ITEM SPECIAL - MAILBOX SUPPORT

THIS WORK SHALL CONSIST OF FURNISHING AND ERECTING MAIL-BOX SUPPORTS AND ANY ASSOCIATED MOUNTING HARDWARE IN ACCORDANCE WITH PLAN DETAILS, AND ATTACHING AN OWNER-SUPPLIED MAILBOX AT LOCATIONS SPECIFIED IN THE PLAN, OR OTHERWISE ESTABLISHED BY THE ENGINEER.

WOOD POSTS SHALL BE NOMINAL 4 INCHES BY 4 INCHES SQUARE OR 4.5 INCHES DIAMETER ROUND, AND CONFORM TO 710.14.

STEEL POSTS SHALL BE NOMINAL PIPE SIZE 2 INCHES I.D., AND CONFORM TO AASHTO M 181.

ALL HARDWARE INCLUDING BUT NOT LIMITED TO PLATES, SCREWS, BOLTS, AND ETC. SHALL BE COMMERCIAL-GRADE GALVANIZED STEEL.

POSTS SHALL BE SET PER THE FIRST PARAGRAPH OF 606.03, AND SHALL IN NO INSTANCE BE ENCASED IN CONCRETE.

SUPPORT HARDWARE SHALL ACCOMMODATE EITHER A SINGLE OR A DOUBLE MAILBOX INSTALLATION, AND NO MORE THAN TWO BOXES MAY BE MOUNTED ON A SINGLE POST.

THE MAILBOX SHALL BE SECURELY AND NEATLY ATTACHED BY THE CONTRACTOR TO THE NEW SUPPORT. THE CONTRACTOR SHALL FURNISH ALL NECESSARY ATTACHMENT HARDWARE (NUTS, BOLTS, PLATES, SPACERS, AND WASHERS) AS NECESSARY TO ACCOMMO-DATE THE COMPLETE INSTALLATION.

IN THE ABSENCE OF A NEW BOX SUPPLIED BY THE OWNER, THE CONTRACTOR SHALL SALVAGE THE EXISTING BOX AND PLACE IT ON THE NEW SUPPORT. DUE CARE SHALL BE EXERCISED IN SUCH AN OPERATION, AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR REPAIRING OR REPLACING ANY BOX DAMAGED BY IMPROPER HANDLING ON HIS PART, AS JUDGED AND DIRECTED BY THE ENGINEER.

THE CONTRACTOR SHALL BE RESPONSIBLE FOR COORDINATING WITH THE LOCAL POST MASTER REGARDING THE TIMING OF THE MOVEMENT OF ANY MAILBOX TO A NEW LOCATION.

PAYMENT UNDER THIS ITEM SHALL BE LIMITED TO FINAL PERMA-NENT INSTALLATIONS. TEMPORARY INSTALLATIONS SHALL BE IN ACCORDANCE WITH 107.10. HOWEVER, THE SAME MATERIAL AND SIZE LIMITATIONS AS FOR PERMANENT INSTALLATIONS SHALL APPLY.

MAILBOX SUPPORTS, COMPLETE IN PLACE, WILL BE PAID FOR AT THE CONTRACT UNIT PRICE PER EACH, FOR ITEM SPECIAL - MAILBOX SUPPORT SYSTEM, (SINGLE) (DOUBLE).

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING

CONSTRUCT THE SUBGRADE AS FOLLOWS AND IN THE FOLLOWING SEQUENCE:

1. SHAPE THE SUBGRADE TO WITHIN 0.2 FEET OF THE PLAN SUBGRADE ELEVATION.

2. EXCAVATE AND REPLACE UNSUITABLE SUBGRADE BEFORE PROOF ROLLING. THE EXCAVATION LIMITS ARE TO BE DETER-MINED BY THE ENGINEER UNSUITABLE SUBGRADE. UNSUIT-ABLE SUBGRADE INCLUDES UNSUITABLE SOIL (A-4B, A-2-5, A-5, A-7-5, AND SOIL WITH A LIQUID LIMIT GREATER THAN 65) AND ANY COAL, SHALE, OR ROCK WHICH NEEDS TO BE REMOVED ACCORDING TO SECTION 204.05 OF THE C&MS.

   IF THERE IS UNSUITABLE SUBGRADE IN A SHALLOW FILL LOCATION, EXCAVATE AND REPLACE THE UNSUITABLE SUB-GRADE BEFORE CONSTRUCTING THE SHALLOW FILL AND SHAPING THE SUBGRADE.

