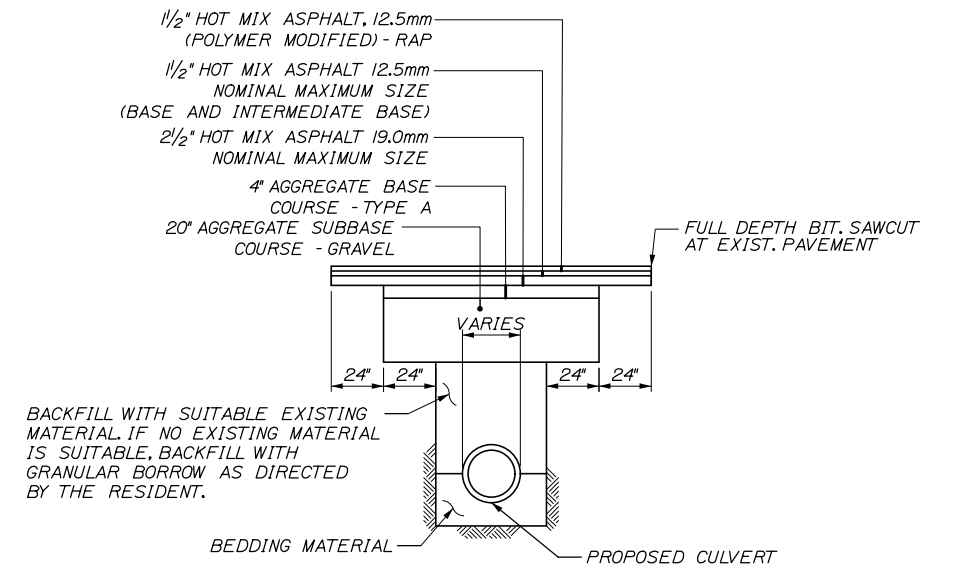
CONTRACT: 2019.02

12 OF 158

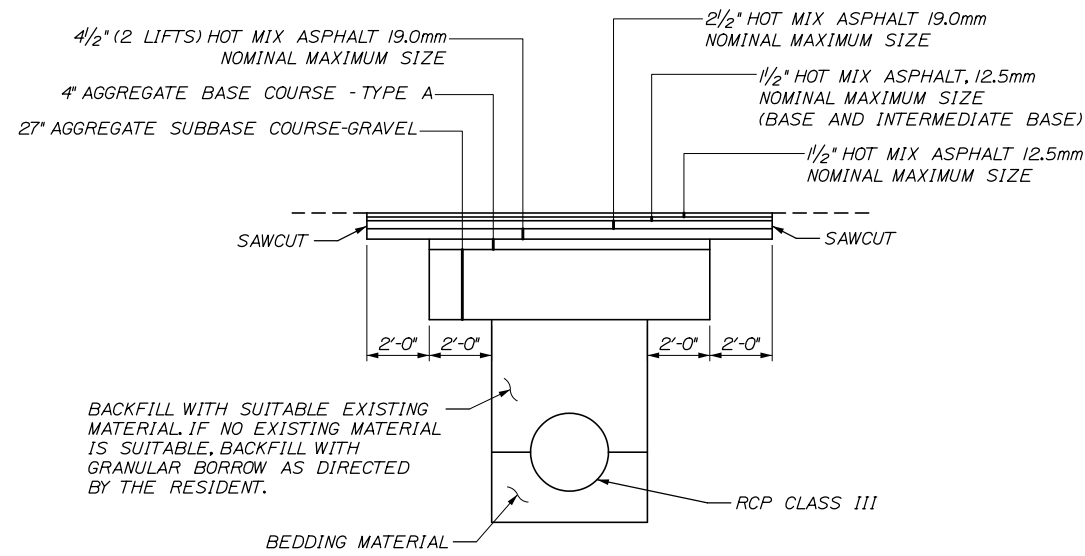
Date:10/25/2019



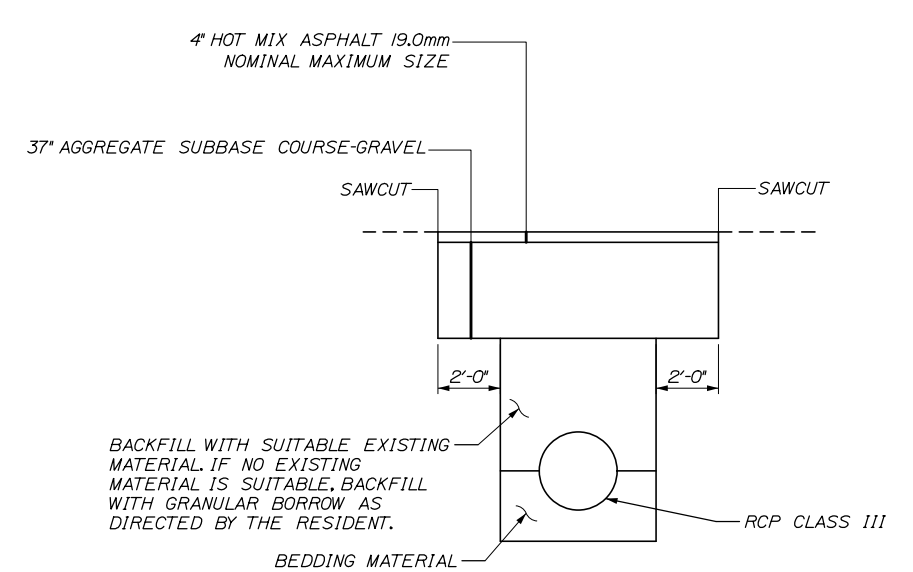
CULVERT TRENCH DETAIL UNDER PARKING AREA
N.T.S.



CULVERT TRENCH DETAIL UNDER PERIMETER RD
N.T.S.



MAINLINE CULVERT
TRENCH DETAIL
N.T.S.



TEMPORARY MAINLINE
CULVERT TRENCH DETAIL
N.T.S.

Filename: 00X_Trench_Details.dgn

Scale: **NOT TO SCALE**

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	By	Date	
Designed	CDH	10\19	Checked	JRH	10\19
Drawn	PEM	10\19	In Charge of	RAL	10\19

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

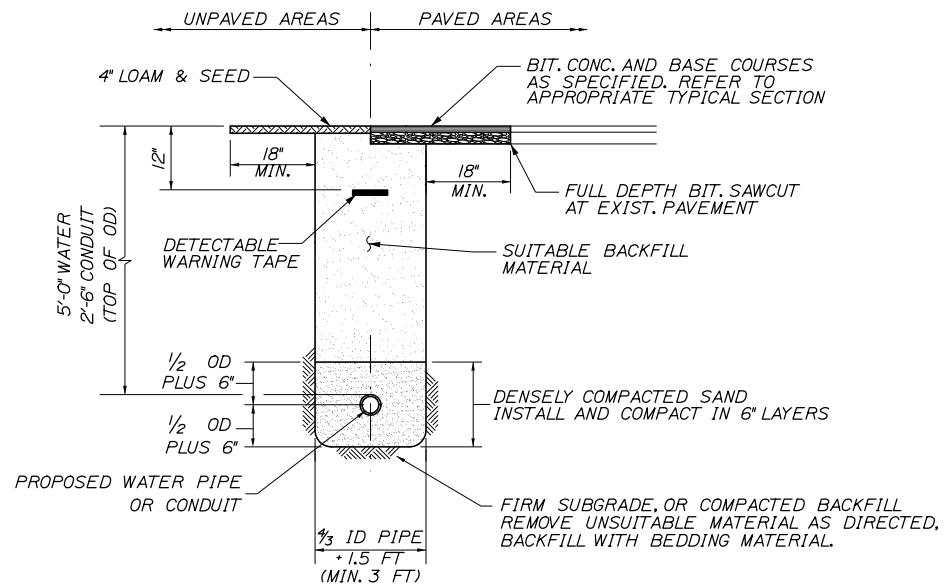
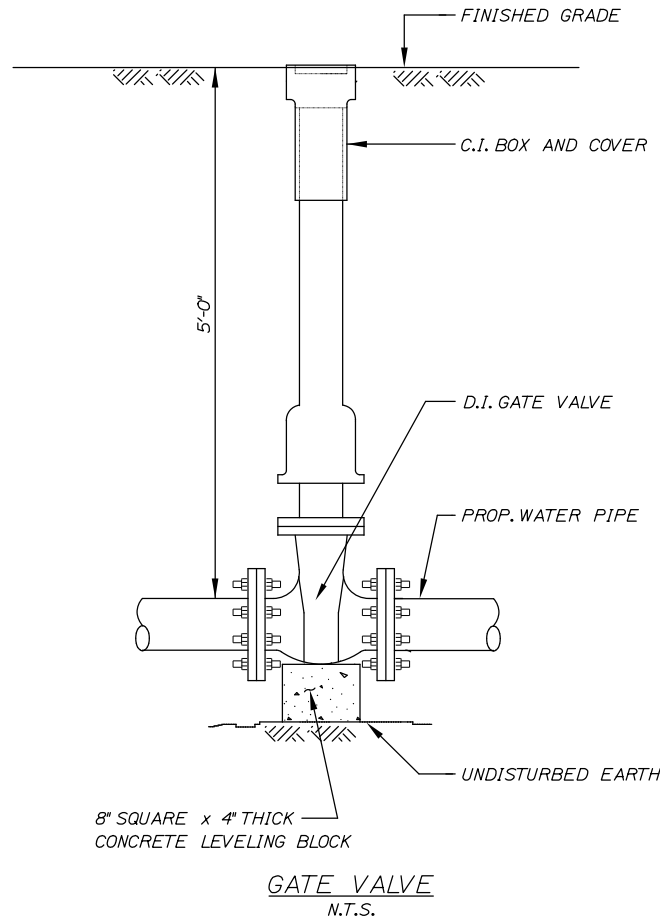
TRENCH DETAILS

CONTRACT: 2019.02

SHEET NUMBER: CD-05

13 OF 158

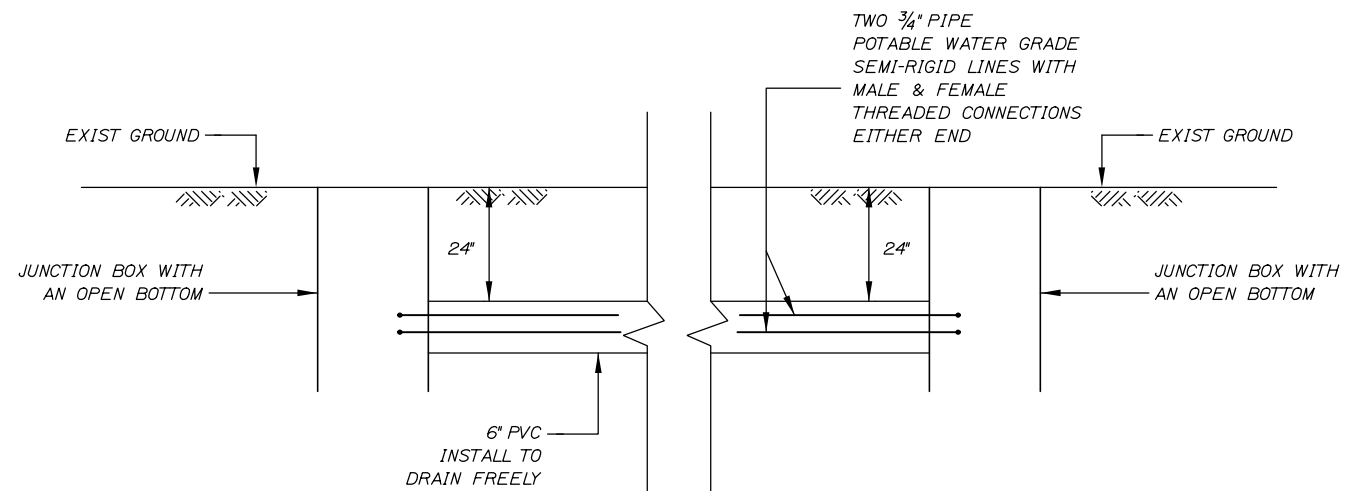
Date:10/23/2019



STANDARD PIPE/CONDUIT/WATER LINE TRENCH DETAIL
N.T.S.

NOTES:

1. BEDDING SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY. USE HAND TAMPERS OR VIBRATORY COMPACTORS.
2. CONTRACTOR SHALL SHORE TRENCH SIDES WHEN REQUIRED OR AS DIRECTED BY THE RESIDENT.
3. FOR FOOD TRUCK WATER CONNECTION THE DEPTH TO TOP OF OD IS 2'-0".



FOOD TRUCK WATER CONNECTION
N.T.S.

Filename: 00X_UTILITY DETAILS.dgn

Scale:			
NOT TO SCALE			
No.	Revision	By	Date

Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	CDH	10\19	Checked	JRH	10\19
Drawn	PEM	10\19	In Charge of	RAL	10\19

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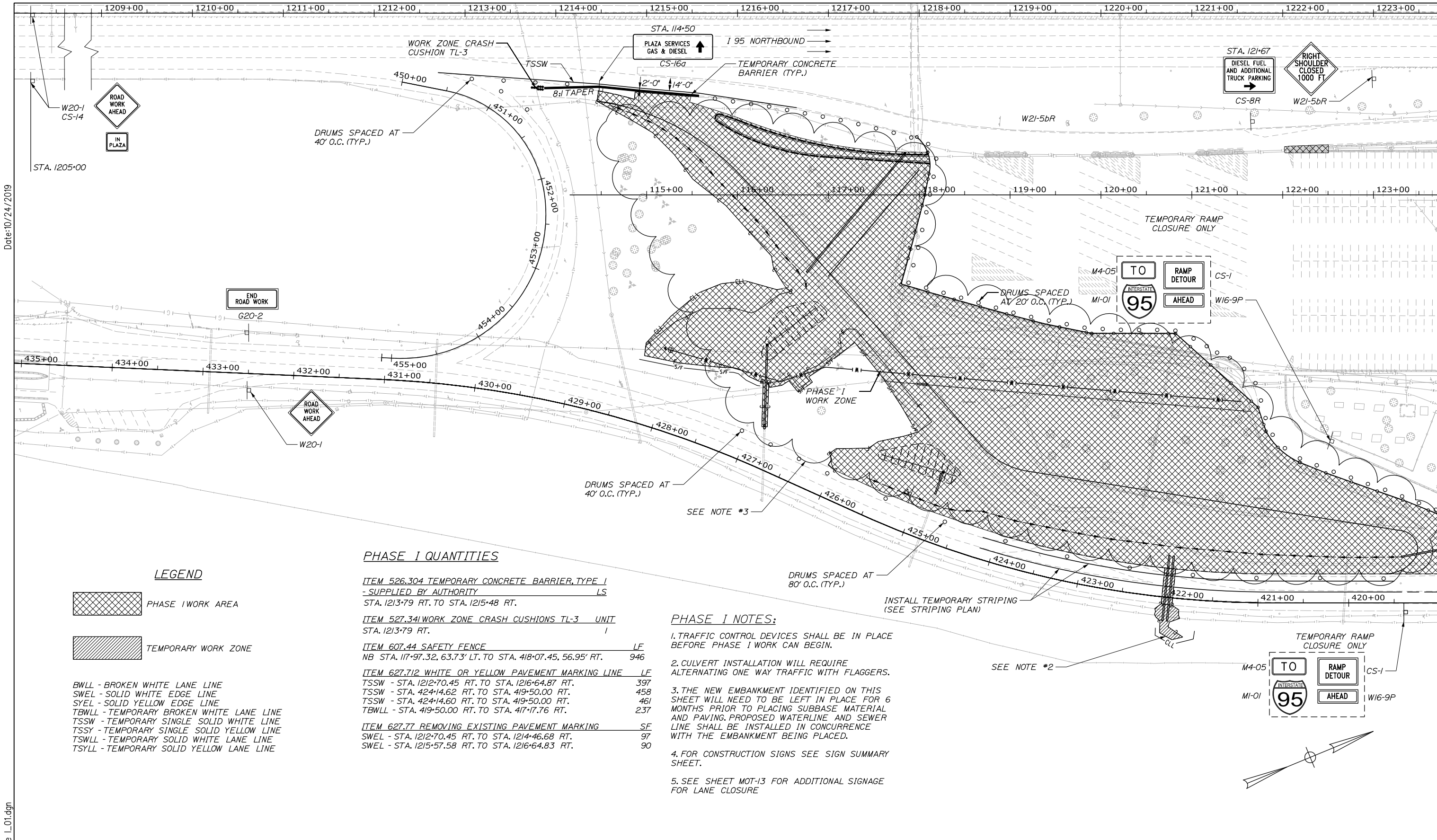
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

UTILITY DETAILS

SHEET NUMBER: CD-06
CONTRACT:2019.02
14 OF 158



Date: 10/24/2019

Filename: 00X_NB_MOT_Phase I_01.dgn

LEGEND

- PHASE I WORK AREA
- TEMPORARY WORK ZONE

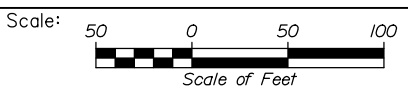
- BWLL - BROKEN WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- SYEL - SOLID YELLOW EDGE LINE
- TBWLL - TEMPORARY BROKEN WHITE LANE LINE
- TSSW - TEMPORARY SINGLE SOLID WHITE LINE
- TSSY - TEMPORARY SINGLE SOLID YELLOW LINE
- TSWLL - TEMPORARY SOLID WHITE LANE LINE
- TSYLL - TEMPORARY SOLID YELLOW LANE LINE

PHASE I QUANTITIES

ITEM 526.304 TEMPORARY CONCRETE BARRIER, TYPE I - SUPPLIED BY AUTHORITY	LS	
STA. 1213+79 RT. TO STA. 1215+48 RT.		
ITEM 527.341 WORK ZONE CRASH CUSHIONS TL-3	UNIT	
STA. 1213+79 RT.	I	
ITEM 607.44 SAFETY FENCE	LF	
NB STA. 117+97.32, 63.73' LT. TO STA. 418+07.45, 56.95' RT.	946	
ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE	LF	
TSSW - STA. 1212+70.45 RT. TO STA. 1216+64.87 RT.	397	
TSSW - STA. 424+14.62 RT. TO STA. 419+50.00 RT.	458	
TSSW - STA. 424+14.60 RT. TO STA. 419+50.00 RT.	461	
TBWLL - STA. 419+50.00 RT. TO STA. 417+17.76 RT.	237	
ITEM 627.77 REMOVING EXISTING PAVEMENT MARKING	SF	
SWEL - STA. 1212+70.45 RT. TO STA. 1214+46.68 RT.	97	
SWEL - STA. 1215+57.58 RT. TO STA. 1216+64.83 RT.	90	

PHASE I NOTES:

1. TRAFFIC CONTROL DEVICES SHALL BE IN PLACE BEFORE PHASE I WORK CAN BEGIN.
2. CULVERT INSTALLATION WILL REQUIRE ALTERNATING ONE WAY TRAFFIC WITH FLAGGERS.
3. THE NEW EMBANKMENT IDENTIFIED ON THIS SHEET WILL NEED TO BE LEFT IN PLACE FOR 6 MONTHS PRIOR TO PLACING SUBBASE MATERIAL AND PAVING. PROPOSED WATERLINE AND SEWER LINE SHALL BE INSTALLED IN CONCURRENCE WITH THE EMBANKMENT BEING PLACED.
4. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.
5. SEE SHEET MOT-13 FOR ADDITIONAL SIGNAGE FOR LANE CLOSURE



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	By	Date
Designed	PEM 10\19	Checked	DSS 10\19
Drawn	EPR 10\19	In Charge of	RAL 10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

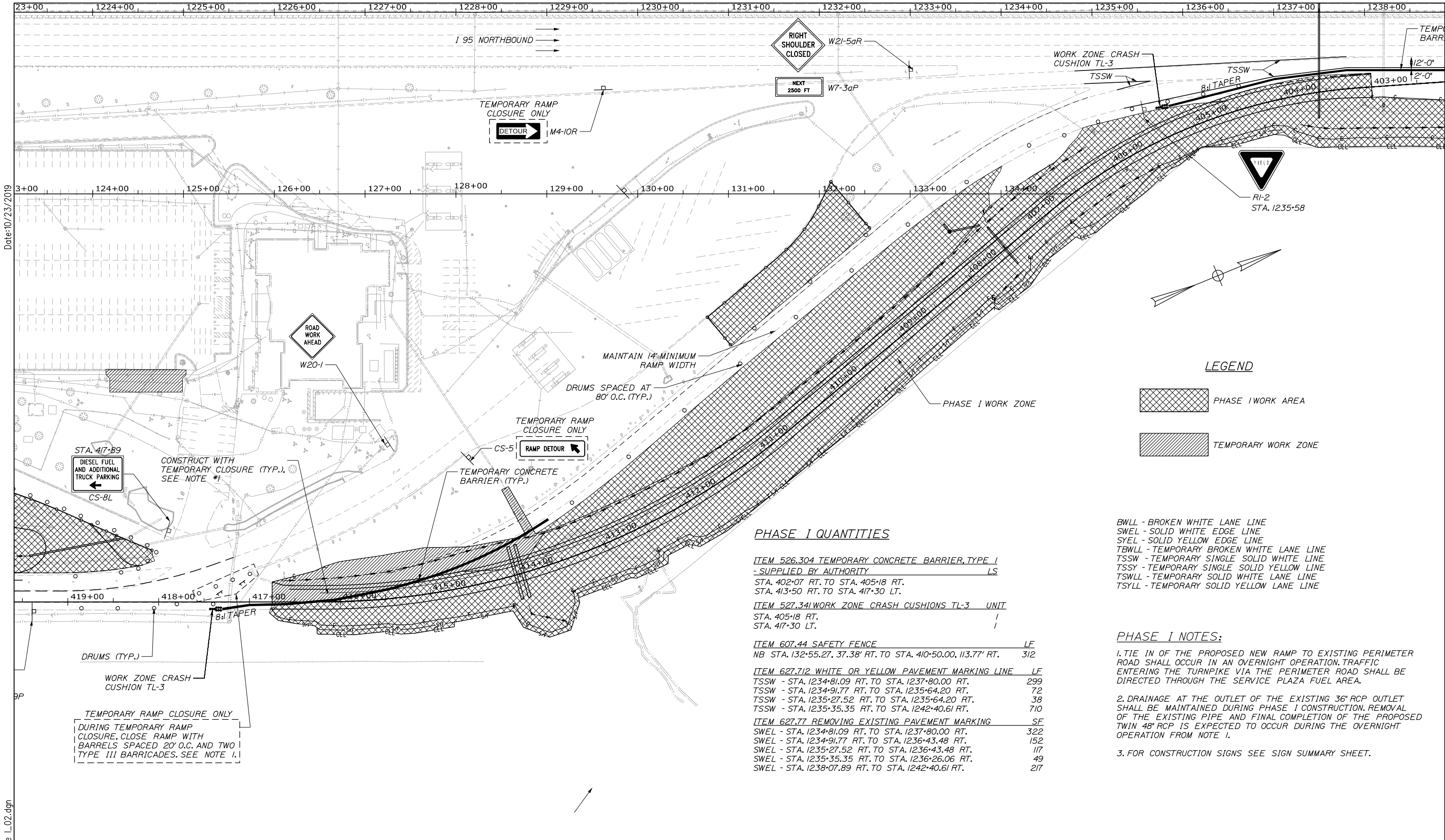
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
NORTHBOUND PLAZA - PHASE I

CONTRACT: 2019.02

SHEET NUMBER: MOT-01

15 OF 158



Date: 10/23/2019

Filename: 00X_NB_MOT_Phase I_02.dgn

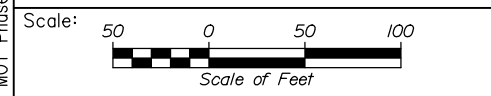
LEGEND

- PHASE I WORK AREA
- TEMPORARY WORK ZONE

- PHASE I NOTES:**
1. TIE IN OF THE PROPOSED NEW RAMP TO EXISTING PERIMETER ROAD SHALL OCCUR IN AN OVERNIGHT OPERATION. TRAFFIC ENTERING THE TURNPIKE VIA THE PERIMETER ROAD SHALL BE DIRECTED THROUGH THE SERVICE PLAZA FUEL AREA.
 2. DRAINAGE AT THE OUTLET OF THE EXISTING 36" RCP OUTLET SHALL BE MAINTAINED DURING PHASE I CONSTRUCTION. REMOVAL OF THE EXISTING PIPE AND FINAL COMPLETION OF THE PROPOSED TWIN 48" RCP IS EXPECTED TO OCCUR DURING THE OVERNIGHT OPERATION FROM NOTE 1.
 3. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.

PHASE I QUANTITIES

ITEM 526.304 TEMPORARY CONCRETE BARRIER, TYPE I - SUPPLIED BY AUTHORITY	LS
STA. 402+07 RT. TO STA. 405+18 RT.	299
STA. 413+50 RT. TO STA. 417+30 LT.	72
ITEM 527.341 WORK ZONE CRASH CUSHIONS TL-3	UNIT
STA. 405+18 RT.	1
STA. 417+30 LT.	1
ITEM 607.44 SAFETY FENCE	LF
NB STA. 132+55.27, 37.38' RT. TO STA. 410+50.00, 113.77' RT.	312
ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE	LF
TSSW - STA. 1234+81.09 RT. TO STA. 1237+80.00 RT.	299
TSSW - STA. 1234+91.77 RT. TO STA. 1235+64.20 RT.	72
TSSW - STA. 1235+27.52 RT. TO STA. 1235+64.20 RT.	38
TSSW - STA. 1235+35.35 RT. TO STA. 1242+40.61 RT.	710
ITEM 627.77 REMOVING EXISTING PAVEMENT MARKING	SF
SWEL - STA. 1234+81.09 RT. TO STA. 1237+80.00 RT.	322
SWEL - STA. 1234+91.77 RT. TO STA. 1236+43.48 RT.	152
SWEL - STA. 1235+27.52 RT. TO STA. 1236+43.48 RT.	117
SWEL - STA. 1235+35.35 RT. TO STA. 1236+26.06 RT.	49
SWEL - STA. 1238+07.89 RT. TO STA. 1242+40.61 RT.	217



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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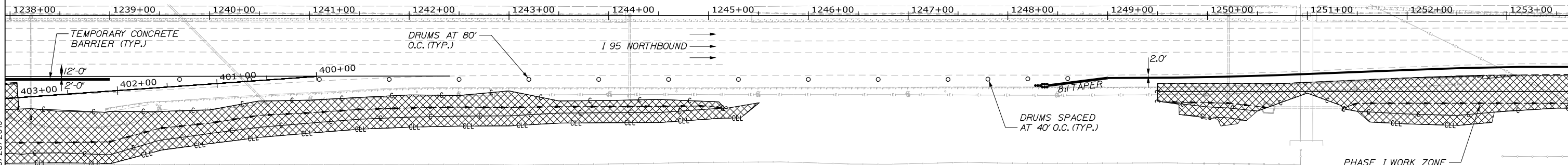
THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 NORTHBOUND PLAZA - PHASE I

SHEET NUMBER: MOT-02
 CONTRACT: 2019.02
 16 OF 158

Date: 10/23/2019



LEGEND

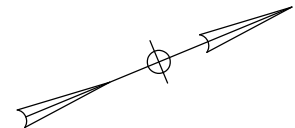
	PHASE I WORK AREA
	TEMPORARY WORK ZONE

PHASE I QUANTITIES

ITEM 526.304 TEMPORARY CONCRETE BARRIER, TYPE I
 - SUPPLIED BY AUTHORITY LS
 STA. 1248+41 RT. TO STA. 1258+00 RT.

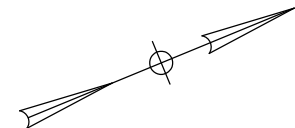
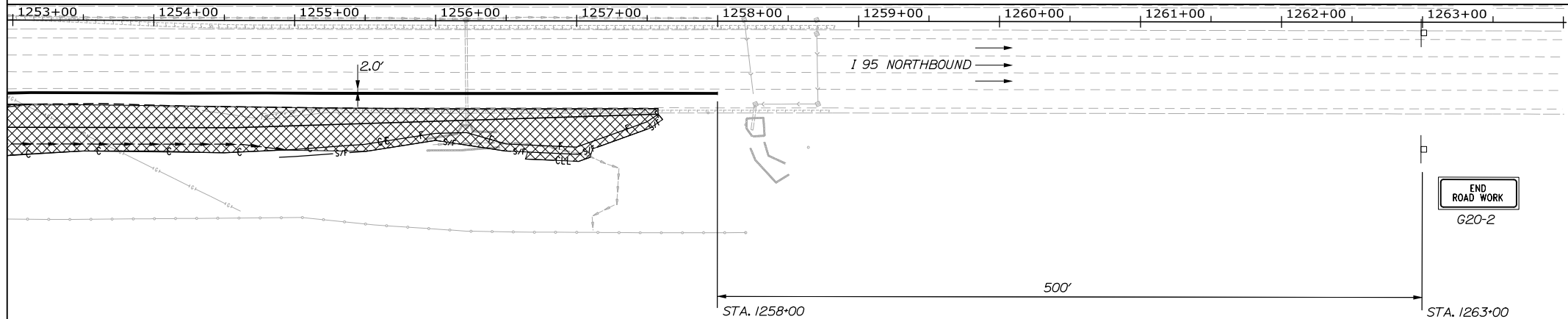
ITEM 527.341 WORK ZONE CRASH CUSHIONS TL-3 UNIT
 I
 STA. 1248+41 RT.

BWLL - BROKEN WHITE LANE LINE
 SWEL - SOLID WHITE EDGE LINE
 SYEL - SOLID YELLOW EDGE LINE
 TBWLL - TEMPORARY BROKEN WHITE LANE LINE
 TSSW - TEMPORARY SINGLE SOLID WHITE LINE
 TSSY - TEMPORARY SINGLE SOLID YELLOW LINE
 TSWLL - TEMPORARY SOLID WHITE LANE LINE
 TSYLL - TEMPORARY SOLID YELLOW LANE LINE

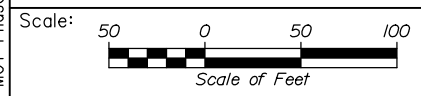


PHASE I NOTES:

1. DRUMS PLACED FROM STA. 1239+60+/- TO 1248+00 AT 80' O.C.
 2. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.



Filename: 00X_NB_MOT_Phase I_03.dgn



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.



KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 NORTHBOUND PLAZA - PHASE I

SHEET NUMBER: MOT-03
 17 OF 158

CONTRACT: 2019.02

Date: 10/23/2019

LEGEND

-  PHASE I WORK AREA
-  TEMPORARY WORK ZONE

- BWLL - BROKEN WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- SYEL - SOLID YELLOW EDGE LINE
- TBWLL - TEMPORARY BROKEN WHITE LANE LINE
- TSSW - TEMPORARY SINGLE SOLID WHITE LINE
- TSSY - TEMPORARY SINGLE SOLID YELLOW LINE
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- TSYLL - TEMPORARY SOLID YELLOW LANE LINE

PHASE I QUANTITIES

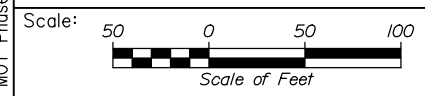
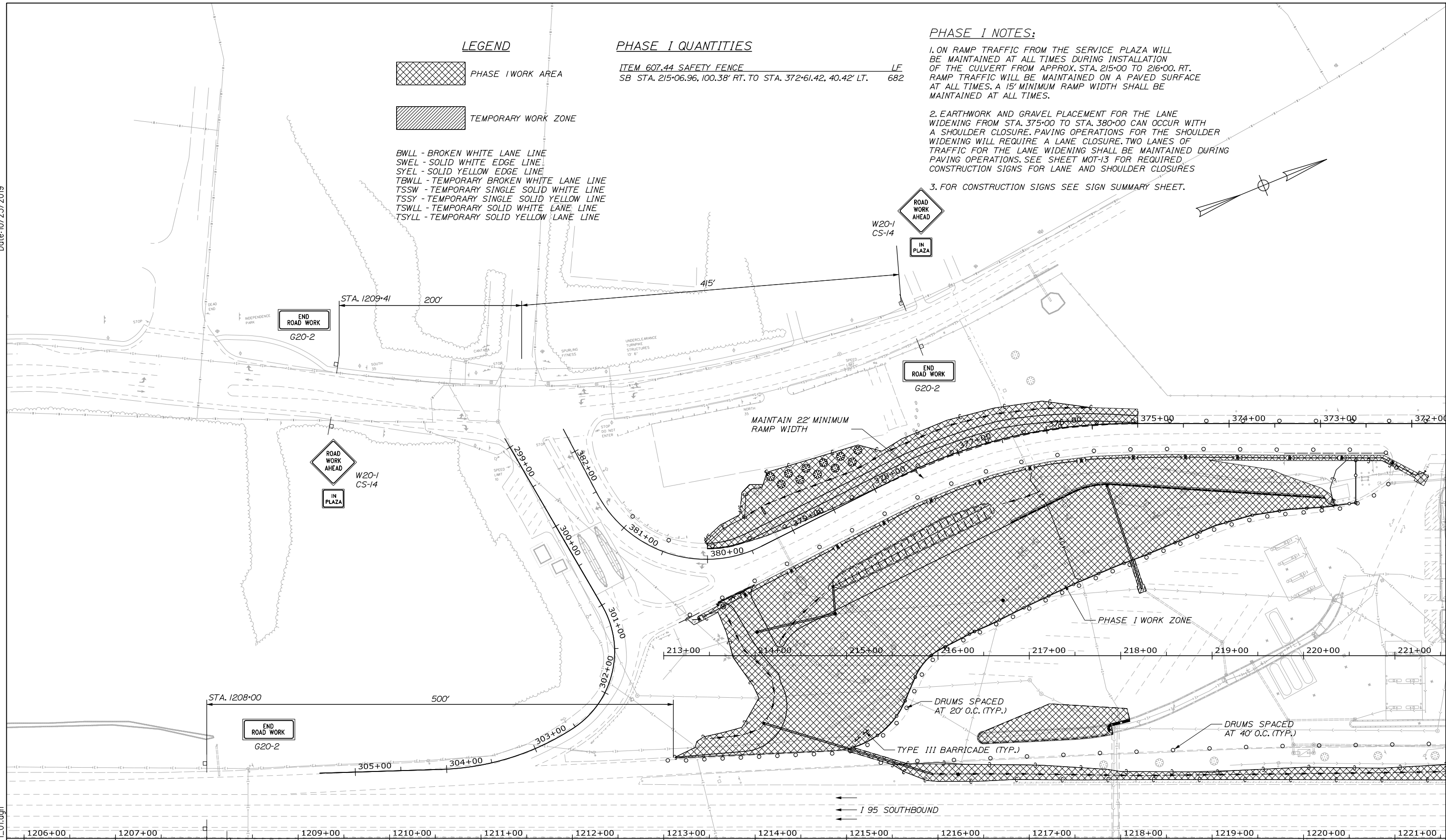
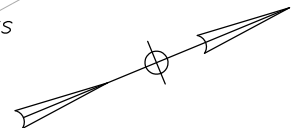
ITEM 607.44 SAFETY FENCE LF 682
 SB STA. 215+06.96, 100.38' RT. TO STA. 372+61.42, 40.42' LT.

PHASE I NOTES:

1. ON RAMP TRAFFIC FROM THE SERVICE PLAZA WILL BE MAINTAINED AT ALL TIMES DURING INSTALLATION OF THE CULVERT FROM APPROX. STA. 215+00 TO 216+00. RT. RAMP TRAFFIC WILL BE MAINTAINED ON A PAVED SURFACE AT ALL TIMES. A 15' MINIMUM RAMP WIDTH SHALL BE MAINTAINED AT ALL TIMES.

2. EARTHWORK AND GRAVEL PLACEMENT FOR THE LANE WIDENING FROM STA. 375+00 TO STA. 380+00 CAN OCCUR WITH A SHOULDER CLOSURE. PAVING OPERATIONS FOR THE SHOULDER WIDENING WILL REQUIRE A LANE CLOSURE. TWO LANES OF TRAFFIC FOR THE LANE WIDENING SHALL BE MAINTAINED DURING PAVING OPERATIONS. SEE SHEET MOT-13 FOR REQUIRED CONSTRUCTION SIGNS FOR LANE AND SHOULDER CLOSURES

3. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	By	Date
Designed	PEM 10\19	Checked	DSS 10\19
Drawn	EPR 10\19	In Charge of	RAL 10\19

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 340 County Road, Suite 6-C
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**THE GOLD STAR
 MEMORIAL HIGHWAY**

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 SOUTHBOUND PLAZA - PHASE I

Filename: 00X_SB_MOT_Phase I_01.dgn

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.



CONTRACT: 2019.02

SHEET NUMBER: MOT-04

18 OF 158

Date: 10/23/2019

LEGEND

-  PHASE I WORK AREA
-  TEMPORARY WORK ZONE

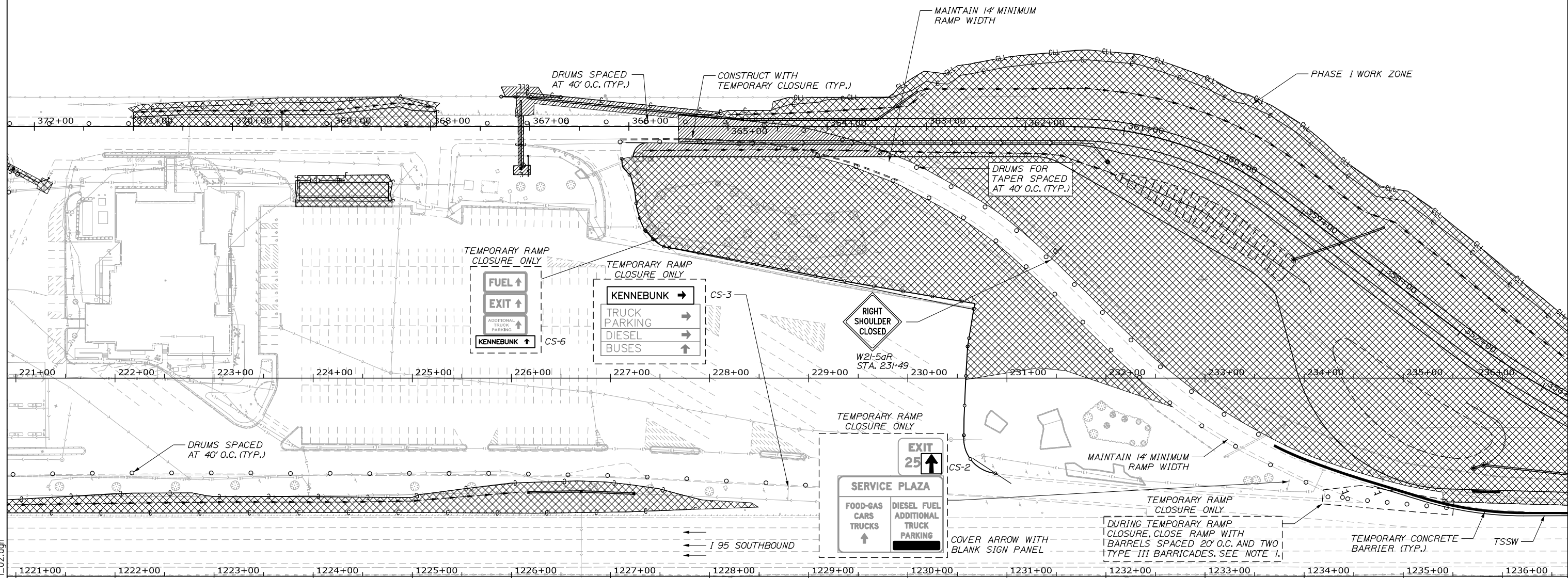
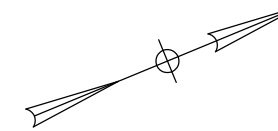
- BWLL - BROKEN WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- SYEL - SOLID YELLOW EDGE LINE
- TBWLL - TEMPORARY BROKEN WHITE LANE LINE
- TSSW - TEMPORARY SINGLE SOLID WHITE LINE
- TSSY - TEMPORARY SINGLE SOLID YELLOW LINE
- TSWLL - TEMPORARY SOLID WHITE LANE LINE
- TSYLL - TEMPORARY SOLID YELLOW LANE LINE

PHASE I QUANTITIES

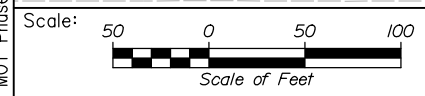
ITEM 526.304 TEMPORARY CONCRETE BARRIER, TYPE I - SUPPLIED BY AUTHORITY	LS	
STA. 1233+69 LT. TO STA. 1250+59 LT.		
ITEM 607.44 SAFETY FENCE	LF	
SB STA. 366+07.29, 32.48' LT. TO STA. 230+88.41, 96.05' RT. 612		
ITEM 627.72 WHITE OR YELLOW PAVEMENT MARKING LINE	LF	
TSSW - STA. 1234+70.45 LT. TO STA. 1244+69.09 LT. 1003		
ITEM 627.77 REMOVING EXISTING PAVEMENT MARKING	SF	
SWEL - STA. 1234+70.45 LT. TO STA. 1235+15.96 LT. 24		
BWLL - STA. 1238+00.00 LT. TO STA. 1240+49.98 LT. 31		

PHASE I NOTES:

1. TIE IN OF THE PROPOSED RAMP TO EXISTING PERIMETER ROAD SHALL OCCUR IN AN OVERNIGHT OPERATION. TRAFFIC ENTERING THE TURNPIKE VIA THE PERIMETER ROAD SHALL BE DIRECTED THROUGH THE SERVICE PLAZA.
2. EARTHWORK AND GRAVEL PLACEMENT FOR THE SHOULDER WIDENING BETWEEN STA. 368+00 AND STA. 371+00 CAN OCCUR WITH A SHOULDER CLOSURE. PAVING OPERATIONS FOR THE SHOULDER WIDENING WILL REQUIRE A NIGHT TIME LANE CLOSURE WITH ALTERNATING ONE WAY TRAFFIC. TWO LANES OF TRAFFIC FOR THE LANE WIDENING SHALL BE MAINTAINED OUTSIDE OF PAVING OPERATIONS.
3. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.



Filename: 00X_SB MOT Phase I_02.dgn



Designed by:



No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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340 County Road, Suite 6-C
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

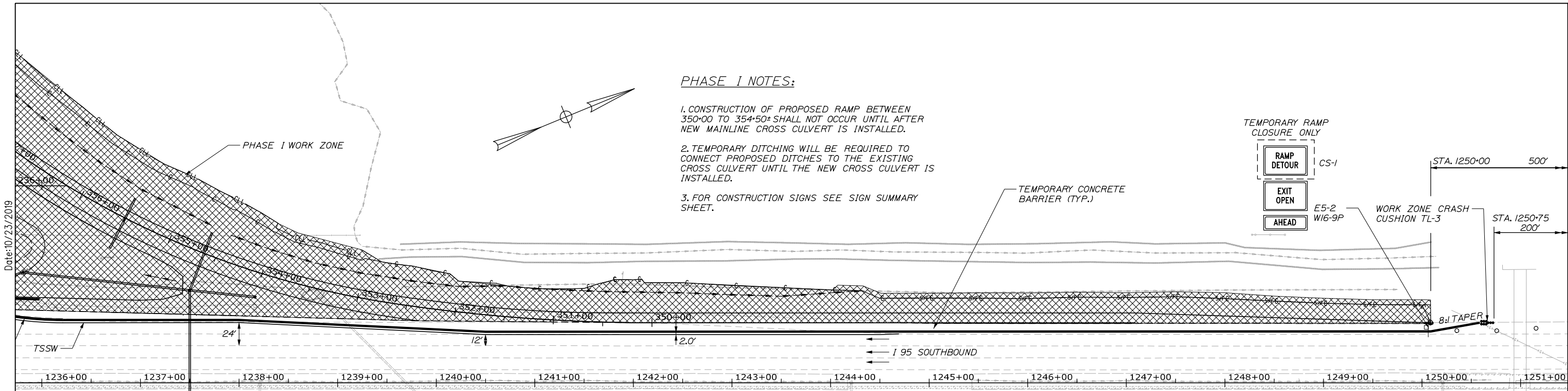
**KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
SOUTHBOUND PLAZA - PHASE I**

CONTRACT: 2019.02

SHEET NUMBER: MOT-05

19 OF 158

Date: 10/23/2019



PHASE I NOTES:

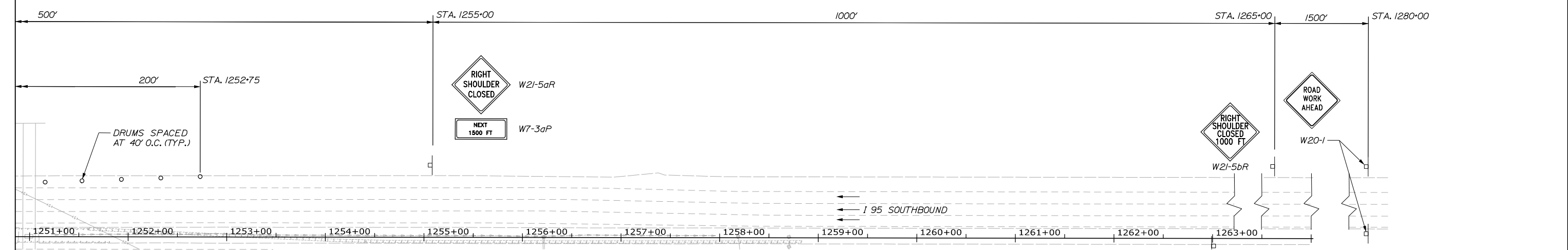
1. CONSTRUCTION OF PROPOSED RAMP BETWEEN 350+00 TO 354+50± SHALL NOT OCCUR UNTIL AFTER NEW MAINLINE CROSS CULVERT IS INSTALLED.
2. TEMPORARY DITCHING WILL BE REQUIRED TO CONNECT PROPOSED DITCHES TO THE EXISTING CROSS CULVERT UNTIL THE NEW CROSS CULVERT IS INSTALLED.
3. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.

LEGEND

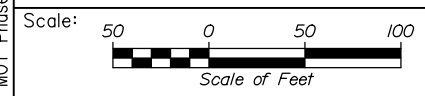
- PHASE I WORK AREA
- TEMPORARY WORK ZONE
- BWLL - BROKEN WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- SYEL - SOLID YELLOW EDGE LINE
- TBWLL - TEMPORARY BROKEN WHITE LANE LINE
- TSSW - TEMPORARY SINGLE SOLID WHITE LINE
- TSSY - TEMPORARY SINGLE SOLID YELLOW LINE
- TSWL - TEMPORARY SOLID WHITE LANE LINE
- TSYLL - TEMPORARY SOLID YELLOW LANE LINE

PHASE I QUANTITIES

ITEM 527.34 WORK ZONE CRASH CUSHIONS TL-3	UNIT
STA. 1250+59 LT.	1



Filename: 00X_SB_MOT_Phase I_03.dgn



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date	By	Date	
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

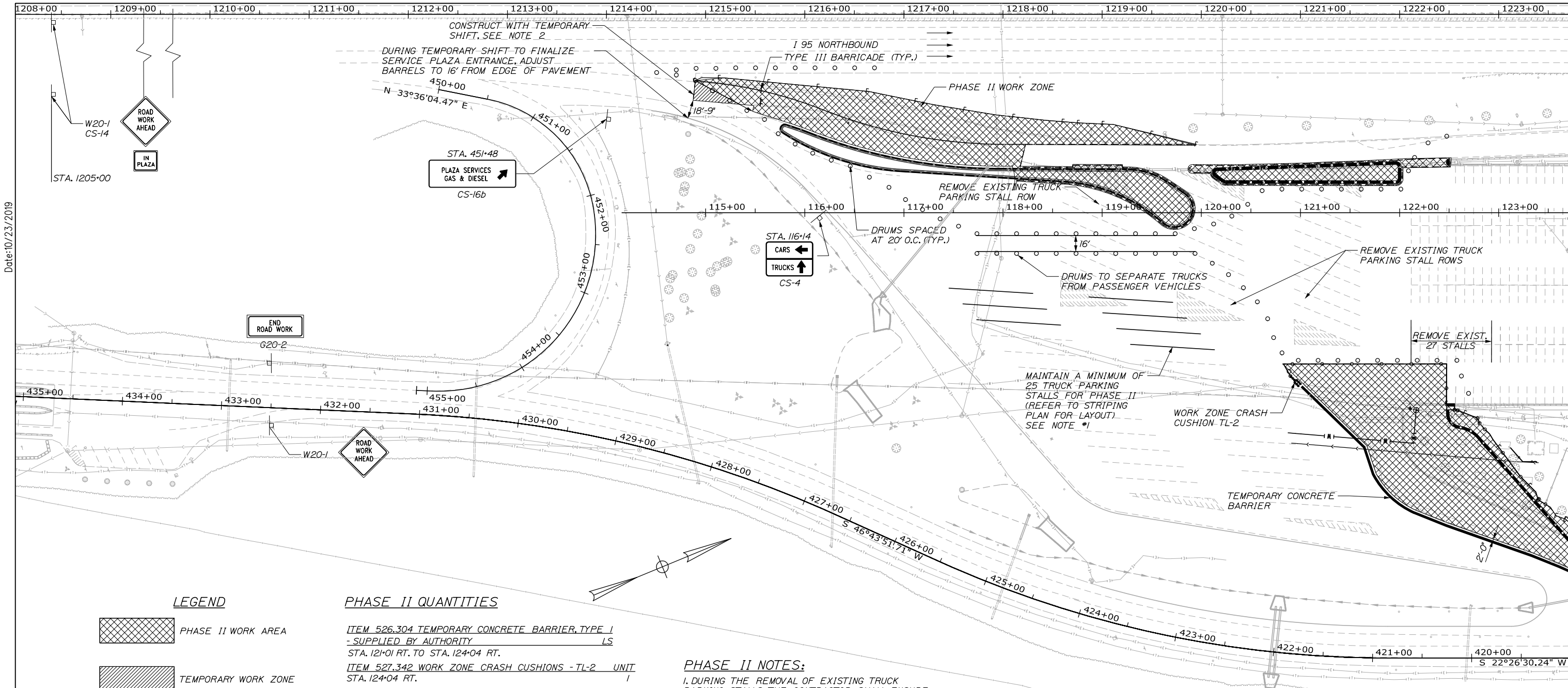
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 SOUTHBOUND PLAZA - PHASE I

CONTRACT: 2019.02

SHEET NUMBER: MOT-06

20 OF 158



LEGEND

- PHASE II WORK AREA
- TEMPORARY WORK ZONE

- BWLL - BROKEN WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- SYEL - SOLID YELLOW EDGE LINE
- TBWLL - TEMPORARY BROKEN WHITE LANE LINE
- TSSW - TEMPORARY SINGLE SOLID WHITE LINE
- TSSY - TEMPORARY SINGLE SOLID YELLOW LINE
- TSWLL - TEMPORARY SOLID WHITE LANE LINE
- TSYLL - TEMPORARY SOLID YELLOW LANE LINE

PHASE II QUANTITIES

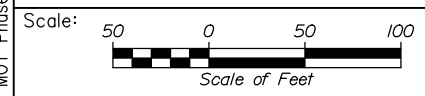
- ITEM 526.304 TEMPORARY CONCRETE BARRIER, TYPE I - SUPPLIED BY AUTHORITY LS
STA. 121+01 RT. TO STA. 124+04 RT.
- ITEM 527.342 WORK ZONE CRASH CUSHIONS - TL-2 UNIT
STA. 124+04 RT. 1
- ITEM 607.44 SAFETY FENCE LF
NB STA. 120+89.81, 164.70' RT. TO STA. 419+25.68, 155.19' RT. 370
- ITEM 627.77 REMOVING EXISTING PAVEMENT MARKING SF
TSSW - STA. 1212+70.45 RT. TO STA. 1215+57.58 RT. 144

PHASE II NOTES:

1. DURING THE REMOVAL OF EXISTING TRUCK PARKING STALLS, THE CONTRACTOR SHALL ENSURE THEY ARE REPLACED BY AN EQUAL NUMBER OF NEW TRUCK PARKING STALLS.
2. CONSTRUCT NB SERVICE PLAZA ENTRANCE TIE-IN WITH OVERNIGHT TEMPORARY TRAFFIC CONTROL SHIFT CLOSURE.
3. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.

Date: 10/23/2019

Filename: 00X_NB_MOT_Phase II_01.dgn



Designed by:



HNTB CORPORATION
340 County Road, Suite 6-C
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**THE GOLD STAR
MEMORIAL HIGHWAY**

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
NORTHBOUND PLAZA - PHASE II

No.	Revision	By	Date

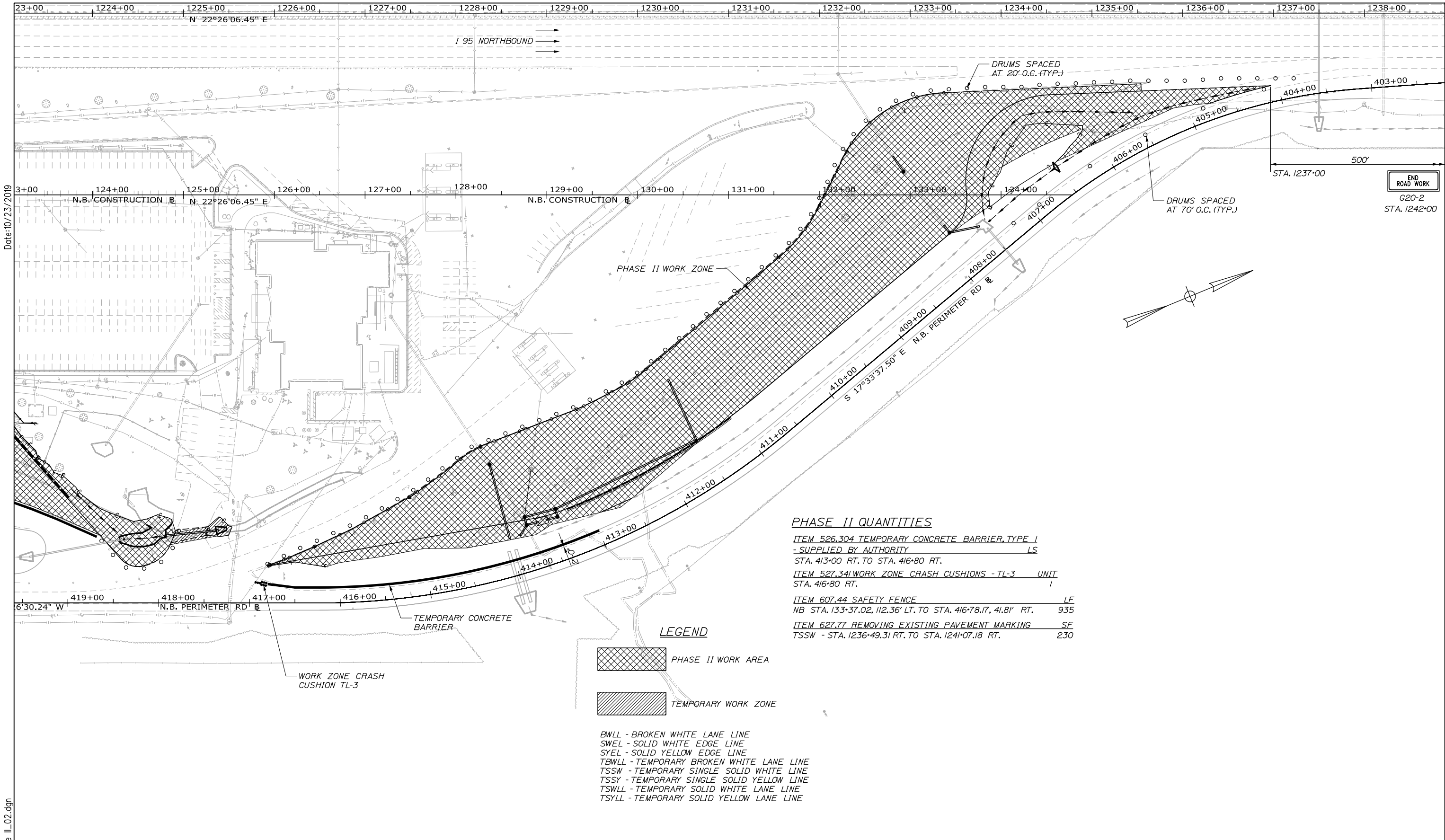
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date	By	Date	
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

SHEET NUMBER: MOT-07

21 OF 158



Date: 10/23/2019

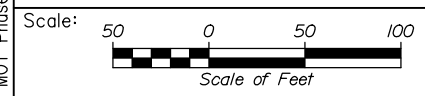
Filename: 00X_NB_MOT_Phase II_02.dgn

PHASE II QUANTITIES

ITEM 526.304	TEMPORARY CONCRETE BARRIER, TYPE I	LS
- SUPPLIED BY AUTHORITY		
STA. 413+00 RT. TO STA. 416+80 RT.		
ITEM 527.341	WORK ZONE CRASH CUSHIONS - TL-3	UNIT
STA. 416+80 RT.		
ITEM 607.44	SAFETY FENCE	LF
NB STA. 133+37.02, 112.36' LT. TO STA. 416+78.17, 41.81' RT.		935
ITEM 627.77	REMOVING EXISTING PAVEMENT MARKING	SF
TSSW - STA. 1236+49.31 RT. TO STA. 1241+07.18 RT.		230

LEGEND

- PHASE II WORK AREA
- TEMPORARY WORK ZONE
- BWLL - BROKEN WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- SYEL - SOLID YELLOW EDGE LINE
- TBWLL - TEMPORARY BROKEN WHITE LANE LINE
- TSSW - TEMPORARY SINGLE SOLID WHITE LINE
- TSSY - TEMPORARY SINGLE SOLID YELLOW LINE
- TSWLL - TEMPORARY SOLID WHITE LANE LINE
- TSYLL - TEMPORARY SOLID YELLOW LANE LINE



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 NORTHBOUND PLAZA - PHASE II

SHEET NUMBER: MOT-08
 22 OF 158

CONTRACT: 2019.02

Date: 10/23/2019

LEGEND

 PHASE II WORK AREA

 TEMPORARY WORK ZONE

BWLL - BROKEN WHITE LANE LINE
 SWEL - SOLID WHITE EDGE LINE
 SYEL - SOLID YELLOW EDGE LINE
 TBWLL - TEMPORARY BROKEN WHITE LANE LINE
 TSSW - TEMPORARY SINGLE SOLID WHITE LINE
 TSSY - TEMPORARY SINGLE SOLID YELLOW LINE
 TSWLL - TEMPORARY SOLID WHITE LANE LINE
 TSYLL - TEMPORARY SOLID YELLOW LANE LINE

PHASE II QUANTITIES

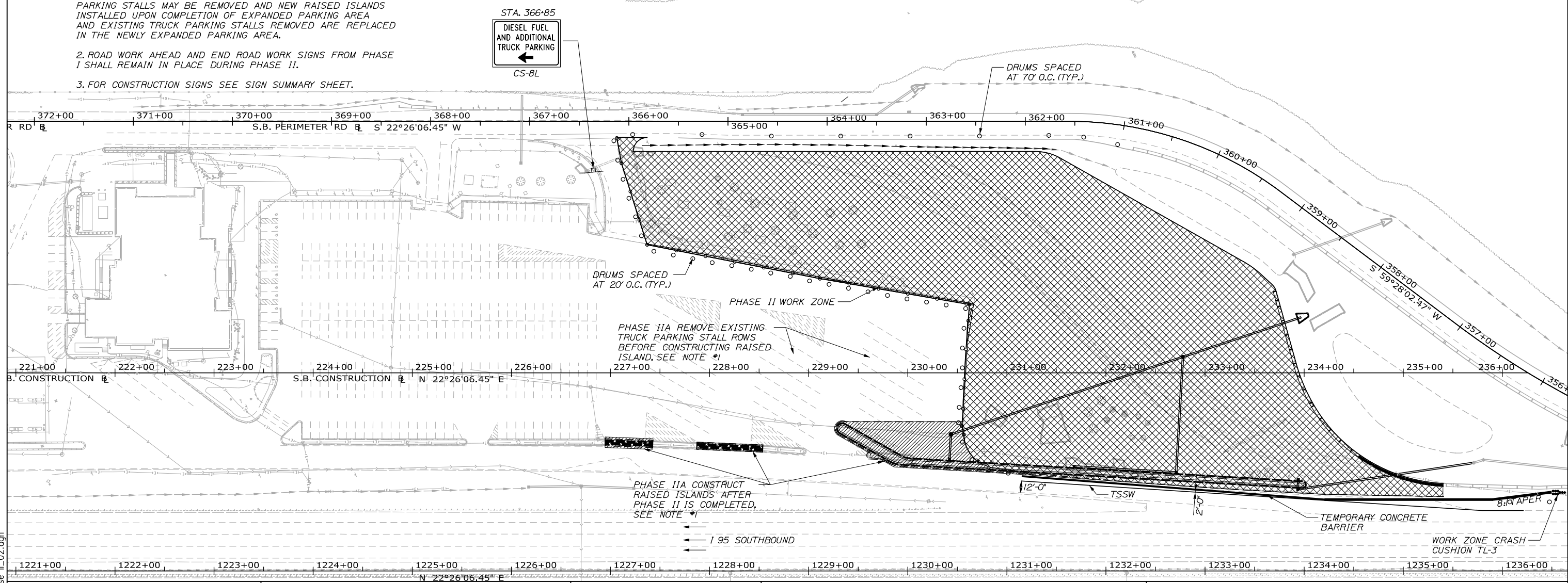
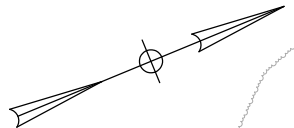
ITEM 526.304 TEMPORARY CONCRETE BARRIER, TYPE I
 - SUPPLIED BY AUTHORITY LS
 STA. 1231+15 LT. TO STA. 1236+50 LT.
 ITEM 527.341 WORK ZONE CRASH CUSHIONS - TL-3 UNIT
 STA. 1236+50 LT.
 ITEM 607.44 SAFETY FENCE LF
 SB STA. 366+12.15, 16.75' LT. TO STA. 230+71.58, 89.89' RT. 608
 ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE LF
 TSSW - STA. 1231+14.71 LT. TO STA. 1236+21.26 LT. 507
 ITEM 627.77 REMOVING EXISTING PAVEMENT MARKING SF
 TSSW - STA. 1235+29.52 LT. TO STA. 1236+00.84 LT. 14

PHASE II NOTES:

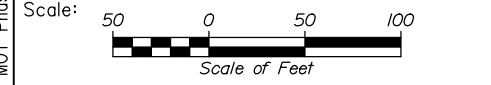
- ACCESS TO EXISTING TRUCK PARKING STALLS BETWEEN STA. 227+25 AND 230+25 SHALL BE MAINTAINED DURING PHASE II CONSTRUCTION. THESE EXISTING TRUCK PARKING STALLS MAY BE REMOVED AND NEW RAISED ISLANDS INSTALLED UPON COMPLETION OF EXPANDED PARKING AREA AND EXISTING TRUCK PARKING STALLS REMOVED ARE REPLACED IN THE NEWLY EXPANDED PARKING AREA.
- ROAD WORK AHEAD AND END ROAD WORK SIGNS FROM PHASE I SHALL REMAIN IN PLACE DURING PHASE II.
- FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.

STA. 366+85

 CS-8L



Filename: 00X_SB MOT Phase II_02.dgn



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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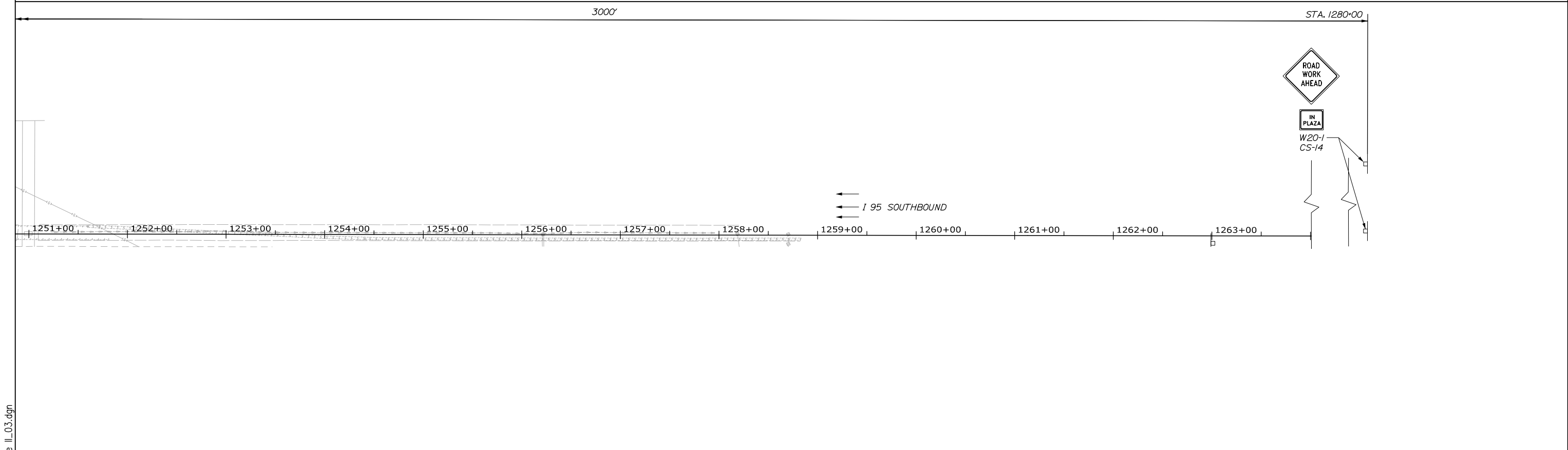
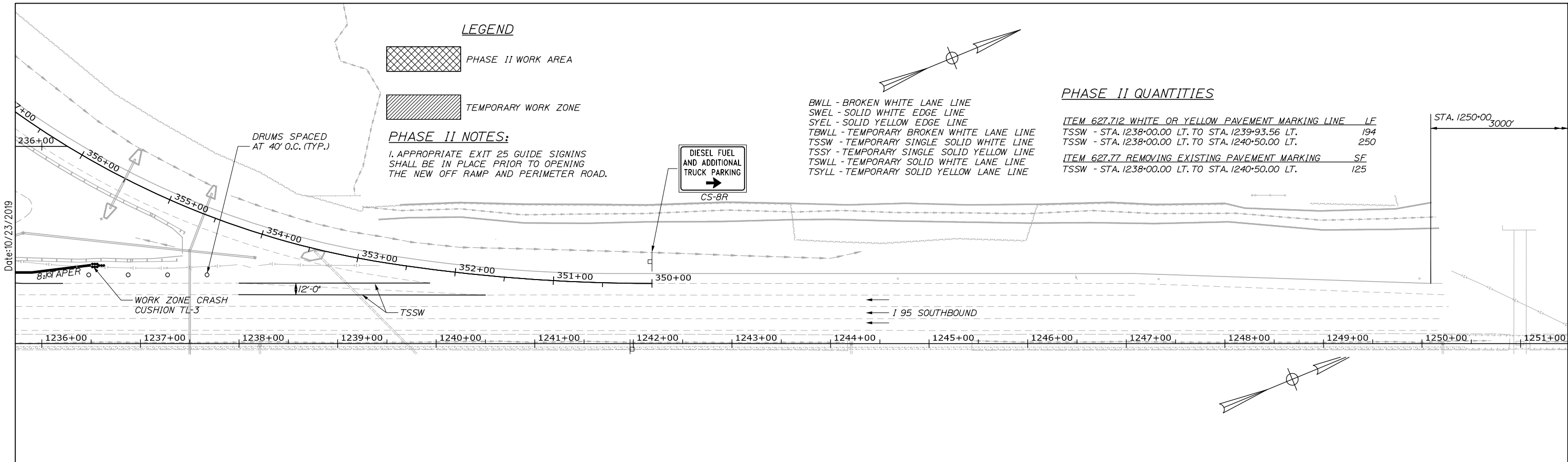


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 SOUTHBOUND PLAZA - PHASE II

SHEET NUMBER: MOT-09
 CONTRACT: 2019.02
 23 OF 158



Scale: 50 0 50 100
 Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 SOUTHBOUND PLAZA - PHASE II

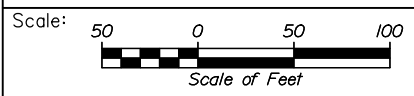
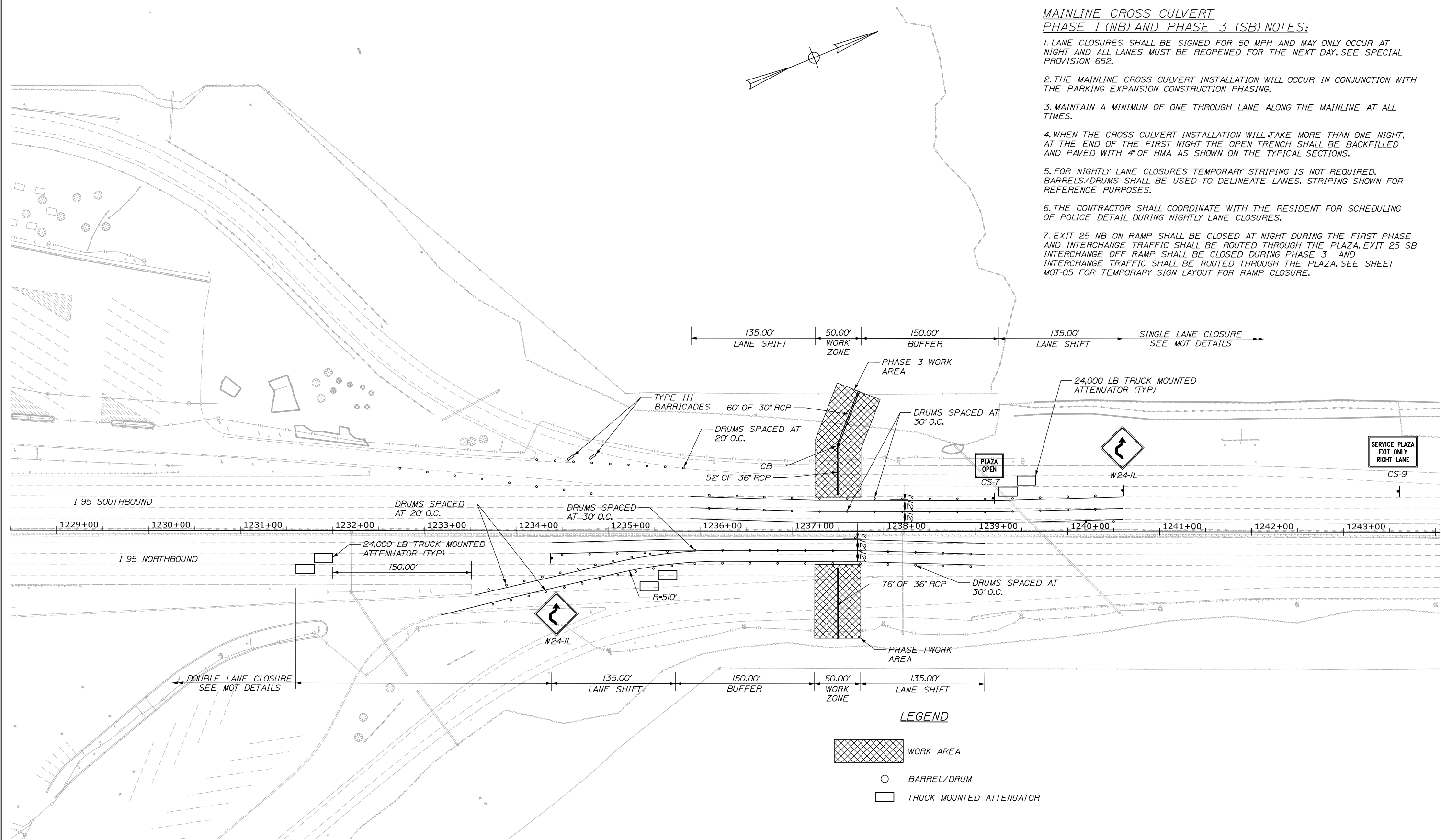
SHEET NUMBER: MOT-10
 CONTRACT: 2019.02
 24 OF 158

Filename: 00X_SB MOT Phase II_03.dgn

**MAINLINE CROSS CULVERT
PHASE 1 (NB) AND PHASE 3 (SB) NOTES:**

1. LANE CLOSURES SHALL BE SIGNED FOR 50 MPH AND MAY ONLY OCCUR AT NIGHT AND ALL LANES MUST BE REOPENED FOR THE NEXT DAY. SEE SPECIAL PROVISION 652.
2. THE MAINLINE CROSS CULVERT INSTALLATION WILL OCCUR IN CONJUNCTION WITH THE PARKING EXPANSION CONSTRUCTION PHASING.
3. MAINTAIN A MINIMUM OF ONE THROUGH LANE ALONG THE MAINLINE AT ALL TIMES.
4. WHEN THE CROSS CULVERT INSTALLATION WILL TAKE MORE THAN ONE NIGHT, AT THE END OF THE FIRST NIGHT THE OPEN TRENCH SHALL BE BACKFILLED AND PAVED WITH 4" OF HMA AS SHOWN ON THE TYPICAL SECTIONS.
5. FOR NIGHTLY LANE CLOSURES TEMPORARY STRIPING IS NOT REQUIRED. BARRELS/DRUMS SHALL BE USED TO DELINEATE LANES. STRIPING SHOWN FOR REFERENCE PURPOSES.
6. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT FOR SCHEDULING OF POLICE DETAIL DURING NIGHTLY LANE CLOSURES.
7. EXIT 25 NB ON RAMP SHALL BE CLOSED AT NIGHT DURING THE FIRST PHASE AND INTERCHANGE TRAFFIC SHALL BE ROUTED THROUGH THE PLAZA. EXIT 25 SB INTERCHANGE OFF RAMP SHALL BE CLOSED DURING PHASE 3 AND INTERCHANGE TRAFFIC SHALL BE ROUTED THROUGH THE PLAZA. SEE SHEET MOT-05 FOR TEMPORARY SIGN LAYOUT FOR RAMP CLOSURE.

Date: 10/23/2019



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	PEK	10\19
Drawn	WAD	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
MAINLINE CROSS CULVERT - PHASE 1 & 3
SHEET NUMBER: MOT-11

CONTRACT: 2019.02

25 OF 158

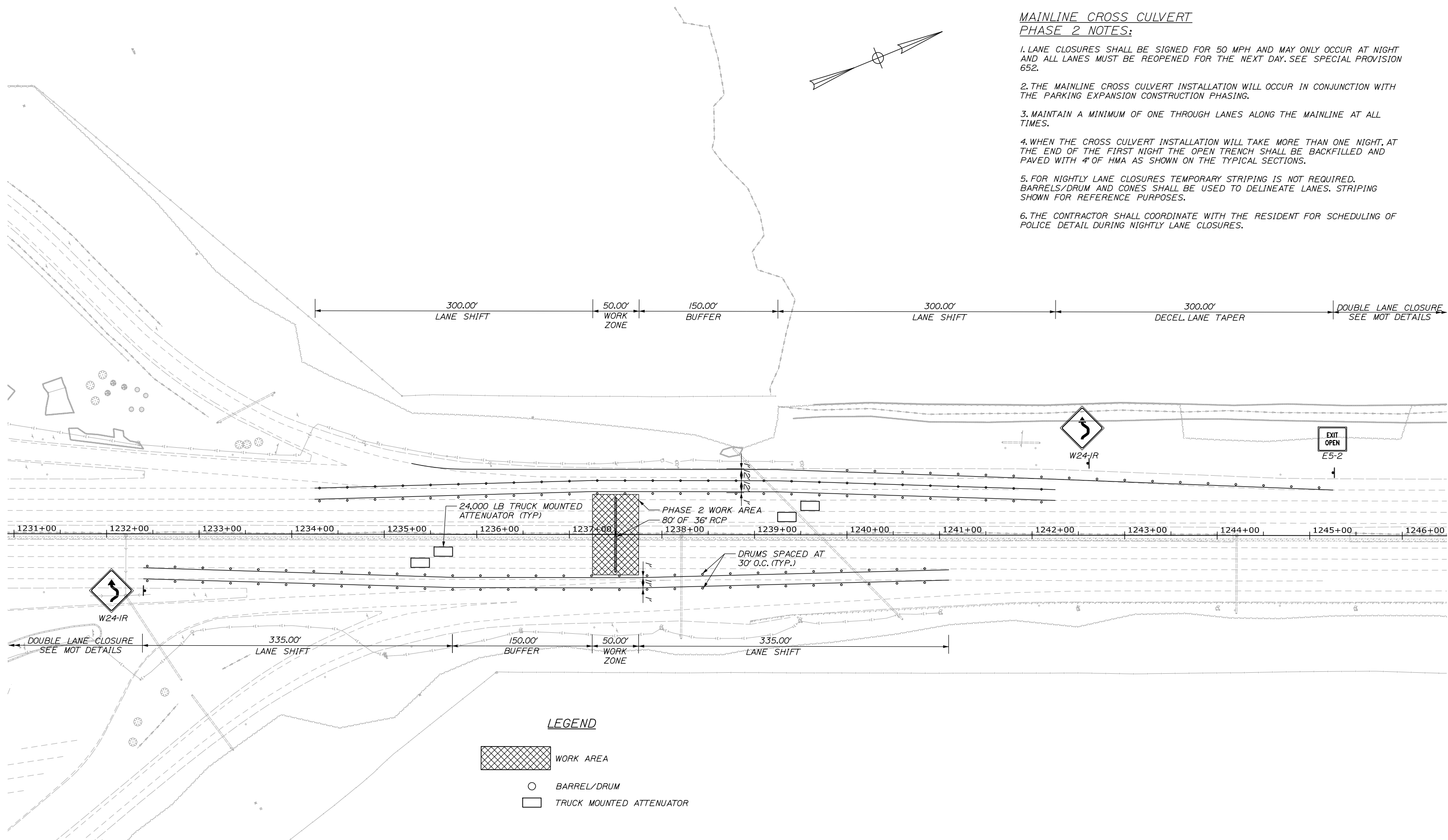
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Date: 10/23/2019

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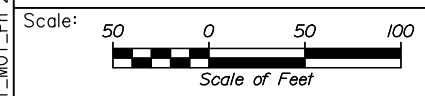
**MAINLINE CROSS CULVERT
PHASE 2 NOTES:**

1. LANE CLOSURES SHALL BE SIGNED FOR 50 MPH AND MAY ONLY OCCUR AT NIGHT AND ALL LANES MUST BE REOPENED FOR THE NEXT DAY. SEE SPECIAL PROVISION 652.
2. THE MAINLINE CROSS CULVERT INSTALLATION WILL OCCUR IN CONJUNCTION WITH THE PARKING EXPANSION CONSTRUCTION PHASING.
3. MAINTAIN A MINIMUM OF ONE THROUGH LANES ALONG THE MAINLINE AT ALL TIMES.
4. WHEN THE CROSS CULVERT INSTALLATION WILL TAKE MORE THAN ONE NIGHT, AT THE END OF THE FIRST NIGHT THE OPEN TRENCH SHALL BE BACKFILLED AND PAVED WITH 4" OF HMA AS SHOWN ON THE TYPICAL SECTIONS.
5. FOR NIGHTLY LANE CLOSURES TEMPORARY STRIPING IS NOT REQUIRED. BARRELS/DRUM AND CONES SHALL BE USED TO DELINEATE LANES. STRIPING SHOWN FOR REFERENCE PURPOSES.
6. THE CONTRACTOR SHALL COORDINATE WITH THE RESIDENT FOR SCHEDULING OF POLICE DETAIL DURING NIGHTLY LANE CLOSURES.



LEGEND

- WORK AREA
- BARREL/DRUM
- TRUCK MOUNTED ATTENUATOR



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	PEK	10\19
Drawn	WAD	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

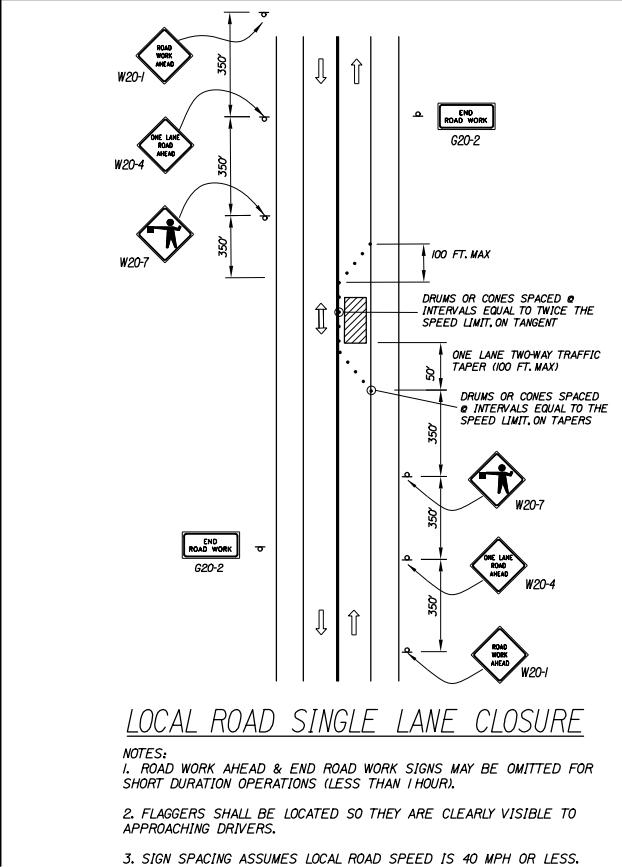
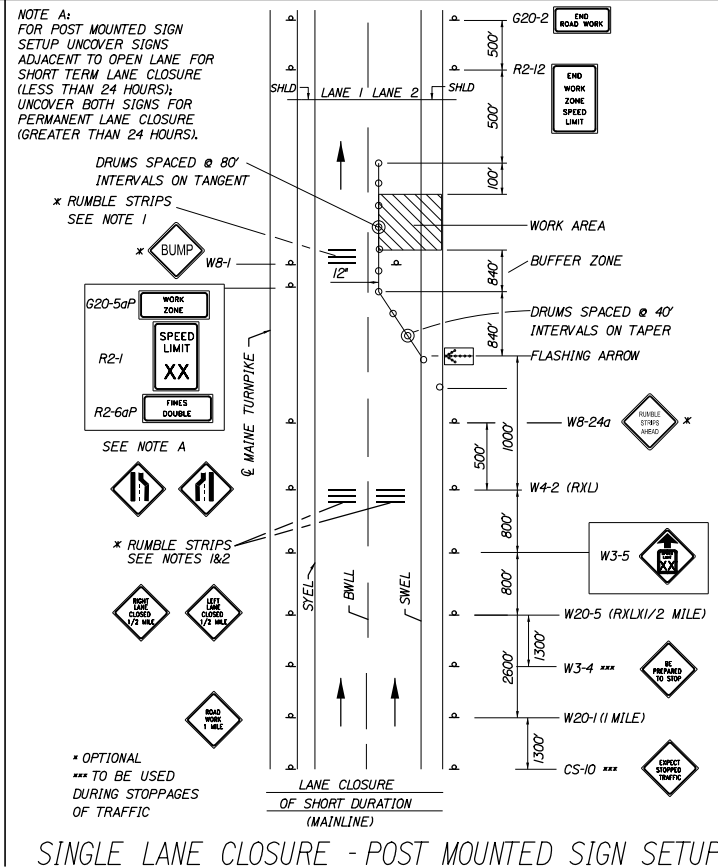
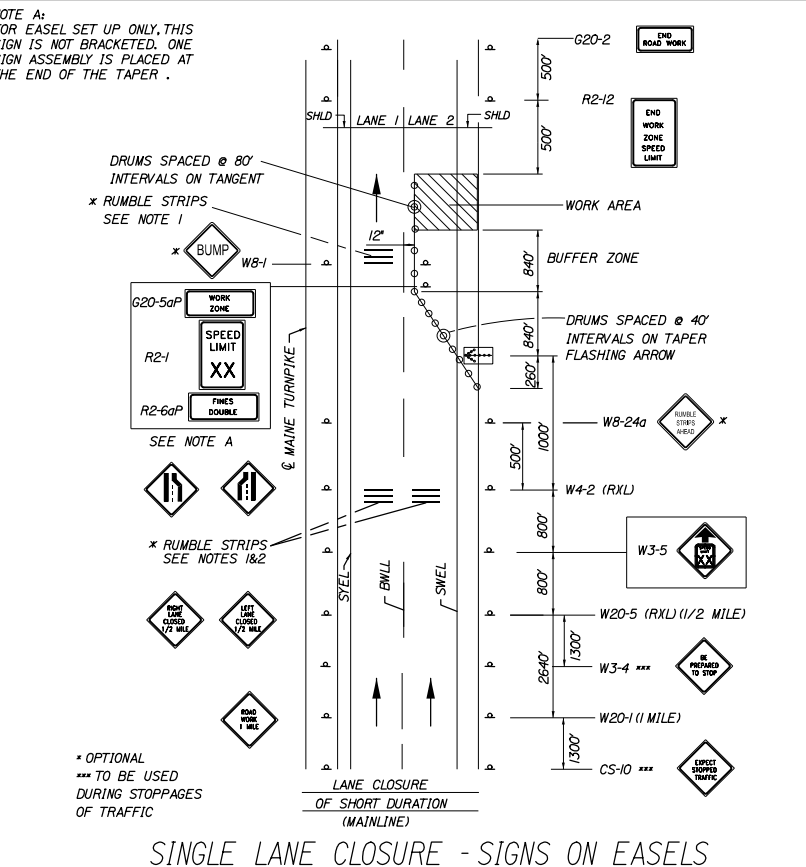
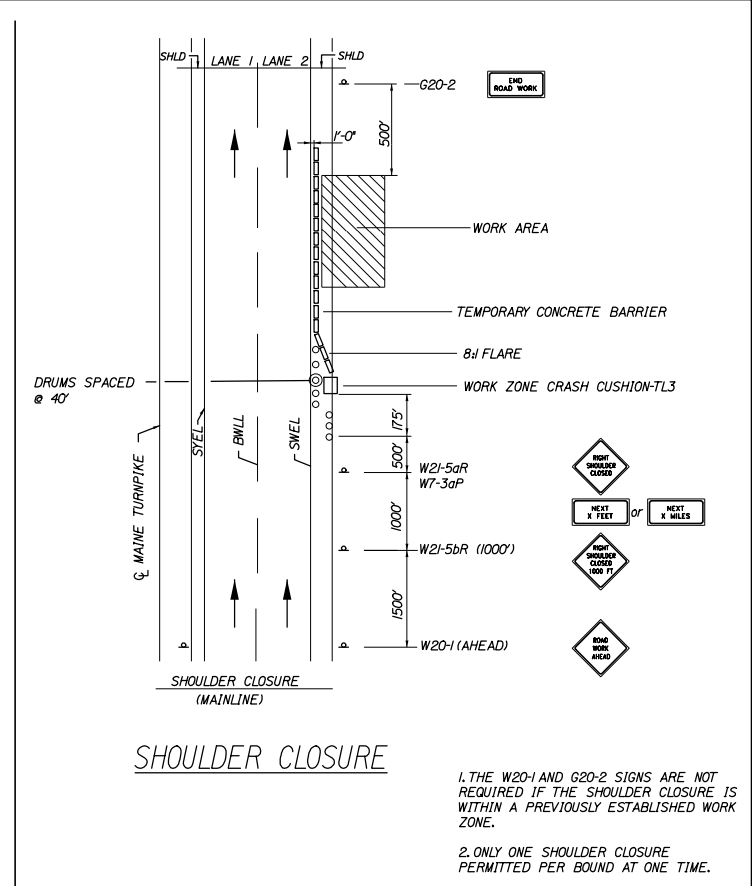
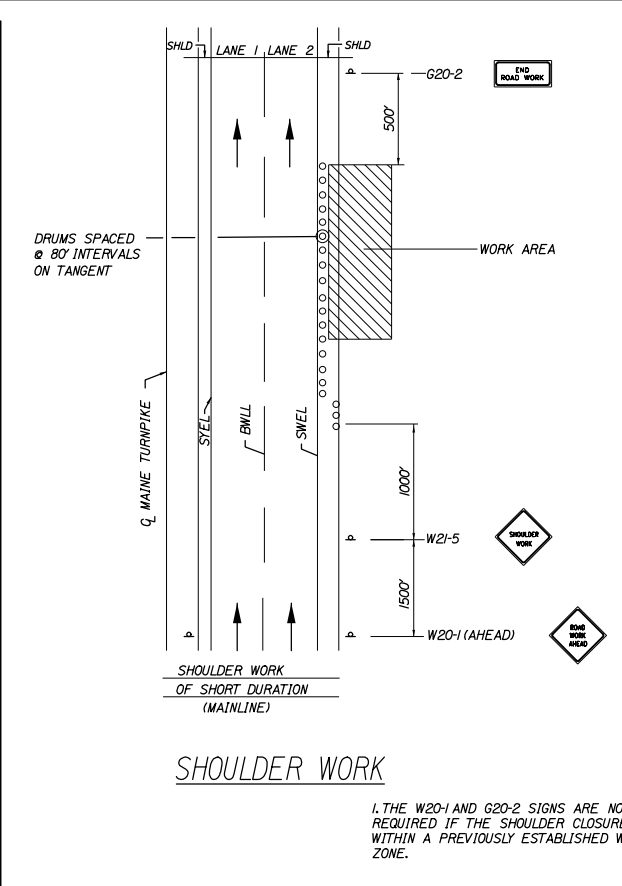
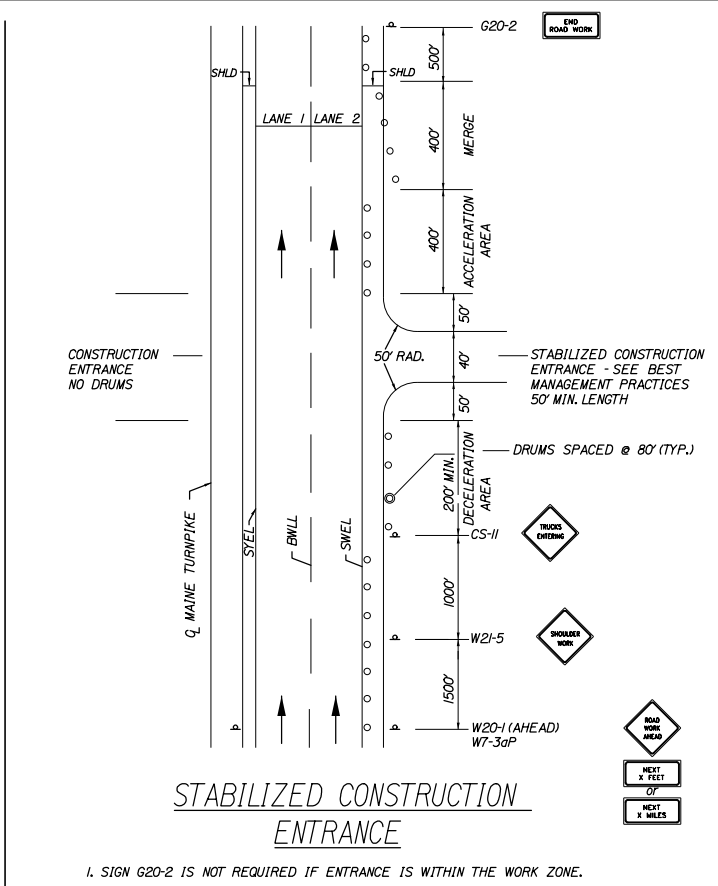
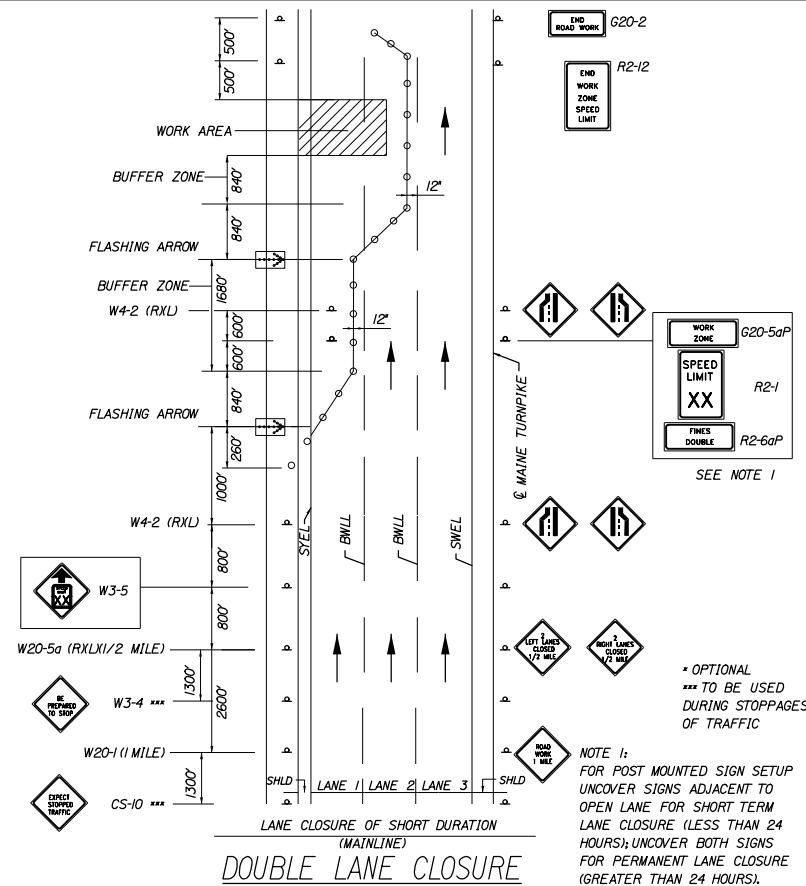
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
MAINLINE CROSS CULVERT - PHASE 2

CONTRACT: 2019.02

SHEET NUMBER: MOT-12

26 OF 158

Date:10/23/2019



GENERAL MAINTENANCE OF TRAFFIC NOTES:

- ALL PAVEMENT STRIPING & SIGNING SHALL BE IN ACCORDANCE WITH THE "MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES", U.S.D.O.T., F.H.W.A., LATEST EDITION.
- THESE PLANS SHOW THE GENERAL CONDITION FOR TURNPIKE MAINLINE TRAFFIC CONTROL DURING CONSTRUCTION. SLIGHT MODIFICATIONS IN CONSTRUCTION PROCEDURE MAY OCCUR AND MAY REQUIRE SOME MINOR ADJUSTMENTS TO BE MADE IN THE FIELD. ALL PROCEDURES MUST BE APPROVED BY THE RESIDENT.
- THE CONTRACTOR SHALL REMOVE ALL PAVEMENT MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS IN ACCORDANCE WITH THE SPECIFICATIONS AND MUTCD. PAYMENT SHALL BE MADE UNDER ITEM 627.77 - REMOVING PAVEMENT MARKINGS.
- EXPOSED BARRIER ENDS SHALL BE PROTECTED BY A WORK ZONE CRASH CUSHION. PAYMENT WILL BE UNDER ITEM 527.341 - WORK ZONE CRASH CUSHION - TL-3.
- SPEED LIMIT, STOP, YIELD AND EXIT SIGNS SHALL BE A MINIMUM OF 5' ABOVE THE PAVEMENT.

ABBREVIATIONS FOR ALL M.O.T. PLANS

BWLL = BROKEN WHITE LANE LINE
SWEL = SOLID WHITE EDGE LINE
SYEL = SOLID YELLOW EDGE LINE
TBWLL - TEMPORARY BROKEN WHITE LANE LINE
TSWLL = TEMPORARY SOLID WHITE LANE LINE
TSYLL = TEMPORARY SOLID YELLOW LANE LINE

TEMPORARY RUMBLE STRIP NOTES

- IF RUMBLE STRIPS ARE USED THEY SHALL BE PLACED IN ONE OF THE FOLLOWING CONFIGURATIONS:
 - ADJACENT TO THE WORK ZONE (1 UNIT)
 - UPSTREAM FROM THE TAPER FOR THE WORKZONE (2 UNITS)
 - BOTH ADJACENT TO THE WORKZONE AND PRIOR TO THE TAPER (3 UNITS)
 W8-1 SIGNS SHALL BE PLACED ADJACENT TO THE FIRST RUMBLE STRIP AT ANY LOCATION. ONLY ONE SET OF W8-24a SIGNS ARE REQUIRED FOR ANY OF THE ABOVE CONFIGURATIONS.
- RUMBLE STRIPS MAY BE PLACED UPSTREAM OF THE TAPER BETWEEN THE W3-5 SIGNS AND THE W4-2 SIGNS. IF RUMBLE STRIPS ARE INSTALLED PRIOR TO TAPER, W8-1 SIGNS SHALL BE PLACED ADJACENT TO THE FIRST STRIP AND THE W8-24a SIGNS SHALL BE MOVED TO 400' AFTER THE W20-5 SIGNS.

