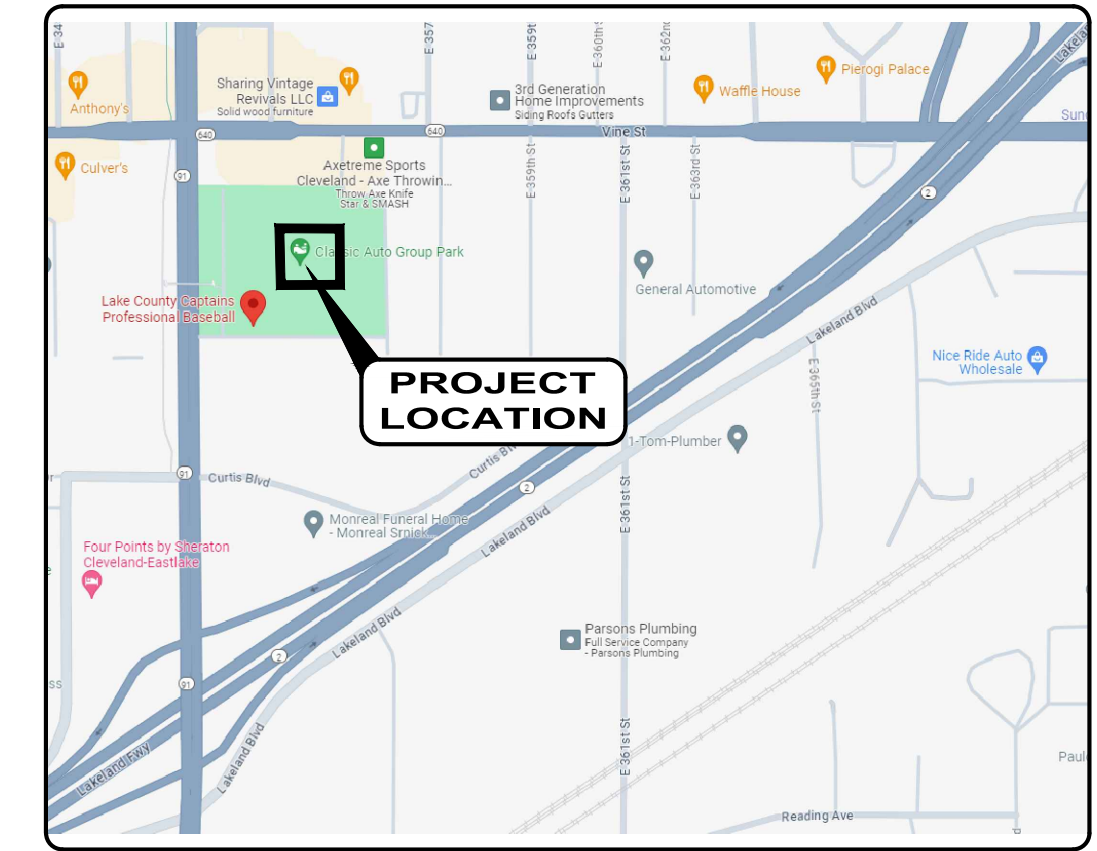
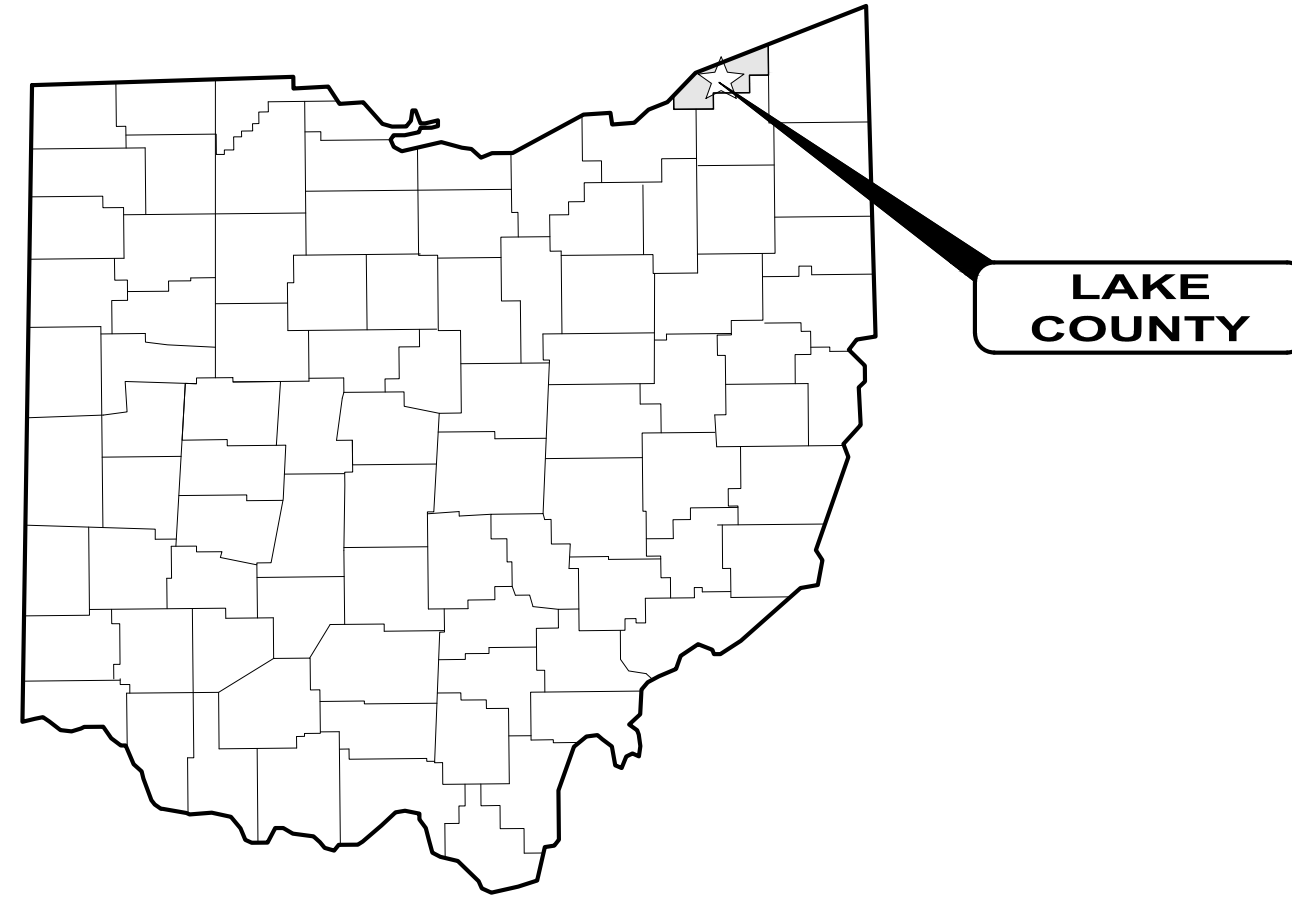


# - FIELD SITE IMPROVEMENT PLANS FOR - LAKE COUNTY CAPTAINS STADIUM

35300 VINE ST., EASTLAKE, OHIO  
LAKE COUNTY

JULY 2024



LOCATION MAP  
NTS



INDEX MAP  
70' 0' 70'  
SCALE: 1" = 70'

| CONTACTS                   |   |
|----------------------------|---|
| <b>CITY:</b>               | CITY OF EASTLAKE<br>35150 LAKE SHORE BLVD.<br>EASTLAKE OHIO 44095<br>PHONE: 440-951-2200<br>CONTACT: CAROL-ANN SCHINDEL     |
| <b>OWNER:</b>              | LAKE COUNTY CAPTAINS<br>35300 VINE ST.<br>EASTLAKE, OH 44095<br>440-975-8085<br>CONTACT: JEN YORKO                          |
| <b>SURVEYOR:</b>           | CT CONSULTANTS, INC.<br>8150 STERLING COURT<br>MENTOR, OHIO 44060<br>PHONE: 440-951-9000<br>CONTACT: THOMAS M. MEEKS, P.S.  |
| <b>LANDSCAPE ARCHITECT</b> | CT CONSULTANTS, INC.<br>8150 STERLING COURT<br>MENTOR, OHIO 44060<br>PHONE: 440-530-2372<br>CONTACT: RICH WASHINGTON, ASLA  |
| <b>ENGINEER</b>            | CT CONSULTANTS, INC.<br>8150 STERLING COURT<br>MENTOR, OHIO 44060<br>PHONE: 440-530-2212<br>CONTACT: LENE HILL, PE, LEED AP |

## COUNCIL MEMBERS

- JAMES OVERSTREET, WARD 1, COUNCIL PRESIDENT
- JOHN MEYERS, WARD 2
- JASON KASUNICK, WARD 3
- DANYIELL KOSTELNIK, WARD 4
- ANGELA R. SCHMIDT, COUNCIL-AT-LARGE
- CHRIS KRAJNYAK, COUNCIL-AT-LARGE
- MICHAEL D. SEMICK, COUNCIL-AT-LARGE

## CITY OFFICIALS:

- DAVID SPOTTON, MAYOR
- KEVIN KOSTELNIK, DIRECTOR OF PUBLIC SERVICE

### DESIGN LANDSCAPE ARCHITECT:

THIS IS TO CERTIFY THAT GOOD ENGINEERING PRACTICES HAVE BEEN UTILIZED IN THE DESIGN OF THIS PROJECT AND THAT ALL MINIMUM STANDARDS FOR FAIRFIELD COUNTY, INCLUDING THOSE STANDARDS GREATER THAN MINIMUM WHERE, IN OUR OPINION, THEY ARE NEEDED TO PROTECT THE SAFETY OF THE PUBLIC. ANY VARIANCES TO THE ABOVE STANDARDS ARE CONSISTENT WITH SOUND ENGINEERING PRACTICES AND ARE NOT DETRIMENTAL TO THE PUBLIC SAFETY AND CONVENIENCE.

*Richard Washington*  
RICHARD WASHINGTON PLA LIC. # 794

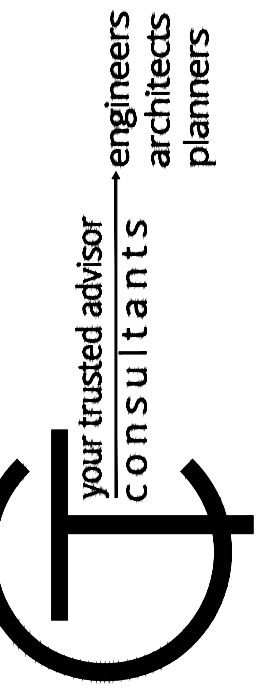
7-23-24  
DATE



| Sheet List Table |                      |
|------------------|----------------------|
| Sheet Number     | Sheet Title          |
| 1                | Cover Sheet          |
| 2                | Site Survey          |
| 3                | Layout Plan          |
| 4                | Materials Plan       |
| 5                | Details              |
| 6                | Details              |
| 7                | General Notes        |
| 8                | Specifications       |
| 9                | Irrigation Plan      |
| 10               | Grading & Storm Plan |



- UNDERGROUND BUILDING SERVICE UTILITY LINES ARE NOT SHOWN ON THE PLANS. THE CONTRACTOR SHALL BE RESPONSIBLE FOR LOCATING, MAINTAINING AND REPLACING AS NECESSARY TO ENSURE CONTINUAL SERVICE TO BUILDINGS.
- THE CONTRACTOR IS RESPONSIBLE TO CALL OHIO UTILITIES PROTECTION SERVICE @ 1-800-362-2764, THREE WORKING DAYS PRIOR TO CONSTRUCTION.

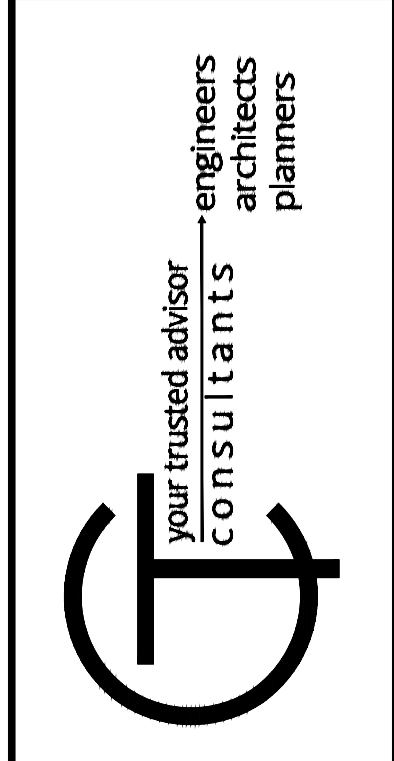
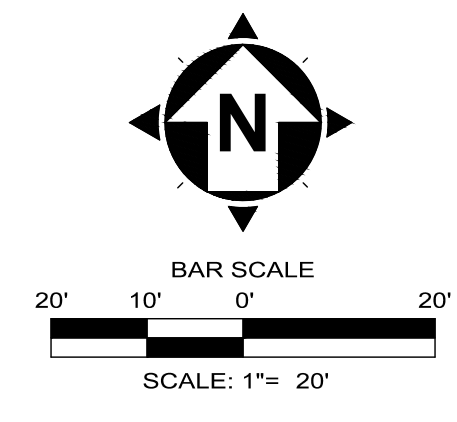
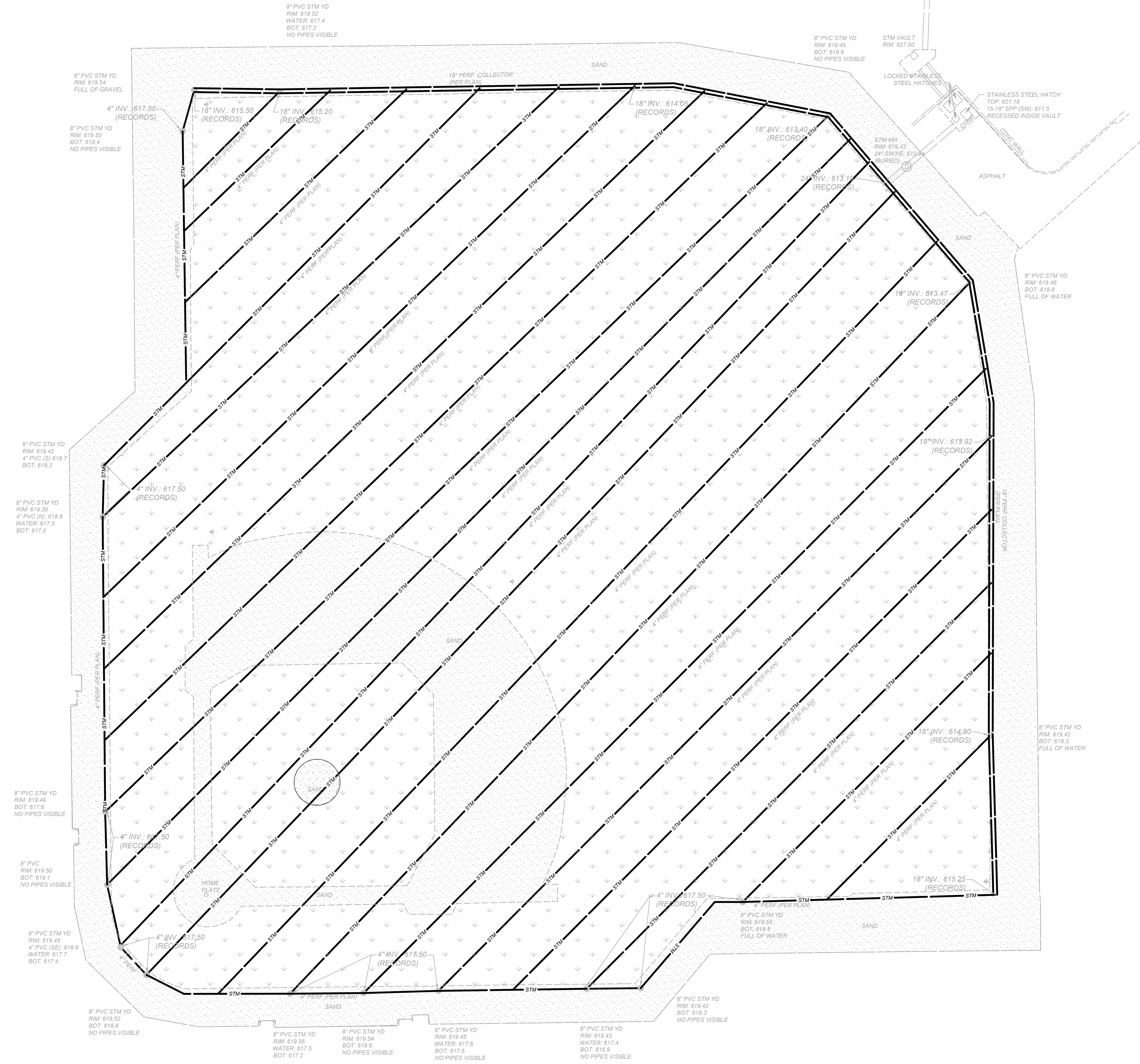


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|-------------|-------------|----------|--------------|-----------|-------------|
| BID SET     | 7/23/24     | AS SHOWN | RW, GS       | RW, GS    | DB          |
| NO          | REVISION    | DATE     |              |           |             |

LAKE COUNTY CAPTAINS STADIUM  
FIELD SITE IMPROVEMENTS  
- 35300 VINE ST., EASTLAKE, OH 44095 - LAKE COUNTY

COVER SHEET

|             |        |
|-------------|--------|
| PROJECT NO. | 230542 |
| DISCIPLINE  | CIVIL  |
| SHEET NAME  | CS     |
| SHEET       | OF     |
| 1           | 10     |



