

STATE OF OHIO
DEPARTMENT OF TRANSPORTATION

MAPLE HIGHLANDS TRAIL PHASE 2

CITY OF CHARDON
GEAUGA COUNTY

PROJECT DESCRIPTION

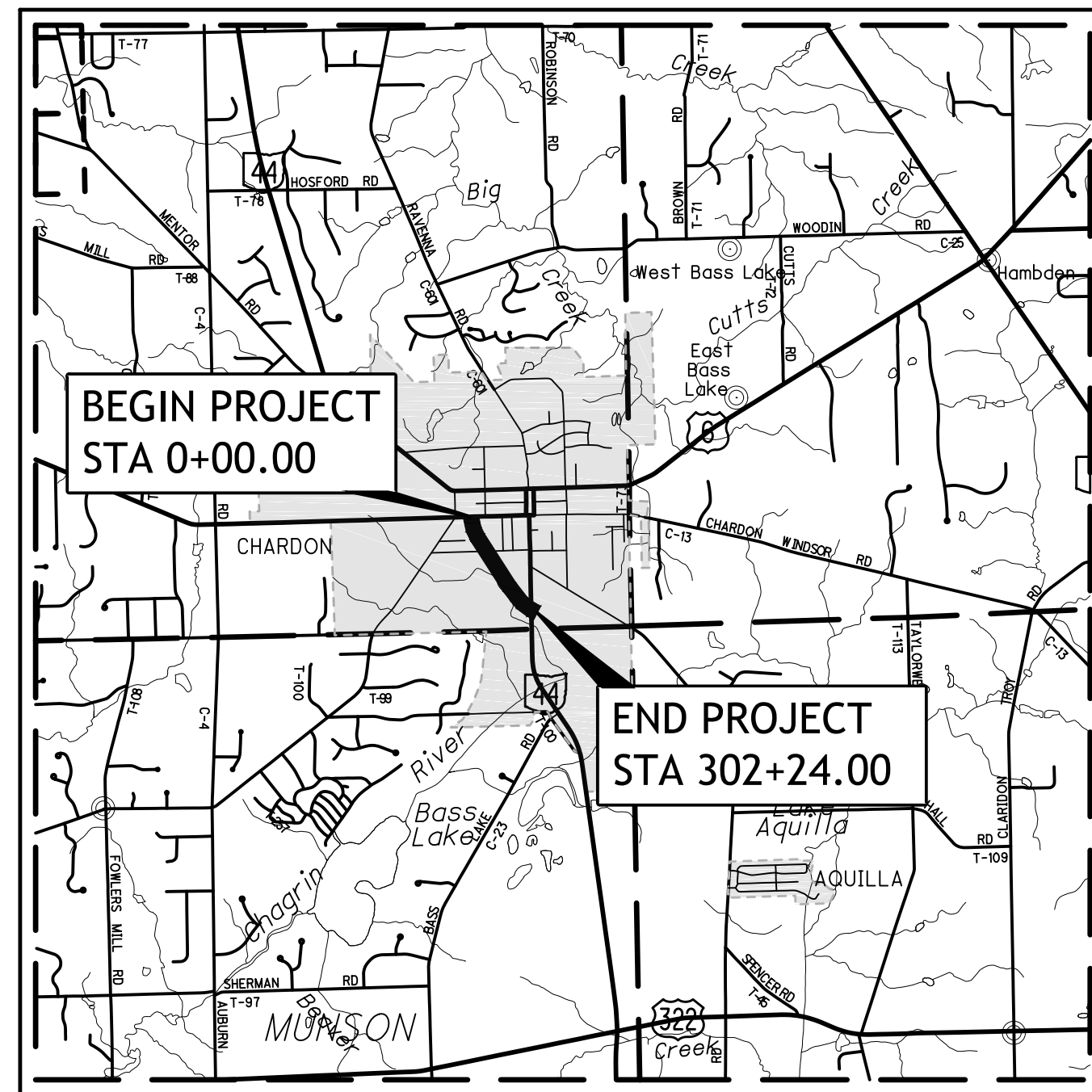
CONSTRUCTION OF 0.89 MILES OF MULTI-PURPOSE BIKE AND HIKE TRAIL FROM WATER STREET AT THE TERMINUS OF MAPLE HIGHLANDS TRAIL PHASE 1 TO STATE ROUTE 44 AT THE TERMINUS OF MAPLE HIGHLANDS TRAIL CENTRAL SECTION. IMPROVEMENTS INCLUDE PAVEMENT, DRAINAGE IMPROVEMENTS, LANDSCAPING, IMPROVEMENTS TO ARBY'S PARKING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

