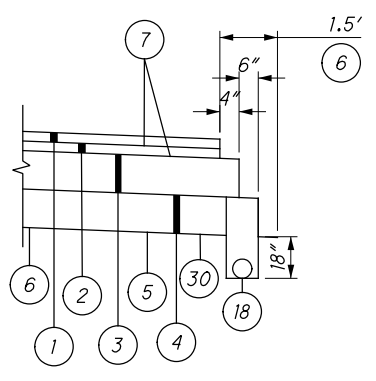


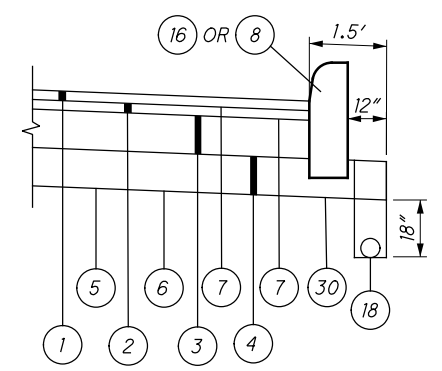
LEGEND

- 1 ITEM 442 - 1 1/2" ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A, (446), AS PER PLAN, PG70-22M
- 2 ITEM 442 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, 19MM, TYPE A, (446)
- 3 ITEM 302 - 6" ASPHALT CONCRETE BASE, PG64-22
- 4 ITEM 304 - 6" AGGREGATE BASE
- 5 ITEM 204 - PROOF ROLLING
- 6 ITEM 204 - SUBGRADE COMPACTION
- 7 ITEM 407 - NON-TRACKING TACK COAT
- 8 ITEM 609 - CURB, TYPE 6
- 9 ITEM 609 - COMBINATION CURB AND GUTTER, TYPE 2
- 10 ITEM 608 - 5" CONCRETE WALK
- 11 ITEM 622 - CONCRETE BARRIER, TYPE C1
- 12 CAST-IN-PLACE CONCRETE BARRIER WITH MOMENT SLAB
- 13 ITEM 659 - SEEDING AND MULCHING
- 14 ITEM 622 - CONCRETE BARRIER, TYPE D
- 15 ITEM 452 - 11" NON REINFORCED CONCRETE PAVEMENT, CLASS QC IP
- 16 ITEM 609 - CURB, TYPE 4-C
- 17 ITEM 622 - CONCRETE BARRIER, TYPE B1
- * 18 ITEM 605 - 6" BASE PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC
- 19 ITEM 441 - 2" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- 20 ITEM 452 - 6" NON REINFORCED CONCRETE PAVEMENT, CLASS QC IP
- 21 ITEM 452 - 8" NON REINFORCED CONCRETE PAVEMENT, CLASS QC SM
- 22 ITEM 441 - 1 1/4" ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22
- 23 ITEM 441 - 1 3/4" ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)
- 24 ITEM 304 - 8" AGGREGATE BASE
- 25 ITEM 606 - GUARDRAIL, TYPE MGS
- 26 ITEM 204 - 12" GRANULAR MATERIAL, TYPE B
- 27 ITEM 204 - 24" EMBANKMENT
- 28 ITEM 622 - CONCRETE BARRIER, TYPE B
- 29 ITEM 204 - EXCAVATION OF SUBGRADE (12" OR 24" DEPTH)
- 30 ITEM 204 - GEOTEXTILE FABRIC
- * 31 ITEM 605 - 6" SHALLOW PIPE UNDERDRAIN WITH GEOTEXTILE FABRIC

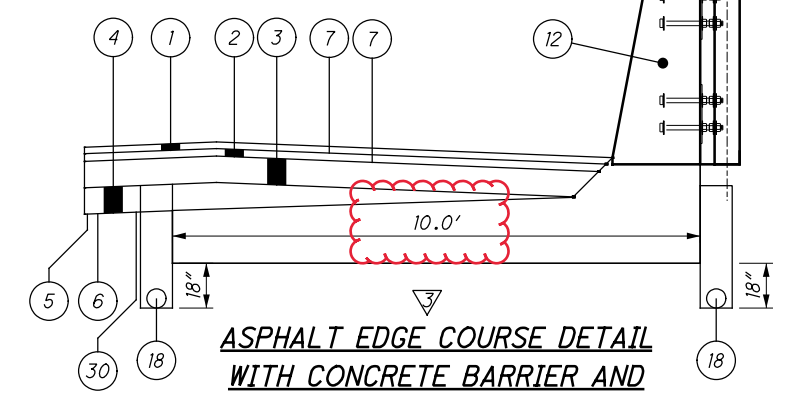
* - THE UNDERDRAIN TRENCH IS TO BE CARRIED TO THE TOP OF ITEM 304.