Filename: 00X_MOT_DETAILS.dgn

No.	Revision	By	Date

Scale: _____ Designed by: _____

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	LZD	10\19	Checked	DSS	10\19
Drawn	SLS	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

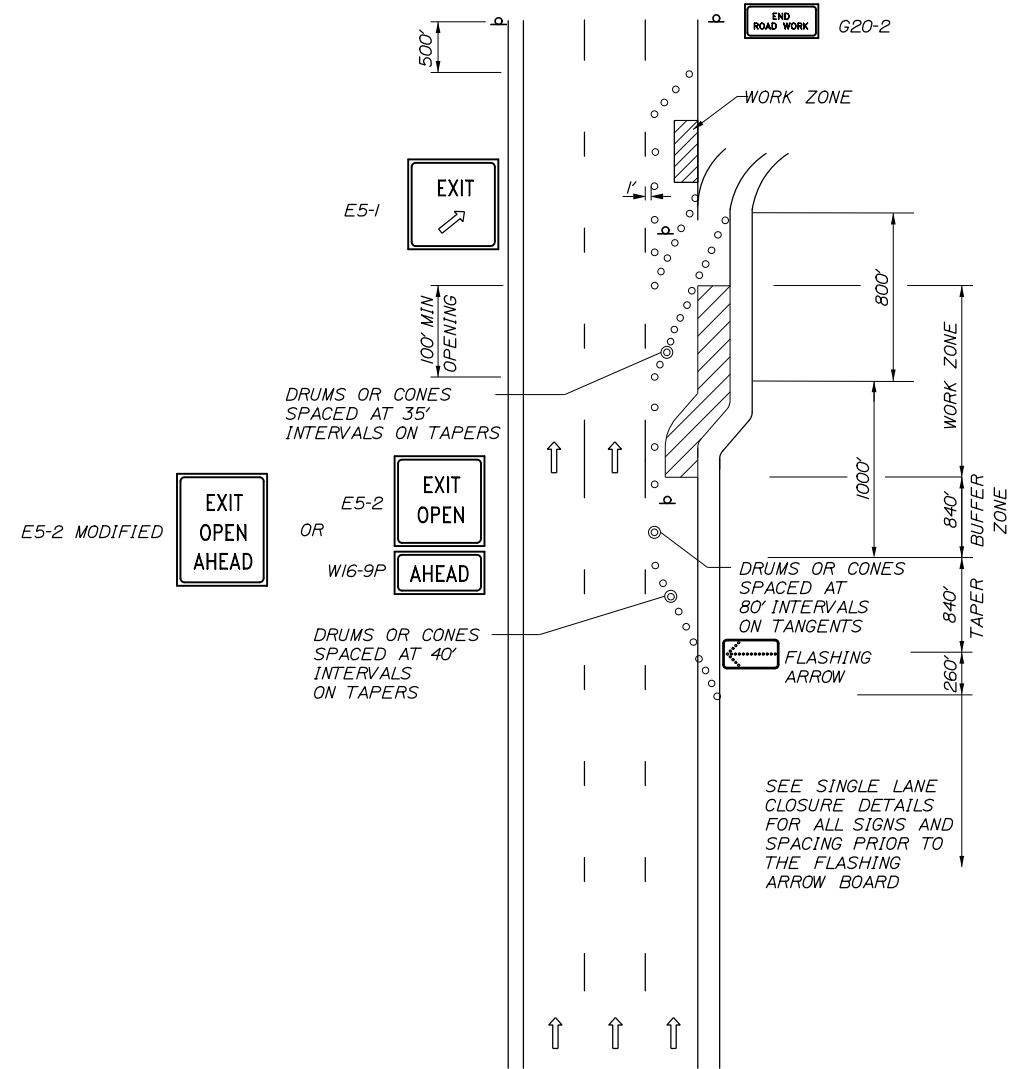
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

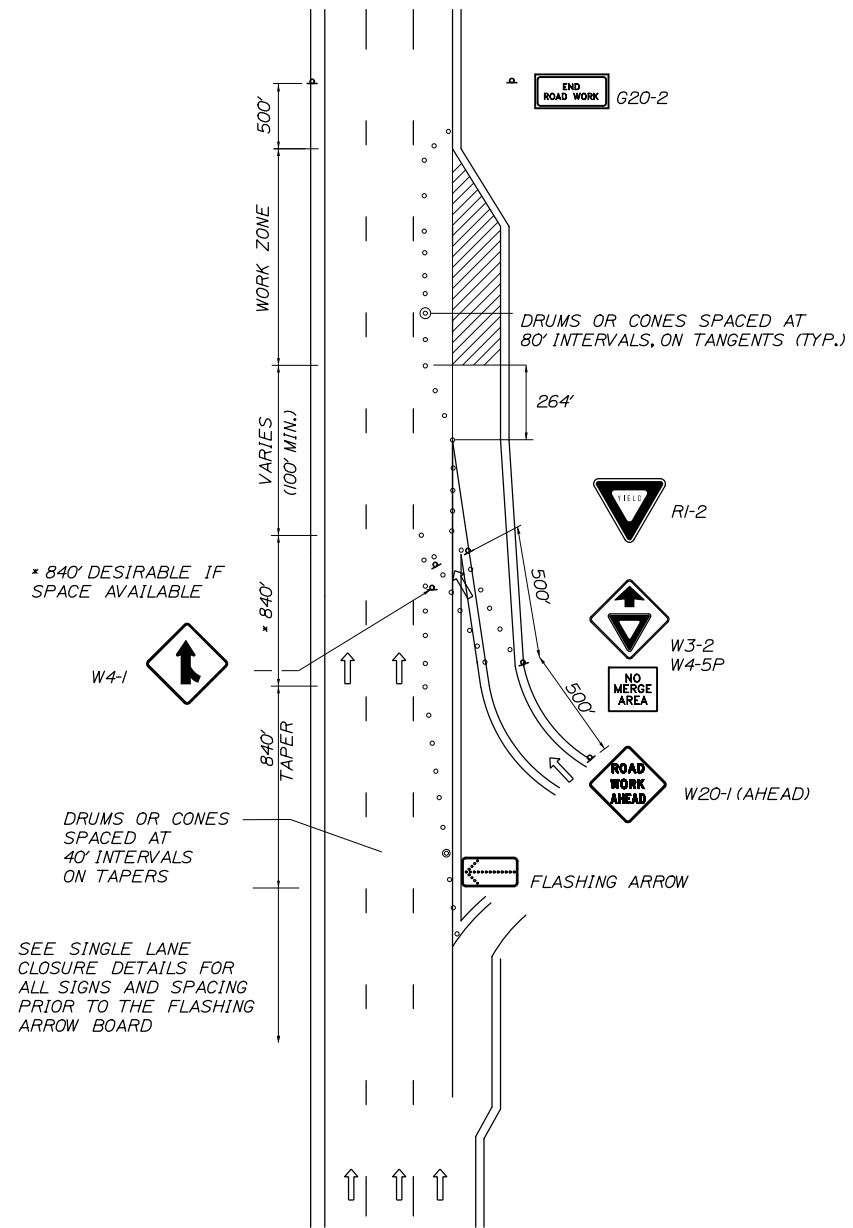
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
DETAILS I

SHEET NUMBER: MOT-13
CONTRACT:2019.02
27 OF 158

Date:10/23/2019



TRAVEL LANE CLOSURE AT AN EXIT RAMP



TRAVEL LANE CLOSURE AT AN ENTRANCE RAMP

NOTES:


1. FOR SIGN DETAILS, SEE MAINTENANCE OF TRAFFIC SIGN SUMMARY SHEETS.
2. WHERE STOP SIGNS ARE USED, A TEMPORARY 24" WHITE STOP BAR SHOULD BE PLACED ACROSS THE RAMP AT THE DESIRED STOP LOCATION.

LANE CLOSURES OF SHORT DURATION AT RAMPS
(MAINLINE)

No.		Revision		By	Date

Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	LZD	10\19	Checked	DSS	10\19
Drawn	SLS	10\19	In Charge of	RAL	10\19

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**MAINE
TURNPIKE**

**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
DETAILS II

SHEET NUMBER: MOT-14
CONTRACT:2019.02
28 OF 158

Filename: 00X_MOT_DETAILS_02.dgn

CONSTRUCTION SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
CS-1	48"	36"		8"E 8"D	7" 6" 7"		3				12.0 (36)
CS-2	30"	24"				18.25"x 29.25"	1				5.00 (5.00)
CS-3	54"	12"		6"C	3" 3"	4"x6"	1				4.50 (4.50)
CS-4	36"	30"		6"C 6"C	5" 8" 5"	6"x9" 6"x9"	1				7.50 (7.50)
CS-5	60"	12"		6"C	3" 3"	4"x6"	1				5.00 (5.00)
CS-6	54"	12"		6"C	3" 3"	4"x6"	1				4.50 (4.50)
CS-7	42"	36"		8"E 8"D	7" 6" 7"		1				10.50 (10.50)
CS-8L	66"	48"		6"C 6"C 6"C 6"C	5" 4.5" 4.5" 4" 4"	8"x12"	1				22.00 (22.00)
CS-8R	66"	48"		6"C 6"C 6"C 6"C	5" 4.5" 4.5" 4" 4"	8"x12"	1				22.00 (22.00)
CS-9	66"	36"		6"C 6"C 6"C	4.5" 4.5" 4.5"		1				16.50 (16.50)
CS-10	48"	48"					4				16.00 (64.00)
CS-14	30"	24"		6"C 6"C	4" 4" 4"		4				5.00 (20.00)

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER		
CS-16a	78"	24"		6"C 6"C	4" 4" 4"	6"x9"	1				13.00 (13.00)
CS-16b	78"	24"		6"C 6"C	4" 4" 4"	6"x9"	1				13.00 (13.00)
E5-1	72"	60"					1				30.00 (30.00)
E5-2	48"	36"					1				12.00 (12.00)
G20-2	48"	24"					5				8.00 (40.00)
G20-5ap	36"	24"					4				6.00 (24.00)
M1-01	36"	36"					1				9.00 (9.00)
M4-05	36"	18"					1				4.50 (4.50)
M4-10R	48"	18"					1				6.00 (6.00)
R1-2	60"	60"					1				12.5 (12.5)
R2-1	36"	48"					4				12.00 (48.00)
R2-12	24"	36"					4				6.00 (24.00)
R2-6ap	36"	24"					4				6.00 (24.00)
W3-2	48"	48"					1				16.00 (16.00)

Date:10/23/2019

Filename: 00X_MOT_Sign_Summary.dgn

Scale:

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

By	Date	By	Date
Designed	LZD 10\19	Checked	DSS 10\19
Drawn	AJM 10\19	In Charge of	RAL 10\19

HNTB CORPORATION
 340 County Road, Suite 6-C
 Westbrook, ME 04092
 TEL (207) 774-5155
 FAX (207) 228-0909

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 SIGN SUMMARY

SHEET NUMBER: MOT-15
 CONTRACT:2019.02
 29 OF 158

CONSTRUCTION SIGN SUMMARY

IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
W3-4	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO *2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT*			4	COLORS SHALL CONFORM TO *2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT*			16.00 (64.00)
W3-5	48"	48"					4				16.00 (64.00)
W4-1	48"	48"					1				16.00 (16.00)
W4-2L	48"	48"					4				16.00 (64.00)
W4-2R	48"	48"					4				16.00 (64.00)
W4-5P	24"	30"					1				5.00 (5.00)
W7-3aP	36"	30"					3				7.50 (22.50)
W16-9P	30"	18"					3				3.75 (11.25)
W20-1 (AHEAD) (MILE)	48"	48"					8 4				16.00 (128.00) (64.00)
W20-4	48"	48"					4				16.00 (64.00)

IDENTIFI- CATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		BORDER RADIUS	AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK- GROUND	LEGEND BORDER		
W20-5R	48"	48"		TEXT DIMENSIONS SHALL CONFORM TO *2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT*			2	COLORS SHALL CONFORM TO *2004 EDITION - STANDARD HIGHWAY SIGNS - 2012 SUPPLEMENT*			16.00 (64.00)
W20-5aL	48"	48"					4				16.00 (64.00)
W20-5aR	48"	48"					2				16.00 (32.00)
W21-5aR	48"	48"					4				16.00 (64.00)
W21-5bR	48"	48"					3				16.00 (48.00)
W24-1L	48"	48"					2				16.00 (32.00)
W24-1R	48"	48"					2				16.00 (32.00)

Date:10/23/2019

Filename: 00X_MOT_Sign_Summary_02.dgn

Scale:			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	By	Date
Designed	LZD 10\19	Checked	DSS 10\19
Drawn	AJM 10\19	In Charge of	RAL 10\19

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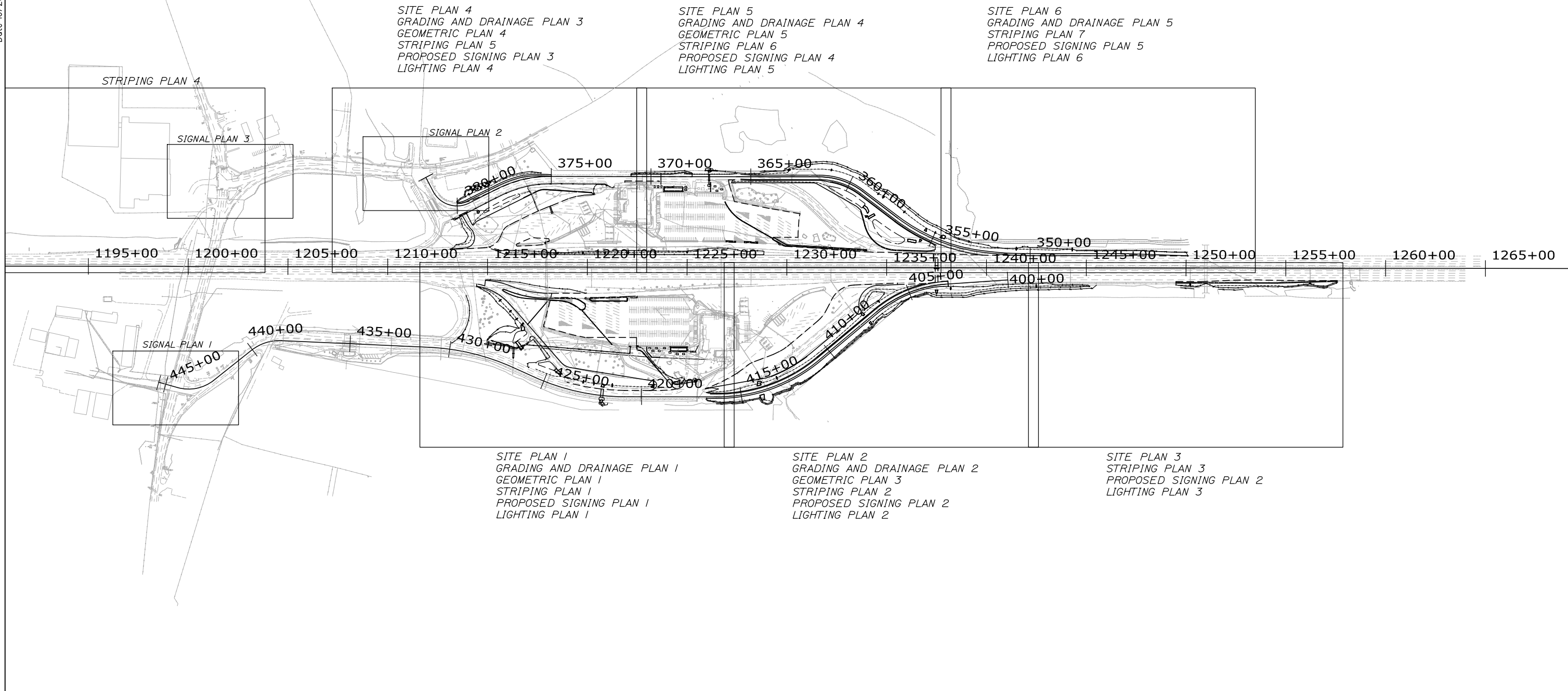
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 SIGN SUMMARY

SHEET NUMBER: MOT-16
 CONTRACT:2019.02
 30 OF 158

Date: 10/23/2019



Scale: 250 0 250 500
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

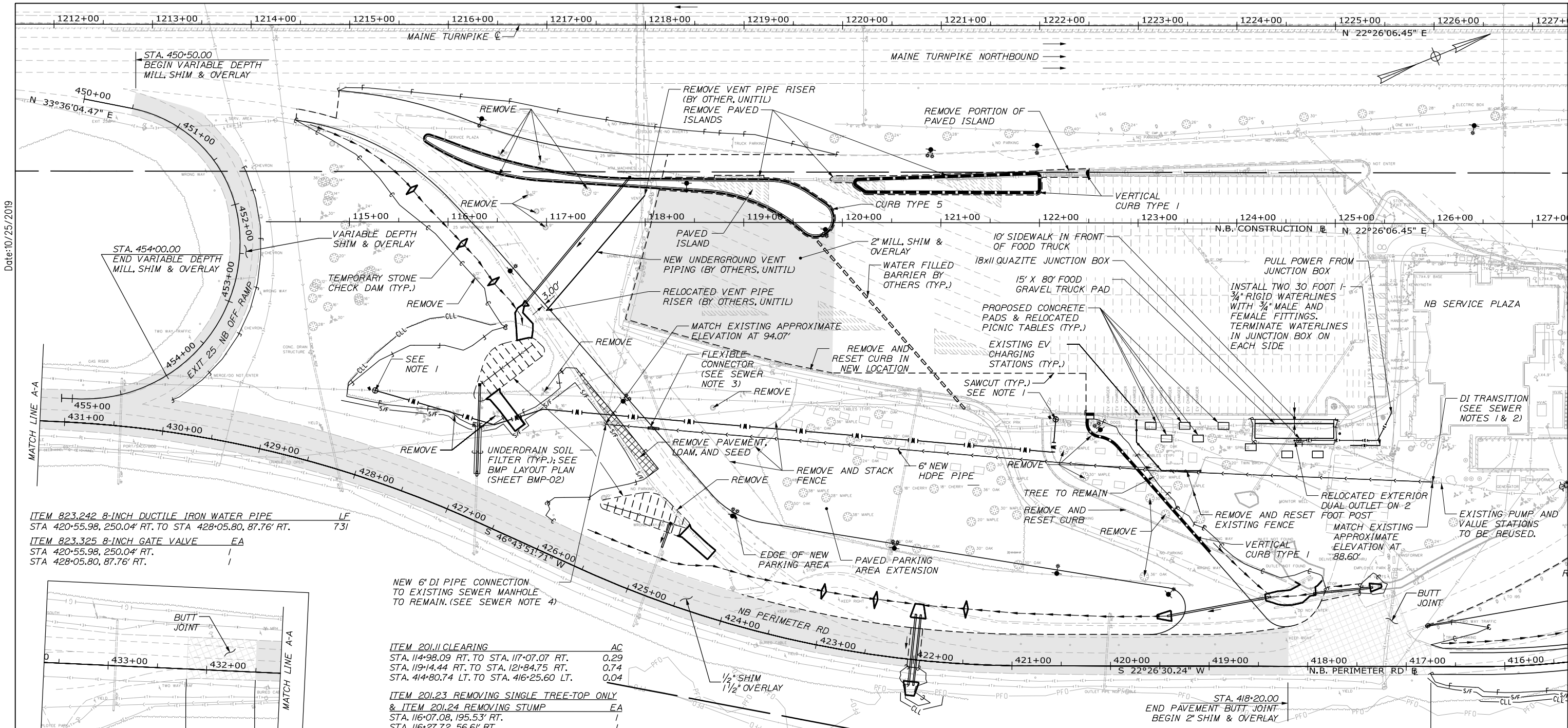
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

KEY PLAN

SHEET NUMBER: KP-01
31 OF 158

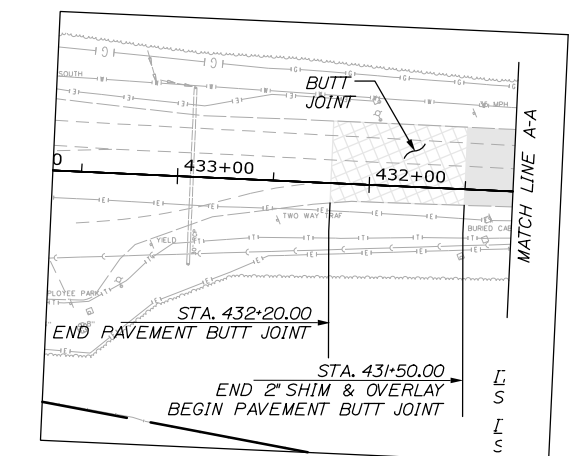
CONTRACT: 2019.02

Filename: 00X_Key Plan.dgn



ITEM 823.242 8-INCH DUCTILE IRON WATER PIPE LF
 STA 420-55.98, 250.04' RT. TO STA 428-05.80, 87.76' RT. 731

ITEM 823.325 8-INCH GATE VALVE EA
 STA 420-55.98, 250.04' RT. 1
 STA 428-05.80, 87.76' RT. 1



ITEM 201.11 CLEARING AC
 STA. 114-98.09 RT. TO STA. 117-07.07 RT. 0.29
 STA. 119-14.44 RT. TO STA. 121-84.75 RT. 0.74
 STA. 414-80.74 LT. TO STA. 416-25.60 LT. 0.04

ITEM 201.23 REMOVING SINGLE TREE-TOP ONLY & ITEM 201.24 REMOVING STUMP EA
 STA. 116-07.08, 195.53' RT. /
 STA. 116-27.72, 56.61' RT. /
 STA. 116-47.96, 196.46' RT. /
 STA. 116-51.52, 47.42' LT. /
 STA. 116-52.75, 68.03' LT. /
 STA. 116-81.41, 27.98' LT. /
 STA. 116-94.07, 61.52' LT. /
 STA. 116-97.74, 172.30' RT. /
 STA. 117-40.65, 31.14' LT. /
 STA. 122-25.06, 230.48' RT. /
 STA. 122-45.97, 257.18' RT. /
 STA. 122-53.05, 215.72' RT. /
 STA. 123-06.90, 358.36' RT. /
 STA. 123-12.43, 279.07' RT. /
 STA. 123-28.32, 295.20' RT. /
 STA. 127-97.62, 327.41' RT. /

ITEM 607.24 REMOVE AND RESET FENCE LF
 STA. 419-09.19, 197.97' LT. TO STA. 419-74.05, 249.13' LT. (CEDAR RAIL) 100

ITEM 608.08 REINFORCED CONCRETE SIDEWALK SY
 STA. 122-47.47 RT. TO STA. 122-55.47 RT.
 STA. 124-14.67 RT. TO STA. 125-02.99 RT.

ITEM 610.08 PLAIN RIPRAP CY
 STA. 116-76.15, 84.96' RT. (NB-P1) 3.4
 STA. 417-94.00, 73.93' RT. TO STA. 418-39.87, 69.92' RT. (NB-P5 & NB-P6) 36.6
 STA. 417-34.31, 79.98' RT. (NB-P6) 3.5
 STA. 419-42.09, 50.73' RT. (NB-P5) 5.4
 STA. 422-00.00, 46.00' RT. (NB-P3 & NB-P4) 9.2
 STA. 422-00.00, 26.00' LT. (NB-P3 & NB-P4) 9.2

ITEM 656.632 30 INCH TEMPORARY SILT FENCE LF
 STA. 114-92.05, 180.97' RT. TO STA. 117-97.23, 261.48' RT. 397

ITEM 610.18 STONE DITCH PROTECTION CY
 STA. 426-06.00, 118.00' RT. TO STA. 426-64.00, 110.00' RT. 20.6
 STA. 426-90.00, 193.00' RT. TO STA. 427-11.00, 210.00' RT. 14.0
 STA. 424-27.00, 67.00' RT. TO STA. 424-71.00, 68.00' RT. 17.7

ITEM 610.181 TEMPORARY STONE CHECK DAM CY
 STA. 115-63.65, 33.09' LT. 2.5
 STA. 116-15.11, 21.84' RT. 2.5
 STA. 116-45.90, 60.73' RT. 2.5
 STA. 423-03.38, 54.59' RT. 2.5
 STA. 422-47.17, 55.72' RT. 2.5
 STA. 421-49.99, 55.81' RT. 2.5

NOTE:
 1. INTERCEPT EXISTING 8" ASBESTOS CEMENT WATER LINE. EXACT LOCATION TO BE DETERMINED IN THE FIELD. CONNECT PROPOSED 8" DUCTILE IRON PIPE TO EXISTING ACP USING SOLID DUCTILE IRON SLEEVE COUPLINGS. SPECIAL PROCEDURES AND HANDLING PERTAIN TO WORKING WITH ASBESTOS CEMENT PIPE, SEE SPECIFICATIONS.
 2. SEE GN-01 ON PAGE 4 FOR UTILITY SPECIFIC NOTES.

Scale: 50 0 50 100
 Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB CORPORATION
 340 County Road, Suite 6-C
 Westbrook, ME 04092
 TEL (207) 774-5155
 FAX (207) 228-0909

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

THE GOLD STAR
 MEMORIAL HIGHWAY

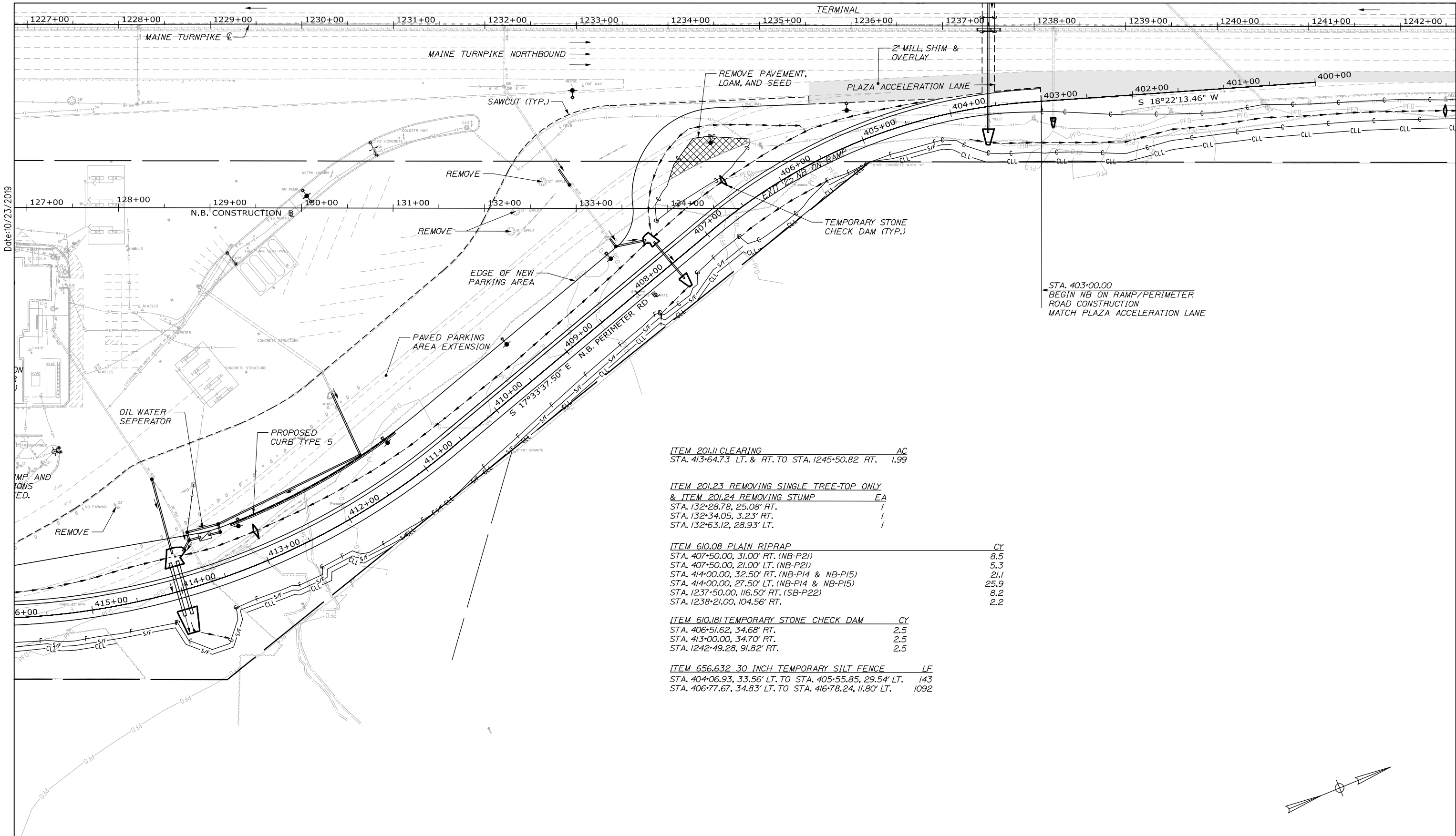
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SITE PLAN 1
 NORTHBOUND PLAZA

SHEET NUMBER: SP-01
 CONTRACT: 2019.02
 32 OF 158

Date: 10/25/2019
 File name: 00X_Site Plan1.dgn

Date: 10/23/2019



ITEM 201.11 CLEARING AC
 STA. 413+64.73 LT. & RT. TO STA. 1245+50.82 RT. 1.99

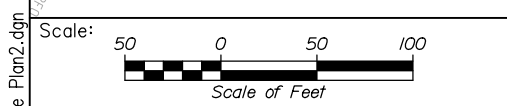
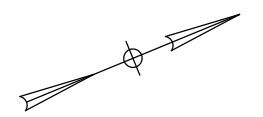
ITEM 201.23 REMOVING SINGLE TREE-TOP ONLY
 & ITEM 201.24 REMOVING STUMP EA
 STA. 132+28.78, 25.08' RT. /
 STA. 132+34.05, 3.23' RT. /
 STA. 132+63.12, 28.93' LT. /

ITEM 610.08 PLAIN RIPRAP CY
 STA. 407+50.00, 31.00' RT. (NB-P21) 8.5
 STA. 407+50.00, 21.00' LT. (NB-P21) 5.3
 STA. 414+00.00, 32.50' RT. (NB-P14 & NB-P15) 21.1
 STA. 414+00.00, 27.50' LT. (NB-P14 & NB-P15) 25.9
 STA. 1237+50.00, 116.50' RT. (SB-P22) 8.2
 STA. 1238+21.00, 104.56' RT. 2.2

ITEM 610.181 TEMPORARY STONE CHECK DAM CY
 STA. 406+51.62, 34.68' RT. 2.5
 STA. 413+00.00, 34.70' RT. 2.5
 STA. 1242+49.28, 91.82' RT. 2.5

ITEM 656.632 30 INCH TEMPORARY SILT FENCE LF
 STA. 404+06.93, 33.56' LT. TO STA. 405+55.85, 29.54' LT. 143
 STA. 406+77.67, 34.83' LT. TO STA. 416+78.24, 11.80' LT. 1092

STA. 403+00.00
 BEGIN NB ON RAMP/PERIMETER
 ROAD CONSTRUCTION
 MATCH PLAZA ACCELERATION LANE



No.	Revision	By	Date


Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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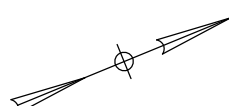
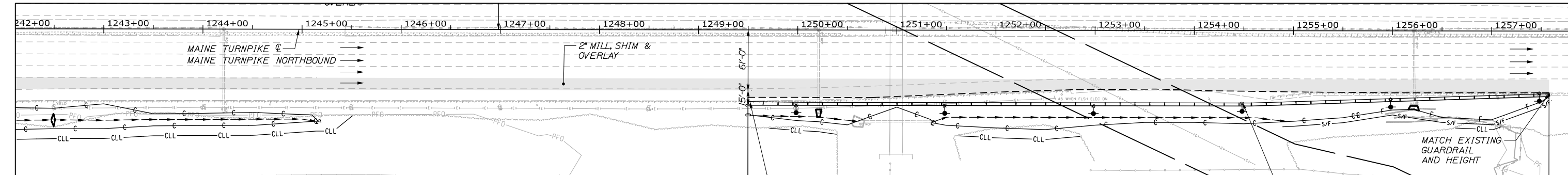
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SITE PLAN 2
 NORTHBOUND PLAZA

SHEET NUMBER: SP-02
 CONTRACT: 2019.02
 33 OF 158

Date: 10/23/2019



ITEM 201.11 CLEARING	AC
STA. 1249+71.35 RT. TO STA. 1250+39.16 RT.	.01
STA. 1251+62.46 RT. TO STA. 1252+85.06 RT.	.02
STA. 1256+63.78 RT. TO STA. 1257+09.67 RT.	.01
ITEM 610.08 PLAIN RIPRAP	CY
STA. 1250+21.22, 83.87' RT.	2.0
STA. 1256+22.35, 76.29' RT.	2.1
ITEM 606.1301 3" W-BEAM GUARDRAIL - MID-WAY SPLICE	
(7' STEEL POST, 8" OFFSET BLOCKS, SINGLE FACED)	LF
STA. 1249+50.00, 72.22' RT. TO STA. 1257+58.00, 63.18' RT.	808'
ITEM 656.632 30 INCH TEMPORARY SILT FENCE	LF
STA. 1254+89.30, 96.94' RT. TO STA. 1257+60.68, 70.10' RT.	278

Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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Westbrook, ME 04092
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
SITE PLAN 3
NORTHBOUND PLAZA

SHEET NUMBER: SP-03

CONTRACT: 2019.02

34 OF 158

Date: 10/23/2019

ITEM 201.11 CLEARING AC
 STA. 214+31.33 LT. & RT. TO STA. 215+53.48 LT. & RT. 0.17
 STA. 216+05.70 LT. TO STA. 217+47.74 LT. 0.21
 STA. 217+94.21 LT. TO STA. 218+72.88 LT. 0.04

ITEM 201.23 REMOVING SINGLE TREE-TOP ONLY & ITEM 201.24 REMOVING STUMP EA
 STA. 215+68.23, 102.59' LT. 1
 STA. 379+14.94, 56.34' RT. 1

ITEM 610.08 PLAIN RIPRAP CY
 STA. 215+94.31, 129.58' RT. (SB-P1) 2.3
 STA. 379+19.37, 38.03' RT. (SB-P3) 2.0

ITEM 656.632 30 INCH TEMPORARY SILT FENCE LF
 STA. 378+11.27, 33.90' RT. TO STA. 380+04.01, 21.19' RT. 201

NOTES:

1. INTERCEPT EXISTING 8" ASBESTOS CEMENT WATER LINE. EXACT LOCATION TO BE DETERMINED IN THE FIELD. CONNECT PROPOSED 8" DUCTILE IRON PIPE TO EXISTING ACP USING SOLID DUCTILE IRON SLEEVE COUPLINGS. SPECIAL PROCEDURES AND HANDLING PERTAIN TO WORKING WITH ASBESTOS CEMENT PIPE, SEE SPECIFICATIONS.

2. SHALLOW FIBER OPTIC LINE IN THE AREA OF STA. 1213+50+/- . CAUTION SHOULD BE TAKEN WHILE WORKING NEAR THIS LINE.

ITEM 823.2432 8-INCH DUCTILE IRON WATER PIPE LF
 STA. 371+85.17, 51.71' LT. TO STA. 380+11.55, 66.69' LT. 848

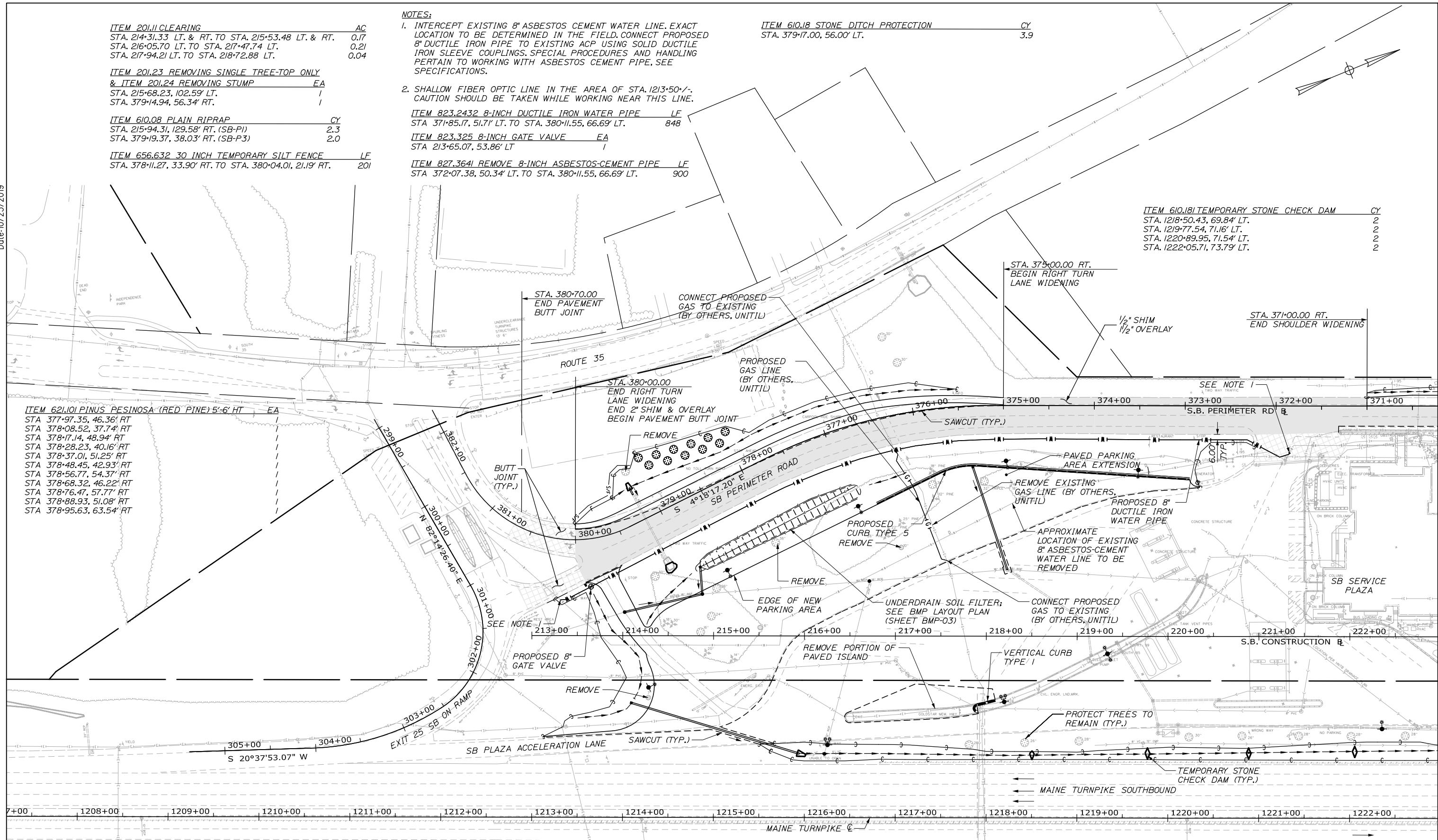
ITEM 823.325 8-INCH GATE VALVE EA
 STA. 213+65.07, 53.86' LT. 1

ITEM 827.3641 REMOVE 8-INCH ASBESTOS-CEMENT PIPE LF
 STA. 372+07.38, 50.34' LT. TO STA. 380+11.55, 66.69' LT. 900

ITEM 610.18 STONE DITCH PROTECTION CY
 STA. 379+17.00, 56.00' LT. 3.9

ITEM 610.181 TEMPORARY STONE CHECK DAM CY
 STA. 1218+50.43, 69.84' LT. 2
 STA. 1219+77.54, 71.16' LT. 2
 STA. 1220+89.95, 71.54' LT. 2
 STA. 1222+05.71, 73.79' LT. 2

ITEM 621.101 PINUS RESINOSA (RED PINE) 5'-6' HT EA
 STA. 377+97.35, 46.36' RT
 STA. 378+08.52, 37.74' RT
 STA. 378+17.14, 48.94' RT
 STA. 378+28.23, 40.16' RT
 STA. 378+37.01, 51.25' RT
 STA. 378+48.45, 42.93' RT
 STA. 378+56.77, 54.37' RT
 STA. 378+68.32, 46.22' RT
 STA. 378+76.47, 57.77' RT
 STA. 378+88.93, 51.08' RT
 STA. 378+95.63, 63.54' RT



Scale: 0 50 100
 Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SITE PLAN 4
 SOUTHBOUND PLAZA

SHEET NUMBER: SP-04
 35 OF 158

CONTRACT: 2019.02

ITEM 201.11 CLEARING AC
 STA. 227+36.66 LT. TO STA. 229+57.71 LT. 0.24
 STA. 231+77.74 RT. TO STA. 232+44.69 RT. 0.04
 STA. 353+04.01 LT. & RT. TO STA. 364+54.38 LT. & RT. 2.92
 STA. 366+84.77 RT. TO STA. 367+28.77 RT. 0.01

ITEM 201.23 REMOVING SINGLE TREE-TOP ONLY & ITEM 201.24 REMOVING STUMP EA
 STA. 225+59.92, 109.64' RT. /
 STA. 226+82.32, 110.32' RT. /
 STA. 227+39.69, 111.99' RT. /
 STA. 233+43.23, 103.44' RT. /
 STA. 233+51.57, 103.07' RT. /
 STA. 233+64.21, 100.52' RT. /

ITEM 606.1301 31" W-BEAM GUARDRAIL - MID-WAY SPLICE (7" POST, 8" OFFSET BLOCKS, SINGLE FACED) LF
 STA. 355+07.24 LT. TO STA. 360+86.85 LT. 575.0
 STA. 233+71.38 LT. TO STA. 1237+02.75 LT. 437.5

ITEM 606.1307 31" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL EA
 STA. 355+07.24, 20.16' LT. /
 STA. 1237+02.75, 80.77' LT. /

ITEM 606.79 GUARDRAIL 350 FLARED TERMINAL EA
 STA. 366+06.63, 12.00' RT. /
 STA. 367+94.13, 12.00' RT. /

ITEM 607.24 REMOVE AND RESET FENCE LF
 STA. 366+68.83, 29.56' RT. TO STA. 367+28.83, 30.20' RT. (CEDAR RAIL) 60
 STA. 367+01.67, 74.60' LT. TO STA. 367+01.67, 29.60' LT. (CEDAR RAIL) 45

ITEM 608.08 REINFORCED CONCRETE SIDEWALK SY
 STA. 368+38.93 LT. TO STA. 369+36.22 LT.

ITEM 609.31 CURB TYPE 3 LF
 STA. 1234+54.04, 115.00' LT. TO STA. 1235+97.65, 83.65' LT. 150.0

ITEM 610.08 PLAIN RIPRAP CY
 STA. 233+96.66, 56.05' LT. (SB-P15) 4.5
 STA. 354+63.00, 22.27' RT. (SB-P21) 4.0
 STA. 355+50.00, 22.00' RT. (SB-P23) 5.4
 STA. 355+50.00, 34.00' LT. (SB-P23) 5.3
 STA. 358+24.56, 38.61' RT. (SB-P16) 2.8
 STA. 361+2.88, 33.34' LT. (UD OUTLET PAD) 0.5
 STA. 363+09.23, 34.96' RT. (SB-P10) 2.7
 STA. 367+01.94, 28.85' RT. TO STA. 367+09.00, 26.16' RT. (SB-P7 & SB-P25) 4.6

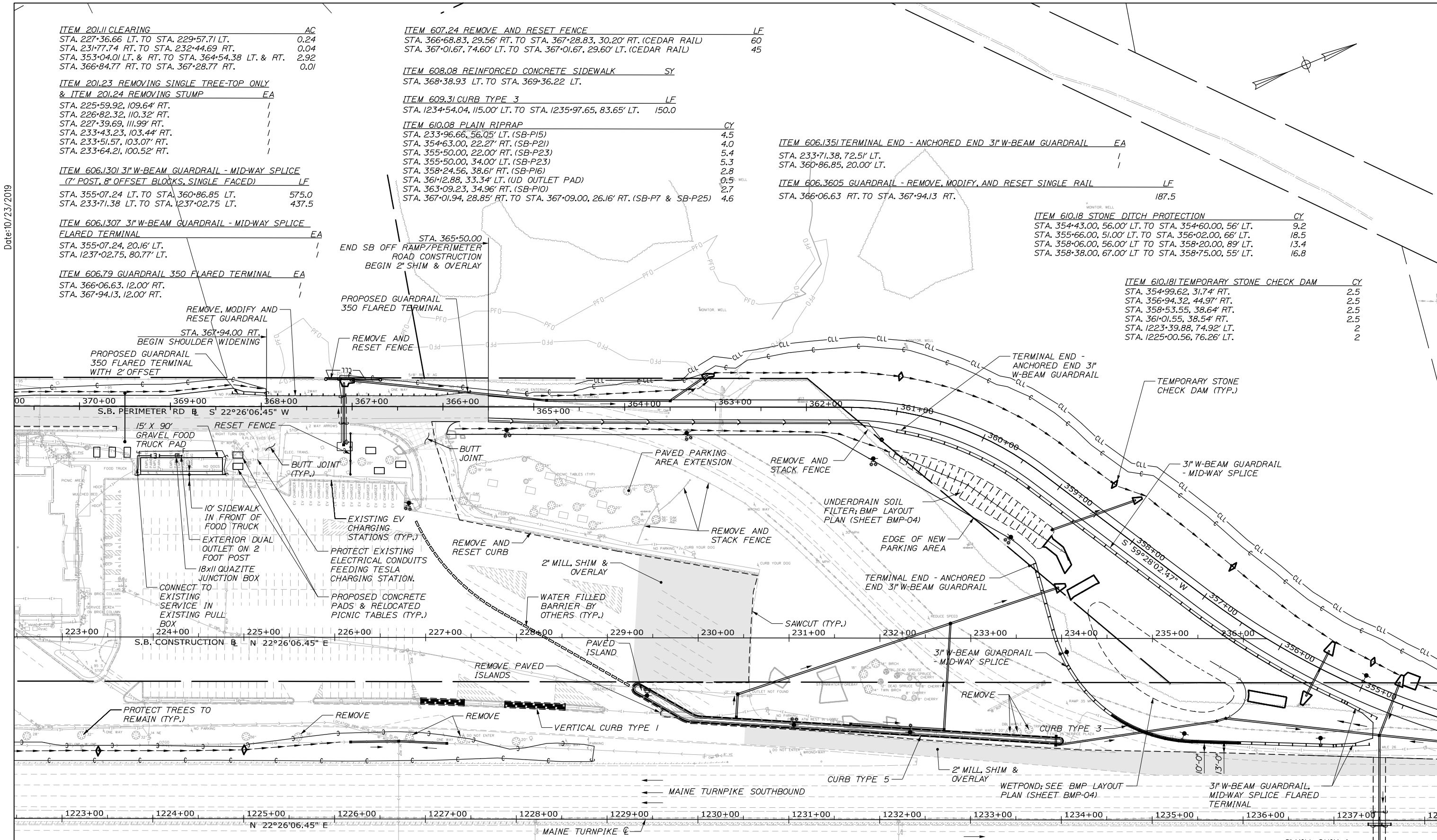
ITEM 606.1351 TERMINAL END - ANCHORED END 31" W-BEAM GUARDRAIL EA
 STA. 233+71.38, 72.51' LT. /
 STA. 360+86.85, 20.00' LT. /

ITEM 606.3605 GUARDRAIL - REMOVE, MODIFY, AND RESET SINGLE RAIL LF
 STA. 366+06.63 RT. TO STA. 367+94.13 RT. 187.5

ITEM 610.18 STONE DITCH PROTECTION CY
 STA. 354+43.00, 56.00' LT. TO STA. 354+60.00, 56' LT. 9.2
 STA. 355+66.00, 51.00' LT. TO STA. 356+02.00, 66' LT. 18.5
 STA. 358+06.00, 56.00' LT. TO STA. 358+20.00, 89' LT. 13.4
 STA. 358+38.00, 67.00' LT. TO STA. 358+75.00, 55' LT. 16.8

ITEM 610.181 TEMPORARY STONE CHECK DAM CY
 STA. 354+99.62, 31.74' RT. 2.5
 STA. 356+94.32, 44.97' RT. 2.5
 STA. 358+53.55, 38.64' RT. 2.5
 STA. 361+01.55, 38.54' RT. 2.5
 STA. 1223+39.88, 74.92' LT. 2
 STA. 1225+00.56, 76.26' LT. 2

Date: 10/23/2019



Scale: 50 0 50 100
 Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

HNTB CORPORATION
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 Westbrook, ME 04092
 TEL (207) 774-5155
 FAX (207) 228-0909

MAINE TURNPIKE

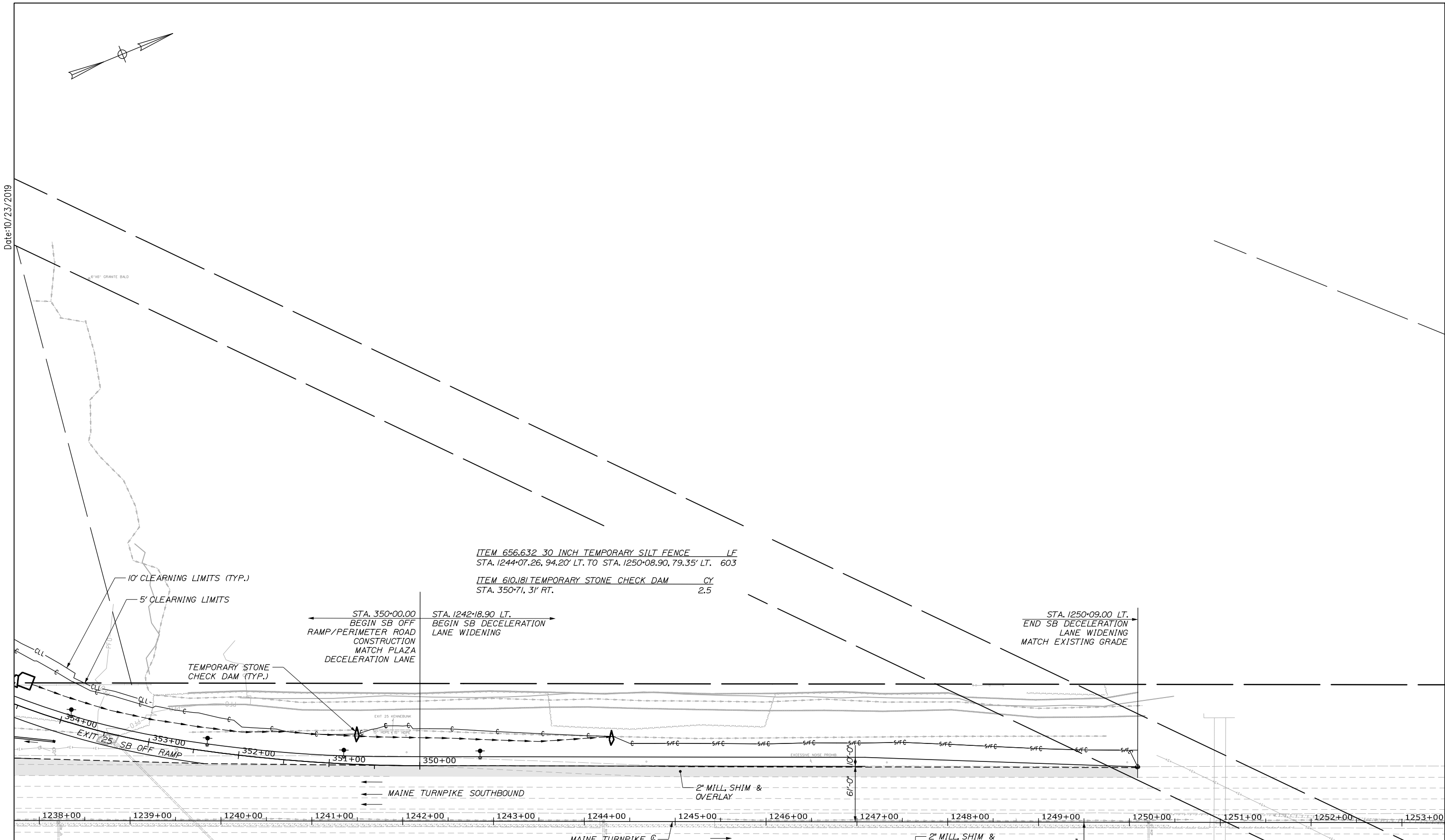
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SITE PLAN 5
 SOUTHBOUND PLAZA

SHEET NUMBER: SP-05
 CONTRACT: 2019.02
 36 OF 158

Date: 10/23/2019



Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

Designed by:

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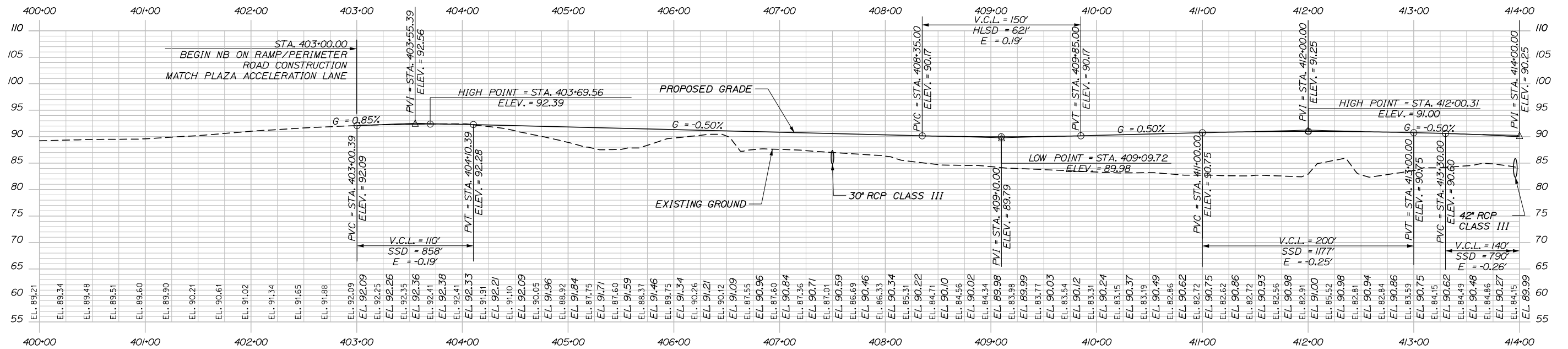
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

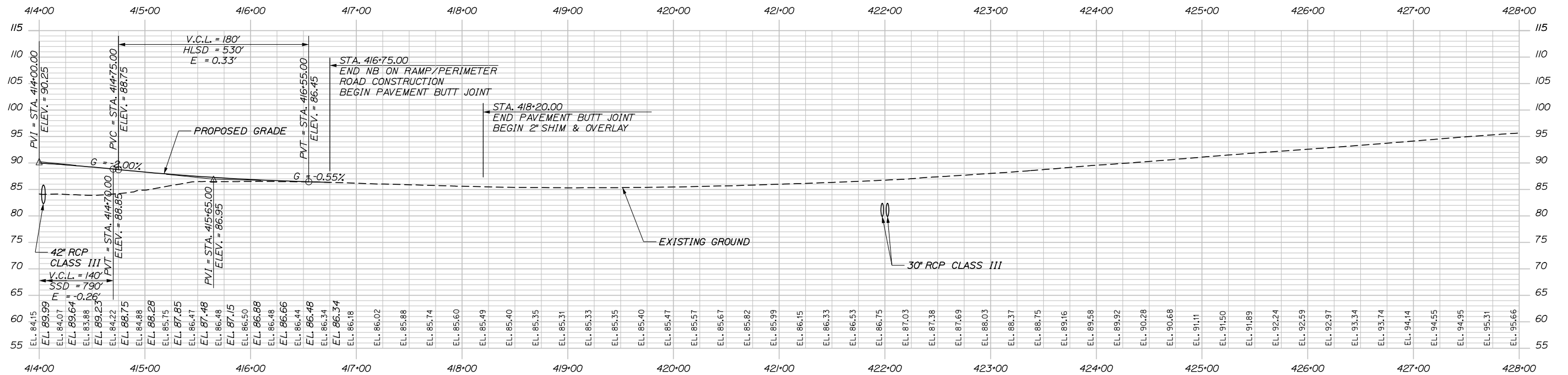
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
SITE PLAN 6
SOUTHBOUND PLAZA

SHEET NUMBER: SP-06
CONTRACT: 2019.02
37 OF 158

Date: 10/23/2019



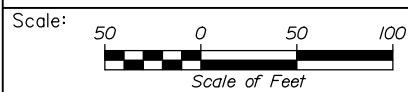
NORTHBOUND ON RAMP/PERIMETER ROAD PROFILE



NORTHBOUND ON RAMP/PERIMETER ROAD PROFILE

NOTE:
1. PROPOSED 2" SHIM AND OVERLAY FROM STA 418+20 TO 431+50 (SEE SITE PLANS)

Filename: 00X_NB Perimeter Profile 1.dgn



No.	Revision	By	Date

Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

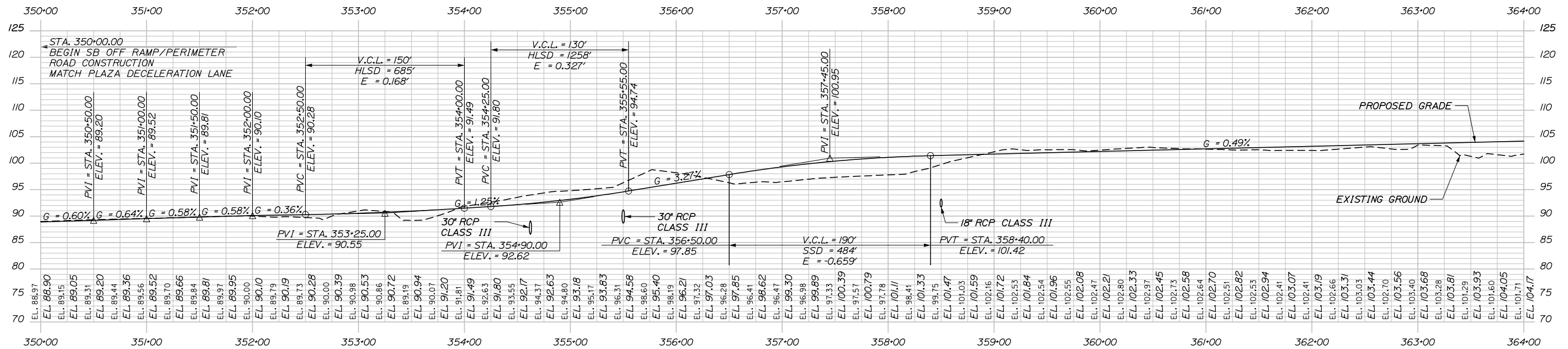
PROFILES (1 OF 2)

SHEET NUMBER: PR-01

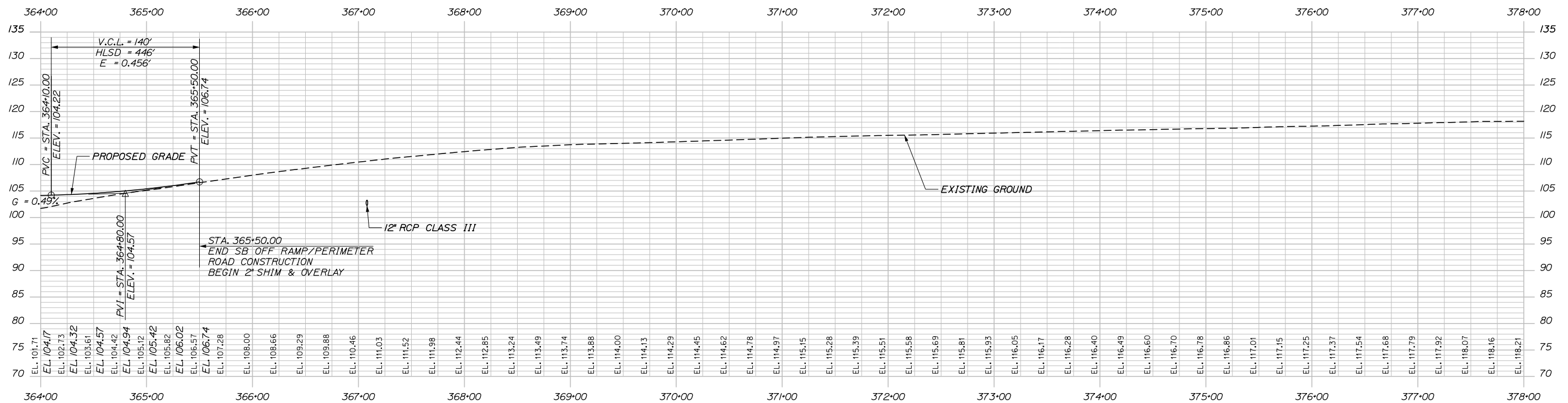
CONTRACT: 2019.02

38 OF 158

Date: 10/23/2019



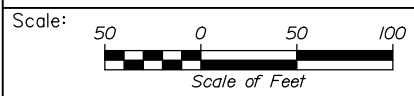
SOUTHBOUND OFF RAMP/PERIMETER ROAD PROFILE



SOUTHBOUND OFF RAMP/PERIMETER ROAD PROFILE

NOTE:
1. PROPOSED 2" SHIM AND OVERLAY FROM STA 365+50 TO 380+00 (SEE SITE PLANS)

Filename: 00X_SB Perimeter Profile 1.dgn



Designed by:



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

PROFILES (2 OF 2)

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

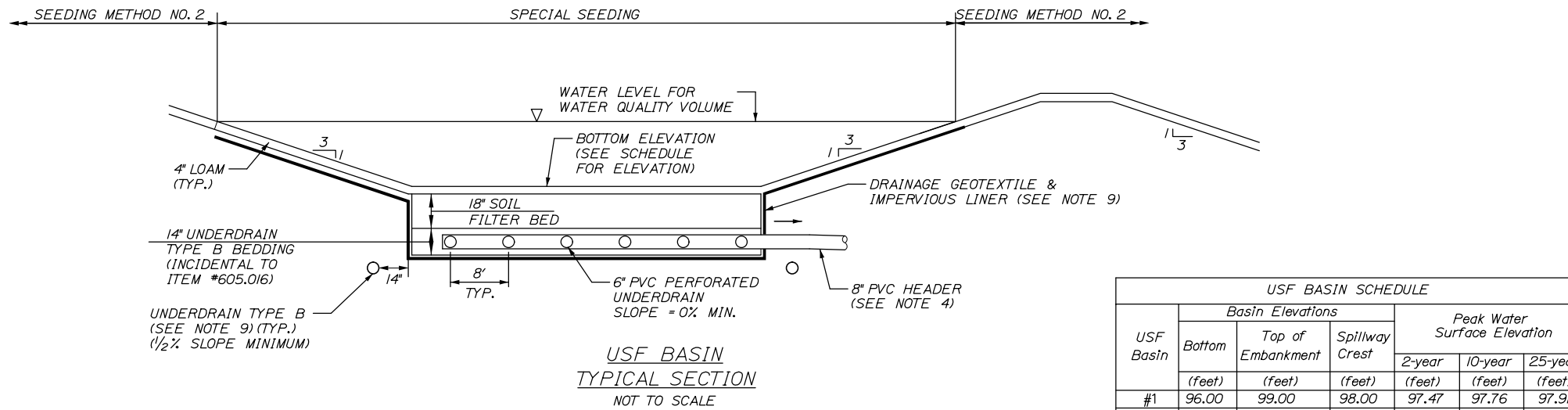
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

SHEET NUMBER: PR-02

39 OF 158

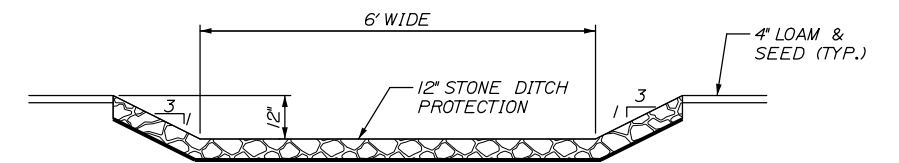
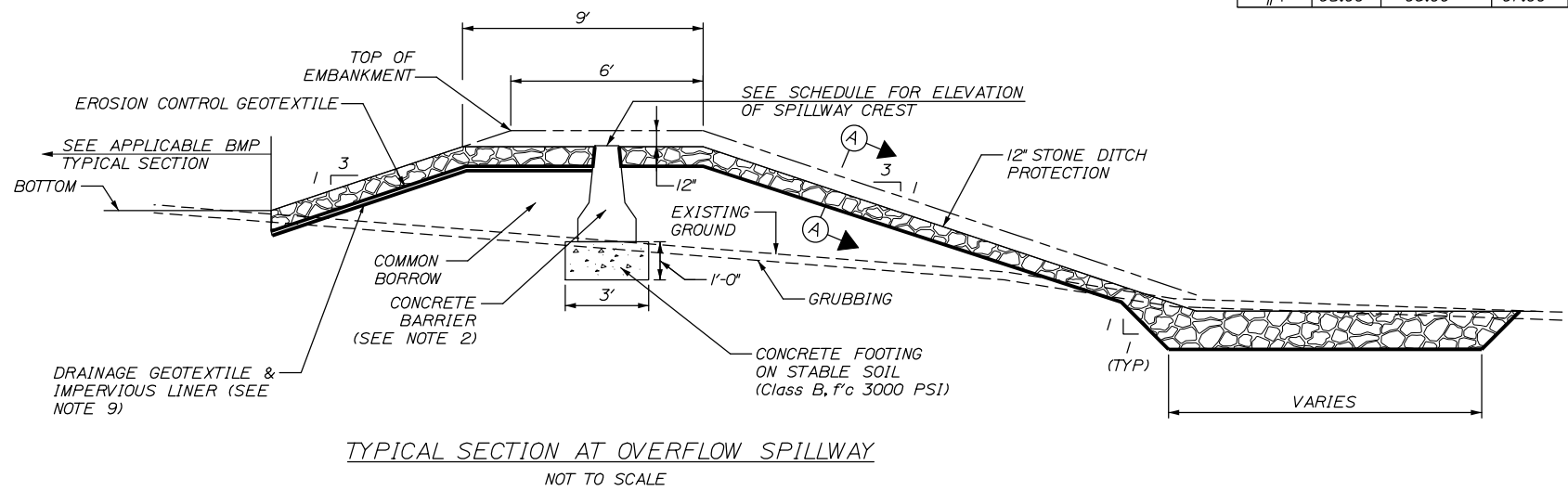
Date:10/23/2019



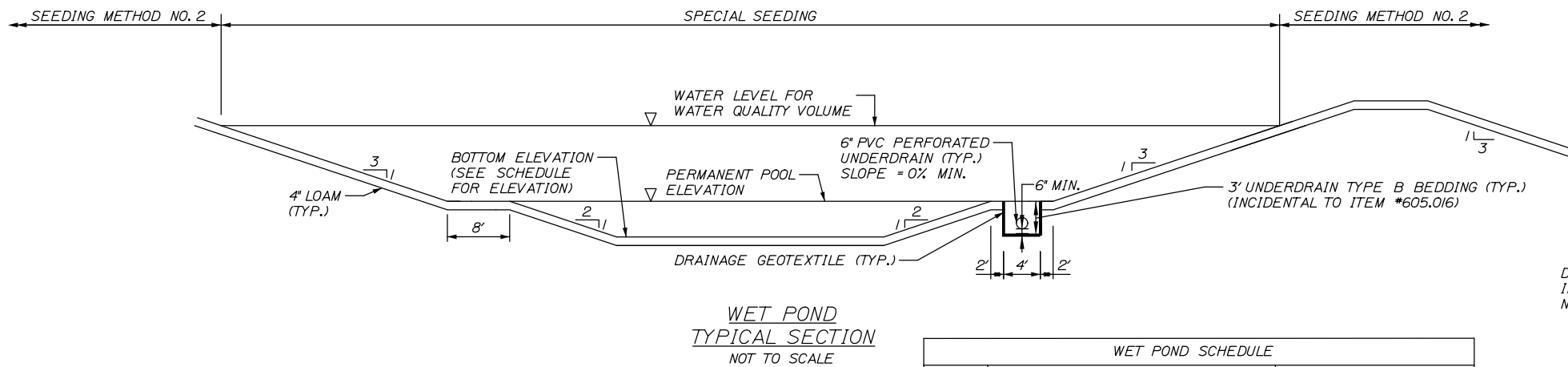
USF Basin	Basin Elevations			Peak Water Surface Elevation		
	Bottom	Top of Embankment	Spillway Crest	2-year	10-year	25-year
	(feet)	(feet)	(feet)	(feet)	(feet)	(feet)
#1	96.00	99.00	98.00	97.47	97.76	97.91
#2	89.00	92.00	91.00	90.96	91.26	91.39
#3	108.00	112.00	N/A	109.46	110.46	110.65
#4	95.00	98.00	97.00	96.54	96.90	97.15

NOTES:

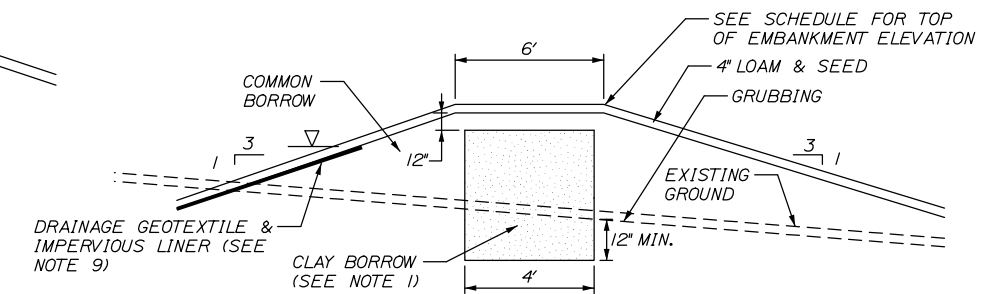
1. AT EMERGENCY SPILLWAY, IMPERMEABLE SOIL (EMBANKMENT CORE) SHALL TIE INTO CONCRETE BARRIER AND EXTEND 3 FEET ALONG EACH END OF CONCRETE BARRIER.
2. SET TOP OF CONCRETE BARRIER LEVEL AT THE DESIGNATED ELEVATION OF SPILLWAY CREST. PAYMENT SHALL BE MADE UNDER ITEM 526.307 CONCRETE BARRIER TYPE 1- STORMWATER FILTER.
3. FOR LAYOUT OF UNDERDRAIN SOIL FILTER (USF BASINS) AND PIPE, SEE BMP LAYOUT PLAN.
4. 8" PVC UNDERDRAIN HEADER/OUTLET SHALL NOT BE SLOTTED. 8" PVC SHALL OUTLET AS SHOWN ON PLANS.
5. SURFACE OF SOIL FILTER SHALL BE SEEDED WITH WETLAND SEED 'NEW ENGLAND EROSION CONTROL/RESTORATION MIX' AS SPECIFIED IN SECTION 618 OF THE SPECIFICATIONS. PAYMENT SHALL BE MADE UNDER ITEM 618.143 - SPECIAL SEEDING.
6. THE UNDERDRAINED SOIL FILTER SHALL BE CONSTRUCTED TO THE LIMITS AND DETAILS SHOWN ON THE PLANS AND SPECIFICATIONS UNLESS OTHERWISE APPROVED BY THE RESIDENT.
7. THE FILTER BED MATERIAL SHALL NOT BE PLACED IN USF BASINS UNTIL THE TRIBUTARY DRAINAGE AREA IS PERMANENTLY STABILIZED AGAINST EROSION.
8. EROSION CONTROL BLANKETS SHALL BE PROVIDED ON ALL USF BASIN EMBANKMENT SLOPES, BOTH INTERIOR AND EXTERIOR AND THE SURFACE OF THE SOIL FILTER.
9. USF#3 WILL REQUIRE INSTALLATION OF AN IMPERVIOUS LINER. THE IMPERVIOUS LINER SHALL BE CONSTRUCTED BY INSTALLING AN IMPERVIOUS LINER BETWEEN TWO LAYERS OF GEOTEXTILE PER SPECIAL PROVISION 620. UNDERDRAIN TYPE B SHALL BE INSTALLED AROUND THE PERIMETER OF THE IMPERVIOUS LAYER. THE UNDERDRAIN SHALL OUTLET TO A CATCH BASIN AS SHOWN IN THE PLANS.



EMERGENCY SPILLWAY SECTION A-A
NOT TO SCALE



Wet Pond	Basin Elevations				Peak Water Surface Elevation		
	Bottom	Permanent Pool	Top of Embankment	Spillway Crest	2-year	10-year	25-year
	(feet)	(feet)	(feet)	(feet)	(feet)	(feet)	(feet)
#1	85.00	89.00	93.50	91.50	90.55	91.08	91.47



TYPICAL SECTION AT EMBANKMENTS
NOT TO SCALE

Filename: 00X_Soil Filter Details.dgn

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	RWH	10\19
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB

BMP DETAILS

SHEET NUMBER: BMP-01

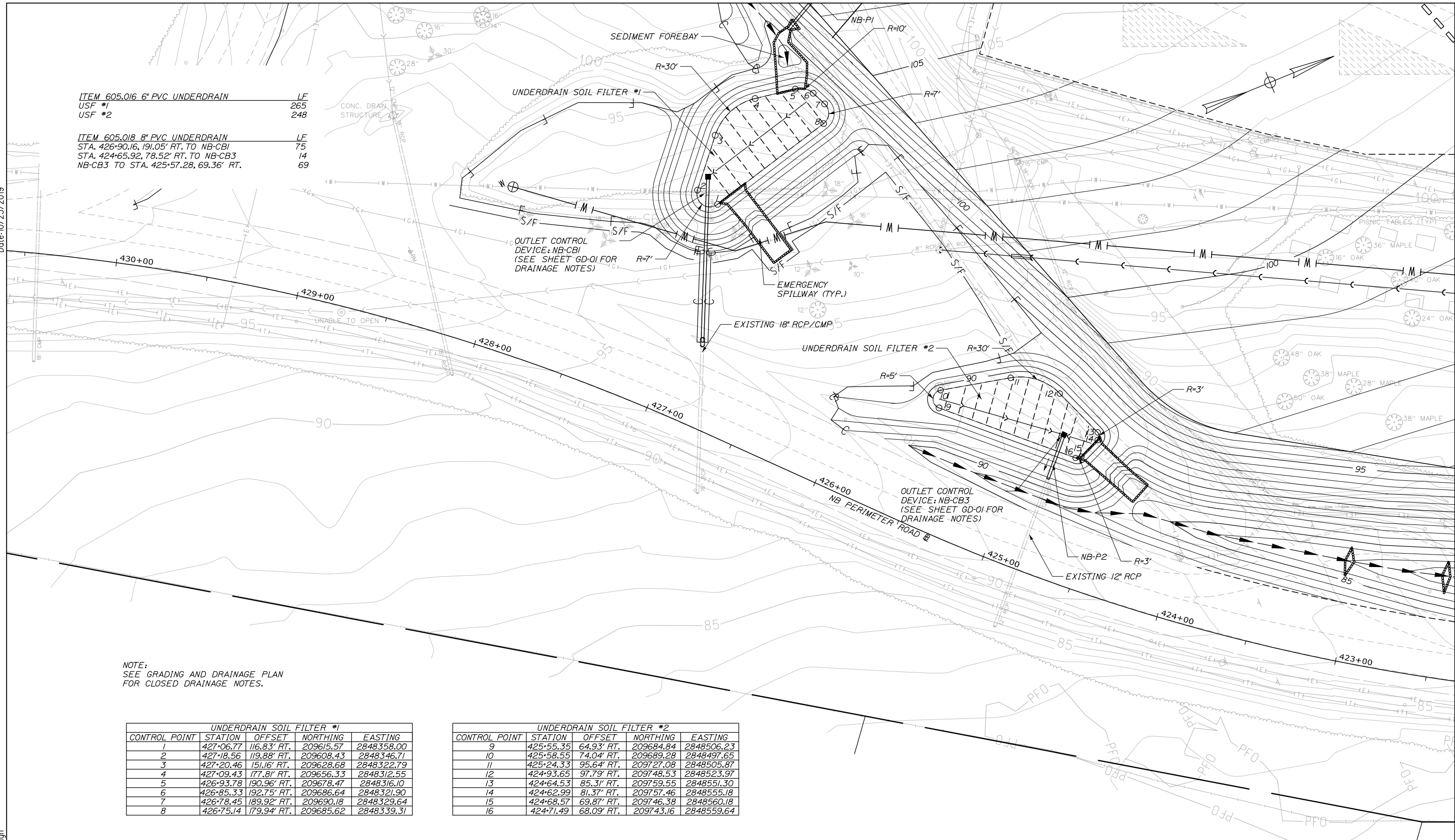
CONTRACT:2019.02

40 OF 158

Date: 10/23/2019

ITEM 605.016 6" PVC UNDERDRAIN LF
 USF #1 265
 USF #2 248

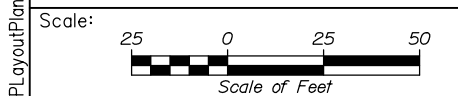
ITEM 605.018 8" PVC UNDERDRAIN LF
 STA. 426+90.16, 191.05' RT. TO NB-CBI 75
 STA. 424+65.92, 78.52' RT. TO NB-CB3 14
 NB-CB3 TO STA. 425+57.28, 69.36' RT. 69



NOTE:
 SEE GRADING AND DRAINAGE PLAN
 FOR CLOSED DRAINAGE NOTES.

UNDERDRAIN SOIL FILTER #1				
CONTROL POINT	STATION	OFFSET	NORTHING	EASTING
1	427+06.77	116.83' RT.	209615.57	2848358.00
2	427+18.56	119.88' RT.	209608.43	2848346.71
3	427+20.46	151.16' RT.	209628.68	2848322.79
4	427+09.43	177.81' RT.	209656.33	2848312.55
5	426+93.78	190.96' RT.	209678.47	2848316.10
6	426+85.33	192.75' RT.	209686.64	2848321.90
7	426+78.45	189.92' RT.	209690.18	2848329.64
8	426+75.14	179.94' RT.	209685.62	2848339.31

UNDERDRAIN SOIL FILTER #2				
CONTROL POINT	STATION	OFFSET	NORTHING	EASTING
9	425+55.35	64.93' RT.	209684.84	2848506.23
10	425+58.55	74.04' RT.	209689.28	2848497.65
11	425+24.33	95.64' RT.	209727.08	2848505.87
12	424+93.65	97.79' RT.	209748.53	2848523.97
13	424+64.53	85.31' RT.	209759.55	2848551.30
14	424+62.99	81.37' RT.	209757.46	2848555.18
15	424+68.57	69.87' RT.	209746.38	2848560.18
16	424+71.49	68.09' RT.	209743.16	2848559.64



No.	Revision	By	Date

Designed by:

HNTB

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Drawn	EPR	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

BMP LAYOUT PLAN (1 OF 3)

SHEET NUMBER: BMP-02
 41 OF 158

CONTRACT: 2019.02

Filename: 00X_BMPLayoutPlan1.dgn

Date: 10/23/2019

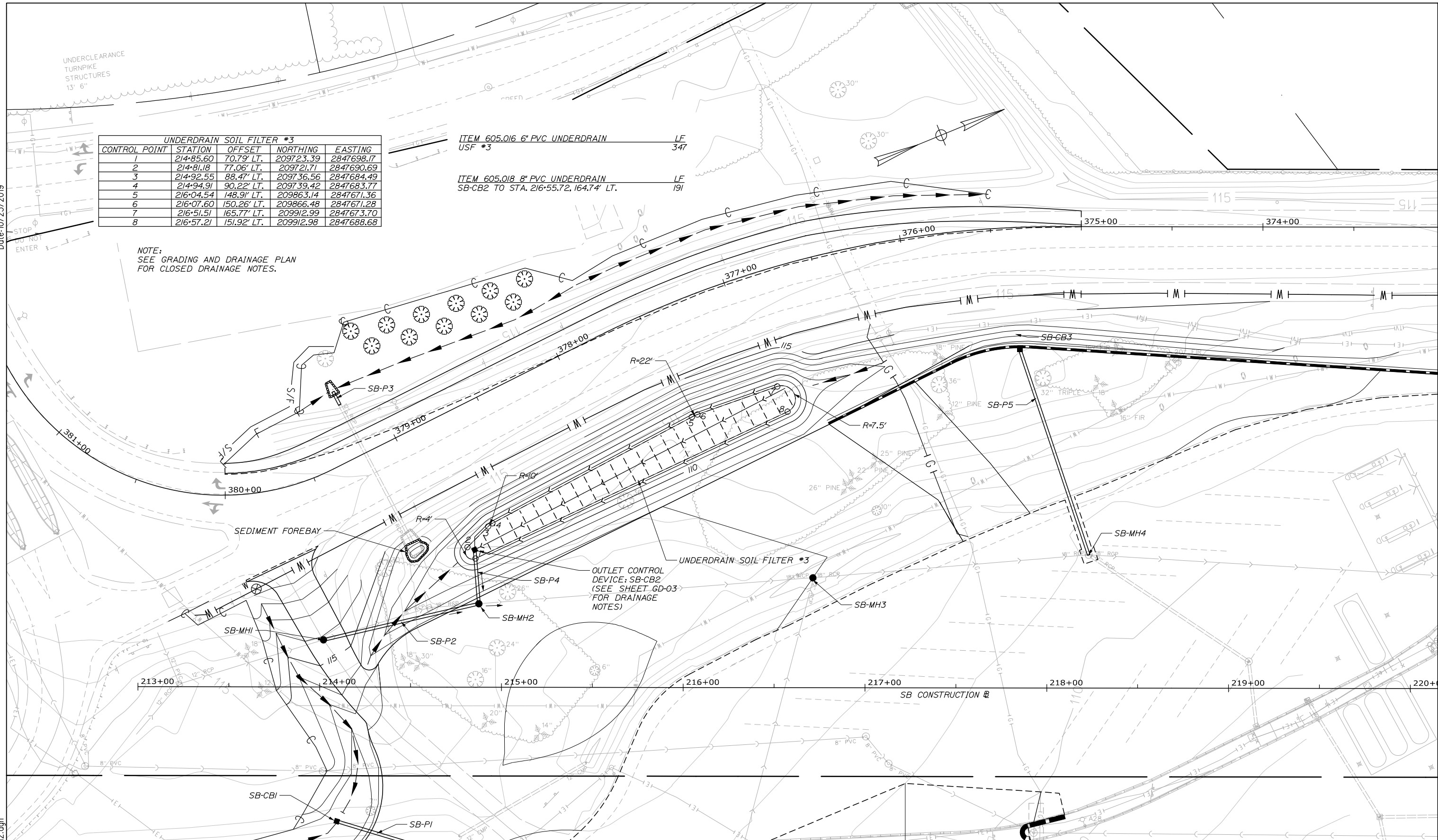
UNDERCLEARANCE
TURNPIKE
STRUCTURES
13' 6"

UNDERDRAIN SOIL FILTER #3				
CONTROL POINT	STATION	OFFSET	NORTHING	EASTING
1	214+85.60	70.79' LT.	209723.39	2847698.17
2	214+81.18	77.06' LT.	209721.71	2847690.69
3	214+92.55	88.47' LT.	209736.56	2847684.49
4	214+94.91	90.22' LT.	209739.42	2847683.77
5	216+04.54	148.91' LT.	209863.14	2847671.36
6	216+07.60	150.26' LT.	209866.48	2847671.28
7	216+51.51	165.77' LT.	209912.99	2847673.70
8	216+57.21	151.92' LT.	209912.98	2847688.68

ITEM 605.016 6" PVC UNDERDRAIN
USF #3 LF 347

ITEM 605.018 8" PVC UNDERDRAIN
SB-CB2 TO STA. 216+55.72, 164.74' LT. LF 191

NOTE:
SEE GRADING AND DRAINAGE PLAN
FOR CLOSED DRAINAGE NOTES.



Filename: 00X_BMPLayoutPlan2.dgn

Scale:

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	PEM	10\19	Checked	LZD	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

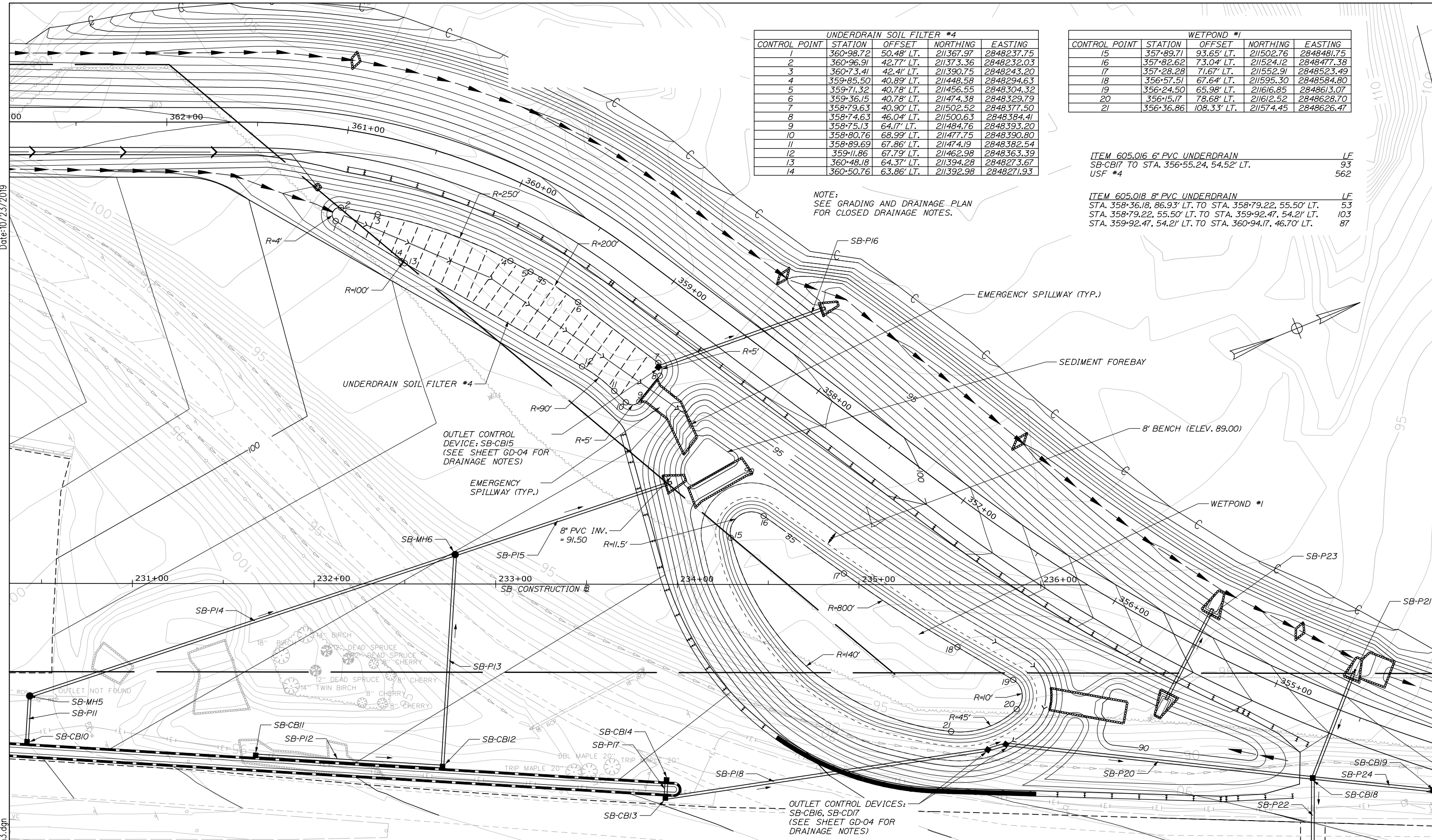
BMP LAYOUT PLAN (2 OF 3)

SHEET NUMBER: BMP-03

CONTRACT: 2019.02

42 OF 158

Date: 10/23/2019



UNDERDRAIN SOIL FILTER #4				
CONTROL POINT	STATION	OFFSET	NORTHING	EASTING
1	360+98.72	50.48' LT.	211367.97	2848237.75
2	360+96.91	42.77' LT.	211373.36	2848232.03
3	360+73.41	42.41' LT.	211390.75	2848243.20
4	359+85.50	40.89' LT.	211448.58	2848294.63
5	359+71.32	40.78' LT.	211456.55	2848304.32
6	359+36.15	40.78' LT.	211474.38	2848329.79
7	358+79.63	40.90' LT.	211502.52	2848377.50
8	358+74.63	46.04' LT.	211500.63	2848384.41
9	358+75.13	64.17' LT.	211484.76	2848393.20
10	358+80.76	68.99' LT.	211477.75	2848390.80
11	358+89.69	67.86' LT.	211474.19	2848382.54
12	359+11.86	67.79' LT.	211462.98	2848363.39
13	360+48.18	64.37' LT.	211394.28	2848273.67
14	360+50.76	63.86' LT.	211392.98	2848271.93

WETPOND #1				
CONTROL POINT	STATION	OFFSET	NORTHING	EASTING
15	357+89.71	93.65' LT.	211502.76	2848481.75
16	357+82.62	73.04' LT.	211524.12	2848477.38
17	357+28.28	71.67' LT.	211552.91	2848523.49
18	356+57.51	67.64' LT.	211595.30	2848584.80
19	356+24.50	65.98' LT.	211616.85	2848613.07
20	356+15.17	78.68' LT.	211612.52	2848628.70
21	356+36.86	108.33' LT.	211574.45	2848626.47

NOTE:
SEE GRADING AND DRAINAGE PLAN
FOR CLOSED DRAINAGE NOTES.

ITEM 605.016 6" PVC UNDERDRAIN
SB-CB17 TO STA. 356+55.24, 54.52' LT.
USF #4

ITEM 605.018 8" PVC UNDERDRAIN
STA. 358+36.18, 86.93' LT. TO STA. 358+79.22, 55.50' LT.
STA. 358+79.22, 55.50' LT. TO STA. 359+92.47, 54.21' LT.
STA. 359+92.47, 54.21' LT. TO STA. 360+94.17, 46.70' LT.

Scale: 1" = 25'

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	LZD	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

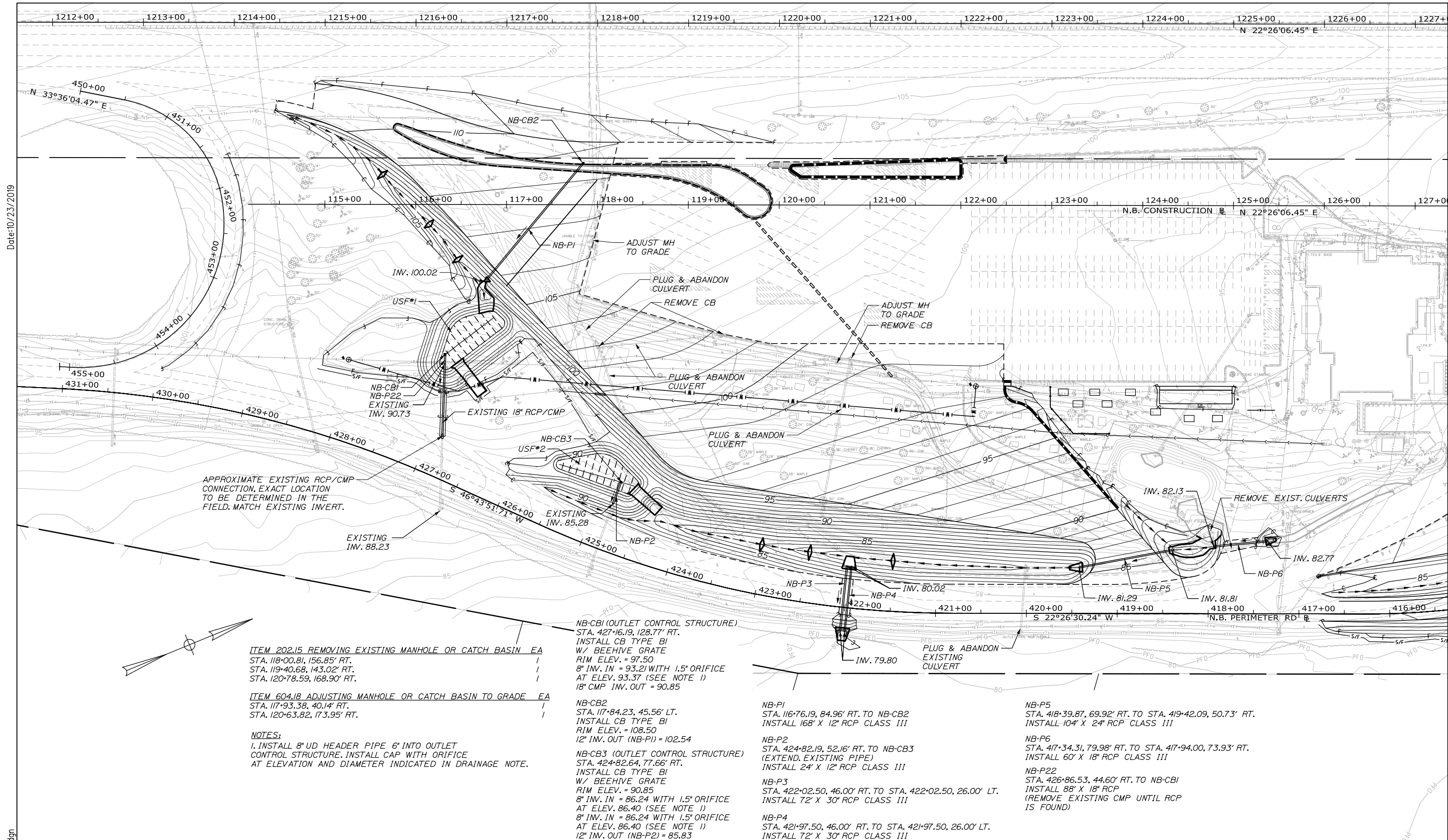
BMP LAYOUT PLAN (3 OF 3)

SHEET NUMBER: BMP-04

CONTRACT: 2019.02

43 OF 158

Filename: 00X_BMPLayoutPlan3.dgn



APPROXIMATE EXISTING RCP/CMP CONNECTION, EXACT LOCATION TO BE DETERMINED IN THE FIELD. MATCH EXISTING INVERT.

- ITEM 202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN EA
 - STA. 118+00.81, 156.85' RT.
 - STA. 119+40.68, 143.02' RT.
 - STA. 120+78.59, 168.90' RT.
- ITEM 604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE EA
 - STA. 117+93.38, 40.14' RT.
 - STA. 120+63.82, 173.95' RT.

NOTES:
 1. INSTALL 8" UD HEADER PIPE 6" INTO OUTLET CONTROL STRUCTURE. INSTALL CAP WITH ORIFICE AT ELEVATION AND DIAMETER INDICATED IN DRAINAGE NOTE.