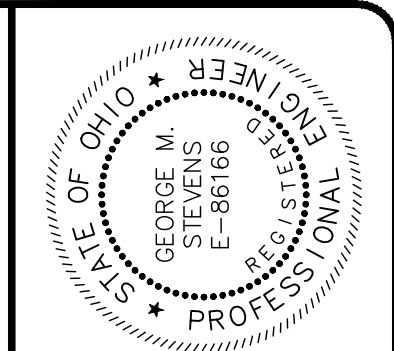
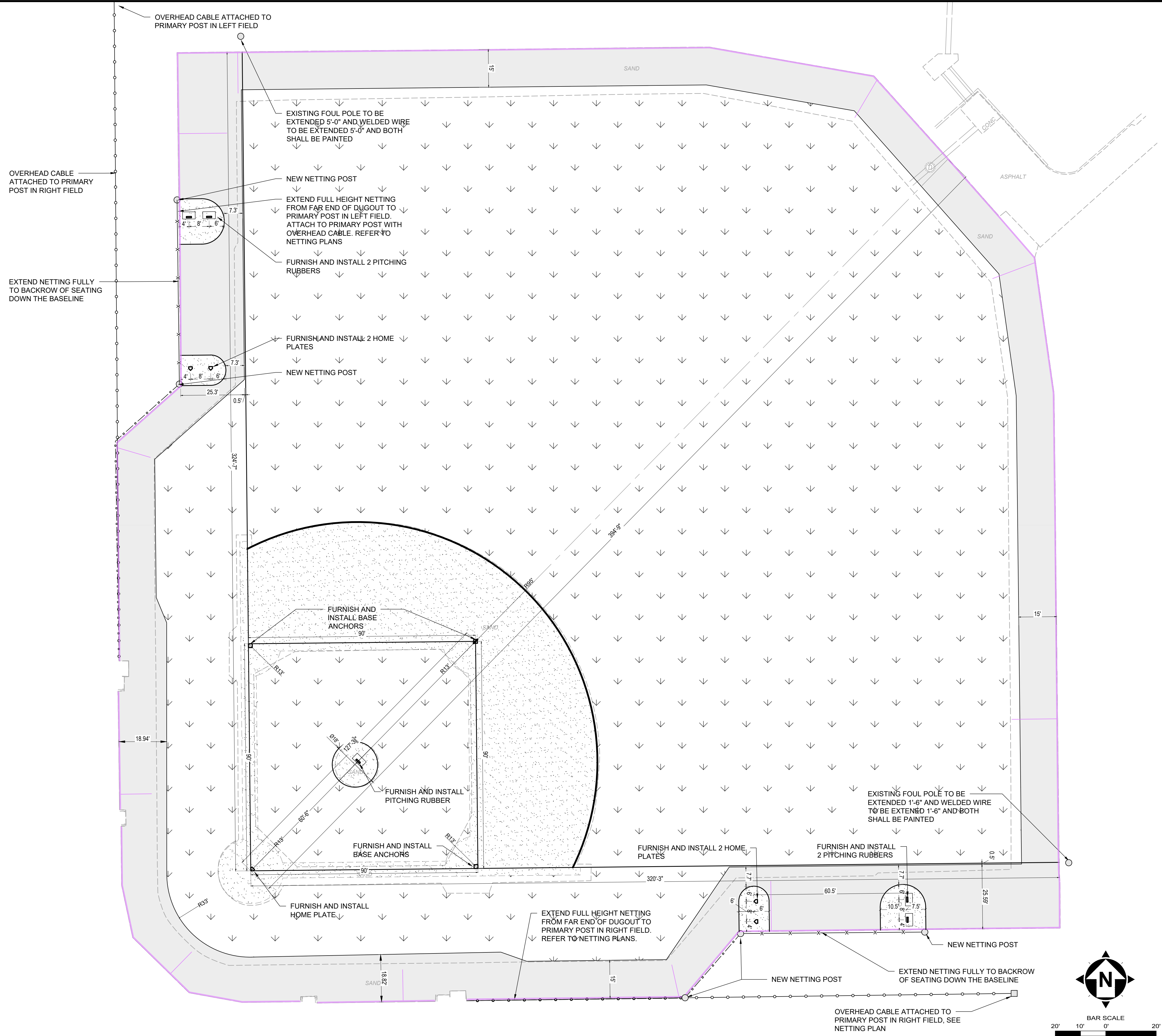
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| DESIGNED BY: | RW, GS      |          |      |
| DRAWN BY:    | RW, GS      |          |      |
| CHECKED BY:  | DB          |          |      |

**LAKE COUNTY CAPTAINS STADIUM**  
**FIELD SITE IMPROVEMENTS**  
 - 35300 VINE ST., EASTLAKE, OH 44095 - LAKE COUNTY

**SITE SURVEY**

|             |               |
|-------------|---------------|
| PROJECT NO. | <b>230542</b> |
| DISCIPLINE  | <b>CIVIL</b>  |
| SHEET NAME  | <b>S1</b>     |
| SHEET       | <b>2</b>      |
| OF          | <b>10</b>     |

- NOTES**
1. PRIOR TO CONSTRUCTION, OUTFIELD PADS TO BE REMOVED AND STORED. CONTRACTOR SHALL REINSTALL PADS ONCE FIELD WORK IS COMPLETED.
  2. REFER TO NETTING PLANS FOR POLE AND NETTING LAYOUT, ANCHORING AND MATERIALS.
  3. PRIOR TO CONSTRUCTION, CONTRACTOR SHALL REMOVE BASES, ANCHORS AND PITCHING RUBBERS AND RETURN THEM TO THE OWNER.



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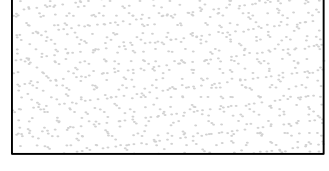
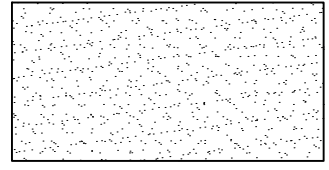
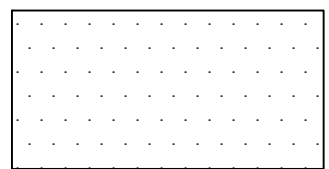
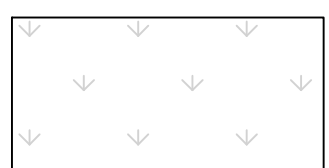
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| DESIGNED BY: RW, GS |             |          |      |
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| CHECKED BY: DB      |             |          |      |

**LAKE COUNTY CAPTAINS STADIUM**  
FIELD SITE IMPROVEMENTS  
- 35300 VINE ST, EASTLAKE, OH 44095 - LAKE COUNTY

**LAYOUT PLAN**

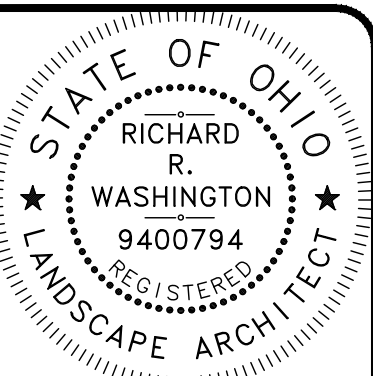
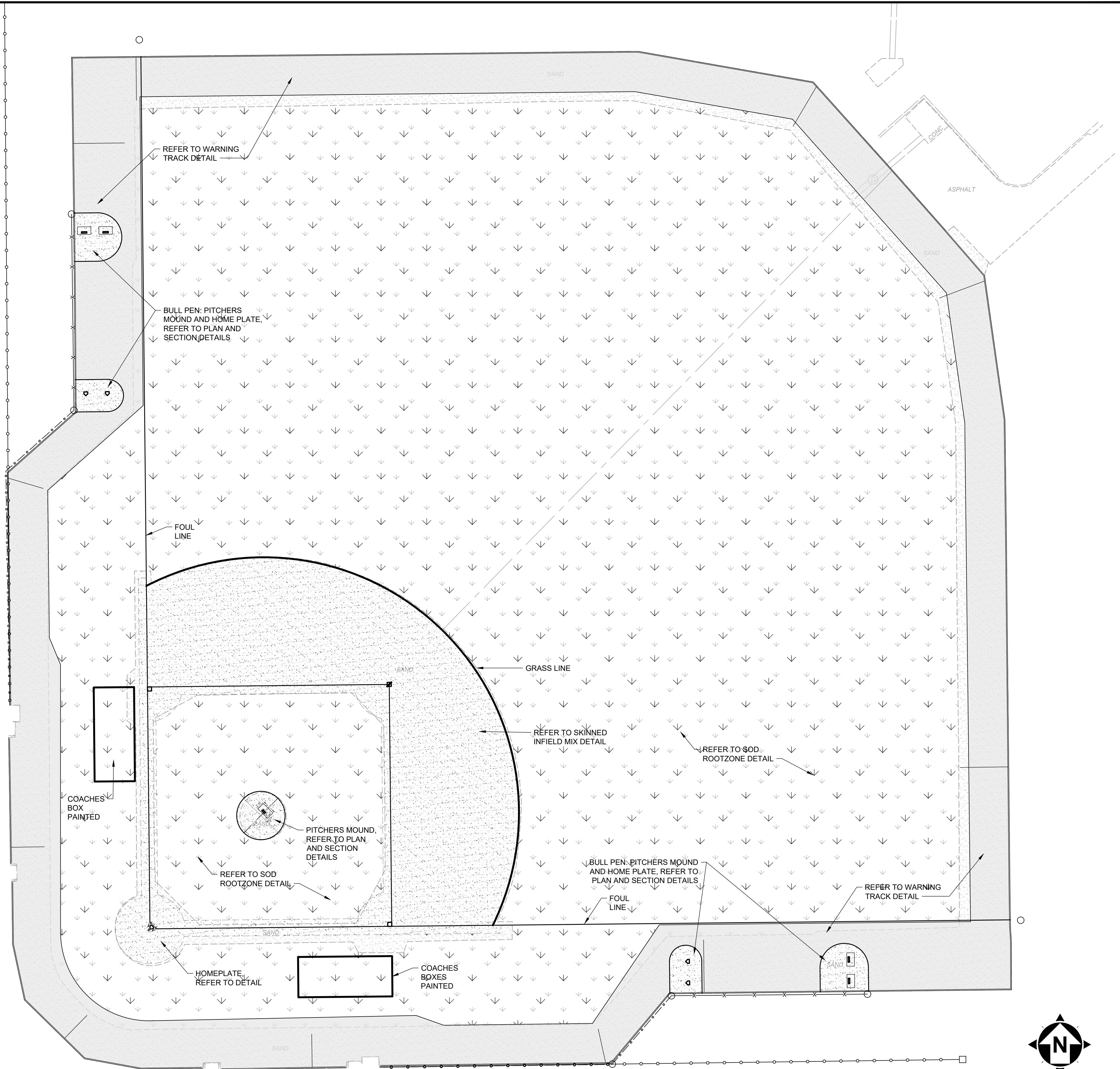
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|------------------------------|
| PROJECT NO.<br><b>230542</b> |
| DISCIPLINE<br><b>CIVIL</b>   |
| SHEET NAME<br><b>LP1</b>     |
| SHEET <b>3</b> OF <b>10</b>  |

**LEGEND**

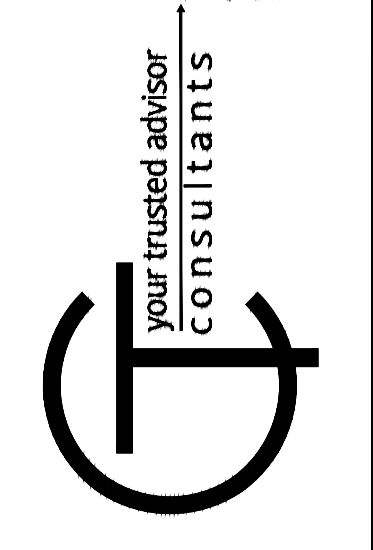
-  INFIELD MIX
-  WARNING TRACK MIX
-  PITCHERS MOUND MIX
-  SOD

**NOTES**

- CONTRACTOR SHALL COORDINATE MATERIALS DELIVERY AND INSTALLATION WITH THE SUPPLIERS AND COORDINATE WITH THE FACILITY PERSONNEL PRIOR TO DELIVERY DATES.
- PITCHERS MOUND, BATTERS BOX, HOME PLATE AND BASES SHALL BE INSTALLED UNDER THE SUPERVISION OF THE FIELD GROUNDSKEEPER.
- LINESTRIPING TO BE PERFORMED BY THE OWNER.
- PLAYING FIELD LAYOUT AND VERIFICATION SHALL BE ACCOMPLISHED BY AN OHIO REGISTERED SURVEYOR. CERTIFIED AS-BUILTS OF FINAL FIELD CONDITIONS SHALL BE PROVIDED BY A REGISTERED SURVEYOR UPON COMPLETION OF THE FIELD. REFER TO NOTES.



Richard Washington, License #9400794  
Expiration Date 12/31/2024  
engineers  
architects  
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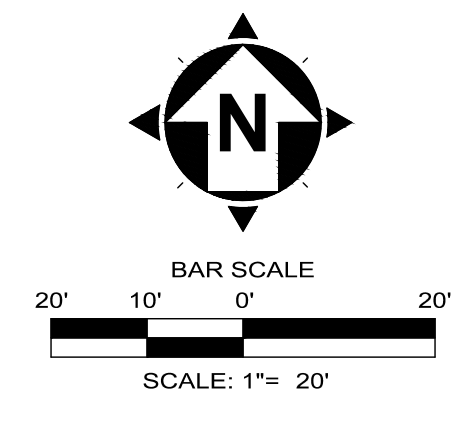


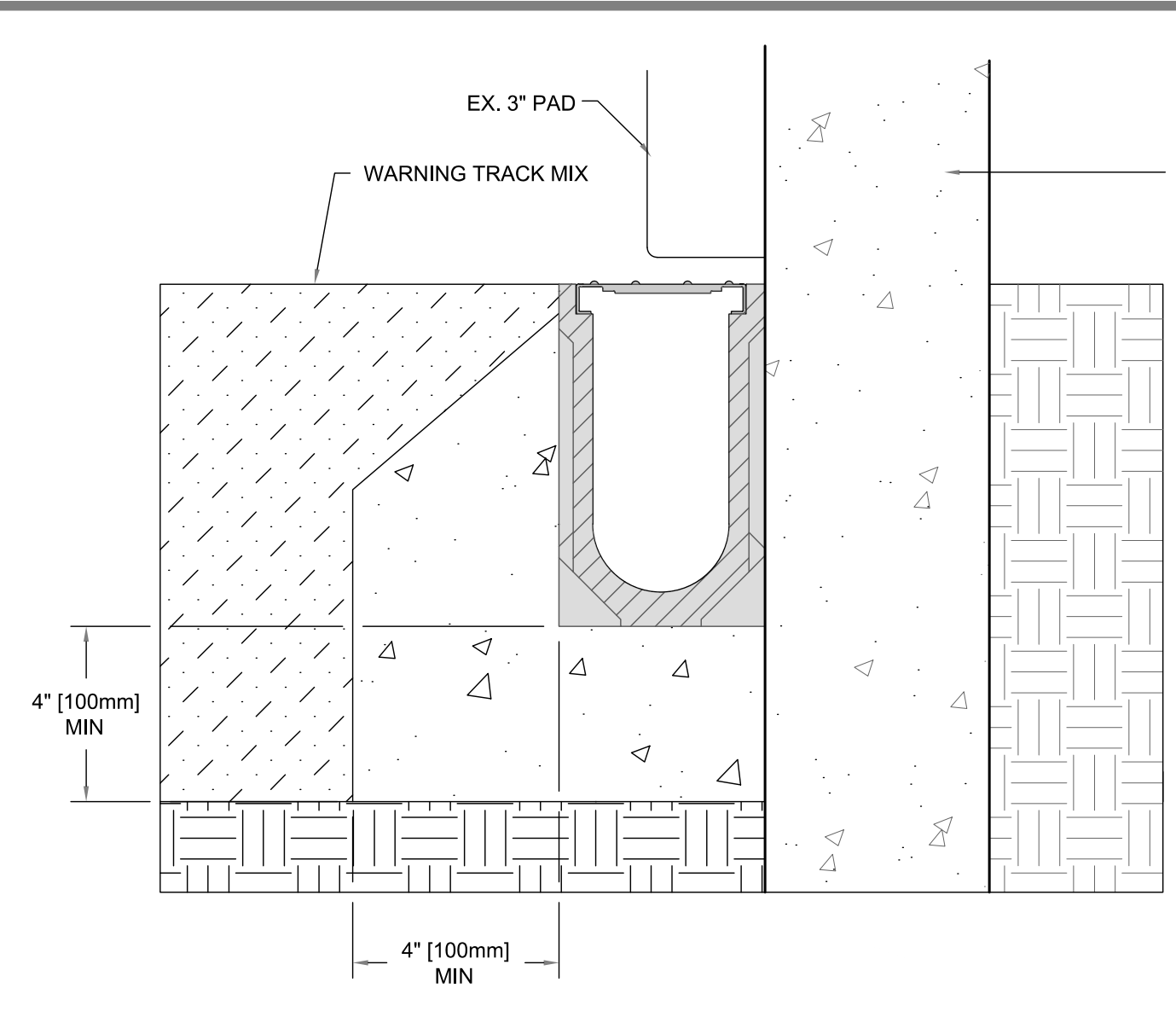
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| DESIGNED BY: RW, GS |          |     |          |      |
| DRAWN BY: RW, GS    |          |     |          |      |
| CHECKED BY: DB      |          |     |          |      |

