

Addendum #2 - Bid Package #6929-04

Project Name: Lincoln Public Schools District Office
5901 'O' Street
Lincoln, NE
Project No.: 11065
Issued: March 19, 2012

This Addendum is issued by Hampton Construction to all known sub-contractors working on the preparation of proposals associated with the Bid Documents dated March 9, 2012. This Addendum is to authorize the use of the following information in preparing proposals for the above named project.

GENERAL QUESTIONS AND CLARIFICATIONS

- ADD 2-1.** All bids are to include a Bid Bond from the Surety Company.
- ADD 2-2.** The **Pre-bid Agenda and Pre-bid Attendance Sheet** are included with this addendum.
- ADD 2-3.** **Construction Phasing and Site Use Plans** are included with this addendum.
- ADD 2-4.** **Concrete and Reinforcing Material** for the Slab-on-Grade and Toppings are NOT to be included as part of any bid scopes associated with this bid package.
- ADD 2-5.** **Foundation Wall Bracing**: Hampton Construction will be responsible for bracing the North Foundation wall in order to allow for backfill operations.
- ADD 2-6.** **Site Utilities**: Contractors shall note that the water service lines for the other two buildings scheduled as part of the development may require separate mobilizations from the work directly associated with the LPS District Office Building.
- ADD 2-7.** **Dewatering**: Hampton Construction will be responsible for the dewatering requirements of the basement.
- ADD 2-8.** Backfilling:
- Question:** *Are we to assume the backfill for the wall is by others, other than the coverage fill and wrap indicated in the spec.?*
- Response:** Yes. Backfill for walls will be provided by others.
- ADD 2-9.** Preliminary Schedule:
- Question:** *We are looking for an anticipated schedule for the timing of these work scopes. Can you forward a preliminary schedule for the project?*
- Response:** The preliminary timeline is **attached** as part of this addendum.
- ADD 2-10.** Exterior Drain Tile:

Question: *Is the exterior drain-tile to connect to the interior sump pit?*

Response: Yes. Refer to **Attachment A1** for revisions to the sump pit location and graphic indicating connection.

ADD 2-11. Reinforcing Support:

Question: *We are required to provide reinforcing bars at top and bottom of footings however we do not have any vertical bars with which to support the horizontals with. Should stirrups and concrete blocks be provided for support of upper and lower bars respectively? Can you provide direction on intent?*

Response: Support of reinforcing is a means and methods issue that the contractor will need to resolve on their own. Reinforcing should be supported to avoid displacement during pour. There are any number of ways to provide support for the reinforcing, the selection of which is a Contractor decision.

ADD 2-12. Perimeter Insulation:

Question: *Insulation is shown at the foundation walls. Is perimeter insulation also required at the grade beams?*

Response: Yes. Provide perimeter insulation at grade beam conditions as follows:

FOAM-PLASTIC BOARD INSULATION

A. Extruded-Polystyrene Board Insulation: ASTM C 578, of type and minimum compressive strength indicated below, with maximum flame-spread and smoke-developed indexes of 75 and 450, respectively, per ASTM E 84

1. Manufacturers: Requests for manufacturer substitutions prior to bidding will be reviewed and responded to in conformance with Division 1 requirements. Subject to compliance with requirements, provide products by one of the following manufacturers or manufacturer pre-approved during bidding:

- a. DiversiFoam Products.
- b. Dow Chemical company (The)
- c. Owens Corning.
- d. Pactiv Building Products.

2. Type IV, 25 psi (173 kPa)

ADD 2-13. Refer to Section 334600 "Subdrainage".

Question: *It appears there is a specification page missing for Subdrainage. Spec only reads to Section 3.4. Is this correct?*

Response: Section should have pages numbered from 1-4. If your specification manual does not include these pages, email Tony Jarecki with Hampton at Tjarecki@hampton1.com and he will send you the pages.

ADD 2-14. Sheet A000, Note 1:

Statement: *We are presuming Note 1 on A000 is referring to interior piping only in regard to placement.*

Response: Correct.

ADD 2-15. Detail A12/A000:

Question: *Detail A12/A000 shows the drain tile away from the wall and footing. Can you confirm the drain tile is to be above the footing rather than as shown in this detail?*

Response: Drain tile should be above the footing.

MODIFICATIONS TO THE ADDENDUMS

ADD 2-16. Item ADD 1-9 clarified that the slab drainage should provide “positive drainage”. After further consultation with the Geotechnical Engineer, it is our understanding that it is acceptable for the sub-drainage to generally be flat. Any moisture entering the system should find its way to the sump pit.

MODIFICATIONS TO THE SPECIFICATIONS

ADD 2-17. Refer to Section 000000-C “Bid Form”; Replace with the attached bid form.

ADD 2-18. Refer to Section 000000-L “Safety”; This section has been added to the construction documents and is attached as part of this addendum.

ADD 2-19. Refer to Section 011000-D, “Summary 04D – Moisture Protection and Drainage”, Paragraph 1.2.E.1; Add the following:

- f. Provide an 18” diameter by 36” deep fiberglass basin sump pit connected to the perimeter and underslab drain tile system shown on A000.

ADD 2-20. Refer to Section 033000 “Cast-in-Place Concrete”, Paragraph 3.1.C. Remove this paragraph and its sub-paragraphs in their entirety.

ADD 2-21. Refer to Section 071326 “Self-Adhering Sheet Waterproofing”. Remove this section in its entirety.

ADD 2-22. Refer to Section 071416 “Cold Fluid-Applied Waterproofing”. This section has been added to the construction documents and is attached as part of this addendum.

MODIFICATIONS TO THE DRAWINGS

ADD 2-23. Refer to Sheet 1 of 2 “Public Paving Plan”. This sheet has been revised. A new sheet has been issued as part of this addendum.

ADD 2-24. Refer to Sheet C100. This sheet has been revised. A new sheet has been issued as part of this addendum.

ADD 2-25. Refer to Sheet C200. This sheet has been revised. A new sheet has been issued as part of this addendum.

ADD 2-26. Refer to Sheet C202. This sheet has been revised. A new sheet has been issued as part of this addendum.

ADD 2-27. Refer to Sheet A000, Sheet Specific Note 1. Eliminate the second sentence from this paragraph.

...DRAINAGE SYSTEM. ~~SYSTEM TO PROVIDE POSITIVE DRAINAGE TO SUMPS.~~ AS INDICATED IN GEOTECHNICAL REPORT,...

