

ADDENDUM 1

August 5, 2025

To All Bidders:

This Addendum alters and amends the original Bid Documents.

- Replace Plan Sheet C1 with Plan Sheet C1 (Addendum 1)
- Replace Plan Sheet C5 with Plan Sheet C5 (Addendum 1)
- Add P1 Trench and Bedding Detail to end of Plan Set
- Replace Proposal Sheet with Proposal Sheet (Addendum 1)
- Replace Sheets BD.10 to BD.15 with BD.12 to BD.15 (Addendum 1)
- See attached Question and Answer Sheet

You must indicate receipt of Addendum 1, on your Bid Form.

END OF ADDENDUM 1

GENERAL NOTES:

1. CONTRACTOR SHALL REPLACE AT THEIR OWN EXPENSE, ANY ITEM NOT SPECIFICALLY LISTED FOR REMOVAL THAT IS DAMAGED OR DESTROYED BY THEIR OPERATION. THE CONTRACTOR SHALL SUPPORT AND PROTECT ALL UTILITIES AND CONNECTIONS AS REQUIRED. THE CONTRACTOR SHALL RESTORE ALL DISTURBED AREAS TO ORIGINAL OR BETTER CONDITION AT NO ADDITIONAL COST TO THE CONTRACT.
2. ANY DEFECTS IN THE CONSTRUCTION, INCLUDING MATERIALS OF WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY REMOVAL AND REPLACEMENT OR BY ANY OTHER APPROVED METHODS PRIOR TO ACCEPTANCE.
3. VERIFY EXISTING CONDITIONS PRIOR TO CONSTRUCTION AND NOTIFY THE ENGINEER IMMEDIATELY OF ANY VARIANCES FROM THOSE SHOWN ON THE PLANS.
4. ALL WORK IS TO BE COORDINATED WITH THE CITY OF MENTOR ENGINEERING AND BUILDING DEPARTMENT. VEHICULAR MAINTENANCE OF TRAFFIC WILL BE OF THE UTMOST IMPORTANCE. A MINIMUM ONE WEEK NOTICE IS REQUIRED TO BE PROVIDED TO THE CITY BEFORE WORK CAN PROCEED. IF A LANE CLOSURE IS REQUIRED, THE CONTRACTOR SHALL SUBMIT A MAINTENANCE OF TRAFFIC PLAN TO THE CITY TO BE APPROVED BEFORE WORK CAN COMMENCE. ALL WORK ZONE SIGNS AND OPERATIONS SHALL BE IN ACCORDANCE WITH THE MOST RECENT EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES. LANE CLOSURES WILL BE FORWARDED TO MENTOR FIRE AND POLICE BY THE CITY ENGINEER.
5. ALL WORK AND REPAIRS IN THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE MOST UP TO DATE EDITION OF THE OHIO DEPARTMENT OF TRANSPORTATION'S CONSTRUCTION AND MATERIALS SPECIFICATIONS.
6. THE CONTRACTOR SHALL PROVIDE WRITTEN ACCESS TO ALL PROPERTY OWNERS WHOSE DRIVEWAY ACCESS WILL BE IMPACTED BY CONSTRUCTION OPERATIONS AT LEAST 48 HOURS IN ADVANCE.
7. CONTRACTOR SHALL NOT WORK ON MAJOR HOLIDAYS THAT THE MENTOR CITY HALL IS CLOSED FOR.
8. CONTRACTOR IS RESPONSIBLE FOR MAINTAINING A SAFE WORK ENVIRONMENT AND IS RESPONSIBLE FOR FOLLOWIN G ALL REQUIRED LOCAL, STATE, AND FEDERAL REGULATIONS.
9. CONTRACTOR MAY START WORK ON SEPTEMBER 22. DURING THE PROJECT, THE CONTRACTOR MAY ONLY SHUT DOWN HALF OF THE PARKING LOT AT A TIME. ALL PARTIAL CLOSURES MUST BE COORDINATED WITH THE CITY ENGINEERING DEPARTMENT AND THE CITY PARKS DEPARTMENT. CLOSERS REQUIRE A 1 WEEK MINIMUM NOTICE CONTRACTOR SHALL SUBMIT A SCHEDULE FOR APPROVAL BEFORE BEGINNING OF WORK.
10. LIGHT POLES TO BE PROVIDED BY THE CITY AND ASSEMBLED AND INSTALLED BY THE CONTRACTOR.

DEMOLITION, EXCAVATION, AND GRADING NOTES:

1. CONTRACTOR SHALL CONTACT OHIO UTILITY PROTECTION SERVICES BEFORE ANY EXCAVATION CAN TAKE PLACE TO VERIFY EXISTENCE AND LOCATION, ALIGNMENT, AND ELEVATIONS OF UTILITIES. CONTRACTOR SHALL USE DUE CARE WHEN OPERATING.
2. CONTRACTOR SHALL REMOVE ALL DEMOLISHED MATERIALS AND DISPOSE OF LEGALLY OFF-SITE.
3. CONTRACTOR SHALL PROTECT ALL UTILITIES DURING OPERATIONS
4. ALL GRADING SHALL ALLOW FOR POSITIVE DRAINAGE DURING AND AFTER CONSTRUCTION.

