

ROUNDING

THE ROUNDING AT SLOPE BREAKPOINTS SHOWN ON THE TYPICAL SECTIONS APPLIES TO ALL CROSS-SECTIONS EVEN THOUGH OTHERWISE SHOWN.

UTILITIES

LISTED BELOW ARE ALL UTILITIES LOCATED WITHIN THE PROJECT CONSTRUCTION LIMITS TOGETHER WITH THEIR RESPECTIVE OWNERS:

BUCKEYE CABLEVISION
2700 OREGON RD.
NORTHWOOD, OH 43519
419-724-3713

COLUMBIA GAS OF OHIO, INC.
2901 E. MANHATTAN BLVD.
TOLEDO, OH 43611
419-539-6066

CENTURYLINK
175 ASHLAND RD.
MANSFIELD, OH 44902
419-755-7183

FRONTIER COMMUNICATIONS
300 WEST GYPSY LANE RD.
BOWLING GREEN, OH 43402
419-354-9452

HANCOCK-WOOD ELECTRIC COOP.
P.O. BOX 190
NORTH BALITMORE, OH 45872
419-257-5015

NORTH COAST GAS TRANSMISSION
445 HUTCHINSON AVE. #830
COLUMBUS, OH 43215
281-770-3143

NORTHWESTERN WATER & SEWER
P.O. BOX 348
BOWLING GREEN, OH 43402
419-354-9090

TOLEDO EDISON
6099 ANGOLA RD.
HOLLAND, OH 43528
419-249-5218

VILLAGE OF BRADNER
130 NORTH MAIN ST.
P.O. BOX 599
BRADNER, OH 43406
419-288-2890

WORK LIMITS

THE WORK LIMITS SHOWN ON THESE PLANS ARE FOR PHYSICAL CONSTRUCTION ONLY. PROVIDE THE INSTALLATION AND OPERATION OF ALL WORK ZONE TRAFFIC CONTROL AND WORK ZONE TRAFFIC CONTROL DEVICES REQUIRED BY THESE PLANS WHETHER INSIDE OR OUTSIDE THESE WORK LIMITS.

PROFILE AND ALIGNMENT

PLACE THE PROPOSED PAVEMENT TO FOLLOW THE ALIGNMENT AND PROFILE OF THE EXISTING PAVEMENT. PLACE THE PROPOSED ASPHALT CONCRETE OVERLAY AS SHOWN ON THE TYPICAL SECTIONS.

ASPHALT CONCRETE FOR DRIVEWAYS AND MAILBOX APPROACHES

THE FOLLOWING ESTIMATED QUANTITY FOR ASPHALT CONCRETE IS TO BE USED FOR ADJUSTING DRIVEWAYS & ANY MAILBOX APPROACHES AS DIRECTED BY THE ENGINEER:

ITEM 442 - ASPH. CONC. SURFACE, 12.5MM, TYPE A (446) 200 CU. YARD

TOTALS CARRIED TO GENERAL SUMMARY

THE PROJECT WILL NOT BE CONSIDERED COMPLETE UNTIL ALL DRIVEWAYS HAVE BEEN TREATED AS DIRECTED BY THE ENGINEER.

ELEVATION DATUM

ALL ELEVATIONS ARE ORTHOMETRIC HEIGHTS USING THE NORTH AMERICAN VERTICAL DATUM OF 1998 (NAVD88) AND GEOID03 GEOID (GPS DERIVED). HORIZONTAL POSITIONS ARE BASED ON THE OHIO STATE PLANE NORTH ZONE, A LAMBERT CONFORMAL CONIC MAP PROJECTION, THE NORTH AMERICAN DATUM OF 1983 ADJUSTED TO THE NATIONAL SPATIAL REFERENCE SYSTEM OF 2011 (NAD 83(NSRS 2011)), AND THE GRS80 ELLIPSOID.