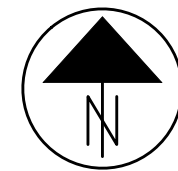
2019 SPECIFICATIONS

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.



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

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UNDERGROUND UTILITIES
Contact Two Working Days Before You Dig

OHIO811.org
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								

APPROVED _____
DATE _____ DISTRICT DEPUTY DIRECTOR

APPROVED _____
DATE _____ DIRECTOR, DEPARTMENT OF TRANSPORTATION

FEDERAL PROJECT NO. E190249

PID NO. 103163

CONSTRUCTION PROJECT NO. NONE

RAILROAD INVOLVEMENT NONE

CITY OF CHARDON
MAPLE HIGHLANDS TRAIL PHASE 2

1/49

ITEM 625 – LIGHTING, MISC.: POWER SERVICE

WORK OF THIS ITEM INCLUDES PROVIDING COMPLETE AND FUNCTIONING POWER SERVICE TO THE PROPOSED FLUSH RESTROOM. CONTRACTOR SHALL COORDINATE WITH LOCAL POWER COMPANY TO PROVIDE ELECTRICAL SERVICE TO THE BUILDING PER ODOT 625 AND PER THE PLANS. APPROXIMATE LOCATION OF POWER SERVICE IS SHOWN ON THE PLANS, INCLUDING THE INTENDED ELECTRICAL TIE-IN POINT AND ROUTING OF SERVICE. WIRE CAN BE DIRECT BURY. WORK OF THIS ITEM INCLUDES POLES, TRENCHING, NEC ARTICLE 285 TYPE 1 SURGE ARRESTOR SURGE PROTECTOR DEVICE, CUSTOMER SERVICE DISCONNECT, CONDUITS, FITTINGS, CABLES, CONNECTORS, GROUNDING, WIRING, CABLING, TESTING, PLASTIC CAUTION TAPE OVER THE LINE, TRENCH BACKFILL AND FOUNDATIONS.

CONTRACTOR SHALL HIRE AN ELECTRICAL ENGINEER LICENSED IN THE STATE OF OHIO TO PREPARE ELECTRICAL DESIGN PLANS FOR COMPLETE AND FUNCTIONING POWER SERVICE.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM 625 – LIGHT POLE, MISC.: ARBY'S LIGHT POLE MODIFICATION

THIS ITEM CONSISTS OF MODIFYING ARBY'S EXISTING LIGHT POLE AS PER DRAWINGS. ALL WORK SHALL CONFORM TO ODOT ITEM 625.

CONTRACTOR SHALL MODIFY EXISTING LIGHT POLE INDICATED ON PLANS TO ACCEPT A SECOND LUMINAIRE AND MOUNTING BRACKET. NEW LUMINAIRE AND MOUNTING BRACKET SHALL MATCH EXISTING AND SHALL BE MOUNTED 180 DEGREES FROM EXISTING LUMINAIRE.

PAYMENT FOR THE ABOVE WILL BE MADE PER LUMP SUM (LS) AT THE CONTRACT PRICE FOR ITEM SPECIAL – MISC.: ARBY'S LIGHT POLE MODIFICATION.

ITEM 625 – LIGHT POLE, MISC.: ARBY'S LIGHT POLE RELOCATION

THIS ITEM CONSISTS OF RELOCATING ARBY'S LIGHT POLE ON SITE AS PER DRAWINGS AND SPECIFICATIONS. ALL WORK SHALL CONFORM TO ODOT ITEMS 202, 203, AND 625.

