

Date: 6/28/2018



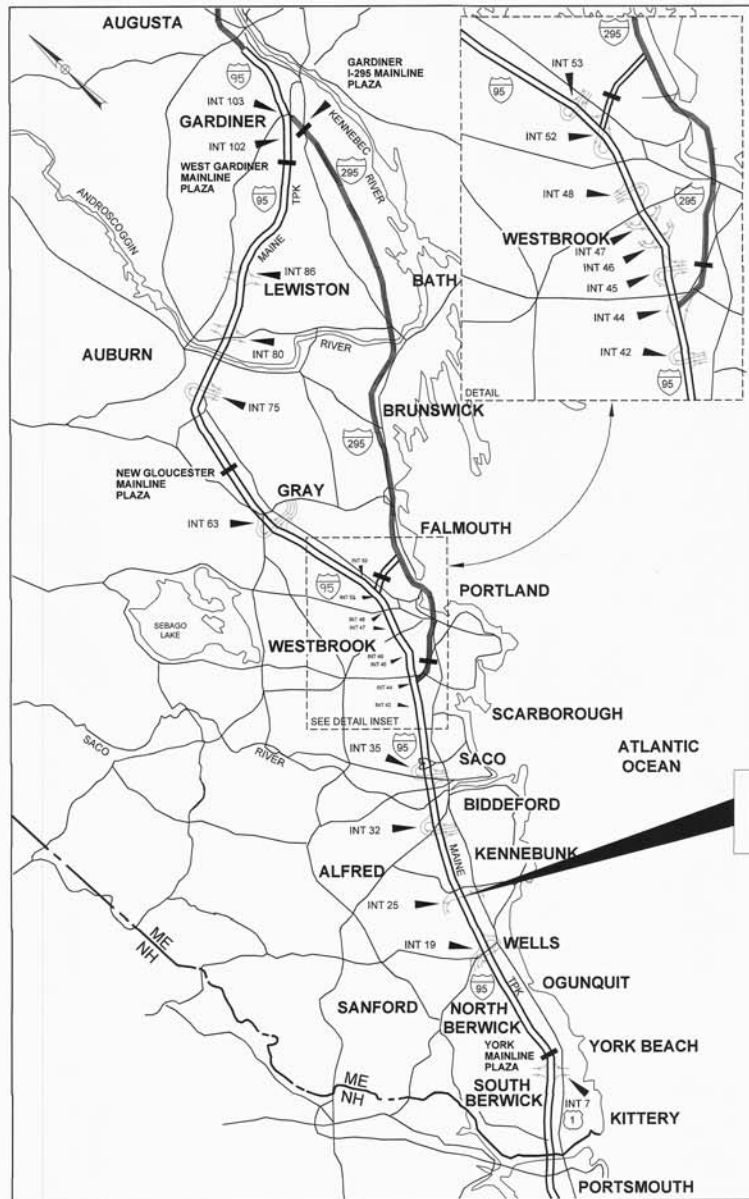
THE GOLD STAR
MEMORIAL HIGHWAY

MAINE TURNPIKE AUTHORITY

DANIEL E. WATHEN, CHAIR
ROBERT D. STONE, VICE CHAIR
MICHAEL J. CIANCHETTE, MEMBER
JOHN E. DORITY, MEMBER
ANN R. ROBINSON, MEMBER
THOMAS J. ZUKE, MEMBER
KAREN S. DOYLE, MEMBER EX-OFFICIO

S. PETER MILLS, EXECUTIVE DIRECTOR

CONTRACT 2018.18 KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM REPLACEMENT MILE 25.5 SB AND NB



LOCATION MAP

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CONTRACT 2018.18

APPROVED: MAINE TURNPIKE AUTHORITY

Peter S. Merfeld
PETER S. MERFELD, P.E. - CHIEF OPERATIONS OFFICER

DATE: 07/02/18

Stephen R. Tartre
STEPHEN R. TARTRE, P.E. - DIRECTOR OF ENGINEERING & BUILDING MAINTENANCE

DATE: 7/2/18



Roland A. Lavallee
ROLAND A. LAVALLEE P.E., PLS
VICE PRESIDENT
DIRECTOR OF OPERATIONS

DATE: 6/28/18

Date: 7/9/2018

ITEMNO.	ITEM DESCRIPTION	UNIT	NB PLAZA	SB PLAZA	TOTAL QUANTITY
202.15	Remove Existing Manhole or Catch Basin	EA	0	1	1
202.17	Removing Existing Structural Concrete	LS	0.5	0.5	1
202.202	Removing Pavement Surface	SY	810	480	1,250
203.20	Common Excavation	CY	2780	2010	4,750
203.2312	Health and Safety Plan	LS	0.5	0.5	1
203.2333	Disposal/Treatment of Special Excavation	TON	3000	3000	6,000
203.2334	Disposal/Treatment of Contaminated Groundwater	LS	0.5	0.5	1
206.061	Structural Earth Excavation - Drainage Minor Structures Below Grade	CY	25	25	50
304.10	Aggregate Subbase Course - Gravel	CY	2500	1950	4,450
304.14	Aggregate Base Course - Type A	CY	1145	840	1,985
403.207	Hot Mix Asphalt, 19.0 mm Nominal Maximum Size	Ton	1100	820	1,920
403.208	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size	Ton	700	500	1,200
403.2084	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (sidewalks, drives, islands & incidentals)	Ton	27	30	57
403.213	Hot Mix Asphalt, 12.5 mm Nominal Maximum Size (Base and Intermediate Base course)	Ton	700	480	1,180
409.15	Bituminous Tack Coat, Applied	Gal	660	480	1,140
419.30	Sawing Bituminous Pavement	LF	1,500	860	2,360
502.701	Concrete Gas Island and Slab	CY	110	110	220
502.702	Concrete Diesel Island and Slab	CY	80	80	160
502.703	Concrete Gas Tank Slab	CY		45	45
502.704	Concrete Diesel Tank Slab	CY		18	18
502.705	Concrete Fuel Tank Slab	CY	60		60
503.14	Epoxy-Coated Reinforcing Steel, Fabricated and Delivered	LB	21,000	21,000	42,000
503.15	Epoxy-Coated Reinforcing Steel, Placing	LB	21,000	21,000	42,000
524.30	Temporary Structural Support	EA	2	2	4
526.306	Temporary Concrete Barrier, Type I - Supplied by Authority (950 LF)	LS	0.5	0.5	1
527.34	Work Zone Crash Cushion - TL-2	EA	2	2	4
603.155	12 Inch Reinforced Concrete Pipe - Class III	LF	270	200	470
603.165	15 inch Reinforced Concrete Pipe - Class III	LF	130	260	390
604.071	Catch Basin Type A1	EA	2	3	5
604.09	Catch Basin Type B1	EA	0	1	1
604.15	Manhole	EA	0	1	1
604.18	Adjusting Manhole or Catch Basin To Grade	EA	2	3	5
604.182	Cleaning Existing Catch Basin and Manhole	EA	1	0	1
604.246	Catch Basin Type F5	EA	2	0	2
604.30	Oil-water Separator System	EA	1	1	2
606.356	Underdrain Delineator Post	EA	1	0	1
607.18	6 Foot Chain Link Safety Fence	LF	200	200	400
608.08	Reinforced Concrete Sidewalk	SY	0	9	9
609.11	Vertical Curb Type 1	LF	180	350	530
609.12	Vertical Curb Type 1 - Circular	LF	17	26	43
609.234	Terminal Curb Type 1 - 4 Foot	EA	2	0	2
609.38	Reset Curb Type 1	LF	690	450	1,140
610.08	Plain Riprap	CY	3	0	3
613.319	Erosion Control Blanket	SY	12	0	12

ITEMNO.	ITEM DESCRIPTION	UNIT	NB PLAZA	SB PLAZA	TOTAL QUANTITY
615.07	Loam	CY	170	70	240
618.13	Seeding Method Number 1	Unit	14	6	20
619.1201	Mulch - Plan Quantity	Unit	14	6	20
619.1202	Temporary Mulch	LS	0.5	0.5	1
622.10	Transplanting Shrub	EA	0	4	4
626.13	18" x 12" x 18" Quazite Junction Box	EA	4	2	6
626.22	Non-metallic Conduit	LF	540	410	950
626.32	24 inch Diameter Foundation	EA	2	1	3
626.36	Remove or Modify Concrete Foundation	EA	2	1	3
627.18	12 inch Solid White Pavement Marking Line	LF	0	16	16
627.731	Temporary 6 Inch Black Pavement Marking Tape	LF	810	1250	2,060
627.733	4" White or Yellow Painted Pavement Marking Line	LF	250	250	500
627.744	6" White or Yellow Painted Pavement Marking Line	LF	250	250	500
629.05	Hand Labor, Straight Time	MH	20	20	40
631.12	All Purpose Excavator (including operator)	HR	20	20	40
631.172	Truck Large (including operator)	HR	40	40	80
631.221	Small Front End Loader (Including Operator)	HR	20	20	40
631.36	Foreman	HR	20	20	40
634.208	Remove and Reset Light Standards	EA	2	1	3
634.22	Temporary Lighting (SB Plaza)	LS		1	1
634.23	Temporary Lighting (NB Plaza)	LS	1		1
639.19	Field Office, Type B	EA		1	1
639.191	Remove and Reset Field Office	LS	1		1
645.109	Remove and Reset Sign	EA	5	7	12
652.312	Type III Barricades	EA	1	1	2
652.33	Drum	EA	55	55	110
652.34	Cone	EA	55	55	110
652.35	Construction Signs	SF	139.0	139.0	278
652.361	Maintenance of Traffic Control Devices	LS	0.5	0.5	1
652.38	Flaggers	HR	100	100	200
652.41	Portable Changeable Message Sign	EA	1	1	2
655.101	#6 AWG Wire	LF	1170	860	2,030
655.11	#10 AWG Wire	LF	590	430	1,020
656.50	Baled Hay, in place	EA	5	5	10
656.632	30 Inch Temporary Silt Fence	LF	370	450	820
659.10	Mobilization	LS	0.5	0.5	1
800.01	Removal of Underground Tanks - Gas and Diesel (SB Plaza)	LS		1	1
800.02	Removal of Underground Tanks - Gas and Diesel (NB Plaza)	LS	1		1
800.03	Underground Tank Installation - Gas and Diesel (SB Plaza)	LS		1	1
800.04	Underground Tank Installation Gas and Diesel (NB Plaza)	LS	1		1
800.05	Aboveground Diesel Tank Installation (SB Plaza)	LS		1	1
800.06	Aboveground Diesel Tank Installation (NB Plaza)	LS	1		1
800.07	Aboveground Gas Tank Installation (SB Plaza)	LS		1	1
800.08	Aboveground Gas Tank Installation (NB Plaza)	LS	1		1
800.20	Canopy Demolition - Gas and Diesel (SB Plaza)	LS		1	1
800.21	Canopy Demolition - Gas and Diesel (NB Plaza)	LS	1		1
800.50	New Canopy Installation - Gas and Diesel (SB Plaza)	LS		1	1
800.51	New Canopy Installation - Gas and Diesel (NB Plaza)	LS	1		1

Filename: 00X_Estimate Quantities.dgn

Scale:				
No.	Revision	By	Date	

Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
	By	Date	By	Date	
Designed	PEM	7\18	Checked	LZD	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

HNTB CORPORATION
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB

ESTIMATED QUANTITIES

SHEET NUMBER: EQ-01
 CONTRACT: 2018.18
 2 OF 43

Date: 7/9/2018

GENERAL

- 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.
- THE CONTRACTOR SHALL SUBMIT THE PROPOSED STAGING AREA(S) AND FIELD TRAILER LOCATION TO THE RESIDENT FOR APPROVAL PRIOR TO STARTING WORK.
- ANY DAMAGE TO FINAL 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.
- PROJECT BENCHMARK:

POINT #902 - TBM ON SE CORNER OF CONCRETE PAD
NORTHING: 210266.743
EASTING: 2847815.408
ELEVATION: 112.067'

POINT #1549 - TBM SET ON NW CORNER OF LIGHT POLE A36
NORTHING: 211041.219
EASTING: 2848680.720
ELEVATION: 99.506'
- AS-BUILT PLANS FOR THE SERVICE PLAZAS AND EXISTING FUEL SYSTEM ARE AVAILABLE FROM THE AUTHORITY UPON REQUEST.
- CONTRACTOR IS RESPONSIBLE FOR THE FINAL DESIGN OF ALL FUEL SYSTEM AND FUEL SYSTEM RELATED ITEMS UNLESS OTHERWISE NOTED IN THE PLANS OR SPECIFICATIONS. CONTRACTOR SHALL SUBMIT FINAL P.E. STAMPED DRAWINGS FOR REVIEW AND APPROVAL PRIOR TO CONSTRUCTION OR AS NOTED IN THE PLANS AND SPECIFICATIONS.
- CONTRACTOR TO PROVIDE, FOR APPROVAL, LAYOUT PLAN AND DETAILS FOR TEMPORARY POWER AND COMMUNICATION TO TEMPORARY FUEL SYSTEM AND KIOSKS.

LIGHTING

- EXISTING LIGHTING WITHIN THE PROJECT LIMITS SHALL BE OPERATIONAL AT ALL TIMES UNLESS NOTED OTHERWISE ON THE PLANS.
- ALL ENCOUNTERED WIRE SHALL BE CAREFULLY CROSSED. NO SPLICES ALLOWED IN LINE, ONLY IN JUNCTION BOXES.
- 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 105.2 AND AS DIRECTED BY THE RESIDENT.
- ALL WIRE SHALL BE COPPER, NO ALUMINUM WIRE IS ALLOWED.
- ALL LIGHT STANDARD AND CONDUIT TRENCHES SHALL BE INSTALLED IN A MANNER THAT AVOIDS DRAINAGE STRUCTURES AND UTILITIES.
- PROPOSED NON-METALLIC CONDUIT SHALL BE 2" SCHEDULE 80 PVC AND CONTAIN TWO (2) #6 AND ONE (1) #10 (GROUND) WIRES CONSISTENT WITH EXISTING CIRCUIT. CONTRACTOR TO FIELD VERIFY.
- LIGHTING CONDUIT, JUNCTION BOXES, AND WIRE SHALL BE PAID FOR UNDER THE APPROPRIATE PAY ITEMS.

EARTHWORK

- WASTE MATERIALS SHALL BE DISPOSED OF OFF THE PROJECT SITE, IN ACCORDANCE WITH CHAPTER 404, DEPARTMENT OF ENVIRONMENTAL PROTECTION SOLID WASTE MANAGEMENT RULES.
- 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).
- COMMON BORROW SHALL BE COMPACTED TO 90% OF ITS MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR, GRANULAR BORROW AND AGGREGATE SHALL BE COMPACTED TO 95% OF THEIR MAXIMUM DRY DENSITY AS DETERMINED BY THE MODIFIED PROCTOR.

EROSION CONTROL

- THE ANTICIPATED EROSION CONTROL DEVICES 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.
- 4" LOAM HAS BEEN ESTIMATED FOR 100% OF THE DISTURBED SLOPE AREA. ACTUAL PLACEMENT OF THE LOAM SHALL BE AS DESIGNATED BY THE RESIDENT.
- 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.
- MULCH SHALL BE APPLIED IN AREAS SEEDED EXCEPT WHERE EROSION CONTROL BLANKET IS SPECIFIED.
- ALL TEMPORARY AND PERMANENT EROSION CONTROL DEVICES SHALL BE INSTALLED IN ACCORDANCE WITH THE MAINE ENVIRONMENTAL PROTECTION BEST MANAGEMENT PRACTICES.
- TEMPORARY SEED SHALL BE APPLIED TO ALL DISTURBED AREAS THAT WILL NOT BE SEEDED WITH FINAL SEED WITHIN 30 DAYS.
- TEMPORARY STABILIZATION WITH MULCH OR OTHER NON-ERODABLE 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.
- 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.

DRAINAGE

- NO EXISTING DRAINAGE SHALL BE ABANDONED, REMOVED OR PLUGGED WITHOUT PRIOR APPROVAL OF THE RESIDENT.
- INLETS AND OUTLETS OF ALL CULVERTS SHALL BE RIPRAPPED UNLESS OTHERWISE NOTED ON THE PLANS OR DIRECTED BY THE RESIDENT.
- IF FOUNDATION MATERIAL IS REQUIRED UNDER CULVERTS, IT SHALL MEET THE REQUIREMENTS FOR GRANULAR BORROW - UNDERWATER BACKFILL.
- ANY NECESSARY CUTTING OF EXISTING CATCH BASINS TO TAKE A PROPOSED PIPE WILL NOT BE PAID FOR SEPARATELY AND SHALL BE INCIDENTAL TO THE PROPOSED CULVERT ITEMS.
- 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.
- EXISTING CULVERTS TO REMAIN SHALL BE CLEANED AS DIRECTED BY THE RESIDENT. PAYMENT WILL BE MADE UNDER ITEM 604.182 CLEANING EXISTING CATCH BASIN AND MANHOLE.

UTILITIES

- 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 PRIOR TO THE START OF THE WORK. THE CONTRACTOR SHALL NOTIFY THE RESIDENT 10 DAYS PRIOR TO CONSTRUCTION SO THE RESIDENT MAY COORDINATE WITH DIG SMART.
- ALL UTILITY FACILITIES SHALL BE ADJUSTED BY THE RESPECTIVE UTILITIES UNLESS NOTED OTHERWISE.
- THE UTILITIES INVOLVED IN THIS CONTRACT ARE:
GREG HINDS, THE MAINE TURNPIKE AUTHORITY
KENNEBUNK LIGHT & POWER DISTRICT
KENNEBUNK, KENNEBUNKPORT, AND WELLS WATER DISTRICT
KENNEBUNK SEWER DISTRICT
SPECTRUM
UNITIL
- THERE IS AN EXISTING SOIL VAPOR MONITORING SYSTEM INCLUDING PIPING NETWORKS AND MONITORING WELLS AROUND THE EXISTING UNDERGROUND STORAGE TANKS AND DIESEL DISPENSERS. THIS MONITORING SYSTEM IS ABANDONED AND SHALL BE PROPERLY DISPOSED OF IF ENCOUNTERED DURING EXCAVATION. PAYMENT FOR THIS WORK SHALL BE INCIDENTAL TO TANK REMOVALS.

Filename: 00X_GeneralNotes.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 FUEL SYSTEM REPLACEMENT MILE 25.5 SB AND NB GENERAL NOTES																			
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Drawn	CDH	7\18	In Charge of	RAL	7\18																														

Date: 7/9/2018



NOTE: NORTHBOUND PLAZA BENCHMARK IS WITHIN LIMITS OF PROPOSED WORK.

Filename: 00X_Survey_Control_Plan.dgn

Scale: 100 0 100 200
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date	Checked	By	Date
Designed	PEM	7\18	Checked	LZD	7\18
Drawn	PEM	7\18	In Charge of	RAL	7\18

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB

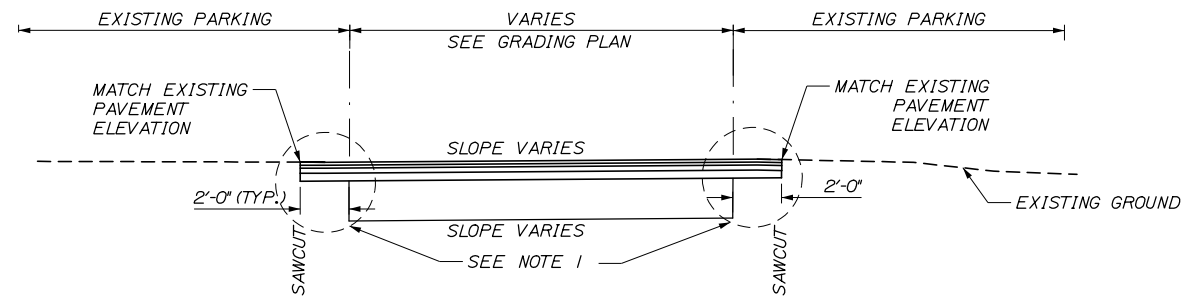
SURVEY CONTROL PLAN

CONTRACT: 2018.18

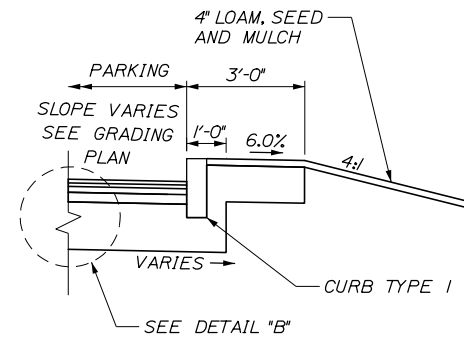
SHEET NUMBER: SP-01

4 OF 43

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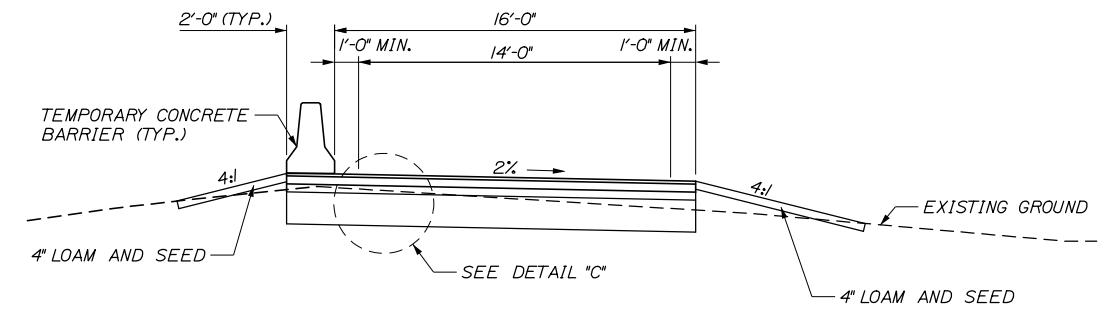
KENNEBUNK SERVICE PLAZA TYPICAL SECTION
N.T.S.



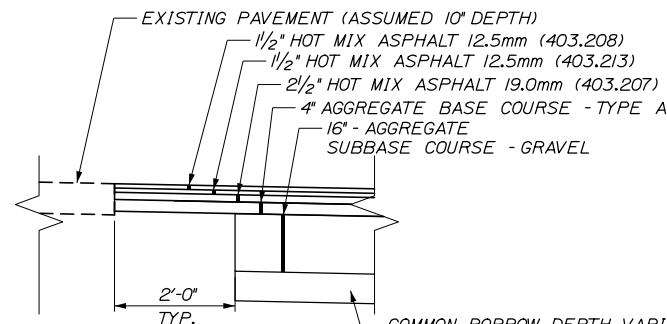
NORTHBOUND SERVICE PLAZA CURB TYPE I DETAIL

NOTE:
1. FOR AREAS REQUIRING EXCAVATION FOR FUEL SYSTEM PAY ITEMS, SEE DETAIL A. FOR ALL OTHER AREAS, SEE DETAIL B. ASSUMED EXCAVATION LIMITS FOR FUEL SYSTEM ITEMS ARE SHOWN ON SHEETS MOT-4 AND MOT-5.

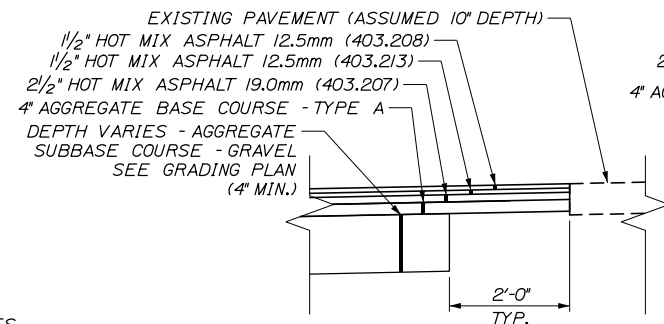
2. CONTRACTOR MAY USE UP TO 5 INCHES OF HMA OVER EXISTING HMA TO PROVIDE FINISHED GRADE. PROPOSED GRADE CHANGE GREATER THAN 5 INCHES SHALL REQUIRE REMOVING PAVEMENT AND BUILDING UP WITH AGGREGATE.



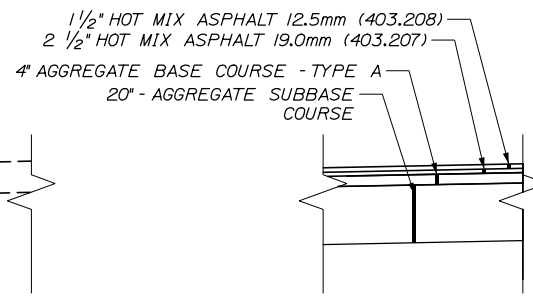
SB TEMPORARY ACCESS RAMP (FACING SOUTH)
N.T.S.



DETAIL "A"
N.T.S.

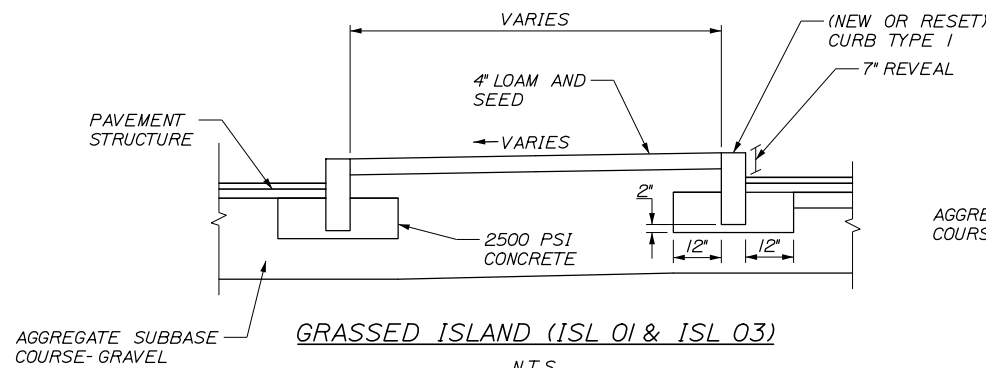


DETAIL "B"
N.T.S.

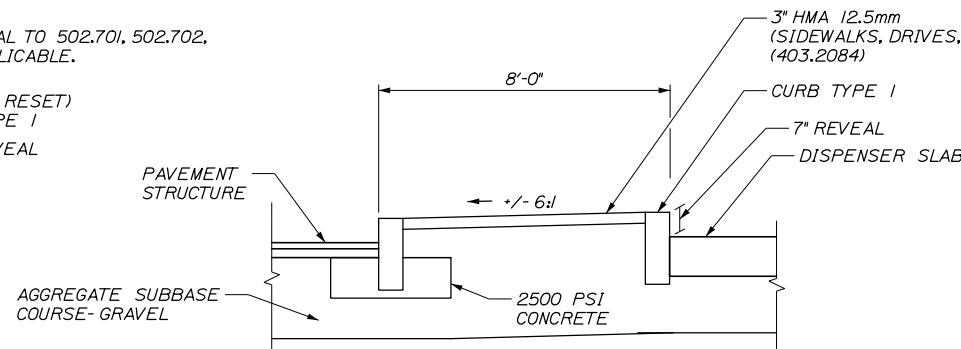


DETAIL "C"
N.T.S.

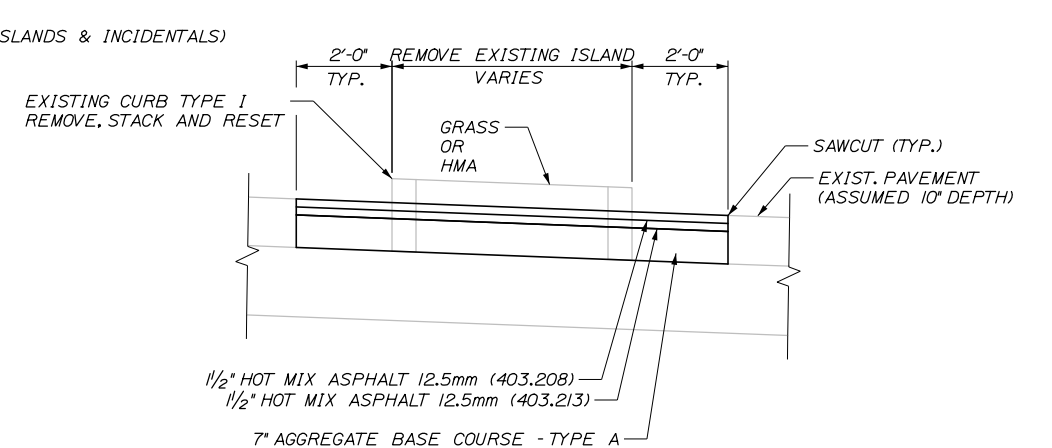
- NOTES (DETAILS A, B AND C):**
1. A COATING OF HOT RUBBERIZED ASPHALT (ASTM D6690 TYPE IV) SHALL BE APPLIED AT THE TOP SURFACE LIFT TO ALL TRANSVERSE BUTT JOINTS AND LONGITUDINAL JOINTS EXCEPT WHERE THE NOTCHED WEDGE IS USED
 2. BITUMINOUS TACK COAT IS REQUIRED BETWEEN EXISTING PAVEMENT AND PROPOSED HMA.
 3. PAYMENT FOR COMMON BORROW SHALL BE INCIDENTAL TO 502.701, 502.702, 502.703, 502.704, 502.705, 800.03, OR 800.04 AS APPLICABLE.



GRASSED ISLAND (ISL 01 & ISL 03)
N.T.S.



GRASSED ISLAND AT SB GAS DISPENSER
N.T.S.




REMOVAL OF EXISTING CURBED ISLAND
N.T.S.

Filename: 00X_Site_Details1.dgn

Scale:			
AS NOTED			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.			
	By	Date	
	PEM	7\18	
	Checked	LZD	7\18
	Drawn	SLS	7\18
	In Charge of	RAL	7\18

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



**THE GOLD STAR
MEMORIAL HIGHWAY**

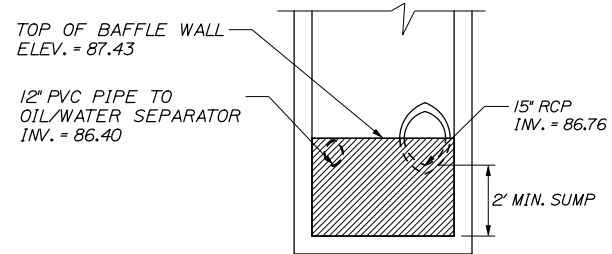
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB

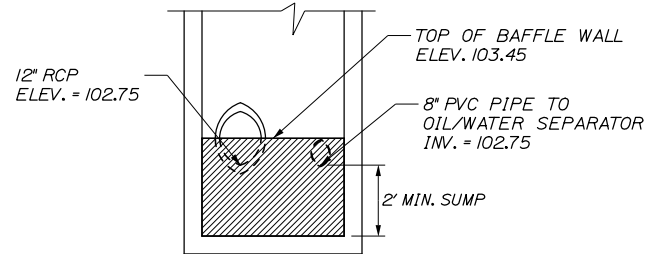
SITE TYPICAL SECTIONS

SHEET NUMBER: TS-1
CONTRACT: 2018.18
5 OF 43

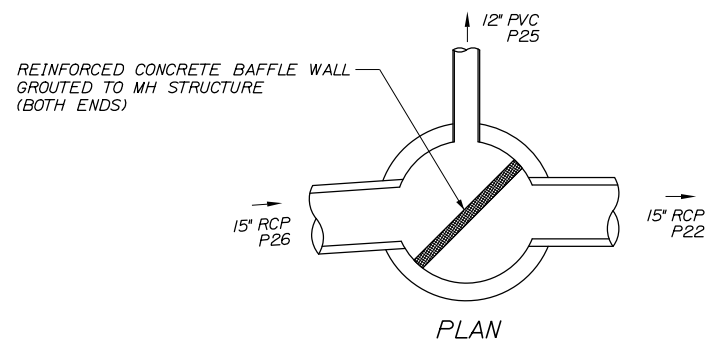
Date: 7/9/2018



SECTION THROUGH
BAFFLE WALL

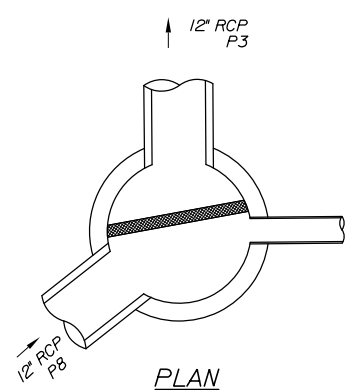


SECTION THROUGH
BAFFLE WALL



PLAN

CB 22
N.T.S.



