



Phone: (701) 280-0187
Fax: (701) 280-9021

**Moorhead Area Public Schools
Grades 5-6 Addition at Horizon Campus
Moorhead, MN**

**Project No. 15-024
Date: March 29, 2015**

ADDENDUM NUMBER 1

**BID DATE & TIME: Thursday, April 7, 2016 at 2:00 pm local time
Moorhead City Hall Council Chambers
300 Center Avenue
Moorhead, Minnesota**

The following additions, clarifications, deletions and/or changes shall be made to the SPECIFICATIONS:

Section 00 0109 - Bid Package Summary

1. Paragraph 9B Drywall, Delete the reference Section 07 2500 - Weather Barriers.

Section 00 2100 - Information to Bidders

1. Paragraph 1.03.B. Delete the entire sentence and replace with the following: The Bid Proposal and Bid Bond do not need to be submitted in separate envelopes.

Section 04 2000 - Unit Masonry

1. Paragraph 2.01, A, 6, b: Field applied high lighter (interior and exterior) shall be a solvent based product equal to TK Products; TK-Bright Kure & Seal.
2. Paragraph 2.08, B: Omit entirely.

Section 06 1800 - Glued-Laminated Construction

1. Paragraph 1.03.D & E and Paragraph 2.03.G & H: Revise to read ASTM 325 or ASTM 307 as required by design.
2. Paragraph 2.03, A, 1: Wood Species shall be Douglas Fir / Larch or Southern Pine.

Section 07 4264 - Metal Composite Material Wall Panels

1. Paragraph 2.02, C: Panels shall be One inch (2.5 mm) deep pans in lieu of .25 inch (6.35 mm).
2. Paragraph 2.03, A: Panels shall be sandwiched and laminated with corrugated polypropylene or polyethylene core.
3. Paragraph 2.03, A, 1: Overall sheet thickness shall be 4 mm, minimum (with architectural finish) in lieu of 6mm minimum.

Section 08 4313 - Aluminum Framed Storefronts

1. Paragraph 2.02.B add the following: 6. Overall U-value including glazing 0.29 minimum, Btu/(hr sq ft deg F).

Section 08 4413 - Glazed Aluminum Curtain Wall

2. Paragraph 2.02.E add the following: 2. Overall U-value including glazing 0.29 minimum, Btu/(hr sq ft deg F).

Section 09 2116 - Gypsum Board Assemblies

1. Paragraph 2.02.B.1.b. Exterior Studs: Delete the reference "18 gauge". Refer to structural drawings for exterior stud wall gauges at face brick and metal panel veneers.

The following additions, deletions and/or changes shall be made to the DRAWINGS:

1. No changes to the drawings are to be issued at this time.

The following materials and/or equipment have been accepted as APPROVED EQUALS:

(Note: see Electrical and Mechanical portion of Addendum for additional approved equals).

Section	Specified Product	Approved Equal
06 1800, 2.01, A - Glued-Laminated Construction	Western Archrib, RLD Company, Structural Wood Corporation, Calvert Company, American Laminators	Sentinel Structures, Inc.: www.sentinelstructures.com
07 4264, 2.01, A - Metal Composite Material Wall Panels	Laminators Inc.; Omega Light	3A Composites USA; Alucobond, Alcoa; Reynobond, Alpolic Materials; Alpolic PE Core, Alucoil North America; Larson, Citadel Arch. Products; Envelope 2000
08 4313 - Aluminum Framed Storefronts	CMI Architectural Products, Inc. EFCO Corporation Kawneer North America Manko Window Systems, Inc. United States Aluminum Corp.	Oldcastle Building Envelope
08 4413 - Glazed Aluminum Curtain Wall	Arch Aluminum & Glass Co., Inc. CMI Architectural Products, Inc. EFCO Corporation Kawneer North America United States Aluminum Corp.	Oldcastle Building Envelope Manko Window Systems, Inc.

END OF ARCHITECTUAL ADDENDUM NUMBER 1
See the attached addendums for Structural and Civil



March 29, 2016

Moorhead Area Public Schools
Grades 5-6 Addition at Horizon Middle School
MBN Project #15-214
Moorhead, Minnesota

BID DATE: 2:30 p.m., April 7th, 2016

ADDENDUM NO. 1

Drawings and Project Specification Manual for the above referenced project are hereby revised in accordance with the items set forth herein. This Addendum supersedes and supplements all portions of the Bidding Documents with which it conflicts.

Receipt of this Addendum shall be acknowledged by entering this Addendum number on your proposal.

The following are changes or additions to the Bidding Documents dated **March 14, 2016**

CHANGES TO THE DRAWINGS

Sheet C3.0 - Erosion Control Plan

1. See attached sheet SI1/C3.0 for changes to the Erosion Control Plan.

Sheet C4.0-C4.1 - Utility Plan

1. See attached sheet SI1/C4.0-C4.1 for additional plan notes.
2. See attached sheet SI1(1-2)/C4.0 for changes to the Utility Plan.

Sheet C5.0-C5.1 - Grading Plan

1. See attached sheets SI1(1-2)/C5.0 for changes to the Grading Plan.
2. See attached sheets SI1(3-4)/C5.1 for changes to the Grading Plan.

Sheet C6.0-C6.1 - Paving Plan

1. See attached sheet SI1(1)/C6.0-C6.1 for changes to the Paving Plan
2. See attached sheets SI1(2-4)/C6.0 for changes to the Paving Plan.
3. See attached sheets SI1(5-6)/C6.1 for changes to the Paving Plan.

Sheet C8.1 – Details

1. See attached sheet SI1(1)/C8.1 for changes to detail 9/C8.1 & 16/C8.1.
2. See attached sheet SI1(2)/C8.1 for changes to detail 13/C8.1.
3. See attached sheet SI1(3)/C8.1 for added Infield Surfacing Detail 23/C8.1.

CHANGES TO THE SPECIFICATIONS

Section 32 3120 - Athletic Field Equipment

1. Add section 2.04.B: Pole Vault Box Steel Lid: Stackhouse Athletic Model TSVBL or approved equal.

CLARIFICATIONS

Sheet C6.0-C6.1 – Utility Plan

1. Agrilime installation shall be the responsibility of the 31A contractor in lieu of the 32 contractor.

Sheet C8.1 – Details

1. Details 4/C8.1 & 6/C8.1 - 32 Contractor is responsible for providing holdouts for tennis net posts and center strap anchors. In turn, 32 contractor shall furnish & place concrete after posts and anchors are installed by 32B contractor.

PRIOR APPROVALS

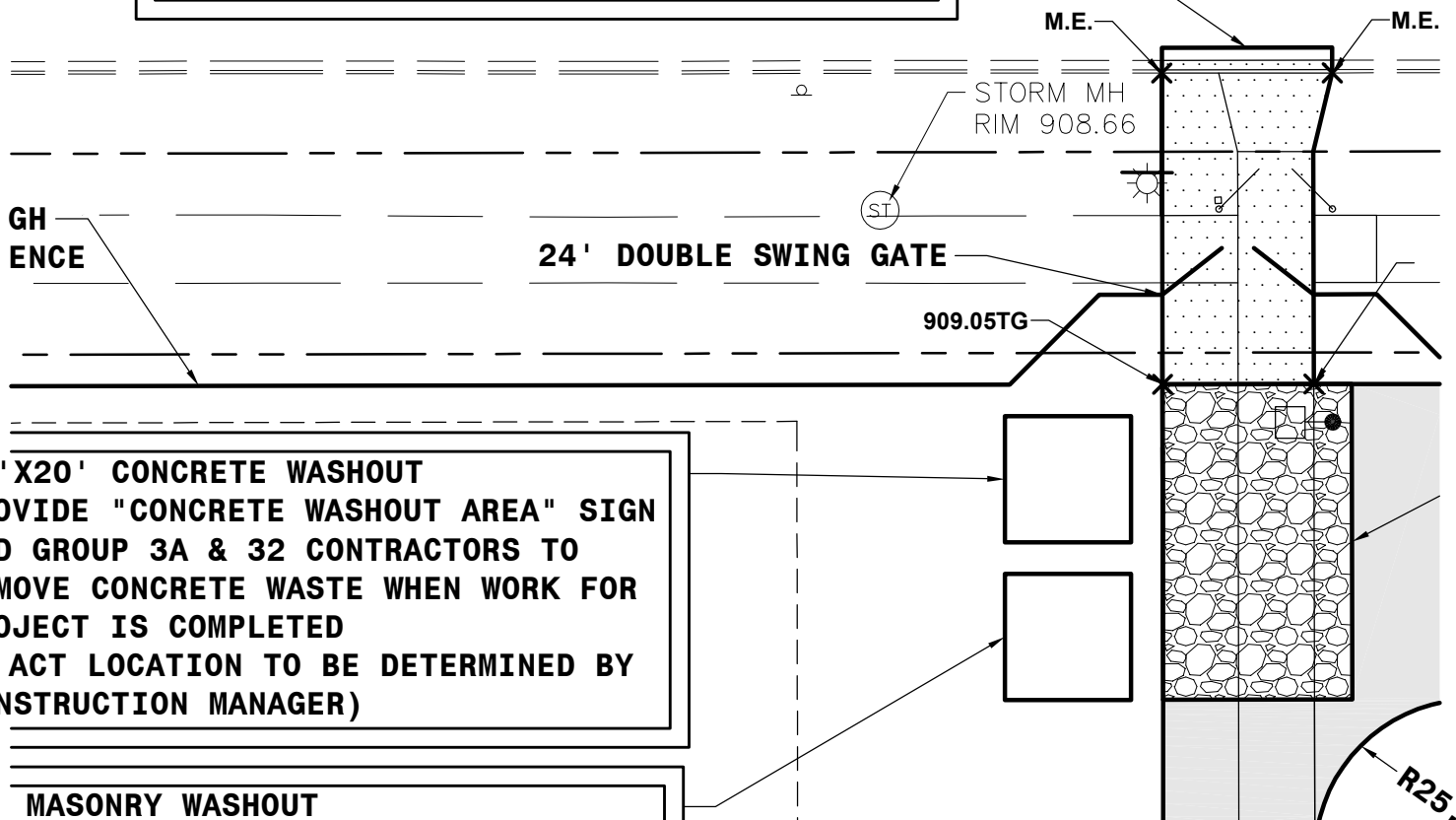
Section 32 3120 - Athletic Field Equipment

1. Discus Cage: Athletic Connection Port a Pit Competition 13' 6" Discus Cage.
2. Pole Vault Box & Cover: Athletic Connection Blazer Aluminum Vault Box with Lid.

