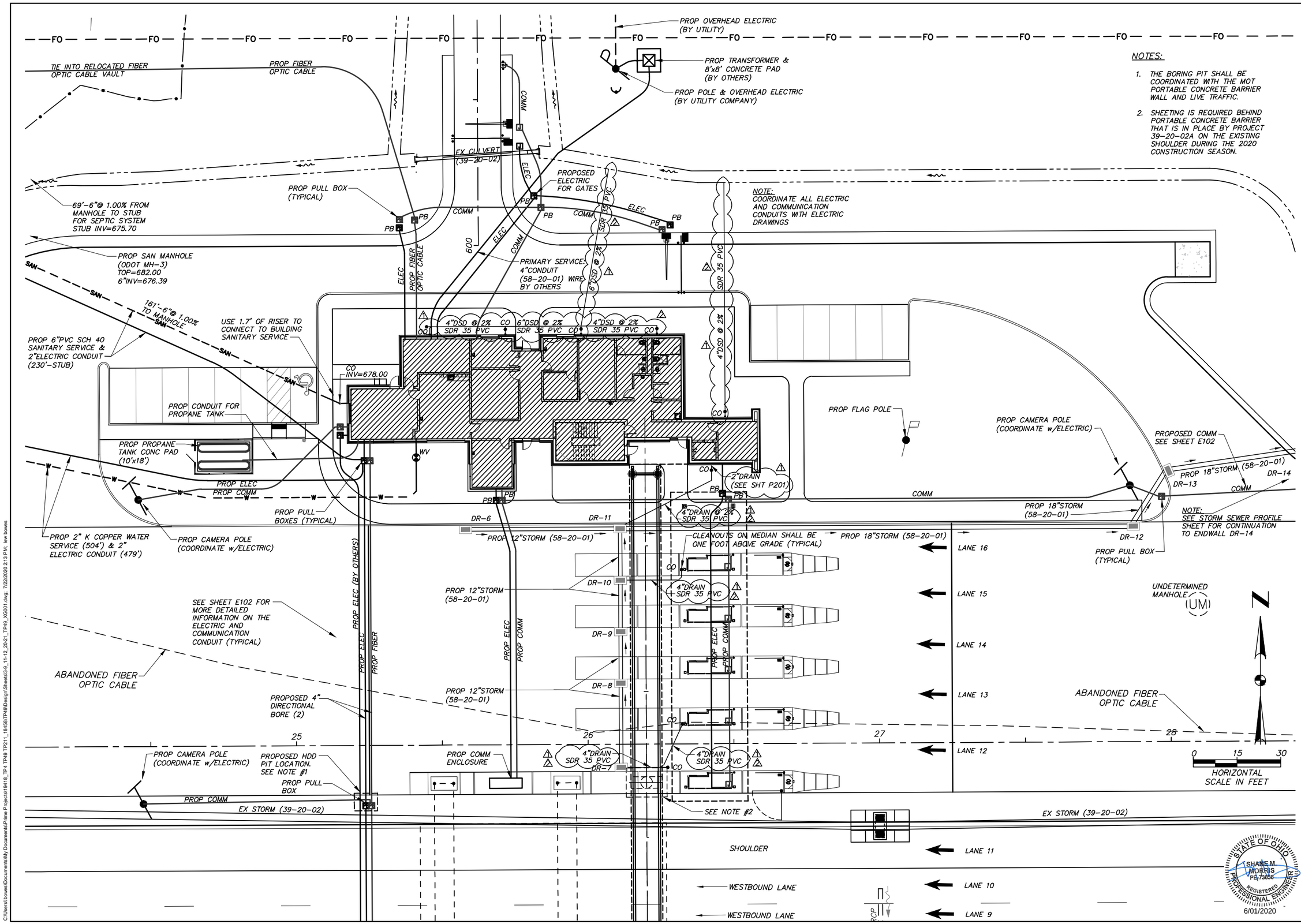


NOTES:

1. THE BORING PIT SHALL BE COORDINATED WITH THE MOT PORTABLE CONCRETE BARRIER WALL AND LIVE TRAFFIC.
2. SHEETING IS REQUIRED BEHIND PORTABLE CONCRETE BARRIER THAT IS IN PLACE BY PROJECT 39-20-02A ON THE EXISTING SHOULDER DURING THE 2020 CONSTRUCTION SEASON.