EXISTING MONUMENT BOXES

DURING CONSTRUCTION, IF THE CONTRACTOR REMOVES OR DISTURBS ANY MONUMENT BOX ASSEMBLIES, THE CONTRACTOR SHALL HAVE A REGISTERED SURVEYOR CERTIFY THAT THE MONUMENTS HAVE BEEN RESET AT THE ORIGINAL LOCATION AS PER OHIO ADMINISTRATIVE CODE, CHAPTER 4733-37, STANDARDS FOR BOUNDARY SURVEYS. THE CONTRACTOR SHALL FORWARD A COPY OF SAID CERTIFICATION TO THE PROJECT ENGINEER, AND THE DISTRICT SURVEY OOPERATIONS MANAGER FOR REVIEW. THE CERTIFICATION SHALL BE SIMILAR TO THE FOLLOWING:

I, JOHN D. DOE, P.S. HEREBY CERTIFY THAT THE CENTERLINE MONUMENTATION HAS BEEN RESET AT THE PRECONSTRUCTION LOCATRIONS DURING PROJECT CTY-RT-SEC, PID 000000. ALL OF MY WORK CONTAINED HEREIN WAS CONDUCTED IN ACCORDANCE WITH OHIO ADMINISTRATIVE CODE 4733-37 COMMONLY KNOWN AS "A MINIMUM STANDARDS FOR BOUNDARY SURVEYS IN THE STATE OF OHIO" UNLESS OTHERWISE NOTED. THE WORDS I AND MY, AS USED HEREIN, ARE TO MEAN MYSELF OR SOMEONE UNDER MY DIRECT SUPERVISION.

ALL SURVEY MONUMENTS SET AND/OR RESET BY THE CONTRACTOR'S SURVEYOR SHALL BE CONSTRUCTED ACCORDING TO SCD RM-1.1.

ALL COSTS ASSOCIATED WITH THE RE-SETTING OF THE MONUMENT BOXES SHALL BE AT THE CONTRACTORS' EXPENSE.

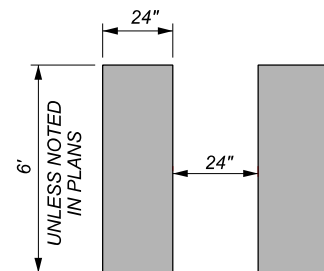
ITEMS ADJUSTED TO GRADE

THE FOLLOWING ITEMS HAVE BEEN CARRIED IN THE PLANS AS CONTINGENCY QUANTITIES AND SHOULD BE USED AS DIRECTED BY THE ENGINEER.

ITEM 623, MONUMENT BOX ADJUSTED TO GRADE 1 EACH

ITEM 644, CROSSWALK LINE, AS PER PLAN

24" WHITE LONGITUDINAL LINES SHALL BE PLACED PARALLEL TO TRAFFIC FLOW AS SHOWN IN FOLLOWING DETAIL. THE MARKING DESIGN SHOULD AVOID THE WHEEL PATHS.



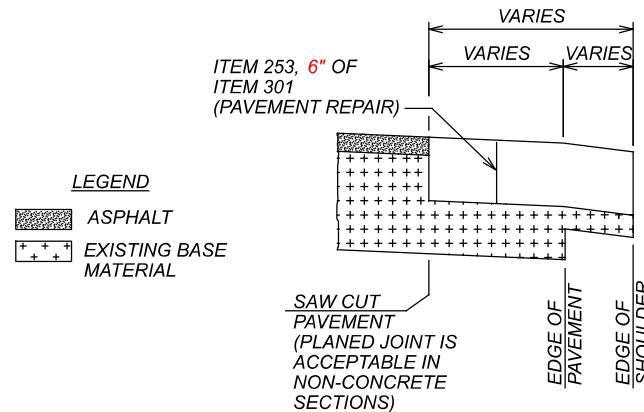
ITEM 253, PAVEMENT REPAIR

PAVEMENT SHALL BE PLANED BEFORE PAVEMENT REPAIRS ARE PERFORMED.

