

## Addendum #1

**Project Name:** NDOR Maintenance Facility  
Chadron, NE  
**SHA Project No.:** 15068  
**NDOR Project No.:** AFE K-503 (Building No. 52501)  
**Issued:** December 19, 2016

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This Addendum is issued by the Nebraska Department of Roads (NDOR) to all known bidders working on the preparation of proposals associated with the Bid Documents dated November 23, 2016. This Addendum is to authorize the use of the following information in preparing proposals 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 QUESTIONS AND CLARIFICATIONS

#### **ADD 1-1:** Pre-Manufactured Metal Building

**Question:** Is there a minimum collateral load requirement we need to consider for the metal building and mezzanine?

**Response:** For the metal building, 5 psf roof collateral load as well as all point loads from fire sprinkler piping, final fire sprinkler support locations and weights to be coordinated during the shop drawing phase. No collateral loading needs to be considered for the mezzanine as that has been designed by the Engineer of Record and is not the responsibility of the metal building manufacturer.

#### **ADD 1-2** Pre-Manufactured Metal Building

**Question:** Does not having IAS accreditation disqualify a manufacturer from being considered for pre-approval?

**Response:** No. However, for those not having IAS certification, each perspective manufacturer will be required to have a comparable quality control program (as deemed by NDOR, Architect and Engineer of Record) in place. The Architect must receive full details of the manufacturer's quality control program no later than 72 hours prior to bid opening for consideration.

#### **ADD 1-3** Pre-Manufactured Metal Building

**Question:** Who is responsible for the structural design of the mezzanine?

**Response:** The Engineer of Record is responsible for the structural design of the mezzanine structure. Design of the pre-manufactured metal building is delegated to the metal building manufacturer.

**ADD 1-4** Pre-Manufactured Metal Building

**Question:** Is the metal decking at the mezzanine to be galvanized or painted?

**Response:** The metal floor decking at the mezzanine is required to be (factory) galvanized as noted in the construction drawings. The underside of the metal deck is scheduled/identified to receive a field applied paint finish.

**ADD 1-5** Pre-Manufactured Metal Building

**Question:** Section 133419, Article 1.6, paragraph B.2.a calls for a provision to attach pipe racks. Is there a detail of how the racks need to be attached to the building? What load will be transferred to the building structure?

**Response:** There are no "design" details provided for how pipe racks are to attach to the metal building structure as this information is to be coordinated amongst the various trades. Design of the metal building is delegated to the metal building manufacturer and as such, the designer/fabricator is responsible for design, coordination, and supply of this work. Per section 133419, the pre-manufactured metal building designer/fabricator shall confirm routing and support locations with the fire sprinkler contractor and shall make the appropriate accommodations to the metal building design to support the full load of the (filled) fire sprinkler piping from the metal building structure.

**ADD 1-6** Pre-Manufactured Metal Building

**Question:** Are the OH door header and jambs required to be structural cees instead of cold rolled cees?

**Response:** Design of the premanufactured metal building is delegated to the metal building manufacturer and as such, the designer/fabricator is responsible for determining the type of cees to be used at the OH door openings. That said, we assume structural cees would be more appropriate at these locations.

**ADD 1-7** Pre-Manufactured Metal Building

**Question:** Are the metal roof panels to have a factory applied paint finish or a galvalume finish?

**Response:** The metal roof panels are to receive a factory applied acrylic coated galvalume finish in accordance with ASTM A792.

**ADD 1-8** Door Hardware

**Question:** Who will be providing and installing the primus cylinders?

**Response:** The primus cylinders indicated in several of the hardware sets will be purchased by NDOR (outside of the Owner/Contractor Agreement) and installed by NDOR post substantial completion. NDOR will also provide the permanent keys for the primus cylinders. The Contractor shall remain responsible for providing the construction cylinders (and the associated construction keys) used temporarily during the construction phase.

**ADD 1-9** Existing Site Conditions

**Question:** Was the site stripped prior to installation of the asphalt millings?

**Response:** We understand the site was stripped prior to NDOR installing the asphalt millings. NDOR advises all sod was removed, but top soil may still be present below the asphalt millings.

**ADD 1-10** Existing Site Conditions

**Question:** What is the depth of the existing asphalt millings?

**Response:** NDOR advises the contractor should expect to encounter an asphalt milling depth of roughly 12" +/- across the site.

**ADD 1-11** Existing Site Conditions

**Question:** In fill areas, are new asphalt millings to be placed on top of existing asphalt millings to achieve final proposed grades?

**Response:** Yes. In proposed fill areas, Contractor shall add asphalt millings on top of the existing asphalt millings to achieve the final proposed grades.

**ADD 1-12** Existing Site Conditions

**Question:** In cut areas, are existing asphalt millings to be removed and the grade lowered before (re)installing the asphalt millings to a 12" depth?

**Response:** Yes. In proposed cut areas, Contractor shall remove millings and soil as needed to ensure 12" asphalt milling depth from proposed final grades.