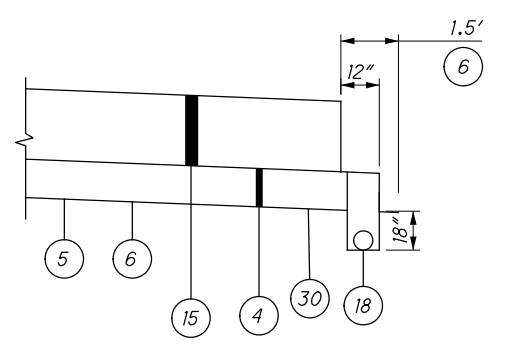
ASPHALT EDGE COURSE DETAIL



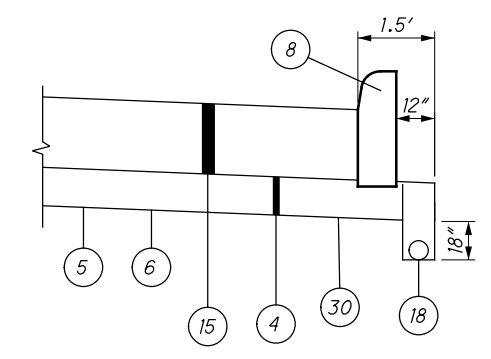
ASPHALT EDGE COURSE DETAIL WITH CURB



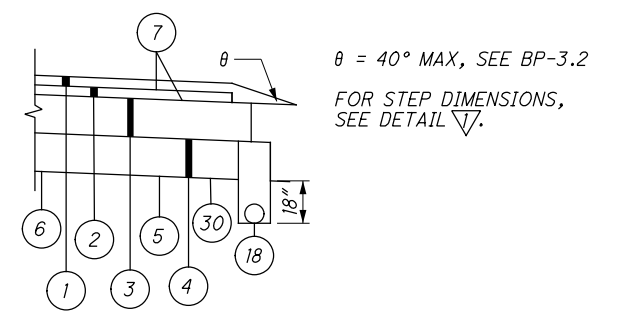
ASPHALT EDGE COURSE DETAIL WITH CONCRETE BARRIER AND MOMENT SLAB



CONCRETE EDGE COURSE DETAIL

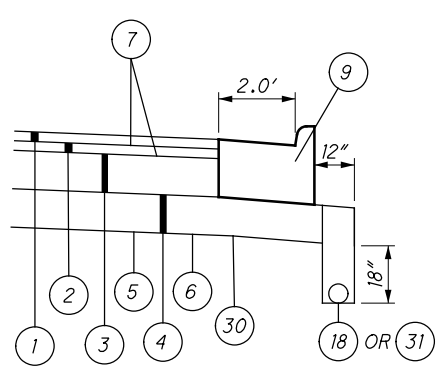


CONCRETE EDGE COURSE DETAIL WITH CURB

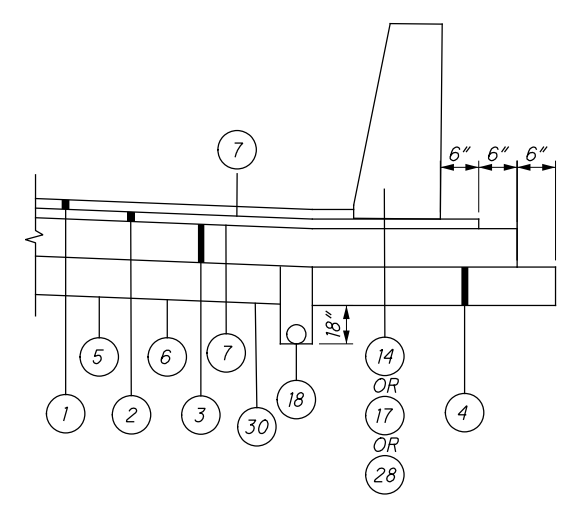


ASPHALT EDGE COURSE DETAIL WITH SAFETY EDGE

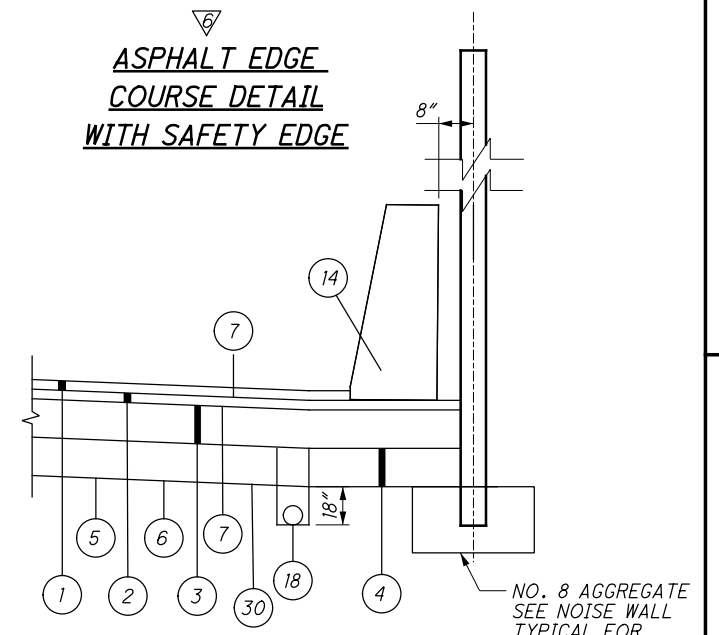
θ = 40° MAX, SEE BP-3.2
FOR STEP DIMENSIONS, SEE DETAIL



ASPHALT EDGE COURSE DETAIL WITH CURB & GUTTER



ASPHALT EDGE COURSE DETAIL WITH CONCRETE BARRIER



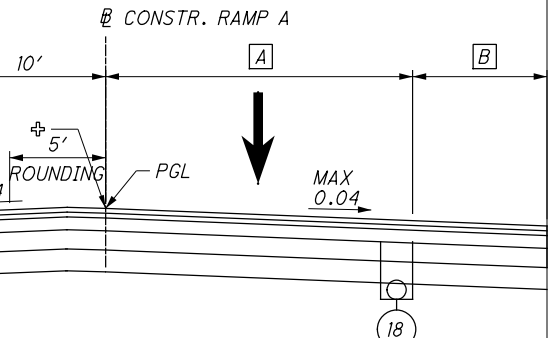
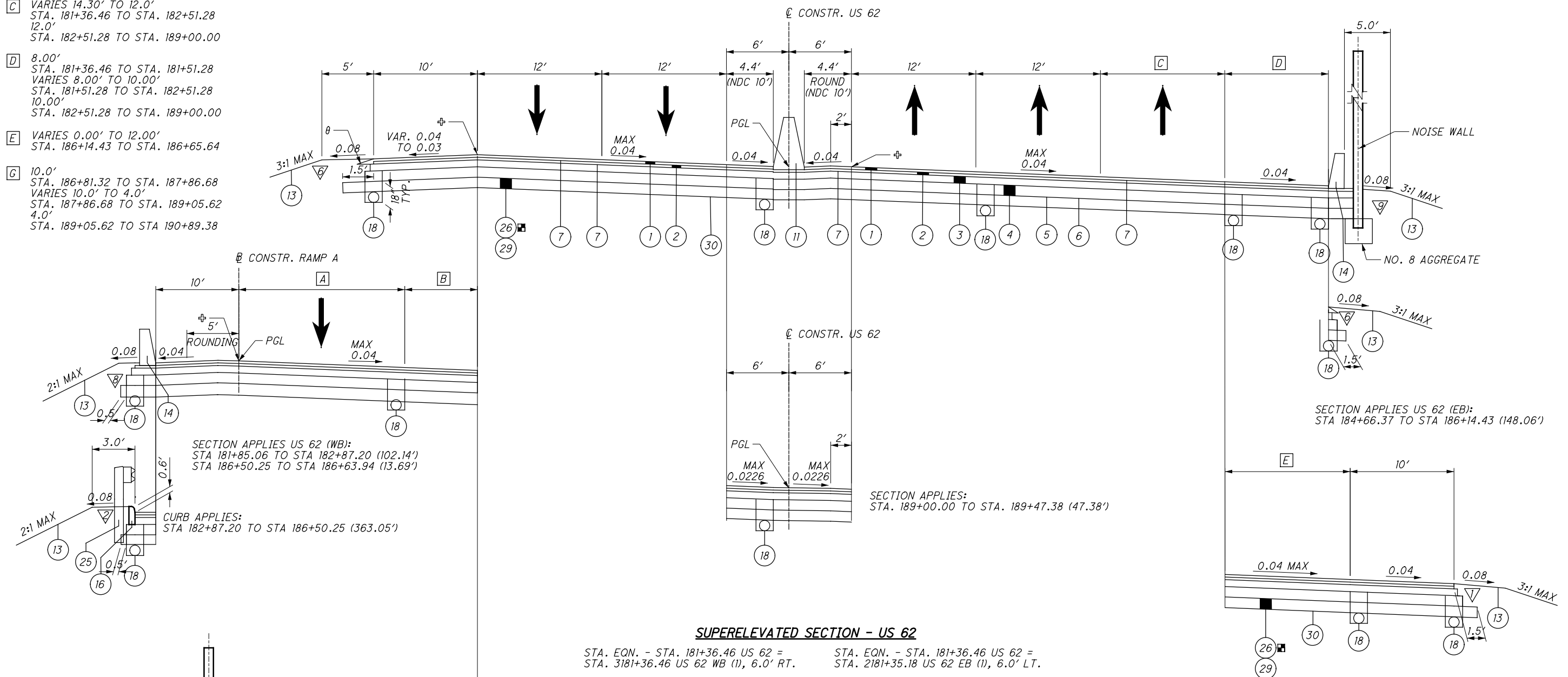
ASPHALT EDGE COURSE DETAIL WITH CONCRETE BARRIER & NOISE WALL

NO. 8 AGGREGATE SEE NOISE WALL TYPICAL FOR MORE DETAILS

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- A 16.0'
STA. 181+81.20 TO STA. 184+20.18
VARIES 16.0' TO 12.0'
STA. 184+20.18 TO STA. 185+70.00
- B VARIES 23.0' TO 0.0'
STA. 181+81.20 TO STA. 184+20.18
- C VARIES 14.30' TO 12.0'
STA. 181+36.46 TO STA. 182+51.28
12.0'
STA. 182+51.28 TO STA. 189+00.00
- D 8.00'
STA. 181+36.46 TO STA. 181+51.28
VARIES 8.00' TO 10.00'
STA. 181+51.28 TO STA. 182+51.28
10.00'
STA. 182+51.28 TO STA. 189+00.00
- E VARIES 0.00' TO 12.00'
STA. 186+14.43 TO STA. 186+65.64
- G 10.00'
STA. 186+81.32 TO STA. 187+86.68
VARIES 10.00' TO 4.00'
STA. 187+86.68 TO STA. 189+05.62
4.00'
STA. 189+05.62 TO STA. 190+89.38