END OF ADDENDUM NO. 1

NEW 24'X50' TEMPORARY ASPHALT ENTRANCE
BY 32 CONTRACTOR. 31A CONTRACTOR SHALL
REMOVE TEMPORARY ASPHALT ENTRANCE AFTER
ACCESS ROAD IS NO LONGER NEEDED.

SANITARY
RIM 908.49



0 15 30 60
SCALE: 1 INCH = 30 FEET

6. ALL STORM, SANITARY, AND WATERMAIN PIPE MUST BE WATER-TIGHT AND SOIL-TIGHT. (MN RULES 4715.0540).
7. ALL STORM SEWER CONNECTIONS TO MANHOLES MUST BE WATER-TIGHT AND USE WS-30 WATER STOP TO CREATE SEAL (MN RULES 4715.0700).
8. ALL STORM SEWER AND SANITARY SEWER MUST BE AIR TESTED TO 5PSI IF IT CROSSES OTHER UTILITIES (E.G. SANITARY, WATER, STORM) FOR 15 MINUTES (MN RULES 4715.2820).
9. ALL PORTIONS OF THE STORM DRAINAGE SYSTEM LOCATED INSIDE THE BUILDING OR WITHIN 10 FEET OF THE BUILDING OR WATER SERVICE LINE MUST BE TESTED IN ACCORDANCE WITH MINNESOTA RULES 4715.2820. THIS SHALL INCLUDE CATCH BASINS.

" C900 DR18 PVC WM

TEE

899.00

F.F. 909.10

12" PVC ST
INV 903.31

91.0'

71LF-12" SDR 35
PVC ST @ 1.0%

F-10" C900
PVC WM

HDPE ST INV 901.60
PVC WM T.O.P. 899.00

100LF-15" HDPE
ST @ 0.62%

ST MH #8 (48")
W/ INLET CASTING & GRATE
RIM 906.60
INV S 902.60 (12" PVC)
INV N 902.60 (12" PVC)
INV E 902.60 (10" PVC)
INV W 902.60 (15" HDPE)

98L
PVC

49LF-12" SDR 35
PVC ST @ 1.0%

STORM CLEANOUT
RIM 908.60
INV 901.98

F-15" HDPE
0.62%

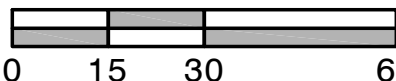
12" PVC ST
INV 903.09

89.7'

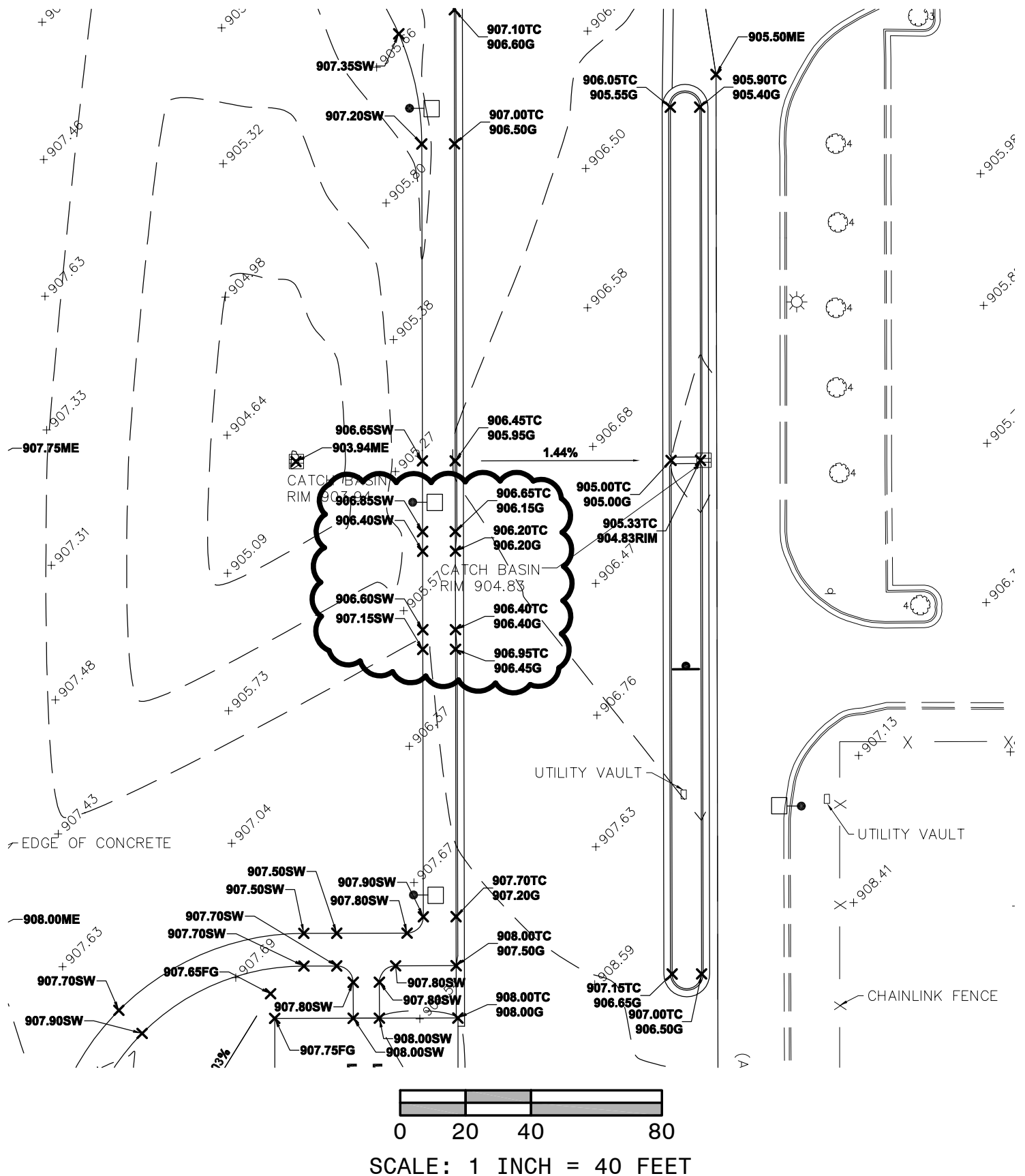
57.0'

F.F. 909.10

F-10" C900
PVC WM



SCALE: 1 INCH = 30 FEET

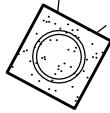




NEW AGRILIME (BY 31A)



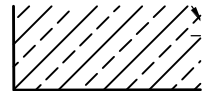
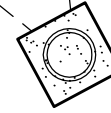
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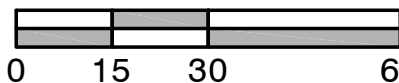
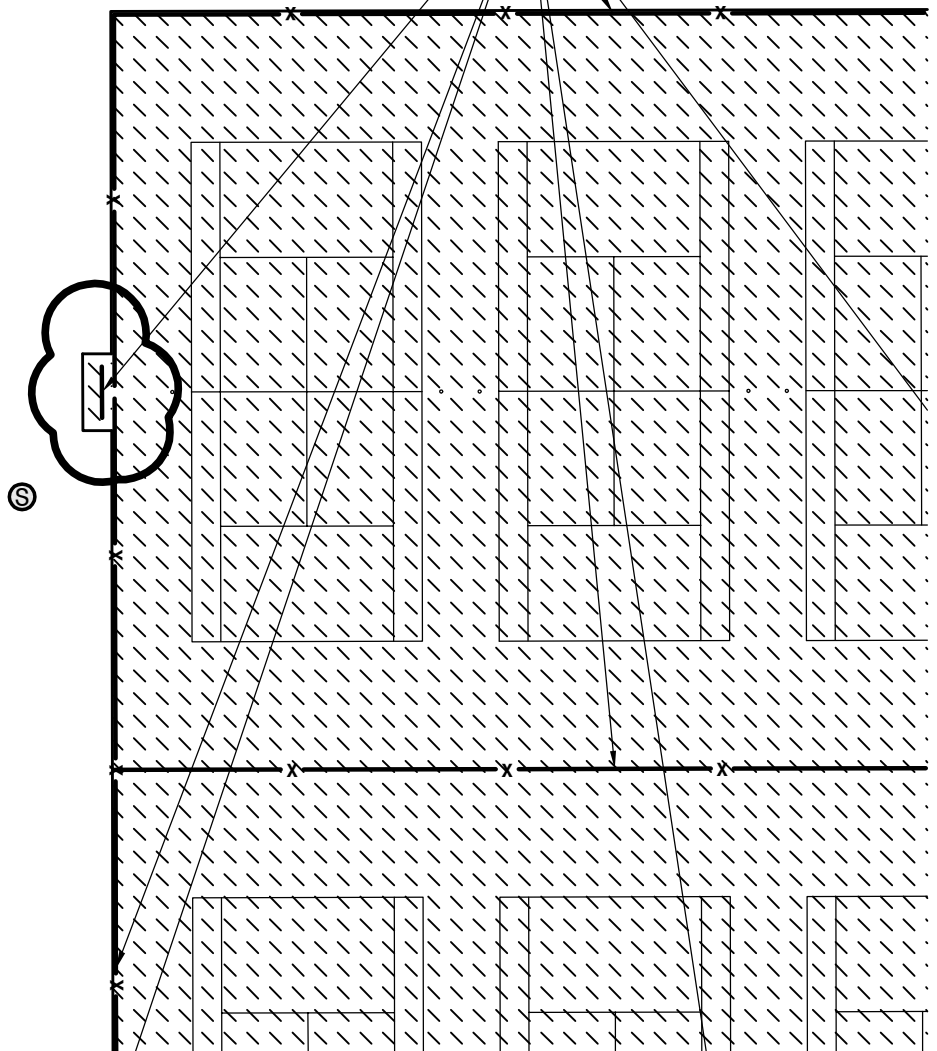
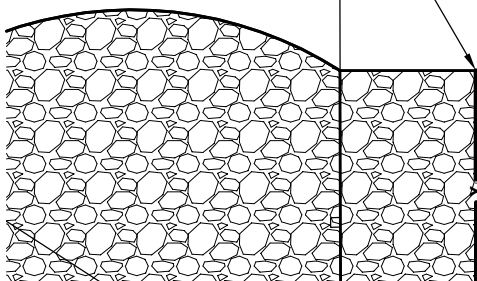
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**INSTALL 943LF-10' HIGH
CHAINLINK FENCE
(ALTERNATE NO. 1)**