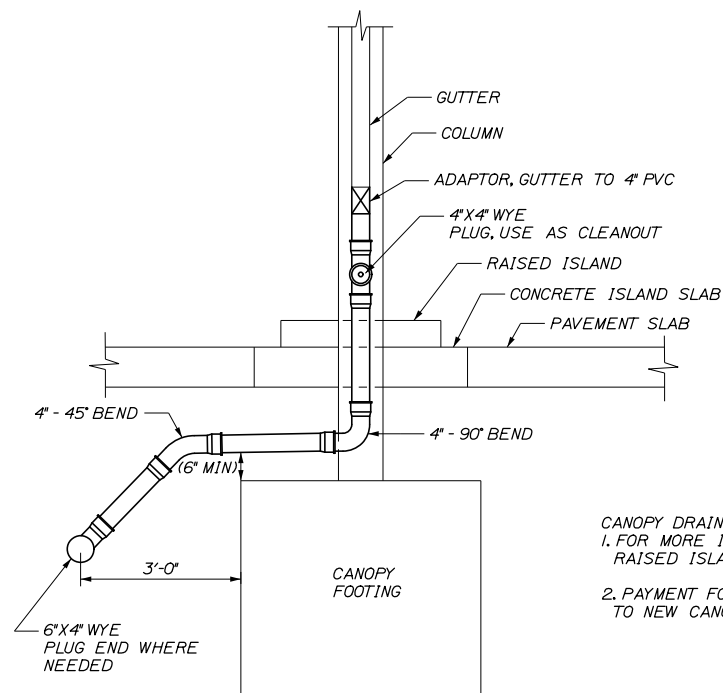
PLAN

CB 6
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)



CANOPY DRAINAGE DETAIL
N.T.S.


CANOPY DRAINAGE NOTES:
1. FOR MORE INFORMATION ON FOOTING, PAVEMENT SLAB, RAISED ISLAND AND ISLAND SLAB SEE STRUCTURAL DETAIL SHEETS S01-S04
2. PAYMENT FOR CANOPY DRAINAGE SHALL BE INCIDENTAL TO NEW CANOPY INSTALLATION - GAS AND DIESEL.

Filename: 00X_Site_Details2.dgn

Scale:			
AS NOTED			
No.	Revision	By	Date

Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
	By	Date		By	Date
Designed	PEM	7\18	Checked	JRH	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

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**THE GOLD STAR
MEMORIAL HIGHWAY**

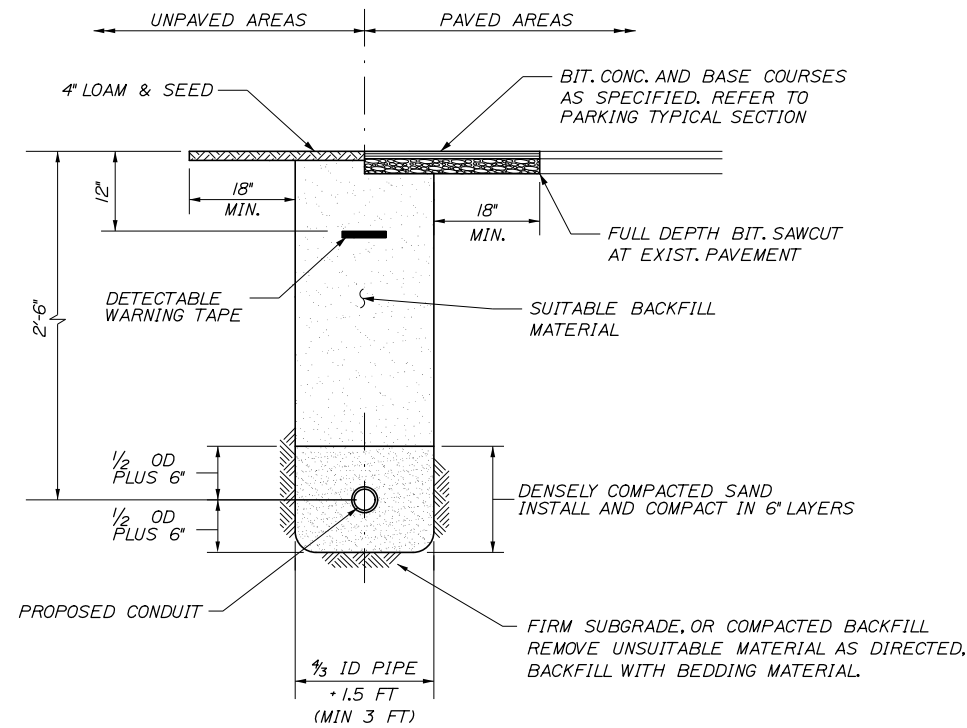
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB

DRAINAGE DETAILS

SHEET NUMBER: MD-01
CONTRACT: 2018.18
6 OF 43

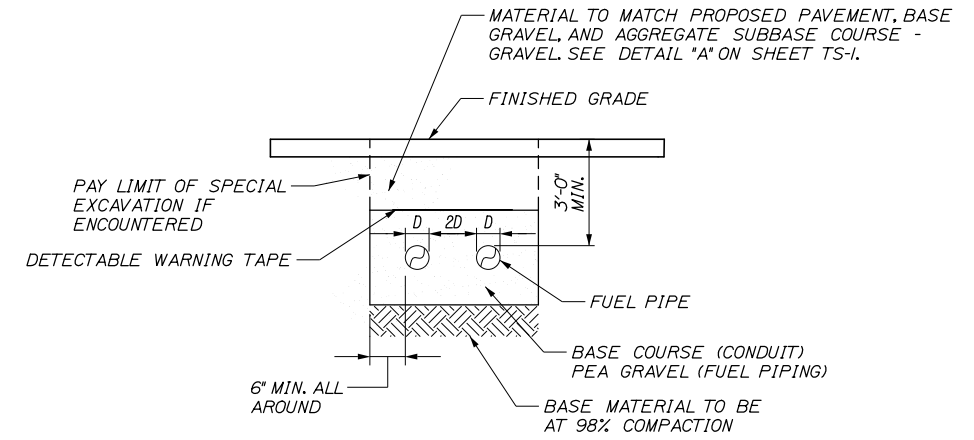
Date: 7/9/2018



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

NOTES:

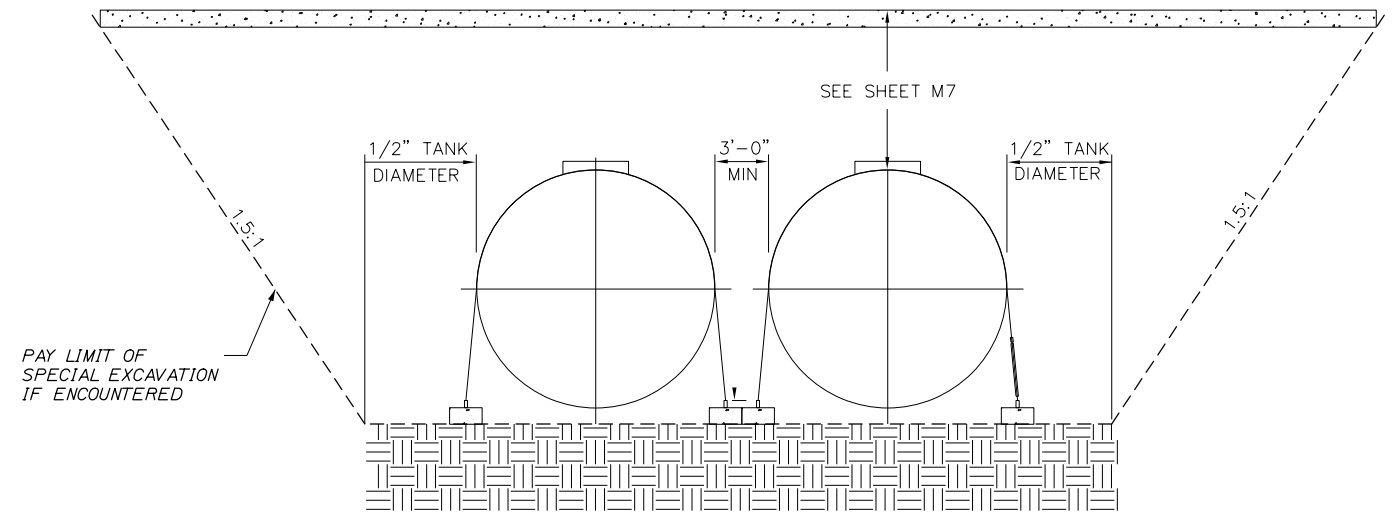
- BEDDING SHALL BE COMPACTED TO A MINIMUM 95% STANDARD PROCTOR DENSITY. USE HAND TAMPERS OR VIBRATORY COMPACTORS.
- CONTRACTOR SHALL SHORE TRENCH SIDES WHEN REQUIRED OR AS DIRECTED BY THE RESIDENT.



TYPICAL BURIED FUEL PIPING SECTION
N.T.S.

NOTES:

PROVIDE UTILITY MARKING TAPE WITH METALLIC TRACE WIRE ABOVE EACH UTILITY.



**UNDERGROUND STORAGE TANK REMOVAL AND
INSTALLATION EXCAVATION LIMITS DETAIL**
(SEE SHEET M7 FOR ADDITIONAL INFORMATION)
N.T.S.

Filename: 00X_Conduit_Detail.dgn

Scale:			
AS NOTED			
No.	Revision	By	Date

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HNTB					
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**THE GOLD STAR
MEMORIAL HIGHWAY**

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KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB

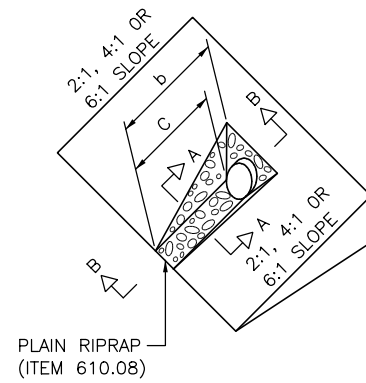
STANDARD TRENCH DETAILS

SHEET NUMBER: SC-01
CONTRACT: 2018.18
7 OF 43

Date: 7/9/2018

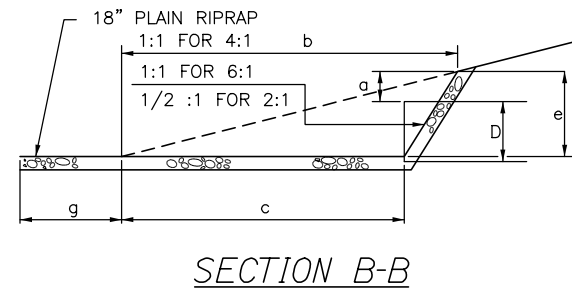
DIMENSIONS FOR SLOPE OF 2:1

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



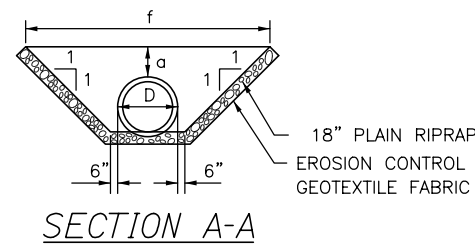
DIMENSIONS FOR SLOPE OF 4:1

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.

Filename: 00X_Erosion Control Detail.dgn

Scale:				Designed by:																			
<table border="1"> <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																
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CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.				<table border="1"> <thead> <tr> <th>By</th> <th>Date</th> <th>By</th> <th>Date</th> </tr> </thead> <tbody> <tr> <td>Designed</td> <td>PEM 7\18</td> <td>Checked</td> <td>LZD 7\18</td> </tr> <tr> <td>Drawn</td> <td>SLS 7\18</td> <td>In Charge of</td> <td>RAL 7\18</td> </tr> </tbody> </table>				By	Date	By	Date	Designed	PEM 7\18	Checked	LZD 7\18	Drawn	SLS 7\18	In Charge of	RAL 7\18				
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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB

EROSION CONTROL DETAILS

SHEET NUMBER: EC-01
 CONTRACT: 2018.18
 9 OF 43



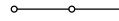
NOTES:

1. CONTRACTOR SHALL MAKE ACCOMMODATIONS FOR SCHEDULED SERVICE PLAZA AND FUEL STATION DELIVERIES.
2. CONTRACTOR SHALL NOTIFY RESIDENT 21 DAYS IN ADVANCE OF AIR PUMP REMOVAL. CONTRACTOR SHALL DISCONNECT ELECTRICAL SUPPLY AT THE PANEL FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL REINSTALL ALL CONDUIT, WIRE, AND JUNCTION BOX THAT IS DISTURBED DURING CONSTRUCTION. PAYMENT SHALL BE INCIDENTAL TO COMMON EXCAVATION.
3. GRANITE CURB REMOVED SHALL BE STACKED THEN REUSED LATER ON THE PROJECT.
4. CONTRACTOR SHALL SEE SPECIFICATIONS FOR PROSECUTION OF WORK, ADDITIONAL INFORMATION, AND OTHER IMPORTANT SCHEDULE CONSTRAINTS.

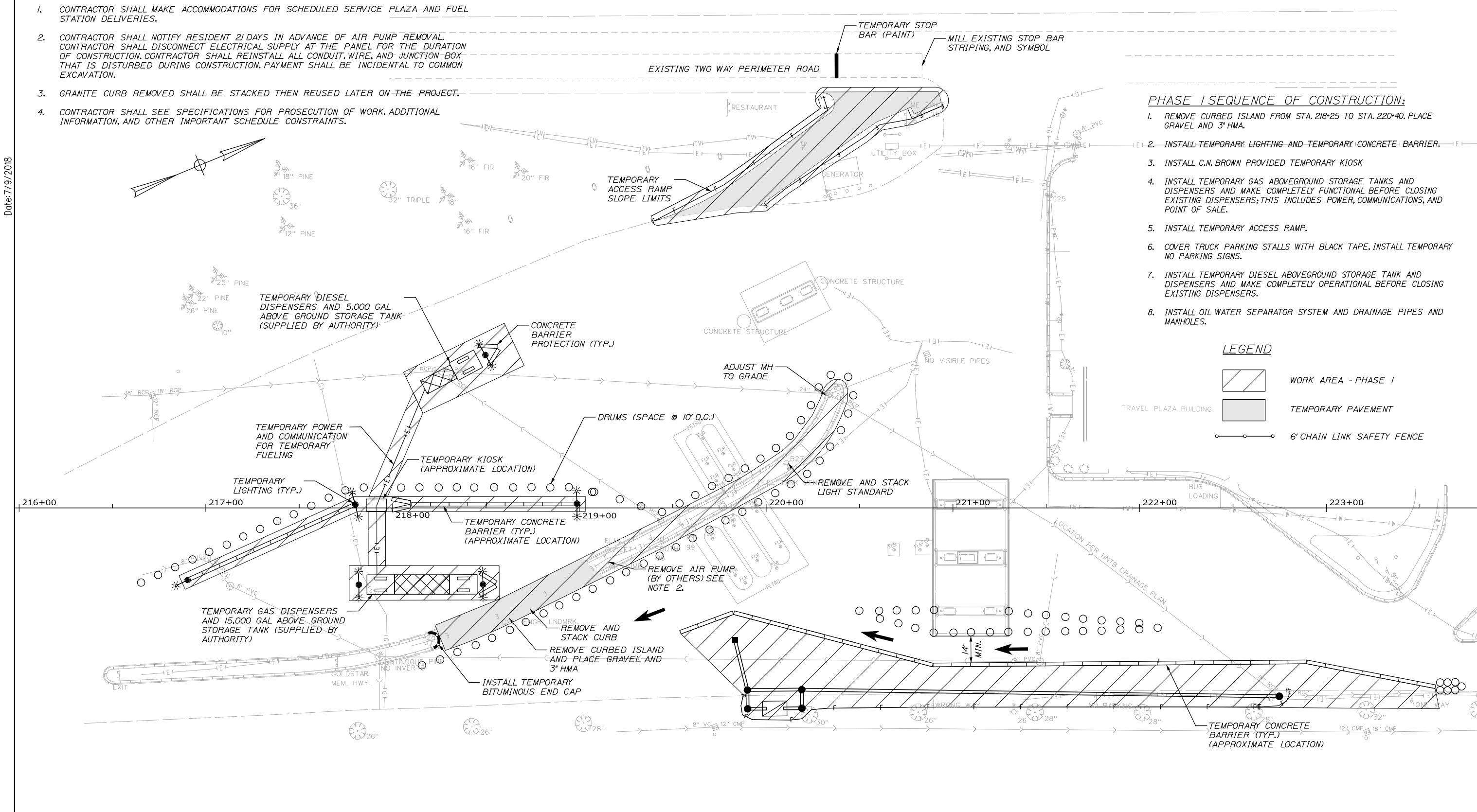
PHASE I SEQUENCE OF CONSTRUCTION:

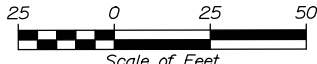

1. REMOVE CURBED ISLAND FROM STA. 218+25 TO STA. 220+40. PLACE GRAVEL AND 3" HMA.
2. INSTALL TEMPORARY LIGHTING AND TEMPORARY CONCRETE BARRIER.
3. INSTALL C.N. BROWN PROVIDED TEMPORARY KIOSK
4. INSTALL TEMPORARY GAS ABOVEGROUND STORAGE TANKS AND DISPENSERS AND MAKE COMPLETELY FUNCTIONAL BEFORE CLOSING EXISTING DISPENSERS; THIS INCLUDES POWER, COMMUNICATIONS, AND POINT OF SALE.
5. INSTALL TEMPORARY ACCESS RAMP.
6. COVER TRUCK PARKING STALLS WITH BLACK TAPE, INSTALL TEMPORARY NO PARKING SIGNS.
7. INSTALL TEMPORARY DIESEL ABOVEGROUND STORAGE TANK AND DISPENSERS AND MAKE COMPLETELY OPERATIONAL BEFORE CLOSING EXISTING DISPENSERS.
8. INSTALL OIL WATER SEPARATOR SYSTEM AND DRAINAGE PIPES AND MANHOLES.

LEGEND

-  WORK AREA - PHASE I
-  TEMPORARY PAVEMENT
-  6' CHAIN LINK SAFETY FENCE

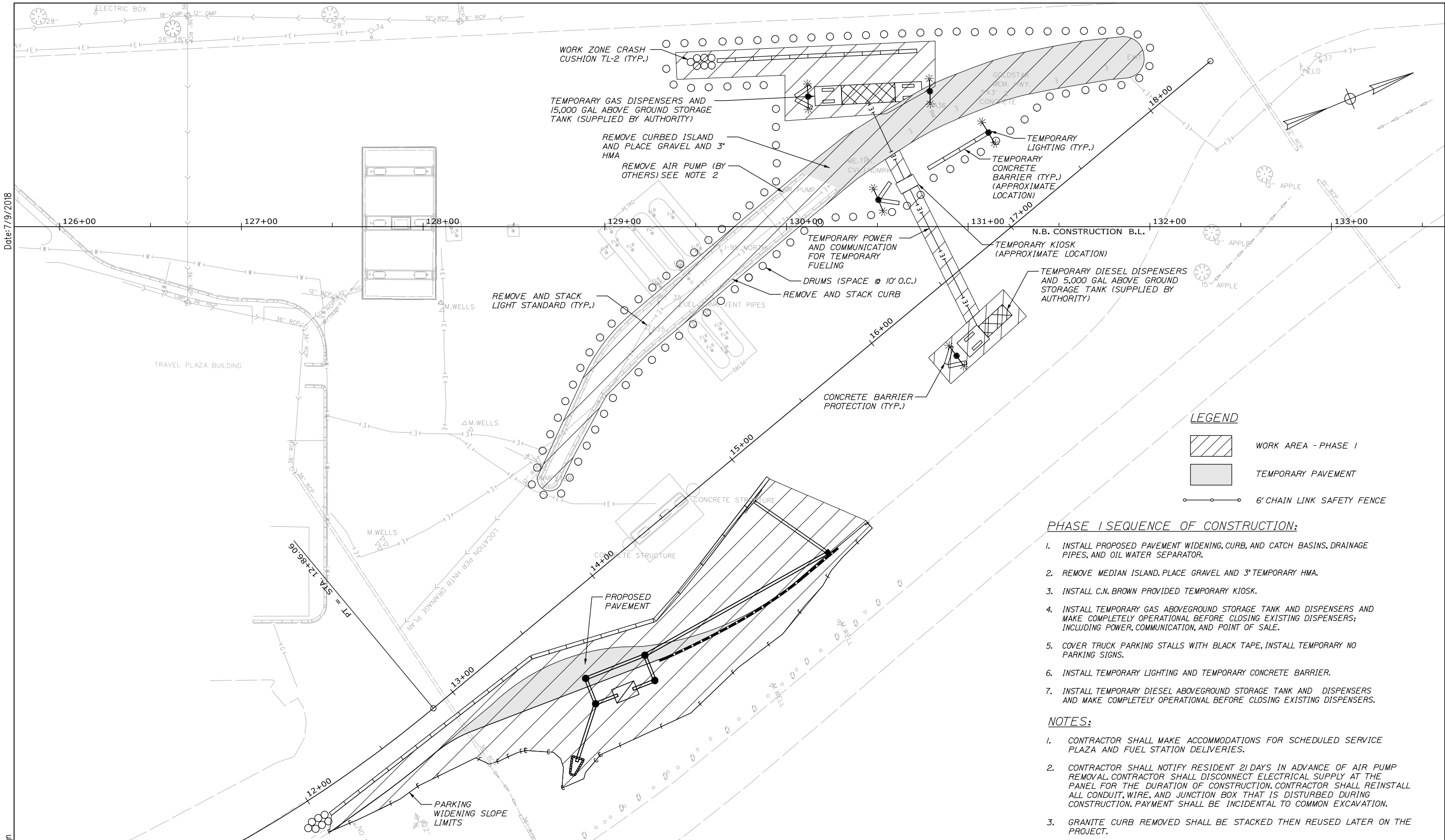
Date: 7/9/2018



<p>Scale:</p>  <p>Scale of Feet</p>	<p>Designed by:</p> <p style="text-align: center; font-size: 2em; font-weight: bold;">HNTB</p>	<p>HNTB CORPORATION 340 County Road, Suite 6-C Westbrook, ME 04092 TEL (207) 774-5155 FAX (207) 228-0909</p>	 <p style="font-size: 1.2em; font-weight: bold;">THE GOLD STAR MEMORIAL HIGHWAY</p>	<p>KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM REPLACEMENT MILE 25.5 SB AND NB MAINTENANCE OF TRAFFIC PHASE 1 - SOUTHBOUND PLAZA</p>																												
<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													<p>CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.</p> <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>AJS 7\18</td> <td>Checked</td> <td>LZD 7\18</td> </tr> <tr> <td>Drawn</td> <td>SLS 7\18</td> <td>In Charge of</td> <td>RAL 7\18</td> </tr> </tbody> </table>	By	Date	By	Date	Designed	AJS 7\18	Checked	LZD 7\18	Drawn	SLS 7\18	In Charge of	RAL 7\18	<p>MTA PROJECT MANAGER: Peter S. Merfeld, P.E.</p>	<p>CONTRACT: 2018.18</p>	<p>SHEET NUMBER: MOT-01 10 OF 43</p>
No.	Revision	By	Date																													
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Drawn	SLS 7\18	In Charge of	RAL 7\18																													

Filename: 00X_SB_Phase 1.dgn

Date: 7/9/2018



LEGEND

- WORK AREA - PHASE I
- TEMPORARY PAVEMENT
- 6' CHAIN LINK SAFETY FENCE

PHASE I SEQUENCE OF CONSTRUCTION:

1. INSTALL PROPOSED PAVEMENT WIDENING, CURB, AND CATCH BASINS, DRAINAGE PIPES, AND OIL WATER SEPARATOR.
2. REMOVE MEDIAN ISLAND. PLACE GRAVEL AND 3" TEMPORARY HMA.
3. INSTALL C.N. BROWN PROVIDED TEMPORARY KIOSK.
4. INSTALL TEMPORARY GAS ABOVEGROUND STORAGE TANK AND DISPENSERS AND MAKE COMPLETELY OPERATIONAL BEFORE CLOSING EXISTING DISPENSERS; INCLUDING POWER, COMMUNICATION, AND POINT OF SALE.
5. COVER TRUCK PARKING STALLS WITH BLACK TAPE, INSTALL TEMPORARY NO PARKING SIGNS.
6. INSTALL TEMPORARY LIGHTING AND TEMPORARY CONCRETE BARRIER.
7. INSTALL TEMPORARY DIESEL ABOVEGROUND STORAGE TANK AND DISPENSERS AND MAKE COMPLETELY OPERATIONAL BEFORE CLOSING EXISTING DISPENSERS.

NOTES:

1. CONTRACTOR SHALL MAKE ACCOMMODATIONS FOR SCHEDULED SERVICE PLAZA AND FUEL STATION DELIVERIES.
2. CONTRACTOR SHALL NOTIFY RESIDENT 21 DAYS IN ADVANCE OF AIR PUMP REMOVAL. CONTRACTOR SHALL DISCONNECT ELECTRICAL SUPPLY AT THE PANEL FOR THE DURATION OF CONSTRUCTION. CONTRACTOR SHALL REINSTALL ALL CONDUIT, WIRE, AND JUNCTION BOX THAT IS DISTURBED DURING CONSTRUCTION. PAYMENT SHALL BE INCIDENTAL TO COMMON EXCAVATION.
3. GRANITE CURB REMOVED SHALL BE STACKED THEN REUSED LATER ON THE PROJECT.

Scale:

No.	Revision	By	Date

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HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	AJS	7\18	Checked	LZD	7\18
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**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 PHASE 1 - NORTHBOUND PLAZA

SHEET NUMBER: MOT-02
 CONTRACT: 2018.18
 11 OF 43

Date: 7/9/2018



Filename: 00X_MOT_Site_Plan_Ph1.dgn

Scale: 100 0 100 200
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	MHP	7\18	Checked	JRH	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
PHASE 1 - SIGNING PLAN

SHEET NUMBER: MOT-03
CONTRACT: 2018.18
12 OF 43

NOTE:
 1. CONTRACTOR SHALL MAKE ACCOMMODATIONS FOR SCHEDULED SERVICE PLAZA AND FUEL STATION DELIVERIES.

Date: 7/9/2018

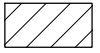

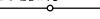

ITEM 607.18 6' CHAIN LINK SAFETY FENCE

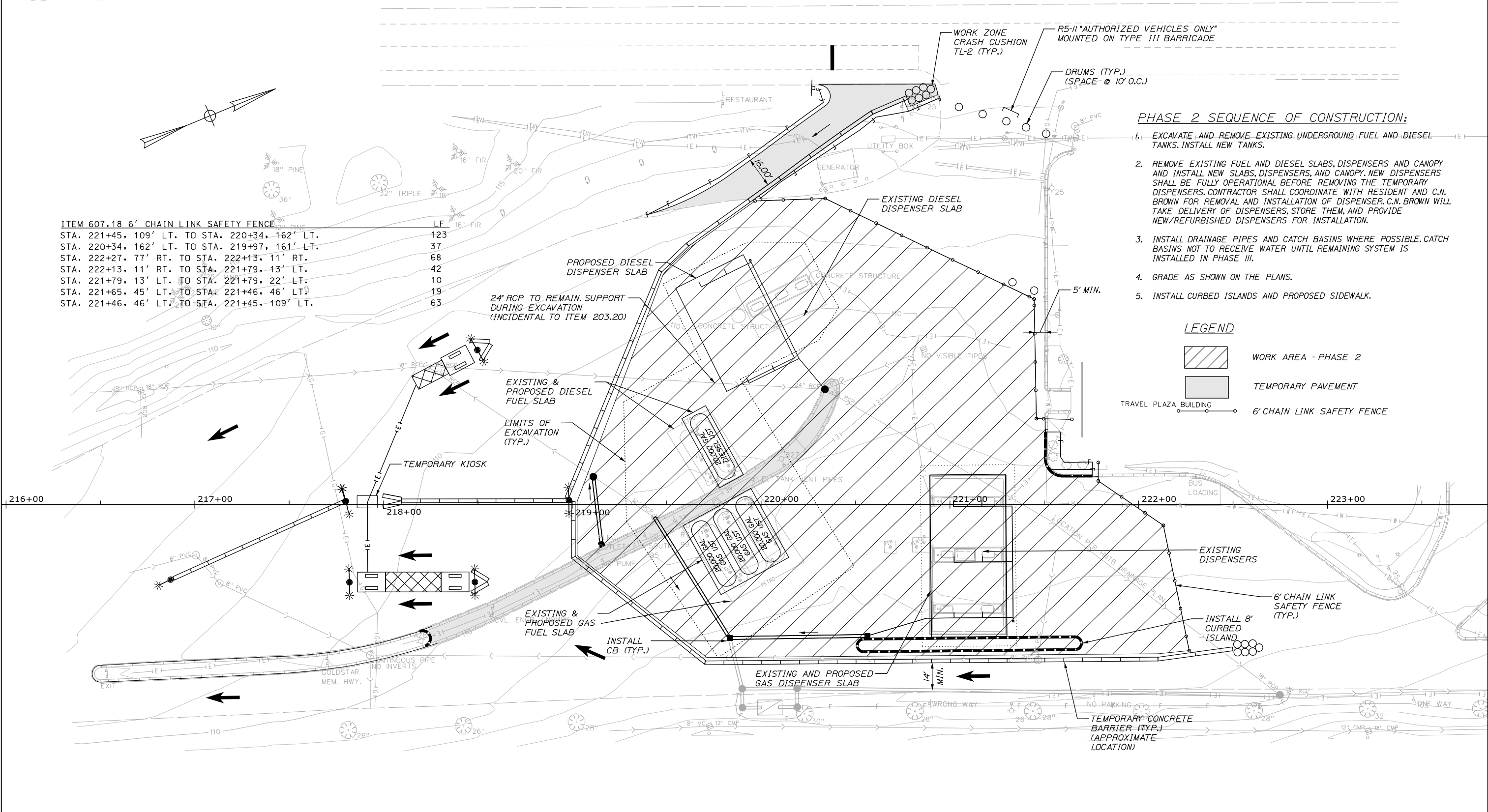
STA. 221+45, 109' LT. TO STA. 220+34, 162' LT.	123
STA. 220+34, 162' LT. TO STA. 219+97, 161' LT.	37
STA. 222+27, 77' RT. TO STA. 222+13, 11' RT.	68
STA. 222+13, 11' RT. TO STA. 221+79, 13' LT.	42
STA. 221+79, 13' LT. TO STA. 221+79, 22' LT.	10
STA. 221+65, 45' LT. TO STA. 221+46, 46' LT.	19
STA. 221+46, 46' LT. TO STA. 221+45, 109' LT.	63

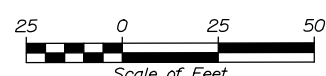
PHASE 2 SEQUENCE OF CONSTRUCTION:

1. EXCAVATE AND REMOVE EXISTING UNDERGROUND FUEL AND DIESEL TANKS. INSTALL NEW TANKS.
2. REMOVE EXISTING FUEL AND DIESEL SLABS, DISPENSERS AND CANOPY AND INSTALL NEW SLABS, DISPENSERS AND CANOPY. NEW DISPENSERS SHALL BE FULLY OPERATIONAL BEFORE REMOVING THE TEMPORARY DISPENSERS. CONTRACTOR SHALL COORDINATE WITH RESIDENT AND C.N. BROWN FOR REMOVAL AND INSTALLATION OF DISPENSER. C.N. BROWN WILL TAKE DELIVERY OF DISPENSERS, STORE THEM, AND PROVIDE NEW/REFURBISHED DISPENSERS FOR INSTALLATION.
3. INSTALL DRAINAGE PIPES AND CATCH BASINS WHERE POSSIBLE. CATCH BASINS NOT TO RECEIVE WATER UNTIL REMAINING SYSTEM IS INSTALLED IN PHASE III.
4. GRADE AS SHOWN ON THE PLANS.
5. INSTALL CURBED ISLANDS AND PROPOSED SIDEWALK.

