

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

MAPLE HIGHLANDS TRAIL PHASE 2

CITY OF CHARDON
GEAUGA COUNTY

PROJECT DESCRIPTION

CONSTRUCTION OF 0.89 MILES OF MULTI-PURPOSE BIKE AND HIKE TRAIL FROM WATER STREET AT THE TERMINUS OF MAPLE HIGHLANDS TRAIL PHASE 1 TO STATE ROUTE 44 AT THE TERMINUS OF MAPLE HIGHLANDS TRAIL CENTRAL SECTION. IMPROVEMENTS INCLUDE PAVEMENT, DRAINAGE IMPROVEMENTS, LANDSCAPING, IMPROVEMENTS TO ARBY'S PARKING LOT, TRAILHEAD WITH RESTROOM BUILDING, ELECTRICAL SERVICE AND PARKING AREA.

EARTH DISTURBED AREAS

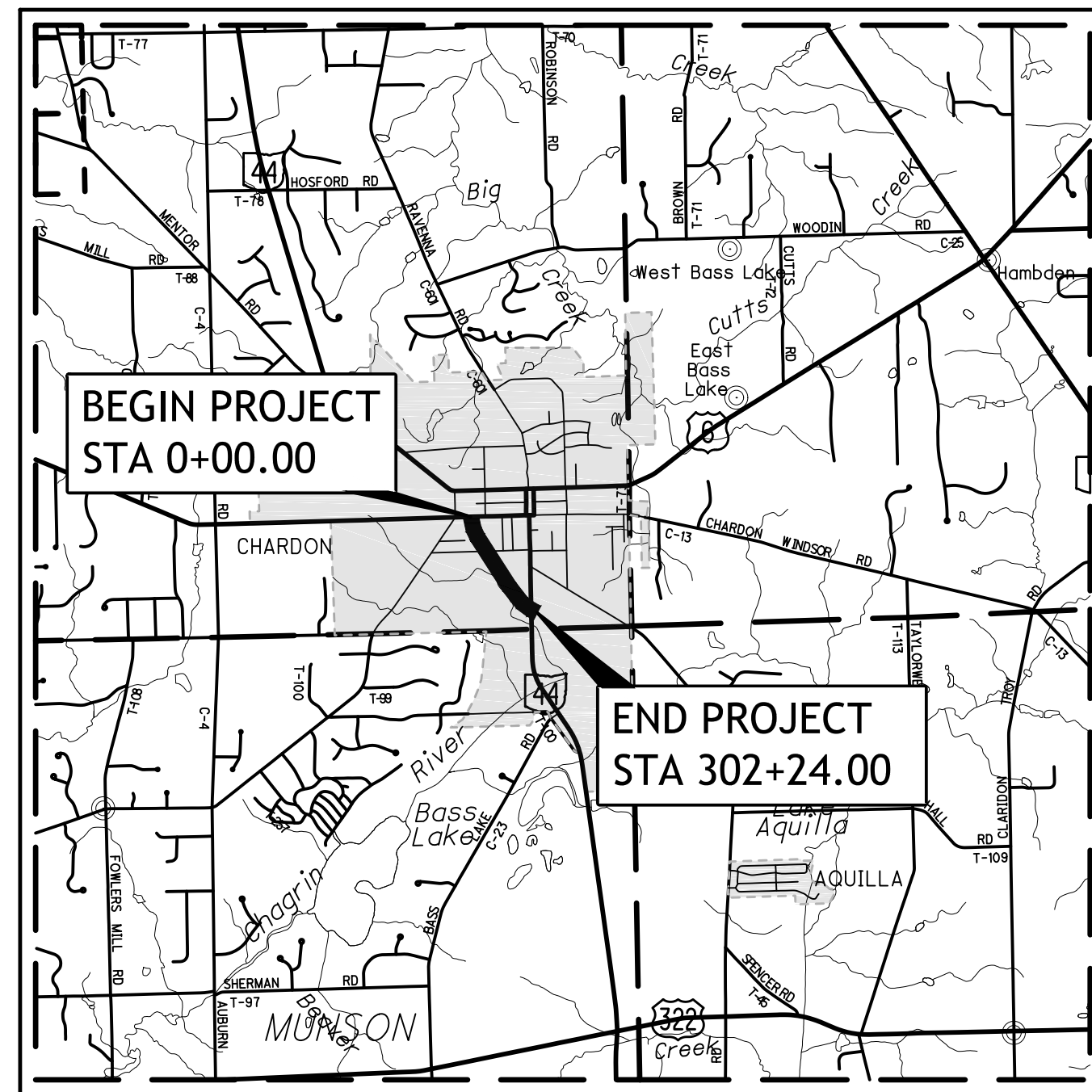
PROJECT EARTH DISTURBED AREA: 5.22 ACRES
ESTIMATED CONTRACTOR EARTH DISTURBED AREA: 5.22 ACRES
NOTICE OF INTENT EARTH DISTURBED AREA: 5.22 ACRES

2019 SPECIFICATIONS

THE STANDARD SPECIFICATIONS OF THE STATE OF OHIO, DEPARTMENT OF TRANSPORTATION, INCLUDING SUPPLEMENTAL SPECIFICATIONS LISTED IN THE PLANS AND CHANGES LISTED IN THE PROPOSAL SHALL GOVERN THIS IMPROVEMENT.