NOTE:
COORDINATE ALL ELECTRIC AND COMMUNICATION CONDUITS WITH ELECTRIC DRAWINGS

NOTE:
SEE STORM SEWER PROFILE SHEET FOR CONTINUATION TO ENDWALL DR-14

DESIGN AGENCY
PRIME AE
540 White Pond Drive, Ste. E
Akron, Ohio 44320
(330)-864-7755

| NO. | REVISIONS | BY | DATE |
|---|---|---|---|
| 1 | ADDENDUM NO.2 | LHBJ | 20JUL20 |
| 2 | ADDENDUM NO.4 | LHBJ | 22JUL20 |

| DESIGNED | CHECKED |
|---|---|
| LHBJ | SMM |
| DRAWN | IN CHARGE |
| LHBJ | SMM |

SITE UTILITY PLAN – NORTH SITE
LUCAS COUNTY
TOLL PLAZA 49

PROJECT 58-20-01
DATE: 4/17/2020

C106

18
221

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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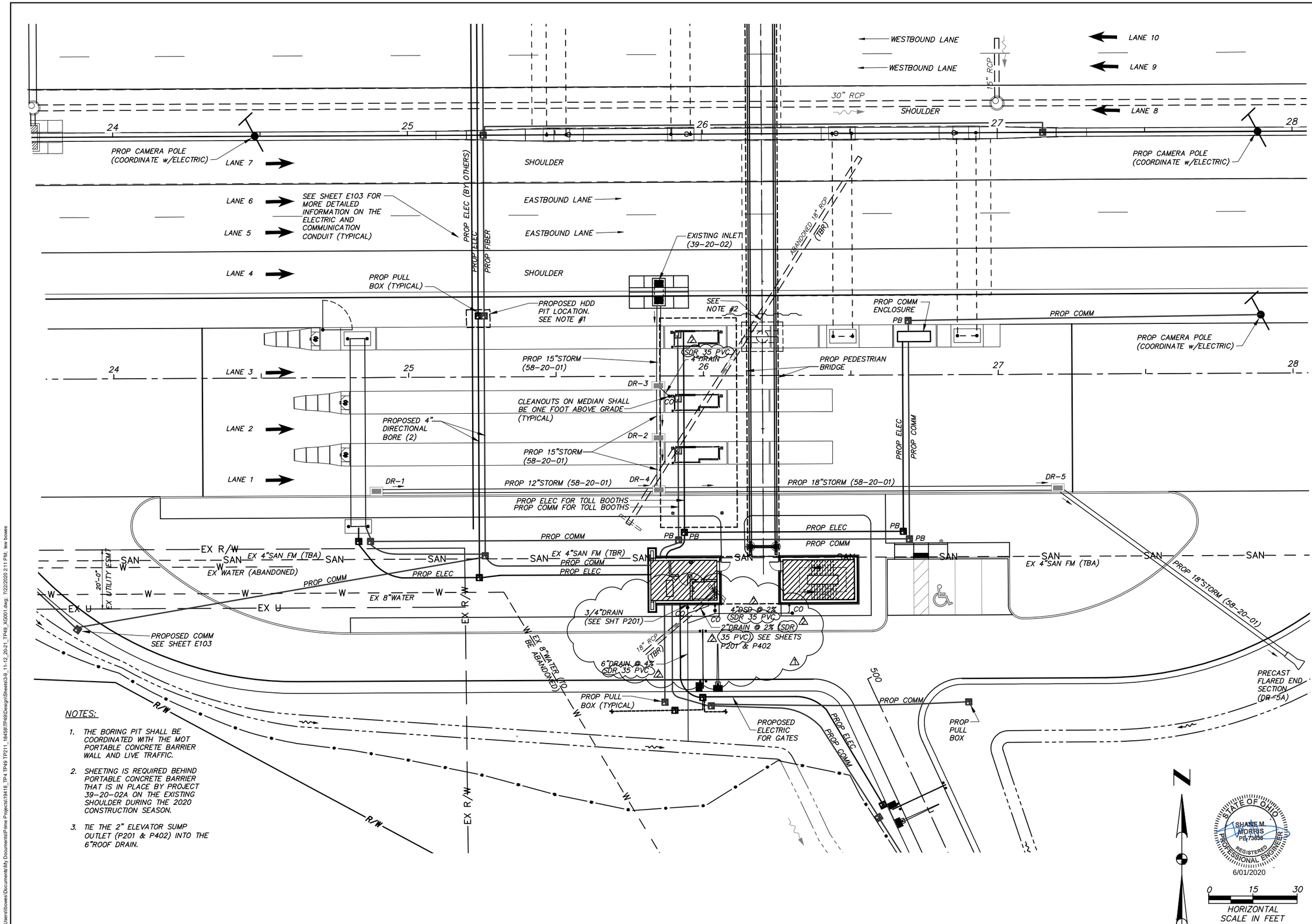