ADD 2-28. Refer to Sheet A000; Refer to **Attachment A1** for revisions to location of sump pump and tile system. Note that a connection has been shown between the exterior perimeter pipe and the sump pump. Footing at this location should already be lowered to permit passage of drain tile to the sump pump.

ADD 2-29. Refer to Sheet A000, Keynotes 071326.A, 071326.B and 071326.C. Make the following modifications to the keynotes listed:

071326.A to be changed to:

071416.A SINGLE-COMPONENT, POLYURETHANE WATERPROOFING SYSTEM

071326.B to be changed to:

071416.B NOT USED

071326.C to be changed to:

071416.C 2" THICK, UNFACED WALL-INSULATION DRAINAGE PANEL

ADD 2-30. Refer to Sheet S101; The following revisions shall be noted:

- a. Refer to Sketch aS-10 for addition of footings and walls around loading dock and ramp at the southwest corner of the building.
- b. Refer to Sketch aS-11 for clarification of grade beam sizes and reinforcing along Grids A and 14.
- c. Refer to Sketches aS-12 and aS-13 for details at loading dock and ramp.

End of Addendum #2, Bid Package #6929-04



March 16, 2012

PROJECT: **Lincoln Public Schools – District Office Building (BP #6929-04)**
5901 O Street, Lincoln, NE
Lincoln, Nebraska

RE: Pre-Bid Meeting

- 1) Introduction to Project Team.
- 2) Description of Work.
 - a. Surveying, Footings & Foundations, Reinforcing Material, Moisture Protection & Drainage, Auger Cast Piles, Wellfield, Concrete Paving, Concrete Paving Joint Sealants, Pavement Markings, Site Utilities, and Executive Order Work.
- 3) Questions prior to Bid need to be directed to:
 - a. Tony Jarecki, Project Manager at (402)489-8858 or TJarecki@hampton1.com.
- 4) Project Schedule:
 - a. Bid Date: **March 22, 2012 at 2:00pm**
 - b. A timeline will be included in ADDM 02.
- 5) Plans and Specification are available through:
 - a. A & D Technical Supply (Lincoln or Omaha locations).
 - b. Lincoln Builders Bureau.
 - c. Omaha Builders Exchange/Construction Update Plan Network.
- 6) Addenda:
 - a. Addendum #1 has been issued.
 - b. Addendum #2 will be posted once established (Today or Monday).
- 7) Submit bid to:
 - a. LPS Facilities and Maintenance Office
800 South 24th Street
Lincoln, Nebraska 68510
Bids will be open to the public
- 8) All Bids will be need to include a scope of work. All bids need to include the entire scope of work in the price. **All bids must include a 5% Bid Bond.** Each contractor is also responsible for their own performance bond.
- 9) Questions/Answers

LPS District Office (Bid Package #6929-04)

Pre-Bid Meeting Attendees

9:00am, March 16, 2012 @ LPS Facilities & Maintenance Office



Name	Company	Phone	Email
1 Tony Jarecki	Hampton Commercial Construction, Inc.	402-489-8858	Tjarecki@hampton1.com
2 Terry Zimmerman	Hampton Commercial Construction, Inc.	402-489-8858	Tzimmerman@hampton1.com
3 Robert Wittler	Ayars i Ayars, Inc.	402-435-8600	rwittler@ayarsayars.com
4 John Huffer	Ayars & Ayars	402-429-7127	jhuffer@ayarsayars.com
5 Tom Busboom	Beatrice Concrete	402-239-5973	tom.busboom@yahoo.com
6 Josh Weebly	Chever Construction	402-477-6745	jweebly@cheverconstruction.com
7 Tim Donker	"	"	tjdonker@cheverconstruction.com
8 Andy Malson	HEP Inc.	402-423-4800	andy.hep@cuebrm.com
9 Sheryl Johnson	Sampson Construction	402-434-3934	Sheryl.Johnson@Sampson-Construction.com
10 DAVID QUADE	SINGAIR HILF	402-476-7331	dquade@singairhille.com
11 MIKE EISENBARTH	R. D. Younger, Inc.	402-477-7640	mike@royruker.com
12 TIM LOSERKE	LPS	402-436-1012	TLOSERKE@LPS.ORG
13 DAVIS JANKEN	LPS	402-436-1757	djanken@lps.org
14 Allison Rye	LPS	402-436-1752	arye@lps.org
15 Biley Petersen	Stephens & Smith	402-982-0633	rpetersen@stephensandsmith.com
16 Gary Abert	Stephens & Smith	402-525-8780	gabert@stephensandsmith.com
17 Randy Williams	Laffner Carpenter Inc.	402-786-3320	RWilliams@laffcarp.com
18 Veronica Arriaga	RW Concrete Construction	402-875-2583	rw.concrete.construction@ymail.com
19 Lance Paulsen	KZ Construction	402-467-2355	lpaulsen@kz.construction.biz
20 ALAN FERGUSON	WCC		

21				
22	Randy McDonald	General Excavating	(402) 467-1627	r.mcdonald@generalexexcavating.com
23	Walter Bergbomsson	ALLEN SURVEYING	402-466-4366	ALLENsurveying@NOR.RR.COM
24	MARK STREIT	ALLEN SURVEYING	402-466-4366	MASTREIT@GMAIL.COM
25	Steve Samuelson	Constructors, Inc	434-1764	steves@constructorsincdn.com
26	Jerry Kamtz	Olsson Associates	458-5637	JKamtz@OAConsulting.com
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SCALE: 1/4" = 1'-0"

PHASE I BOUNDARY LINE

W STREET

PERMANENT LOCATION FROM TO START OF DEMOLITION

DEMOLITION & GRADING PHASING PLAN

PHASE II BOUNDARY LINE

PHASE III BOUNDARY LINE

LYNDREST DR.