26 ITEM APPLIES:
US 62 (WB & EB) STA. 181+36.46 TO STA. 189+47.38 (810.92')



SECTION APPLIES US 62 (WB):
STA 181+85.06 TO STA 182+87.20 (102.14')
STA 186+50.25 TO STA 186+63.94 (13.69')

CURB APPLIES:
STA 182+87.20 TO STA 186+50.25 (363.05')

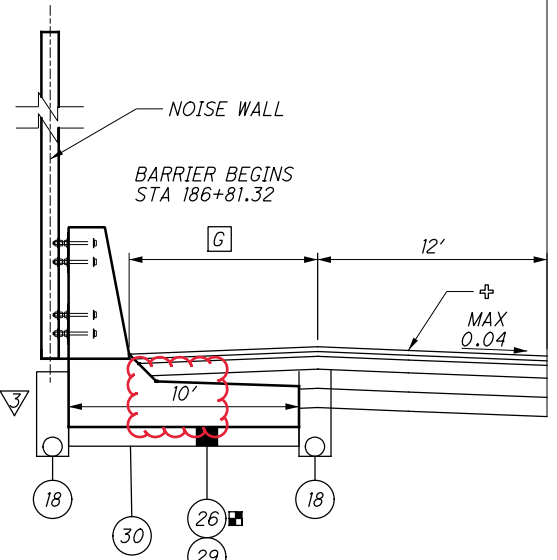
SUPERELEVATED SECTION - US 62

STA. EQN. - STA. 181+36.46 US 62 = STA. 3181+36.46 US 62 WB (1), 6.0' RT.
STA. EQN. - STA. 181+36.46 US 62 = STA. 2181+35.18 US 62 EB (1), 6.0' LT.

SECTION APPLIES US 62 (WB & EB):
STA. 181+36.46 TO STA. 189+47.38 (810.92')

SECTION APPLIES US 62 (EB):
STA 184+66.37 TO STA 186+14.43 (148.06')

SECTION APPLIES US 62 (EB):
STA 186+14.43 TO STA 189+00.00 (285.57')



SECTION APPLIES US 62 (WB):
STA 186+63.94 TO STA 189+47.38 (283.44')

⊕ 7.00% MAX. BREAK
θ - 40° MAX, SEE BP-3.2

FOR LEGEND AND ASPHALT EDGE COURSE DETAILS SEE SHEET 10.

TYPICAL SECTIONS - US 62

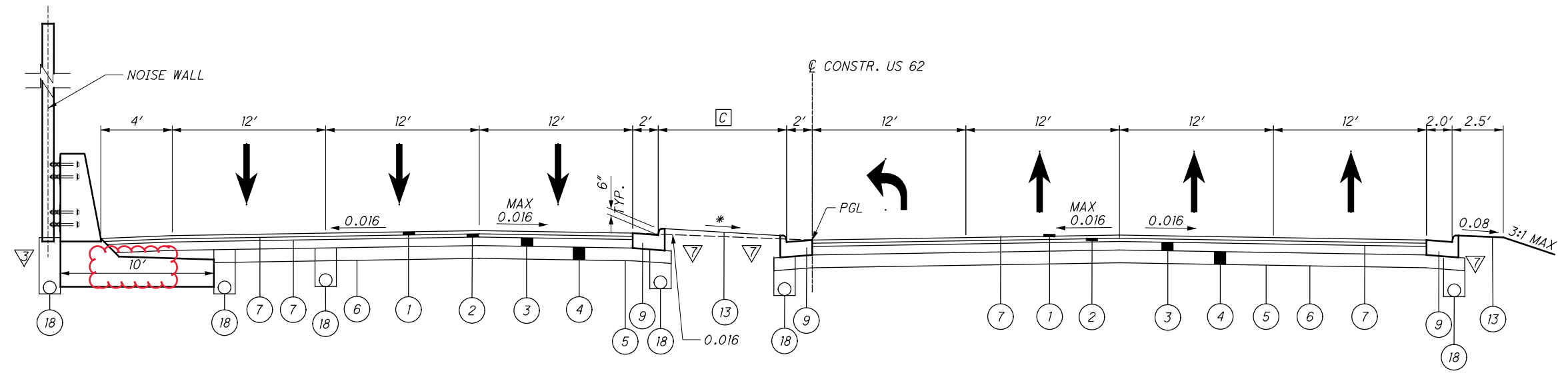
STA - 062 - 24.14

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- A** VARIES 3.37' TO 9.0'
STA. 190+18.38 TO STA. 193+00.00
- B** VARIES 6.17' TO 11.93'
STA. 189+82.88 TO STA. 192+50.00
VARIES 11.93' TO 0.00'
STA. 192+50.00 TO STA. 193+00.00
0.00'
STA. 193+00.00 TO STA. 193+54.00
- C** VARIES 7.0' TO 8.0'
STA. 193+00.00 TO STA. 193+50.00
8.0'
STA. 193+50.00 TO STA. 194+23.92
VARIES 8.0' TO 0.0'
STA. 194+23.92 TO STA. 194+61.00

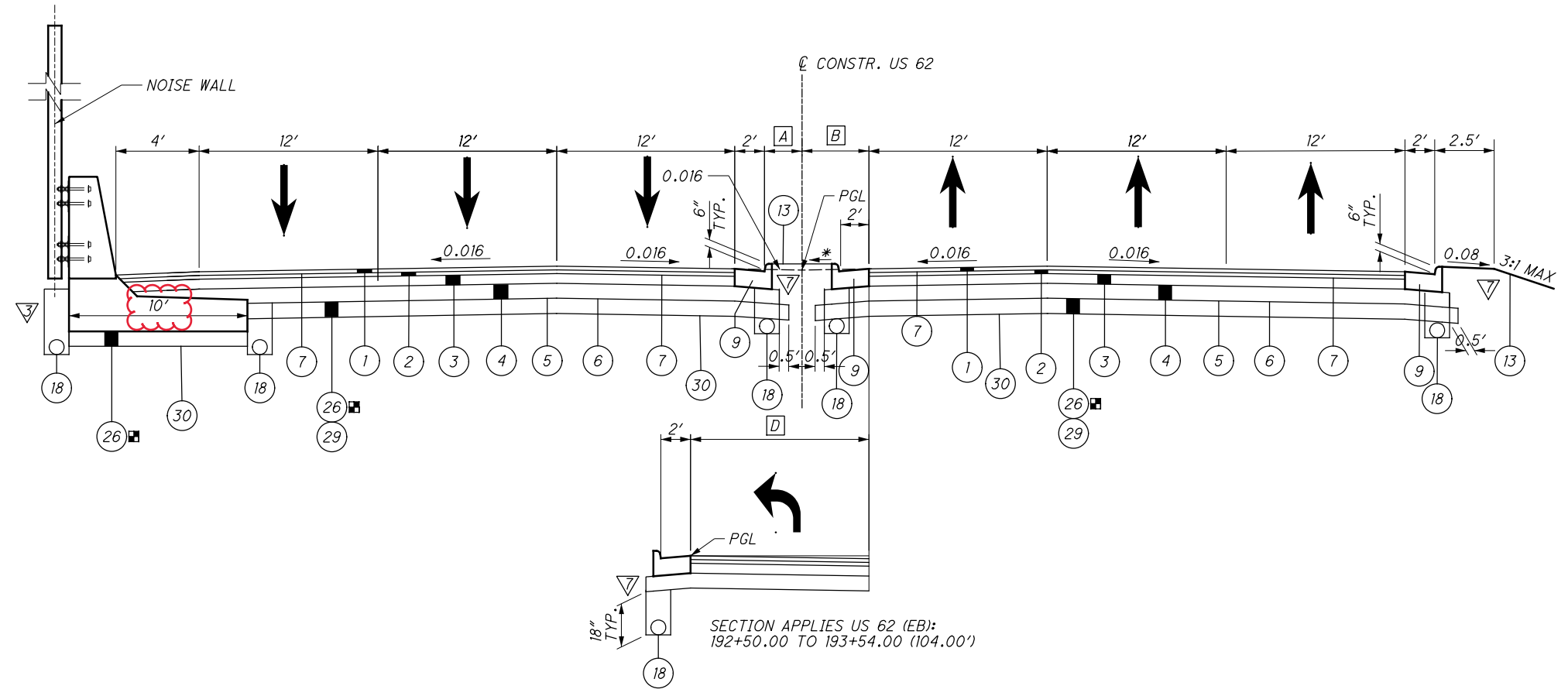
- D** VARIES 0.00' TO 12.00'
STA. 192+50.00 TO STA. 193+00.00