NOTES:

1. THE BORING PIT SHALL BE COORDINATED WITH THE MOT PORTABLE CONCRETE BARRIER WALL AND LIVE TRAFFIC.
2. SHEETING IS REQUIRED BEHIND PORTABLE CONCRETE BARRIER THAT IS IN PLACE BY PROJECT 39-20-02A ON THE EXISTING SHOULDER DURING THE 2020 CONSTRUCTION SEASON.
3. TIE THE 2" ELEVATOR SUMP OUTLET (P201 & P402) INTO THE 6"ROOF DRAIN.

STATE OF OHIO
SHANE M. MORRIS
PE-73838
REGISTERED PROFESSIONAL ENGINEER
6/01/2020

DESIGN AGENCY
PRIME AE
540 White Pond Drive, Ste. E
Akron, Ohio 44320
(330)-864-7755

| NO. | REVISIONS | BY | DATE |
|---|---|---|---|
| 1 | ADDENDUM NO.2 | LHBJ | 20JUL20 |
| 2 | ADDENDUM NO.4 | LHBJ | 22JUL20 |

| DESIGNED | CHECKED |
|---|---|
| LHBJ | SMM |
| DRAWN | IN CHARGE |
| LHBJ | SMM |

SITE UTILITY PLAN – SOUTH SITE

TOLL PLAZA 49 — LUCAS COUNTY

PROJECT 58-20-01
DATE: 4/17/2020

C107

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OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION

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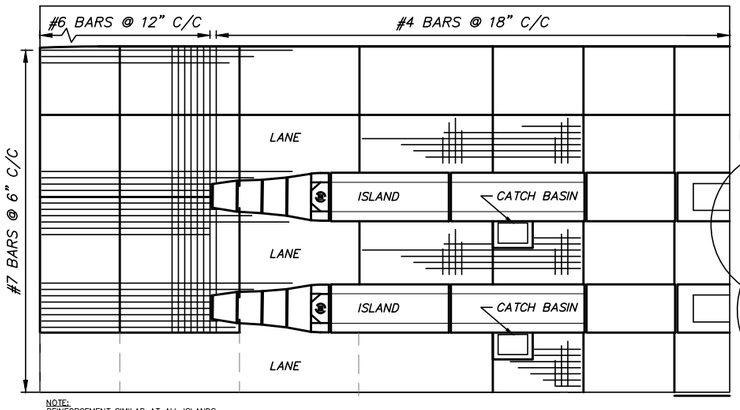
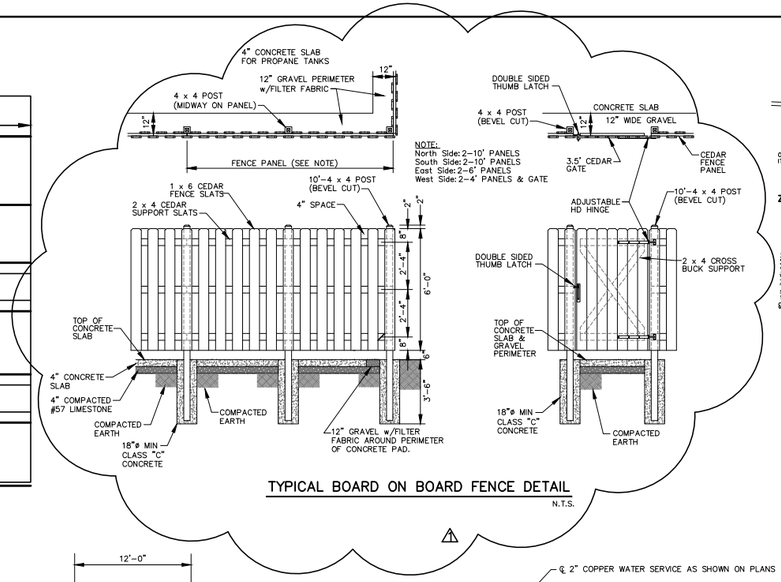



NOTE:
REINFORCEMENT SIMILAR AT ALL ISLANDS.