5. ALL STRUCTURES LOCATED IN THE GROUND SHALL BE FLUSH WITH ITS SURROUNDING SURFACE.
6. RESTORATION OF GREEN SPACE BEHIND NEW CURB SHALL HAVE A MAXIMUM SLOPE OF 3:1 FROM TOP OF CUURB TO EXISTING GRADE. CONTRACTOR SHALL PLACE 4" MINIMUM TOPSOIL IN ALL RESTORED AREAS, TO BE PAID UNDER SEEDING AND MULCHING LINE ITEM.

EROSION NOTES:

- 1 ALL CONSTRUCTION AREAS SHALL HAVE POSITIVE DRAINAGE DURING AND AFTER CONSTRUCTION.
2. CONTRACTOR SHALL FOLLOW ALL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH ODOT SUPPLEMENTAL SPECIFICATION 832.
3. CONTRACTOR SHALL COMPLY WITH ALL REQUIRED STORM WATER POLLUTION PREVENTION AS REQUIRED BY LOCAL, STATE, OR FEDERAL REQUIREMENTS.
4. CONTRACTOR SHALL TAKE CARE TO NOT TRACK DIRT AND MUD ALONG PUBLIC AND PRIVATE DRIVEWAYS. CONTRACTOR WILL BE REQUIRED TO SWEEP STREET IF NOT FOLLOWED, AT COST TO THE CONTRACTOR.

CONCRETE NOTES:

1. REFER TO ODOT STANDARD DRAWING BP-5.1 FOR CURB STANDARD DETAILS
2. ALL EXPOSED CONCRETE SHALL MEET QC1 REQUIREMENTS AND HAVE 7% +/-2% AIR CONTENT
3. CONTRACTOR SHALL NOT USE FLY ASH, SLAG CEMENT, OR CALCIUM CHLORIDE IN ANY CONCRETE.

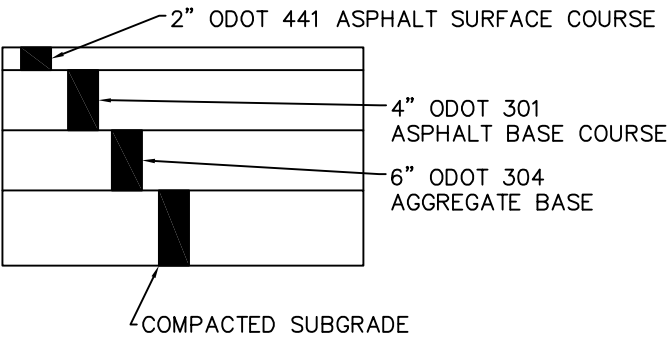
STORMWATER NOTES:

1. WHERE THE PLANS PROVIDE FOR NEW CONDUIT TO BE CONNECTED TO OR CROSS OVER OR UNDER AN EXISTING UTILITY, THE CONTRACTOR SHALL THE EXISTING UTILITY BOTH AS TO LINE AND GRADE BEFORE LAYING THE NEW CONDUIT
2. CONTRACTOR SHALL JET CLEAN ALL STORM SEWERS AND VACUUM CLEAN ALL MANHOLES AND CATCH BASINS BEFORE ACCEPTANCE BY THE OWNER.
3. ALL STORM SEWER PIPE SHALL BE HIGH-DENSITY POLYETHYLENE.
4. ALL STORM SEWER JOINTS AND PIPES SHALL BE WATERTIGHT.
5. THE CONTRACTOR SHALL INCLUDE THE COST OF ANY BACKFILL MATERIAL UNDER ALL PROPOSED PAVEMENTS IN THE BID PER LINEAR FOOT OF PIPE.
6. REFER TO ODOT STANDARD DRAWING CB-2.2ABC FOR CATCH BASIN STANDARD DRAWINGS.
7. REFER TO ODOT STANDARD DRAWING MH-3 FOR MANHOLE STANDARD DRAWINGS.
8. AT BENDS IN THE STORM SEWER, CONTRACTOR SHALL JOIN PIPE USING 2 45-DEGREE CONNECTIONS.
9. USE BOOTED FITTINGS FOR ALL CONNECTIONS.

PAVEMENT NOTES:

1. ALL ASPHALT USED SHALL BE IN ACCORDANCE WITH THE APPROPRIATE ODOT CMS SECTIONS, BE AN ACTIVE JOB MIX FORMULA, AND APPROVED BY THE CITY OF MENTOR PRIOR TO PLACEMENT.
2. ALL ASPHALT PLACED SHALL ALLOW FOR POSITIVE DRAINAGE.