26 ITEM APPLIES:
US 62 (WB) STA. 190+89.38 TO STA. 191+43.00 (53.62')
US 62 (EB) STA. 190+18.38 TO STA. 191+43.00 (124.62')



SUPERELEVATED SECTION - US 62

SECTION APPLIES US 62 (WB):
STA 193+54.00 TO STA 193+89.50 (35.50') SECTION APPLIES US 62 (EB):
STA 192+83.00 TO STA 193+54.00 (71.00')



NORMAL SECTION - US 62

SECTION APPLIES US 62 (WB):
STA 190+89.38 TO STA 193+54.00 (264.62') SECTION APPLIES US 62 (EB):
STA 190+18.38 TO STA 192+83.00 (264.62')

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* MATCH SLOPE OF ADJACENT LANES
⊕ 7.00% MAX. BREAK

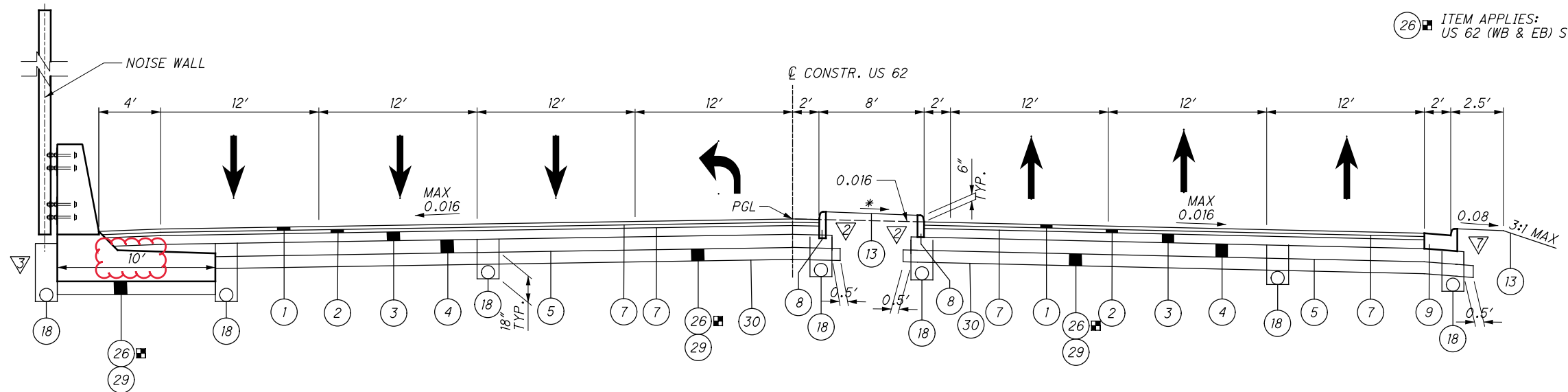
FOR LEGEND AND ASPHALT EDGE
COURSE DETAILS SEE SHEET 10.

TYPICAL SECTIONS - US 62

STA - 062 - 24.14

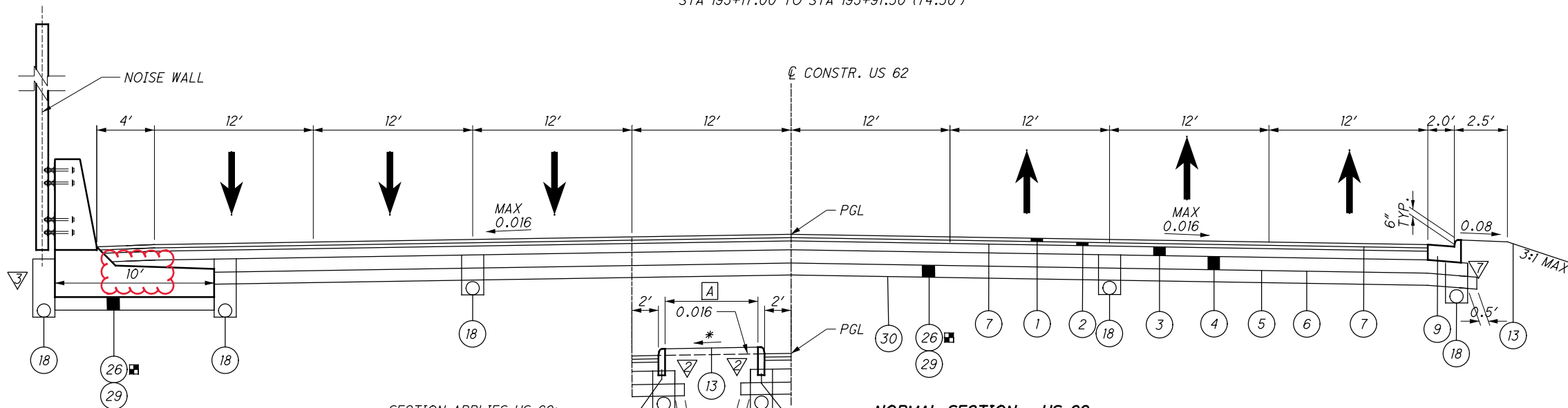
(26) ITEM APPLIES:
US 62 (WB & EB) STA. 195+00.00 TO STA. 196+59.71 (159.71')

A VARIES 7.0' TO 0.0'
STA. 194+23.78 TO STA. 194+61.01



NORMAL SECTION - US 62

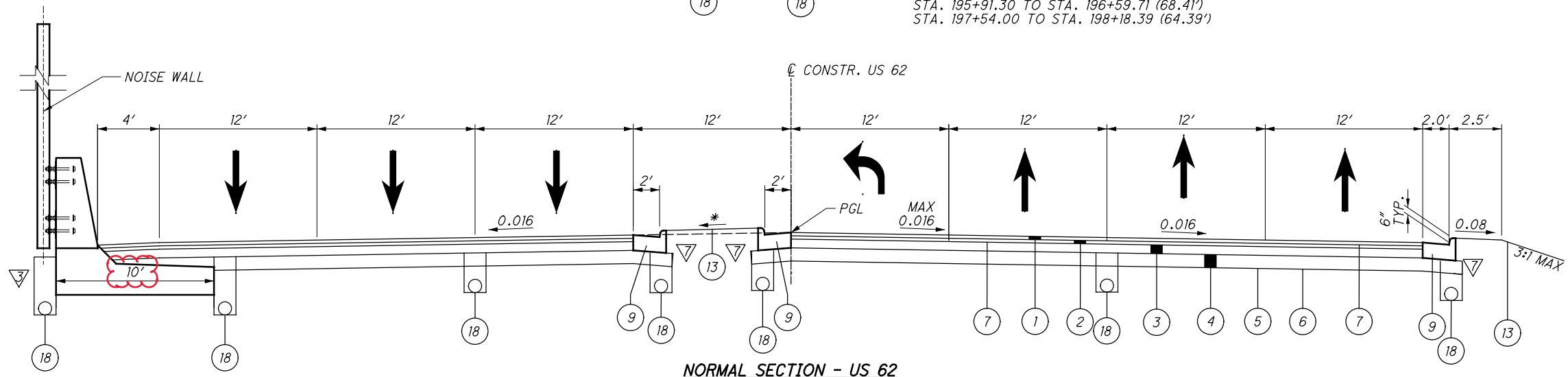
SECTION APPLIES US 62:
STA 195+17.00 TO STA 195+91.30 (74.30')