NB-CB1 (OUTLET CONTROL STRUCTURE)
 STA. 427+16.19, 128.77' RT.
 INSTALL CB TYPE BI
 W/ BEEHIVE GRATE
 RIM ELEV. = 97.50
 8" INV. IN = 93.21 WITH 1.5" ORIFICE
 AT ELEV. 93.37 (SEE NOTE 1)
 18" CMP INV. OUT = 90.85

NB-CB2
 STA. 117+84.23, 45.56' LT.
 INSTALL CB TYPE BI
 RIM ELEV. = 108.50
 12" INV. OUT (NB-P1) = 102.54

NB-CB3 (OUTLET CONTROL STRUCTURE)
 STA. 424+82.64, 77.66' RT.
 INSTALL CB TYPE BI
 W/ BEEHIVE GRATE
 RIM ELEV. = 90.85
 8" INV. IN = 86.24 WITH 1.5" ORIFICE
 AT ELEV. 86.40 (SEE NOTE 1)
 8" INV. IN = 86.24 WITH 1.5" ORIFICE
 AT ELEV. 86.40 (SEE NOTE 1)
 12" INV. OUT (NB-P2) = 85.83

NB-P1
 STA. 116+76.19, 84.96' RT. TO NB-CB2
 INSTALL 168' X 12" RCP CLASS III

NB-P2
 STA. 424+82.19, 52.16' RT. TO NB-CB3
 (EXTEND. EXISTING PIPE)
 INSTALL 24' X 12" RCP CLASS III

NB-P3
 STA. 422+02.50, 46.00' RT. TO STA. 422+02.50, 26.00' LT.
 INSTALL 72' X 30" RCP CLASS III

NB-P4
 STA. 421+97.50, 46.00' RT. TO STA. 421+97.50, 26.00' LT.
 INSTALL 72' X 30" RCP CLASS III

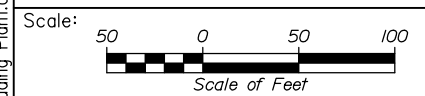
NB-P5
 STA. 418+39.87, 69.92' RT. TO STA. 419+42.09, 50.73' RT.
 INSTALL 104' X 24" RCP CLASS III

NB-P6
 STA. 417+34.31, 79.98' RT. TO STA. 417+94.00, 73.93' RT.
 INSTALL 60' X 18" RCP CLASS III

NB-P22
 STA. 426+86.53, 44.60' RT. TO NB-CB1
 INSTALL 88' X 18" RCP
 (REMOVE EXISTING CMP UNTIL RCP IS FOUND)

Date: 10/23/2019

Filename: 00X_Grading_Plan1.dgn



No.	Revision	By	Date


Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	PEM	10\19
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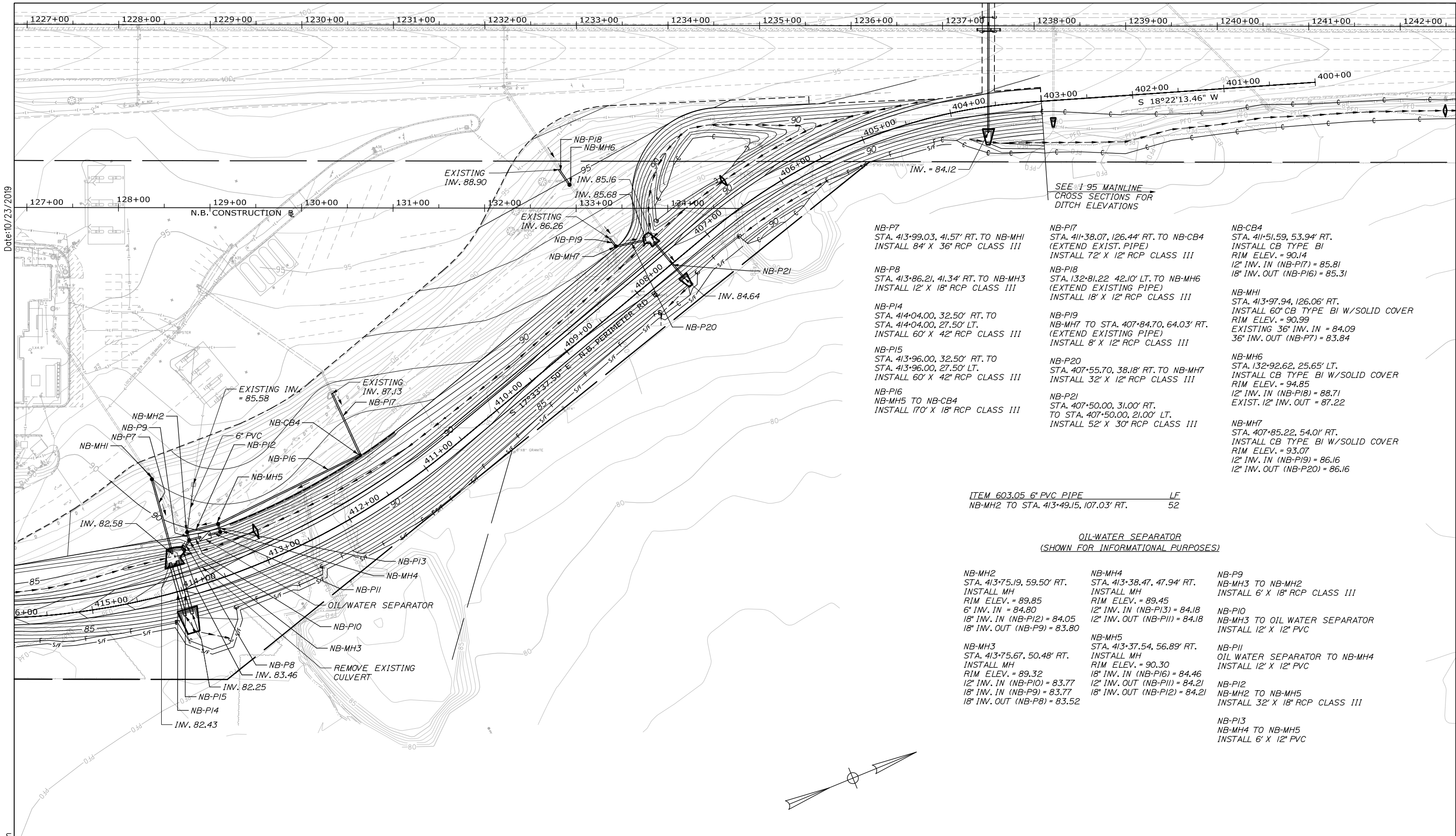


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 GRADING AND DRAINAGE PLAN 1
 NORTHBOUND PLAZA

SHEET NUMBER: GD-01
 CONTRACT: 2019.02
 44 OF 158



Date: 10/23/2019

Filename: 00X_Grading Plan2.dgn

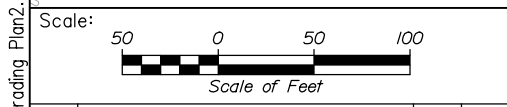
SEE 195 MAINLINE
CROSS SECTIONS FOR
DITCH ELEVATIONS

- NB-P7
STA. 413+99.03, 41.57' RT. TO NB-MH1
INSTALL 84' X 36" RCP CLASS III
- NB-P8
STA. 413+86.21, 41.34' RT. TO NB-MH3
INSTALL 12' X 18" RCP CLASS III
- NB-P14
STA. 414+04.00, 32.50' RT. TO
STA. 414+04.00, 27.50' LT.
INSTALL 60' X 42" RCP CLASS III
- NB-P15
STA. 413+96.00, 32.50' RT. TO
STA. 413+96.00, 27.50' LT.
INSTALL 60' X 42" RCP CLASS III
- NB-P16
NB-MH5 TO NB-CB4
INSTALL 170' X 18" RCP CLASS III
- NB-P17
STA. 411+38.07, 126.44' RT. TO NB-CB4
(EXTEND EXIST. PIPE)
INSTALL 72' X 12" RCP CLASS III
- NB-P18
STA. 132+81.22 42.10' LT. TO NB-MH6
(EXTEND EXISTING PIPE)
INSTALL 18' X 12" RCP CLASS III
- NB-P19
NB-MH7 TO STA. 407+84.70, 64.03' RT.
(EXTEND EXISTING PIPE)
INSTALL 8' X 12" RCP CLASS III
- NB-P20
STA. 407+55.70, 38.18' RT. TO NB-MH7
INSTALL 32' X 12" RCP CLASS III
- NB-P21
STA. 407+50.00, 31.00' RT.
TO STA. 407+50.00, 21.00' LT.
INSTALL 52' X 30" RCP CLASS III
- NB-CB4
STA. 411+51.59, 53.94' RT.
INSTALL CB TYPE BI
RIM ELEV. = 90.14
12" INV. IN (NB-P17) = 85.81
18" INV. OUT (NB-P16) = 85.31
- NB-MH1
STA. 413+97.94, 126.06' RT.
INSTALL 60" CB TYPE BI W/SOLID COVER
RIM ELEV. = 90.99
EXISTING 36" INV. IN = 84.09
36" INV. OUT (NB-P7) = 83.84
- NB-MH6
STA. 132+92.62, 25.65' LT.
INSTALL CB TYPE BI W/SOLID COVER
RIM ELEV. = 94.85
12" INV. IN (NB-P18) = 88.71
EXIST. 12" INV. OUT = 87.22
- NB-MH7
STA. 407+85.22, 54.01' RT.
INSTALL CB TYPE BI W/SOLID COVER
RIM ELEV. = 93.07
12" INV. IN (NB-P19) = 86.16
12" INV. OUT (NB-P16) = 86.16

ITEM 603.05 6" PVC PIPE LF
NB-MH2 TO STA. 413+49.15, 107.03' RT. 52

OIL-WATER SEPARATOR
(SHOWN FOR INFORMATIONAL PURPOSES)

- NB-MH2
STA. 413+75.19, 59.50' RT.
INSTALL MH
RIM ELEV. = 89.85
6" INV. IN = 84.80
18" INV. IN (NB-P12) = 84.05
18" INV. OUT (NB-P9) = 83.80
- NB-MH3
STA. 413+75.67, 50.48' RT.
INSTALL MH
RIM ELEV. = 89.32
12" INV. IN (NB-P10) = 83.77
18" INV. IN (NB-P9) = 83.77
18" INV. OUT (NB-P8) = 83.52
- NB-MH4
STA. 413+38.47, 47.94' RT.
INSTALL MH
RIM ELEV. = 89.45
12" INV. IN (NB-P13) = 84.18
12" INV. OUT (NB-P11) = 84.18
- NB-MH5
STA. 413+37.54, 56.89' RT.
INSTALL MH
RIM ELEV. = 90.30
18" INV. IN (NB-P16) = 84.46
12" INV. OUT (NB-P11) = 84.21
18" INV. OUT (NB-P12) = 84.21
- NB-P9
NB-MH3 TO NB-MH2
INSTALL 6' X 18" RCP CLASS III
- NB-P10
NB-MH3 TO OIL WATER SEPARATOR
INSTALL 12' X 12" PVC
- NB-P11
OIL WATER SEPARATOR TO NB-MH4
INSTALL 12' X 12" PVC
- NB-P12
NB-MH2 TO NB-MH5
INSTALL 32' X 18" RCP CLASS III
- NB-P13
NB-MH4 TO NB-MH5
INSTALL 6' X 12" PVC



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	By	Date	
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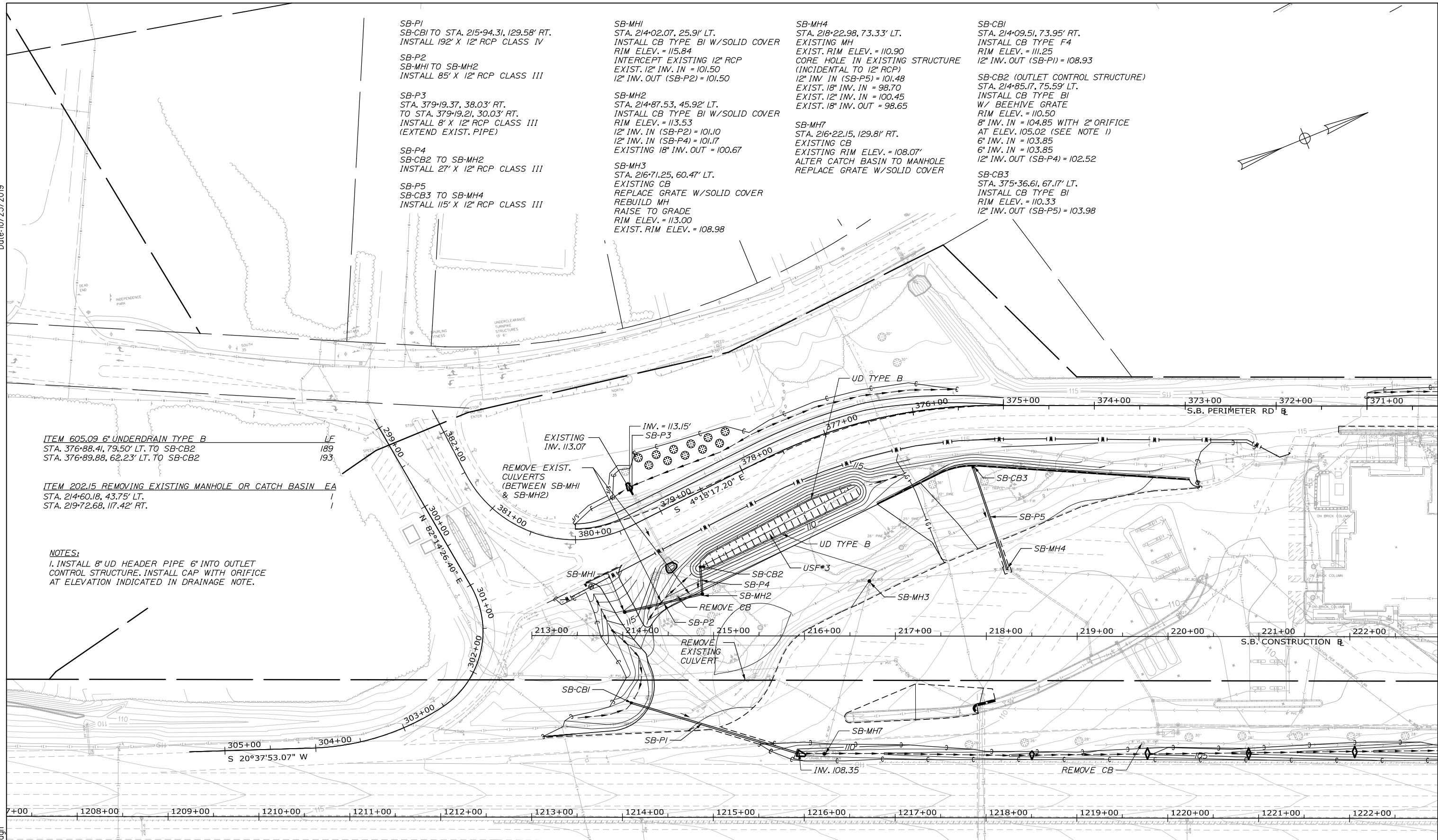
THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
GRADING AND DRAINAGE PLAN 2
NORTHBOUND PLAZA

SHEET NUMBER: GD-02
CONTRACT: 2019.02
45 OF 158

Date: 10/23/2019



ITEM 605.09 6" UNDERDRAIN TYPE B LF
 STA. 376+88.41, 79.50' LT. TO SB-CB2 189
 STA. 376+89.88, 62.23' LT. TO SB-CB2 193

ITEM 202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN EA
 STA. 214+60.18, 43.75' LT. /
 STA. 219+72.68, 117.42' RT. /

NOTES:
 1. INSTALL 8" UD HEADER PIPE 6" INTO OUTLET CONTROL STRUCTURE. INSTALL CAP WITH ORIFICE AT ELEVATION INDICATED IN DRAINAGE NOTE.

Scale:

No.	Revision	By	Date

Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB
 GRADING AND DRAINAGE PLAN 3
 SOUTHBOUND PLAZA

SHEET NUMBER: GD-03
 CONTRACT: 2019.02
 46 OF 158

Date: 10/23/2019

SB-P6
SB-CB4 TO SB-CB6
INSTALL 50' X 18" RCP CLASS III

SB-P7
SB-CB5 TO STA. 367+09.00, 26.16' RT.
INSTALL 68' X 12" RCP CLASS III

SB-P8
SB-CB6 TO SB-CB7
INSTALL 50' X 18" OPTION III

SB-P9
SB-CB9 TO SB-CB8
INSTALL 133' X 18" UD TYPE C

SB-P10
STA. 363+09.23, 34.96' RT. TO SB-CB9
INSTALL 48' X 18" RCP CLASS III

SB-P11
SB-CB10 TO SB-MH5
INSTALL 22' X 12" RCP CLASS III

SB-P12
SB-CB11 TO SB-CB12
INSTALL 100' X 12" RCP CLASS III

SB-P13
SB-CB12 TO SB-MH6
INSTALL 114' X 15" RCP CLASS III

SB-P14
SB-MH5 TO SB-MH6
INSTALL 244' X 24" RCP CLASS III

SB-P15
SB-MH6 TO STA. 233+96.66, 56.05' LT.
INSTALL 124' X 30" RCP CLASS III

SB-P16
STA. 358+24.56, 38.61' RT. TO SB-CB15
INSTALL 96' X 18" RCP CLASS III

SB-P17
SB-CB14 TO SB-CB13
INSTALL 7' X 12" RCP CLASS III

SB-P18
SB-CB13 TO SB-CB16
INSTALL 176' X 12" RCP CLASS III

SB-P19
SB-CB16 TO SB-CB17
INSTALL 8' X 15" RCP CLASS III

SB-P20
SB-CB17 TO SB-CB18
INSTALL 167' X 24" RCP CLASS III

SB-P21
STA. 354+63.00, 22.27' RT. TO SB-CB18
INSTALL 60' X 30" RCP CLASS III

SB-P22
SB-CB18 TO STA. 1237+50.00, 116.50' RT.
INSTALL 208' X 36" RCP CLASS III

SB-P23
STA. 355+50.00, 34.00' LT. TO
STA. 355+50.00, 22.00' RT.
INSTALL 56' X 30" RCP CLASS III

SB-P25
SB-CB8 TO STA. 367+01.94, 28.85' RT.
INSTALL 216' X 18" RCP CLASS III

SB-MH5
STA. 230+43.60, 61.99' RT.
ADJUST MH TO GRADE
RIM ELEV. = 98.58
EXIST. 12" INV. IN = 95.79
12" INV. IN (SB-P11) = 93.64
24" INV. OUT (SB-P14) = 93.14

SB-MH6
STA. 232+77.76, 16.18' LT.
INSTALL 60" CB TYPE BI W/SOLID COVER
RIM ELEV. = 97.98
15" INV. IN (SB-P13) = 91.92
24" INV. IN (SB-P14) = 91.92
30" INV. OUT (SB-P15) = 91.67

SB-CB4
STA. 226+17.53, 115.25' RT.
INSTALL CB TYPE C1 (FLAT TOP)
(SEE NOTE 2)
RIM ELEV. = 98.60
18" INV. OUT (SB-P6) = 94.50

SB-CB5
STA. 367+09.00, 42.33' LT.
INSTALL CB TYPE F4
RIM ELEV. = 105.34
12" INV. OUT (SB-P7) = 102.34

SB-CB6
STA. 226+70.53, 114.36' RT.
EXISTING CB
EXIST. RIM ELEV. = 98.62
EXIST. 18" INV. IN = 92.32
18" INV. IN (SB-P8) = 92.52
18" INV. IN (SB-P6) = 94.12
EXIST. 36" INV. OUT = 92.42

SB-CB7
STA. 227+23.48, 116.59' RT.
INSTALL CB TYPE BI
RIM ELEV. = 98.60
INTERCEPT EXIST. 12" CMP
EXIST. 12" CMP INV. IN = 92.75
18" INV. OUT (SB-P8) = 92.72

SB-CB8
STA. 364+85.00, 7.00' RT.
INSTALL CB TYPE BI
RIM ELEV. = 104.75
18" INV. IN (SB-P25) = 99.00
18" INV. OUT (SB-P9) = 98.75

SB-CB9
STA. 363+50.00, 7.00' RT.
INSTALL CB TYPE BI
RIM ELEV. = 103.60
18" INV. IN (SB-P9) = 98.09
18" INV. OUT (SB-P10) = 97.78

SB-CB10
STA. 230+42.13, 87.18' RT.
INSTALL CB TYPE BI
RIM ELEV. = 98.34
12" INV. OUT (SB-P11) = 93.75

SB-CB11
STA. 231+68.00, 94.51' RT.
INSTALL CB TYPE F6
RIM ELEV. = 97.29
12" INV. OUT (SB-P12) = 93.13

SB-CB12
STA. 232+70.87, 100.50' RT.
INSTALL CB TYPE F6
RIM ELEV. = 96.65
12" INV. IN (SB-P12) = 92.63
15" INV. OUT (SB-P13) = 92.38

SB-CB13
STA. 233+93.60, 117.66' RT.
INSTALL CB TYPE BI
RIM ELEV. = 95.82
12" INV. IN (SB-P17) = 90.70
12" INV. OUT (SB-P18) = 90.45

SB-CB14
STA. 233+94.18, 107.68' RT.
INSTALL CB TYPE BI
RIM ELEV. = 95.77
12" INV. OUT (SB-P17) = 90.86

SB-CB15 (OUTLET CONTROL STRUCTURE)
STA. 358+78.20, 42.80' LT.
INSTALL CB TYPE BI FLAT TOP
W/ BEEHIVE GRATE
RIM ELEV. = 96.50
18" INV. OUT (SB-P16) = 91.94

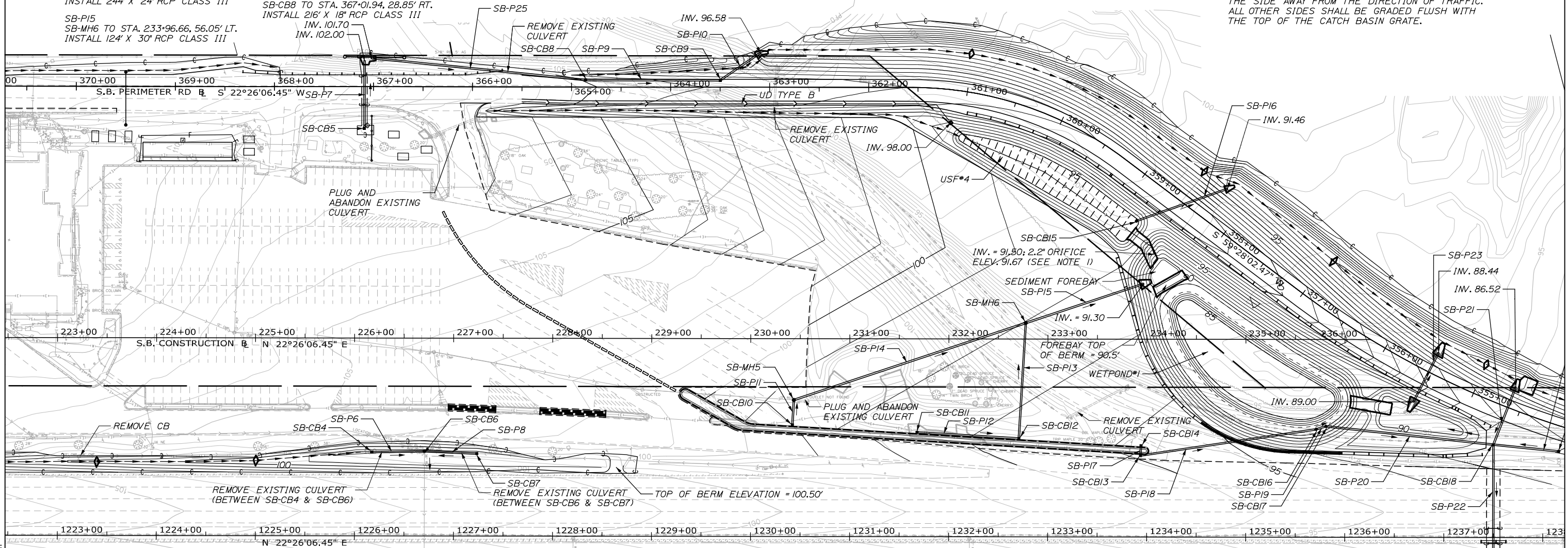
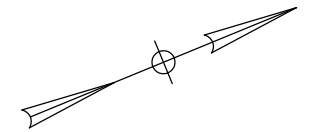
SB-CB16 (OUTLET CONTROL STRUCTURE)
STA. 356+16.86, 106.14' LT.
INSTALL CB TYPE BI FLAT TOP
W/ BEEHIVE GRATE
RIM ELEV. = 90.50
12" INV. IN (SB-P18) = 86.91
15" INV. OUT (SB-P19) = 86.16

SB-CB17 (OUTLET CONTROL STRUCTURE)
STA. 356+10.64, 98.42' LT.
INSTALL CB TYPE BI FLAT TOP
W/ BEEHIVE GRATE
RIM ELEV. = 90.25
15" INV. IN (SB-P19) = 86.00
6" INV. IN = 86.35; 3.5" ORIFICE
ELEV. = 86.29 (SEE NOTE 1)
24" INV. OUT (SB-P20) = 85.75

SB-CB18
STA. 1237+50.00, 94.00' LT.
INSTALL 72" CB TYPE BI
RIM ELEV. = 92.35
12" INV. IN (SB-P24) = 86.25
24" INV. IN (SB-P20) = 85.25
30" INV. IN (SB-P21) = 85.33
36" INV. OUT (SB-P22) = 84.75

ITEM 202.15 REMOVING EXISTING MANHOLE OR CATCH BASIN EA	1
STA. 223+21.78, 120.10' RT.	
ITEM 604.18 ADJUSTING MANHOLE OR CATCH BASIN TO GRADE EA	1
STA. 230+43.60, 61.99' RT.	
ITEM 605.09 6" UNDERDRAIN TYPE B	LF
STA. 361+30.36, 16.9' LT. TO STA. 365+50.00, 16.9' LT.	419
ITEM 605.10 6" UNDERDRAIN OUTLET	LF
STA. 361+12.88, 33.34' LT. TO STA. 361+30.36, 16.9' LT.	23'

NOTES:
1. INSTALL 8" OR 6" UD HEADER PIPE 6" INTO OUTLET CONTROL STRUCTURE. INSTALL CAP WITH ORIFICE AT ELEVATION AND DIAMETER INDICATED IN DRAINAGE NOTE.
2. OPEN THROAT SHALL BE CONSTRUCTED ON THE SIDE AWAY FROM THE DIRECTION OF TRAFFIC. ALL OTHER SIDES SHALL BE GRADED FLUSH WITH THE TOP OF THE CATCH BASIN GRATE.



Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

Designed by:

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	PEM	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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THE GOLD STAR
MEMORIAL HIGHWAY

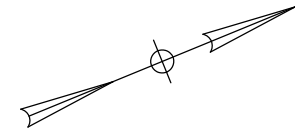
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
GRADING AND DRAINAGE PLAN 4
SOUTHBOUND PLAZA

SHEET NUMBER: GD-04
CONTRACT: 2019.02
47 OF 158

Filename: 00X_Grading Plan4.dgn

Date: 10/23/2019



SB-CB19
 STA. 354+00.00, 24.80' LT.
 INSTALL CB TYPE B1
 RIM ELEV. = 91.95
 12" INV. OUT (SB-P24) = 86.56

SB-P24
 SB-CB19 TO SB-CB18
 INSTALL 62" X 12" RCP CLASS III

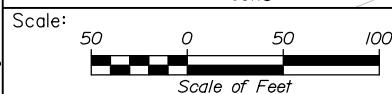
SEE 195 MAINLINE
 CROSS SECTIONS FOR
 DITCH ELEVATIONS

PLUG AND ABANDON
 EXISTING CULVERT

1238+00 1239+00 1240+00 1241+00 1242+00 1243+00 1244+00 1245+00 1246+00 1247+00 1248+00 1249+00 1250+00 1251+00 1252+00 1253+00

403+00 402+00 401+00 400+00
 S 18°22'13.46" W

SEE 195 MAINLINE
 CROSS SECTIONS FOR
 DITCH ELEVATIONS



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THE GOLD STAR
 MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 GRADING AND DRAINAGE PLAN 5
 SOUTHBOUND PLAZA

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
Designed	By	Date	Checked	By	Date
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Drawn	By	Date	In Charge of	By	Date
	EPR	10\19		RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

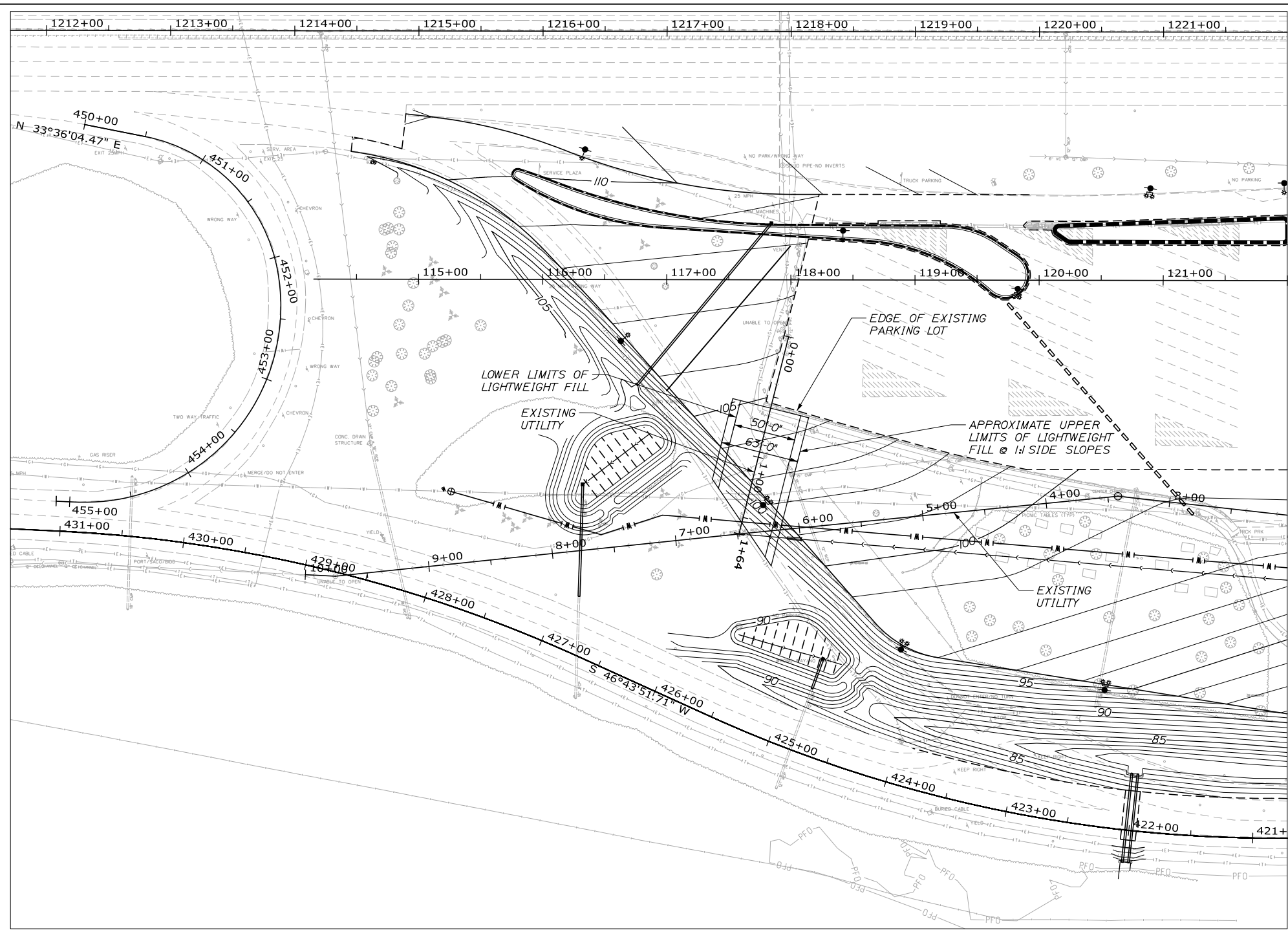
CONTRACT: 2019.02

SHEET NUMBER: GD-05

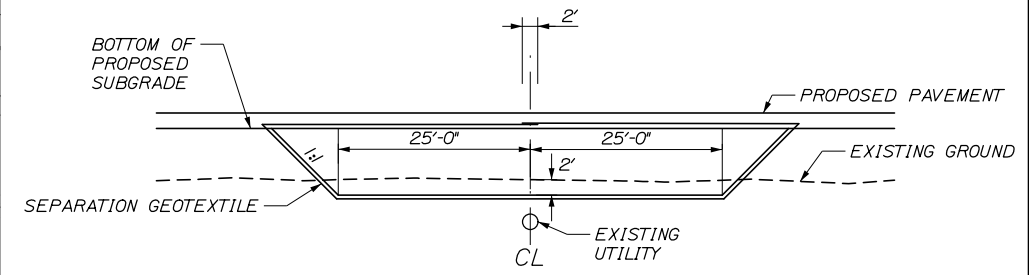
48 OF 158

Filename: 00X_Grading Plan5.dgn

Date: 10/23/2019



PLAN VIEW

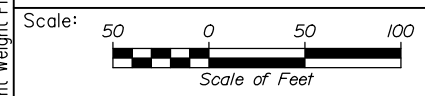


SECTION VIEW

NOTES:

1. EXCAVATION/FILL LIMITS OF 1:1 SLOPES IDENTIFIED IN 50 FOOT INCREMENTS.
2. MAX HEIGHT USED TO DEFINE FILL LIMITS.
3. EXCAVATE TWO FEET OF EXISTING FILL ABOVE THE EXISTING UTILITY.
4. PLACE LIGHT WEIGHT FILL AT 1:1 SIDE SLOPE UP TO BOTTOM OF PROPOSED SUBGRADE.
5. PLACE SEPARATION GEOTEXTILE FABRIC AROUND LIGHT WEIGHT FILL WITH 2 FOOT OVERLAP AS DETAILED.
6. TOP OF LIGHT WEIGHT FILL SHALL HAVE A MINIMUM OF ONE FOOT OF SUBBASE OR COMMON BORROW TO FINISHED GRADE ON SIDE SLOPES.

Filename: 00X_Light Weight Fill Plan1.dgn



No.	Revision	By	Date


Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

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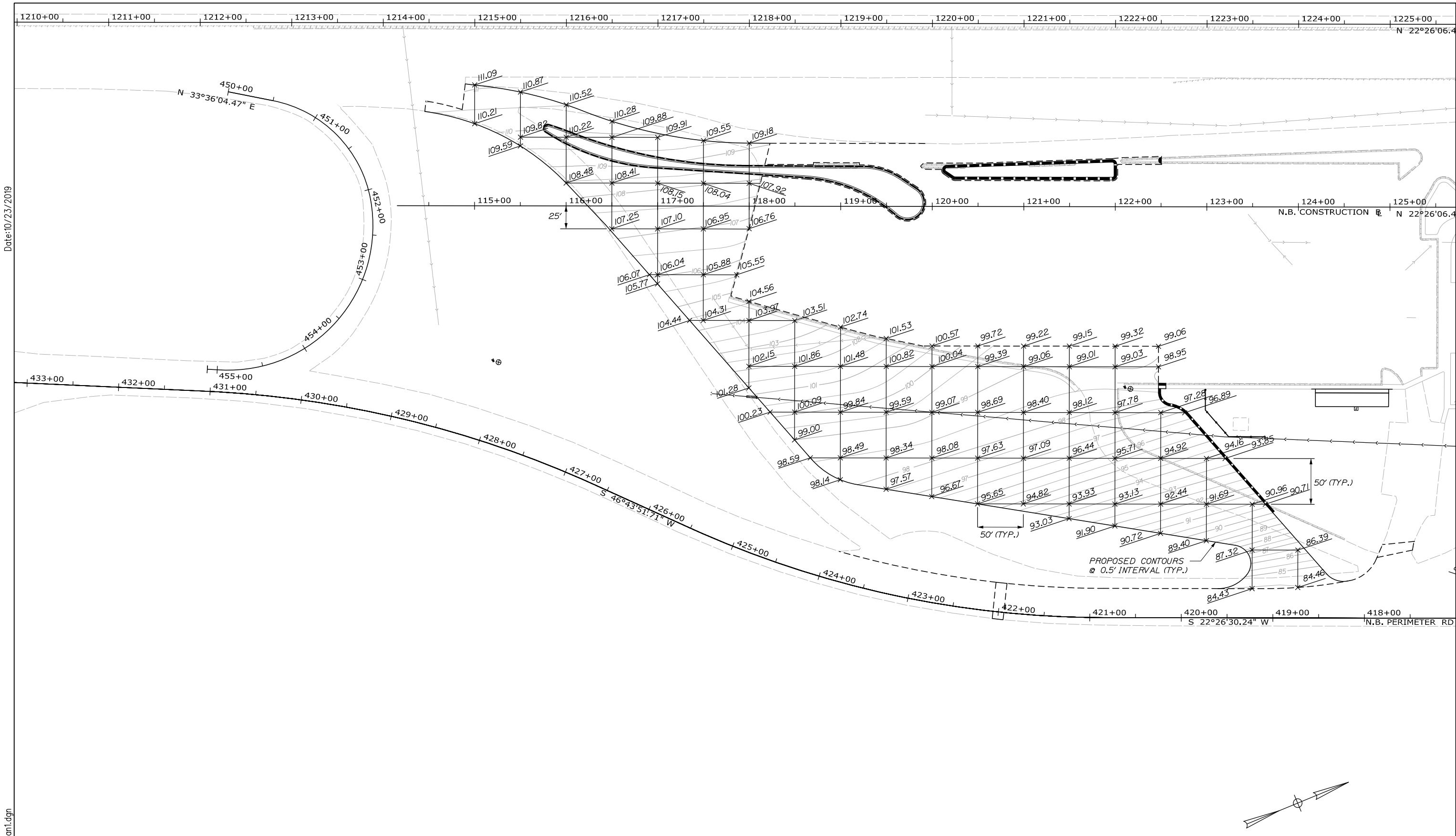


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

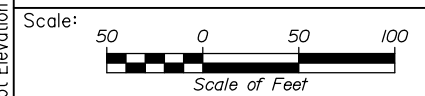
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 LIGHTWEIGHT FILL DETAIL
 NORTHBOUND PLAZA

SHEET NUMBER: SP-01
 CONTRACT: 2019.02
 49 OF 158



Date: 10/23/2019

Filename: 00X_Spot_Elevation_Plan1.dgn



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THE GOLD STAR
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KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
SPOT ELEVATION PLAN 1
NORTHBOUND PLAZA

No.	Revision	By	Date

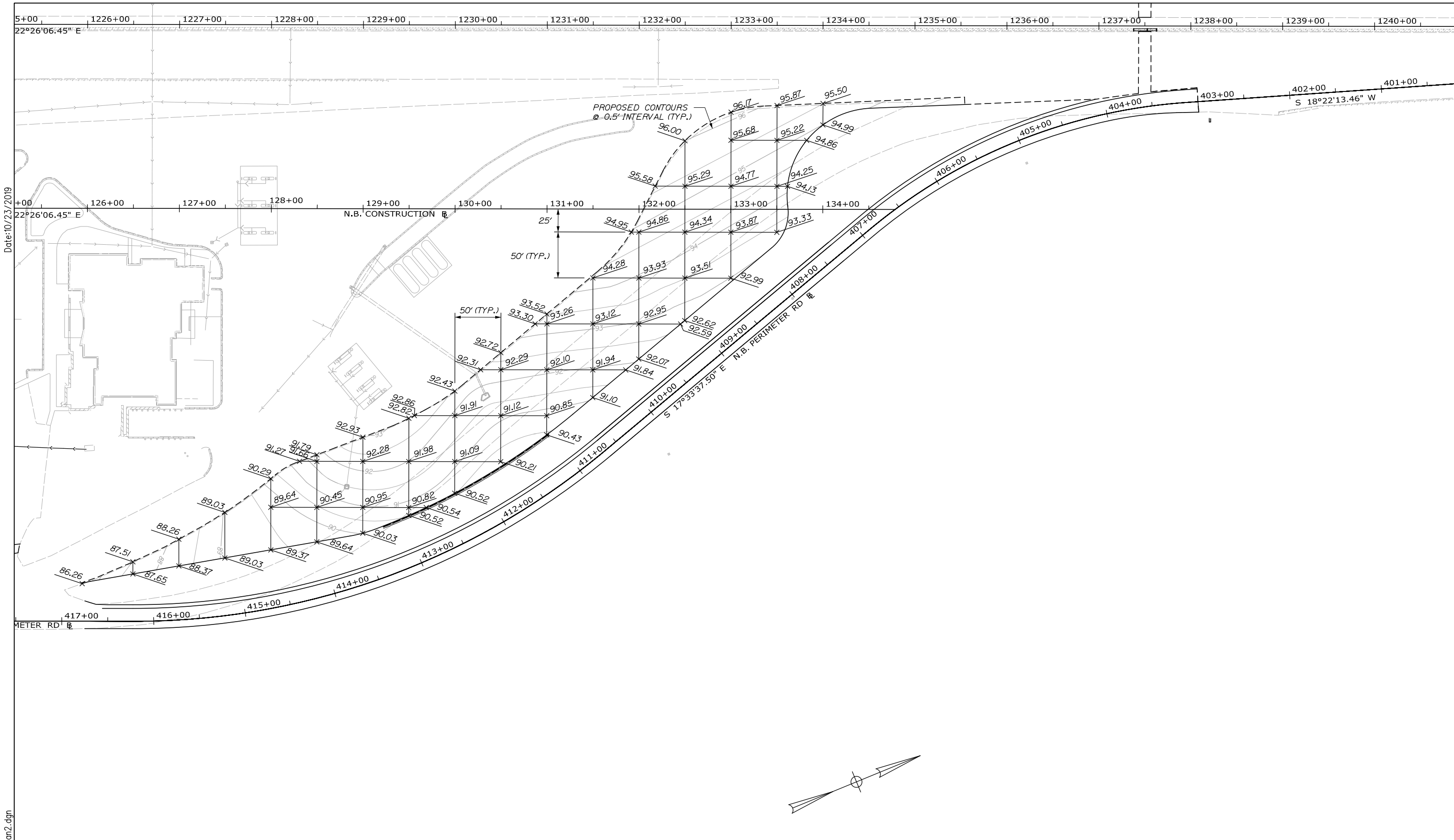
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
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MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

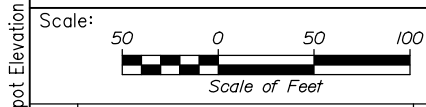
SHEET NUMBER: GD-06

50 OF 158



Date: 10/23/2019

Filename: 00X_Spot_Elevation_Plan2.dgn



No.	Revision	By	Date

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

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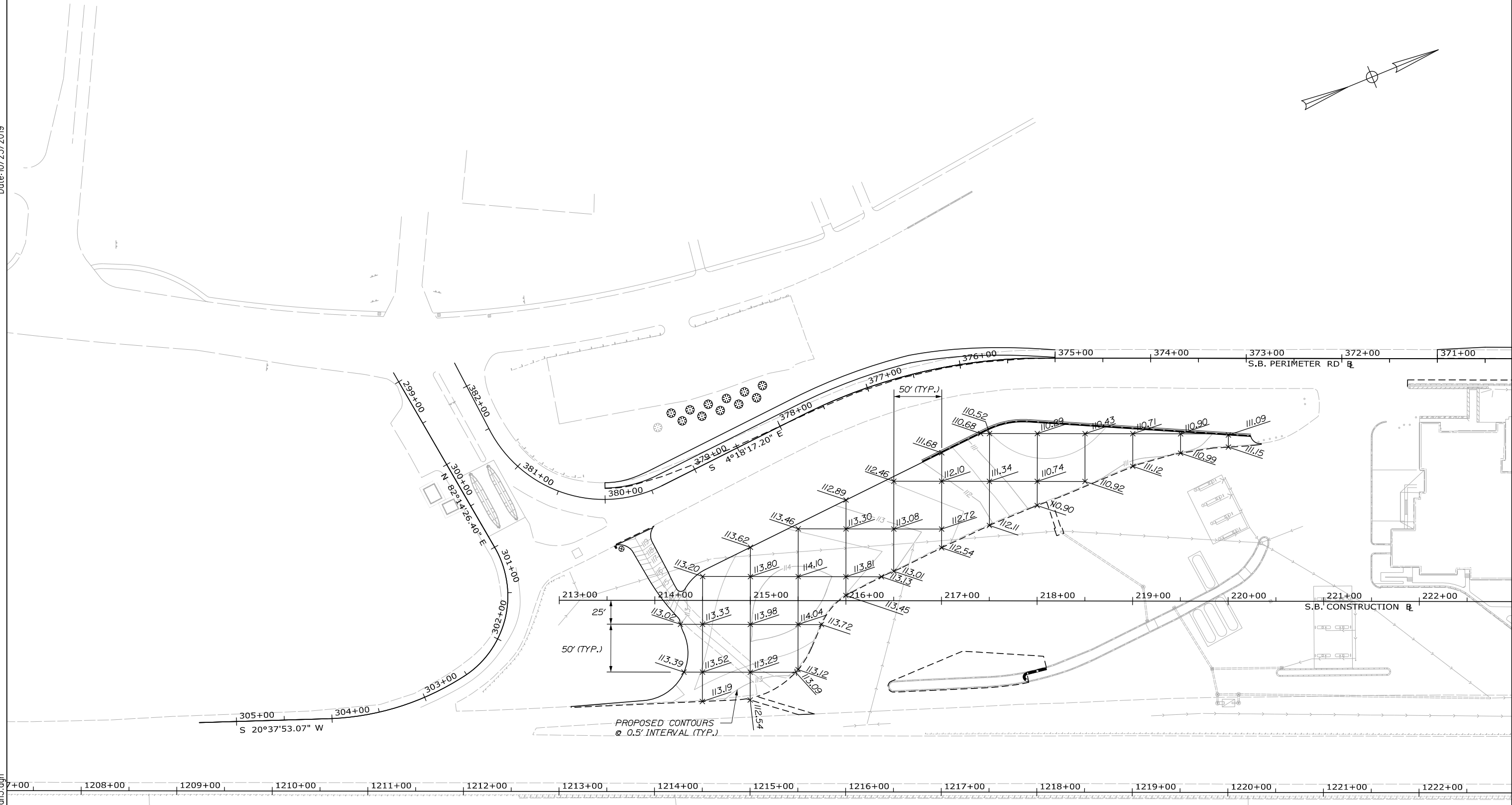
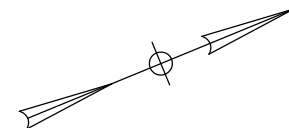
THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

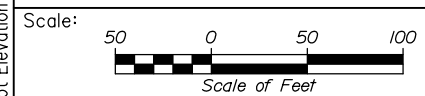
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SPOT ELEVATION PLAN 2
 NORTHBOUND PLAZA

SHEET NUMBER: GD-07
 CONTRACT: 2019.02
 51 OF 158

Date: 10/23/2019



Filename: 00X_Spot Elevation Plan3.dgn



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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

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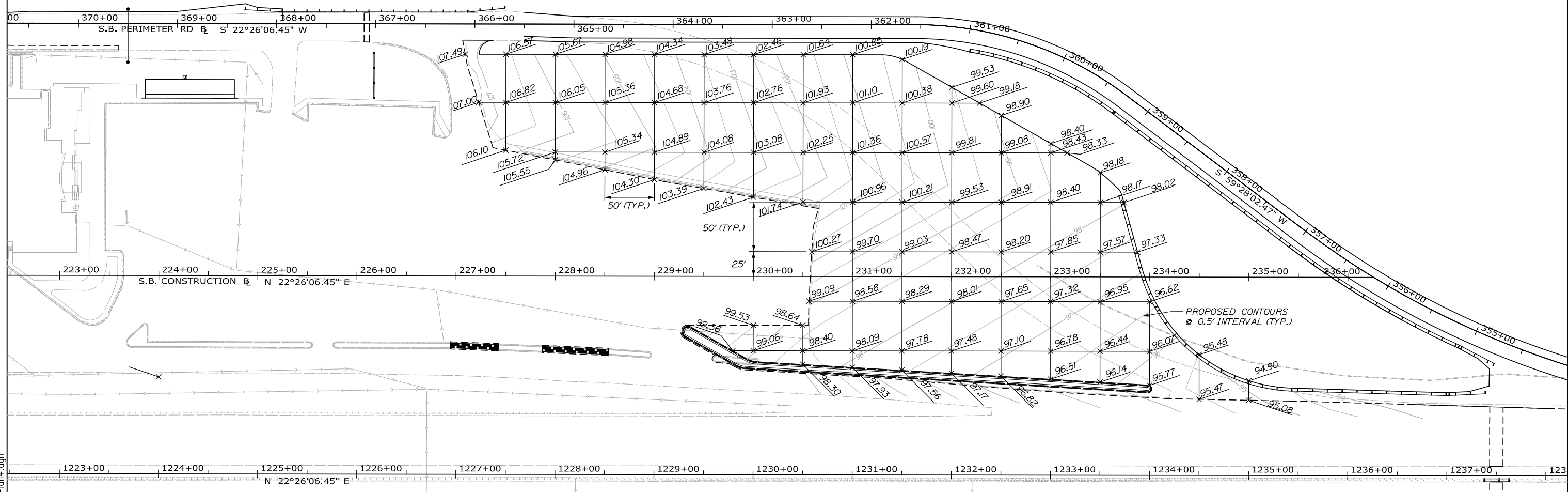
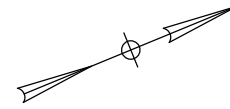
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

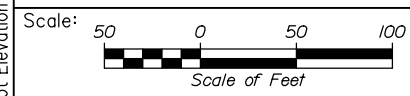
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SPOT ELEVATION PLAN 3
 SOUTHBOUND PLAZA

SHEET NUMBER: GD-08
 CONTRACT: 2019.02
 52 OF 158

Date: 10/23/2019



Filename: 00X_Spot Elevation Plan 4.dgn




Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	By	Date
Designed	PEM 10\19	Checked	LZD 10\19
Drawn	EPR 10\19	In Charge of	RAL 10\19

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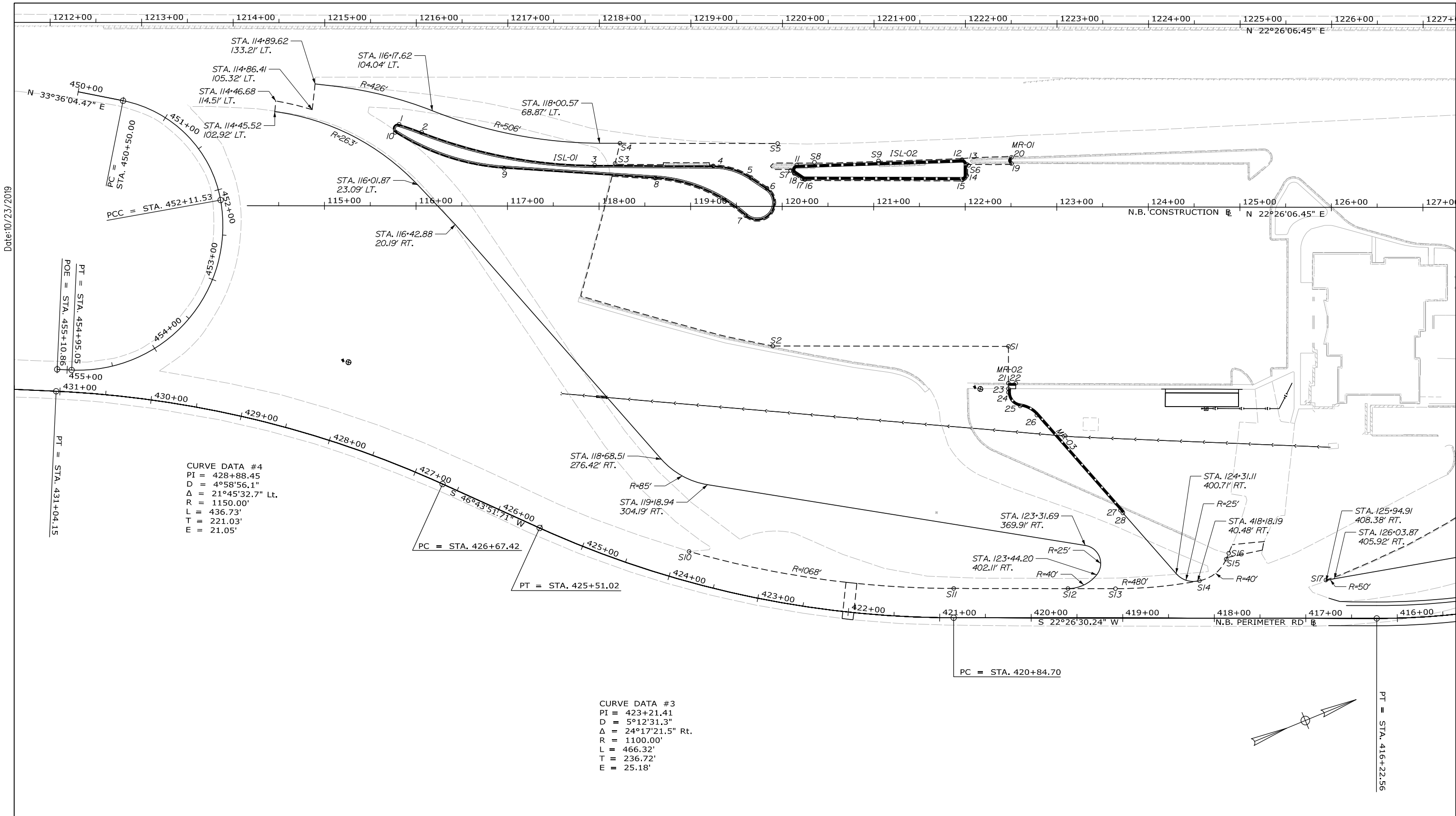


**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SPOT ELEVATION PLAN 4
 SOUTHBOUND PLAZA

SHEET NUMBER: GD-09
 CONTRACT: 2019.02
 53 OF 158



Date: 10/23/2019

Filename: 00X_Geometric Plan1.dgn

NOTES:
 1. SEE GEO-02 FOR CURB AND SAWCUT DATA.

Scale: 0 50 100
 Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CRC	10\19	Checked	DSS	10\19
Drawn	CRC	10\19	In Charge of	RAL	10\19

HNTB CORPORATION
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 GEOMETRIC PLAN 1
 NORTHBOUND PLAZA

SHEET NUMBER: GEO-01
 CONTRACT: 2019.02
 54 OF 158

Date: 10/23/2019

CONTROL POINTS FOR CURBING						
ISL-01						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
1	115+81.38	89.29' LT	209666.32	2848087.36	110.62	110.16
2	116+05.94	80.69' LT	209685.75	2848104.68	110.44	109.98
3	117+95.07	44.90' LT	209846.91	2848209.94	108.77	108.31
4	119+24.70	44.28' LT	209966.49	2848259.98	107.57	107.11
5	119+66.09	31.60' LT	209999.90	2848287.50	106.55	106.09
6	119+83.46	19.96' LT	210011.51	2848304.88	106.11	105.65
7	119+60.17	10.24' RT	209978.47	2848323.91	105.79	105.33
8	118+61.41	30.76' LT	209902.82	2848248.33	108.17	107.71
9	116+96.32	41.24' LT	209754.23	2848175.64	109.36	108.90
10	115+77.18	80.31' LT	209659.02	2848094.06	110.40	109.94

CONTROL POINTS FOR CURBING						
ISL-02						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
11	120+15.87	45.26' LT	210051.13	2848293.87	106.14	105.56
12	121+96.38	51.62' LT	210220.40	2848356.88	102.62	102.04
13	122+01.55	46.61' LT	210223.27	2848363.48	102.42	101.84
14	122+01.54	34.19' LT	210218.52	2848374.96	102.16	101.58
15	121+96.53	29.20' LT	210211.98	2848377.66	102.15	101.57
16	120+24.71	29.45' LT	210053.26	2848311.85	105.49	104.91
17	120+21.93	30.30' LT	210051.02	2848310.01	105.54	104.96
18	120+13.26	36.11' LT	210045.22	2848301.34	105.81	105.23

CONTROL POINTS FOR CURBING						
MR-01						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
19	122+50.51	47.29' LT	210268.78	2848381.54	101.39	100.81
20	122+50.40	54.09' LT	210271.28	2848375.21	101.61	101.03

CONTROL POINTS FOR CURBING						
MR-02						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
21	122+47.47	192.77' RT	210174.36	2848602.27	99.00	99.00
22	122+55.47	192.81' RT	210181.74	2848605.36	99.67	99.09

CONTROL POINTS FOR CURBING						
MR-03						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
23	122+47.44	198.76' RT	210172.05	2848607.80	98.88	98.88
24	122+47.43	202.76' RT	210170.50	2848611.49	99.08	98.50
25	122+60.32	217.68' RT	210176.73	2848630.20	98.08	97.50
26	122+78.63	227.56' RT	210189.89	2848646.32	97.25	96.67
27	123+70.07	331.39' RT	210234.77	2848777.19	90.83	90.25
28	123+72.71	334.39' RT	210236.07	2848780.97	90.00	90.00

POINT
29 INTENTIONALLY LEFT BLANK
30 INTENTIONALLY LEFT BLANK

ITEM 419.30 SAWING BITUMINOUS PAVEMENT				
POINT	STATION	OFFSET	NORTHING	EASTING
S1	122+47.48	152.51' RT	210189.73	2848565.06
S2	119+89.87	152.48' RT	209951.63	2848466.72
S3	118+17.43	46.79' LT	209868.29	2848216.72
S4	188+22.69	68.87' LT	209881.58	2848198.32
S5	119+94.97	68.84' LT	210040.81	2848264.10
S6	122+03.55	45.25' LT	210224.60	2848365.51
S7	120+09.10	39.41' LT	210042.64	2848296.69
S8	120+35.15	48.49' LT	210070.18	2848298.25
S9	121+05.18	50.11' LT	210135.53	2848323.47
S10	118+98.87	377.27' RT	209781.73	2848639.76
S11	121+88.05	417.20' RT	210033.78	2848787.03
S12	123+12.89	417.21' RT	210149.17	2848834.69
S13	123+64.74	417.22' RT	210197.09	2848854.49
S14	124+56.48	408.38' RT	210285.26	2848881.33
S15	124+85.66	384.75' RT	210321.25	2848870.62
S16	124+88.41	378.27' RT	210326.27	2848865.68
S17	125+94.58	407.43' RT	210413.27	2848933.16
S18	128+05.82	289.00' RT	210653.72	2848904.31
S19	128+26.83	276.67' RT	210677.84	2848900.93

ITEM 609.34 CURB TYPE 5		
ISL-01		
POINT TO POINT	LENGTH	RADIUS
1 TO 2	26.04'	400.00'
2 TO 3	193.56'	531.00'
3 TO 4	129.63'	-
4 TO 5	43.91'	75.00'
5 TO 6	20.91'	-
7 TO 8	108.90'	165.00'
8 TO 9	165.42'	-
9 TO 10	126.73'	250.00'

ITEM 609.35 CURB TYPE 5 - CIRCULAR		
ISL-01		
POINT TO POINT	LENGTH	RADIUS
6 TO 7	62.58'	19.11'
10 TO 1	14.38'	5.00'

ITEM 609.38 RESET CURB TYPE 1		
ISL-02		
POINT TO POINT	LENGTH	RADIUS
11 TO 12	180.62'	-
13 TO 14	12.42'	-
15 TO 16	171.82'	-
17 TO 18	10.43'	-

ITEM 609.12 VERTICAL CURB TYPE 1 - CIRCULAR		
ISL-02		
POINT TO POINT	LENGTH	RADIUS
12 TO 13	8.04'	5.00'
14 TO 15	7.85'	5.00'
16 TO 17	2.94'	5.00'
18 TO 11	12.58'	5.00'

ITEM 609.12 VERTICAL CURB TYPE 1 - CIRCULAR		
MR-01		
POINT TO POINT	LENGTH	RADIUS
19 TO 20	10.63'	3.40'

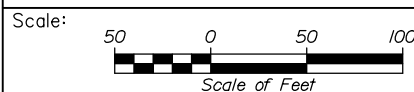
ITEM 609.238 TERMINAL CURB	
TYPE 1 - 8 FOOT	
MR-02	
POINT TO POINT	
21 TO 22	

ITEM 609.234 TERMINAL CURB	
TYPE 1 - 4 FOOT	
MR-03	
POINT TO POINT	
23 TO 24	
27 TO 28	

ITEM 609.12 VERTICAL CURB TYPE 1 - CIRCULAR		
MR-03		
POINT TO POINT	LENGTH	RADIUS
24 TO 25	21.52'	15.00'
25 TO 26	21.25'	30.00'

ITEM 609.38 RESET CURB TYPE 1		
MR-03		
POINT TO POINT	LENGTH	RADIUS
26 TO 27	138.36'	-

NOTES:
1. ALL TABLES ON THIS SHEET REFER TO CURB AND SAWCUT DATA ON SHEET GEO-01.



Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date	By	Date	
Designed	CRC	10\19	Checked	DSS	10\19
Drawn	CRC	10\19	In Charge of	RAL	10\19

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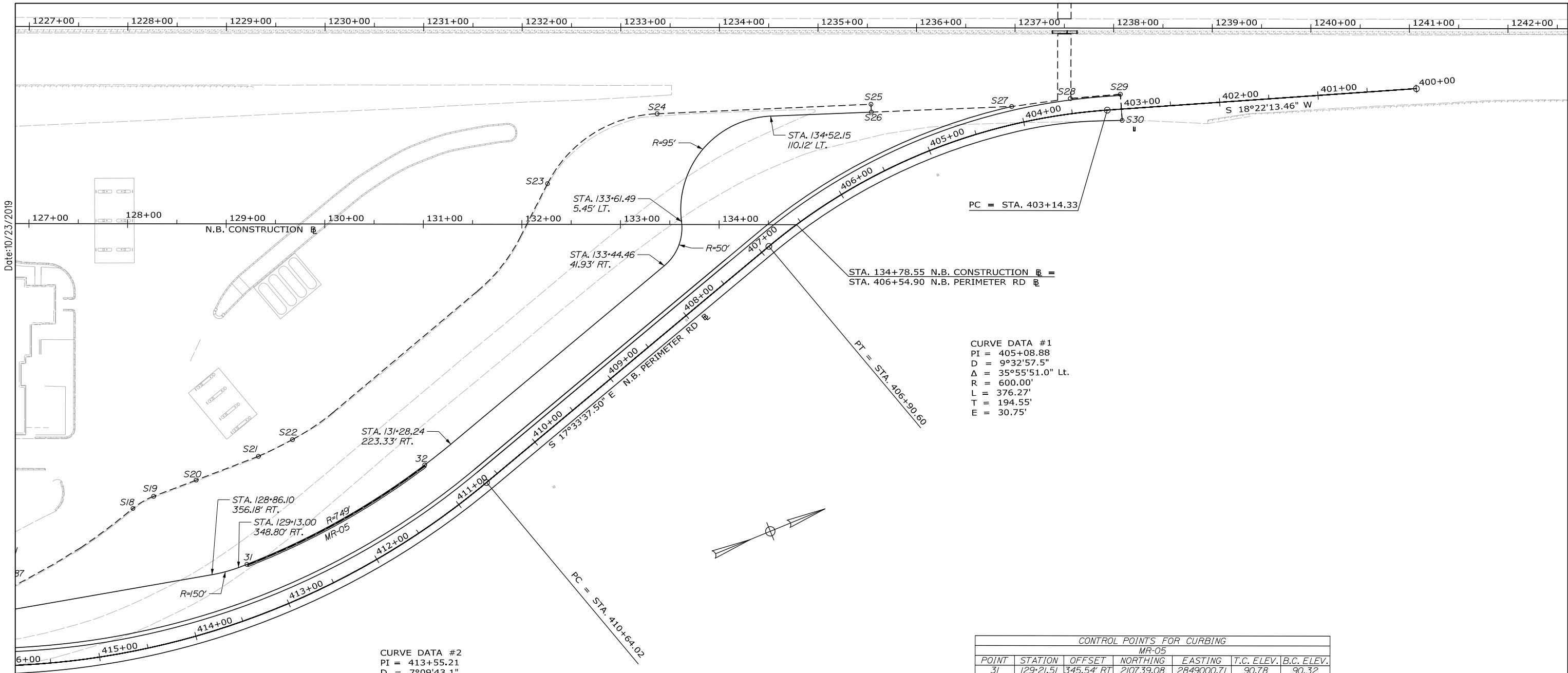
THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
GEOMETRIC PLAN 2
SOUTHBOUND PLAZA

SHEET NUMBER: GEO-02
CONTRACT: 2019.02
55 OF 158

Filename: 00X_Geometric Plan2.dgn



CURVE DATA #1
 PI = 405+08.88
 D = 9°32'57.5"
 Δ = 35°55'51.0" Lt.
 R = 600.00'
 L = 376.27'
 T = 194.55'
 E = 30.75'

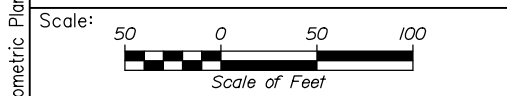
CURVE DATA #2
 PI = 413+55.21
 D = 7°09'43.1"
 Δ = 40°00'07.7" Rt.
 R = 800.00'
 L = 558.54'
 T = 291.19'
 E = 51.35'

CONTROL POINTS FOR CURBING						
MR-05						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
31	129+21.51	345.54' RT	210739.08	2849000.71	90.78	90.32
32	131+01.80	244.38' RT	210944.32	2848976.02	90.90	90.44

ITEM 609.34 CURB TYPE 5			
MR-05			
POINT TO POINT	LENGTH	RADIUS	
31 TO 32	207.39'	749.00'	

ITEM 419.30 SAWING BITUMINOUS PAVEMENT				
POINT	STATION	OFFSET	NORTHING	EASTING
S19	128+26.83	276.67' RT	210677.84	2848900.93
S20	128+69.95	260.15' RT	210724.00	2848902.11
S21	129+33.04	235.93' RT	210791.57	2848903.81
S22	129+67.55	218.91' RT	210829.96	2848901.25
S23	132+25.89	41.24' RT	211168.03	2848759.37
S24	133+37.02	112.36' RT	211297.89	2848736.05
S25	405+34.01	66.80' LT	211502.19	2848809.59
S26	405+36.78	59.41' LT	211499.48	2848817.12
S27	404+08.42	18.00' LT	211633.30	2848865.98
S28	403+50.00	15.50' LT	211691.45	2848881.08
S29	403+00.00	15.15' LT	211739.99	2848896.42
S30	403+00.00	11.41' RT	211731.62	2848921.63

Filename: 00X_Geometric Plan3.dgn



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CRC	10\19	Checked	DSS	10\19
Drawn	CRC	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

GEOMETRIC PLAN 3
 NORTHBOUND PLAZA

SHEET NUMBER: GEO-03

CONTRACT: 2019.02

56 OF 158

Date: 10/23/2019

CONTROL POINTS FOR CURBING MR-06						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
33	216+79.96	144.87' LT	209931.31	2847703.88	112.54	112.00
34	217+47.69	178.44' LT	210006.73	2847698.70	111.34	110.80
35	217+90.82	187.11' LT	210049.91	2847707.14	110.97	110.43
36	220+23.45	172.35' LT	210259.29	2847809.56	111.74	111.20

POINT 37 INTENTIONALLY LEFT BLANK

CONTROL POINTS FOR CURBING MR-07						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
38	217+91.21	84.24' RT	209946.71	2847958.10	110.88	110.30
39	217+89.45	74.63' RT	209948.74	2847948.55	110.37	109.79
40	218+09.88	69.53' RT	209969.57	2847951.63	110.14	109.56

ITEM 609.34 CURB TYPE 5, MR-06			
POINT TO POINT	LENGTH	RADIUS	
33 TO 34	75.6'	-	
34 TO 35	44.51'	85.00'	
35 TO 36	233.09'	-	

ITEM 609.38 RESET CURB TYPE 1 MR-07			
POINT TO POINT	LENGTH	RADIUS	
38 TO 39	15.34'	4.88'	
39 TO 40	21.05'	-	

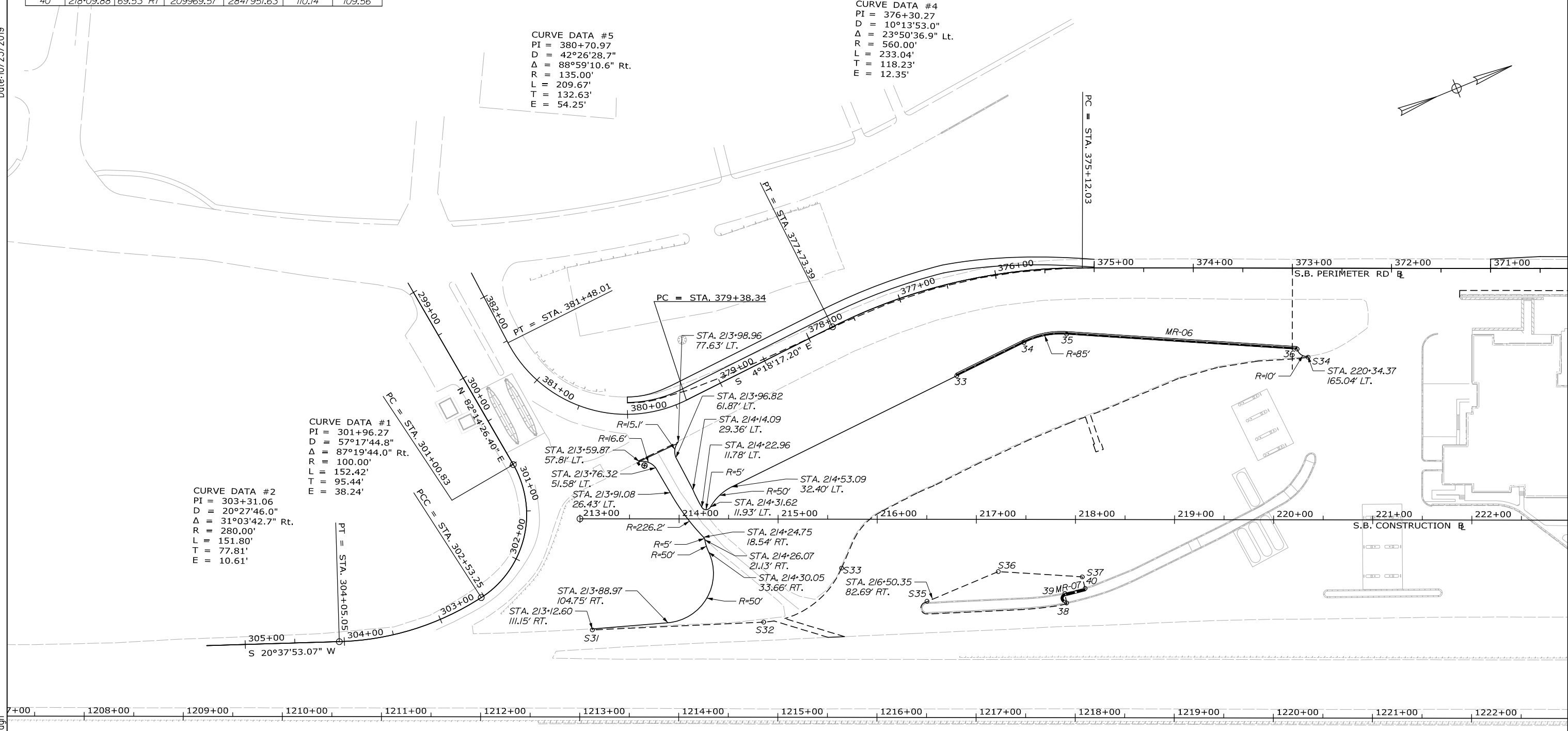
ITEM 419.30 SAWING BITUMINOUS PAVEMENT				
POINT	STATION	OFFSET	NORTHING	EASTING
S31	213+12.65	112.15' RT	209493.71	2847801.27
S32	214+85.55	104.02' RT	209656.63	2847859.73
S33	215+64.11	49.40' RT	209750.09	2847839.23
S34	220+34.50	164.14' LT	210266.37	2847821.37
S35	216+50.35	82.69' RT	209817.09	2847902.91
S36	217+22.20	52.66' RT	209894.97	2847902.58
S37	218+06.98	57.93' RT	209971.32	2847939.81

CURVE DATA #5
 PI = 380+70.97
 D = 42°26'28.7"
 Δ = 88°59'10.6" Rt.
 R = 135.00'
 L = 209.67'
 T = 132.63'
 E = 54.25'

CURVE DATA #4
 PI = 376+30.27
 D = 10°13'53.0"
 Δ = 23°50'36.9" Lt.
 R = 560.00'
 L = 233.04'
 T = 118.23'
 E = 12.35'

CURVE DATA #2
 PI = 303+31.06
 D = 20°27'46.0"
 Δ = 31°03'42.7" Rt.
 R = 280.00'
 L = 151.80'
 T = 77.81'
 E = 10.61'

CURVE DATA #1
 PI = 301+96.27
 D = 57°17'44.8"
 Δ = 87°19'44.0" Rt.
 R = 100.00'
 L = 152.42'
 T = 95.44'
 E = 38.24'



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

By	Date	By	Date
Designed	CRC 10\19	Checked	DSS 10\19
Drawn	CRC 10\19	In Charge of	RAL 10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 GEOMETRIC PLAN 4
 SOUTHBOUND PLAZA

SHEET NUMBER: GEO-04
 CONTRACT: 2019.02
 57 OF 158

Filename: 00X_Geometric Plan4.dgn

POINT
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CONTROL POINTS FOR CURBING MR-09						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
43	226+94.43	67.51' RT	210787.95	2848287.35	104.3	103.72
44	227+42.90	69.24' RT	210832.09	2848307.44	103.87	103.29
45	226+94.49	72.62' RT	210786.05	2848292.09	104.14	103.56
46	227+42.67	74.46' RT	210829.88	2848312.18	103.69	103.11

CONTROL POINTS FOR CURBING MR-10						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
47	227+87.13	70.94' RT	210872.33	2848325.89	103.53	102.95
48	228+53.90	73.76' RT	210932.96	2848353.98	102.48	101.90
49	227+86.91	76.14' RT	210870.14	2848330.61	103.33	102.75
50	228+53.66	78.96' RT	210930.76	2848358.69	102.57	101.99

CONTROL POINTS FOR CURBING ISL-03						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
51	229+30.99	61.47' RT	211008.91	2848372.04	101.04	100.58
52	229+36.89	51.03' RT	211018.35	2848364.64	100.89	100.43
53	229+93.03	82.75' RT	211058.12	2848415.39	99.49	99.03
54	230+03.87	85.95' RT	211066.93	2848422.48	99.29	98.83
55	233+98.59	108.94' RT	211423.00	2848594.37	96.24	95.78
56	233+98.13	116.93' RT	211419.53	2848601.58	96.27	95.81
57	229+92.49	93.30' RT	211053.61	2848424.93	100.45	99.99
58	229+81.64	90.11' RT	211044.80	2848417.84	100.59	100.13

ITEM 609.38 RESET CURB TYPE I MR-09		
POINT TO POINT	LENGTH	RADIUS
43 TO 44	48.50'	-
45 TO 46	48.21'	-

ITEM 609.38 RESET CURB TYPE I MR-10		
POINT TO POINT	LENGTH	RADIUS
47 TO 48	66.82'	-
49 TO 50	66.81'	-

ITEM 609.34 CURB TYPE 5 ISL-03		
POINT TO POINT	LENGTH	RADIUS
52 TO 53	64.48'	-
54 TO 55	395.39'	-
56 TO 57	406.32'	-
58 TO 51	58.19'	-

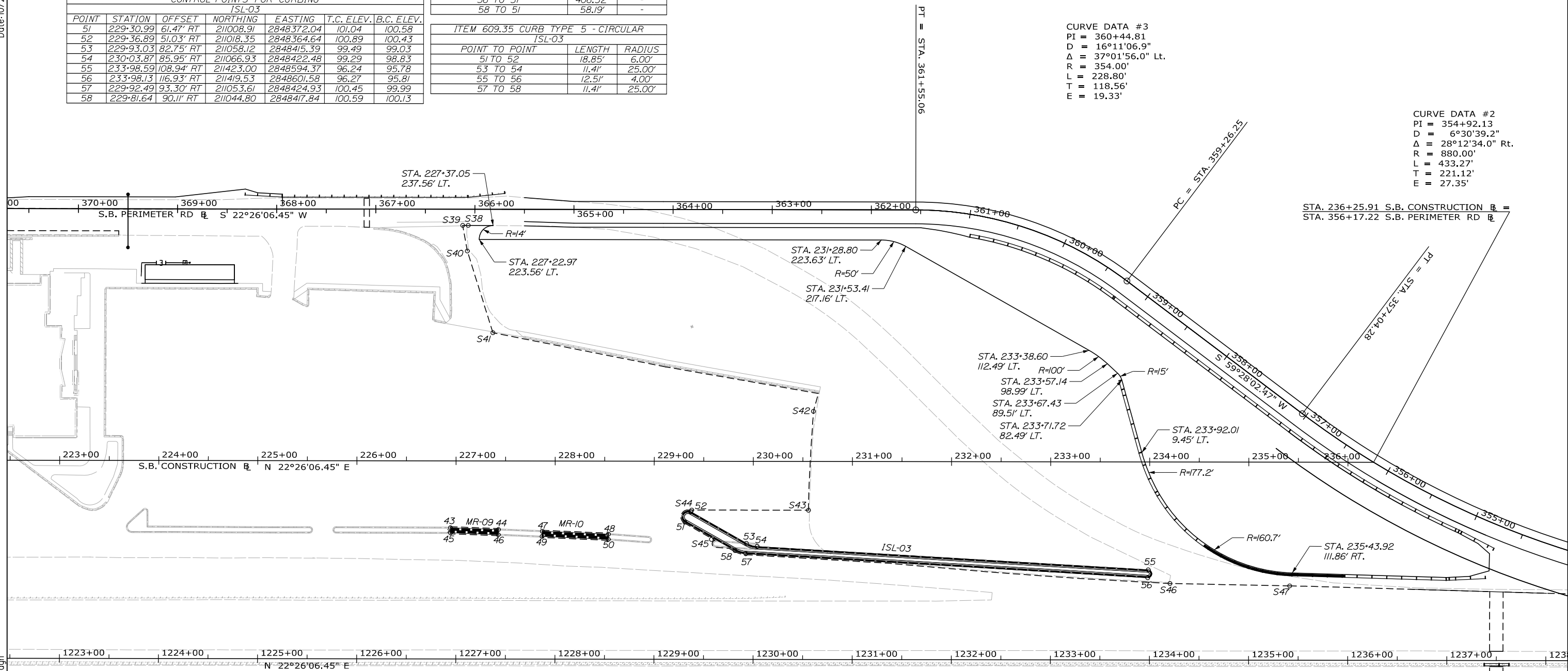
ITEM 609.35 CURB TYPE 5 - CIRCULAR ISL-03		
POINT TO POINT	LENGTH	RADIUS
51 TO 52	18.85'	6.00'
53 TO 54	11.41'	25.00'
55 TO 56	12.51'	4.00'
57 TO 58	11.41'	25.00'

ITEM 419.30 SAWING BITUMINOUS PAVEMENT				
POINT	STATION	OFFSET	NORTHING	EASTING
S38	227+11.92	237.70' LT	210920.59	2848011.91
S39	227+06.36	237.70' LT	210915.45	2848009.78
S40	227+11.05	211.83' LT	210909.92	2848035.49
S41	227+37.01	129.40' LT	210902.45	2848121.59
S42	230+60.56	50.55' LT	211171.42	2848317.95
S43	230+55.72	49.28' RT	211128.84	2848408.38
S44	229+37.88	49.28' RT	211019.92	2848363.41
S45	229+57.78	78.87' RT	211027.03	2848398.35
S46	234+20.59	122.69' RT	211438.09	2848615.48
S47	235+41.40	124.94' RT	211548.89	2848663.66

CURVE DATA #3
PI = 360+44.81
D = 16°11'06.9"
Δ = 37°01'56.0" Lt.
R = 354.00'
L = 228.80'
T = 118.56'
E = 19.33'

CURVE DATA #2
PI = 354+92.13
D = 6°30'39.2"
Δ = 28°12'34.0" Rt.
R = 880.00'
L = 433.27'
T = 221.12'
E = 27.35'

Date: 10/23/2019



Filename: 00X_Geometric Plans.dgn

Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CRC	10\19	Checked	DSS	10\19
Drawn	CRC	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

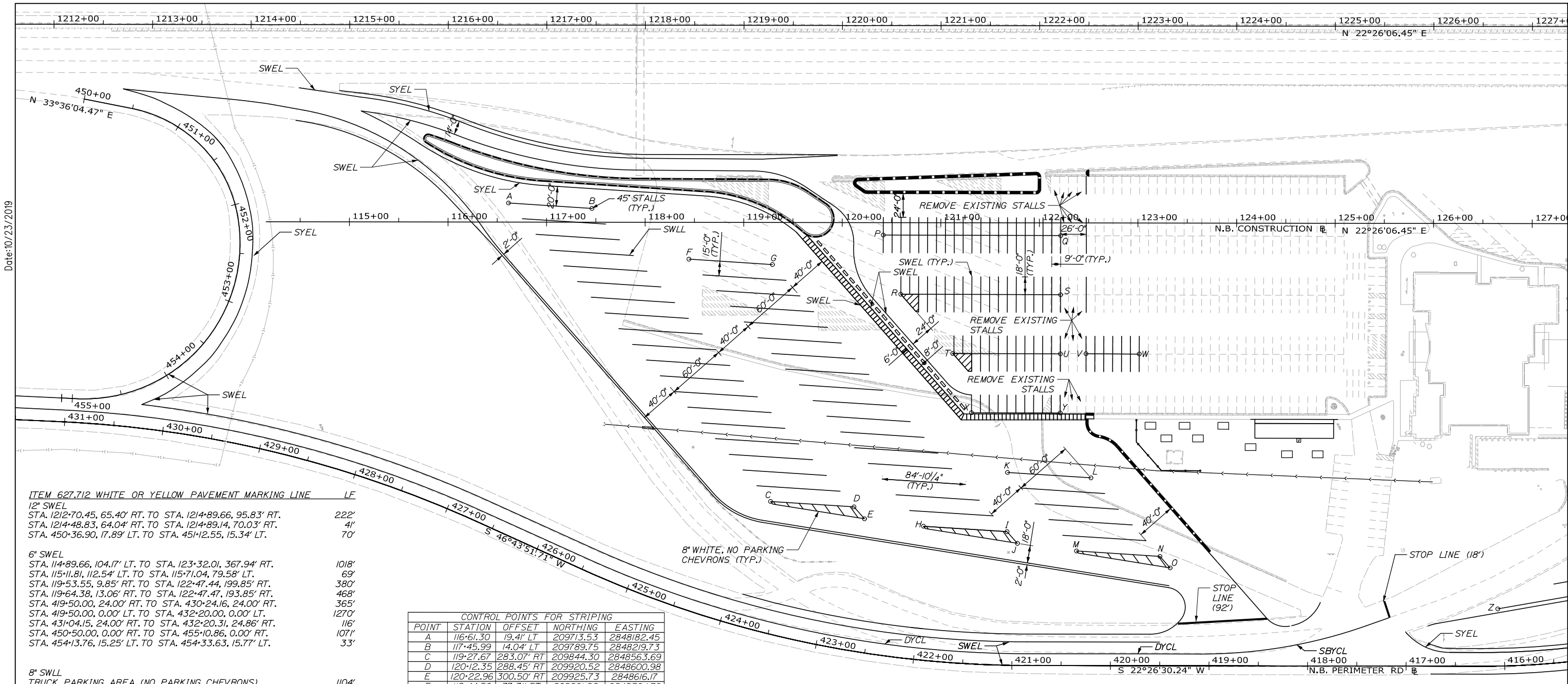
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

GEOMETRIC PLAN 5
SOUTHBOUND PLAZA

SHEET NUMBER: GEO-05
CONTRACT: 2019.02
8 OF 158



ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE LF
 12" SWEL
 STA. 1212+70.45, 65.40' RT. TO STA. 1214+89.66, 95.83' RT. 222'
 STA. 1214+48.83, 64.04' RT. TO STA. 1214+89.14, 70.03' RT. 41'
 STA. 450+36.90, 17.89' LT. TO STA. 451+12.55, 15.34' LT. 70'

6" SWEL
 STA. 114+89.66, 104.17' LT. TO STA. 123+32.01, 367.94' RT. 1018'
 STA. 115+11.81, 112.54' LT. TO STA. 115+71.04, 79.58' LT. 69'
 STA. 119+53.55, 9.85' RT. TO STA. 122+47.44, 199.85' RT. 380'
 STA. 119+64.38, 13.06' RT. TO STA. 122+47.47, 193.85' RT. 468'
 STA. 419+50.00, 24.00' RT. TO STA. 430+24.16, 24.00' RT. 365'
 STA. 419+50.00, 0.00' LT. TO STA. 432+20.00, 0.00' LT. 1270'
 STA. 431+04.15, 24.00' RT. TO STA. 432+20.31, 24.86' RT. 116'
 STA. 450+50.00, 0.00' RT. TO STA. 455+10.86, 0.00' RT. 1071'
 STA. 454+13.76, 15.25' LT. TO STA. 454+33.63, 15.77' LT. 33'

8" SWLL
 TRUCK PARKING AREA (NO PARKING CHEVRONS) 1104'
 CAR PARKING AREA (NO PARKING CHEVRONS) 127'

4" SWLL
 41 TRUCK PARKING STALLS 3479'
 118 PASSENGER CAR PARKING STALLS 2953'

6" SYEL
 STA. 114+89.14, 129.97' LT. TO STA. 119+94.91, 67.95' LT. 514'
 STA. 115+71.05, 79.58' LT. TO STA. 119+53.56, 9.85' RT. 400'
 STA. 451+12.55, 15.34' LT. TO STA. 454+03.76, 15.25' LT. 33'

DYCL
 STA. 419+50.00, 12.00' RT. TO STA. 432+20.00, 12.00' RT. 1270'

6" SBYCL
 STA. 417+16.70, 49.26' RT. TO STA. 419+50.00, 12.00' RT. 237'

ITEM 627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING SF
 STA. 123+41.32, 407.50' RT. TO STA. 124+32.56, 402.22' RT. 184'
 STA. 125+49.55, 383.59' RT. TO STA. 125+54.97, 400.23' RT. 36'

POINT	STATION	OFFSET	NORTHING	EASTING
A	116+61.30	19.41' LT	209713.53	2848182.45
B	117+45.99	14.04' LT	209789.75	2848219.73
C	119+27.67	283.07' RT	209844.30	2848563.69
D	120+12.35	288.45' RT	209920.52	2848600.98
E	120+22.96	300.50' RT	209925.73	2848616.17
F	118+44.50	37.31' RT	209861.22	2848304.79
G	119+29.18	42.69' RT	209937.44	2848342.08
H	120+82.83	307.96' RT	209978.22	2848645.91
I	121+67.65	313.34' RT	210054.56	2848683.26
J	121+78.20	325.22' RT	210059.79	2848698.26
K	121+68.01	253.24' RT	210077.83	2848627.84
L	122+52.69	258.62' RT	210154.04	2848662.13
M	122+38.11	332.85' RT	210112.24	2848728.17
N	123+22.79	338.22' RT	210188.46	2848765.46
O	123+33.16	349.89' RT	210193.60	2848780.20
P	120+41.65	12.57' RT	210052.88	2848357.16
Q	122+21.68	12.84' RT	210219.19	2848426.11
R	120+59.45	72.60' RT	210046.43	2848419.44
S	122+21.59	72.84' RT	210196.21	2848481.54
T	121+12.36	132.67' RT	210072.40	2848495.16
U	122+21.51	132.84' RT	210173.23	2848536.96
V	122+47.51	132.67' RT	210197.32	2848546.74
W	123+01.50	133.00' RT	210247.11	2848567.64
X	121+31.40	192.70' RT	210067.10	2848557.91
Y	122+21.42	192.84' RT	210150.25	2848592.39
Z	126+65.67	390.97' RT	210485.26	2848945.07

STRIPING LEGEND
 SWLL - SOLID WHITE LANE LINE
 SWEL - SOLID WHITE EDGE LINE
 DWLL - DOTTED WHITE LANE LINE
 BWLL - BROKEN WHITE LANE LINE
 SYEL - SOLID YELLOW EDGE LINE
 DYCL - DOUBLE YELLOW CENTERLINE
 SYCL - SINGLE YELLOW CENTERLINE
 SBYCL - SINGLE BROKEN YELLOW CENTERLINE
 SL - STOP LINE

NOTE: EXISTING PAVEMENTS MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.

Scale: 50 0 50 100
 Scale of Feet

No.	Revision	By	Date

Designed by:

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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THE GOLD STAR MEMORIAL HIGHWAY

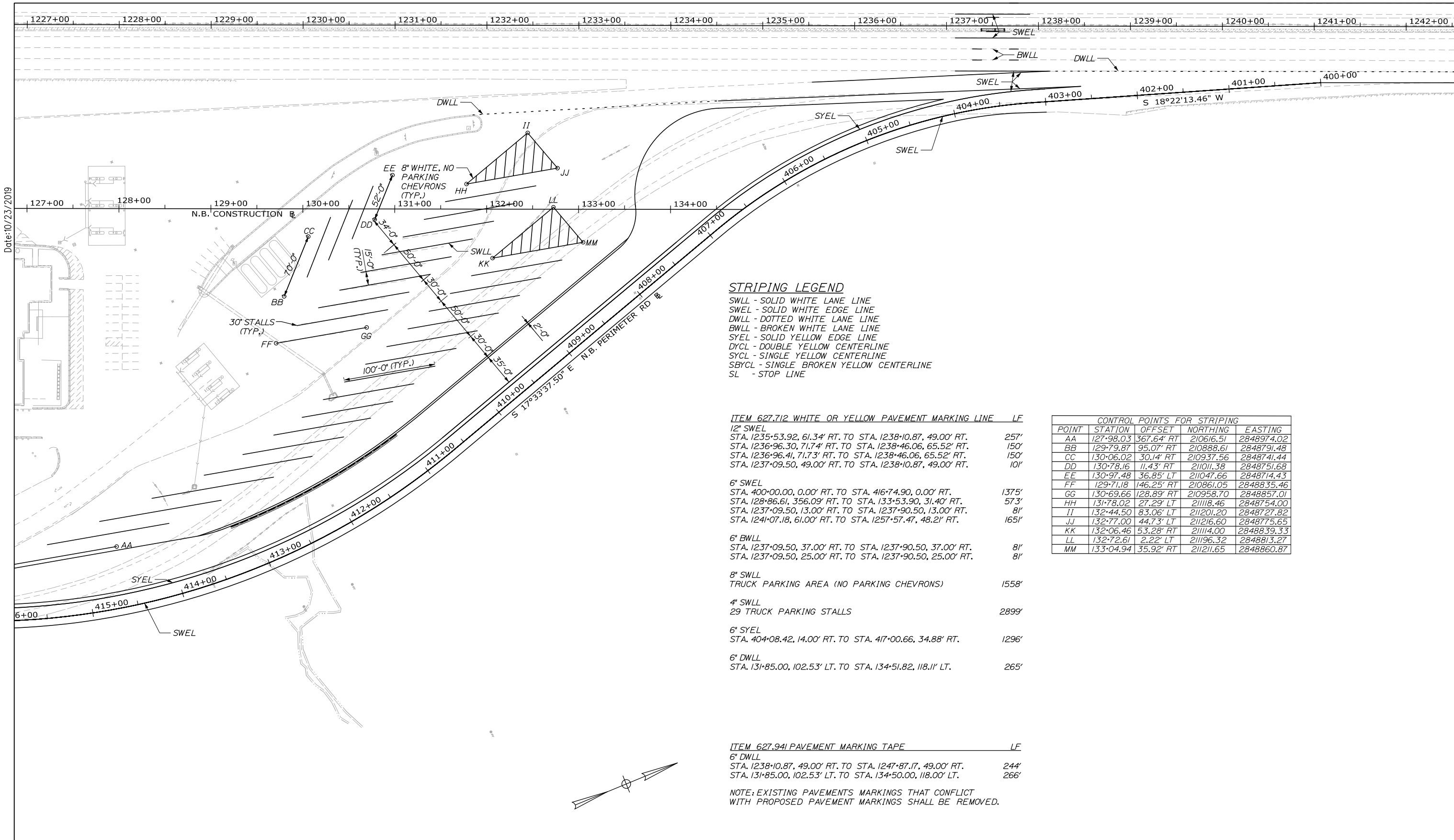
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 STRIPING PLAN 1
 NORTHBOUND PLAZA

SHEET NUMBER: STR-01
 CONTRACT: 2019.02
 59 OF 158

Date: 10/23/2019

Filename: 00X_StripingPlan1.dgn



STRIPING LEGEND
 SWLL - SOLID WHITE LANE LINE
 SWEL - SOLID WHITE EDGE LINE
 DWLL - DOTTED WHITE LANE LINE
 BWLL - BROKEN WHITE LANE LINE
 SYEL - SOLID YELLOW EDGE LINE
 DYCL - DOUBLE YELLOW CENTERLINE
 SYCL - SINGLE YELLOW CENTERLINE
 SBYCL - SINGLE BROKEN YELLOW CENTERLINE
 SL - STOP LINE

ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE LF

12" SWLL
 STA. 1235+53.92, 61.34' RT. TO STA. 1238+10.87, 49.00' RT. 257'
 STA. 1236+96.30, 71.74' RT. TO STA. 1238+46.06, 65.52' RT. 150'
 STA. 1236+96.41, 71.73' RT. TO STA. 1238+46.06, 65.52' RT. 150'
 STA. 1237+09.50, 49.00' RT. TO STA. 1238+10.87, 49.00' RT. 101'

6" SWEL
 STA. 400+00.00, 0.00' RT. TO STA. 416+74.90, 0.00' RT. 1375'
 STA. 128+86.61, 356.09' RT. TO STA. 133+53.90, 31.40' RT. 573'
 STA. 1237+09.50, 13.00' RT. TO STA. 1237+90.50, 13.00' RT. 81'
 STA. 1241+07.18, 61.00' RT. TO STA. 1257+57.47, 48.21' RT. 1651'

6" BWLL
 STA. 1237+09.50, 37.00' RT. TO STA. 1237+90.50, 37.00' RT. 81'
 STA. 1237+09.50, 25.00' RT. TO STA. 1237+90.50, 25.00' RT. 81'

8" SWLL
 TRUCK PARKING AREA (NO PARKING CHEVRONS) 1558'

4" SWLL
 29 TRUCK PARKING STALLS 2899'

6" SYEL
 STA. 404+08.42, 14.00' RT. TO STA. 417+00.66, 34.88' RT. 1296'

6" DWLL
 STA. 131+85.00, 102.53' LT. TO STA. 134+51.82, 118.11' LT. 265'

CONTROL POINTS FOR STRIPING				
POINT	STATION	OFFSET	NORTHING	EASTING
AA	127+98.03	367.64' RT	210616.51	2848974.02
BB	129+79.87	95.07' RT	210888.61	2848791.48
CC	130+06.02	30.14' RT	210937.56	2848741.44
DD	130+78.16	11.43' RT	211011.38	2848751.68
EE	130+97.48	36.85' LT	211047.66	2848714.43
FF	129+71.18	146.25' RT	210861.05	2848835.46
GG	130+69.66	128.89' RT	210958.70	2848857.01
HH	131+78.02	27.29' LT	211118.46	2848754.00
II	132+44.50	83.06' LT	211201.20	2848727.82
JJ	132+77.00	44.73' LT	211216.60	2848775.65
KK	132+06.46	53.28' RT	21114.00	2848839.33
LL	132+72.61	2.22' LT	211196.32	2848813.27
MM	133+04.94	35.92' RT	211211.65	2848860.87

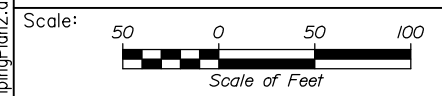
ITEM 627.941 PAVEMENT MARKING TAPE LF

6" DWLL
 STA. 1238+10.87, 49.00' RT. TO STA. 1247+87.17, 49.00' RT. 244'
 STA. 131+85.00, 102.53' LT. TO STA. 134+50.00, 118.00' LT. 266'

NOTE: EXISTING PAVEMENTS MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.

Date: 10/23/2019

Filename: 00X_StripingPlan2.dgn



No.	Revision	By	Date


Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

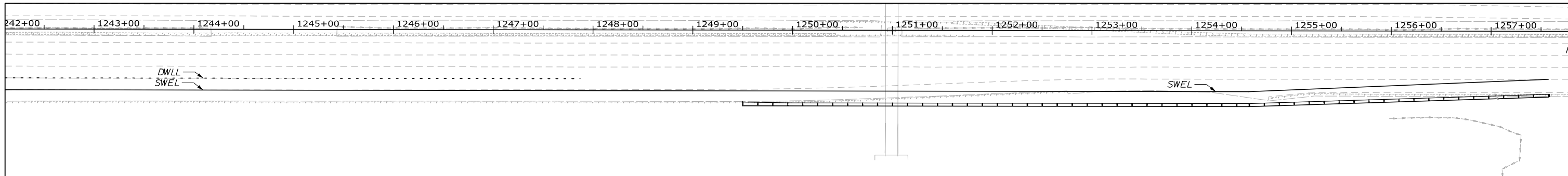
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

STRIPING PLAN 2
 NORTHBOUND PLAZA

SHEET NUMBER: STR-02

CONTRACT: 2019.02

60 OF 158



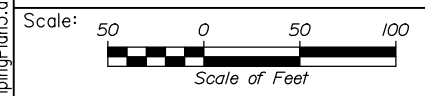
STRIPING LEGEND

- SWLL - SOLID WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- DWLL - DOTTED WHITE LANE LINE
- BWLL - BROKEN WHITE LANE LINE
- SYEL - SOLID YELLOW EDGE LINE
- DYCL - DOUBLE YELLOW CENTERLINE
- SYCL - SINGLE YELLOW CENTERLINE
- SBYCL - SINGLE BROKEN YELLOW CENTERLINE
- SL - STOP LINE

NOTE: EXISTING PAVEMENTS MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.

Date: 10/23/2019

Filename: 00X_StripingPlan3.dgn



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 STRIPING PLAN 3
 NORTHBOUND PLAZA

SHEET NUMBER: STR-03
 CONTRACT: 2019.02
 61 OF 158

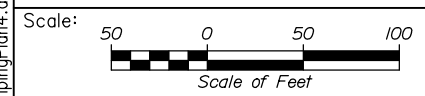
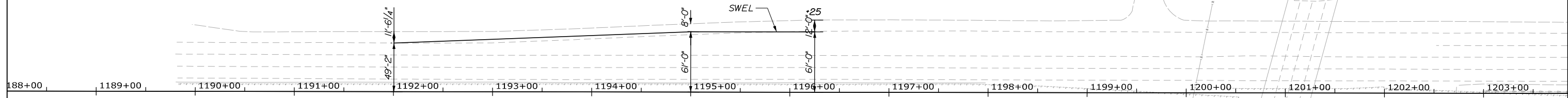
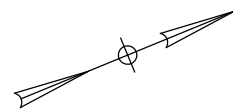
Date: 10/23/2019

STRIPING LEGEND

- SWLL - SOLID WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- DWLL - DOTTED WHITE LANE LINE
- BWLL - BROKEN WHITE LANE LINE
- SYEL - SOLID YELLOW EDGE LINE
- DYCL - DOUBLE YELLOW CENTERLINE
- SYCL - SINGLE YELLOW CENTERLINE
- SBYCL - SINGLE BROKEN YELLOW CENTERLINE

ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE LF
 6" SWEL
 STA. 1192+00.48, 49.16' LT. TO STA. 1196+25.00, 61.00' LT. 425'

NOTE: EXISTING PAVEMENTS MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 STRIPING PLAN 4
 SOUTHBOUND PLAZA

Filename: 00X_StripingPlan4.dgn

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

SHEET NUMBER: STR-04

62 OF 158

Date: 10/23/2019

CONTROL POINTS FOR STRIPING				
POINT	STATION	OFFSET	NORTHING	EASTING
A	214+98.26	21.31' LT	209716.21	2847748.74
B	215+20.47	23.49' RT	209719.64	2847798.63
C	215+98.06	14.98' LT	209806.04	2847792.69
D	218+20.81	181.20' LT	210075.36	2847724.05
E	219+20.61	174.87' LT	210165.19	2847767.99
F	215+82.88	81.84' RT	209755.06	2847876.38
G	215+60.67	37.04' RT	209751.63	2847826.50
H	216+60.47	43.37' RT	209841.46	2847870.44
I	218+02.58	82.88' LT	210020.99	2847807.98
J	219+02.38	76.54' LT	210110.82	2847851.92
K	217+92.87	49.64' RT	209961.45	2847926.76
L	218+26.82	0.017' RT	210011.70	2847893.98
M	219+00.00	1.88' RT	210078.70	2847923.50
N	219+39.42	55.97' LT	210137.21	2847885.07

NOTE: EXISTING PAVEMENTS MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.

