

ADDENDUM NO. 1

PROJECT NAME: NEBRASKA SOCCER & TENNIS COMPLEX - SOCCER FIELD
UNL PROJECT NUMBER: C909P101
BID INVITATION NUMBER: 2268-13-7200

CONSULTANT: OLSSON ASSOCIATES, INC.
ADDRESS: 1111 LINCOLN MALL, SUITE 111, LINCOLN, NE 68508

DATE OF ISSUANCE: WEDNESDAY, NOVEMBER 20, 2013
DATE OF BID OPENING: TUESDAY, NOVEMBER 26, 2013

The bid documents dated November 1, 2013, for the above referenced project are amended by this addendum.

NOTICE: This Addendum is issued to all interested prospective bidders as an amendment to the project manual or other parts of the bidding (contract) documents for the above named project. Reference to this Addendum must be included in the Bid proposal. The information contained herein shall be fully incorporated into the contract documents as though originally included therein.

GENERAL INFORMATION:

PRE-BID MEETING

Attached is the pre-bid meeting sign-in sheet.

QUESTIONS:

Question: *What is the Completion Date?*

Response: May 15, 2014

Question: *Will there be a survey hub on site?*

Response: The Project Engineer will set an initial horizontal control point and benchmark on the site for the Contractor. All other staking will be at Contractor's expense.

MODIFICATIONS TO THE PROJECT MANUAL:

SECTION 00 45 50 – BIDDER'S QUALIFICATIONS

1. Refer to Part 3, A. Add the following: The Certified Field Building (CFB) will be required on site daily to oversee the construction of the project.

SECTION 00 41 13 – BID PROPOSAL FORM

1. Replace with the attached Section 00 41 13 - Bid Proposal Form.

SECTION 01 22 00 – UNIT PRICES

1. Refer to Part 3.1, Unit Price No. 1: Fertilization of the Sand Rootzone. Change last sentence to read: "This shall be utilized only if approved by the Owner."
2. Refer to Part 3.1 Unit Price No. 2: Fungicide Treatment. Change last sentence to read: "This shall be utilized only if approved by the Owner."

ADDENDUM NO. 1

Project Name: Nebraska Soccer & Tennis Complex-Soccer Field

Project Number: C909P101

2 of 2

SECTION 01 23 00 – ALTERNATES

1. Add this section to the Project Manual.

SECTION 01 50 00 – TEMPORARY FACILITIES

1. Refer to 3.2, A. Add the following paragraph: "The Contractor will be required to pay for all water usage on project including the 60 day maintenance of the sod."

SECTION 31 11 16 – PERMEABLE BASE AGGREGATES FOR SYNTHETIC TURF SYSTEMS

1. Add this section to the project manual.

SECTION 32 92 01 – PLAYING FIELD SOD

1. Refer to 1.5 Delivery, Storage and Handling, A, 1. Change sentence to read: "Sod shall be delivered overnight by means of standard shipping".

SECTION 33 46 01 – PLAYING FIELD SUBDRAINAGE SYSTEMS

1. Refer to 2.1, E. Remove this paragraph.

MODIFICATIONS TO THE DRAWINGS:

DRAWING NO. 0 – COVER SHEET

1. Refer to Drawing No. SDL07 for site staging and limits of construction requirements.

DRAWING NO. 1 – SOCCER FIELD LAYOUT PLAN

1. Replace temporary protection note on drawing to read: "Provide a temporary fence around perimeter of soccer field for protection. Future Building Contractor will remove the temporary fence."
2. Refer to Drawing No. SDL01 and SDL02 for additional requirements of adding a synthetic turf area to the project

DRAWING NO. 2 – SOCCER FIELD GRADING PLAN

1. Refer to Drawing No. SDL03 for additional spot elevations around the synthetic turf area

DRAWING NO. 3 – SOCCER FIELD DRAINAGE PLAN

1. Refer to Drawing No. SDL04 for revisions to the subdrainage pipe for the synthetic turf area

DRAWING NO. 4 – SOCCER FIELD PLANTING PLAN

1. Refer to Drawing No. SDL05 for revisions to the sod areas around the synthetic turf area

DRAWING NO. 5– SOCCER FIELD IRRIGATION PLAN

1. Refer to Drawing No. SDL06 for revisions to the irrigation system around the synthetic turf area

END OF ADDENDUM NO. 1

BID PROPOSAL

TO: THE BOARD OF REGENTS OF THE UNIVERSITY OF NEBRASKA
c/o University of Nebraska-Lincoln
Business Services
Procurement Services Dept.
1700 Y Street
Lincoln, NE 68588-0645

BID PROPOSAL FOR: General Construction – Soccer Field

PROJECT: C909P101-Nebraska Soccer & Tennis Complex - Soccer Field

INVITATION NO.: 2268-13-7200

COMPLETE THE FOLLOWING INFORMATION – BIDDERS NAME AND TYPE OF BUSINESS:

This Bid is offered by _____, hereinafter referred to as the Bidder,

- a corporation organized and existing under the laws of the State of _____.
- a limited liability company organized and existing under the laws of the State of _____.
- a partnership doing business as _____.
- an individual doing business as _____.

In response to the Bidding Requirements for the construction of the project identified above by name, invitation number, and project number, the Bidder hereby makes the following representations:

Bidder has received the drawings and specifications for the project prepared by

Bidder has examined the Bidding Documents, visited the site, and otherwise familiarized itself with the local conditions affecting the construction of the project.

COMPLETE THE FOLLOWING INFORMATION – BASE BID:

Bidder agrees to furnish all labor, materials, tools, equipment, services, transportation, and supervision required to complete the work indicated in the Bidding Documents within the time set forth herein for the lump sum Base Bid amount of

_____ Dollars (\$_____).

COMPLETE THE FOLLOWING INFORMATION – ALTERNATE PROPOSALS:

The Base Bid amount given above may be increased or decreased by the acceptance of any of the Alternate Proposals listed below. The full and complete description of the work to be added to or deleted from the scope of the project by each of the Alternate Proposals is that found in Division 01, Section 01 23 00 - Alternates.

Alternate No. 1: Overnight Delivery of Sod in Refrigerated Trucks

Add cost to provide sod to the job site in refrigerated trucks. See Section 32 92 01 for additional information and requirements.

_____ Dollars (\$_____)

COMPLETE THE FOLLOWING INFORMATION – UNIT PRICE PROPOSALS:

The Contract Sum may be increased or decreased by Change Order through the application of the appropriate unit price to the quantities of work added to or deducted from the original scope of work. The unit prices given below are to be utilized in accordance with the provisions of Section 01 22 00 – Unit Prices to compute the adjustments to the Contract Sum resulting from changes in the quantity of any work for which a unit price proposal is provided.