LEGEND

-  WORK AREA - PHASE 2
-  TEMPORARY PAVEMENT
-  TRAVEL PLAZA BUILDING
-  6' CHAIN LINK SAFETY FENCE



Scale: 

No.	Revision	By	Date


Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	PEM	7\18	Checked	LZD	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

HNTB CORPORATION
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 Westbrook, ME 04092
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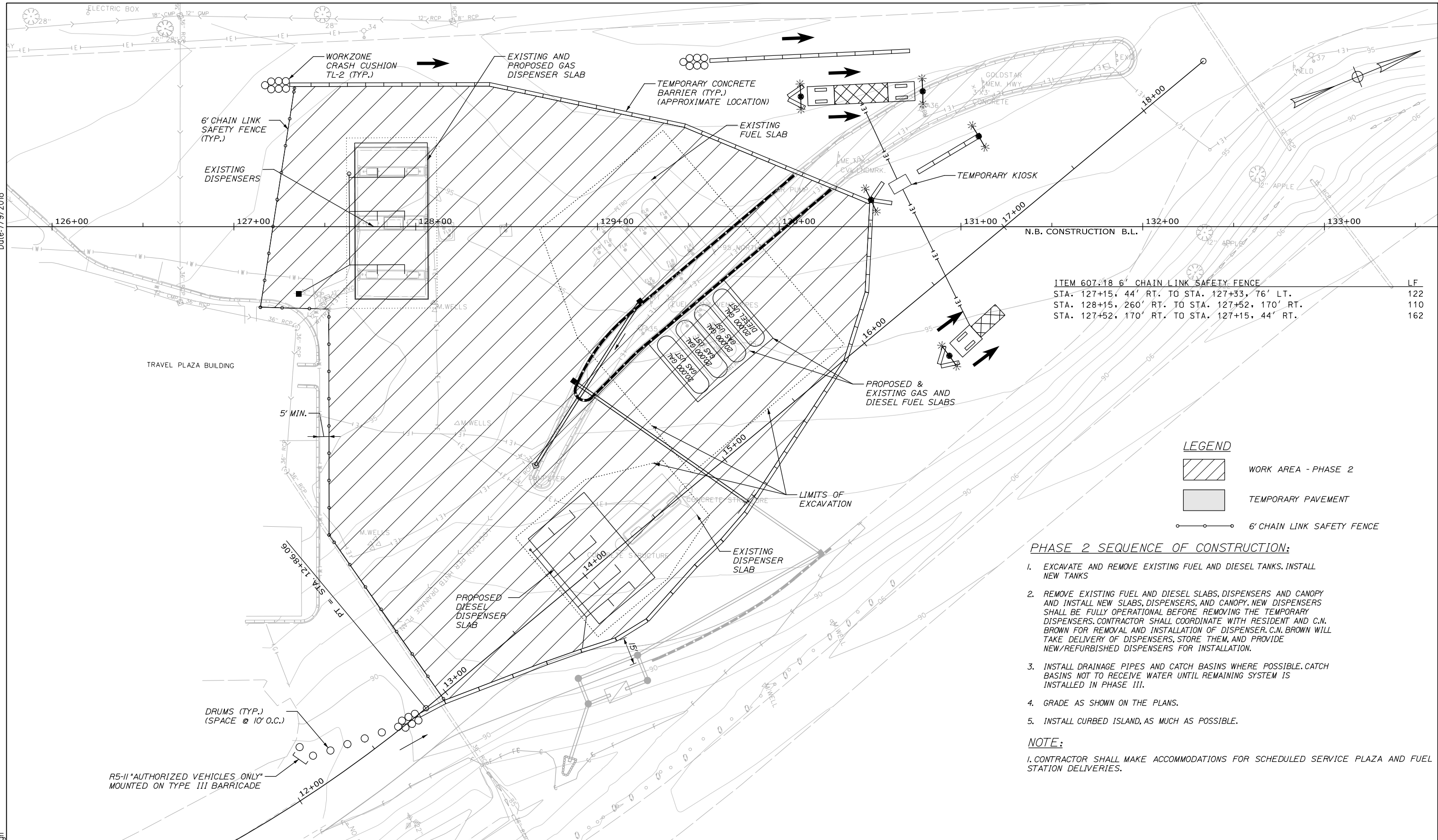
**THE GOLD STAR
 MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 PHASE 2 - SOUTHBOUND PLAZA

SHEET NUMBER: MOT-04
 CONTRACT: 2018.18
 13 OF 43

Date: 7/9/2018



ITEM	DESCRIPTION	LF
607.18	6' CHAIN LINK SAFETY FENCE	122
	STA. 127+15, 44' RT. TO STA. 127+33, 76' LT.	110
	STA. 128+15, 260' RT. TO STA. 127+52, 170' RT.	162

LEGEND

- WORK AREA - PHASE 2
- TEMPORARY PAVEMENT
- 6' CHAIN LINK SAFETY FENCE

- PHASE 2 SEQUENCE OF CONSTRUCTION:**
1. EXCAVATE AND REMOVE EXISTING FUEL AND DIESEL TANKS. INSTALL NEW TANKS
 2. REMOVE EXISTING FUEL AND DIESEL SLABS, DISPENSERS AND CANOPY AND INSTALL NEW SLABS, DISPENSERS, AND CANOPY. NEW DISPENSERS SHALL BE FULLY OPERATIONAL BEFORE REMOVING THE TEMPORARY DISPENSERS. CONTRACTOR SHALL COORDINATE WITH RESIDENT AND C.N. BROWN FOR REMOVAL AND INSTALLATION OF DISPENSER. C.N. BROWN WILL TAKE DELIVERY OF DISPENSERS, STORE THEM, AND PROVIDE NEW/REFURBISHED DISPENSERS FOR INSTALLATION.
 3. INSTALL DRAINAGE PIPES AND CATCH BASINS WHERE POSSIBLE. CATCH BASINS NOT TO RECEIVE WATER UNTIL REMAINING SYSTEM IS INSTALLED IN PHASE III.
 4. GRADE AS SHOWN ON THE PLANS.
 5. INSTALL CURBED ISLAND, AS MUCH AS POSSIBLE.
- NOTE:**
1. CONTRACTOR SHALL MAKE ACCOMMODATIONS FOR SCHEDULED SERVICE PLAZA AND FUEL STATION DELIVERIES.

Scale: Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date	By	Date
Designed	AJS	7\18	Checked	LZD 7\18
Drawn	SLS	7\18	In Charge of	RAL 7\18

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 PHASE 2 - NORTHBOUND PLAZA

SHEET NUMBER: MOT-05
 CONTRACT: 2018.18
 14 OF 43

Date: 7/9/2018



Filename: 00X_MOT_Site_Plan_Ph2.dgn

Scale: 100 0 100 200
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	MHP	7\18	Checked	JRH	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

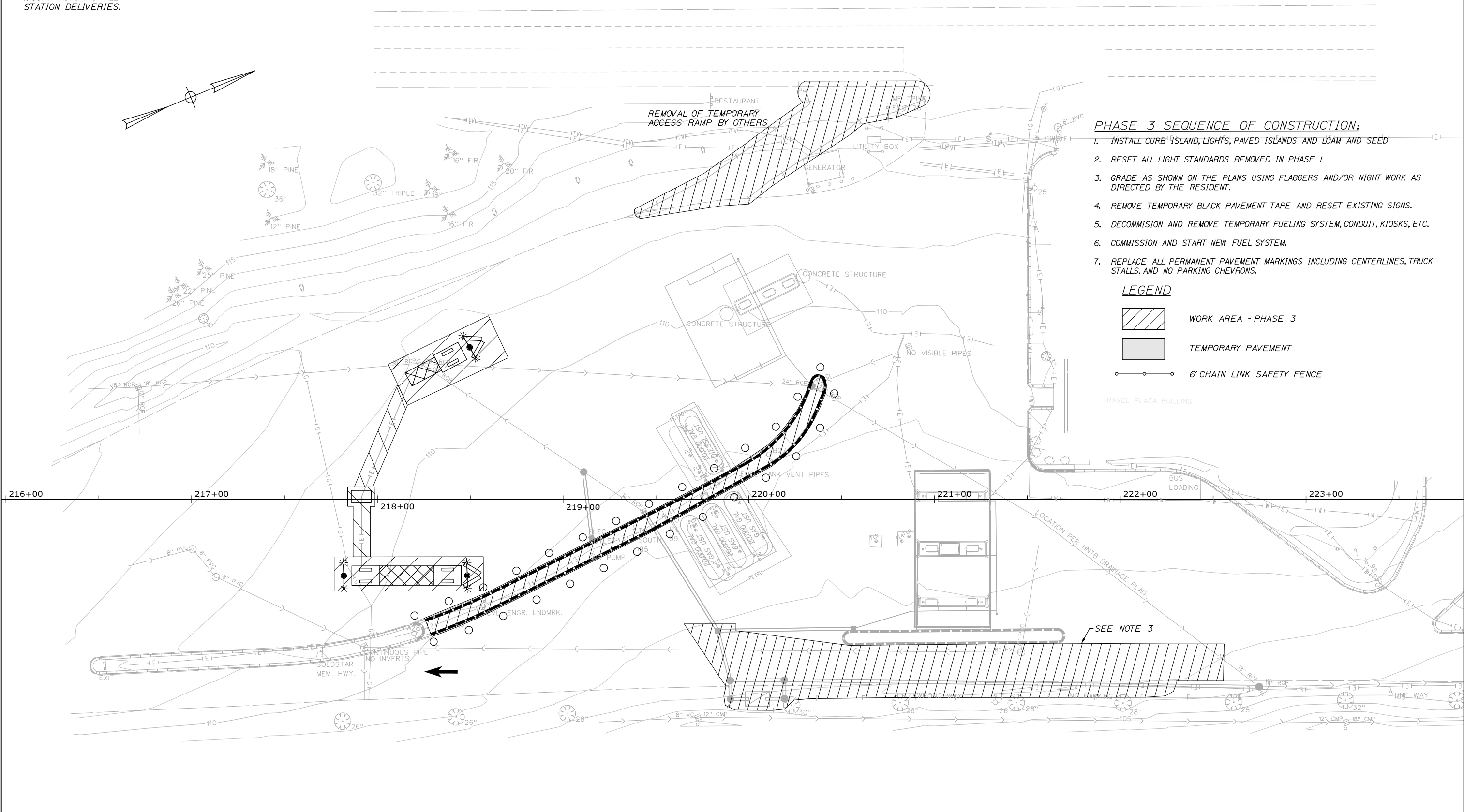
KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
PHASE 2 - SIGNING PLAN

SHEET NUMBER: MOT-06
CONTRACT: 2018.18
15 OF 43

NOTE:

1. CONTRACTOR SHALL MAKE ACCOMMODATIONS FOR SCHEDULED SERVICE PLAZA AND FUEL STATION DELIVERIES.

Date: 7/9/2018



- PHASE 3 SEQUENCE OF CONSTRUCTION:**
1. INSTALL CURB ISLAND, LIGHTS, PAVED ISLANDS AND LOAM AND SEED
 2. RESET ALL LIGHT STANDARDS REMOVED IN PHASE 1
 3. GRADE AS SHOWN ON THE PLANS USING FLAGGERS AND/OR NIGHT WORK AS DIRECTED BY THE RESIDENT.
 4. REMOVE TEMPORARY BLACK PAVEMENT TAPE AND RESET EXISTING SIGNS.
 5. DECOMMISSION AND REMOVE TEMPORARY FUELING SYSTEM, CONDUIT, KIOSKS, ETC.
 6. COMMISSION AND START NEW FUEL SYSTEM.
 7. REPLACE ALL PERMANENT PAVEMENT MARKINGS INCLUDING CENTERLINES, TRUCK STALLS, AND NO PARKING CHEVRONS.

LEGEND

- WORK AREA - PHASE 3
- TEMPORARY PAVEMENT
- 6' CHAIN LINK SAFETY FENCE

Scale:

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	AJS	7\18	Checked	LZD	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

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THE GOLD STAR
MEMORIAL HIGHWAY

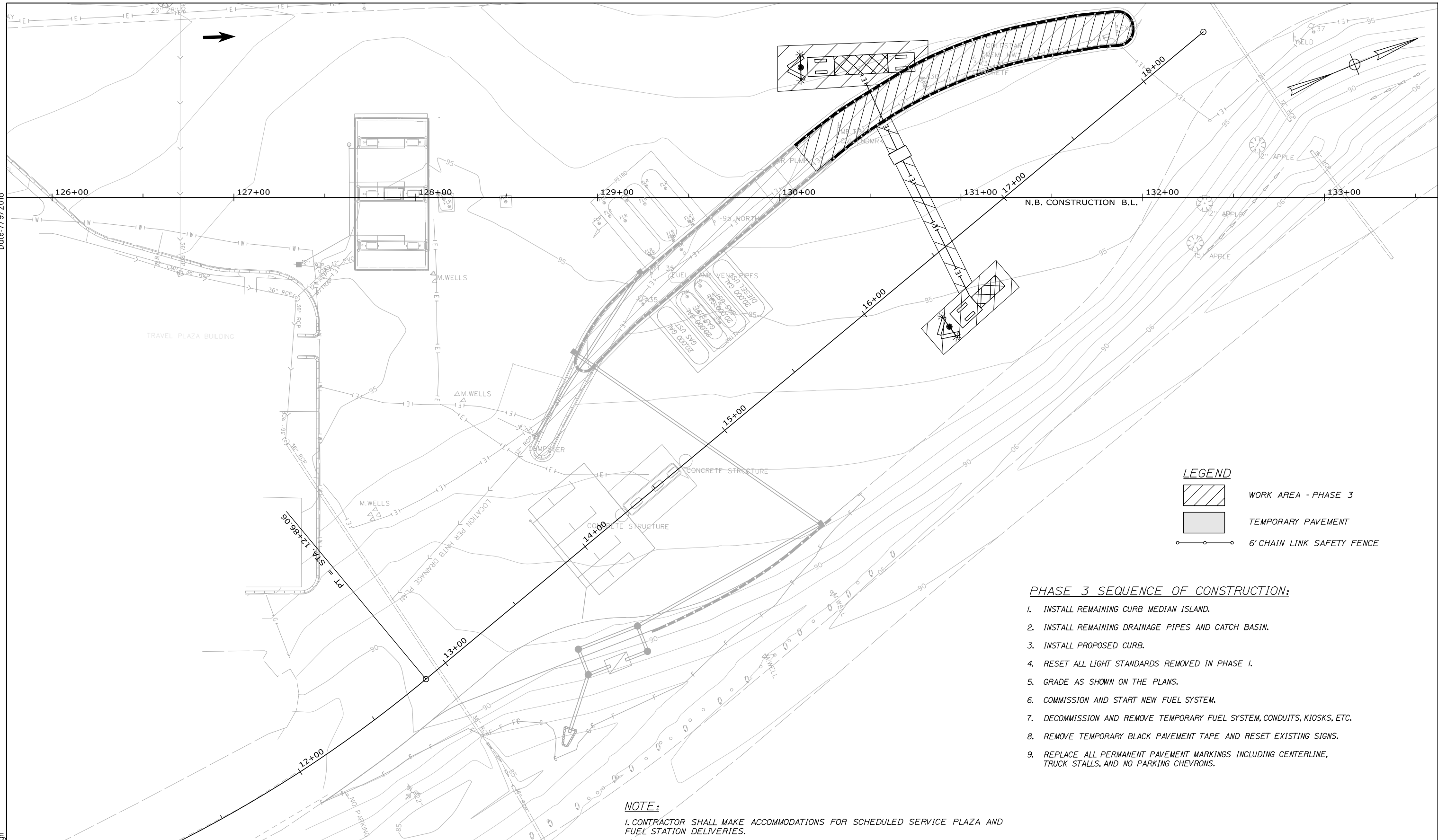
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 PHASE 3 - SOUTHBOUND PLAZA




SHEET NUMBER: MOT-07
 CONTRACT: 2018.18
 16 OF 43

Filename: 00X_SB_Phase 3.dgn

Date: 7/9/2018

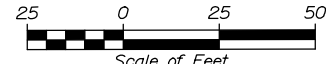


LEGEND

-  WORK AREA - PHASE 3
-  TEMPORARY PAVEMENT
-  6' CHAIN LINK SAFETY FENCE

- PHASE 3 SEQUENCE OF CONSTRUCTION:**
1. INSTALL REMAINING CURB MEDIAN ISLAND.
 2. INSTALL REMAINING DRAINAGE PIPES AND CATCH BASIN.
 3. INSTALL PROPOSED CURB.
 4. RESET ALL LIGHT STANDARDS REMOVED IN PHASE 1.
 5. GRADE AS SHOWN ON THE PLANS.
 6. COMMISSION AND START NEW FUEL SYSTEM.
 7. DECOMMISSION AND REMOVE TEMPORARY FUEL SYSTEM, CONDUITS, KIOSKS, ETC.
 8. REMOVE TEMPORARY BLACK PAVEMENT TAPE AND RESET EXISTING SIGNS.
 9. REPLACE ALL PERMANENT PAVEMENT MARKINGS INCLUDING CENTERLINE, TRUCK STALLS, AND NO PARKING CHEVRONS.

NOTE:
 1. CONTRACTOR SHALL MAKE ACCOMMODATIONS FOR SCHEDULED SERVICE PLAZA AND FUEL STATION DELIVERIES.

Scale: 

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CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 PHASE 3 - NORTHBOUND PLAZA

SHEET NUMBER: MOT-08
 17 OF 43

CONTRACT: 2018.18

Filename: 00X_NB_Phase 3.dgn

Date: 7/9/2018



Filename: 00X_MOT_Site_Plan_Ph3.dgn

Scale: 100 0 100 200
Scale of Feet

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date	By	Date	
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MAINE TURNPIKE

THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
MAINTENANCE OF TRAFFIC
PHASE 3 - SIGNING PLAN

SHEET NUMBER: MOT-09
CONTRACT: 2018.18
18 OF 43

CONSTRUCTION SIGN SUMMARY

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER	
CS-1	54"	18"		4"C 4"C	3" 4" 3"	4"x6" 4"x6"	2	ORANGE	BLACK	6.75 (13.50)
CS-2	54"	18"		4"C 4"C	3.5" 3" 3.5"	4"x6"	1			6.75 (6.75)
CS-3	42"	24"		4"C 4"C 4"C	3" 3" 3"		1			7.00 (7.00)
CS-4	24"	18"		4"C 4"C	3" 4" 3"	4"x6" 4"x6"	2			3.00 (6.00)
CS-5	54"	18"		4"C 4"C	3.5" 3" 3.5"	4"x6"	1			6.75 (6.75)
CS-6	54"	18"		4"C 4"C	3.5" 3" 3.5"	4"x6"	1			6.75 (6.75)
CS-8	48"	36"		4"C 4"C 4"C 4"C	6" 3" 3" 5"	4"x6"	1			12.00 (12.00)
CS-11	36"	30"		4"C 4"C 4"C 4"C	2.5" 3" 3" 2.5"		1			7.50 (7.50)
CS-14	18"	18"		4"C 4"C	3.5" 3" 3.5"		4			2.25 (9.00)
CS-15	48"	36"		4"C 4"C 4"C 4"C	6" 3" 3" 5"	4"x6"	1			12.00 (12.00)
CS-16	54"	18"		4"C 4"C	3.5" 3" 3.5"	4"x6"	1			6.75 (6.75)
CS-17	54"	18"		4"C 4"C	3.5" 3" 3.5"	4"x6"	1			6.75 (6.75)
CS-18	48"	12"		8"D	2" 2"		2			4.00 (8.00)

IDENTIFICATION NUMBER	SIZE OF SIGN		TEXT	TEXT DIMENSIONS (INCHES)			NUMBER OF SIGNS REQUIRED	COLOR		AREA IN SQUARE FEET
	WIDTH	HEIGHT		LETTER HEIGHT	VERTICAL SPACING	ARROW RTE. MKR.		BACK-GROUND	LEGEND BORDER	
CS-19	36"	36"		6"D 6"D 6"D	5" 4" 4" 5"		4	BLUE	WHITE	9.00 (36.00)
R5-11	36"	24"		TEXT DIMENSIONS SHALL CONFORM TO THE STANDARD HIGHWAY SIGNS 2004 EDITION AND 2012 SUPPLEMENT			2	WHITE	BLACK	6.00 (12.00)
R8-3	18"	24"					10	WHITE	RED	3.00 (30.00)
G20-2	36"	18"					6	ORANGE	BLACK	4.50 (27.00)
W20-1	48"	48"					4	ORANGE	BLACK	16.00 (64.00)

Date: 7/9/2018

Filename: 00X_Sign_Summary_1.dgn

Scale: NOT TO SCALE

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

By	Date	By	Date
Designed MHP	7\18	Checked JRH	7\18
Drawn SLS	7\18	In Charge of RAL	7\18

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THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 MAINTENANCE OF TRAFFIC
 SIGN SUMMARY

SHEET NUMBER: SS-01
 CONTRACT: 2018.18
 19 OF 43

Date: 7/9/2018

CONTROL POINTS FOR CURBING						
ISL 01						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
1	218+25.33	63.94' RT.	209985.99	2847952.36	109.98	109.40
1A	218+18.84	66.57' RT.	209978.99	2847952.32	110.03	109.45
2	218+54.56	52.07' RT.	210017.54	2847952.54	109.71	109.13
3	218+61.37	49.00' RT.	210025.01	2847952.31	109.67	109.09
4	219+39.71	10.12' RT.	210112.25	2847946.27	109.28	108.70
5	219+44.86	7.53' RT.	210118.00	2847945.84	109.18	108.60
6	219+86.20	13.58' LT.	210164.27	2847942.10	110.08	109.50
7	220+06.97	26.92' LT.	210188.56	2847937.69	110.32	109.74
8	220+33.41	65.02' LT.	210227.54	2847912.57	111.12	110.54
9	220+40.92	65.31' LT.	210234.58	2847915.18	110.95	110.37
10	220+40.87	56.08' LT.	210231.02	2847923.68	110.77	110.19
11	220+38.42	50.09' LT.	210226.47	2847928.29	110.68	110.1
12	220+07.30	15.16' LT.	210184.37	2847948.70	109.98	109.4
13	219+49.98	16.32' RT.	210119.38	2847955.92	109.72	109.14
14	219+42.52	20.22' RT.	210111.00	2847956.67	109.71	109.13
15	218+60.21	61.01' RT.	210019.34	2847962.97	110.43	109.85
16	218+29.10	73.90' RT.	209985.67	2847963.01	110.58	110.00
16A	218+22.43	76.03' RT.	209978.70	2847962.43	110.64	110.06

CONTROL POINTS FOR CURBING						
MR 01						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
17	221+50.03	38.51' LT.	210325.21	2847981.58	110.58	110.00
18	221+49.94	24.57' LT.	210319.81	2847994.43	110.44	109.86
19	221+59.96	14.51' LT.	210325.23	2848007.56	110.05	109.47
20	221+75.37	14.54' LT.	210339.49	2848013.41	109.97	109.39

CONTROL POINTS FOR CURBING						
ISL 02						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
21	220+54.28	70.62' RT.	210195.06	2848045.91	109.12	108.54
22	221+66.27	69.46' RT.	210299.02	2848087.59	109.32	108.74
23	221+66.35	77.46' RT.	210296.04	2848095.01	108.08	107.50
24	220+54.36	78.62' RT.	210192.08	2848053.34	107.95	107.37

ITEM 608.08 REINFORCED CONCRETE SIDEWALK SY
 STA. 221+65. LT. 8.29
 ITEM 626.22 NON-METALIC CONDUIT LE
 NORTHBOUND PLAZA ESTIMATED QUANTITY 410

EXISTING TWO WAY PERIMETER ROAD

ITEM 609.11 VERTICAL CURB TYPE 1 AND ITEM 609.38 RESET CURB TYPE 1			
ISL 01			
POINT TO POINT	LENGTH	RADIUS	
1 TO 1A	7'	-	
1 TO 2	31.55'	-	
2 TO 3	7.48'	100.00'	
3 TO 4	87.45'	-	
4 TO 5	5.77'	500.00'	
5 TO 6	46.42'	-	
6 TO 7	24.72'	125.00'	
7 TO 8	47.05'	80.00'	
10 TO 11	6.47'	-	
11 TO 12	47.70'	70.00'	
12 TO 13	65.39'	-	
13 TO 14	8.42'	200.00'	
14 TO 15	91.87'	-	
15 TO 16	33.70'	250.00'	
16 TO 16A	7'	-	

ITEM 609.12 VERTICAL CURB TYPE 1 - CIRCULAR			
ISL 01			
POINT TO POINT	LENGTH	RADIUS	
8 TO 9	9.76'	4.00'	
9 TO 10	9.47'	12.00'	

ITEM 609.11 VERTICAL CURB TYPE 1 AND ITEM 609.38 RESET CURB TYPE 1			
MR 01			
POINT TO POINT	LENGTH	RADIUS	
17 TO 18	13.94'	-	
18 TO 19	15.79'	10.00'	
19 TO 20	15.41'	-	

ITEM 609.12 VERTICAL CURB TYPE 1 - CIRCULAR			
ISL 02			
POINT TO POINT	LENGTH	RADIUS	
22 TO 23	12.57'	4.00'	
24 TO 21	12.57'	4.00'	

- ITEM 622.10 TRANSPLANTING SHRUB EA
STA. 221+60, LT. 4
- ITEM 645.109 REMOVE AND RESET SIGN EA
STA. 218+57.81, 56.9' RT.
STA. 219+38.68, 16.3' RT.
STA. 219+54.38, 8.4' RT.
STA. 220+89.67, 105.4' RT.
STA. 221+76.82, 101.3' RT.
- ITEM 626.13 18"X12"X18" QUARTZITE JUNCTION BOX EA
STA. 219+13.09, 26.9' RT. 1
STA. 220+12.46, 22.1' LT. 1
- ITEM 634.208 REMOVE AND RESET LIGHT STANDARD EA
STA. 220+10.78, 24.3' RT. 1
- ITEM 626.32 24 INCH DIAMETER FOUNDATION EA
STA. 220+10.78, 24.3' RT. 1
- ITEM 626.36 REMOVE OR MODIFY CONCRETE FOUNDATION EA
STA. 220+10.78, 24.3' RT. 1

SB PLAZA BASELINE

216+00 217+00 218+00 219+00 220+00 221+00 222+00 223+00

CONTRACTOR SHALL REINSTALL ALL CONDUIT, WIRE, AND JUNCTION BOX FOR AIR PUMP THAT IS DISTURBED DURING CONSTRUCTION.

RESET CURB
RESET SIGN

RESET SIGNS

INTERCEPT EXISTING CONDUIT AND INSTALL JUNCTION BOX

RESET SIGNS

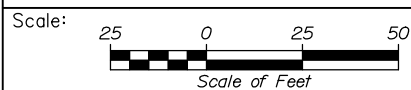
11'X10' 3" PAVED APRON
FINAL CONDUIT LOCATIONS TO BE DETERMINED IN THE FIELD
DIESEL AND GAS TANKS TO BE SUPPLIED BY THE AUTHORITY

TRAVEL PLAZA BUILDING

TRANSPLANT SHRUBS
REMOVE AND RESET CURB
RECONSTRUCT SIDEWALK TO RAMP

NOTES:

1. FOR DETAILED PAVEMENT ELEVATIONS AND DRAINAGE INFORMATION, SEE "GRADING AND DRAINAGE PLAN - SOUTHBOUND PLAZA"
2. CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS DISTURBED DURING CONSTRUCTION INCLUDING TRUCK PARKING STALLS, ACCESS ROAD CENTERLINES, AND NO PARKING CHEVRONS. PAVEMENT MARKINGS ARE INCIDENTAL TO THE CONTRACT.



Designed by:



HNTB CORPORATION
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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
FINAL SITE PLAN
SOUTHBOUND PLAZA

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
	By	Date		By	Date
Designed	PEM	7\18	Checked	LZD	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

CONTRACT: 2018.18

SHEET NUMBER: FP-01

20 OF 43

Filename: 00X_SB_Final Site Plan.dgn

Date: 7/9/2018

Filename: 00X_NB_Final Site Plan.dgn

NOTE:
 1. FOR DETAILED PAVEMENT ELEVATIONS AND DRAINAGE INFORMATION, SEE "GRADING AND DRAINAGE PLAN - SOUTHBOUND PLAZA"
 2. CONTRACTOR SHALL REPLACE ALL PAVEMENT MARKINGS DISTURBED DURING CONSTRUCTION INCLUDING TRUCK PARKING STALLS, ACCESS ROAD CENTERLINES, AND NO PARKING CHEVRONS. PAVEMENT MARKINGS ARE INCIDENTAL TO THE CONTRACT.

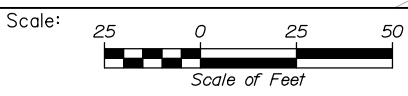
CONTRACTOR SHALL REINSTALL ALL CONDUIT, WIRE, AND JUNCTION BOX FOR AIR PUMP THAT IS DISTURBED DURING CONSTRUCTION.