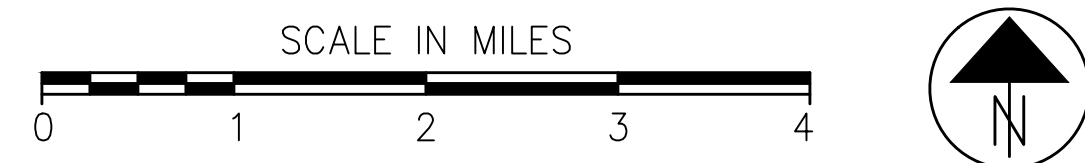
APPROVED _____
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION



LOCATION MAP

LATITUDE: 41° 34' 44" N LONGITUDE: 81° 12' 36" W



PORTION TO BE IMPROVED	_____
INTERSTATE HIGHWAY	_____
FEDERAL ROUTES	_____
STATE ROUTES	_____
COUNTY & TOWNSHIP ROADS	_____
OTHER ROADS	_____

DESIGN EXCEPTIONS

NONE REQUIRED

INDEX OF SHEETS:

COVER SHEET	1
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PARK AVENUE TRAILHEAD PARKING LOT	25-27
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UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811, 8-1-1, or 1-800-362-2764
(Non-members must be called directly)

PLAN PREPARED BY:
ENVIRONMENTAL DESIGN GROUP
450 GRANT STREET, AKRON, OH 44311
(330) 375-1390

ENGINEERS SEAL:

SIGNED: JILL PFEIFFER-WARD
DATE: 11-20-19

ENGINEERS SEAL:

SIGNED: _____
DATE: _____

STANDARD CONSTRUCTION DRAWINGS				SUPPLEMENTAL SPECIFICATIONS	SPECIAL PROVISIONS				
BP-2.2	7/18/08	HW-2.1	7/20/18	MT-97.10	4/19/19	TC-41.40	10/18/13	800-2019	01/17/20
BP-3.1	10/18/19	HW-2.2	7/20/18			TC-42.20	10/18/13	832-2019	10/19/18
BP-4.1	7/19/13					TC-52.10	10/18/13		
BP-5.1	1/18/19	MH-1.2	1/15/16			TC-52.20	7/20/18		
BP-7.1	7/20/18					TC-71.10	1/19/18		
CB-1.1	7/19/19								
CB-1.2	1/15/16								
CB-2.2	7/20/18								