SECTION 00 41 13 - BID PROPOSAL FORM

Unit Price No. 1: Fertilization of the Sand Rootzone

Submit a unit price cost in pounds per square foot for labor, material and equipment (including overhead & profit) to incorporate fertilizer into the sand rootzone. See Section 32 18 11 and 31 18 19 for additional information and requirements. This shall be utilized only if approved by the Owner.

_____ Dollars (\$ _____) per _____

Unit Price No. 2: Fungicide Treatment

Submit a unit price cost per square foot for labor, material and equipment (including overhead & profit) to provide sod fungicide treatments. See Section 32 18 19 and 32 92 01 for additional information and requirements. This shall be utilized only if approved by the Owner.

_____ Dollars (\$ _____) per _____

PROVIDE THE FOLLOWING INFORMATION – BID SECURITY:

Included with this Proposal is Bid Security of the type and in the amount required by the Bidding Instructions.

COMPLETE THE FOLLOWING INFORMATION – NUMBER OF ADDENDA RECEIVED:

Bidder has received Addenda Nos. _____, and has included their provisions in this Bid.

COMPLETE THE FOLLOWING INFORMATION – CALENDAR DAYS TO COMPLETE THE WORK:

To substantially complete the work not later than _____ calendar days from the start of construction given in the Notice to Proceed. (Bidder to enter number of days.) Time is of the essence and may be a factor in the award of this Contract.

COMPLY WITH THE FOLLOWING INFORMATION:

In submitting this Bid, Bidder agrees to the following:

1. To hold this Bid open for 60 days following the bid date.
2. To enter into and execute the "University of Nebraska Standard Form Construction Agreement" based upon this Bid, if accepted by Owner.
3. To perform all work required by the Contract Documents.
4. That this Bid has been arrived at without collusion with other Bidders and without any effort or activity which might prevent the University of Nebraska from receiving the lowest possible competitive Bid.
5. To comply with Nebraska Fair Employment Practice Act, understanding that a breach of this provision will be regarded as a material breach of contract.
6. To review and comply with University of Nebraska-Lincoln Standard Terms of Purchase. View at <http://www.nebraska.edu/administration/business-and-finance/purchasing/terms-of-purchase.html>.
7. To comply with all other applicable policies, procedures and requirements of the Board of Regents of the University of Nebraska with respect to this Bid, the Project, the bid invitation and/or the bidding process.

SECTION 00 41 13 - BID PROPOSAL FORM

COMPLETE THE FOLLOWING INFORMATION – SIGNATURE AND CONTACT INFORMATION:

Address:

Signature:

Printed Name:

Tele. No.:

Title:

Fax. No.:

Dated this

day of

, 20

Email Address:

SECTION 01 23 00 - ALTERNATES

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General Conditions and other Division-01 Specifications Sections, apply to this Section.

1.2 SUMMARY

- A. This Section specifies administrative and procedural requirements for Alternates.
- B. Definition: An Alternate is an amount proposed by Bidders and stated on the Bid Form for certain construction activities defined in the Bidding Requirements that may be added to or deducted from Base Bid amount if the Owner decides to accept a corresponding change in either the amount of construction to be completed, or in the products, materials, equipment, systems or installation methods described in Contract Documents.
- C. Coordination: Coordinate related Work and modify or adjust adjacent Work as necessary to ensure that Work affected by each accepted Alternate is complete and fully integrated in the project.
- D. Notification: Immediately following the award of the Contract, prepare and distribute to each party involved, notification of the status of each Alternate. Indicate whether Alternates have been accepted, rejected or deferred for consideration at a later date. Include a complete description of modifications to Alternates.
- E. Schedule: A Schedule of Alternates is included at the end of the Section. Specification Sections referenced in the schedule contain requirements for materials and methods necessary to achieve the work described under each Alternate.
 - 1. Include as part of each Alternate, miscellaneous devices, accessory objects and similar items incidental to or required for a complete installation whether or not mentioned as part of the Alternate.

PART 2 - PRODUCTS (Not Applicable)

PART 3 - EXECUTION

3.1 SCHEDULE OF ALTERNATES

ALTERNATE NO. 1: OVERNIGHT DELIVERY OF SOD IN REFRIGERATED TRUCKS

Provide cost to provide sod to the job site in refrigerated trucks. See Section 32 92 01 for additional information and requirements.

END OF SECTION

TCEP No.: 106-027-13

SECTION 32 11 16 – PERMEABLE BASE AGGREGATES FOR SYNTHETIC TURF SYSTEMS

1. GENERAL

1.1 RELATED DOCUMENTS

- A. Drawings and general provisions of Contract, including General and Supplementary Conditions and Division 1 Specification Sections, apply to this section.
1. See Section 31 00 01 “Playing Field Earthwork” for grading operations.
 2. See Section 33 41 00 “Storm Utility Drainage Piping” for storm drainage system.

1.2 SUMMARY

- A. Work shall include all labor, materials, and equipment necessary to completely furnish and install the granular base materials under synthetic turf surfacing as indicated on the plans and as herein specified.

1.3 QUALITY ASSURANCE

- A. The contractor or subcontractor performing all aggregate base work shall have a minimum of 10 years of experience in grading sports fields of a similar size and nature and shall have worked on a minimum of 3 successful sports field projects of a similar size and nature.
1. The contractor or employee of the contractor shall be a Certified Field Builder (CFB) as recognized by the American Sports Builders Association.
 - a. Provide statement of qualification to the Architect indicating years of experience, list of similar projects, and references with contact information. The final approval of qualifications shall be at the discretion of the Owner.
- B. Testing and Inspection Service: Employ at contractor’s expense, testing laboratory acceptable to Architect. During aggregate base operations the testing laboratory shall perform testing and inspection services.
1. When work in this section or portions of work are completed, notify the testing laboratory to perform density tests. Do not proceed with additional portions of work until results have been verified.
 2. If, during progress of work, test indicated that compacted materials do not meet specified requirements, remove defective work, replace and retest at no cost to the owner
 3. Ensure compacted fill are tested before proceeding with placement of aggregate sub-base materials.
 4. The following minimum number of compaction and moisture tests, in accordance with appropriate ASTM procedures, shall be made, where directed, in the designated areas:

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DESIGNATED AREA	NUMBER OF TESTS
Prepared Aggregate Base	1 test per 2,000 sq/ft per lift

1.4 SUBMITTALS

- A. Contractor shall provide (5) copies of all testing data, product data any product cut sheets or performance data if applicable.
- B. Contractor shall submit a two-pound sample of each type of stone along with a sieve and permeability analysis test to the Owner and Architect for approval prior to the delivery to the site.
- C. Sample warranty of all applicable materials and products.