CONTRACTOR SHALL SUBMIT SHOP DRAWINGS FOR APPROVAL OF PROPOSED LIGHT POLE FOUNDATION, SIGNED AND SEALED BY AN ENGINEER LICENSED IN THE STATE OF OHIO.

CONTRACTOR SHALL SALVAGE EXISTING LIGHT POLE INDICATED ON PLANS, USING CARE NOT TO DAMAGE POLE AND ITS APPURTENANCES. CONTRACTOR SHALL STORE SIGN TO PREVENT DAMAGE UNTIL PROPOSED FOUNDATION IS PREPARED AND READY FOR POLE INSTALLATION.

EXTEND POWER SERVICE TO LIGHT POLE FROM EXISTING LIGHT POLE LOCATION. MATCH EXISTING SERVICE TYPE, STYLE AND MATERIALS.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM 630 – SIGNING, MISC.: ACCESSIBLE PARKING SIGNAGE

THIS ITEM OF WORK CONSISTS OF CONSTRUCTING A COMPLETE UNIT, CONTAINING SIGNAGE, POST, AND FOUNDATION AS PER ITEM 630, AND AS SHOWN AND DETAILED ON THE PLANS.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM 638 – 1" COPPER SERVICE BRANCH, AS PER PLAN

THIS ITEM OF WORK CONSISTS OF CONSTRUCTING A COMPLETE AND FUNCTIONAL 1" WATER SERVICE AS PER ITEM 638, PER CITY OF CHARDON SPECIFICATIONS AND AS SHOWN AND DETAILED ON THE PLANS.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM 638 – WATER WORK, MISC. – 4" HDPE WATER LINE

THIS ITEM OF WORK CONSISTS OF CONSTRUCTING A COMPLETE AND FUNCTIONAL 4" WATER SERVICE AS PER ITEM 638, PER CITY OF CHARDON SPECIFICATIONS AND AS SHOWN AND DETAILED ON THE PLANS. PIPE SHALL BE 4" DIAMETER HDPE DR-11 HIGH DENSITY POLYETHYLENE PIPE PER AWWA C906 AND NSF/ANSI 61, DIPS, DR-11 WITH BUTT FUSION OR ELECTRO-FUSION JOINTS. FITTINGS SHALL BE HDPE, MOLDED, PER AWWA 906 AND NSF/ANSI 61, DIPS, SDR 11 MINIMUM WITH BUTT FUSION OR ELECTRO-FUSION JOINTS. FITTINGS AND TRANSITIONS PER ASTM D3261. FITTINGS SHALL BE PRESSURE RATED TO MATCH PIPE DR PRESSURE RATING. FITTINGS SHALL BE MOLDED BY MANUFACTURER.

WHEN INDICATED ON THE PLANS, INSTALL TAPPING SLEEVE AND VALVE PER 638 AND PER CITY OF CHARDON SPECIFICATIONS.

NEAR SOUTH STREET NODE, WHERE PROJECT IS REROUTING AN EXISTING WATERLINE, THE SIZE OF THE EXISTING WATERLINE IS UNKNOWN. AS NOTED ON THE PLANS, CONTRACTOR SHALL EXCAVATE PIPE TO DETERMINE THE EXISTING PIPE SIZE AND MATERIAL. REPLACEMENT PIPE SHALL MATCH EXISTING SIZE. USE APPROPRIATE FITTINGS OR COUPLERS TO CONNECT EXISTING PIPES. INCLUDE ALL FITTINGS AND COUPLERS IN PRICE OF WATER LINE. FOR BIDDING PURPOSES, WATER LINE IS ASSUMED TO BE 4" HDPE.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM 644 – CROSSWALK LINE, AS PER PLAN

THIS ITEM CONSISTS OF INSTALLING CROSSWALK PAVEMENT MARKING, INCLUDING THE LATERAL/LADDER MARKINGS AS PER ITEM 644 AND PER DRAWINGS. THIS ITEM IS MEASURED AS LINEAR FEET FROM CURB TO CURB.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM 659 – SEEDING AND MULCHING, CLASS 1, AS PER PLAN

THIS ITEM OF WORK CONSISTS OF INSTALLING SEEDING AND MULCHING AS PER ITEM 659, AS SHOWN AND DETAILED ON THE PLANS.