NORMAL SECTION - US 62

SECTION APPLIES US 62:
STA. 194+25.00 TO STA. 195+17.00 (92.00')
STA. 195+91.30 TO STA. 196+59.71 (68.41')
STA. 197+54.00 TO STA. 198+18.39 (64.39')

SECTION APPLIES US 62:
STA. 194+25.00 TO STA. 194+61.01
(36.01')



NORMAL SECTION - US 62

SECTION APPLIES US 62 (WB):
STA 193+89.50 TO STA 194+25.00
(35.50')

SECTION APPLIES US 62 (EB):
STA 193+54.00 TO STA 194+25.00
(71.00')

* MATCH SLOPE OF ADJACENT LANES

FOR LEGEND AND ASPHALT EDGE
COURSE DETAILS SEE SHEET 10.

TYPICAL SECTIONS - US 62

STA-062-24.14

15
500

ITEM 614 - MAINTAINING TRAFFIC

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES, CURRENT EDITION, LATEST REVISION.

LENGTH AND DURATION OF LANE CLOSURE AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. IT IS THE INTENT TO MINIMIZE THE IMPACT TO THE TRAVELING PUBLIC. LANE CLOSURES OR RESTRICTIONS OVER SEGMENTS OF THE PROJECT IN WHICH NO WORK IS ANTICIPATED WITHIN A REASONABLE TIME FRAME, AS DETERMINED BY THE ENGINEER, SHALL NOT BE PERMITTED. THE LEVEL OF UTILIZATION OF MAINTENANCE OF TRAFFIC DEVICES SHALL BE COMMENSURATE WITH THE WORK IN PROGRESS.

IF IT IS NECESSARY TO STOP ALL TRAFFIC FOR THE ERECTION OF SPAN WIRE, THE WORK SHALL BE SO ARRANGED THAT THE STOPPAGE IS LESS THAN TEN (10) MINUTES IN ANY ONE (1) THIRTY (30) MINUTE PERIOD. TOTAL STOPPAGE OF TRAFFIC SHALL BE LIMITED BETWEEN THE HOURS OF 10:00pm AND 5:00am. NO STOPPAGE OF TRAFFIC SHALL OCCUR FOR THE ERECTION OF SIGNAL SUPPORTS, CUTTING AND INSTALLING LOOP DETECTOR WIRE, OR HANGING SPAN WIRE AND SIGNAL HEADS, WITHOUT A LAW ENFORCEMENT OFFICER WITH A PATROL CAR AT THE SITE FOR ASSISTANCE IN CONTROLLING TRAFFIC. IT SHALL BE THE CONTRACTOR'S RESPONSIBILITY TO PROVIDE THE SERVICES AND SCHEDULING OF SAID LAW ENFORCEMENT OFFICER WITH PATROL CAR.

THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL FLAGS, FLAGGERS, WATCHERS, BARRICADES, SIGNS, SIGN SUPPORTS AND INCIDENTALS RELATED TO TRAFFIC CONTROL.

SIGNS FURNISHED SHALL BE IN NEW OR LIKE NEW CONDITIONS. LIKE NEW SIGNS SHALL BE SUBJECT TO THE APPROVAL OF THE PROJECT ENGINEER. THE CONTRACTOR SHALL BE RESPONSIBLE AT ALL TIMES FOR PROVIDING AND MAINTAINING LIGHTS, SIGNS, AND BARRICADES FOR THE MAINTENANCE OF TRAFFIC AND SAFETY OF HIS/HER WORK AT THE LOCATIONS SHOWN ON THESE PLANS OR AS DIRECTED BY THE ENGINEER.

NO LANE CLOSURE SHALL BE IMPLEMENTED DURING THE HOURS OF 6:00am TO 9:00am OR 4:00pm TO 6:00pm WEEKDAYS. ALL ADVANCE WARNING SIGNS FOR ANY CONDITION WHICH RESTRICTS TRAFFIC SHALL BE ERECTED BEFORE ANY SUCH RESTRICTION IS PUT INTO EFFECT. ALL SUCH SIGNS SHALL BE COVERED OR REMOVED FROM THE VIEW OF TRAFFIC WHEN THEY ARE NOT APPLICABLE, AS DETERMINED BY THE ENGINEER. FOR WORK WHICH IS CONFINED TO THE SHOULDER, TRAFFIC CONTROL SHALL CONFORM TO PLATES 6H-1, 6H-3 AND 6H-4 OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (OMUTCD).

IF THE CONTRACTOR FAILS TO COMPLY WITH THE PROVISIONS FOR TRAFFIC CONTROL AS SET FORTH IN THESE PLANS AND PROVISIONS OF THE OMUTCD AND THE FAILURE RESULTS IN A CONDITION AT THE WORK SITE WHICH IS UNSAFE FOR TRAFFIC, THE ENGINEER SHALL SUSPEND WORK UNTIL THE CONTRACTOR COMPLIES WITH THE NECESSARY REQUIREMENTS.

NO WORK SHALL BE PERFORMED AND ALL EXISTING LANES SHALL BE OPEN TO TRAFFIC DURING THE FOLLOWING DESIGNATED HOLIDAYS OR EVENTS:

CHRISTMAS	FOURTH OF JULY	CANTON FOOTBALL
NEW YEAR'S EVE	LABOR DAY	HALL-OF-FAME WEEK
MEMORIAL DAY	THANKSGIVING	STARK CO. FAIR

THE PERIOD OF TIME THAT THE LANES ARE TO BE OPEN DEPENDS ON THE DAY OF THE WEEK ON WHICH THE HOLIDAY/EVENT FALLS. THE FOLLOWING SCHEDULE SHALL BE USED TO DETERMINE THIS PERIOD:

ITEM 614 - MAINTAINING TRAFFIC (CONTINUED)

DAY OF HOLIDAY	TIME ALL LANES MUST BE OPEN TO TRAFFIC
SUNDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY
MONDAY	12:00N FRIDAY THROUGH 6:00 AM TUESDAY
TUESDAY	12:00N MONDAY THROUGH 6:00 AM WEDNESDAY
WEDNESDAY	12:00N TUESDAY THROUGH 6:00 AM THURSDAY
THURSDAY	12:00N WEDNESDAY THROUGH 6:00 AM FRIDAY
THURSDAY (THANKSGIVING)	6:00 AM WEDNESDAY THROUGH 6:00 AM MONDAY
FRIDAY	12:00N THURSDAY THROUGH 6:00 AM MONDAY
SATURDAY	12:00N FRIDAY THROUGH 6:00 AM MONDAY

SHOULD THE CONTRACTOR FAIL TO MEET ANY OF THESE REQUIREMENTS, THE CONTRACTOR SHALL BE ASSESSED A DISINCENTIVE IN THE AMOUNT OF \$240 FOR EACH MINUTE THE ABOVE DESCRIBED LANE CLOSURE RESTRICTIONS ARE VIOLATED.

ANTICIPATED SHORT DURATION ROAD AND/OR LANE CLOSURES SHALL BE STAGGERED TO THE EXTENT PRACTICABLE TO MINIMIZE DISRUPTION TO THE TRAVELING PUBLIC. ALL SHORT DURATION ROAD AND/OR LANE CLOSURES SHALL BE COORDINATED WITH AND APPROVED BY THE PROJECT ENGINEER.