1.5 DELIVERY, STORAGE AND PROTECTION

- A. Aggregates shall be delivered to the site in proper trucks as to not segregate product
- B. Aggregates shall be delivered to the site with proper moisture content and must be protected for weather events that will wash the fines in the product.

1.6 WARRANTY

- A. Contractor shall supply a one year warranty for all labor and workmanship of the aggregate base and materials required to install all items within the specification and indicated on the drawings. This warranty shall include the following:
 - 1. Sub-base system shall be free from defects in material and workmanship
 - 2. Sub-base system shall drain without ponding at a minimum rate of 15 inches per hour
 - 3. Sub-base system shall remain usable for its intended use for the warranty period.
 - 4. Must respond to warranty work within 7 days

2. PRODUCTS

2.1 BASE STONE

- A. Granular fill for turf field aggregate **Base Course** shall be crushed limestone and shall be type, size and which will prevent capillary action and must conform to the following requirements.
 - 1. 95-100% passing the 1" sieve
 - 2. 85-100% passing the 3/4" sieve
 - 3. 75-85% passing the 1/2" sieve
 - 4. 50-75% passing the 3/8" sieve
 - 5. 10-50% passing the #4 sieve
 - 6. 2-10% passing the #8 sieve

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7. 0-10% passing the #10 sieve
8. 0-10% passing the #16 sieve
9. 0-10% passing the #30 sieve
10. 0-10% passing the #40 sieve
11. 0-10% passing the #50 sieve
12. 0-6% passing the #100 sieve
13. Less than 5% passing the #200 sieve

- B. Depth of stone as indicated on drawings

2.2 TOP FINISHING STONE

- A. Granular fill for turf field aggregate **Top Finishing Stone** shall be crushed limestone and shall be type, size and which will prevent capillary action and must conform to the following requirements.

1. 100% passing the 1/2" sieve
2. 85-100% passing the 3/8" sieve
3. 50-60% passing the #4 sieve
4. 5-10% passing the #8 sieve
5. 5-50% passing the #10 sieve
6. 0-5% passing the #16 sieve
7. 0-5% passing the #30 sieve
8. 0-5% passing the #40 sieve
9. 0-5% passing the #50 sieve
10. 0-2% passing the #100 sieve
11. 0-2% passing the #200 sieve

- B. Depth of stone as indicated on drawings

2.3 GEOTEXTILE FABRIC

- A. The subgrade shall be covered in its entirety with a woven geotextile fabric.
- B. Manufacturer: Tencate Mirafi or approved equal during bidding period by addendum
1. Type: 500x Woven Geotextile

2.4 TURF NAILER BOARD

- A. Nailer shall be a treated lumber as indicated on drawings

2.5 CONCRETE

- B. General: Cast-in-place concrete according to ACI 318, **ACI 350/350R**, and the following:

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1. Cement: ASTM C 150, Type II.
2. Fine Aggregate: ASTM C 33, sand.
3. Coarse Aggregate: ASTM C 33, crushed gravel.
4. Water: Potable.

C. Portland Cement Design Mix: **4000 psi** minimum, with 0.45 maximum water/cementitious materials ratio.

1. Reinforcing Fabric: ASTM A 185/A 185M, steel, welded wire fabric, plain.
2. Reinforcing Bars: ASTM A 615/A 615M, Grade 60 (420 MPa) deformed steel.

3. EXECUTION

3.1 GENERAL

- A. Excavation and grading shall be performed in conformance with the grades and cross-sections indicated on the drawings.

3.2 CONCRETE CURBING

- A. Concrete curbing for synthetic turf shall be a 6"x12" concrete curb. Finish shall be a medium broom with ½" radius corners with appropriate control and construction joints.
- B. Refer to drawings for reinforcement.

3.3 TURF NAILER

- A. After installation of the concrete curbing the contractor shall install the nailer, prior to final placement of the finish stone rock.
- B. Nailer shall be anchored with an approved concrete wedge anchor or screw. Anchor shall be installed at each end and every 2'-0"
- C. Nailer shall be installed to an approved dimension below grade, as specified by the synthetic turf supplier. Contractor shall verify finish grade of nailer with turf contractor.
- D. Any anchors that do not fully drive into concrete shall be removed and new anchors installed adjacent on either side of the previous anchor that failed to install fully.

3.4 SUBSURFACE DRAINAGE PIPING

- A. All pipes shall be installed per slopes and grades shown on plans.

3.5 GEOTEXTLE FABRIC

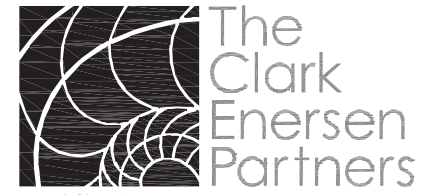
TCEP No.: 106-027-13

- A. The Geotextile fabric shall be laid smooth without wrinkles or folds on the prepared subgrade in the direction of construction traffic. Adjacent Geotextile rolls shall be overlapped. Overlaps shall be in the direction as shown on the plans and in accordance with the manufacturer's requirements.

3.6 PERMEABLE BASE AND TOP STONE

- A. Check subgrade for conformity with elevations and sections immediately before placing aggregate base material.
- B. Granular base material shall be uniformly moist prior to, and during compaction.
- C. Place granular base material in compacted layers not more than 3 in. thick.
- D. Spread, shape and compact all granular base material deposited on the subgrade during the same day. Do not drive trucks (empty or full) over prepared subgrade. Back the trucks into the site to unload granular base materials. Each layer of materials shall be uniformly spread and not moved more than 10' from location of import to site.
- E. Compact base material to not less than 95% of maximum density; ASTM D698. Provide certification by a licensed engineer that the subgrade meets this density requirement prior to placement of top finishing stone.
- F. Top finishing stone for the synthetic turf shall be compacted to 95% of maximum density; ASTM D698. Provide certification by a licensed engineer that the subgrade meets this density requirement prior to placement of top finishing stone
- G. The planarity tolerance for **BOTH** rock layers shall be plus or minus 1/4" in 10 feet. Both the Architect and the synthetic turf contractor must approve the rock base for both planarity and stability. A survey shall be conducted by the contractor to verify planarity. Density test as well as visual inspection will be used to verify stability of the base. Provide test results to the Architect for both density and planarity.