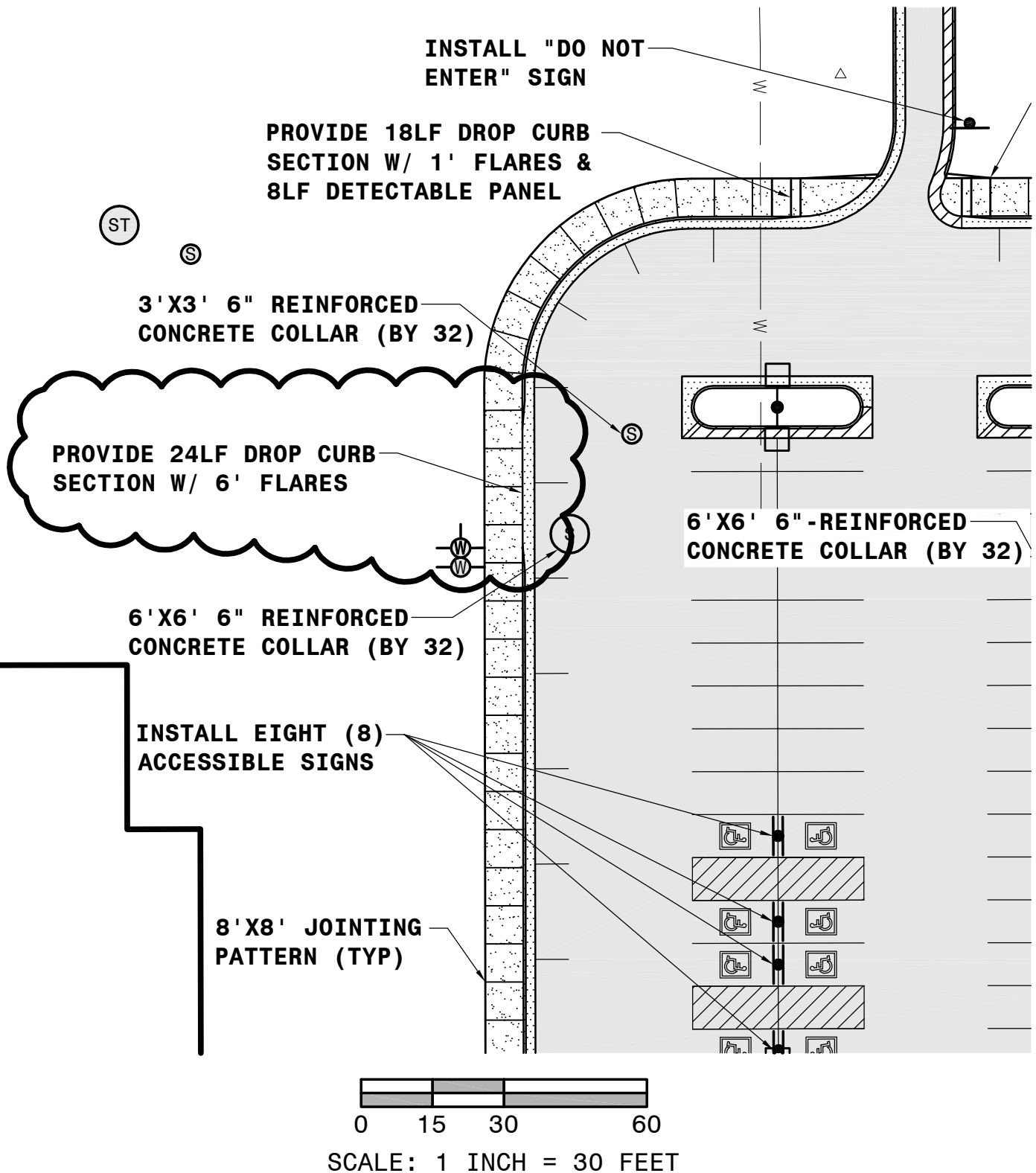
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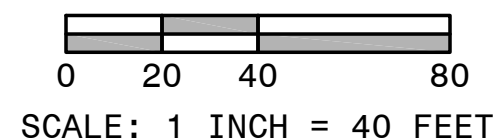
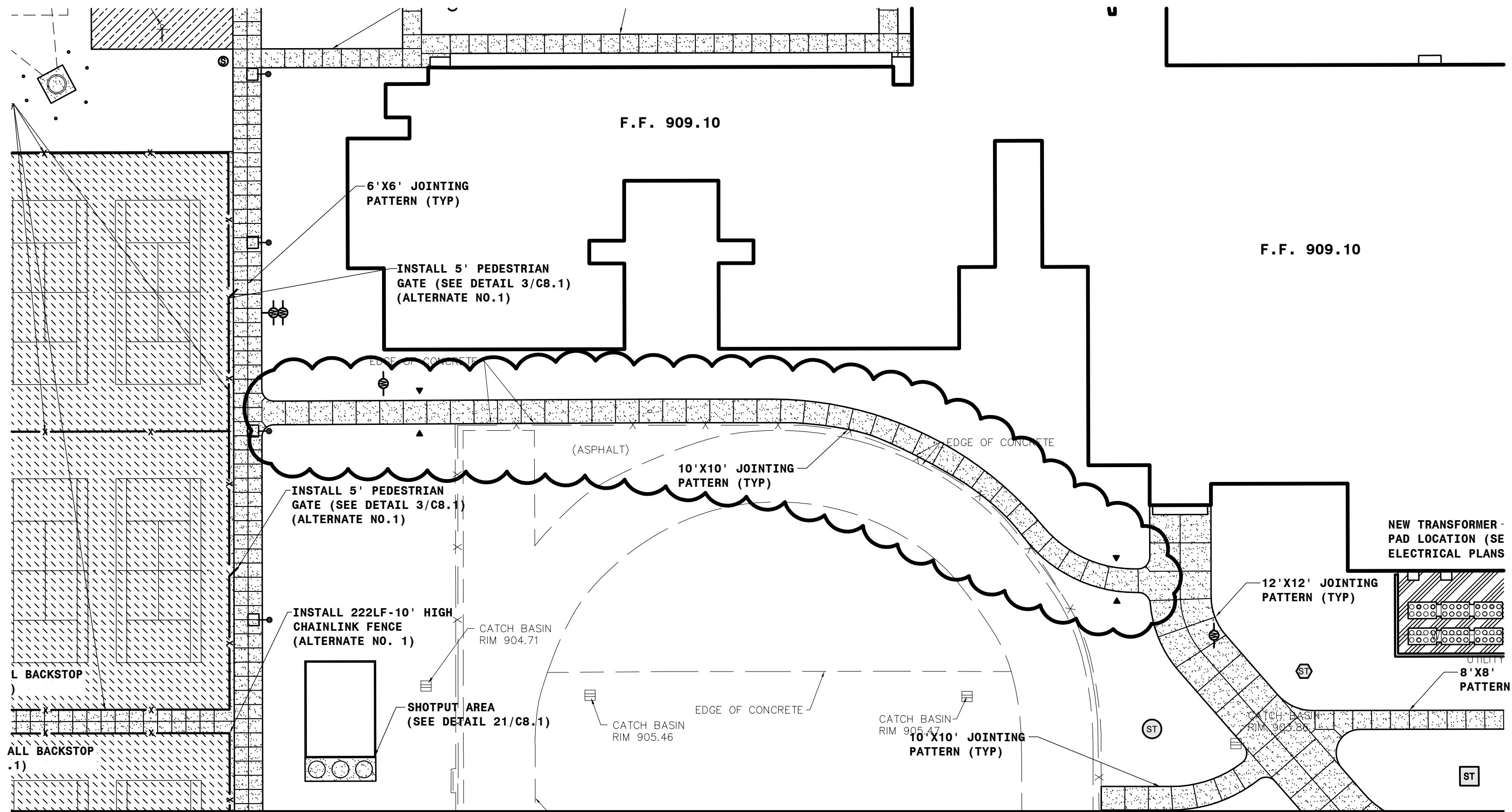