ITEM 609.11 VERTICAL CURB TYPE 1 AND ITEM 609.38 RESET CURB TYPE 1		
ISL 03		
POINT TO POINT	LENGTH	RADIUS
27 TO 28	4.27'	-
28 TO 29	44.60'	100.00'
29 TO 30	123.64'	-
30 TO 31	44.58'	300.00'
31 TO 32	17.61'	-
32 TO 33	80.87'	225.00'
33 TO 34	22.88'	-
34 TO 35	9.68'	100.00'
35 TO 36	16.79'	-
39 TO 40	6.30'	-
40 TO 41	9.36'	100.00'
41 TO 42	21.63'	-
42 TO 43	129.08'	250.00'
43 TO 44	32.55'	-
44 TO 45	4.88'	500.00'
45 TO 46	104.55'	-
46 TO 47	9.09'	100.00'
47 TO 48	30.37'	-

ITEM 609.11 VERTICAL CURB TYPE 1 AND ITEM 609.38 RESET CURB TYPE 1		
MR 03		
POINT TO POINT	LENGTH	RADIUS
49A TO 50	38.56'	500.00'
50 TO 51	39.21	265.00'
51 TO 52	9.24	170.00'
52 TO 53	21.75'	-

ITEM 609.234 TERMINAL CURB TYPE 1 - 4 FOOT		
MR 03		
POINT TO POINT		
49 TO 49a		
53 TO 54		

ITEM 609.12 VERTICAL CURB TYPE 1 - CIRCULAR AND ITEM 609.38 RESET CURB TYPE 1		
ISL 03		
POINT TO POINT	LENGTH	RADIUS
36 TO 37	14.19'	9.00'
37 TO 38	1.89'	-
38 TO 39	14.23'	9.00'
48 TO 27	16.71	6.00'



Designed by:



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THE GOLD STAR
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KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 FINAL SITE PLAN
 NORTHBOUND PLAZA

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
No.	Revision	By	Date	By	Date
Designed	PEM	7\18	Checked	LZD	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

CONTRACT: 2018.18

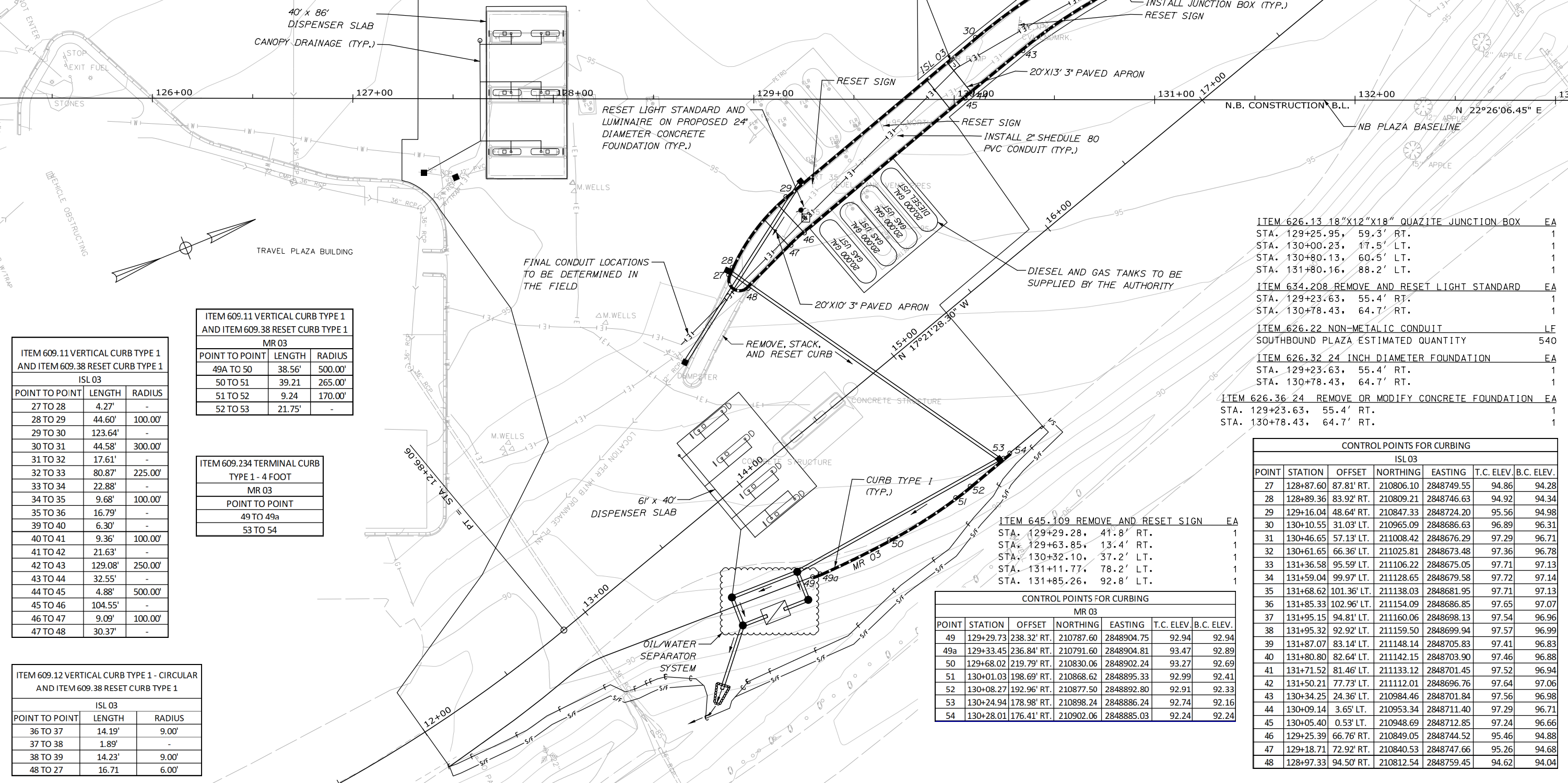
SHEET NUMBER: FP-02

21 OF 43

ITEM 626.13 18"X12"X18" QUAZITE JUNCTION BOX	EA
STA. 129+25.95, 59.3' RT.	1
STA. 130+00.23, 17.5' LT.	1
STA. 130+80.13, 60.5' LT.	1
STA. 131+80.16, 88.2' LT.	1
ITEM 634.208 REMOVE AND RESET LIGHT STANDARD	EA
STA. 129+23.63, 55.4' RT.	1
STA. 130+78.43, 64.7' RT.	1
ITEM 626.22 NON-METALLIC CONDUIT	LF
SOUTHBOUND PLAZA ESTIMATED QUANTITY	540
ITEM 626.32 24 INCH DIAMETER FOUNDATION	EA
STA. 129+23.63, 55.4' RT.	1
STA. 130+78.43, 64.7' RT.	1
ITEM 626.36 24 REMOVE OR MODIFY CONCRETE FOUNDATION	EA
STA. 129+23.63, 55.4' RT.	1
STA. 130+78.43, 64.7' RT.	1

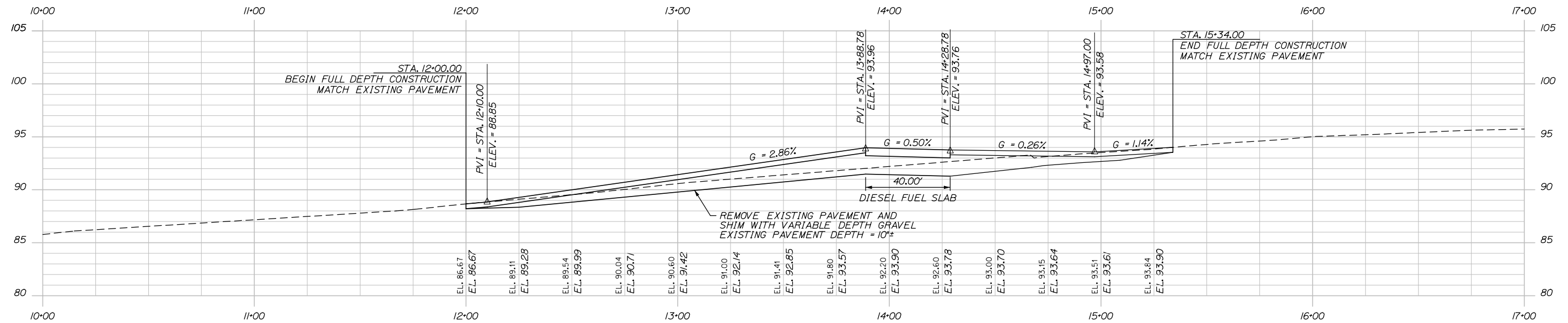
CONTROL POINTS FOR CURBING						
ISL 03						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
27	128+87.60	87.81' RT.	210806.10	2848749.55	94.86	94.28
28	128+89.36	83.92' RT.	210809.21	2848746.63	94.92	94.34
29	129+16.04	48.64' RT.	210847.33	2848724.20	95.56	94.98
30	130+10.55	31.03' LT.	210965.09	2848686.63	96.89	96.31
31	130+46.65	57.13' LT.	211008.42	2848676.29	97.29	96.71
32	130+61.65	66.36' LT.	211025.81	2848673.48	97.36	96.78
33	131+36.58	95.59' LT.	211106.22	2848675.05	97.71	97.13
34	131+59.04	99.97' LT.	211128.65	2848679.58	97.72	97.14
35	131+68.62	101.36' LT.	211138.03	2848681.95	97.71	97.13
36	131+85.33	102.96' LT.	211154.09	2848686.85	97.65	97.07
37	131+95.15	94.81' LT.	211160.06	2848698.13	97.54	96.96
38	131+95.32	92.92' LT.	211159.50	2848699.94	97.57	96.99
39	131+87.07	83.14' LT.	211148.14	2848705.83	97.41	96.83
40	131+80.80	82.64' LT.	211142.15	2848703.90	97.46	96.88
41	131+71.52	81.46' LT.	211133.12	2848701.45	97.52	96.94
42	131+50.21	77.73' LT.	211112.01	2848696.76	97.64	97.06
43	130+34.25	24.36' LT.	210984.46	2848701.84	97.56	96.98
44	130+09.14	3.65' LT.	210953.34	2848711.40	97.29	96.71
45	130+05.40	0.53' LT.	210948.69	2848712.85	97.24	96.66
46	129+25.39	66.76' RT.	210849.05	2848744.52	95.46	94.88
47	129+18.71	72.92' RT.	210840.53	2848747.66	95.26	94.68
48	128+97.33	94.50' RT.	210812.54	2848759.45	94.62	94.04

CONTROL POINTS FOR CURBING						
MR 03						
POINT	STATION	OFFSET	NORTHING	EASTING	T.C. ELEV.	B.C. ELEV.
49	129+29.73	238.32' RT.	210787.60	2848904.75	92.94	92.94
49a	129+33.45	236.84' RT.	210791.60	2848904.81	93.47	92.89
50	129+68.02	219.79' RT.	210830.06	2848902.24	93.27	92.69
51	130+01.03	198.69' RT.	210868.62	2848895.33	92.99	92.41
52	130+08.27	192.96' RT.	210877.50	2848892.80	92.91	92.33
53	130+24.94	178.98' RT.	210898.24	2848886.24	92.74	92.16
54	130+28.01	176.41' RT.	210902.06	2848885.03	92.24	92.24



Date: 7/9/2018

PROFILE
SOUTHBOUND APPROACH RAMP TO PROPOSED DIESEL/TRUCK FUELING WILL MATCH EXISTING PROFILE



PROFILE
NORTHBOUND APPROACH RAMP TO PROPOSED DIESEL/TRUCK FUELING DISPENSERS

Scale: Horiz. 25 0 25 50
Vert. 5 0 5 10

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.			
	By	Date	
	PEM	7\18	
	Checked	LZD	7\18
	By	Date	
	Drawn	SLS	7\18
	In Charge of	RAL	7\18

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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB

PROFILES

SHEET NUMBER: PR-01
CONTRACT: 2018.18
22 OF 43

GRADING NOTE:
EXISTING AND PROPOSED CONTOURS ARE AT 6" INTERVALS

OIL WATER SEPARATOR
(SHOWN FOR INFORMATIONAL PURPOSES)

CB3
STA. 220+11.16, 97.40' RT.
INSTALL CB TYPE BI
(SOLID COVER)
RIM ELEV. = 107.25
12" INV. IN = 101.75
10" INV. IN = 101.95
15" INV. OUT = 101.50

CB5
STA. 219+89.00, 106.62' RT.
INSTALL CB TYPE BI
(SOLID COVER)
RIM ELEV. 106.85
8" INV. IN = 102.70
8" INV. OUT = 102.45

CB4
STA. 220+11.17, 106.38' RT.
INSTALL CB TYPE BI
(SOLID COVER)
RIM ELEV. = 106.85
10" INV. IN = 102.25
10" INV. OUT = 102.20

CB6
STA. 219+88.99, 97.56' RT.
INSTALL CB TYPE BI
(SOLID COVER)
RIM ELEV. = 107.40
12" INV. IN = 103.10
12" INV. OUT = 102.75
8" INV. OUT = 102.75

P3
CB3 TO CB6
INSTALL 18" X 12" RCP

P6
OIL WATER SEPARATOR TO CB5
INSTALL 11" X 8" PVC PIPE

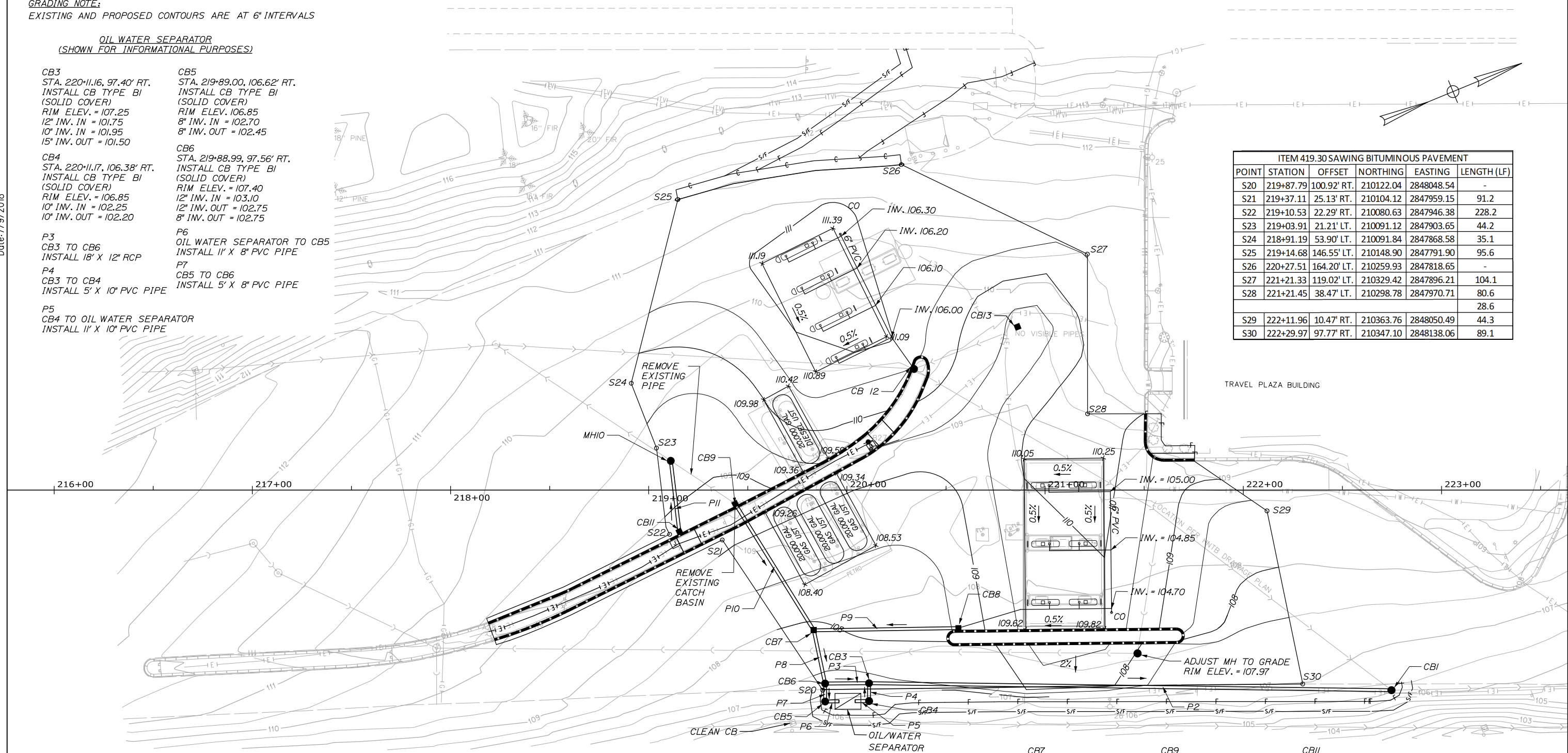
P4
CB3 TO CB4
INSTALL 5" X 10" PVC PIPE

P7
CB5 TO CB6
INSTALL 5" X 8" PVC PIPE

P5
CB4 TO OIL WATER SEPARATOR
INSTALL 11" X 10" PVC PIPE

ITEM 419.30 SAWING BITUMINOUS PAVEMENT					
POINT	STATION	OFFSET	NORTHING	EASTING	LENGTH (LF)
S20	219+87.79	100.92' RT.	210122.04	2848048.54	-
S21	219+37.11	25.13' RT.	210104.12	2847959.15	91.2
S22	219+10.53	22.29' RT.	210080.63	2847946.38	228.2
S23	219+03.91	21.21' LT.	210091.12	2847903.65	44.2
S24	218+91.19	53.90' LT.	210091.84	2847868.58	35.1
S25	219+14.68	146.55' LT.	210148.90	2847791.90	95.6
S26	220+27.51	164.20' LT.	210259.93	2847818.65	-
S27	221+21.33	119.02' LT.	210329.42	2847896.21	104.1
S28	221+21.45	38.47' LT.	210298.78	2847970.71	80.6
					28.6
S29	222+11.96	10.47' RT.	210363.76	2848050.49	44.3
S30	222+29.97	97.77' RT.	210347.10	2848138.06	89.1

Date: 7/9/2018



CB12 TO DIESEL CANOPY
INSTALL 227' X 6"
PVC CANOPY DRAINAGE
CB8 TO FUEL CANOPY
INSTALL 218' X 6"
PVC CANOPY DRAINAGE

P2
CBI TO CB3
INSTALL 260' X 15" RCP

P8
CB6 TO CB7
INSTALL 24' X 12" RCP
P9
CB7 TO CB8
INSTALL 69' X 12" RCP

P10
CB7 TO CB9
INSTALL 71' X 12" RCP
P11
CB10 TO CBI1
INSTALL 32' X 12" RCP

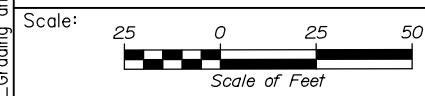
CBI
EXISTING CB
EXISTING RIM ELEV. 106.19
CORE HOLE IN EXISTING STRUCTURE
(INCIDENTAL TO 15" RCP)
15" INV. IN = 98.90
EXIST. 18" INV. IN = 96.29
EXIST. 18" INV. OUT = 96.29

CB7
STA. 219+83.30, 70.72' RT.
INSTALL CB TYPE BI
RIM ELEV. = 107.85
12" INV. IN = 103.60
12" INV. IN = 103.60
12" INV. OUT = 103.35
CB8
STA. 220+56.27, 69.48' RT.
INSTALL CB TYPE AI
RIM ELEV. = 108.43
6" INV. IN = 105.00
12" INV. OUT = 103.95

CB9
STA. 219+43.63, 6.90' RT.
INSTALL CB TYPE AI
RIM ELEV. = 108.60
12" INV. OUT = 104.10
MH10
STA. 219+11.12, 14.76' LT.
INSTALL MH
RIM ELEV. = 109.25
12" INV. IN = 102.25
EXIST. 12" INV. OUT = 102.00

CBI2
STA. 219+15.43, 20.92' RT.
INSTALL CB TYPE AI
RIM ELEV. = 108.65
12" INV. OUT = 103.50
CBI2
STA. 220+32.81, 61.13' LT
ADJUST MH TO GRADE
RIM ELEV. = 111.08
6" INV. IN = 103.00
EXIST. 18" INV. IN = 97.79
EXIST. 18" INV. OUT = 97.69

CBI3
STA. 220+86.09, 82.34' LT.
ADJUST CB TO GRADE
RIM ELEV. = 109.45



Designed by:



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Westbrook, ME 04092
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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
GRADING AND DRAINAGE PLAN
SOUTHBOUND PLAZA

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.			
By	Date	By	Date
Designed	PEM 7\18	Checked	JRH 7\18
Drawn	SLS 7\18	In Charge of	RAL 7\18

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

CONTRACT: 2018.18

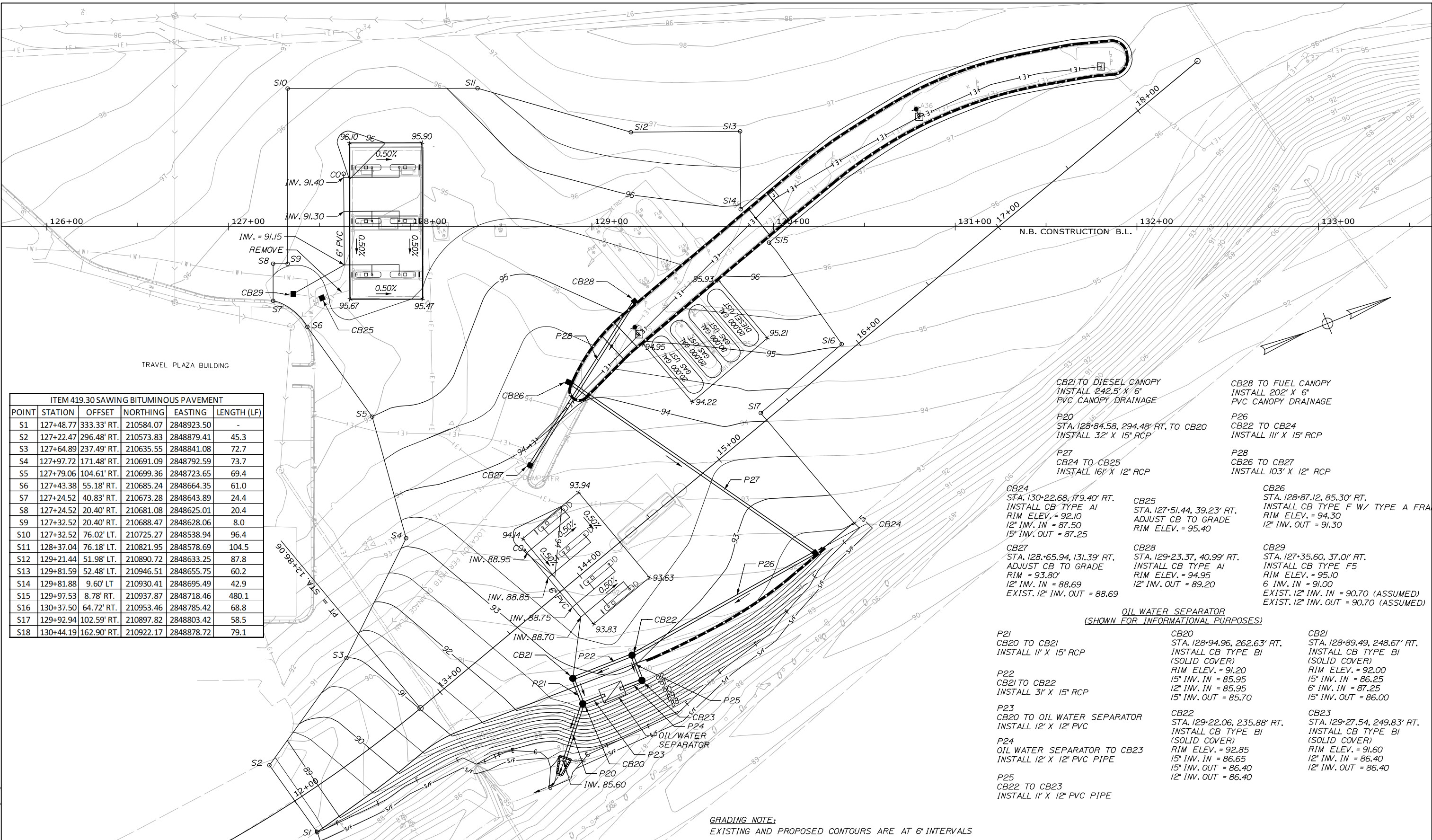
SHEET NUMBER: G-01

23 OF 43

Filename: 00X_SB_Grading and Drainage.dgn

Date: 7/9/2018

Filename: 00X_NB_Grading and Drainage.dgn



ITEM 419.30 SAWING BITUMINOUS PAVEMENT					
POINT	STATION	OFFSET	NORTHING	EASTING	LENGTH (LF)
S1	127+48.77	333.33' RT.	210584.07	2848923.50	-
S2	127+22.47	296.48' RT.	210573.83	2848879.41	45.3
S3	127+64.89	237.49' RT.	210635.55	2848841.08	72.7
S4	127+97.72	171.48' RT.	210691.09	2848792.59	73.7
S5	127+79.06	104.61' RT.	210699.36	2848723.65	69.4
S6	127+43.38	55.18' RT.	210685.24	2848664.35	61.0
S7	127+24.52	40.83' RT.	210673.28	2848643.89	24.4
S8	127+24.52	20.40' RT.	210681.08	2848625.01	20.4
S9	127+32.52	20.40' RT.	210688.47	2848628.06	8.0
S10	127+32.52	76.02' LT.	210725.27	2848538.94	96.4
S11	128+37.04	76.18' LT.	210821.95	2848578.69	104.5
S12	129+21.44	51.98' LT.	210890.72	2848633.25	87.8
S13	129+81.59	52.48' LT.	210946.51	2848655.75	60.2
S14	129+81.88	9.60' LT.	210930.41	2848695.49	42.9
S15	129+97.53	8.78' RT.	210937.87	2848718.46	480.1
S16	130+37.50	64.72' RT.	210953.46	2848785.42	68.8
S17	129+92.94	102.59' RT.	210897.82	2848803.42	58.5
S18	130+44.19	162.90' RT.	210922.17	2848878.72	79.1

- CB21 TO DIESEL CANOPY
INSTALL 242.5' X 6'
PVC CANOPY DRAINAGE
- P20
STA. 128+84.58, 294.48' RT. TO CB20
INSTALL 32' X 15" RCP
- P27
CB24 TO CB25
INSTALL 16' X 12" RCP
- CB24
STA. 130+22.68, 179.40' RT.
INSTALL CB TYPE A1
RIM ELEV. = 92.10
12' INV. IN = 87.50
15' INV. OUT = 87.25
- CB27
STA. 128+65.94, 131.39' RT.
ADJUST CB TO GRADE
RIM = 93.80'
12' INV. IN = 88.69
EXIST. 12' INV. OUT = 88.69
- P21
CB20 TO CB21
INSTALL 11' X 15" RCP
- P22
CB21 TO CB22
INSTALL 31' X 15" RCP
- P23
CB20 TO OIL WATER SEPARATOR
INSTALL 12' X 12" PVC
- P24
OIL WATER SEPARATOR TO CB23
INSTALL 12' X 12" PVC PIPE
- P25
CB22 TO CB23
INSTALL 11' X 12" PVC PIPE
- CB25
STA. 127+51.44, 39.23' RT.
ADJUST CB TO GRADE
RIM ELEV. = 95.40
- CB28
STA. 129+23.37, 40.99' RT.
INSTALL CB TYPE A1
RIM ELEV. = 94.95
12' INV. OUT = 89.20
- CB20
STA. 128+94.96, 262.63' RT.
INSTALL CB TYPE B1
(SOLID COVER)
RIM ELEV. = 91.20
15' INV. IN = 85.95
12' INV. IN = 85.95
15' INV. OUT = 85.70
- CB22
STA. 129+22.06, 235.88' RT.
INSTALL CB TYPE B1
(SOLID COVER)
RIM ELEV. = 92.85
15' INV. IN = 86.65
15' INV. OUT = 86.40
12' INV. OUT = 86.40
- CB26
STA. 128+87.12, 85.30' RT.
INSTALL CB TYPE F W/ TYPE A FRA
RIM ELEV. = 94.30
12' INV. OUT = 91.30
- CB28
STA. 129+23.37, 40.99' RT.
INSTALL CB TYPE F5
RIM ELEV. = 95.10
6' INV. IN = 91.00
EXIST. 12' INV. IN = 90.70 (ASSUMED)
EXIST. 12' INV. OUT = 90.70 (ASSUMED)
- CB21
STA. 128+89.49, 248.67' RT.
INSTALL CB TYPE B1
(SOLID COVER)
RIM ELEV. = 92.00
15' INV. IN = 86.25
6' INV. IN = 87.25
15' INV. OUT = 86.00
- CB23
STA. 129+27.54, 249.83' RT.
INSTALL CB TYPE B1
(SOLID COVER)
RIM ELEV. = 91.60
12' INV. IN = 86.40
12' INV. OUT = 86.40

OIL WATER SEPARATOR
(SHOWN FOR INFORMATIONAL PURPOSES)

GRADING NOTE:
EXISTING AND PROPOSED CONTOURS ARE AT 6' INTERVALS

Scale: 1" = 50'

No.	Revision	By	Date

Designed by:

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	PEM	7\18	Checked	JRH	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

HNTB CORPORATION
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**THE GOLD STAR
MEMORIAL HIGHWAY**

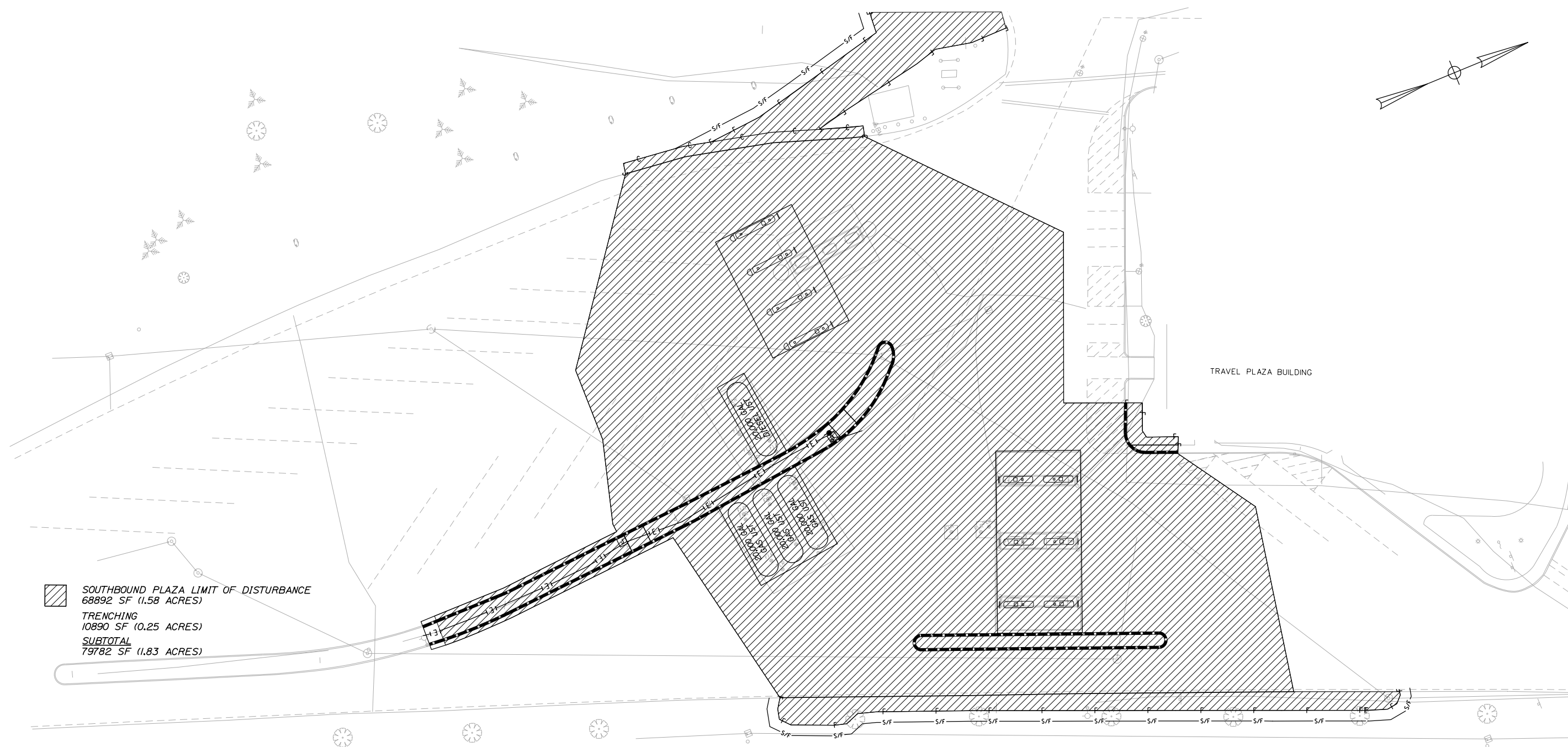
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.


**KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB**

**GRADING AND DRAINAGE PLAN
NORTHBOUND PLAZA**

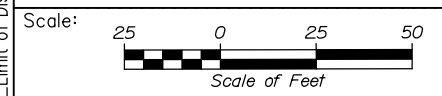
SHEET NUMBER: G-02
CONTRACT: 2018.18
24 OF 43

Date: 7/9/2018



 SOUTHBOUND PLAZA LIMIT OF DISTURBANCE
 68892 SF (1.58 ACRES)
 TRENCHING
 10890 SF (0.25 ACRES)
 SUBTOTAL
 79782 SF (1.83 ACRES)

Filename: 00X_SB_Limit of Disturbance.dgn



Designed by:



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**THE GOLD STAR
 MEMORIAL HIGHWAY**

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 LIMIT OF DISTURBANCE PLAN
 SOUTHBOUND PLAZA

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
	By	Date		By	Date
Designed	PEM	7\18	Checked	LZD	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

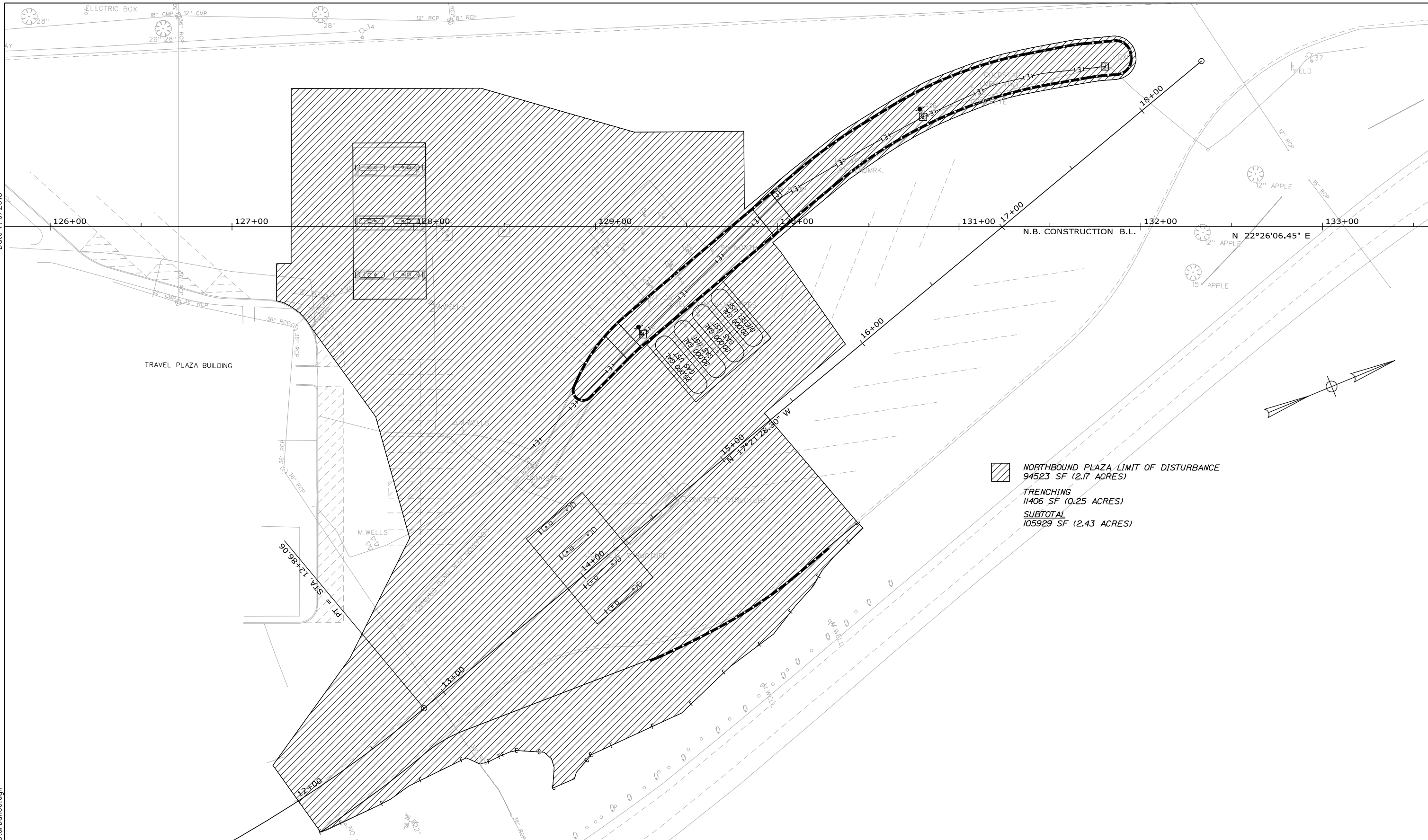
CONTRACT: 2018.18


SHEET NUMBER: LD-01

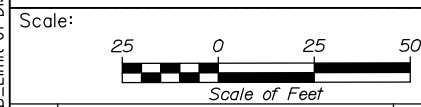
25 OF 43

Date: 7/9/2018

Filename: 00X_NB_Limit of Disturbance.dgn



 NORTHBOUND PLAZA LIMIT OF DISTURBANCE
 94523 SF (2.17 ACRES)
 TRENCHING
 11406 SF (0.25 ACRES)
 SUBTOTAL
 105929 SF (2.43 ACRES)



No.	Revision	By	Date


Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	PEM	7\18	Checked	LZD	7\18
Drawn	SLS	7\18	In Charge of	RAL	7\18

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**THE GOLD STAR
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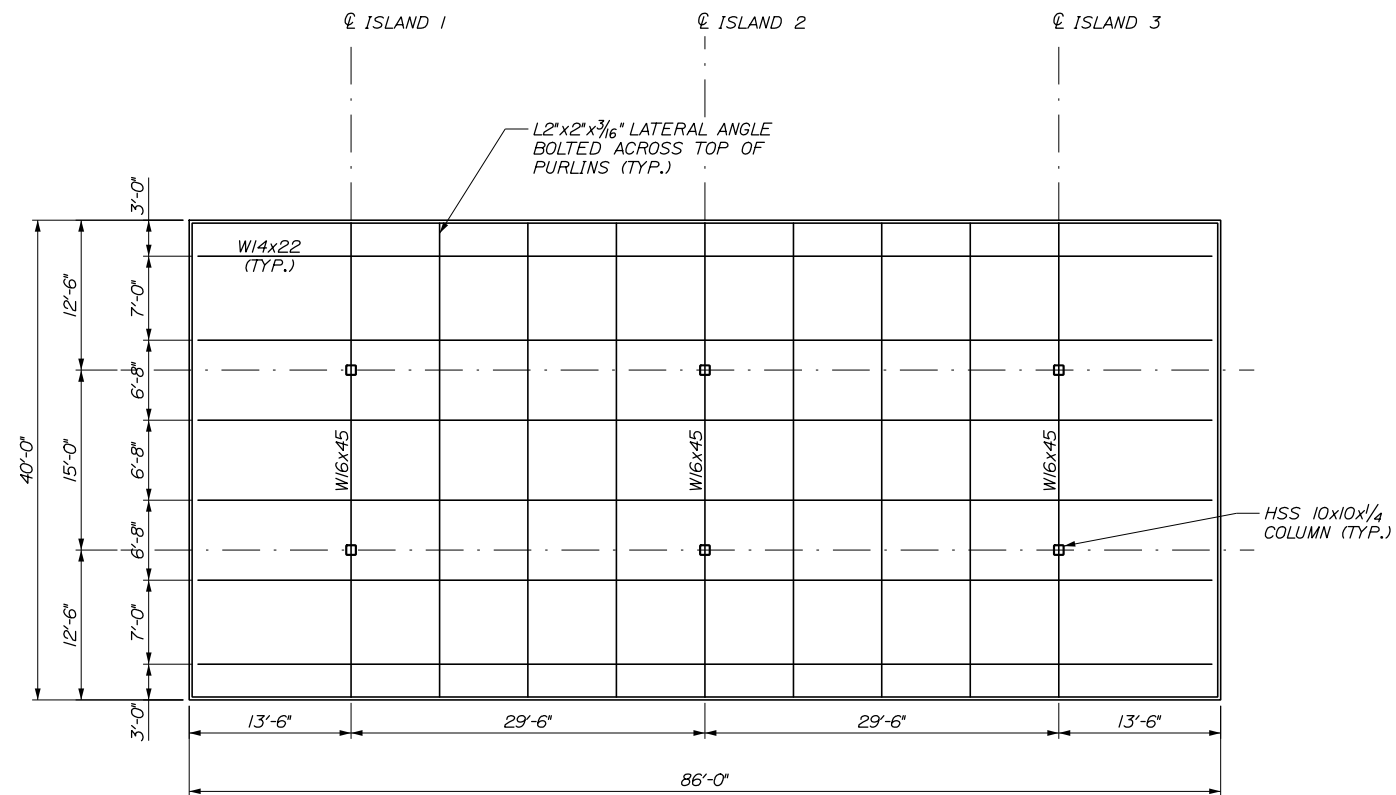
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 LIMIT OF DISTURBANCE PLAN
 NORTHBOUND PLAZA

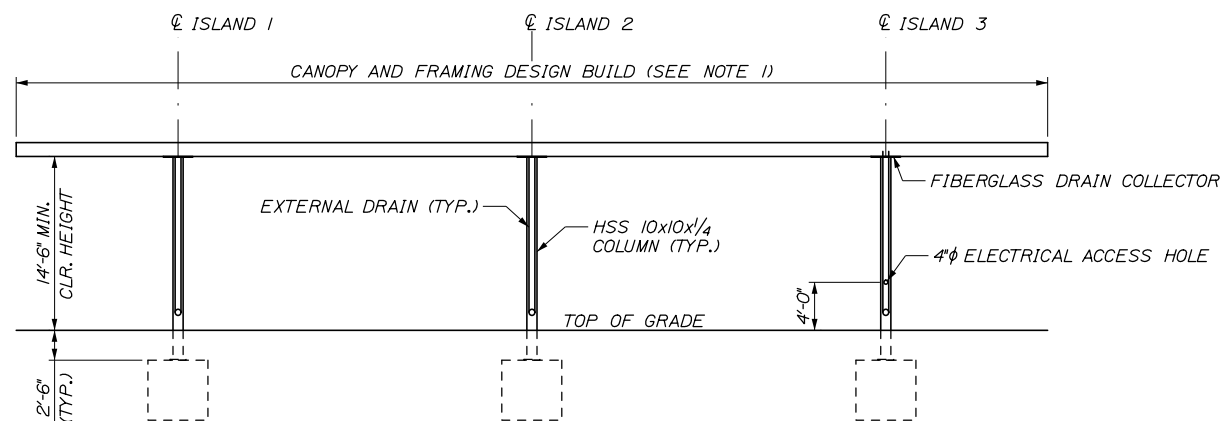
SHEET NUMBER: LD-02

CONTRACT: 2018.18

26 OF 43



PLAN
1/8" = 1'-0"



ELEVATION
1/8" = 1'-0"

NOTES:

1. ALL ELEMENT SIZES AND LAYOUT ARE FOR INFORMATION ONLY. CANOPY SHALL BE DESIGNED BY THE CONTRACTOR IN ACCORDANCE WITH SP800.
2. CANOPY LAYOUT AND DETAILS SHALL BE CONSISTENT WITH DETAILS OF THE DISPENSER SLABS SHOWN ON SHEETS S-02 AND S-03.
3. ALL STRUCTURAL STEEL SHALL BE AS FOLLOWS:
 - W SHAPES: ASTM A992
 - HOLLOW STRUCTURAL SHAPES: ASTM A500 GRADE B
 - PLATES: ASTM A572 GRADE 50
 - FASTENERS: F3125
4. ALL WELDING SHALL BE PERFORMED IN ACCORDANCE WITH AWS D1.1.
5. GAS DISPENSER CANOPY SHOWN, DIESEL DISPENSER CANOPY SIMILAR.
6. C.N. BROWN WILL PROVIDE CANOPY DECALS FOR FACTORY TO INSTALL. CONTRACTOR TO COORDINATE WITH RESIDENT AND CN BROWN ACCORDINGLY.

Date: 7/9/2018

Filename: 00X_Canopy_Plan and Elevation.dgn

Scale:			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.			
	By	Date	
	JDW	7\18	
	Checked	TRC	7\18
	By	Date	
	PEB	7\18	
	In Charge of	RAL	7\18

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THE GOLD STAR
MEMORIAL HIGHWAY

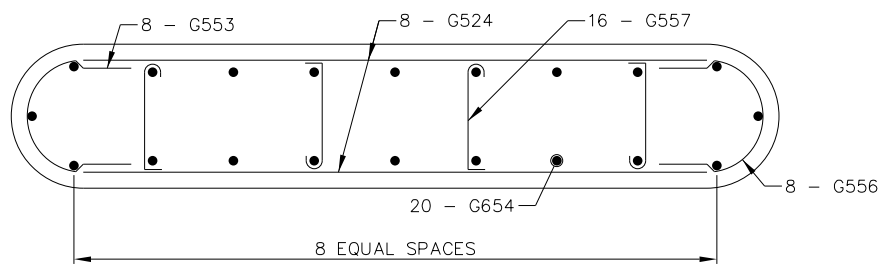
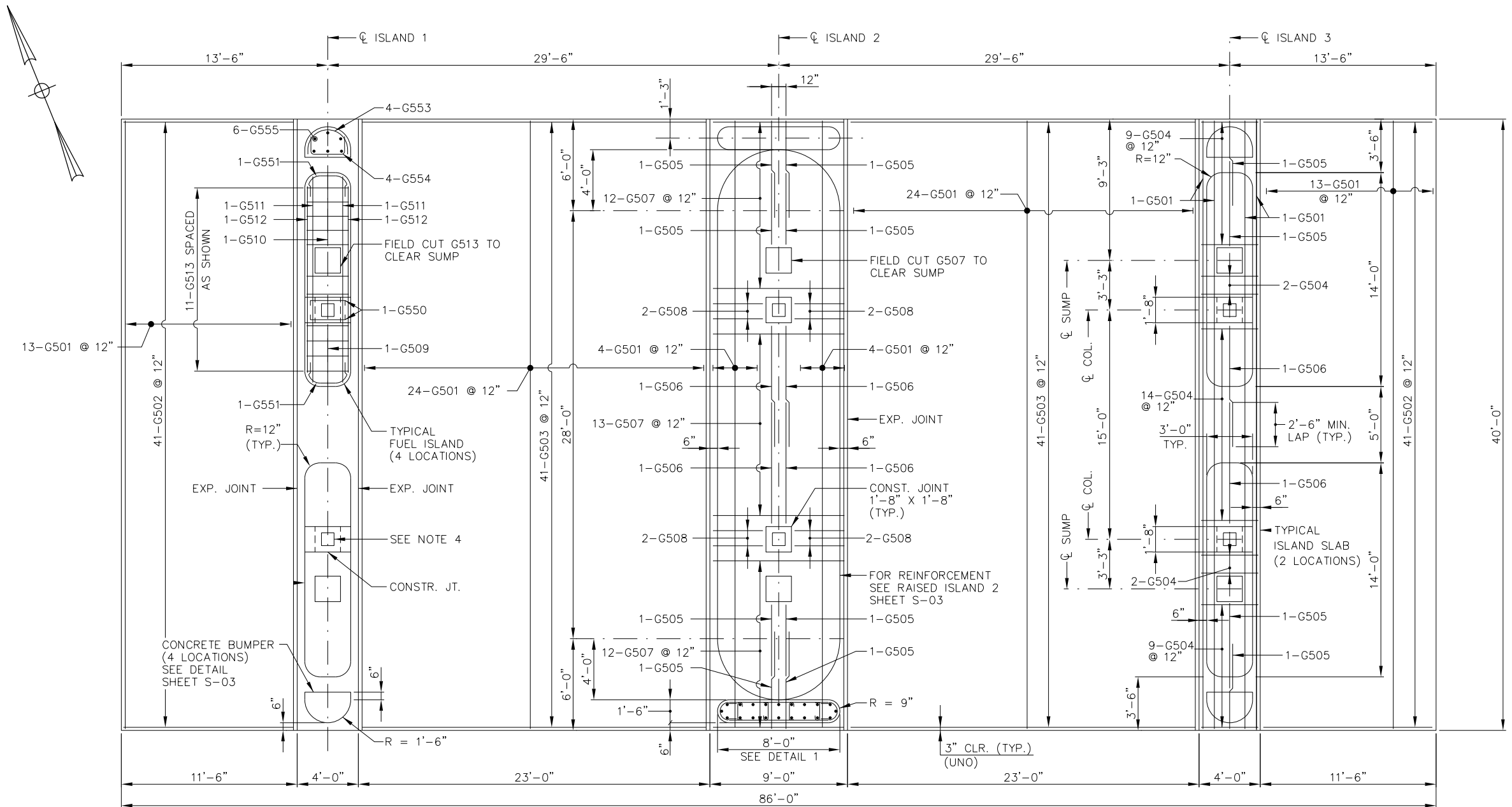
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB

CANOPY
 PLAN AND ELEVATION

SHEET NUMBER: S-01
 CONTRACT: 2018.18
 27 OF 43

Date: 7/9/2018



DETAIL 1
1/4" = 1'-0"

PLAN
GASOLINE PLAZA
1/4" = 1'-0"

NOTES

1. ALL CONCRETE SHALL BE CLASS AAA.
2. CONCRETE SLABS AT THE DISPENSING ISLANDS TO HAVE A BRUSH FINISH.
3. ALL REINFORCING STEEL TO BE EPOXY COATED.
4. FOR CANOPY COLUMN DETAILS SEE SHEET S-03.
5. ALL EXPOSED CONCRETE TO BE TREATED WITH CLEAR PROTECTIVE COATING.
6. SB SHOWN UNLESS NOTED OTHERWISE, NB SIMILAR.
7. MIN. CLEAR COVER SHALL BE 3" U.N.O.
8. FOR SECTION VIEW OF PLAZA SEE SHEET S-09.

Filename: 00X_Gas-SlabPlan.dgn

No.	Revision	By	Date

Scale: _____

Designed by:

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	JDW	7\18	Checked	TRC	7\18
Drawn	PEB	7\18	In Charge of	RAL	7\18

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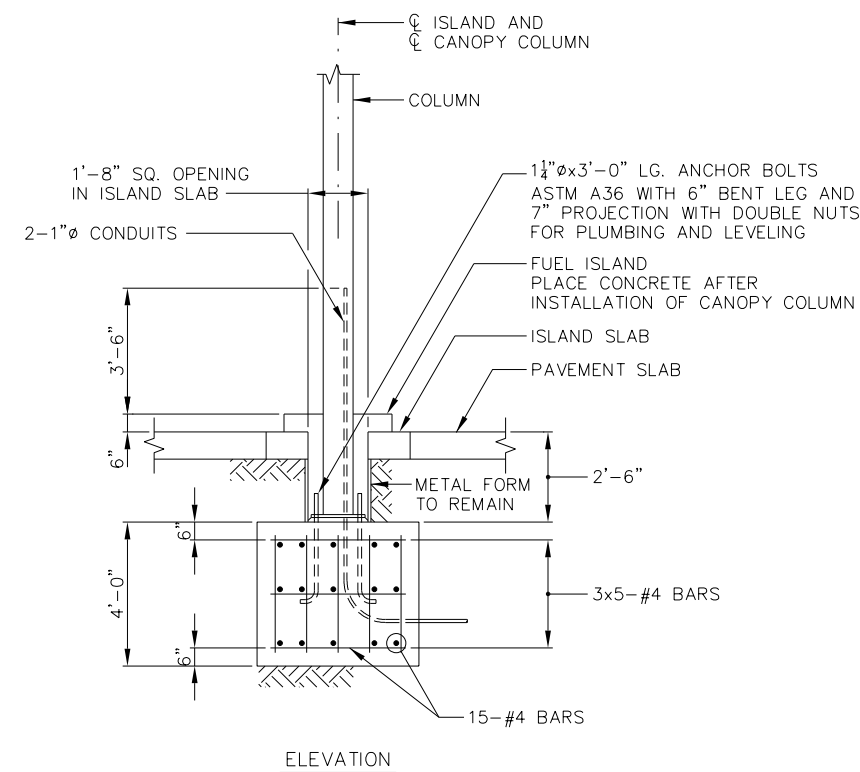
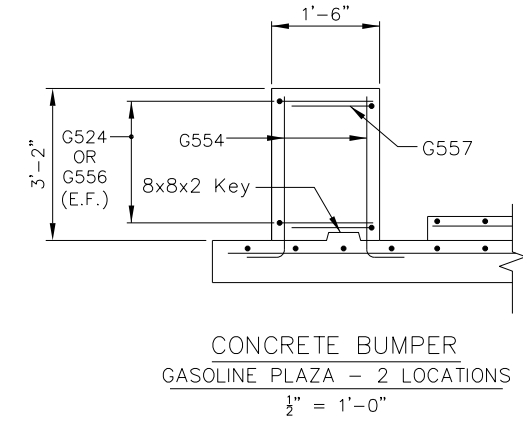
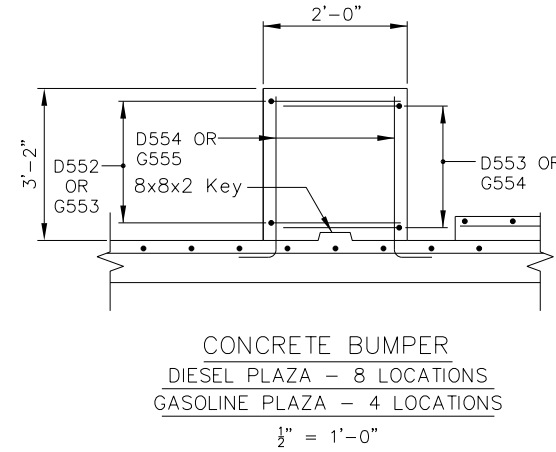
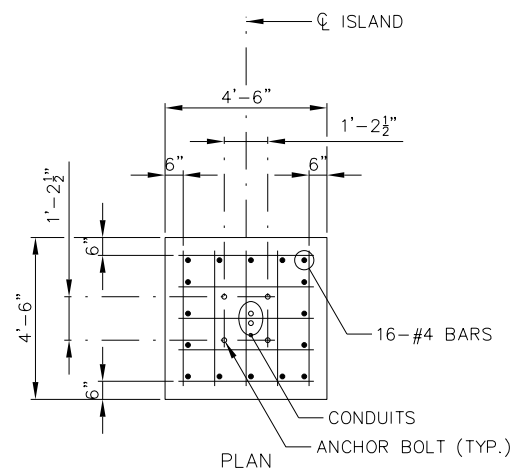
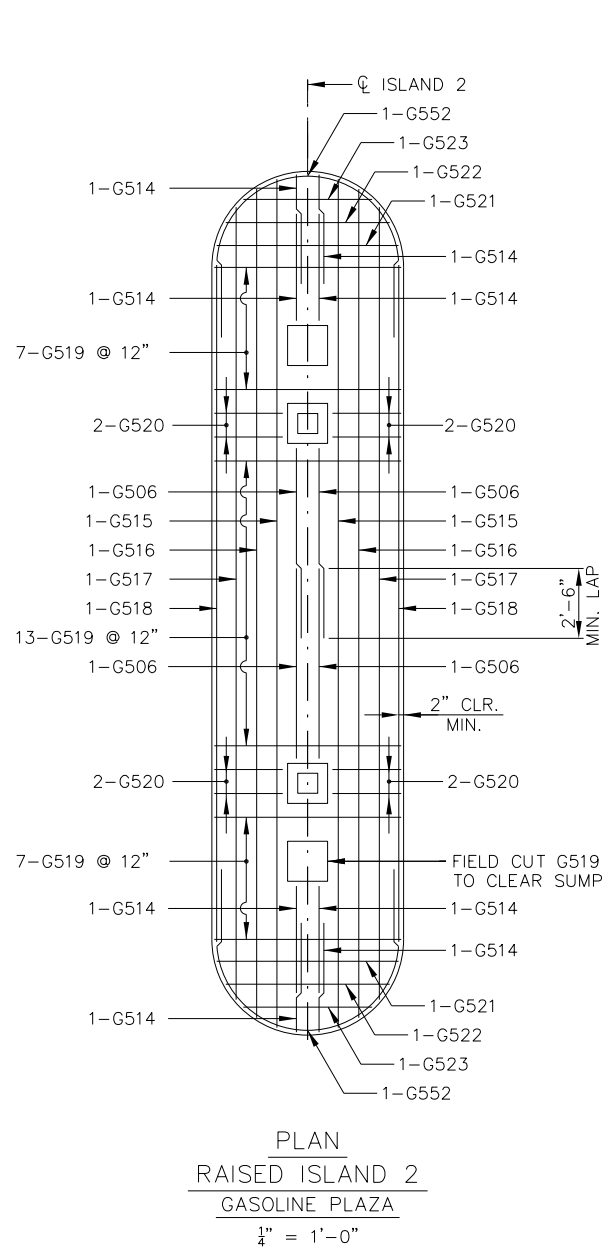
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
PLAN - CONCRETE SLAB AND
ISLANDS AT GASOLINE DISPENSERS

SHEET NUMBER: S-02
CONTRACT: 2018.18
28 OF 43

Date: 7/9/2018



CANOPY COLUMN FOUNDATION
 DIESEL PLAZA - 8 LOCATIONS
 GASOLINE PLAZA - 6 LOCATIONS
 3'-0" ISLAND SHOWN 8'-0" ISLAND SIMILAR
 3/8" = 1'-0"

- NOTES:**
- FOR NOTES SEE SHEET S-02.
 - CANOPY COLUMN FOUNDATION IS SHOWN FOR INFORMATIONAL PURPOSES ONLY AND SHALL BE DESIGNED BY THE CANOPY SUPPLIER.

Scale:

No.	Revision	By	Date

Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date		By	Date
Designed	JDW	7\18	Checked	TRC	7\18
Drawn	PEB	7\18	In Charge of	RAL	7\18

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THE GOLD STAR
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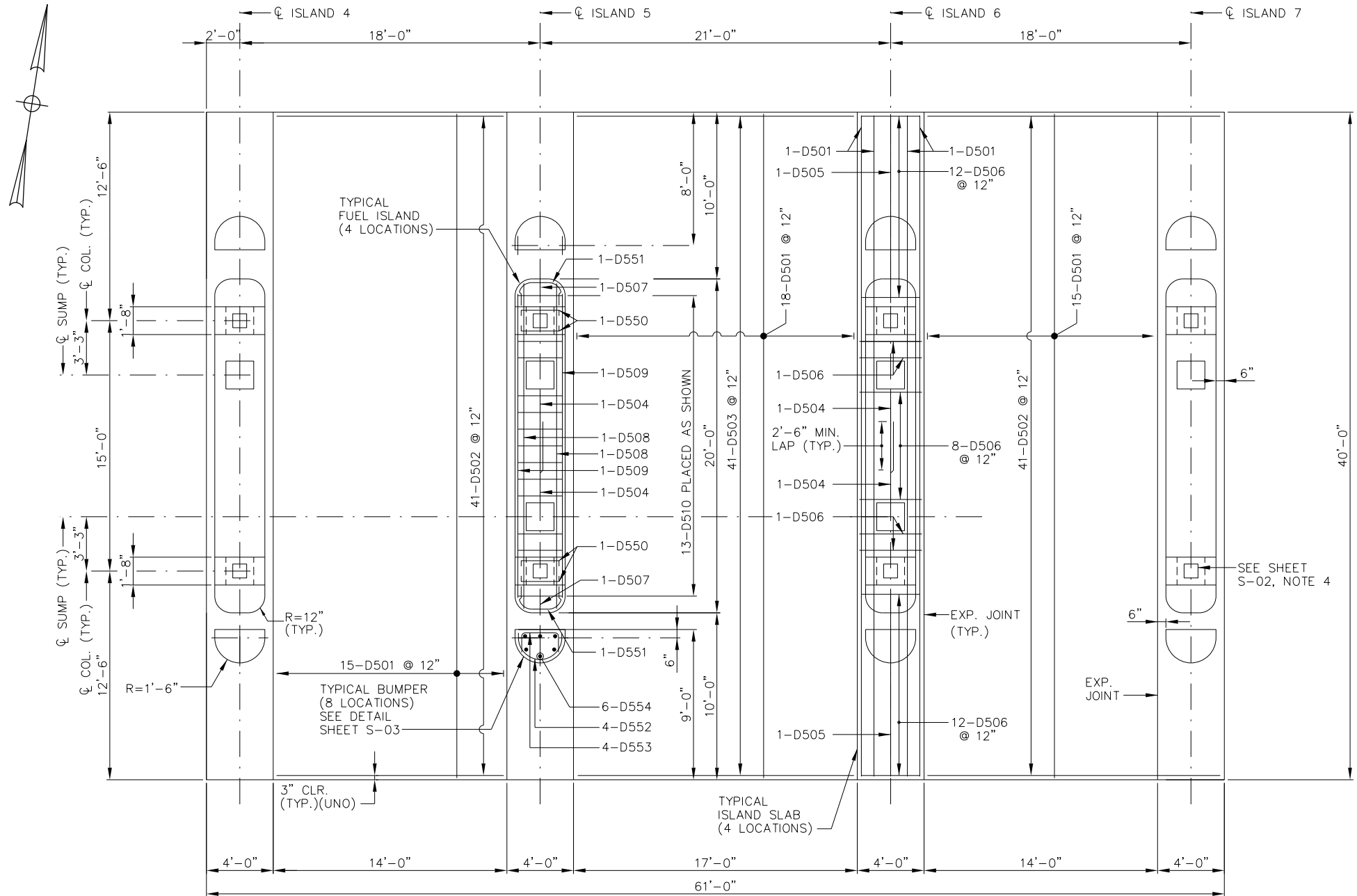
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 PLAN - CONCRETE ISLAND 2
 CANOPY COLUMN AND BUMPER DETAILS

SHEET NUMBER: S-03
 CONTRACT: 2018.18
 29 OF 43

Filename: 00X_Gas-Island.dgn

Date: 7/9/2018



NOTE
FOR NOTES SEE SHEET S-02.