PHASE II AREA

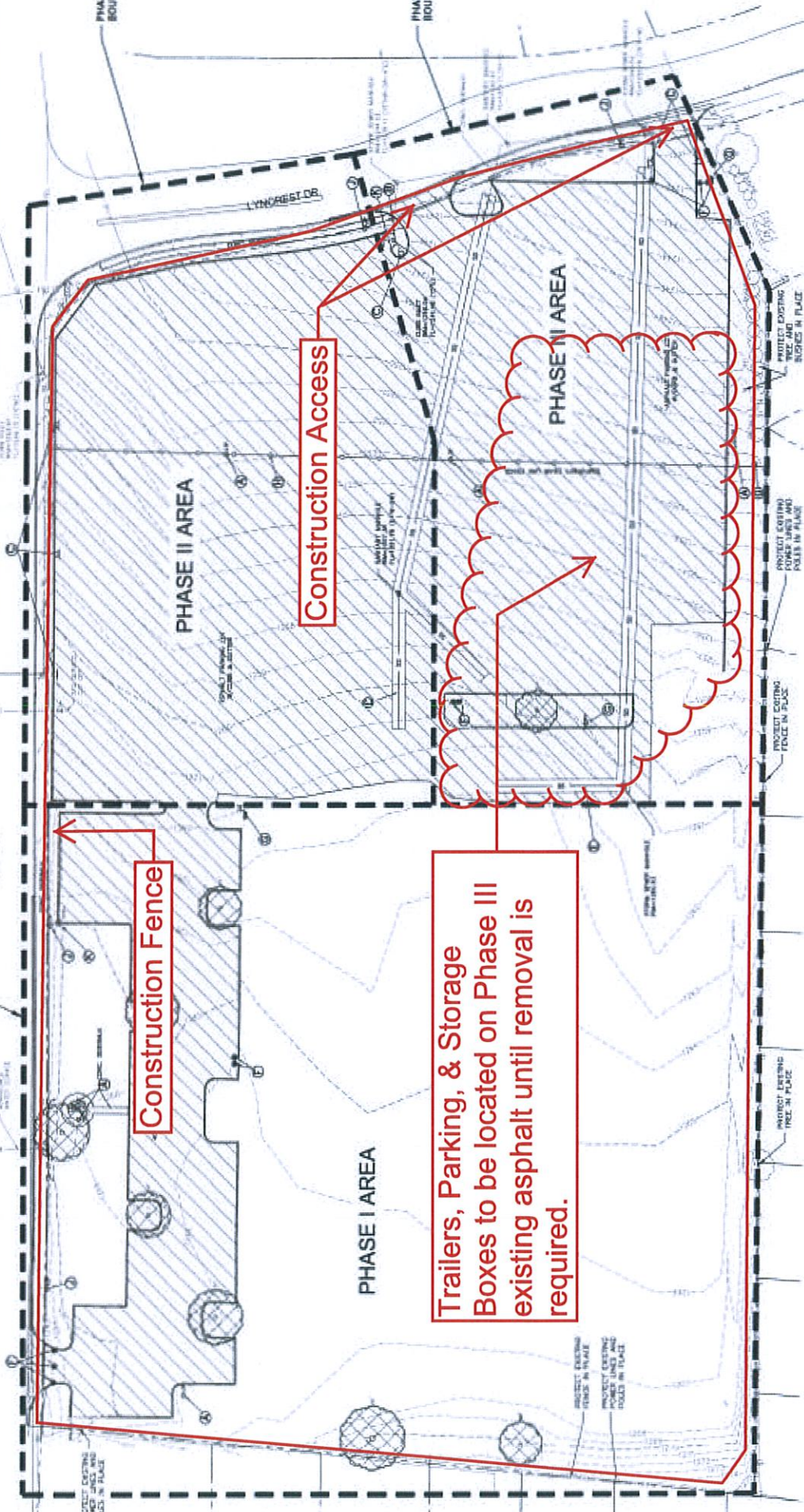
PHASE III AREA

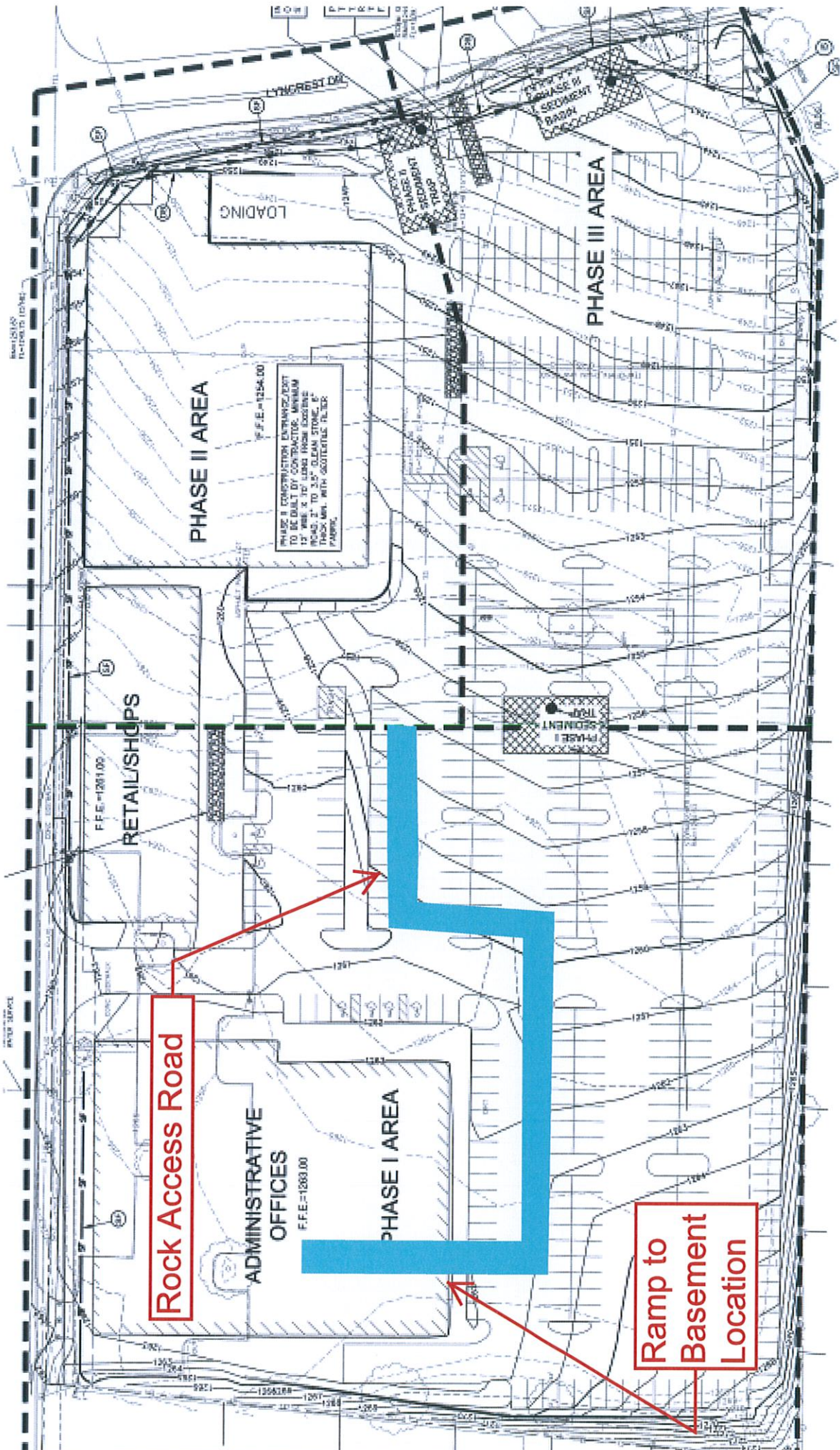
Construction Access

Construction Fence

PHASE I AREA

Trailers, Parking, & Storage Boxes to be located on Phase III existing asphalt until removal is required.