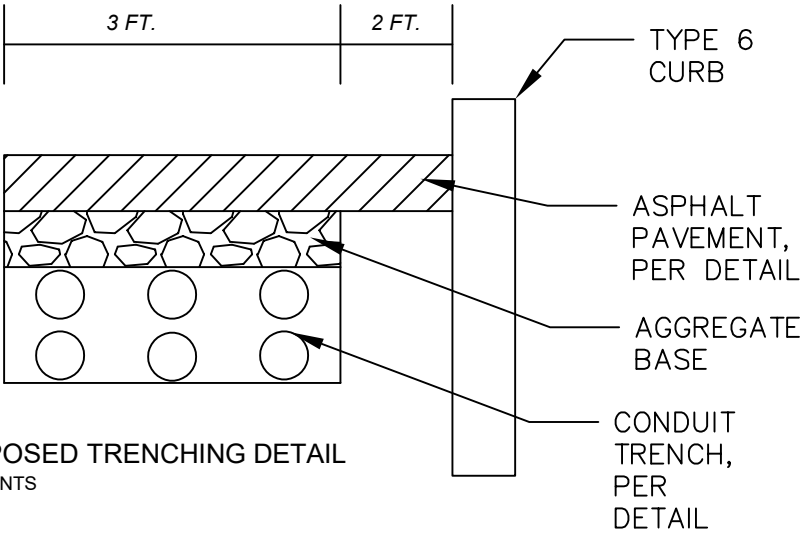
3. NEW PAVEMENT IN EXCAVATED AREAS SHALL BE 12" THICK WITH 6" OF 304 AGGREGATE BASE, 4" OF ODOT 301 ASPHALT CONCRETE BASE COURSE, AND 2" ODOT 441 OF ASPHALT CONCRETE SURFACE COURSE.
4. ALL ASPHALT USED FOR THE SURFACE COURSE SHALL BE THE SAME MIX AND BE APPROVED BY THE CITY OF MENTOR BEFORE PLACEMENT.
5. 304 AGGREGATE BASE SHALL BE USED AS A BACKFILL FOR ALL TRENCHING IN THE PARKING LOT. PAVEMENT OVER TRENCH SHALL CONFORM TO NEW PAVEMENT TYPICAL SECTION.
6. CONTRACTOR IS RESPONSIBLE FOR BACK FILLING AREAS FROM REMOVED POWER POLES. CONTRACTOR SHALL BACKFILL WITH PREMIUM BACKFILL ODOT 304 OR LOW STRENGTH MORTAR, WITH ENGINEER'S APPROVAL.



NEW PAVEMENT TYPICAL SECTION

PAINT NOTES:

1. ALL PARKING STALLS SHALL HAVE PAINT THAT CONFORMS TO ODOT CMS ITEM 642. COLOR SHALL BE WHITE.
2. ALL ADA ACCESSIBLE STALLS SHALL HAVE AN ADA SYMBOL PAINTED ON THE ASPHALT AND HAVE A SIGN INDICATING THE SPACE IS AN ADA SPACE. VAN ACCESSIBLE SPACES SHALL ALSO HAVE A SIGN INDICATING THAT DISTINCTION. ALL ITEMS SHALL BE INCLUDED IN A SINGLE LINE ITEM LABELED "ADA IDENTIFICATION" IN THE CONTRACTOR'S BID.
3. CONTRACTOR SHALL STRIPE PARKING LOT TWICE. ONCE IMMEDIATELY AFTER PAVING AND AGAIN A MINIMUM 28 DAYS AFTER PAVING.