Filename: 00X_Diesel-Dispensers.dgn

Scale:			
No.	Revision	By	Date

Designed by:					
HNTB					
CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
	By	Date		By	Date
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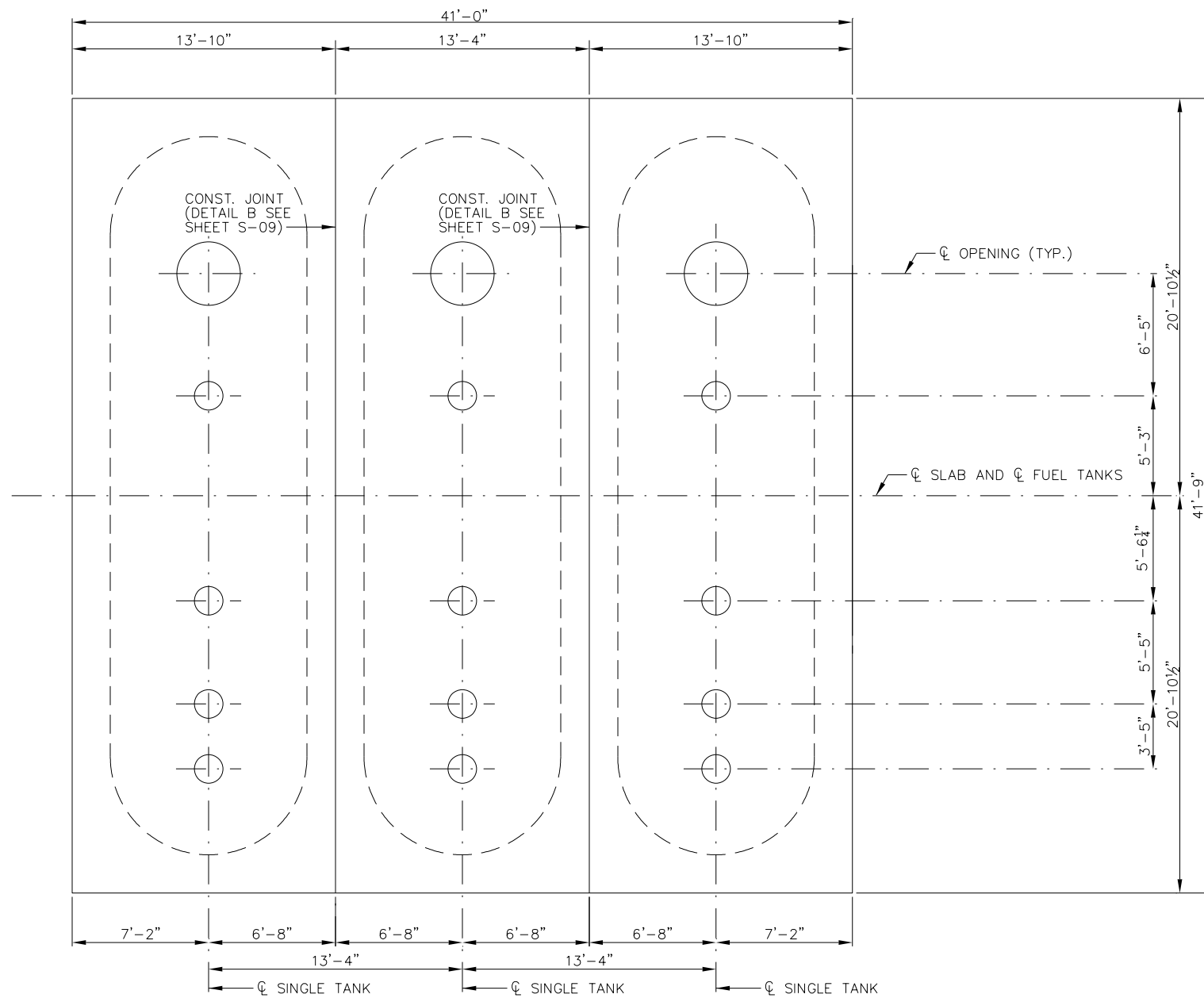
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**THE GOLD STAR
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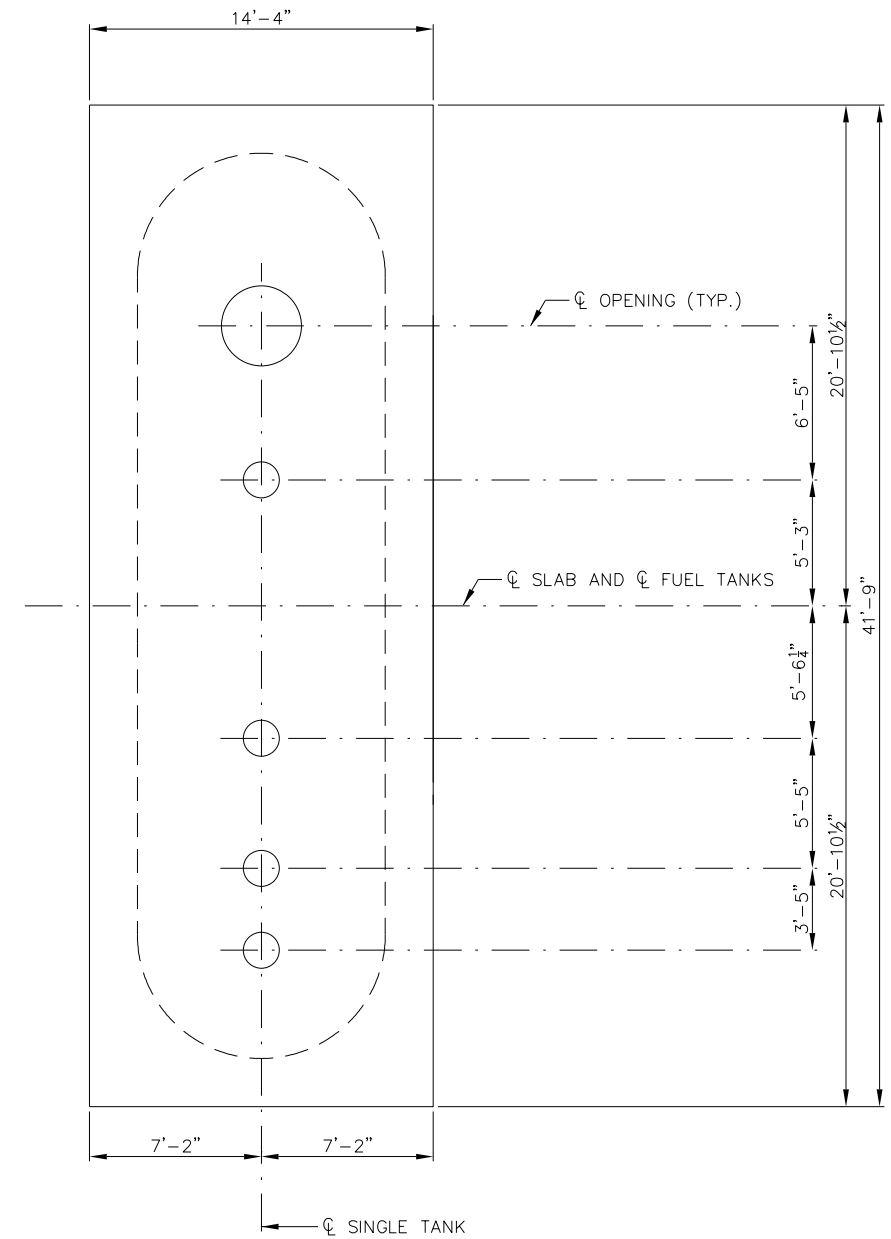
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
PLAN - CONCRETE SLAB AND
ISLANDS AT DIESEL DISPENSERS
SHEET NUMBER: S-04
CONTRACT: 2018.18
30 OF 43

Date: 7/9/2018



PLAN
SB GASOLINE TANK SLAB
1/4" = 1'-0"



PLAN
SB DIESEL TANK SLAB
1/4" = 1'-0"

- NOTES
1. FOR NOTES SEE SHEET S-02.
 2. FOR REINFORCING SEE SHEET S-06.

Filename: 00X_Fuel-SlabPlan_SB.dgn

Scale:			
No.	Revision	By	Date

Designed by:					
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CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
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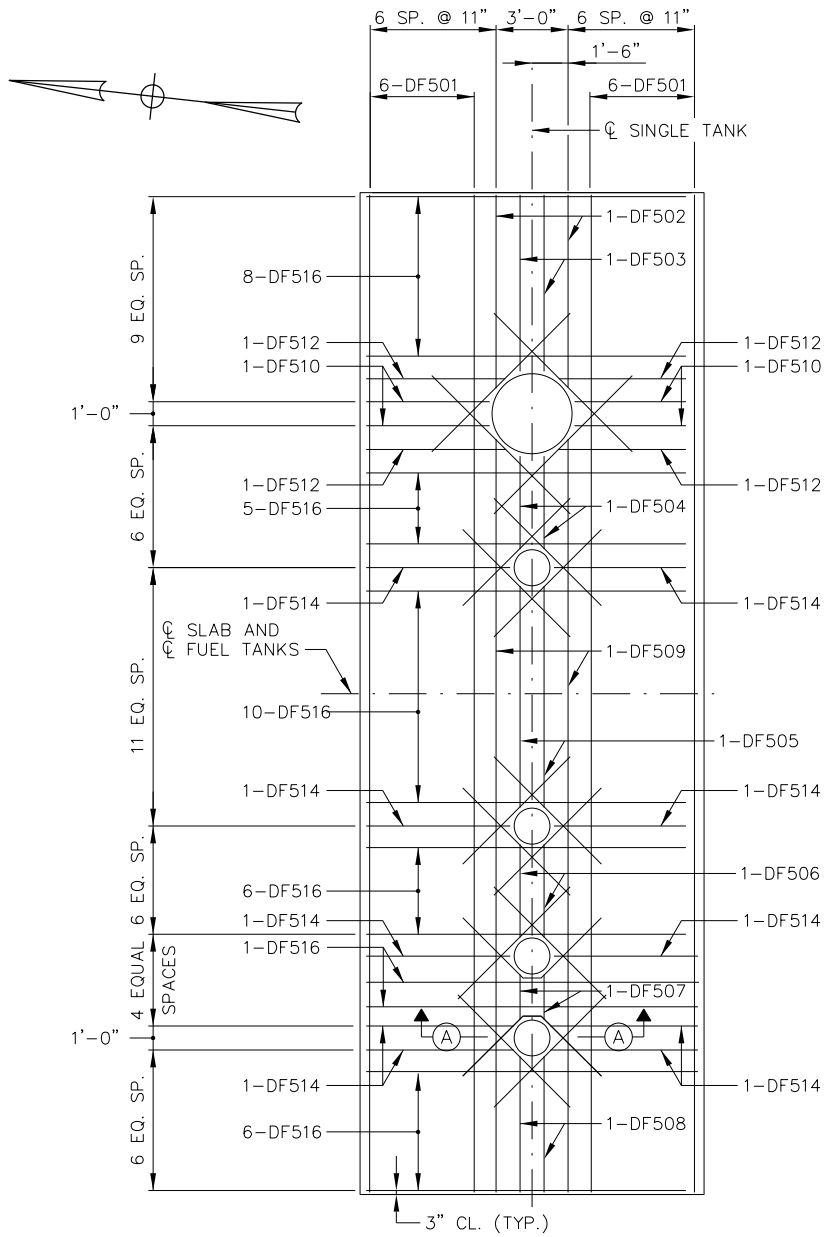
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
PLAN - CONCRETE SLABS
AT FUEL STORAGE TANKS

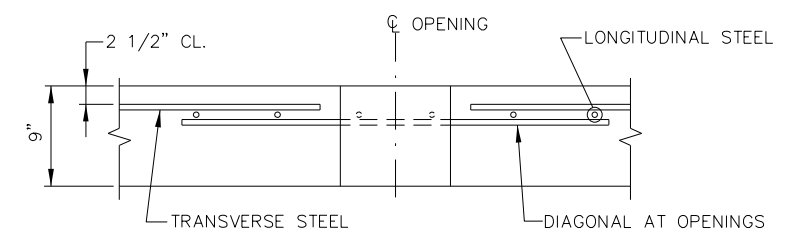
SHEET NUMBER: S-05
CONTRACT: 2018.18
31 OF 43

Date: 7/9/2018

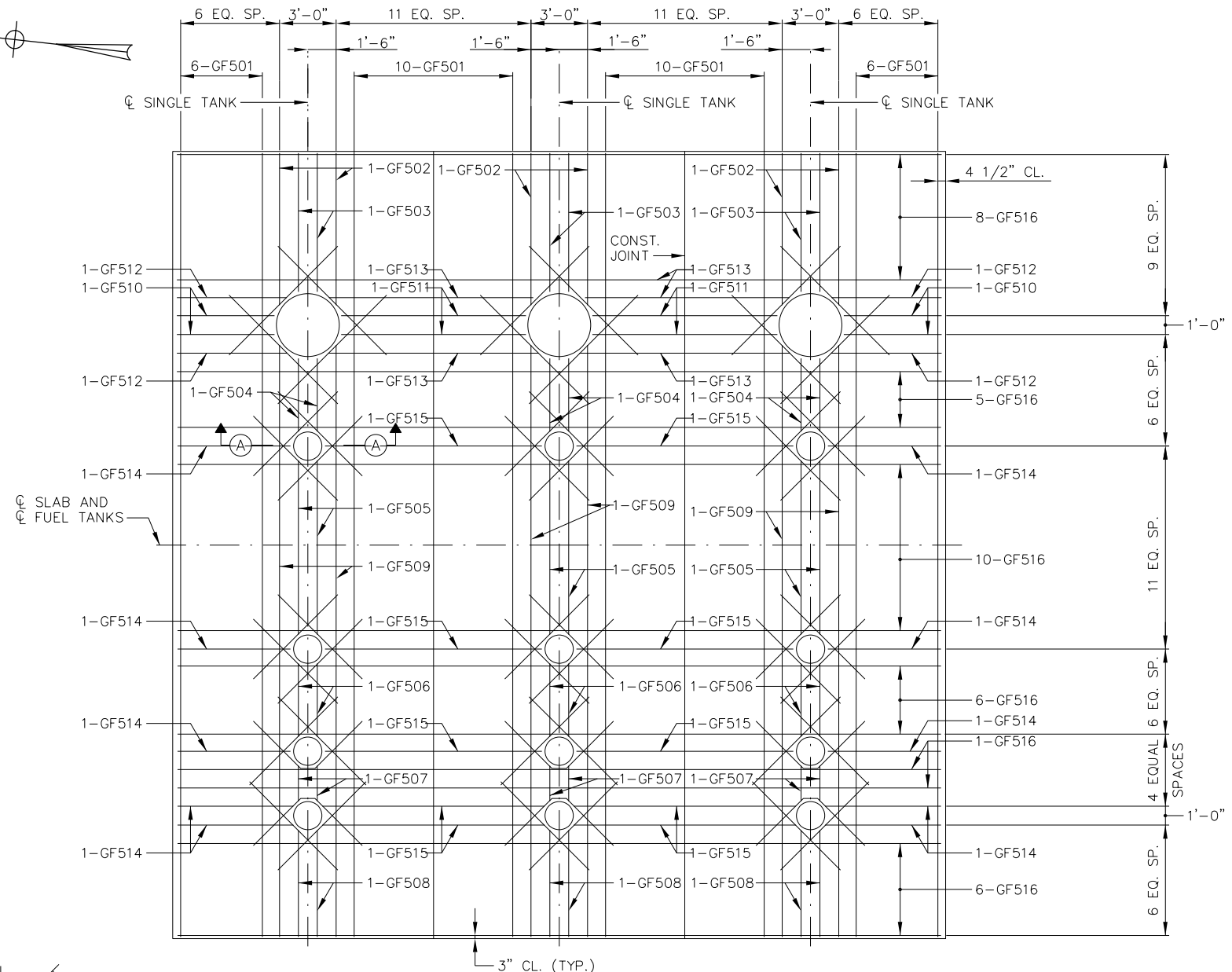
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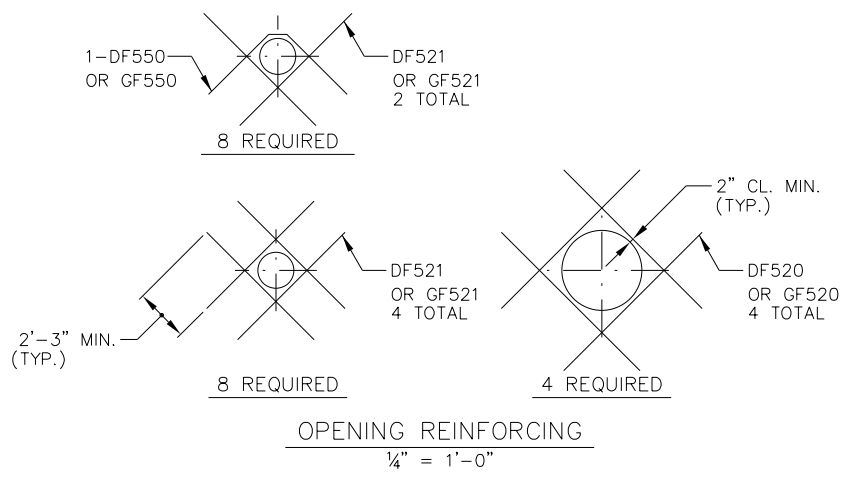
PLAN
SB DIESEL TANK SLAB
1/4" = 1'-0"



SECTION A-A
TYPICAL SLAB OPENING
NO SCALE



PLAN
SB GASOLINE TANK SLAB
1/4" = 1'-0"



OPENING REINFORCING
1/4" = 1'-0"

- NOTES
- FOR NOTES SEE SHEET S-02.
 - FOR SLAB AND OPENING LAYOUT SEE SHEET S-05.

No.	Revision	By	Date

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MAINE TURNPIKE

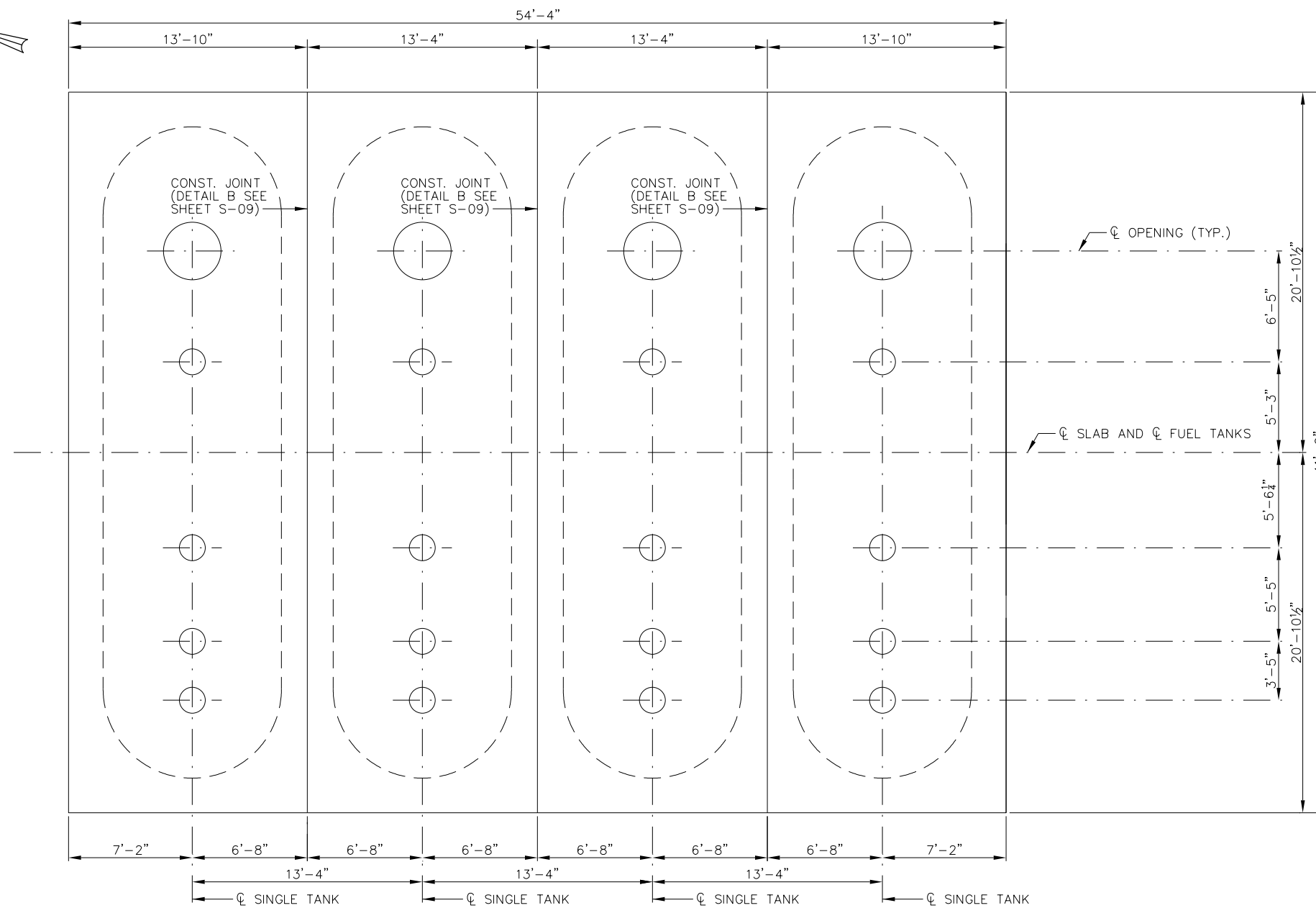
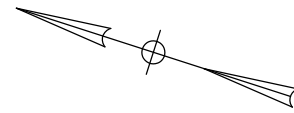
THE GOLD STAR MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
REINFORCING DETAILS - CONCRETE
SLABS AT FUEL STORAGE TANKS

SHEET NUMBER: S-06
CONTRACT: 2018.18
32 OF 43

Date: 7/9/2018



PLAN
NB FUEL TANK SLAB
1/4" = 1'-0"

NOTES

1. FOR NOTES SEE SHEET S-02.
2. FOR REINFORCING SEE SHEET S-08.

Filename: 00X_Fuel-SlabPlan_NB.dgn

No.	Revision	By	Date

Designed by:					
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CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
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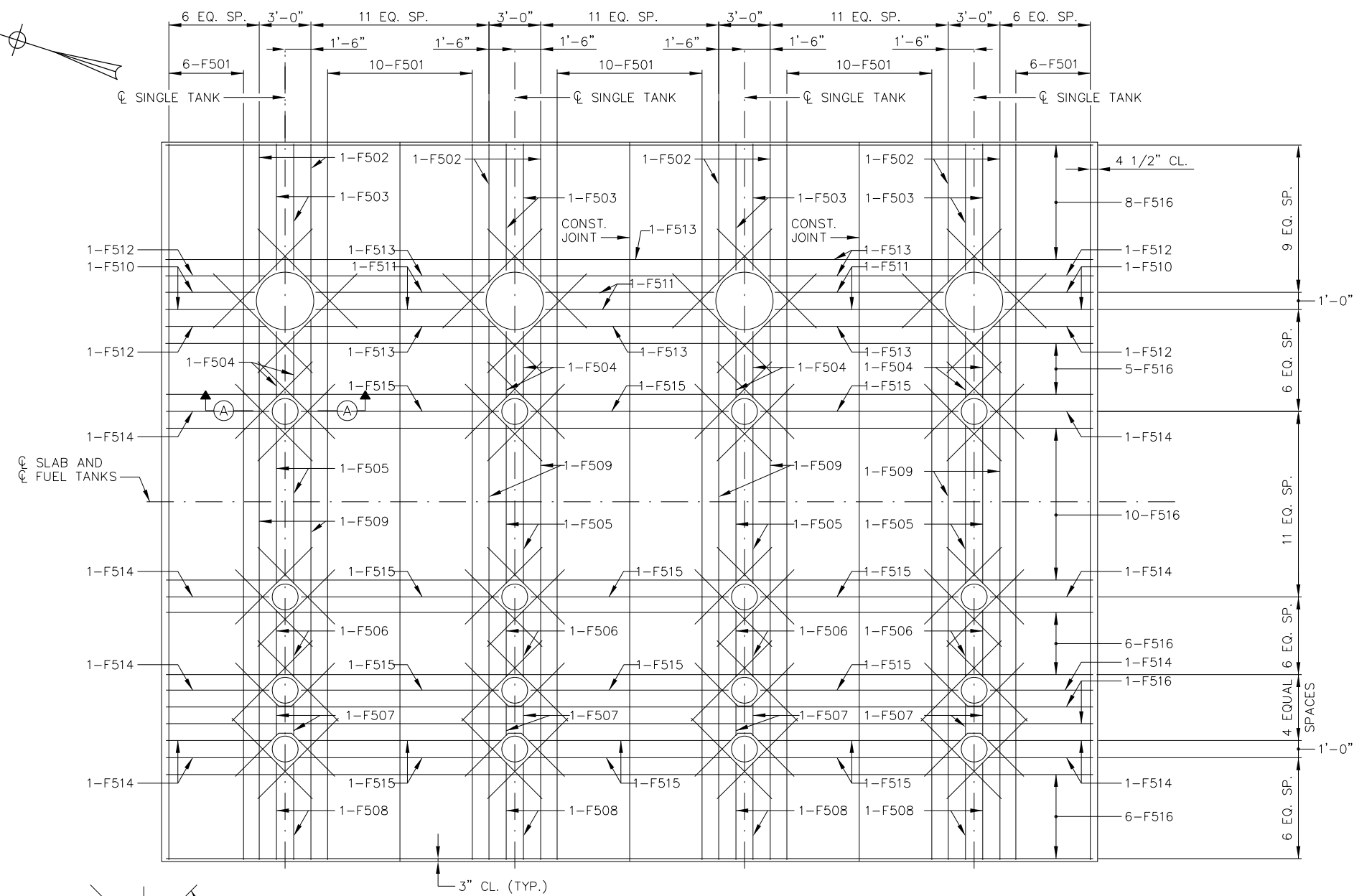
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

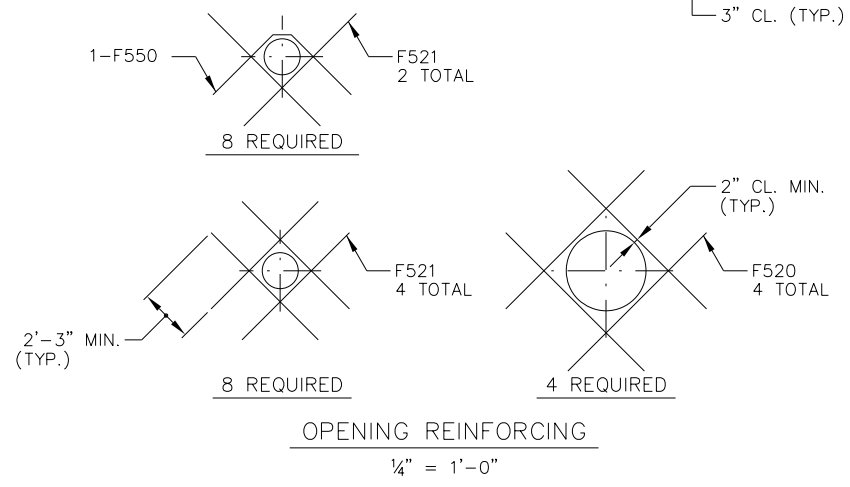
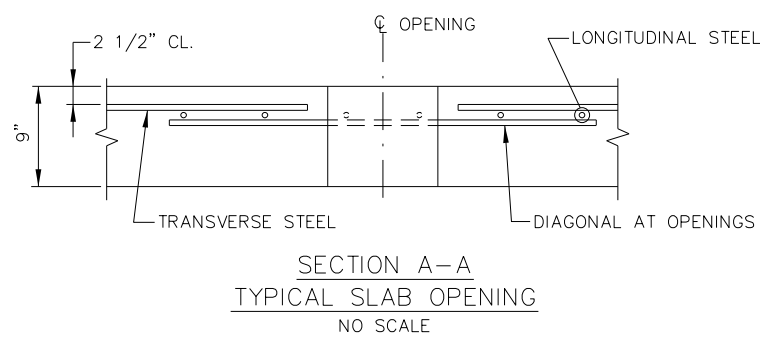
KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
PLAN - CONCRETE SLAB
AT FUEL STORAGE TANKS

SHEET NUMBER: S-07
CONTRACT: 2018.18
33 OF 43

Date: 7/9/2018



PLAN
NB FUEL TANK SLAB
1/4" = 1'-0"



- NOTES
1. FOR NOTES SEE SHEET S-02.
 2. FOR SLAB AND OPENING LAYOUT SEE SHEET S-07.

Filename: 00X_Fuel-SlabReSteel.NB.dgn

Scale:			
No.	Revision	By	Date


Designed by:

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CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

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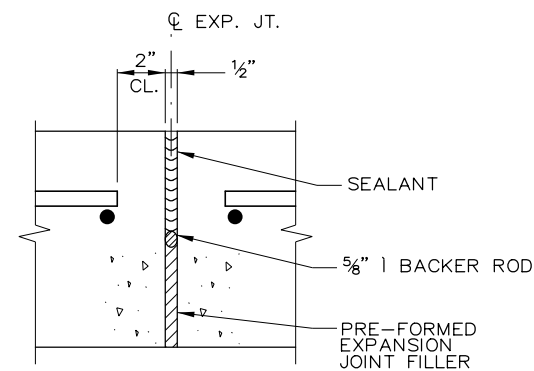
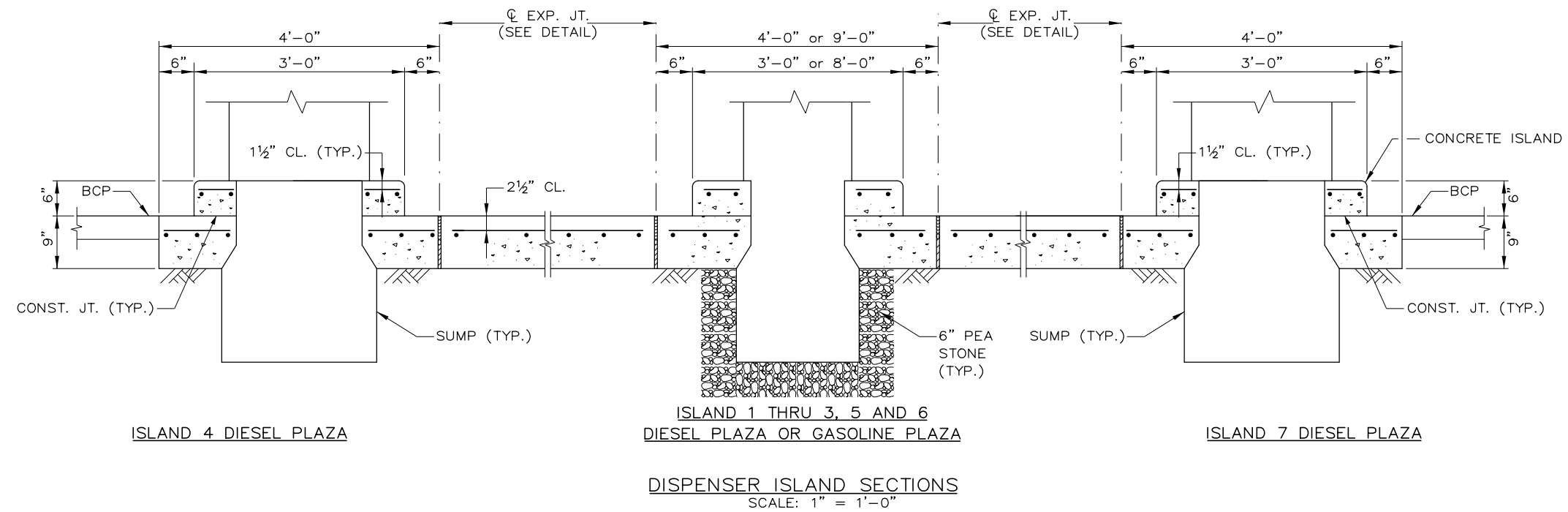
**THE GOLD STAR
MEMORIAL HIGHWAY**

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

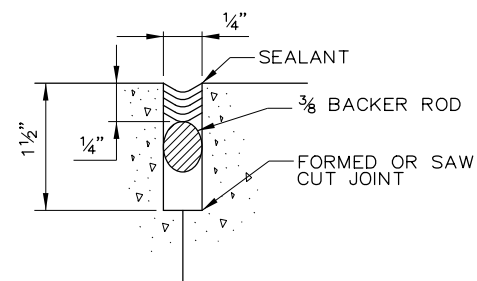
KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
REINFORCING DETAILS - CONCRETE
SLAB AT FUEL STORAGE TANKS

SHEET NUMBER: S-08
CONTRACT: 2018.18
34 OF 43

Date: 7/9/2018



EXPANSION JOINT DETAIL
SCALE: 3" = 1'-0"



NOTE:
SEALANT SHALL BE PER MDOT SECTION 502 EXCEPT IT SHALL BE FUEL RESISTANT TWO PART POLYURETHANE OR POLYSULFIDE.