WEEKEND CLOSURES AND LANE RESTRICTIONS SHALL NOT OCCUR DURING CANTON FOOTBALL HALL-OF-FAME WEEK AND DURING THE STARK COUNTY FAIR.

NOTICE OF CLOSURE SIGNS (W20-H13) SHALL BE ERECTED BY THE CONTRACTOR PRIOR TO THE SCHEDULED ROAD OR RAMP CLOSURE IN ACCORDANCE WITH THE NOTICE OF CLOSURE TIME TABLE BELOW. AT THE APPROVAL OF THE ENGINEER, PORTABLE CHANGEABLE MESSAGE SIGNS MAY BE USED IN LIEU OF THE STANDARD FLATSHEET SIGN FOR CLOSURE DURATIONS OF LESS THAN 1 WEEK.

THE SIGNS SHALL BE ERECTED ON THE RIGHT-HAND SIDE OF THE ROAD/RAMP FACING TRAFFIC. THEY SHALL BE PLACED SO AS NOT TO INTERFERE WITH THE VISIBILITY OF ANY OTHER TRAFFIC CONTROL SIGNS. ON ROADWAYS, THEY SHOULD BE ERECTED AT OR NEAR THE POINT OF CLOSURE. THE SIGNS MAY BE ERECTED ANYWHERE ON RAMPS AS LONG AS THEY ARE VISIBLE TO THE MOTORISTS USING THE RAMP. ON ENTRANCE RAMPS, THE SIGN SHALL BE ERECTED WELL IN ADVANCE OF THE MERGE AREA TO AVOID DISTRACTING MOTORISTS.

NOTICE OF CLOSURE SIGN TIME TABLE

ITEM	DURATION OF CLOSURE	SIGN DISPLAYED TO PUBLIC
RAMPS & ROAD CLOSURES	>= 2 WEEKS	14 CALENDAR DAYS PRIOR TO CLOSURE
	> 12 HOURS & < 2 WEEKS	7 CALENDAR DAYS PRIOR TO CLOSURE
	<= 12 HOURS	2 BUSINESS DAYS PRIOR TO CLOSURE

THE SIGN SHALL DISPLAY THE DATE OF THE CLOSURE IN MMM-DD FORMAT AND THE NUMBER OF DAYS OF THE CLOSURE. THE LAST LINE OF THE W20-H13 SIGN LISTS A PHONE NUMBER WHICH A MOTORIST MAY CALL FOR ADDITIONAL INFORMATION. THIS IS TO BE A SPECIFIC OFFICE WITHIN THE DISTRICT RATHER THAN THE GENERAL SWITCHBOARD NUMBER.

WINTER TIME LIMITATIONS

ALL EXISTING LANES, INCLUDING RAMPS, SHALL BE OPEN AND AVAILABLE TO TRAFFIC IN THE ORIGINAL OR PROPOSED FINAL ALIGNMENT BETWEEN NOVEMBER 15 TO APRIL 1. SHOULD THE CONTRACTOR FAIL TO MEET THESE REQUIREMENTS, A DISINCENTIVE SHALL BE ASSESSED IN THE AMOUNT OF \$240 PER MINUTE.

ITEM 614 - MAINTAINING TRAFFIC (CONTINUED)

THE CONTRACTOR SHALL PROVIDE, ERECT AND MAINTAIN STANDARD 48 X 30 INCH "ROAD CLOSED" SIGNS, SIGN SUPPORTS, BARRICADES AND LIGHTS, AS DETAILED IN SCD MT-101.60 AT THE FOLLOWING LOCATIONS DURING PERIODS IN WHICH THE AFFECTED ROADS ARE CLOSED TO TRAFFIC.

- GIBBS AVENUE NE NORTH OF US 62
- ST ELMO AVENUE NE AT 31 ST STREET NE
- GROSS AVENUE NE NORTH OF US 62
- MAPLE AVENUE NE SOUTH OF 31 ST STREET NE
- ROWLAND AVENUE NE SOUTH OF 31 STREET NE
- MAPLE AVENUE NE SOUTH OF US 62
- ST ELMO AVENUE NE NORTH OF MILFORD PLACE NE

ALL WORK AND TRAFFIC CONTROL DEVICES SHALL BE IN ACCORDANCE WITH CMS 614 AND OTHER APPLICABLE PORTIONS OF THE SPECIFICATIONS, AS WELL AS THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. PAYMENT FOR ALL LABOR, EQUIPMENT AND MATERIALS SHALL BE INCLUDED IN THE LUMP SUM CONTRACT PRICE FOR ITEM 614, MAINTAINING TRAFFIC, UNLESS SEPARATELY ITEMIZED IN THE PLAN.

DISINCENTIVES

DISINCENTIVES SHALL BE ASSESSED IN THE AMOUNT SHOWN FOR THE TIME DURATIONS FOR EACH CRITICAL SECTION AND/OR PHASE WORK OPERATION ARE OVERRAN. CRITICAL SECTIONS AND PHASE WORK OPERATIONS AND THEIR RESPECTIVE TIME DURATIONS ARE DEFINED IN VARIOUS PLAN NOTES.

US 62 - \$240 PER MINUTE
ROWLAND/ST. ELMO/MAPLE - \$120 PER MINUTE

DETOUR NOTIFICATION

THE CONTRACTOR SHALL ADVISE THE ODOT DISTRICT OFFICE (330-786-3148), CITY OF CANTON (330-489-3381), AND PLAIN TOWNSHIP (330-492-3423) EIGHTEEN (18) DAYS IN ADVANCE OF WHEN THE DETOUR ROUTE SHOULD BE IN EFFECT. ALL WORK ZONE DEVICES REQUIRED SHALL BE FURNISHED, ERECTED, MAINTAINED, AND SUBSEQUENTLY REMOVED BY THE CONTRACTOR. PAYMENT FOR ALL WORK ASSOCIATED WITH THE DETOUR SHALL BE INCLUDED UNDER THE LUMP SUM BID FOR ITEM 614, DETOUR SIGNING.

STORM DRAIN CONSTRUCTION

THE CONTRACTOR IS RESPONSIBLE FOR MAINTAINING POSITIVE DRAINAGE THROUGHOUT CONSTRUCTION BY UTILIZING EXISTING, PERMANENT, AND TEMPORARY DRAINAGE STRUCTURES AND CONDUIT. FOR PROPOSED STORM PIPE RUNS THAT NEEDS TO BE INSTALLED IN SEPARATE PHASES AND STUBBED, TEMPORARILY PLUG THE PROTRUDING CONDUIT WITH A MANUFACTURED CAP. ANY LANE CLOSURES REQUIRED FOR DRAINAGE CONSTRUCTION, IN ADDITION TO THOSE PROVIDED IN THE PLANS, SHALL BE IMPLEMENTED AS PER THE CURRENT EDITION OF THE OMUTCD AND THE CURRENT STANDARD CONSTRUCTION DRAWINGS, AND SHALL REQUIRE FINAL WRITTEN APPROVAL BY THE ENGINEER. ANY TRAFFIC LANES REQUIRING TEMPORARY CLOSURE SHALL BE REOPENED AT THE END OF THE WORK DAY.

THE USE OF TEMPORARY PAVEMENT, OTHER THAN THE TEMPORARY PAVEMENT SHOWN IN THE PLAN SHEETS, IS NOT ANTICIPATED FOR THE CONSTRUCTION OF STORM SEWER SYSTEMS. ADDITIONAL TEMPORARY PAVEMENT, IF USED, IS THE RESPONSIBILITY OF THE CONTRACTOR.