Rock Access Road

Ramp to
Basement
Location

Preliminary Schedule for Contractors

#6929-04

Tasks	Estimated Start Date	Estimated Completion Date
Basement Excavation	18-Apr	24-Apr
Stake & Layout	25-Apr	27-Apr
Fab & Deliver Rebar Phase 1	19-Apr	30-Apr
Fab & Deliver Rebar Phase 2	1-May	14-May
Basement Footings & Walls Phase 1 (North Wall)	30-Apr	25-May
Basement Footings & Walls Phase 2 (Excluding Ramp Area)	28-May	13-Jul
Waterproofing, Drain Tile & Shore Walls	4-Jun	8-Jun
Backfill North Wall	11-Jun	15-Jun
Auger Cast Piles	18-Jun	22-Jun
Building Footings & Grade Beams (North of Basement)	25-Jun	29-Jun
Building Footings & Grade Beams Phase 2	2-Jul	13-Jul
Geothermal Wells (Start Date)	25-Apr	
Fab & Deliver Precast Concrete Phase 1	28-May	3-Jul
Precast Erection (Start Date)	5-Jul	

[]	#6929-04I – Pavement Markings	\$ _____
[]	#6929-04J – Site Utilities	\$ _____
[]	#6929-04K – Executive Order Work	\$ _____

The undersigned also agrees to receipt and has included the following addenda in the Bid:

Addendum No. _____ Dated _____
 Addendum No. _____ Dated _____
 Addendum No. _____ Dated _____

BID BOND

_____ **The required 5% Bid Bond payable to Lincoln Public School is included in this proposal.**

The following Fees for Changes in Work shall include all lump sum pricing and actual cost pricing on additions or deletions to Work included in the Bid. The Fees shall include all supervision, general requirements, overhead and profit and shall not exceed the following:

Contractor – Performed by Own Forces	10%
Contractor – Performed by Other Forces	5%
Contractor’s Subcontractor or Material Supplier – Performed by Subcontractor’s Subcontractor or Material Supplier Own Forces	10%
Subcontractor’s Subcontractor or Material Supplier – Performed by Other Forces than Subcontractor’s Subcontractor or Material Supplier	5%

The undersigned Bidder agrees to the following, if awarded the Contract:

1. Commencement of Work shall be within seven (7) calendar days after “Notice to Proceed”, unless otherwise established in notice.
2. Shop Drawing Submittals shall be submitted to the Construction Manager within fourteen (14) calendar days after “Notice to Proceed”, unless otherwise established in notice.
3. Substantial Completion of Work shall be in accordance with the Construction Managers’ schedule, whether the Work is to be prepared for the following Contractor’s Work or for Final Inspection and acceptance by Owner.
4. The Contractor shall be liable for actual damages for any and all delays in the completion of the Contract Work.
5. The Contract Documents have been carefully examined and the stated Bid amount is correct and no errors have occurred in calculating the amount, and the Bidder shall agree to make no claim for modification or correction to Bid after scheduled Bid time.
6. The Bid shall not be withdrawn or altered for a period of sixty (60) calendar days after scheduled date for submission of Bids.
7. Each Bidder certifies the Bid was delivered without consultation, communication or agreement as to any and all matters relating to the Bid with any other Bidder or competitor.

8. The Owner shall reserve the right to waive informalities and to reject any or all Bids.

The undersigned Bidder agrees to these requirements and will execute an agreement with the Owner on the Standard Form of Agreement Between Owner, Construction Manager & Subcontractor.

DATED THIS _____ DAY OF _____, 2012.

Name of Bidder

Name and Title of Authorized Officer

Signature of Authorized Officer

SECTION 000000-L – SAFETY**PART 1 - GENERAL**

1.1 RELATED DOCUMENTS

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

1.2 WORK COVERED BY CONTRACT DOCUMENTS

- A. Project Identification: Lincoln Public Schools – District Office
 - 1. Project Location: 5901 “O” Street, Lincoln, NE 68501
- B. Owner: Lincoln Public Schools, 5901 ‘O’ Street, Lincoln, NE 68501
- C. Architect: Drawings have been prepared by Sinclair Hille Architects, 700 ‘Q’ Street, Lincoln, NE 68508
- D. Construction Manager: Hampton Commercial Construction, Inc., 3701 Union Drive, Suite 100 – Lincoln, NE 68516

1.3 Safety Requirements

- A. Contractor must implement all required plans, procedures, and personal protective equipment as required by OSHA Standards for the purpose of eliminating accidents and injuries at the Project with addition to the following:
 - 1. 100% Hard Hats at all times.
 - 2. 100% High-Visibility Vest at all times.
 - a. Color: Lime.
 - 3. Safety Toe Boots, if such protective equipment is require for the task performed.
 - 4. Minimum attire is long pants, short-sleeved t-shirt, and sturdy work shoes.
 - a. Sneakers, shorts, and tank tops are not permitted.
 - 5. Contractors shall install and maintain the required protection of all penetrations in floors and roofs as related to the completion of the Work of the Contractor.
 - 6. Restoration shall occur immediately upon completion of its work, any time the fall hazard is to be left unsupervised at the end of each work day.
 - 7. Contractor shall support and participate in Hampton’s weekly planning meeting.
 - 8. Drug and alcohol-free workplace.
 - a. In order to achieve a drug- and alcohol-free workplace, Contractor’s employees shall not perform the Work or be present at the Project-site while under the influence of alcohol or an intoxicating substance. Contractor’s employees shall not bring to the Project any drugs and alcohol.
 - 9. Use of Equipment
 - a. Contractor shall permit only those of its employees qualified by training or experience to operate equipment and machinery. Contractor must train each of its affected employees in the manner required by applicable law and regulation.