END OF SECTION 32 11 16

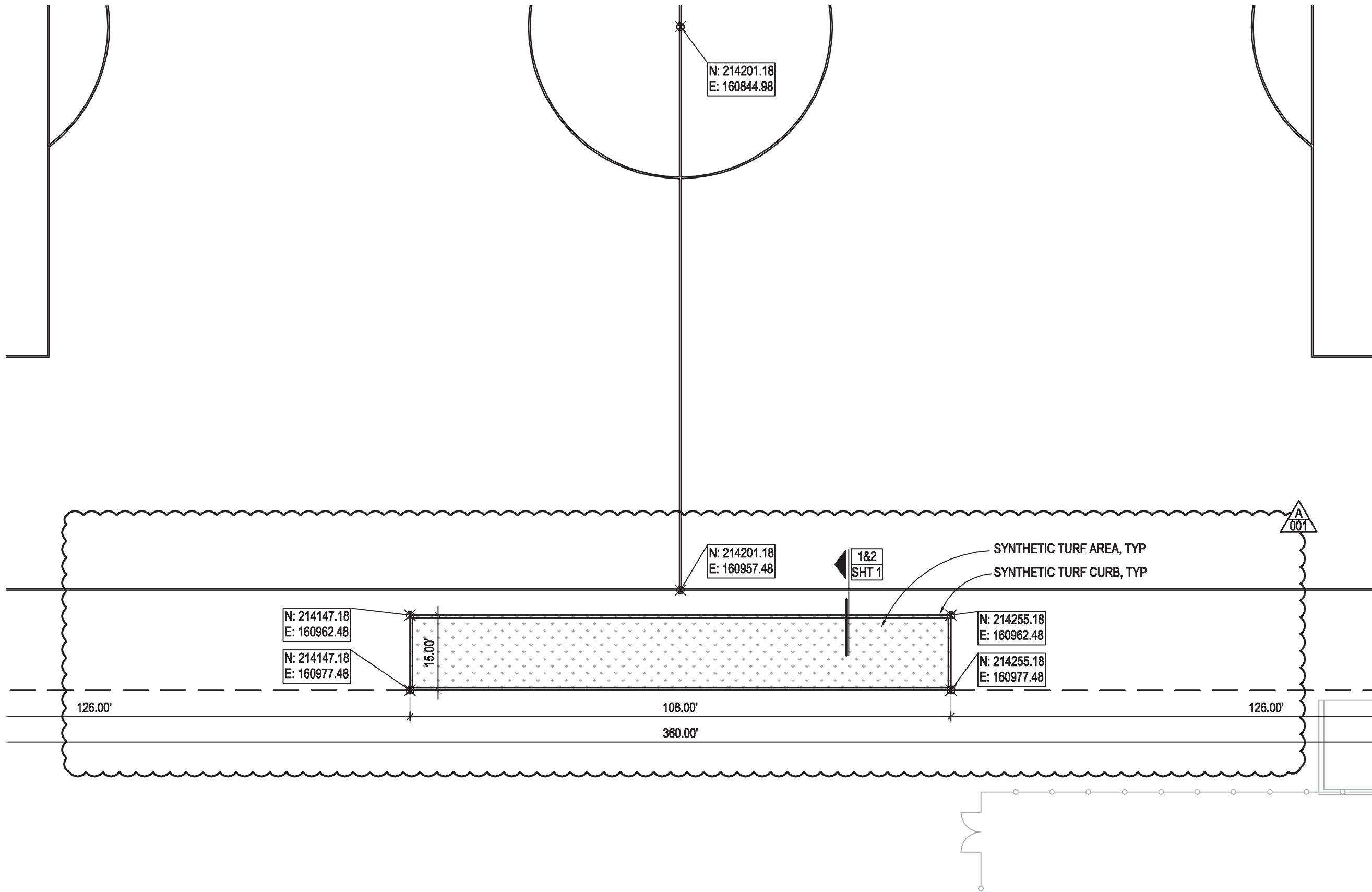


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University of Nebraska - Lincoln
TCEP No.: 106-027-13
UNL Project No: C909P101

Addendum #01
Supplemental Drawing: SDL-001
Revision of Sheet: 1
Date: November 15, 2013



REVISED LAYOUT PLAN

SCALE: 1"=20'-0"

A
001

ROOTZONE GROWING MEDIUM,
REF DETAIL 5 ON SHEET 5

SYNTHETIC TURF WITH INFILL,
INSTALLATION BY OTHERS, TYP

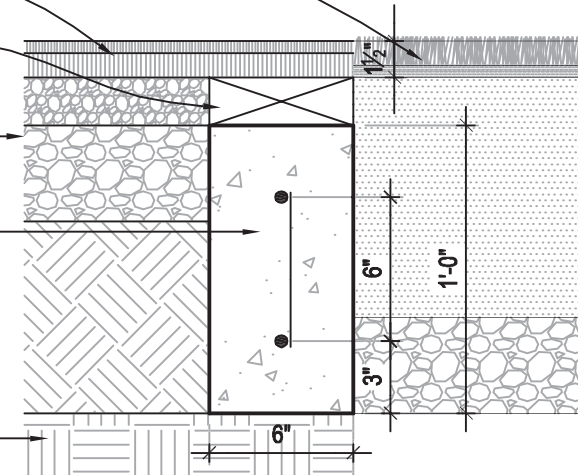
2x6 TREATED WOOD NAILER BOARD,
FASTEN TO CONCRETE, TYP