ALL DISTURBED AREAS EXCEPT BIORETENTION AREAS SHALL BE SEEDED WITH CLASS 1 – LAWN MIXTURE.

MULCHING SHALL BE APPLIED IN ALL SEEDING AREAS NOT REQUIRING SLOPE MATTING.

CONTRACTOR SHALL SUBMIT A SEED MIXTURE TAG, ACCORDING TO OHIO DEPARTMENT OF AGRICULTURE REQUIREMENTS FROM SEED VENDOR FOR EACH TYPE OF SEED MIXTURE. SUBMITTAL MUST INCLUDE BOTANICAL NAMES, COMMON NAMES, PERCENT BY WEIGHT, TEST DATE ASSOCIATED WITH THE SPECIES AND PURE SEED, OTHER SEED, WEED SEED, INERT MATERIAL AND TOTAL. SEED MIXTURES MUST BE DELIVERED IN ORIGINAL, SEALED, LABELED, AND UNDAMAGED CONTAINERS.

DO NOT USE SEED THAT IS WET, MOLDY OR OTHERWISE DAMAGED.

SEED INSTALLATION SCHEDULE:

SEED MIXTURES SHALL NOT BE PLANTED OUTSIDE OF THE LISTED TIME FRAMES WITHOUT WRITTEN APPROVAL FROM THE ENGINEER. PROCEED WITH SEEDING ONLY WHEN EXISTING AND FORECASTED WEATHER CONDITIONS PERMIT. CLASS 1 – LAWN MIXTURE SHALL BE PLANTED PER ITEM 659.

CONTRACTOR SHALL BEGIN MAINTENANCE OF SEEDED AREAS IMMEDIATELY AFTER EACH AREA IS SEEDED BY WATERING, MOWING, AND REPLANTING AS NECESSARY TO ESTABLISH A UNIFORMLY DENSE STAND OF SPECIFIED SPECIES AND UNTIL ACCEPTED. MAINTAIN AS PER ITEM 659.

ANY AREAS FAILING TO ESTABLISH A STAND SHALL BE RESEEDING AS DIRECTED BY THE ENGINEER AT NO EXTRA COST.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS, AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM 661 – PLANTING TREES, SHRUBS, PERENNIALS AND BULBS

THIS ITEM CONSISTS OF PROVIDING AND INSTALLING ALL PLANTS AS LISTED IN THE PLANT MATERIAL LISTS AND AS SPECIFIED IN ODOT ITEM 661 AND PLANTING DETAILS INCLUDED WITHIN THE PLANS. THIS ITEM INCLUDES ALL LABOR, EQUIPMENT, TOOLS, SUBMITTALS, STAKING, REMOVAL OF STAKING, WARRANTY, INCIDENTALS AND MATERIALS REQUIRED TO COMPLETE THIS ITEM AND SHALL BE PAID BY EACH UNDER ITEM 661 – TREE, OR SHRUB, OR PERENNIALS, OR BULBS.

THIS ITEM ALSO INCLUDES INSTALLING A 3-INCH LAYER OF DOUBLE-SHREDDED HARDWOOD BARK MULCH OVER ALL LANDSCAPE AREAS NOT RECEIVING SEED MIXES, EXCEPT BIORETENTION CELL. IN BIORETENTION CELL, MULCH SHALL BE TRIPLE-SHREDDED HARDWOOD BARK MULCH 3-INCHES THICK. MULCH SHALL BE FREE OF SOIL, ROCKS, AND WEEDS. THE MULCH MUST BE AGED FOR A LEAST ONE YEAR BEFORE INSTALLATION. CONTRACTOR SHALL SUBMIT PRODUCT DATA AND SAMPLES TO ENGINEER FOR APPROVAL. THIS ITEM SHALL BE PAID PER THE UNIT PRICE BID FOR ITEM 661 – MULCH, AS PER PLAN.