STRIPING LEGEND

SWLL - SOLID WHITE LANE LINE
 SWEL - SOLID WHITE EDGE LINE
 DWLL - DOTTED WHITE LANE LINE
 BWLL - BROKEN WHITE LANE LINE
 SYEL - SOLID YELLOW EDGE LINE
 DYCL - DOUBLE YELLOW CENTERLINE
 SYCL - SINGLE YELLOW CENTERLINE
 SBYCL - SINGLE BROKEN YELLOW CENTERLINE
 SL - STOP LINE

ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE LF
 6" SWEL STA. 213+95, 94.57' RT. TO STA. 216+50, 94.57' RT. 425'

ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE LF
 12" SWEL STA. 1211+57.34, 79.37' LT. TO STA. 1211+92.90, 80.64' LT. 36'
 STA. 302+51.33, 16.74' LT. TO STA. 303+08.76, 16.74' LT. 61'

6" SWEL STA. 214+33.36, 10.96' LT. TO STA. 217+91.88, 198.11' LT. 406'
 STA. 372+32.45, 24.00' LT. TO STA. 379+67.41, 48.93' LT. 742'
 STA. 375+00.00, 0.00' RT. TO STA. 380+69.90, 12.00' RT. 563'
 STA. 379+77.99, 53.60' LT. TO STA. 380+33.20, 82.11' LT. 93'

8" SWLL TRUCK PARKING AREA (NO PARKING CHEVRONS) 2729'

6" SWLL STA. 376+50.00, 0.00' RT. TO STA. 380+69.91, 0.00' RT. 420'

4" SWLL 25 TRUCK PARKING STALLS 2440'

6" SYEL STA. 301+9.54, 46.25' LT. TO STA. 380+70.12, 13.36' LT. 173'

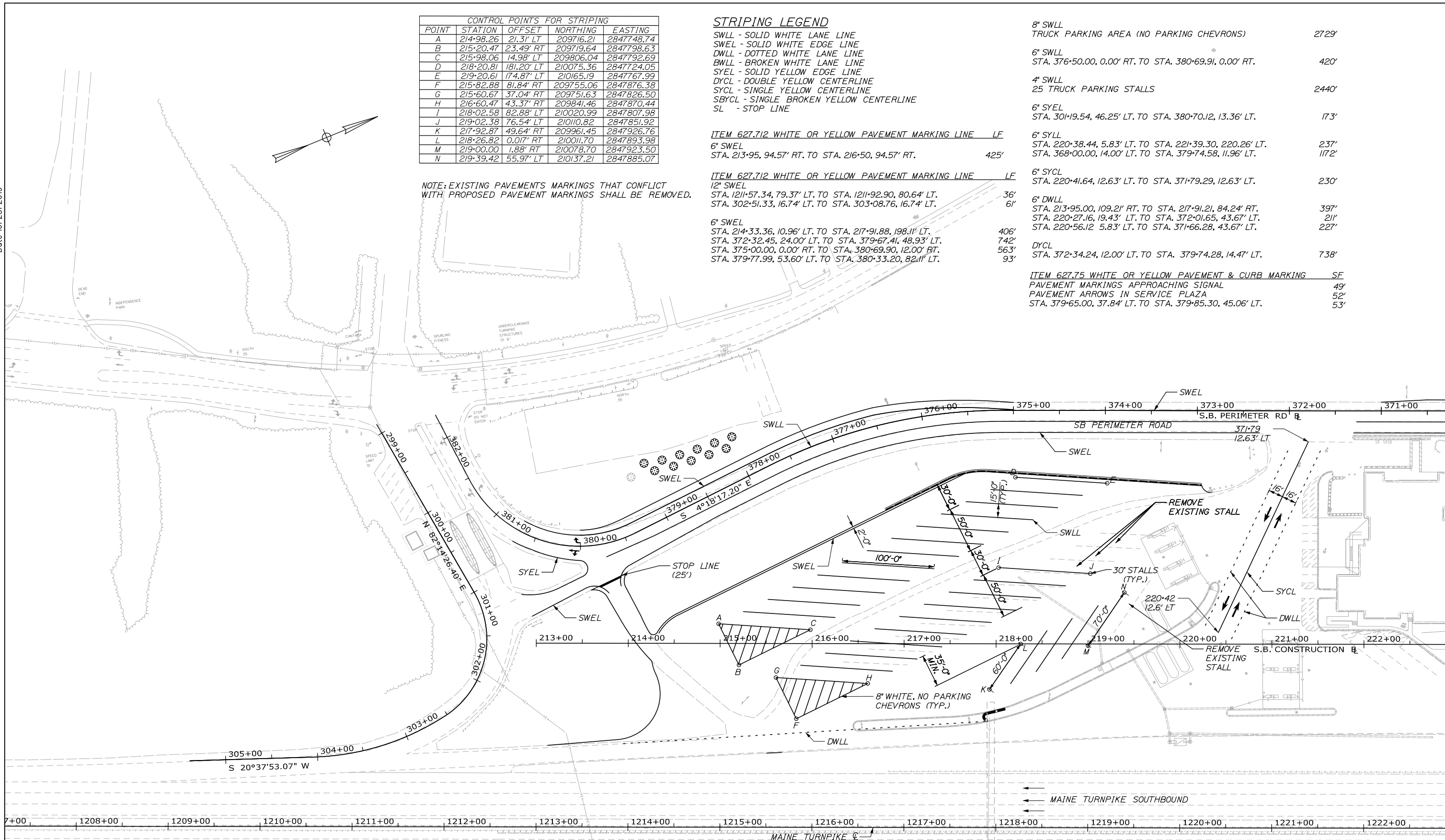
6" SYLL STA. 220+38.44, 5.83' LT. TO STA. 221+39.30, 220.26' LT. 237'
 STA. 368+00.00, 14.00' LT. TO STA. 379+74.58, 11.96' LT. 1172'

6" SYCL STA. 220+41.64, 12.63' LT. TO STA. 371+79.29, 12.63' LT. 230'

6" DWLL STA. 213+95.00, 109.21' RT. TO STA. 217+91.21, 84.24' RT. 397'
 STA. 220+27.16, 19.43' LT. TO STA. 372+01.65, 43.67' LT. 211'
 STA. 220+56.12, 5.83' LT. TO STA. 371+66.28, 43.67' LT. 227'

DYCL STA. 372+34.24, 12.00' LT. TO STA. 379+74.28, 14.47' LT. 738'

ITEM 627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING SF
 PAVEMENT MARKINGS APPROACHING SIGNAL 49'
 PAVEMENT ARROWS IN SERVICE PLAZA 52'
 STA. 379+65.00, 37.84' LT. TO STA. 379+85.30, 45.06' LT. 53'



Scale: 0 50 100
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

STRIPING PLAN 5
 SOUTHBOUND PLAZA

SHEET NUMBER: STR-05
 CONTRACT: 2019.02
 63 OF 158

Filename: 00X_StripingPlan5.dgn

STRIPING LEGEND

- SWLL - SOLID WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- DWLL - DOTTED WHITE LANE LINE
- BWLL - BROKEN WHITE LANE LINE
- SYEL - SOLID YELLOW EDGE LINE
- DYCL - DOUBLE YELLOW CENTERLINE
- SYCL - SINGLE YELLOW CENTERLINE
- SBYCL - SINGLE BROKEN YELLOW CENTERLINE
- SL - STOP LINE

NOTE: EXISTING PAVEMENTS MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.

ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE LF

- 12" SWEL STA. 1232+40.46, 49.00' LT. TO STA. 1239+80.98, 49.00' LT. 74'
- STA. 1232+41.55, 74.16' LT. TO STA. 1239+80.98, 49.00' LT. 740'
- STA. 1234+01.82, 78.85' LT. TO STA. 1234+50.19, 76.04' LT. 48'
- STA. 1234+02.64, 92.83' LT. TO STA. 1234+50.19, 76.04' LT. 51'
- STA. 1237+41.96, 69.64' LT. TO STA. 1239+81.37, 62.99' LT. 239'
- STA. 1237+48.53, 122.71' LT. TO STA. 1239+81.37, 62.99' LT. 241'
- 6" SWEL STA. 1229+86.70, 107.04' LT. TO STA. 1234+01.82, 78.85' LT. 416'
- STA. 1233+02.81, 98.64' LT. TO STA. 1234+02.64, 92.83' LT. 100'
- STA. 1235+57.66, 74.76' LT. TO STA. 1237+41.96, 69.64' LT. 184'
- STA. 1237+09.50, 13.00' LT. TO STA. 1237+90.50, 13.00' LT. 81'
- STA. 226+82.80, 140.17' LT. TO STA. 229+31.03, 61.47' RT. 330'
- STA. 226+89.05, 138.99' LT. TO STA. 229+28.76, 53.30' RT. 316'
- STA. 226+94.36, 143.92' LT. TO STA. 229+35.56, 50.25' RT. 319'
- STA. 226+99.21, 143.24' LT. TO STA. 226+76.31, 222.66' LT. 91'
- STA. 227+22.96, 221.56' LT. TO STA. 235+57.66, 125.24' RT. 992'
- STA. 350+00.00, 0.00' RT. TO STA. 375+00.00, 0.00' RT. 2500'
- STA. 368+13.13, 25.74' LT. TO STA. 371+30.13, 24.00' LT. 230'
- 6" BWLL STA. 1237+09.50, 37.00' LT. TO STA. 1237+90.50, 37.00' LT. 81'
- STA. 1237+09.50, 25.00' LT. TO STA. 1237+90.50, 25.00' LT. 81'
- 8" SWLL TRUCK PARKING AREA (NO PARKING CHEVRONS) 2925'
- CAR PARKING AREA (NO PARKING CHEVRONS) 514'
- 4" SWLL 49 TRUCK PARKING STALLS 3988'
- 46 CAR PARKING STALLS 990'
- 6" SYEL STA. 1230+05.22, 85.22' LT. TO STA. 1232+41.55, 74.16' LT. 237'
- STA. 354+73.94, 14.00' LT. TO STA. 366+00.00, 14.00' LT. 1121'
- STA. 354+73.94, 13.25' LT. TO STA. 367+76.07, 13.85' LT. 97'
- DYCL STA. 368+12.89, 12.00' LT. TO STA. 371+27.00, 12.00' LT. 227'

ITEM 627.75 WHITE OR YELLOW PAVEMENT & CURB MARKING SF

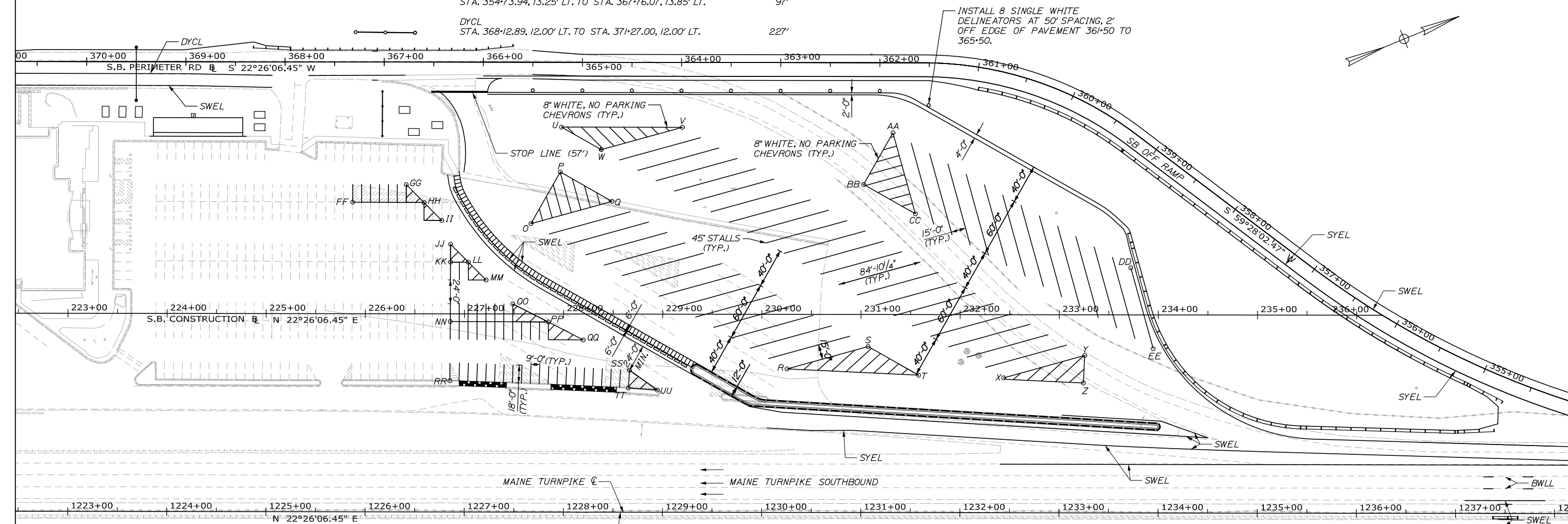
STA. 365+95.62, 31.01' LT. TO STA. 366+52.35, 28.94' LT. 116

ITEM 645.301 DEMOUNTABLE REFLECTORIZED DELINEATOR, SINGLE EA

SINGLE WHITE DELINEATOR STA. 361+50, 42.75' LT. TO 365+50, 28.43' LT. 9

CONTROL POINTS FOR STRIPING				
POINT	STATION	OFFSET	NORTHING	EASTING
O	227+66.90	91.04' LT	210915.44	2848168.45
P	227+96.42	143.26' LT	210962.65	2848131.45
Q	228+48.65	113.75' LT	210999.67	2848178.66
R	230+25.43	55.11' RT	21098.62	2848402.20
S	231+07.22	32.39' RT	211182.89	2848412.42
T	231+58.21	61.22' RT	211219.03	2848458.52
U	227+97.59	188.57' LT	210981.03	2848090.02
V	229+19.46	188.59' LT	21093.68	2848136.50
W	228+37.72	165.89' LT	21009.47	2848126.29
X	232+43.97	63.78' RT	211297.32	2848493.62
Y	233+25.70	41.08' RT	211381.53	2848503.83
Z	233+24.42	68.89' RT	211369.73	2848529.04
AA	231+32.00	183.31' LT	211288.12	2848222.50
BB	231+02.48	131.09' LT	211240.90	2848259.51
CC	231+54.70	101.57' LT	211277.91	2848306.72
DD	233+72.09	47.54' LT	211458.22	2848439.62
EE	233+94.79	34.22' RT	211448.01	2848523.85
FF	225+87.03	112.52' LT	210757.38	2848079.95
GG	226+41.13	130.33' LT	210814.18	2848084.14
HH	226+58.98	112.31' LT	210823.80	2848107.60
II	226+76.91	94.22' LT	210833.48	2848131.17
JJ	226+85.90	70.23' LT	210832.63	2848156.77
KK	226+85.85	52.23' LT	210825.72	2848173.39
LL	227+03.85	52.18' LT	210842.33	2848180.31
MM	227+21.72	34.21' LT	210851.99	2848203.74
NN	226+85.68	7.77' RT	210802.66	2848228.78
OO	227+48.73	10.05' LT	210867.74	2848236.38
PP	227+84.68	8.05' RT	210894.05	2848266.83
QQ	228+19.78	26.16' RT	210919.59	2848296.96
RR	226+85.33	67.49' RT	210779.54	2848283.85
SS	228+66.63	56.62' RT	210951.26	2848343.00
TT	228+65.35	74.58' RT	210943.23	2848359.11
UU	228+94.57	76.65' RT	210969.45	2848372.17

Date: 10/23/2019



Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

HNTB CORPORATION
340 County Road, Suite 6-C
Westbrook, ME 04092
TEL (207) 774-5155
FAX (207) 228-0909

MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB

STRIPING PLAN 6
SOUTHBOUND PLAZA

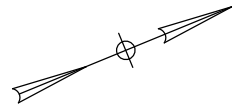
SHEET NUMBER: STR-06

CONTRACT: 2019.02

64 OF 158

Filename: 00X_StripingPlan6.dgn

Date: 10/23/2019



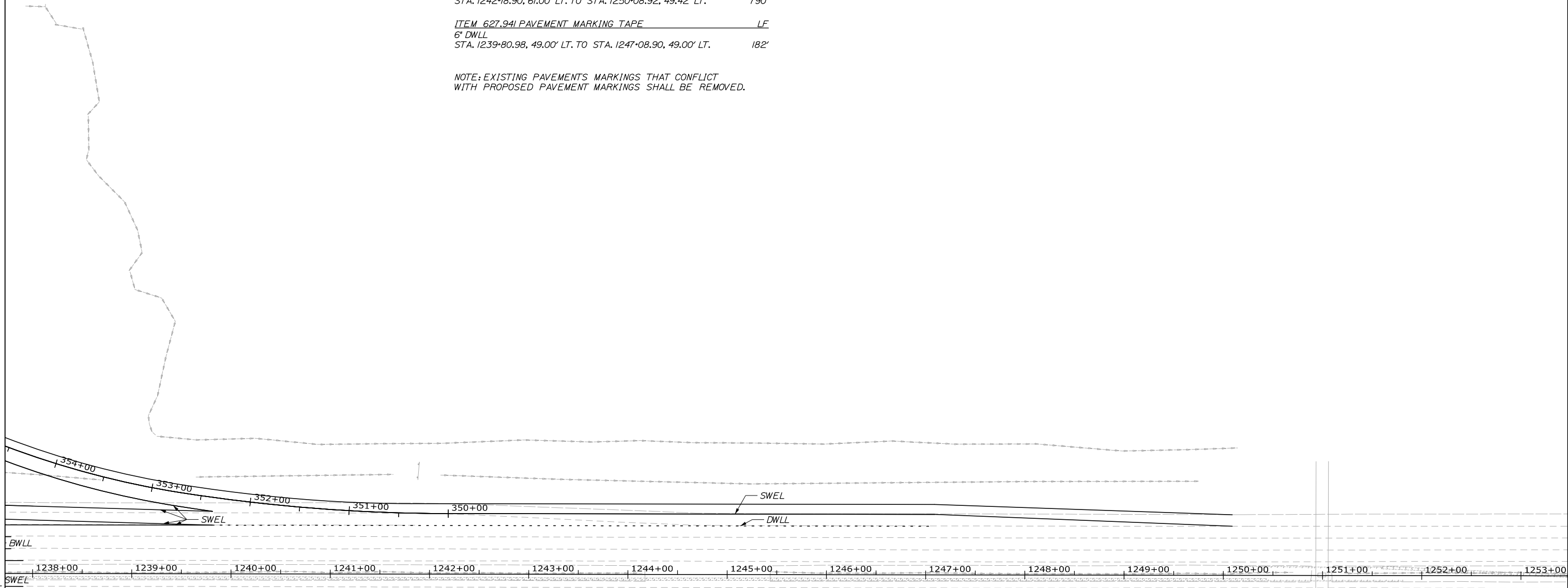
STRIPING LEGEND

- SWLL - SOLID WHITE LANE LINE
- SWEL - SOLID WHITE EDGE LINE
- DWLL - DOTTED WHITE LANE LINE
- BWLL - BROKEN WHITE LANE LINE
- SYEL - SOLID YELLOW EDGE LINE
- DYCL - DOUBLE YELLOW CENTERLINE
- SYCL - SINGLE YELLOW CENTERLINE
- SBYCL - SINGLE BROKEN YELLOW CENTERLINE
- SL - STOP LINE

ITEM 627.712 WHITE OR YELLOW PAVEMENT MARKING LINE LF
 SWEL
 STA. 1242+18.90, 61.00' LT. TO STA. 1250+08.92, 49.42' LT. 790'

ITEM 627.941 PAVEMENT MARKING TAPE LF
 6' DWLL
 STA. 1239+80.98, 49.00' LT. TO STA. 1247+08.90, 49.00' LT. 182'

NOTE: EXISTING PAVEMENTS MARKINGS THAT CONFLICT WITH PROPOSED PAVEMENT MARKINGS SHALL BE REMOVED.



Scale: Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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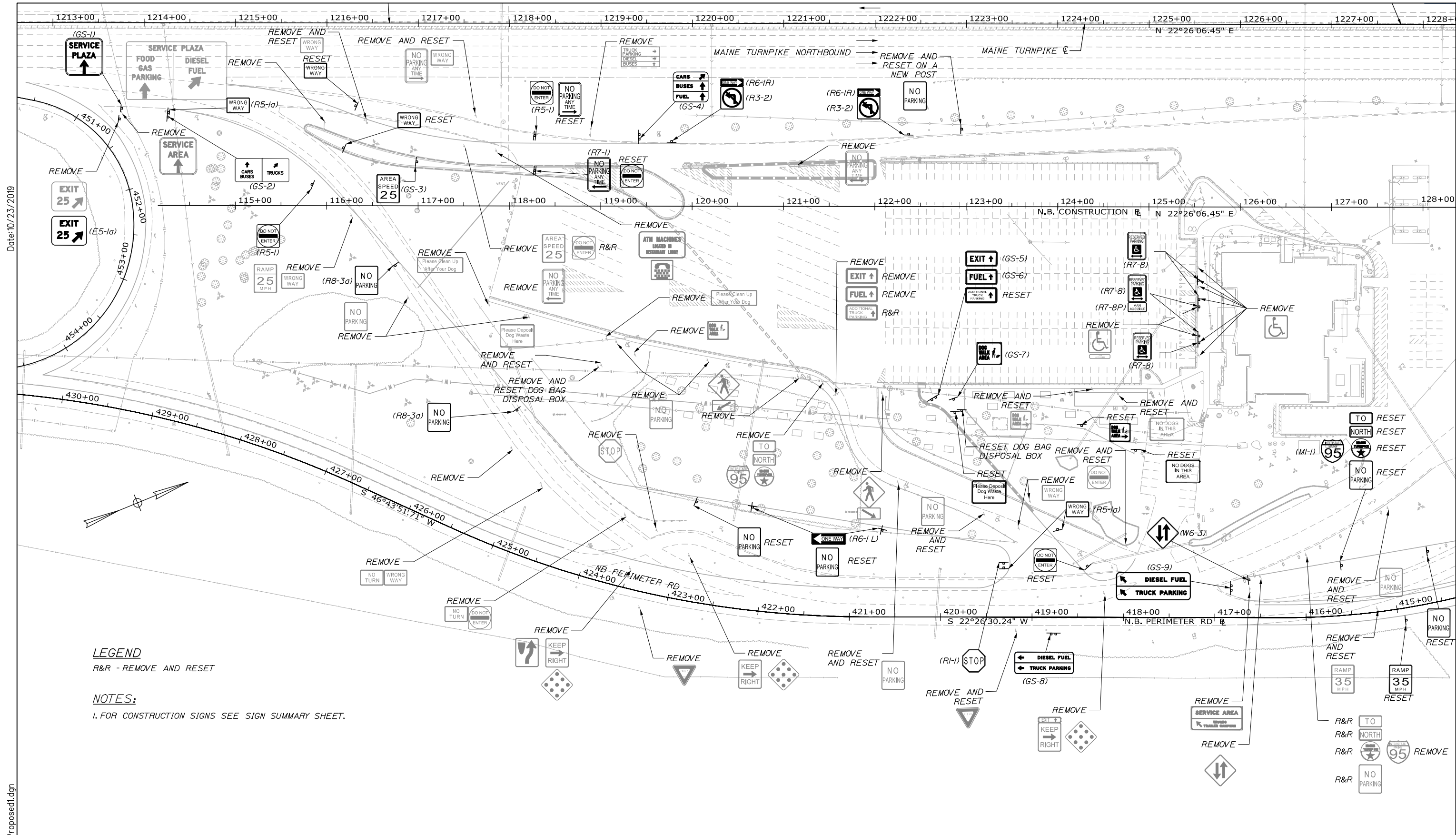
**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 STRIPING PLAN 7
 SOUTHBOUND PLAZA

SHEET NUMBER: STR-07
 CONTRACT: 2019.02
 65 OF 158

Filename: 00X_StripingPlan7.dgn

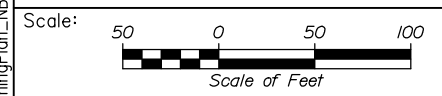


Date: 10/23/2019

Filename: 00X_SigningPlan_NB_Proposed1.dgn

LEGEND
 R&R - REMOVE AND RESET

NOTES:
 1. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	AJS	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

HNTB CORPORATION
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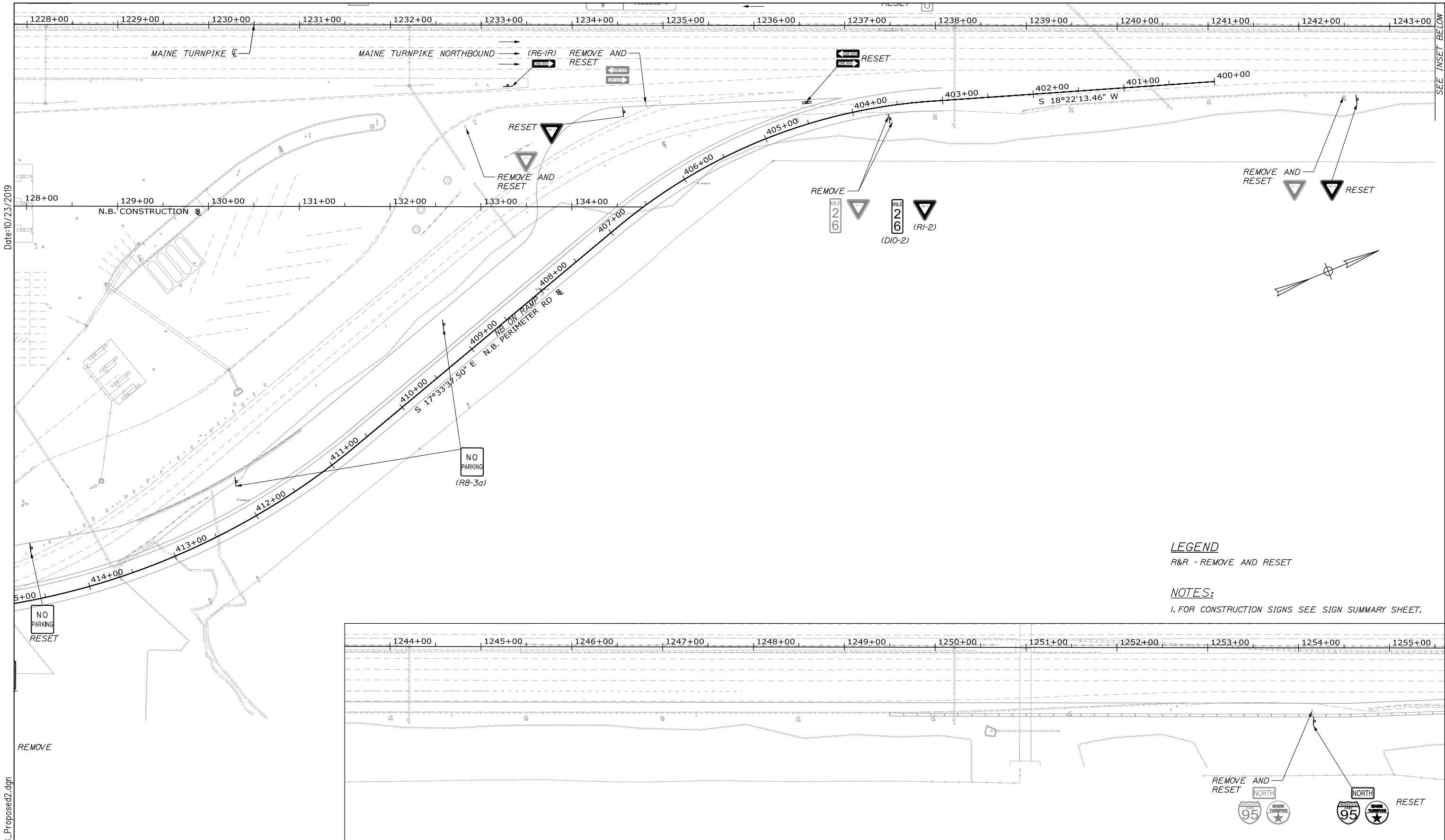
MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

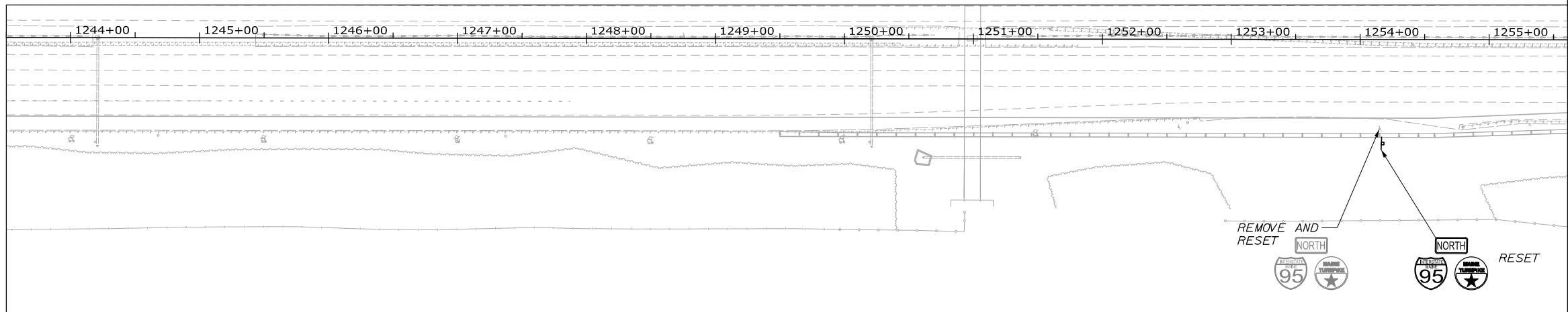
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 PROPOSED SIGNING PLAN 1
 NORTHBOUND PLAZA

SHEET NUMBER: PS-01
 CONTRACT: 2019.02
 66 OF 158



LEGEND
 R&R - REMOVE AND RESET

NOTES:
 1. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.



Scale: 50 0 50 100
 Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	AJS	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 PROPOSED SIGNING PLAN 2
 NORTHBOUND PLAZA

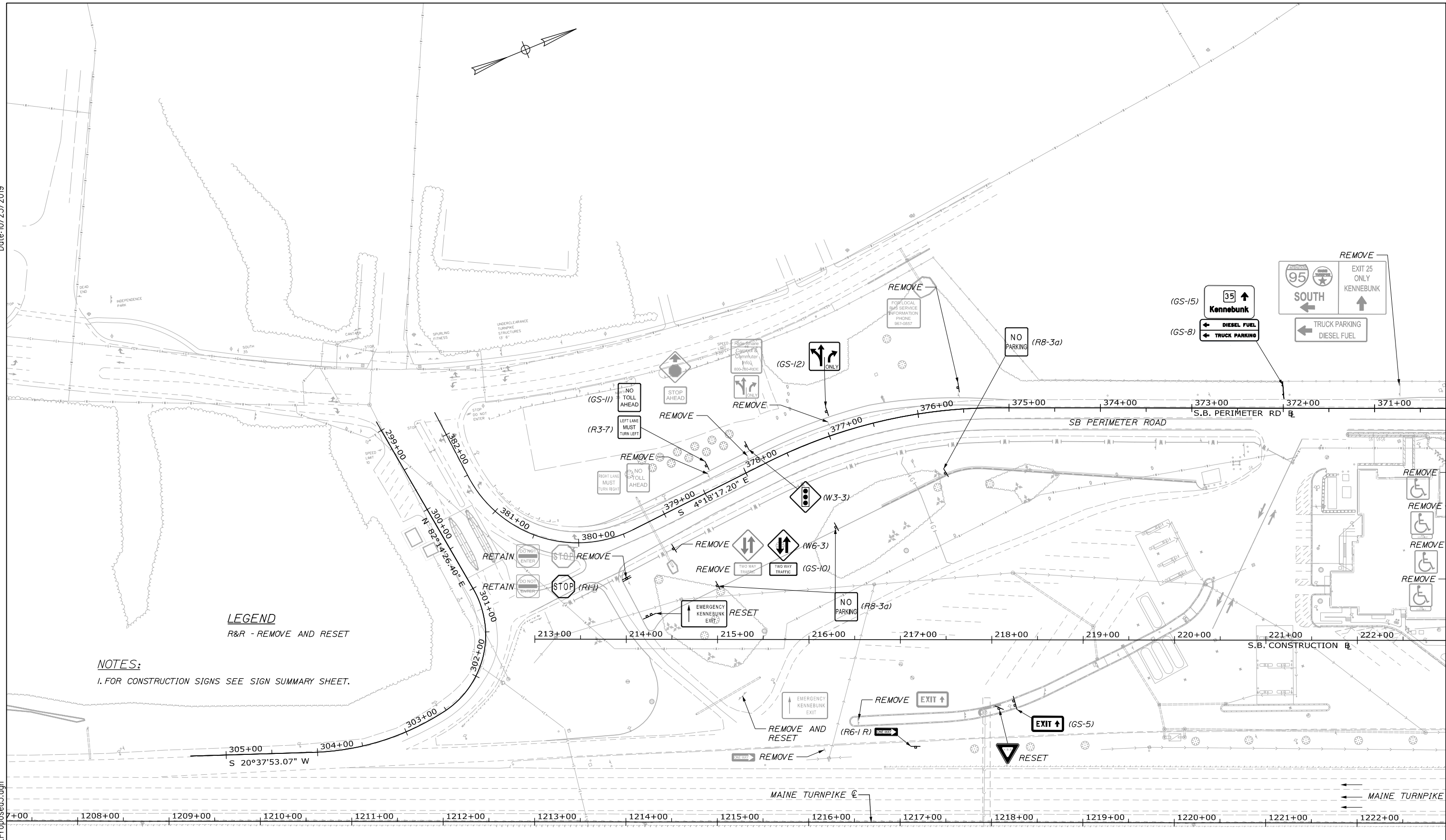
SHEET NUMBER: PS-02
 CONTRACT: 2019.02
 67 OF 158

Date: 10/23/2019
 File name: 00X_SigningPlan_NB_Proposed2.dgn

SEE INSET BELOW

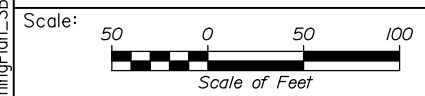
Date: 10/23/2019

Filename: 00X_SigningPlan_SB_Proposed3.dgn



LEGEND
R&R - REMOVE AND RESET

NOTES:
1. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	AJS	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

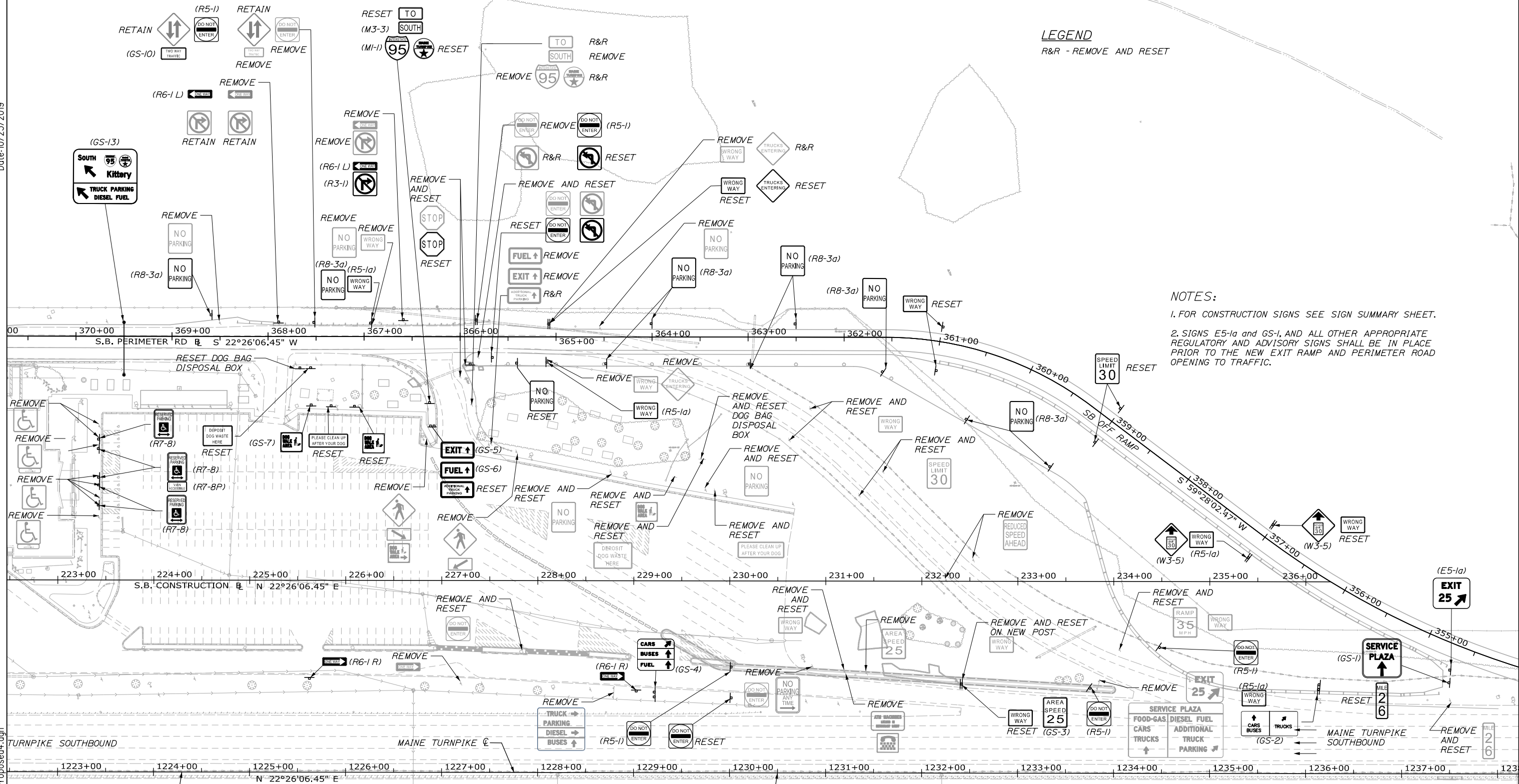
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
PROPOSED SIGNING PLAN 3
SOUTHBOUND PLAZA

SHEET NUMBER: PS-03
CONTRACT: 2019.02
8 OF 158

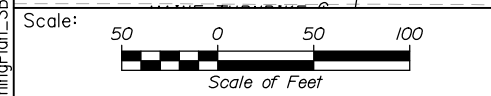
Date: 10/23/2019

Filename: 00X_SigningPlan_SB_Proposed4.dgn



LEGEND
R&R - REMOVE AND RESET

NOTES:
1. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.
2. SIGNS E5-1a and GS-1, AND ALL OTHER APPROPRIATE REGULATORY AND ADVISORY SIGNS SHALL BE IN PLACE PRIOR TO THE NEW EXIT RAMP AND PERIMETER ROAD OPENING TO TRAFFIC.



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

No.	Revision	By	Date

	By	Date		By	Date
Designed	AJS	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

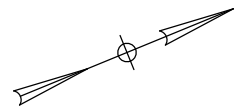
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
PROPOSED SIGNING PLAN 4
SOUTHBOUND PLAZA

SHEET NUMBER: PS-04
CONTRACT: 2019.02
9 OF 158

Date: 10/23/2019

Filename: 00X_SigningPlan_SB_Proposed5.dgn

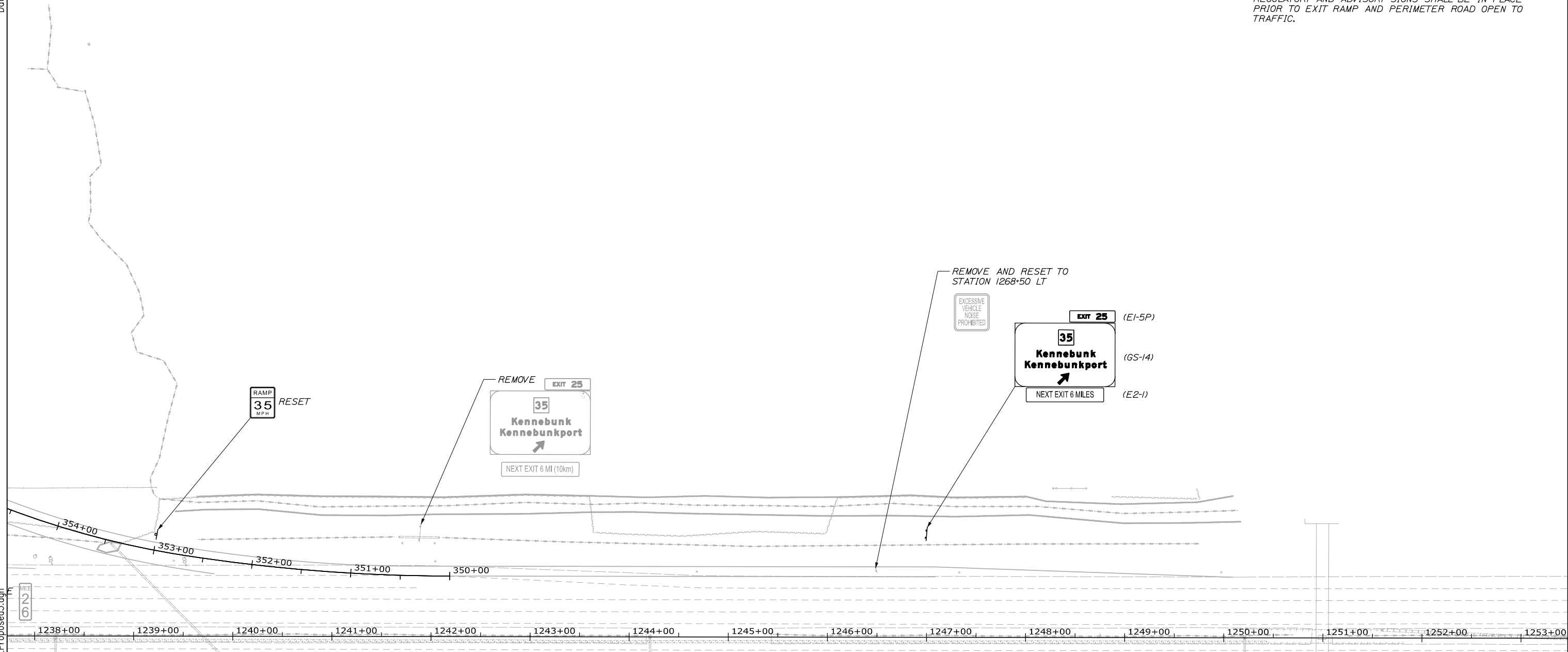


LEGEND

R&R - REMOVE AND RESET

NOTES:

1. FOR CONSTRUCTION SIGNS SEE SIGN SUMMARY SHEET.
2. SIGNS E1-5P, GS-14, E2-1, AND ALL OTHER APPROPRIATE REGULATORY AND ADVISORY SIGNS SHALL BE IN PLACE PRIOR TO EXIT RAMP AND PERIMETER ROAD OPEN TO TRAFFIC.



Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	AJS	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

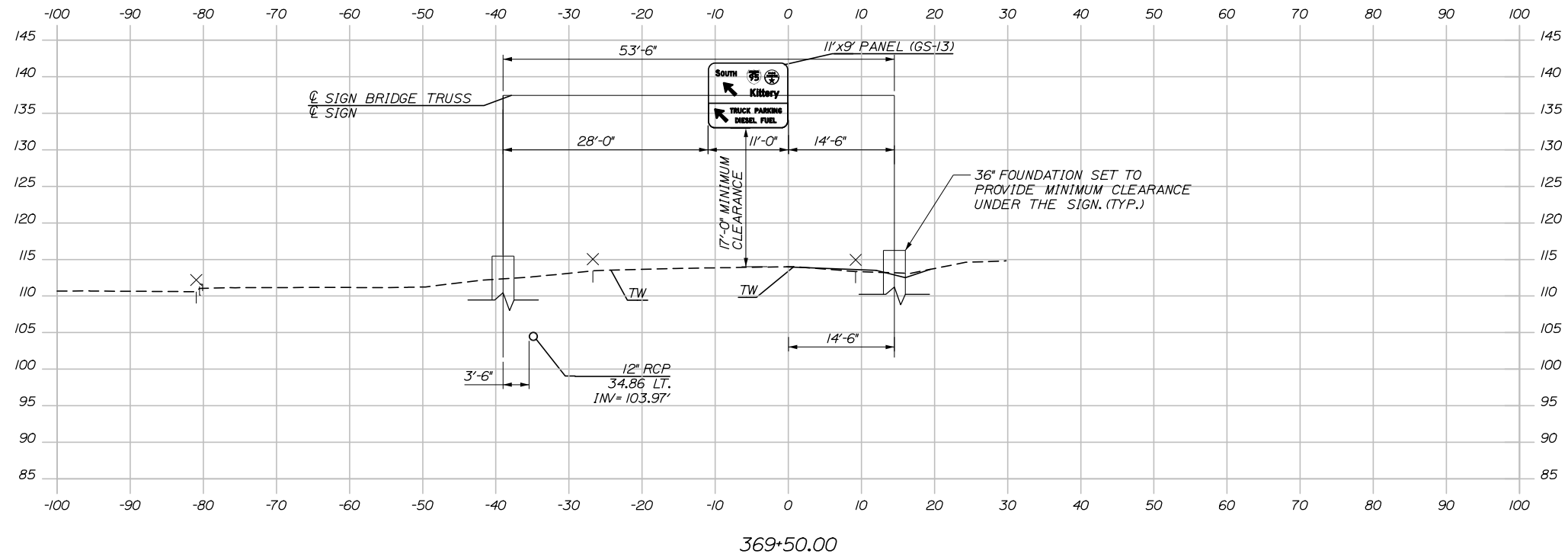
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

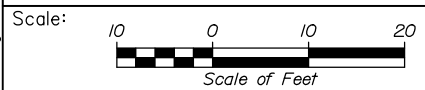
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
PROPOSED SIGNING PLAN 5
SOUTHBOUND PLAZA

SHEET NUMBER: PS-05
CONTRACT: 2019.02
70 OF 158

Date: 10/23/2019



Filename: 00X_Sign Bridge XS.dgn



Designed by:



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THE GOLD STAR
 MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

SIGN BRIDGE CROSS SECTION

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	PEM	10\19	In Charge of	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

SHEET NUMBER: SB-1

71 OF 158

Date:10/23/2019

MATERIALS:

STRUCTURAL STEEL BOLTS:

FIELD SPLICE BOLTS SHALL CONFORM TO ASTM F3125, GRADE A325, TYPE 1 (36 - 3/4" ϕ BOLTS REQUIRED)
 U-BOLTS SHALL CONFORM TO ASTM A449 (12 - 1/2" ϕ , 16 - 1/2" ϕ U-BOLTS REQUIRED)
 ANCHOR BOLTS SHALL CONFORM TO ASTM F1554 GRADE 105 (16 - 1 1/4" ϕ BOLTS REQUIRED)

STRUCTURAL STEEL:

W-BEAMS - ASTM A992

CONCRETE FOUNDATIONS:

DRILLED SHAFT CONCRETE - CLASS LP

BASIC DESIGN STRESSES:

STRUCTURAL STEEL BOLTS:

ASTM F3125, GRADE A325 TYPE 1 - $F_u = 120,000$ PSI
 ASTM A449 - $F_u = 120,000$ PSI
 ASTM F1554, GRADE 105 - $F_y = 105,000$ PSI

STRUCTURAL STEEL:

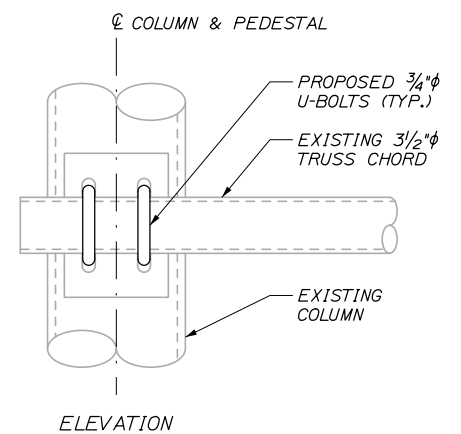
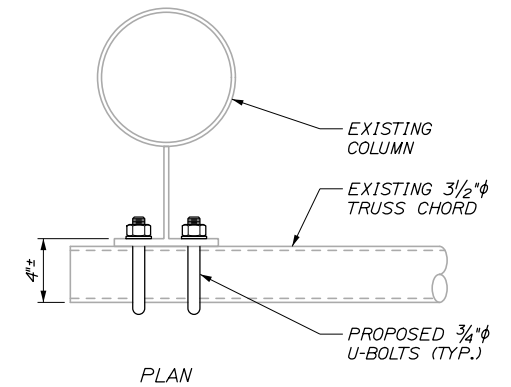
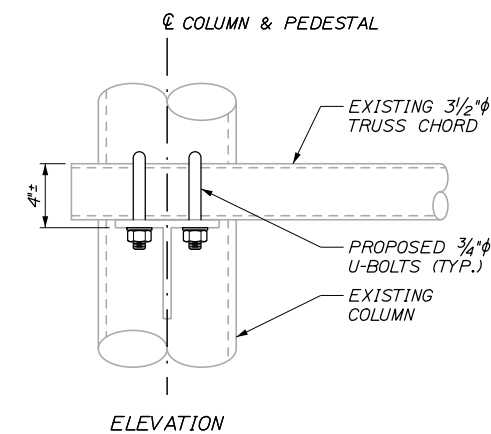
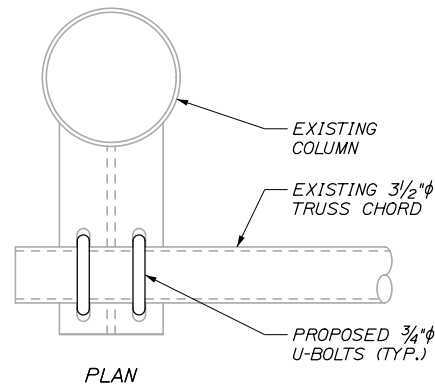
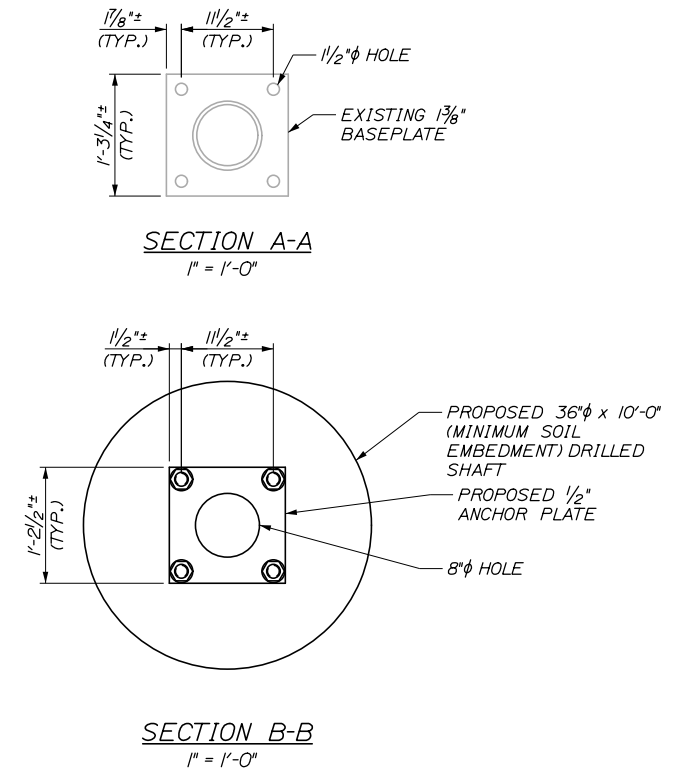
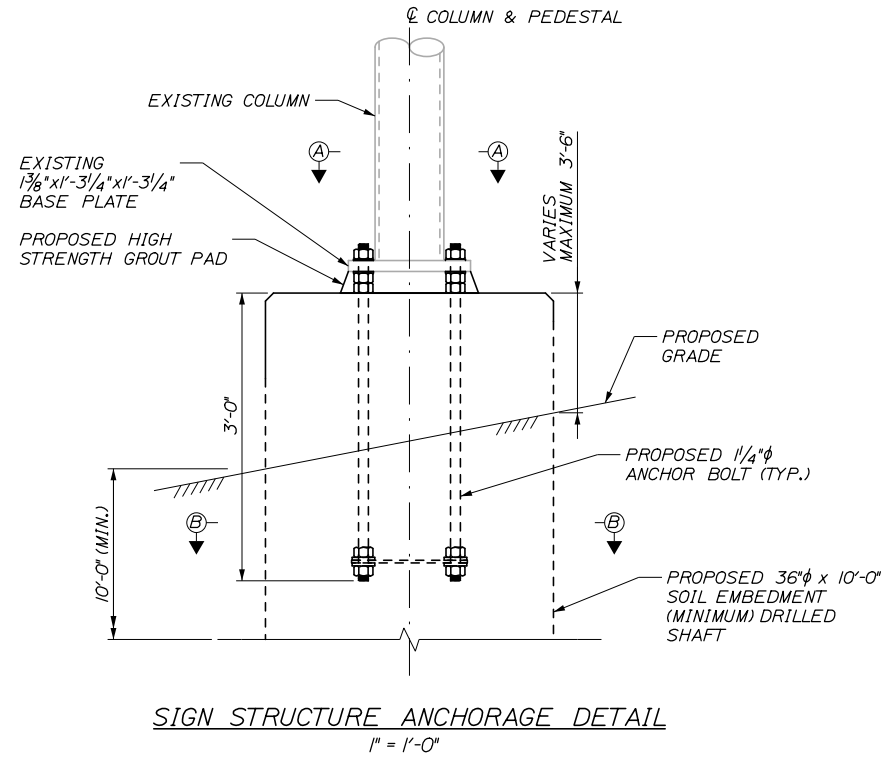
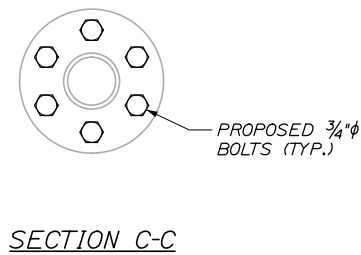
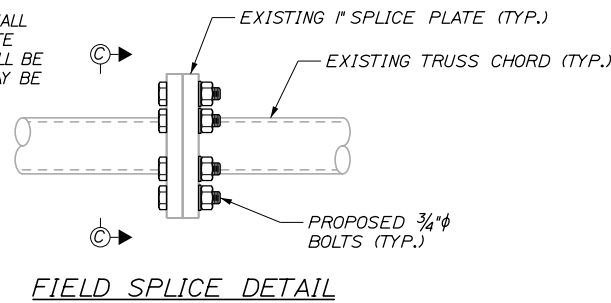
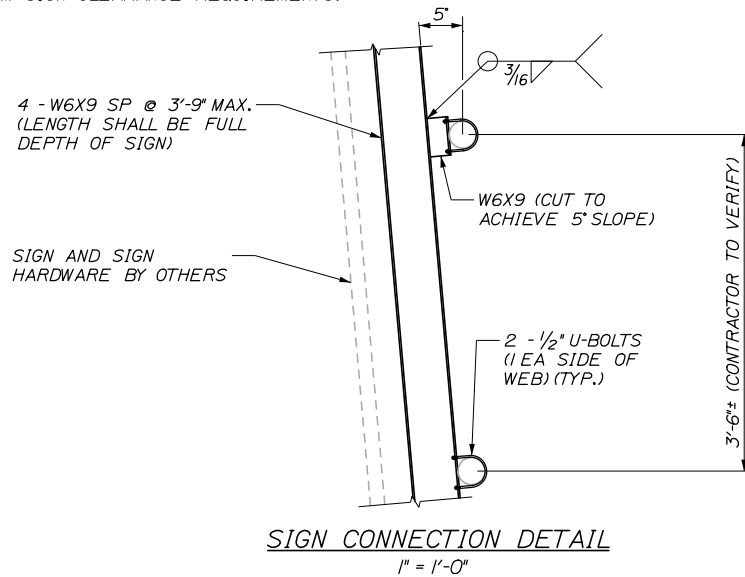
ASTM A992 - $F_y = 50,000$ PSI

CONCRETE FOUNDATIONS:

CLASS LP - $f'_c = 5,000$ PSI

SIGN STRUCTURE NOTES:

- CONTRACTOR SHALL BE RESPONSIBLE FOR THE LOADING, TRANSPORTATION, DELIVERY, HARDWARE, AND STRUCTURAL STEEL ERECTION OF A SIGN STRUCTURE PROVIDED BY THE MAINE TURNPIKE AUTHORITY. ERECTION OF THE STRUCTURE SHALL BE IN CONFORMANCE WITH SECTION 504 OF THE MAINE DOT STANDARD SPECIFICATIONS.
- THE SIGN STRUCTURE TO BE ERECTED BY THE CONTRACTOR WILL BE AVAILABLE FOR PICK UP AT THE TURNPIKE STAGING AREA AT THE FORMER TURNPIKE MOTEL SITE ADJACENT TO THE EXIT 25 (KENNEBUNK) NORTH BOUND RAMP, KENNEBUNK ME 04043. THE CONTRACTOR SHALL MAKE ARRANGEMENTS IN ACCORDANCE WITH SPECIAL PROVISION 645.
- FOUNDATION SHALL BE IN ACCORDANCE WITH SECTION 626 OF THE MAINE DOT STANDARD SPECIFICATIONS AND STANDARD DETAILS. DESIGN OF FOUNDATIONS ASSUMES ALL EXCAVATED MATERIAL TO BE GRANULAR. CONTRACTOR OR RESIDENT SHALL NOTIFY DESIGN ENGINEER IF CLAYS OR OTHER COHESIVE MATERIAL IS ENCOUNTERED DURING DRILLING OPERATION.
- W-BEAMS SHALL BE HOT DIP GALVANIZED IN CONFORMANCE WITH AASHTO M111. ALL HARDWARE SHALL BE HOT DIP GALVANIZED IN CONFORMANCE WITH AASHTO M232 PER MAINE DOT STANDARD SPECIFICATION 719.02.
- ALL ANCHOR BOLTS SHALL BE SWEDGED OR THREADED ON THE EMBEDDED PORTION OF THE BOLT.
- CONTRACTOR SHALL INSTALL A SIGN PROVIDED BY THE MAINE TURNPIKE AUTHORITY. Z-BAR ANGLES SHALL BE FURNISHED AND INSTALLED TO MOUNT THE SIGN TO THE W-BEAM SIGN SUPPORTS. CONTRACTOR SHALL COORDINATE THE LOCATIONS OF Z-BARS WITH THE MAINE TURNPIKE AUTHORITY. PAYMENT FOR W-BEAMS, Z-BARS, HARDWARE SHALL BE INCIDENTAL TO ITEM 645.1211. HOLES FOR THROUGH BOLTS MAY BE PRE-DRILLED BY THE W-BEAM FABRICATOR OR MAY BE FIELD DRILLED ON SITE. FIELD DRILLED HOLES SHALL BE SPRAY GALVANIZED AFTER DRILLING.
- THE MINIMUM VERTICAL CLEARANCE OF THE SIGN SHALL BE 17'-0". THE SIGN SHALL BE VERTICALLY CENTERED ON THE SIGN BRIDGE TRUSS.
- THE CONTRACTOR SHALL FIELD DETERMINE THE CONCRETE SHAFT REVEAL REQUIRED TO MEET THE MINIMUM SIGN CLEARANCE REQUIREMENTS.




Filename: 092_Cantry_Details.dgn

Scale:			
AS NOTED			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
	By	Date	
	GLS	10\19	
	Checked	HJW	10\19
	By	Date	
	Drawn	PEB	10\19
	In Charge of	RAL	10\19

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

SIGN BRIDGE DETAILS

SHEET NUMBER: S-01
 CONTRACT: 2019.02
 72 OF 158

NORTHBOUND PLAZA REMOVE AND STACK SIGN SUMMARY

DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND			
	1	60	78	32.5 (32.5)	GREEN	WHITE	NB PLAZA	113*73	94' LT
	1	60	72	30 (30)	BLUE	WHITE	NB PLAZA	113*75	102' LT
	1	-	-	-	BLUE	WHITE	NB PLAZA	115*97	87' LT
	1	60	48	20 (20)	YELLOW	BLACK	NB PLAZA	116*27	11' RT
	4	24	36	6 (24)	RED	WHITE	NB PLAZA	116*27 424*72 419*15 419*02	11' RT 80' RT 97' RT 127' RT
	5	24	18	3 (15)	WHITE	RED	NB PLAZA	116*89 118*02 118*21 119*17 120*17	101' RT 265' RT 121' RT 149' RT 169' RT
	1	60	48	20 (20)	YELLOW	BLACK	NB PLAZA	117*51	65' LT
	1	18	12	1.5 (1.5)	WHITE	RED	NB PLAZA	117*51	65' LT
	2	12	18	1.5 (3)	BLUE	WHITE	NB PLAZA	117*77 119*06	108' RT 145' RT
	1	24	36	6 (6)	BLUE	WHITE	NB PLAZA	117*85	60' LT
	2	24	24	4 (8)	WHITE	BLACK	NB PLAZA	424*73 423*69	80' RT 77' RT
	1	30	30	6.25 (6.25)	WHITE	RED	NB PLAZA	423*69	77' RT
	1	36	30	7.5 (7.5)	WHITE	BLACK	NB PLAZA	423*48	22' RT
	1	36	30	7.5 (7.5)	WHITE	BLACK	NB PLAZA	423*48	22' RT
	1	18	18	2.25 (2.25)	BLACK	YELLOW	NB PLAZA	423*48	22' RT
	1	16	28	3.1 (3.1)	BLUE	WHITE	NB PLAZA	119*37	163' RT
	2	48	48	8 (16)	WHITE	RED	NB PLAZA NB PLAZA	423*28 403*59	18' LT 16' LT

NORTHBOUND PLAZA REMOVE AND STACK SIGN SUMMARY

DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND			
	1	36	30	7.5 (7.5)	WHITE	BLACK	NB PLAZA	422*87	49' RT
	1	36	36	9 (9)	RED	WHITE	NB PLAZA	423*28	70' RT
	1	18	12	1.5 (1.5)	WHITE	RED	NB PLAZA	121*16	46' LT
	2	36	36	9 (18)	YELLOW	BLACK	NB PLAZA	121*16 122*07	186' RT 204' RT
	1	24	12	2 (2)	WHITE	BLACK	NB PLAZA	121*43	194' RT
	1	24	12	2 (2)	BLUE	WHITE	NB PLAZA	121*43	194' RT
	1	24	24	4 (4)	BLUE	WHITE	NB PLAZA	121*43	194' RT
	1	24	48	8 (8)	GREEN	WHITE	NB PLAZA	121*58	205' RT
	1	24	48	8 (8)	BLUE	WHITE	NB PLAZA	121*58	205' RT
	1	12	30	2.5 (2.5)	WHITE	BLACK	NB PLAZA	418*21	26' RT
	1	36	30	7.5 (7.5)	WHITE	BLACK	NB PLAZA	418*21	26' RT
	1	18	18	2.25 (2.25)	YELLOW	YELLOW	NB PLAZA	418*21	26' RT
	6	24	24	4 (24)	BLUE	WHITE	NB PLAZA	125*55	67' RT 80' RT 88' RT 101' RT 149' RT 162' RT
	2	6	12	0.5 (1)	BLUE	WHITE	NB PLAZA	125*55	109' RT 141' RT
	1	36	90	22.5 (22.5)	BLUE	WHITE	NB PLAZA	416*62	29' RT
	1	36	36	9 (9)	YELLOW	BLACK	NB PLAZA	416*51	45' RT
	1	24	24	4 (4)	BLUE	WHITE	NB PLAZA	415*98	68' RT

Date:10/23/2019

Filename: 00X_REM_Sign_Summary_NB 1.dgn

Scale:

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

By	Date	By	Date
Designed	AJS 10\19	Checked	DSS 10\19
Drawn	LCG 10\19	In Charge of	RAL 10\19

HNTB CORPORATION
340 County Road, Suite 6-C
Westbrook, ME 04092
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
SIGN SUMMARY - REMOVE AND STACK

SHEET NUMBER: TSS-1
CONTRACT:2019.02
73 OF 158

NORTHBOUND PLAZA REMOVE AND STACK SIGN SUMMARY

DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND			
	1	27	10	1.88 (1.88)	GREEN	WHITE	NB PLAZA	403+65	9' LT
	1	96	120	80 (80)	BLUE	WHITE	NB PLAZA	118+89	8' LT

INTERSECTION IMPROVEMENTS REMOVE AND STACK SIGN SUMMARY

DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND			
	2	36	36	9 (18)	RED	WHITE	NORTHBOUND & SOUTHBOUND APPROACH	SEE SGNL-01	
	1	36	48	12 (12)	BLUE	WHITE	NORTHBOUND APPROACH	SEE SGNL-01	


Date:10/23/2019

Filename: 00X_REM_Sign_Summary_NB_2.dgn

Scale:			
No.	Revision	By	Date

Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	AJS	10\19	Checked	DSS	10\19
Drawn	LCG	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SIGN SUMMARY - REMOVE AND STACK

SHEET NUMBER: TSS-2
 CONTRACT:2019.02
 74 OF 158

SOUTHBOUND PLAZA REMOVE AND STACK SIGN SUMMARY

DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND			
	1	30	30	6.25 (6.25)	RED	WHITE	SB PLAZA	214+03	61' LT
	2	36	36	9 (18)	YELLOW	BLACK	SB PLAZA	379+08	38' LT
	2	24	18	3 (2)				367+51	15' RT
	1	36	30	7.5 (7.5)	YELLOW	BLACK	SB PLAZA	378+38	15' RT
	1	30	30	6.25 (6.25)	YELLOW	BLACK	SB PLAZA	377+91	14' RT
	1	18	24	3 (3)	YELLOW	BLACK	SB PLAZA	377+91	14' RT
	2	12	36	3 (6)	WHITE	BLACK	SB PLAZA	216+17 227+20	121' RT 107' RT
	1	48	36	12 (12)	BLUE	WHITE	SB PLAZA	376+97	12' RT
	1	30	30	6.25 (6.25)	WHITE	BLACK	SB PLAZA	376+97	12' RT
	2	18	60	7.5 (7.5)	GREEN	WHITE	SB PLAZA	216+53	90' RT
		24	48	8 (8)			SB PLAZA	227+51	143' LT
	1	36	48	12 (12)	BLUE	WHITE	SB PLAZA	375+54	15' RT
	3	24	18	3 (9)	WHITE	RED	SB PLAZA SB PLAZA	368+50 366+92 364+54	14' RT 14' RT 8' RT
	1	12	36	3 (3)	WHITE	BLACK	SB PLAZA	367+89	14' RT
	1	12	36	3 (3)	WHITE	BLACK	SB PLAZA	366+57	17' RT
	1	36	36	9 (9)					
	1	36	36	9 (9)	YELLOW	BLACK			
	1	12	18	1.5 (1.5)	YELLOW	BLACK	SB PLAZA	226+83	150' LT
	1	18	24	3 (3)	BLUE	WHITE			

SOUTHBOUND PLAZA REMOVE AND STACK SIGN SUMMARY

DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND			
	3	30	30	6.25 (18.75)	WHITE	RED	SB PLAZA SB PLAZA	367+51 365+84 230+86	15' RT 17' RT 89' RT
	1	12	24	2 (2)	BLUE	WHITE	SB PLAZA	365+88	71' LT
	1	24	24	4 (4)					
	1	24	48	8 (8)	BLUE	WHITE	SB PLAZA	227+51	143' LT
	1	36	36	9 (9)	YELLOW	BLACK	SB PLAZA	227+77	134' LT
	1	12	24	2 (2)					
	3	24	36	6 (18)	RED	WHITE	SB PLAZA SB PLAZA	365+09 365+10 366+92	13' RT 23' LT 14' RT
	1	18	12	1.5 (1.5)	WHITE	RED	SB PLAZA	230+86	89' RT
	1	24	36	6 (6)	BLUE	WHITE	SB PLAZA	231+17	95' RT
	1	24	24	4 (4)					
	1	60	48	20 (20)	YELLOW	BLACK	SB PLAZA	231+42	96' RT
	2	48	36	12 (24)	WHITE	BLACK	SB PLAZA	232+25 232+53	4' LT 22' LT
	1	-	-	-					
	1	-	-	-	BLUE	WHITE	SB PLAZA	233+84	108' RT
	1	-	-	-					
	1	36	36	9 (9)	YELLOW	BLACK	SB PLAZA	365+09	13' RT

Date:10/23/2019

Filename: 00X_REM_Sign Summary_SB 1.dgn

Scale:

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	AJS	10\19	Checked	DSS	10\19
Drawn	LCG	10\19	In Charge of	RAL	10\19

HNTB CORPORATION
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MAINE TURNPIKE

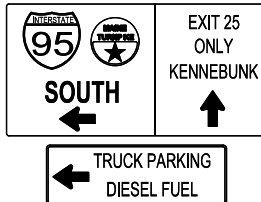




THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.


KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
SIGN SUMMARY - REMOVE AND STACK

SHEET NUMBER: TSS-3
CONTRACT:2019.02
75 OF 158

SOUTHBOUND PLAZA REMOVE AND STACK SIGN SUMMARY

DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND			
	/	-	-	-	GREEN	WHITE	SB PLAZA	370-72	21' RT
	6	24	24	4 (24)	BLUE	WHITE	SB PLAZA	223*43	159' LT 148' LT 107' LT 99' LT 86' LT 78' LT
	2 2	24 6	24 12	4 (8) 0.5 (1)	BLUE	WHITE	SB PLAZA	223*43	137' LT 65' LT
	/	-	-	-	GREEN	WHITE	SB	124*89	104' LT
	/	?	?	?	BLUE	WHITE	SB PLAZA	228*79	117' RT

INTERSECTION IMPROVEMENTS REMOVE AND STACK SIGN SUMMARY

DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND			
	3	36	36	9	RED	WHITE	EASTBOUND & WESTBOUND APPROACH	SEE SGNL-02	


Date:10/23/2019

Filename: 00X_REM_Sign_Summary_SB_2.dgn

Scale:			
No.	Revision	By	Date

Designed by:						
HNTB						
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.						
	By	Date		By	Date	
	Designed	AJS	10\19	Checked	DSS	10\19
	Drawn	LCG	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E.,P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SIGN SUMMARY - REMOVE AND STACK

SHEET NUMBER: TSS-4
 CONTRACT:2019.02
 76 OF 158

NORTHBOUND PLAZA REMOVE AND RESET SIGN SUMMARY









DESCRIPTION	QUANTITY	EXISTING									PROPOSED							COMMENTS		
		SIGN SIZE			COLOR		DIRECTION (EB-EASTBOUND) (WB-WESTBOUND)	LOCATION	OFFSET	NUMBER OF POSTS	POST SIZE	HEIGHT OF POST		FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE	DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION		OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND						LEFT (FEET)	RIGHT (FEET)							
	2	24	36	6 (12)	RED	WHITE	NB PLAZA NB PLAZA	116+42 117+63	94' LT 99' LT	1 (2)	WOOD POST 6"X6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS	-	YES	NB PLAZA NB PLAZA	116+18 116+33	63' LT 109' LT	645.109		
	1	36	36	9 (9)	WHITE	RED	NB PLAZA	117+50	65' LT	1	WOOD POST 6"X6"		-	YES	NB PLAZA	118+28	39' LT	645.109		
	1	18	12	1.5 (1.5)	WHITE	RED	NB PLAZA	117+63	99' LT	1	WOOD POST 6"X6"		-	YES	NB PLAZA	118+28	77' LT	645.109	FACING SOUTH WITH DO NOT ENTER SIGN	
DOG BAG DISPOSAL BOX	1	-	-	-	-	-	NB PLAZA	118+97	176' RT	1	WOOD POST 6"X6"		-	YES	NB PLAZA	122+95	223' RT	645.109		
	1	12	18	1.5 (1.5)	BLUE	WHITE	NB PLAZA	119+01	174' RT	1	WOOD POST 6"X6"		-	YES	NB PLAZA	122+88	225' RT	645.109		
	1	24	48	8 (8)	BLUE	WHITE	NB PLAZA	121+58	205' RT	2	WOOD POST 6"X6"		-	YES	NB PLAZA	122+64	209' RT	645.109	ASSEMBLE WITH PROPOSED SIGNS GS-5 AND GS-6	
	4	24	18	3 (12)	WHITE	RED	NB PLAZA	122+25 122+95 419+53 414+93	302' RT 85' LT 112' RT 111' RT	1	U CHANNEL POST		-	YES	NB PLAZA	120+05 122+95 120+67 414+54	324' RT 85' LT 229' RT 56' RT	645.109	AT 120+67 ASSEMBLE WITH PROPOSED SIGNS R6-1L	
	3	48	48	16 (48)	WHITE	RED	NB PLAZA	419+18 132+82 1242+29	15' LT 88' LT 78' RT	1 (3)	WOOD POST 6"X6"		-	YES	SB PLAZA	218+08 134+57 1242+64	75' RT 105' LT 80' RT	645.109		
	1	18	24	3.0 (3.0)	BLUE	WHITE	NB PLAZA	124+38	200' RT	1	U CHANNEL POST		-	YES	NB PLAZA	124+27	239' RT	645.109		
	1	18	18	2.25 (2.25)	BLUE	WHITE	NB PLAZA	124+66	205' RT	1	U CHANNEL POST		-	YES	NB PLAZA	124+86	266' RT	645.109		
	1	30	30	6.25 (6.25)	WHITE	RED	NB PLAZA	417+97	78' RT	1	WOOD POST 6"X6"	-	YES	NB PLAZA	418+39	55' RT	645.109			

Date:10/23/2019


Filename: 00X_RR_Sign_Summary_NB_1.dgn

Scale:		Designed by:				 HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909				 THE GOLD STAR MEMORIAL HIGHWAY				KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB SIGN SUMMARY - REMOVE AND RESET											
No. Revision		By		Date										CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.				SHEET NUMBER: TSS-5							
														By		Date		By		Date		CONTRACT: 2019.02			
														Designed		AJS 10\19		Checked		DSS 10\19		77 OF 158			
						Drawn		LCG 10\19		In Charge of		RAL 10\19		MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.											

NORTHBOUND PLAZA REMOVE AND RESET SIGN SUMMARY



DESCRIPTION	QUANTITY	EXISTING							PROPOSED							COMMENTS				
		SIGN SIZE			COLOR		DIRECTION (EB-EASTBOUND) (WB-WESTBOUND)	LOCATION	OFFSET	NUMBER OF POSTS	POST SIZE	HEIGHT OF POST		FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND						LEFT (FEET)	RIGHT (FEET)							
  	1	24	12	2 (2)	WHITE	BLACK	NB PLAZA	415-98	68' RT	1	WOOD POST 6"x6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS		-	YES	NB PLAZA	415-58	55' RT	645.109	ASSEMBLE WITH PROPOSED M-I SIGN
	1	24	12	2 (2)	BLUE	WHITE														
	1	24	24	3.1 (3.1)	GREEN	WHITE														
	1	24	18	3 (3)	WHITE	RED														
	1	60	48	20 (20)	YELLOW	BLACK	NB PLAZA	415-22	4' RT	1	WOOD POST 6"x6"	-	YES	NB PLAZA	414-92	14' LT	645.109			
	1	12	36	3 (3)	WHITE	BLACK	NB PLAZA	405-95	9' RT	1	WOOD POST 6"x6"	-	YES	NB PLAZA	404-45	23' RT	645.109			
  	1	24	12	2 (2)	BLUE	WHITE	NB PLAZA	1254-15	69' RT	1	WOOD POST 6"x6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS		-	YES	NB PLAZA	1254-18	81' RT	645.109	
	1	24	24	4 (4)	BLUE	WHITE														
	1	24	24	3.1 (3.1)	GREEN	WHITE														

INTERSECTION IMPROVEMENTS REMOVE AND RESET SIGN SUMMARY

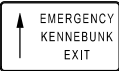











	1	48	48	16 (16)	WHITE	RED	NORTHBOUND APPROACH	SEE SGNL-01		1	WOOD POST 6"x6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS	-	YES	WESTBOUND APPROACH	SEE SGNL-01	645.109	
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Date:10/23/2019

Filename: 00X_RR_Sign_Summary_NB_2.dgn



Scale:		Designed by:				HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909				THE GOLD STAR MEMORIAL HIGHWAY		KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB SIGN SUMMARY - REMOVE AND RESET			
No.	Revision	By	Date												
				By	Date	By	Date	MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.				CONTRACT: 2019.02	78 OF 158		
				Designed	AJS 10\19	Checked	DSS 10\19								
				Drawn	LCG 10\19	In Charge of	RAL 10\19								

SOUTHBOUND PLAZA REMOVE AND RESET SIGN SUMMARY









DESCRIPTION	QUANTITY	EXISTING								PROPOSED							COMMENTS			
		SIGN SIZE			COLOR		DIRECTION (EB-EASTBOUND) (WB-WESTBOUND)	LOCATION	OFFSET	NUMBER OF POSTS	POST SIZE	HEIGHT OF POST		FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE	DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)		LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND						LEFT (FEET)	RIGHT (FEET)							
	1	48	90	30 (30)	YELLOW	BLACK	SB PLAZA	215+27	62' RT	2	WOOD POST 6"X6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS	-	YES	SB PLAZA	214+25	25' LT	645.109		
	1	36	36	9 (9)	RED	WHITE	SB PLAZA	366+00	4' LT	1	WOOD POST 6"X6"		-	YES	SB PLAZA	365+89	29' LT	645.109		
	1	24	12	2 (2)	WHITE	BLACK	SB PLAZA	365+84	7' LT	1	WOOD POST 6"X6"		-	YES	SB PLAZA	366+32	69' LT	645.109		
	1	24	24	3.1 (3.1)	GREEN	WHITE														
	1	24	24	4 (4)	WHITE	BLACK	SB PLAZA	365+84	2' RT	1	WOOD POST 6"X6"		-	YES	SB PLAZA	365+84	17' RT	645.109		
	1	36	36	9 (9)	WHITE	RED	SB PLAZA	365+81	17' LT	1	WOOD POST 6"X6"		-	YES	SB PLAZA	365+66	22' LT	645.109		
	1	24	24	4 (4)	WHITE	BLACK														
	1	24	48	8 (8)	BLUE	WHITE	SB PLAZA	227+51	143' LT	2	WOOD POST 6"X6"		-	YES	SB PLAZA	226+90	160' LT	645.109		
	1	36	36	9 (9)	WHITE	RED	SB PLAZA	227+83	72' RT	1	EXISTING LIGHT STANDARD		-	YES	SB PLAZA	230+02	122' RT	645.109		
	1	36	36	9 (9)	YELLOW	BLACK	SB PLAZA	365+08	13' RT	1	WOOD POST 6"X6"		-	YES	SB PLAZA	365+08	13' RT	645.109		
	1	24	18	3 (3)	WHITE	RED	SB PLAZA	228+75	113' LT	1	U CHANNEL POST		-	YES	SB PLAZA	365+41	27' LT	645.109		
	1	16	28	3.1 (3.1)	BLUE	WHITE	SB PLAZA	229+42	109' LT	1	U CHANNEL POST		-	YES	SB PLAZA	226+09	180' LT	645.109		

Date:10/23/2019

Filename: 00X_RR_Sign_Summary_SB_1.dgn



Scale:		Designed by:				HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909				THE GOLD STAR MEMORIAL HIGHWAY		KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB SIGN SUMMARY - REMOVE AND RESET									
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No.	Revision	By	Date																		
<table border="1"> <tr> <th>By</th> <th>Date</th> <th>By</th> <th>Date</th> </tr> <tr> <td>Designed</td> <td>AJS 10\19</td> <td>Checked</td> <td>DSS 10\19</td> </tr> <tr> <td>Drawn</td> <td>LCG 10\19</td> <td>In Charge of</td> <td>RAL 10\19</td> </tr> </table>		By	Date	By	Date	Designed	AJS 10\19	Checked	DSS 10\19	Drawn	LCG 10\19	In Charge of	RAL 10\19							SHEET NUMBER: TSS-7 79 OF 158	
By	Date	By	Date																		
Designed	AJS 10\19	Checked	DSS 10\19																		
Drawn	LCG 10\19	In Charge of	RAL 10\19																		

SOUTHBOUND PLAZA REMOVE AND RESET SIGN SUMMARY

DESCRIPTION	QUANTITY	EXISTING							PROPOSED							COMMENTS				
		SIGN SIZE			COLOR		DIRECTION (EB-EASTBOUND) (WB-WESTBOUND)	LOCATION	OFFSET	NUMBER OF POSTS	POST SIZE	HEIGHT OF POST (FEET)		FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE		DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER
		HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK- GROUND	LEGEND						LEFT (FEET)	RIGHT (FEET)							
DOG BAG DISPOSAL BOX	1	-	-	-	-	-	SB PLAZA	229+69	127' LT	1	WOOD POST 6"X6"			-	YES	SB PLAZA	367+67	33' LT	645.109	
	1	12	18	1.5 (1.5)	BLUE	WHITE	SB PLAZA	229+72	127' LT	1	WOOD POST 6"X6"			-	YES	SB PLAZA	367+56	33' LT	645.109	
	1	24	18	3 (3)	WHITE	RED	SB PLAZA	229+74	95' LT	1	U CHANNEL POST			-	YES	NB PLAZA	420+64	95' RT	645.109	
	1	12	18	1.5 (1.5)	BLUE	WHITE	SB PLAZA	229+84	94' LT	1	WOOD POST 6"X6"			-	YES	SB PLAZA	225+84	182' LT	645.109	
	5	24	36	6 (6)	RED	WHITE	SB PLAZA	230+62	147' LT	1 (5)	WOOD POST 6"X6"			-		SB PLAZA	361+00	15' RT	645.109	
		24	36	6 (6)				230+83	179' LT							SB PLAZA	361+00	30' LT		
		24	36	6 (6)				231+20	95' RT							SB PLAZA	365+07	13' RT		
		24	36	6 (6)				232+35	107' RT							SB PLAZA	232+41	107' RT		
		30	42	8.75 (8.75)				234+06	71' RT							SB PLAZA	356+99	16' RT		
	2	60	48	20 (40)	WHITE	BLACK	SB PLAZA	231+34 231+59	89' LT 114' LT	1 (2)	WOOD POST 6"X6"			-	YES	SB PLAZA SB PLAZA	359+00 359+00	16' RT 28' LT	645.109	
	1	60	48	20 (20)	YELLOW	BLACK	SB PLAZA	234+06	71' RT	1	WOOD POST 6"X6"			-	YES	SB PLAZA	353+00	16' RT	645.109	
	1	27	10	1.88 (1.88)	GREEN	WHITE	SB	1237+50	76' LT	1	U CHANNEL POST			-	YES	SB	1237+49	95' LT	645.109	
	1	?	?	?	WHITE	BLACK	SB	1246+49	67' LT	?	?			-	YES	SB	1268+50	67' LT	645.109	

Date:10/23/2019

Filename: 00X_RR_Sign_Summary_SB_2.dgn

Scale:	Designed by: <div style="text-align: center; font-size: 24pt; font-weight: bold; margin-top: 10px;">  </div>	HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909		<div style="font-size: 18pt; font-weight: bold; margin-bottom: 5px;">THE GOLD STAR</div> <div style="font-size: 18pt; font-weight: bold; margin-bottom: 5px;">MEMORIAL HIGHWAY</div>	KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB SIGN SUMMARY - REMOVE AND RESET																		
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No.	Revision	By	Date																				
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th> </th> <th>By</th> <th>Date</th> <th> </th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>AJS</td> <td>10\19</td> <td>Checked</td> <td>DSS</td> <td>10\19</td> </tr> <tr> <td>Drawn</td> <td>LCG</td> <td>10\19</td> <td>In Charge of</td> <td>RAL</td> <td>10\19</td> </tr> </tbody> </table>			By	Date		By	Date	Designed	AJS	10\19	Checked	DSS	10\19	Drawn	LCG	10\19	In Charge of	RAL	10\19	MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.		CONTRACT: 2019.02	
	By	Date		By	Date																		
Designed	AJS	10\19	Checked	DSS	10\19																		
Drawn	LCG	10\19	In Charge of	RAL	10\19																		
					80 OF 158																		

NORTHBOUND PLAZA PROPOSED SIGN SUMMARY

IDENTIFICATION NUMBER	DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		NUMBER OF POSTS	POST SIZE	HEIGHT OF POST			FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE	DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER	COMMENTS
			HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK-GROUND	LEGEND			LEFT (FEET)	CENTER (FEET)	RIGHT (FEET)							
E5-1a		1	60	78	32.5 (32.5)	GREEN	WHITE	1	W8X24	-	10'	-	30"	YES	NB PLAZA	45+28	39' LT	645.251	
GS-1		1	72	72	36 (36)	BLUE	WHITE	1	W8X24	-	11'	-	30"	YES	NB PLAZA	45+30	36' LT	645.251	
R5-1		2	36	36	9 (18)	WHITE	RED	1 (2)	WOOD POST 6"X6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	NB PLAZA	115+84 118+28	23' LT 38' LT	645.27	
GS-2		1	66	132	60.5 (60.5)	GREEN	WHITE	2	W8X18	10.5'	-	10.5'	30"	YES	NB PLAZA	114+25	99' LT	645.251	
R8-3a		4	24	18	3 (12)	WHITE	RED	1 (4)	U CHANNEL POST	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	NB PLAZA	116+75 118+09 412+00 409+06	65' RT 223' RT 44' RT 40' RT	645.27	
GS-3		1	60	48	20 (20)	FLUORESCENT YELLOW	BLACK	1	WOOD POST 6"X6"				-	YES	NB PLAZA	116+99	48' LT	645.27	
R7-1		1	18	12	1.5 (1.5)	WHITE	RED	1	WOOD POST 6"X6"				-	YES	NB PLAZA	118+28	38' LT	645.27	ASSEMBLE WITH R5-1
GS-4		1	72	84	42 (42)	BLUE	WHITE	1	W8X24	-	13.25'	-	30"	YES	NB PLAZA	119+41	76' LT	645.251	
R6-1R		3	12	36	3 (9)	WHITE	BLACK	1 (3)	U CHANNEL POST	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	NB PLAZA	119+77 122+37 133+29	71' LT 79' LT 133' LT	645.27	
R3-2		2	36	36	9 (18)	WHITE	RED	1 (2)	WOOD POST 6"X6"				-	YES	NB PLAZA	119+77 122+37	71' LT 79' LT	645.27	
R6-1L		2	12	36	3 (6)	WHITE	BLACK	1 (2)	U CHANNEL POST				-	YES	NB PLAZA	120+66 122+09	329' RT 354' RT	645.27	
GS-5		1	24	48	8 (8)	GREEN	WHITE	1	W6X15	-	14.5'	-	24"	YES	NB PLAZA	122+65	210' RT	645.27	ASSEMBLE WITH 'ADDITIONAL TRUCK PARKING SIGN'
GS-6		1	24	48	8 (8)	BLUE	WHITE	1	W6X15	-	14.5'	-	24"	YES	NB PLAZA	122+65	210' RT	645.27	
GS-7		1	18	24	3 (3)	BLUE	WHITE	1	U CHANNEL POST	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	NB PLAZA	122+87	210' RT	645.27	

Date:10/23/2019

Filename: 00X_PROP_Sign_Summary_NB_1.dgn

Scale:		Designed by:	
No.	Revision	By	Date

HNTB			
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	By	Date
Designed	AJS 10\19	Checked	DSS 10\19
Drawn	LCG 10\19	In Charge of	RAL 10\19

HNTB CORPORATION
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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

SIGN SUMMARY - PROPOSED

SHEET NUMBER: TSS-9
 CONTRACT: 2019.02
 81 OF 158

NORTHBOUND PLAZA PROPOSED SIGN SUMMARY

IDENTIFICATION NUMBER	DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		NUMBER OF POSTS	POST SIZE	HEIGHT OF POST			FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE	DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER	COMMENTS
			HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK-GROUND	LEGEND			LEFT (FEET)	CENTER (FEET)	RIGHT (FEET)							
RI-1		1	36	36	9 (9)	RED	WHITE	1	WOOD POST 6"X6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	NB PLAZA	419+31	53' RT	645.27	
RS-1a		3	24	36	6 (18)	RED	WHITE	1 (3)	WOOD POST 6"X6"	↓	↓	↓	-	YES	NB PLAZA	114+27 419+31 418+72	102' LT 54' RT 96' RT	645.27	
GS-8		1	54	144	54 (54)	BLUE	WHITE	2	W8X18	9.5'	-	9.5'	30"	YES	NB PLAZA	418+76	17' LT	645.251	
R7-8		3	18	12	1.5 (4.5)	BLUE	WHITE	1 (3)	U CHANNEL POST	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	NB PLAZA	125+55	80' RT 101' RT 149' RT	645.27	SIGNS TO BE INSTALLED WITH 7' CLEAR FROM BOTTOM OF LOWEST SIGN
R7-8 R7-8P		2 2	18 6	12 12	1.5 (3) 0.5 (1)	BLUE	WHITE	1 (2)	U CHANNEL POST	↓	↓	↓	-	YES	NB PLAZA	125+55	109' RT 141' RT	645.27	SIGNS TO BE INSTALLED WITH 7' CLEAR FROM BOTTOM OF LOWEST SIGN
GS-9		1	54	144	54 (54)	BLUE	WHITE	2	W8X18	9.5'	-	9.5'	30"	YES	NB PLAZA	416+83	32' RT	645.251	
W6-3		1	36	36	9 (9)	FLUORESCENT YELLOW	BLACK	1	WOOD POST 6"X6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	NB PLAZA	416+63	41' RT	645.27	
MI-1		1	24	24	4 (4)	BLUE	WHITE	1	ASSEMBLE WITH EXISTING POST	↓	↓	↓	-	YES	NB PLAZA	415+58	55' RT	645.27	ASSEMBLE WITH 'MAINE TURNPIKE' SIGN RESET
RI-2		1	48	48	16 (16)	WHITE	RED	1	WOOD POST 6"X6"	↓	↓	↓	-	YES	NB PLAZA	403+61	14' RT	645.27	ASSEMBLE WITH DIO-2
DIO-2		1	27	10	1.88 (1.88)	GREEN	WHITE	1	WOOD POST 6"X6"	↓	↓	↓	-	YES	NB PLAZA	403+61	14' RT	645.27	ASSEMBLE WITH RI-2

Date:10/23/2019

Filename: 00X_PROP_Sign_Summary_NB_2.dgn

Scale:			
No.	Revision	By	Date

Designed by:						
HNTB						
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.						
	By	Date		By	Date	
	Designed	AJS	10\19	Checked	DSS	10\19
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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

SIGN SUMMARY - PROPOSED

SHEET NUMBER: TSS-10
CONTRACT: 2019.02

82 OF 158

INTERSECTION IMPROVEMENTS PROPOSED SIGN SUMMARY

IDENTIFICATION NUMBER	DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		NUMBER OF POSTS	POST SIZE	HEIGHT OF POST			FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE	DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER	COMMENTS
			HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK-GROUND	LEGEND			LEFT (FEET)	CENTER (FEET)	RIGHT (FEET)							
W3-2		1	36	36	9 (9)	FLUORESCENT YELLOW	BLACK	1	WOOD POST 6"X6"				-	YES	WESTBOUND APPROACH	SEE SGNL-01	645.27		
W3-3		1	36	36	9 (9)	FLUORESCENT YELLOW	BLACK	1	WOOD POST 6"X6"				-	YES	SOUTHBOUND APPROACH	SEE SGNL-01	645.27		
R3-5L		2	36	30	7.5 (15.0)	WHITE	BLACK	TO BE INSTALLED ON MAST ARMS							EASTBOUND & SOUTHBOUND APPROACH	SEE SGNL-01 SEE SGNL-02	645.27		
R3-5R		3	36	30	7.5 (22.5)	WHITE	BLACK	↓							SOUTHBOUND & NORTHBOUND & WESTBOUND APPROACH	SEE SGNL-01 SEE SGNL-02	645.27		
R3-6L		3	36	30	7.5 (22.5)	WHITE	BLACK	↓							SOUTHBOUND & NORTHBOUND & WESTBOUND APPROACH	SEE SGNL-01 SEE SGNL-02	645.27		
R3-6R		2	36	30	7.5 (15.0)	WHITE	BLACK	↓							EASTBOUND & SOUTHBOUND APPROACH	SEE SGNL-01 SEE SGNL-02	645.27		
R10-12		4	36	30	7.5 (30.0)	WHITE	BLACK	↓							EASTBOUND & SOUTHBOUND & WESTBOUND APPROACH	SEE SGNL-01 SEE SGNL-02	645.27		
RI-2		1	48	48	8 (8)	WHITE	RED	↓							WESTBOUND APPROACH	SEE SGNL-01	645.27		
RI-2		1	48	48	8 (8)	WHITE	RED	↓							INCLUDED IN 645.511 SPECIFICATION	WESTBOUND APPROACH	SEE SGNL-01	645.511	
R10-3eR		4	15	9	.94 (3.8)	WHITE	BLACK	TO BE INSTALLED ON PEDESTRIAN PEDESTALS								SEE SGNL-01 SEE SGNL-03	645.27		
R10-3eL		4	15	9	.94 (3.8)	WHITE	BLACK	↓								SEE SGNL-01 SEE SGNL-03	645.27		

Date:10/23/2019

Filename: 00X_PROP_Sign_Summary_NB_3.dgn

Scale:			
No.	Revision	By	Date

Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
	Designed	AJS 10\19		Checked	DSS 10\19
	Drawn	LCG 10\19		In Charge of	RAL 10\19

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

SIGN SUMMARY - PROPOSED

SHEET NUMBER: TSS-11
 CONTRACT:2019.02
 83 OF 158

SOUTHBOUND PLAZA PROPOSED SIGN SUMMARY















IDENTIFICATION NUMBER	DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		NUMBER OF POSTS	POST SIZE	HEIGHT OF POST			FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE	DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER	COMMENTS
			HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK-GROUND	LEGEND			LEFT (FEET)	CENTER (FEET)	RIGHT (FEET)							
RI-1		1	36	36	9 (9)	RED	WHITE	1	WOOD POST 6"X6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	SB PLAZA	214+03	61' LT	645.27	ASSEMBLE WITH R5-1 TO BE RETAINED
W6-3 GS-10		1	36	36	9 (9)	FLUORESCENT YELLOW	BLACK	1	WOOD POST 6"X6"				-	YES	SB PLAZA	379+08	38' LT	645.27	
GS-11 R3-7	 	1	36	30	7.5 (7.5)	YELLOW	BLACK	1	WOOD POST 6"X6"				-	YES	SB PLAZA	378+35	27' RT	645.27	
W3-3		1	36	36	9 (9)	FLUORESCENT YELLOW	BLACK	1	WOOD POST 6"X6"				-	YES	SB PLAZA	377+87	27' RT	645.27	
R8-3a		12	24	18	3 (36)	WHITE	RED	1 (12)	U CHANNEL POST				-	YES	SB PLAZA	214+99 216+29 217+49 368+60 366+93 364+48 364+00 362+97 362+50 361+60 232+46 233+33	59' LT 123' LT 182' LT 22' RT 14' RT 28' LT 12' RT 28' LT 14' RT 36' LT 168' LT 119' LT	645.27	
GS-12		1	30	30	6.25 (6.25)	WHITE	BLACK	1	WOOD POST 6"X6"				-	YES	SB PLAZA	376+95	26' RT	645.27	
R6-1R		3	12	36	3 (9)	WHITE	BLACK	1 (3)	U CHANNEL POST				-	YES	SB PLAZA	217+17 225+62 229+03	117' RT 102' RT 115' RT	645.27	
GS-5		1	24	48	8 (8)	GREEN	WHITE	1	WOOD POST 6"X6"				-	YES	SB PLAZA	218+26	69' RT	645.27	
R6-1L		1	12	36	3 (3)	WHITE	BLACK	1	U CHANNEL POST				-	YES	SB PLAZA	367+89	15' RT	645.27	
GS-7		1	18	24	3 (3)	BLUE	WHITE	1	U CHANNEL POST				-	YES	SB PLAZA	225+64	183' LT	645.27	
R5-1 GS-10	 	1	36	36	9 (9)	WHITE	BLACK	1	ASSEMBLE WITH EXISTING POST				-	YES	SB PLAZA	367+52	15' RT	645.27	ASSEMBLE WITH W6-3 TO BE RETAINED

Date:10/23/2019

Filename: 00X_PROP_Sign_Summary_SB_1.dgn



Scale:		Designed by:				HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909				THE GOLD STAR MEMORIAL HIGHWAY		KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB SIGN SUMMARY - PROPOSED									
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By	Date	By	Date																		
Designed	AJS 10\19	Checked	DSS 10\19																		
Drawn	LCG 10\19	In Charge of	RAL 10\19																		

SOUTHBOUND PLAZA PROPOSED SIGN SUMMARY

IDENTIFICATION NUMBER	DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		NUMBER OF POSTS	POST SIZE	HEIGHT OF POST			FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE	DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER	COMMENTS
			HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK-GROUND	LEGEND			LEFT (FEET)	CENTER (FEET)	RIGHT (FEET)							
R6-1L R3-1		1 1	12 36	36 36	3 (3) 9 (9)	BLACK WHITE	WHITE RED	1	WOOD POST 6"X6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	SB PLAZA	366*59	18' RT	645.27	
M3-3 MI-1		1 1	12 24	24 24	2 (2) 4 (4)	BLUE BLUE	WHITE WHITE	1	ASSEMBLE WITH EXISTING POST	↓ ↓ ↓			-	YES	SB PLAZA	365*88	7' LT	645.27	ASSEMBLE WITH 'MAINE TURNPIKE' SIGN RESET
GS-5		1	24	48	8 (8)	GREEN	WHITE	1	W6X15	-	13'	-	24"	YES	SB PLAZA	226*90	160' LT	645.27	ASSEMBLE WITH 'ADDITIONAL TRUCK PARKING SIGN'
GS-6		1	24	48	8 (8)	BLUE	WHITE												
R5-1		3	36	36	9 (27)	WHITE	RED	1 (3)	WOOD POST 6"X6"	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	SB PLAZA	365*83 230*02 234*48	17' RT 90' RT 69' RT	645.27	
R5-1a		4	24	36	6 (24)	RED	WHITE	1 (4)	WOOD POST 6"X6"	↓ ↓ ↓			-	YES	SB PLAZA	357*00 365*08 236*15 366*92	27' LT 27' LT 107' RT 14' RT	645.27	ASSEMBLE WITH 'TRUCKS ENTERING SIGN' RESET
GS-4		1	72	84	42 (42)	BLUE	WHITE	1	W8X24	-	13'	-	30"	YES	SB PLAZA	229*23	119' RT	645.251	
R7-8		3	18	12	1.5 (4.5)	WHITE	BLUE	1 (3)	U CHANNEL POST	POST HEIGHT TO BE SIZED TO MEET MUTCD MOUNTING REQUIREMENTS			-	YES	SB PLAZA	223*43	148' LT 99' LT 78' LT	645.27	SIGNS TO BE INSTALLED WITH 7' CLEAR FROM BOTTOM OF LOWEST SIGN
R7-8 R7-8P		2 2	18 6	12 12	1.5 (3) 0.5 (1)	WHITE	BLUE	1 (2)	U CHANNEL POST	↓ ↓ ↓			-	YES	SB PLAZA	223*43	137' LT 107' LT	645.27	SIGNS TO BE INSTALLED WITH 7' CLEAR FROM BOTTOM OF LOWEST SIGN
GS-3		1	60	48	20 (20)	FLUORESCENT YELLOW	BLACK	1	WOOD POST 6"X6"	↓ ↓ ↓			-	YES	SB PLAZA	232*41	107' RT	645.27	
W3-5		2	36	36	9 (18)	FLUORESCENT YELLOW	BLACK	1 (2)	WOOD POST 6"X6"	↓ ↓ ↓			-	YES	SB PLAZA	357*00 357*00	27' LT 16' RT	645.27	TO BE ASSEMBLED WITH R5-1a
GS-1		1	72	72	36 (36)	BLUE	WHITE	1	W8X24	-	11'	-	30"	YES	SB	1237*49	95' LT	645.251	
E5-1a		1	60	78	32.5 (32.5)	GREEN	WHITE	1	W8X24	-	10'	-	30"	YES	SB	1237*50	108' LT	645.251	
GS-2		1	66	132	60.5 (60.5)	BLUE	WHITE	2	W8X18	10.75'	-	11.75'	30"	YES	SB PLAZA	236*13	112' RT	645.251	

Date:10/23/2019

Filename: 00X_PROP_Sign_Summary_SB_2.dgn

Scale:		Designed by:				HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909				THE GOLD STAR MEMORIAL HIGHWAY		KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB SIGN SUMMARY - PROPOSED											
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By	Date	By	Date																				
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Drawn	LCG 10\19	In Charge of	RAL 10\19																				

SOUTHBOUND PLAZA PROPOSED SIGN SUMMARY

IDENTIFICATION NUMBER	DESCRIPTION	QUANTITY	SIGN SIZE			COLOR		NUMBER OF POSTS	POST SIZE	HEIGHT OF POST			FOUNDATION SIZE AND TYPE	BREAKAWAY DEVICE	DIRECTION (NB-NORTHBOUND) (SB-SOUTHBOUND)	LOCATION	OFFSET (FROM BASELINE TO SIGN CENTER)	PAY ITEM NUMBER	COMMENTS
			HEIGHT (IN.)	WIDTH (IN.)	AREA (SQ. FT.)	BACK-GROUND	LEGEND			LEFT (FEET)	CENTER (FEET)	RIGHT (FEET)							
GS-8		1	54	144	54 (54)	BLUE	WHITE	2	W10X22	15.5'	-	15.5'	30"	YES	SB PLAZA	372+00	20' RT	645.251	ASSEMBLE WITH GS-15
GS-13		1	108	132	99 (99)	GREEN	WHITE			MOUNT TO OVERHEAD SIGN BRIDGE AT 369+50					SB PLAZA	369+50		645.252	MOUNT TO OVERHEAD STRUCTURE AT 369+50
EI-5P GS-14 E2-1		1 1 1	30 168 24	114 228 168	23.75 (23.75) 266 (266) 28 (28)	GREEN	WHITE	3	W12X26	24.6'	22.5'	20.75'	36"	YES	SB	1247+00	104' LT	645.252	
GS-15		1	72	108	54 (54)	GREEN	WHITE	2	W10X22	15.5'	-	15.5'	30"	YES	SB PLAZA	372+00	20' RT	645.251	ASSEMBLE WITH GS-8


Date:10/23/2019

Filename: 00X_PROP_Sign_Summary_SB_3.dgn

Scale:			
No.	Revision	By	Date

Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
	Designed	AJS 10\19	Checked	DSS 10\19	
	Drawn	LCG 10\19	In Charge of	RAL 10\19	

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 SIGN SUMMARY - PROPOSED

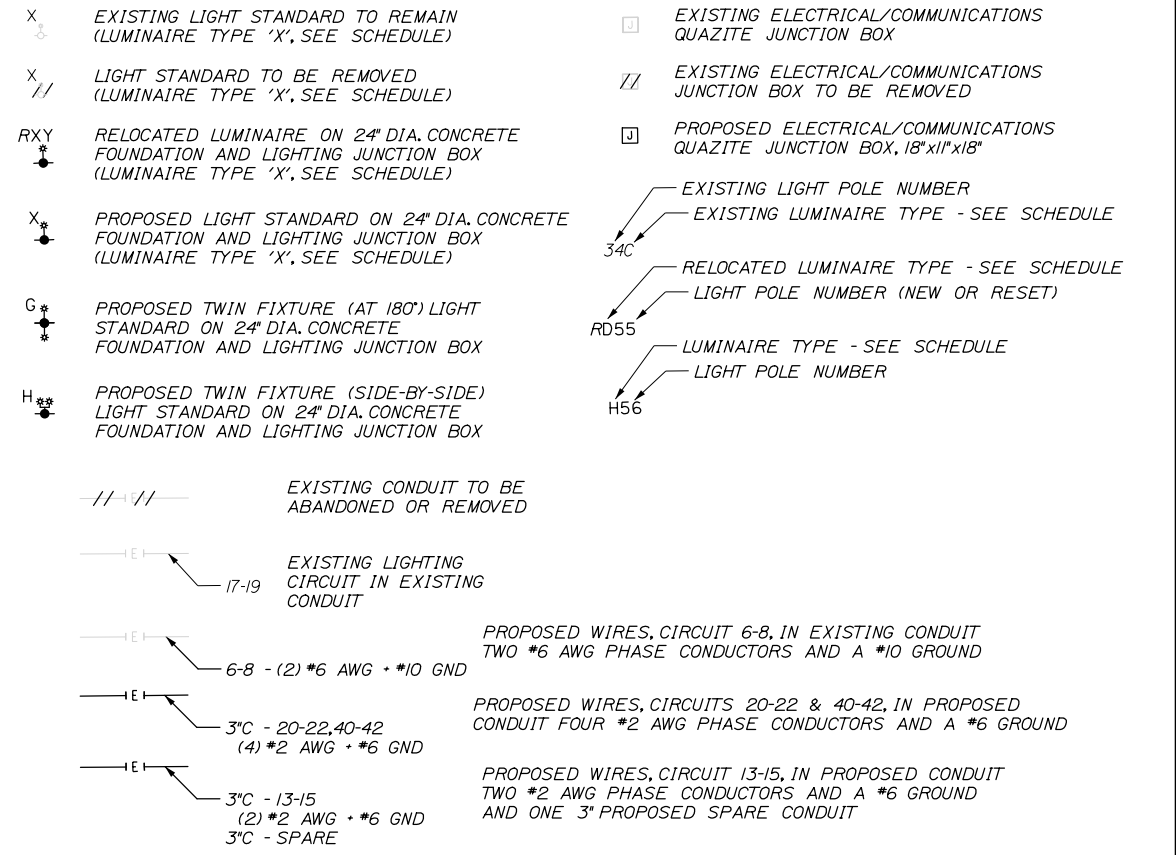
SHEET NUMBER: TSS-14
 CONTRACT: 2019.02
 86 OF 158

LIGHTING GENERAL NOTES:

- EXISTING LIGHTING WITHIN THE PROJECT LIMITS SHALL BE OPERATIONAL AT ALL TIMES UNLESS NOTED OTHERWISE ON THE PLANS.
- PRIOR TO THE REMOVAL OF ANY FIXTURE, THE CONTRACTOR SHALL TRACE, FIELD VERIFY, AND DOCUMENT ALL EXISTING CONDUITS AND CIRCUIT ROUTINGS, AND CHECK CONTINUITY OF EXISTING WIRING FROM THE LIGHTING PANEL TO THE LAST FIXTURE ON EACH CIRCUIT. THE FIELD FINDING DOCUMENTATION SHALL BE SUBMITTED TO THE ENGINEER.
- EXTRA CARE MUST BE TAKEN WHEN CROSSING OR WORKING NEAR OTHER UTILITIES OR CONDUITS. HAND EXCAVATION MAY BE REQUIRED. EXISTING CONDUIT MAY BE ASBESTOS CEMENT CONDUIT. CONTRACTOR SHALL TAKE EXTREME CARE NOT TO DAMAGE IT. ALL EXISTING CONDUIT THAT REQUIRES REMOVAL DUE TO NEW CONSTRUCTION SHALL BE REMOVED PER THE SPECIFICATIONS, SPECIAL PROVISION 105.4.5.3 AND AS DIRECTED BY THE RESIDENT. SPECIAL CARE MUST BE TAKEN WHEN TRENCHING TO PROTECT EXISTING UTILITIES.
- ALL LIGHT STANDARD AND CONDUIT TRENCHES SHALL BE INSTALLED IN A MANNER THAT AVOIDS CONFLICT WITH DRAINAGE STRUCTURES AND UTILITIES. ALL ENCOUNTERED WIRE SHALL BE CAREFULLY CROSSED. ALL SPLICES SHALL BE PERFORMED IN JUNCTION BOXES OR TRANSFORMER BASES.
- PROPOSED NON-METALLIC CONDUIT SHALL BE 3" SCHEDULE 80 PVC AND SHALL CONTAIN NUMBER AND SIZE OF WIRES CONSISTENT WITH EXISTING CIRCUIT, UNLESS OTHERWISE NOTED. MINIMUM BURIAL DEPTH FOR CONDUIT SHALL BE 30". CONTRACTOR TO FIELD VERIFY.
- LIGHTING CONDUIT, JUNCTION BOXES, AND WIRE SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEMS. REMOVAL OF CONDUIT AND WIRES SHALL NOT BE PAID SEPARATELY, AND SHALL BE INCIDENTAL TO THE ELECTRICAL WORK.
- PROPOSED CONDUIT SHALL HAVE A MINIMUM 2" OFFSET DOWN SLOPE OF EXISTING CONDUIT. APPROXIMATE LOCATION OF EXISTING CONDUIT IS SHOWN ON THE PLANS.
- THE CONTRACTOR SHALL ONLY EXCAVATE AN AMOUNT OF UTILITY TRENCH THAT CAN BE BACKFILLED IN THE SAME DAY. UTILITY TRENCHES SHALL NOT BE LEFT OPEN OVERNIGHT.
- SERVICE AREA LIGHTING IS FED FROM 120/208V LIGHTING PANEL LOCATED IN THE MECHANICAL ROOM OF THE SERVICE AREA BUILDING. EACH FIXTURE IS CONNECTED TO A 208V DOUBLE POLE BREAKER.
- LIGHTING FIXTURES SHALL BE IES FULL CUTOFF, LIGHT EMITTING DIODE (LED) FIXTURES, IES DISTRIBUTION Type II, Type III, OR Type IV, AS NOTED IN THE LUMINAIRE SCHEDULE. ALL FIXTURES SHALL BE GASKETED AND HAVE SURGE PROTECTION AND DOUBLE FUSE KIT. ALL FIXTURES SHALL BE GRAY.
- ALL PROPOSED AND RELOCATED LUMINAIRES SHALL BE AIMED AS SHOWN ON PLANS FOR FINAL CONDITION.
- SEE SPECIFICATIONS FOR ALTERNATE LUMINAIRES AND PROCEDURE FOR PROPOSING AN ALTERNATE, PRE-APPROVED LUMINAIRE.
- A JUNCTION BOX SHALL BE INSTALLED AT EACH NEW AND RELOCATED POLE, UNLESS NOTED OTHERWISE. THE WIRING IN CONDUITS SHALL BE CONTINUOUS BETWEEN JUNCTION BOXES.
- UPON COMPLETION OF THIS PROJECT, THE CONTRACTOR SHALL FURNISH TO MTA A SET OF AS-BUILT PLANS FOR FUTURE REFERENCE AND SYSTEM MAINTENANCE.
- ALL LIGHT BASES SHALL HAVE A GROUND ROD LOCATED ADJACENT TO THE POLE THAT IS BONDED TO THE GROUNDING CONDUCTOR. PAYMENT FOR THE GROUND ROD SHALL BE INCIDENTAL TO LIGHT POLE ITEM.