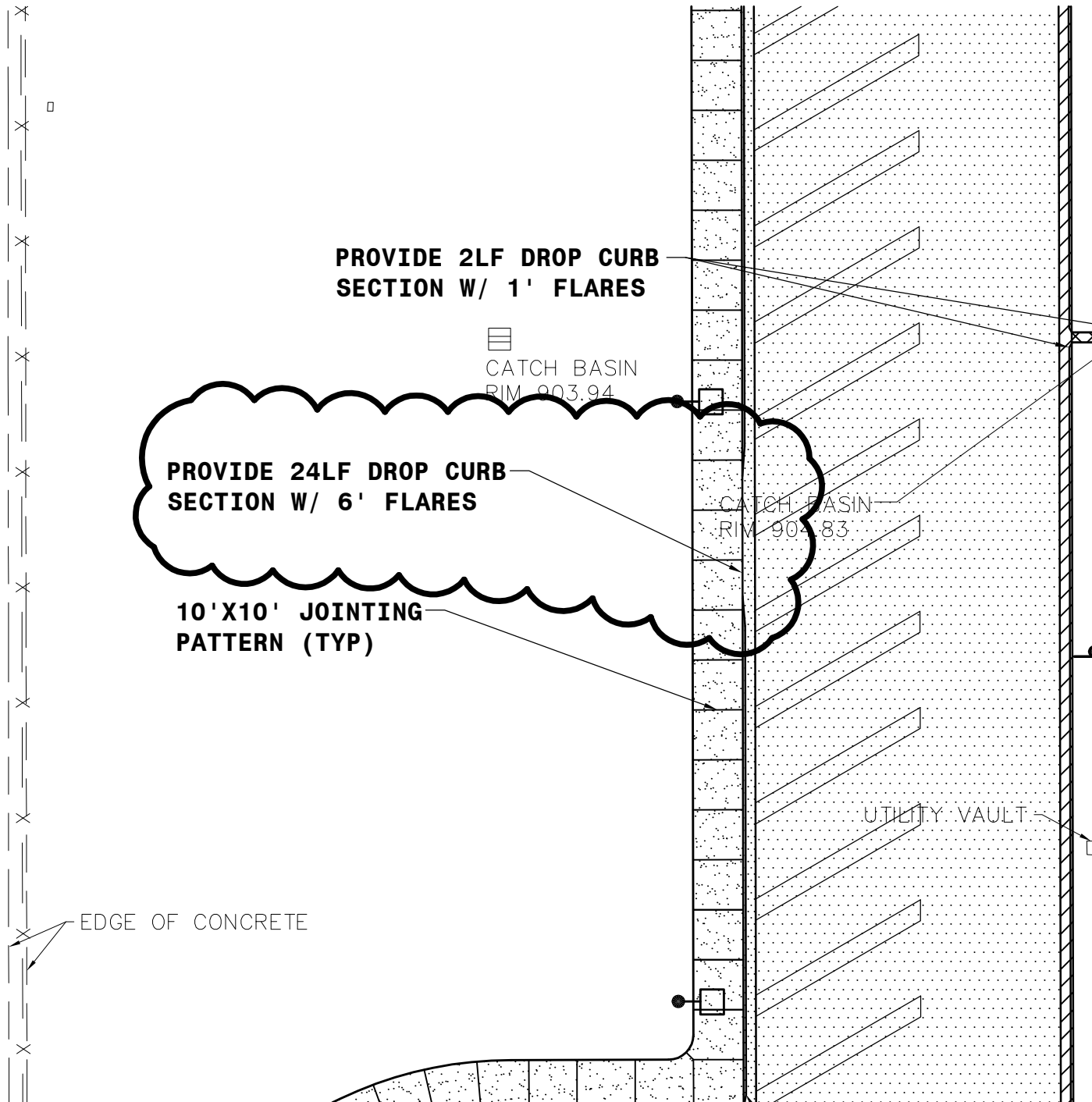
**ALL 71LF-4' HIGH
NLINK FENCE**



SCALE: 1 INCH = 30 FEET







INSTALL ONE (1)
ACCESSIBLE SIGN
(ALTERNATE NO. 2)

F.F.
908.50

PROVIDE 28LF DROP CURB
SECTION W/ 6' FLARE &
9LF DETECTABLE PANEL
(ALTERNATE NO. 2)

3'X3' 6" REINFORC
CONCRETE COLLAR
(BY 32) (ALTERNAT

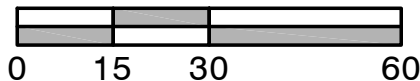
DROP CURB
LAST 3'

PROVIDE 24LF DROP CURB
SECTION W/ 3' FLARES
(ALTERNATE NO. 2)

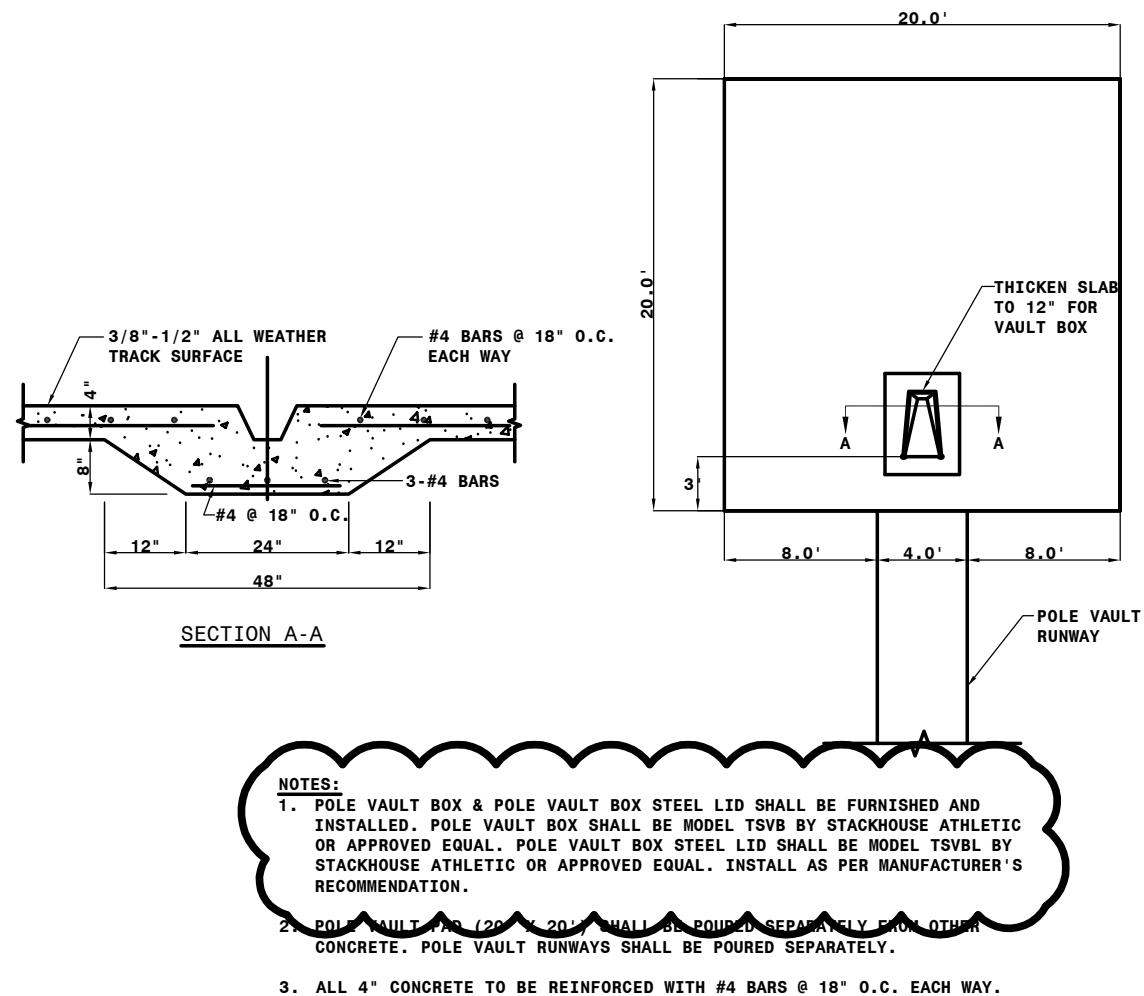
8'X8' JOIN
PATTERN (T

PROVIDE 9LF DROP CURB
SECTION W/ 1' FLARES &
8LF DETECTABLE PANEL
(ALTERNATE NO. 2)