**ADD 1-13** SWPP Permit

**Question:** Who is responsible for obtaining the SWPPP permit?

**Response:** NDOR advises a SWPPP permit will not be required for this project. The Contractor will still be required to follow erosion control measures noted on Sheet C105 – however a formal SWPPP Permit through NDEQ will not be required to be obtained.

**ADD 1-14** Soil Preparations

**Question:** What compaction requirements should be followed; the percentages listed in section 312000, Article 3.2, paragraph D or the percentages listed in the Geo Technical Report?

**Response:** The compaction requirements listed in section 312000 are to be used.

**ADD 1-15** Soil Preparations

**Question:** What material should be used for the 1.5 feet of fill beneath the first six inches of granular fill under the floor slabs?

**Response:** The 1.5 feet of fill beneath the 6" granular fill, which consists of 5 ½" compacted limestone base with ½" sand choker layer (refer to structural drawings), shall be engineered fill as specified in the geotechnical report.

**ADD 1-16** Soil Preparations

**Question:** What material should be used for the two feet of fill beneath the footings?

**Response:** Per the geotechnical report, two feet of engineered fill material shall be used. Note the geotechnical report does not require a layer of six inches of granular fill directly beneath the footing as is the situation at the floor slab conditions.

**ADD 1-17** Detached Storage Building

**Question:** What is the floor thickness for the detached storage building?

**Response:** Refer to Foundation Plan - A15/S101 for the information request.

**ADD 1-18** Detached Storage Building

**Question:** Is Detached Storage Building 001 to be insulated or not?

**Response:** Detached Storage Building 001 is not required to be insulated.

**ADD 1-19** Communication Horizontal Cabling

**Question:** Will the requirements for BICSI Level 2 and RCDD certification be waived (Section 271500, Article 1.7.A)?

**Response:** No. Installers shall meet the minimum qualification requirements listed in Section 271500.

**MODIFICATIONS TO THE SPECIFICATIONS**

**ADD 1-20.** Refer to Section 001000 – NOTICE TO BIDDERS.

1. Change the bid date to read, "3:30 PM, local time on Thursday, December 22, 2016" in lieu of "2015".

**ADD 1-21.** Refer to Section 007200 – GENERAL CONDITIONS, Article 9 – Materials – Testing and Standards:

1. Change this paragraph to read, "Samples of materials selected to be tested must be furnished by the Contractor. Tests will be made per Section 014000 – Quality Requirements, Article 1.07 - Testing and Inspection Agencies or per the requirements specified in individual specification sections, whichever is more restrictive. Where not otherwise specified, all materials shall meet the American

Standards for Testing of Materials (A.S.T.M) Standard or tentative specifications for that material. The Contractor, when requested, shall furnish a sample of all material which shall be kept on the job site as basis for comparison of material incorporated in the Work. The Contractor shall inspect all materials delivered to the premises and shall reject any materials that will not conform to the Contract Documents when properly installed.”

**ADD 1-22.** Refer to Section 004323 – ALTERNATES, Article 1.04, paragraph A:

1. Change the phrase reading ‘6” asphalt paving’ to read ‘7” asphalt paving’.

**ADD 1-23.** Refer to Section 033000 – CAST-IN-PLACE CONCRETE, Article 1.5, paragraph B:

1. Delete paragraph reading, “Sustainable Design Submittals” entirely.

**ADD 1-24.** Refer to Section 133419, Article 2.6, paragraph B – Interior Metal Liner Panels. Change paragraph to read:

1. Interior Metal Liner Panels: Formed with raised, trapezoidal major ribs and intermediate stiffening ribs symmetrically spaced between major ribs; designed to be installed by lapping side edges of adjacent panels and mechanically attaching panels to supports using exposed fasteners in side laps.

#### **MODIFICATIONS TO THE DRAWINGS**

**ADD 1-25** Refer to sheet E1/S200 – General Notes, Paragraph 1.B.4.A – Occupancy Category:

1. Change the Class to read “Class II” in lieu of “Class I”

**ADD 1-26** Refer to sheet C100:

1. Replace sheet C100 which attached sheet C100 dated 12/16/16

**ADD 1-27** Refer to sheet C103:

1. Replace sheet C103 which attached sheet C103 dated 12/16/16

#### **CIVIL PRIOR APPROVALS/SUBSTITUTION REQUESTS -- APPROVED**

**ADD 1-28** Subject to compliance with the requirements in the Project Documents and shop drawing review, the following substitutions have received pre-approval for bidding purposes:

- a. Erosion Control Blankets: Western Excelsior – Excel CC-4 All Natural Erosion Control Blanket

#### **ARCHITECTURAL PRIOR APPROVALS/SUBSTITUTION REQUESTS -- APPROVED**

**ADD 1-29** Subject to compliance with the requirements in the Project Documents and shop drawing review, the following substitutions have received pre-approval for bidding purposes:

- a. Metal Building System Manufacturers (133419): Nucor Building Systems; B&C Steel; American Building Company

NDOR Maintenance Facility - Chadron, NE

- |                                      |   |
|--------------------------------------|---|
| b. Liquid Floor Treatments (033000): | W.R. Meadows Liqui-Hard Ultra Concrete Densifier & Hardener |
| c. Snow Retention system (133419)    | Sno Gem iClad-S Snow Retention System                       |
| d. Uninsulated OH Doors (083613)     | Overhead Door 416   |
| e. Insulated OH Doors (083613)       | Overhead Door<br>Thermacore 596; Clopay model 3722          |