**LAKE COUNTY CAPTAINS STADIUM**  
FIELD SITE IMPROVEMENTS  
- 35300 VINE ST., EASTLAKE, OH 44095 - LAKE COUNTY

**MATERIALS PLAN**

|             |        |
|-------------|--------|
| PROJECT NO. | 230542 |
| DISCIPLINE  | CIVIL  |
| SHEET NAME  | MP1    |
| SHEET       | 4      |
| OF          | 10     |



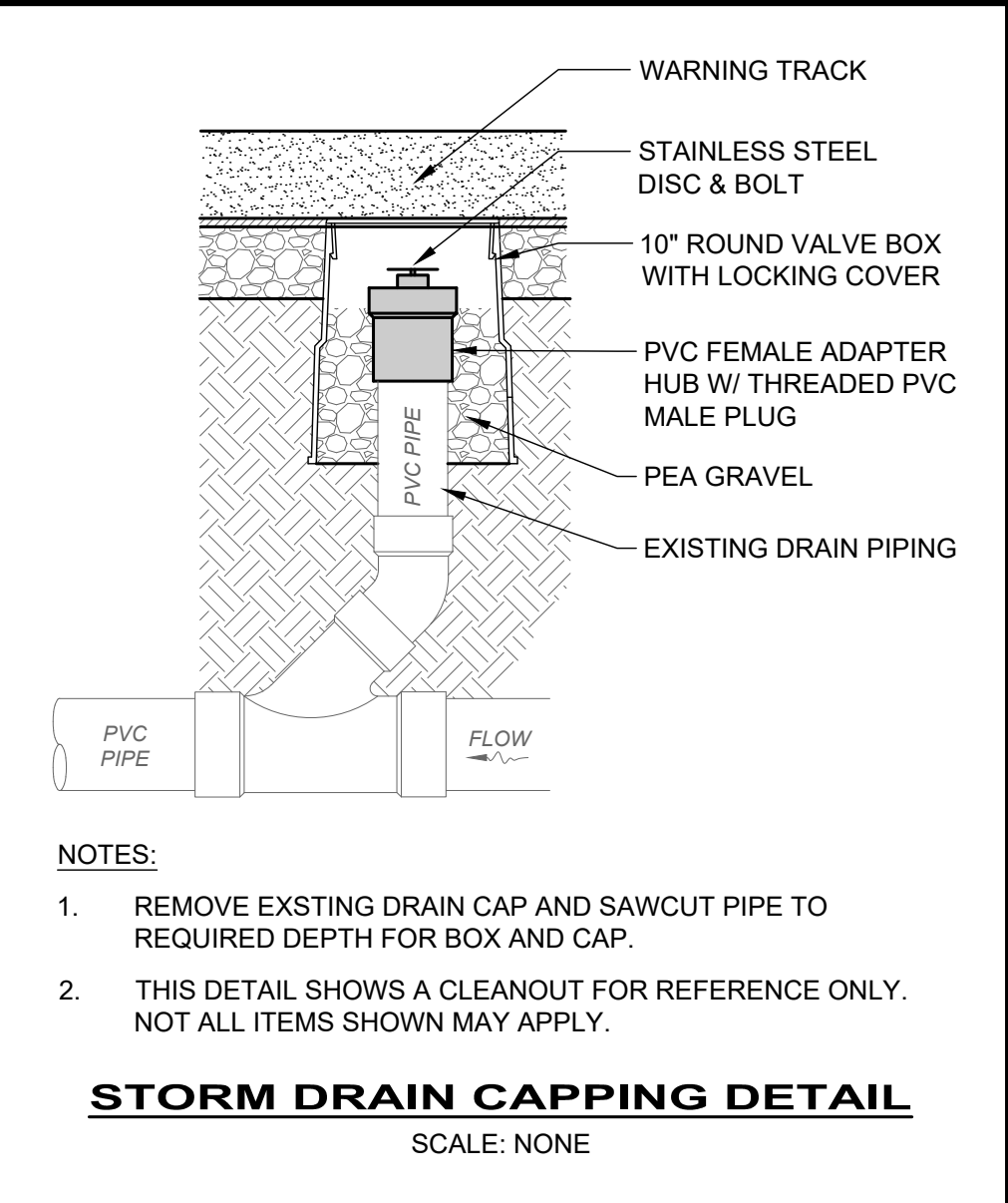


**NOTES:**  
 1. IT IS NECESSARY TO ENSURE MINIMUM DIMENSIONS SHOWN ARE SUITABLE FOR EXISTING GROUND CONDITIONS. *ENGINEERING ADVICE MAY BE REQUIRED.*  
 2. MINIMUM CONCRETE STRENGTH OF 4,000 PSI IS RECOMMENDED. CONCRETE SHOULD BE VIBRATED TO ELIMINATE AIR POCKETS.  
 3. EXPANSION AND CONTRACTION CONTROL JOINTS AND REINFORCEMENT ARE RECOMMENDED TO PROTECT CHANNEL AND CONCRETE SURROUND. *ENGINEERING ADVICE MAY BE REQUIRED.*  
 4. REFER TO ACO'S LATEST INSTALLATION INSTRUCTIONS FOR FURTHER DETAILS.

**SPECIFICATION CLAUSE**  
**SPORT 4000**  
**GENERAL**  
 THE SURFACE DRAINAGE SYSTEM SHALL BE POLYMER CONCRETE SYSTEM 4000 CHANNEL SYSTEM AS MANUFACTURED BY ACO POLYMER PRODUCTS, INC.  
**MATERIALS**  
 CHANNELS SHALL BE MANUFACTURED FROM POLYESTER RESIN POLYMER CONCRETE. MINIMUM PROPERTIES OF POLYMER CONCRETE WILL BE AS FOLLOWS:  
 COMPRESSIVE STRENGTH: 14,000 PSI  
 FLEXURAL STRENGTH: 4,000 PSI  
 TENSILE STRENGTH: 1,500 PSI  
 WATER ABSORPTION: 0.07%  
 FROST PROOF: YES  
 DILUTE ACID AND ALKALI RESISTANT: YES  
 B117 SALT SPRAY TEST COMPLIANT: YES

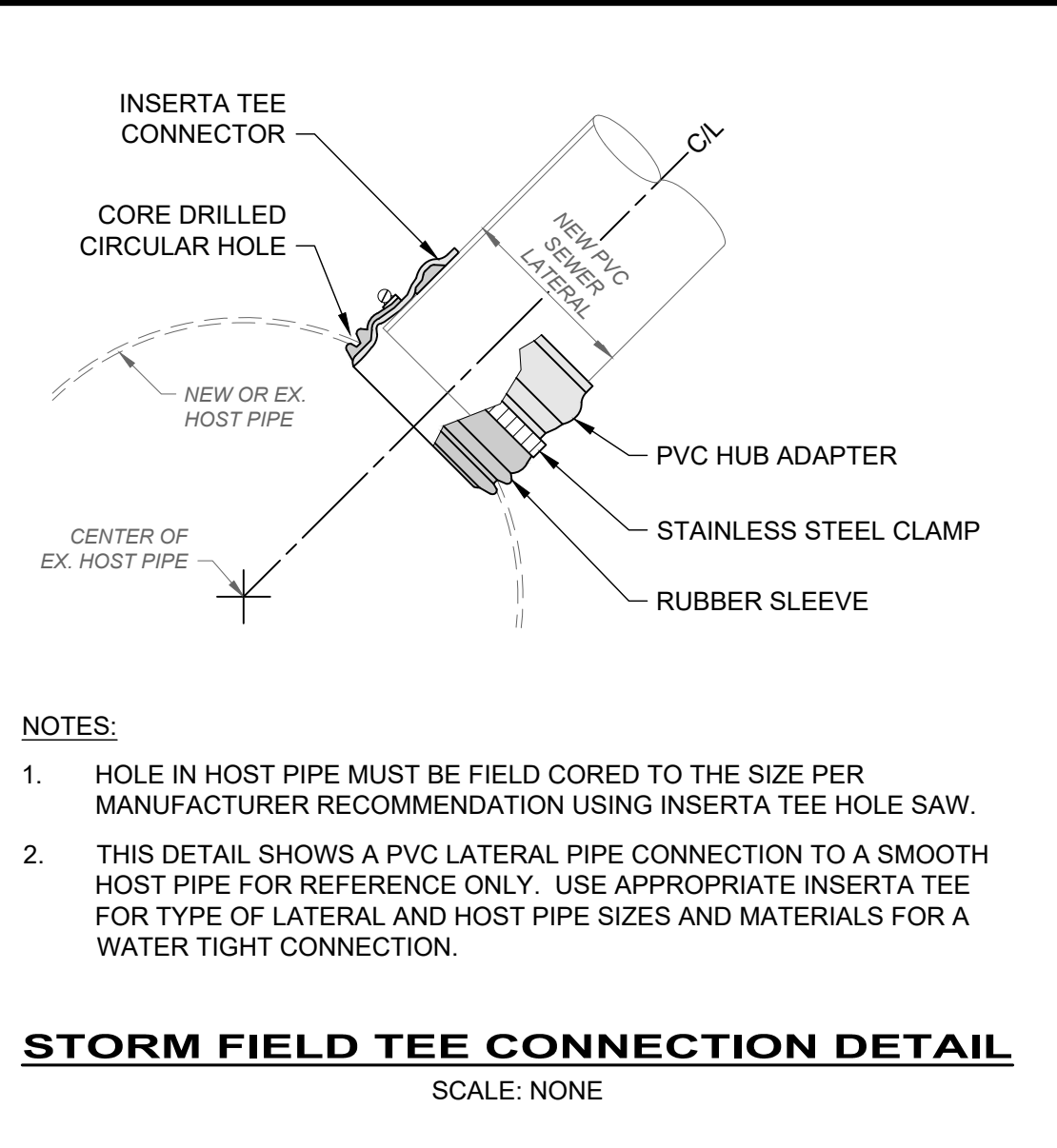
THE SYSTEM SHALL BE 4" (100mm) NOMINAL INTERNAL WIDTH AND A 6.1" (155mm) OVERALL WIDTH. ALL CHANNELS SHALL BE INTERLOCKING WITH A MALE/FEMALE JOINT.  
 4002 CHANNEL : INVERT DEPTH - 4.65"  
 4010 CHANNEL : INVERT DEPTH - 6.54"  
 4020 CHANNEL : INVERT DEPTH - 8.90"  
 4030 CHANNEL : INVERT DEPTH - 11.26"  
 STANDARD ACO DRAIN GRATES AND LOCKING DEVICES ARE USED, SEE SEPARATE SPECIFICATION SHEETS FOR INFORMATION.  
 THE COMPLETE DRAINAGE SYSTEM SHALL BE BY ACO POLYMER PRODUCTS, INC. ANY DEVIATION OR PARTIAL SYSTEM DESIGN AND/OR IMPROPER INSTALLATION WILL VOID ANY AND ALL WARRANTIES PROVIDED BY ACO POLYMER PRODUCTS, INC.  
 THE SYSTEM SHALL BE INSTALLED IN ACCORDANCE WITH THE MANUFACTURER'S INSTRUCTIONS AND RECOMMENDATIONS. REFER TO ARCHITECT'S PLANS FOR TRENCH AND CATCH BASIN LOCATION.

|               |   |   |   |  |
|---------------|---|---|---|--|
| S4000-FPCGS   | <b>SYSTEM 4000:</b><br>Ex. Wall/Partial Concrete, Grass & Synthetic Surface Overlay | <b>ACO Polymer Products, Inc.</b>   |   |  |
|               | <b>INSTALLATION DRAWING - ACO SPORT</b>   | 825 W. Beechcroft St<br>Casa Grande, AZ 85122<br>Tel: 520-421-9988<br>Fax: 520-421-9899 | P.O. Box 245<br>Chardon, OH 44024<br>Tel: 440-285-7000<br>Fax: 440-285-8517 | 4211 Pleasant Rd.<br>Fort Mill, SC 29708<br>Tel: 800-543-4764<br>Fax: 803-802-1063 |
| DATE:12/04/13 |   |   |   |  |



**NOTES:**  
 1. REMOVE EXISTING DRAIN CAP AND SAWCUT PIPE TO REQUIRED DEPTH FOR BOX AND CAP.  
 2. THIS DETAIL SHOWS A CLEANOUT FOR REFERENCE ONLY. NOT ALL ITEMS SHOWN MAY APPLY.

**STORM DRAIN CAPPING DETAIL**  
 SCALE: NONE



**NOTES:**  
 1. HOLE IN HOST PIPE MUST BE FIELD CORED TO THE SIZE PER MANUFACTURER RECOMMENDATION USING INSERTA TEE HOLE SAW.  
 2. THIS DETAIL SHOWS A PVC LATERAL PIPE CONNECTION TO A SMOOTH HOST PIPE FOR REFERENCE ONLY. USE APPROPRIATE INSERTA TEE FOR TYPE OF LATERAL AND HOST PIPE SIZES AND MATERIALS FOR A WATER TIGHT CONNECTION.

**STORM FIELD TEE CONNECTION DETAIL**  
 SCALE: NONE



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**engineers  
 architects  
 planners**  
**consultants**

| ISSUED FOR:  | BID SET: | NO. | REVISION: | DATE: |
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| DESIGNED BY: | RW, GS   |     |           |       |
| DRAWN BY:    | RW, GS   |     |           |       |
| CHECKED BY:  | DB       |     |           |       |

**ACO SPORT**  
**ADA Plastic**

**ADA black plastic**

**Product Features**

- Certified to DIN 19580 Load Class A - 3,500 lbs - 70 psi
- Uses "QuickLok" boltless locking system
- Suitable for use with System 4000 or System 6100 channels
- Manufactured from durable, UV stable polypropylene
- Raised anti-slip surface detail
- Complies with ADA - American Disabilities Act of 1990 Section 4.5.4
- Bicycle Tire Penetration Resistant to AS3996-2006

**Specifications**

**General**  
 The surface drainage system shall be ACO Sport System 4000 or 6100 channels - complete with ACO ADA plastic grate with "QuickLok" locking as manufactured by ACO, Inc. or similar approved.

**Materials**  
 The covers shall be manufactured from polypropylene and have **minimum** properties as follows:

- Independently certified to meet Load Class A to DIN 19580 - 3,500 lbs - 70 psi
- UV stable polypropylene
- Intake area of 27.4 sq. in. (176.8 cm<sup>2</sup>) per half meter of grate

The overall width of 4.84" (123mm) and overall length of 19.69" (500mm). Slots measure 0.33" (8mm) by 1.74" (44mm).

**Installation**  
 The trench drain system and grates shall be installed in accordance with the manufacturer's installation instructions and recommendations.

**ACO, Inc.**  
**West Sales Office**  
 825 W. Beechcroft St  
 Casa Grande, AZ 85122  
 Tel: (520) 421-9988  
 Toll Free: (888) 490-9952  
 Fax: (520) 421-9899

**Northeast Sales Office**  
 9470 Pinecone Drive  
 Mentor, OH 44060  
 Tel: (440) 639-7230  
 Toll Free: (800) 543-4764  
 Fax: (440) 639-7235

**Southeast Sales Office**  
 4211 Pleasant Road  
 Fort Mill, SC 29708  
 Tel: (800) 543-4764  
 Fax: (803) 802-1063

Follow us on **Electronic Contact:** [info@ACOUSA.com](mailto:info@ACOUSA.com)  
[www.ACOUSA.com](http://www.ACOUSA.com)

**ACO INFO**

April 2018

**ACO SPORT**  
**ADA plastic grate details**

**Plan view**

**Side elevation**

**QuickLok® locking mechanism**

ACO QuickLok® is a patented boltless locking system, grates are removed and replaced with the minimum time and effort for ease of maintenance. The unique design provides a positive "snap down" fit into the locking bar. A stud is fitted to the grate which "locks" into the QuickLok® stud in the locking bar.