THE FOLLOWING ESTIMATED QUANTITIES ARE TO BE USED FOR 6" PAVEMENT REPAIR ON U.S. 23 AS DIRECTED BY THE ENGINEER BASED ON 15% OF THE PAVEMENT AREA.

ITEM 253, PAVEMENT REPAIR 2556 CU. YARDS

ESTIMATED QUANTITIES CARRIED TO THE GENERAL SUMMARY.



NOTE: THE ENGINEER SHALL FIELD VERIFY ALL LOCATIONS PRIOR TO THE BEGINNING OF WORK. ANY ADJUSTMENTS NECESSARY SHALL BE AS DIRECTED BY THE ENGINEER.

SAFETY EDGE

ITEM 442 - ASPH. CONC. SURFACE, 12.5MM, TYPE A (446)
ITEM 442 - ASPH. CONC. INTERMEDIATE CONC., 19MM, TYPE A (446)

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR CONSTRUCTION OF THE SAFETY EDGE:

WOOD - U.S. 23 (6.02-11.84)
ITEM 442 - ASPH. CONC. SURFACE, 12.5MM, TYPE A (446) 26 CU. YD.
ITEM 442 - ASPH. CONC. INTERMEDIATE CONC., 19MM, TYPE A (446) 62 CU. YD.

ITEM 209, PREPARING SUBGRADE FOR SHOULDER PAVING

THE FOLLOWING QUANTITIES HAVE BEEN CARRIED TO THE GENERAL SUMMARY FOR ITEM 209, PREPARING SUBGRADE FOR CONSTRUCTION OF THE SAFETY EDGE:

WOOD - U.S. 23 (6.02-11.84)
11.64 MILES
-1.34 MILES (GUARDRAIL, DRIVE & CURB AREAS)
10.30 MILES

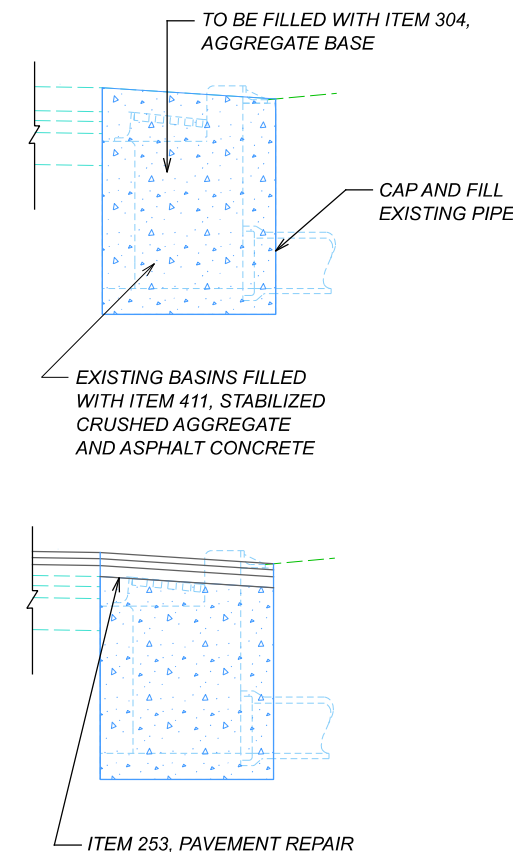
A QUANTITY OF 10.30 MILES HAS BEEN CARRIED TO THE GENERAL SUMMARY FOR PREPARING SUBGRADE FOR SHOULDERS.

ITEM 611, CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN

ALL WORK TO BE DONE UNDER THIS ITEM, TOGETHER WITH ALL THE MATERIALS FURNISHED, SHALL CONFORM TO ODOT ITEM 611. THE CATCH BASIN GRATE WILL BE REPLACED WITH A BICYCLE SAFE GRATE. THE COST OF ALL MATERIAL AND LABOR SHALL BE INCLUDED AS PART OF THE UNIT PRICE BID FOR ITEM 611, CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN.