**ARCHITECTURAL PRIOR APPROVAL/SUBSTITUTION REQUESTS -- UNAPPROVED**

**ADD 1-30** The following substitutions have NOT been approved for use on this Project:

- |                                  |   |
|----------------------------------|---|
| a. Plastic Paneling (066400)     | NuDo Utilite Interlocking Liner Panels  |
| b. Uninsulated OH Doors (083613) | Clopay Industrial Series 520  |
| c. Insulated OH Doors (083613)   | Clopay Energy Series 3730;<br>Wayne Dalton ThermoMark 530;<br>Wayne Dalton Thermospan 200 |

**MECHANICAL PRIOR APPROVAL/SUBSTITUTION REQUESTS -- APPROVED**

**ADD 1-31** Subject to compliance with the requirements in the Project Documents and shop drawing review, the following substitutions have received pre-approval for bidding purposes:

- | <u>Equipment List</u>                         | <u>Manufacturer List</u> |
|---|--------------------------|
| a. Gas Fired Radiant Heaters (235523)         | Ambirad                  |
| b. Vehicle Exhaust System (M701 – Schedule E) | Monoxivent; Carmon       |
| c. Louvers (M701 - Schedule B)                | Arrow                    |
| d. Range Hood (M701 - Schedule H)             | Greenheck                |