END OF SECTION 000000-L

SECTION 071416 - COLD FLUID-APPLIED WATERPROOFING

PART 1 - GENERAL

1.1 RELATED DOCUMENTS

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

1.2 SUMMARY

- A. Section Includes:
 - 1. Single-component polyurethane waterproofing.
 - 2. Insulation.
- B. Related Section:
 - 1. Section 079200 "Joint Sealants" for joint-sealant materials and installation.

1.3 ACTION SUBMITTALS

- A. Shop Drawings: Show locations and extent of waterproofing. Include details for substrate joints and cracks, sheet flashings, penetrations, inside and outside corners, tie-ins with adjoining waterproofing, and other termination conditions.

1.4 INFORMATIONAL SUBMITTALS

- A. Warranty: Sample of special warranty.

1.5 QUALITY ASSURANCE

- A. Installer Qualifications: A firm that is approved or licensed by waterproofing manufacturer for installation of waterproofing required for this Project.
- B. Source Limitations: Obtain waterproofing materials from single source from single manufacturer.
- C. Mockups: Before beginning installation, install waterproofing to 100 sq. ft. (9.3 sq.m)of wall to demonstrate surface preparation, crack and joint treatment, corner treatment, thickness, texture, and execution quality.
 - 1. If Architect determines mockups do not comply with requirements, reapply waterproofing until mockups are approved.
 - 2. Approval of mockups does not constitute approval of deviations from the Contract Documents contained in mockups unless Architect specifically approves such deviations in writing.

1.6 DELIVERY, STORAGE, AND HANDLING

- A. Deliver liquid materials to Project site in original containers with seals unbroken, labeled with manufacturer's name, product brand name and type, date of manufacture, shelf life, and directions for storing and mixing with other components.
- B. Store liquid materials in their original undamaged containers in a clean, dry, protected location and within the temperature range required by waterproofing manufacturer.
- C. Remove and replace liquid materials that cannot be applied within their stated shelf life.
- D. Protect stored materials from direct sunlight.

1.7 PROJECT CONDITIONS

- A. Environmental Limitations: Apply waterproofing within the range of ambient and substrate temperatures recommended by waterproofing manufacturer. Do not apply waterproofing to a damp or wet substrate, when relative humidity exceeds 85 percent, or when temperatures are less than 5 deg F (3 deg C) above dew point.
 - 1. Do not apply waterproofing in snow, rain, fog or mist, or when such weather conditions are imminent during application and curing period.
- B. Maintain adequate ventilation during application and curing of waterproofing materials.

1.8 WARRANTY

- A. Special Manufacturer's Warranty: Manufacturer's standard form in which waterproofing manufacturer and Installer agree to repair or replace waterproofing that does not comply with requirements or that fails to remain watertight within specified warranty period.
 - 1. Warranty does not include failure of waterproofing due to failure of substrate prepared and treated according to requirements or formation of new joints and cracks in substrate that exceed 1/16 inch (1.6 mm) in width.
 - 2. Warranty Period: Five years from date of Substantial Completion.

PART 2 - PRODUCTS

2.1 SINGLE-COMPONENT POLYURETHANE WATERPROOFING

- A. Single-Component, Modified Polyurethane Waterproofing: Comply with ASTM C 836 and with manufacturer's written physical requirements.
 - 1. Products: Requests for product substitutions prior to bidding will be reviewed and responded to in conformance with Division 1 requirements. Subject to compliance with requirements, provide one of the following or comparable product pre-approved during bidding:
 - a. Carlisle Coatings & Waterproofing Inc.; CCW-525.
 - b. CETCO; LDC 60.
 - c. Degussa Building Systems; HLM 5000.
 - d. Mer-Kote Products, Inc.; Mer-Thane 320.
 - e. Tremco Incorporated; Tremproof 250GC.

2.2 AUXILIARY MATERIALS

- A. General: Provide auxiliary materials recommended by manufacturer to be compatible with one another and with waterproofing, as demonstrated by waterproofing manufacturer, based on testing and field experience.
- B. Primer: Manufacturer's standard, factory-formulated polyurethane or epoxy primer.
- C. Sheet Flashing: 50-mil- (1.3-mm-) minimum, nonstaining, uncured sheet neoprene.
 - 1. Adhesive: Manufacturer's recommended contact adhesive.
- D. Joint Reinforcing Strip: Manufacturer's recommended fiberglass mesh or polyester fabric.
- E. Joint Sealant: Multicomponent polyurethane sealant, compatible with waterproofing, complying with ASTM C 920 Type M, Class 25; Grade NS for sloping and vertical applications or Grade P for deck applications; Use NT exposure; and as recommended by manufacturer for substrate and joint conditions.
 - 1. Backer Rod: Closed-cell polyethylene foam.

2.3 INSULATION DRAINAGE PANELS

- A. Unfaced Wall-Insulation Drainage Panels: Extruded-polystyrene board insulation complying with ASTM C 578, Type IV, 25-psi (173-kPa) minimum compressive strength; unfaced; fabricated with shiplap or channel edges and with one side having grooved drainage channels.
 - 1. Products: Requests for product substitutions prior to bidding will be reviewed and responded to in conformance with Division 1 requirements. Subject to compliance with requirements, provide one of the following or comparable product pre-approved during bidding:
 - a. DiversiFoam Products; CertiFoam 25 SL (with channel edges) Drainage Board.
 - b. Dow Chemical Company (The); Styrofoam Perimate.

PART 3 - EXECUTION

3.1 EXAMINATION

- A. Examine substrates, areas, and conditions, with Installer present, for compliance with requirements and other conditions affecting performance.
 - 1. Verify that concrete has cured and aged for minimum time period recommended by waterproofing manufacturer.
 - 2. Verify that substrate is visibly dry and free of moisture. Test for capillary moisture by plastic sheet method according to ASTM D 4263.
 - 3. Proceed with installation only after unsatisfactory conditions have been corrected.

3.2 SURFACE PREPARATION

- A. Clean and prepare substrate according to manufacturer's written recommendations. Provide clean, dust-free, and dry substrate for waterproofing application.
- B. Mask off adjoining surfaces not receiving waterproofing to prevent spillage or overspray affecting other construction.

- C. Remove grease, oil, bitumen, form-release agents, paints, curing compounds, acid residues, and other penetrating contaminants or film-forming coatings from concrete.
- D. Remove fins, ridges, and other projections and fill honeycomb, aggregate pockets, and other voids.

3.3 PREPARATION AT TERMINATIONS AND PENETRATIONS

- A. Prepare vertical and horizontal surfaces at terminations and penetrations through waterproofing and at expansion joints, drains, and sleeves according to ASTM C 1471 and manufacturer's written instructions.
- B. Prime substrate unless otherwise instructed by waterproofing manufacturer.
- C. Apply waterproofing in two separate applications, and embed a joint reinforcing strip in the first preparation coat when recommended by waterproofing manufacturer.
 - 1. Provide sealant cants around penetrations and at inside corners of deck-to-wall butt joints when recommended by waterproofing manufacturer.