- BREAKAWAY DEVICES FOR LIGHT POLES SHALL CONFORM TO THE LATEST VERSION OF "AASHTO STANDARD SPECIFICATIONS FOR STRUCTURAL SUPPORTS FOR HIGHWAY SIGNS, LUMINAIRES AND TRAFFIC SIGNALS" AND NCHRP REPORT 350. THE BREAKAWAY DEVICE SHALL BE DESIGNED SO THAT THE ANCHOR BOLTS WILL NOT BEND WHEN A VEHICLE HITS THE POLE. BREAKAWAY DEVICES SHALL BE INSTALLED ON ALL POLES EXCEPT THOSE LOCATED ON BARRIERS. ALL LIGHT STANDARDS REMOVED AND RESET SHALL HAVE BREAKAWAY BASES.
- WIRE SHALL BE STRANDED COPPER XHHW-2, UNLESS OTHERWISE NOTED.
- LIGHT POLES THAT ARE SHOWN TO BE REMOVED, OR REMOVED AND RELOCATED, SHALL BE CAREFULLY REMOVED. LIGHT POLES THAT WILL BE PERMANENTLY REMOVED WITHOUT BEING RELOCATED SHALL BE DELIVERED TO THE MTA SIGN SHOP AT 108 BLACKSTRAP ROAD, CUMBERLAND, ME 04021. WHEN REMOVING LIGHT POLES, REMOVE ALL EXISTING CONDUCTORS ASSOCIATED WITH THE LIGHT POLE. WHEN REMOVING HANDHOLES, REMOVE ALL CONDUCTORS IN CONDUITS ENTERING THE HANDHOLE BACK TO NEAREST HANDHOLE OR LIGHTING UNIT TO REMAIN AND ABANDON THE EMPTY CONDUIT IN PLACE. PRIOR TO CONDUCTOR REMOVAL CONTRACTOR SHALL TEST THAT CIRCUITS THAT SERVICE EXISTING LOADS ARE NOT AFFECTED BY REMOVAL.
- EXISTING LIGHTING IS INTENDED TO REMAIN OPERATIONAL UNTIL NEW LIGHTING IS ACTIVATED. IF NECESSARY TO REMOVE OR DEACTIVATE ANY LUMINAIRE BEFORE NEW LIGHTING IS ACTIVATED MAY BE ALLOWED, WHEN APPROVED BY THE RESIDENT. TEMPORARY LIGHTING SHALL BE USED TO MAINTAIN ILLUMINATION AND WILL BE INCIDENTAL TO LIGHTING WORK, AND WILL NOT BE PAID SEPARATELY.
- AT EACH POLE, CONTRACTOR SHALL PROVIDE 18" OF EXTRA WIRE SLACK, TO REMOVE THE FUSE HOLDERS FROM THE HANDHOLE TO REPLACE FUSES.
- PROVIDE LABELS ON ALL POLES INCLUDING RELOCATED LIGHT POLES.
- THE CONTRACTOR SHALL ENSURE THAT EVERY LIGHT POLE LOCATION IS GROUNDED TO THE LIGHTING SYSTEM GROUND CONDUCTOR. ANY LOCATION FOUND NOT CONNECTED SHALL BE CONNECTED CONSISTENT WITH THE DETAILS ON DRAWING LGT-02.
- CONTRACTOR SHALL SUBMIT AN UPDATED CIRCUIT SCHEDULE AT EACH LIGHTING PANEL TO THE ENGINEER UPON COMPLETION.
- THE CONTRACTOR SHALL INSTALL CONDUIT EXPANSION/DEFLECTION FITTINGS FOR THE AREAS INDICATED ON THE PLANS. TOTAL OF THREE EXPANSION/DEFLECTION FITTINGS SHALL BE INSTALLED FOR EACH CONDUIT RUN, ONE AT EACH TERMINATION POINT AND ONE IN THE CENTER OF THE CONDUIT. INSTALLATION OF EXPANSION/DEFLECTION FITTINGS WILL NOT BE PAID SEPARATELY, AND SHALL BE INCIDENTAL TO LIGHT POLE FOUNDATION WORK.
- THE CONTRACTOR SHALL INSTALL 3 PIN NEMA PHOTOCONTROL RECEPTACLE AT EACH EXISTING AND RELOCATED PARKING LOT AND HIGHWAY LUMINAIRE WITHIN THE PROJECT LIMITS. FIELD-VERIFY THE CONDITION OF PHOTOCONTROL UNITS ON ALL FIXTURES TO ENSURE PROPER OPERATION. INSTALLATION OF PHOTOCONTROL UNITS SHALL NOT BE PAID SEPARATELY AND SHALL BE INCIDENTAL TO REMOVE AND RESET LIGHT STANDARD WORK. THE PHOTOCONTROL UNITS FOR THE EXISTING LIGHTS WILL BE SUPPLIED BY THE AUTHORITY.
- ALL NEW LIGHT FIXTURES SHALL BE SUPPLIED WITH PHOTOCONTROL UNITS. PHOTOCONTROL SHALL NOT BE PAID SEPARATELY, AND SHALL BE INCIDENTAL TO LUMINAIRES PAY ITEM.
- ELECTRICAL INSTALLATION SHALL CONFORM TO NFPA 70, WHETHER SHOWN OR NOT.

LEGEND:



ABBREVIATIONS:

A	AMPERE	FT.	FOOT, FEET	N.C.	NORMALLY CLOSED
A.C.	ALTERNATING CURRENT	FU.	FUSE	N.I.C.	NOT IN CONTRACT
A.F.G.	ABOVE FINISHED GRADE	G.C.	GENERAL CONTRACTOR	N.O.	NORMALLY OPEN
A.I.C.	AMPERE INTERRUPTING CAPACITY	G.F.I.	GROUND FAULT INTERRUPTER	N.T.S.	NOT TO SCALE
A.T.S.	AUTOMATIC TRANSFER SWITCH	GND.	GROUND	NA	NOT APPLICABLE
ADJ.	ADJACENT	GRD.	GROUND	No.	NUMBER
AUTO	AUTOMATIC	I.G.	ISOLATED GROUND	O.C.	ON CENTER
AWG	AMERICAN WIRE GAUGE	IN.	INCH	OH	OVERHEAD
BLDG.	BUILDING	JB	JUNCTION BOX	PCRM/C	PVC-COATED RIGID METAL CONDUIT
C	CONDUIT	KW.	KILOWATT	PNL	PANEL
C.P.	CONTROL PANEL	LEG	LEGACY	PVC	POLYVINYL CHLORIDE
CB	CIRCUIT BREAKER	LTG.	LIGHTING	PWR	POWER CABLE/CONDUIT
CNTL	CONTROL CABLE/CONDUIT	M.C.S.	MOLDED CASE SWITCH	R.G.S.	RIGID GALVANIZED STEEL
CONTR	CONTRACTOR	M.H.	MOUNTING HEIGHT	SW	SWITCH
D.C.	DIRECT CURRENT	M.L.O.	MAIN LUG ONLY	TYP.	TYPICAL
D.S.	DISCONNECT SWITCH	MCB	MAIN CIRCUIT BREAKER	U.L.	UNDERWRITERS LABORATORIES
DIA.	DIAMETER	MIN.	MINIMUM	U.N.O.	UNLESS NOTED OTHERWISE
E.C.	ELECTRICAL CONTRACTOR	MTA	MAINE TURNPIKE AUTHORITY	V	VOLT
EM.	EMERGENCY	MTD.	MOUNTED		
EMB.	EMBEDDED				

SCHEDULE OF LUMINAIRES

TYPE	MANUFACTURER	SERIES	QUANTITY & TYPE	MOUNTING TYPE	CATALOG NUMBER	REMARKS
A	American Electric	Autobahn ATB2	(1) 130W LED	8' Arm	ATB2 60BLEDE70 XXXXX R3 4K	SINGLE EXISTING LUMINAIRE ON 40' POLE WITH 8' LIGHTING MAST ARM
B	American Electric	Autobahn ATB2	(1) 130W LED	POLE TOP (PT)	ATB2 80BLEDE85 XXXXX R3 4K	SINGLE EXISTING LUMINAIRE ON 40' POLE
C	American Electric	Autobahn ATB2	(1) 220W LED	8' Arm	ATB2 80BLEDE85 XXXXX R4 4K	SINGLE EXISTING LUMINAIRE ON 40' POLE WITH 8' LIGHTING MAST ARM
D	American Electric	Autobahn ATB2	(1) 220W LED	POLE TOP (PT)	ATB2 60BLEDE70 XXXXX R4 4K	SINGLE EXISTING LUMINAIRE ON 40' POLE
E	American Electric	Autobahn ATB2	(1) 130W LED	POLE TOP (PT)	ATB2 80BLEDE85 XXXXX R3 4K	(1) FIXTURE MOUNTED ROUND ALUMINUM POLE *SEE NOTE
F	American Electric	Autobahn ATB2	(1) 220W LED	POLE TOP (PT)	ATB2 80BLEDE85 XXXXX R4 4K	(1) FIXTURE MOUNTED ROUND ALUMINUM POLE *SEE NOTE
G	American Electric	Autobahn ATB2	(2) 220W LED	PT Twin 180°	ATB2 80BLEDE85 XXXXX R4 4K	(2) FIXTURES MOUNTED ROUND ALUMINUM POLE AT 180° *SEE NOTE
H	American Electric	Autobahn ATB2	(2) 220W LED	PT Twin 0°	ATB2 80BLEDE85 XXXXX R4 4K	(2) FIXTURES MOUNTED ROUND ALUMINUM POLE SIDE-BY-SIDE *SEE NOTE

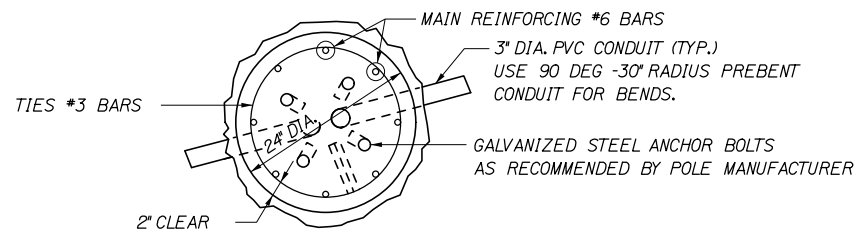
* NOTE FOR ALL LIGHT STANDARDS: OVERALL HEIGHT FROM GRADE TO BOTTOM OF FIXTURE TO BE 40'-0" INCLUDING POLE AND BREAKAWAY UNLESS OTHERWISE NOTED.

Date: 10/23/2019

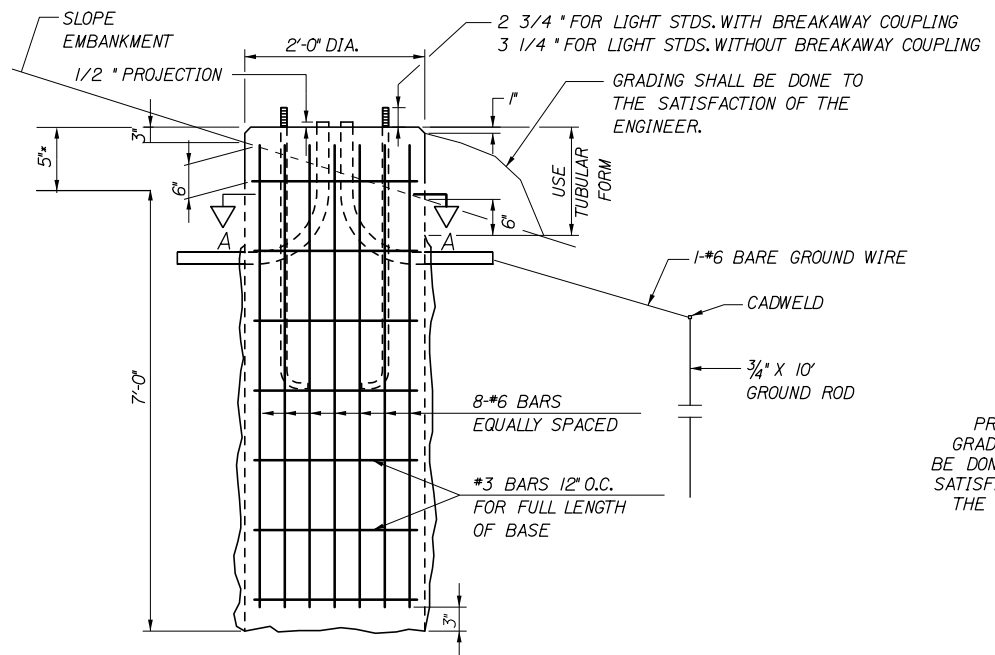
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Scale:	Designed by: <div style="text-align: center; font-size: 2em; font-weight: bold; margin: 10px 0;">HNTB</div> HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909	 THE GOLD STAR MEMORIAL HIGHWAY	KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB LIGHTING GENERAL NOTES, LEGEND, AND ABBREVIATIONS SHEET NUMBER: LGT-01																																		
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> <tr> <td> </td> <td> </td> <td> </td> <td> </td> </tr> </tbody> </table>	No.	Revision	By	Date													CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th> </th> <th>By</th> <th>Date</th> <th> </th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>MDC</td> <td>10\19</td> <td>Checked</td> <td>MS</td> <td>10\19</td> </tr> <tr> <td>Drawn</td> <td>MDC</td> <td>10\19</td> <td>In Charge of</td> <td>RAL</td> <td>10\19</td> </tr> </tbody> </table>		By	Date		By	Date	Designed	MDC	10\19	Checked	MS	10\19	Drawn	MDC	10\19	In Charge of	RAL	10\19	 MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.	CONTRACT: 2019.02 87 OF 158
No.	Revision	By	Date																																		
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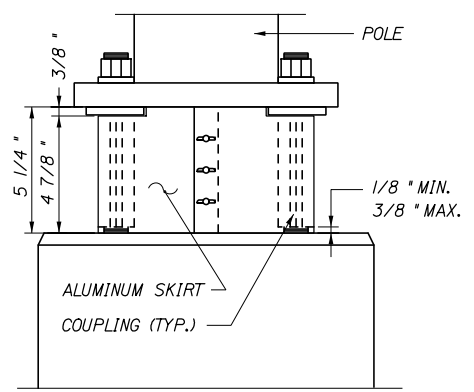


SECTION A-A



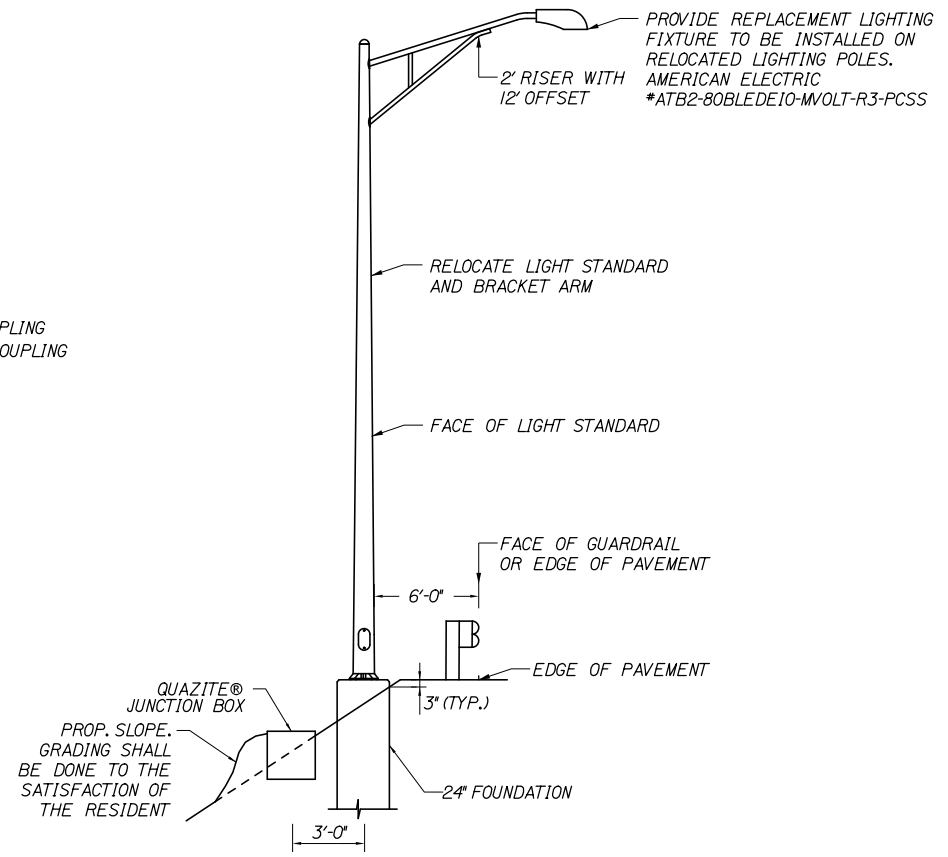
24 INCH FOUNDATION
NOT TO SCALE

NOTE: WHERE SOLID ROCK IS ENCOUNTERED AT LESS THAN THE REQUIRED DISTANCE BELOW GROUND LEVEL, REINFORCING STEEL SHALL BE DOWELED INTO LEDGE AS SHOWN ON MAINE DOT STANDARD DETAIL 626(06). PAYMENT SHALL BE INCIDENTAL TO THE FOUNDATION PAY ITEM.

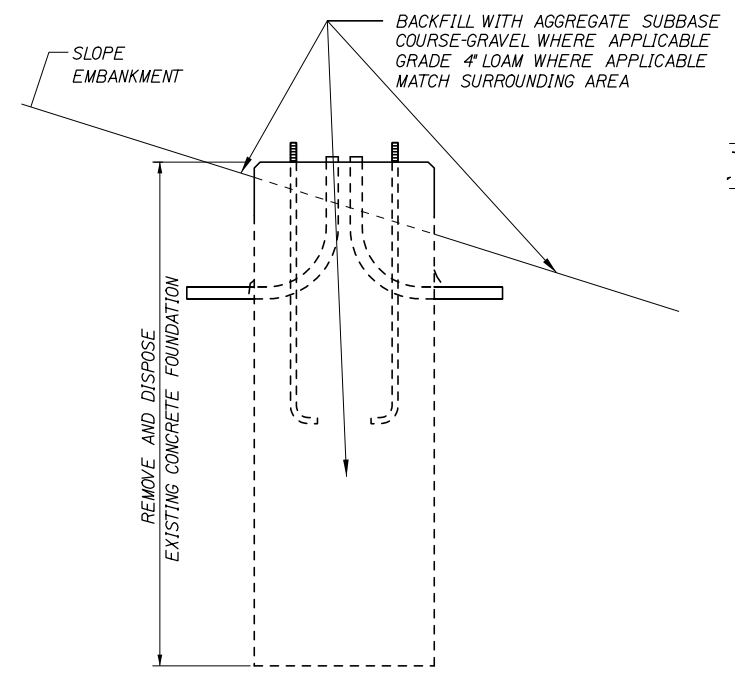


BREAKAWAY COUPLINGS AND SKIRT DETAIL
NOT TO SCALE

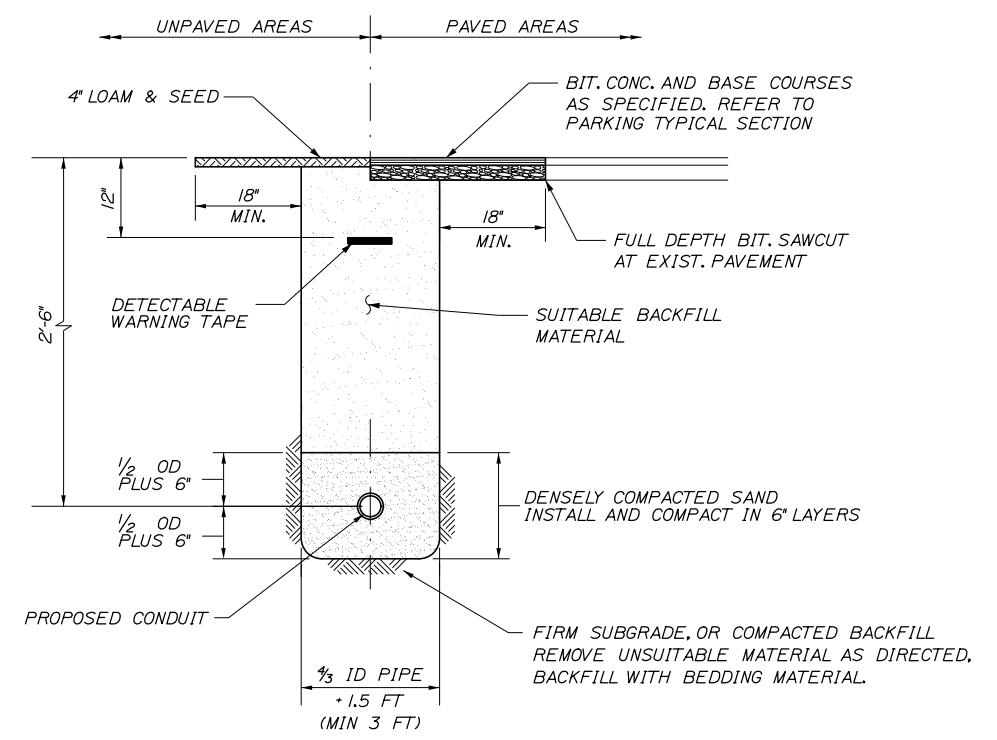
* BREAKAWAY COUPLINGS SHALL BE REQUIRED ON ALL NEW LIGHT STANDARDS



PLACEMENT OF LIGHT STANDARD
NO SCALE

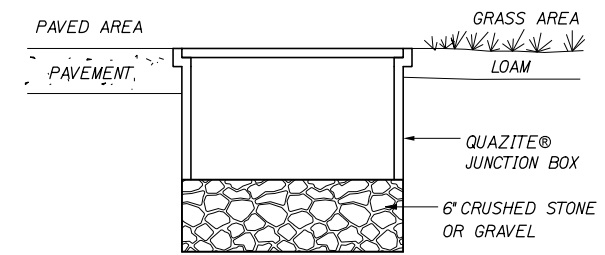


REMOVAL OF CONCRETE FOUNDATION
NOT TO SCALE



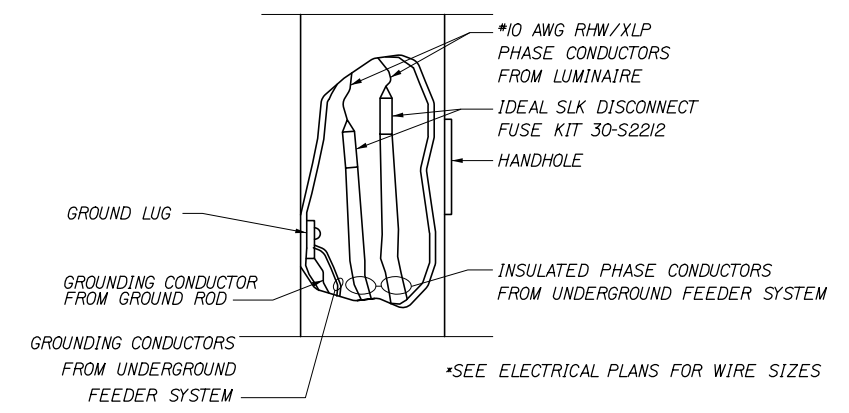
STANDARD PIPE/CONDUIT TRENCH DETAIL
N.T.S.

NOTES:
1. BEDDING SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY. USE HAND TAMPERS OR VIBRATORY COMPACTORS.
2. CONTRACTOR SHALL SHORE TRENCH SIDES WHEN REQUIRED OR AS DIRECTED BY THE RESIDENT.



JUNCTION BOX COVER & FRAME

NOTE: INSTALL JUNCTION BOXES ON GRADE



TYPICAL POLE WIRING DETAIL
NOT TO SCALE


NOTES:
1. QUAZITE® JUNCTION BOXES FOR HIGHWAY LIGHTING SHALL BE QUAZITE AND IN ACCORDANCE WITH SPECIAL PROVISION 626.
2. SPLICES IN JUNCTION BOX SHALL BE MADE WITH ILSCO USPA-350-SS-DB SAFETYSUB WATER TIGHT DIRECT BURY SPLICE WIRE RANGE 350MCM-10-STR, ONLY. PROVIDE ENOUGH SLACK IN THE WIRE TO ALLOW REMOVAL OF SPLICES AND NEATLY ARRANGE WIRE IN BOX.
3. SEE NOTE 24 ON LGT-01 FOR FLEXIBLE CONNECTION REQUIREMENT.

Filename: 00X_LightingDets.dgn

Scale: NOT TO SCALE				
No.	Revision	By	Date	

Designed by:				
HNTB				
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.				
	By	Date		
	HME	10\19	Checked	RBM 10\19
	MPC	10\19	In Charge of	RAL 10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

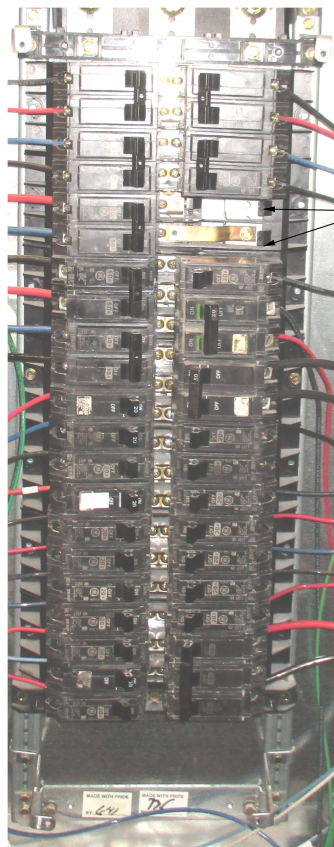
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

LIGHTING DETAILS 1

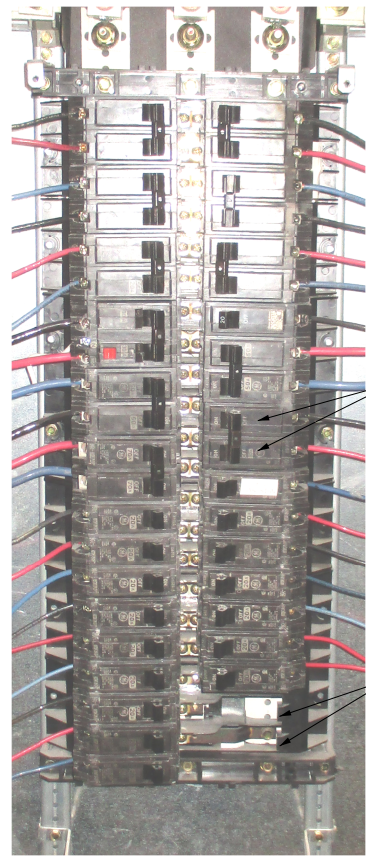
SHEET NUMBER: LGT-02
88 OF 158

CONTRACT: 2019.02

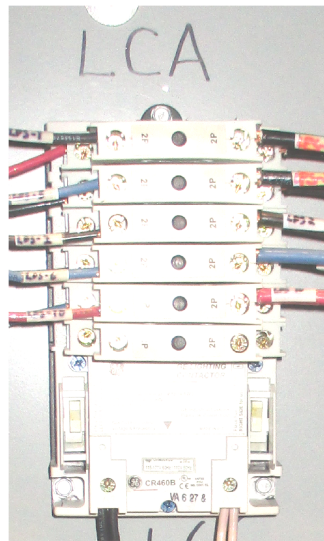
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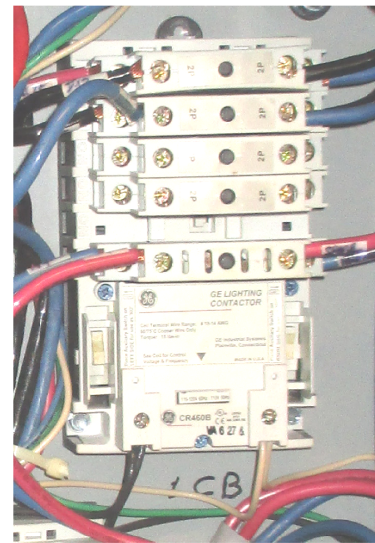
PANELBOARD LPN
(LOCATED IN NORTHBOUND PLAZA MECHANICAL ROOM)



PANELBOARD LPS
(LOCATED IN SOUTHBOUND PLAZA MECHANICAL ROOM)



LIGHTING CONTACTOR LCA
(LOCATED IN NORTHBOUND PLAZA MECHANICAL ROOM)
SEE NOTES



LIGHTING CONTACTOR LCB
(LOCATED IN SOUTHBOUND PLAZA MECHANICAL ROOM)
SEE NOTES

NORTHBOUND LIGHTING SCHEDULE

Light Pole Number	Station	Offset	Wattage	Fed By Circuit From Panel LPN 120/208V - 225A	Installation	Remarks
1	1205+4.33	70.81 R	130	13815	Single fixture with 8ft arm	
2	1206+54.33	70.81 R	130	13815	Single fixture with 8ft arm	
3	1208+2.79	73.88 R	130	13815	Single fixture with 8ft arm	
4	1209+48.23	78.81 R	130	13815	Single fixture with 8ft arm	
5	1210+96.06	78.25 R	130	13815	Single fixture with 8ft arm	
6	450+58.13	10.61 R	130	13815	Single fixture with 8ft arm	
7	1214+45.55	99.26 R	130	13815	Single fixture with 8ft arm	
8	1216+34.02	95.17 R	220	13815	Pole Top	Wired to existing pole JB
9	1220+89.60	125.92 R	220	17819	Dual Head Pole Top	
10	1221+97.43	121.50 R	220	17819	Pole Top	
11	1226+40.84	100.74 R	220	17819	Pole Top	
12	118+41.96	39.75 L	220	688	Pole Top	
13	119+82.84	7.08 R	220	688	Dual Head Pole Top	
14	123+18.44	51.57 L	220	688	Pole Top	
15	124+7.76	52.90 L	220	688	Pole Top	
16	124+96.56	64.27 L	220	688	Pole Top	
17	1224+59.40	108.30 R	220	17819	Single fixture with 8ft arm	
18	125+2.73	203.38 R	220	587	Pole Top	
19	124+14.33	202.7 R	220	587	Pole Top	
20	123+24.87	205.00 R	220	587	Pole Top	
21	122+58.57	201.06 R	220	587	Dual Head Pole Top	
22	419+41.38	72.70 R	130	587	Pole Top	
23	420+54.88	93.80 R	130	587	Pole Top	
24	422+34.93	109.88 R	220	284	Dual Head Pole Top	
25	424+20.50	105.51 R	220	284	Dual Head Pole Top	
26	117+77.96	181.48 R	220	284	Dual Head Pole Top	
27	116+63.11	49.54 R	220	284	Pole Top	
28	418+47.23	71.03 R	220	587	Pole Top	
29	417+79.84	179.55 R	220	9811	Pole Top	
30						No light standard
31	416+89.34	88.00 R	220	9811	Pole Top	
32	415+67.74	143.87 R	220	9811	Pole Top	
33	415+19.50	177.15 R	220	9811	Dual Head Pole Top	Replace single 220W with Dual Head 220W
34	127+71.45	107.85	220	17819	Single fixture with 8ft arm	
35	129+23.64	55.18 R	220	20822	Twin arm lighting, Approx 8 ft arm	
36	130+78.45	64.73 L	220	20822	Twin arm lighting, Approx 8 ft arm	
37	129+94.94	2.90 L	220	20822	Dual Head Pole Top	
38						Not Used
39	132+95.68	128.95 L	220	40842	Pole Top	
40	403+9.36	15.89 L	130	21823	Single fixture with 8ft arm	Photocell on Luminaire
41	401+59.03	18.63 L	130	21823	Single fixture with 8ft arm	Photocell on Luminaire
42	400+7.33	20.17 L	130	21823	Single fixture with 8ft arm	Photocell on Luminaire
43	1242+50.00	77.44 R	130	21823	Single fixture with 8ft arm	Photocell on Luminaire
44	1244+00.00	77.01 R	130	21823	Single fixture with 8ft arm	Photocell on Luminaire
45	1245+50.00	77.56 R	130	21823	Single fixture with 8ft arm	Photocell on Luminaire
46	1247+00.00	77.04 R	130	21823	Single fixture with 8ft arm	Photocell on Luminaire
47	1248+50.00	77.50 R	130	21823	Single fixture with 8ft arm	Photocell on Luminaire
48	1250+00.00	89.08 R	130	21823	Single fixture with 8ft arm	Photocell on Luminaire, Relocate
49	1251+50.00	83.87 R	130	21823	Single fixture with 8ft arm	Photocell on Luminaire, Relocate
50	1253+00.00	83.87 R	130	21823	Pole Top	Photocell on Luminaire
51	1254+50.00	81.37 R	130	21823	Pole Top	Photocell on Luminaire
52	1256+00.00	76.87 R	130	21823	Pole Top	Photocell on Luminaire
53	1257+50.00	70.70 R	130	21823	Pole Top	Photocell on Luminaire
SIGN	1252+59.95	80.50 R		21823	45 MPH Sign	
54	407+80.80	46.27 R	220	40842	Pole Top	
55	409+45.37	48.36 R	220	40842	Pole Top	
56	411+17.28	47.64 R	220	40842	Pole Top	
57	413+16.28	49.98 R	220	40842	Pole Top	
58	134+30.50	86.25 L	130	40842	Pole Top	
59	1235+95.32	92.40 R	130	40842	Pole Top	

SOUTHBOUND LIGHTING SCHEDULE

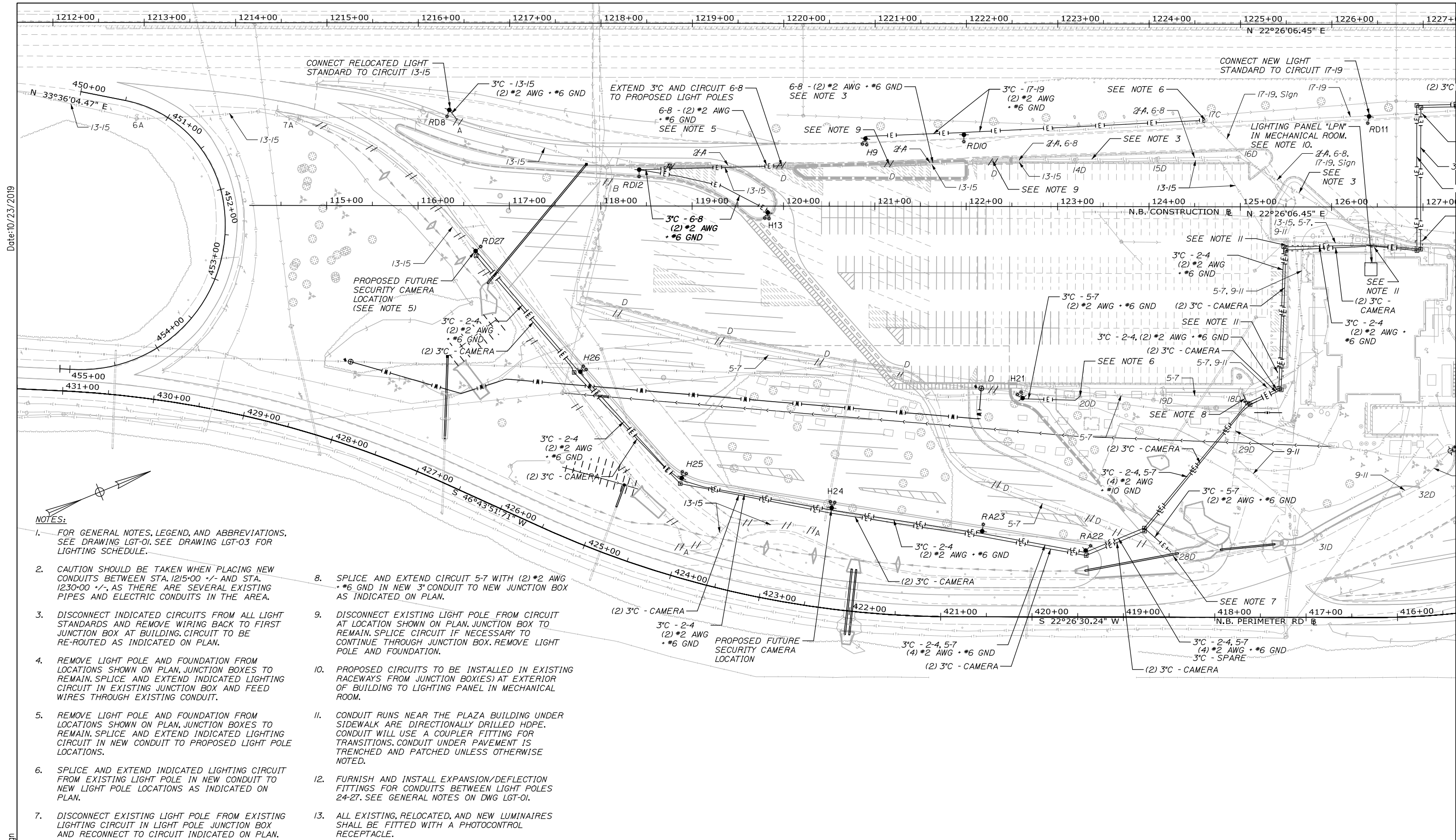
Light Pole Number	Station	Offset	Wattage	From Panel LPS 120/208V -	Installation	Remarks
1	1242+85.16	77.37 L	130	9811	Single fixture with 8ft arm	
2	350+84.50	15.12 R	130	9811	Single fixture with 8ft arm	
3	352+37.00	15.12 R	130	9811	Single fixture with 8ft arm	
4	353+92.00	15.12 R	130	9811	Single fixture with 8ft arm	
5	355+00.00	15.12 R	130	9811	Single fixture with 8ft arm	
6	1236+85.16	90.59 L	130	9811	Single fixture with 8ft arm	
7	230+3.28	88.10 R	220	284	Pole Top	
8	228+93.38	79.39 R	220	284	Pole Top	
9	227+82.89	74.25 R	220	284	Pole Top	
10	234+5.66	15.07 R	220	284	Pole Top	
11	228+7.20	70.13 R	220	688	Pole Top	
12	224+90.03	70.20 R	220	688	Pole Top	
13	223+89.30	70.13 R	220	688	Pole Top	
14	1223+95.62	92.38 L	220	13815	Pole Top	
15	369+36.91	72.28	220	587	Pole Top	
16	368+39.52	72.77 L	220	587	Pole Top	
17	366+37.34	106.11 L	220	587	Dual Head Pole Top	
18	365+29.84	25.55 L	220	183	Dual Head Pole Top	
19	363+31.70	28.53 L	220	183	Dual Head Pole Top	
20	361+20.85	55.00 L	220	183	Dual Head Pole Top	
21	359+9.57	75.59 L	220	183	Dual Head Pole Top	
22	1222+35.55	98.48 L	220	13815	Pole Top	
23	368+15.56	40.67 L	130	183	8ft arm, 30ft pole	
24	370+51.93	38.62 L	220	587	Pole Top	
25	371+64.59	96.15 L	220	587	Pole Top	
26	1221+32.68	90.74 L	220	13815	Single fixture with 8ft arm	
27	219+33.43	19.19 R	220	17819	Dual Head Pole Top	
28	218+19.84	72.23 R	220	17819	Dual Head Pole Top	
29						Not Used
30	1214+3.54	103.04 L	130	17819	Pole Top	
31	1212+23.65	94.24 L	130	17819	Single fixture with 8ft arm	
32	304+16.67	10.21 R	130	17819	Single fixture with 8ft arm	
33	1208+76.45	76.45 L	130	17819	Single fixture with 8ft arm	
34	1199+00.00	78.47 L	130	17819	Single fixture with 8ft arm	
35	1197+50.00	79.85 L	130	17819	Single fixture with 8ft arm	
36	1196+00.00	78.59 L	130	17819	Single fixture with 8ft arm	
37	1194+50.00	72.04 L	130	17819	Single fixture with 8ft arm	
38	1193+00.00	65.91 L	130	17819	Single fixture with 8ft arm	
39	1235+35.22	95.42 L	130	9811	Pole Top	
40	232+33.38	103.90 R	220	284	Pole Top	
41	231+5.53	95.67 R	220	284	Dual Head Pole Top	
42	229+43.72	63.63 R	220	284	Dual Head Pole Top	
43	219+67.11	182.28 L	220	10812	Pole Top	
44	218+21.44	193.03 L	220	10812	Pole Top	
45	216+58.86	142.93 L	220	10812	Pole Top	
46	215+15.02	72.34 L	220	10812	Pole Top	
47	214+28.45	56.92 R	220	17819	Pole Top	
48	1216+25.48	80.12 L	220	17819	Dual Head Pole Top	

NOTES:

1. THE CONTRACTOR SHALL SURVEY AND DOCUMENT ALL LIGHT FIXTURES CONTROLLED BY THE EXISTING LIGHTING CONTACTORS LCA, LCB AND LCC AT NORTH AND SOUTH SERVICE PLAZAS. ALL PARKING LOT AND HIGHWAY LIGHTING LOADS SHALL BE CONNECTED TO CONTACTOR LCA AND LCB, AND THE CONTACTORS SHALL BE CONFIGURED TO 'BY-PASS' MODE FOR NORMAL OPERATION. AFTER LIGHTING CIRCUITS ARE IDENTIFIED AND RECORDED, THE CONTRACTOR SHALL MOVE ALL NON-PARKING LOT AND HIGHWAY LIGHTING CIRCUITS TO LCA. LCA SHALL REMAIN ON THE MASTER PHOTOCONTROL. PARKING LOT AND HIGHWAY LIGHTING SHALL HAVE AUTHORITY PROVIDE INDIVIDUAL PHOTOCONTROL UNITS INSTALLED, THE CONTRACTOR SHALL REMOVE ALL SHORTING CAPS AND RETURN THEM TO THE AUTHORITY. THIS WORK SHALL NOT BE PAID SEPARATELY AND SHALL BE INCIDENTAL TO THE LIGHTING WIRING WORK.

Filename: 00X_LightingDet2.dwg

Scale:		Designed by:																									
		HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909																									
<table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>No.</th> <th>Revision</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr><td> </td><td> </td><td> </td><td> </td></tr> <tr><td> </td><td> </td><td> </td><td> </td></tr> </tbody> </table>		No.	Revision	By	Date									CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E. <table border="1" style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th>By</th> <th>Date</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>MDC 10\19</td> <td>Checked</td> <td>MS 10\19</td> </tr> <tr> <td>Drawn</td> <td>MDC 10\19</td> <td>In Charge of</td> <td>RAL 10\19</td> </tr> </tbody> </table>		By	Date	By	Date	Designed	MDC 10\19	Checked	MS 10\19	Drawn	MDC 10\19	In Charge of	RAL 10\19
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		THE GOLD STAR MEMORIAL HIGHWAY																									
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.		KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB LIGHTING DETAILS 2 SHEET NUMBER: LGT-03																									
CONTRACT: 2019.02		89 OF 158																									



Date: 10/23/2019

- NOTES:**
- FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01. SEE DRAWING LGT-03 FOR LIGHTING SCHEDULE.
 - CAUTION SHOULD BE TAKEN WHEN PLACING NEW CONDUITS BETWEEN STA. 1215+00 +/- AND STA. 1230+00 +/-, AS THERE ARE SEVERAL EXISTING PIPES AND ELECTRIC CONDUITS IN THE AREA.
 - DISCONNECT INDICATED CIRCUITS FROM ALL LIGHT STANDARDS AND REMOVE WIRING BACK TO FIRST JUNCTION BOX AT BUILDING. CIRCUIT TO BE RE-ROUTED AS INDICATED ON PLAN.
 - REMOVE LIGHT POLE AND FOUNDATION FROM LOCATIONS SHOWN ON PLAN. JUNCTION BOXES TO REMAIN. SPLICE AND EXTEND INDICATED LIGHTING CIRCUIT IN EXISTING JUNCTION BOX AND FEED WIRES THROUGH EXISTING CONDUIT.
 - REMOVE LIGHT POLE AND FOUNDATION FROM LOCATIONS SHOWN ON PLAN. JUNCTION BOXES TO REMAIN. SPLICE AND EXTEND INDICATED LIGHTING CIRCUIT IN NEW CONDUIT TO PROPOSED LIGHT POLE LOCATIONS.
 - SPLICE AND EXTEND INDICATED LIGHTING CIRCUIT FROM EXISTING LIGHT POLE IN NEW CONDUIT TO NEW LIGHT POLE LOCATIONS AS INDICATED ON PLAN.
 - DISCONNECT EXISTING LIGHT POLE FROM EXISTING LIGHTING CIRCUIT IN LIGHT POLE JUNCTION BOX AND RECONNECT TO CIRCUIT INDICATED ON PLAN.
 - SPLICE AND EXTEND CIRCUIT 5-7 WITH (2) #2 AWG #6 GND IN NEW 3" CONDUIT TO NEW JUNCTION BOX AS INDICATED ON PLAN.
 - DISCONNECT EXISTING LIGHT POLE FROM CIRCUIT AT LOCATION SHOWN ON PLAN. JUNCTION BOX TO REMAIN. SPLICE CIRCUIT IF NECESSARY TO CONTINUE THROUGH JUNCTION BOX. REMOVE LIGHT POLE AND FOUNDATION.
 - PROPOSED CIRCUITS TO BE INSTALLED IN EXISTING RACEWAYS FROM JUNCTION BOX(ES) AT EXTERIOR OF BUILDING TO LIGHTING PANEL IN MECHANICAL ROOM.
 - CONDUIT RUNS NEAR THE PLAZA BUILDING UNDER SIDEWALK ARE DIRECTIONALLY DRILLED HDPE. CONDUIT WILL USE A COUPLER FITTING FOR TRANSITIONS. CONDUIT UNDER PAVEMENT IS TRENCHED AND PATCHED UNLESS OTHERWISE NOTED.
 - FURNISH AND INSTALL EXPANSION/DEFLECTION FITTINGS FOR CONDUITS BETWEEN LIGHT POLES 24-27. SEE GENERAL NOTES ON DWG LGT-01.
 - ALL EXISTING, RELOCATED, AND NEW LUMINAIRES SHALL BE FITTED WITH A PHOTOCONTROL RECEPTACLE.

Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	MDC	10\19		MS	10\19
Drawn	MDC	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

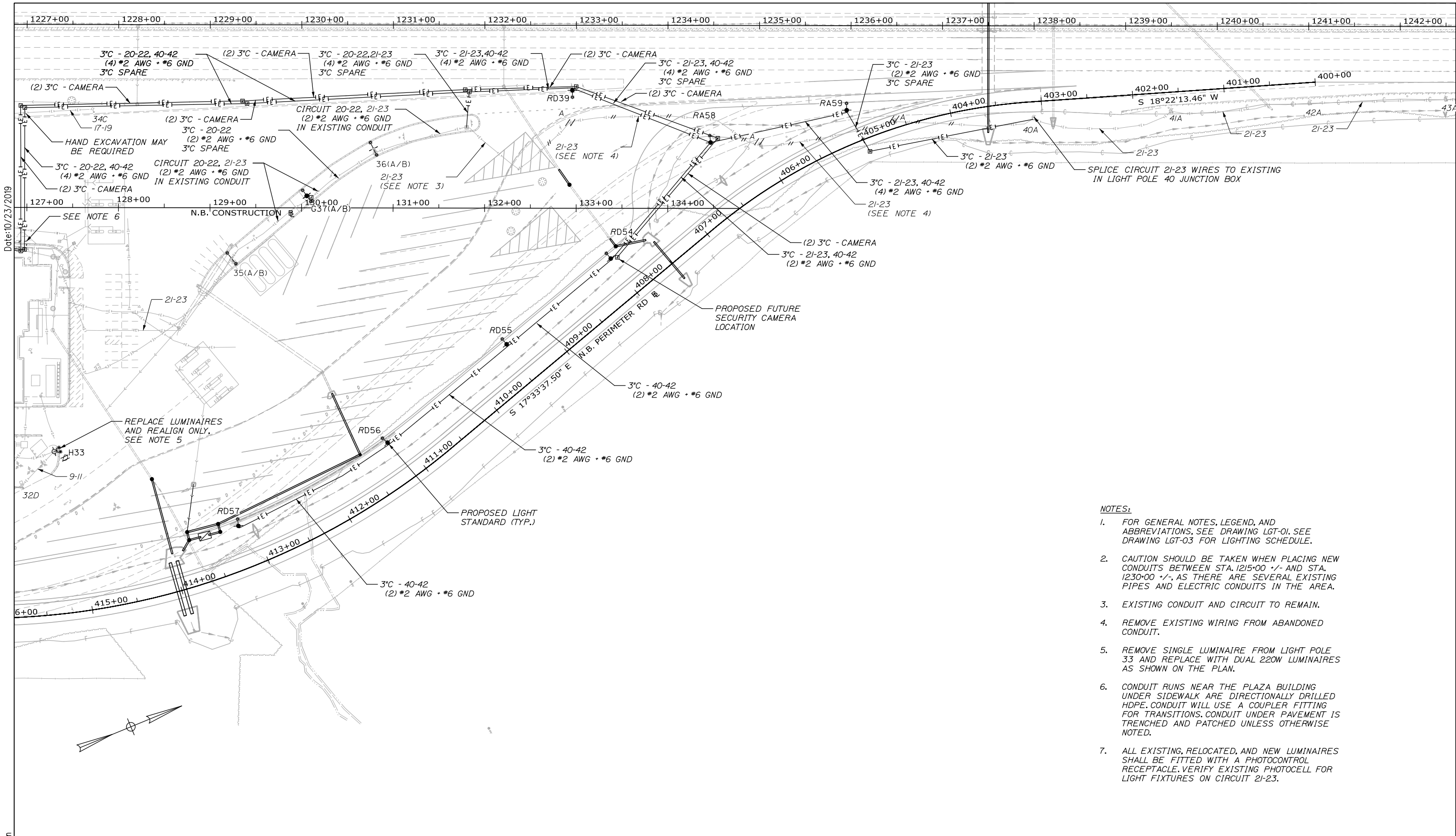
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

LIGHTING PLAN 1
NORTHBOUND PLAZA

SHEET NUMBER: LGT-04
90 OF 158

CONTRACT: 2019.02



Date: 10/23/2019

- NOTES:**
- FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01. SEE DRAWING LGT-03 FOR LIGHTING SCHEDULE.
 - CAUTION SHOULD BE TAKEN WHEN PLACING NEW CONDUITS BETWEEN STA. 1215+00 +/- AND STA. 1230+00 +/-, AS THERE ARE SEVERAL EXISTING PIPES AND ELECTRIC CONDUITS IN THE AREA.
 - EXISTING CONDUIT AND CIRCUIT TO REMAIN.
 - REMOVE EXISTING WIRING FROM ABANDONED CONDUIT.
 - REMOVE SINGLE LUMINAIRE FROM LIGHT POLE 33 AND REPLACE WITH DUAL 220W LUMINAIRES AS SHOWN ON THE PLAN.
 - CONDUIT RUNS NEAR THE PLAZA BUILDING UNDER SIDEWALK ARE DIRECTIONALLY DRILLED HDPE. CONDUIT WILL USE A COUPLER FITTING FOR TRANSITIONS. CONDUIT UNDER PAVEMENT IS TRENCHED AND PATCHED UNLESS OTHERWISE NOTED.
 - ALL EXISTING, RELOCATED, AND NEW LUMINAIRES SHALL BE FITTED WITH A PHOTOCONTROL RECEPTACLE. VERIFY EXISTING PHOTOCELL FOR LIGHT FIXTURES ON CIRCUIT 21-23.

Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

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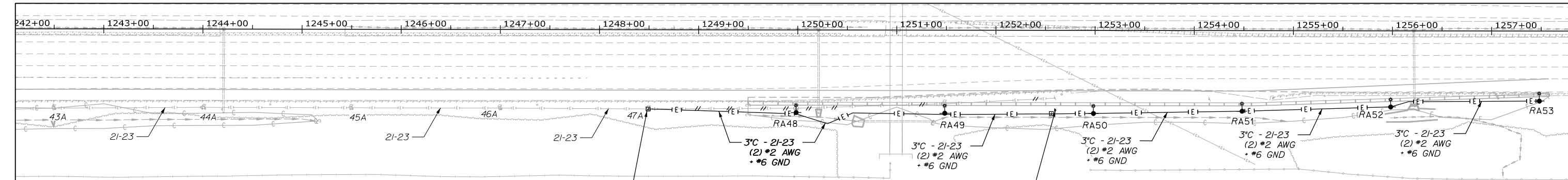
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

LIGHTING PLAN 2
NORTHBOUND PLAZA

SHEET NUMBER: LGT-05
91 OF 158

CONTRACT: 2019.02

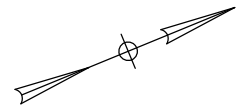


DISCONNECT WIRES FROM EXISTING LIGHT POLES 48 & 49. REMOVE AND RELOCATE POLES 48, 49, AND SPEED LIMIT SIGN. INSTALL NEW LIGHT POLES AND NEW 3\"/>

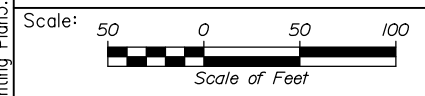
RELOCATED EXISTING 45MPH SPEED LIMIT SIGN. CONNECT TO LIGHTING CIRCUIT 21-23 (24-HOUR) AND CONTINUE CIRCUIT TO NEXT LIGHT POLE.

NOTES:
 1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01. SEE DRAWING LGT-03 FOR LIGHTING SCHEDULE.

Date: 10/23/2019



Filename: 00X_Lighting Plan.3.dgn



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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

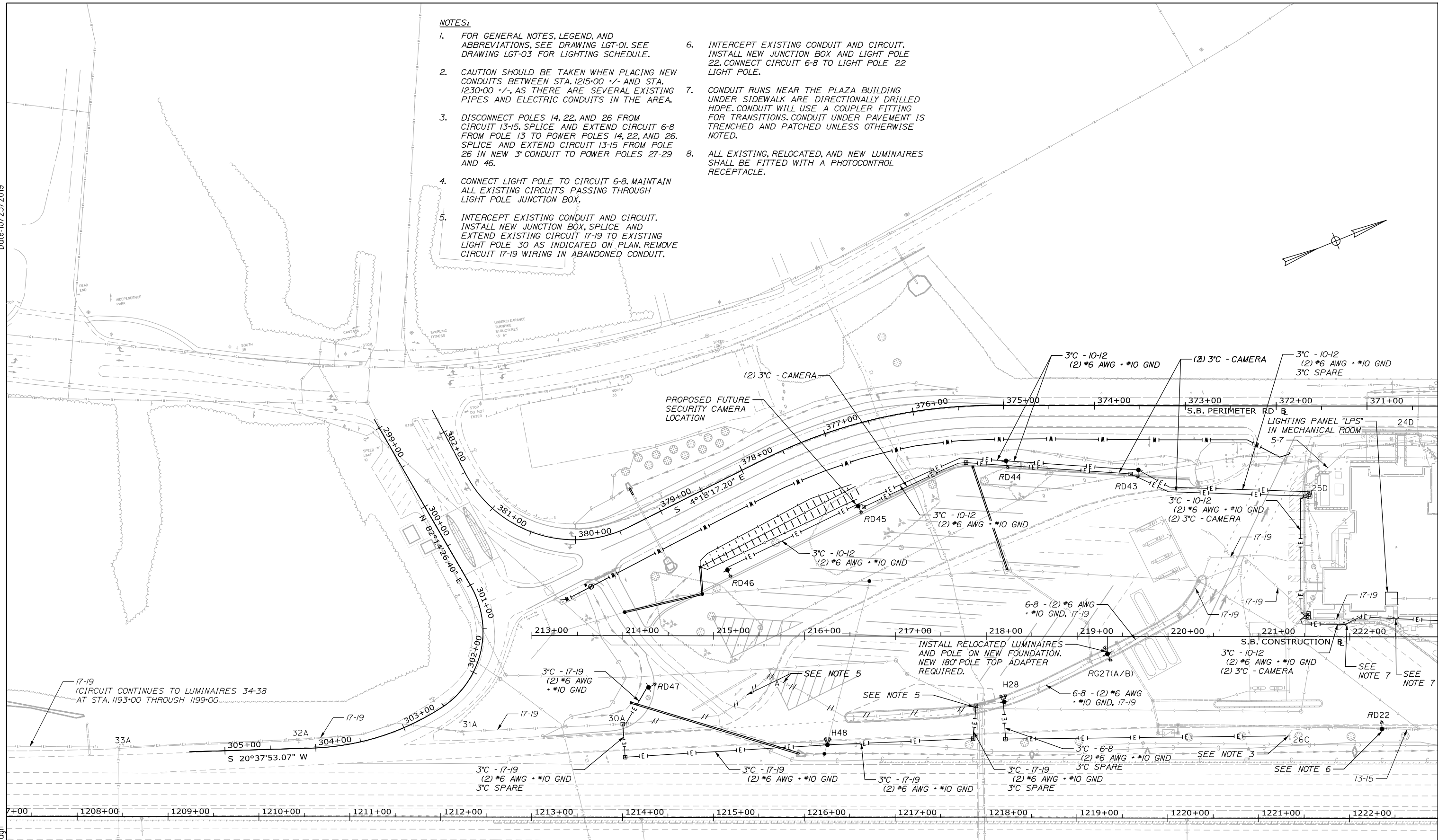
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 LIGHTING PLAN 3
 NORTHBOUND PLAZA

SHEET NUMBER: LGT-06
 CONTRACT: 2019.02
 92 OF 158

Date: 10/23/2019

NOTES:

1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01, SEE DRAWING LGT-03 FOR LIGHTING SCHEDULE.
2. CAUTION SHOULD BE TAKEN WHEN PLACING NEW CONDUITS BETWEEN STA. 1215+00 +/- AND STA. 1230+00 +/-, AS THERE ARE SEVERAL EXISTING PIPES AND ELECTRIC CONDUITS IN THE AREA.
3. DISCONNECT POLES 14, 22, AND 26 FROM CIRCUIT 13-15. SPLICE AND EXTEND CIRCUIT 6-8 FROM POLE 13 TO POWER POLES 14, 22, AND 26. SPLICE AND EXTEND CIRCUIT 13-15 FROM POLE 26 IN NEW 3" CONDUIT TO POWER POLES 27-29 AND 46.
4. CONNECT LIGHT POLE TO CIRCUIT 6-8. MAINTAIN ALL EXISTING CIRCUITS PASSING THROUGH LIGHT POLE JUNCTION BOX.
5. INTERCEPT EXISTING CONDUIT AND CIRCUIT. INSTALL NEW JUNCTION BOX, SPLICE AND EXTEND EXISTING CIRCUIT 17-19 TO EXISTING LIGHT POLE 30 AS INDICATED ON PLAN. REMOVE CIRCUIT 17-19 WIRING IN ABANDONED CONDUIT.
6. INTERCEPT EXISTING CONDUIT AND CIRCUIT. INSTALL NEW JUNCTION BOX AND LIGHT POLE 22. CONNECT CIRCUIT 6-8 TO LIGHT POLE 22 LIGHT POLE.
7. CONDUIT RUNS NEAR THE PLAZA BUILDING UNDER SIDEWALK ARE DIRECTIONALLY DRILLED HDPE. CONDUIT WILL USE A COUPLER FITTING FOR TRANSITIONS. CONDUIT UNDER PAVEMENT IS TRENCHED AND PATCHED UNLESS OTHERWISE NOTED.
8. ALL EXISTING, RELOCATED, AND NEW LUMINAIRES SHALL BE FITTED WITH A PHOTOCONTROL RECEPTACLE.



Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date


Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

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Drawn	MDC	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
LIGHTING PLAN 4
SOUTHBOUND PLAZA

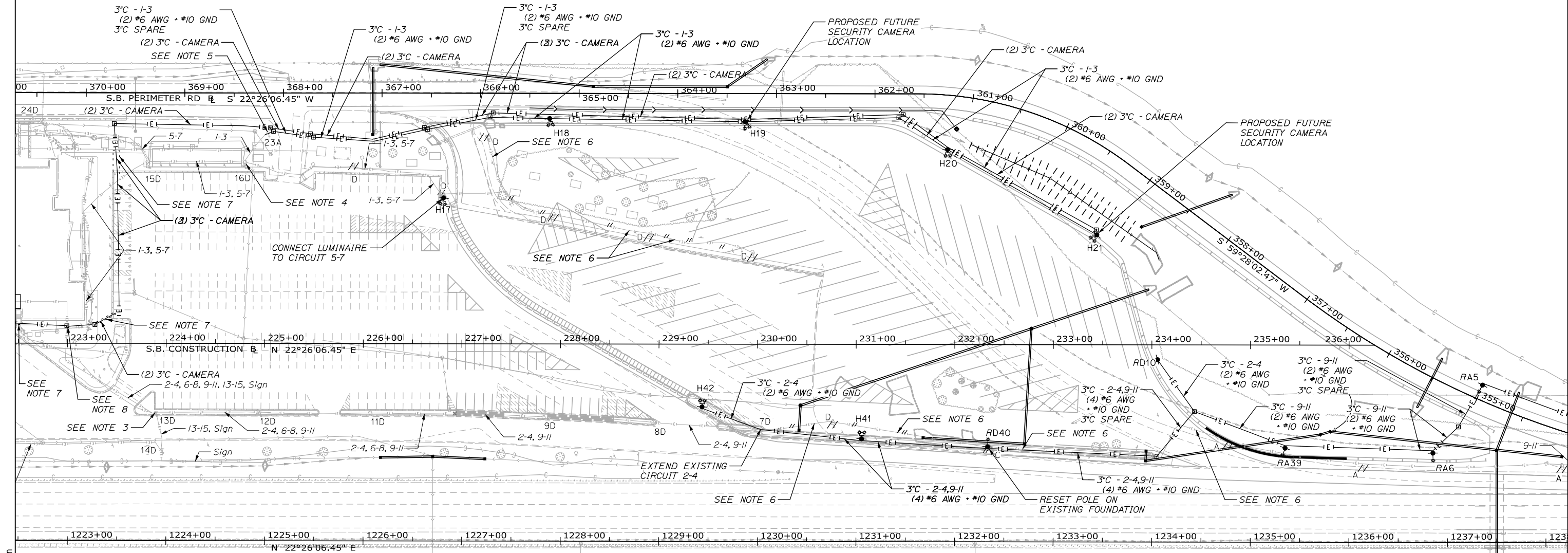
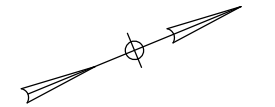
SHEET NUMBER: LGT-07
93 OF 158

CONTRACT: 2019.02

Filename: 00X_Lighting Plan4.dgn

NOTES:

- FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01. SEE DRAWING LGT-03 FOR LIGHTING SCHEDULE.
- CAUTION SHOULD BE TAKEN WHEN PLACING NEW CONDUITS BETWEEN STA. 1215+00 +/- AND STA. 1230+00 +/-, AS THERE ARE SEVERAL EXISTING PIPES AND ELECTRIC CONDUITS IN THE AREA.
- DISCONNECT POLES 14, 22, AND 26 FROM CIRCUIT 13-15. SPLICE AND EXTEND CIRCUIT 6-8 FROM POLE 13 TO POWER POLES 14, 22, AND 26. SPLICE AND EXTEND CIRCUIT 13-15 FROM POLE 26 IN NEW 3" CONDUIT TO POWER POLES 27-29 AND 46.
- PULL CIRCUIT 1-3 FROM ABANDONED CONDUIT BACK TO LIGHT POLE 16 AND REMOVE.
- SPLICE AND EXTEND CIRCUIT 1-3 AT LIGHT POLE 23, AS SHOWN ON PLAN, TO LIGHT POLES 18-21.
- AFTER CIRCUIT IS NO LONGER ACTIVE, PULL BACK WIRING TO LIGHT POLE 7 AND REMOVE EXISTING WIRING FROM ABANDONED CONDUIT.
- CONDUIT RUNS NEAR THE PLAZA BUILDING UNDER SIDEWALK ARE DIRECTIONALLY DRILLED HDPE. CONDUIT WILL USE A COUPLER FITTING FOR TRANSITIONS. CONDUIT UNDER PAVEMENT IS TRENCHED AND PATCHED UNLESS OTHERWISE NOTED.
- PROPOSED CIRCUITS TO BE INSTALLED IN EXISTING RACEWAYS FROM JUNCTION BOXES) AT EXTERIOR OF BUILDING TO LIGHTING PANEL IN MECHANICAL ROOM.
- ALL EXISTING, RELOCATED, AND NEW LUMINAIRES SHALL BE FITTED WITH A PHOTOCONTROL RECEPTACLE.



Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

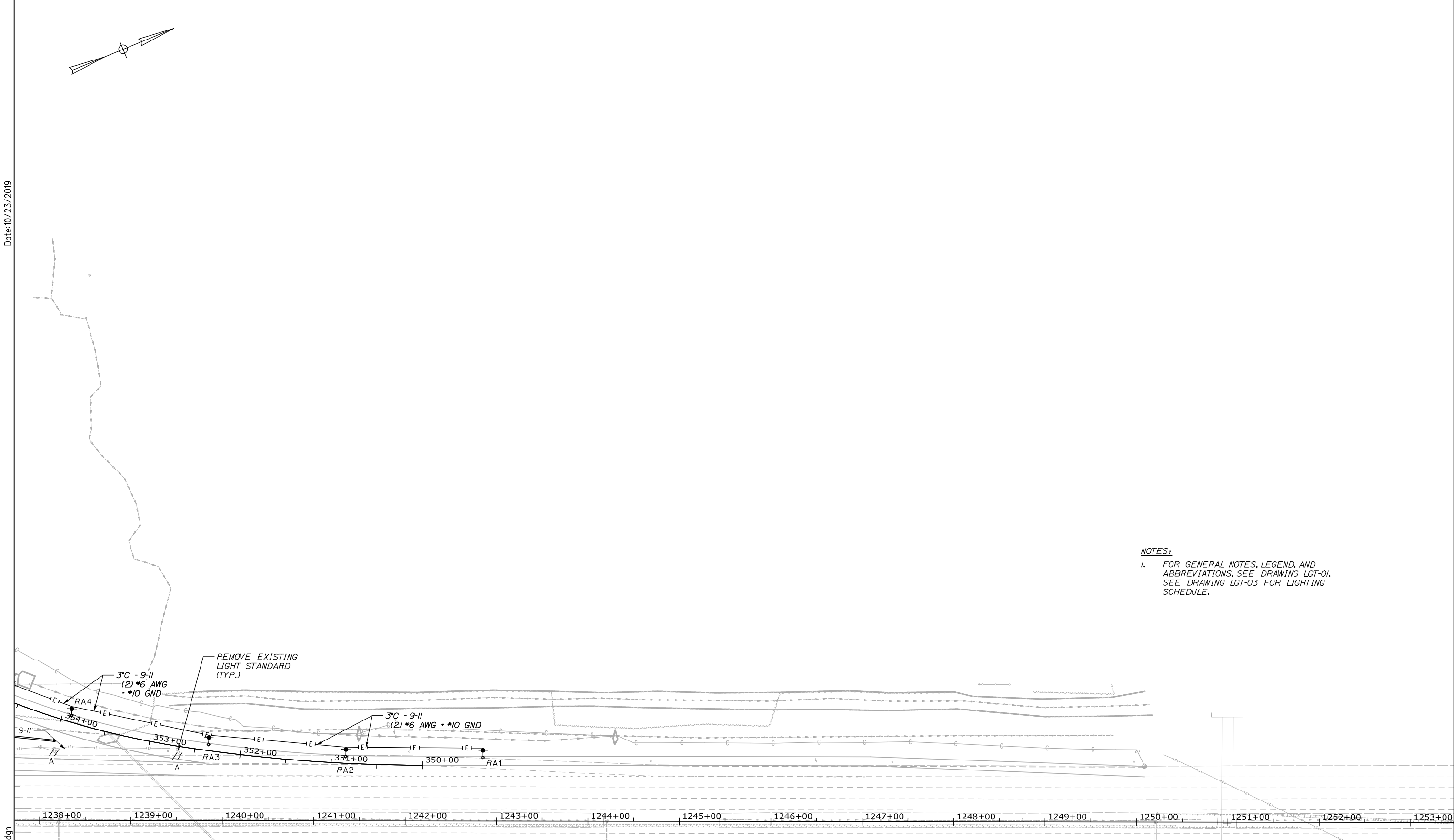
LIGHTING PLAN 5
SOUTHBOUND PLAZA

SHEET NUMBER: LGT-08
CONTRACT: 2019.02
94 OF 158

Date: 10/23/2019

Filename: 00X_Lighting Plans.dgn

Date: 10/23/2019



NOTES:
 1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01. SEE DRAWING LGT-03 FOR LIGHTING SCHEDULE.

Scale: 50 0 50 100
 Scale of Feet

No.	Revision	By	Date

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

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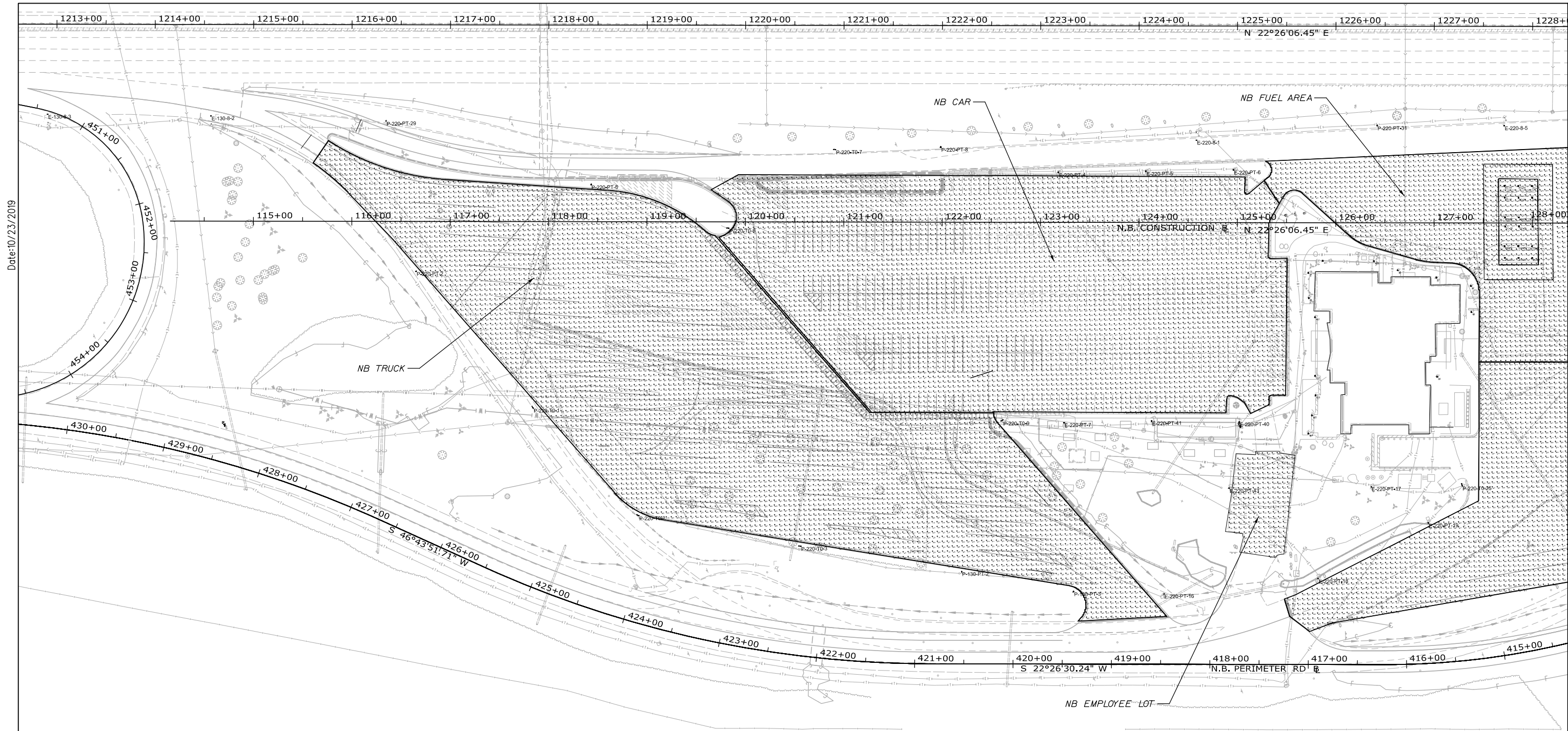
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 LIGHTING PLAN 6
 SOUTHBOUND PLAZA

SHEET NUMBER: LGT-09
 CONTRACT: 2019.02
 95 OF 158

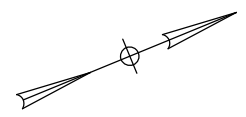
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Date: 10/23/2019

Statistics					
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NB Car	+	1.60 fc	5.00 fc	0.50 fc	10.0:1
NB Employee Lot	+	1.85 fc	2.88 fc	1.14 fc	2.5:1
NB Fuel Area	+	1.58 fc	6.41 fc	0.52 fc	12.3:1
NB Truck	+	1.39 fc	4.98 fc	0.50 fc	10.0:1

NOTES:
 1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01.



Scale: 50 0 50 100
Scale of Feet

No.	Revision	By	Date

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
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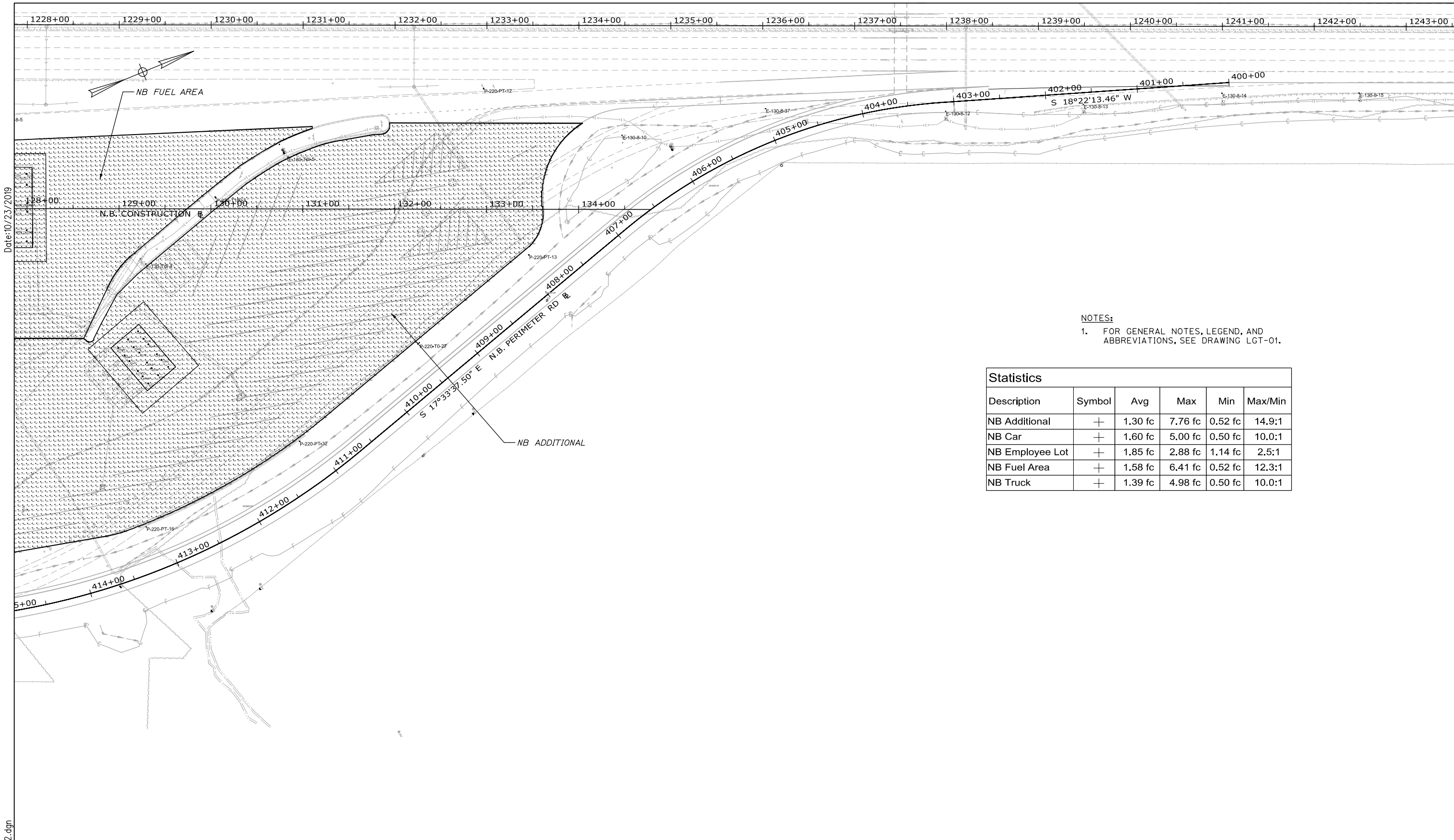
**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 PHOTOMETRY PLAN 1
 NORTHBOUND PLAZA

SHEET NUMBER: LGT-10
 CONTRACT: 2019.02
 96 OF 158

Filename: 00X_Photometry Plan1.dgn

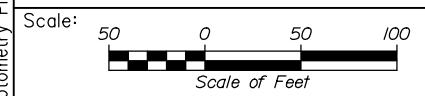


NOTES:
 1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01.

Statistics					
Description	Symbol	Avg	Max	Min	Max/Min
NB Additional	+	1.30 fc	7.76 fc	0.52 fc	14.9:1
NB Car	+	1.60 fc	5.00 fc	0.50 fc	10.0:1
NB Employee Lot	+	1.85 fc	2.88 fc	1.14 fc	2.5:1
NB Fuel Area	+	1.58 fc	6.41 fc	0.52 fc	12.3:1
NB Truck	+	1.39 fc	4.98 fc	0.50 fc	10.0:1

Date: 10/23/2019

Filename: 00X_Photometry Plan2.dgn



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	MDC	10\19	Checked	MS	10\19
Drawn	MDC	10\19	In Charge of	RAL	10\19

HNTB CORPORATION
 340 County Road, Suite 6-C
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 TEL (207) 774-5155
 FAX (207) 228-0909

**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 PHOTOMETRY PLAN 2
 NORTHBOUND PLAZA

SHEET NUMBER: LGT-11

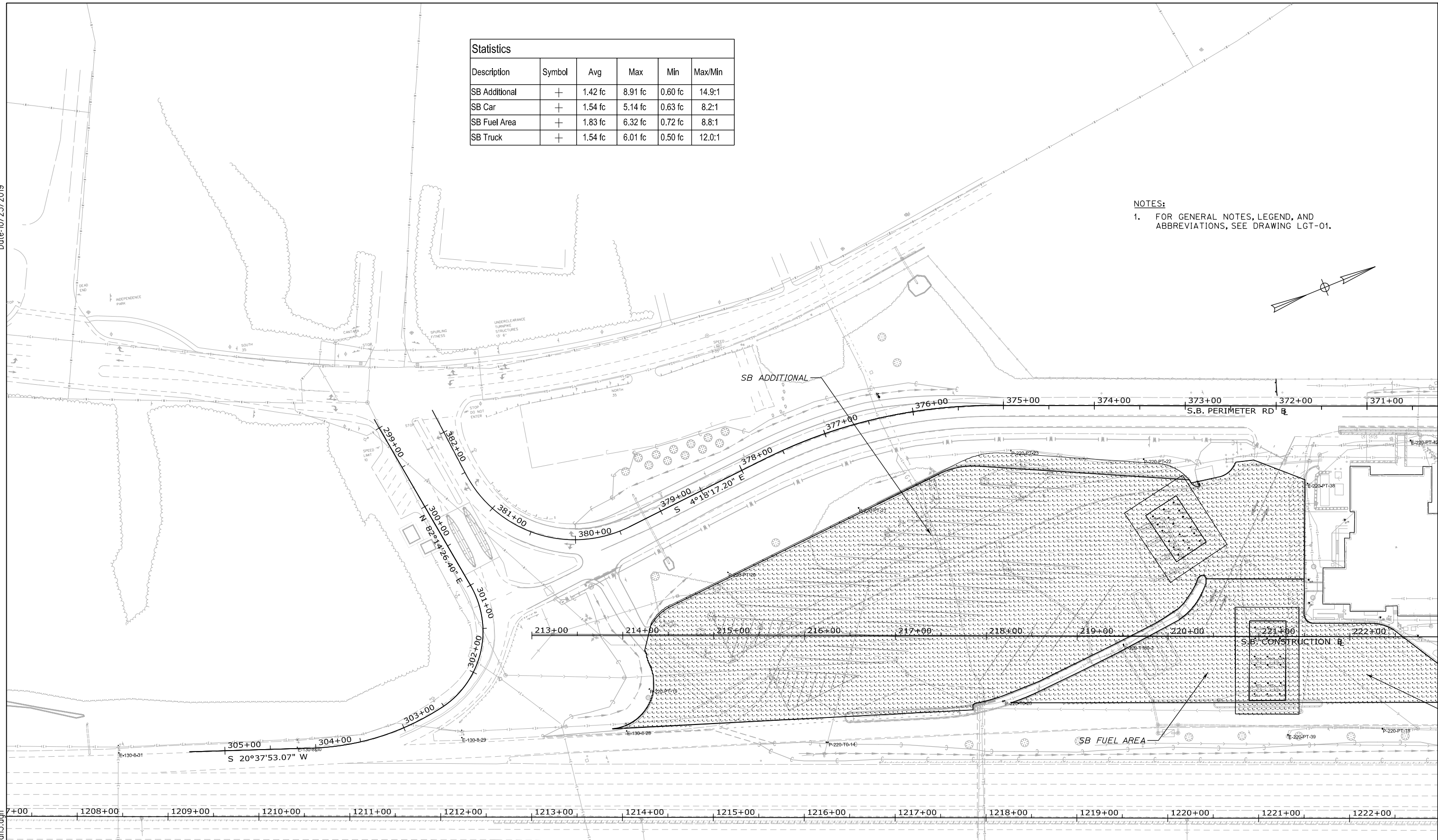
CONTRACT: 2019.02

97 OF 158

Date: 10/25/2019

Statistics					
Description	Symbol	Avg	Max	Min	Max/Min
SB Additional	+	1.42 fc	8.91 fc	0.60 fc	14.9:1
SB Car	+	1.54 fc	5.14 fc	0.63 fc	8.2:1
SB Fuel Area	+	1.83 fc	6.32 fc	0.72 fc	8.8:1
SB Truck	+	1.54 fc	6.01 fc	0.50 fc	12.0:1

NOTES:
 1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01.



Filename: 00X_Photometry Plan.3.dgn

Scale:

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	MDC	10\19	Checked	MS	10\19
Drawn	MDC	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

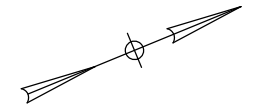
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 PHOTOMETRY PLAN 3
 SOUTHBOUND PLAZA

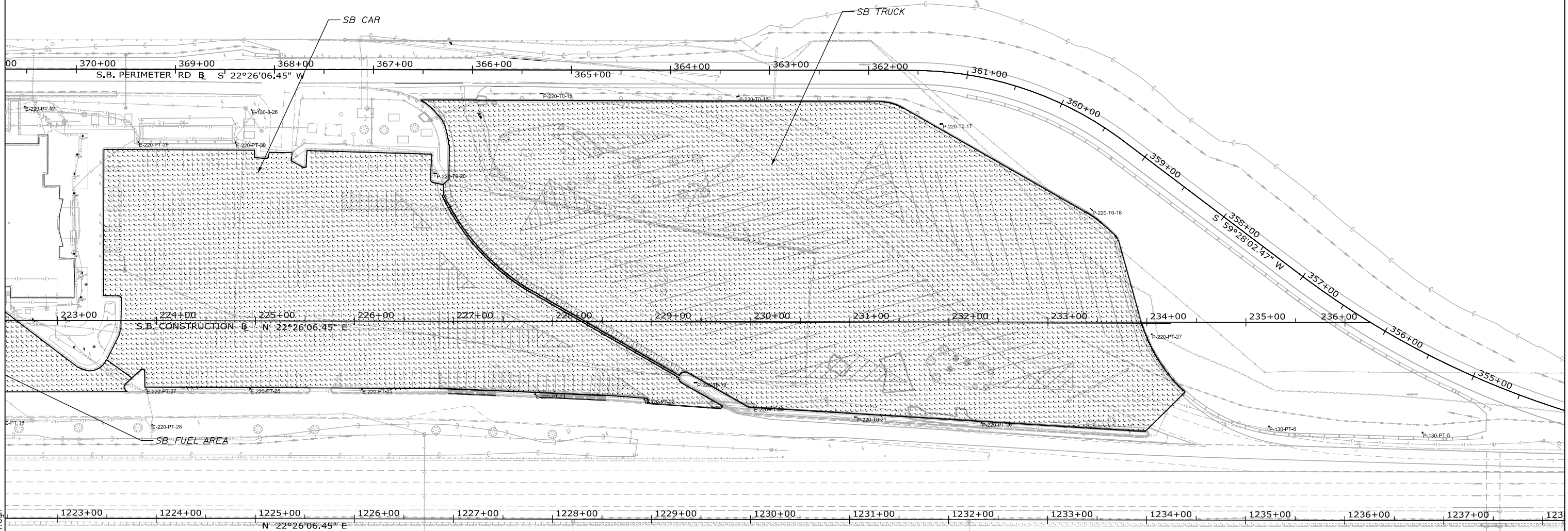
SHEET NUMBER: LGT-12
 98 OF 158

CONTRACT: 2019.02

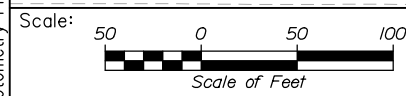
Statistics					
Description	Symbol	Avg	Max	Min	Max/Min
SB Additional	+	1.42 fc	8.91 fc	0.60 fc	14.9:1
SB Car	+	1.54 fc	5.14 fc	0.63 fc	8.2:1
SB Fuel Area	+	1.83 fc	6.32 fc	0.72 fc	8.8:1
SB Truck	+	1.54 fc	6.01 fc	0.50 fc	12.0:1



NOTES:
 1. FOR GENERAL NOTES, LEGEND, AND ABBREVIATIONS, SEE DRAWING LGT-01.