**Attachments:**

- Pre-Bid Meeting Sign in sheet
- Revised sheet C100
- Revised Sheet C103

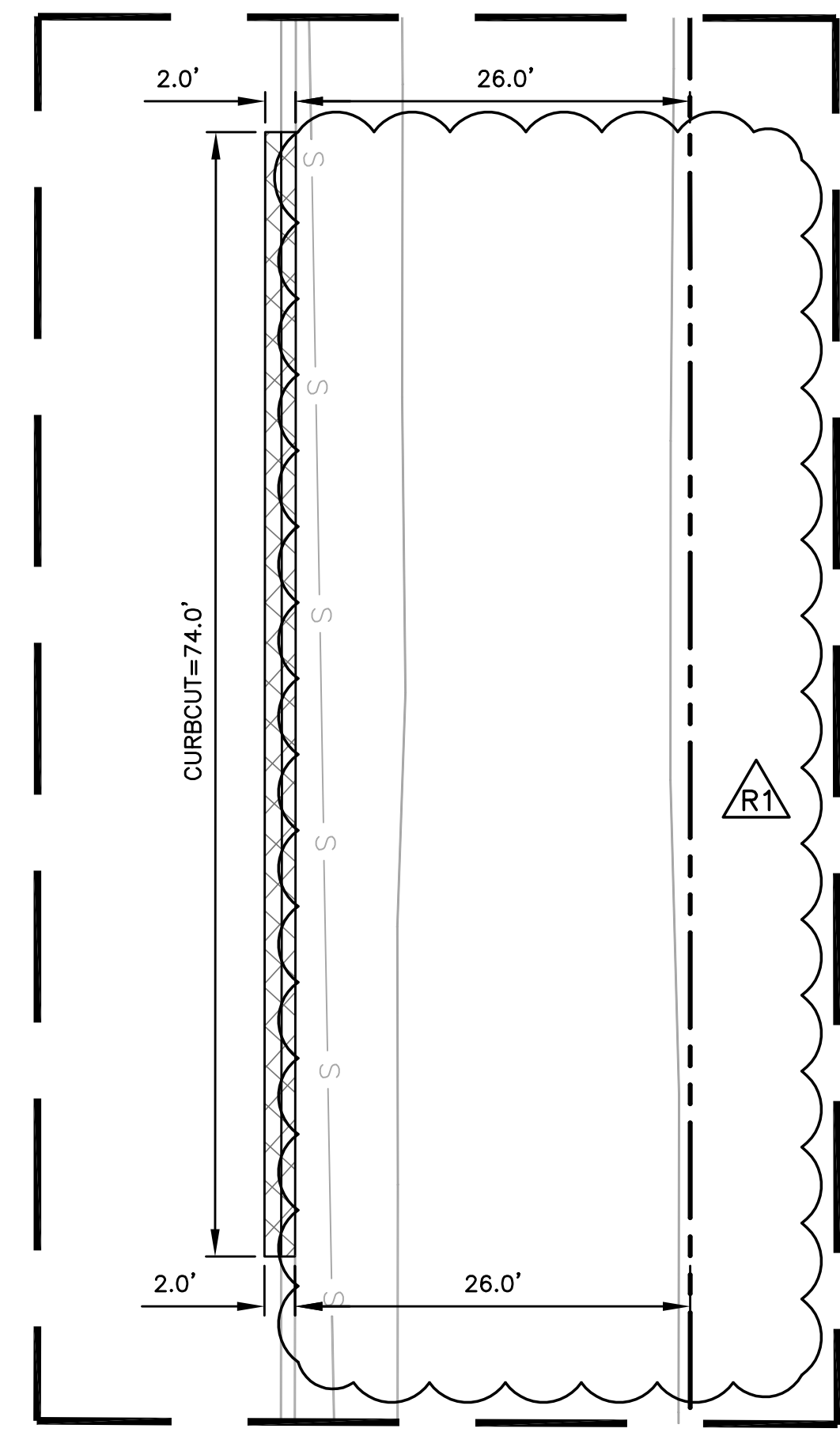
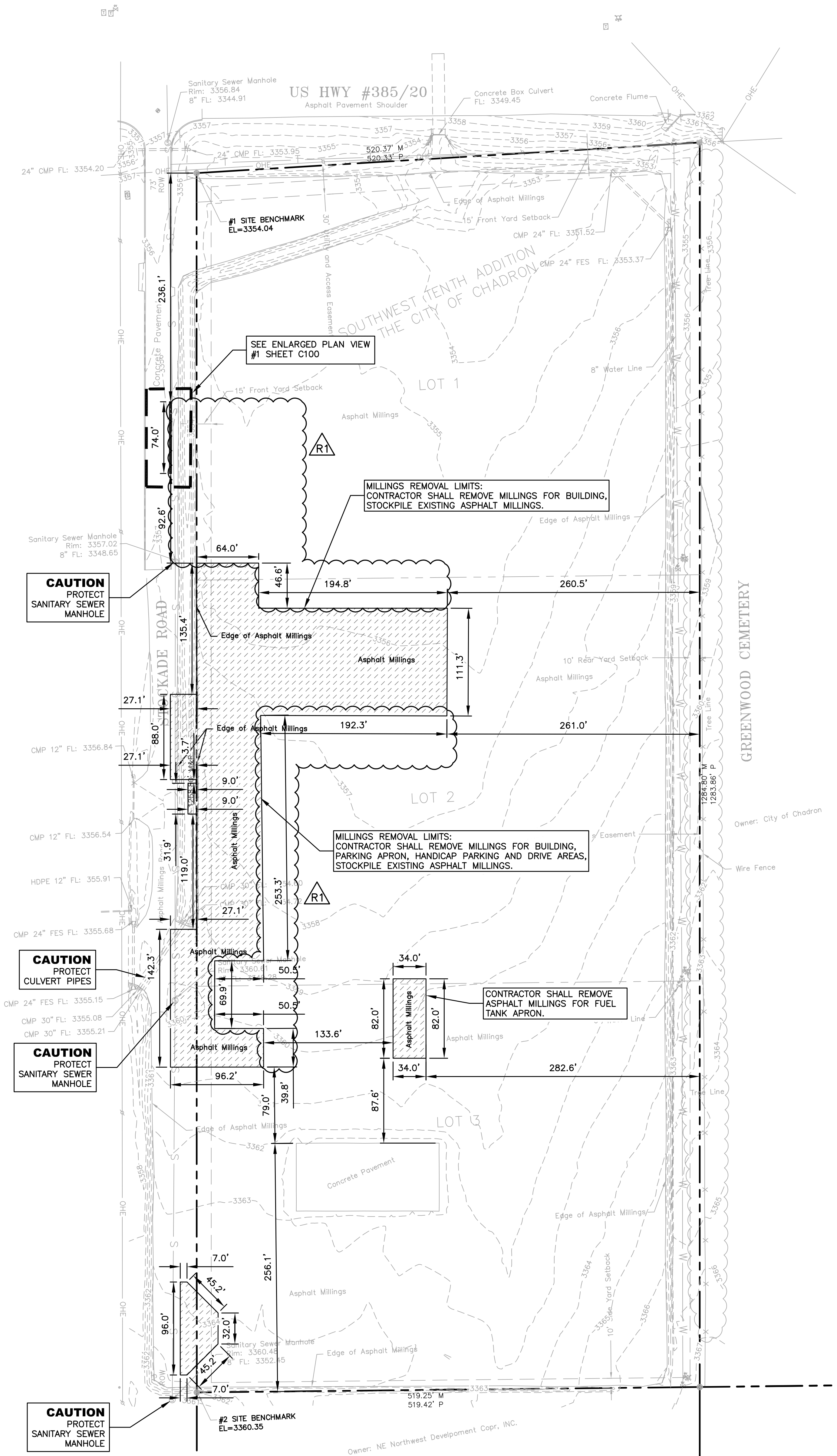
**End of Addendum #1**

**SIGN-IN SHEET**

Chadron NDOR Maintenance Facility  
 AFE K-503  
 13 December 2016  
 10:00 AM Local Time