ITEM 611, CATCH BASIN REMOVED, AS PER PLAN

REMOVE PORTIONS OF CATCH BASINS TO AN ELEVATION BELOW THE EXISTING SUBGRADE AND UNTIL SOLID CONCRETE/MASONRY WALLS ARE ENCOUNTERED. PLUG ALL OUTLETS. REMOVE ALL FOREIGN DEBRIS FROM BASIN. IN CONJUNCTION WITH THE CONDUIT, FILL AND PLUG ITEM, FILL THE REMAINING BASIN WITH LSM. BACKFILL ABOVE THE LSM WITH ITEM 304, AGGREGATE BASE COMPACTED IN 6" LIFTS TO SUBBASE LEVEL. REPLACEMENT OF ASPHALT PAVEMENT IN AREA OF BASIN REMOVAL WILL BE COVERED UNDER APPROPRIATE PAY ITEMS FOR PAVEMENT REPAIRS.



ITEM 202, CURB AND GUTTER REMOVED, AS PER PLAN

ITEM 202 CURB AND GUTTER REMOVED, AS PER PLAN SHALL INCLUDE THE REMOVAL OF THE CURB & GUTTER AND REPLACING THE VOID WITH ASPHALT UP TO THE EXISTING ELEVATION. THE ASPHALT WILL BE PAID FOR UNDER ITEM 253, PAVEMENT REPAIR.

GENERAL NOTES

DESIGN AGENCY



DESIGNER

TLM

REVIEWER

JMF 11-02-20

PROJECT ID

102922

SHEET TOTAL

P.5 20

DRAINAGE CALCULATIONS


REF NO.	SHEET NO.	STATION TO STATION		202	202	202	SPECIAL			611	611	611		638						
				CURB AND GUTTER REMOVED, AS PER PLAN	MANHOLE ABANDONED	CATCH BASIN REMOVED, AS PER PLAN	FILL AND PLUG EXISTING CONDUIT			CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN (WITH BICYCLE SAFE GRATE)	CATCH BASIN ADJUSTED TO GRADE	MANHOLE ADJUSTED TO GRADE		VALVE BOX ADJUSTED TO GRADE						
				FT	EACH	EACH	EACH			EACH	EACH	EACH		EACH						
DR-1	14	366+90																		
DR-2	15	371+05								1	1	1								
DR-3	15	374+13									1	1								
DR-4	15	377+86									1	1								
DR-5	15	384+10												1						
DR-6	19	574+97	TO	575+10																
DR-7	19	575+10	TO	577+08																
DR-8	19	577+08	TO	577+06	10															
DR-9	19	577+06			10															
DR-10	20	580+65			10															
DR-11	20	580+65			10															
TOTALS CARRIED TO GENERAL SUMMARY				40	1	4	523			1	3	3		1						