The QuickLok® stud is made from stainless steel and high density nylon, the locking bar and clip are stainless steel, for use in both general purpose and corrosive environments.

| Description                                | Part No.     | Length<br>inches (mm) | Width<br>inches (mm) | Weight<br>lbs. |
|--|--------------|-----------------------|----------------------|----------------|
| QuickLok grates<br>ADA Black plastic grate | <b>97393</b> | 19.69 (500)           | 4.84 (123)           | 1.8            |
| ADA Gray plastic grate                     | <b>97385</b> | 19.69 (500)           | 4.84 (123)           | 1.8            |
| QuickLok locking bar                       | <b>02899</b> | -                     | -                    | 0.2            |
| QuickLok grate removal hook                | <b>01518</b> | -                     | -                    | 0.6            |

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**ACO INFO**

April 2018

**ACO SPORT**  
**System 4000 - Open channel trench drain system**

**One meter channel**

**Half meter channel**

**In-line catch basin**

**Catching cap**

**4\"/>**

**ACO SPORT**  
**System 4000 Open channel trench drain system**

| Description                                      | Part No. | Invert Depth | Overall Depth | Wgt   |
|--|----------|--------------|---------------|-------|
|  |          | inches       | mm            | lbs   |
| 40003 Sloped channel - 39.37' (1meter)           | 138001   | 4.61         | 117           | 5.51  |
| 4002 Constant depth channel - 39.37' (1meter)    | 06562    | 4.61         | 117           | 5.51  |
| 40002 Sloped channel - 39.37' (1meter)           | 138002   | 4.84         | 123           | 5.75  |
| 40003 Sloped channel - 39.37' (1meter)           | 138003   | 5.08         | 129           | 5.98  |
| 40004 Sloped channel - 39.37' (1meter)           | 138004   | 5.31         | 135           | 6.22  |
| 40005 Sloped channel - 39.37' (1meter)           | 138005   | 5.55         | 141           | 6.46  |
| 40006 Sloped channel - 39.37' (1meter)           | 138006   | 5.79         | 147           | 6.69  |
| 40007 Sloped channel - 39.37' (1meter)           | 138007   | 6.02         | 153           | 6.93  |
| 40008 Sloped channel - 39.37' (1meter)           | 138008   | 6.26         | 159           | 7.17  |
| 40009 Sloped channel - 39.37' (1meter)           | 138009   | 6.50         | 165           | 7.40  |
| 4010 Constant depth channel - 39.37' (1meter)    | 06561    | 6.50         | 165           | 7.40  |
| 40103 Constant depth channel - 19.69' (0.5meter) | 138003   | 6.50         | 165           | 7.40  |
| 40010 Sloped channel - 39.37' (1meter)           | 138010   | 6.73         | 171           | 7.64  |
| 40011 Sloped channel - 39.37' (1meter)           | 138011   | 6.97         | 177           | 7.87  |
| 40012 Sloped channel - 39.37' (1meter)           | 138012   | 7.20         | 183           | 8.11  |
| 40013 Sloped channel - 39.37' (1meter)           | 138013   | 7.44         | 189           | 8.35  |
| 40014 Sloped channel - 39.37' (1meter)           | 138014   | 7.68         | 195           | 8.58  |
| 40015 Sloped channel - 39.37' (1meter)           | 138015   | 7.91         | 201           | 8.82  |
| 40016 Sloped channel - 39.37' (1meter)           | 138016   | 8.15         | 207           | 9.05  |
| 40017 Sloped channel - 39.37' (1meter)           | 138017   | 8.39         | 213           | 9.29  |
| 40018 Sloped channel - 39.37' (1meter)           | 138018   | 8.62         | 219           | 9.53  |
| 40019 Sloped channel - 39.37' (1meter)           | 138019   | 8.86         | 225           | 9.76  |
| 4020 Constant depth channel - 39.37' (1meter)    | 06563    | 8.86         | 225           | 9.76  |
| 40203 Constant depth channel - 19.69' (0.5meter) | 138035   | 8.86         | 225           | 9.76  |
| 40020 Sloped channel - 39.37' (1meter)           | 138020   | 9.09         | 231           | 10.00 |
| 40021 Sloped channel - 39.37' (1meter)           | 138021   | 9.33         | 237           | 10.24 |
| 40022 Sloped channel - 39.37' (1meter)           | 138022   | 9.57         | 243           | 10.47 |
| 40023 Sloped channel - 39.37' (1meter)           | 138023   | 9.80         | 249           | 10.71 |
| 40024 Sloped channel - 39.37' (1meter)           | 138024   | 10.04        | 255           | 10.94 |
| 40025 Sloped channel - 39.37' (1meter)           | 138025   | 10.28        | 261           | 11.18 |
| 40026 Sloped channel - 39.37' (1meter)           | 138026   | 10.51        | 267           | 11.42 |
| 40027 Sloped channel - 39.37' (1meter)           | 138027   | 10.75        | 273           | 11.65 |
| 40028 Sloped channel - 39.37' (1meter)           | 138028   | 10.98        | 279           | 11.89 |
| 40029 Sloped channel - 39.37' (1meter)           | 138029   | 11.22        | 285           | 12.13 |
| 4030 Constant depth channel - 39.37' (1meter)    | 138036   | 11.22        | 285           | 12.13 |
| 40303 Constant depth channel - 19.69' (0.5meter) | 138037   | 11.22        | 285           | 12.13 |
| 40030 Sloped channel - 39.37' (1meter)           | 138030   | 11.46        | 291           | 12.36 |

**Catch basin**  
 (In-line catch basin - 19.69' (0.5m))  
 05620  
 22.72 (580mm) x 23.07 (585mm) x 12.37 (315mm)  
 Total capacity = 5.9 gallons

**4\"/>**

**LAKE COUNTY CAPTAINS STADIUM**  
**FIELD SITE IMPROVEMENTS**  
 - 35300 VINE ST., EASTLAKE, OH 44095 - LAKE COUNTY

**DETAILS**

**PROJECT NO.**  
**230542**

DISCIPLINE  
**CIVIL**

SHEET NAME  
**SD-1**

SHEET **5** OF **10**

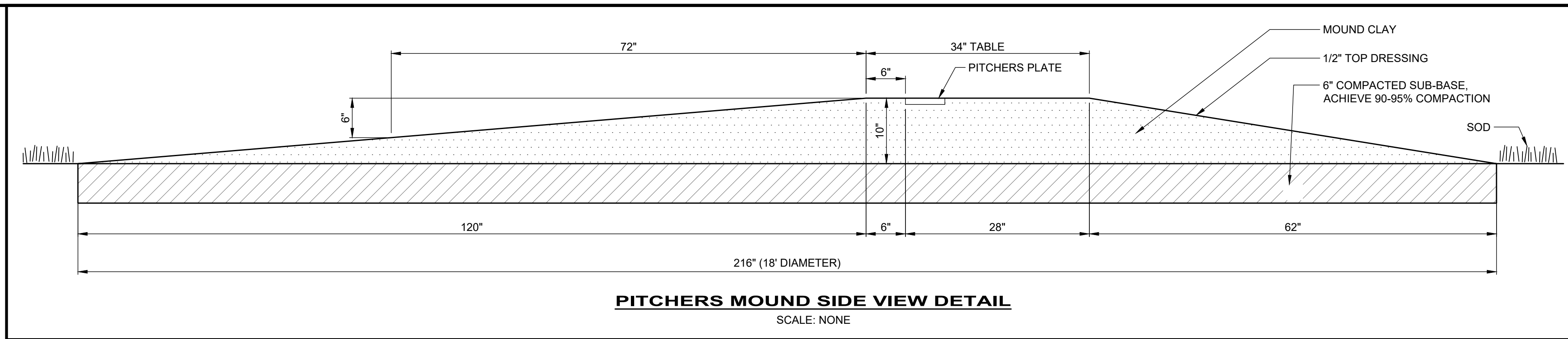
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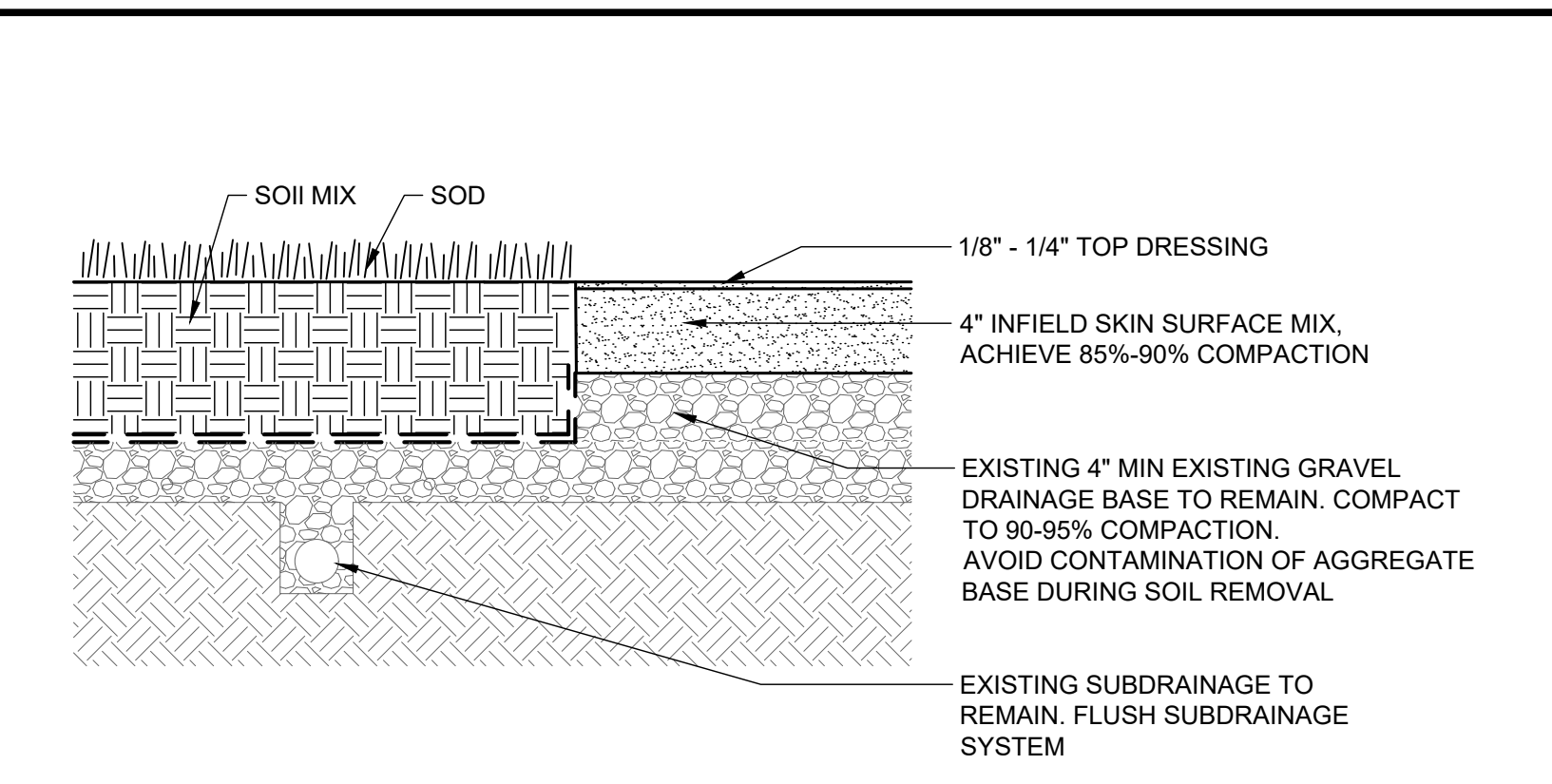
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**LAKE COUNTY CAPTAINS STADIUM**  
**FIELD SITE IMPROVEMENTS**  
 - 35300 VINE ST., EASTLAKE, OH 44095 - LAKE COUNTY

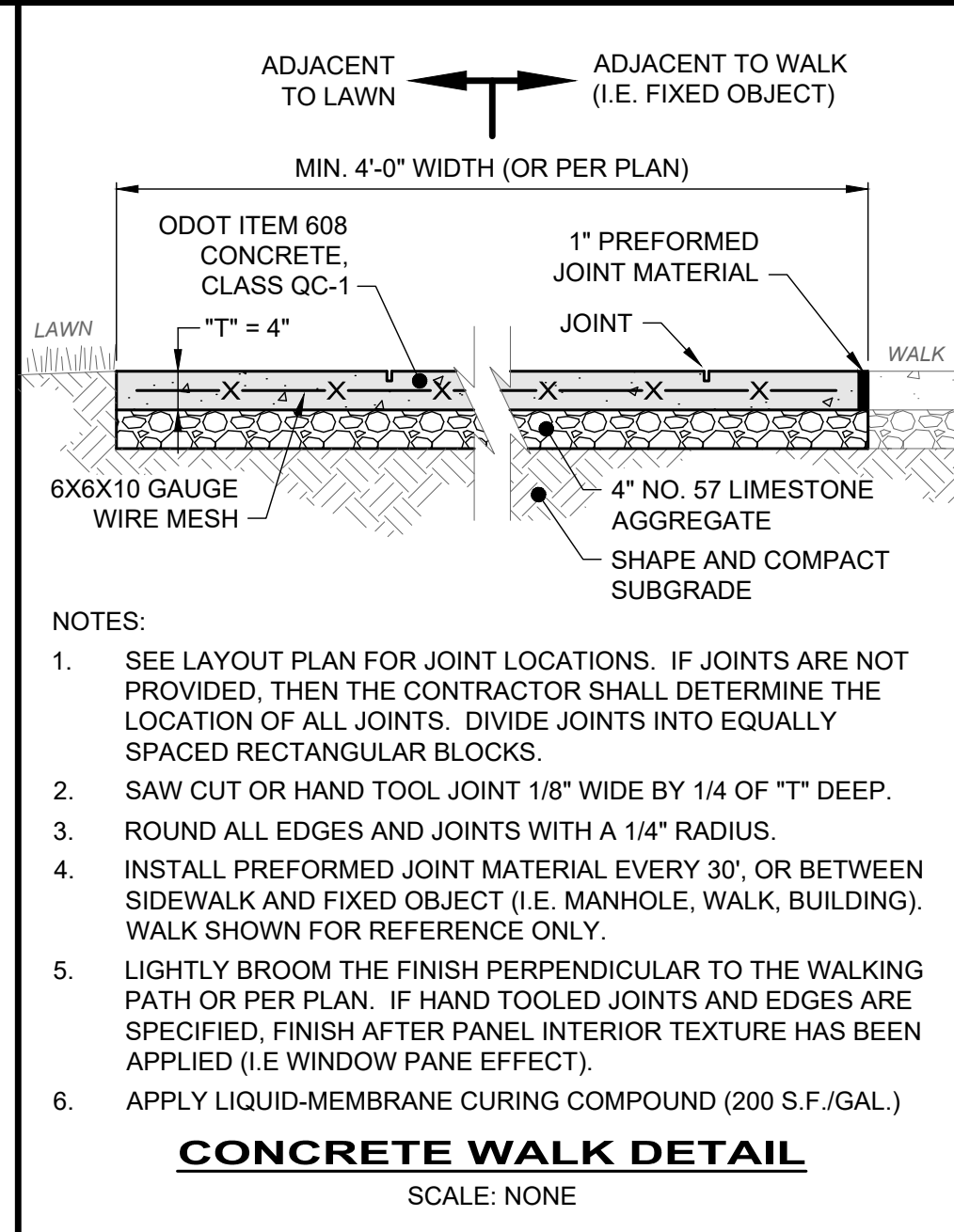
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| PROJECT NO. | 230542 |
| DISCIPLINE  | CIVIL  |
| SHEET NAME  | SD-2   |
| SHEET       | 6      |
| OF          | 10     |