	Name:	Company/Firm/Agency:	Phone Number:	E-Mail Address:
1.	Ron Rehtus	NDOR – CAP FAC	402.479.4498	ron.rehtus@nebraska.gov
2.	Joshua Cowan	NDOR – CAP FAC	402.479.3746	joshua.cowan@nebraska.gov
3.	Tom Renninger	NDOR – AODM	402.479.4787	tom.renninger@nebraska.gov
4.	Chris Ford	NDOR – Dist. 6 DOMM	308.436.6587	Chris.ford@nebraska.gov
5.	Chuck Bachmann	Sinclair Hille – Project Architect	402.476.7331	cbachmann@SinclairHille.com
6.	Karl Witt	NDOR	308 432-6141	Karl.witt@nebraska.gov
7.	Doug Hoever	DOR	308.436.6587	doug.hoever@nebraska.gov
8.	CHRIS FORD	DOR	308 436-6507	chris.ford@nebraska.gov
9.	Jeff Marks	Paul Reed Construction	308 635 2213	JeffMarks@PaulReedConstruction.com
10.	Garvin Denton	Paul Reed Const.	308-691-1667	garvind@paulreedconstruction.com

- |     |                        |   |                     |  |
|-----|------------------------|---|---------------------|--|
| 11. | <u>Paul Howard</u>     | <u>Paul Howard maint</u>                          | <u>308 432 6141</u> | <u>Paul, Howard @ directors@ndor.gov</u> |
| 12. | <u>Terry Wilson</u>    | <u>NDOR - Construction</u><br><u>Terry Wilson</u> | <u>308 432 6144</u> | <u>terry.wilson@ndor.gov</u>             |
| 13. | <u>Colby Hartman</u>   | <u>NDOR - Construction</u>                        | <u>308-432-6144</u> | <u>Colby.Hartman@ndor.mn.gov</u>         |
| 14. | <u>Lacy Troester</u>   | <u>Fuller Construction</u>                        | <u>308-432-5770</u> | <u>lacy@fullerconstruction.com</u>       |
| 15. | <u>Eric Fuller</u>     | <u>Fuller Const</u>                               | <u>" "</u>          | <u>eric@fullerconstruction.com</u>       |
| 16. | <u>Michael Yarnall</u> | <u>Eric Reichert Insulation &amp; Const</u>       | <u>308-631-1680</u> | <u>myarnall@eric-inc.com</u>             |
| 17. | <u>Mark Chrisman</u>   | <u>Mark Chrisman Tracing, Inc</u>                 | <u>308 631 3476</u> | <u>markchrisman@dentburyvt.com</u>       |
| 18. | <u>Ray Hashman</u>     | <u>RTJ Industries Plus</u>                        | <u>308-762-1274</u> | <u>rayhrijind@msn.com</u>                |
| 19. |                        |   |                     |  |
| 20. |                        |   |                     |  |
| 21. |                        |   |                     |  |
| 22. |                        |   |                     |  |
| 23. |                        |   |                     |  |



**ENLARGED PLAN #1**  
SCALE: 1" = 10'-0"

**DEMOLITION NOTES:**

1. PROTECT ALL SIDEWALKS/PAVEMENT NOT SHOWN FOR REMOVAL. CONTRACTOR SHALL REPAIR ALL DAMAGED SIDEWALK/PAVEMENT AT NO COST TO THE OWNER.
2. PROTECT ALL UTILITIES NOT BEING EFFECTED BY THE DEMOLITION. ANY DAMAGE OR ACCIDENTAL REMOVAL OF UTILITIES SHALL BE REPAIRED AT THE COST OF THE CONTRACTOR.
3. COORDINATION OF ITEMS REMOVED BY OTHERS SHALL BE THE FULL RESPONSIBILITY OF THE CONTRACTOR.
4. THE CONTRACTOR SHALL PROTECT ALL LANDSCAPING AREAS (TREES, IRRIGATION, DECORATIVE BRICK, ETC.) OUTSIDE OF DEMOLITION AREA UNLESS OTHERWISE NOTED. ANY DAMAGE SHALL BE REPLACED AT THE COST OF THE CONTRACTOR.
5. REMOVE PAVEMENT TO THE NEAREST CONTRACTION JOINTS. SAW CUT PAVEMENT FULL DEPTH.
6. THE CONTRACTOR SHALL STOCKPILE MILLINGS REMOVED AT OWNER APPROVED LOCATION.
7. IN PROPOSED CUT AREAS, CONTRACTOR SHALL REMOVE MILLINGS AND SOIL AS NEEDED TO ENSURE 12" ASPHALT MILLINGS DEPTH FROM PROPOSED FINAL GRADES. SEE SHEET C103 FOR FURTHER INFORMATION.

**LEGEND**

- - - - - PROPERTY LINE
- [Hatched Box] MILLING REMOVAL
- [Cross-hatched Box] CURB AND PAVEMENT REMOVAL

Retain the Location Request Number for YOUR Own Protection!



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**REGA**  
ENGINEERING GROUP, INC.