3. COMPACT THE SUBGRADE ACCORDING TO C&MS 204.03.

ITEM 204 - SUBGRADE COMPACTION AND PROOF ROLLING (CONT.)

4. APPROXIMATE LIMITS FOR EXCAVATION OF UNSTABLE SUB-GRADE ARE SHOWN AND LABELED ON THE CROSS SECTIONS AS UNSTABLE SUBGRADE. THE ENGINEER WILL IDENTIFY THE ACTUAL LIMITS OF EXCAVATION FOR UNSTABLE SUBGRADE BASED ON THE PROOF ROLLING RESULTS AND VISUAL OBSER-VATIONS.

   PROOF ROLL THE COMPACTED SUBGRADE ACCORDING TO C&MS 204.06.

5. EXCAVATE UNSTABLE SUBGRADE AS DIRECTED BY THE ENGI-NEER AND STABILIZE BY REPLACING WITH THE SPECIFIED MATERIALS ACCORDING TO C&MS 204.07. EXCAVATIONS WILL EXTEND 18 INCHES BEYOND THE EDGE OF THE SURFACE OF THE PAVEMENT, PAVED SHOULDERS, OR PAVED MEDIANS.

6. PROOF ROLL THE STABILIZED AREAS ACCORDING TO C&MS 204.06 TO VERIFY STABILITY.

7. FINE GRADE THE SUBGRADE TO THE SPECIFIED GRADE.

THE QUANTITIES FOR EXCAVATING THE UNSUITABLE SUBGRADE AND UNSTABLE SUBGRADE ARE BOTH PAID UNDER ITEM 204, EXCAVATION OF SUBGRADE.

FOR ADDITIONAL INFORMATION, SEE SHEETS P.04 - P.08,P.22 - P.24, AND P.49-P.70.

ITEM 613 - LOW STRENGTH MORTAR BACKFILL

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE EXCAVATION OF SUBGRADE.

613 LOW STRENGTH MORTAR BACKFILL.....25 CU YD

WETLAND AVOIDANCE

JURISDICTIONAL WETLANDS HAVE BEEN IDENTIFIED ON THE NORTH SIDE OF THE NEW BURG ST. (TR-109) PROJECT LOCATION. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG THE PROPOSED CONSTRUCTION LIMITS AT THIS LOCATION PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO PROTECT THIS ECOLOGICAL RESOURCE. NO WORK CAN OCCUR WITHIN THE WETLAND. THESE WETLANDS ARE SHOWN ON SHEET P.33. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG THE PROPOSED CONSTRUCTION LIMITS ADJACENT TO THE STREAM ON SR-661, SOUTH OF NEWBURG ST. PRIOR TO THE START OF CONSTRUCTION ACTIVITIES. NO WORK MAY OCCUR IN THE STREAM AT THIS LOCATION.

MULTI-USE TRAIL CONSIDERATIONS

1. ACCESS TO THE GRANVILLE MULTI-USE TRAIL WILL ONLY BE RESTRICTED DURING THE CONSTRUCTION OF THE PROJECT, AND ANY TIME THERE ARE SPECIFIC SAFETY CONCERNS IN THE PROJECT AREA.
2. TEMPORARY CONSTRUCTION FENCING SHALL BE INSTALLED ALONG PROPOSED CONSTRUCTION LIMITS PRIOR TO THE START OF CONSTRUCTION ACTIVITIES TO PROTECT THE EXISTING 4(F) RESOURCE AND THE PUBLIC.
3. APPROPRIATE SIGNAGE SHALL BE INSTALLED TO ALERT USERS OF THE GRANVILLE MULTI-USE TRAIL PRIOR TO THE START OF CONSTRUCTION ACTIVITIES, CLOSURES, AND THE DETOUR.
4. NO STAGING OR STORAGE OF CONSTRUCTION EQUIPMENT OR MATERIALS SHALL TAKE PLACE OUTSIDE THE PROPOSED CONSTRUCTION LIMITS THAT ARE WITHIN THE DEFINED BOUNDARIES OF THE 4(F) PROPERTY.
5. THE CONTRACTOR SHALL CLOSELY COORDINATE THE CONSTRUCTION SCHEDULE WITH ODOT AND THE VILLAGE OF GRANVILLE PRIOR TO THE START OF CONSTRUCTION ACTIVITIES AND REQUIRED TRAIL CLOSURE.