TEMPORARY DRAINAGE CONNECTIONS ARE SHOWN IN THE PLANS FOR USE BY THE CONTRACTOR DURING CONSTRUCTION BASED UPON THE MAINTENANCE OF TRAFFIC PLANS. THE CONTRACTOR SHALL PROVIDE TEMPORARY FACILITIES TO ADEQUATELY DRAIN THE WORK SITE DURING ALL PHASES OF CONSTRUCTION. THE CONTRACTOR SHALL REFER TO PLAN SHEETS FOR DISPOSITION OF DRAINAGE FACILITIES AFFECTED BY TEMPORARY PAVEMENT INSTALLED AS PART OF THE MOT PHASING. ANY TEMPORARY DRAINAGE WORK NOT SEPARATELY ITEMIZED IN THE PLANS SHALL BE INCLUDED UNDER ITEM 614 - MAINTAINING TRAFFIC.

MAINTENANCE OF TRAFFIC

THIS ITEM SHALL CONSIST OF MAINTENANCE OF TRAFFIC ON EXISTING ROADWAYS AND RAMPS IN ACCORDANCE WITH THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS, CURRENT EDITION, LATEST REVISION, THE SPECIFICATIONS AND THE FOLLOWING:

- A MINIMUM OF ONE TEN FOOT LANE IN EACH DIRECTION SHALL BE MAINTAINED ON THE EXISTING PAVEMENT OR COMPLETED PAVEMENT DURING CONSTRUCTION OF THE WORK.
- THE CONTRACTOR SHALL INFORM THE DISTRICT OFFICE (330) 786-2208, EIGHTEEN (18) DAYS PRIOR TO THE BEGINNING OF WORK.
- ONLY DURING OFF-PEAK PERIODS (ie ANY PERIOD OTHER THAN 6-9AM AND 4-6PM) SHALL THE CONTRACTOR INSTALL AND SUBSEQUENTLY RESET ALL TRAFFIC CONTROL NECESSARY FOR THE WORK ZONE FOR EACH CONSTRUCTION PHASE.
- A QUANTITY OF 15 CU. YDS. OF ITEM 614 ASPHALT CONCRETE FOR MAINTAINING TRAFFIC SHALL BE PROVIDED FOR USE IN MAINTAINING PAVEMENT, SHOULDERS AND OTHER LOCATIONS AS DIRECTED BY THE ENGINEER.
- PRIOR TO OPENING TO TRAFFIC EACH LANE SHALL BE IN A SAFE, PASSABLE CONDITION. ALL TRANSVERSE JOINTS SHALL EXTEND ACROSS THE FULL LANE AND SHOULDER WIDTH AND EACH LANE SHALL BE FREE FROM UNEVEN LONGITUDINAL JOINTS. THE CONTRACTOR SHALL PROVIDE ASPHALT WEDGES FOR TRANSVERSE JOINTS WHEREVER THERE ARE PAVEMENT ELEVATION DIFFERENCES.

US 62 MAY BE REDUCED TO A SINGLE LANE DURING CERTAIN PHASES AS SHOWN IN THE PLANS FOR STORM SEWER INSTALLATIONS/CONNECTIONS, WORK AREAS THAT REQUIRE ADDITIONAL BUFFER, OR TO COMPLETE MINOR WORK AREAS FOR USE IN SUBSEQUENT PHASES. LENGTH AND DURATION OF LANE CLOSURE AND RESTRICTIONS SHALL BE AT THE APPROVAL OF THE ENGINEER. THE FOLLOWING NUMBER OF LANES AND WIDTH SHALL BE MAINTAINED AT ALL TIMES, EXCEPT AS ALLOWED BY THE PERMITTED LANE CLOSURE TIMES NOTE OR AS OTHERWISE SHOWN IN THE PLANS, BY USE OF EXISTING, COMPLETED PERMANENT AND TEMPORARY PAVEMENT.

ROAD:	# OF LANES	LANE WIDTH
US 62 EASTBOUND	2/DIRECTION*	10-FOOT (MIN)
US 62 WESTBOUND	2/DIRECTION*	10-FOOT (MIN)
ALL OTHER ROADS	2 ◇	10-FOOT (MIN)

* EXCEPT DURING PERMITTED LANE CLOSURE HOURS AND WHEN SHOWN ON PLANS AS A SINGLE LANE
◇ OR SINGLE LANE W/ FLAGGER PER SCD

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SHEET NUM.											PART.			ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
26	28	29	34	40	139	145	154	155	334	335	01/S>2/PV	02/S>2/OT/CANT	03/S>2/ CV						
																	DRAINAGE (CONT.)		
	20										20			611	97400	20	FT	CONDUIT, MISC.: TYPE F FOR DRAINAGE DISCHARGE CONTINUANCE	28
						12					12			611	98150	12	EACH	CATCH BASIN, NO. 3	
						3					3			611	98151	3	EACH	CATCH BASIN, NO. 3, AS PER PLAN	330
						29					29			611	98180	29	EACH	CATCH BASIN, NO. 3A	
						12					12			611	98181	12	EACH	CATCH BASIN, NO. 3A, AS PER PLAN	330
						5					5			611	98370	5	EACH	CATCH BASIN, NO. 6	
				1							1			611	98390	1	EACH	CATCH BASIN, NO. 7	
						3					3			611	98410	3	EACH	CATCH BASIN, NO. 8	
				4		15					19			611	98470	19	EACH	CATCH BASIN, NO. 2-2B	
						3					3			611	98510	3	EACH	CATCH BASIN, NO. 2-3	
						1					1			611	98540	1	EACH	CATCH BASIN, NO. 2-4	
						3					3			611	99095	3	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE B, AS PER PLAN	329
						4					4			611	99110	4	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE C1	
						6					6			611	99114	6	EACH	INLET, NO. 3 FOR SINGLE SLOPE BARRIER, TYPE D	
						12					12			611	99574	12	EACH	MANHOLE, NO. 3	
						1					1			611	99582	1	EACH	MANHOLE, NO. 3 WITH 90" BASE I.D. AND 8" WEIR	
						1					1			611	99586	1	EACH	MANHOLE, NO. 3 WITH 108" BASE I.D. AND 12" WEIR	
						2					2			611	99654	2	EACH	MANHOLE ADJUSTED TO GRADE	
						3					3			611	99660	3	EACH	MANHOLE RECONSTRUCTED TO GRADE	
		10					1				11			611	99710	11	EACH	PRECAST REINFORCED CONCRETE OUTLET	
	4										4			611	99720	4	EACH	INSPECTION WELL	
						68					68			SPECIAL	61199830	68	FT	TRENCH DRAIN	28
						1					1			895	10020	1	EACH	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 2	
						1					1			895	10040	1	EACH	MANUFACTURED WATER QUALITY STRUCTURE, TYPE 4	
																		PAVEMENT	
						8,320					8,320			302	46000	8,320	CY	ASPHALT CONCRETE BASE, PG64-22	
						9,445					9,445			304	20000	9,445	CY	AGGREGATE BASE	25
						6,403					6,403			407	20000	6,403	GAL	NON-TRACKING TACK COAT	
						37					37			441	50000	37	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), PG64-22	
						38					38			441	50300	38	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	
						2,990					2,990			442	00100	2,990	CY	ANTI-SEGREGATION EQUIPMENT	
			1			2,033					2,034			442	10001	2,034	CY	ASPHALT CONCRETE SURFACE COURSE, 12.5 MM, TYPE A (446), AS PER PLAN, PG70-22M	25
						2,416					2,416			442	10100	2,416	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, 19 MM, TYPE A (446)	
						654					654			452	10010	654	SY	6" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC IP	
						866					866			452	12050	866	SY	8" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC MS	
						781					781			452	14110	781	SY	11" NON-REINFORCED CONCRETE PAVEMENT, CLASS QC IP	
					8,321						8,321			609	2000	8,321	FT	COMBINATION CURB AND GUTTER, TYPE 2	
					1,671						1,671			609	24510	1,671	FT	CURB, TYPE 4-C	
					1,708						1,708			609	26000	1,708	FT	CURB, TYPE 6	
	15,330										15,330			872	10000	15,330	FT	VOID REDUCING ASPHALT MEMBRANE (VRAM)	26
																		WATER WORK	
							75				75			202	75611	75	EACH	VALVE BOX REMOVED, AS PER PLAN	350
							206				206			613	41200	206	CY	LOW STRENGTH MORTAR BACKFILL	
								5		5				632	64950	5	EACH	TEST HOLE PERFORMED	
							140				140			638	06708	140	FT	24" STEEL PIPE ENCASEMENT, OPEN CUT	350
							76				76			638	06912	76	FT	48" STEEL PIPE ENCASEMENT, OPEN CUT	350
							80				80			638	07320	80	FT	48" STEEL PIPE ENCASEMENT, BORED OR JACKED	
							1				1			638	10800	1	EACH	VALVE BOX ADJUSTED TO GRADE	335
							4				4			SPECIAL	63820538	4	EACH	6" GATE VALVE WITH VALVE BOX, COMPLETE (CANTON)	349
							4				4			SPECIAL	63820586	4	EACH	12" GATE VALVE WITH VALVE BOX, COMPLETE (CANTON)	349
							1				1			SPECIAL	63820738	1	EACH	2" AIR RELEASE VALVE (CANTON)	350
							5				5			SPECIAL	63820750	5	EACH	6" FIRE HYDRANT, COMPLETE (CANTON)	349
							2				2			SPECIAL	63820760	2	EACH	FIRE HYDRANT REMOVED AND DISPOSED OF (CANTON)	335
							2				2			638	98000	2	EACH	WATER WORK, MISC.: 36" BUTTERFLY VALVE WITH VALVE BOX, COMPLETE (CANTON)	335
							2				2			638	98000	2	EACH	WATER WORK, MISC.: 11.25° - 12" DIP BEND FITTING	349
							4				4			638	98000	4	EACH	WATER WORK, MISC.: 11.25° - 36" DIP BEND FITTING, TR-FLEX	349
							2				2			638	98000	2	EACH	WATER WORK, MISC.: 22.5° - 12" DIP BEND FITTING	349
							4				4			638	98000	4	EACH	WATER WORK, MISC.: 22.5° - 36" DIP BEND FITTING, TR-FLEX	349
							4				4			638	98000	4	EACH	WATER WORK, MISC.: 45° - 6" DIP BEND FITTING	349