REF DETAIL THIS SHEET FOR
BEDDING MATERIAL, TYP

6"x12" CONC CURB W/ #4 BAR TOP
AND BTM, SPACE AT 18" O.C., TYP

PROVIDE VERT BARS AS REQUIRED
TO TIE HORZ INTO PLACE, MAINTAIN
MIN COVERS AS REQUIRED, TYP

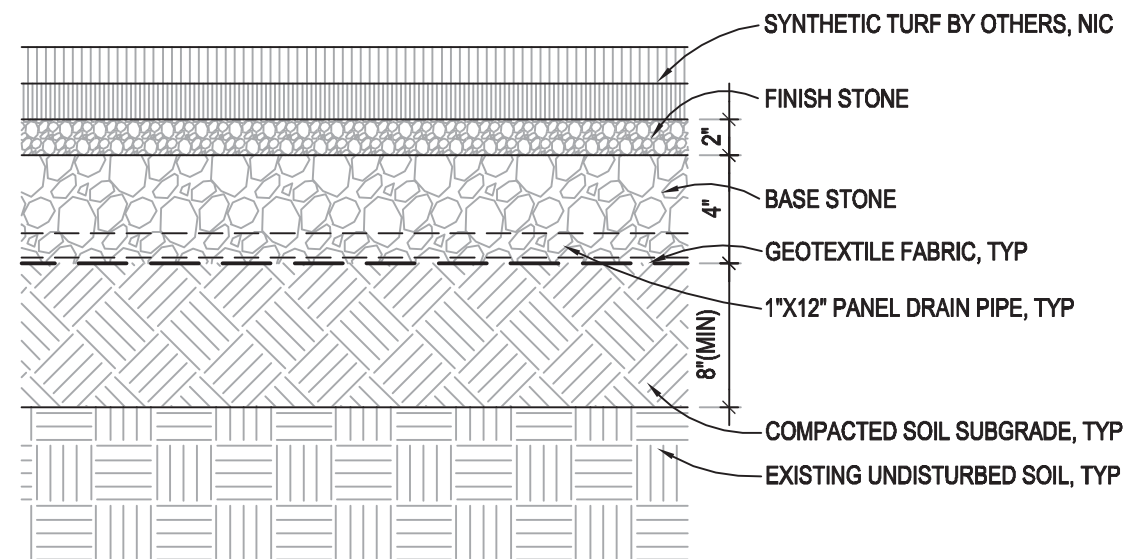
EXISTING GRADE, TYP



1

SYNTHETIC CURB DETAIL

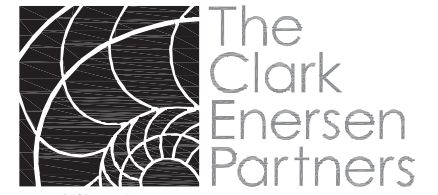
SCALE: 1 1/2"=1'-0"



2

SYNTHETIC TURF SECTION

SCALE: 1 1/2"=1'-0"