IN ADDITION TO THE REQUIREMENTS OF ITEM 653, ALL TOPSOIL WITHIN PLANTING AREAS (EXCEPT SEEDING AREAS AND BIORETENTION CELL) SHALL BE AMENDED TO INCLUDE 1" OF COMPOST PER 6" OF TOPSOIL AND INCORPORATED IN LIFTS. ALL PLANTING AREAS EXCEPT SEEDING AREAS AND BIORETENTION CELL SHALL INCLUDE A 12" LAYER OF THIS AMENDED TOPSOIL (PLANTING SOIL MIX). COMPOST SHALL BE PER ODOT 659.06, BUT LIMITED TO THE OHIO EPA RATED CLASS IV COMPOST ONLY. CONTRACTOR SHALL PROVIDE COMPOST TESTING TO ENGINEER FOR APPROVAL. REFER TO PLANTING DETAILS FOR ADDITIONAL INFORMATION. THIS ITEM SHALL BE PAID PER THE UNIT PRICE BID FOR ITEM SPECIAL – PLANTING SOIL MIX.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, WARRANTY, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICES BID.

ITEM 832 – STORM WATER POLLUTION PREVENTION PLAN, AS PER PLAN

THE STORM WATER POLLUTION PREVENTION PLAN AS NOTED, SHOWN, AND DETAILED ON THE PLANS IS PRELIMINARY AND FOR REFERENCE ONLY. THE CONTRACTOR SHALL BE RESPONSIBLE FOR FOLLOWING ALL REQUIREMENTS OF ODOT SS 832 INCLUDING FINALIZING, UPDATING, AND MAINTAINING THE STORM WATER POLLUTION PREVENTION PLAN THROUGHOUT CONSTRUCTION.

THE CONSTRUCTION DOCUMENTS UTILIZE BIORETENTION CELLS FOR POST-CONSTRUCTION STORM WATER TREATMENT. CONSTRUCT THE WATER QUALITY BMP AFTER ALL CONTRIBUTING DRAINAGE AREAS ARE AT LEAST 70% STABILIZED TO THE REQUIREMENTS OF THE CONTRACT DOCUMENTS AND TO THE SATISFACTION OF THE ENGINEER. DO NOT USE THE COMPLETED BIORETENTION AREAS AS TEMPORARY SEDIMENT CONTROL FACILITIES DURING CONSTRUCTION ACTIVITIES.

DO NOT OPERATE HEAVY EQUIPMENT WITHIN THE PERIMETER OF A BIORETENTION CELL DURING EXCAVATION, UNDERDRAIN PLACEMENT, BACKFILLING, PLANTING OR MULCHING OF THE FACILITY.

ITEM SPECIAL – MISC.: EXISTING PARKING LOT RECONFIGURATION

THIS ITEM CONSISTS OF REMOVAL OF EXISTING PAVEMENT STRIPING, FOG SEAL OF EXISTING PARKING LOT, PARKING LOT STRIPING AND ACCESSIBLE PARKING STRIPING.

OBLITERATE EXISTING PAVEMENT STRIPING IN ARBY'S EXISTING PARKING LOT BY USE OF SMALL, WALK BEHIND GRINDING OR WATER BLASTING EQUIPMENT. DO NOT DAMAGE PAVEMENT UNDERNEATH STRIPING.

APPLY FOG SEAL TO EXISTING ASPHALT PAVEMENT PER ITEM 407. MATERIAL SHALL BE EMULSIFIED ASPHALT PER 702.04 OF SUITABLE GRADE AND CONSISTENCY FOR APPLICATION.

RESTRIPE ARBY'S PARKING LOT AND APPLY NEW PAVEMENT MARKINGS PER PLANS AND PER ITEM 642.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICES BID.

ITEM SPECIAL – PARKING LOT EXPANSION PAVEMENT MARKINGS

THIS ITEM CONSISTS OF PARKING LOT STRIPING AND PAVEMENT MARKINGS IN EXPANDED PARKING LOT AREA AT ARBY'S.

STRIPE ARBY'S PARKING LOT AND APPLY NEW PAVEMENT MARKINGS PER PLANS AND PER ITEM 642.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICES BID.