PROPOSED TRENCHING DETAIL
SCALE: NTS

General Notes

1	ADDENDUM 1	8/4/25
No.	Revision/Issue	Date

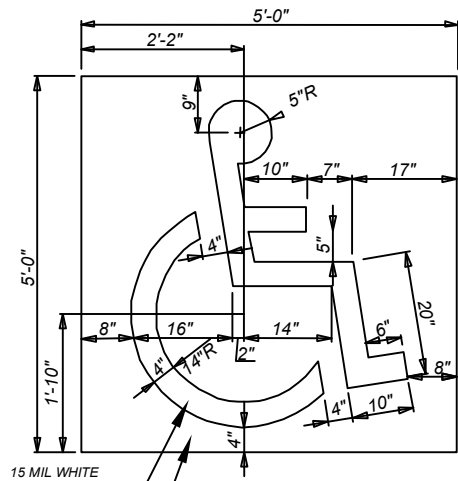
Firm Name and Address

City of Mentor
8500 Civic Center Boulevard
Mentor, Ohio 44060-2499
440-255-1100

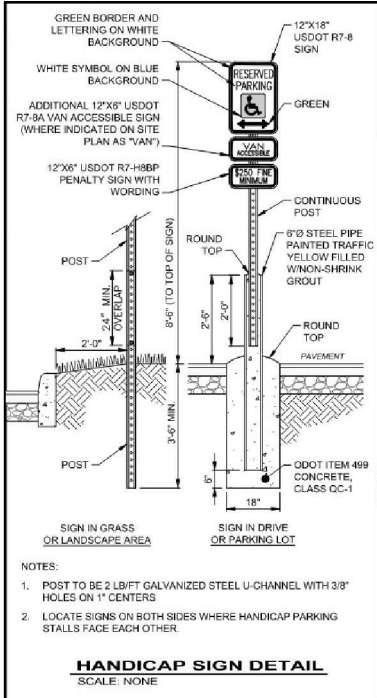
Project Name and Address

**BLACK BROOK
GOLF COURSE
PARKING LOT
IMPROVEMENTS**

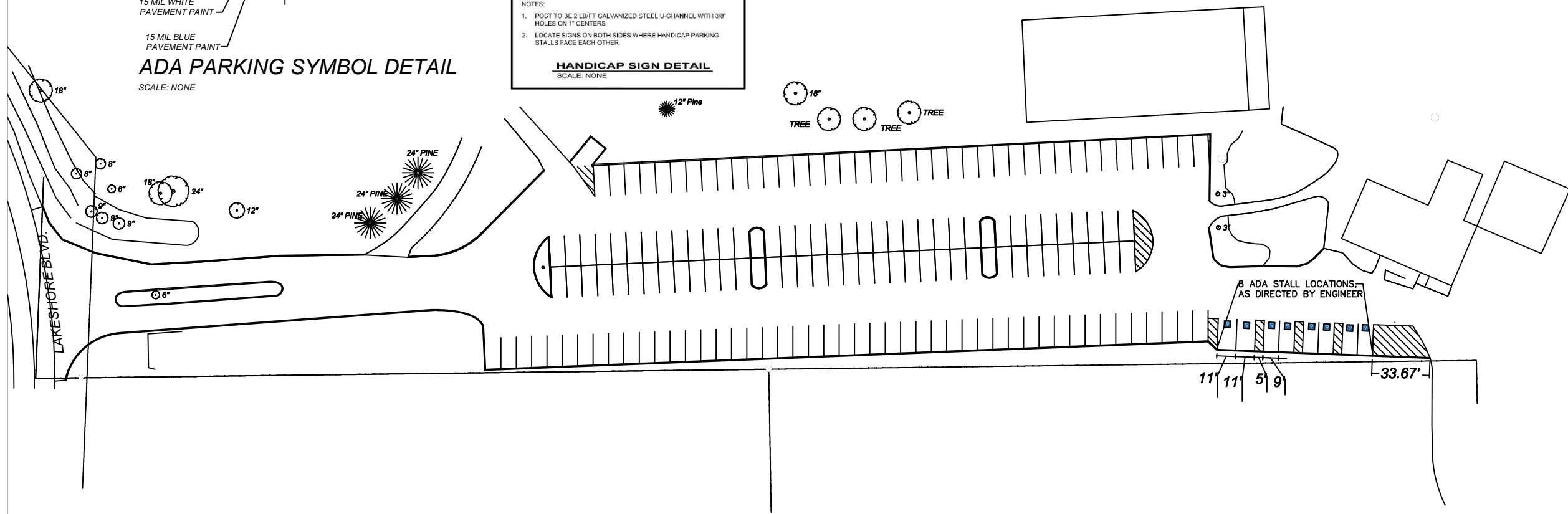
Project 2025.04	Sheet
Date 7/23/25	C1
Drawn MKW	



15 MIL WHITE PAVEMENT PAINT
15 MIL BLUE PAVEMENT PAINT
ADA PARKING SYMBOL DETAIL
SCALE: NONE



HANDICAP SIGN DETAIL
SCALE: NONE



NOTES:
ALL PAINTED AREAS SHALL RECEIVE 2 COATS OF PAINT WITH A 4 WEEK MIN. BETWEEN COATS

ADA POSTS SHALL BE PLACED IN THE GREEN SPACE IN THE CENTER OF PARKING STALLS. ANY STALL THAT IS AT LEAST 11 FEET WIDE SHALL ALSO INCLUDE A VAN ACCEPTABLE SIGN PLACED BELOW THE MAIN ADA PARKING SIGN.

General Notes

PAINTING PLAN
SCALE: 1"=70'

1	ADDENDUM 1	8/4/25
No.	Revision/Issue	Date

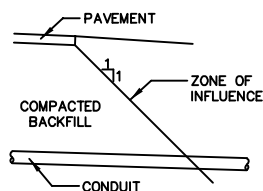
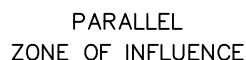
Firm Name and Address

