

**CITY OF LA VISTA  
MAYOR AND CITY COUNCIL REPORT  
OCTOBER 15, 2024 AGENDA**

<b>Subject:</b>	<b>Type:</b>	<b>Submitted By:</b>
APPROVE PLANS AND SPECIFICATIONS SID 276 – PORTAL RIDGE BANK STABILIZATION NORTH & SOUTH	◆ RESOLUTION ORDINANCE RECEIVE/FILE	PAT DOWSE CITY ENGINEER

**SYNOPSIS**

A resolution has been prepared to authorize approval of plans and specifications for the Portal Ridge Bank Stabilization North and South, designed by E&A Consulting Group Incorporated, SID 276 Engineer.

**FISCAL IMPACT**

The low bid of \$508,233.12 will be financed by SID #276 (Portal Ridge) along with the engineering, legal, and financing fees in addition to the construction costs, result in a total project cost of \$715,000.000. Portal Ridge is anticipated to be annexed in a 5 - 10 year timeline.

**RECOMMENDATION**

Approval of Plans and Specifications.

Approval of Contract Between SID 276 and General Excavating, LLC in the amount of \$508, 233.12

**BACKGROUND**

SID 276 Engineer E&A Consulting Group, has produced plans and specifications for channel bank stabilization along the Applewood Creek using steel sheet pile at (2) two locations, generally referred to as the North and South locations in the plans. Bids were taken on August 5<sup>th</sup>, 2024, to which seven (7) bids were received. The low bid for North and South portions of the project is from General Excavating, LLC of Lincoln, NE with a base bid of \$508,233.12.

The Subdivision Agreement provides for an administrative fee of 2% to be collected on the actual construction cost of public improvements. Fees are to be collected at the time of project acceptance by the SID.

**RESOLUTION NO. \_\_\_\_\_**

A RESOLUTION OF THE MAYOR AND CITY COUNCIL OF THE CITY OF LA VISTA, NEBRASKA AUTHORIZING THE APPROVAL OF THE PLANS AND SPECIFICATIONS FOR THE PORTAL RIDGE BANK STABILIZATION NORTH AND SOUTH.

WHEREAS, Sanitary Improvement District No. 276 of Sarpy County ("District"), Portal Ridge and the City of La Vista ("City") entered into a Subdivision Agreement concerning public improvements within the zoning jurisdiction of the City ("Subdivision Agreement"); and

WHEREAS, District has presented to the City for approval of plans and specifications to construct certain improvements; and

WHEREAS, said plans and specifications were prepared by E & A Consulting Group and reviewed by the City Engineer who has certified to the City that said plans and specifications are in accordance with the Subdivision Agreement and all of the applicable ordinances, policies and regulations of the City and that improvements constructed pursuant to such plans will be adequate for their intended purpose; and

WHEREAS, The La Vista Public Works Department has been presented the plans for review.

NOW, THEREFORE BE IT RESOLVED, that the Mayor and City Council of La Vista, Nebraska does hereby approve the plans and specifications for construction of the Portal Ridge Bank Stabilization North and South, copies of which have been filed with the City Clerk, approved by the City Engineer.

BE IT FURTHER RESOLVED, that the City Council does hereby approve the execution of a contract by the District for said improvements with General Excavation in the amount of \$508,233.12.

BE IT FURTHER RESOLVED, that the approval herein given is conditioned upon District, prior to its granting authorization of commencement of construction, shall meet the conditions stated above.

PASSED AND APPROVED THIS 15TH DAY OF OCTOBER 2024.

CITY OF LA VISTA

ATTEST:

\_\_\_\_\_  
Douglas Kindig, Mayor

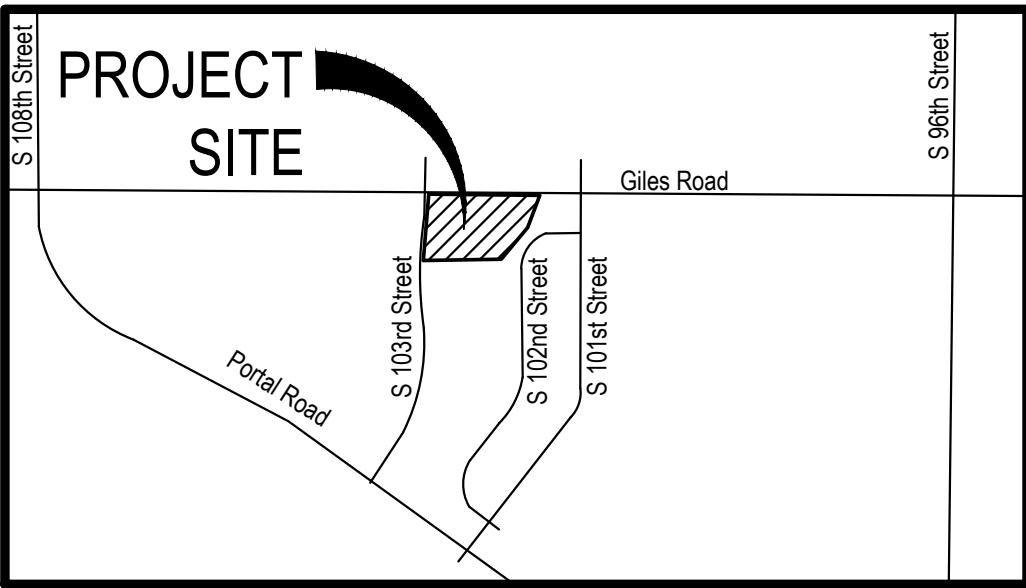
\_\_\_\_\_  
Pamela A. Buethe, MMC  
City Clerk