SNOW FENCE

THE CONTRACTOR SHALL INSTALL SNOW FENCE ALONG THE CONSTRUCTION LIMITS OF THE WETLAND TO IDENTIFY WETLAND BOUNDARIES AS SHOWN ON SHEET P.37 IN THE PLANS. SNOW FENCE SHALL ALSO BE INSTALLED ON THE CONSTRUCTION LIMITS ALONG THE STREAM (CLEAR CREEK) SHOWN ON SHEETS P.34 - P.35.

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR THE WORK NOTED ABOVE:

607 FENCE, MISC.: SNOW FENCE .....200 FT

ENDANGERED BAT HABITAT REMOVAL

THE PROJECT IS LOCATED WITHIN THE KNOWN HABITAT RANGES OF THE FEDERALLY LISTED AND PROTECTED INDIANA BAT AND NORTHERN LONG-EARED BAT. NO TREES SHALL BE REMOVED UNDER THIS PROJECT FROM APRIL 1 THROUGH SEPTEMBER 30. ALL NECESSARY TREE REMOVAL SHALL OCCUR FROM OCTOBER 1 THROUGH MARCH 31. THIS REQUIREMENT IS NECESSARY TO AVOID AND MINIMIZE IMPACTS TO THESE SPECIES AS REQUIRED BY THE ENDANGERED SPECIES ACT. FOR THE PURPOSES OF THIS NOTE, A TREE IS DEFINED AS A LIVE, DYING, OR DEAD WOODY PLANT, WITH A TRUNK THREE INCHES OR GREATER IN DIAMETER AT A HEIGHT OF 4.5 FEET ABOVE THE GROUND SURFACE, AND WITH A MINIMUM HEIGHT OF 13 FEET. THE VILLAGE OF GRANVILLE WILL REMOVE ONLY THE TREES NECESSARY TO CONSTRUCT THE PROJECT, PRIOR TO MARCH 31, 2024.

ITEM 202 - PIPE REMOVED, 24" AND UNDER, AS PER PLAN

THE FOLLOWING ESTIMATED QUANTITIES HAVE BEEN INCLUDED IN THE GENERAL SUMMARY FOR USE AS DETERMINED BY THE ENGINEER FOR THE REMOVAL OF TILE REMNANTS OF AN ABANDONDED SEPTIC SYSTEM ON THE NORTHWEST CORNER OF SR 661 AND NEW BURG STREET, THE ADDRESS OF 1375 NORTH STREET. REMNANTS WITHIN THE R/W LIMITS ARE TO BE REMOVED AND DISPOSED OF AT THE DISCRETION OF THE ENGINEER.

202 PIPE REMOVED, 24" AND UNDER, AS PER PLAN ..... 250 FT

LIST OF ABBREVIATIONS

AA	ANCHOR ASSEMBLY
AC	ABUTMENT CONNECTION
AGG.	AGGREGATE
ATG	ADJUST TO GRADE
BTA	BRIDGE TERMINAL ASSEMBLY
CI	CURB INLET
CMS	CONSTRUCTION AND MATERIALS SPECIFICATION (CURRENT EDITION)
CPA	CORNER POST ASSEMBLY
DND	DO NOT DISTURB
ELEC.	ELECTRIC
EOP	EDGE OF PAVEMENT
EX.	EXISTING
FH	FIRE HYDRANT
FO	FIBER OPTIC
GSH	GRADED SHOULDER
GR	GUARDRAIL
GV	GAS VALVE
HW	HEADWALL
INV.	INVERT
LD1/LD2/LD3	LOCATION AND DESIGN MANUAL, VOLUME 1/2/3 (CURRENT EDITION)
LEO	LAW ENFORCEMENT OFFICER
LON	LENGTH OF NEED
MB	MAILBOX
MC	MASONRY COLLAR
MGS	MIDWEST GUARDRAIL SYSTEM
MOT	MAINTENANCE OF TRAFFIC
OMUTCD	OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES (CURRENT EDITION)
PB	PORTABLE BARRIER
PC	POINT OF CURVATURE
PDM	PAVEMENT DESIGN MANUAL
PGL	PROPOSED GROUND/GRADE LINE
PI	POINT OF INTERSECTION
PM	POLE-MOUNTED
PRCO	PRECAST REINFORCED CONCRETE OUTLET
PROP.	PROPOSED
PT	POINT OF TANGENCY
PVMT	PAVEMENT
RCP	REINFORCED CONCRETE PIPE
RES.	RESIDENCE
RNDG.	ROUNDING
SCD	STANDARD CONSTRUCTION DRAWING (CURRENT EDITION)
SHLD.	SHOULDER
SLM	STRAIGHT LINE MILEAGE
STM.	STORM
TEM	TRAFFIC ENGINEERING MANUAL (CURRENT EDITION)
TBR	TO BE REMOVED
TBRO	TO BE REMOVED BY OTHERS
TBRL	TO BE RELOCATED
TTC	TEMPORARY TRAFFIC CONTROL
UD	UNDERDRAIN
U/G	UNDERGROUND
VPF	VANDAL PROTECTION FENCE
WV	WATER VALVE
WZIA	WORK ZONE IMPACT ATTENUATOR
XGL	EXISTING GROUND/GRADE LINE