FEDERAL PROJECT NO. E190249

PID NO. 103163

CONSTRUCTION PROJECT NO. NONE

RAILROAD INVOLVEMENT NONE

CITY OF CHARDON
MAPLE HIGHLANDS TRAIL PHASE 2

1/49

SHEET NUM.										PART.		ALT (X)	ITEM	ITEM EXT	GRAND TOTAL	UNIT	DESCRIPTION	SEE SHEET NO.
OFFICE CALCS										01/MPO/OT	02/NFP/OT							
										LS	LS		201	11001	LS		ROADWAY	
										LS			202	98000	LS		CLEARING AND GRUBBING, AS PER PLAN	3
2										2			202	98100	2	EACH	REMOVAL MISC.:SITE DEMOLITION	3
1										1			202	98200	1	FT	REMOVAL MISC.:EXISTING UTILITY POLE AND LIGHT FIXTURE REMOVAL	3
5,654										5,582	72		203	10001	5,654	CY	REMOVAL MISC.:RELOCATE LITTLE FREE LIBRARY	21, 29
																	EXCAVATION, AS PER PLAN	3
2,654										2,654			203	20001	2,654	CY	EMBANKMENT, AS PER PLAN	3
9,004										8,390	614		204	10000	9,004	SY	SUBGRADE COMPACTION	
2										2			204	45001	2	HOUR	PROOF ROLLING, AS PER PLAN	3
790										790			252	01500	790	FT	FULL DEPTH PAVEMENT SAWING	
474										474			607	98000	474	FT	FENCE, MISC.:TIMBER RAIL (44")	3, 46
1											1		625	10500	1	EACH	LIGHT POLE, MISC.:ARBY'S LIGHT POLE MODIFICATION	4
2										2			625	10500	2	EACH	LIGHT POLE, MISC.:ARBY'S LIGHT POLE RELOCATION	4
										LS			625	98200	LS		LIGHTING, MISC.:POWER SERVICE	4
1										1			SPECIAL	69098000	1	EACH	ARBY'S LIT SIGN RELOCATION	5A
3										3			SPECIAL	69098000	3	EACH	BIKE RACK	4
1										1			SPECIAL	69098000	1	EACH	DRINKING FOUNTAIN	4, 46
2										2			SPECIAL	69098000	2	EACH	TWO SIDED PITCHED ROOF KIOSK	5A, 48
1										1			SPECIAL	69098000	1	EACH	MILLSTONE SIGN	5, 45
1										1			SPECIAL	69098000	1	EACH	REINSTALLATION OF SALVAGED DRINKING FOUNTAIN	4, 29
1										1			SPECIAL	69098000	1	EACH	FLUSH RESTROOM	5, 49
4										1	3		SPECIAL	69098000	4	EACH	STEEL BOLLARD	5A, 47
2										2			SPECIAL	69098000	2	EACH	TRASH RECEPTACLE	4
10										10			SPECIAL	69098000	10	EACH	WHEELSTOP	5A, 47
112										112			SPECIAL	69098100	112	FT	SANDSTONE SEATWALL	5, 45
											LS		SPECIAL	69098400	LS		ARBY'S DUMPSTER PAD	5A,22-23,47
											LS		SPECIAL	69098400	LS		ARBY'S SHED RELOCATION	5A, 22-23
										LS			SPECIAL	69098400	LS		REPURPOSED BOULDER RETAINING WALL	4, 16,48
										LS			SPECIAL	69098400	LS		REPURPOSED BOULDERS LOCATED ON SITE	4,14,19
																	EROSION CONTROL	
12										12			601	32200	12	CY	ROCK CHANNEL PROTECTION, TYPE C WITH FILTER	
20										20			616	10000	20	MGAL	WATER	3
1,710										1,647	63		651	10000	1,710	CY	TOPSOIL STOCKPILED	
1,710										1,647	63		652	10000	1,710	CY	PLACING STOCKPILED TOPSOIL	
2,814										2,814			659	00501	2,814	SY	SEEDING AND MULCHING, CLASS 1, AS PER PLAN	4
3,268										3,268			SPECIAL	69098200	3,268	SF	BIORETENTION CELL	5A, 47
										LS	LS		832	15001	LS		STORM WATER POLLUTION PREVENTION PLAN, AS PER PLAN	4, 11-13
										LS			832	15002	LS		STORM WATER POLLUTION PREVENTION INSPECTIONS	
										LS			832	15010	LS		STORM WATER POLLUTION PREVENTION INSPECTION SOFTWARE	
41,000										41,000			832	30000	41,000	EACH	EROSION CONTROL	
																	DRAINAGE	
1										1			202	58001	1	EACH	MANHOLE REMOVED, AS PER PLAN	3
2										2			602	20000	2	CY	CONCRETE MASONRY	
1,113										1,113			605	05201	1,113	FT	4" UNCLASSIFIED PIPE UNDERDRAINS, AS PER PLAN	3
8										8			611	98470	8	EACH	CATCH BASIN, NO. 2-2B	
1										1			611	98510	1	EACH	CATCH BASIN, NO. 2-3	
4										4			611	98630	4	EACH	CATCH BASIN ADJUSTED TO GRADE	
1										1			611	98631	1	EACH	CATCH BASIN ADJUSTED TO GRADE, AS PER PLAN	3
3										2	1		611	98690	3	EACH	CATCH BASIN, MISC.:CATCH BASIN REMOVED AND REINSTALLED	3
1										1			611	99574	1	EACH	MANHOLE, NO. 3	
11										11			611	99654	11	EACH	MANHOLE ADJUSTED TO GRADE	
1										1			611	99655	1	EACH	MANHOLE ADJUSTED TO GRADE, AS PER PLAN	3
3										3			611	99900	3	EACH	DRAINAGE STRUCTURE, MISC.:YARD DRAIN WITH INTERLOCKING GRATE	48
																	PAVEMENT	
363										313	50		301	46000	363	CY	ASPHALT CONCRETE BASE, PG64-22	
1,509										1,417	92		304	20001	1,509	CY	AGGREGATE BASE, AS PER PLAN	3
510										477	33		407	20000	510	GAL	NON-TRACKING TACK COAT	
345										318	27		441	50101	345	CY	ASPHALT CONCRETE SURFACE COURSE, TYPE 1, (448), AS PER PLAN	3
219										219			441	50300	219	CY	ASPHALT CONCRETE INTERMEDIATE COURSE, TYPE 2, (448)	

CALCULATED SDK
 CHECKED SDK
 GENERAL SUMMARY
 CITY OF CHARDON
 MAPLE HIGHLANDS TRAIL PHASE 2
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