ITEM SPECIAL – REPURPOSED BOULDER RETAINING WALL

THIS ITEM CONSISTS OF INSTALLING FULLY FUNCTIONING REPURPOSED BOULDER RETAINING WALL ON SITE USING BOULDERS SALVAGED AND STOCKPILED FROM A NUMBER OF LOCATIONS THROUGHOUT THE PROJECT LIMITS AND ARBY'S PROPERTY. BOULDERS SHALL BE SELECTED THAT ARE APPROPRIATELY SIZED TO CREATE A SELF-SUPPORTING, STABLE, DURABLE RETAINING WALL. INSTALL IN THE LOCATION AND AS SHOWN ON THE PLANS. THIS ITEM ALSO INCLUDES #57 AGGREGATE BASE, EXCAVATION, BACKFILLING AND COMPACTING SOIL BEHIND WALL, AND COMPACTING SUBGRADE FOR WALL CONSTRUCTION. TIMBER RAIL WILL BE INSTALLED ADJACENT TO WALL WHERE SHOWN ON PLANS. TIMBER RAIL IS PAID FOR IN A DIFFERENT ITEM.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICES BID.

ITEM SPECIAL – REPURPOSED BOULDERS LOCATED ON SITE

THIS ITEM CONSISTS OF REMOVING AND STOCKPIILING BOULDERS FROM A NUMBER OF LOCATIONS THROUGHOUT THE PROJECT LIMITS AND ARBY'S PROPERTY. ONCE CONSTRUCTION CONDITIONS ALLOW, BOULDERS SHALL BE MOVED FROM STOCKPILE AND ARRANGED AS SHOWN ON THE PLANS. PLACE REPURPOSED BOULDERS IN AN ORDERLY MANNER. THE ARRANGEMENT SHALL HAVE THE SMALLEST BOULDERS STARTING NEAR STA 216+00 THAT GRADUALLY INCREASE IN SIZE TO THE LARGEST SIZE BOULDERS AT THE CENTER OF ARRANGEMENT NEAR STA 217+25 AND THEN GRADUALLY DECREASE IN SIZE TO THE SMALLEST BOULDERS AT THE END OF THE ARRANGEMENT NEAR STA 218+50. SPACING SHALL BE ADJUSTED TO ACCOMMODATE THE USE OF ALL BOULDERS (MINUS THE BOULDERS SELECTED TO BE USED FOR REPURPOSED BOULDER RETAINING WALL). THE CREATION OF AN ABUTTING STAGGERED SECOND ROW OF BOULDERS MAY BE NECESSARY.

CONTRACTOR SHALL SELECT THE BOULDERS TO BE USED FOR REPURPOSED BOULDER RETAINING WALL PRIOR TO PLACING BOULDERS NEAR STATION 217+25 TO 218+50.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICES BID.

ITEM SPECIAL – BIKE RACK

THIS ITEM CONSISTS OF INSTALLING FULLY FUNCTIONING BIKE RACK AS PER DRAWINGS AND SPECIFICATIONS.

BIKE RACK SHALL BE ONE OF THE FOLLOWING:

BASIS OF DESIGN: DOWNTOWN RACK (IN-GROUND MOUNT) BY AMERICAN BICYCLE SECURITY COMPANY; P.O. BOX 7359, VENTURA, CA 93006; PH: (800) 245-3723; WEBSITE: WWW.AMERIBIKE.COM; E-MAIL: TURTLE@AMERIBIKE.COM. MODEL NUMBER SHALL BE DRT-IG. FINISH SHALL BE THERMOPLASTIC POWDER COAT, COLOR TO BE BLACK. IN GROUND MOUNT.

INVERTED-U WIDE SQUARE TUBE BIKE RACK, IN-GROUND MOUNT (ITEM #116-1027) BY THE PARK CATALOG/ HIGHLAND PRODUCTS GROUP; 220 CONGRESS PARK DRIVE, SUITE 215; DELRAY BEACH, FL 33445; PH: 866-293-8528. FINISH SHALL BE DOUBLE-COAT POLYESTER POWDER COAT, COLOR TO BE BLACK. IN GROUND MOUNT.