Filename: 00X_Photometry Plan4.dgn



Designed by:



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THE GOLD STAR
 MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 PHOTOMETRY PLAN 4
 SOUTHBOUND PLAZA

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	MDC	10\19	Checked	MS	10\19
Drawn	MDC	10\19	In Charge of	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

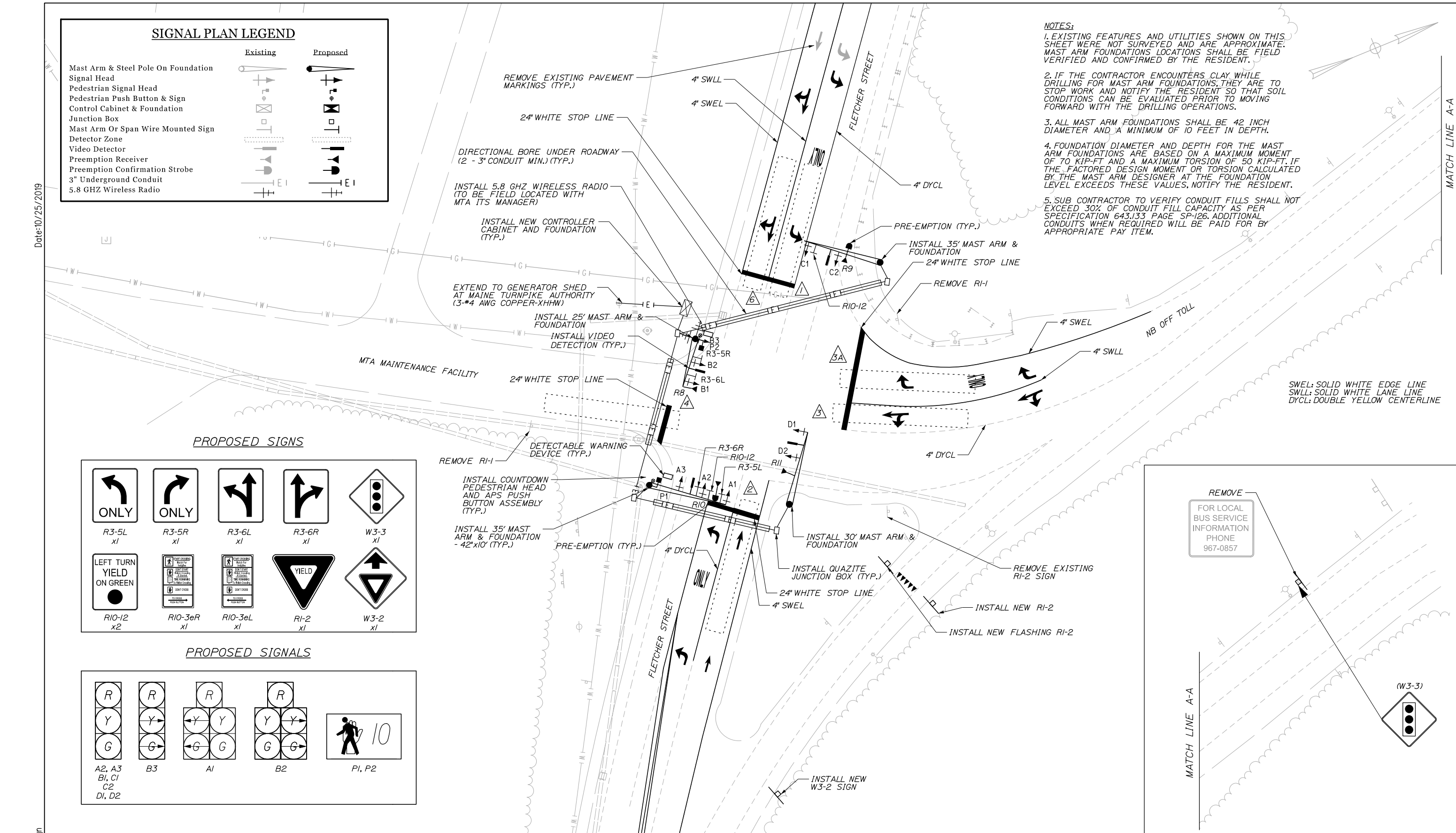
SHEET NUMBER: LGT-13
 99 OF 158

SIGNAL PLAN LEGEND

	Existing	Proposed
Mast Arm & Steel Pole On Foundation		
Signal Head		
Pedestrian Signal Head		
Pedestrian Push Button & Sign		
Control Cabinet & Foundation		
Junction Box		
Mast Arm Or Span Wire Mounted Sign		
Detector Zone		
Video Detector		
Preemption Receiver		
Preemption Confirmation Strobe		
3" Underground Conduit		
5.8 GHZ Wireless Radio		

- NOTES:**
- EXISTING FEATURES AND UTILITIES SHOWN ON THIS SHEET WERE NOT SURVEYED AND ARE APPROXIMATE. MAST ARM FOUNDATIONS LOCATIONS SHALL BE FIELD VERIFIED AND CONFIRMED BY THE RESIDENT.
 - IF THE CONTRACTOR ENCOUNTERS CLAY WHILE DRILLING FOR MAST ARM FOUNDATIONS, THEY ARE TO STOP WORK AND NOTIFY THE RESIDENT SO THAT SOIL CONDITIONS CAN BE EVALUATED PRIOR TO MOVING FORWARD WITH THE DRILLING OPERATIONS.
 - ALL MAST ARM FOUNDATIONS SHALL BE 42 INCH DIAMETER AND A MINIMUM OF 10 FEET IN DEPTH.
 - FOUNDATION DIAMETER AND DEPTH FOR THE MAST ARM FOUNDATIONS ARE BASED ON A MAXIMUM MOMENT OF 70 KIP-FT AND A MAXIMUM TORSION OF 50 KIP-FT. IF THE FACTORED DESIGN MOMENT OR TORSION CALCULATED BY THE MAST ARM DESIGNER AT THE FOUNDATION LEVEL EXCEEDS THESE VALUES, NOTIFY THE RESIDENT.
 - SUB CONTRACTOR TO VERIFY CONDUIT FILLS SHALL NOT EXCEED 30% OF CONDUIT FILL CAPACITY AS PER SPECIFICATION 643.133 PAGE SP-126. ADDITIONAL CONDUITS WHEN REQUIRED WILL BE PAID FOR BY APPROPRIATE PAY ITEM.

Date: 10/25/2019



PROPOSED SIGNS

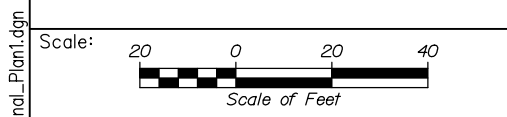
R3-5L x1	R3-5R x1	R3-6L x1	R3-6R x1	W3-3 x1
R10-12 x2	R10-3eR x1	R10-3eL x1	R1-2 x1	W3-2 x1

PROPOSED SIGNALS

A2, A3 B1, C1 C2, D2	B3	A1	B2	P1, P2

SWEL: SOLID WHITE EDGE LINE
 SWLL: SOLID WHITE LANE LINE
 DYCL: DOUBLE YELLOW CENTERLINE

REMOVE
 FOR LOCAL
 BUS SERVICE
 INFORMATION
 PHONE
 967-0857



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

No.	Revision	By	Date

	By	Date		By	Date
Designed	ARG	9/19	Checked	RBM	9/19
Drawn	WAD	9/19	In Charge of	RAL	9/19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

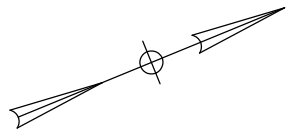
SIGNAL PLAN 1

SHEET NUMBER: SGNL-01
 100 OF 158

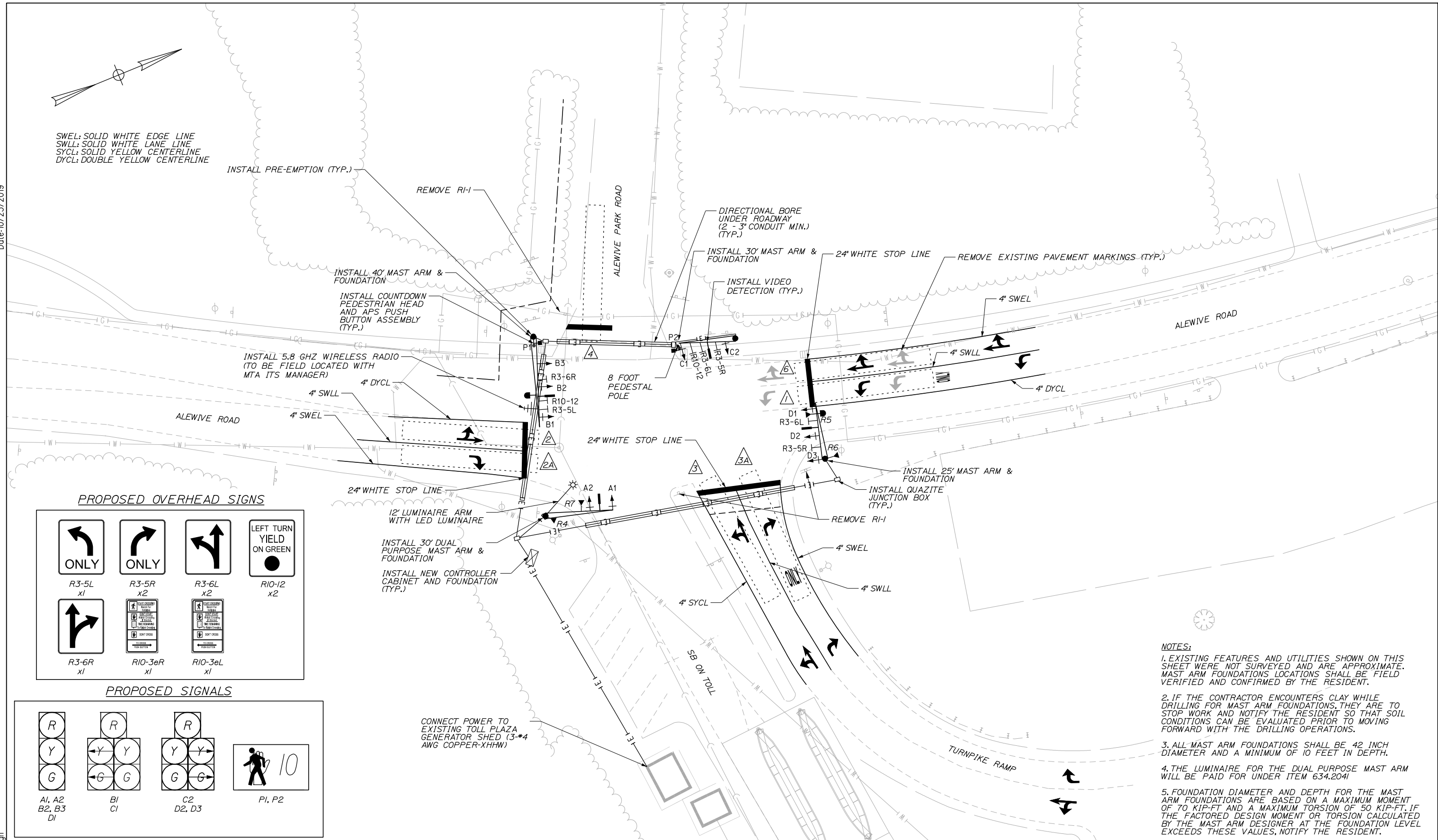
CONTRACT: 2019.02

Filename: 00X_Signal_Plan1.dgn

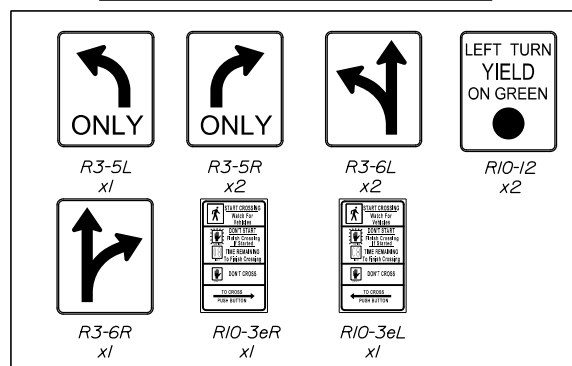
SWEL: SOLID WHITE EDGE LINE
 SWLL: SOLID WHITE LANE LINE
 SYCL: SOLID YELLOW CENTERLINE
 DYCL: DOUBLE YELLOW CENTERLINE



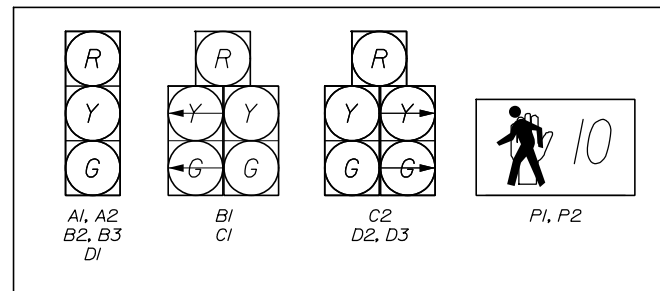
Date: 10/23/2019



PROPOSED OVERHEAD SIGNS

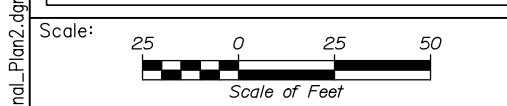


PROPOSED SIGNALS



CONNECT POWER TO EXISTING TOLL PLAZA GENERATOR SHED (3-#4 AWG COPPER-XHHW)

- NOTES:**
- EXISTING FEATURES AND UTILITIES SHOWN ON THIS SHEET WERE NOT SURVEYED AND ARE APPROXIMATE. MAST ARM FOUNDATIONS LOCATIONS SHALL BE FIELD VERIFIED AND CONFIRMED BY THE RESIDENT.
 - IF THE CONTRACTOR ENCOUNTERS CLAY WHILE DRILLING FOR MAST ARM FOUNDATIONS, THEY ARE TO STOP WORK AND NOTIFY THE RESIDENT SO THAT SOIL CONDITIONS CAN BE EVALUATED PRIOR TO MOVING FORWARD WITH THE DRILLING OPERATIONS.
 - ALL MAST ARM FOUNDATIONS SHALL BE 42 INCH DIAMETER AND A MINIMUM OF 10 FEET IN DEPTH.
 - THE LUMINAIRE FOR THE DUAL PURPOSE MAST ARM WILL BE PAID FOR UNDER ITEM 634.204I
 - FOUNDATION DIAMETER AND DEPTH FOR THE MAST ARM FOUNDATIONS ARE BASED ON A MAXIMUM MOMENT OF 70 KIP-FT AND A MAXIMUM TORSION OF 50 KIP-FT. IF THE FACTORED DESIGN MOMENT OR TORSION CALCULATED BY THE MAST ARM DESIGNER AT THE FOUNDATION LEVEL EXCEEDS THESE VALUES, NOTIFY THE RESIDENT.



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

No.	Revision	By	Date

By	Date	By	Date
Designed ARG	9/19	Checked RBM	9/19
Drawn WAD	9/19	In Charge of RAL	9/19

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

SIGNAL PLAN 2

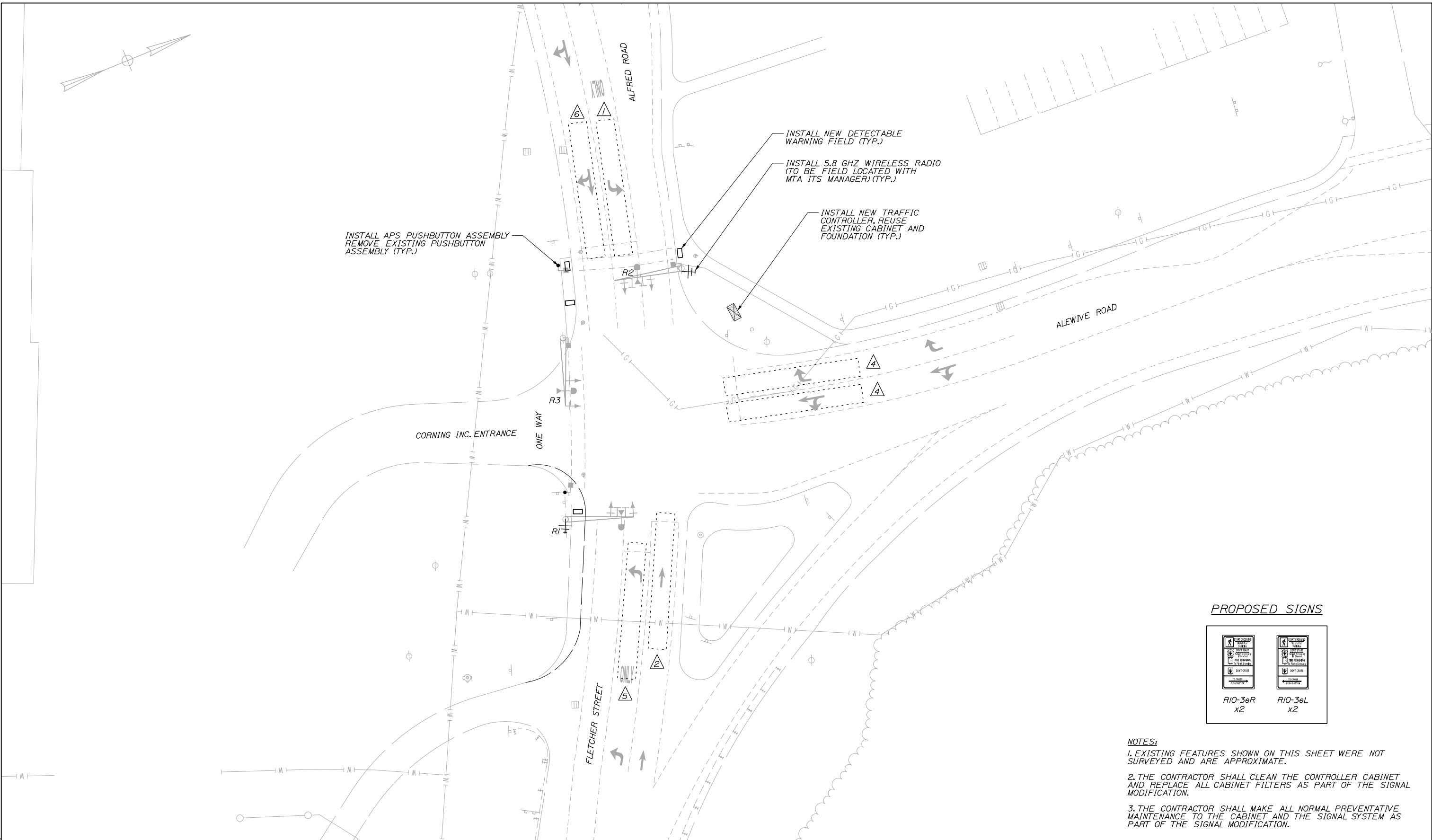
SHEET NUMBER: SGNL-02
 101 OF 158

CONTRACT: 2019.02

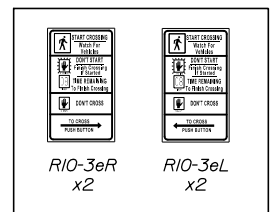
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

Filename: 00X_Signal_Plan2.dgn

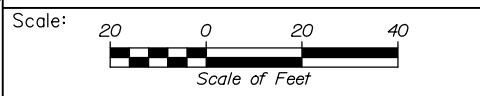
Date:10/23/2019



PROPOSED SIGNS



- NOTES:**
- EXISTING FEATURES SHOWN ON THIS SHEET WERE NOT SURVEYED AND ARE APPROXIMATE.
 - THE CONTRACTOR SHALL CLEAN THE CONTROLLER CABINET AND REPLACE ALL CABINET FILTERS AS PART OF THE SIGNAL MODIFICATION.
 - THE CONTRACTOR SHALL MAKE ALL NORMAL PREVENTATIVE MAINTENANCE TO THE CABINET AND THE SIGNAL SYSTEM AS PART OF THE SIGNAL MODIFICATION.



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	ARG	9/19	Checked	RBM	9/19
Drawn	WAD	9/19	In Charge of	RAL	9/19

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB

SIGNAL PLAN 3

SHEET NUMBER: SGNL-03
 102 OF 158

CONTRACT:2019.02

Filename: 00X_Signal_Plan3.dgn

PROPOSED SIGNAL TIMING TABLES

FREE OPERATIONS-CYCLE LENGTH-80							
I-95 SB & ALEWIVE RD	ALEWIVE ROAD SB L	ALEWIVE ROAD NB LTR	I-95 SB RAMP WB TR	ALEWIVE PK ROAD EB LTR	ALEWIVE ROAD SB TR	-	-
PHASE	1	2	3	4	5	6	7
INITIAL INTERVAL	5.0	5.0	5.0	5.0	-	5.0	-
VEHICLE EXTENSION	3.0	3.0	3.0	3.0	-	3.0	-
MAXIMUM 1 AM	8.0	18.0	25.0	5.0	-	32.0	-
MAXIMUM 2 PM	5.0	12.0	34.0	5.0	-	23.0	-
YELLOW	4.0	4.0	4.0	4.0	-	4.0	-
ALL RED	2.0	2.0	2.0	2.0	-	2.0	-
WALK INTERVAL	-	-	-	-	-	7.0	-
PED. CLEARANCE	-	-	-	-	-	15.0	-
RECALL	NONE	S	NONE	NONE	-	S	-
DETECTOR OPERATION	PR	PR	PR	PR	-	PR	-
FLASH	R	Y	R	R	-	Y	-

FREE OPERATIONS-CYCLE LENGTH-100							
ALEWIVE RD & ALFRED RD	ALFRED ROAD EB L	ALFRED ROAD WB TR	-	ALEWIVE ROAD SB LTR	ALFRED ROAD WB L	ALFRED ROAD EB LTR	-
PHASE	1	2	3	4	5	6	7
INITIAL INTERVAL	5.0	5.0	-	5.0	5.0	5.0	-
VEHICLE EXTENSION	3.0	3.0	-	3.0	3.0	3.0	-
MAXIMUM 1 AM	5.0	31.0	-	46.0	5.0	31.0	-
MAXIMUM 2 PM	5.0	35.0	-	42.0	5.0	35.0	-
YELLOW	4.0	4.0	-	4.0	4.0	4.0	-
ALL RED	2.0	2.0	-	2.0	2.0	2.0	-
WALK INTERVAL	-	-	-	-	-	7.0	-
PED. CLEARANCE	-	-	-	-	-	24.0	-
RECALL	NONE	S	-	NONE	NONE	S	-
DETECTOR OPERATION	PR	PR	-	PR	PR	PR	-
FLASH	R	Y	-	R	R	Y	-

FREE OPERATION-CYCLE LENGTH-90							
I-95 NB & FLETCHER ST	FLETCHER STREET EB L	FLETCHER STREET WB LT	I-95 NB RAMP SB LTR	MTA MAINT. NB LTR	-	FLETCHER STREET EB TR	-
PHASE	1	2	3	4	5	6	7
INITIAL INTERVAL	5.0	5.0	5.0	5.0	-	5.0	-
VEHICLE EXTENSION	3.0	3.0	3.0	3.0	-	3.0	-
MAXIMUM 1 AM	19.0	34.0	8.0	5.0	-	59.0	-
MAXIMUM 2 PM	11.0	40.0	10.0	5.0	-	57.0	-
YELLOW	4.0	4.0	4.0	4.0	-	4.0	-
ALL RED	2.0	2.0	2.0	2.0	-	2.0	-
WALK INTERVAL	-	-	-	-	-	7.0	-
PED. CLEARANCE	-	-	-	-	-	15.0	-
RECALL	NONE	S	NONE	NONE	-	S	-
DETECTOR OPERATION	PR	PR	PR	PR	-	PR	-
FLASH	R	Y	R	R	-	Y	-

NOTES:
 S = SOFT RECALL
 MAX = MAX RECALL
 C-MAX = COORDINATED MAX
 O = RECALL OFF
 CONCURRENT PED CLEARANCE SHALL "FLASH" THROUGH YELLOW
 PR = PRESENCE
 MAX1 = FREE OPERATION
 MAX2 = UNDER COORDINATION
 Y = YELLOW
 R = RED
 D = DARK

NOTES:
 CONCURRENT PED CLEARANCE SHALL "FLASH" THROUGH YELLOW

NOTES:
 CONCURRENT PED CLEARANCE SHALL "FLASH" THROUGH YELLOW

EQUIPMENT AND WORK ITEMS

	FLETCHER AND I-95 NB	ALFRED AND ALEWIVE	ALEWIVE AND I-95 SB
FURNISH AND INSTALL NEW ATC LOW VOLTAGE CONTROLLER CABINET WITH FOUNDATION AND ALL ANCILLARY EQUIPMENT AND WIRING. ECONOLITE PART #ATCC 1032	1	-	1
FURNISH AND INSTALL COBALT CONTROLLER.	-	1	-
FURNISH AND INSTALL 3- AND 5- SECTION 12-INCH YELLOW SIGNAL HEADS WITH LED MODULES, TUNNEL VISORS AND REFLECTORIZED ALUMINUM LOUVERED BACKPLATES MOUNTED ON MAST ARM OR PEDESTAL POST WITH NEW MOUNTING HARDWARE.	3- SECTION: 8 5- SECTION: 2 PEDESTRIAN: 2	-	5
FURNISH AND INSTALL (REPLACE) PEDESTRIAN PUSH BUTTON	-	4	-
FURNISH AND INSTALL NEW SIGNAL CABLE, SIGNAL HEAD WIRING WILL BE CONTINUOUS WIRING FROM CABINET TO MAST ARMS.	LS	-	LS
FURNISH AND INSTALL 3-#4 AWG XHHW CONDUCTOR CABLES FOR SIGNAL POWER AND GROUND.	750 LF	-	600 LF
FURNISH AND INSTALL NEW VIDEO DETECTION SYSTEM 4-HIGH DEFINITION AUTOSCOPE CAMERAS, CONTROL UNIT WITH VIDEO PROCESSOR CARD AND ANCILLARY EQUIPMENT WITH CAPABILITY FOR REMOTE CONTROL AND DATA COLLECTION (ITEM 643.90X)	1	-	1
FURNISH AND INSTALL OPTICOM PREEMPTION SYSTEM WITH 2-48V DC CONFIRMATION STROBES AND RECEIVERS.	1	-	1
FURNISH AND INSTALL 26"X2"X36" QUARTZITE JUNCTION BOX (ITEM 626.12).	4	-	4
FURNISH AND INSTALL NON-METALLIC CONDUIT (ITEM 626.22).	1150 LF	-	1250 LF
FURNISH AND INSTALL NON-METALLIC CONDUIT, HORIZONTAL DIRECTIONAL DRILL (626.211).	400 LF	-	500 LF
INSTALL MTA PROVIDED RADIO COMMUNICATION EQUIPMENT	1	1	1
FURNISH AND INSTALL MAST ARM POLE WITH 25' MAST ARM	1	-	2
FURNISH AND INSTALL MAST ARM POLE WITH 30' MAST ARM	1	-	-
FURNISH AND INSTALL MAST ARM POLE WITH 35' MAST ARM	2	-	-
FURNISH AND INSTALL DUAL PURPOSE ARM WITH 30' MAST ARM AND 12' LUMINAIRE ARM	-	-	1
FURNISH AND INSTALL DUAL PURPOSE ARM WITH 40' MAST ARM AND 12' LUMINAIRE ARM	-	-	1
FURNISH AND INSTALL 42" DIAMETER BY 10' DEEP MAST ARM FOUNDATIONS	17 CY	-	17 CY

PREEMPTION ASSIGNMENTS

ID	ALEWIVE AND I-95 SB	ACTIVE PHASE
R4	I-95 SB RAMP	3-8
R5	ALEWIVE RD	2
R6	ALEWIVE RD	1-6
R7	ALEWIVE PARK	4

ID	ALFRED AND ALEWIVE	ACTIVE PHASE
R1	ALFRED RD	1-6
R2	FLETCHER ST	5-2
R3	ALEWIVE RD	4

ID	FLETCHER AND I-95 NB	ACTIVE PHASE
R8	I-95 NB RAMP	3
R9	FLETCHER RD	2
R10	FLETCHER RD	1-6
R11	MTA DRIVE	4

ALL PREEMPTION
 10 SEC MIN
 60 SEC MAX
 10 SEC MIN DWELL

VEHICLE PREEMPTION NOTES:

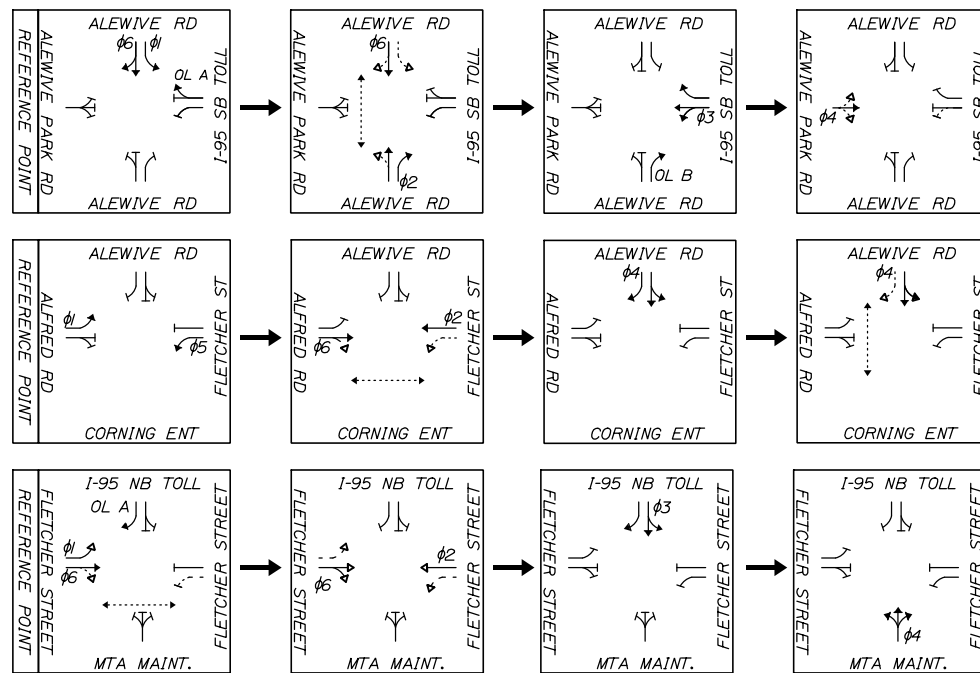
- IN RESPONSE TO A PREEMPTION SIGNAL RECEIVED AT AN INTERSECTION BY AN OPTICAL DETECTOR, THE CONTROLLER SHALL HOLD OR ADVANCE TO AND HOLD THE EMERGENCY ACTIVE PHASE GREEN FOR A MINIMUM OF 10 SECONDS OR UNTIL THE PREEMPTION SIGNAL CEASES. THE CONTROLLER SHALL THEN TIME PREEMPTION PHASE CLEARANCE (4.0 SECONDS YELLOW AND 2.0 SECONDS ALL RED) AND SERVICE SUBSEQUENT EMERGENCY ACTIVE PHASES AS NECESSARY. AT THE COMPLETION OF THE PREEMPTION CYCLE, THE CONTROLLER SHALL TIME THE PREEMPTION CLEARANCE AND RESUME NORMAL SIGNAL OPERATION.
- MINIMUM GREEN AND NORMAL VEHICLE CLEARANCE SHALL BE PROVIDED ON PHASES THAT ARE TO BE TERMINATED BY PREEMPTION DEMAND.
- CONFIRMATION STROBES SHALL BE ILLUMINATED WHENEVER ANY EMERGENCY VEHICLE PREEMPTION GREEN DWELL IS ON.
- PREEMPTION DETECTORS WILL BE FIELD VERIFIED BY A MTA REPRESENTATIVE.
- PEDESTRIAN CLEARANCE SHALL BE MAINTAINED THROUGH YELLOW AND RED CLEARANCE.

DETECTOR SCHEDULE

DETECTOR	DETECTOR		
	PLAN ID	STREET	DIRECTION
I-95 SB & ALEWIVE RD	1	ALEWIVE ROAD	SB L
	2	ALEWIVE RD	NB LT
	2A	ALEWIVE RD	NB R*
	3	I-95 SB	WB L
	4	ALEWIVE PARK RD	EB LTR
	6	ALEWIVE RD	SB TR
	8	I-95 SB	WB LT
	8A	I-95 SB	WB R*
ALFRED RD & ALEWIVE RD	1	ALFRED RD	EB L
	2	FLETCHER ST	WB TR
	4	ALEWIVE RD	SB TL/R
	5	FLETCHER ST	WB L
	6	ALFRED RD	EB TR
	I-95 NB & FLETCHER ST	1	FLETCHER ST
2		FLETCHER ST	WB TR
3		I-95 NB	SB LT
3A		I-95 NB	SB R*
4		MTA MAINT.	NB LTR
6		FLETCHER ST	EB TR

* INDICATE AN 8 SECOND DELAY FOR PHASE ACTIVATION ONLY DUE TO RIGHT TURNING VEHICLES.

SIGNAL PHASING SEQUENCE



COORDINATION CYCLE/SPLIT/OFFSET SCHEDULE AND NOTES:

	ALEWIVE AND I-95 SB		ALFRED AND ALEWIVE		FLETCHER AND I-95 NB		COORDINATION MODE SET TO FIXED FORCE-OFF
	PLAN 1	PLAN 2	PLAN 1	PLAN 2	PLAN 1	PLAN 2	
CYCLE LENGTH	120	110	120	110	120	110	
OFFSET (BEGIN GREEN)	0	0	5	14	15	35	
COORDINATED PHASE	1-6	8	4	4	1-6	1-6	
SPLIT TIME ϕ_1	22	14	12	11	35	22	
SPLIT TIME ϕ_2	36	25	45	45	55	58	
SPLIT TIME ϕ_3	51	56	-	-	19	19	
SPLIT TIME ϕ_4	11	15	63	54	11	11	
SPLIT TIME ϕ_5	-	-	11	11	-	-	
SPLIT TIME ϕ_6	58	39	46	45	90	80	
SPLIT TIME ϕ_7	-	-	-	-	-	-	
SPLIT TIME ϕ_8	-	-	-	-	-	-	

- OFFSET IS REFERENCED TO THE BEGINNING OF THE COORDINATION PHASE GREEN.
- COORDINATION TO OPERATE BY SYSTEM CONTROL WITH TIME OF DAY BACKUP.
- TRAFFIC SIGNAL CONTROLLER SHALL BE SET FOR STOP TIME IN WALK TO OFF.
- PLAN 1 RUNS FROM 7-9AM WEEKDAYS AND PLAN 2 RUNS FROM 3-6PM WEEKDAYS. OPERATIONS RUN IN FREE MODE FOR ALL OTHER DAYS AND TIMES.
- MAX 1 RUNS FROM 12:00-7:00AM ON WEEKDAYS, 12:00AM-12:00PM ON WEEKENDS.
- MAX 2 RUNS FROM 9:00AM-3:00PM AND 6:00PM-12:00AM ON WEEKDAYS, 12:00PM-12:00AM ON WEEKENDS.

SB MTA INTERSECTION IS THE MASTER INTERSECTION

Date: 10/23/2019

Filename: 00X_Signal_Plan4_Phasing.dgn

Scale:		Designed by:	
NOT TO SCALE		HNTB	
No.	Revision	By	Date
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
		By	Date
		ARG	9/19
		Checked	RBM 9/19
		Drawn	WAD 9/19
		In Charge of	RAL 9/19

HNTB CORPORATION
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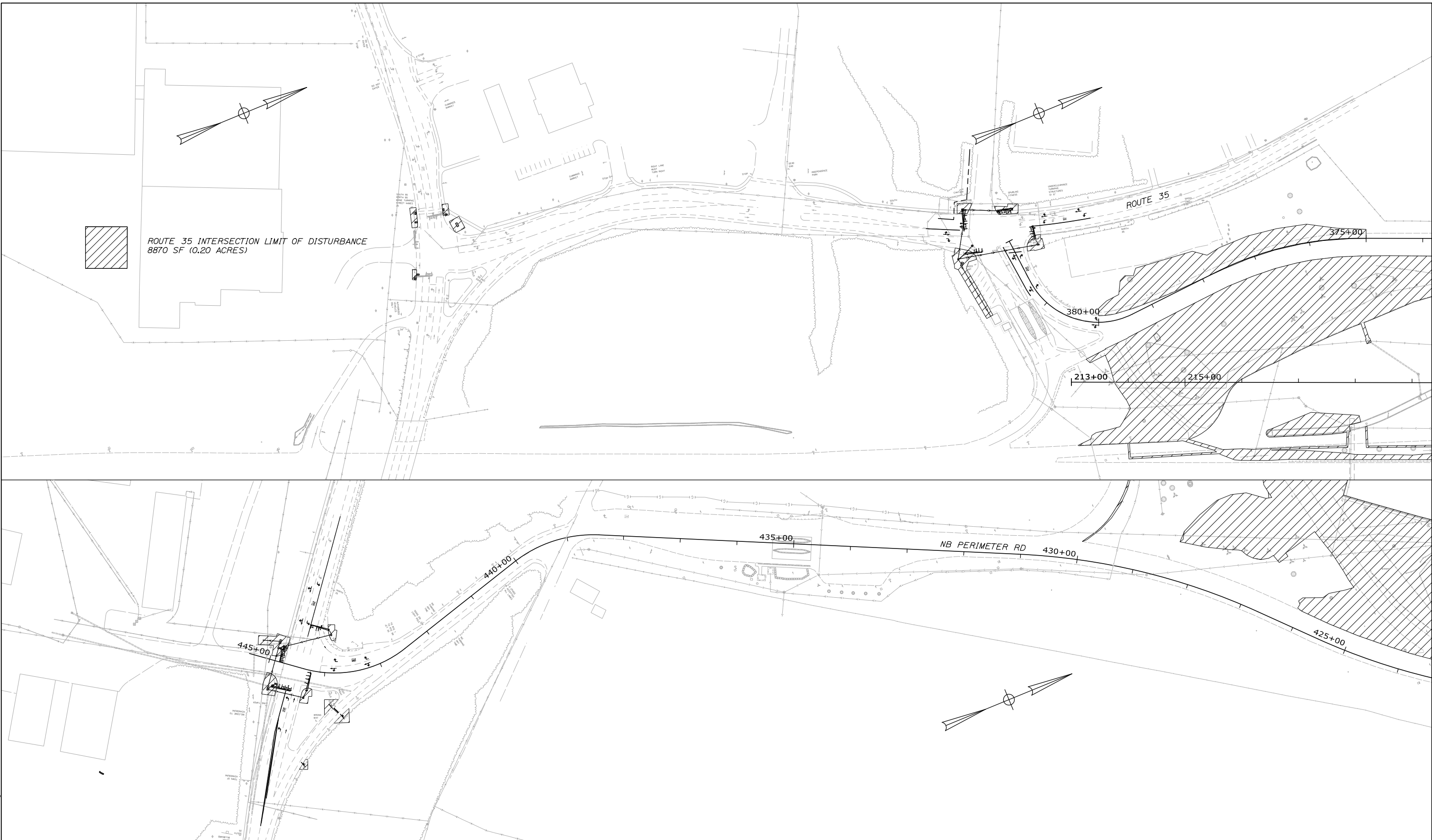
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 TRAFFIC SIGNAL TIMING & PHASING

SHEET NUMBER: SGNL-04
 CONTRACT: 2019.02
 103 OF 158

Date:10/23/2019



Filename: 00X_Limit of Disturbance_01.dgn

Scale: Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB

LIMIT OF DISTURBANCE 1 OF 3

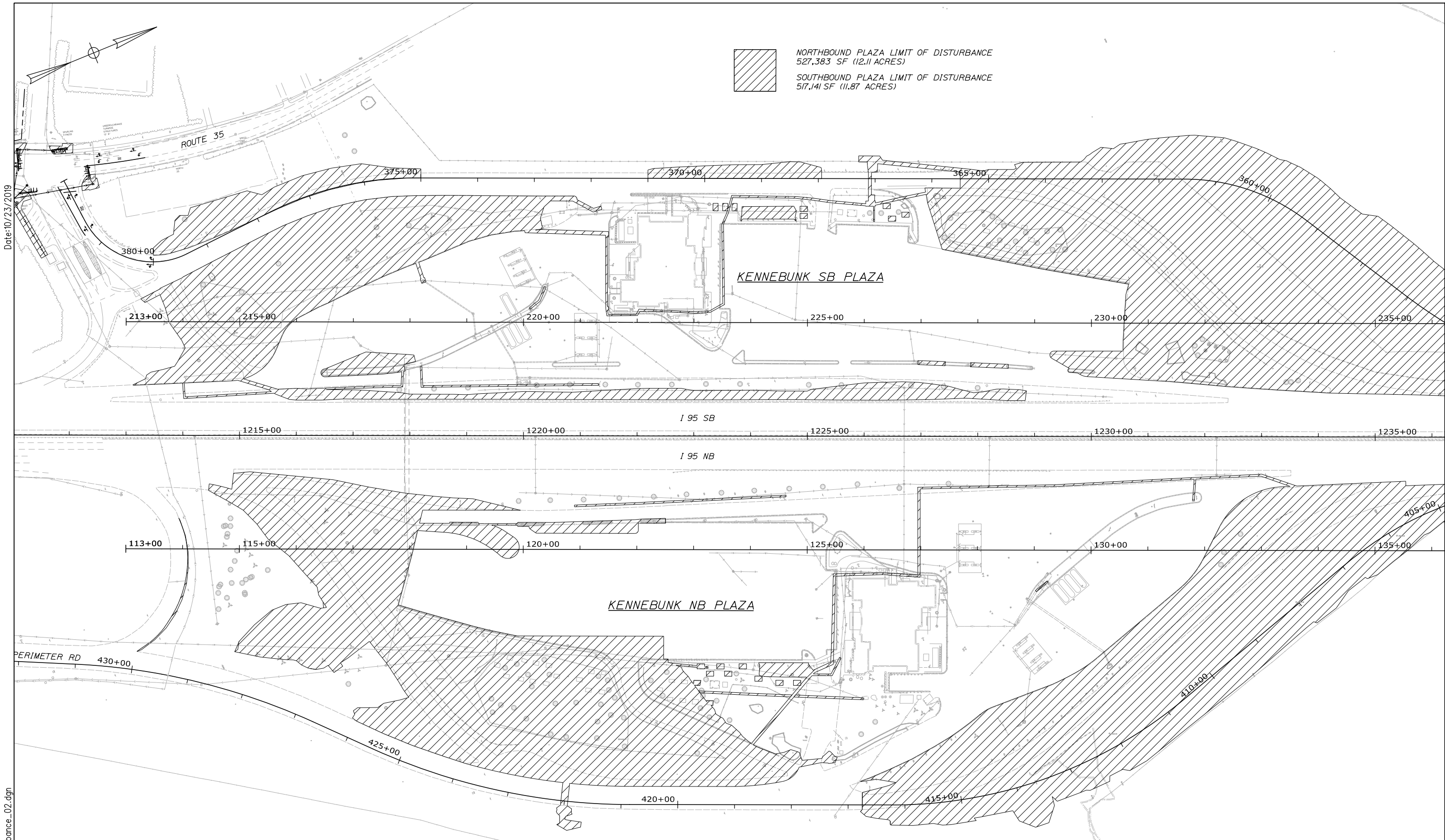
SHEET NUMBER: LOD-01
 104 OF 158

CONTRACT:2019.02



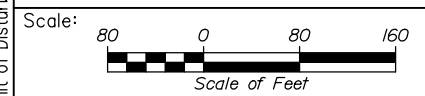
NORTHBOUND PLAZA LIMIT OF DISTURBANCE
527,383 SF (12.11 ACRES)

SOUTHBOUND PLAZA LIMIT OF DISTURBANCE
517,141 SF (11.87 ACRES)



Date: 10/23/2019

Filename: 00X_Limit of Disturbance_02.dgn



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
LIMIT OF DISTURBANCE 2 OF 3

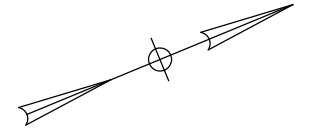
No.	Revision	By	Date

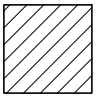
CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

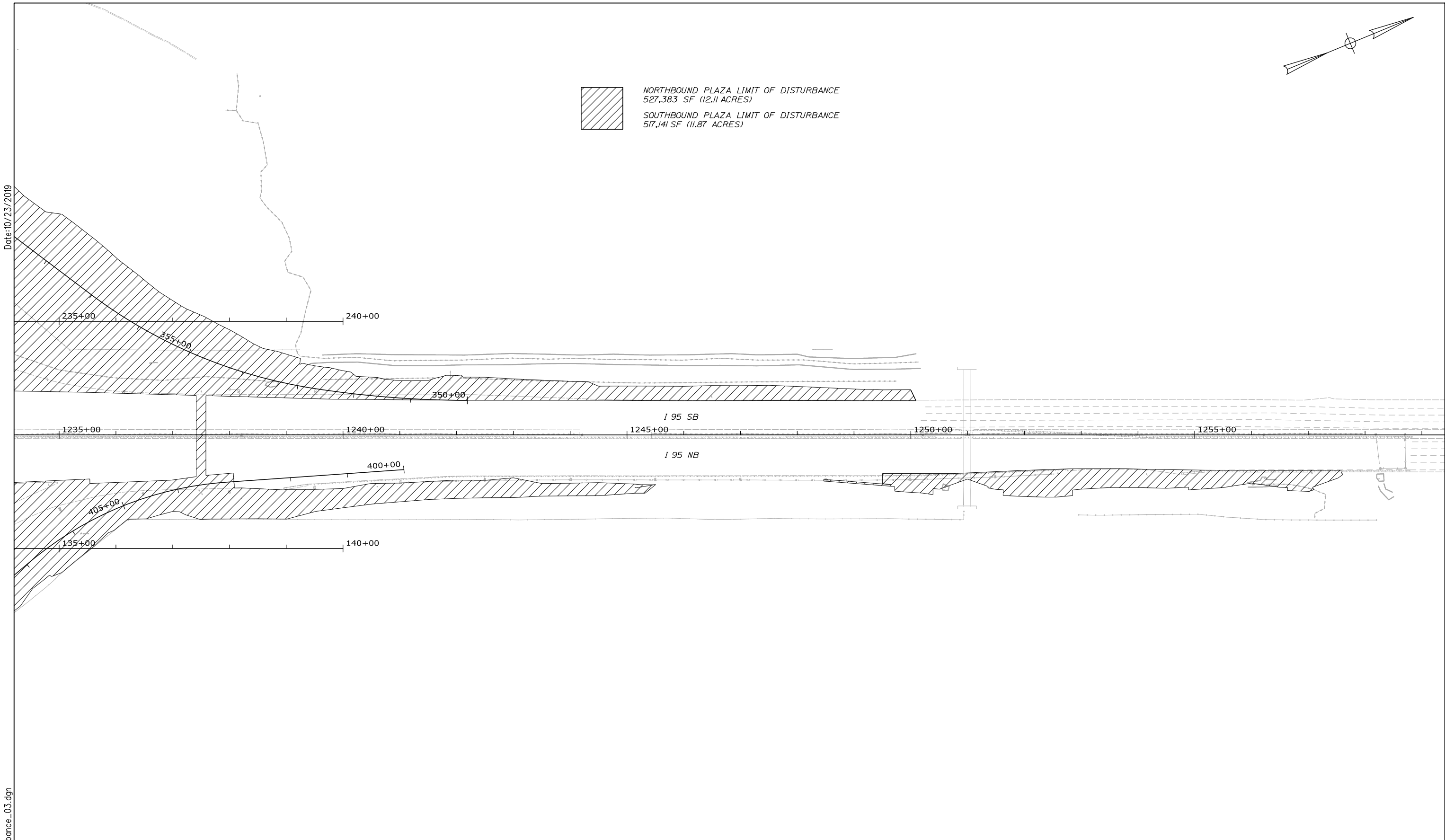
CONTRACT: 2019.02

SHEET NUMBER: LOD-02
105 OF 158

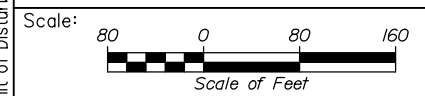



 NORTHBOUND PLAZA LIMIT OF DISTURBANCE
 527,383 SF (12.11 ACRES)
 SOUTHBOUND PLAZA LIMIT OF DISTURBANCE
 517,141 SF (11.87 ACRES)

Date: 10/23/2019



Filename: 00X_Limit of Disturbance_03.dgn




Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	PEM	10\19	Checked	DSS	10\19
Drawn	EPR	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

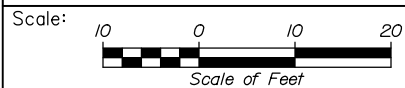
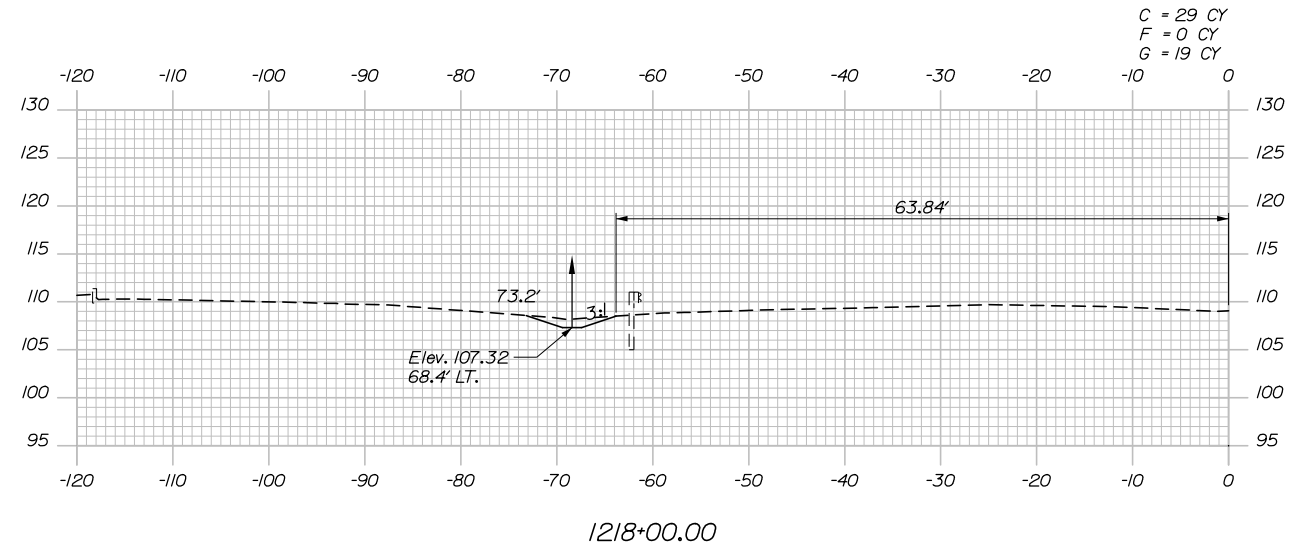
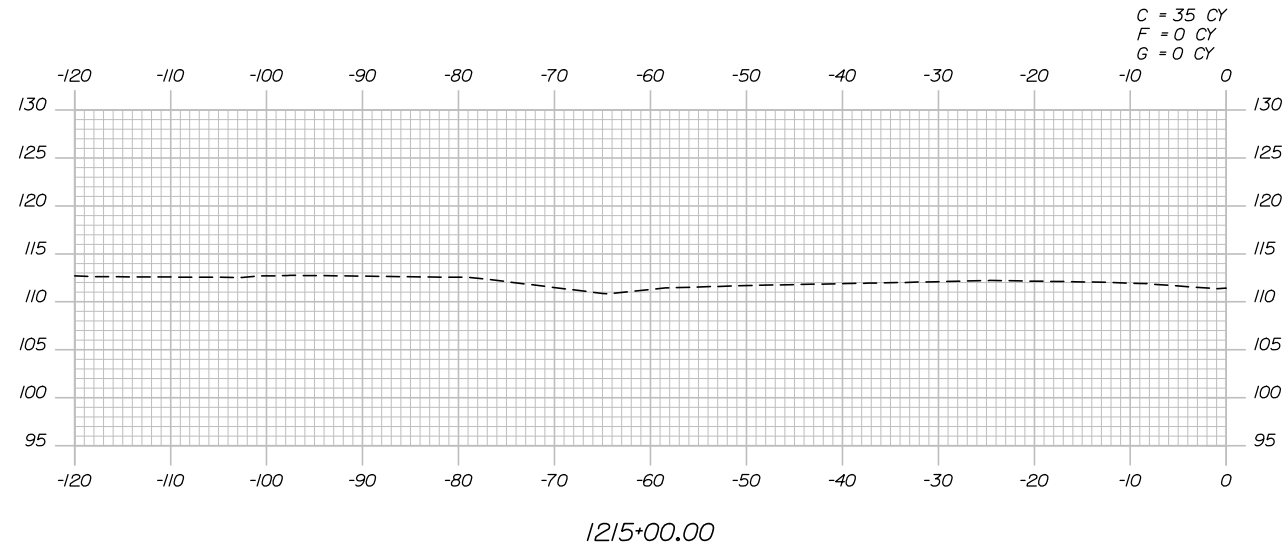
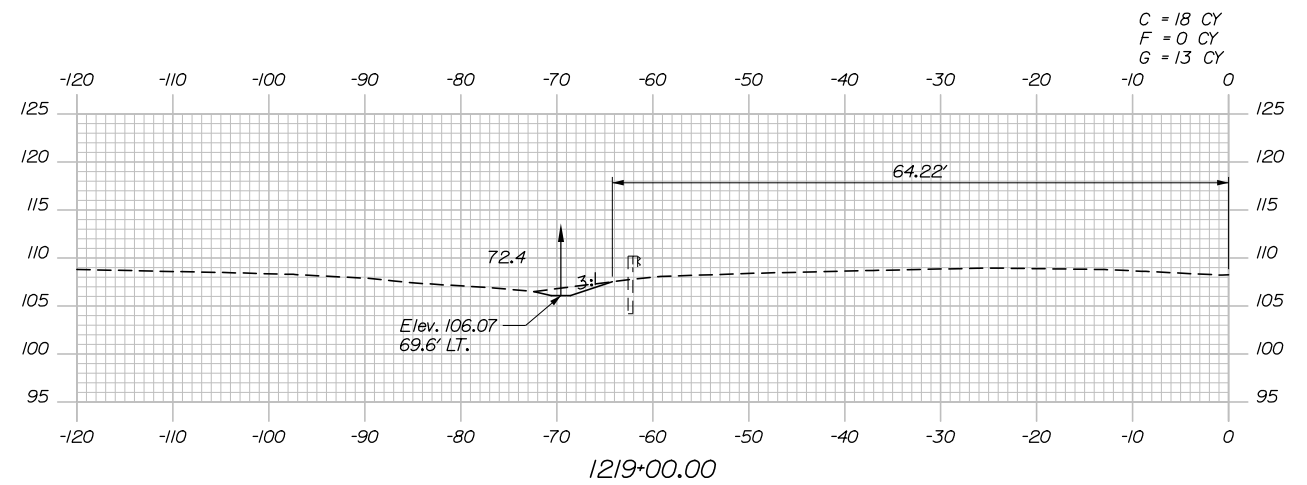
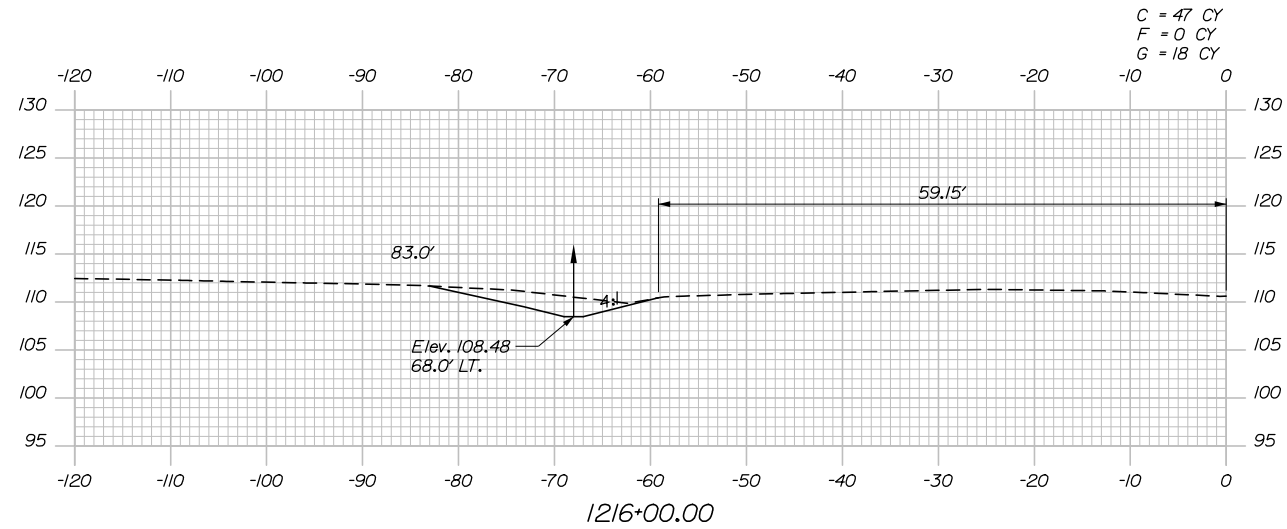
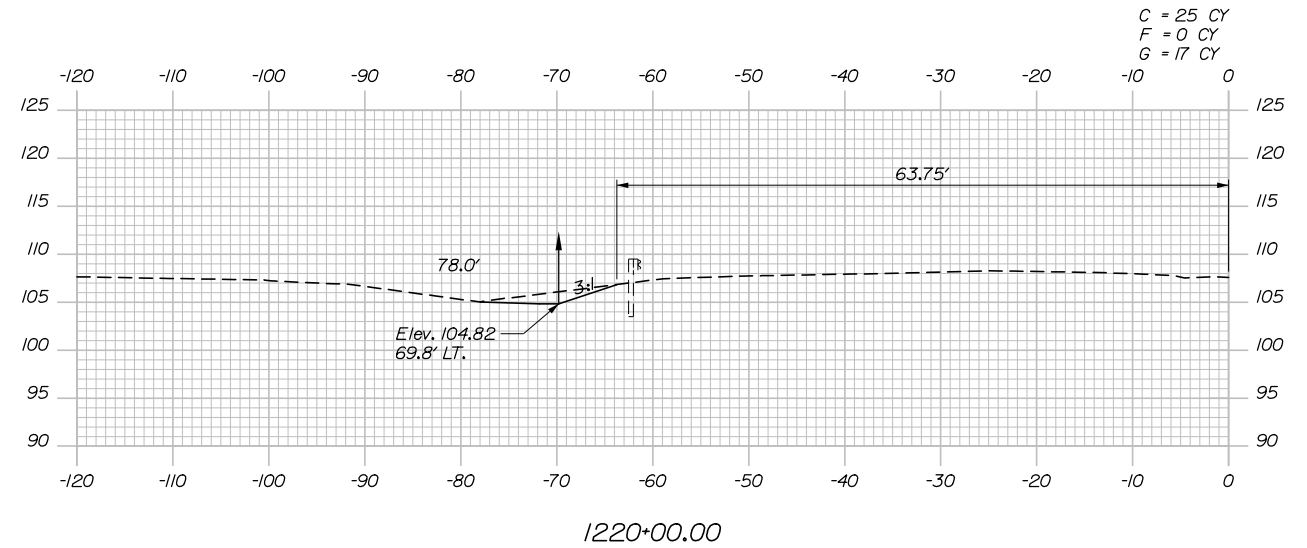
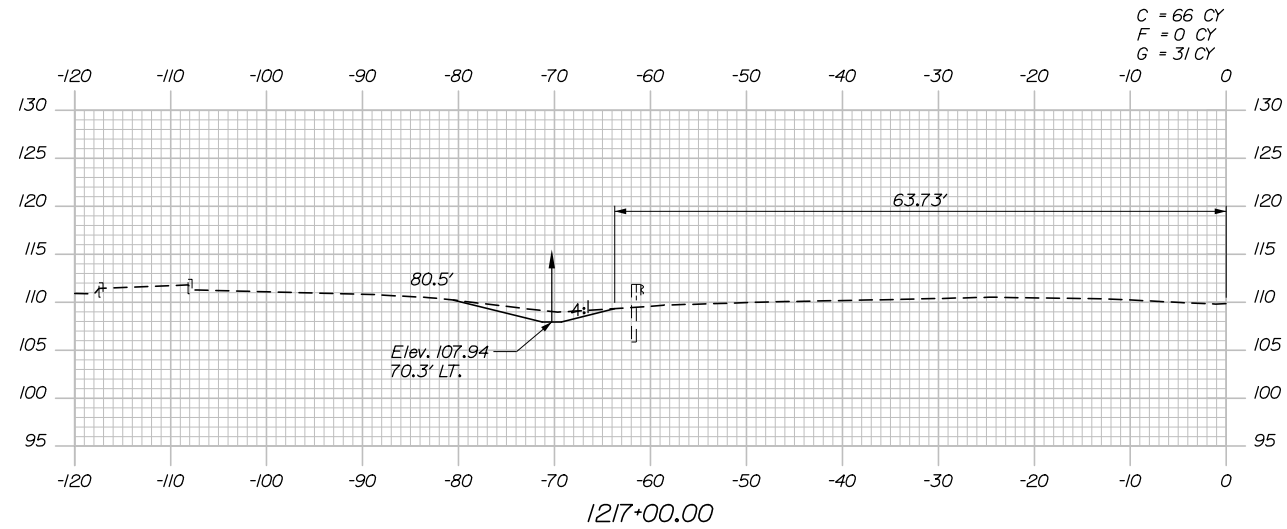
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB

LIMIT OF DISTURBANCE 3 OF 3

SHEET NUMBER: LOD-03
 CONTRACT: 2019.02
 106 OF 158

Date: 10/23/2019



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THE GOLD STAR
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KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1215+00 TO STA. 1220+00

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	Checked	Date
CDH	10\19	DSS	10\19
Drawn	Date	In Charge of	Date
CDH	10\19	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

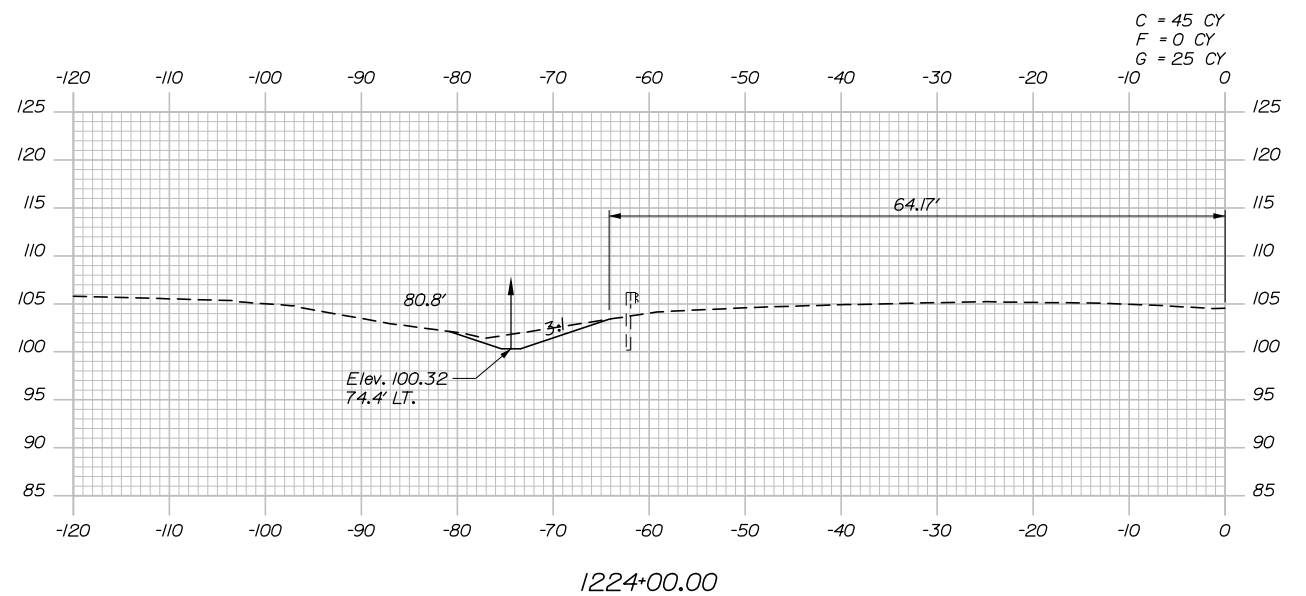
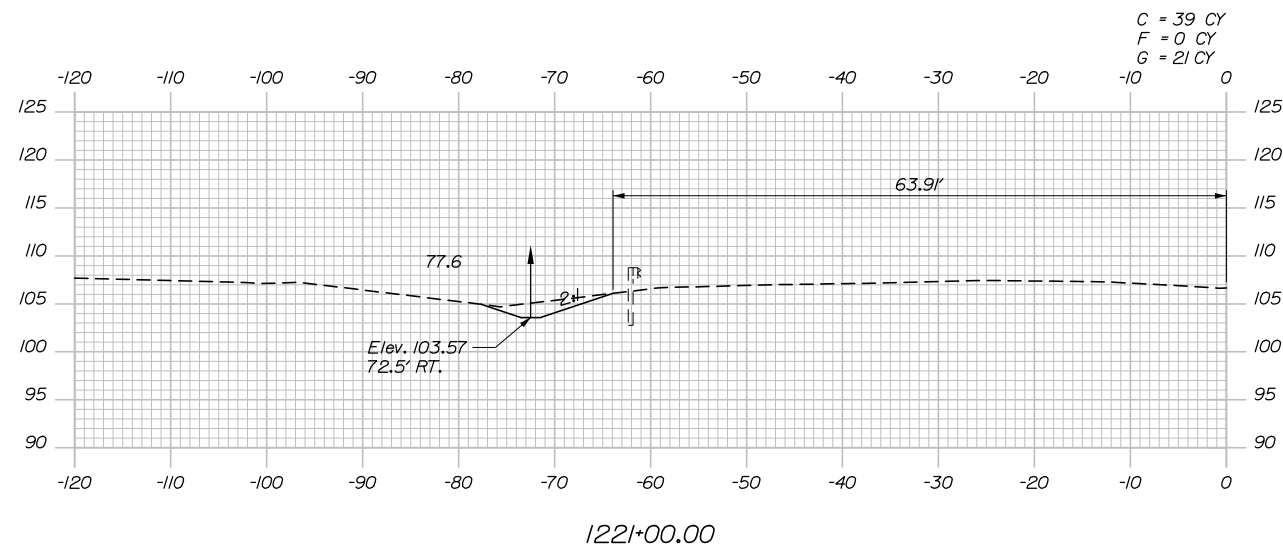
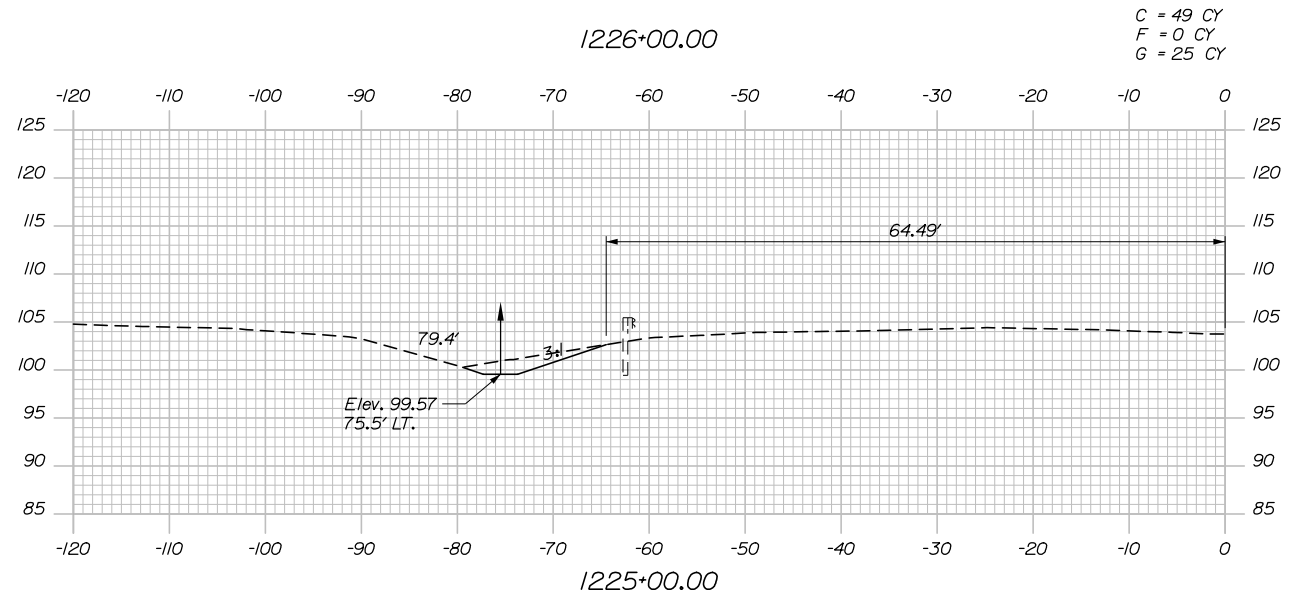
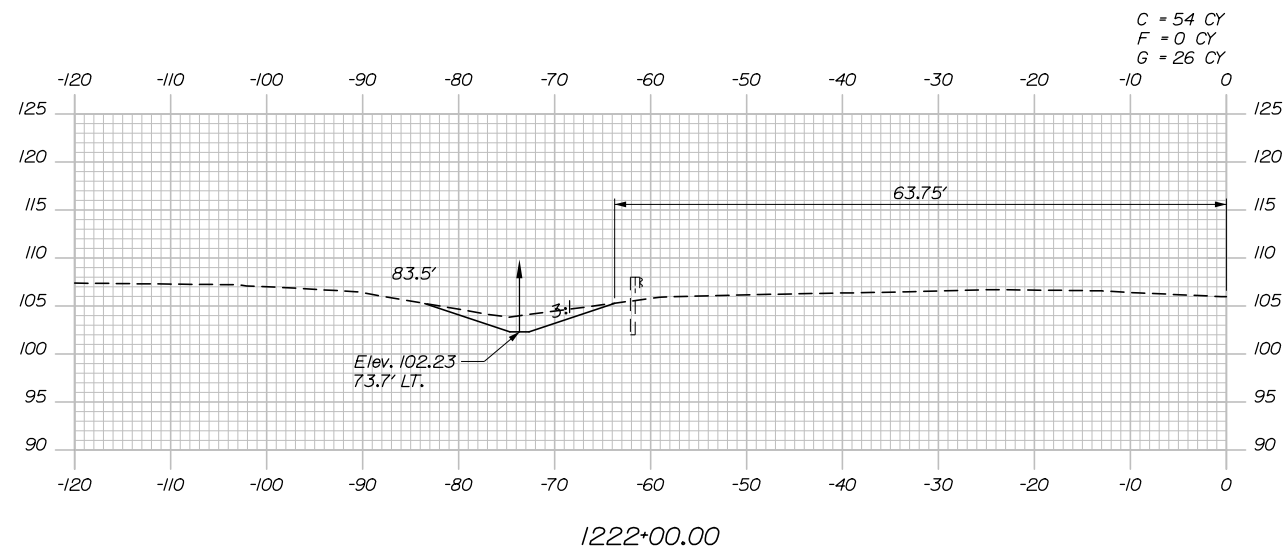
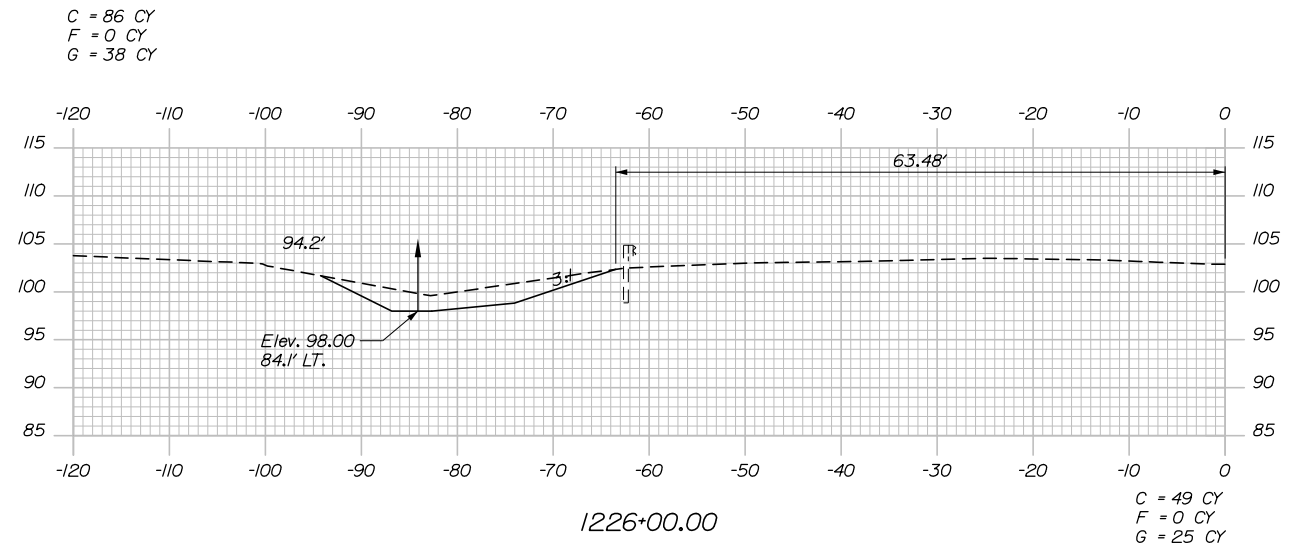
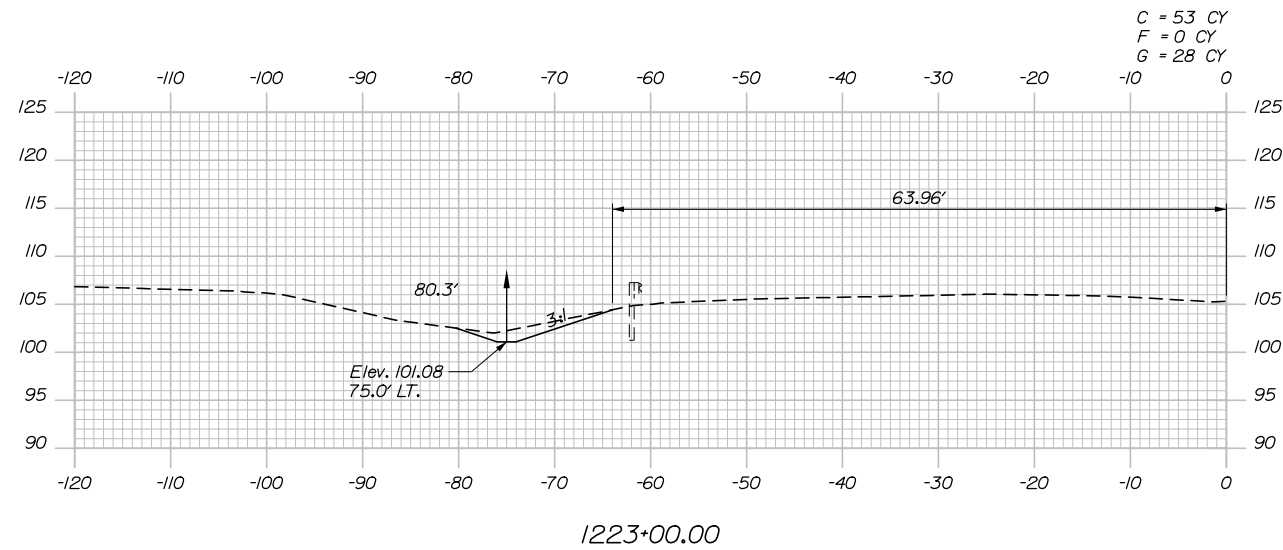
CONTRACT: 2019.02

SHEET NUMBER: XS-01

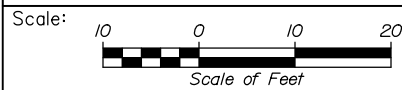
107 OF 158

Filename: Xsect_L195_Mainline.dgn

Date: 10/23/2019



Filename: Xsect_L 95 Mainline.dgn



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THE GOLD STAR
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KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - MAINLINE
 STA. 1221+00 TO STA. 1226+00

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

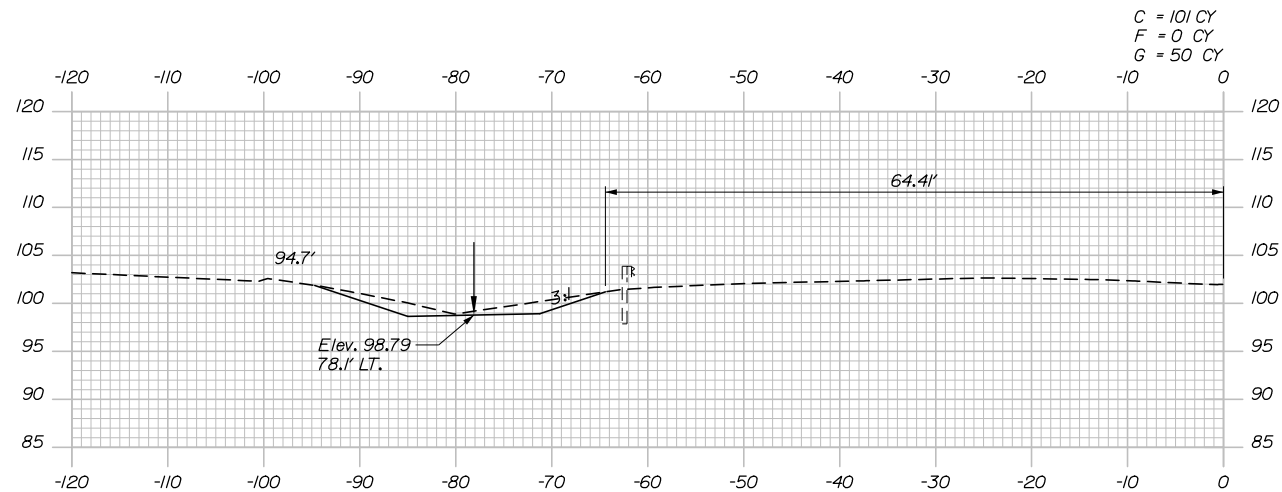
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

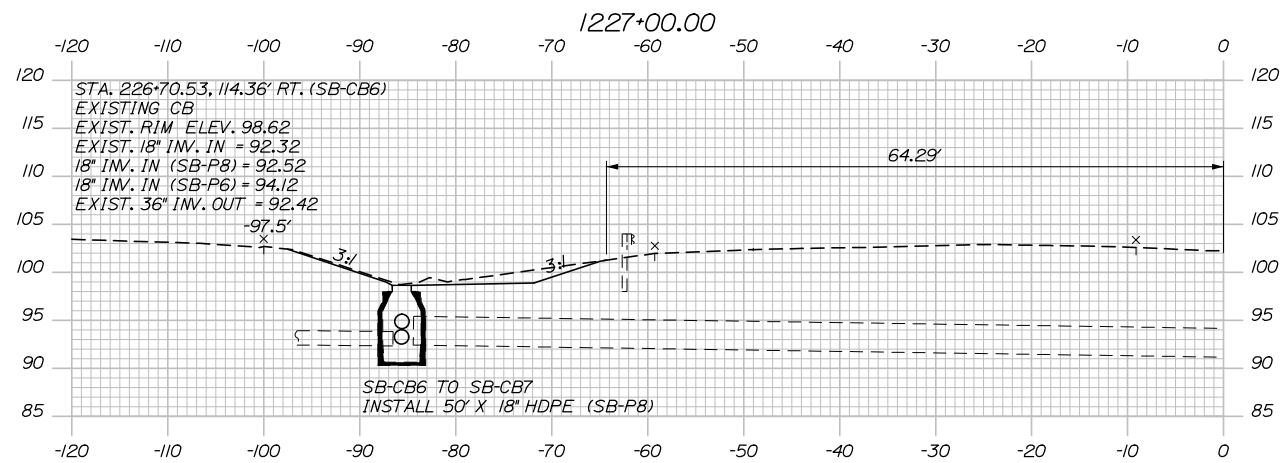
SHEET NUMBER: XS-02

108 OF 158

Date: 10/23/2019



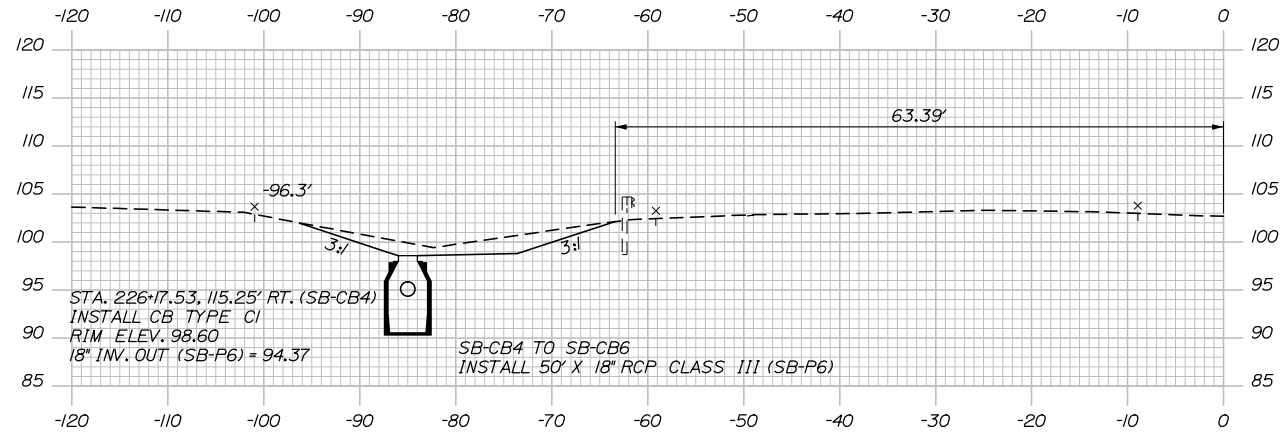
C = 101 CY
F = 0 CY
G = 50 CY



STA. 226+70.53, 114.36' RT. (SB-CB6)
EXISTING CB
EXIST. RIM ELEV. 98.62
EXIST. 18" INV. IN = 92.52
18" INV. IN (SB-P8) = 92.52
18" INV. IN (SB-P6) = 94.12
EXIST. 36" INV. OUT = 92.42

SB-CB6 TO SB-CB7
INSTALL 50' X 18" HDPE (SB-P8)

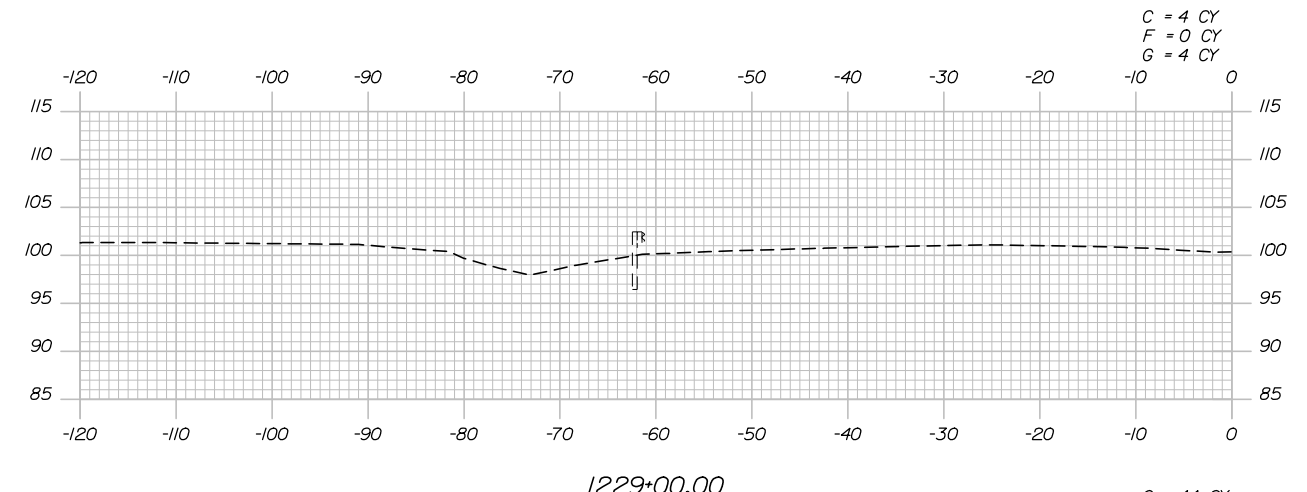
C = 86 CY
F = 0 CY
G = 38 CY



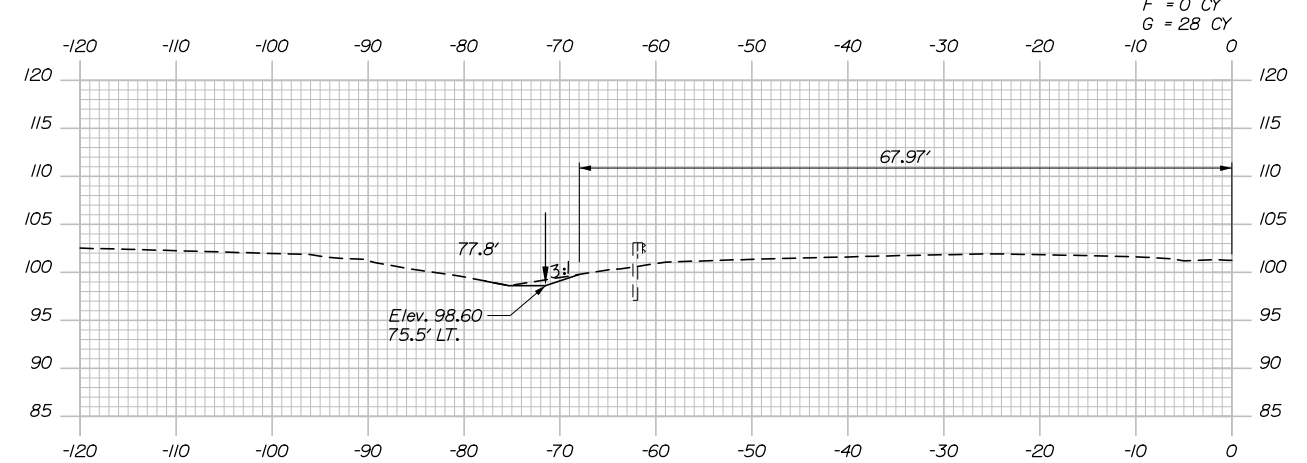
STA. 226+17.53, 115.25' RT. (SB-CB4)
INSTALL CB TYPE C1
RIM ELEV. 98.60
18" INV. OUT (SB-P6) = 94.37

SB-CB4 TO SB-CB6
INSTALL 50' X 18" RCP CLASS III (SB-P6)

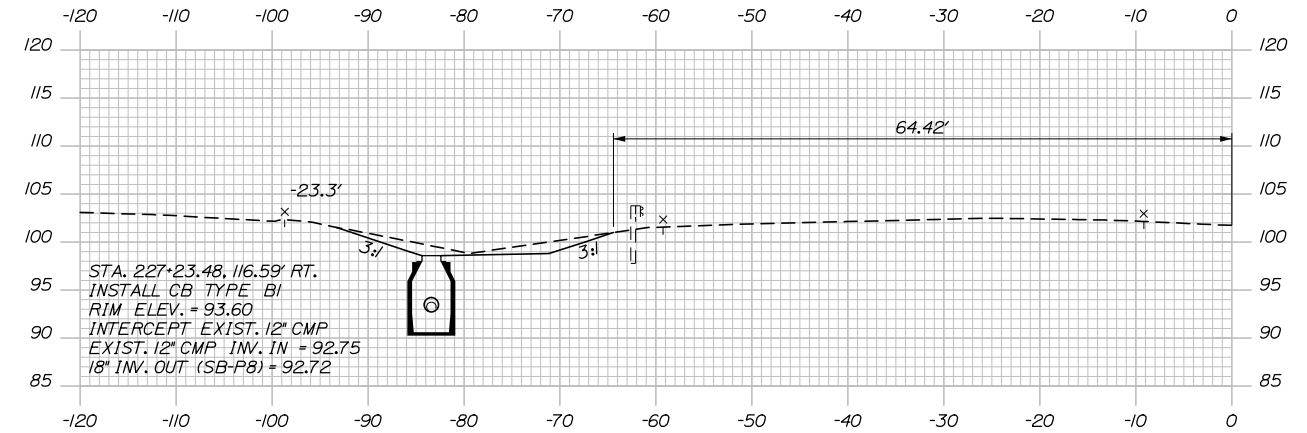
1226+18.00



C = 4 CY
F = 0 CY
G = 4 CY



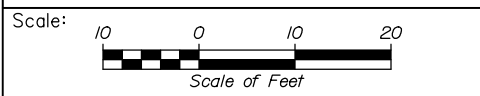
C = 44 CY
F = 0 CY
G = 28 CY



STA. 227+23.48, 116.59' RT.
INSTALL CB TYPE B1
RIM ELEV. = 93.60
INTERCEPT EXIST. 12" CMP
EXIST. 12" CMP INV. IN = 92.75
18" INV. OUT (SB-P8) = 92.72

1227+23.00

Filename: Xsect_L 95 Mainline.dgn



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

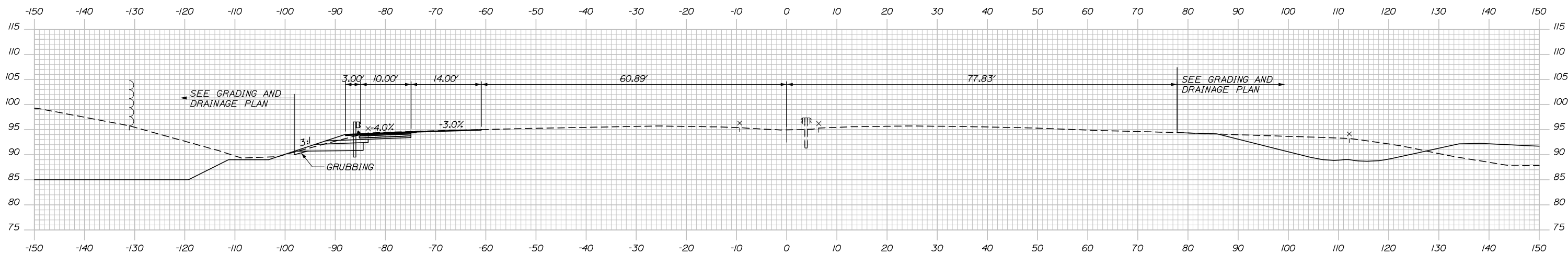
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1226+18 TO STA. 1229+00

SHEET NUMBER: XS-03
CONTRACT: 2019.02
109 OF 158

Date: 10/23/2019

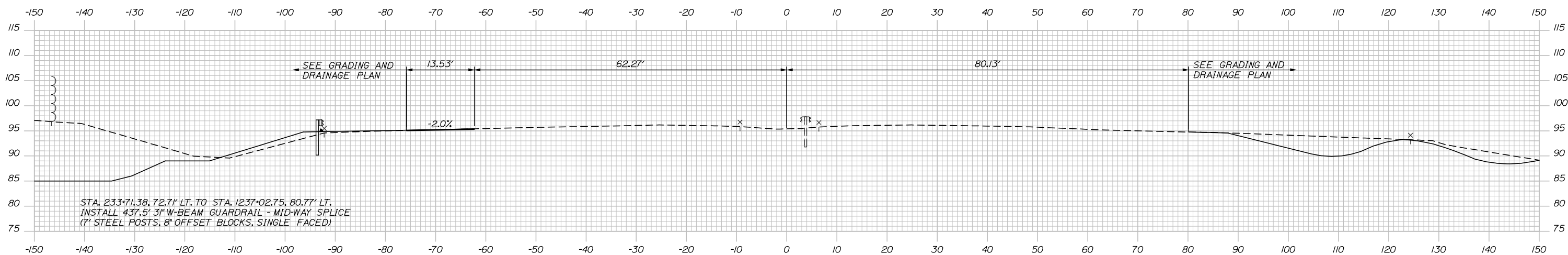
C = 56 CY
F = 0 CY
G = 2 CY



C = 13 CY
F = 0 CY
G = 0 CY

STA. 1235+40.00
BEGIN MAINLINE SHOULDER WIDENING
MATCH PARKING EXPANSION

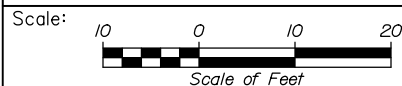
1235+50.00



STA. 233+71.38, 72.71' LT. TO STA. 1237+02.75, 80.77' LT.
INSTALL 437.5' 3" W-BEAM GUARDRAIL - MID-WAY SPLICE
(7' STEEL POSTS, 8" OFFSET BLOCKS, SINGLE FACED)

STA. 233+68.87, 81.54' LT. TO STA. 233+71.38, 72.51' LT.
INSTALL TERMINAL END - ANCHORED END 3" W-BEAM GUARDRAIL

STA. 1234+54.04, 115.00' LT.
TO STA. 1235+97.65, 83.65' LT.
INSTALL 150.00 LF CURB TYPE 3 MOLD 2 1235+00.00



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THE GOLD STAR
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KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1235+00 TO STA. 1235+50

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
Designed	By	Date	Checked
	CDH	10\19	DSS
Drawn	By	Date	In Charge of
	CDH	10\19	RAL

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

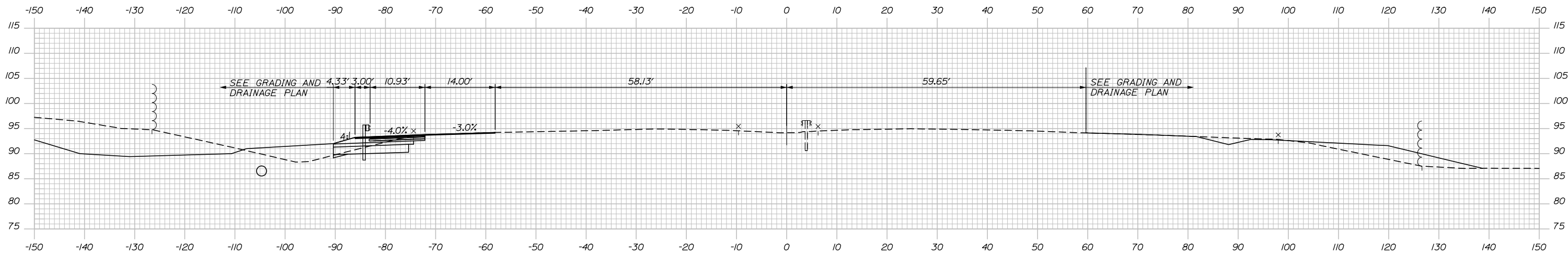
SHEET NUMBER: XS-04

110 OF 158

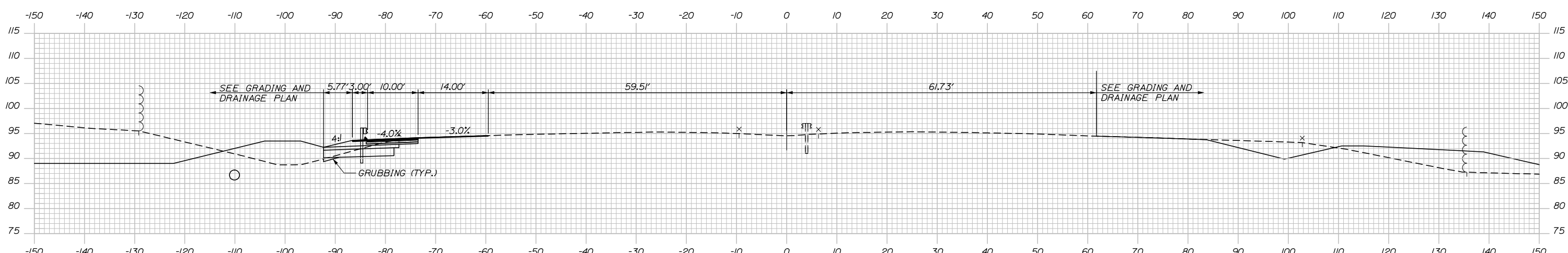
Filename: Xsect_195_Mainline.dgn

Date: 10/23/2019

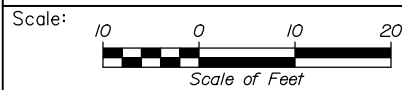
C = 54 CY
F = 0 CY
G = 1 CY



C = 50 CY
F = 0 CY
G = 2 CY



Filename: Xsect_195_Mainline.dgn



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THE GOLD STAR
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KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1236+00 TO STA. 1236+50