GENERAL NOTES

DESIGN AGENCY
fishbeck

DESIGNER JAL
REVIEWER JAH 08/14/23
PROJECT ID 112799
SHEET P.10 TOTAL 111

LIC-661-1.64

MODEL: Sheet PAPERSIZE: 34x22 (in.) DATE: 1/17/2024 TIME: 10:13:27 AM USER: jlight
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SHEET NUM.												PART.		ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
P.08	P.10	P.25	P.26	P.27	P.32	P.33	P.70	P.81	P.95	P.97		01/CMQ/04/GRAN	01/NFP/28/GRAN						
																		ROADWAY	
												LS		201	11000	LS		CLEARING AND GRUBBING	
			3,343									3,343		202	23000	3,343	SY	PAVEMENT REMOVED	
			4,552									4,552		202	30000	4,552	SF	WALK REMOVED	
		386										386		202	35100	386	FT	PIPE REMOVED, 24" AND UNDER	
		255										255		202	38000	255	FT	GUARDRAIL REMOVED	
	250											250		202	35101	250	FT	PIPE REMOVED, 24" AND UNDER, AS PER PLAN	P.10
		2										2		202	42206	2	EACH	ANCHOR ASSEMBLY REMOVED	
		2										2		202	58100	2	EACH	CATCH BASIN REMOVED	
		4										4		202	98100	4	EACH	REMOVAL MISC.:, BOLLARD	
							3,076					3,076		203	10000	3,076	CY	EXCAVATION	
							2,604					2,604		203	20000	2,604	CY	EMBANKMENT	
									3				3	203	98600	3	EACH	ROADWAY, MISC.: PARK BENCH	P.09
									3				3	203	98600	3	EACH	ROADWAY, MISC.: TRASH RECEPTACLE	P.09
			1,247					571				1,818		204	10000	1,818	SY	SUBGRADE COMPACTION	
							359					359		204	13000	359	CY	EXCAVATION OF SUBGRADE	
							359					359		204	20000	359	CY	EMBANKMENT	
2												2		204	45000	2	HOUR	PROOF ROLLING	
			168									168		205	10550	168	TON	CEMENT	
			6,457									6,457		206	11000	6,457	SY	CURING COAT	
			6,457									6,457		206	15020	6,457	SY	CEMENT STABILIZED SUBGRADE, 14 INCHES DEEP	
		150										150		606	15050	150	FT	GUARDRAIL, TYPE MGS	
		3										3		606	26150	3	EACH	ANCHOR ASSEMBLY, MGS TYPE E (NCHRP 350/MASH 2016)	
		1										1		606	26550	1	EACH	ANCHOR ASSEMBLY, MGS TYPE T	
		2										2		606	35002	2	EACH	MGS BRIDGE TERMINAL ASSEMBLY, TYPE 1	
	200											200		607	98000	200	FT	FENCE, MISC.: SNOW FENCE	
		100										100		607	98000	100	FT	FENCE, MISC.: WOOD FENCE	
			1,365									1,365		608	10000	1,365	SF	4" CONCRETE WALK	
		953										953		608	52000	953	SF	CURB RAMP	
	25											25		613	41200	25	CY	LOW STRENGTH MORTAR BACKFILL	
										1		1		623	38500	1	EACH	MONUMENT ASSEMBLY, TYPE C	
										20		20		623	40520	20	EACH	RIGHT-OF-WAY MONUMENT, TYPE B	
		1										1		SPECIAL	69050350	1	EACH	MAILBOX REMOVED AND RESET	P.10
																		EROSION CONTROL	
5												5		601	32200	5	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
1												1		659	00100	1	EACH	SOIL ANALYSIS TEST	
500						175						675		659	00300	675	CY	TOPSOIL	
4,498												4,498		659	10000	4,498	SY	SEEDING AND MULCHING	
225												225		659	14000	225	SY	REPAIR SEEDING AND MULCHING	
225												225		659	15000	225	SY	INTER-SEEDING	
1												1		659	20000	1	TON	COMMERCIAL FERTILIZER	
0.93												0.93		659	31000	0.93	ACRE	LIME	
25												25		659	35000	25	MGAL	WATER	
						1,573						1,573		670	00500	1,573	SY	SLOPE EROSION PROTECTION	
												LS		832	15000	LS		STORM WATER POLLUTION PREVENTION PLAN	
												LS		832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
												LS		832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
												45,000		832	30000	45,000	EACH	EROSION CONTROL	
																		DRAINAGE	
10				4								14		601	21050	14	SY	TIED CONCRETE BLOCK MAT WITH TYPE 1 UNDERLAYMENT	
				11								11		602	20000	11	CY	CONCRETE MASONRY	
100												100		605	13300	100	FT	6" UNCLASSIFIED PIPE UNDERDRAINS	
				2,190								2,190		605	14000	2,190	FT	6" BASE PIPE UNDERDRAINS	
20				144								164		611	00510	164	FT	6" CONDUIT, TYPE F FOR UNDERDRAIN OUTLETS	
20				59								79		611	00900	79	FT	6" CONDUIT, TYPE B	
20												20		611	01400	20	FT	6" CONDUIT, TYPE E	
20												20		611	01500	20	FT	6" CONDUIT, TYPE F	
				160								160		611	04600	160	FT	12" CONDUIT, TYPE C	
				156								156		611	05900	156	FT	15" CONDUIT, TYPE B	