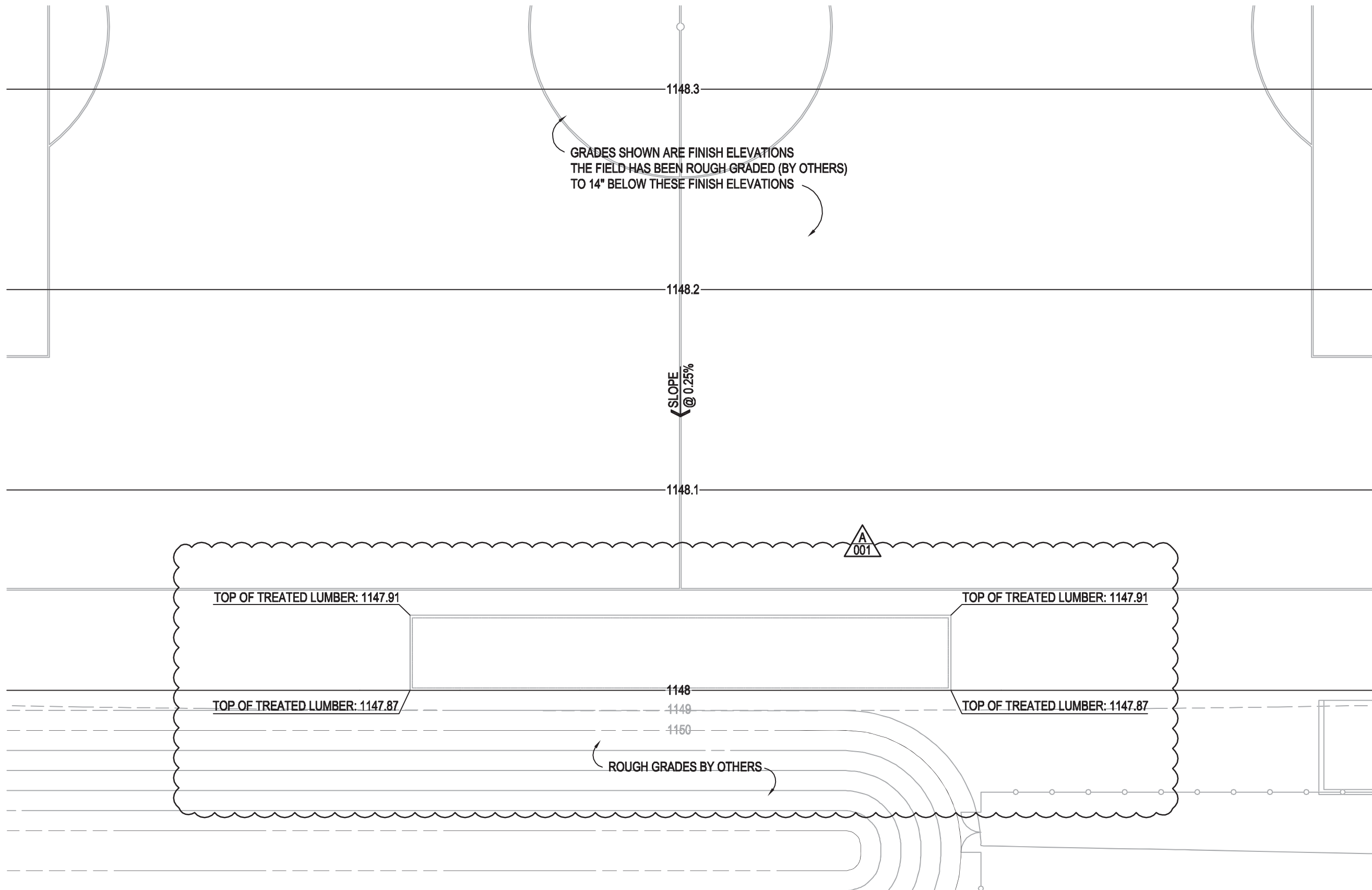


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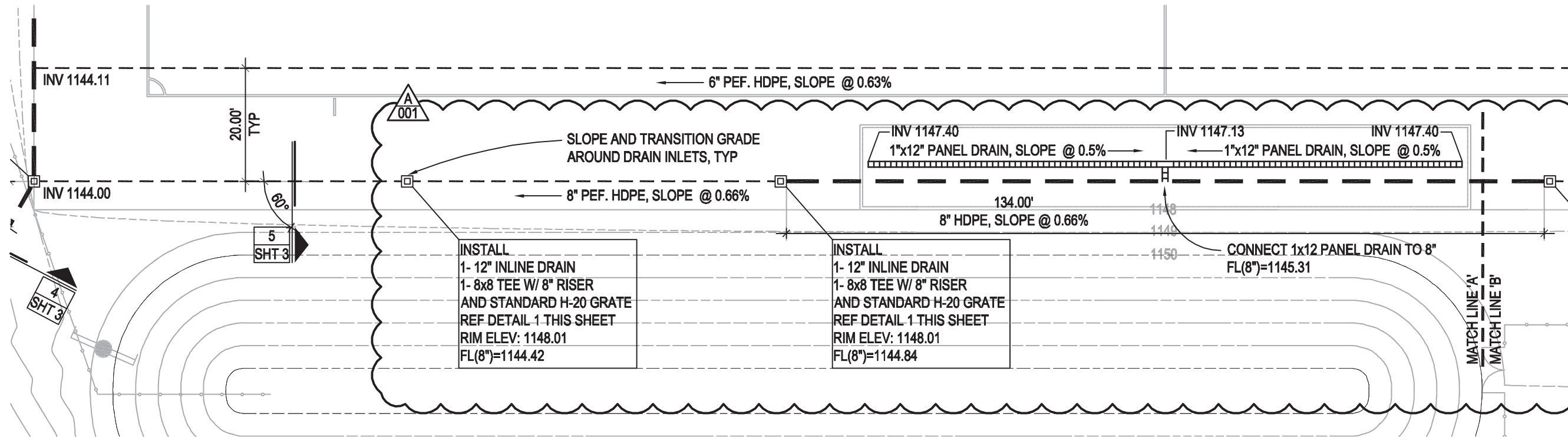
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Complex - Soccer Field
University of Nebraska - Lincoln
TCEP No.: 106-024-13
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Addendum #01
Supplemental Drawing: SDL-003
Revision of Sheet: 2
Date: November 15, 2013



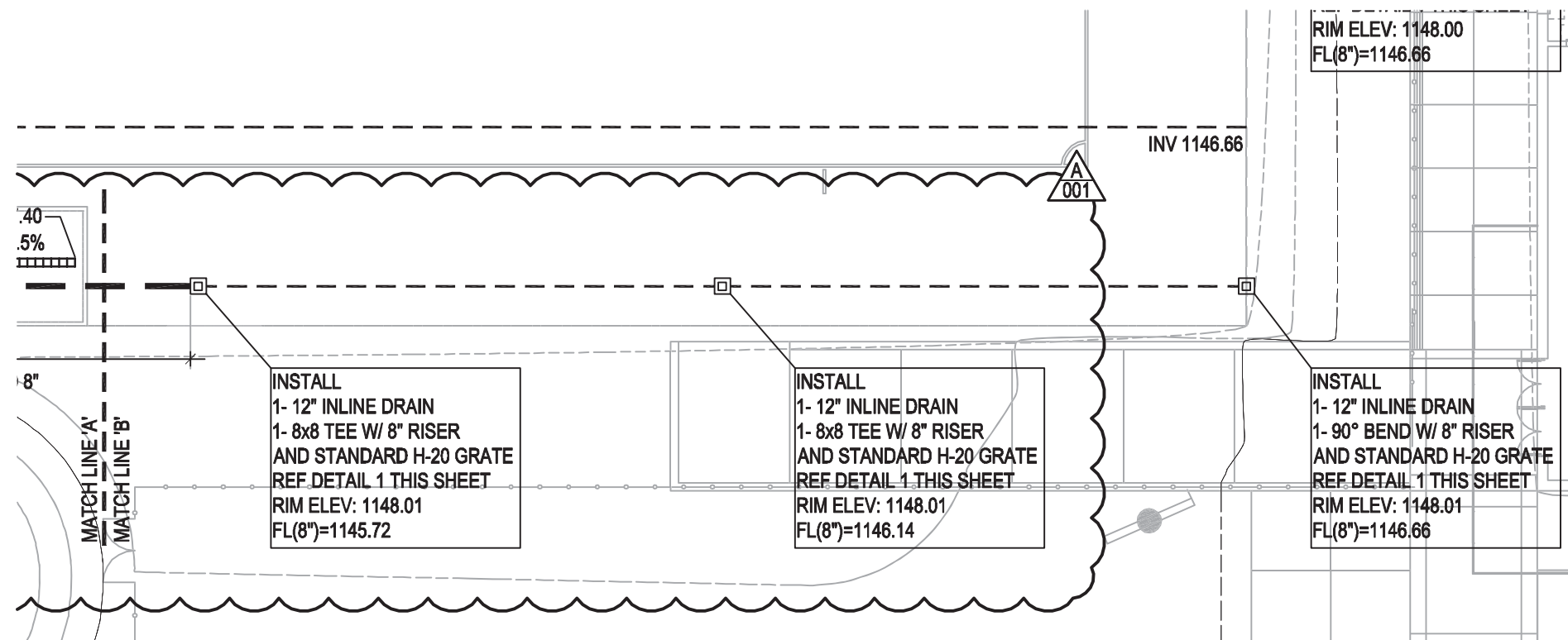
REVISED GRADING PLAN

SCALE: 1"=20'-0"



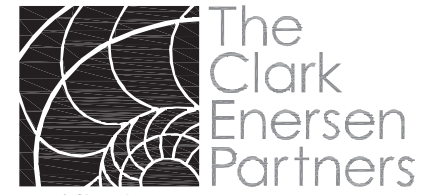
REVISED DRAINAGE PLAN

SCALE: 1"=20'-0"



REVISED DRAINAGE PLAN

SCALE: 1"=20'-0"