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
Designed	By	Date	Checked
	CDH	10\19	DSS
Drawn	By	Date	In Charge of
	CDH	10\19	RAL

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

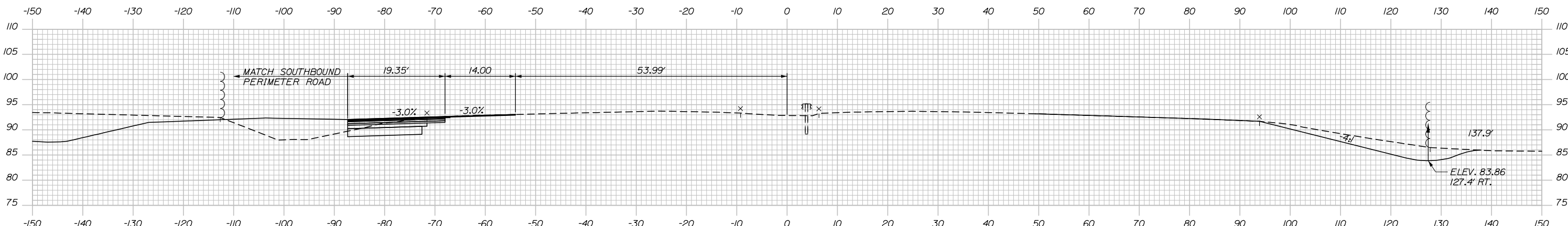
SHEET NUMBER: XS-05

111 OF 158

Date: 10/23/2019

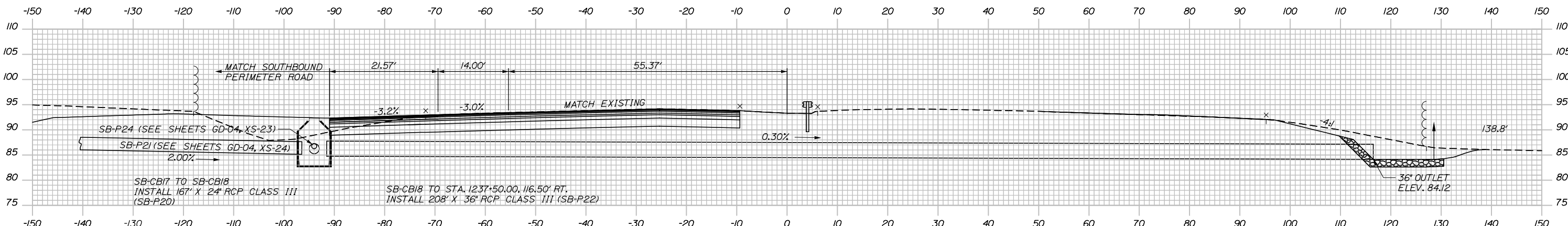
C = 66.7 CY
F = 0 CY
G = 0 CY

C = 115 CY
F = 0 CY
G = 0 CY

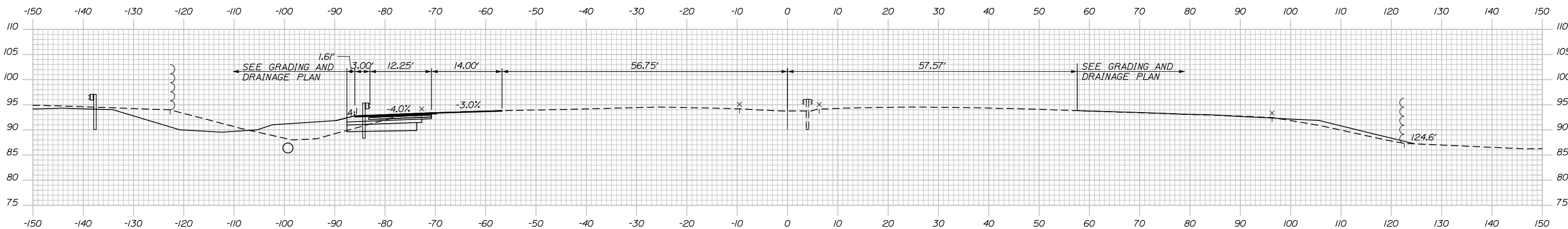


C = 75 CY
F = 0 CY
G = 0 CY

C = 65 CY
F = 0 CY
G = 0 CY



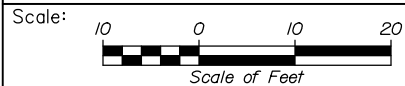
C = 68 CY
F = 0 CY
G = 0 CY



STA. 1237+50.00, 94.00' LT.
INSTALL 72" CB TYPE BI (SB-CB18)
RIM ELEV. 92.35
12" INV. IN = 86.25
24" INV. IN = 85.25
30" INV. IN = 85.33
36" INV. OUT = 84.75

STA. 1237+37.50, 4.15' RT. TO STA. 1237+62.50, 4.15' RT.
GUARDRAIL - REMOVE, MODIFY AND RESET DOUBLE RAIL

1237+02.75, 80.77' LT.
INSTALL 3" W-BEAM GUARDRAIL - MID-WAY SPLICE FLARED TERMINAL
FLARED TERMINAL (3" HEIGHT)



Designed by:



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THE GOLD STAR
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KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

CROSS-SECTIONS - MAINLINE
STA. 1237+00 TO STA. 1238+00

SHEET NUMBER: XS-06

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	Checked	Date
CDH	10\19	DSS	10\19
Drawn	Date	In Charge of	Date
CDH	10\19	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

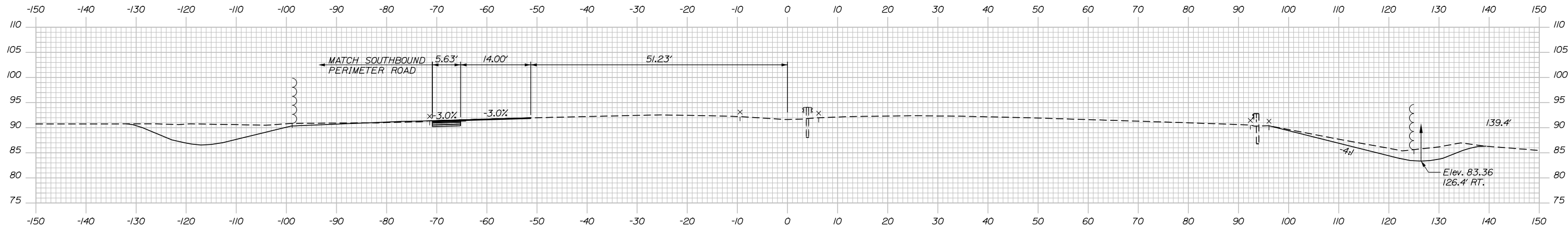
112 OF 158

Filename: Xsect_L195_Mainline.dgn

Date: 10/23/2019

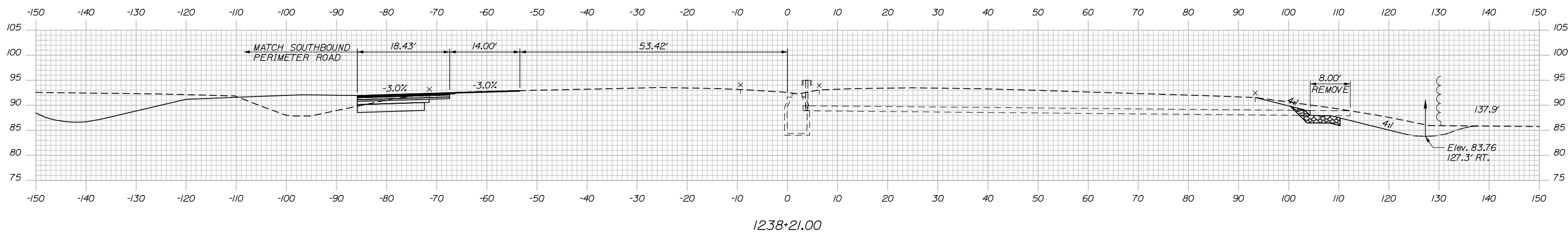
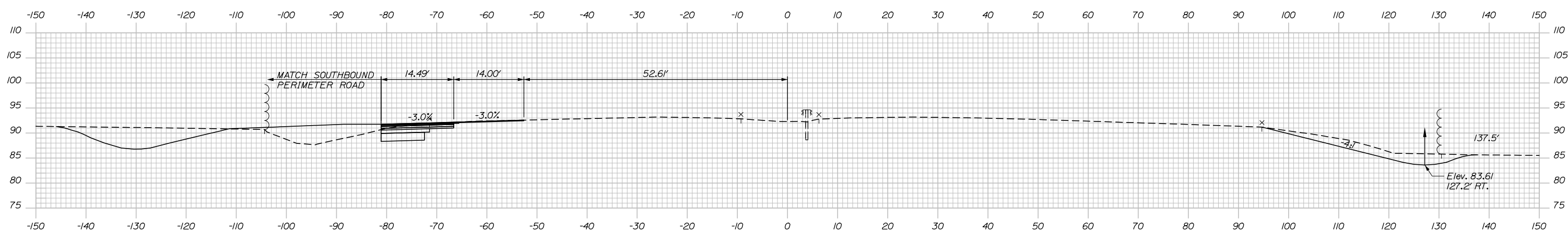
C = 6 CY
F = 0 CY
G = 0 CY

C = 80 CY
F = 0 CY
G = 0 CY

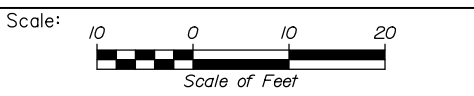


C = 36 CY
F = 0 CY
G = 0 CY

C = 97 CY
F = 0 CY
G = 0 CY



Filename: Xsect_L195_Mainline.dgn



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

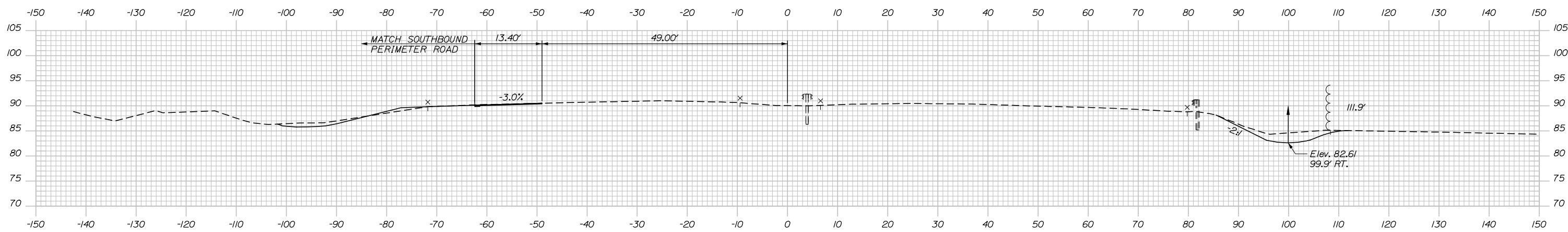
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1238+21 TO STA. 1239+00

SHEET NUMBER: XS-07
CONTRACT: 2019.02
113 OF 158

Date: 10/23/2019

C = 0 CY
F = 0 CY
G = 0 CY

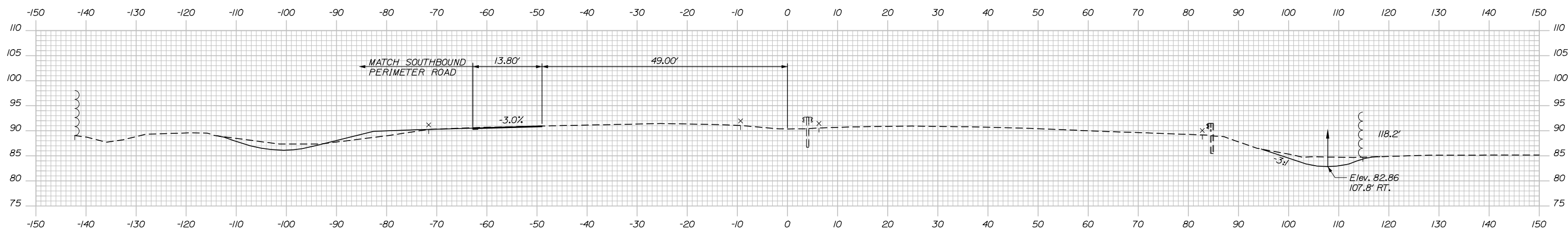
C = 41 CY
F = 0 CY
G = 0 CY



1240+50.00

C = 0 CY
F = 0 CY
G = 0 CY

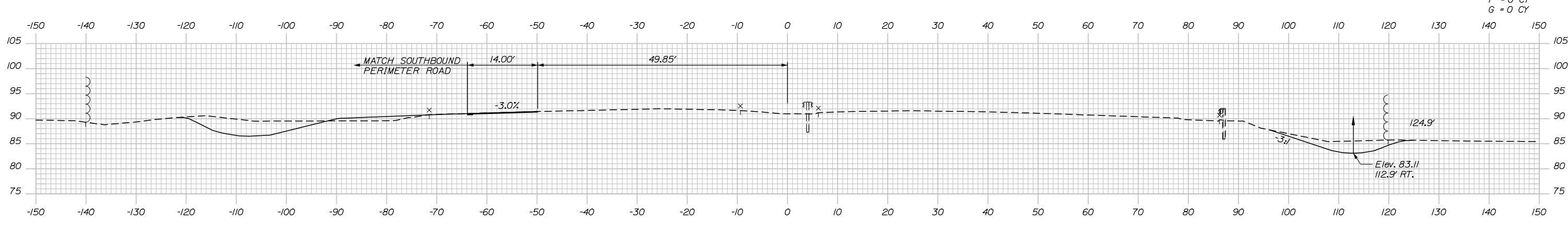
C = 46 CY
F = 0 CY
G = 0 CY



1240+00.00

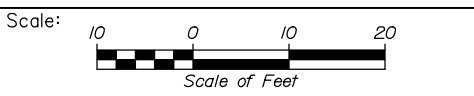
C = 0 CY
F = 0 CY
G = 0 CY

C = 54 CY
F = 0 CY
G = 0 CY



1239+50.00

Filename: Xsect_L195_Mainline.dgn



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1239+50 TO STA. 1240+50

CONTRACT: 2019.02

SHEET NUMBER: XS-08

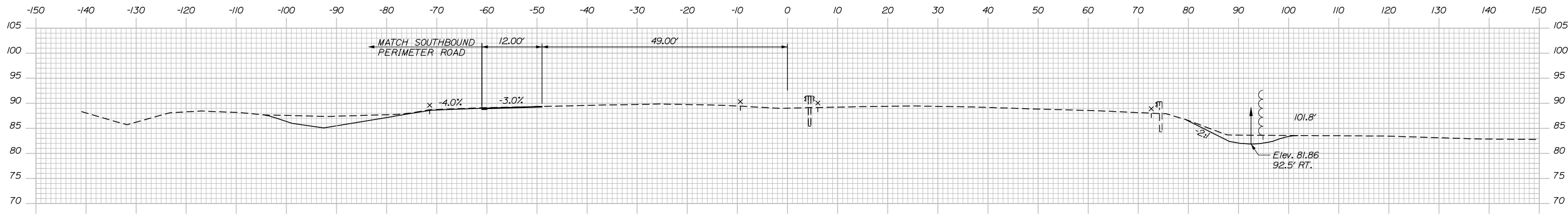
114 OF 158

Date: 10/23/2019

C = 67 CY
F = 0 CY
G = 0 CY

STA. 1242+18.90
BEGIN SB DECELERATION
LANE WIDENING

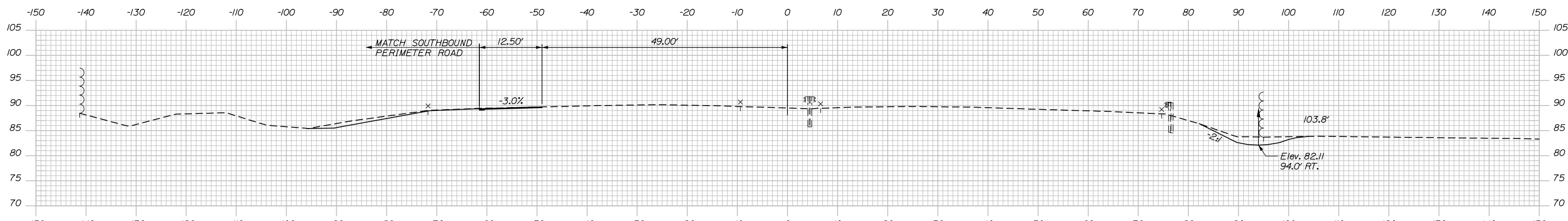
C = 35 CY
F = 0 CY
G = 0 CY



C = 0 CY
F = 0 CY
G = 0 CY

1242+00.00

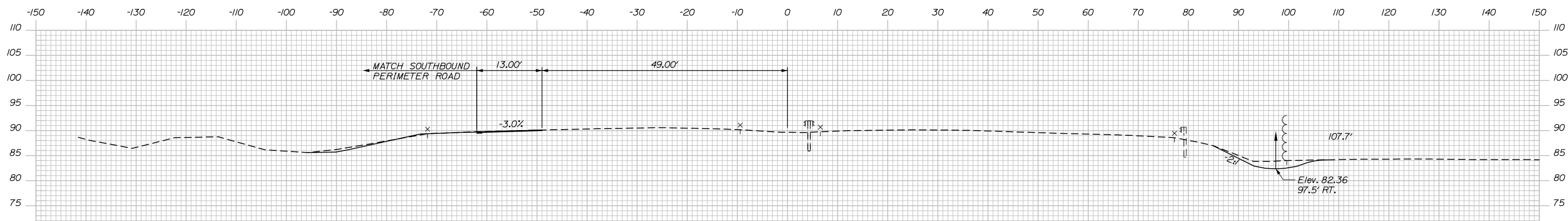
C = 37 CY
F = 0 CY
G = 0 CY



C = 0 CY
F = 0 CY
G = 0 CY

1241+50.00

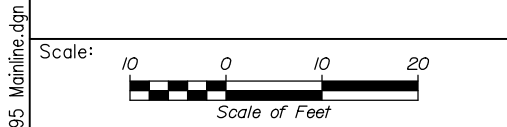
C = 34 CY
F = 0 CY
G = 0 CY



C = 0 CY
F = 0 CY
G = 0 CY

1241+00.00

C = 34 CY
F = 0 CY
G = 0 CY



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1241+00 TO STA. 1242+00

CONTRACT: 2019.02

SHEET NUMBER: XS-09

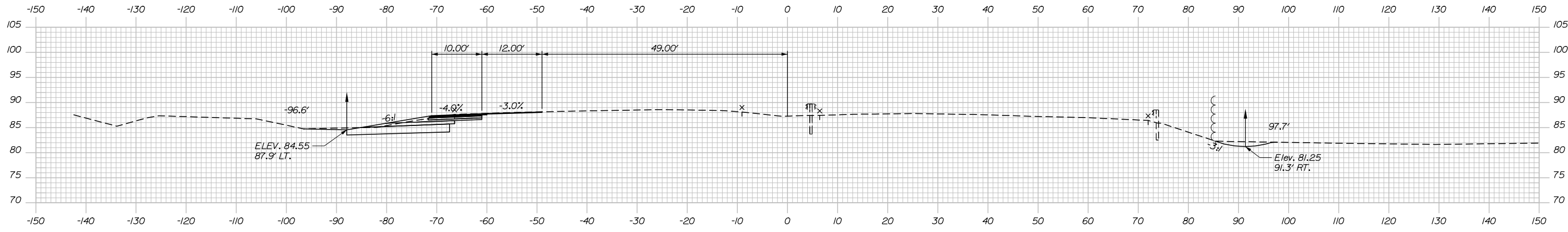
115 OF 158

Filename: Xsect_L195_Mainline.dgn

Date: 10/23/2019

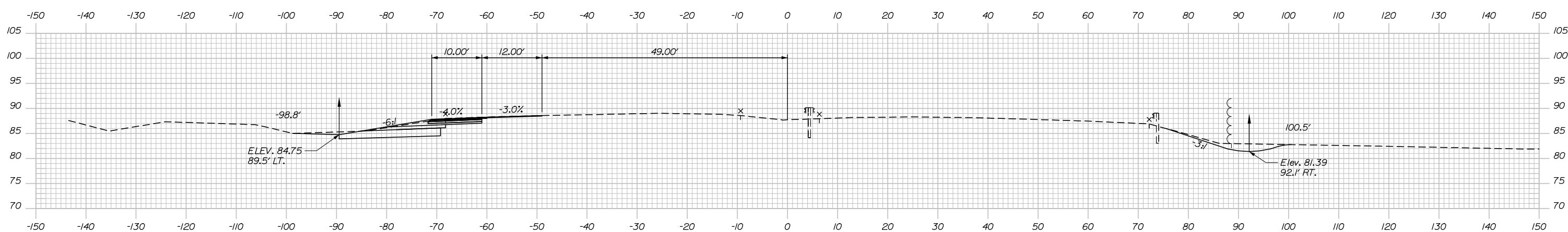
C = 98 CY
F = 0 CY
G = 0 CY

C = 14 CY
F = 0 CY
G = 0 CY



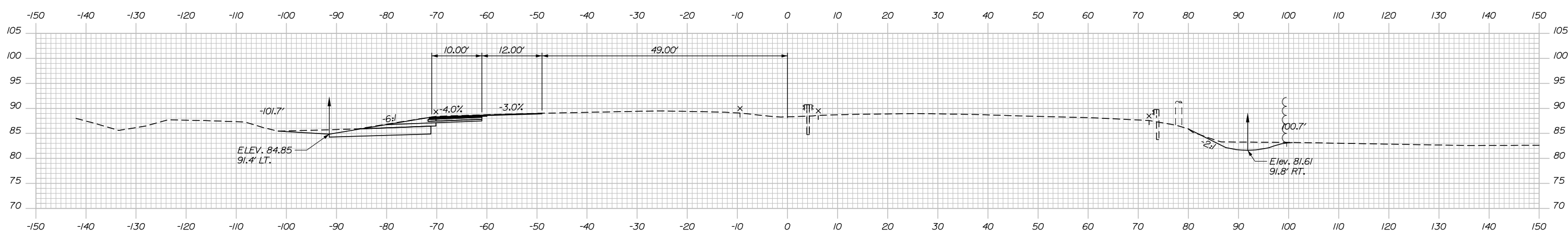
C = 112 CY
F = 0 CY
G = 0 CY

C = 23 CY
F = 0 CY
G = 0 CY

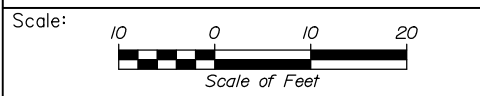


C = 126 CY
F = 0 CY
G = 0 CY

C = 32 CY
F = 0 CY
G = 0 CY



Filename: Xsect_195_Mainline.dgn



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

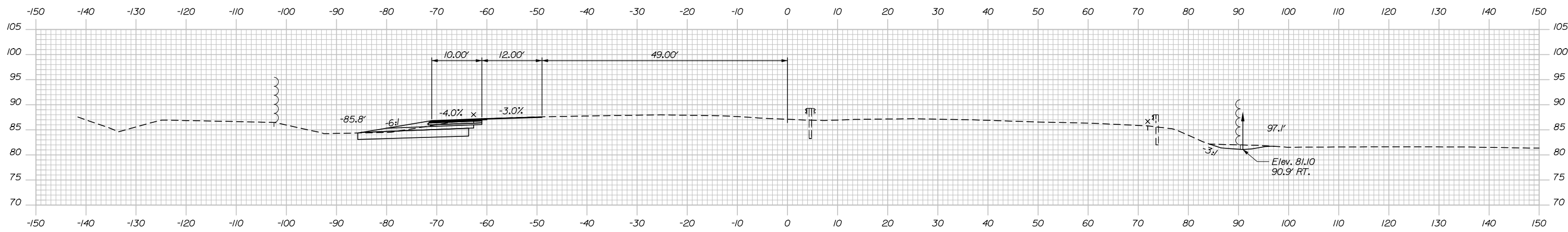
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1242+50 TO STA. 1243+50

SHEET NUMBER: XS-10
CONTRACT: 2019.02
116 OF 158

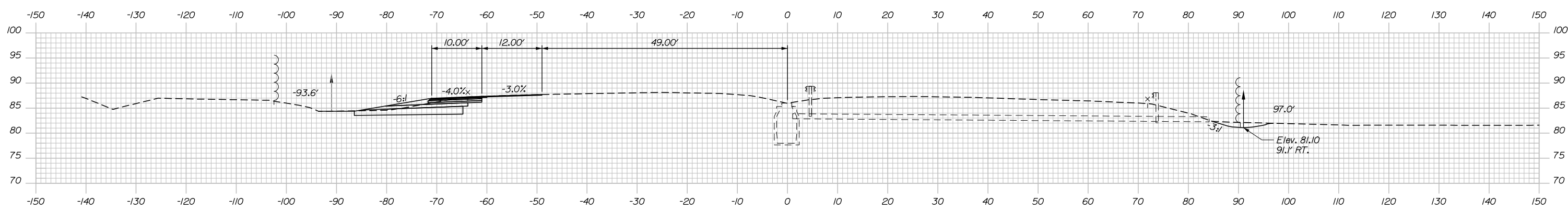
Date: 10/23/2019

C = 84 CY
F = 0 CY
G = 0 CY

C = 10 CY
F = 0 CY
G = 0 CY



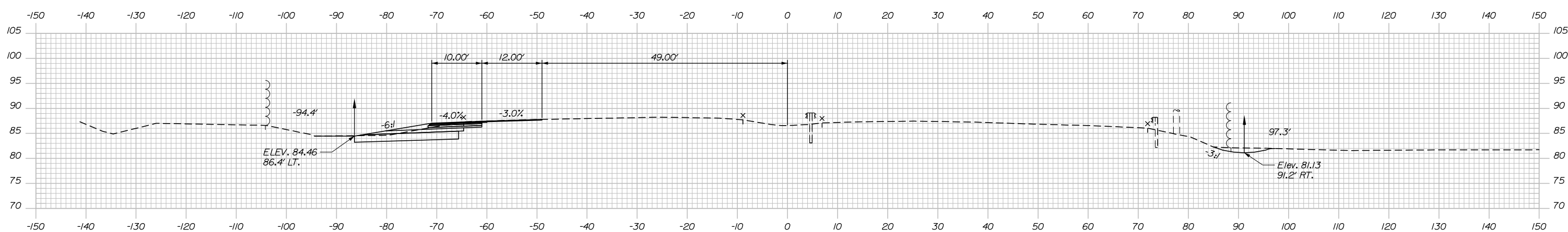
1244+50.00



1244+21.00

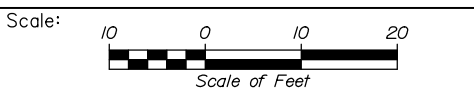
C = 86 CY
F = 0 CY
G = 0 CY

C = 15 CY
F = 0 CY
G = 0 CY



1244+00.00

Filename: Xsect_195_Mainline.dgn



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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

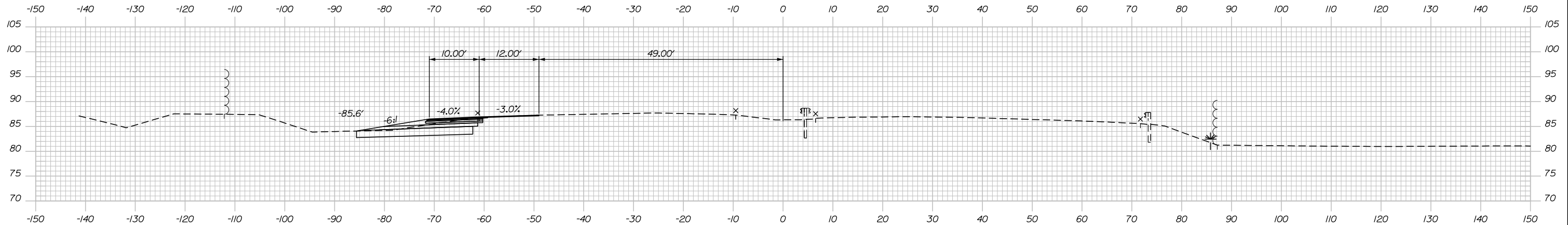
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1244+00 TO STA. 1245+00

SHEET NUMBER: XS-11
CONTRACT: 2019.02
117 OF 158

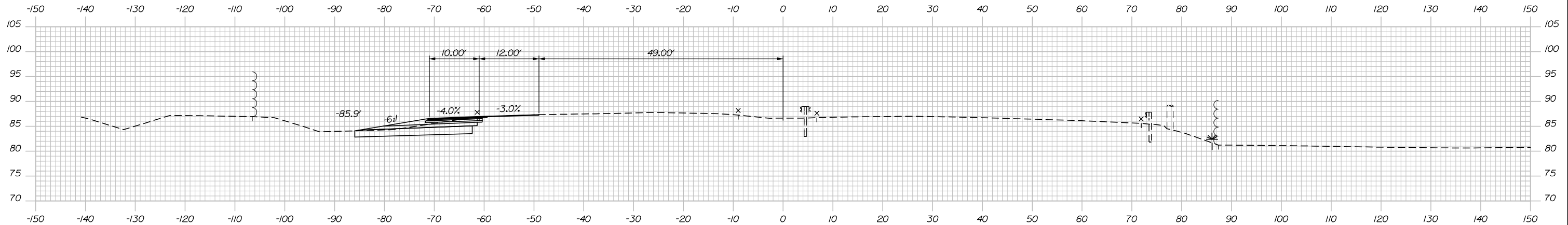
Date: 10/23/2019

C = 84 CY
F = 0 CY
G = 0 CY



1246+00.00

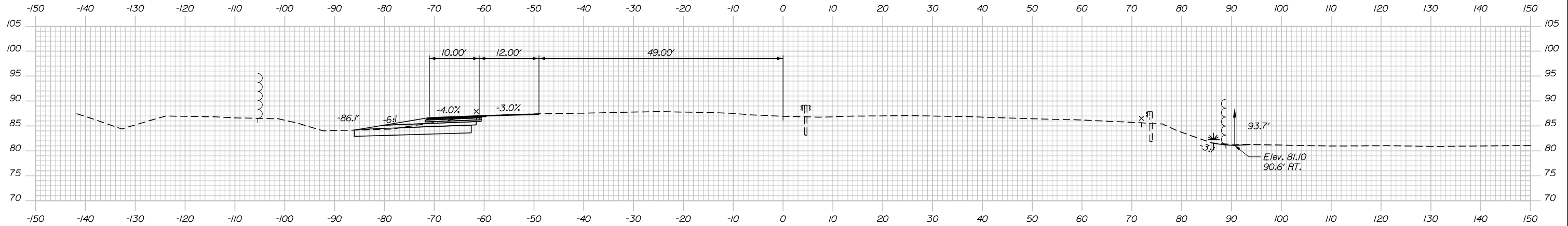
C = 85 CY
F = 0 CY
G = 0 CY



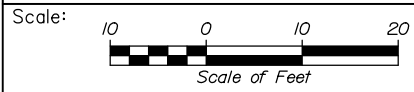
1245+50.00

C = 85 CY
F = 0 CY
G = 0 CY

C = 2 CY
F = 0 CY
G = 0 CY



1245+00.00



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB

CROSS-SECTIONS - MAINLINE
STA. 1245+00 TO STA. 1246+00

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	Checked	Date
CDH	10\19	DSS	10\19
Drawn	Date	In Charge of	Date
CDH	10\19	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

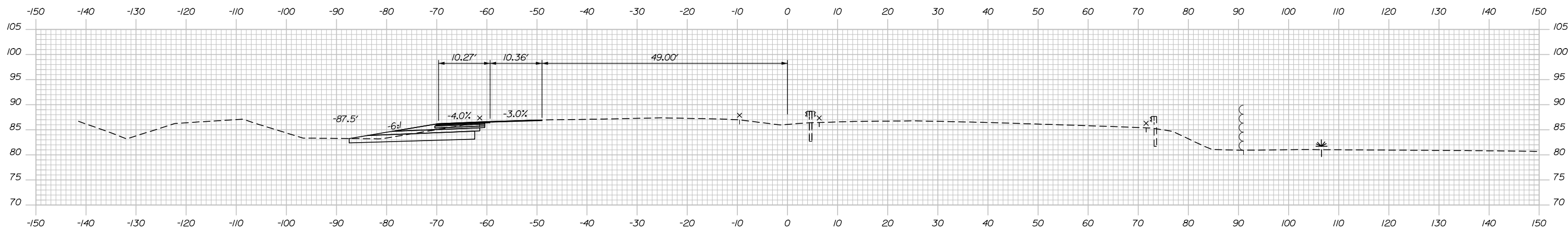
SHEET NUMBER: XS-12

118 OF 158

Filename: Xsect_L195_Mainline.dgn

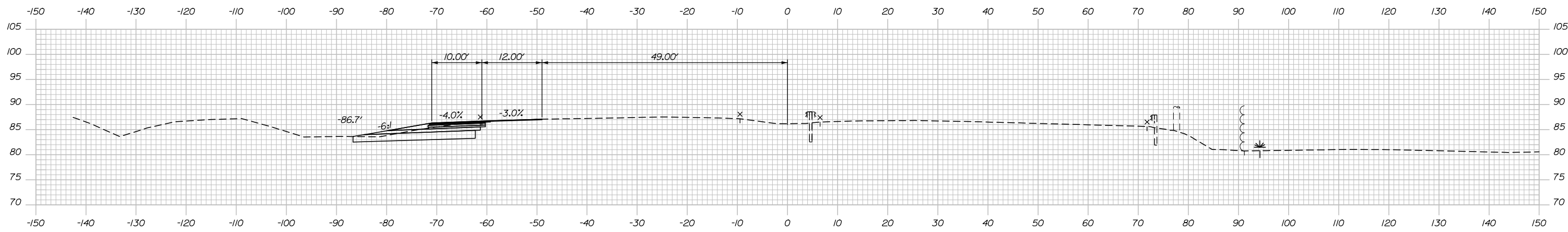
Date: 10/23/2019

C = 72 CY
F = 0 CY
G = 0 CY



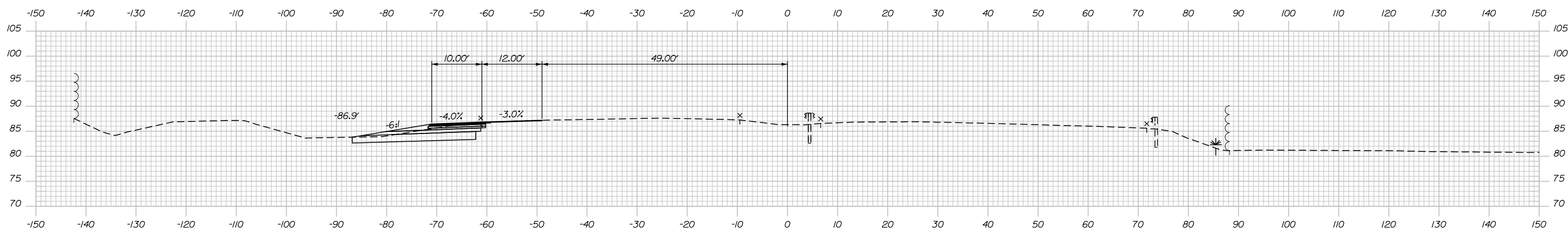
1247+50.00

C = 80 CY
F = 0 CY
G = 0 CY



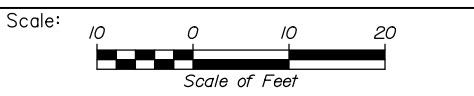
1247+00.00

C = 86 CY
F = 0 CY
G = 0 CY



1246+50.00

Filename: Xsect_L195_Mainline.dgn



No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

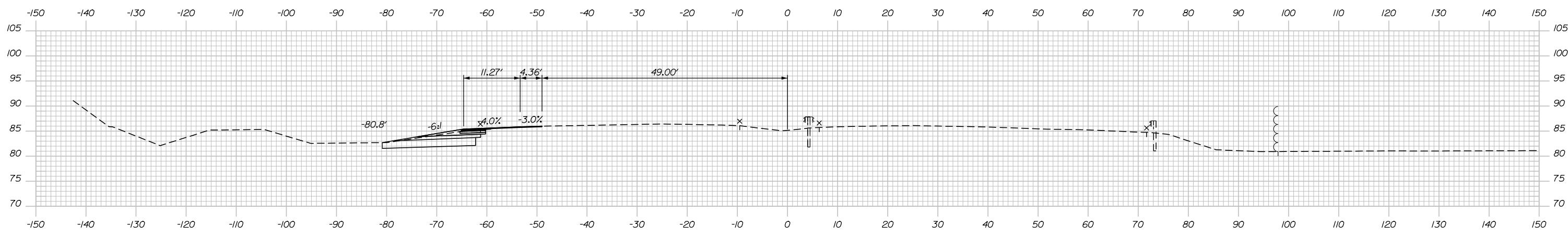
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1246+50 TO STA. 1247+50

SHEET NUMBER: XS-13
CONTRACT: 2019.02
119 OF 158

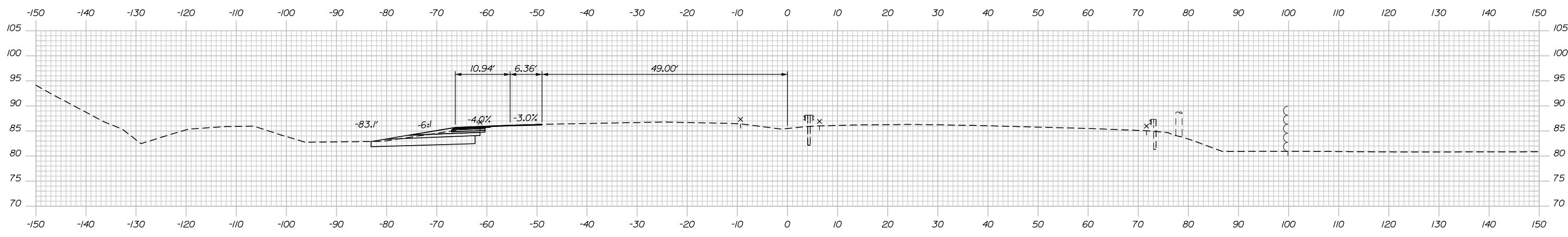
Date: 10/23/2019

C = 69 CY
F = 0 CY
G = 0 CY



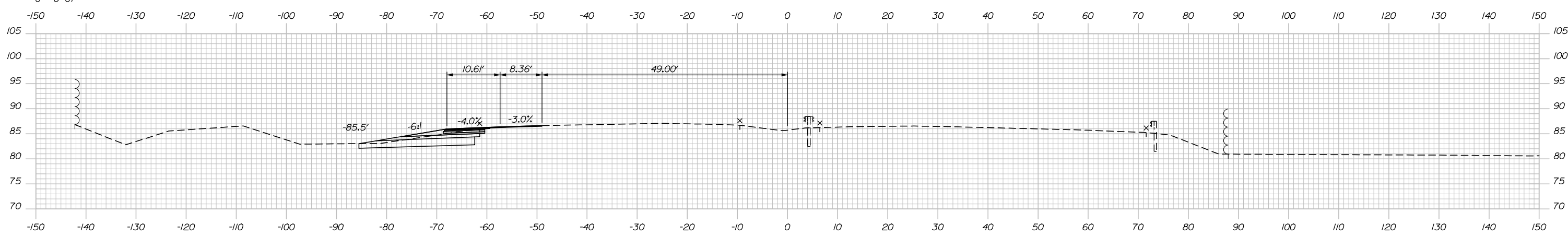
C = 71 CY
F = 0 CY
G = 0 CY

1249+00.00



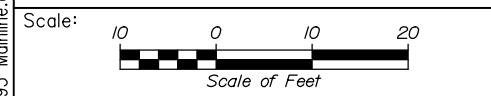
C = 72 CY
F = 0 CY
G = 0 CY

1248+50.00



1248+00.00

Filename: Xsect_L195_Mainline.dgn



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1248+00 TO STA. 1249+00

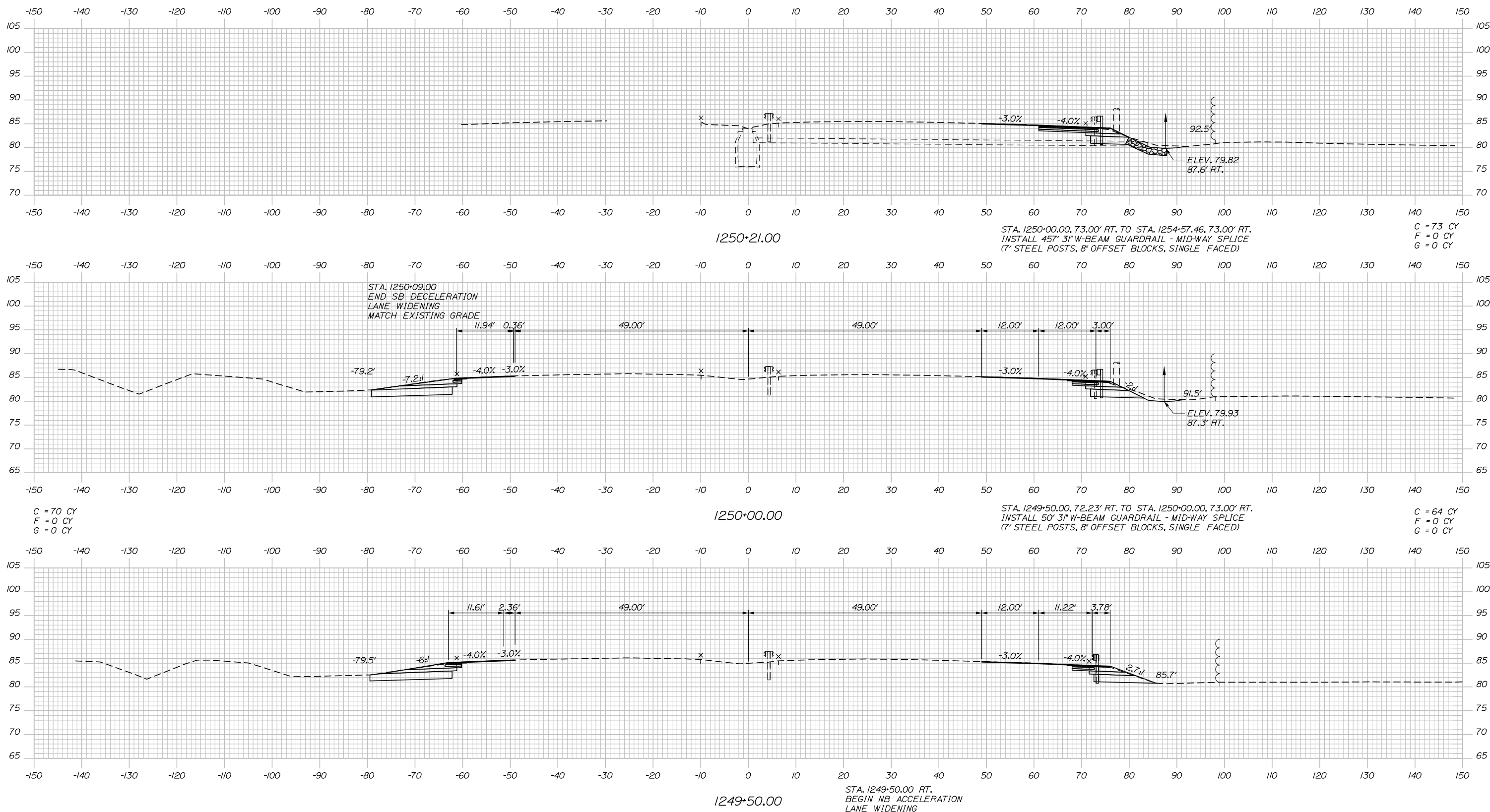
CONTRACT: 2019.02

SHEET NUMBER: XS-14

120 OF 158

Date: 10/23/2019

Filename: Xsect_L195_Mainline.dgn



Scale: Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

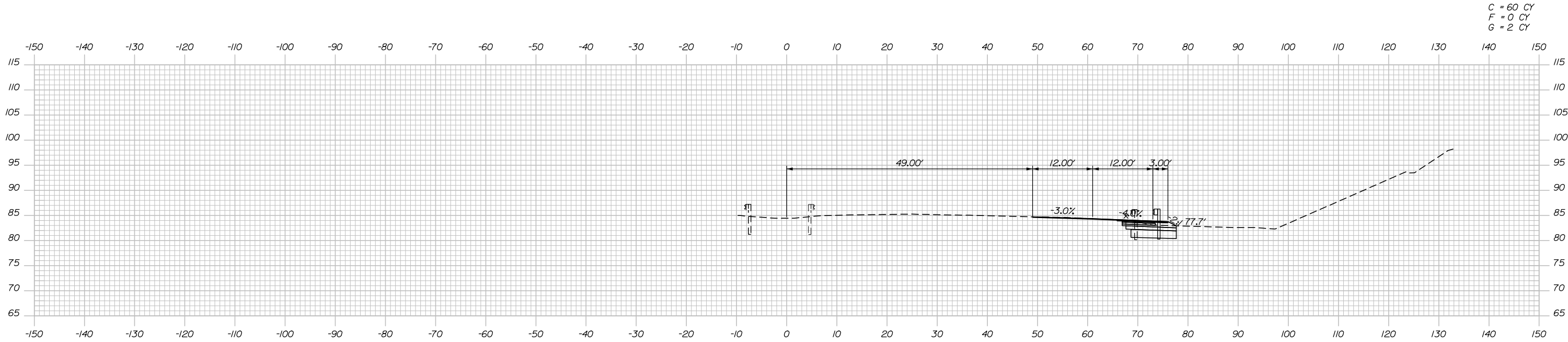
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - MAINLINE
 STA. 1249+50 TO STA. 1250+21

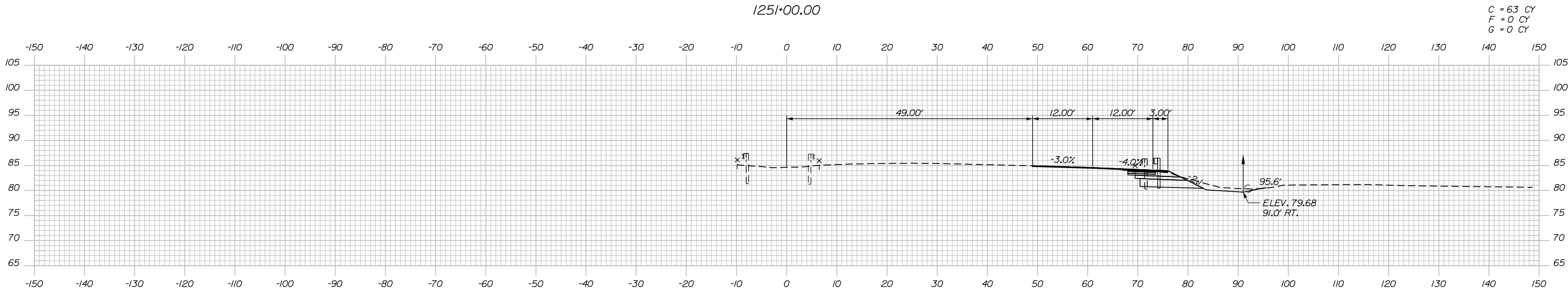
SHEET NUMBER: XS-15
 121 OF 158

CONTRACT: 2019.02

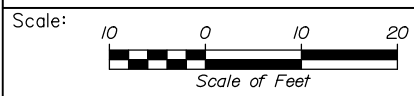
Date: 10/23/2019



1251+00.00



1250+50.00



Designed by:


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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

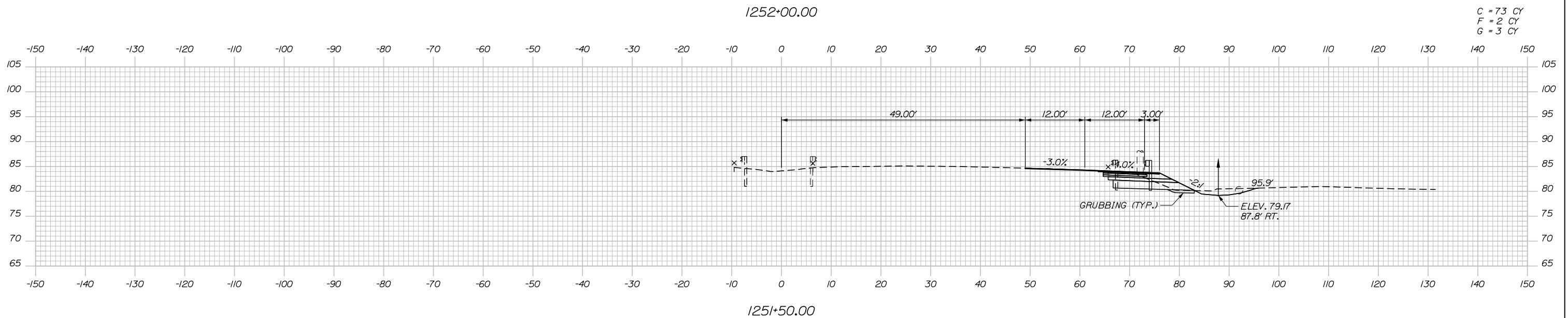
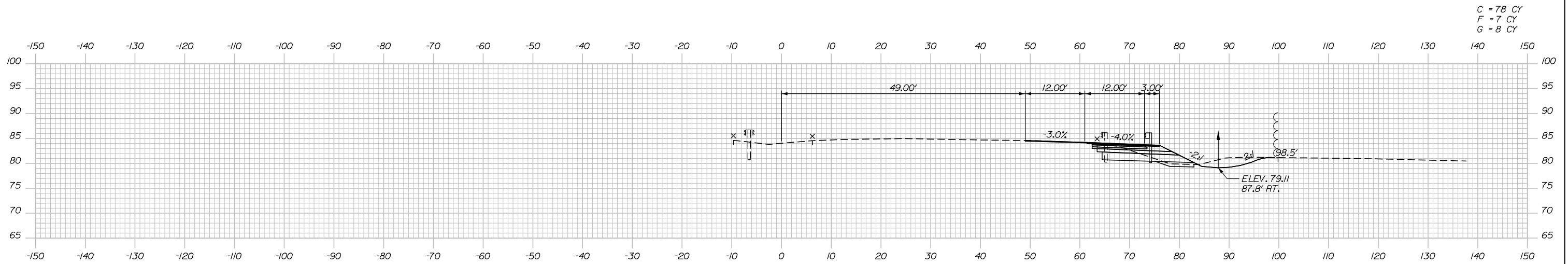
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - MAINLINE
 STA. 1250+50 TO STA. 1251+00

SHEET NUMBER: XS-16
 122 OF 158

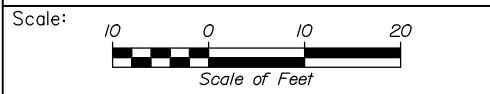
CONTRACT: 2019.02

Filename: Xsect_195_Mainline.dgn

Date: 10/23/2019



Filename: Xsect_195_Mainline.dgn



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

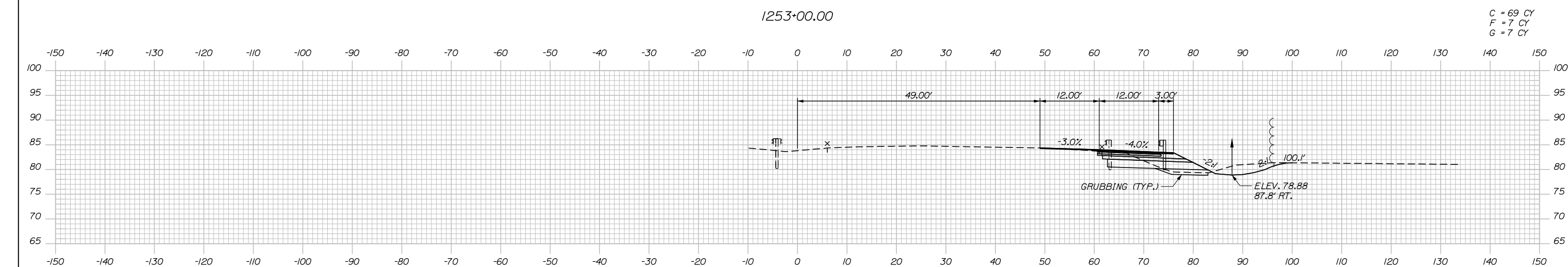
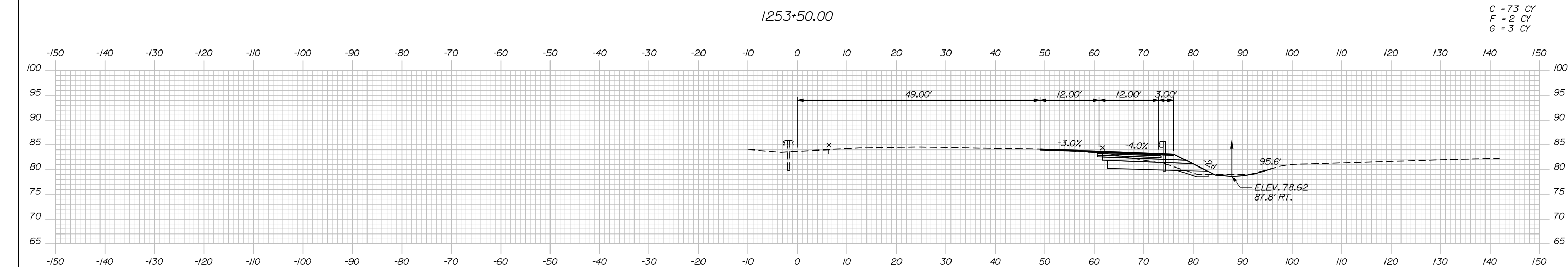
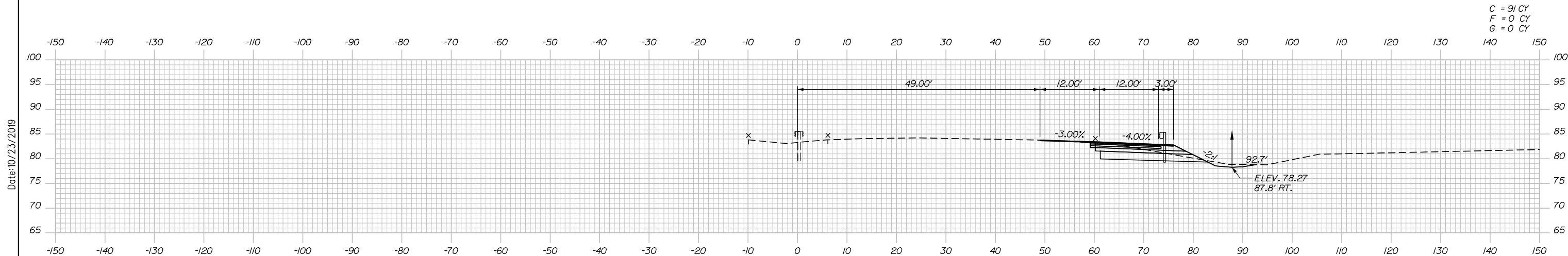
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1251+50 TO STA. 1252+00

SHEET NUMBER: XS-17
123 OF 158

CONTRACT: 2019.02

Date: 10/23/2019



Scale: Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

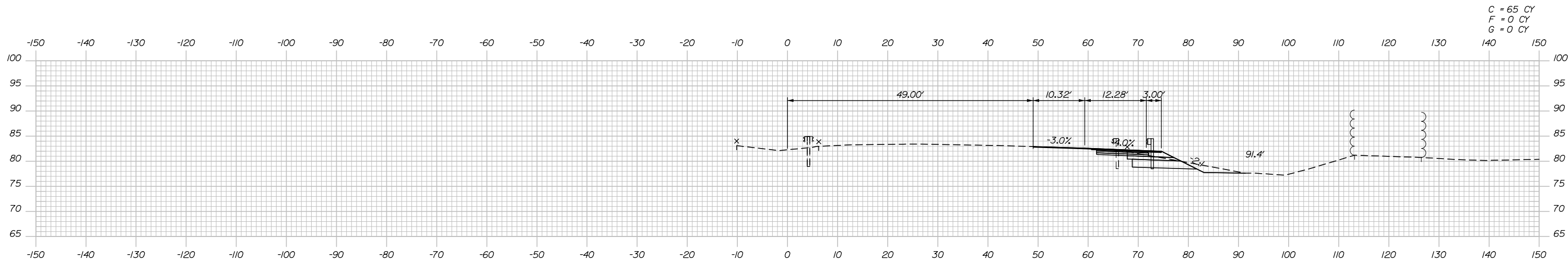
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - MAINLINE
 STA. 1252+50 TO STA. 1253+50

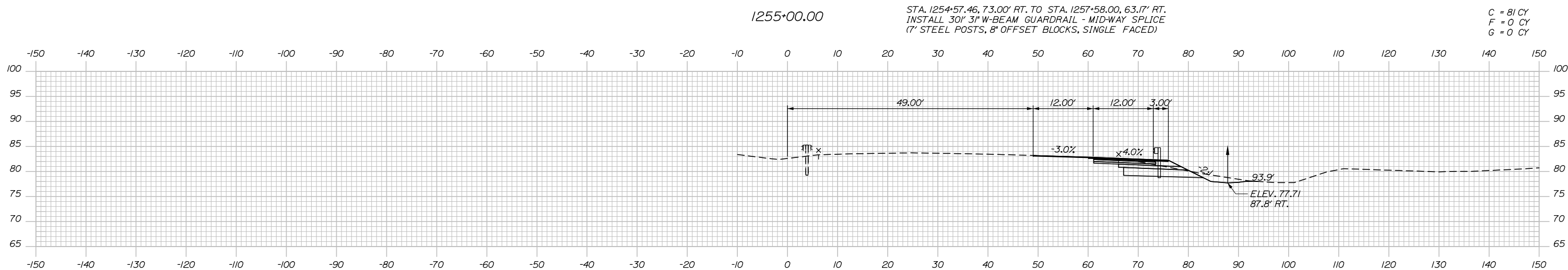
SHEET NUMBER: XS-18
 124 OF 158

CONTRACT: 2019.02

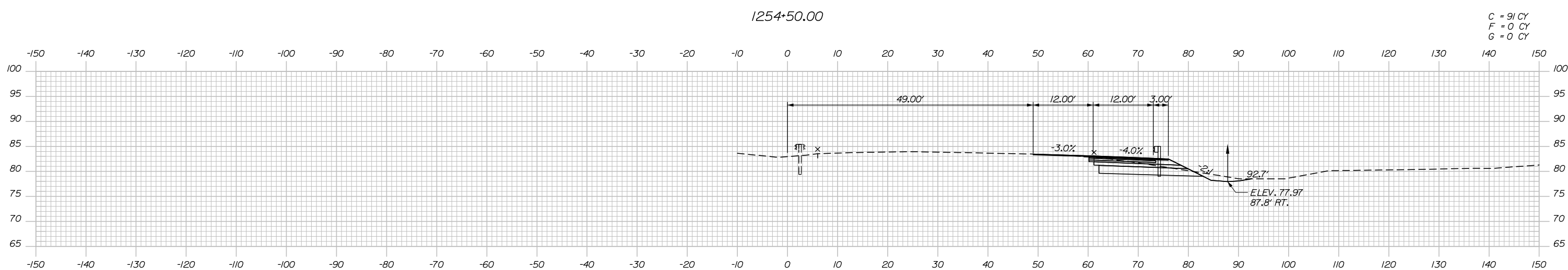
Date: 10/23/2019



C = 65 CY
F = 0 CY
G = 0 CY

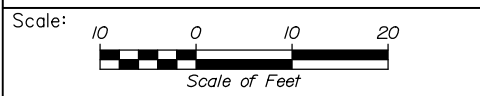


C = 81 CY
F = 0 CY
G = 0 CY



C = 91 CY
F = 0 CY
G = 0 CY

Filename: Xsect_L195_Mainline.dgn



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date	Checked	By	Date
Designed	CDH	10\19	DSS	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

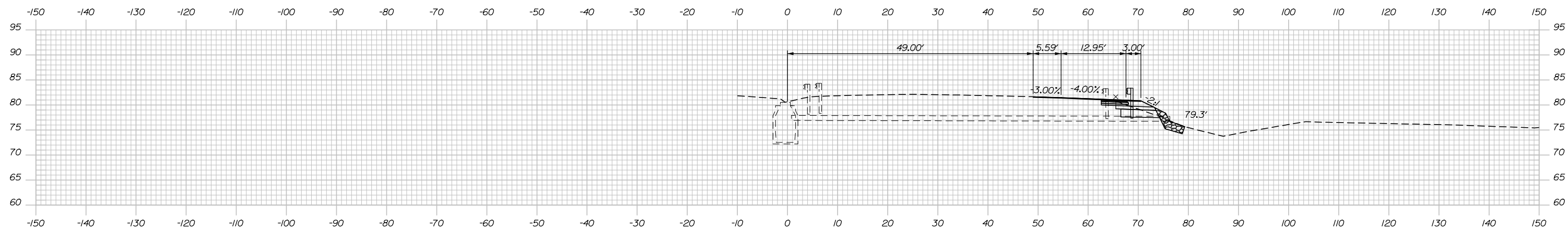
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1254+00 TO STA. 1255+00

SHEET NUMBER: XS-19
125 OF 158

CONTRACT: 2019.02

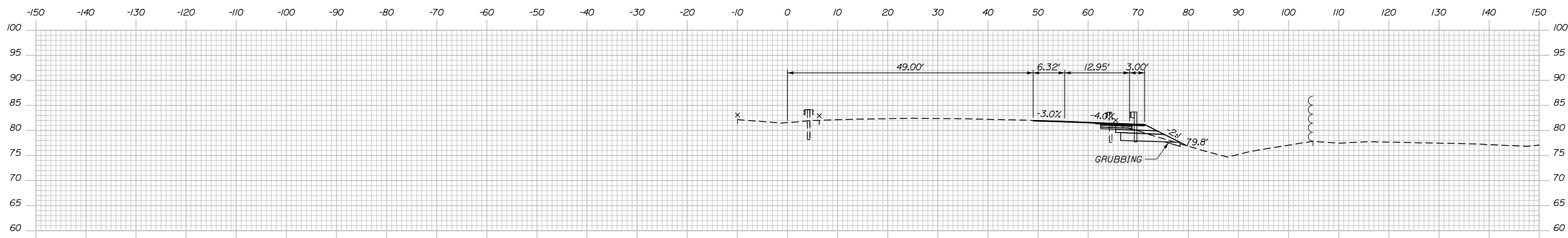
Date: 10/23/2019

Filename: Xsect_L195_Mainline.dgn



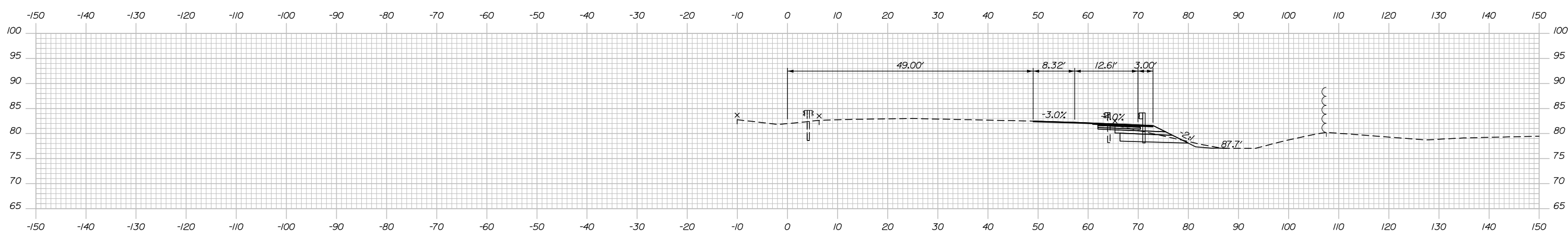
1256+22.00

C = 32 CY
F = 11 CY
G = 9 CY

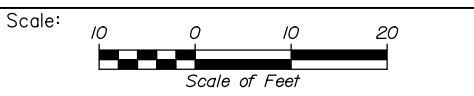


1256+00.00

C = 46 CY
F = 0 CY
G = 1 CY



1255+50.00



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

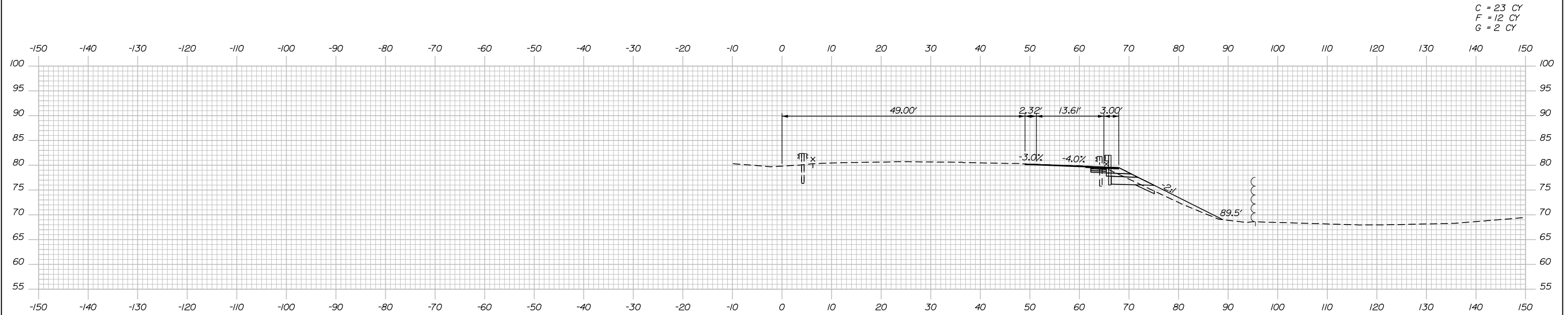
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1255+50 TO STA. 1256+22

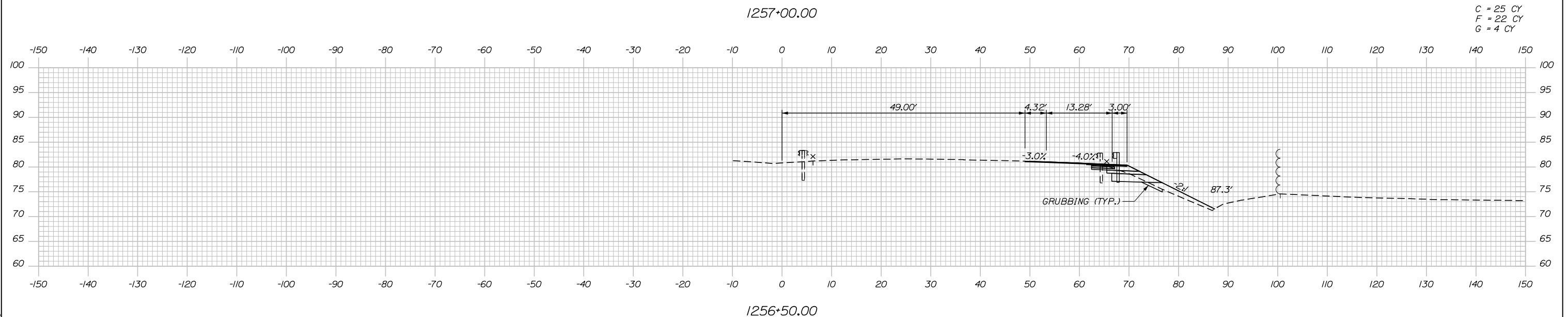
SHEET NUMBER: XS-20
126 OF 158

CONTRACT: 2019.02

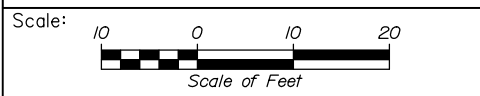
Date: 10/23/2019



1257+00.00



1256+50.00



Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

No.	Revision	By	Date

	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

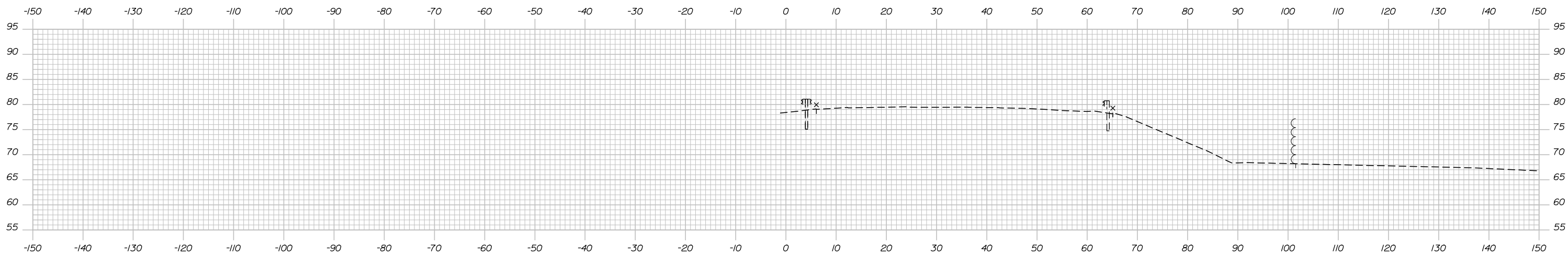
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1256+50 TO STA. 1257+00

SHEET NUMBER: XS-21
127 OF 158

CONTRACT: 2019.02

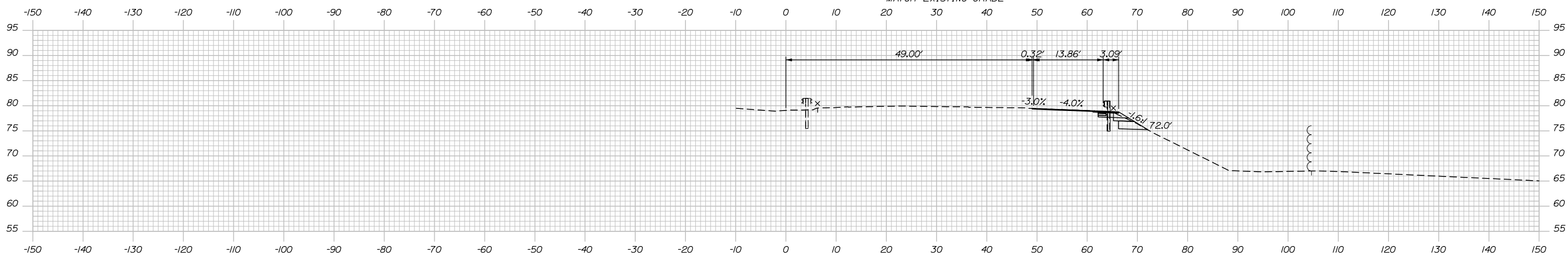
Filename: Xsect_L195_Mainline.dgn

Date: 10/23/2019

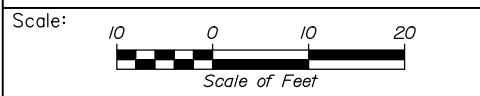


1258+00.00

STA. 1257+58.00 RT.
END NB ACCELERATION
LANE WIDENING
MATCH EXISTING GRADE



1257+50.00



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - MAINLINE
STA. 1257+50 TO STA. 1258+00

CONTRACT: 2019.02

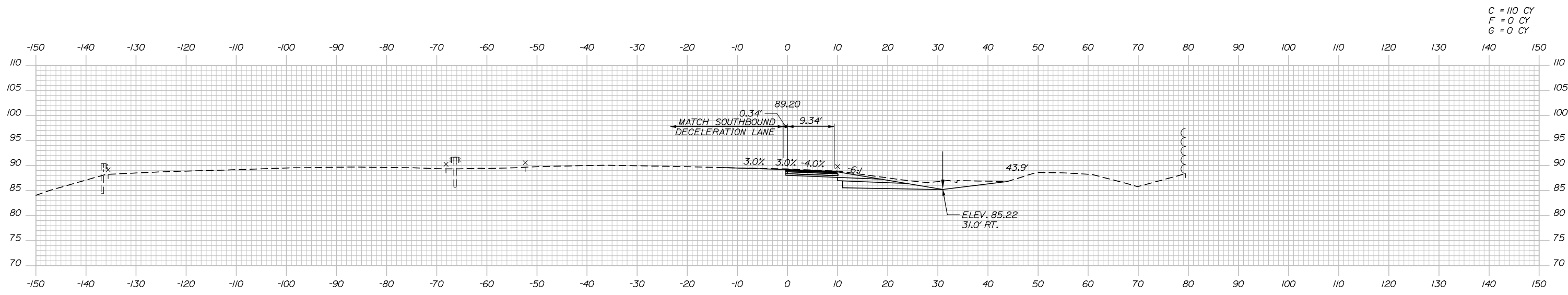
SHEET NUMBER: XS-22

128 OF 158

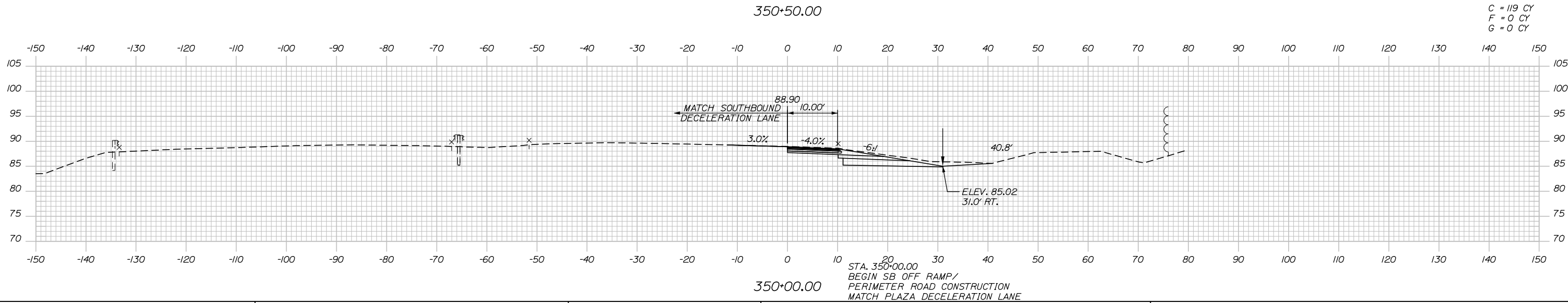
Filename: Xsect_L195_Mainline.dgn

Date: 10/23/2019

Filename: Xsect_SB_Perimeter_Road.dgn

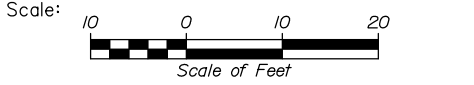


C = 110 CY
F = 0 CY
G = 0 CY



C = 119 CY
F = 0 CY
G = 0 CY

STA. 350+00.00
BEGIN SB OFF RAMP/
PERIMETER ROAD CONSTRUCTION
MATCH PLAZA DECELERATION LANE



Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

No.	Revision	By	Date

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

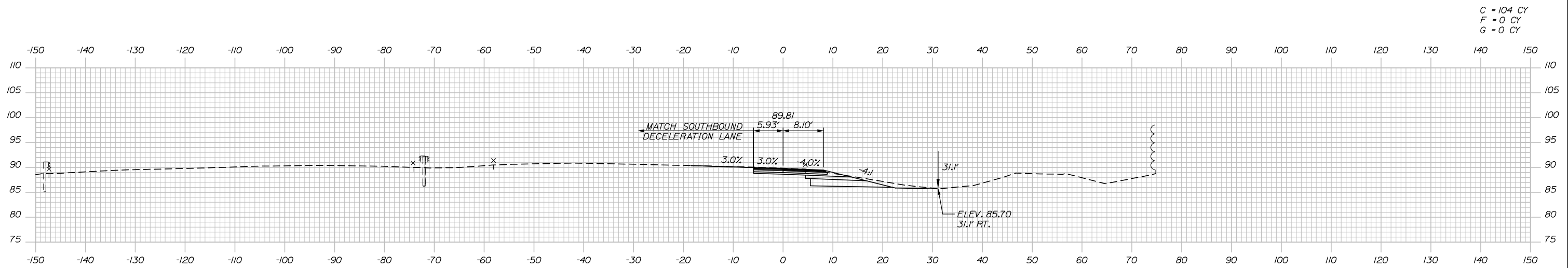
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 350+00 TO STA. 350+50

SHEET NUMBER: XS-23
129 OF 158

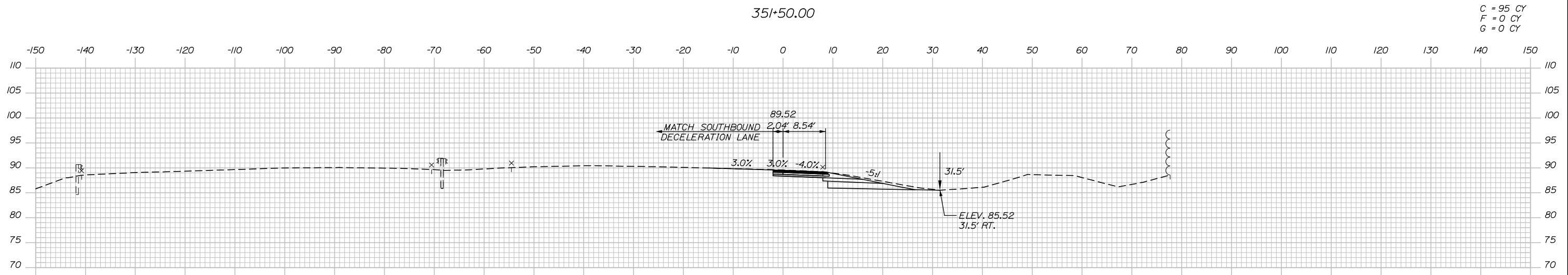
CONTRACT: 2019.02

Date: 10/23/2019

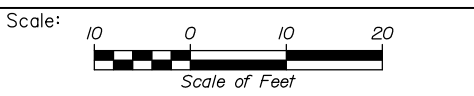
Filename: Xsect_SB_Perimeter_Road.dgn



351+50.00



351+00.00



Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date	Checked	By	Date
Designed	CDH	10\19	DSS	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

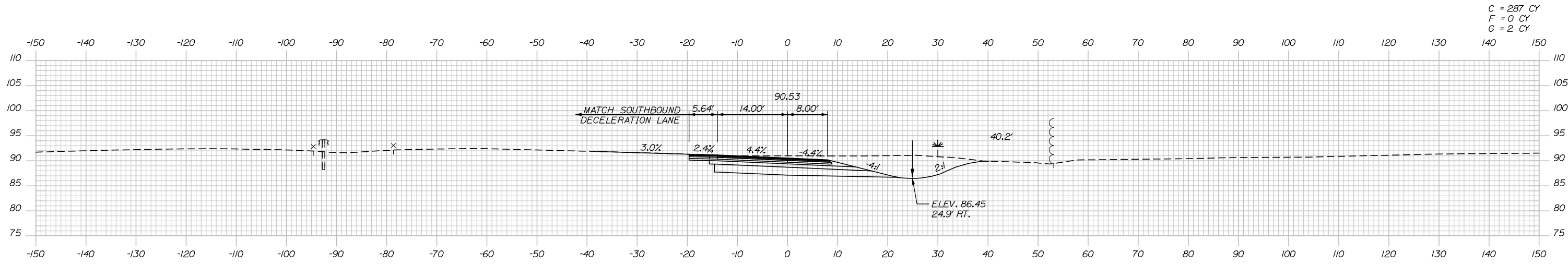
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - SB PERIMETER ROAD
 STA. 351+00 TO STA. 351+50

SHEET NUMBER: XS-24
 130 OF 158

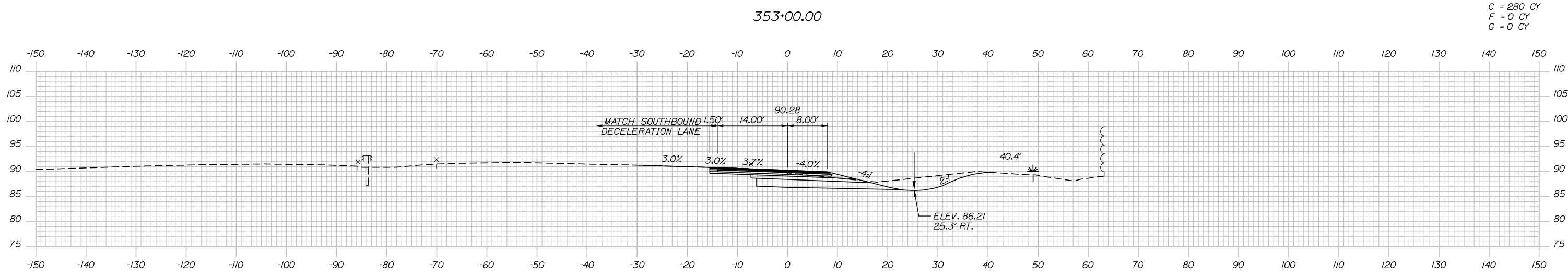
CONTRACT: 2019.02

Date: 10/23/2019

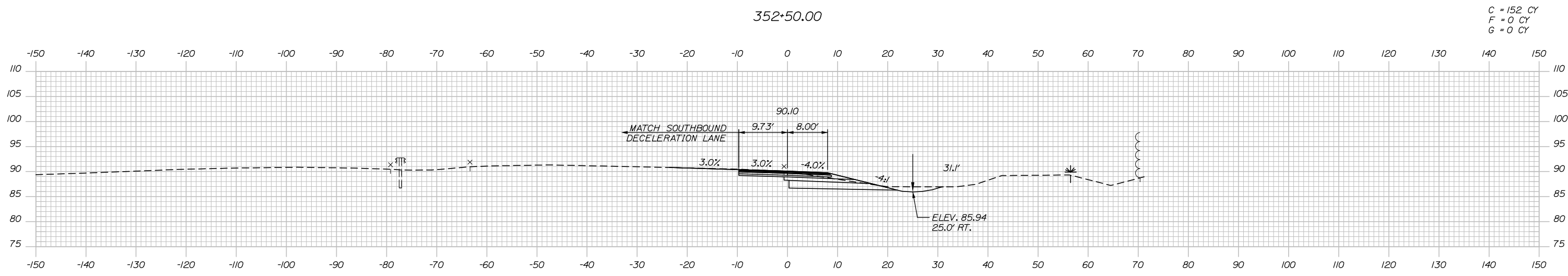
Filename: Xsect_SB_Perimeter_Road.dgn



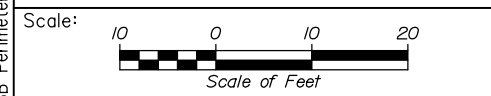
C = 287 CY
F = 0 CY
G = 2 CY



C = 280 CY
F = 0 CY
G = 0 CY



C = 152 CY
F = 0 CY
G = 0 CY



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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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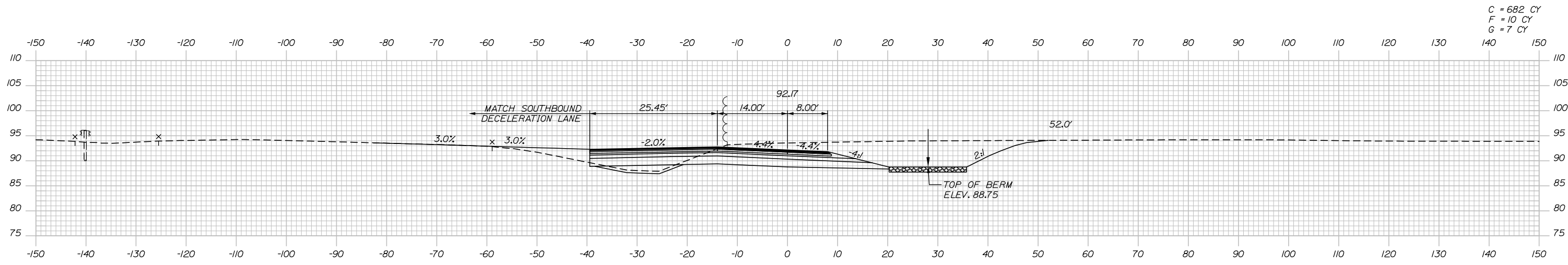
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 352+00 TO STA. 353+00

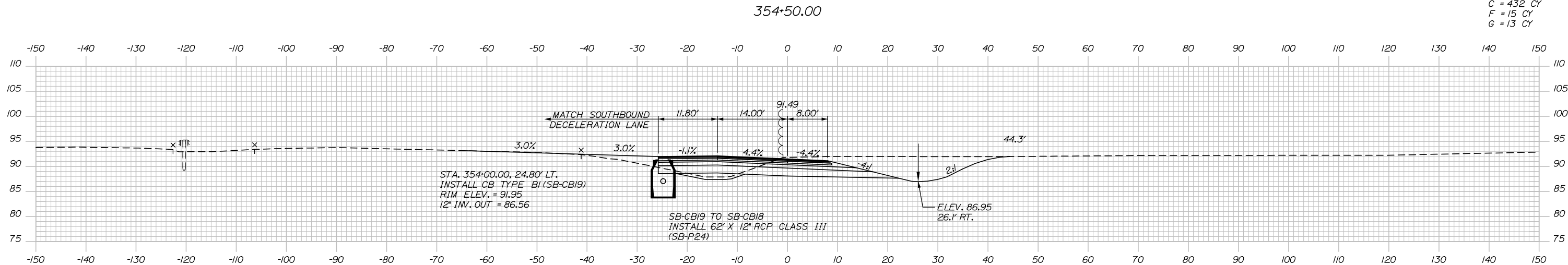
SHEET NUMBER: XS-25
CONTRACT: 2019.02
131 OF 158

Date: 10/23/2019

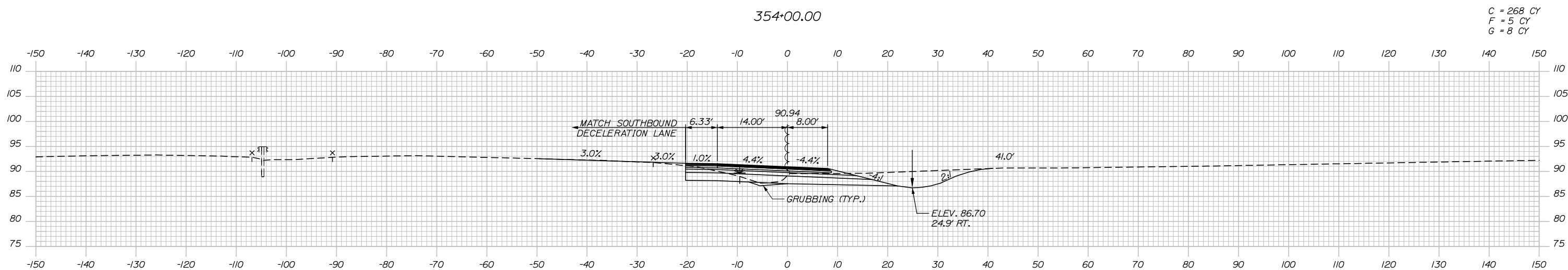
Filename: Xsect_SB_Perimeter_Road.dgn



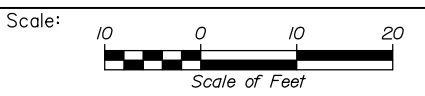
C = 682 CY
F = 10 CY
G = 7 CY



C = 432 CY
F = 15 CY
G = 13 CY



C = 268 CY
F = 5 CY
G = 8 CY




Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	By	Date
Designed	CDH 10\19	Checked	DSS 10\19
Drawn	CDH 10\19	In Charge of	RAL 10\19

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MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

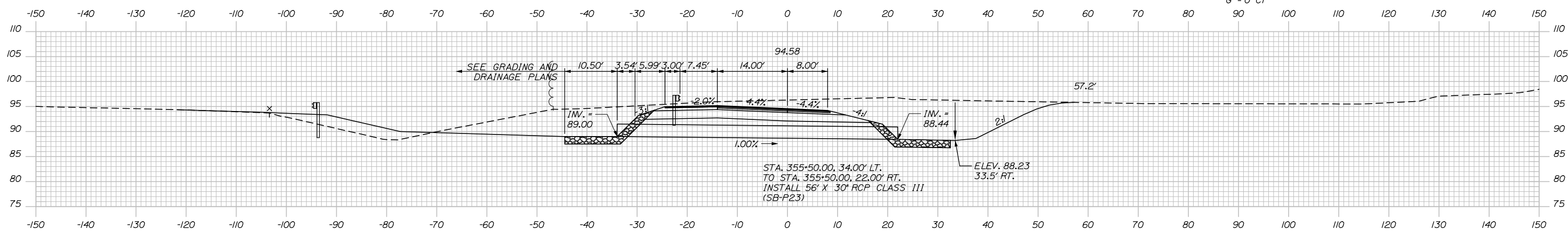
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 353+50 TO STA. 354+50

SHEET NUMBER: XS-26
CONTRACT: 2019.02
132 OF 158

Date: 10/23/2019

Filename: Xsect_SB_Perimeter_Road.dgn

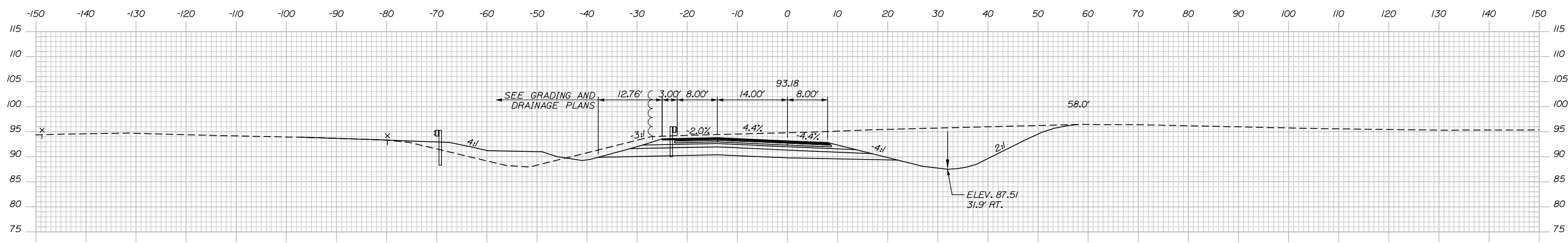
C = 826 CY
F = 0 CY
G = 0 CY



STA. 355+07.24, 20.16' LT. TO STA. 360+86.85, 20.00' LT.
INSTALL 57' 3" W-BEAM GUARDRAIL - MID-WAY SPLICE
(7' STEEL POSTS, 8" OFFSET BLOCKS, SINGLE FACED)

355+50.00

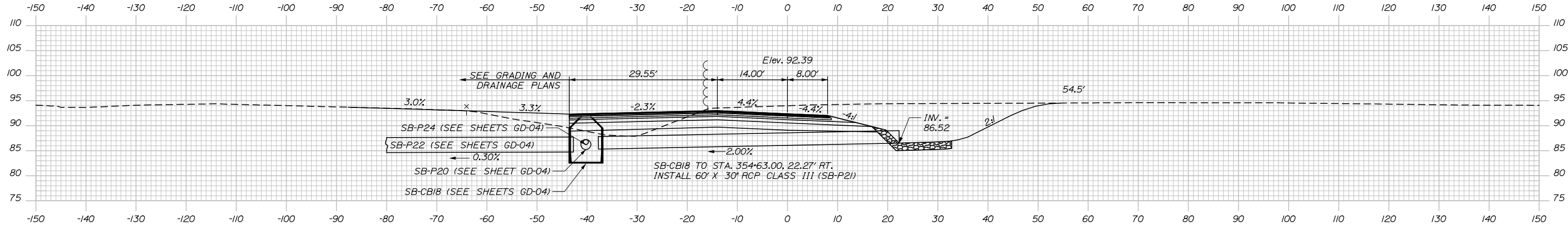
C = 845 CY
F = 0 CY
G = 0 CY



STA. 355+07.24, 20.16' LT.
INSTALL 3" W-BEAM GUARDRAIL - MID-WAY SPLICE
FLARED TERMINAL

355+00.00

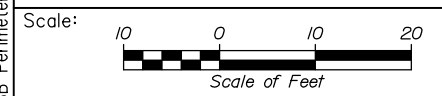
STA. 355+00.00 RT. TO STA. 357+50.00 RT.
CONSTRUCT SHOULDER WITH FULL DEPTH PAVEMENT



SB-P24 (SEE SHEETS GD-04)
SB-P22 (SEE SHEETS GD-04)
SB-P20 (SEE SHEET GD-04)
SB-CB18 (SEE SHEETS GD-04)

SB-CB18 TO STA. 354+63.00, 22.27' RT.
INSTALL 60" X 30" RCP CLASS III (SB-P21)

354+63.00



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 355+00 TO STA. 355+50

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
By	Date	Checked	Date
CDH	10\19	DSS	10\19
Drawn	Date	In Charge of	Date
CDH	10\19	RAL	10\19

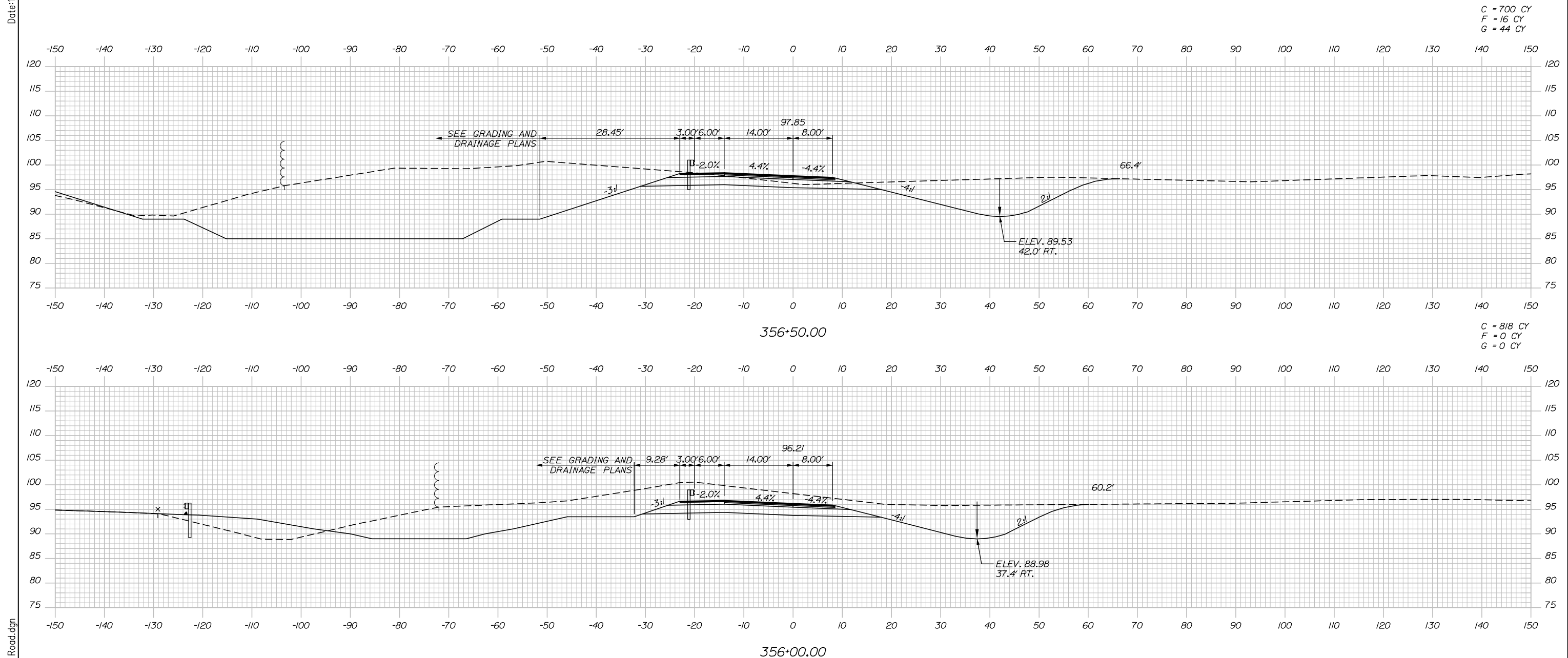
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

SHEET NUMBER: XS-27

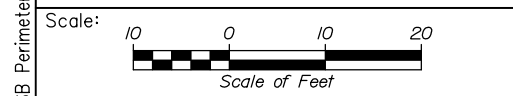
133 OF 158

Date: 10/23/2019



C = 700 CY
F = 16 CY
G = 44 CY

C = 818 CY
F = 0 CY
G = 0 CY



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 356+00 TO STA. 356+50

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
	By	Date	
	CDH	10\19	
	Checked	DSS	10\19
	By	Date	
	CDH	10\19	
	In Charge of	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

