BY: ABD
 DATE: 4/21/20

 CHK: JCS
 DATE: 4/22/20

9079

LB

ITEM #	DESCRIPTION	QUANTITY	UNIT
202E11201	PORTIONS OF STRUCTURE REMOVED, AS PER PLAN	LS	LS
503E21300	UNCLASSIFIED EXCAVATION	LS	LS
509E10000	EPOXY COATED REINFORCING STEEL	9,079	LB
	CLASS QC1 CONCRETE, FOOTING	27	CY
511E46610	CLASS QC1 CONCRETE, HEADWALL	18	CY
511E50210	CLASS QC1 CONCRETE, SUBSTRUCTURE	17	CY
512E10100	SEALING OF CONCRETE SURFACES (EPOXY-URETHANE)	41	SY
	TYPE 2 WATERPROOFING	437	SY
516E13600	1" PREFORMED EXPANSION JOINT FILLER	13	SF
518E21200	POROUS BACKFILL WITH GEOTEXTILE FABRIC	21	CY
601E32100	ROCK CHANNEL PROTECTION, TYPE B WITH FILTER	84	CY
611E53100	43" X 68" CONDUIT, TYPE A, 706.04	21	FT
	7' X 4' CONDUIT, TYPE A, 706.05	185	FT
611E99690	MANHOLE, MISC.: FRAME, COVER, GRADE RINGS, STEPS	1	EA
503E21300	UNCLASSIFIED EXCAVATION	LS	LS

#### SOUTH HEADWALL

<u>SOUTH HEADWALL:</u>						
LENGTH:	26.74	FT				
WIDTH:	6.50	FT				
HEIGHT:	4.99	FT				
# LOCATIONS:	1.00	EA				
VOLUME:	32.12	CY				
NORTH HEADWALL:						
LENGTH:	43.24	FT				
	0.00					

<u>NORTH HEADWALL:</u>				
43.24 F	LENGTH:	FT		
8.00 F	WIDTH:	FT		
5.33 F	HEIGHT:	FT		
1.00 E	LOCATIONS:	EA		
<b>68.29</b> (	VOLUME:	CY		

## ~average of sum of each side of footing

~footing width + 1' each side ~approx. avg. elev. from ex. ground (791.5) to bot. footing elev. (786.51)

# ~average of sum of each side of footing

~footing width + 1' each side

~approx. avg. elev. from ex. ground (791.0) to bot. footing elev. (785.67)

### Unclassified excavation included with box and elliptical pipe items.

There is an existing junction box in location of proposed junction box. Excavation required for removal. Adding 10% contingency to account for above. CONTINGENCY: 10.00 %

THROENOT.	10.00	70	
TOTAL:	111.00	CY	
UNIT COST:	\$50	/CY	
TOTAL:	\$6,000		

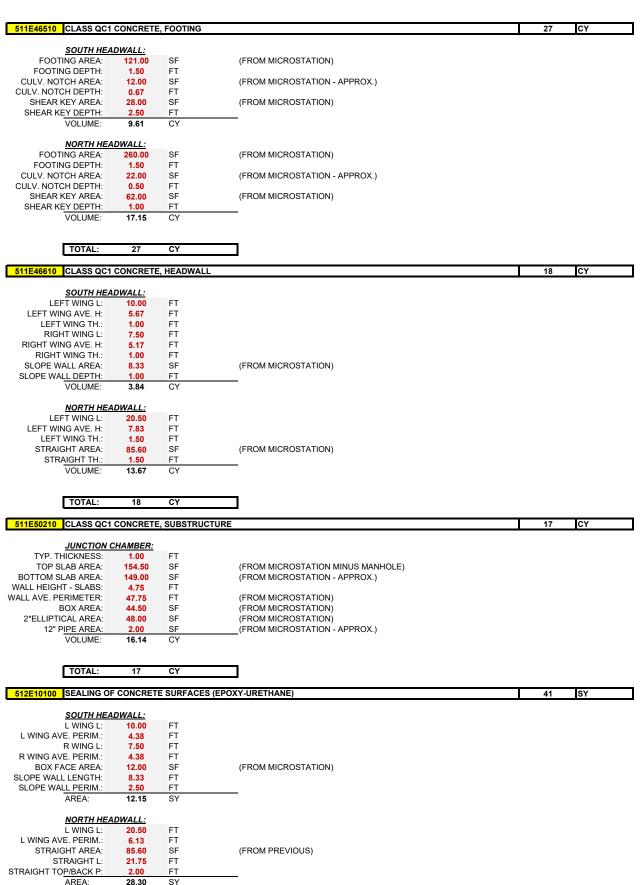
### 509E10000 EPOXY COATED REINFORCING STEEL

LB	(FROM PLANS)
LB	(FROM PLANS)
LB	(FROM PLANS)
LB	
	LB

TOTAL:

SY

41



512E33000 TYPE 2 WAT	ERPROOFI	NG		437	SY	
PRECAST B	OX CULVER	RT:				
BOX HEIGHT:	5.33	FT				
BOX WIDTH + 2 FT:	10.33	FT				
BOX LENGTH + 4 FT:	187.00	FT	(FROM MICROSTATION)			
AREA:	436.31	SY				
,		2.				
TOTAL:	437	SY	—			
TOTAL.	-91	01	1			
516E13600 1" PREFORM			III ER	13	SF	
STOL 13000 I FREPORI				13	01	
SOUTH HEA						
# LOCATIONS:	2.00	EA				
HEIGHT:	6.33	FT				
WALL THICKNESS:	1.00	FT				
AREA:	12.66	SF				
TOTAL:	13	SF				
518E21200 POROUS BA	CKFILL WI	TH GEOTEXTI	LE FABRIC	21	CY	
SOUTH HEA						
BACKFILL THICKNESS:	2.00	FT				
LEFT WING L:	10.00	FT				
LEFT WING AVE. H:	4.67	FT	(HEIGHT OF POROUS BACKFILL)			
RIGHT WING L:	7.50	FT	·			
RIGHT WING AVE. H:	4.17	FT	(HEIGHT OF POROUS BACKFILL)			
VOLUME:	5.77	CY	,			
	-	-				
NORTH HEA	DWALL:					
BACKFILL THICKNESS:	2.00	FT				
LEFT WING L:	20.50	FT				
LEFT WING AVE. H:	6.83	FT	(HEIGHT OF POROUS BACKFILL)			
STRAIGHT AREA:	61.60	SF	(FROM MICROSTATION - FOR POROUS BACKFILL)			
VOLUME:	14.93	CY				
VOLOME.	14.33	01				
TOTAL:	21	CY				
IUIAL:	41	<b>U</b> 1	<u>_</u>			
644EF9400 498 Y 008 00		DE A 700.04		~ 1	IFT.	
611E53100 43" X 68" CC	ווטעאי, וצו	Г E A, / Ub.U4		21	FT	
BAE		e.				
RCP TWIN E						
SOUTH PIPE L:	14.00	FT	(FROM MICROSTATION)			
NORTH PIPE L:	7.00	FT	(FROM MICROSTATION)			
TOTAL LENGTH:	21.00	FT				
<u> </u>						
TOTAL:	21	FT				
611E94726 7' X 4' COND	UIT, TYPE	A, 706.05		185	FT	
PRECAST B	OX CULVE	R <u>T:</u>				
BOX LENGTH:	185.00	FT	(FROM MICROSTATION)			
TOTAL LENGTH:	185.00	FT	,,,			
TOTAL:	185	FT				
IVIAL.						