**PITCHERS MOUND SIDE VIEW DETAIL**  
 SCALE: NONE

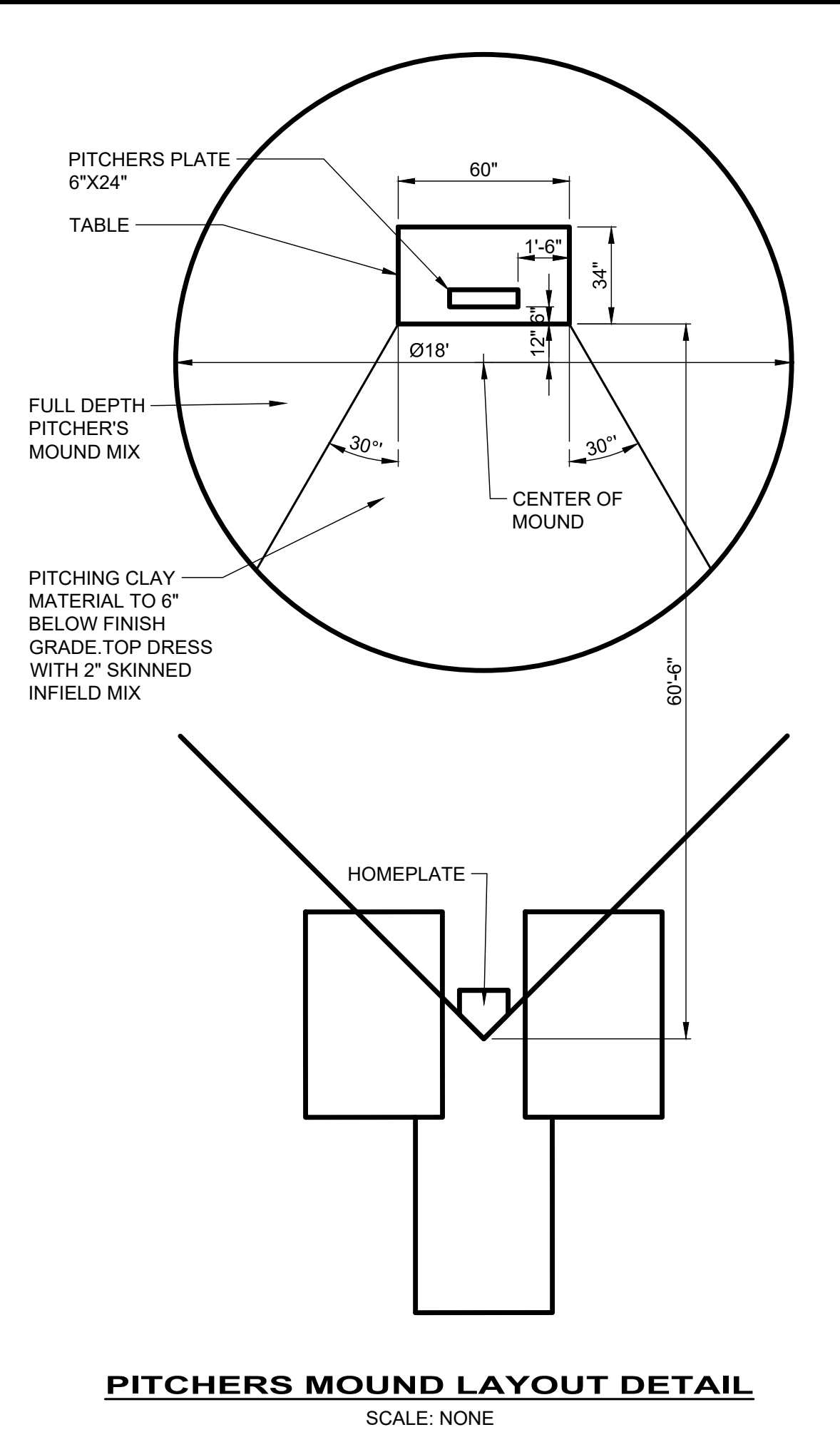


**INFIELD SKIN SURFACE DETAIL**  
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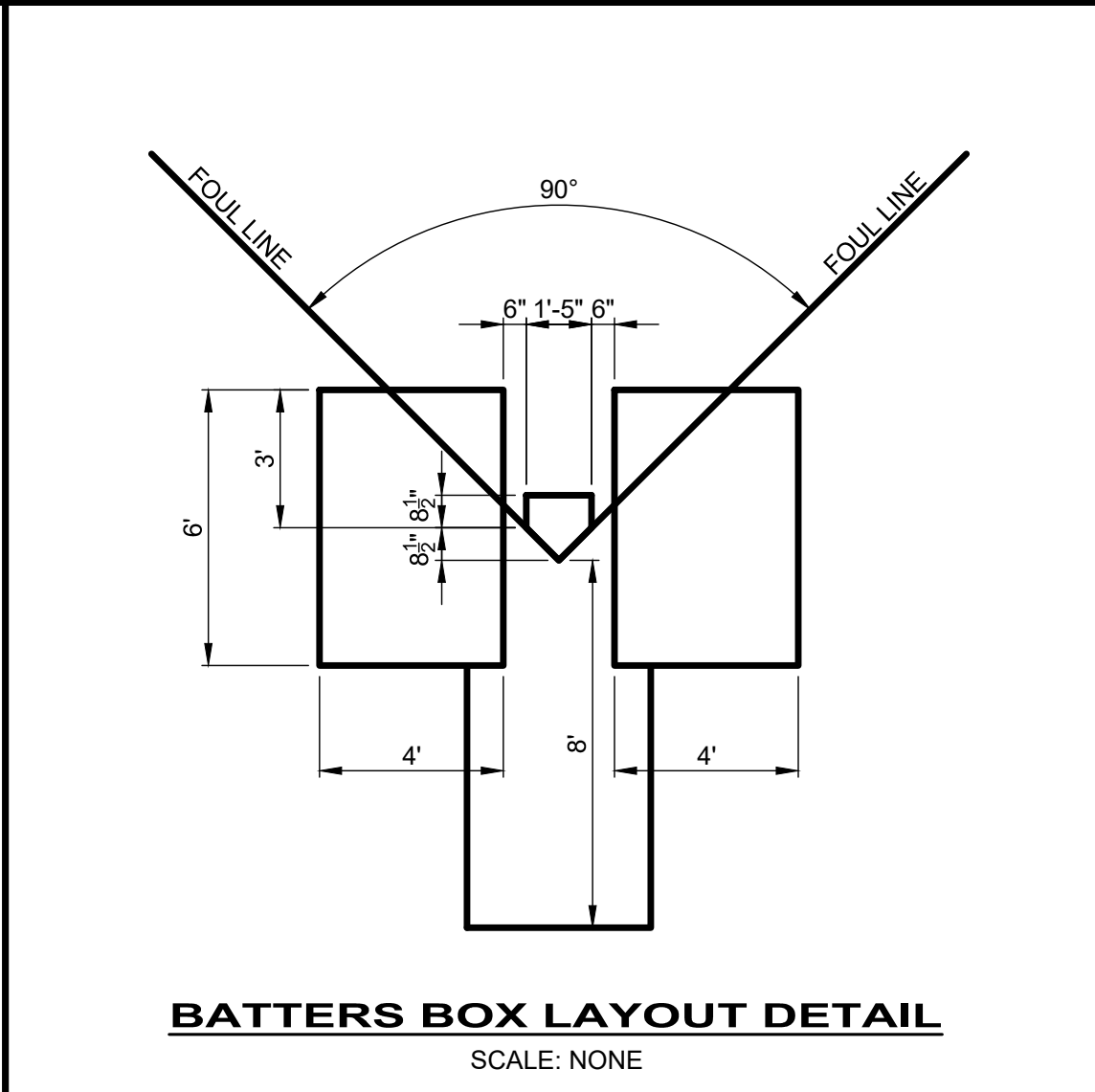


- NOTES:
- SEE LAYOUT PLAN FOR JOINT LOCATIONS. IF JOINTS ARE NOT PROVIDED, THEN THE CONTRACTOR SHALL DETERMINE THE LOCATION OF ALL JOINTS. DIVIDE JOINTS INTO EQUALLY SPACED RECTANGULAR BLOCKS.
  - SAW CUT OR HAND TOOL JOINT 1/8" WIDE BY 1/4" OF "T" DEEP.
  - ROUND ALL EDGES AND JOINTS WITH A 1/4" RADIUS.
  - INSTALL PREFORMED JOINT MATERIAL EVERY 30", OR BETWEEN SIDEWALK AND FIXED OBJECT (I.E. MANHOLE, WALK, BUILDING). WALK SHOWN FOR REFERENCE ONLY.
  - LIGHTLY BROOM THE FINISH PERPENDICULAR TO THE WALKING PATH OR PER PLAN. IF HAND TOOLED JOINTS AND EDGES ARE SPECIFIED, FINISH AFTER PANEL INTERIOR TEXTURE HAS BEEN APPLIED (I.E. WINDOW PANE EFFECT).
  - APPLY LIQUID-MEMBRANE CURING COMPOUND (200 S.F./GAL.)

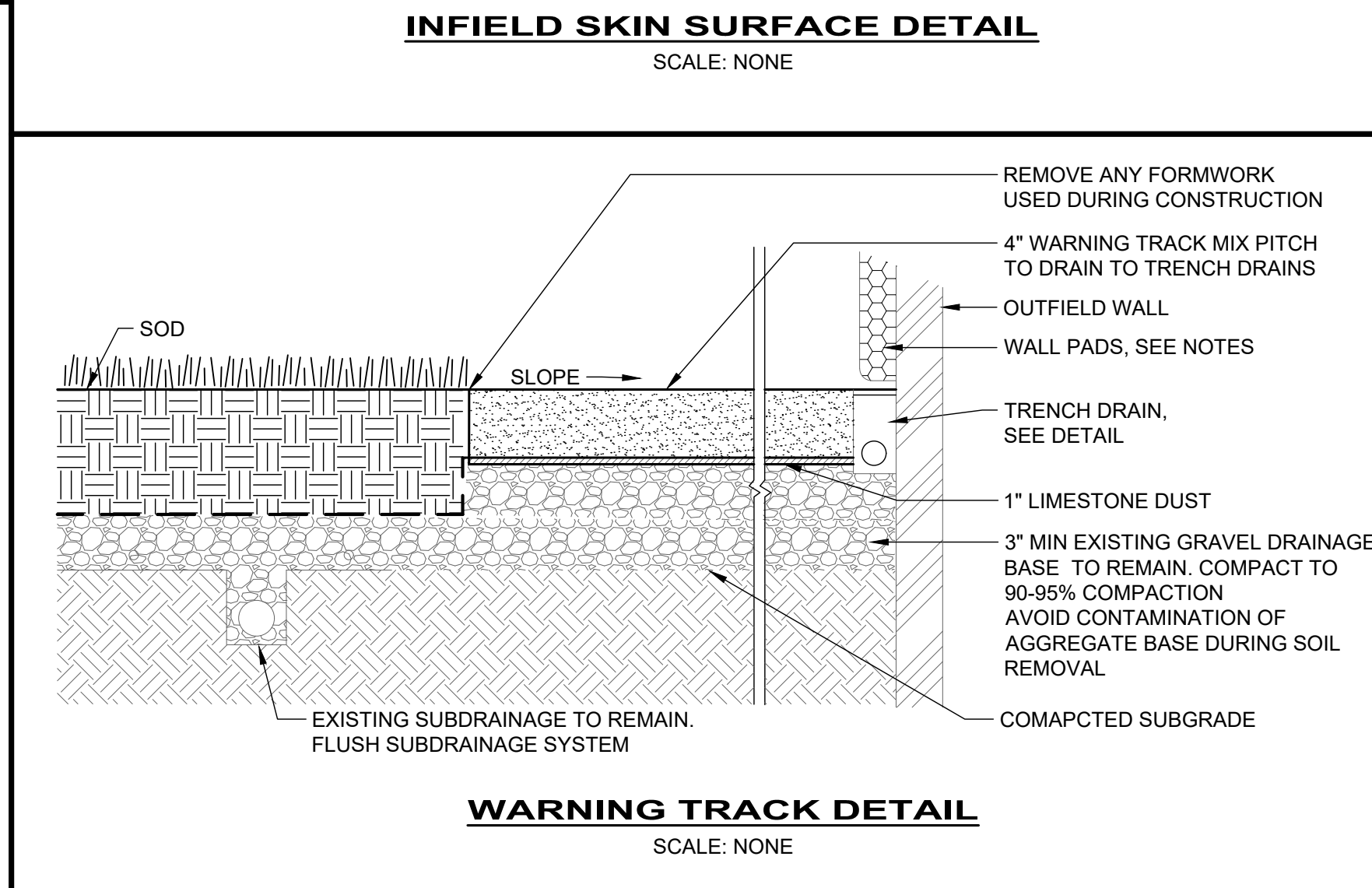
**CONCRETE WALK DETAIL**  
 SCALE: NONE



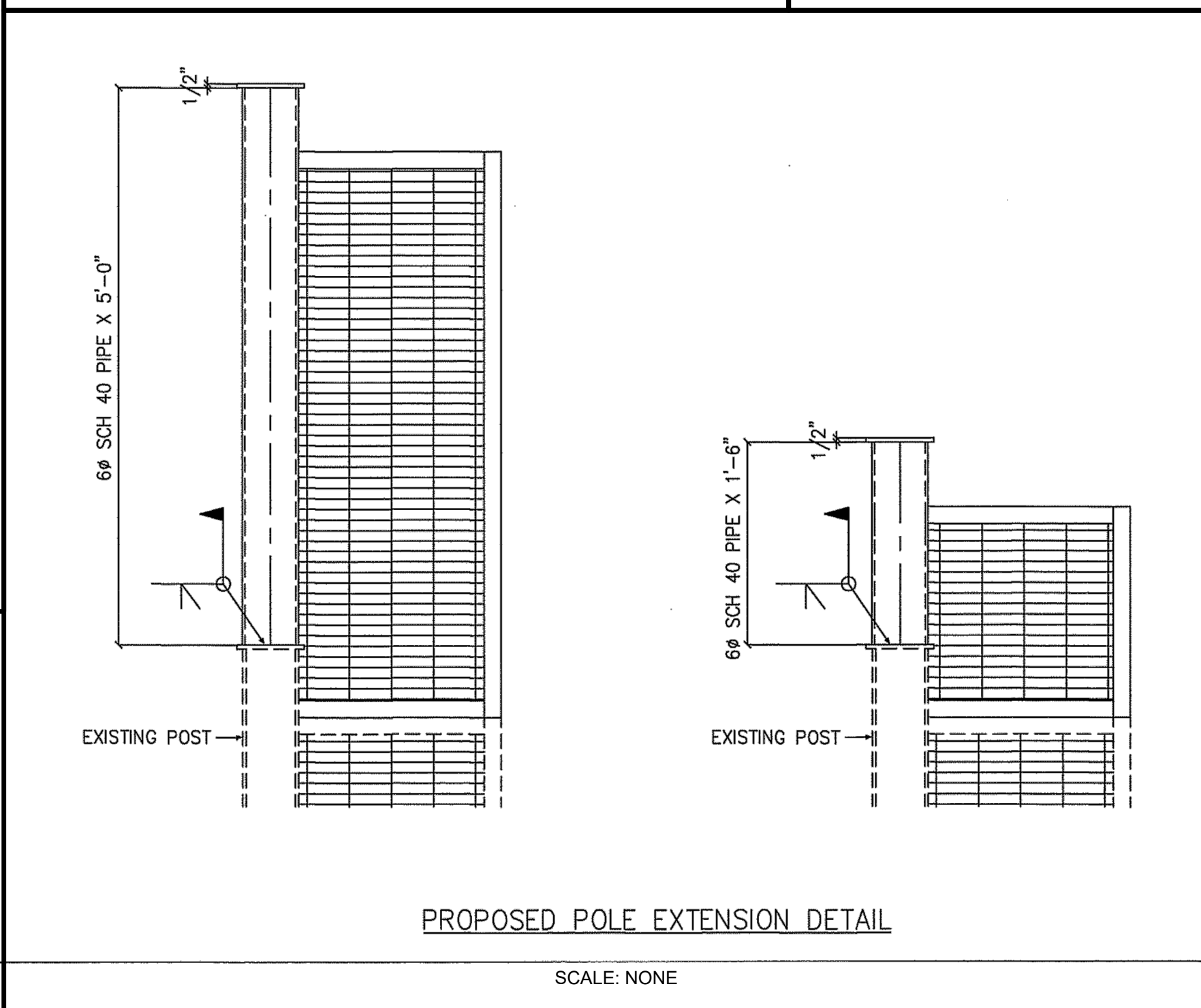
**PITCHERS MOUND LAYOUT DETAIL**  
 SCALE: NONE



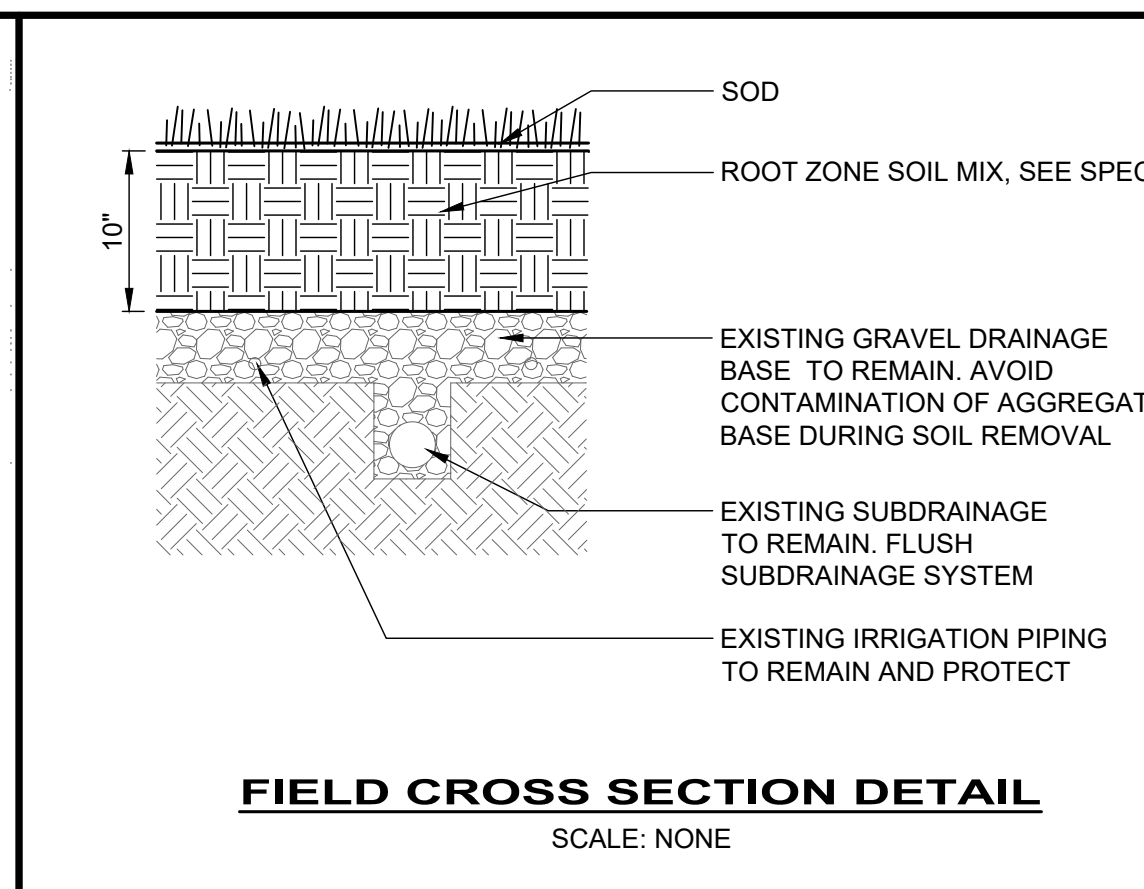
**BATTERS BOX LAYOUT DETAIL**  
 SCALE: NONE