ST INVERTED U, WIDE, EMBEDDED BIKE RACK BY SPORTWORKS; 15540 WOOD RED RD. NE, BUILDING A-200; WOODINVILLE, WA 98072; PH: 425-488-9001. FINISH SHALL BE THERMOPLASTIC POWDER COAT (PPA-571). COLOR TO BE BLACK. IN GROUND MOUNT.

CONTRACTOR SHALL SUBMIT MANUFACTURER'S PRODUCT DATA, STORAGE AND HANDLING REQUIREMENTS AND RECOMMENDATIONS, INSTALLATION METHODS AND AVAILABLE COLORS, STYLES, PATTERNS AND TEXTURES FOR ENGINEER'S APPROVAL AND SELECTION. CONTRACTOR SHALL SUBMIT MANUFACTURER'S SHOP DRAWINGS, INCLUDING PLANS AND ELEVATIONS, INDICATING OVERALL DIMENSIONS. CONTRACTOR SHALL SUBMIT MANUFACTURER'S SAMPLES OF MATERIALS, FINISHES, AND COLORS FOR ENGINEER'S SELECTION AND APPROVAL PRIOR TO PURCHASE. CONTRACTOR SHALL INCLUDE MANUFACTURER'S STANDARD WARRANTY AND INCLUDE ONE YEAR FROM DATE OF INVOICE AGAINST DEFECTS IN MATERIALS AND WORKMANSHIP.

HANDLE PRODUCTS IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. STORE PRODUCTS IN MANUFACTURER'S ORIGINAL PACKAGING UNTIL READY FOR INSTALLATION. PROTECT PRODUCTS FROM IMPACTS AND ABRASION DURING STORAGE.

CONTRACTOR SHALL EXAMINE AREAS TO RECEIVE BIKE RACKS AND NOTIFY ENGINEER IMMEDIATELY OF CONDITIONS THAT WOULD ADVERSELY AFFECT INSTALLATION OR SUBSEQUENT USE. DO NOT BEGIN INSTALLATION UNTIL UNACCEPTABLE CONDITIONS ARE CORRECTED.

INSTALL IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS FOR IN GROUND MOUNTING AT LOCATIONS INDICATED ON THE DRAWINGS. INSTALL LEVEL AND PLUMB.

REPAIR MINOR DAMAGES TO FINISH ONLY AS APPROVED BY THE ENGINEER IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. REMOVE AND REPLACE DAMAGED COMPONENTS THAT CANNOT BE SUCCESSFULLY REPAIRED AS DETERMINED AND APPROVED BY THE ENGINEER.

CLEAN RACK PROMPTLY AFTER INSTALLATION IN ACCORDANCE WITH MANUFACTURER'S INSTRUCTIONS. NOT USE HARSH CLEANING MATERIALS OR METHODS THAT COULD DAMAGE FINISH.

PROTECT INSTALLED RACKS TO ENSURE THAT, EXCEPT FOR NORMAL WEATHERING, RACKS WILL BE WITHOUT DAMAGE OR DETERIORATION AT TIME OF SUBSTANTIAL COMPLETION.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM SPECIAL – TRASH RECEPTACLE

THIS ITEM CONSISTS OF INSTALLING FULLY FUNCTIONING TRASH RECEPTACLE AS PER DRAWINGS AND SPECIFICATIONS. TRASH RECEPTACLE SHALL BE SURFACE MOUNTED AS PER MANUFACTURERS' SPECIFICATIONS. PROVIDE ONE OF THE FOLLOWING:

BASIS OF DESIGN: COMBINATION TRASH AND RECYCLING RECEPTACLE MODEL SD-242 (IRONSITES COLLECTION) BY VICTOR STANLEY, INC.; P.O. DRAWER 330, DUNKIRK, MD 20754; PH: 368-2573; WEBSITE: WWW.VICTORSTANLEY.COM; E-MAIL: SALES@VICTORSTANLEY.COM. SIDE OPENING, TWO 36 GAL LINERS, COLOR-MATCHING RAIN BONNET LID, VINYL DECALS; COLOR TO BE BLACK.