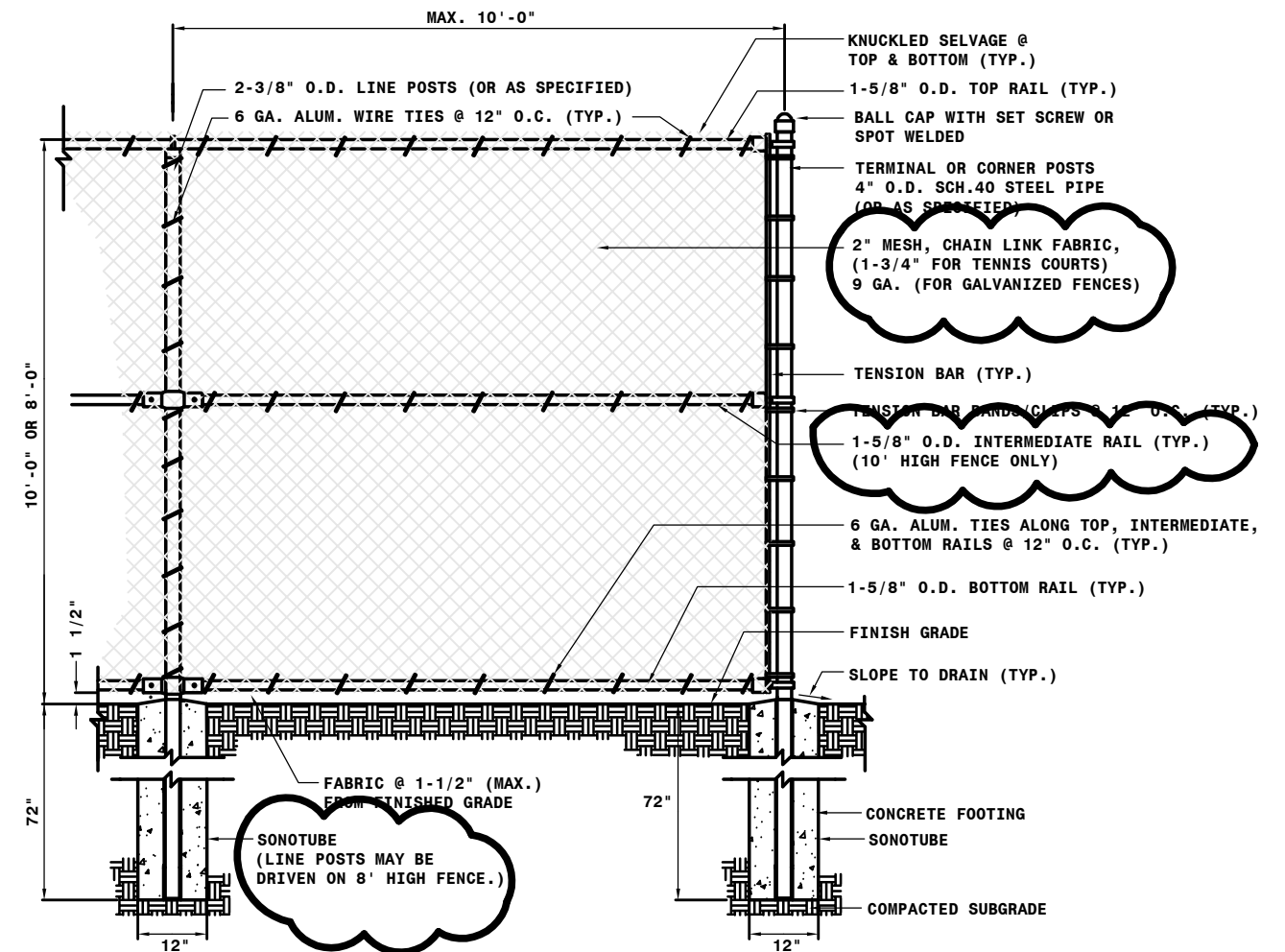
40LF-4' WIDE CONCRETE



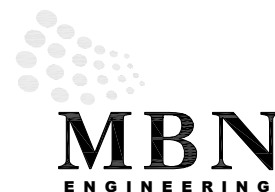
SCALE: 1 INCH = 30 FEET



9 POLE VAULT BOX DETAIL (BY 32)
C8.1 NOT-TO-SCALE



16 8' OR 10' HIGH CHAIN LINK FENCE (BY 32B)
C8.1 NOT-TO-SCALE

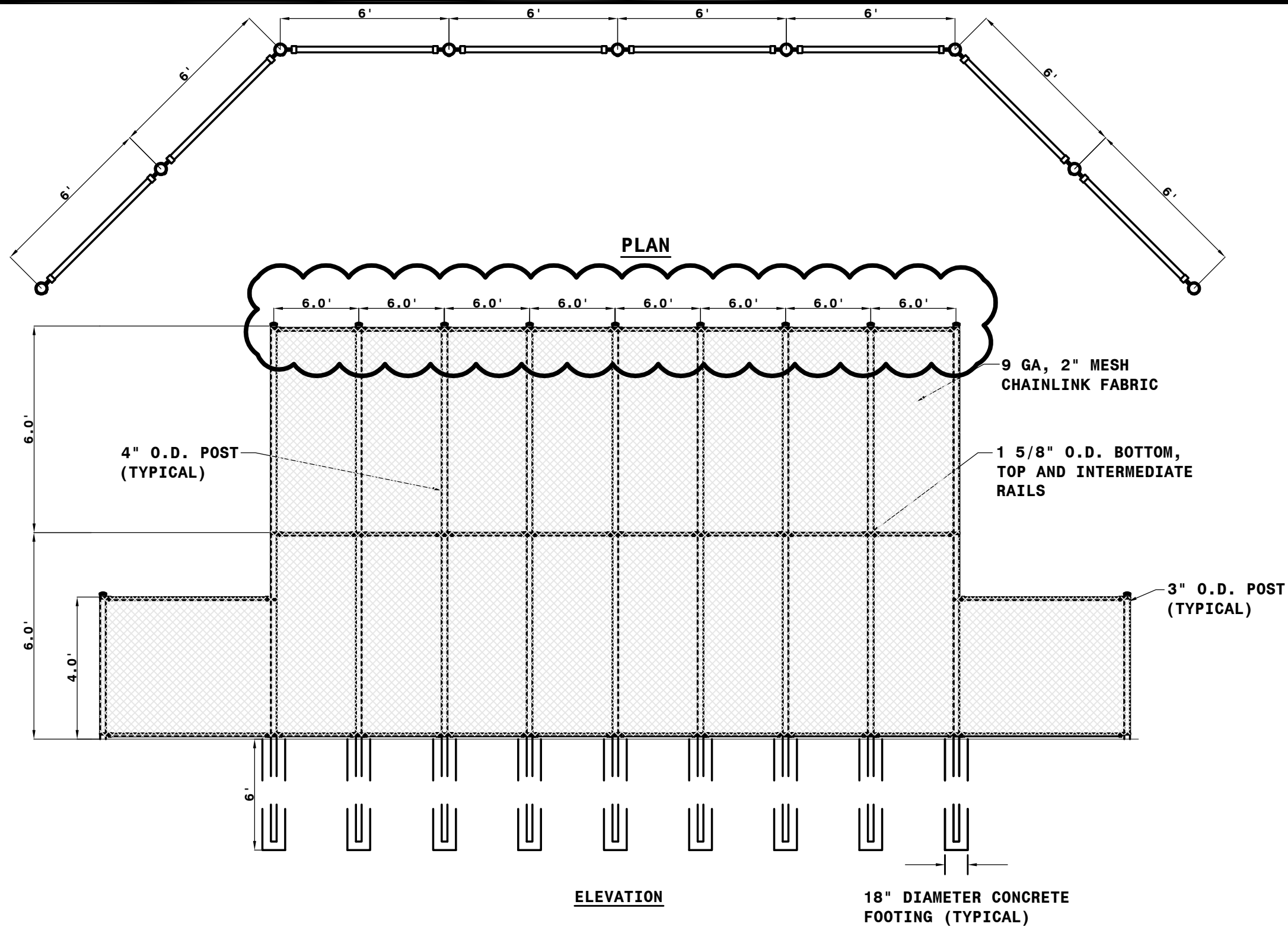


MECHANICAL * ELECTRICAL * CIVIL

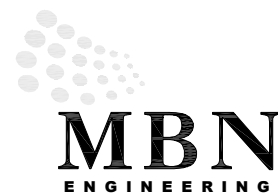
MOORHEAD AREA PUBLIC SCHOOLS
GRADES 5-6 ADDITION AT HORIZON
MIDDLE SCHOOL
SUPPLEMENTAL DETAIL INFORMATION
MOORHEAD, MINNESOTA

MBN JOB #: 15-214
REVISION DATE: 3-29-16

SI1(1)
C8.1



13 **SOFTBALL BACKSTOP DETAIL (BY 32B)**
C8.1 NOT-TO-SCALE

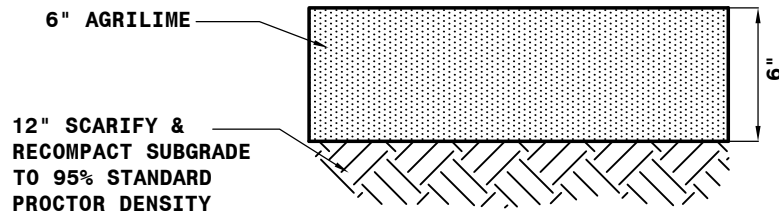


MECHANICAL * ELECTRICAL * CIVIL

MOORHEAD AREA PUBLIC SCHOOLS
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MOORHEAD, MINNESOTA

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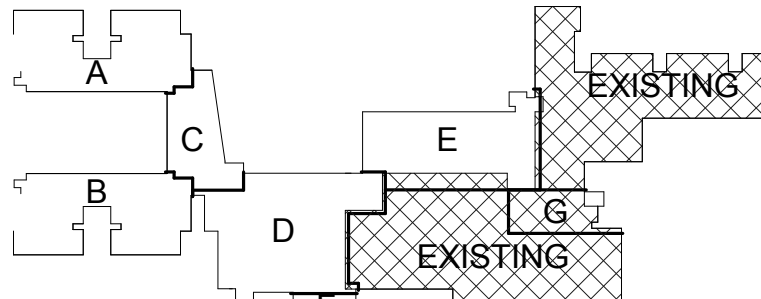
SI1(2)
C8.1



23 **INFIELD SURFACING DETAIL (BY 31A)**
C8.1 **NOT-TO-SCALE**

- SHEET NOTES:**
1. VERIFY ALL DIMENSIONS WITH ARCHITECTURAL DRAWINGS.
 2. COORDINATE SIZE, NUMBER, AND LOCATIONS OF MECHANICAL & ELECTRICAL PENETRATIONS THRU CONC. SLABS & FDN. WALLS W/ MECHANICAL AND ELECTRICAL CONTRACTORS.
 3. EXTERIOR UTILITY PADS BY OTHERS.
 4. LOCATE ALL NON LOAD BEARING MASONRY WALLS ON ARCHITECTURAL DRAWINGS.

Revision Schedule		
Number	Description	Date
ADD. #1		03.29.2016



KEY PLAN
NTS NORTH

BID GROUP I

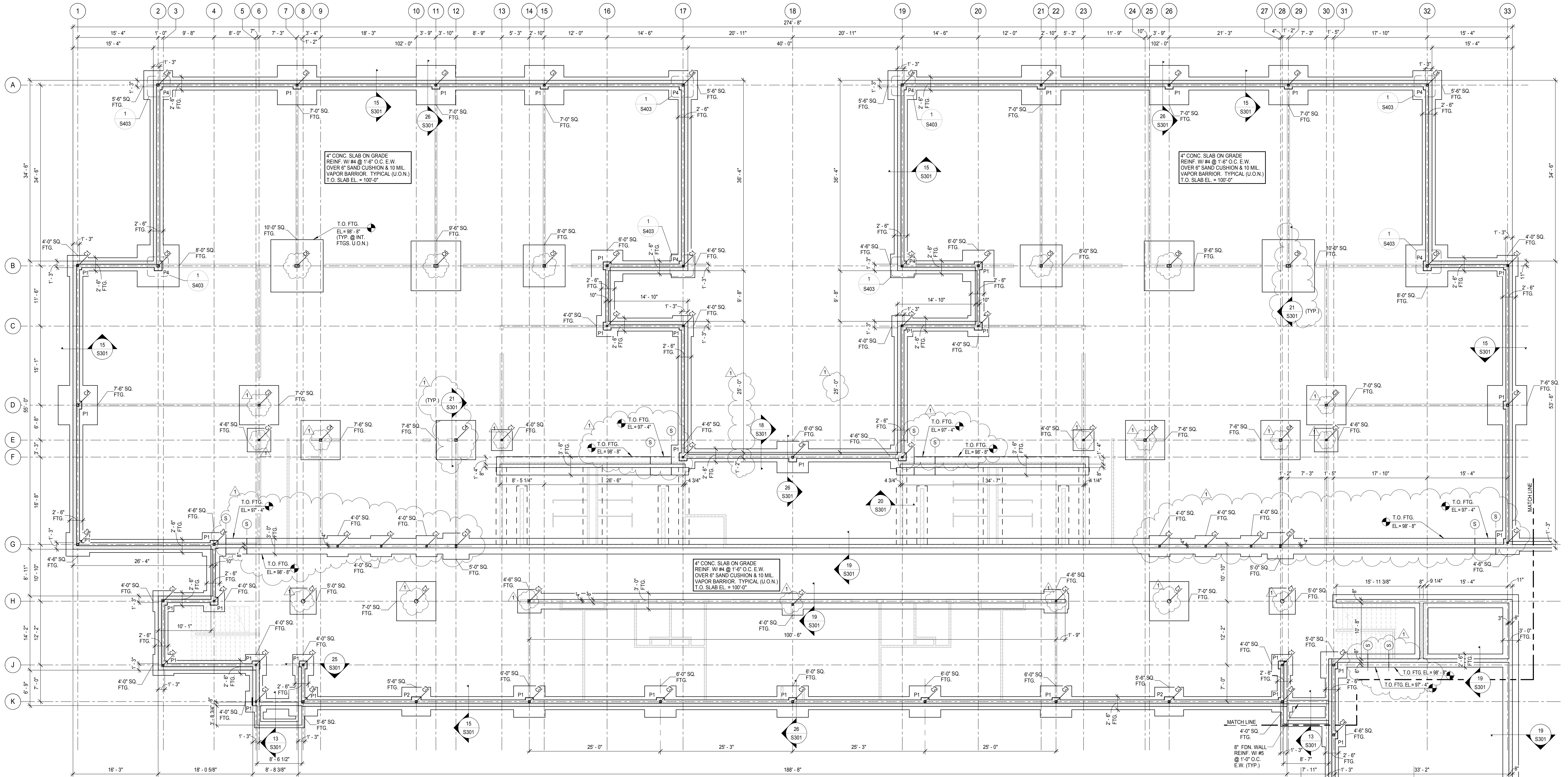
I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.
Print Name: David Bruns