DETAIL B
SCALE: N.T.S.

Filename: 00X_FuelPlazaDis.dgn

Scale:			
No.	Revision	By	Date

Designed by:					
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CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
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THE GOLD STAR
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MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB

SLAB DETAILS

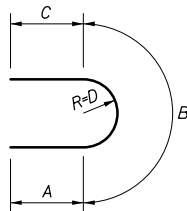
SHEET NUMBER: S-09
CONTRACT: 2018.18
35 OF 43

Date: 7/9/2018

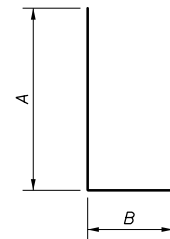
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SB GASOLINE DISPENSER SLAB								
G501	5	90	39'-6"	Str				
G502	5	82	11'-0"	Str				
G503	5	82	22'-6"	Str				
G504	5	72	3'-6"	Str				
G505	5	12	5'-3"	Str				
G506	5	10	7'-9"	Str				
G507	5	37	8'-6"	Str				
G508	5	8	3'-2"	Str				
G509	5	4	3'-8"	Str				
G510	5	4	4'-5"	Str				
G511	5	8	13'-4"	Str				
G512	5	8	12'-0"	Str				
G513	5	44	2'-6"	Str				
G514	5	8	4'-4"	Str				
G515	5	2	35'-0"	Str				
G516	5	2	34'-3"	Str				
G517	5	2	32'-10"	Str				
G518	5	2	28'-0"	Str				
G519	5	27	7'-6"	Str				
G520	5	8	2'-8"	Str				
G521	5	2	7'-3"	Str				
G522	5	2	6'-5"	Str				
G523	5	2	4'-9"	Str				
G550	5	8	4'-6"	129	2'-6"	1'-0"	1'-0"	
G551	5	8	5'-4"	138	1'-0"	1'-2"	1'-0"	0'-9"
G552	5	2	16'-9"	117	2'-6"	11'-9"	2'-6"	3'-9"
G553	5	16	4'-5"	117	0'-3"	3'-11"	0'-3"	1'-3"
G554	5	16	3'-10"	129	2'-6"	0'-8"	0'-8"	
G555	5	64	4'-1"	118	3'-3"	0'-10"		
G556	5	16	6'-6 3/4"	117	2'-6"	1'-6 3/4"	2'-6"	0'-6"
G556	5	32	2'-3 1/2"	117	0'-10"	1'-0"	0'-5 1/2"	0'-3 3/4"
NB GASOLINE DISPENSER SLAB								
G501	5	90	39'-6"	Str				
G502	5	82	11'-0"	Str				
G503	5	82	22'-6"	Str				
G504	5	72	3'-6"	Str				
G505	5	12	5'-3"	Str				
G506	5	10	7'-9"	Str				
G507	5	37	8'-6"	Str				
G508	5	8	3'-2"	Str				
G509	5	4	3'-8"	Str				
G510	5	4	4'-5"	Str				
G511	5	8	13'-4"	Str				
G512	5	8	12'-0"	Str				
G513	5	44	2'-6"	Str				
G514	5	8	4'-4"	Str				
G515	5	2	35'-0"	Str				
G516	5	2	34'-3"	Str				
G517	5	2	32'-10"	Str				
G518	5	2	28'-0"	Str				
G519	5	27	7'-6"	Str				
G520	5	8	2'-8"	Str				
G521	5	2	7'-3"	Str				
G522	5	2	6'-5"	Str				
G523	5	2	4'-9"	Str				
G550	5	8	4'-6"	129	2'-6"	1'-0"	1'-0"	
G551	5	8	5'-4"	138	1'-0"	1'-2"	1'-0"	0'-9"
G552	5	2	16'-9"	117	2'-6"	11'-9"	2'-6"	3'-9"
G553	5	16	4'-5"	117	0'-3"	3'-11"	0'-3"	1'-3"
G554	5	16	3'-10"	129	2'-6"	0'-8"	0'-8"	
G555	5	64	4'-1"	118	3'-3"	0'-10"		
G556	5	16	6'-6 3/4"	117	2'-6"	1'-6 3/4"	2'-6"	0'-6"
G556	5	32	2'-3 1/2"	117	0'-10"	1'-0"	0'-5 1/2"	0'-3 3/4"

MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D
SB DIESEL DISPENSER SLAB								
D501	5	64	39'-6"	Str				
D502	5	82	13'-6"	Str				
D503	5	41	16'-6"	Str				
D504	5	16	5'-3"	Str				
D505	5	8	11'-2"	Str				
D506	5	144	3'-6"	Str				
D507	5	8	1'-2"	Str				
D508	5	8	19'-0"	Str				
D509	5	8	18'-0"	Str				
D510	8	52	2'-6"	Str				
D550	5	16	4'-6"	129	2'-6"	1'-0"	1'-0"	
D551	5	8	5'-4"	138	1'-0"	1'-2"	1'-0"	0'-9"
D552	5	32	4'-5"	117	0'-3"	3'-11"	0'-3"	1'-3"
D553	5	32	3'-10"	129	2'-6"	0'-8"	0'-8"	
D554	5	48	4'-1"	118	3'-3"	0'-10"		
NB DIESEL DISPENSER SLAB								
D501	5	64	39'-6"	Str				
D502	5	82	13'-6"	Str				
D503	5	41	16'-6"	Str				
D504	5	16	5'-3"	Str				
D505	5	8	11'-2"	Str				
D506	5	144	3'-6"	Str				
D507	5	8	1'-2"	Str				
D508	5	8	19'-0"	Str				
D509	5	8	18'-0"	Str				
D510	8	52	2'-6"	Str				
D550	5	16	4'-6"	129	2'-6"	1'-0"	1'-0"	
D551	5	8	5'-4"	138	1'-0"	1'-2"	1'-0"	0'-9"
D552	5	32	4'-5"	117	0'-3"	3'-11"	0'-3"	1'-3"
D553	5	32	3'-10"	129	2'-6"	0'-8"	0'-8"	
D554	5	48	4'-1"	118	3'-3"	0'-10"		

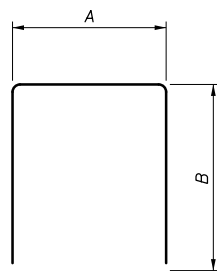
MARK	SIZE	NO.	LENGTH	TYPE	A	B	C	D
SB GASOLINE TANK SLAB								
GF501	5	32	41'-3"	Str				
GF502	5	6	7'-2"	Str				
GF503	5	6	7'-10"	Str				
GF504	5	6	3'-8"	Str				
GF505	5	6	8'-8"	Str				
GF506	5	6	3'-5"	Str				
GF507	5	6	1'-5"	Str				
GF508	5	6	5'-3"	Str				
GF509	5	6	31'-3"	Str				
GF510	5	4	5'-2"	Str				
GF511	5	4	9'-9"	Str				
GF512	5	4	5'-8"	Str				
GF513	5	4	11'-0"	Str				
GF514	5	10	5'-9"	Str				
GF515	5	10	11'-3"	Str				
GF516	5	37	40'-6"	Str				
GF520	5	12	8'-2"	Str				
GF521	5	36	6'-4"	Str				
GF550	5	6	7'-11 1/2"	Str	0'-9 1/2"	3'-7"	2'-6"	3'-7"
SB DIESEL TANK SLAB								
DF501	5	12	41'-3"	Str				
DF502	5	2	7'-2"	Str				
DF503	5	2	7'-10"	Str				
DF504	5	2	3'-8"	Str				
DF505	5	2	8'-8"	Str				
DF506	5	2	3'-5"	Str				
DF507	5	2	1'-5"	Str				
DF508	5	2	5'-3"	Str				
DF509	5	2	31'-3"	Str				
DF510	5	4	5'-2"	Str				
DF512	5	4	5'-8"	Str				
DF514	5	10	5'-9"	Str				
DF516	5	37	13'-10"	Str				
DF520	5	4	8'-2"	Str				
DF521	5	12	6'-4"	Str				
DF550	5	2	7'-11 1/2"	Str	0'-9 1/2"	3'-7"	2'-6"	3'-7"
NB FUEL TANK SLAB								
F501	5	42	41'-3"	Str				
F502	5	8	7'-2"	Str				
F503	5	8	7'-10"	Str				
F504	5	8	3'-8"	Str				
F505	5	8	8'-8"	Str				
F506	5	8	3'-5"	Str				
F507	5	8	1'-5"	Str				
F508	5	8	5'-3"	Str				
F509	5	8	31'-3"	Str				
F510	5	4	5'-2"	Str				
F511	5	6	9'-9"	Str				
F512	5	4	5'-8"	Str				
F513	5	6	11'-0"	Str				
F514	5	10	5'-9"	Str				
F515	5	15	11'-3"	Str				
F516	5	37	53'-10"	Str				
GF520	5	16	8'-2"	Str				
GF521	5	48	6'-4"	Str				
GF550	5	8	7'-11 1/2"	Str	0'-9 1/2"	3'-7"	2'-6"	3'-7"



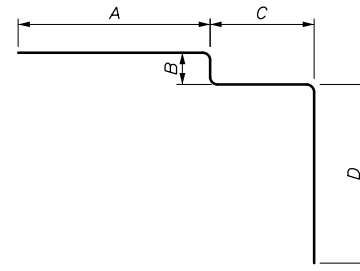
TYPE 117



TYPE 118



TYPE 129



TYPE 138

Filename: 00X_Reinforcing Schedule.dgn

Scale:			
No.	Revision	By	Date

Designed by:			
HNTB			
CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.			
By	Date	By	Date
Designed	JDW 7\18	Checked	TRC 7\18
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**THE GOLD STAR
 MEMORIAL HIGHWAY**

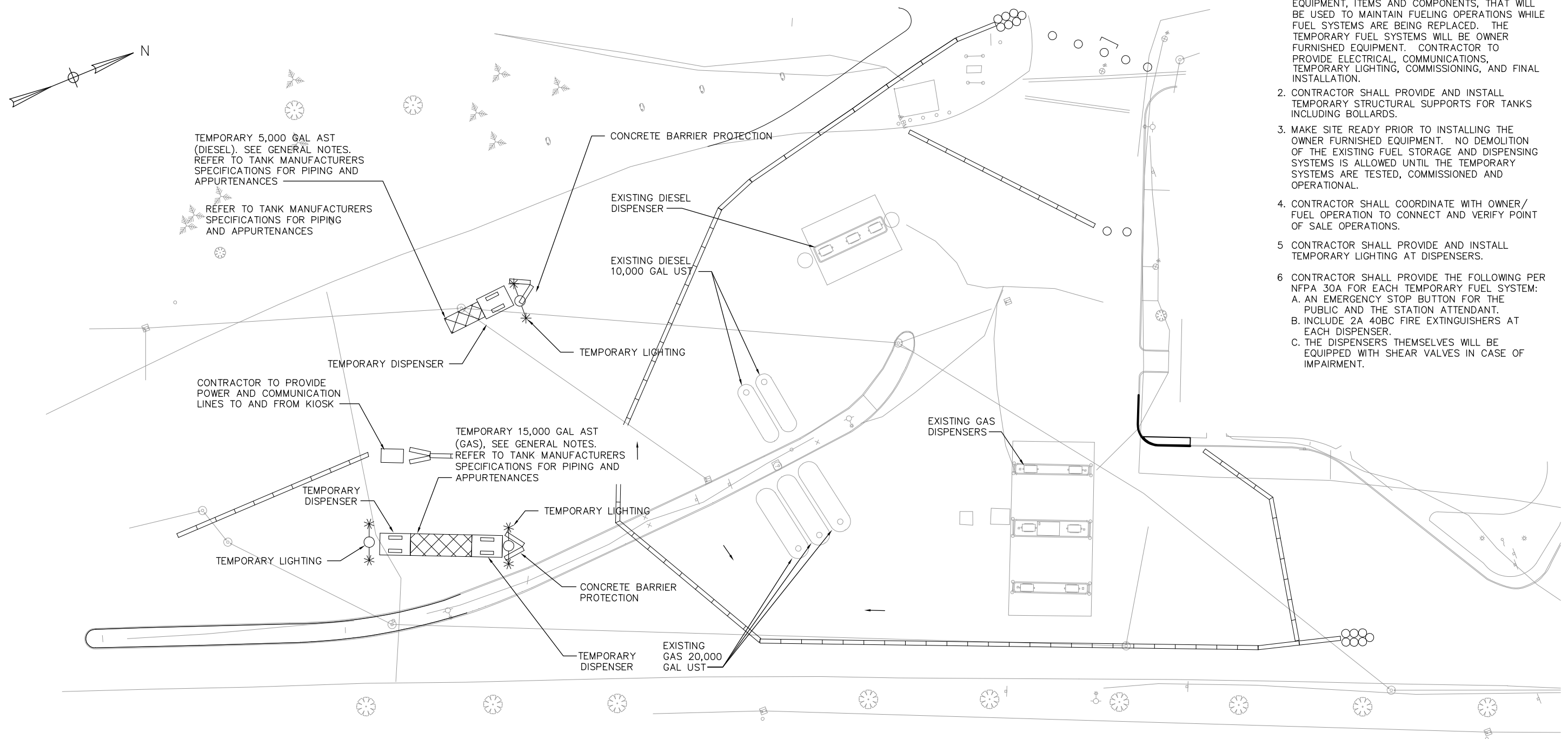
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 REINFORCING SCHEDULE

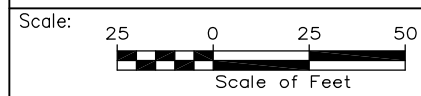
SHEET NUMBER: S-10
 CONTRACT: 2018.18
 36 OF 43

GENERAL NOTE:

1. TEMPORARY FUEL SYSTEM CONSISTS OF ABOVE GROUND FUEL STORAGE TANKS, DISPENSING EQUIPMENT, ITEMS AND COMPONENTS, THAT WILL BE USED TO MAINTAIN FUELING OPERATIONS WHILE FUEL SYSTEMS ARE BEING REPLACED. THE TEMPORARY FUEL SYSTEMS WILL BE OWNER FURNISHED EQUIPMENT. CONTRACTOR TO PROVIDE ELECTRICAL, COMMUNICATIONS, TEMPORARY LIGHTING, COMMISSIONING, AND FINAL INSTALLATION.
2. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY STRUCTURAL SUPPORTS FOR TANKS INCLUDING BOLLARDS.
3. MAKE SITE READY PRIOR TO INSTALLING THE OWNER FURNISHED EQUIPMENT. NO DEMOLITION OF THE EXISTING FUEL STORAGE AND DISPENSING SYSTEMS IS ALLOWED UNTIL THE TEMPORARY SYSTEMS ARE TESTED, COMMISSIONED AND OPERATIONAL.
4. CONTRACTOR SHALL COORDINATE WITH OWNER/ FUEL OPERATION TO CONNECT AND VERIFY POINT OF SALE OPERATIONS.
5. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY LIGHTING AT DISPENSERS.
6. CONTRACTOR SHALL PROVIDE THE FOLLOWING PER NFPA 30A FOR EACH TEMPORARY FUEL SYSTEM:
 - A. AN EMERGENCY STOP BUTTON FOR THE PUBLIC AND THE STATION ATTENDANT.
 - B. INCLUDE 2A 40BC FIRE EXTINGUISHERS AT EACH DISPENSER.
 - C. THE DISPENSERS THEMSELVES WILL BE EQUIPPED WITH SHEAR VALVES IN CASE OF IMPAIRMENT.



SITE PLAN – TEMPORARY GAS/DIESEL



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date	By	Date
Designed	JSG	07/18	Checked	DAM 07/18
Drawn	RMS	07/18	In Charge of	RAL 07/18

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



THE GOLD STAR
MEMORIAL HIGHWAY

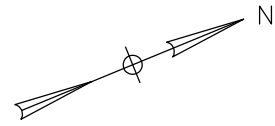
MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
SOUTHBOUND PLAZA
SITE PLAN – TEMPORARY GAS/DIESEL

CONTRACT: 2018.18

SHEET NUMBER: M1

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GENERAL NOTE:

1. DUE TO THE EXISTENCE OF THE FUELING SYSTEM, IT IS ANTICIPATED CONTAMINATED SOILS WILL BE ENCOUNTERED AS PART OF THIS PROJECT. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL REFER TO 'PROCEDURE FOR THE MANAGEMENT OF CONTAMINATED MATERIALS ENCOUNTERED DURING CONSTRUCTION' DOCUMENTATION.

GENERAL ELECTRICAL NOTE:

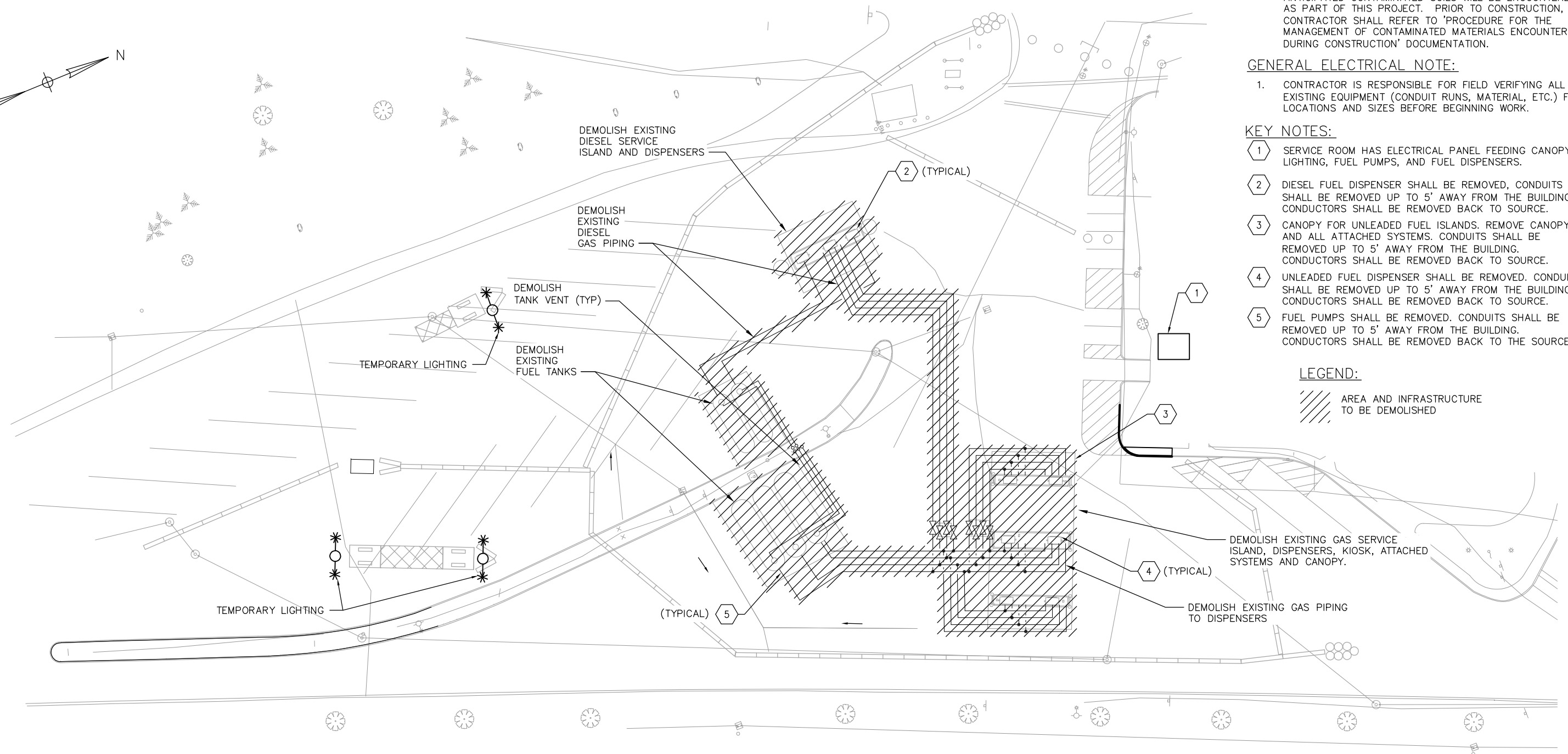
1. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING EQUIPMENT (CONDUIT RUNS, MATERIAL, ETC.) FOR LOCATIONS AND SIZES BEFORE BEGINNING WORK.

KEY NOTES:

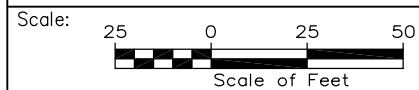
- 1 SERVICE ROOM HAS ELECTRICAL PANEL FEEDING CANOPY LIGHTING, FUEL PUMPS, AND FUEL DISPENSERS.
- 2 DIESEL FUEL DISPENSER SHALL BE REMOVED, CONDUITS SHALL BE REMOVED UP TO 5' AWAY FROM THE BUILDING. CONDUCTORS SHALL BE REMOVED BACK TO SOURCE.
- 3 CANOPY FOR UNLEADED FUEL ISLANDS. REMOVE CANOPY AND ALL ATTACHED SYSTEMS. CONDUITS SHALL BE REMOVED UP TO 5' AWAY FROM THE BUILDING. CONDUCTORS SHALL BE REMOVED BACK TO SOURCE.
- 4 UNLEADED FUEL DISPENSER SHALL BE REMOVED. CONDUITS SHALL BE REMOVED UP TO 5' AWAY FROM THE BUILDING. CONDUCTORS SHALL BE REMOVED BACK TO SOURCE.
- 5 FUEL PUMPS SHALL BE REMOVED. CONDUITS SHALL BE REMOVED UP TO 5' AWAY FROM THE BUILDING. CONDUCTORS SHALL BE REMOVED BACK TO THE SOURCE.

LEGEND:

AREA AND INFRASTRUCTURE TO BE DEMOLISHED



SITE PLAN – EXISTING GAS/DIESEL DEMOLITION



Designed by:



HNTB CORPORATION
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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
SOUTHBOUND PLAZA
SITE PLAN – EXISTING GAS/DIESEL DEMOLITION

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.			
	By	Date	
Designed	JSG	07/18	Checked DAM 07/18
Drawn	RMS	07/18	In Charge of RAL 07/18

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

CONTRACT: 2018.18

SHEET NUMBER: M2

38 OF 43

GENERAL NOTES:

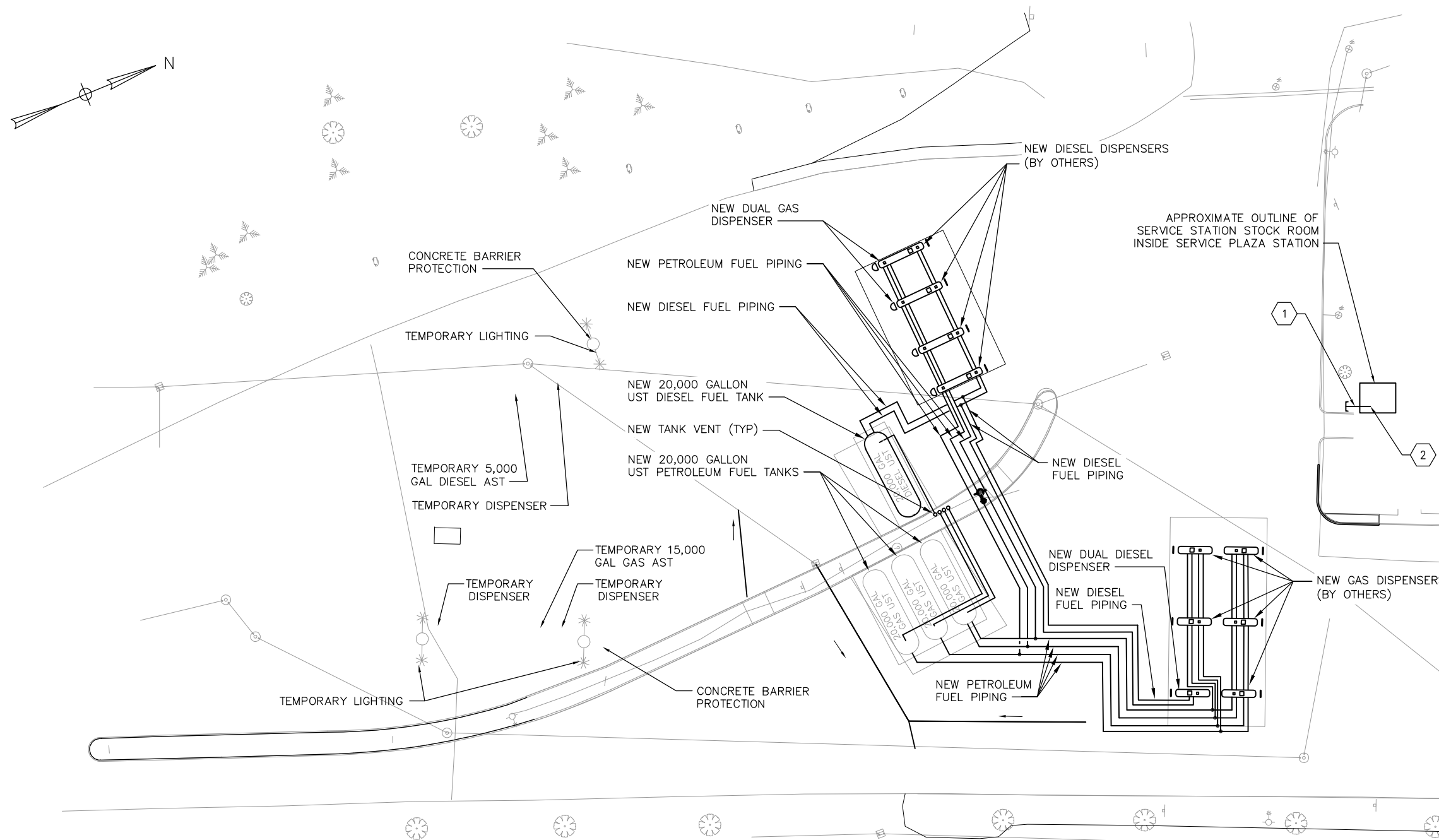
1. THE 20,000 GALLON UNDERGROUND STORAGE TANKS (UST), SUMPS AND SUMP COVERS FOR THE SOUTHBOUND SERVICE PLAZA, ARE OWNER FURNISHED EQUIPMENT.
2. THE SITE IS TO BE MADE READY PRIOR TO DECOMMISSIONING TEMPORARY, ABOVE GROUND FUEL STORAGE AND DISPENSING SYSTEMS. NO DEMOLITION OF TEMPORARY, ABOVE GROUND FUEL STORAGE AND DISPENSING SYSTEMS IS ALLOWED UNTIL THE PERMANENT, UNDERGROUND SYSTEMS ARE TESTED, COMMISSIONED AND OPERATIONAL.
3. CONTRACTOR TO RELOCATE TEMPORARY FUEL EQUIPMENT TO OWNER DESIGNATED LOCATION.
4. ALL FUEL LINES SHALL DRAIN BACK TO THE UNDERGROUND STORAGE TANKS AT MINIMUM 0.5% SLOPE. FUEL LINES SHALL MAINTAIN A MINIMUM 3'-FEET OF COVER FROM TOP OF PIPE TO GRADE. SEE TYPICAL BURIED PIPING SECTION ON SHEET SC-01.
5. UST AND AST SYSTEMS ARE NOT TO BE RUN SIMULTANEOUSLY, USING THE SAME POWER SOURCE, UNLESS OTHERWISE DIRECTED BY THE OWNER. CONTRACTOR WILL BE ALLOWED UP TO A 24 HOUR SHUTDOWN PERIOD WITH A MINIMUM 7-DAY NOTICE GIVEN TO MTA RESIDENT ENGINEER AND APPROVAL FROM THE MTA ON A MUTUALLY AGREED UPON DATE FOR THE FOLLOWING:
 - A. SHUTDOWN #1: SHUTDOWN OF THE EXISTING UST SYSTEMS IN ORDER TO TEST AND COMMISSION THE NEW TEMPORARY AST SYSTEMS AND PUT THEM INTO FULL OPERATION.
 - B. SHUTDOWN #2: SHUTDOWN OF THE EXISTING AST SYSTEMS IN ORDER TO TEST AND COMMISSION THE NEW UST SYSTEMS AND PUT THEM INTO FULL OPERATION.

ELECTRICAL GENERAL NOTES:

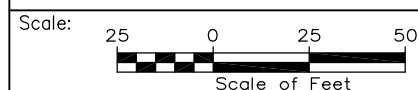
1. CONTRACTOR SHALL DEVELOP AND COORDINATE A WORK SCHEDULE WITH MTA RESIDENT ENGINEER SEVEN (7) DAYS PRIOR TO BEGINNING ANY WORK. WORK SCHEDULE SHALL BE REEVALUATED ON A WEEKLY BASIS WITH MTA RESIDENT ENGINEER.
2. CONTRACTOR IS RESPONSIBLE FOR PERFORMING A 30-DAY LOAD STUDY TO ENSURE EXISTING ELECTRICAL INFRASTRUCTURE IS CAPABLE OF HANDLING ADDITIONAL LOADS. IF SYSTEM IS NOT CAPABLE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER.
3. CONTRACTOR SHALL LIMIT ABOVEGROUND STORAGE TANK (AST) AND UNDERGROUND STORAGE TANK (UST) SIMULTANEOUS OPERATION TO NO MORE THAN 24 HOURS. CONTRACTOR SHALL COORDINATE SHUTDOWN TIME OF EXISTING/TEMPORARY EQUIPMENT WITH MTA RESIDENT ENGINEER FOR TESTING OF SYSTEM.
4. CONTRACTOR IS RESPONSIBLE FOR FIELD VERIFYING ALL EXISTING EQUIPMENT (CONDUIT RUNS, MATERIAL, ETC) FOR LOCATIONS AND SIZES BEFORE BEGINNING WORK. CONTRACTOR SHALL CONFIRM RESPECTIVE DESIGN IS FEASIBLE BEFORE BEGINNING WORK.
5. ALL WORK SHALL COMPLY WITH NFPA 70 (NATIONAL ELECTRIC CODE), NFPA 30A (CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES) AND MAINE TURNPIKE DESIGN STANDARDS.
6. CONTRACTOR SHALL PROVIDE LABELS (BREAKER, CONDUIT, CONDUCTOR, ETC) AND UPDATED PANEL SCHEDULES FOR ALL WORK COMPLETED.