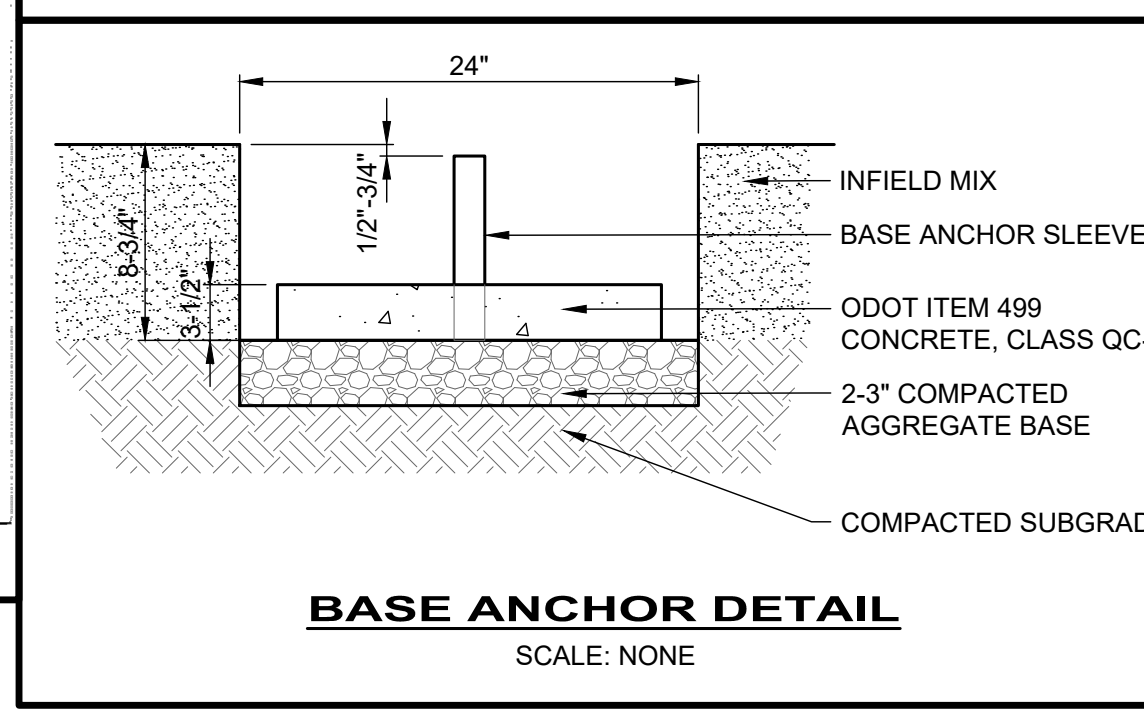
**WARNING TRACK DETAIL**  
 SCALE: NONE



**PROPOSED POLE EXTENSION DETAIL**  
 SCALE: NONE



**FIELD CROSS SECTION DETAIL**  
 SCALE: NONE



**BASE ANCHOR DETAIL**  
 SCALE: NONE

**GENERAL NOTES**

- ALL WORK REQUIRED TO COMPLETE THIS PROJECT SHALL BE PERFORMED IN ACCORDANCE WITH THE LATEST EDITION OF THE STATE OF OHIO DEPARTMENT OF TRANSPORTATION (ODOT) CONSTRUCTION AND MATERIAL SPECIFICATIONS OR THE SPECIFICATIONS/REQUIREMENTS OF THE CITY, EXCEPT AS HEREIN AMENDED. WHERE CONFLICTS OCCUR IN THE ABOVE, THE CITY REQUIREMENTS SHALL TAKE PRECEDENCE, UNLESS OTHERWISE DIRECTED BY THE CITY OR DESIGN ENGINEER.
- THE CONTRACTOR AGREES TO PAY THE PREVAILING RATES OF WAGES AS ESTABLISHED BY THE INDUSTRIAL COMMISSION OF OHIO FOR THE CLASS OF WORK CALLED FOR.
- ALL WORK INCLUDING PERMITS REQUIRED FOR REMOVAL/RELOCATION OR NEW CONSTRUCTION FOR PRIVATE OR PUBLIC WORK SHALL BE DONE BY AND AT THE EXPENSE OF THE CONTRACTOR AND INCLUDED IN THE BID PRICES FOR THE VARIOUS WORK ITEMS.
- WHEN SPECIFIED ON THE PLANS OR IN THE SPECIFICATIONS, CONTINGENCY QUANTITIES SHALL BE PERFORMED ONLY UNDER WRITTEN DIRECTION OF THE OWNER. THE CONTRACTOR SHALL NOT ORDER ANY CONTINGENCY MATERIAL OR PERFORM ANY CONTINGENCY WORK UNTIL DIRECTED. THE ACTUAL WORK LOCATION AND QUANTITIES FOR SUCH ITEMS SHALL BE DOCUMENTED BY THE CONTRACTOR.
- ALL WORK IS SUBJECT TO INSPECTION BY THE OWNER. THE OWNER RESERVES THE RIGHT TO HALT CONSTRUCTION ACTIVITY FOR NONCONFORMANCE OF PLANS, SPECIFICATIONS OR OTHER APPLICABLE STANDARDS OR REGULATIONS. NO WORK SHALL BE PERFORMED WITHOUT AN AUTHORIZED INSPECTOR PRESENT, UNLESS OTHERWISE APPROVED.
- ANY DEFECTS IN THE CONSTRUCTION, INCLUDING MATERIALS OR WORKMANSHIP, SHALL BE REPLACED OR CORRECTED BY THE CONTRACTOR BY REMOVAL AND REPLACEMENT OR OTHER APPROVED METHODS PRIOR TO ACCEPTANCE BY THE OWNER WITH NO ADDITIONAL COMPENSATION. THE CONTRACTOR SHALL BE RESPONSIBLE FOR DAMAGES TO EXISTING WATER, ELECTRICAL, STORM OR SANITARY SYSTEMS RESULTING FROM NON-CONFORMANCE WITH THE APPLICABLE STANDARDS OR THROUGH GENERAL NEGLIGENCE. FAILURE BY THE CONTRACTOR TO VERIFY AND/OR DETERMINE EXISTING INFORMATION WILL RESULT IN THE CONTRACTOR BEING RESPONSIBLE FOR ANY CHANGES NECESSARY TO COMPLETE THE WORK SPECIFIED WITHOUT ADDITIONAL COMPENSATION.
- THE CONTRACTOR SHALL MAINTAIN A CURRENT SET OF CONSTRUCTION DRAWINGS ON SITE AT ALL TIMES.
- THE CONTRACTOR SHALL SUBMIT A PLAN OF OPERATIONS FOR REVIEW AND APPROVAL BY THE OWNER THAT WILL INDICATE EQUIPMENT STAGING AREAS, STOCKPILE LOCATIONS, CONSTRUCTION TRAILERS AND SANITATION FACILITIES.
- THE CONTRACTOR SHALL MAINTAIN A SAFE WORKING ENVIRONMENT AT THE PROJECT SITE AT ALL TIMES. THE CONTRACTOR SHALL PROPERLY SUPPORT AND/OR MAINTAIN ALL EXCAVATIONS PER APPLICABLE SAFETY REQUIREMENTS AND COMPLY WITH ALL OCCUPATIONAL SAFETY & HEALTH ADMINISTRATION (OSHA) REGULATIONS. APPROPRIATE BARRICADES, WARNING LIGHTS, SIGNS, FENCING, ETC. SHALL BE ERECTED AROUND THE CONSTRUCTION AREA DURING ALL NON-WORKING HOURS TO ALERT PERSONS OF THE POTENTIAL DANGER ASSOCIATED WITH THE AREA UNDER CONSTRUCTION AS WELL AS TO PREVENT ACCESS BY UNAUTHORIZED PERSONNEL TO THE CONSTRUCTION SITE. THE CONTRACTOR IS RESPONSIBLE FOR ENSURING THE SAFETY OF THE GENERAL PUBLIC AS WELL AS ALL CONSTRUCTION PERSONNEL.
- ANY EXISTING ROADWAY, LAWN, CURB, SIDEWALK, SIGN, FENCE, LANDSCAPING ITEM, OR OTHER APPURTENANCE DISTURBED DURING CONSTRUCTION BUT NOT DESIGNATED FOR REMOVAL OR REPLACEMENT SHALL BE RESTORED BY THE CONTRACTOR WITHOUT ADDITIONAL COMPENSATION TO A CONDITION EQUAL TO OR BETTER THAN THAT WHICH EXISTED PRIOR TO DISTURBANCE AND TO THE SATISFACTION OF THE OWNER.
- THE CONTRACTOR SHALL CAREFULLY PRESERVE ALL BENCHMARKS, PROPERTY LINE REFERENCES (E.G., PINS, PIPES, MONUMENTS), AND ANY OTHER SURVEY REFERENCE. IN CASE OF DISTURBANCE, THE CONTRACTOR SHALL ENGAGE A REGISTERED SURVEYOR TO REPLACE THEM AT THE CONTRACTOR'S EXPENSE AND SHALL BE RESPONSIBLE FOR ANY ERRORS THAT MAY BE CAUSED BY THEIR LOSS OR DISTURBANCE. ALL NOTES AND CALCULATIONS USED IN RESETTling OF PROPERTY PINS, MONUMENTS, REFERENCE POINTS, OR ANY OTHER SURVEY REFERENCE SHALL BE STAMPED, SIGNED AND DATED BY THE REGISTERED SURVEYOR AND COPIES PROVIDED TO THE OWNER.
- THE CONTRACTOR SHALL DESIGNATE AND MAINTAIN A PERSON IN RESPONSIBLE CHARGE (SUPERVISOR) WITH A WORKING CELL PHONE AT THE CONSTRUCTION SITE DURING ALL CONSTRUCTION ACTIVITIES.
- CONTRACTOR SHALL COORDINATE ALL USE OF PREMISES AND ADJACENT PROPERTIES, INCLUDING PARKING OF VEHICLES, WITH ADMINISTRATOR.
- MATERIAL SAMPLES TO BE SUPPLIED TO THE OWNER FOR APPROVAL PRIOR TO DELIVERY TO THE SITE.
- CONTRACTOR SHALL PROVIDE AND MAINTAIN TEMPORARY TOILET FACILITIES AND COORDINATE LOCATION WITH THE OWNER AND FACILITIES STAFF.
- THE OWNER WILL NOT BE RESPONSIBLE FOR THE LOSS OR DAMAGE TO ANY OF CONTRACTOR'S EQUIPMENT OR SUPPLIES STORED ON THE PREMISES.

- PRIOR TO THE RELEASE OF THE RETAINER OR CONSTRUCTION BOND BY THE OWNER, THE CONTRACTOR MUST COMPLETE THE PROJECT PUNCH LIST. ALL PUNCH LIST ITEMS SHALL BE COMPLETED WITHIN ONE (1) MONTH OR 30 DAYS OF THE PUNCH LIST ISSUANCE DATE OR AS DIRECTED IN WRITING FROM THE OWNER.
- WARRANTEE PERIOD SHALL BEGIN AT THE ISSUANCE OF THE CERTIFICATE OF COMPLETION AND SHALL END EXACTLY ONE YEAR FROM THAT DATE. THE CONTRACTOR WARRANTS TO THE OWNER THAT MATERIALS AND EQUIPMENT FURNISHED UNDER THE CONTRACT WILL BE OF GOOD QUALITY AND NEW, THAT THE WORK WILL BE FREE FROM DEFECTS THAT THE WORK WILL CONFORM WITH THE REQUIREMENTS OF THE CONTRACT DOCUMENTS.
- UPON COMPLETION OF THE FIELD CONSTRUCTION, THE CONTRACTOR SHALL ENGAGE A REGISTERED SURVEYOR TO PERFORM A CERTIFIED AS-BUILT SURVEY DRAWING OF THE FINAL FIELD CONDITIONS OF PLAYING FIELD WITH SPOT GRADES, CONTOURS, SURFACE EDGES, BASINS, UTILITIES, RIMS, BURIED UTILITY BOXES AND CLEANOUTS, INVERTS, IRRIGATION VALVES AND HEADS TO VALIDATE FINAL CONSTRUCTION CONFORMS TO THE DESIGN DOCUMENTS AND MLB STANDARDS. THE AS-BUILT DOCUMENT SHALL BE STAMPED, SIGNED AND DATED BY THE REGISTERED SURVEYOR AND SUBMITTED TO THE OWNER UPON COMPLETION OF THE PROJECT.

**EXISTING CONDITION AND DEMOLITION NOTES:**

- THE CONTRACTOR MUST CONTACT THE OHIO UTILITIES PROTECTION SERVICE (OUPS) AT 1-800-362-2764 AND THE OHIO OIL AND GAS ASSOCIATION (OGPUPS) AT 1-800-925-0988 AT LEAST 48 HOURS, BUT NO MORE THAN 10 WORKING DAYS, BEFORE BEGINNING ANY DIGGING, EXCLUDING SATURDAYS, SUNDAYS AND OTHER LEGAL HOLIDAYS. NON-MEMBER UTILITIES MUST BE CONTACTED DIRECTLY. IT IS THE CONTRACTOR'S RESPONSIBILITY TO BE FAMILIAR WITH THE WRITTEN REQUIREMENTS OF OUPS AND OGPUPS. THE CONTRACTOR SHALL COORDINATE THE MARKING AND/OR LOCATING TO STAY A MINIMUM OF TWO WORKING DAYS AHEAD OF PLANNED CONSTRUCTION ACTIVITIES.
- THE LOCATIONS OF EXISTING UNDERGROUND UTILITIES SHOWN ON THE CONSTRUCTION PLANS WERE OBTAINED BY FIELD OBSERVATIONS, FROM EXISTING RECORDS, AND/OR FROM THE OWNERS OF THE RESPECTIVE UTILITIES. THE INFORMATION AS SHOWN IS BELIEVED TO BE CORRECT; HOWEVER, THE COMPLETENESS AND ACCURACY OF THIS INFORMATION CANNOT BE GUARANTEED. THE CONTRACTOR SHALL BE RESPONSIBLE TO CONTACT ALL THE VARIOUS UTILITY COMPANIES (PUBLIC AND PRIVATE) TO VERIFY THE EXISTENCE, LIMITS AND/OR LOCATION OF ANY UTILITIES WHICH MAY BE ALONG THE ROUTE OR WITHIN THE VICINITY OF THIS IMPROVEMENT.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO VERIFY THE EXISTENCE AS WELL AS THE ACTUAL LOCATION, ALIGNMENT, AND ELEVATIONS OF ALL EXISTING UTILITIES/FACILITIES WITHIN AND/OR ADJACENT TO THE GENERAL LIMITS OF THESE IMPROVEMENTS INCLUDING WATERLINES, SANITARY AND STORM SEWERS, GAS LINES, COMMUNICATION LINES/BANKS, ELECTRIC LINES, ETC. THIS MAY REQUIRE EXPLORATORY EXCAVATIONS TO BE PERFORMED BY THE CONTRACTOR FOR WHICH HE WILL NOT BE REIMBURSED. THE CONTRACTOR SHALL NOT ASSUME THAT EXISTING UTILITIES/CONDUITS WERE INSTALLED AT TYPICAL/STANDARD DEPTHS OR AT UNIFORM SLOPES/GRADES/DEPTHS BETWEEN ACCESS POINTS (CATCH BASINS, MANHOLES, JUNCTION CHAMBERS, ETC.)
- CLEARING AND GRUBBING SHALL BE PERFORMED WHERE EARTHWORK IS REQUIRED. THIS WORK SHALL INCLUDE CLEARING, GRUBBING, SCALPING AND THE REMOVAL AND DISPOSAL OF ALL VEGETATION AND DEBRIS WITHIN THE LIMITS OF WORK.
- THE CONTRACTOR SHALL REMOVE ALL SURPLUS MATERIAL, DEMOLISHED MATERIALS AND WASTE MATERIALS FROM THE PROJECT LIMITS AND LEGALLY DISPOSE OF OFF-SITE.
- PAVEMENT TO BE REMOVED SHALL BE SAWCUT IN A NEAT AND STRAIGHT LINE PRIOR TO EXCAVATION AND REMOVED FULL DEPTH AT LIMITS OR EXISTING JOINTS AS SHOWN IN THE PLANS. ADDITIONAL SAWCUTS MAY BE DESIRED TO FACILITATE THE REMOVAL OF THE EXISTING PAVEMENT, BUT THERE WILL BE NO EXTRA PAYMENT. PAVEMENT SHALL BE REMOVED WITHOUT DAMAGING OR UNDERMINING THE PAVEMENT TO REMAIN. IF ADJACENT PAVEMENT IS DAMAGED, THE CONTRACTOR SHALL MAKE ADDITIONAL SAWCUTS, REMOVE THE DAMAGED AREAS AND REPAIR AS NECESSARY WITH NO ADDITIONAL COMPENSATION.
- ANY ITEM NOT MARKED TO BE REMOVED SHALL REMAIN IN PLACE UNDISTURBED AND BE PROTECTED FROM DAMAGE DURING CONSTRUCTION.
- NO ATTEMPT HAS BEEN MADE TO NOTE ALL LOCATIONS OR SPECIFIC EXTENT OF DEMOLITION WORK. THE CONTRACTOR SHALL BE RESPONSIBLE TO PROVIDE ALL DEMOLITION NECESSARY TO EXECUTE THE NEW PLAN INCLUDING COORDINATION OF DEMOLITION WORK WITH NEW WORK SO AS NOT TO CREATE CONFLICTS OF NEW INSTALLATION.
- ALL DEMOLISHED ITEMS SHALL BECOME PROPERTY OF THE CONTRACTOR AND SHALL BE DISPOSED OF PROPERLY.
- ANY UTILITY TO BE REMOVED, RELOCATED, SHUT-OFF, AND/OR RECONNECTED BY THE RESPECTIVE UTILITY COMPANY SHALL BE COORDINATED BY THE CONTRACTOR.
- ALL EXCAVATIONS RESULTING FROM UTILITY REMOVALS SHALL BE BACKFILLED WITH PREMIUM GRANULAR MATERIAL MEETING ODOT ITEM 304. TOP WITH APPROPRIATE MATERIALS PE MATERIALS PLAN

**DRAINAGE, SOIL EROSION, SEDIMENT AND DUST CONTROL:**

- POSITIVE DRAINAGE OF ALL CONSTRUCTION AREAS SHALL BE MAINTAINED AT ALL TIMES.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR TEMPORARY SOIL EROSION AND SEDIMENT CONTROL IN ACCORDANCE WITH ODOT ITEM 670 AND AS REQUIRED BY THE LOCAL COUNTY SOIL AND WATER CONSERVATION DISTRICT.
- THE CONTRACTOR SHALL PRIOR TO CONSTRUCTION INSTALL & MAINTAIN THE FOLLOWING TEMPORARY EROSION & SEDIMENT CONTROLS THROUGHOUT CONSTRUCTION:
  - INLET PROTECTION
  - SILT SOXX AROUND PERIMETER OF DISTURBED AREAS AND STOCK PILES.
  - CONCRETE WASHOUT PIT
  - DAILY SWEEPING
  - CONSTRUCTION ENTRANCE (IF NON PAVED AREAS ARE USED)
  - TEMPORARY & PERMANENT SEEDING.
  - SOIL STOCKPILES
- PAYMENT FOR ALL SOIL EROSION, SEDIMENT AND DUST CONTROL MEASURES SHALL BE INCLUDED IN THE UNIT PRICE BID FOR OTHER VARIOUS ITEMS.