Signature: *David Bruns*
Date: 03-14-2016 Registration No. 19787



MOORHEAD
AREA PUBLIC SCHOOLS
MAPS
GRADES 5-6
ADDITION AT
HORIZON CAMPUS
3601 12th AVE. S. MOORHEAD, MN

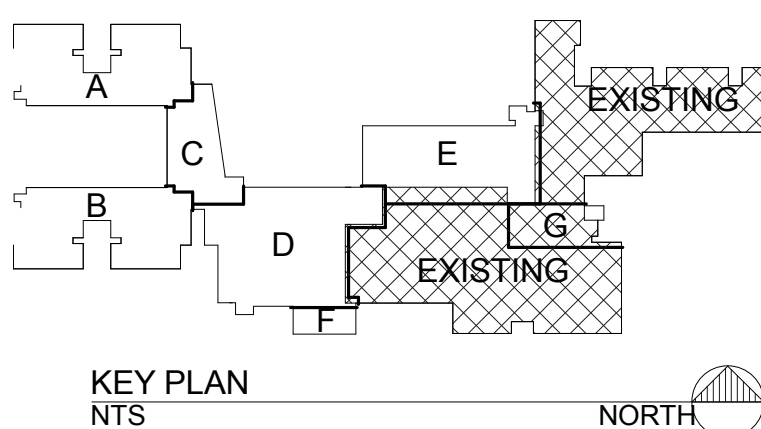
FOOTING AND FOUNDATION PLAN - AREA "A"



FOOTING AND FOUNDATION PLAN - AREA "A"
1/8" = 1'-0"
T.O. EXTERIOR FOOTING ELEV. = 95'-6" (U.O.N.)
T.O. INTERIOR FOOTING ELEV. = 98'-8" (U.O.N.)

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1	ADD. #1	03.29.2016



BID GROUP I

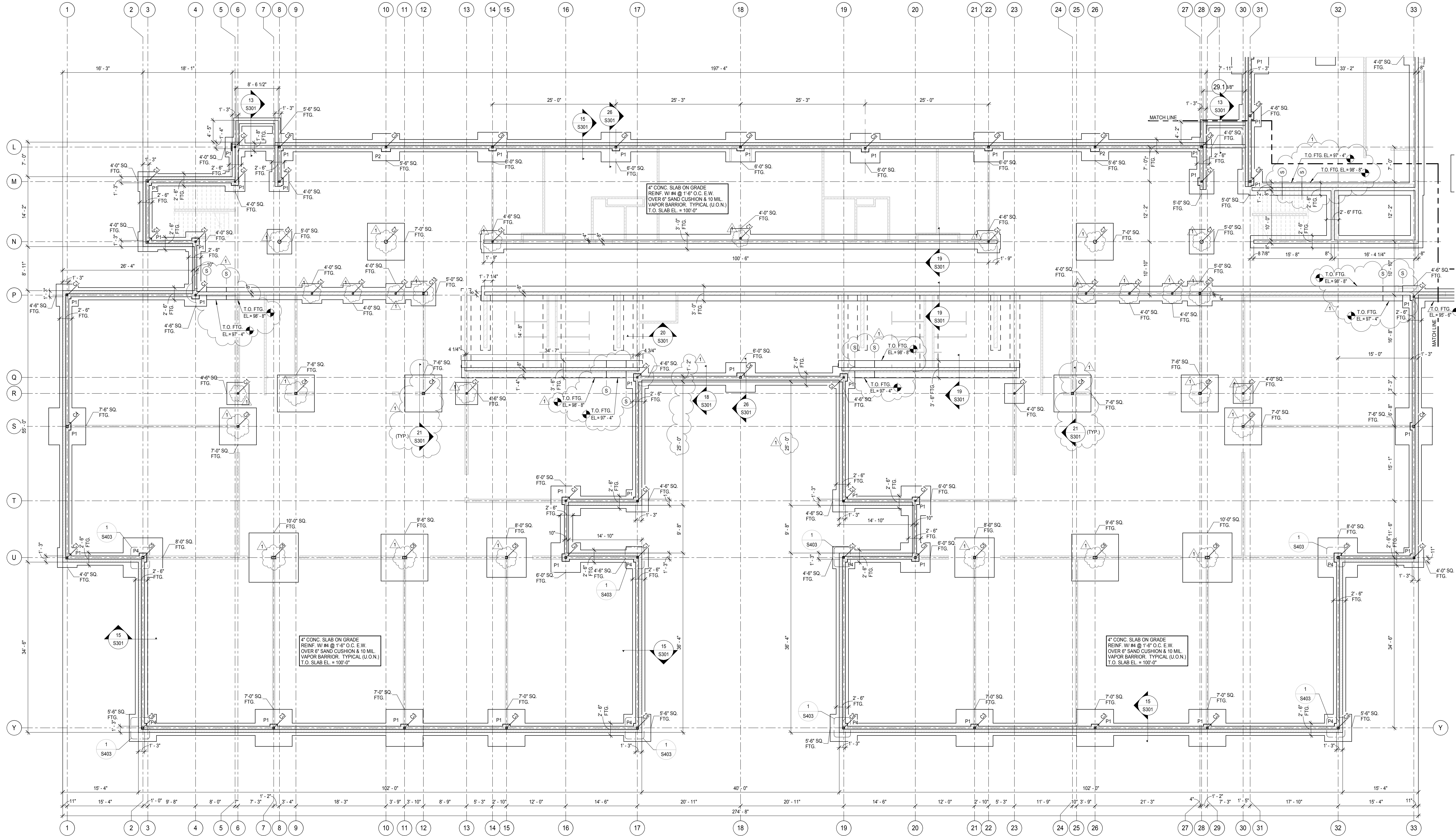
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MOORHEAD
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3601 12th AVE. S. MOORHEAD, MN

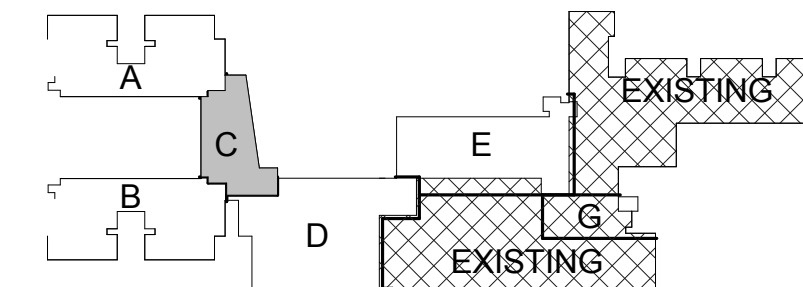
FOOTING AND FOUNDATION PLAN - AREA "B"



FOOTING AND FOUNDATION PLAN - AREA "B"
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1	ADD. #1	03.29.2016



KEY PLAN
NTS

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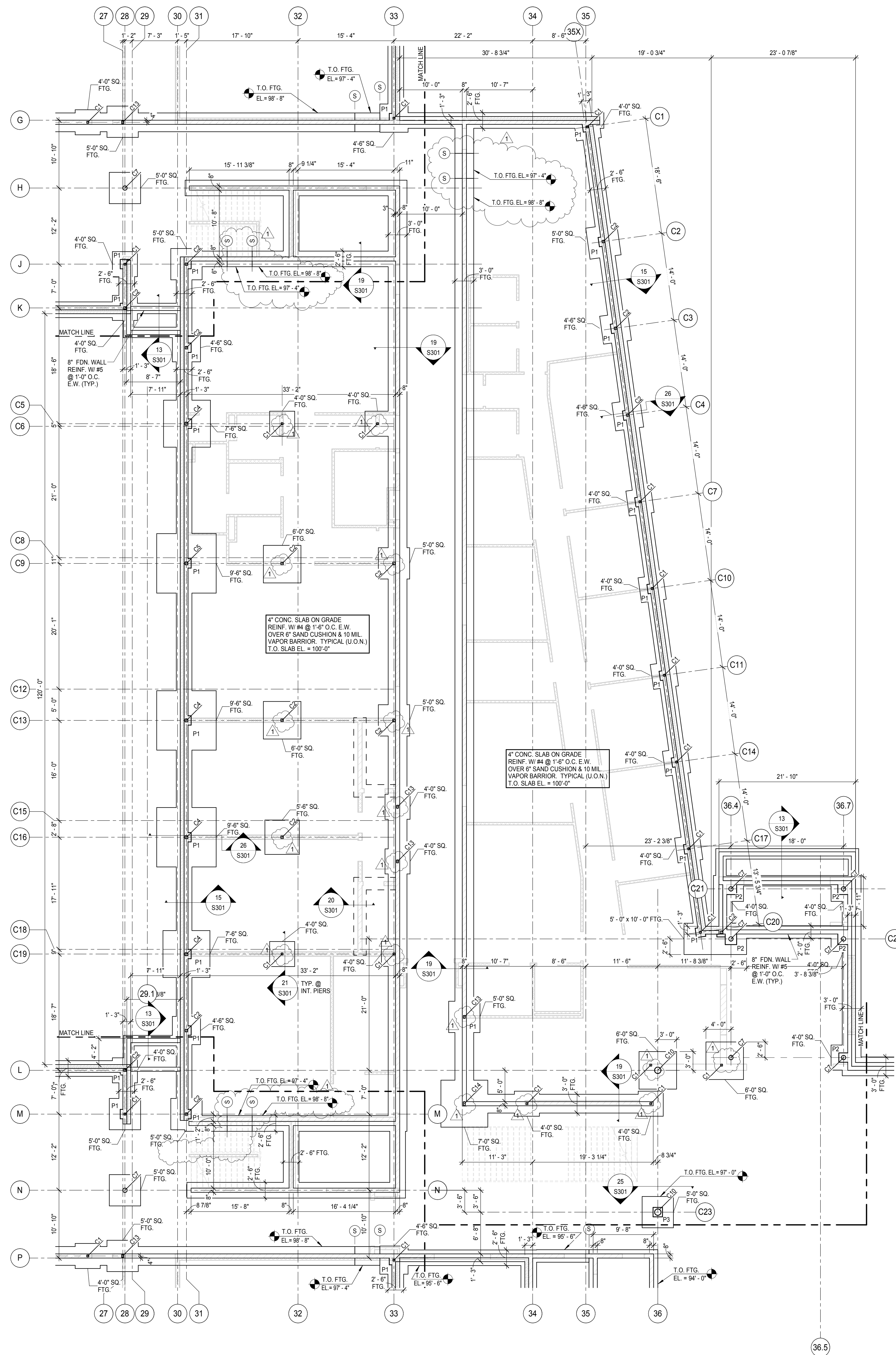