3.4 JOINT AND CRACK TREATMENT

- A. Prepare, treat, rout, and fill joints and cracks in substrate according to ASTM C 1471 and waterproofing manufacturer's written instructions. Remove dust and dirt from joints and cracks, complying with ASTM D 4258, before coating surfaces.
 - 1. Comply with ASTM C 1193 for joint-sealant installation.
 - 2. Apply bond breaker between sealant and preparation strip.
 - 3. Prime substrate and apply a single thickness of preparation strip extending a minimum of 3 inches (75 mm) along each side of joint. Apply waterproofing in two separate applications and embed a joint reinforcing strip in the first preparation coat.
- B. Install sheet flashing and bond to deck and wall substrates where indicated or required according to waterproofing manufacturer's written instructions.
 - 1. Extend sheet flashings onto perpendicular surfaces and other work penetrating substrate according to ASTM C 898.

3.5 WATERPROOFING APPLICATION

- A. Apply waterproofing according to ASTM C 1471 and manufacturer's written instructions.
- B. Start installing waterproofing in presence of manufacturer's technical representative.
- C. Apply primer over prepared substrate.
- D. Unreinforced Waterproofing Applications: Mix materials and apply waterproofing by spray, roller, notched squeegee, trowel, or other application method suitable to slope of substrate.
 - 1. Apply one or more coats of waterproofing to obtain a seamless membrane free of entrapped gases, with an average dry film thickness of 60 mils (1.5 mm) and a minimum dry film thickness of 50 mils (1.3 mm) at any point.
 - 2. Apply waterproofing to prepared wall terminations and vertical surfaces.
 - 3. Verify wet film thickness of waterproofing every 100 sq. ft. (9.3 sq. m).

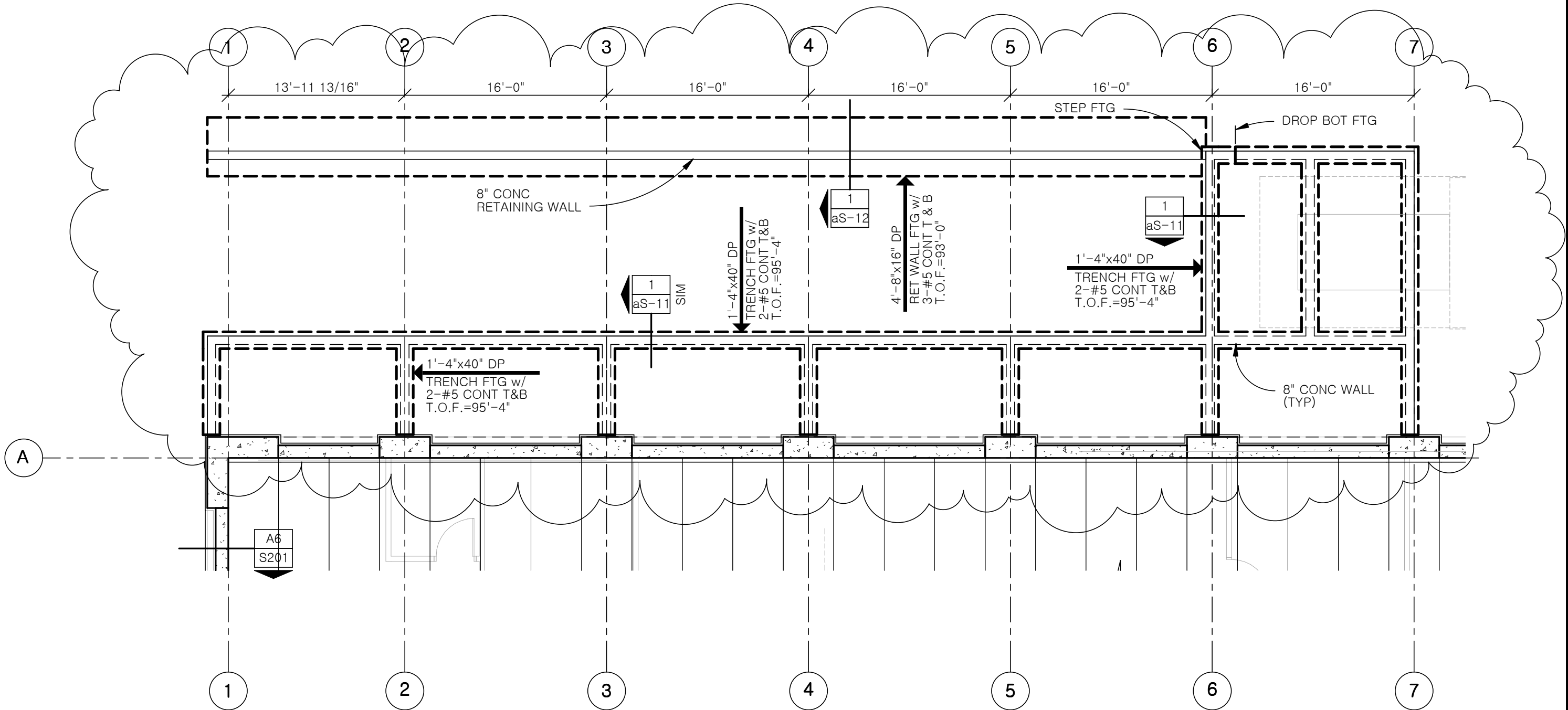
3.6 INSULATION INSTALLATION

- A. Install insulation drainage panels over waterproofed surfaces. Cut and fit to within 3/4 inch (19 mm) of projections and penetrations.
- B. Ensure that drainage channels are aligned and free of obstructions.
- C. On vertical surfaces, set insulation units in adhesive applied according to manufacturer's written instructions. Use type of adhesive recommended in writing by insulation manufacturer.