601 OLD CHENEY RD., SUITE A  
LINCOLN, NEBRASKA 68512  
(402) 484-7342

- ENGINEERING
- PLANNING
- LAND SURVEYING

**BENCHMARK**

BENCHMARK #1, 3/4" REBAR NORTHWEST PROPERTY CORNER.  
EL=3354.04'  
BENCHMARK #2, 3/4" REBAR SOUTHWEST PROPERTY CORNER.  
EL=3360.35'

ISSUED FOR:	DATE:	BY:	REVIEW BY:
65% REVIEW SET	09/08/16	MG/NB	NB/DR
95% REVIEW SET	10/25/16	MG/NB	NB/DR
100% CONSTRUCTION SET	11/23/16	MG/NB	NB/DR
ADDENDUM #1	12/16/16	MG/NB	NB/DR

**DEMOLITION PLAN**  
SCALE: 1" = 60'-0"

**PROJECT CONSULTANTS**

**SINCLAIR hille architects**  
700 O St.  
Lincoln, NE 68508  
T: 402.476.7331 F: 402.476.834

**REGA ENGINEERING GROUP, INC.**  
601 OLD CHENEY RD., SUITE A  
LINCOLN, NEBRASKA 68512  
(402) 484-7342

**STRUCTURAL ENGINEER**  
1271 O Street Suite 310  
Lincoln, NE 68508  
402-477-1690

**MECHANICAL/ELECTRICAL ENGINEER**  
601 P Street Suite 200  
Lincoln, NE 68501  
402-44-5311

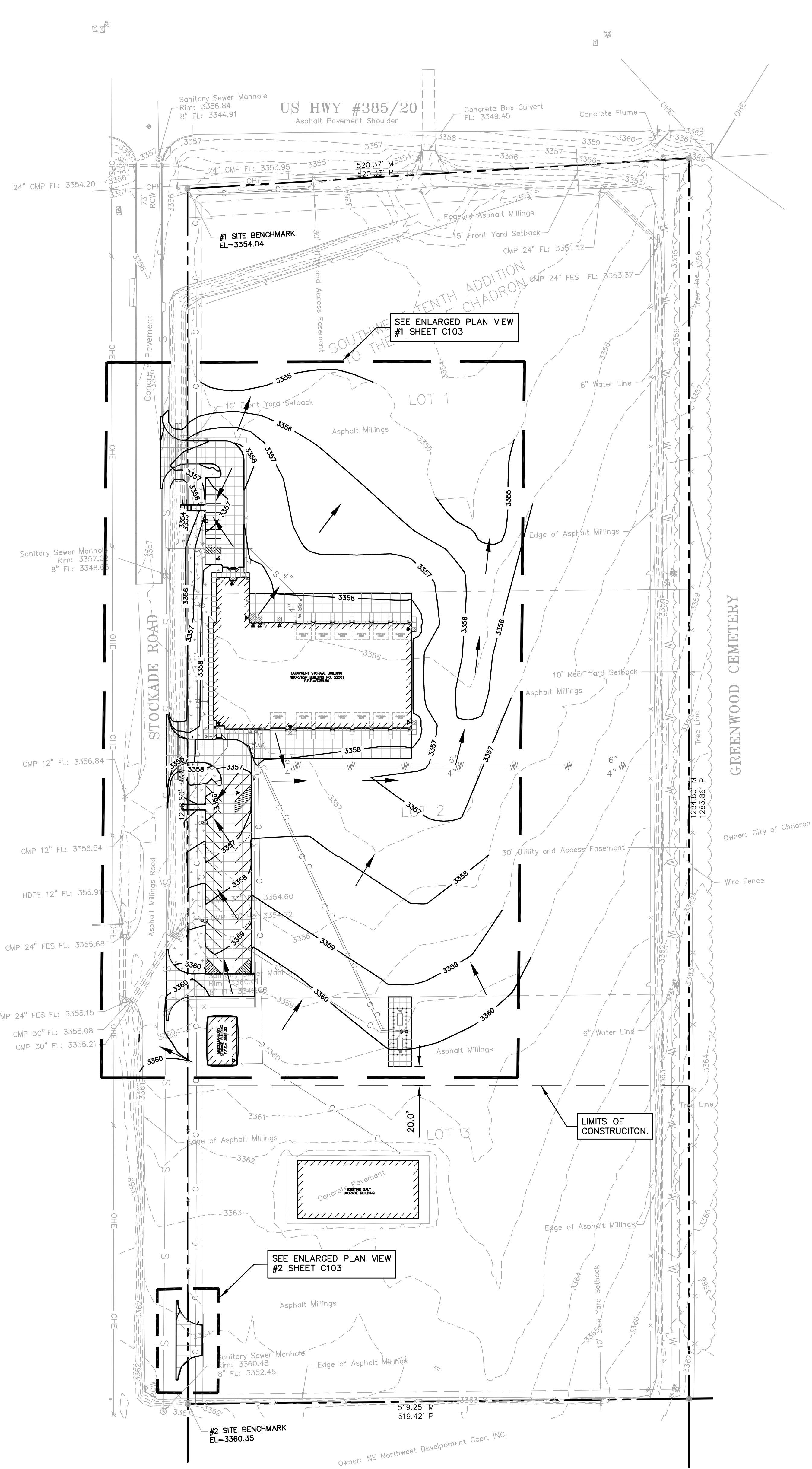
**CIVIL ENGINEER**  
601 Old Cheney Road Suite A  
Lincoln, NE 68512  
402-484-7342