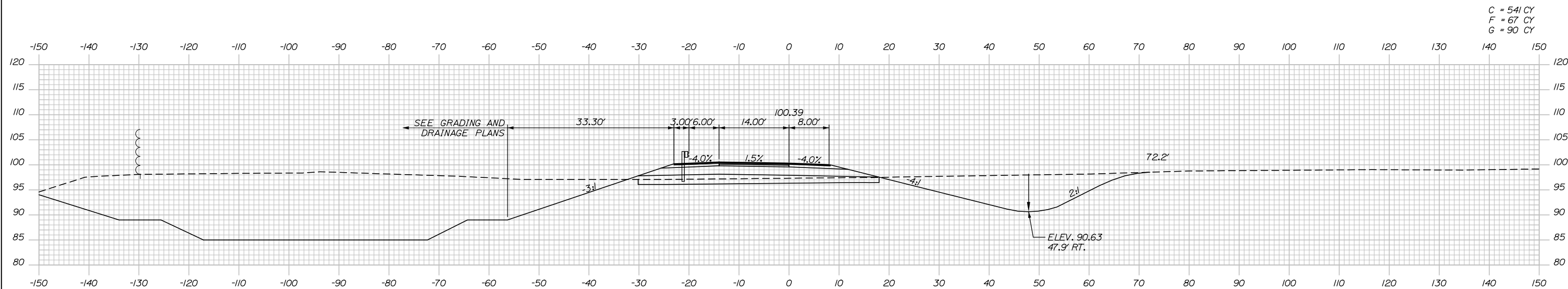
CONTRACT: 2019.02

SHEET NUMBER: XS-28

134 OF 158

Filename: Xsect_SB_Perimeter_Road.dgn

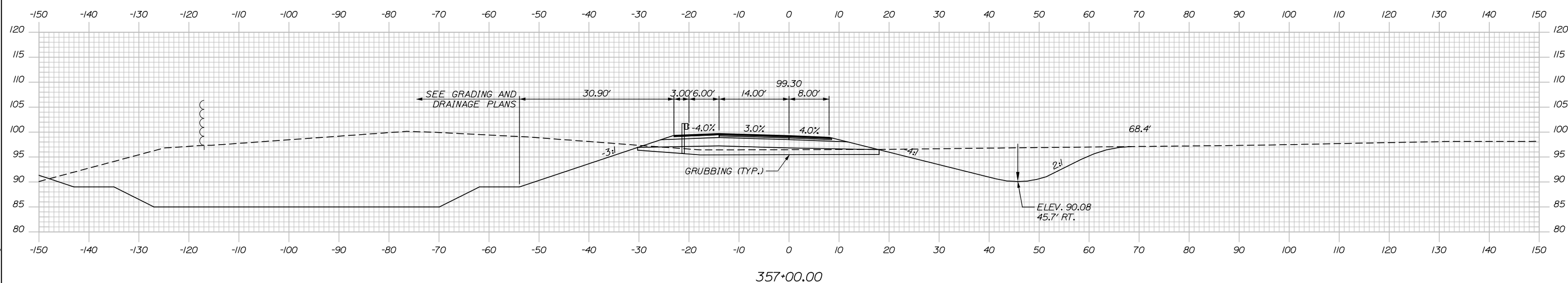
Date: 10/23/2019



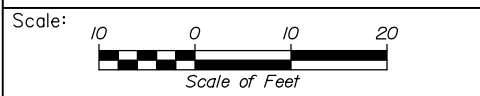
C = 541 CY
F = 67 CY
G = 90 CY

357+50.00

C = 556 CY
F = 45 CY
G = 88 CY



357+00.00



Designed by:



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KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 357+00 TO STA. 357+50

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
Designed	By CDH	Date 10\19	Checked DSS 10\19
Drawn	By CDH	Date 10\19	In Charge of RAL 10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

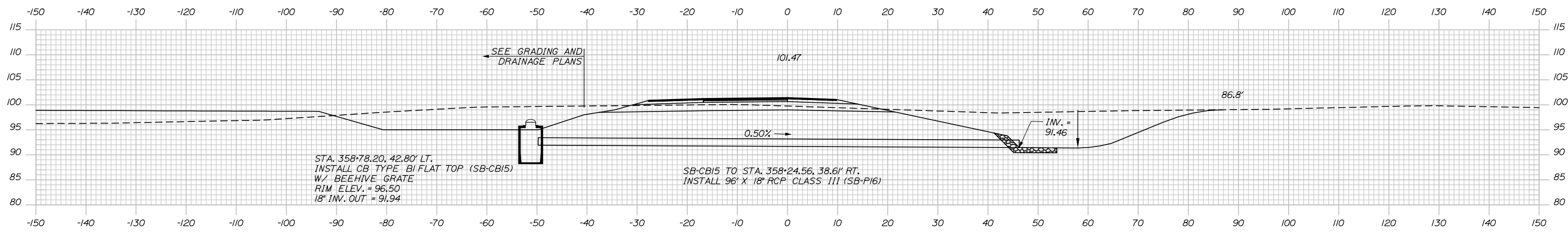
SHEET NUMBER: XS-29

135 OF 158

Filename: Xsect_SB_Perimeter_Road.dgn

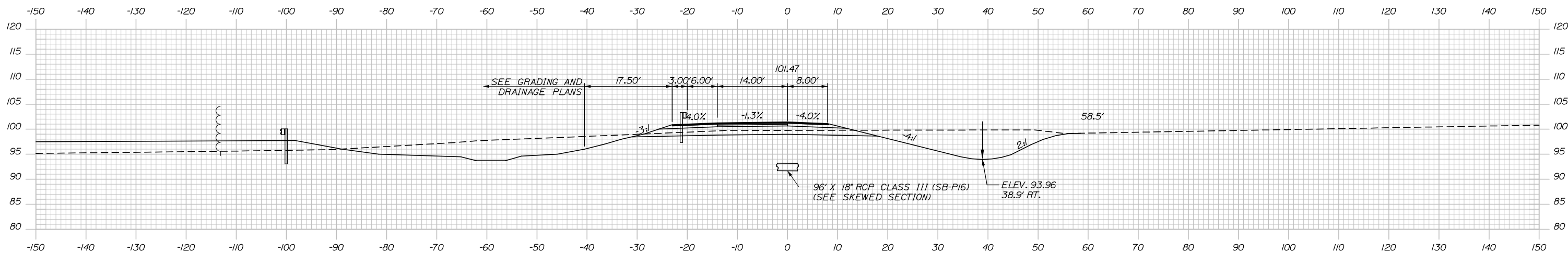
Date: 10/23/2019

Filename: Xsect_SB_Perimeter_Road.dgn



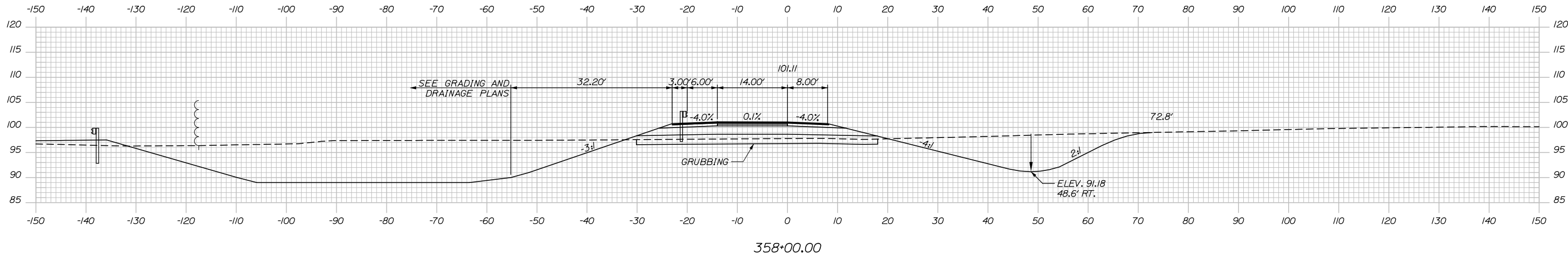
358+50.00 (SKEWED)

C = 488 CY
F = 0 CY
G = 0 CY

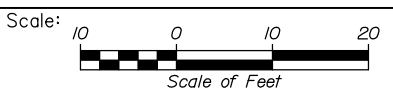


358+50.00

C = 438 CY
F = 38 CY
G = 45 CY



358+00.00



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 358+00 TO STA. 358+50

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

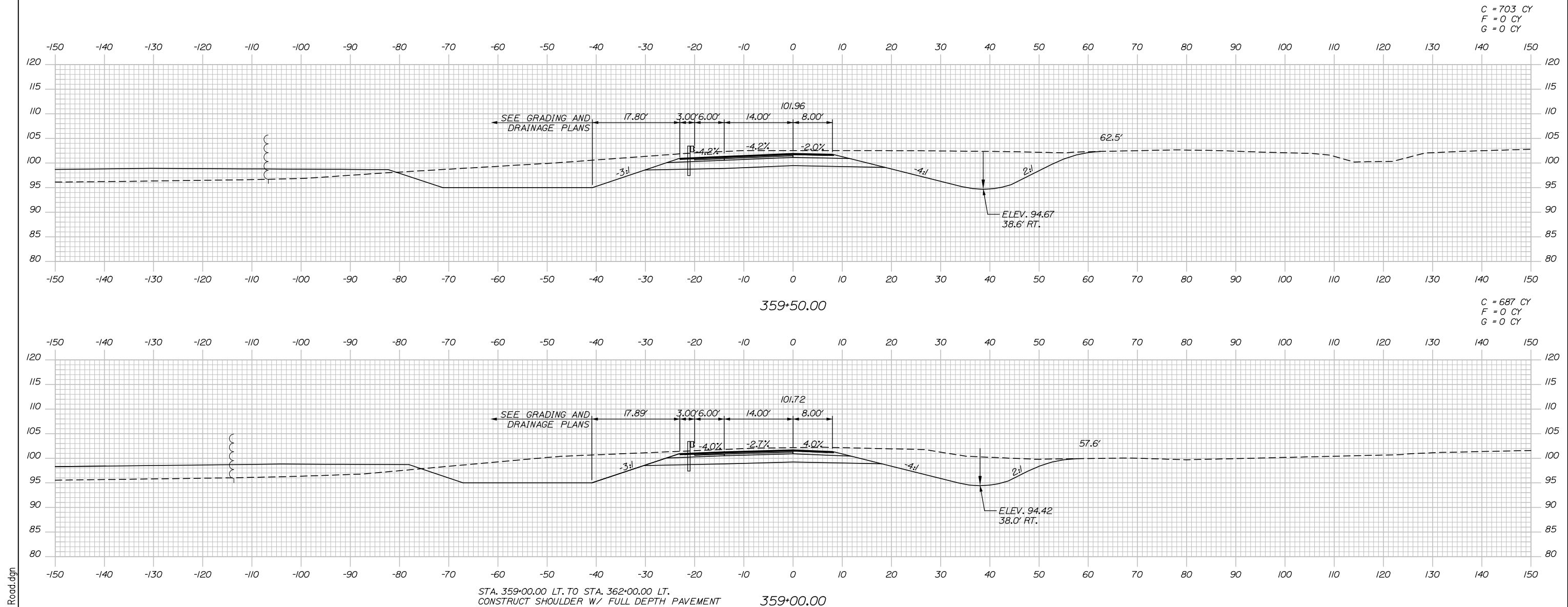
SHEET NUMBER: XS-30

136 OF 158

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
	By	Date	
	CDH	10\19	
	Checked	DSS	10\19
		In Charge of	RAL
			10\19

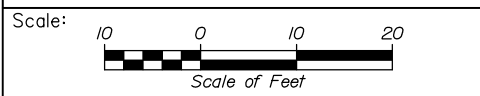
Date: 10/23/2019



C = 703 CY
F = 0 CY
G = 0 CY

C = 687 CY
F = 0 CY
G = 0 CY

Filename: Xsect_SB_Perimeter_Road.dgn



Designed by:



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MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 359+00 TO STA. 359+50

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

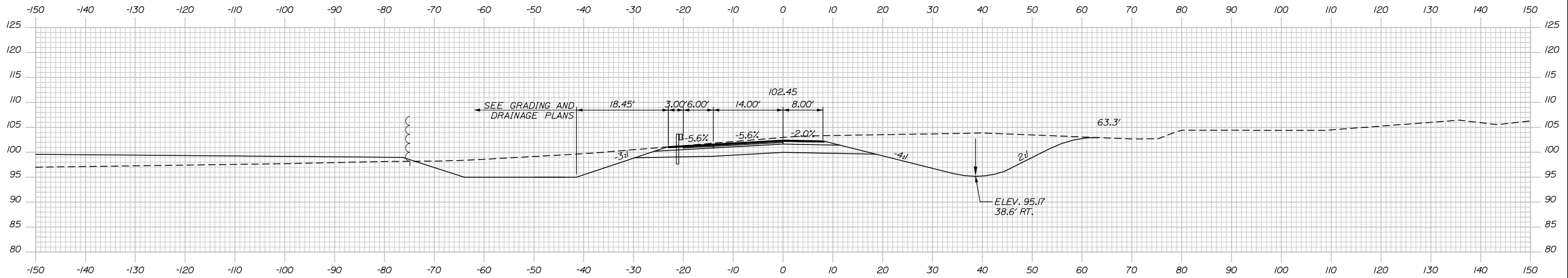
SHEET NUMBER: XS-31

137 OF 158

Date: 10/23/2019

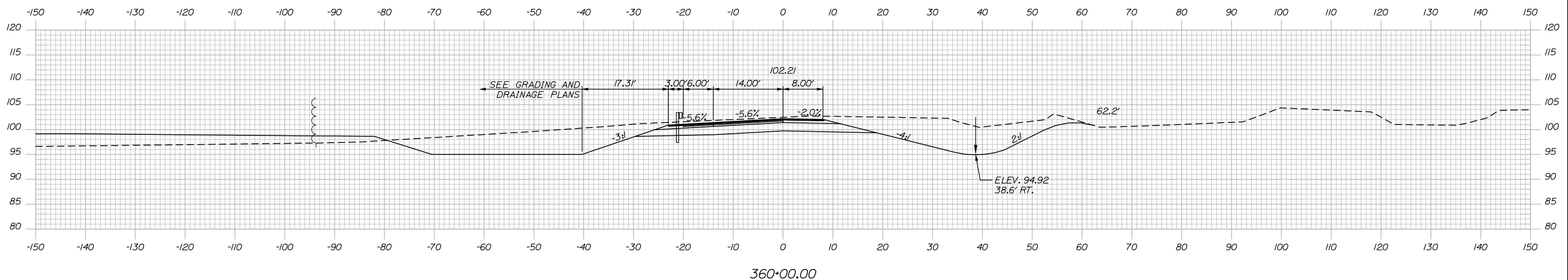
STA. 360+86.85, 20.00' LT TO STA. 360+96.78, 20.00' LT.
 INSTALL TERMINAL END - ANCHORED END 31" W-BEAM GUARDRAIL

C = 786 CY
 F = 0 CY
 G = 0 CY

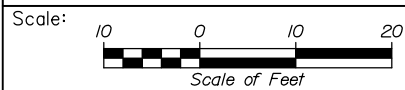


360+50.00

C = 706 CY
 F = 0 CY
 G = 0 CY



360+00.00



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THE GOLD STAR
 MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - SB PERIMETER ROAD
 STA. 360+00 TO STA. 360+50

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.			
Designed	By	Date	Checked
	CDH	10\19	DSS
Drawn	By	Date	In Charge of
	CDH	10\19	RAL

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

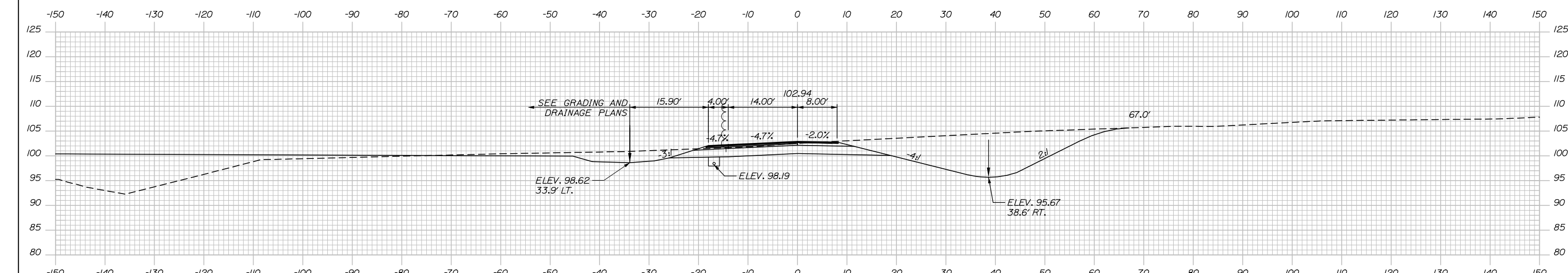
CONTRACT: 2019.02

SHEET NUMBER: XS-32

138 OF 158

Filename: Xsect_SB_Perimeter_Road.dgn

Date: 10/23/2019



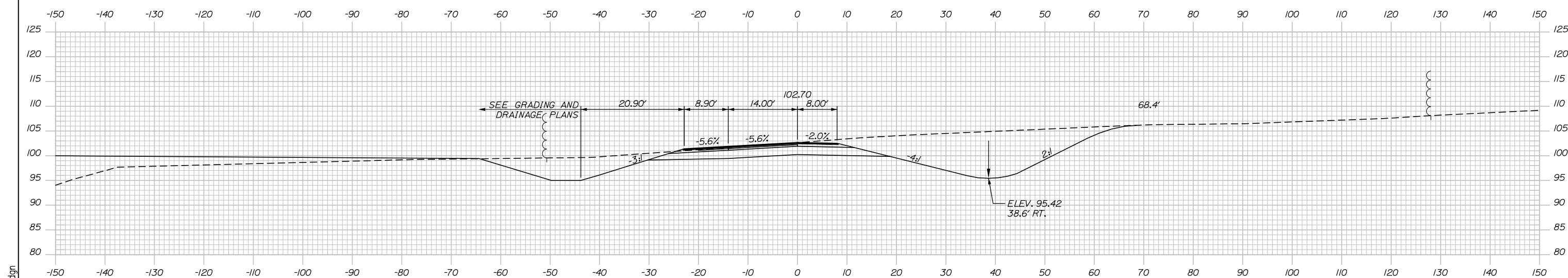
C = 599 CY
F = 0 CY
G = 0 CY

STA. 361+12.88, 33.34' LT.
TO STA. 361+30.36, 16.90' LT.
INSTALL 23' X 6' UD OUTLET

STA. 361+30.36, 16.90' LT.
TO STA. 361+50.00, 16.90' LT.
INSTALL 419' X 6' UD TYPE B

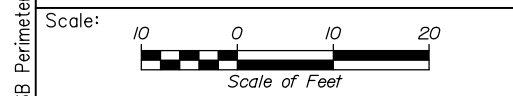
361+50.00

C = 747 CY
F = 0 CY
G = 0 CY



STA. 360+86.90, 20.00' LT. TO STA. 360+96.86, 20.00' LT.
INSTALL TERMINAL END - ANCHORED END, 31" W-BEAM GUARDRAIL

361+00.00



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

No.	Revision	By	Date

	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

HNTB CORPORATION
340 County Road, Suite 6-C
Westbrook, ME 04092
TEL (207) 774-5155
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

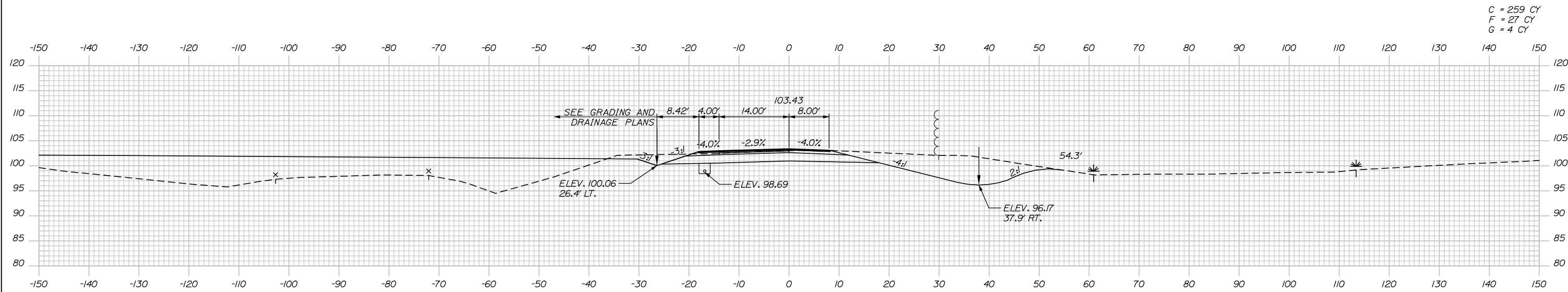
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 361+00 TO STA. 361+50

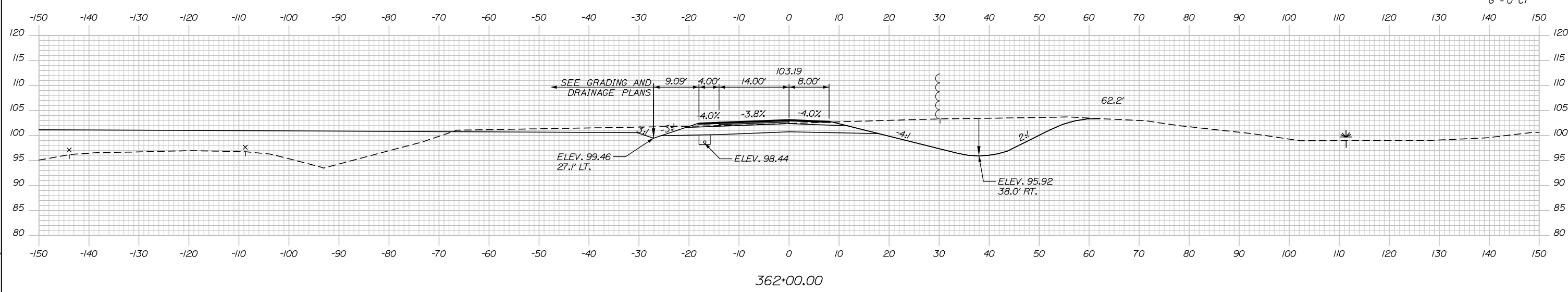
SHEET NUMBER: XS-33
CONTRACT: 2019.02
139 OF 158

Filename: Xsect_SB_Perimeter_Road.dgn

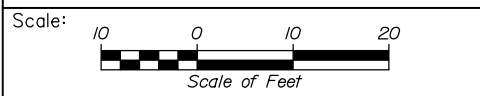
Date: 10/23/2019



362+50.00



362+00.00



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
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Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

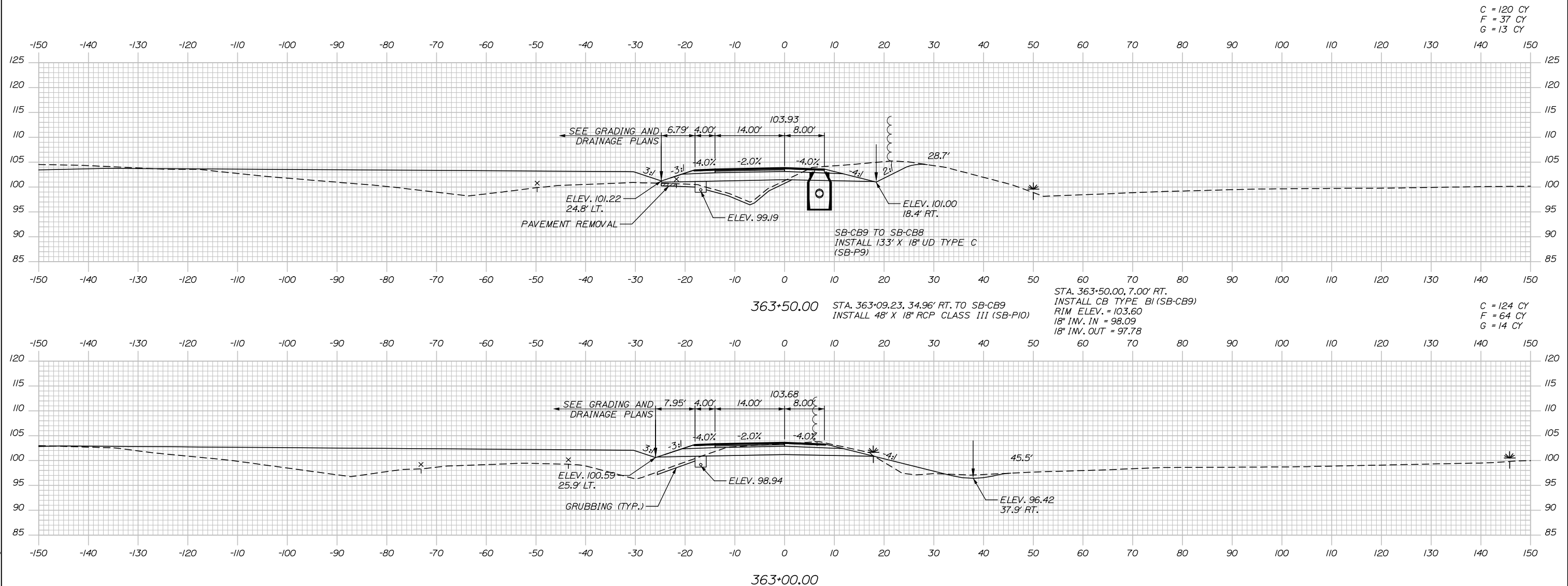
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 362+00 TO STA. 362+50

SHEET NUMBER: XS-34
140 OF 158

CONTRACT: 2019.02

Filename: Xsect_SB_Perimeter_Road.dgn

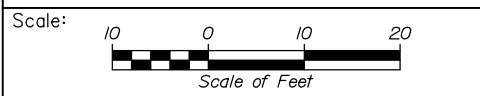
Date: 10/23/2019



C = 120 CY
F = 37 CY
G = 13 CY

C = 124 CY
F = 64 CY
G = 14 CY

Filename: Xsect_SB_Perimeter_Road.dgn



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

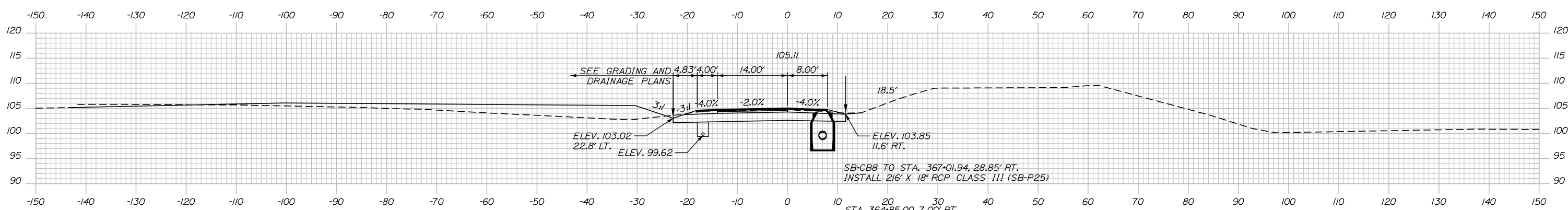
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 363+00 TO STA. 363+50

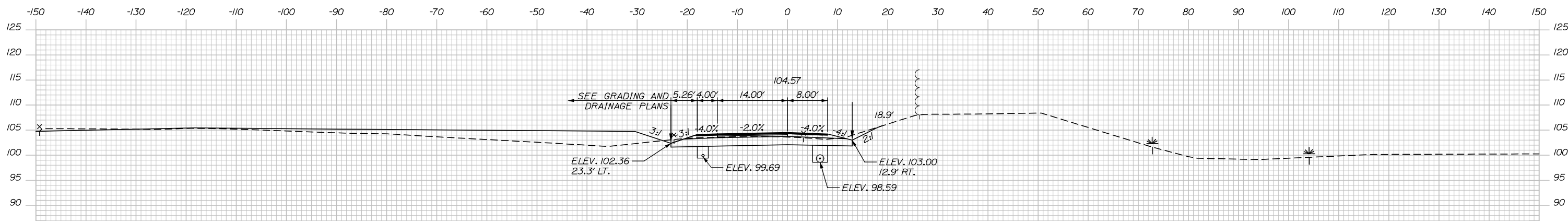
SHEET NUMBER: XS-35
CONTRACT: 2019.02
141 OF 158

Date: 10/23/2019

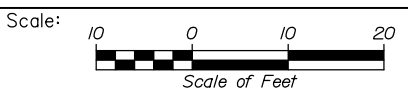
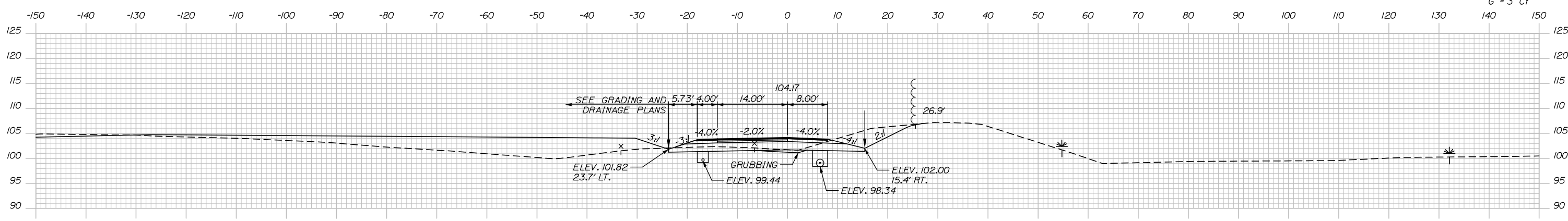
Filename: Xsect_SB_Perimeter_Road.dgn



C = 127 CY
F = 0 CY
G = 0 CY



C = 114 CY
F = 0 CY
G = 3 CY



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

No.	Revision	By	Date

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

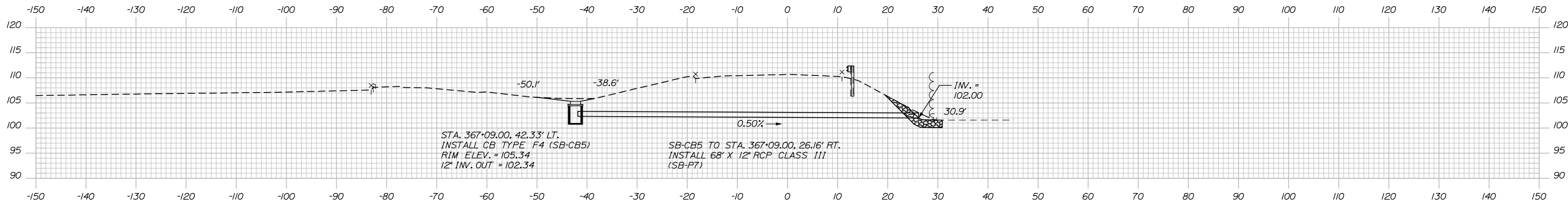
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 364+00 TO STA. 364+50

SHEET NUMBER: XS-36
142 OF 158

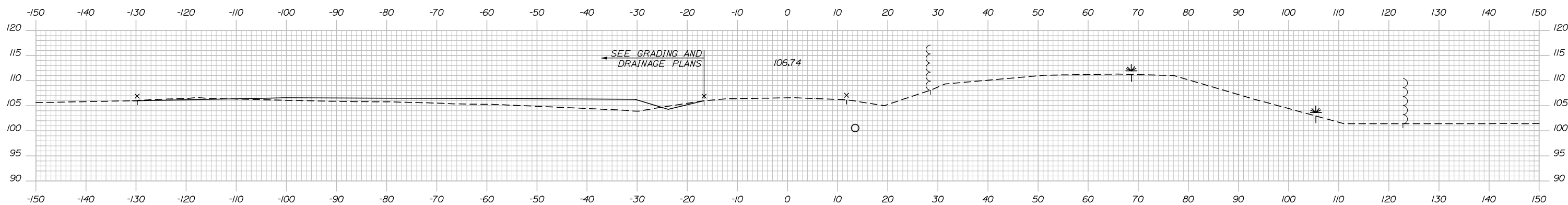
CONTRACT: 2019.02

Date: 10/23/2019

Filename: Xsect_SB_Perimeter_Road.dgn

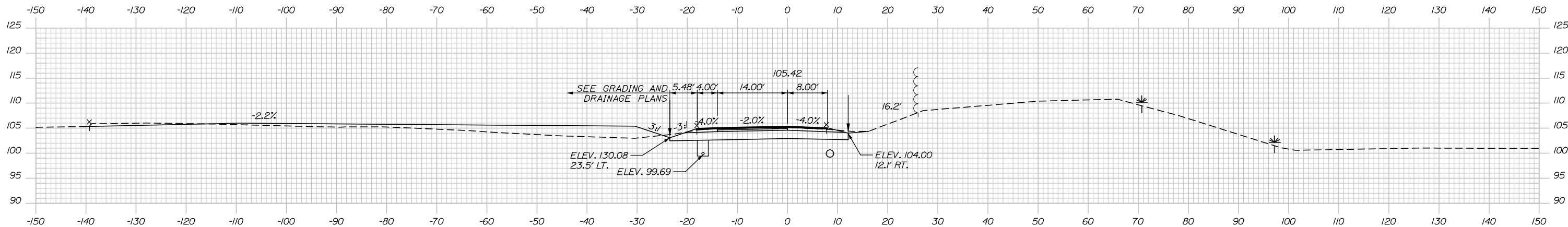


367+09.00

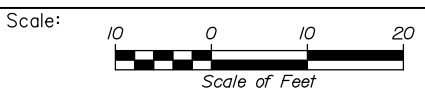


365+50.00

C = 70 CY
F = 0 CY
G = 0 CY



365+00.00



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - SB PERIMETER ROAD
STA. 365+00 TO STA. 365+50

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

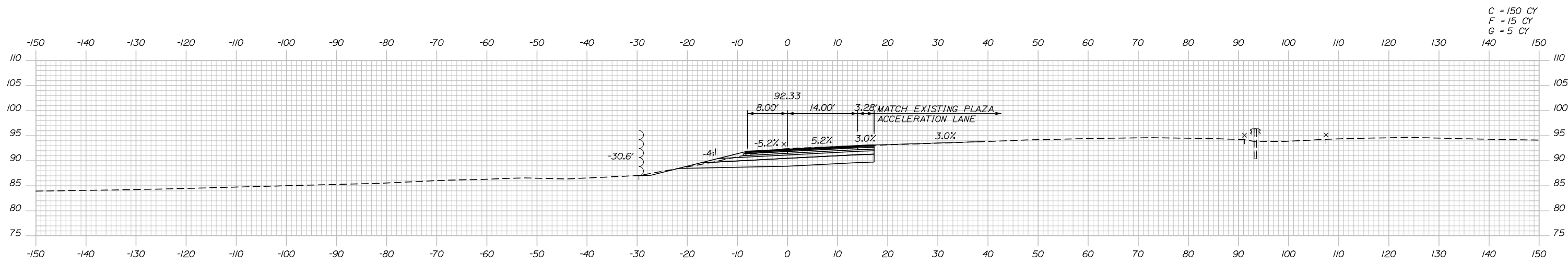
CONTRACT: 2019.02

SHEET NUMBER: XS-37

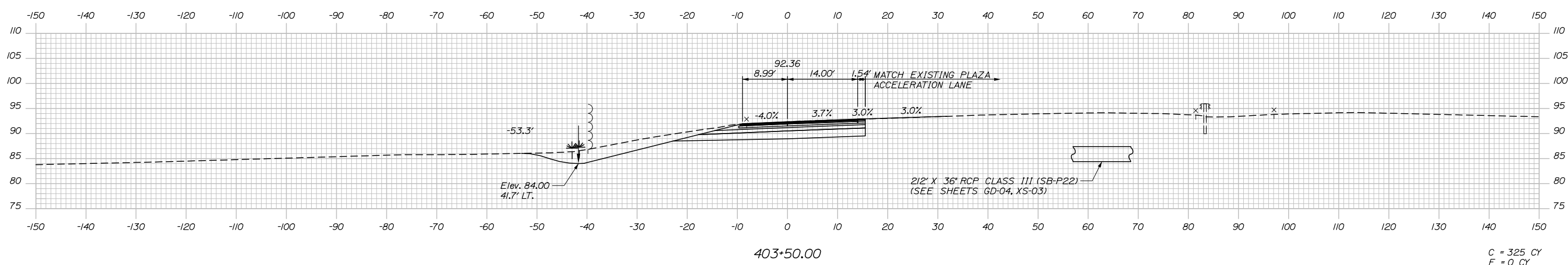
143 OF 158

Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



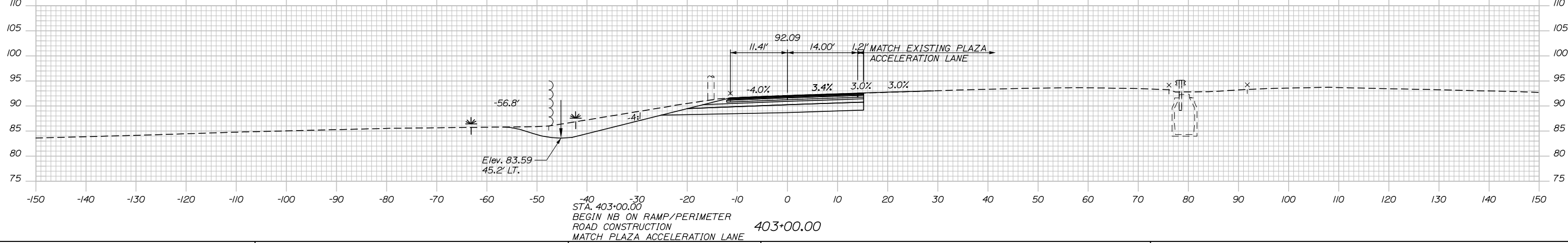
STA. 404+00.00 LT. TO STA. 407+50.00 LT.
CONSTRUCT SHOULDERS WITH FULL DEPTH PAVEMENT 404+00.00



Elev. 84.00
41.7' LT.

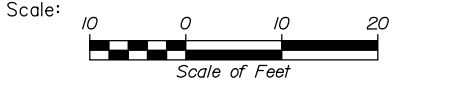
212' X 36' RCP CLASS III (SB-P22)
(SEE SHEETS GD-04, XS-03)

403+50.00



Elev. 83.59
45.2' LT.

403+00.00
STA. 403+00.00
BEGIN NB ON RAMP/PERIMETER
ROAD CONSTRUCTION
MATCH PLAZA ACCELERATION LANE



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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

No.	Revision	By	Date

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

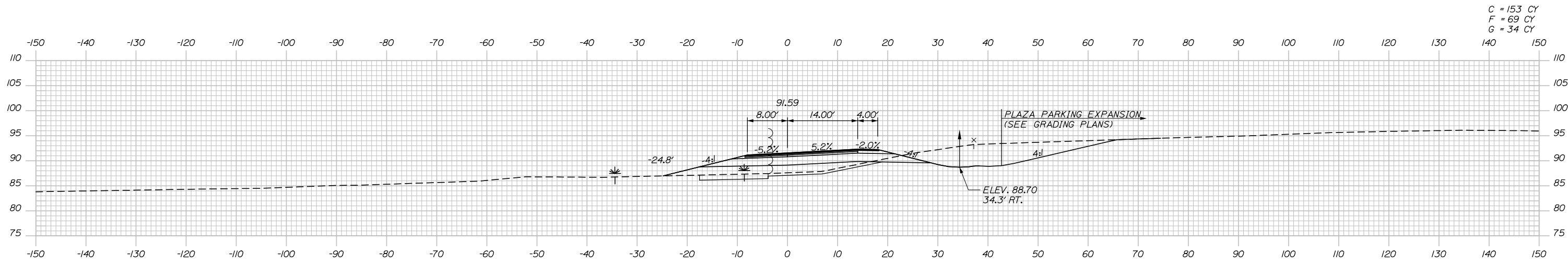
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - NB PERIMETER ROAD
STA. 403+00 TO STA. 404+00

SHEET NUMBER: XS-38
144 OF 158

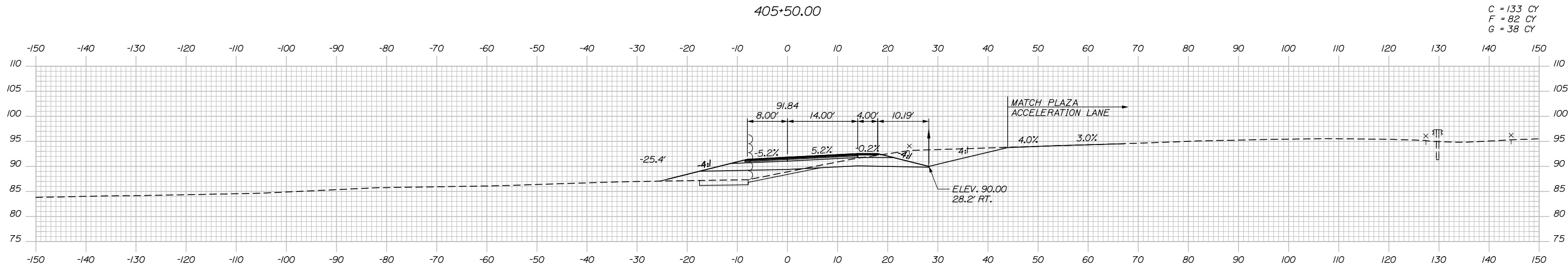
CONTRACT: 2019.02

Date: 10/23/2019

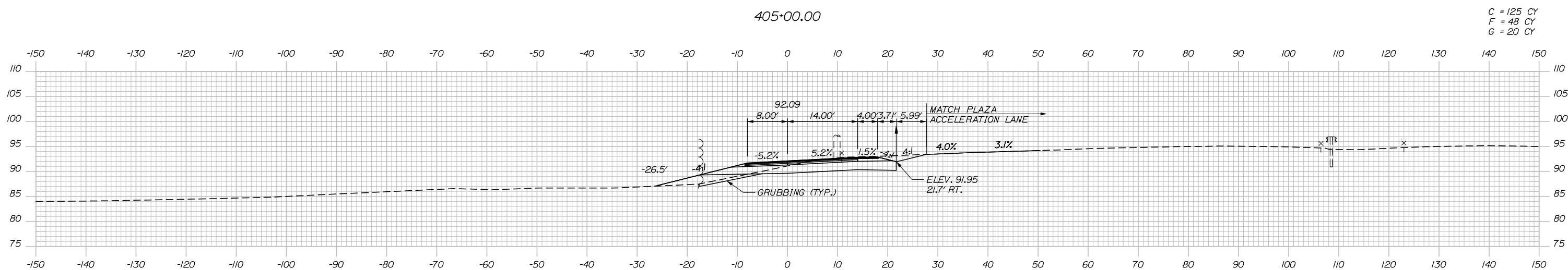
Filename: Xsect_NB_Perimeter_Road.dgn



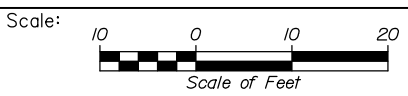
C = 153 CY
F = 69 CY
G = 34 CY



C = 133 CY
F = 82 CY
G = 38 CY



C = 125 CY
F = 48 CY
G = 20 CY



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
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Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

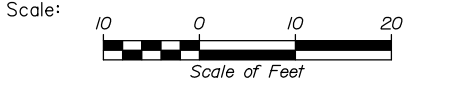
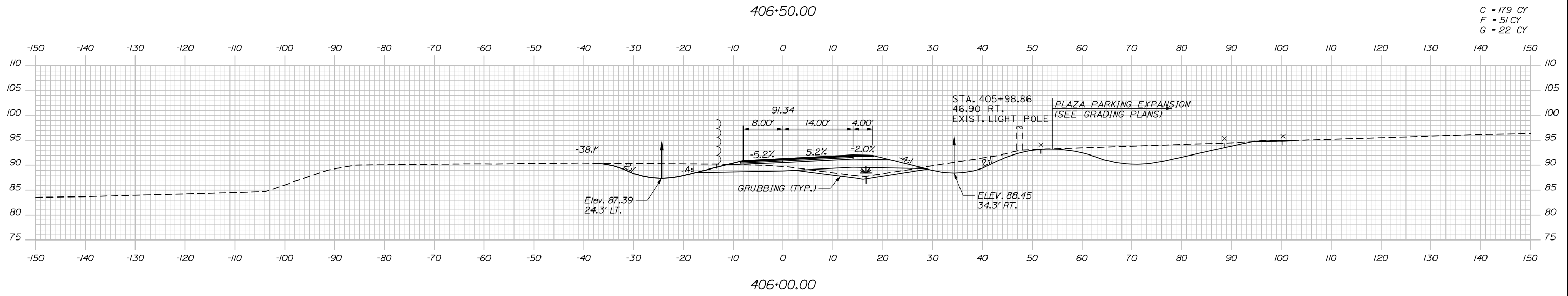
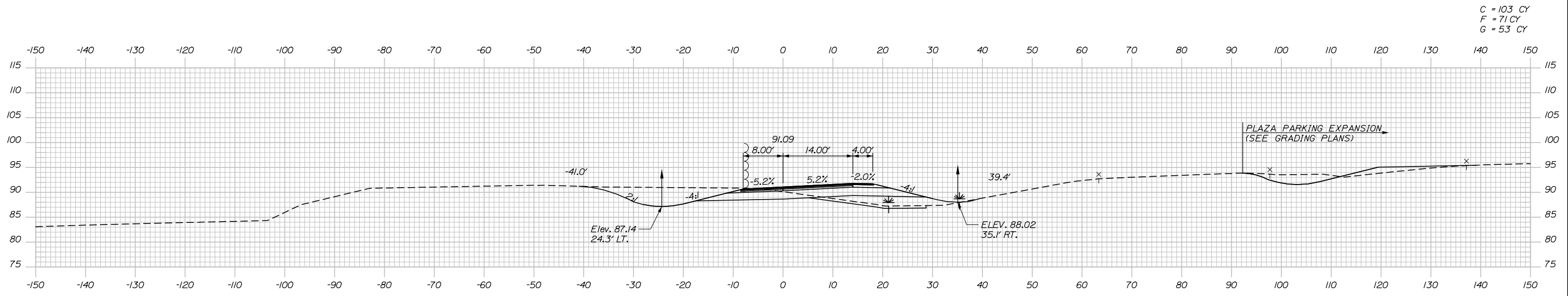
KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - NB PERIMETER ROAD
STA. 404+50 TO STA. 405+50

SHEET NUMBER: XS-39
145 OF 158

CONTRACT: 2019.02

Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



Designed by:


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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

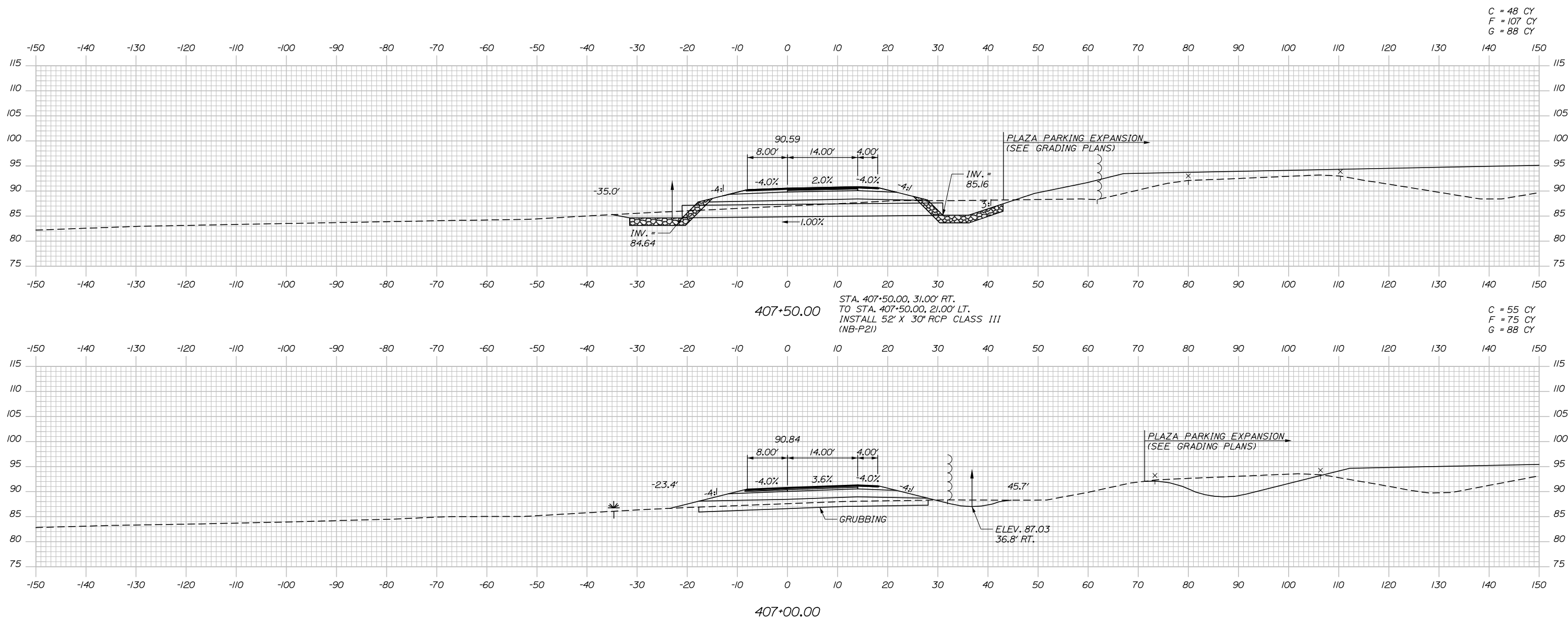
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - NB PERIMETER ROAD
 STA. 406+00 TO STA. 406+50

SHEET NUMBER: XS-40
 146 OF 158

CONTRACT: 2019.02

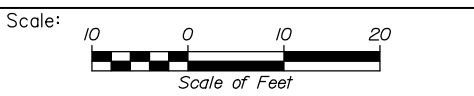
Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



C = 48 CY
 F = 107 CY
 G = 88 CY

C = 55 CY
 F = 75 CY
 G = 88 CY



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

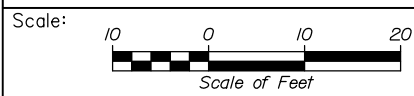
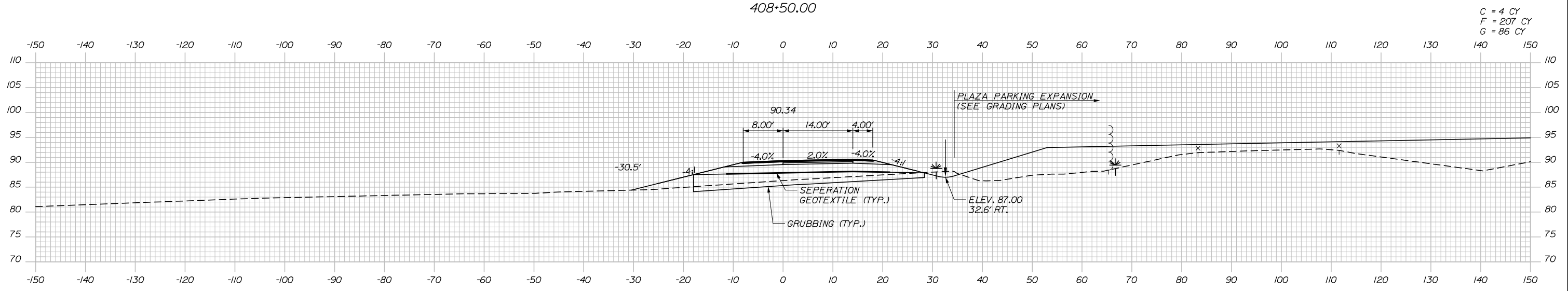
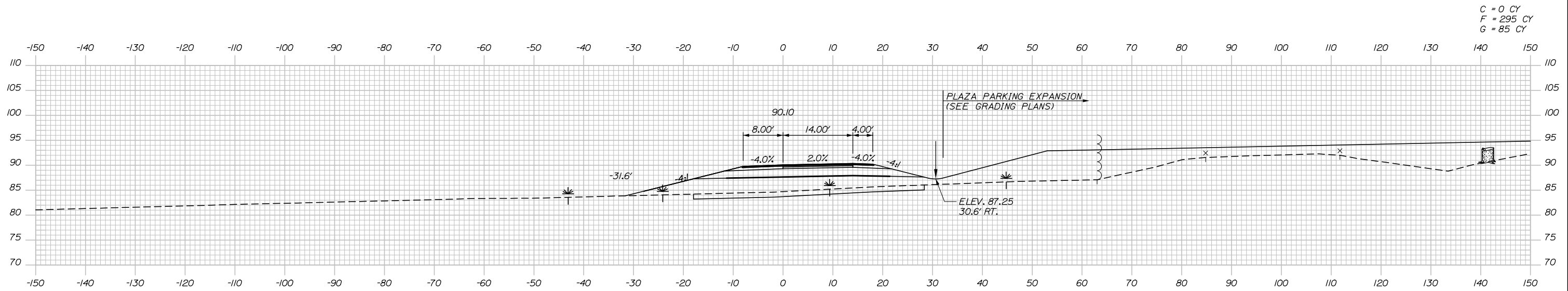
KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - NB PERIMETER ROAD
 STA. 407+00 TO STA. 407+50

SHEET NUMBER: XS-41
 147 OF 158

CONTRACT: 2019.02

Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

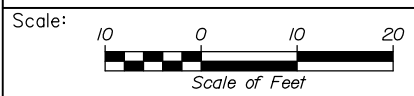
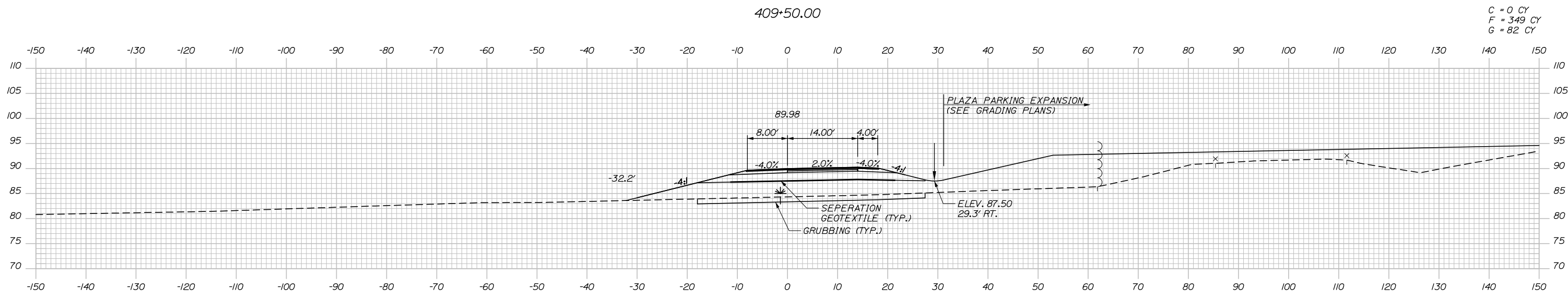
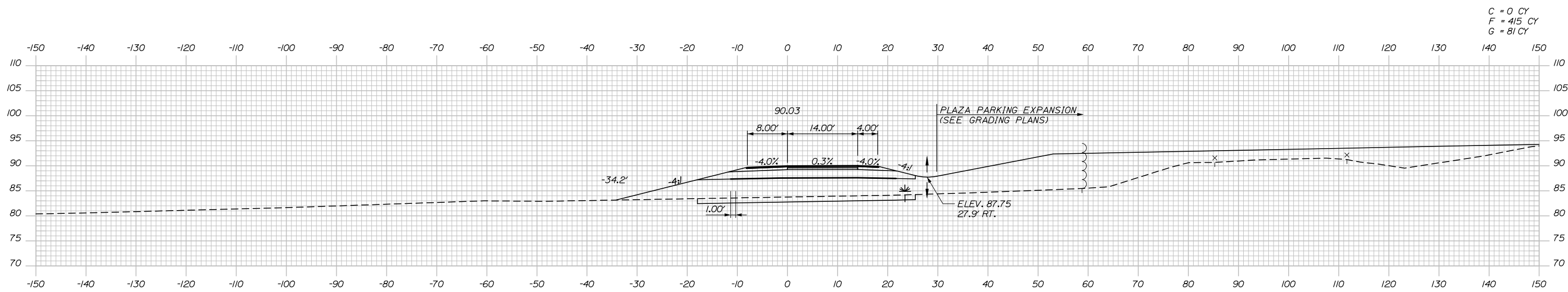
KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - NB PERIMETER ROAD
 STA. 408+00 TO STA. 408+50

SHEET NUMBER: XS-42
 148 OF 158

CONTRACT: 2019.02

Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

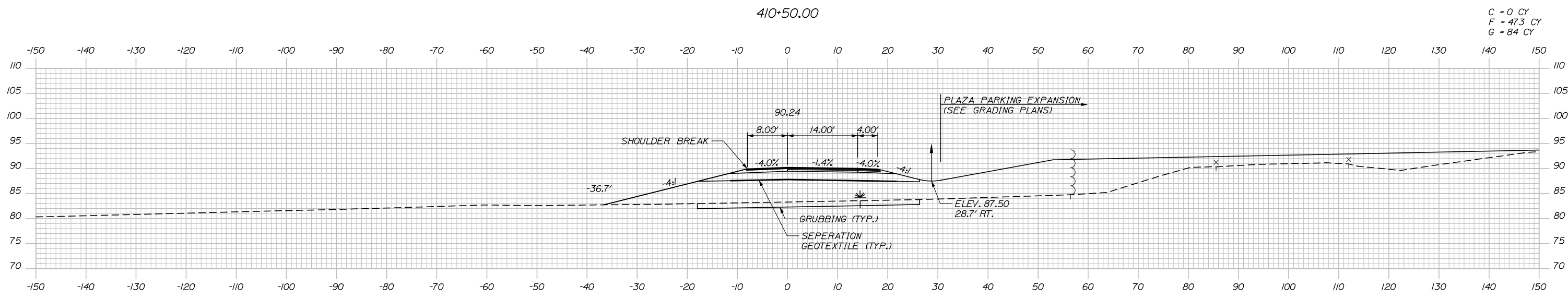
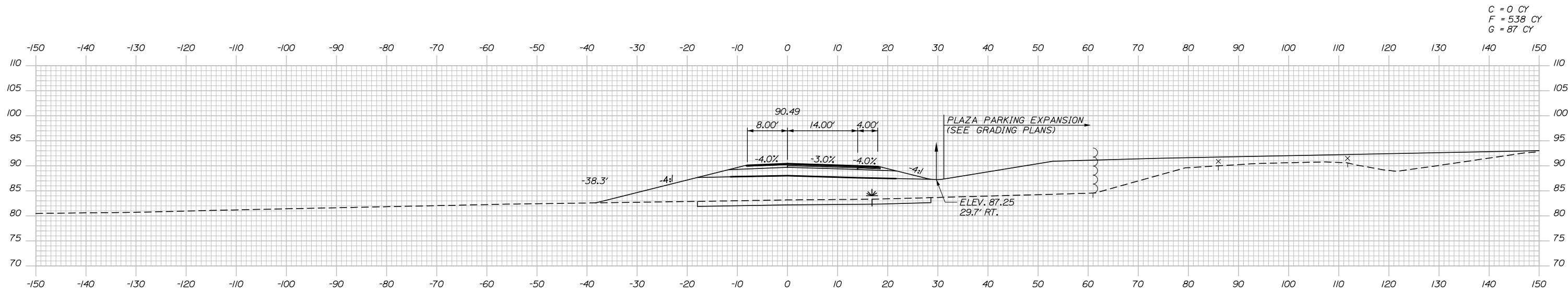
KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - NB PERIMETER ROAD
 STA. 409+00 TO STA. 409+50

SHEET NUMBER: XS-43
 149 OF 158

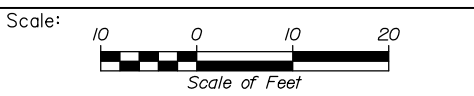
CONTRACT: 2019.02

Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



STA. 410+00.00 RT. TO STA. 416+50.00 RT.
CONSTRUCT SHOULDERS WITH FULL DEPTH PAVEMENT



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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FAX (207) 228-0909

**THE GOLD STAR
MEMORIAL HIGHWAY**

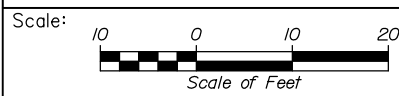
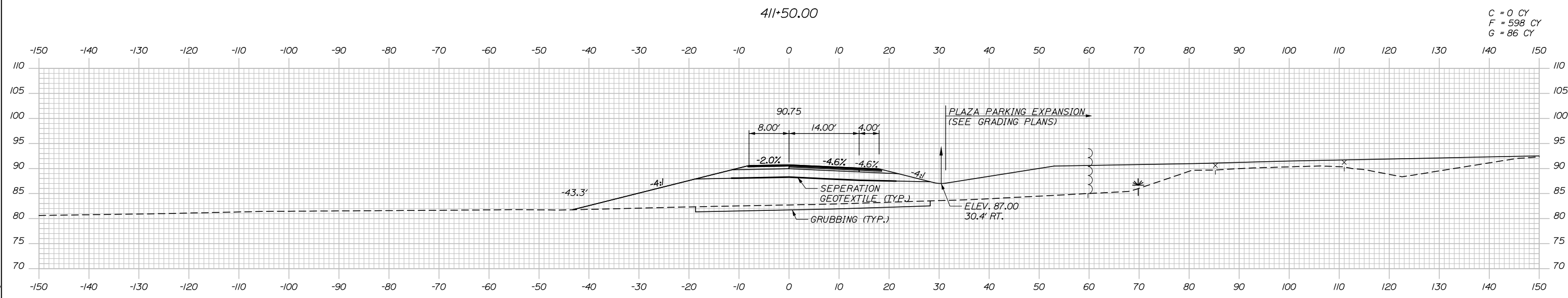
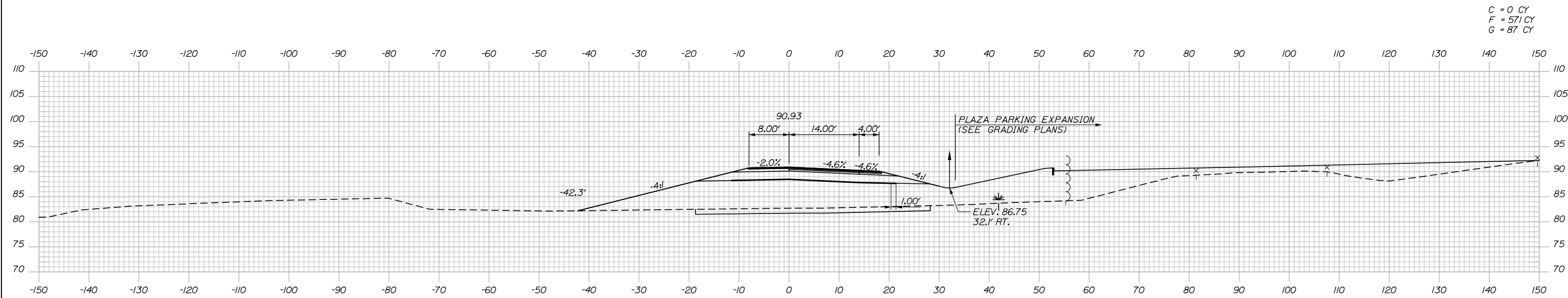
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - NB PERIMETER ROAD
STA. 410+00 TO STA. 410+50

SHEET NUMBER: XS-44
150 OF 158

CONTRACT: 2019.02

Date: 10/23/2019



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - NB PERIMETER ROAD
 STA. 411+00 TO STA. 411+50

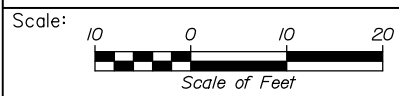
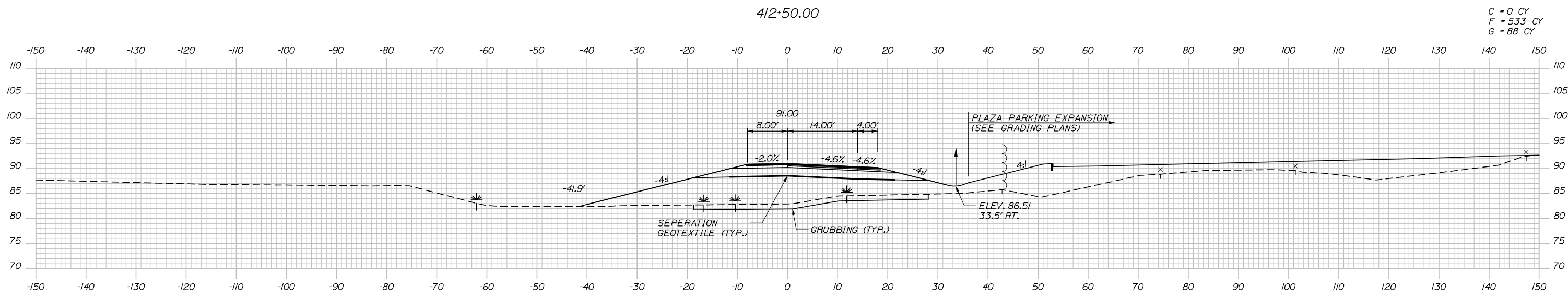
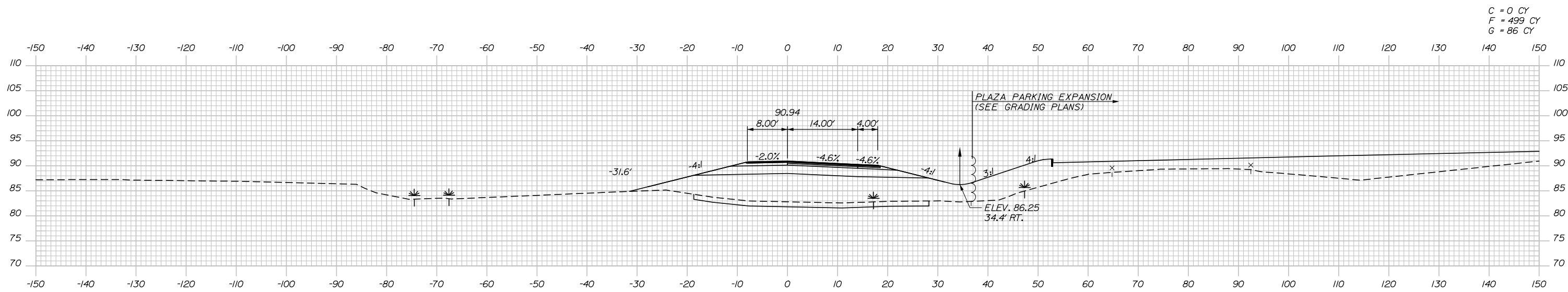
SHEET NUMBER: XS-45
 151 OF 158

CONTRACT: 2019.02

Filename: Xsect_NB_Perimeter_Road.dgn

Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

HNTB CORPORATION
 340 County Road, Suite 6-C
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

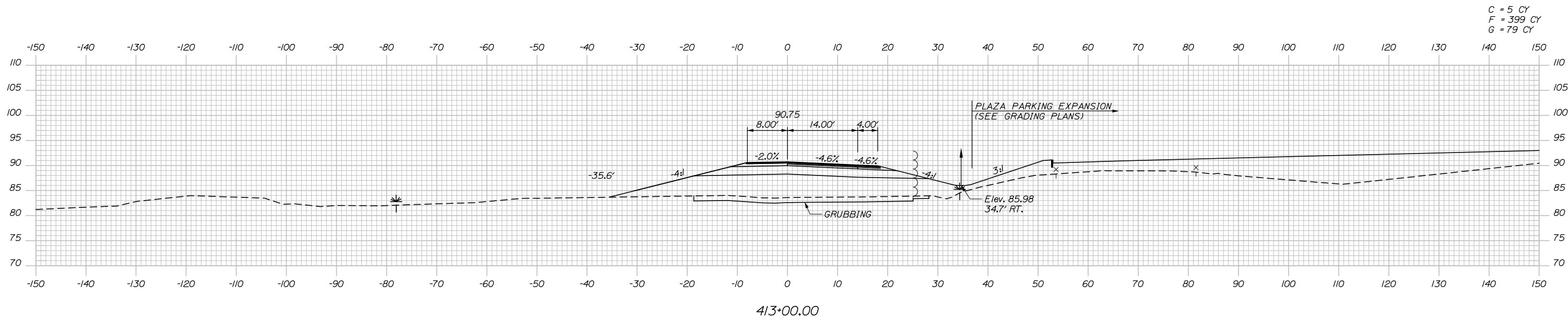
KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - NB PERIMETER ROAD
 STA. 412+00 TO STA. 412+50

SHEET NUMBER: XS-46
 152 OF 158

CONTRACT: 2019.02

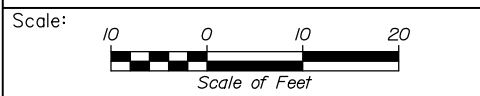
Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



C = 5 CY
F = 399 CY
G = 79 CY

413+00.00



Designed by:



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - NB PERIMETER ROAD
STA. 413+00

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

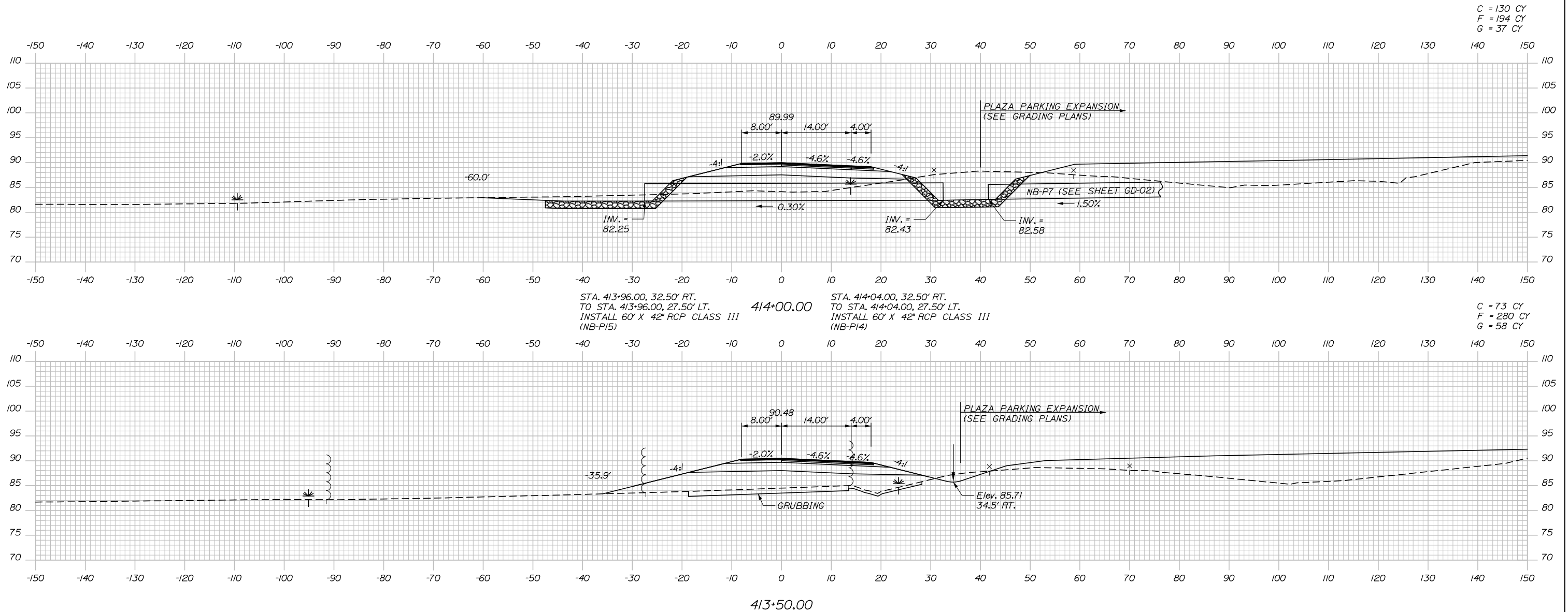
CONTRACT: 2019.02

SHEET NUMBER: XS-47

153 OF 158

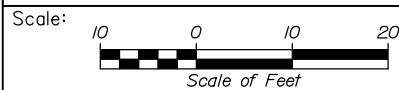
Date: 10/23/2019

Filename: Xsect_NB_Perimeter_Road.dgn



C = 130 CY
F = 194 CY
G = 37 CY

C = 73 CY
F = 280 CY
G = 58 CY



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THE GOLD STAR
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KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - NB PERIMETER ROAD
STA. 413+50 TO STA. 414+00

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date		By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

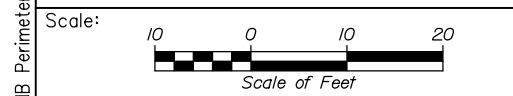
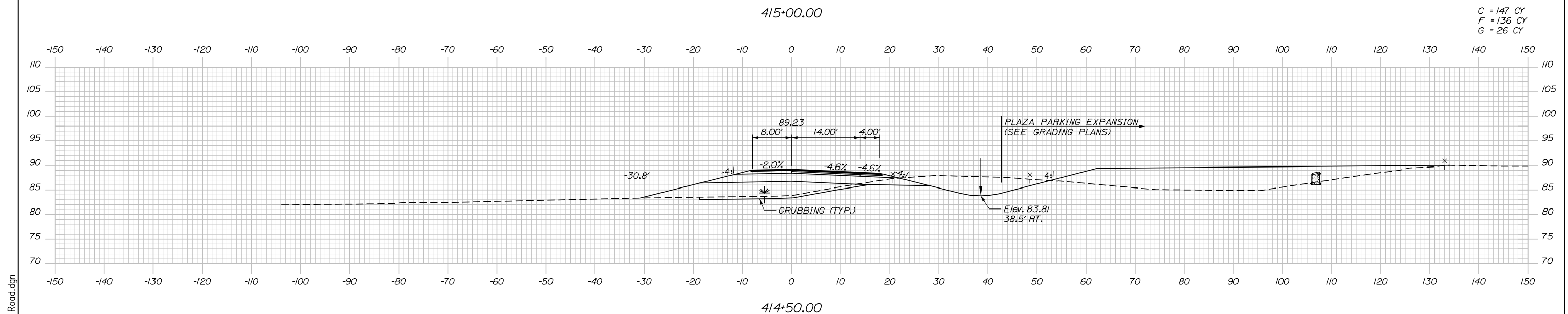
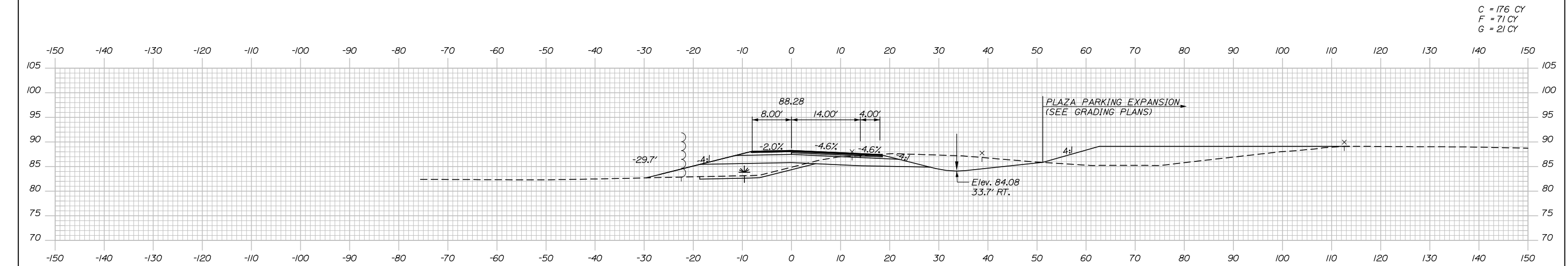
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

CONTRACT: 2019.02

SHEET NUMBER: XS-48

154 OF 158

Date: 10/23/2019



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - NB PERIMETER ROAD
 STA. 414+50 TO STA. 415+00

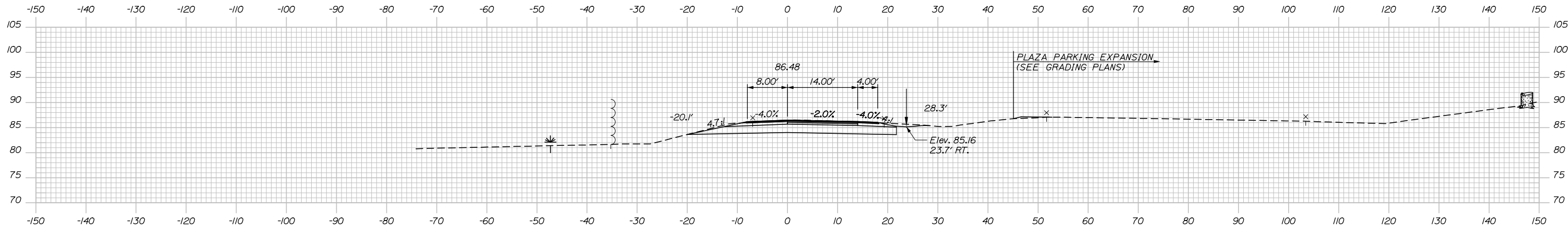
SHEET NUMBER: XS-49
 155 OF 158

CONTRACT: 2019.02

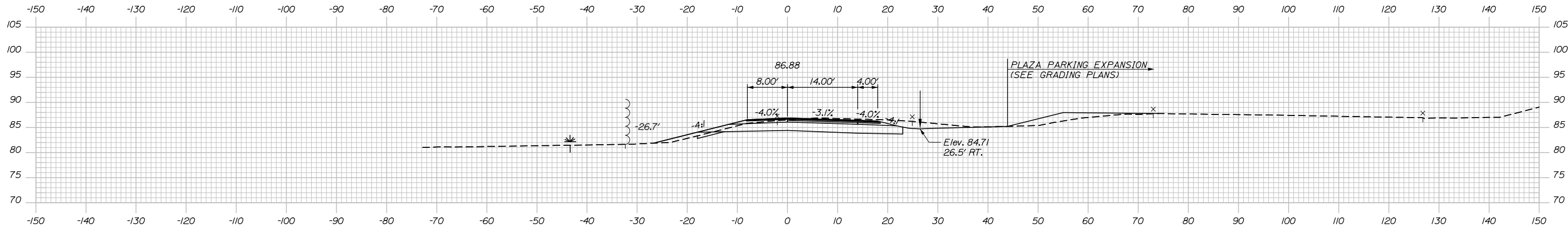
Filename: Xsect_NB_Perimeter_Road.dgn

Date: 10/23/2019

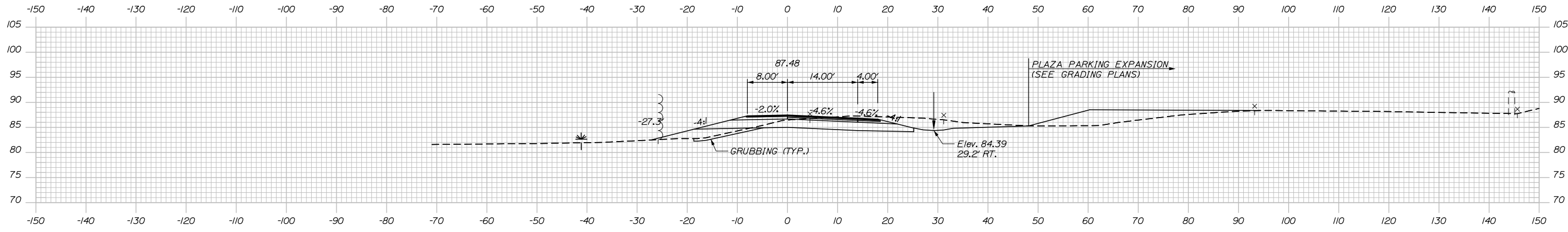
C = 41 CY
F = 6 CY
G = 4 CY



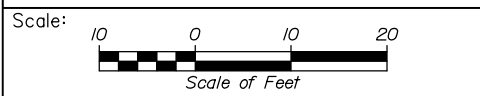
C = 168 CY
F = 6 CY
G = 2 CY



C = 177 CY
F = 24 CY
G = 22 CY



Filename: Xsect_NB_Perimeter_Road.dgn



Designed by:

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CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.					
	By	Date	Checked	By	Date
Designed	CDH	10\19	DSS	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

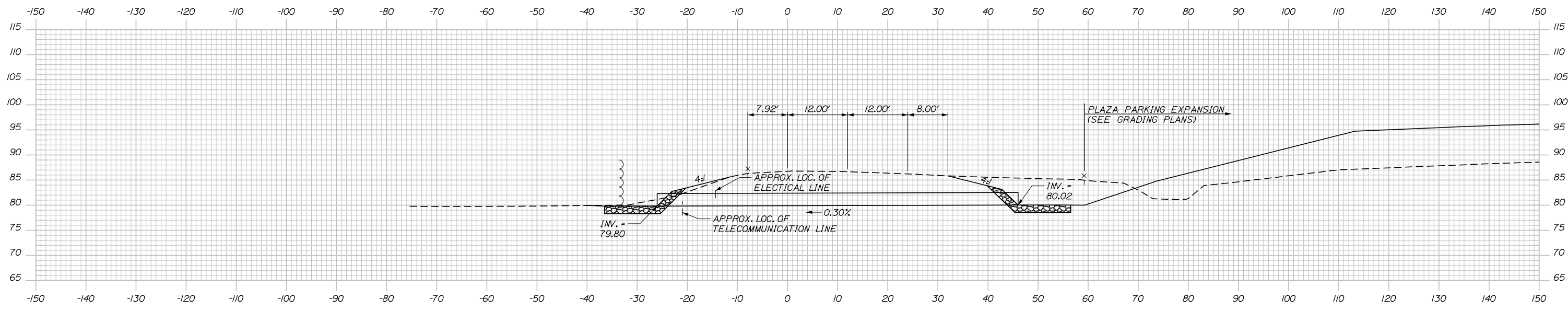
KENNEBUNK TRAVEL PLAZAS PARKING EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - NB PERIMETER ROAD
STA. 415+50 TO STA. 416+50

SHEET NUMBER: XS-50
156 OF 158

CONTRACT: 2019.02

Date: 10/23/2019

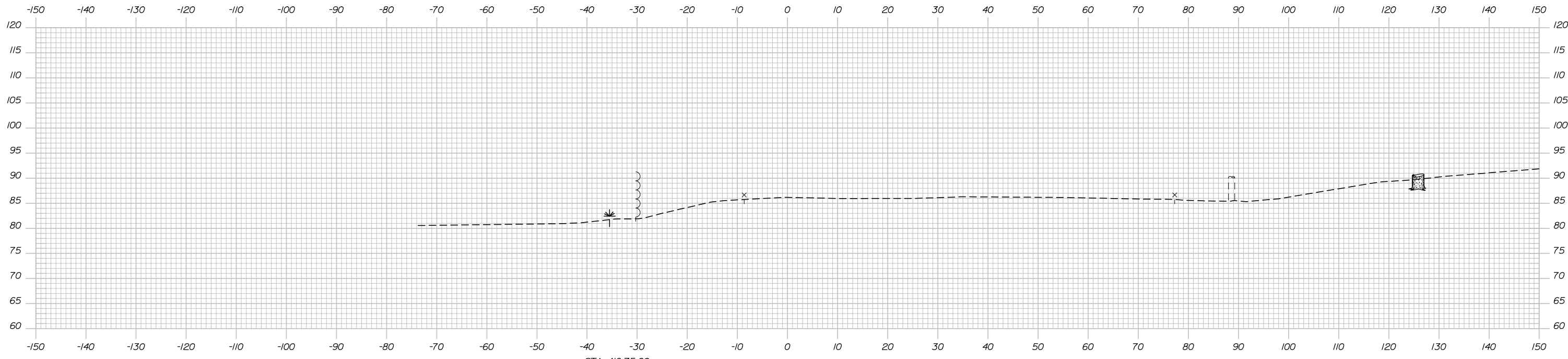
Filename: Xsect_NB_Perimeter_Road.dgn



STA. 421+97.50, 46.00' RT.
TO STA. 421+97.50, 26.00' LT.
INSTALL 72" X 30" RCP CLASS III (NB-P4)

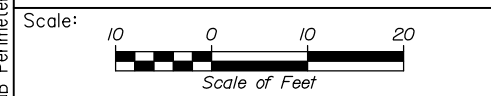
422+00.00

STA. 422+02.50, 46.00' RT.
TO STA. 422+02.50, 26.00' LT.
INSTALL 72" X 30" RCP CLASS III (NB-P3)



STA. 416+75.00
END NB ON RAMP/PERIMETER
ROAD CONSTRUCTION
BEGIN PAVEMENT BUTT JOINT

417+00.00



Designed by:

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No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date	Checked	By	Date
Designed	CDH	10\19	Checked	DSS	10\19
Drawn	CDH	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

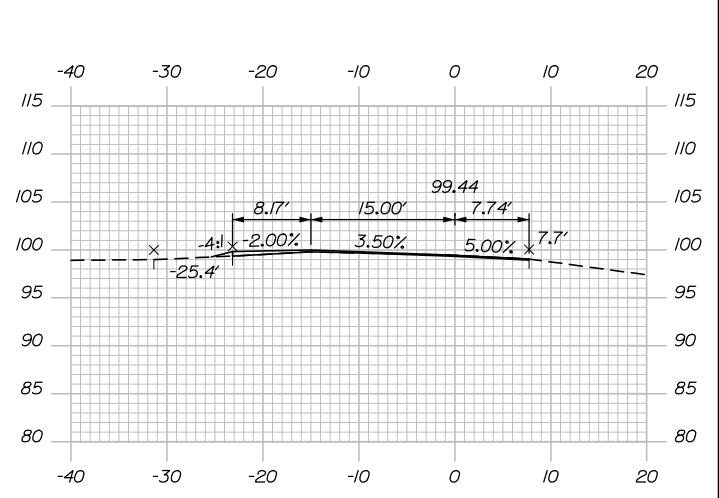
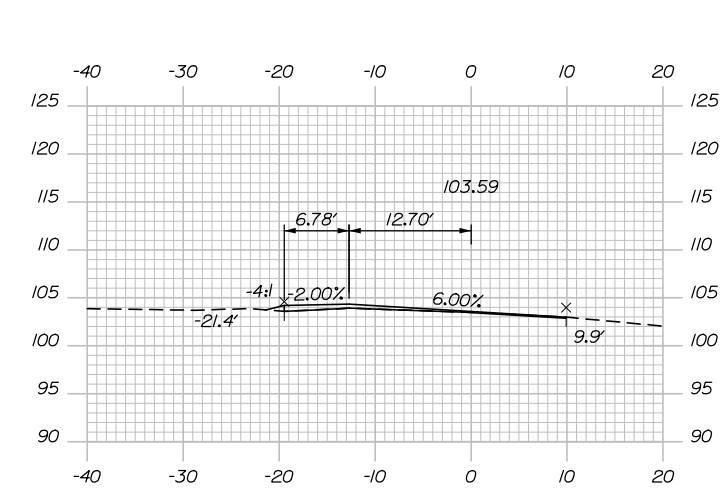
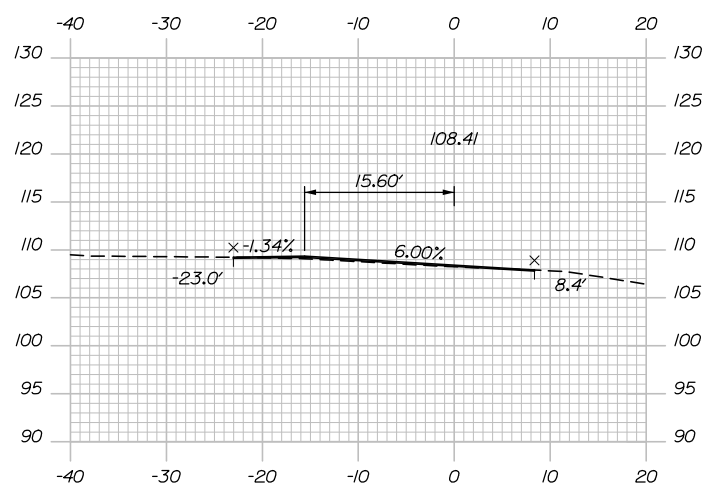
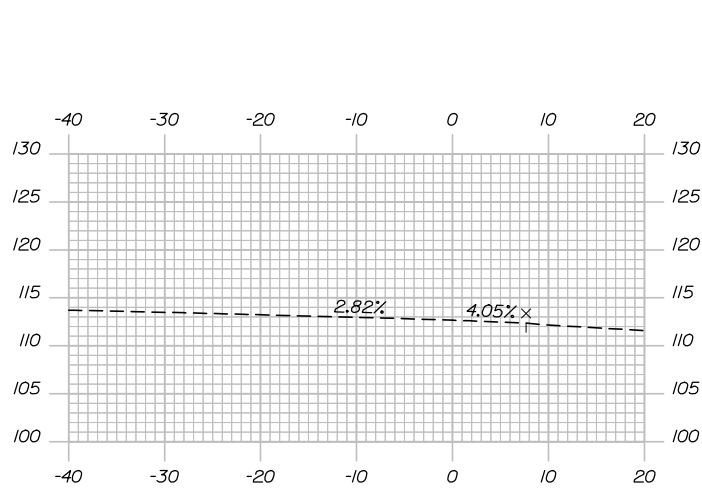
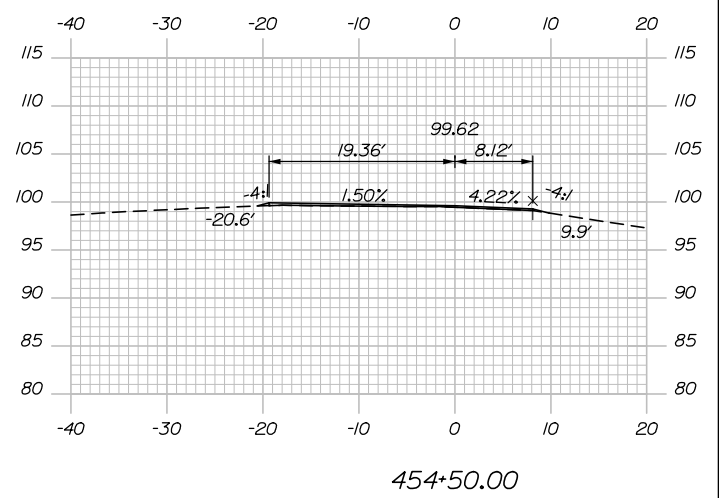
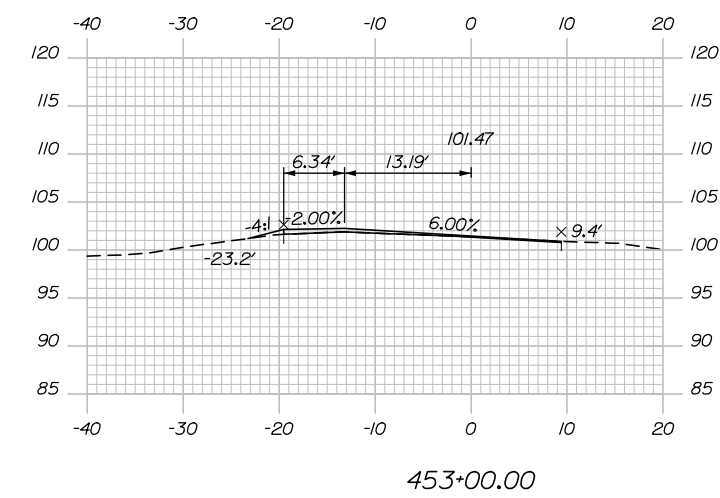
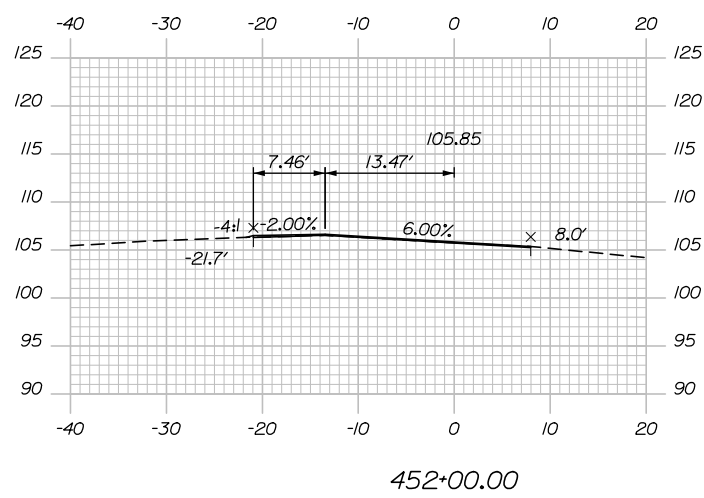
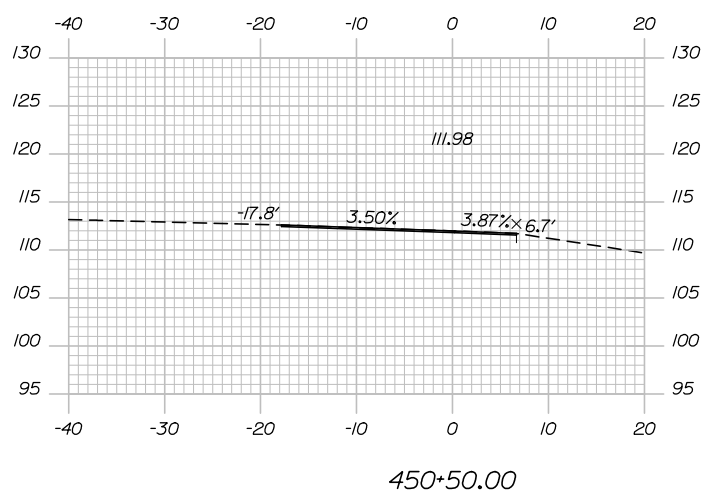
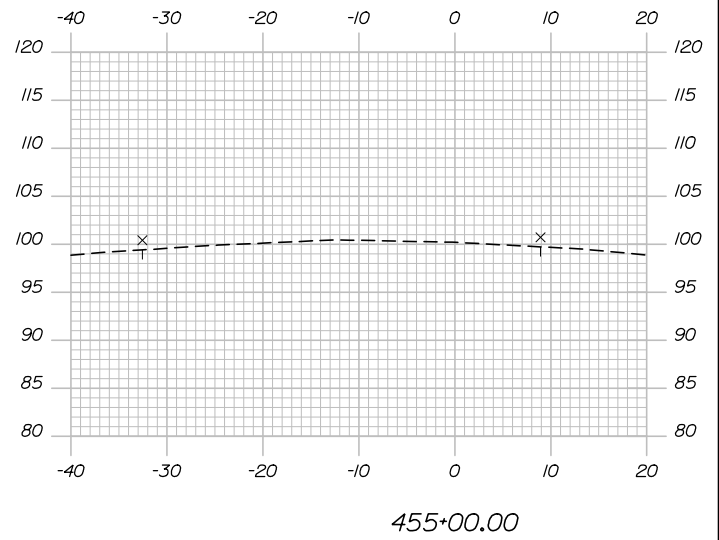
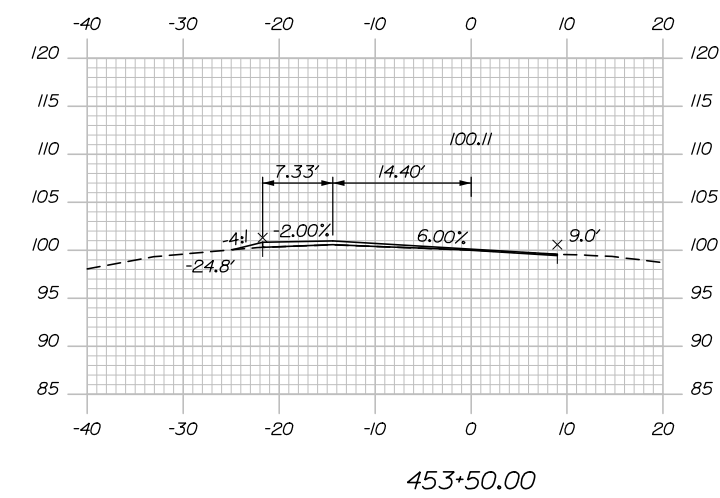
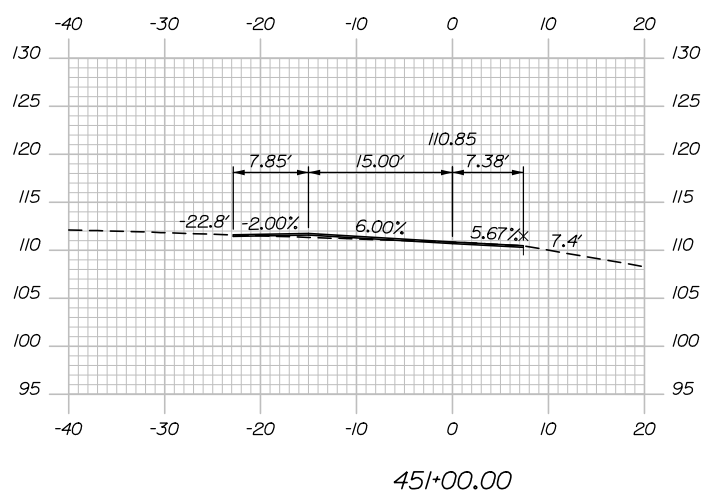
MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
EXPANSION MILE 25.5 SB AND NB
CROSS-SECTIONS - NB PERIMETER ROAD
STA. 417+00 & 420+00

SHEET NUMBER: XS-51
CONTRACT: 2019.02
157 OF 158

Date: 10/23/2019

Filename: Xsect_NB_Off_Ramp.dgn



Scale:

No.	Revision	By	Date


Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Phillip E. Kendall II, P.E.

	By	Date		By	Date
Designed	CDH	10\19	Checked	PEK	10\19
Drawn	WAD	10\19	In Charge of	RAL	10\19

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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Ralph C. Norwood, IV, P.E., P.T.O.E.

KENNEBUNK TRAVEL PLAZAS PARKING
 EXPANSION MILE 25.5 SB AND NB
 CROSS-SECTIONS - NB OFF RAMP
 STA. 450+00 TO STA. 455+00

SHEET NUMBER: XS-52
 158 OF 158

CONTRACT: 2019.02