## PAVEMENT REINFORCEMENT PARTIAL PLAN

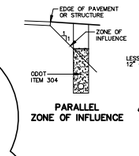
N.T.S.



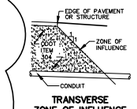

NOTE:
North Side: 2-10' PANELS
South Side: 2-10' PANELS
East Side: 2-6' PANELS
West Side: 2-4' PANELS & GATE

## TYPICAL BOARD ON BOARD FENCE DETAIL

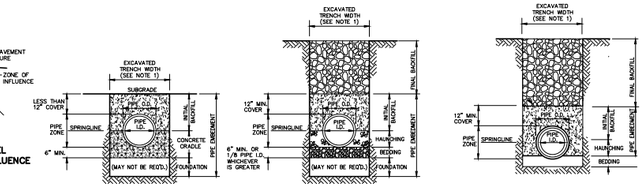
N.T.S.




PARALLEL ZONE OF INFLUENCE




TRANSVERSE ZONE OF INFLUENCE




CLASS 'A' PIPE EMBEDMENT | CLASS 'B' PIPE EMBEDMENT | CLASS 'C' PIPE EMBEDMENT

NOTES:

1. MAXIMUM EXCAVATED TRENCH WIDTH: THE MAXIMUM EXCAVATED TRENCH WIDTH FROM THE BOTTOM OF THE TRENCH TO 12" OVER THE TOP OF THE PIPE (WITHIN PIPE EMBEDMENT) SHALL BE O.D. + 24" FOR ALL PIPES UP TO AND INCLUDING 24" I.D. + 30" FOR PIPE FROM 24" I.D. TO 54" I.D. AND O.D. + 48" FOR PIPES SIZES 60" I.D. AND OVER.

2. FOUNDATION: WHERE AN UNSTABLE TRENCH BOTTOM CONDITION IS ENCOUNTERED, THE CONTRACTOR SHALL EXCAVATE TO A DEPTH REQUIRED BY THE ENGINEER AND REPLACE WITH MATERIAL AS DIRECTED BY THE ENGINEER.

3. PIPE EMBEDMENT:

CLASS A: CLASS A PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNDER PAVEMENT OR STRUCTURES WITH LESS THAN 12 INCHES OF PIPE COVER TO THE SUBGRADE. THE CONCRETE CRADLE SHALL BE IN ACCORDANCE WITH ODOT ITEM 499, CLASS "QC-1". THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 GRANULAR PIPE EMBEDMENT.

CLASS B: CLASS B PIPE EMBEDMENT SHALL BE USED FOR ALL PIPING UNLESS OTHERWISE NOTED ON THE PLANS OR AUTHORIZED BY THE ENGINEER. THE BEDDING AND HAUNCHING SHALL BE AASHTO NO. 57 GRANULAR PIPE EMBEDMENT. IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE AASHTO NO. 57 STONE GRANULAR PIPE EMBEDMENT. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE INITIAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER FOR ONLY REINFORCED CONCRETE PIPE AND DUCTILE IRON PIPE. THE INITIAL BACKFILL FOR ALL OTHER PIPES SHALL BE AASHTO NO. 57 GRANULAR PIPE EMBEDMENT.

CLASS QC-1: CLASS QC-1 PIPE EMBEDMENT SHALL ONLY BE USED FOR DUCTILE IRON WATER MAIN (4" AND LARGER), DUCTILE IRON FORCE MAINS OR AS AUTHORIZED BY THE ENGINEER. THE BEDDING AND PIPE EMBEDMENT SHALL BE SAND OR PEA GRAVEL IN ALL AREAS.