**NDOR Chadron Maintenance Facility**

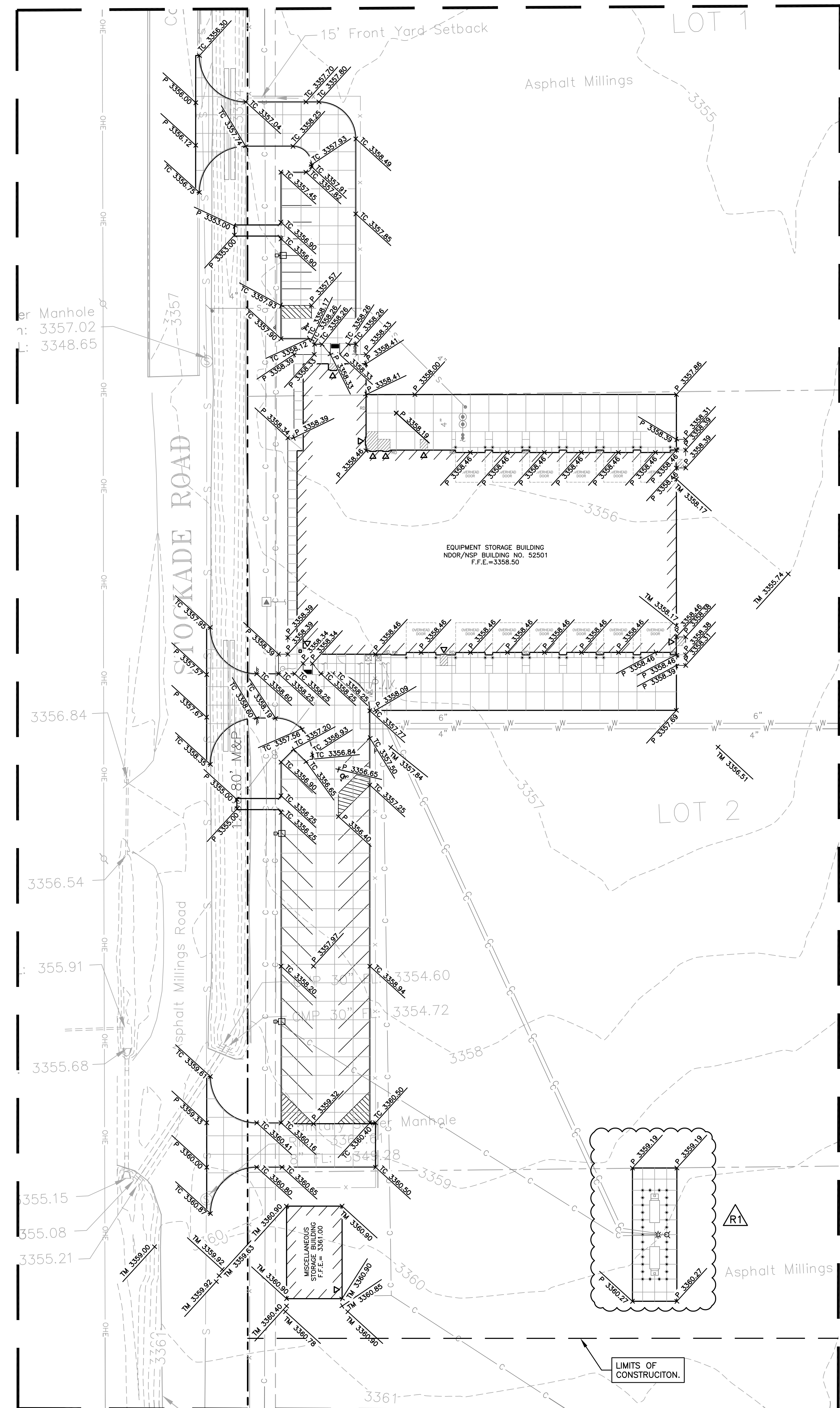
**Demolition Plan**

SHA PROJECT NO: 15068  
NDOR PROJECT NO: 52501  
TARD NO. AFE-6400

**C100**



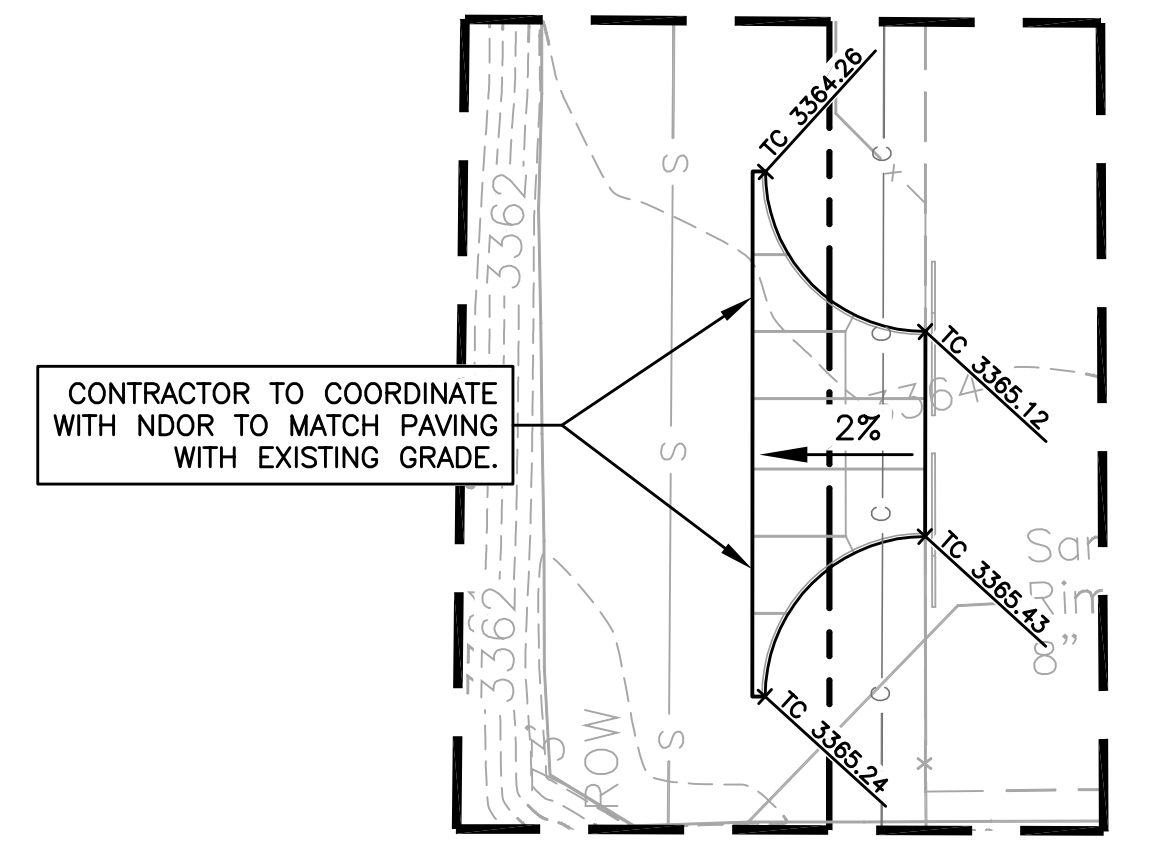
**GRADING PLAN**  
SCALE: 1" = 60'-0"



**ENLARGED PLAN #1**  
SCALE: 1" = 30'-0"

- LEGEND**
- PROPERTY LINE
  - - - - - EXISTING CONTOURS
  - 3358 — PROPOSED CONTOURS, FINISHED GRADE
  - P XXXX.XX — PAVEMENT SPOT ELEVATION, FINISHED GRADE
  - TM XXXX.XX — TOP OF MILLINGS ELEVATION, FINISHED GRADE
  - DIRECTION OF FLOW
  - TC XXXX.XX — TOP OF CURB ELEVATION FINISHED GRADE

- SHEET NOTES:**
1. IN AREAS WHERE ASPHALT MILLINGS ARE TO BE PLACED, CONTRACTOR SHALL BRING SUB-GRADE TO 12 INCHES BELOW FINAL GRADES, AS SHOWN ON THIS PLAN. PLACEMENT OF 12 INCHES MILLINGS TO BE PERFORMED BY NDOR.
  2. ALL DISTURBED AREAS NOT DESIGNATED FOR ASPHALT MILLINGS SHALL BE SEEDED WITH A DROUGHT RESISTANT FESCUE APPROVED BY NDOR AFTER CONSTRUCTION.
  3. ASPHALT MILLINGS ARE ACCEPTABLE AS A BASE OTHER THAN UNDER THE BUILDING.
  4. GUTTER ELEVATIONS ARE 6" BELOW TOP OF CURB UNLESS OTHERWISE NOTED.