 **City of Mentor**
8500 Civic Center Boulevard
Mentor, Ohio 44060-2499
440-255-1100

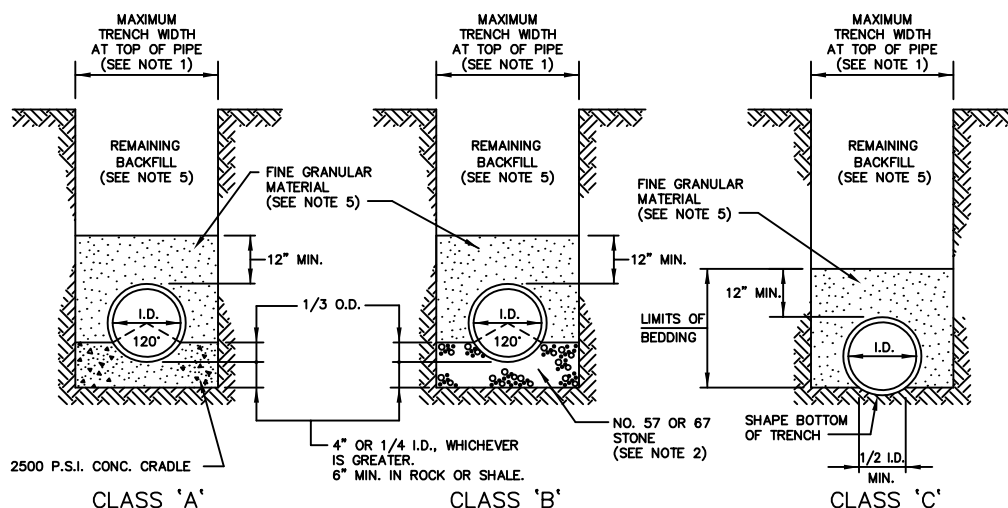
Project Name and Address

**BLACK BROOK
GOLF COURSE
PARKING LOT
IMPROVEMENTS**

Project 2025.04	Sheet C5
Date 7/23/25	
Drawn MKW	



TRANSVERSE
ZONE OF INFLUENCE



1. MAXIMUM TRENCH WIDTH AT TOP OF PIPE SHALL BE O.D.+ 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D.; O.D.+ 30" FOR PIPE LARGER THAN 24" I.D. TO 54" I.D. AND O.D.+ 48" FOR PIPE SIZES 60" AND OVER.
2. PIPE BEDDING SHALL BE NO. 57 OR NO. 67 STONE.
3. ALL BEDDING SHALL BE CLASS 'B' UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. CLASS 'A' BEDDING SHALL BE USED FOR ALL PIPE UNDER PAVED AREAS WITH LESS THAN 18" COVER TO PAVEMENT SUBGRADE.
4. WATERLINE BEDDING SHALL BE CLASS 'C'.
5. a) PIPE BACKFILL UNDER EXISTING OR PROPOSED PAVEMENT, STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL OR TRANSVERSE TO PAVEMENT AND STRUCTURES SHALL BE NO. 57 OR NO. 67 STONE OR ITEM 613 LOW STRENGTH MORTAR BACKFILL TO 12" ABOVE TOP OF PIPE. REMAINING TRENCH BACKFILL UNDER EXISTING OR PROPOSED PAVEMENT AND STRUCTURES OR WITHIN A 1:1 ZONE OF INFLUENCE PARALLEL OR TRANSVERSE TO EXISTING OR PROPOSED PAVEMENT AND STRUCTURES SHALL BE O.D.O.T. ITEM 304 STONE OR ITEM 613 LOW STRENGTH MORTAR BACKFILL TO TOP OF TRENCH. IF ITEM 304 IS USED, TRENCH BACKFILL SHALL BE TAMPED IN 4" LIFTS COMPACTED TO 98% OF MAXIMUM DRY DENSITY PER STANDARD PROCTOR (ASTM D698).
- b) IN AREAS OUTSIDE PAVEMENT, STRUCTURES OR THE 1:1 ZONE OF INFLUENCE, SELECT FRIABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER MAY BE USED FOR R.C.P. AND D.I.P.; NO. 57 OR NO. 67 STONE SHALL BE USED FOR V.C.P. AND THERMOPLASTIC PIPE TO 12" ABOVE TOP OF PIPE. FOR REMAINDER OF TRENCH BACKFILL, SELECT FRIABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER MAY BE USED.
6. SLAG SHALL NOT BE USED FOR BEDDING OR BACKFILL.
7. CLAY DAMS SHALL BE REQUIRED WHEN AND WHERE NECESSARY PER PLAN OR AS DIRECTED BY THE ENGINEER.
8. ALL UTILITY CROSSINGS UNDER THE PROPOSED STORM SEWER SHALL BE PROPERLY BACKFILLED PER CITY STANDARDS.

TRENCH & BEDDING DETAILS (CITY OF MENTOR)

ADDENDUM 1 8/4/25



City of Mentor
8500 Civic Center Boulevard
Mentor, Ohio 44060-2499
440-255-1100

STANDARD DETAIL

TRENCH AND BEDDING

P-1

Proposal to the City of Mentor

For Black Brook Golf Course Parking Lot Improvements

REF. NO.	DESCRIPTION	QTY.	MEASURE UNITS	UNIT PRICE LABOR	UNIT PRICE MATERIAL	TOTAL UNIT PRICE	ITEM TOTAL
1	(624) MOBILIZATION	1	LUMP				\$ -
2	(SPC) BOND & INSURANCE	1	LUMP				\$ -
3	(659) SEEDING AND MULCHING	1	LUMP				\$ -
4	(203) EXCAVATION	207	CY				\$ -
5	(254) PAVEMENT PLANING, BITUMINOUS, AS PER PLAN	1,100	SY				\$ -
6	(202) PAVEMENT REMOVED	100	SY				\$ -
7	(304) AGGREGATE BASE	102	CY				\$ -
8	(441) ASPHALT CONCRETE SURFACE COURSE, TYPE 1, PG64-22	320	CY				\$ -
9	(301) ASPHALT CONCRETE BASE COURSE, TYPE 1	70	CY				\$ -
10	(SPC) ASPHALT LEVELING COURSE, AS DIRECTED, 0.5-INCH	110	CY				\$ -
11	(609) CURB, TYPE 6	1920	FT				\$ -
12	(611) CATCH BASIN	5	EACH				\$ -
13	(611) MANHOLE	1	EACH				\$ -
14	(611) 12" CONDUIT, TYPE B	850	FT				\$ -
15	(SPC) JET & VACUUM CLEAN STORM SEWER	1	LUMP				\$ -
16	(642) PARKING LOT MARKINGS	1	LUMP				\$ -
17	(SPC) ADA IDENTIFICATION	8	EA				\$ -