GUARDRAIL CALCULATIONS

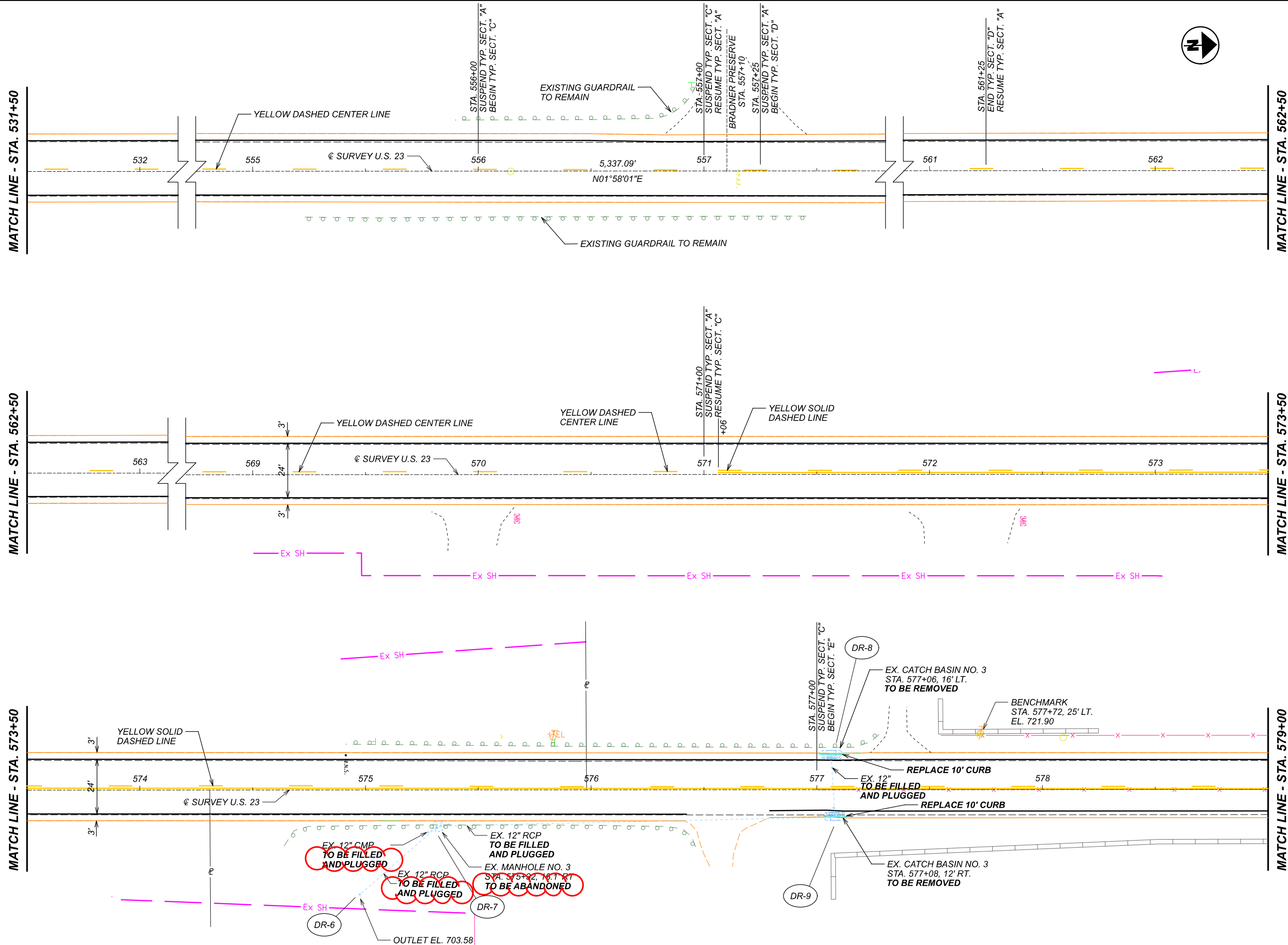
REF NO.	SHEET NO.	STATION TO STATION		202	606	606															
				GUARDRAIL REMOVED	GUARDRAIL, TYPE MGS	ANCHOR ASSEMBLY, MGS TYPE T															
				FT	FT	EACH															
GR-1	11	392+00	TO	393+50	150	162.5	2														
TOTALS CARRIED TO GENERAL SUMMARY				150	163	2															

SUBSUMMARIES

DESIGN AGENCY



DESIGNER: TLM
 REVIEWER: JMF 11-02-20
 PROJECT ID: 102922
 SHEET: P.11 | TOTAL: 20



PLAN SHEET
STA. 531+50 TO STA. 579+00

DESIGN AGENCY



DESIGNER	TLM
REVIEWER	JMF 11-02-20
PROJECT ID	102922
SHEET	TOTAL
P.19	20