DOUBLE CASSIDY RECEPTACLE SKU #08CL1728 BY BARCO PRODUCTS COMPANY; 24 N. WASHINGTON AVE., BATAVIA, IL 60510; PH: 800-338-2697. TWO 32 GAL LINERS, COLOR MATCHING CABLE-SECURED RAIN BONNET STEEL LIDS, ADHESIVE LABELS; FINISH TO BE POWDER COATED BLACK.

CITYVIEW DUAL BODY RECEPTACLE MODEL #CV2-6001 BY SITESCAPES, P.O. BOX 22326, LINCOLN, NE 68542 ; PH: 888-331-9464. SIDE OPENING DOOR WITH LOCK, TWO 36 GAL. LINERS, COLOR MATCHING DOME TOP, BLACK DURACOAT FINISH.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM SPECIAL – DRINKING FOUNTAIN

THIS ITEM CONSISTS OF INSTALLING FULLY FUNCTIONING WATER FOUNTAIN AS PER DRAWINGS AND PER ITEM 638 INCLUDING AGGREGATE DRAIN AS SHOWN ON THE PLANS. WATER LINE FROM FLUSH RESTROOM TO DRINKING FOUNTAIN LOCATION IS PAID IN ANOTHER ITEM. PROVIDE ONE OF THE FOLLOWING:

BASIS OF DESIGN: 10155 SM BOTTLE FILLER W/ PET FOUNTAIN AND BOTTLE FILLER BY MOST DEPENDABLE FOUNTAINS, INC., 5705 COMMANDER DR, ARLINGTON, TN 38002-0587, PH: (800) 552-6331. WEBSITE: WWW.MOSTDEPENDABLE.COM. SURFACE MOUNT PER MANUFACTURER SPECIFICATIONS. PROVIDE SEASONAL COVER FOR BOWLS AND PET FOUNTAIN. FINISH SHALL BE BLACK.

OUTDOOR BOTTLE FILLER WITH DRINKING FOUNTAIN AND PET BOWL MODEL # CWBF-3-RPB-HC-PET BY WILLOUGHBY STAINLESS FOUNTAINS, WEST 78TH ST., INDIANAPOLIS, IN 46268; PH: 800-428-4065. BLACK POWDER COAT FINISH. PROVIDE SEASONAL BOWL COVERS.

OUTDOOR EZH2O BOTTLE FILLING STATION BI-LEVEL, PEDESTAL, WITH PET STATION, FREEZE RESISTANT, MODEL #LK4420BF1UDBFRK BY ELKAY, 2222 CAMDEN CT., OAK BROOK, IL 60523; PH: 800-476-4106. SEALED SANITARY FREEZE RESISTANT VALVE SYSTEM. BLACK POWDER COAT FINISH.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

ITEM SPECIAL – REINSTALLATION OF SALVAGED DRINKING FOUNTAIN

THIS ITEM CONSISTS OF REINSTALLING FULLY FUNCTIONING DRINKING FOUNTAIN SALVAGED UNDER A SEPARATE ITEM AS PER DRAWINGS AND PER ITEM 638.

INSTALL NEW FOUNDATION PER FOUNTAIN MANUFACTURER'S INSTRUCTIONS. PROVIDE 1" DIAMETER COPPER WATER SERVICE FROM EXISTING METER VAULT TO NEW DRINKING FOUNTAIN LOCATION. PIPE SHALL MEET THE REQUIREMENTS OF ASTM SPECIFICATION B-88, TYPE K, AND SHALL BE ROUND, SEAMLESS, COLD DRAWN TO SIZE AND FURNISHED WITH PROPER BENDING TEMPER. INCLUDE COST OF 1" WATER SERVICE IN THE UNIT PRICE BID FOR REINSTALLATION OF SALVAGED DRINKING FOUNTAIN.

ALL EQUIPMENT, LABOR, TOOLS, MATERIALS, SUBMITTALS AND INCIDENTALS NECESSARY TO COMPLETE THIS ITEM SHALL BE INCLUDED IN THE UNIT PRICE BID.

CALCULATED
SDK
CHECKED
SDK

GENERAL NOTES

CITY OF CHARDON
MAPLE HIGHLANDS TRAIL PHASE 2

4
48