18	(SPC) NEW SERVICE	1	LUMP				\$ -
19	(625) 4" CONDUIT	5000	FT				\$ -
20	(SPC) SITE POLE FOUNDATION	5	EA				\$ -
21	(SPC) TRANSFORMER PAD	1	EA				\$ -
22	(SPC) SECTIONALIZING PAD	1	EA				\$ -
23	(SPC) LARGE GRADE BOX	5	EA				\$ -
24	(SPC) SMALL GRADE BOX	10	EA				\$ -
25	(SPC) 120V CIRCUITS AND CONDUIT	1	LUMP				\$ -
26	(SPC) SPARE CONDUIT FOR FUTURE IRRIGATION	700	FT				\$ -
27	(SPC) ALLOWANCES - 45KVA GENERATOR						\$ 25,000.00
28	(SPC) ALLOWANCES - UTILITY COSTS						\$ 20,000.00
29	(SPC) CONTINGENCY						\$ 50,000.00
						Total	\$

PRICES TO INCLUDE

PART 1 - GENERAL

Any work shown on the plans or required in the specifications but not paid for separately as a bid item shall be included in the cost of other bid items. The amount bid for each Bid Item shall include the following:

- 1.1 All labor, materials, tools, equipment, and transportation necessary for the proper execution of the work in accordance with the Contract Documents.
- 1.2 All assistance required by the Engineer to verify compliance with the Contract Documents, including measuring for final pay quantities.
- 1.3 Project coordination and scheduling, including hand delivery of resident notification letters.
- 1.4 All provisions necessary to protect workmen, the general public, and property along the work in accordance with the Contract Documents.
- 1.5 Reimbursement to Owner for costs of re-inspection or re-testing of any work not installed in compliance with the Contract Documents.
- 1.6 Construction staking of the improvements.
- 1.7 All erosion control measures commensurate with the Contractor's means and methods.
- 1.8 Mobilization.
- 1.9 Bonds and Insurances (including "Owner/Contractor Protective Policy," and any endorsements, as required).
- 1.10 Landscaping disturbed during construction.
- 1.11 Restoration of disturbed land as a result of construction with topsoil, seed and mulch.

PART 2 - ITEMS

ALL ITEMS

All work proposed by this contract shall be quantified and paid for in accordance with the pertinent O.D.O.T. specification except as specifically altered by other provisions of this contract.

2.1 EXCAVATION

Basis of Payment

Payment shall be made in accordance with ODOT Item 203 and shall also include the cost for removal of all excavated materials, including trucking and grading of subbase.

2.2 AGGREGATE BASE

Basis of Payment

Payment shall be in accordance with ODOT Item 304 and shall include also the cost of all labor and materials under this item including grading of the aggregate base.

2.3 PAVEMENT PLANING, (BITUMINOUS), AS PER PLAN

Basis of Payment

Payment shall be made in accordance with ODOT Item 254. Planing depths shall be as specified by the engineer for each street. See quantity worksheets in section 01010 for specific bituminous planing depths.

2.4 PAVEMENT REMOVED

Basis of Payment

Payment shall be made in accordance with ODOT CMS section 202 and be inclusive of all labor and materials involved with full depth removal of the pavement.

2.5 ASPHALT CONCRETE SURFACE COURSE TYPE 1, PG64-22

Basis of Payment

This work shall consist of constructing courses of asphalt concrete in accordance with plans and the requirements of ODOT Item 448 except as specifically amended herein. Material tickets validating the proper type of asphalt (approved JMF) shall be submitted to the City inspector prior to installation. The surface course shall be Item 448 asphalt concrete surface course, type 1, PG64-22. All asphalt concrete pavements and bituminous aggregate base shall be placed with a paving machine. The use of a spreader box will not be permitted. Bid price shall be inclusive of the cost of tack coat needed for material placement. Sawed and milled butt joints shall be constructed at all locations where new asphalt meets existing asphalt or existing concrete streets and sealed with asphalt cement. Feathered joint will not be allowed. All longitudinal joints shall be sealed in accordance with ODOT SS875 Hot Applied Asphaltic Joint Adhesive Material. Contact surfaces of curbing, gutters, manholes, catch basins, and other similar structures shall be painted with a thin, uniform coating of bituminous material prior to the asphalt surface being placed against them. The completed surface shall be checked with straight edges. The variation of the surface course from the testing edge of the 10-foot straight edge shall not exceed ¼ inch. Payment for Asphalt Concrete will be made at the contract unit prices bid per cubic yard per respective pavement course as described above, accepted in place, which price shall constitute full compensation for furnishing, handling, mixing, and placing materials, for sealing cracks as directed by the Engineer; including hot applied asphaltic joint adhesive material; for shaping, compacting, rolling and finishing; for improving unsatisfactory areas and for all labor, equipment, tools, and incidentals necessary to complete the asphalt paving, including all work stated above.