**MAINTENANCE OF TRAFFIC NOTES:**

- THE CONTRACTOR SHALL MAINTAIN TRAFFIC ADJACENT TO THE PROJECT. THE CONTRACTOR SHALL FURNISH AND MAINTAIN ALL SIGNS, FLAGS, FLAG PERSONS, BARRICADES, SIGN SUPPORTS, CONES, BARRELS AND INCIDENTALS IN CONFORMANCE WITH THE MOST RECENT REVISED EDITION OF THE OHIO MANUAL OF UNIFORM TRAFFIC CONTROL DEVICES FOR STREETS AND HIGHWAYS. INTERFERENCE WITH TRAFFIC SHALL BE KEPT MINIMAL AT ALL TIMES.
- THE CONTRACTOR SHALL COORDINATE ALL DELIVERIES WITH THE OWNER PRIOR TO DELIVERY TO DETERMINE STAGING, OFFLOADING AND STORAGE AREAS.

**GRADING NOTES:**

- ALL EXCAVATION IS CONSIDERED UNCLASSIFIED AND THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL MEANS, METHODS AND MATERIALS OF CONSTRUCTION TO COMPLETE CONSTRUCTION AS DESIGNED. THE OWNER NOR THE DESIGN ENGINEER SHALL BE RESPONSIBLE FOR THE TYPE AND/OR SUITABILITY OF THE MATERIAL UNDERLYING THE PROJECT SITE. THE BIDDER SHALL PERFORM ANY INVESTIGATIONS AND/OR TESTING NECESSARY TO ADEQUATELY DETERMINE OR ESTIMATE TO THEIR SATISFACTION ANY EXISTING SITE CONDITION WHICH COULD AFFECT HIS BID OR THE PERFORMANCE OF THE PROPOSED IMPROVEMENTS. THIS COULD INCLUDE, BUT NOT BE LIMITED TO, UNSUITABLE AND/OR UNSTABLE SOIL/SUBSURFACE CONDITIONS, ROCK, WATER (PERCHED OR FREE), SPRINGS, OBSTRUCTIONS, ETC.
- THE CONTRACTOR SHALL PROTECT STRUCTURES, UTILITIES, SIDEWALKS, PAVEMENTS AND OTHER FACILITIES TO REMAIN FROM DAMAGE CAUSED BY SETTLEMENT, LATERAL MOVEMENT, UNDERMINING, WASHOUT, AND OTHER HAZARDS CREATED BY EARTH MOVING OPERATIONS.
- THE INTENT OF THIS PROJECT IS TO UTILIZE ALL USEABLE MATERIALS EFFICIENTLY. ACTUAL FIELD CONDITIONS MAY REQUIRE DECISIONS ON MATERIAL HANDLING AND USAGE. THE CONTRACTOR IS RESPONSIBLE FOR MONITORING AND MAINTAINING SITE CONDITIONS.
- THE CONTRACTOR SHALL STRIP ROOTZONE MATERIAL FROM AREAS TO BE GRADED AND REMOVED IT FROM THE SITE PRIOR TO GRADING OPERATIONS. FIELD SOIL SHALL BE STRIPPED TO WHATEVER DEPTH ENCOUNTERED IN A MANNER TO PREVENT DISTURBING UNDERLYING SOIL SEPARATOR FABRIC AND STONE BASE AND IRRIGATION LINES.
- DO NOT STOCKPILE SOIL MATERIALS NEAR THE EDGE OF EXCAVATIONS OR WITHIN DRIP LINES OF TREES TO REMAIN.
- EXCESS MATERIAL GENERATED FROM TRENCH EXCAVATION OPERATIONS SHALL BE INCORPORATED IN THE UNIT PRICE BID FOR EXCAVATION.
- THE CONTRACTOR SHALL PERFORM EXCAVATION AND EMBANKMENT OPERATIONS AS NECESSARY TO CONSTRUCT THE PROPOSED IMPROVEMENTS AND ACHIEVE THE FINISHED GRADES SHOWN ON THE PLANS, EXCEPT AS NOTED:
  - STRUCTURAL AND ENGINEERED FILL SHALL BE WETTED OR DRIED TO NEAR ITS OPTIMUM MOISTURE CONTENT, PLACED IN LIFTS AND COMPACTED TO A MINIMUM PERCENT COMPACTION, ALL UNDER THE OBSERVATION AND TESTING OF A GEOTECHNICAL ENGINEER.
  - SOIL EXCAVATED FROM ON-SITE MAY BE USED AS FILL MATERIAL, BUT NOT FIELD MATERIALS, PROVIDED IT IS FREE OF ORGANIC MATTER, DEBRIS, EXCESSIVE MOISTURE, AND ROCK FRAGMENTS 6" AND LARGER.
  - NO SLAG, RIVER GRAVEL, RECYCLED PORTLAND CEMENT CONCRETE, RECLAIMED ASPHALT CONCRETE PAVEMENT OR RECLAIMED BITUMINOUS AGGREGATE BASE MAY BE USED.
  - THE CONTRACTOR SHALL REMOVE AND DISPOSE OFF-SITE ANY EXCAVATED, EXCESS OR UNSUITABLE MATERIAL UNABLE TO BE PLACED ON-SITE.
  - UNSUITABLE MATERIAL ENCOUNTERED DURING INSTALLATION OF PROPOSED IMPROVEMENTS (I.E. BUILDINGS, UTILITIES, PAVEMENT, ETC.) SHALL BE UNDERCUT AND REPLACED WITH COMPACTED FILL OR STABILIZED IN-PLACE UTILIZING CONVENTIONAL MEASURES SUCH AS DISCING, AERATION OR RECOMPACTION. OTHER MEANS OF STABILIZATION SHALL BE AT THE DISCRETION OF THE OWNER OR GEOTECHNICAL ENGINEER.
- IT IS THE INTENT OF THE SLOPES AND SPOT GRADES NOTED ON THE PLANS TO PROVIDE POSITIVE DRAINAGE TO STORM WATER COLLECTION POINTS. THE CONTRACTOR SHALL REPORT ANY DISCREPANCIES IMMEDIATELY TO THE DESIGN ENGINEER FOR RESOLUTION.
- EXPOSED PAVEMENT SUBGRADE AREAS SHALL BE MAINTAINED IN SUCH CONDITION THAT IT WILL BE WELL DRAINED AT ALL TIMES TO PREVENT PONDING OF WATER AFTER RAINS.
- ALL EXISTING AND PROPOSED MANHOLE COVERS, VALVE BOXES, ETC., LOCATED WITHIN PEDESTRIAN RIGHT-OF-WAYS OR SIDEWALKS SHALL BE FLUSH MOUNTED WITH THE WALKING SURFACE.
- THE CONTRACTOR SHALL RECONSTRUCT ANY SUBGRADE DAMAGED BY FREEZING TEMPERATURES, FROST, RAIN, ACCUMULATED WATER OR CONSTRUCTION ACTIVITIES WITHOUT ADDITIONAL COMPENSATION.

**LAYOUT NOTES**

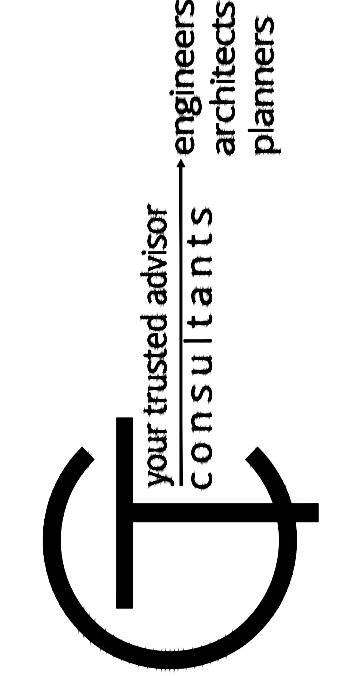
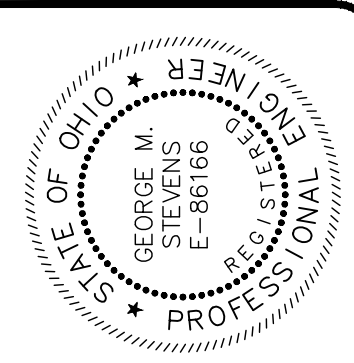
- CONTRACTOR SHALL VERIFY ALL DIMENSIONS AND NOTIFY LANDSCAPE ARCHITECT OF ANY DISCREPANCIES PRIOR TO PROCEEDING.
- ALL DIMENSIONS ARE TO FACE OF CURB OR FACE OF BUILDING UNLESS OTHERWISE NOTED.
- PAVEMENT SHALL BE CONSTRUCTED IN ACCORDANCE WITH APPLICABLE ODOT SPECIFICATIONS AND/OR CITY STANDARD DRAWINGS AND SPECIFICATIONS, UNLESS OTHERWISE SPECIFIED.
- THE CONTRACTOR SHALL BE RESPONSIBLE FOR ALL CONSTRUCTION LAYOUT STAKING INCLUDING HORIZONTAL AND VERTICAL CONTROL. THESE PLANS HAVE BEEN DEVELOPED FOR ELECTRONIC LAYOUT STAKING. ANY DISCREPANCIES DISCOVERED IN THE PLAN INFORMATION, OR BETWEEN THE PLAN AND ELECTRONIC DATA, SHALL BE BROUGHT TO THE IMMEDIATE ATTENTION OF THE DESIGN ENGINEER SO THE APPROPRIATE ADJUSTMENTS MAY BE MADE PRIOR TO THE START OF CONSTRUCTION OR THE CONTINUATION OF THE SAME. THE DESIGN ENGINEER MAKES NO REPRESENTATION REGARDING FITNESS FOR ANY PARTICULAR PURPOSE, OR SUITABILITY FOR USE WITH ANY SOFTWARE OR HARDWARE. DUE TO THE EASILY ALTERABLE NATURE OF ELECTRONIC DOCUMENTS, THROUGH EITHER UNINTENTIONAL OR INTENTIONAL MEANS, THE DESIGN ENGINEER DOES NOT MAKE ANY EXPRESS OR IMPLIED WARRANTY FOR THE ACCURACY OR COMPLETENESS OF THIS INFORMATION AND THEREFORE, ACCEPTS NO LIABILITY FOR THE COMPLETENESS, CORRECTNESS OR READABILITY OF THE ELECTRONIC DATA. HARD COPIES (I.E., PRINTS, PAPER COPIES, ETC.) SHALL PREVAIL IN ANY DISPUTE OVER ACCURACY OR SUFFICIENCY OF ELECTRONIC DOCUMENTS.

**UTILITY NOTES:**

- THE CONTRACTOR SHALL PROTECT, SUPPORT AND SHORE UP ANY EXISTING UTILITY ENCOUNTERED DURING CONSTRUCTION AND COORDINATE ALL WORK TO BE PERFORMED WITH EACH RESPECTIVE UTILITY COMPANY, INCLUDING WORK BEING PERFORMED DIRECTLY BY THE UTILITY COMPANIES, FOR MAIN OR SERVICE CONNECTIONS, DISCONNECTIONS, RELOCATIONS, DEMOLITION AND INSPECTIONS. THE CONTRACTOR SHALL SECURE AND PAY FOR ANY PERMITS, FEES AND UTILITY COMPANY CHARGES.
- THE CONTRACTOR SHALL BE RESPONSIBLE TO DETERMINE THE NECESSARY LEVELS OF PROTECTION AND SAFEGUARDING OF ALL OPEN TRENCHES, WHEN WORK IS EITHER ACTIVE, COMPLETED AT THE END OF THE DAY OR SUSPENDED FOR ANY OTHER REASON. THIS INCLUDES TRENCH PROTECTION SUCH AS TRENCH BOXES, WOOD SHEETING AND BRACING, OR ANY OTHER METHOD DETERMINED BY THE CONTRACTOR TO MAINTAIN A SAFE WORKING ENVIRONMENT. ALL EXCAVATIONS SHALL COMPLY WITH APPLICABLE LAWS AND REGULATIONS (FEDERAL, STATE AND LOCAL).
- WHERE THE PLANS PROVIDE FOR NEW CONDUIT TO BE CONNECTED TO OR CROSS OVER OR UNDER AN EXISTING UTILITY, THE CONTRACTOR SHALL LOCATE THE EXISTING UTILITY BOTH AS TO LINE AND GRADE BEFORE BEGINNING TO LAY THE NEW CONDUIT.
- THE CONTRACTOR SHALL JET-CLEAN ALL STORM SEWERS AND VACUUM CLEAN ALL MANHOLES AND CATCH BASINS BEFORE ACCEPTANCE BY THE OWNER.
- ROOF DRAINS, FOUNDATION DRAINS AND OTHER CLEAN WATER CONNECTIONS TO THE SANITARY SEWER SYSTEM ARE PROHIBITED.
- STORM SEWERS**

STORM MAIN SEWERS SHALL BE ONE OF THE FOLLOWING:

  - POLYVINYL CHLORIDE PIPE (PVC) 4" - 15" DIAMETER
  - ALL POLYVINYL CHLORIDE PIPE IN THIS SIZE RANGE SHALL CONFORM TO ASTM D-3034 SDR 35, SHALL BE INTEGRAL BELL AND SPIGOT TYPE, WITH JOINTS CONFORMING TO ASTM D-3212 AND ELASTOMERIC SEALS CONFORMING TO ASTM F-477.
  - ALL PIPE AND FITTINGS SHALL BE MARKED OR STENCILED IN CONFORMANCE WITH ASTM D-3034. ALL GASKETS SHALL BE MARKED OR STENCILED WITH THE ASTM SPECIFICATION DESIGNATION, NAME OR TRADEMARK OF THE MANUFACTURER, AND PIPE SIZE.



| ISSUED FOR: | ISSUE DATE: | SCALE:   | DESIGNED BY: | DRAWN BY: | CHECKED BY: |
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**LAKE COUTY CAPTAINS STADIUM  
FIELD SITE IMPROVEMENTS  
- 35300 VINE ST, EASTLAKE, OH 44095 - LAKE COUNTY**

**GENERAL NOTES**

|             |               |
|-------------|---------------|
| PROJECT NO. | <b>230542</b> |
| DISCIPLINE  | <b>CIVIL</b>  |
| SHEET NAME  | <b>GN1</b>    |
| SHEET       | OF            |
| <b>7</b>    | <b>10</b>     |