MOORHEAD
AREA PUBLIC SCHOOLS
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GRADES 5-6
ADDITION AT
HORIZON CAMPUS
3601 12th AVE. S. MOORHEAD, MN

FOOTING AND FOUNDATION PLAN -
AREA "C"

Project No.: 15-024
Date: 03-14-2016

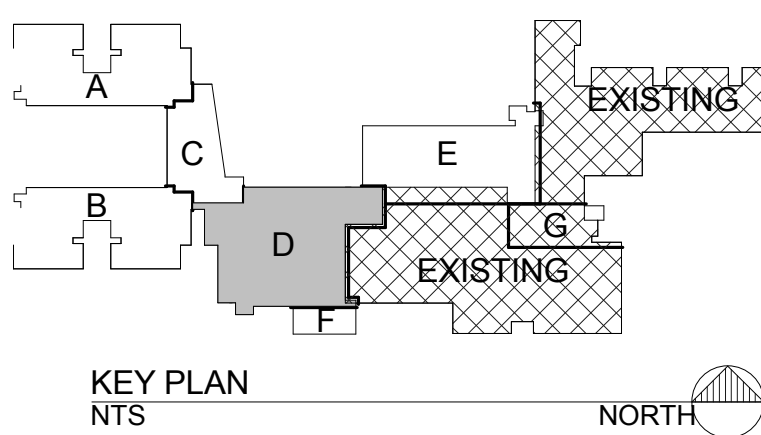
S101C



FOOTING AND FOUNDATION PLAN - AREA "C"
1/8" = 1'-0"
T.O. EXTERIOR FOOTING ELEV. = 95'-6" (U.O.N.)
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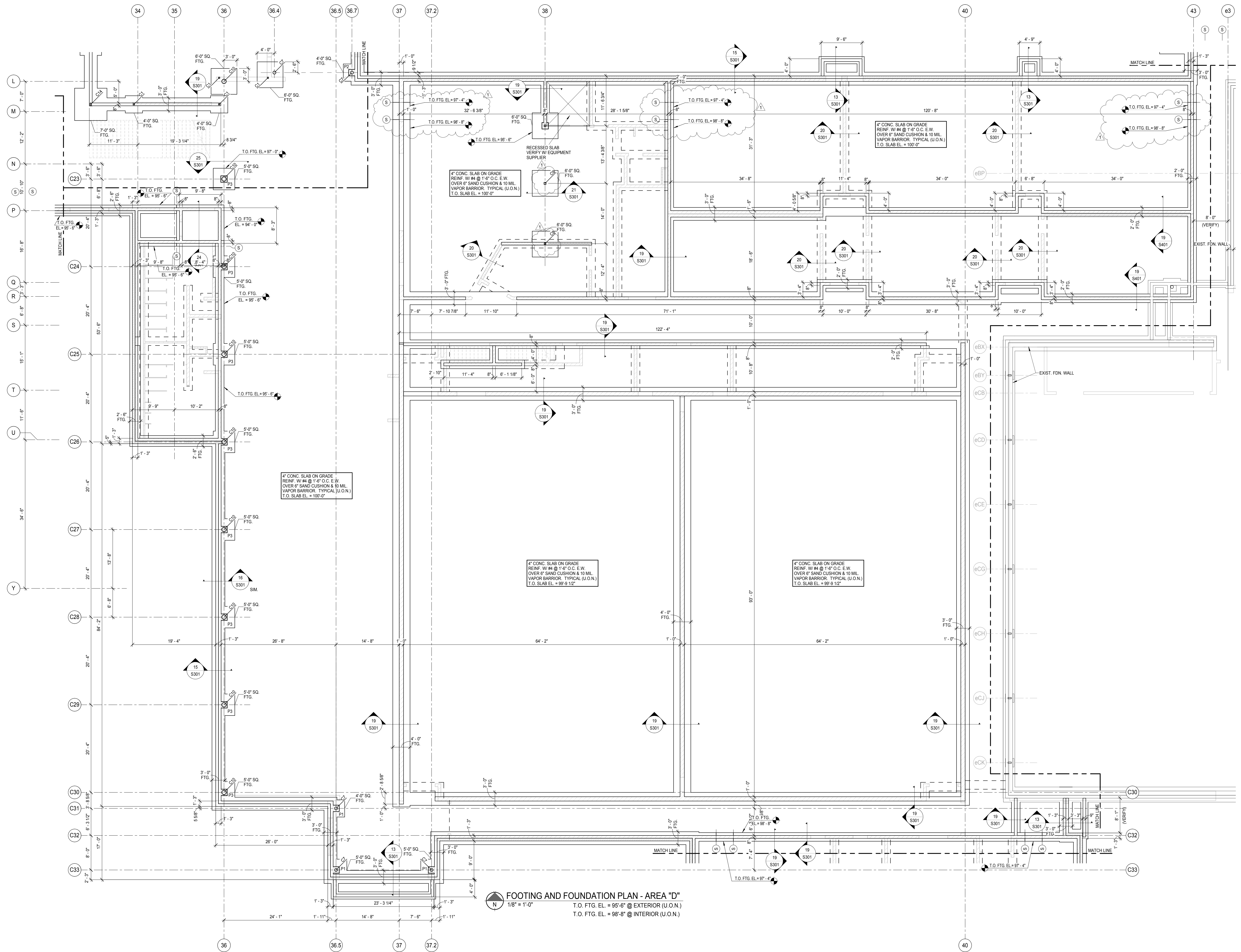


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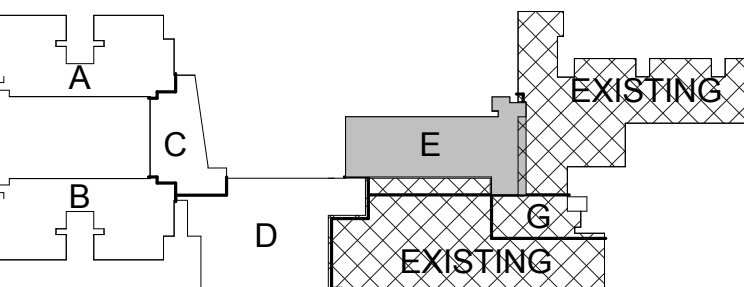
MOORHEAD
AREA PUBLIC SCHOOLS
MAPS
GRADES 5-6
ADDITION AT
HORIZON CAMPUS
3601 12th AVE. S. MOORHEAD, MN

FOOTING AND FOUNDATION PLAN - AREA "D"



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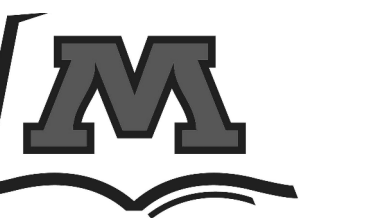


KEY PLAN
NTS

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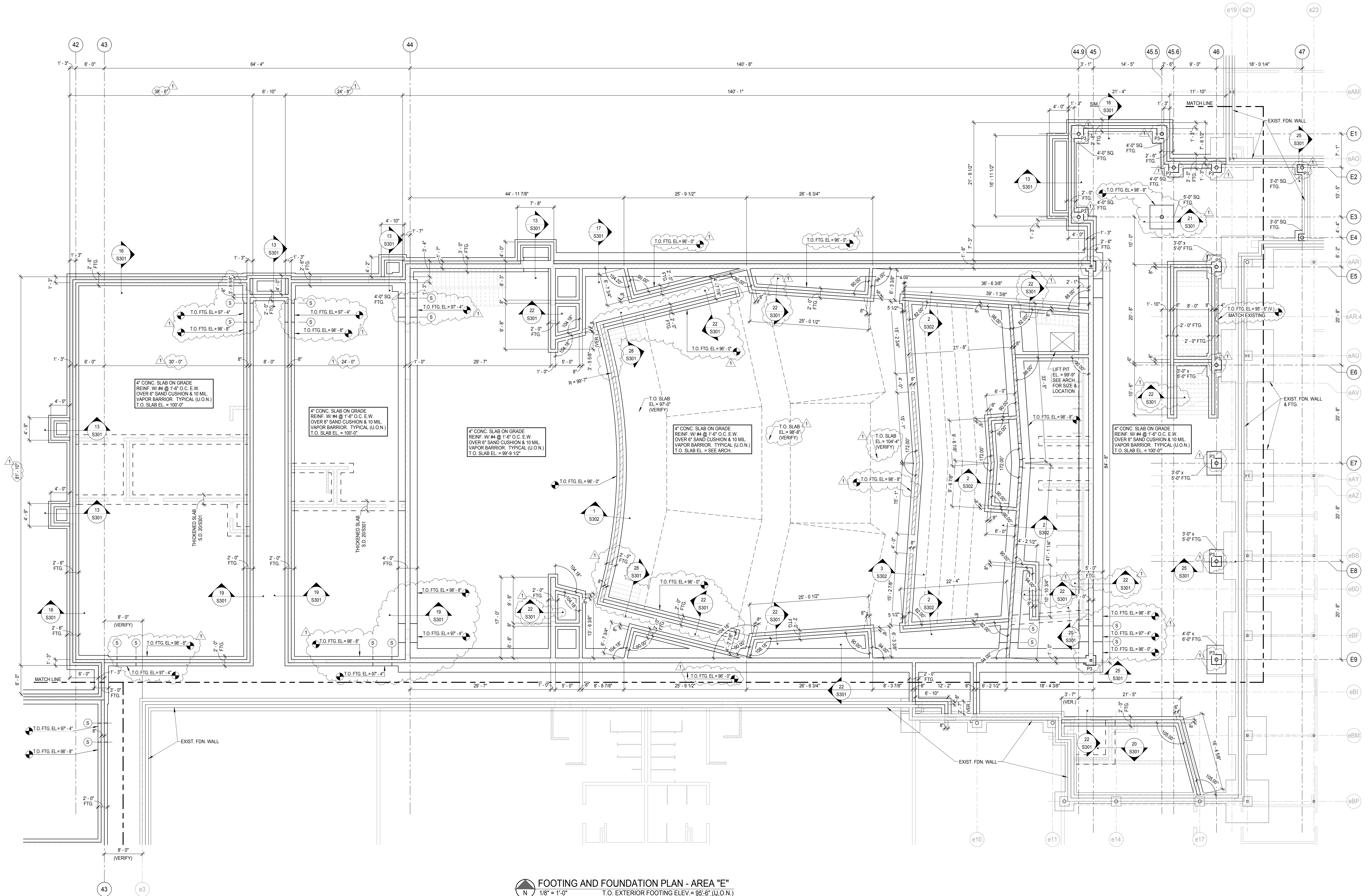