# PORTAL RIDGE

## BANK STABILIZATION - NORTH

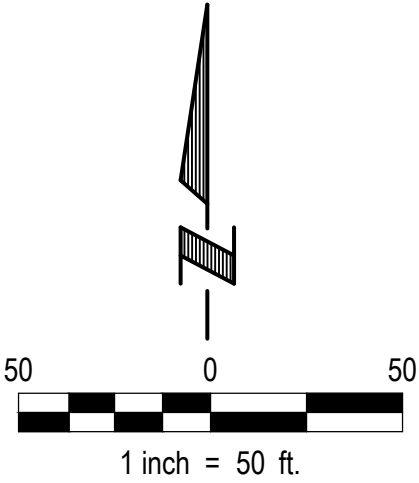
Located in the NORTH 1/2 of Section 21, Township 14, Range 12 EAST, of the 6th P.M.  
SID NO. 276  
SARPY COUNTY, NEBRASKA



VICINITY MAP

### APPROXIMATE BID QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION/DEMOBILIZATION	1	LS
2	MAINTAIN TRAFFIC CONTROL	1	LS
3	INSTALL CURB INLET PROTECTION	2	EA
4	CLEARING AND GRUBBING - GENERAL	1	LS
5	CLEARING AND GRUBBING - TREES OVER 9" TO 18" DIAMETER	1	EA
6	REMOVE EXISTING CONCRETE SIDEWALK	100	SF
7	REMOVE TOPSOIL	100	SY
8	CONSTRUCT SHEET PILE	2270	SF
9	CONSTRUCT 2" PERFORATED UNDERDRAIN PIPE	100	LF
10	CONSTRUCT 4" PCC SIDEWALK	100	SF
11	REPAIR CURB AND GUTTER	15	LF
12	PLACE TOPSOIL	120	SY
13	INSTALL SEEDING - TYPE 'CHANNEL SEED BLEND'	160	SY
14	INSTALL ROLLED EROSION CONTROL - TYPE I	160	SY
15	INSTALL SODDING	290	SY
16	INSTALL SWAMP WHITE OAK PLANT MATERIAL	1	EA
17	INSTALL COLORADO BLUE SPRUCE PLANT MATERIAL	2	EA



### INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER
2	NOTES
3	ACCESS
4	SITE PLAN AND CROSS SECTIONS
5	DETAILS
6	SITE RESTORATION
7	SITE RESTORATION NOTES
8	LANDSCAPE PLAN

### PROJECT INFORMATION

<input checked="" type="checkbox"/> Project Number Assigned by PWD	<input checked="" type="checkbox"/> Grading Permit Project Number Assigned by PWD	276	TBD	TBD
Portal Ridge Bank Stabilization - North		Portal Ridge		
S. 102nd St. and Giles Road		LaVista	Nebraska	68128
<input checked="" type="checkbox"/> City Council Resolution Number Granting Project Approval		<input checked="" type="checkbox"/> City Council Ordinance Number Granting Project Approval	<input checked="" type="checkbox"/> City Council Resolution/Ordinance Approval Date	

### PROJECT DESCRIPTION

#### APPLICANT

SID #276  
Steven Slezak, Chairman  
11440 West Center Road, Ste. C  
Omaha, NE 68144  
P: 402.334.0700  
F: 402.334.0815  
mjohnson@fdjlaw.com

#### DESIGNER

E & A Consulting Group, Inc  
Travis A. Figard, P.E.  
10909 Mill Valley Road, Suite 100  
Omaha, NE 68154  
P: 402.895.4700  
F: 402.895.3599  
tfigard@eacg.com

#### INSPECTOR

E & A Consulting Group, Inc  
Randall L. Pierce, P.E.  
10909 Mill Valley Road, Suite 100  
Omaha, NE 68154  
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F: 402.895.3599  
rpierce@eacg.com

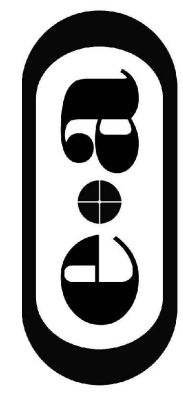
#### CONTRACTOR

### BENCHMARKS

BENCH MARK 1: CHISELED "X" SOUTH RIM OF A CURB INLET MANHOLE. SECOND CURB INLET EAST OF 103RD STREET ON THE SOUTH SIDE OF GILES ROAD. BOOK 4494, PAGE 2.  
ELEVATION: 1069.78'  
  