3.7 CURING, PROTECTION, AND CLEANING

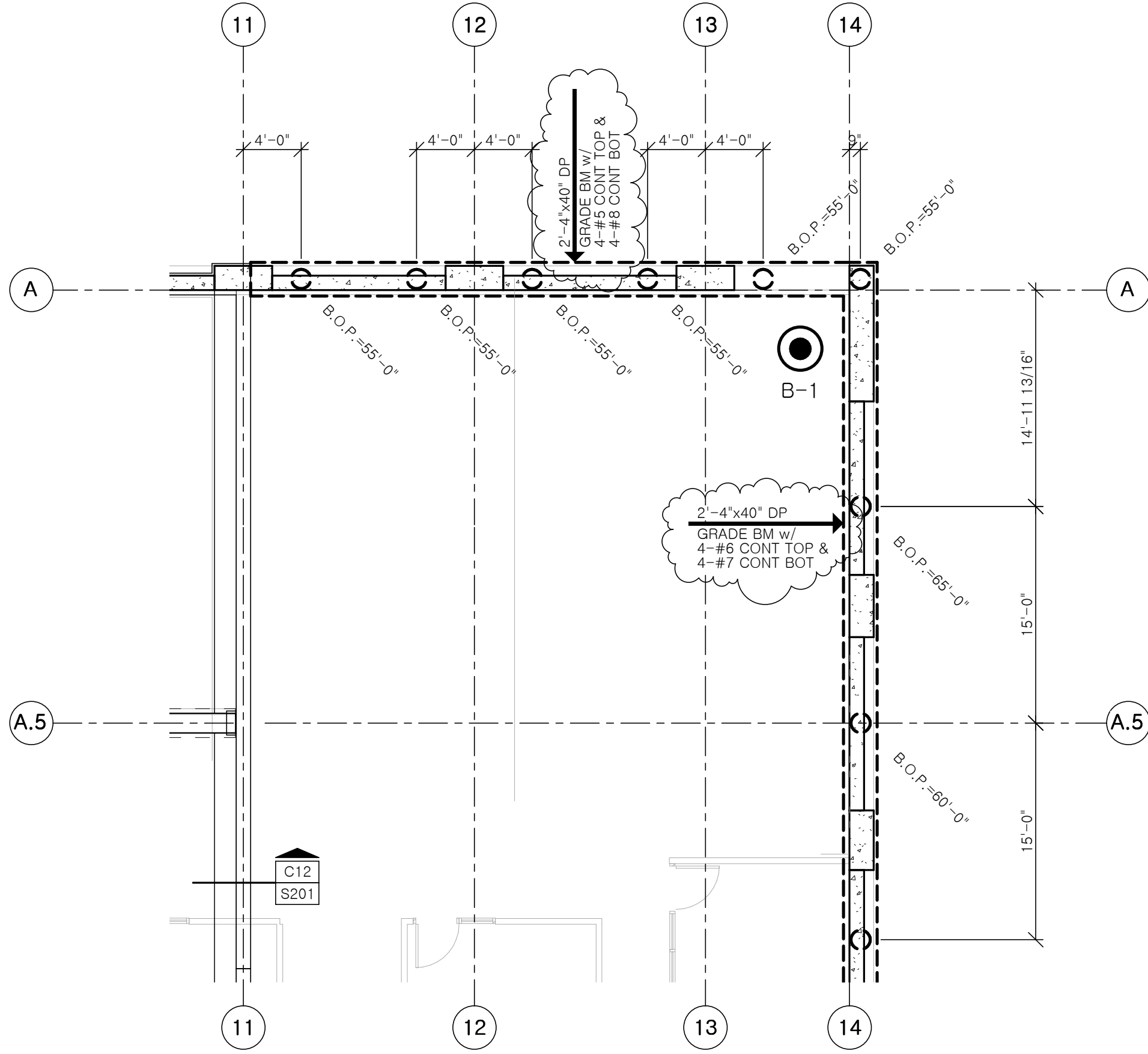
- A. Cure waterproofing according to manufacturer's written recommendations, taking care to prevent contamination and damage during application stages and curing.
- B. Protect waterproofing from damage and wear during remainder of construction period.
- C. Protect installed insulation drainage panels from damage due to ultraviolet light, harmful weather exposures, physical abuse, and other causes. Immediately after installation, provide temporary coverings where insulation will be subject to abuse and cannot be concealed and protected by permanent construction.
- D. Clean spillage and soiling from adjacent construction using cleaning agents and procedures recommended by manufacturer of affected construction.