CALCULATED MSW CHECKED GAH
GENERAL SUMMARY
STA - 062 - 24.14
 124
 500

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ESTIMATED QUANTITIES SHEET NO.

	606		606	606	606	606	606		608	608	608		609	609	609	
	GUARDRAIL, TYPE MGS		ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL)		5" CONCRETE WALK	CONCRETE STEPS, TYPE B	CURB RAMP		COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 4-C	CURB, TYPE 6	
	FT		EACH	EACH	EACH	EACH	EACH		SF	FT	SF		FT	FT	FT	
140	975.0		2	2	2	2	2		102.9		412.3		4,149.0	1,366.3	694.5	
141	75.0		2	2	2				1,935.8		243.5		1,381.0	305.2	1,013.8	
142									7,542.7	4.5	326.4		2,791.0			
TOTALS CARRIED TO GENERAL SUMMARY																
	1,050.0		4	4	4	2	2		9,581	5	982		8,321	1,671	1,708	

ROADWAY SUBSUMMARY	CALCULATED
	MSW CHECKED GAH
STA - 062 - 24.14	139 500

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SHEET NO.		REFERENCE NO.	ALIGNMENT	STATION		SIDE	606	606	606	606	606	606		608	608		609	609	609		
BEGIN	END			FROM	TO		GUARDRAIL, TYPE MGS	ANCHOR ASSEMBLY, MGS TYPE E (MASH 2016)	ANCHOR ASSEMBLY, MGS TYPE T	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 2	IMPACT ATTENUATOR, TYPE 2 (BIDIRECTIONAL)	5" CONCRETE WALK	CURB RAMP		COMBINATION CURB AND GUTTER, TYPE 2	CURB, TYPE 4-C	CURB, TYPE 6			
							FT	EACH	EACH	EACH	EACH	EACH		SF	SF		FT	FT	FT		
161		GR-1	US 62 WB (1)	3172+08.03	3174+56.80	LT	200.0	1													
163		GR-2	US 62 EB (1)	2171+85.00	2173+34.87	RT	137.5		1												
165	166	GR-3	US 62	182+87.16	186+50.25	LT	350.0			1	1										
165	166	C-1	US 62	182+87.20	186+50.25																372.4
166		C-2	US 62	188+73.54	189+04.75	RT															
166	167	C-3	US 62	189+35.74	196+14.51	RT															70.0
166		C-4	US 62	189+80.00	190+30.00	LT/RT															
166	167	C-34	US 62	190+30.00	194+23.78	LT															77.5
166	167	C-35	US 62	190+05.00	194+23.78	LT/RT															394.0
166		IA-1	US 62	189+00.00		CTR															420.2
167	168	C-5	US 62	195+17.00	195+91.30	RT															
167		C-36	US 62	194+23.78	194+61.01	LT															157.7
168	169	C-6	US 62	196+41.47	201+90.31	LT															466.6
168		C-7	US 62	196+59.71	197+54.00	LT															
168	169	C-8	US 62	196+51.56	201+90.31	RT															192.3
168		C-9	US 62	198+18.39	198+51.52	RT															
168	169	C-37	US 62	198+51.52	201+90.31	LT/RT															340.3
168	169	C-38	US 62	198+20.40	201+90.31	RT															369.8
168		W-1	US 62	196+62.55	196+75.45	RT								102.9							
168		W-2		NOT USED																	
168		W-3		NOT USED																	
168		CR-1	US 62	196+74.75		LT															73.5
168		CR-2	US 62	196+74.70		LT															80.9
168		CR-3		NOT USED																	
168		CR-4	US 62	196+75.12		RT															92.3
168		CR-7	ST. ELMO AVE. NE	30+33.33		LT															73.3
168		CR-8	ST. ELMO AVE. NE	30+32.94		RT															92.3
170	171	C-10	US 62 WB (2)	206+30.24	210+31.57	LT															
170		IA-2	US 62 WB (2)	205+44.77		RT															
170		C-39	US 62 WB (2)	201+91.31	205+95.69	LT															424.2
170		C-40	US 62 WB (2)	201+91.31	204+16.19	LT															227.1
170		C-41	US 62 WB (2)	203+66.87	204+65.85	LT/RT															
171		GR-4	US 62 WB (2)	207+59.27	210+31.57	LT	262.5		1		1										417.0
172		C-42	US 62 EB (2)	201+91.31	203+66.87	LT															178.4
172	173	C-43	US 62 EB (2)	201+91.31	205+98.49	RT															
173	174	C-11	US 62 EB (2)	206+29.20	211+67.04	RT															
173		GR-5	US 62 EB (2)	210+78.21	211+65.95	LT	25.0	1		1											558.7
174		C-12	US 62 EB (2)	211+47.13	211+65.33	LT															
SUBTOTAL CARRIED TO SHEET 139							975.0	2	2	2	2	2		102.9	412.3		4,149.0	1,366.3	694.5		

CALCULATED	MSW	CHECKED	GAH		
ROADWAY ESTIMATED QUANTITIES					
STA - 062 - 24.14					
<table border="1"> <tr> <td>140</td> </tr> <tr> <td>500</td> </tr> </table>				140	500
140					
500					