4. FINAL BACKFILL: IN ALL AREAS UNDER PAVEMENT, STRUCTURES OR WITHIN THE ZONE OF INFLUENCE THE FINAL BACKFILL SHALL BE ODOT ITEM 304. IN ALL AREAS OUTSIDE OF PAVEMENT, STRUCTURES OR THE ZONE OF INFLUENCE, THE FINAL BACKFILL SHALL BE SUITABLE ON-SITE MATERIAL APPROVED BY THE ENGINEER.

5. SPECIFICATIONS: ALL TRENCHING, PIPE EMBEDMENT AND BACKFILL MATERIALS SHALL BE IN ACCORDANCE WITH SP611 AS MODIFIED BY THIS DETAIL AND THE CONTRACT DOCUMENTS.

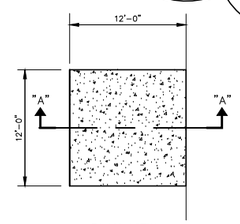
6. CLAY TRENCH DAMS: CLAY TRENCH DAMS SHALL BE REQUIRED AS SHOWN ON PLANS OR WHEN AND WHERE NECESSARY AS DIRECTED BY THE ENGINEER.

7. DETECTOR TAPE: IF REQUIRED IN THE SPECIFICATIONS, INSTALL DETECTABLE WARNING TAPE ABOVE UTILITIES, 12" BELOW FINISHED GRADE, EXCEPT 6 INCHES BELOW SUBGRADE UNDER PAVEMENT AND SLABS.

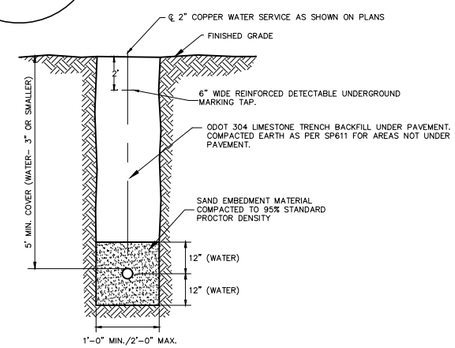
8. APPLICABLE FOR ALL SITE CONC. STORM SEWER, PVC SANITARY SEWER AND COPPER WATER SERVICE.

## TRENCHING, EMBEDMENT & BACKFILL DETAIL FOR STORM SEWER, SANITARY SEWER & WATER MAIN

N.T.S.

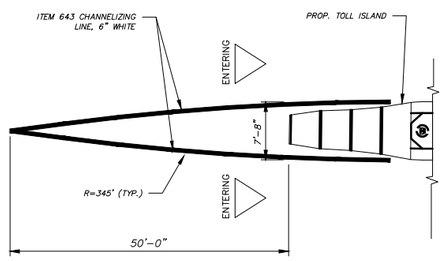



PLAN VIEW




## WATER LINE (3" OR SMALLER) TRENCH DETAIL & PROPANE TRENCH DETAIL

N.T.S.




## PAVEMENT MARKING DETAIL FOR PROPOSED ENTRANCE/EXIT LANES

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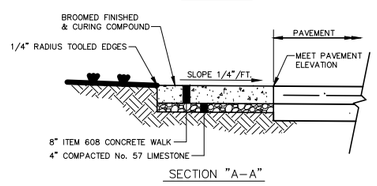
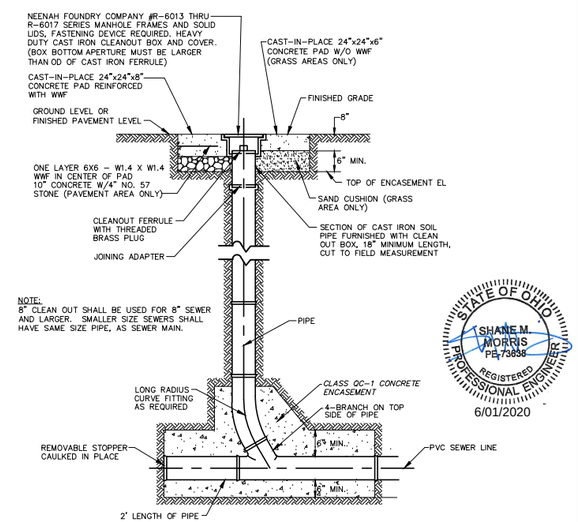



SECTION "A-A"

NOTE:
USE SECTION A-A FOR THE CONSTRUCTION OF THE PARKING STALL AREA PAVEMENT.