2.6 ASPHALT CONCRETE BASE COURSE, PG64-22

Basis of Payment

This work shall consist of constructing courses of bituminous aggregate base materials in accordance with plans and the requirements of Item 301, Asphalt Concrete Base, PG64-22 in the ODOT Specifications. Material tickets validating the proper type of asphalt (approved JMF) shall be submitted to the City inspector prior to installation. All asphalt concrete pavements and bituminous aggregate base shall be placed with a paving machine. The use of a spreader box will not be permitted. Payment for this work shall be made at the unit price bid for each square yard of "Asphalt Concrete Base, PG64-22", accepted in place, which price shall constitute full payment for furnishing, placing, handling and compacting all materials and for all labor, equipment, tools, and incidentals necessary to complete the work.

2.7 CONCRETE CURB, TYPE 6

Basis of Payment

Payment shall be made in accordance with ODOT Item 609 and shall include the cost of all labor and materials involved in placement of concrete curb including aggregate base, and excavation for curb.

2.8 CATCH BASIN & MANHOLE

Basis of Payment

The unit price bid shall include removal and adjustment to finished grade of the pavement of manhole/inlet basin. Payment is full compensation for all labor, equipment, incidentals and materials, cutting, removal and disposal of existing materials necessary to complete this work. For **Manholes, adjustable rings will not be permitted.** Only “Hard Red” sewer/manhole brick, (ASTM C-32, grade M.S.) or precast riser(s) will be permitted. Manufactured “Manhole safety ramps” (or equal) or “Hot Mix” ramping shall be used on any castings or surfaces that protrude one and a half (1-1/2) inches or more from a milled surface (Ramping shall be a two-foot radius for manholes and butt joints. One foot ramp for aprons).

Note: cold mix, grindings or any other cold material will not be acceptable.

2.9 CONDUIT, TYPE B

Basis of Payment

Payment shall be made in accordance with ODOT Item 611 including all labor and materials involved in the installation of stormwater conduit including trenching, bedding, pipe, ODOT 304 backfill, and pavement repair matching new pavement detail included in plans.

2.10 JET & VACUUM CLEAN STORM SEWER

Basis of Payment

Contractor shall jet and vacuum clean the storm sewer line to remove all debris that may have infiltrated line during construction before final approval is made.

2.11 CLEARING AND GRUBBING

Basis of Payment

Measurement shall be in accordance with ODOT Item 201 with the following exceptions: trees of any size in the area to be cleared shall be included in the lump sum price. No additional payment shall be made for trees exceeding ODOT Item 201 size limits.

2.12 SEEDING AND MULCHING

Basis of Payment

The unit price shall include furnishing and placement of topsoil, testing of topsoil, finish grading, seed, fertilizers, lime, water, maintenance, mowing, and all else necessary to establish a grass turf over all disturbed areas to be grassed.

2.13 ADA IDENTIFICATION/PARKING LOT STALL MARKING & PARKING LOT STALL MARKING

Basis of Payment

Work under this item shall include all labor and materials involved with marking parking stalls for ADA use including, manufacture and placement of ADA compliant signs, installation of posts for ADA signs, and marking ADA stalls with the Handicap symbol.

1. **Equipment:** The contractor's striper shall be equipped with a Data Logging System (DLS) per "2010 ODOT 641.04". The contractor shall submit proof of calibration of the Data Logging System (DLS) no later than the start of work, but in no case earlier than six (6) months prior to the start of work.

Failure of the Data Logging System to function properly shall be cause to stop the work until the Data logging System made to function properly, or measurement of the work shall be done by the City and the cost of the City labor and equipment plus fifteen percent (15%) shall be deducted from payment due the contractor for the work. When measuring lane and center line marking, the Data Logging System shall be started at the first marked line and remain in operation until the end of the section being marked, where it shall be shut off and the reading of the Data Logging System recorded.

DLS reports shall be submitted to the Engineering Dept. on every Monday following any work performed.

2. **Application Process:** This requires the contractor to apply the pavement marking paint to be applied twice (2 coats). The first coat will serves as a primer coat and is applied at the normally advised millage of 15 wet mils. After the first coat has dried/cured for a **minimum of 2 hours**, the second coat can be applied anytime, after that, at the same 15 wet mils.

MATERIAL: TYPE 1, FAST DRY WATER-BASED TYPE TRAFFIC PAINT APPLIED AT 15 MIL THICKNESS

1. **Material:** This specification covers white and yellow ready-mixed traffic paint suitable for marking various types of pavement. This paint shall meet all of the requirements for Type 1, fast dry water-based type traffic paint as specified in "Section 740.02" of the *2010 State of Ohio, Department of Transportation, Construction and Material Specifications*.