KEY NOTES:

- 1 EXISTING CONDUITS SHALL BE INTERCEPTED APPROXIMATELY 5 FEET OUTSIDE THE BUILDING AND USED FOR NEW RACEWAYS TO NEW AND TEMPORARY FUELING EQUIPMENT (PUMPS, DISPENSERS, LIGHTING, ETC).
 - (3) 2" GRS, AND (6) 1" GRS FOR COMMUNICATION (COMM TROUGH)
 - (1) 2" GRS, (4) 1-1/2" GRS FOR POWER (POWER TROUGH)
 - (1) 2" GRS FOR EXTERIOR LIGHTING (LB)
- 2 SERVICE ROOM HAS EXISTING CONDUITS STUBBED UP WITH SEAL-OFFS THAT TERMINATE TO RESPECTIVE TROUGH. SERVICE ROOM HAS EXISTING 208/120V 3 PHASE PANEL WITH 225 AMP MAIN LUGS. THE EXISTING PANEL SHALL BE USED FOR NEW AND TEMPORARY FUELING EQUIPMENT (PUMPS, DISPENSERS, LIGHTING, ETC).



SITE PLAN - GAS/DIESEL PIPING



Designed by:



HNTB CORPORATION
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FAX (207) 228-0909



THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
SOUTHBOUND PLAZA
SITE PLAN - GAS/DIESEL PIPING

No.	Revision	By	Date

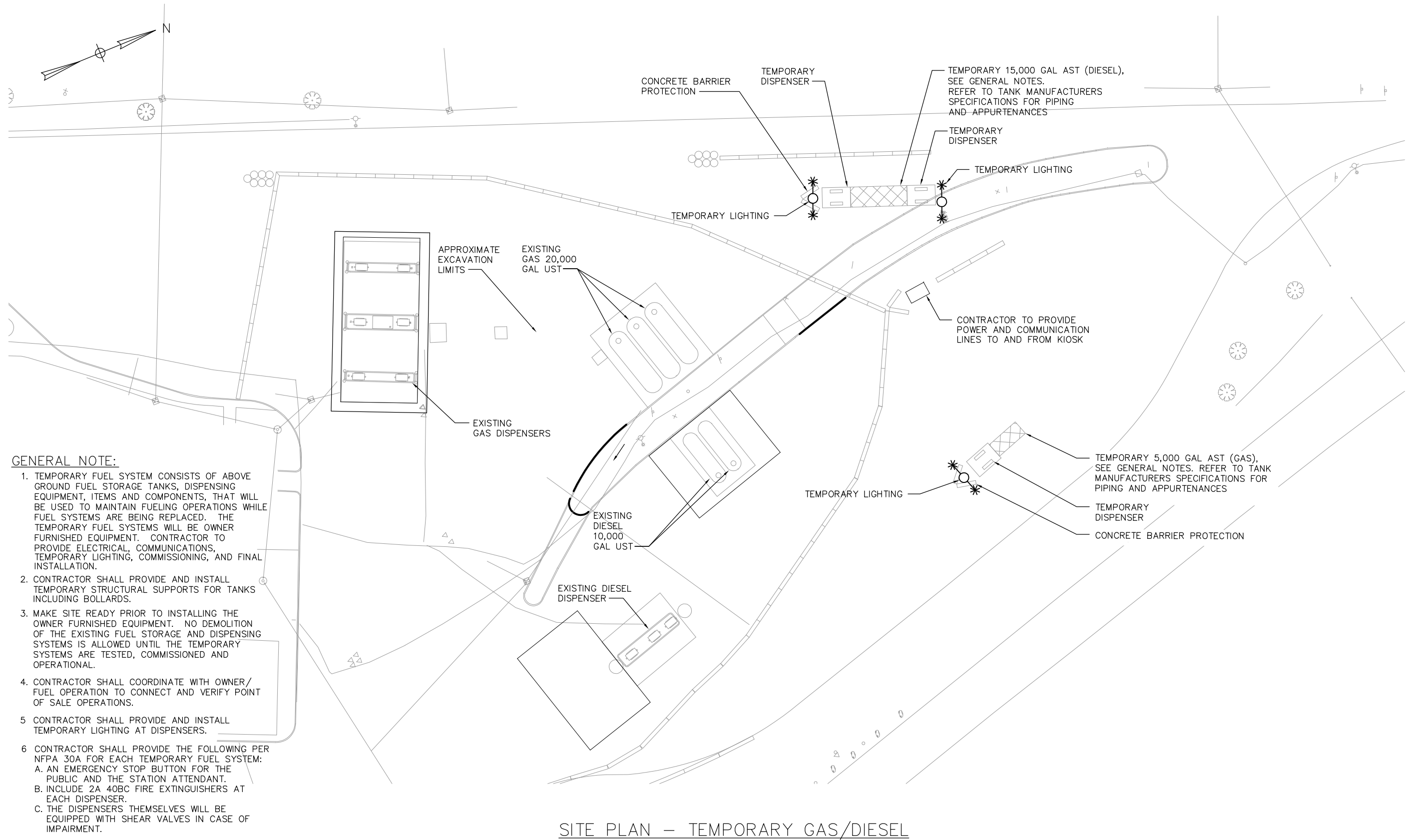
CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.					
	By	Date		By	Date
	Designed	JSG 07/18	Checked	DAM 07/18	
	Drawn	RMS 07/18	In Charge of	RAL 07/18	

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

CONTRACT: 2018.18

SHEET NUMBER: M3

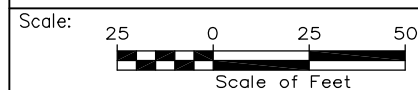
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GENERAL NOTE:

1. TEMPORARY FUEL SYSTEM CONSISTS OF ABOVE GROUND FUEL STORAGE TANKS, DISPENSING EQUIPMENT, ITEMS AND COMPONENTS, THAT WILL BE USED TO MAINTAIN FUELING OPERATIONS WHILE FUEL SYSTEMS ARE BEING REPLACED. THE TEMPORARY FUEL SYSTEMS WILL BE OWNER FURNISHED EQUIPMENT. CONTRACTOR TO PROVIDE ELECTRICAL, COMMUNICATIONS, TEMPORARY LIGHTING, COMMISSIONING, AND FINAL INSTALLATION.
2. CONTRACTOR SHALL PROVIDE AND INSTALL TEMPORARY STRUCTURAL SUPPORTS FOR TANKS INCLUDING BOLLARDS.
3. MAKE SITE READY PRIOR TO INSTALLING THE OWNER FURNISHED EQUIPMENT. NO DEMOLITION OF THE EXISTING FUEL STORAGE AND DISPENSING SYSTEMS IS ALLOWED UNTIL THE TEMPORARY SYSTEMS ARE TESTED, COMMISSIONED AND OPERATIONAL.
4. CONTRACTOR SHALL COORDINATE WITH OWNER/ FUEL OPERATION TO CONNECT AND VERIFY POINT OF SALE OPERATIONS.
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6. CONTRACTOR SHALL PROVIDE THE FOLLOWING PER NFPA 30A FOR EACH TEMPORARY FUEL SYSTEM:
 - A. AN EMERGENCY STOP BUTTON FOR THE PUBLIC AND THE STATION ATTENDANT.
 - B. INCLUDE 2A 40BC FIRE EXTINGUISHERS AT EACH DISPENSER.
 - C. THE DISPENSERS THEMSELVES WILL BE EQUIPPED WITH SHEAR VALVES IN CASE OF IMPAIRMENT.

SITE PLAN – TEMPORARY GAS/DIESEL



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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB
NORTHBOUND PLAZA
SITE PLAN – TEMPORARY GAS/DIESEL

No.	Revision	By	Date

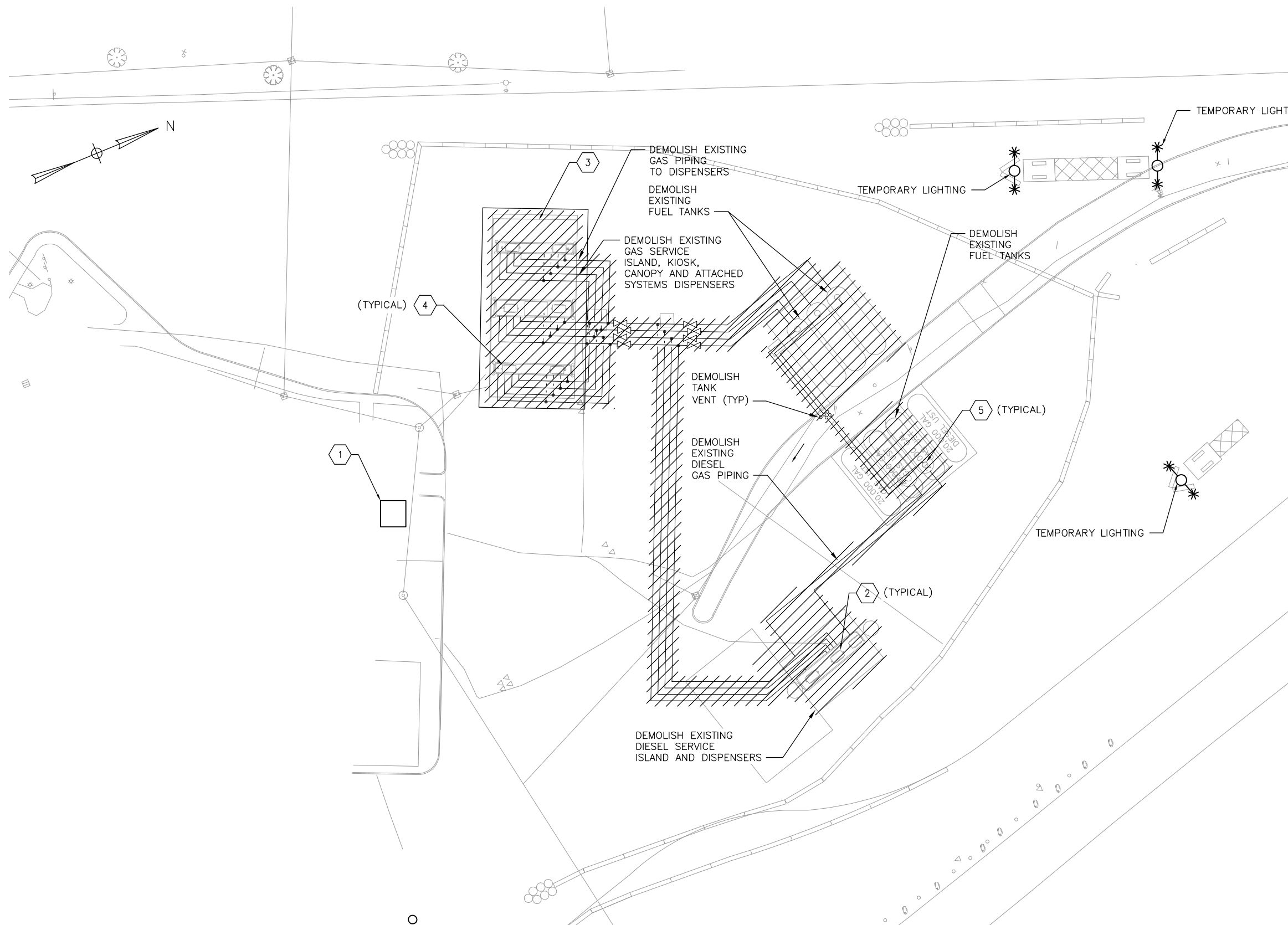
CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.	
By	Date
Designed JSG	07/18
Checked DAM	07/18
By	Date
Drawn RMS	07/18
In Charge of RAL	07/18

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

CONTRACT: 2018.18

SHEET NUMBER: M4

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GENERAL NOTE:

1. DUE TO THE EXISTENCE OF THE FUELING SYSTEM, IT IS ANTICIPATED CONTAMINATED SOILS WILL BE ENCOUNTERED AS PART OF THIS PROJECT. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL REFER TO 'PROCEDURE FOR THE MANAGEMENT OF CONTAMINATED MATERIALS ENCOUNTERED DURING CONSTRUCTION' DOCUMENTATION.

GENERAL ELECTRICAL NOTE:

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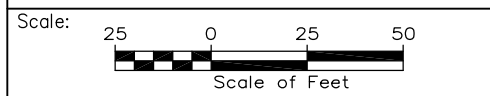
KEY NOTES:

- 1 SERVICE ROOM HAS ELECTRICAL PANEL FEEDING CANOPY LIGHTING, FUEL PUMPS, AND FUEL DISPENSERS.
- 2 DIESEL FUEL DISPENSER SHALL BE REMOVED, CONDUITS SHALL BE REMOVED UP TO 5' AWAY FROM THE BUILDING. CONDUCTORS SHALL BE REMOVED BACK TO SOURCE.
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LEGEND:

AREA AND INFRASTRUCTURE TO BE DEMOLISHED

SITE PLAN – EXISTING GAS/DIESEL DEMOLITION



Designed by:

HNTB

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.			
	By	Date	
Designed	JSG	07/18	Checked DAM 07/18
Drawn	RMS	07/18	In Charge of RAL 07/18

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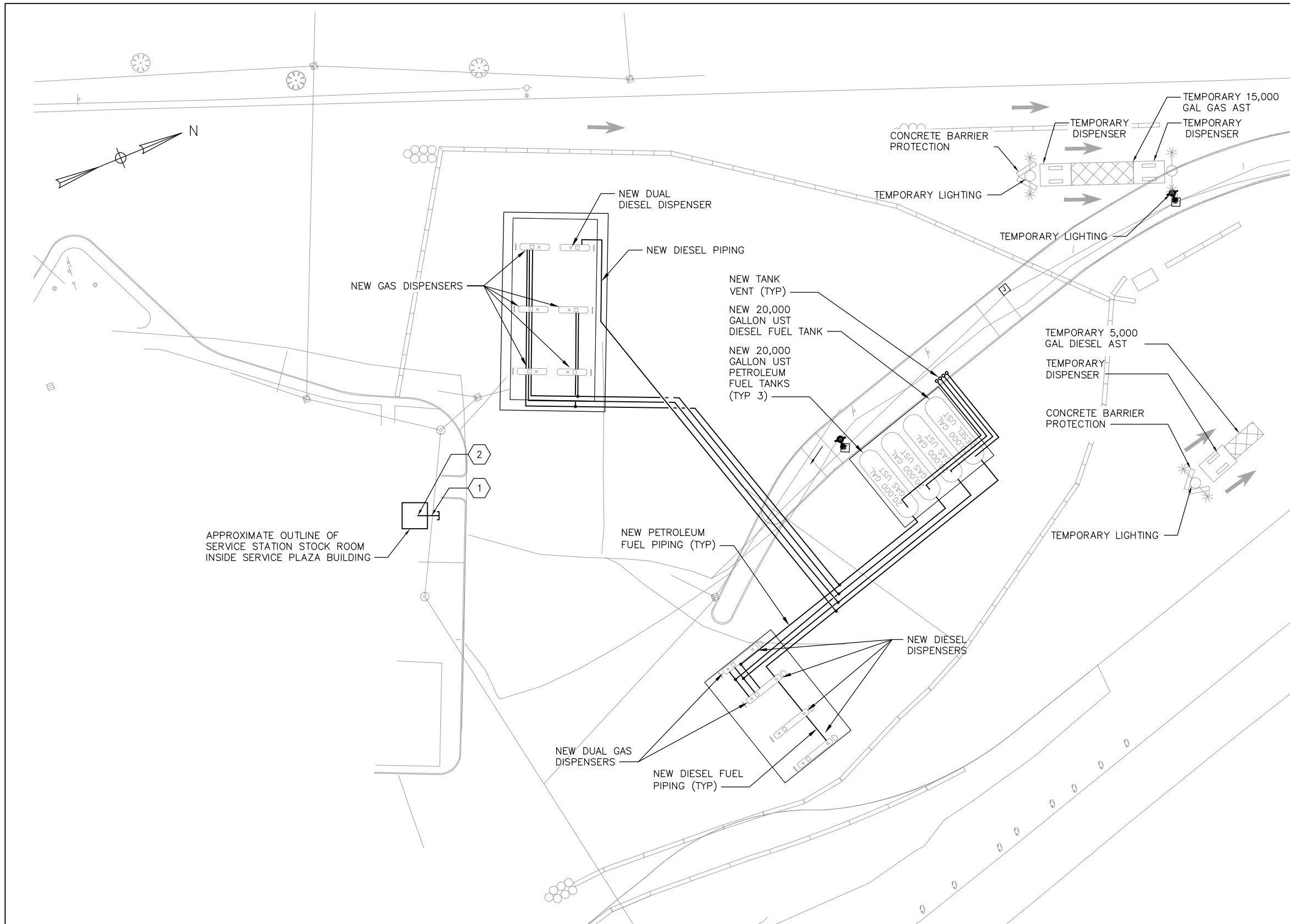


THE GOLD STAR
 MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 NORTHBOUND PLAZA
 SITE PLAN – EXISTING GAS/DIESEL DEMOLITION

SHEET NUMBER: M5
 CONTRACT: 2018.18
 41 OF 43



SITE PLAN - GAS/DIESEL PIPING

GENERAL NOTES:

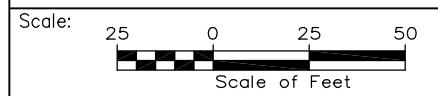
1. THE 20,000 GALLON UNDERGROUND STORAGE TANKS (UST), SUMPS AND SUMP COVERS FOR THE NORTHBOUND SERVICE PLAZA, ARE OWNER FURNISHED EQUIPMENT.
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3. CONTRACTOR TO RELOCATE TEMPORARY FUEL EQUIPMENT TO OWNER DESIGNATED LOCATION.
4. ALL FUEL LINES SHALL DRAIN BACK TO THE UNDERGROUND STORAGE TANKS AT MINIMUM 0.5% SLOPE. FUEL LINES SHALL MAINTAIN A MINIMUM 3'-FEET OF COVER FROM TOP OF PIPE TO GRADE. SEE TYPICAL BURIED PIPING SECTION ON SHEET SC-01.
5. UST AND AST SYSTEMS ARE NOT TO BE RUN SIMULTANEOUSLY, USING THE SAME POWER SOURCE, UNLESS OTHERWISE DIRECTED BY THE OWNER. CONTRACTOR WILL BE ALLOWED UP TO A 24 HOUR SHUTDOWN PERIOD WITH A MINIMUM 7-DAY NOTICE GIVEN TO MTA RESIDENT ENGINEER AND APPROVAL FROM THE MTA ON A MUTUALLY AGREED UPON DATE FOR THE FOLLOWING:
 - A. SHUTDOWN #1: SHUTDOWN OF THE EXISTING UST SYSTEMS IN ORDER TO TEST AND COMMISSION THE NEW TEMPORARY AST SYSTEMS AND PUT THEM INTO FULL OPERATION.
 - B. SHUTDOWN #2: SHUTDOWN OF THE EXISTING AST SYSTEMS IN ORDER TO TEST AND COMMISSION THE NEW UST SYSTEMS AND PUT THEM INTO FULL OPERATION.

ELECTRICAL GENERAL NOTES:

1. CONTRACTOR SHALL DEVELOP AND COORDINATE A WORK SCHEDULE WITH MTA RESIDENT ENGINEER SEVEN (7) DAYS PRIOR TO BEGINNING ANY WORK. WORK SCHEDULE SHALL BE REEVALUATED ON A WEEKLY BASIS WITH MTA RESIDENT ENGINEER.
2. CONTRACTOR IS RESPONSIBLE FOR PERFORMING A 30-DAY LOAD STUDY TO ENSURE EXISTING ELECTRICAL INFRASTRUCTURE IS CAPABLE OF HANDLING ADDITIONAL LOADS. IF SYSTEM IS NOT CAPABLE CONTRACTOR IS RESPONSIBLE FOR PROVIDING TEMPORARY POWER.
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5. ALL WORK SHALL COMPLY WITH NFPA 70 (NATIONAL ELECTRIC CODE), NFPA 30A (CODE FOR MOTOR FUEL DISPENSING FACILITIES AND REPAIR GARAGES) AND MAINE TURNPIKE DESIGN STANDARDS.
6. CONTRACTOR SHALL PROVIDE LABELS (BREAKER, CONDUIT, CONDUCTOR, ETC) AND UPDATED PANEL SCHEDULES FOR ALL WORK COMPLETED.

KEY NOTES:

1. EXISTING CONDUITS SHALL BE INTERCEPTED APPROXIMATELY 5 FEET OUTSIDE THE BUILDING AND USED FOR NEW RACEWAYS TO NEW AND TEMPORARY FUELING EQUIPMENT (PUMPS, DISPENSERS, LIGHTING, ETC).
 - (3) 2" GRS, AND (6) 1" GRS FOR COMMUNICATION (COMM TROUGH)
 - (1) 2" GRS, (4) 1-1/2" GRS FOR POWER (POWER TROUGH)
 - (1) 2" GRS FOR EXTERIOR LIGHTING (LB)
2. SERVICE ROOM HAS EXISTING CONDUITS STUBBED UP WITH SEAL-OFFS THAT TERMINATE TO RESPECTIVE TROUGH. SERVICE ROOM HAS EXISTING 208/120V 3 PHASE PANEL WITH 225 AMP MAIN LUGS. THE EXISTING PANEL SHALL BE USED FOR NEW AND TEMPORARY FUELING EQUIPMENT (PUMPS, DISPENSERS, LIGHTING, ETC).



Designed by:

HNTB

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.

	By	Date	Checked	By	Date
Designed	JSG	07/18	Checked	DAM	07/18
Drawn	RMS	07/18	In Charge of	RAL	07/18

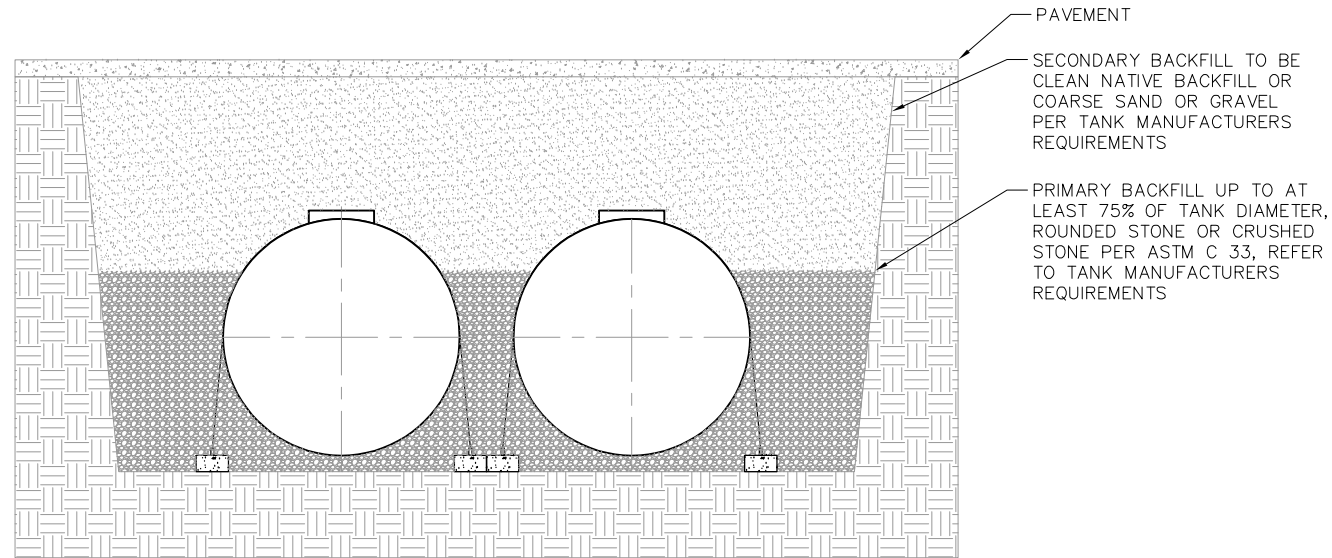
HNTB CORPORATION
 340 County Road, Suite 6-C
 Westbrook, ME 04092
 TEL (207) 774-5155
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THE GOLD STAR
MEMORIAL HIGHWAY

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
 REPLACEMENT MILE 25.5 SB AND NB
 NORTHBOUND PLAZA
 SITE PLAN - GAS/DIESEL PIPING

SHEET NUMBER: M6
 CONTRACT: 2018.18
 42 OF 43



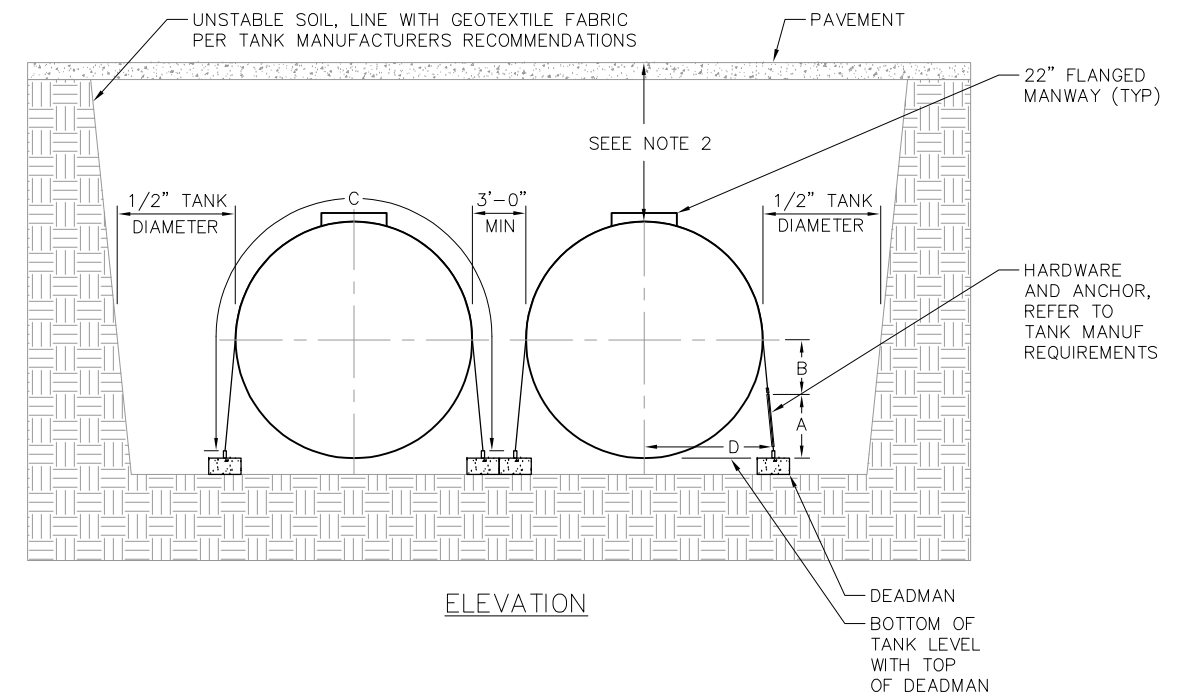
TANK BACKFILL

SCALE: NONE

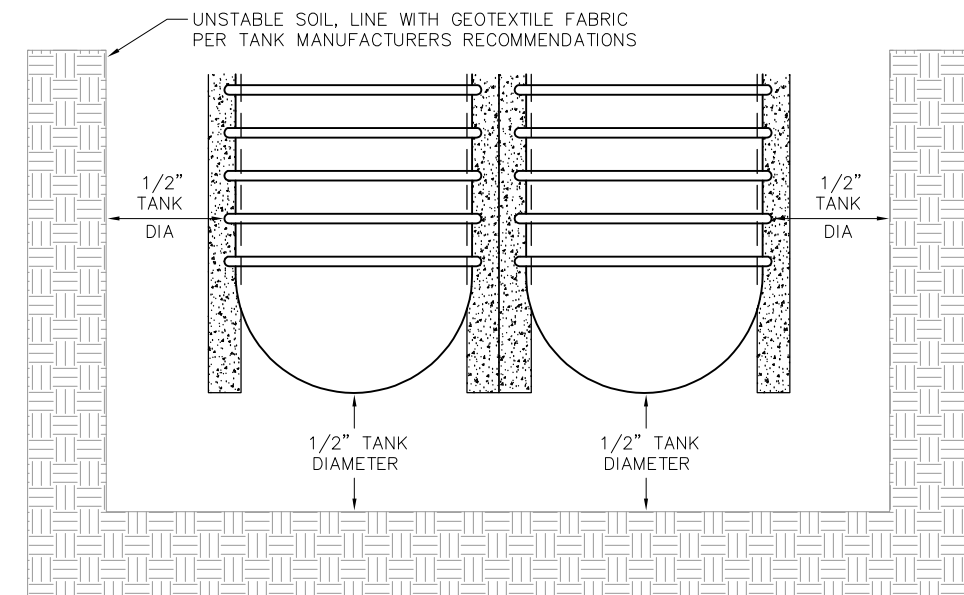
2

ANCHORING DIMENSIONS					
TANK DIA.	A	B	C	D MIN	D MAX
10'	26"	34"	23'-9"	69"	75"

DEADMAN DIMENSIONS	
TANK DIA.	TYPICAL DEADMAN DIMENSIONS (WxD)
10'	18x9



ELEVATION



PLAN

NOTE:

1. THE 20,000 GALLON UNDER GROUND STORAGE TANKS (UST) ARE OWNER FURNISHED EQUIPMENT FOR BOTH SOUTHBOUND AND NORTHBOUND PLAZAS. REFER TO TANK MANUFACTURER'S SPECIFICATIONS FOR INSTALLATION REQUIREMENTS, SUPPLIED AND REQUIRED ACCESSORIES.
2. CONTRACTOR TO SET UST BURIAL DEPTH BASED ON MEETING THE REQUIRED 0.5% MINIMUM FUEL PIPE SLOPE AND MINIMUM 3'-0" PIPE BURIAL DEPTH. ALL FUEL PIPE TO DRAIN BACK TO THE USTS.

TANK INSTALLATION

SCALE: NONE

1

Scale:

Designed by:



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Westbrook, ME 04092
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THE GOLD STAR
MEMORIAL HIGHWAY

KENNEBUNK TRAVEL PLAZAS FUEL SYSTEM
REPLACEMENT MILE 25.5 SB AND NB

FUEL TANK DETAILS

No.	Revision	By	Date

CONSULTANT PROJECT MANAGER: Dale A. Mitchell, P.E.			
	By	Date	
Designed	JSG	07/18	Checked DAM 07/18
Drawn	RMS	07/18	In Charge of RAL 07/18

MTA PROJECT MANAGER: Peter S. Merfeld, P.E.

CONTRACT: 2018.18

SHEET NUMBER: M7

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