**ENLARGED PLAN #2**  
SCALE: 1" = 30'-0"

**BENCHMARK**  
BENCHMARK #1, 3/4" REBAR NORTHWEST PROPERTY CORNER.  
EL=3354.04'  
BENCHMARK #2, 3/4" REBAR SOUTHWEST PROPERTY CORNER.  
EL=3360.35'

Retain the Location Request Number for YOUR Own Protection!



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REGA NO. 141102	DATE:	BY:	REVIEW BY:
ISSUED FOR:	09/08/16	MG/NB	NB/DR
65% REVIEW SET	10/25/16	MG/NB	NB/DR
95% REVIEW SET	11/23/16	MG/NB	NB/DR
100% CONSTRUCTION SET	12/16/16	MG/NB	NB/DR
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- ENGINEERING
- PLANNING
- LAND SURVEYING

PROJECT ARCHITECT	PROJECT ARCHITECT
DRAWN BY	Author
CHECKED	Checked

**PROJECT CONSULTANTS**

STRUCTURAL ENGINEER  
MECHANICAL/ELECTRICAL ENGINEER  
CIVIL ENGINEER

REGA ENGINEERING GROUP, INC.  
601 Old Cheney Road, Suite A  
Lincoln, NE 68512  
402-484-7342

# NDOR Chadron Maintenance Facility

SINCLAIR hille architecis

700 O St.  
Lincoln, NE 68508  
T: 402.476.7331 F: 402.476.834

SHA PROJECT NO. 15068

NDOR PROJECT NO. 52501  
YARD NO. ARE 0400

## C103