GENERAL SUMMARY

LIC-661-1.64

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DESIGN AGENCY
fishbeck

DESIGNER
JBT/AJV

REVIEWER
JAH 08/14/23

PROJECT ID
112799

SHEET P.22 TOTAL 111

PLAN LEGEND

- ✱ TAPER CURB HEIGHT FROM 6" TO 0" OVER A LENGTH OF 10 FEET, AS PER L&D VOL. 1, SECTION 305.4.
- TREE (TBRO)
- PAVEMENT REMOVAL
- PROP. BENCH & TRASH RECEPTACLE ON ITEM 452 SLAB. SEE SHEET P.09.
- ✱✱ REMOVE AND RESET

PLAN NOTES

1. FOR ROUNDABOUT GEOMETRIC LAYOUT, SEE SHEETS P.02- P.03.
2. FOR PROPOSED PAVEMENT INFORMATION SEE TYPICAL SECTION SHEETS P.04 - P.07.
3. FOR DRIVEWAY DETAILS AND QUANTITIES SEE SHEETS P.80 - P.83.
4. "MC" REFERS TO "MASONRY COLLAR" TO CONNECT AND EXISTING CONDUIT TO A PROPOSED CONDUIT, SEE SCD DM-1.1 FOR FURTHER INFORMATION.
5. FOR FURTHER PRECAST REINFORCED CONCRETE OUTLET (PRCO) INFORMATION SEE SCD DM-1.1.
6. FOR SPLITTER ISLAND INFORMATION SEE SHEETS P.77 - P.78.
7. FOR PROPOSED EXTERIOR TRUCK APRON INFORMATON SEE SHEET P.76.
8. FOR PROPOSED LANDSCAPING INFORMATON SEE SHEET P.94 - P.95.
9. MEET EX. PATH
10. PROPOSED LIGHTING SHOWN FOR REFERENCE ONLY. FOR FURTHER LIGHTING INFORMATION SEE SHEETS P.91 - P.92.
11. FOR CURB TRANSITION DETAIL, SEE SHEET P.07.
12. FOR LIST OF ABBREVIATIONS, SEE SHEET P.10.
13. APPROXIMATE LOCATION OF SEPTIC SYSTEM TILE REMNANTS

HORIZONTAL SCALE IN FEET
0 10 20 40

PLAN - SR 661
STA. 51+50.00 TO STA. 56+50.00

DESIGN AGENCY: fishbeck

DESIGNER	DLB/JAL
REVIEWER	JAH 08/14/23
PROJECT ID	112799
SHEET	P.35
TOTAL	111

LIC-661-1.64

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