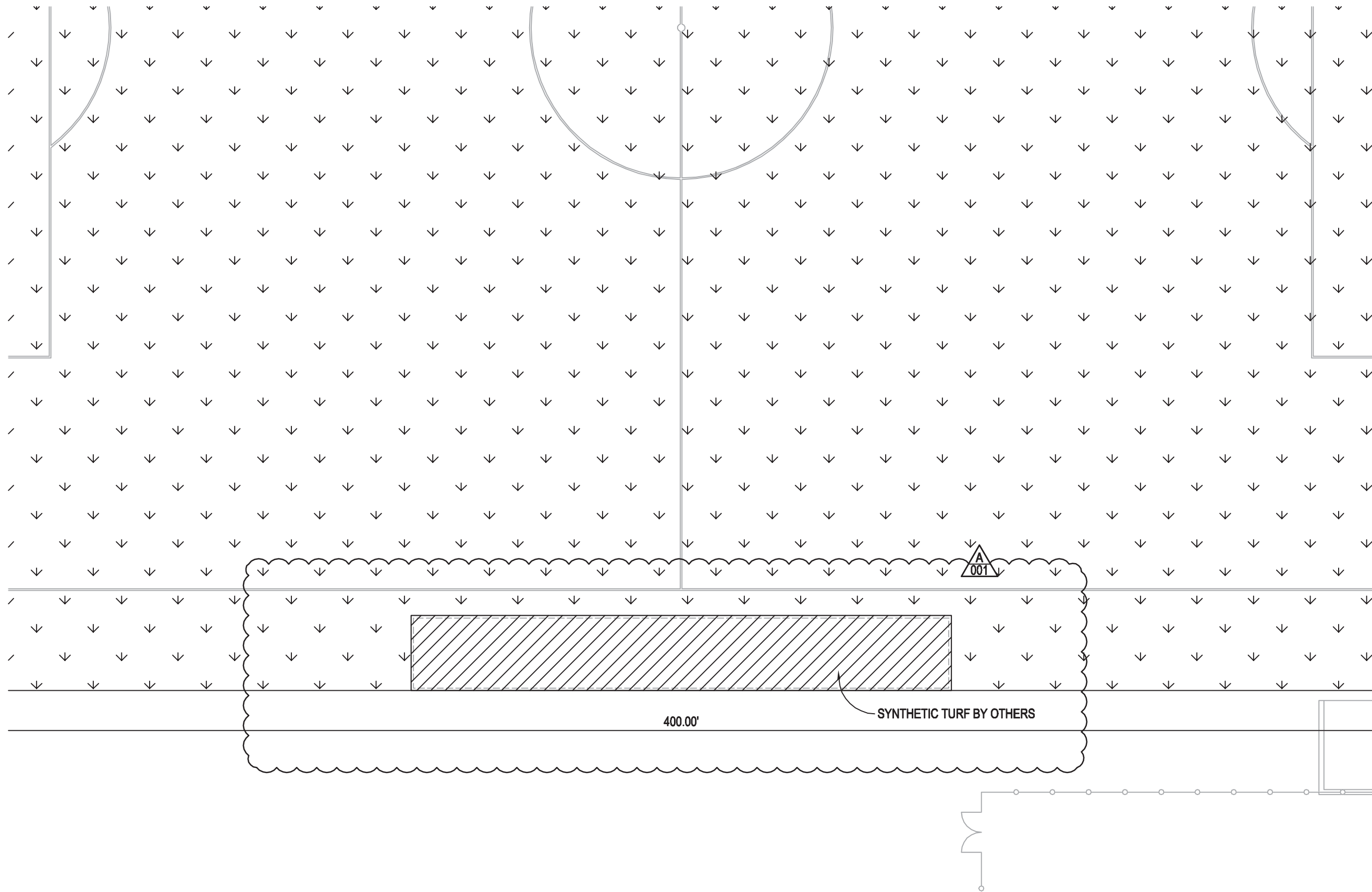


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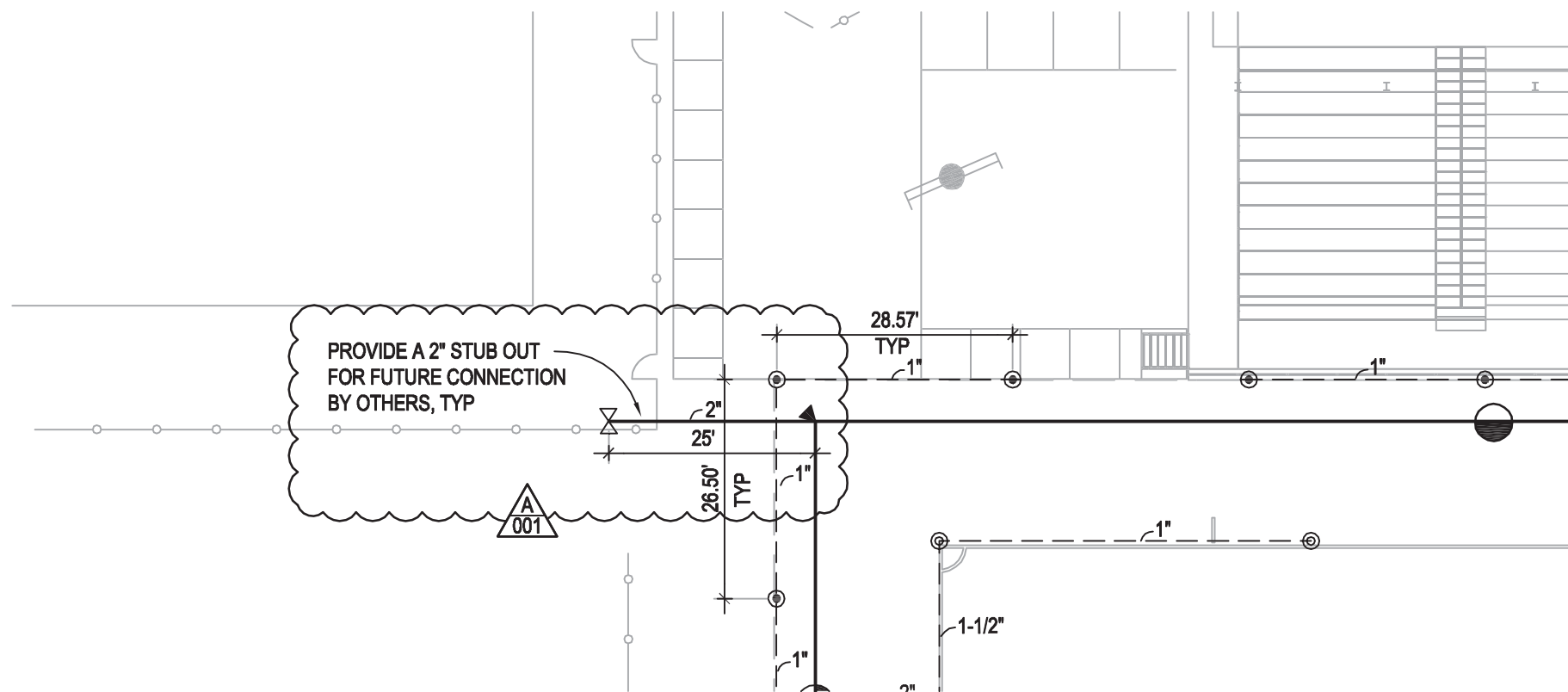
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TCEP No.: 106-024-13
UNL Project No: C909P101

Addendum #01
Supplemental Drawing: SDL-005
Revision of Sheet: 4
Date: November 15, 2013