END OF SECTION 071416

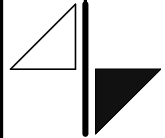


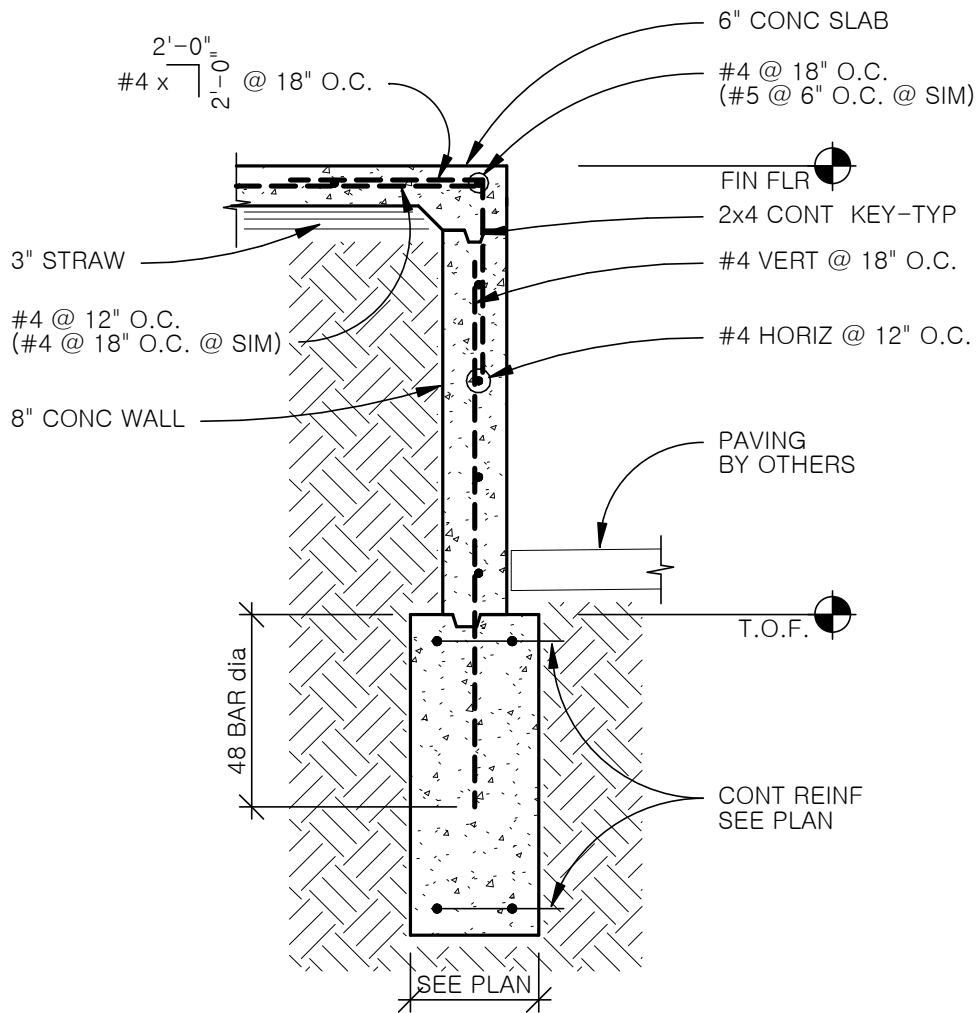
PARTIAL REVISED MAIN FLOOR FOUNDATION AND FRAMING PLAN

R. O. YOUKER, INC. CONSULTING ENGINEERS <small>1201 O STREET SUITE 310 LINCOLN, NEBRASKA 68508 402-477-7640</small>	LPS District Office Building		aS-10
	Engr Project No. 11092 SCALE: 1/8" = 1'-0"	Date: 03/16/12 Drawn By: rmwo	SINCLAIR HILLE ARCHITECTS 700 Q St. Lincoln, NE 68508




PARTIAL REVISED MAIN FLOOR FOUNDATION PLAN

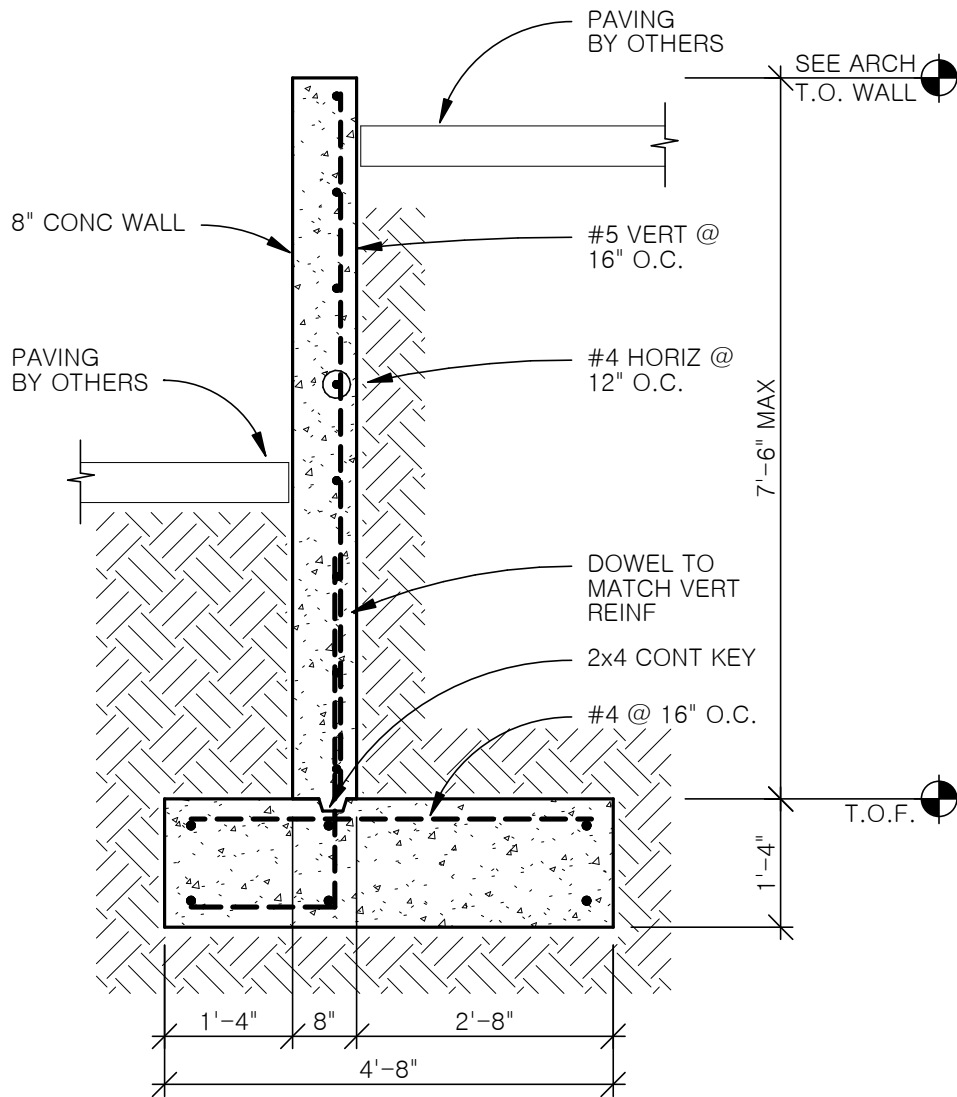
 <p>R. O. YOUKER, INC. CONSULTING ENGINEERS 1201 O STREET SUITE 310 LINCOLN, NEBRASKA 68508 402-477-7640</p>	<p>LPS District Office Building</p>		<p>aS-11</p>
	<p>Engr Project No. 11092 SCALE: 1/8" = 1'-0"</p>	<p>Date: 03/19/12 Drawn By: mwo</p>	<p>SINCLAIR HILLE ARCHITECTS 700 Q St. Lincoln, NE 68508 Ref Sht: S101</p>



SECTION THRU DOCK WALL

LPS District Office Building

 <p>R. O. YOUKER, INC. CONSULTING ENGINEERS</p> <p>1201 O STREET SUITE 310 LINCOLN, NEBRASKA 68508 402-477-7640</p>	<p>SINCLAIR HILLE ARCHITECTS 700 Q St. Lincoln, NE 68508</p>		<p>aS-12</p>	
	<p>Engr Project No. 11092</p>	<p>Date: 03/19/12</p>		<p>Ref Sht: aS-10</p>
	<p>Scale: 1/2" = 1'-0"</p>	<p>Drawn By: mwo</p>		



SECTION THRU RETAINING WALL

LPS District Office Building



R. O. YOUKER, INC.
CONSULTING ENGINEERS

1201 O STREET SUITE 310 LINCOLN, NEBRASKA 68508 402-477-7640

SINCLAIR HILLE ARCHITECTS

700 Q St. Lincoln, NE 68508

Engr Project No. 11092

Date: 03/19/12

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

Drawn By: mwo

aS-13

Ref Sht: aS-10