## CONCRETE PAD FOR TRASH RECEPTACLE DETAIL

N.T.S.

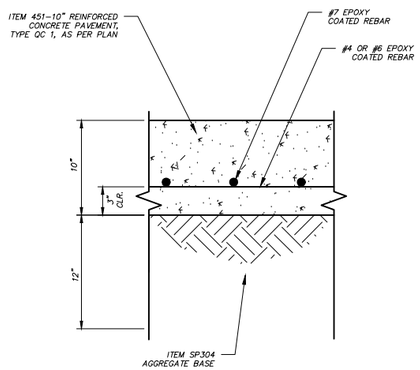



NOTE:
8" CLEAN OUT SHALL BE USED FOR 8" SEWER AND LARGER. SMALLER SIZE SEWERS SHALL HAVE SAME SIZE PIPE, AS SEWER MAIN.

STATE OF OHIO
SHANE M. MORRIS
PE.75836
REGISTERED PROFESSIONAL ENGINEER
6/01/2020

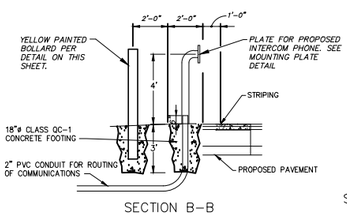
## STANDARD CLEAN-OUT DETAIL

N.T.S.

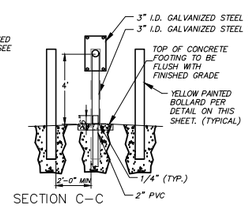



## CONCRETE PAVEMENT DETAIL

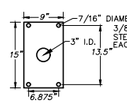
N.T.S.



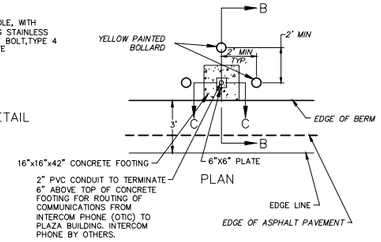

SECTION B-B




SECTION C-C



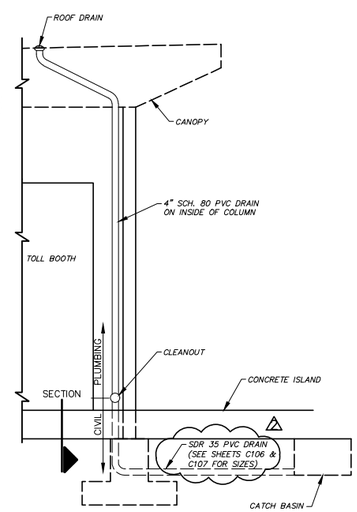

MOUNTING PLATE DETAIL




NOTE: STEEL PIPE AND PLATES TO BE GALVANIZED

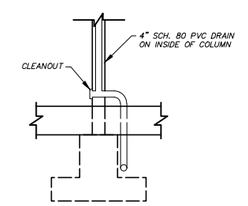
## INTERCOM PHONE PAD & SUPPORT DETAIL

N.T.S.



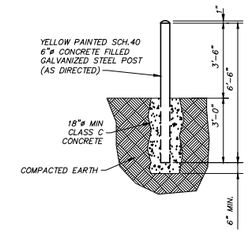

## ROOF DRAIN DETAIL

N.T.S.




## SECTION

N.T.S.




## TYP. BOLLARD DETAIL

N.T.S.


DESIGN AGENCY
PRIME AE
540 White Pond Drive, Ste E
Akron, Ohio 44320
(330)-864-7755


| NO. | REVISIONS | BY | DATE |
|---|---|---|---|
| 3 | ADDENDUM NO.3 | LHBJ | 21JUL20 |
| 4 | ADDENDUM NO.4 | LHBJ | 22JUL20 |

| DESIGNED | CHECKED | DRAWN | IN CHARGE |
|---|---|---|---|
| LHBJ | SMM | LHBJ | SMM |

MISCELLANEOUS SITE DETAILS

TOLL PLAZA 49

LUCAS COUNTY

PROJECT 58-20-01

DATE: 4/17/2020

C119

31 / 221

OHIO TURNPIKE AND INFRASTRUCTURE COMMISSION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