MOORHEAD
AREA PUBLIC SCHOOLS
MAPS
GRADES 5-6
ADDITION AT
HORIZON CAMPUS
3601 12th AVE. S. MOORHEAD, MN

FOOTING AND FOUNDATION PLAN - AREA "E"

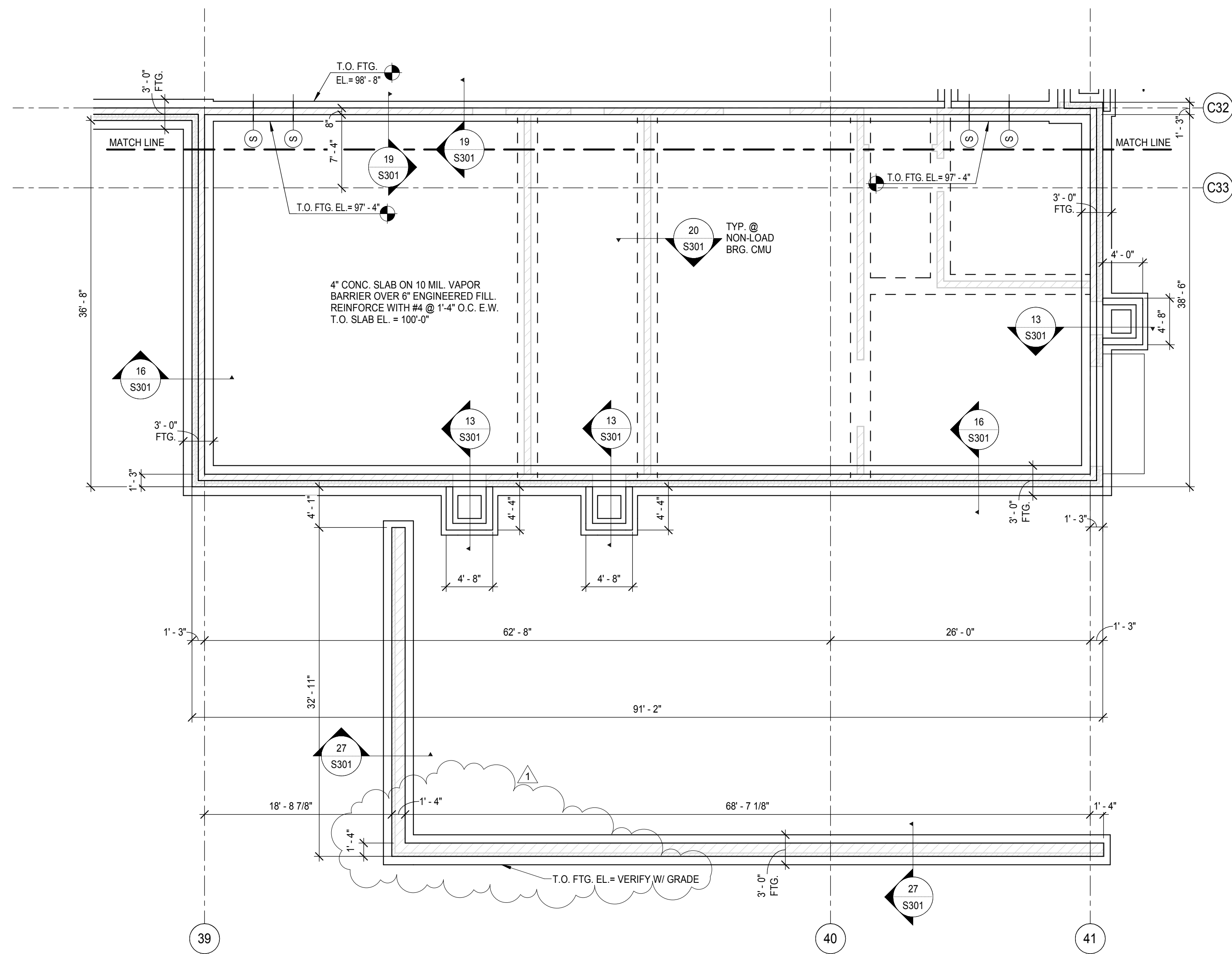
Project No.: 15-024
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S101E



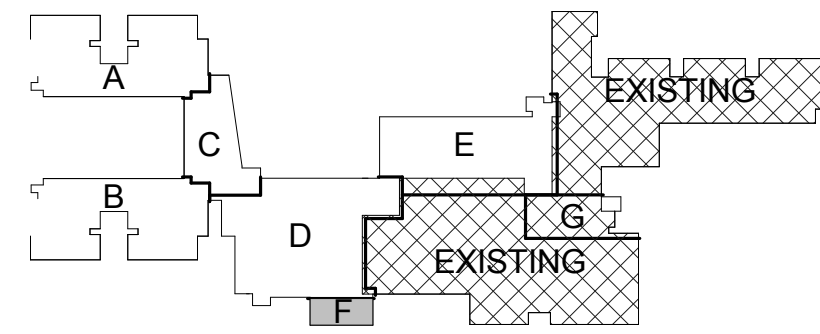
FOOTING AND FOUNDATION PLAN - AREA "E"
1/8" = 1'-0"
T.O. EXTERIOR FOOTING ELEV. = 98'-6" (U.O.N.)
T.O. INTERIOR FOOTING ELEV. = SEE PLAN

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FOOTING AND FOUNDATION PLAN - AREA "F"
1/8" = 1'-0"
T.O. FTG. EL. = 95'-6" @ EXTERIOR (U.O.N.)
T.O. FTG. EL. = 98'-8" @ INTERIOR (U.O.N.)

Revision Schedule		
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1	ADD. #1	03.29.2016



KEY PLAN
NTS

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MOORHEAD
AREA PUBLIC SCHOOLS

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HORIZON CAMPUS
3601 12th AVE. S. MOORHEAD, MN

FOOTING AND FOUNDATION PLAN -
AREA "F"

Project No.: 15-024
Date: 03-14-2016

S101F

- STEPPED FOOTING NOTES:**
1. SEE PLAN FOR FOOTING SIZE AND REINFORCING
 2. SLOPED OR STEPPED FOOTINGS SHALL BE CAST AS A UNIT
 3. STEPPED FOOTING LINES SHOWN ON PLAN ARE @ BOTTOM OF FOOTING

1 STEPPED FOOTING DETAIL
S301/ 1/2" = 1'-0"

2 FOOTING CORNER REINF. DETAIL
S301/ 1/2" = 1'-0"

3 TYPICAL CORNER BAR DETAIL
S301/ 1/2" = 1'-0"

4 TYPICAL WALL INTERSECTION DETAIL
S301/ 1/2" = 1'-0"

5 TYPICAL WALL CONSTRUCTION JOINT
S301/ 1/2" = 1'-0"

6 FLOOR CONSTRUCTION JOINT (CCJ)
S301/ 1/2" = 1'-0"

8 INTERIOR COLUMN ISOLATION JOINT
S301/ 1/2" = 1'-0"

9 MASONRY WALL CONTROL JOINT
S301/ NO SCALE

10 MASONRY CORNER BAR
S301/ NO SCALE

11 REINFORCED MASONRY WALL
S301/ NO SCALE

12 ADDITIONAL REINFORCING @ OPENING
S301/ NO SCALE

13 STOOP DETAIL
S301/ 1/2" = 1'-0"

14 FOUNDATION WALL @ OVERHEAD DOOR
S301/ 1/2" = 1'-0"

15 EXTERIOR FOUNDATION WALL DETAIL
S301/ 1/2" = 1'-0"

16 EXTERIOR FOUNDATION WALL DETAIL
S301/ 1/2" = 1'-0"

17 EXTERIOR FOUNDATION WALL DETAIL
S301/ 1/2" = 1'-0"

18 EXTERIOR FOUNDATION WALL DETAIL
S301/ 1/2" = 1'-0"

19 INTERIOR FOOTING DETAIL
S301/ 1/2" = 1'-0"

20 THICKENED SLAB DETAIL
S301/ 1/2" = 1'-0"

21 COLUMN FOOTING DETAIL
S301/ 1/2" = 1'-0"

22 INTERIOR FOOTING DETAIL
S301/ 1/2" = 1'-0"

23 TRENCH DRAIN DETAIL
S301/ 1/2" = 1'-0"

24 ELEVATOR PIT DETAIL
S301/ 1/2" = 1'-0"

25 PIER DETAIL
S301/ 1/2" = 1'-0"

26 PIER DETAIL @ EXTERIOR WALL
S301/ 1/2" = 1'-0"

27 SCREEN WALL DETAIL
S301/ 1/2" = 1'-0"

28 CONCRETE STAIR DETAIL
S301/ 1/2" = 1'-0"

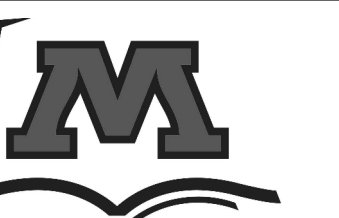
29 TYP. PIPE PENETRATION DETAIL
S301/ 1/2" = 1'-0"

Revision Schedule		
Number	Description	Date
1	ADD. #1	03.29.2016

BID GROUP I

I hereby certify that this plan, specification, or report was prepared by me or under my direct supervision and that I am a duly Licensed Professional Engineer under the laws of the State of Minnesota.

Print Name: David Bruns
Signature: *David Bruns*
Date: 03-14-2016 Registration No. 19787



MOORHEAD
AREA PUBLIC SCHOOLS
MAPS
GRADES 5-6
ADDITION AT
HORIZON CAMPUS
3601 12th AVE. S. MOORHEAD, MN

FOOTING AND FOUNDATION DETAILS