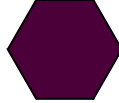


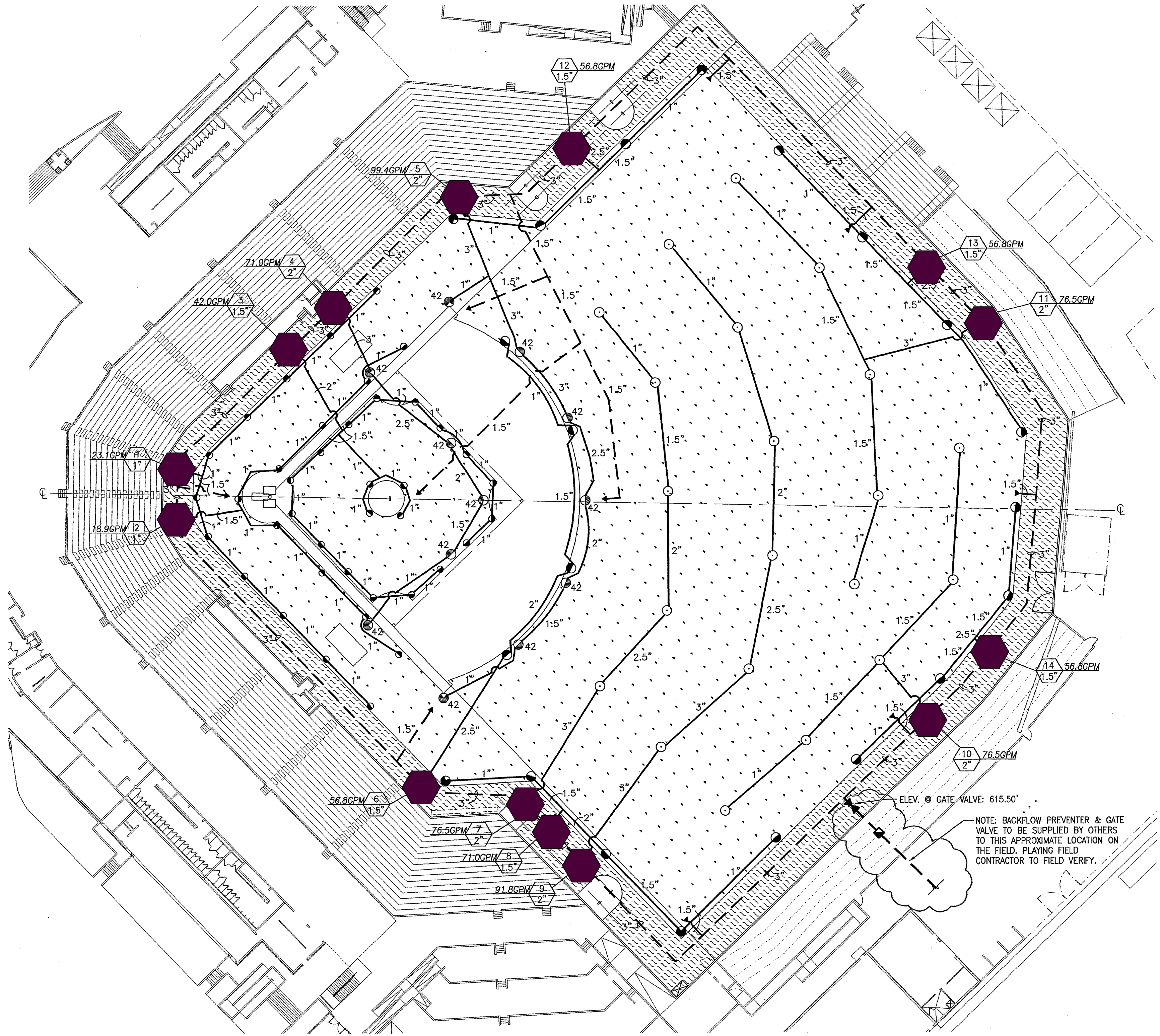
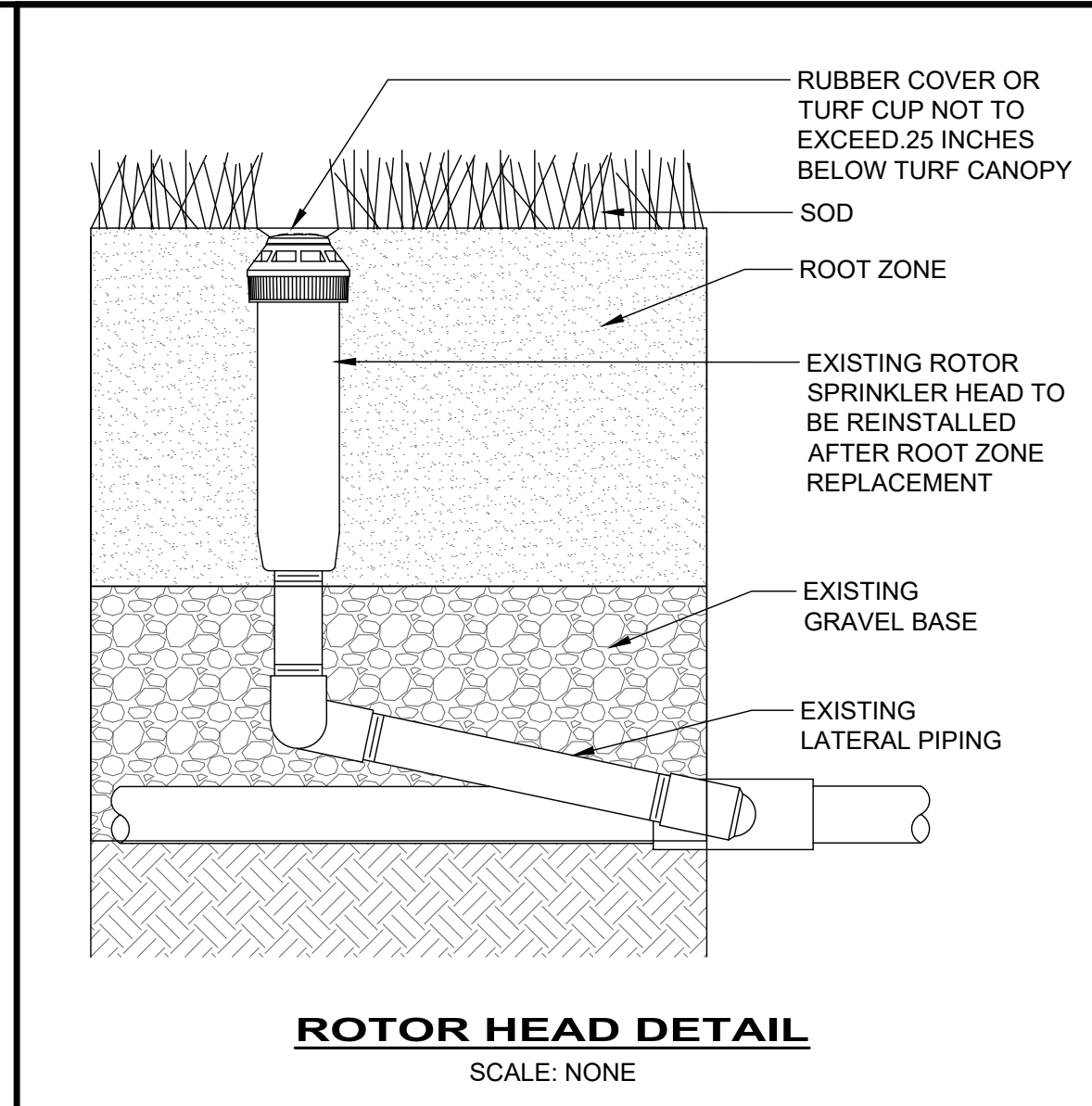
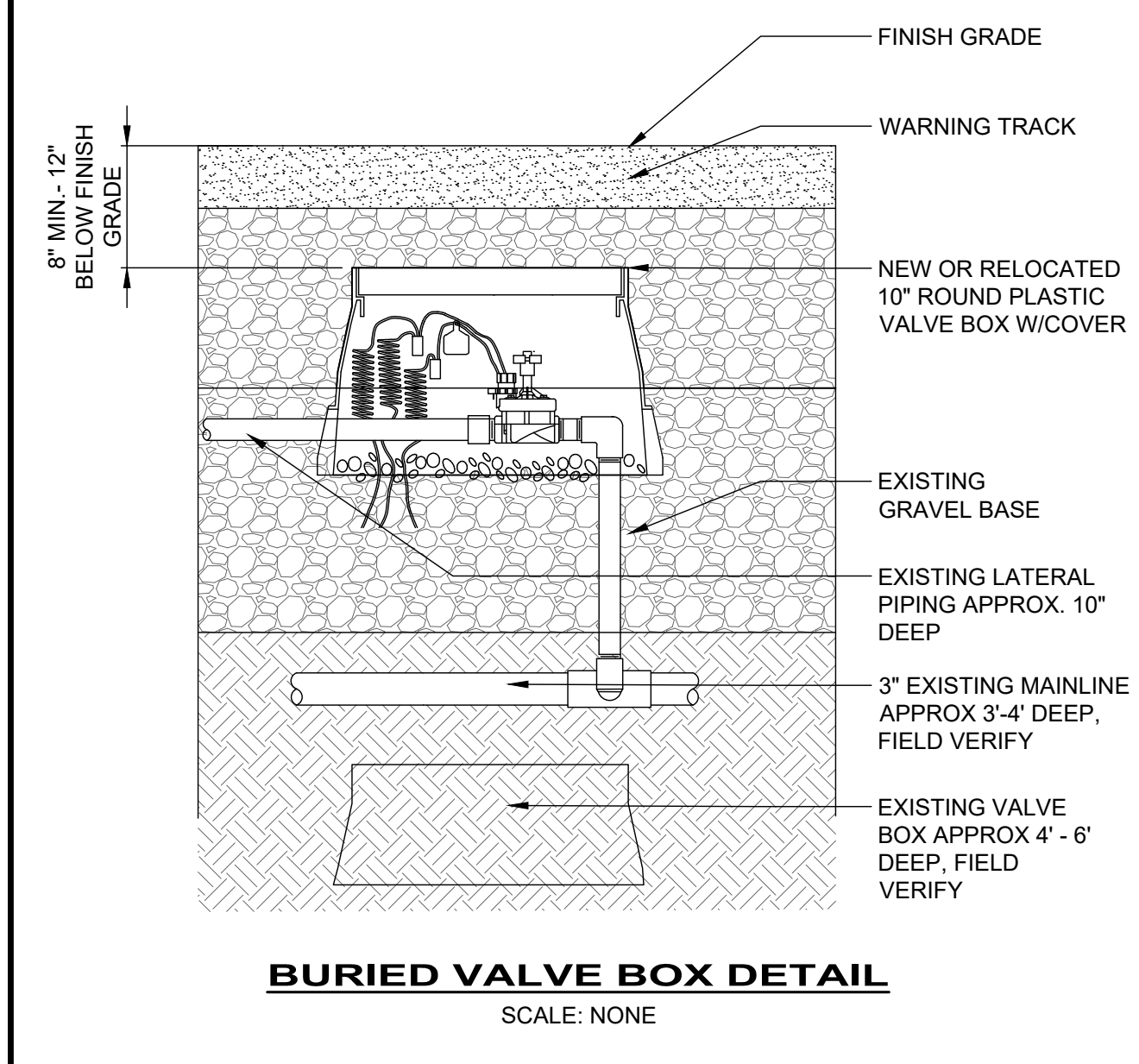


**IRRIGATION NOTES**

1. CONTRACTOR SHALL REMOVE, CAP AND RE-INSTALL IRRIGATION HEADS PRIOR TO CONSTRUCTION. REINSTALL HEADS BEFORE SOD INSTALLATION.
2. IRRIGATION DIAGRAMMATIC PLAN INCLUDED FOR REFERENCE ONLY FOR LOCATING EXISTING SPRINKLE HEADS, IRRIGATION LINES AND VALVE BOXES.
3. THE CONTRACTOR SHALL LOCATE ALL IRRIGATION COMPONENTS PRIOR TO EXCAVATION. ALL UTILITIES DAMAGES AS A RESULT OF CONTRACTORS WORK SHALL BE REPAIRED OR REPLACED BY TECH CONTRACTOR AT NO ADDITIONAL EXPENSE TO THE OWNER.
4. EXISTING BURIED VALVE BOXES. INSTALL NEW SAME SIZE VALVE BOXES 12" BELOW FINISH GRADE. IRRIGATION VALVE SHALL BE RELOCATED TO NEW VALVE BOX.
5. ALL VALVE BOXES SHALL BE COVERED WITH SYNTHETIC TURF AND IT MUST BE SECURELY ATTACHED TO THE LID. VALVE BOXES AT THE SURFACE BEHIND MOUND AND THE RIGHT FIELD CORNER NEED TO HAVE SYNTHETICS TURF SECURELY ATTACHED TO THE LID SO IT IS COVERED COMPLETELY.
6. ALL IRRIGATION HEADS TO BE REINSTALLED 3' FROM TRACK, SKINNED INFIELD CLAY AND BASELINE EDGES. ADJUST AND FINE TUNE ALL NOZZLES TO PROVIDE PROPER COVERAGE.
7. SPRINKLER HEADS: REPLACE SPRAY HEADS AND LARGE TURF ROTORS WITH PRESSURE COMPENSATING FOR HEAD TO HEAD UNIFORM AND EFFICIENT COVERAGE.
8. VALVES: REPLACE WITH PRO SERIES CAPABLE OF HANDLING UP TO 200PSI WITH GLASS-FILLED NYLON CONSTRUCTION AND A REINFORCED RUBBER DIAPHRAGM.
9. SPRINKLER VALVES AND HEADS SHALL MATCH BRAND CURRENTLY INSTALLED.
10. REPLACE ANY PIPING DAMAGED DURING RESTORATION CONSTRUCTION WORK.
11. CONTRACTOR SHALL TEST SYSTEM FOR ANY LEAKS AND PROPER COVERAGE FOR FINAL COMPLETION.
12. ALL IRRIGATION HEADS TO BE INSTALLED 3" FROM WARNING TRACK, SKINNED INFIELD AND BASELINE EDGES. ADJUST AND FINE TUNE ALL NOZZLES TO PROVIDE PROPER COVERAGE.
13. IRRIGATION CONTRACTOR TO NOTIFY OWNERS REPRESENTATIVE OF ANY CHANGES.
14. IRRIGATION PLAN SHOWN WAS PREPARED BY DLR GROUP 05/07/02. CONTRACTOR SHALL FIELD VERIFY ACTUAL SITE CONDITIONS.

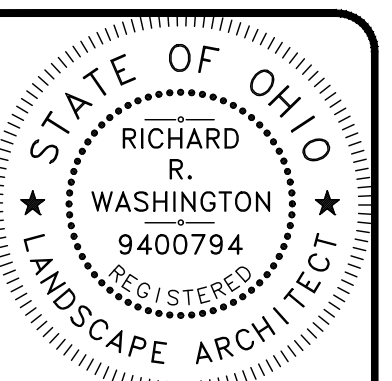
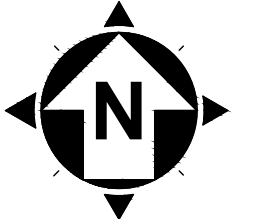
**LEGEND**

 14 VALVE BOXES (VERIFY LOCATIONS) TO BE RAISED IN GRADE



**1 IRRIGATION PLAN**  
SCALE: NONE

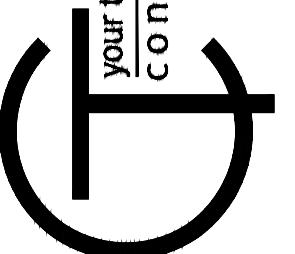
SCALE: 1" = 30'-0"



Richard Washington, License #794  
Expiration Date 12/31/2024

your trusted advisor  
consultants

engineers  
architects  
planners

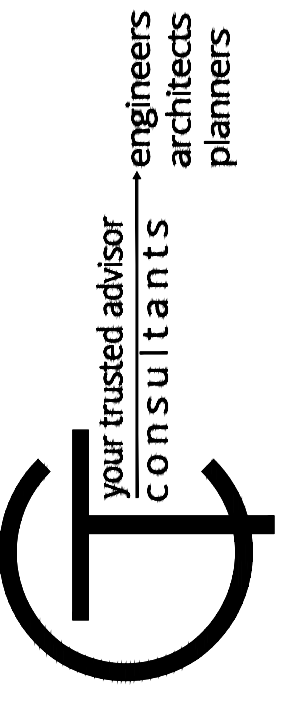


| ISSUED FOR:  | BID SET  | NO | REVISION | DATE |
|--------------|----------|----|----------|------|
| ISSUE DATE:  | 7/23/24  |    |          |      |
| SCALE:       | AS SHOWN |    |          |      |
| DESIGNED BY: | RW, GS   |    |          |      |
| DRAWN BY:    | RW, GS   |    |          |      |
| CHECKED BY:  | DB       |    |          |      |

**LAKE COUTY CAPTAINS STADIUM**  
FIELD SITE IMPROVEMENTS  
- 35300 VINE ST, EASTLAKE, OH 44095 - LAKE COUNTY

**IRRIGATION PLAN**

|             |        |
|-------------|--------|
| PROJECT NO. | 230542 |
| DISCIPLINE  | CIVIL  |
| SHEET NAME  | IR1    |
| SHEET       | 9      |
| OF          | 10     |



| DATE | REVISION | NO | BID SET | ISSUED FOR | ISSUE DATE | SCALE    | DESIGNED BY | DRAWN BY | CHECKED BY |
|------|----------|----|---------|------------|------------|----------|-------------|----------|------------|
|      |          |    | 7/23/24 |            |            | AS SHOWN | RW, GS      | RW, GS   | DB         |

**LAKE COUNTY CAPTAINS STADIUM**  
**FIELD SITE IMPROVEMENTS**  
 - 35300 VINE ST., EASTLAKE, OH 44095 - LAKE COUNTY

|             |        |
|-------------|--------|
| PROJECT NO. | 230542 |
| DISCIPLINE  | CIVIL  |
| SHEET NAME  | GP1    |
| SHEET       | 10     |
| OF          | 10     |

**GRADING & STORM PLAN**

- NOTES**
- CLEAN EXISTING STORM DRAINS AND LINES. VAC ENTIRE SYSTEM TO REMOVE ALL DEBRIS.
  - INSTALL ACO SYSTEM 4000 (OR APPROVED EQUAL) STORM SYSTEM ALONG WALL. 4" WIDE, PLACE UNDER WALL PADS. SEE DETAIL.
  - TIE INTO EXISTING SYSTEM WITH ACO SYSTEM 4000 CATCH BASINS (OR APPROVED EQUAL) AT LOCATIONS SHOWN.
  - REMOVE EXISTING CLEAN-OUT DRAINS BY CAPPING THEM AT A LOWER ELEVATION WITH A SOLID METAL CAP APPROX 6-8" BELOW FINISH GRADE.
  - ENSURE 4"x4" x 4" CONNECTION TEES ARE COMPATIBLE WITH EXISTING 4" PERFORATED/CORRUGATED PIPE
  - MINIMUM 1 DOWEL CONNECTION TO EXISTING CONCRETE WALL PER 1/2 METER ACO SYSTEM 4000 DRAIN PIECES.
  - CONTRACTOR SHALL LASER GRADE, SOD, INFIELD AND WARNING TRACK TO MEET GRADES SHOWN ON PLANS.
  - CONTRACTOR SHALL SUPPLY AS-BUILT SURVEY TO VALIDATE THAT FIELD GRADES MEET PLANS AND MLB STANDARDS.