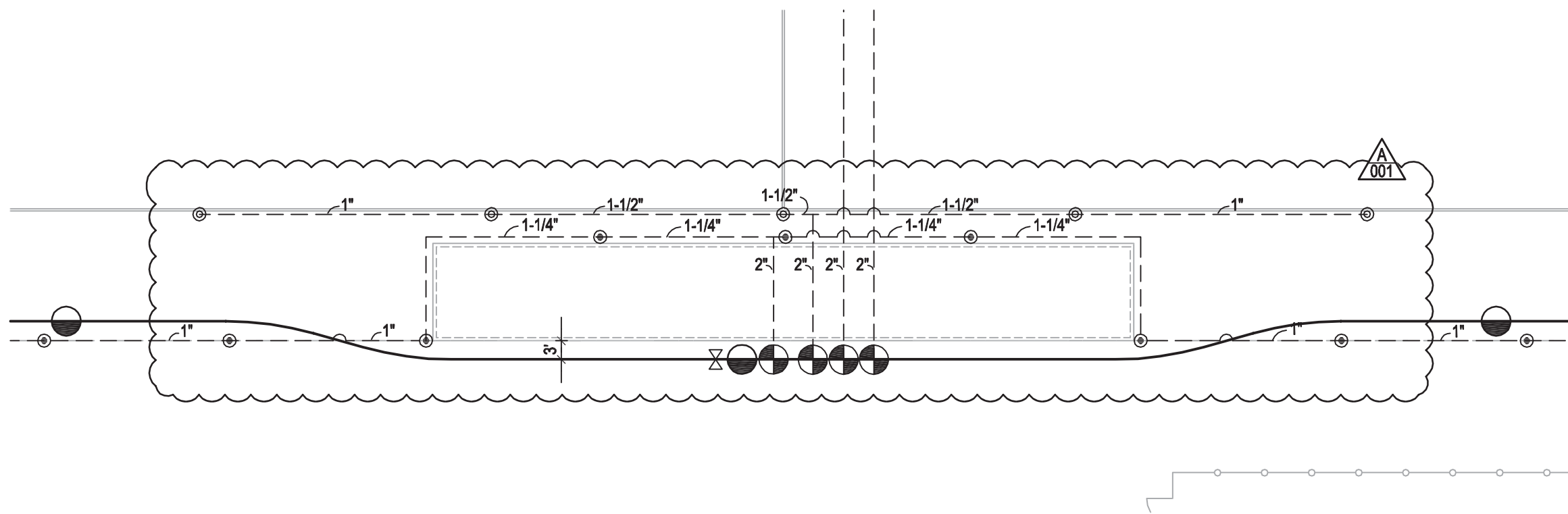
REVISED PLANTING PLAN

SCALE: 1"=20'-0"



REVISED IRRIGATION PLAN

SCALE: 1"=20'-0"



REVISED IRRIGATION PLAN

SCALE: 1"=20'-0"

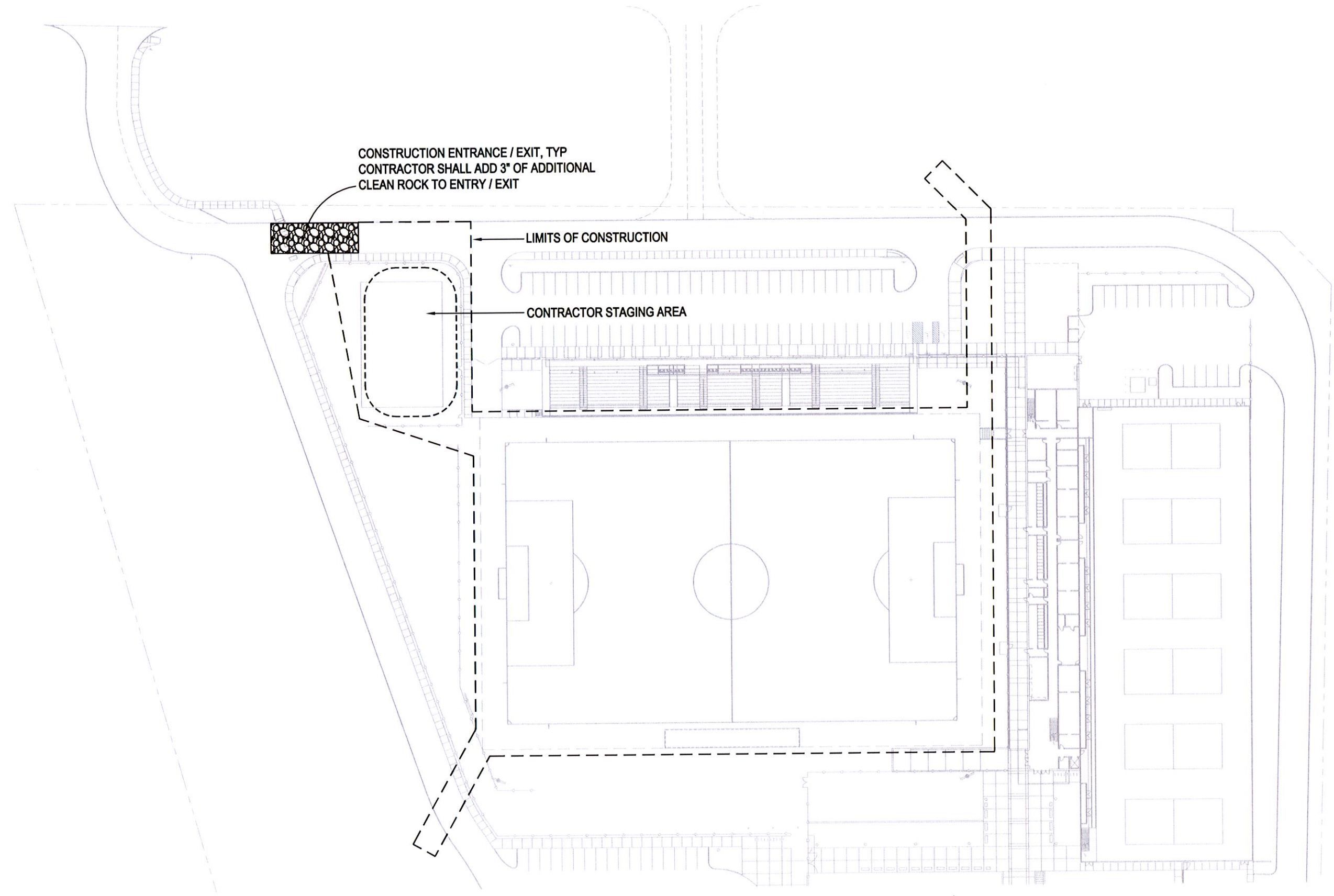


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TCEP No.: 106-024-13
UNL Project No: C909P101



SITE STAGING PLAN

SCALE: 1"=80'-0"

Addendum #01
Supplemental Drawing: SDL-007
Revision of Sheet: 0
Date: November 15, 2013