The paint shall be a suitable binder for glass beads on pavement exposed to traffic. It shall not deteriorate in storage, within one year after date of receipt, to the extent that it cannot be readily broken up with a paddle to a smooth, uniform paint capable of easy application by spray. The paint shall not bleed or discolor when sprayed on bituminous surfaces.

NOTE: 15 MIL paint shall be applied 16 gallons per mile and 6 pounds of beads per gallon.

This item shall include the costs associated replacing all existing pavement markings, in kind, on the new pavement surface. Payment will be made at the contract lump sum price bid for "(642) Parking Lot Stall, Markings" installed and accepted.

2.14 NEW SERVICE

BD.13

Basis of Payment

Work under this item shall include all work indicated on plan sheets E-1, E-2, and E-3 in the drawing set.

2.15 4" CONDUIT

Basis of Payment

Work under this item shall include all labor and materials involved with placing 4" conduit as described in plans and ODOT CMS 2023 edition section 625 including any pavement removal, trenching, bedding, and warning tape, backfill, and pavement over trench.

2.16 SITE POLE FOUNDATION

Basis of Payment

Work under this item shall include all labor and materials involved with excavating, forming, and pouring of concrete for new light pole foundations.

2.17 TRANSFORMER PAD

Basis of Payment

Work under this item shall include all work required to install transformer pre-cast concrete foundation pad.

2.18 SECTIONALIZING PAD

Basis of Payment

Work under this item shall include all work to install sectionalizing foundation pad.

2.19 LARGE GRADE BOX

Basis of Payment

Work under this item shall include all work and materials to install large size grade boxes per the plan.

2.20 SMALL GRADE BOX

Basis of Payment

Work under this item shall include all work and materials to install small size grade boxes per the plan.

2.21 120 V CIRCUITS AND CONDUITS

Basis of Payment

Work under this item shall include all work to assemble and install lighting pole assemblies, 120V circuits and conduits, splice kits, controls, pavement removal, trenching, bedding, warning tape, backfill, and pavement over trench.

2.22 SPARE CONDUIT FOR FUTURE IRRIGATION

Basis of Payment

Work under this item shall include all labor and materials for installation of future irrigation conduit including pavement removal, trenching, bedding, warning tape, backfill, and pavement over trench.

2.23 ALLOWANCE – 45KVA GENERATOR

Basis of Payment

Payment of this item shall include all costs associated with a rental generator for powering the cell tower during outages as described on plan sheet E-2.

2.24 ALLOWANCE – UTILITY COSTS

Basis of Payment

Payment of this item shall include all utility costs as explained in the Electrical Specification paragraph 1.8 on drawing page E-3.

2.25 ASPHALT LEVELING COURSE, AS DIRECTED, 0.5-INCH

Basis of Payment

This work shall consist of constructing courses of asphalt concrete in accordance with plans and the requirements of ODOT Item 448 except as specifically amended herein. Material tickets validating the proper type of asphalt (approved JMF) shall be submitted to the City inspector prior to installation. The leveling course shall be Item 448 asphalt concrete intermediate course, type 1, PG64-22. All asphalt concrete pavements and bituminous aggregate base shall be placed with a paving machine. The use of a spreader box will not be permitted. Sawed and milled butt joints shall be constructed at all locations where new asphalt meets existing asphalt or existing concrete streets and sealed with asphalt cement. Feathered joint will not be allowed. All longitudinal joints shall be sealed in accordance with ODOT SS875 Hot Applied Asphaltic Joint Adhesive Material.

Contact surfaces of curbing, gutters, manholes, catch basins, and other similar structures shall be painted with a thin, uniform coating of bituminous material prior to the asphalt surface being placed against them. Payment for Asphalt Concrete will be made at the contract unit prices bid per cubic yard per respective pavement course as described above, accepted in place, which price shall constitute full compensation for furnishing, handling, mixing, and placing materials, for sealing cracks as directed by the Engineer; including hot applied asphaltic joint adhesive material; for shaping, compacting, rolling and finishing; for improving unsatisfactory areas and for all labor, equipment, tools, and incidentals necessary to complete the asphalt paving, including all work stated above.

Black Brook Parking Lot Improvements

Contractor Submitted Questions

1. The existing east side of the parking lot edge is not a straight line. With the new Type 6 curb design on the edge, we would recommend sawcutting the existing asphalt edge and adding base paving an extra 5 feet as part of the trench repair for the primary electrical ditch.

A: Detail has been added to plan sheet C1. It would be an acceptable approach to the repairs. Trench repair would be included in pricing for line item 19 "4" Conduit."

2. Who is responsible for the repair of the holes left by the removal of the power poles by First Energy?

A: The site contractor would be responsible for the repair of the holes left by the pole removal.

3. Is there an item for the repair of trenches for all the storm sewer work?

A: Repair of the trench should be included in the pricing for line item 14 "12" Conduit, Type B"

4. On electrical drawing E2, diagram note 15 (3" & 2") conduits. I don't see a bid item for these?

A: Item 25

5. On electrical drawing E2, diagram note 19, is this bid item #26?

A: Yes, item 26

6. Which item is to include the erection & assembly of the light poles?

A: Item 25