BENCH MARK 2: NORTH RIM OF A SANITARY MANHOLE. 2ND SANITARY MANHOLE SOUTH OF GILES ROAD ALONG THE WEST PROPERTY LINE OF OUTLOT "B". PORTAL RIDGE. MANHOLE IS ALSO 16' SOUTHEAST OF THE SOUTHEAST CORNER OF LOT 135, PORTAL, RIDGE. BOOK 4494, PAGE 2.  
ELEVATION: 1044.09'

**E & A CONSULTING GROUP, INC.**  
Engineering • Planning • Environmental & Field Services

10909 Mill Valley Road, Suite 100 • Omaha, NE 68154  
Phone: 402.895.4700 • Fax: 402.895.3599  
www.eacg.com  
State of NE Certificate of Authorization #CA0008



**E & A CONSULTING GROUP, INC.**  
*Engineering Answers*

PORTAL RIDGE  
BANK STABILIZATION - NORTH

SID 276  
SARPY COUNTY, NEBRASKA

COVER



Proj No:	Date:	Revisions		Date	Description
		Δ			
2005.054.007	JULY 2024				
Designed By:	JAS				
Drawn By:	MUG				
Scale:	AS SHOWN				
Sheet:	1				8



GENERAL NOTES

1. All project procedures, materials, bonds and reserves shall conform to the City of Omaha's Standard Specifications for Public Works Construction, 2024 Edition ("Standard Specifications"). It is the responsibility of the CONTRACTOR to be familiar with the contents of the Standard Specifications. The Standard Specifications can be found at: <https://publicworks.cityofomaha.org/contractors-consultants2/contractors/standard-plates-curb-ramps-and-specifications>
2. References to "Standard Plates" refers to the City of Omaha's 2024 Standard Plate list. These Standard Plates can be found at: <https://publicworks.cityofomaha.org/2024-standard-plate-list>

The CONTRACTOR is referred to the following Standard Plates for use on this project:

PLATE NO.	DESCRIPTION	REVISION DATE
502-01	Concrete Curbs	02/13/2024
503-01	Sidewalk Construction	02/13/2024
503-02	Sidewalk Location	02/13/2024
1002-02	Pavement Repair	02/13/2024

3. Barricades shall conform to the Omaha Public Works "Barricading Standards, Specifications, Methods and Materials" and/or the "Manual on Uniform Traffic Control Devices" and any additions thereto. The aforementioned publications can be found at: [https://publicworks.cityofomaha.org/images/PDF/TRAFFIC\\_BARRICADE\\_MANUAL\\_-\\_MARCH\\_2022.pdf](https://publicworks.cityofomaha.org/images/PDF/TRAFFIC_BARRICADE_MANUAL_-_MARCH_2022.pdf) and [https://mutcd.fhwa.dot.gov/pdfs/2009r12r3/pdf\\_index.htm](https://mutcd.fhwa.dot.gov/pdfs/2009r12r3/pdf_index.htm)
4. The time limit to complete the work is listed in the Proposal in the Specifications.
5. The INSPECTOR shall certify the CONTRACTOR's Work adheres to and meets all construction specifications and plans; maintenance, safety, workmanship, and testing requirements; and applicable regulatory compliance issues.
6. Approval shall be obtained from the City of La Vista Public Works Department for all applicable public improvements prior to the commencement of construction. The CONTRACTOR shall check with the INSPECTOR for City of La Vista Public Works Department approval of the project before starting work.
7. The CONTRACTOR and INSPECTOR shall ensure all impacted government agencies (City of La Vista, Sarpy County, State of Nebraska, Corps of Engineers, Papio-Missouri River Natural Resource District, United States Federal Government, etc.) have granted all applicable permission to proceed with construction prior to mobilization. Furthermore, 48 hours prior to the commencement of construction, the INSPECTOR shall notify all concerned parties that work will be proceeding within each impacted government agency jurisdictional boundary.
8. Construction found to be unacceptable to the City of La Vista Public Works Department shall be removed and replaced at the CONTRACTOR's expense.
9. The INSPECTOR shall notify the following City of La Vista Public Works Department personnel 48 hours prior to all preconstruction meetings and 48 hours prior to the start of any construction: Pat Dowse, P.E., City of La Vista Engineer (Phone: 402-331-89274; email: [pdowse@cityoflavista.org](mailto:pdowse@cityoflavista.org)) and Brady Small, City of La Vista Street Superintendent; (Phone: 402-331-89274; email: [bsmall@cityoflavista.org](mailto:bsmall@cityoflavista.org)).
10. The INSPECTOR shall submit weekly progress reports to the following City of La Vista Public Works Department employee no later than the following week ending date: Pat Dowse, P.E., City of La Vista Engineer (Phone: 402-331-89274; email: [pdowse@cityoflavista.org](mailto:pdowse@cityoflavista.org)).
11. The INSPECTOR shall notify the following City of La Vista Public Works Department personnel 48 hours prior to lane closures and 24 hours prior to lane restrictions: Pat Dowse, P.E., City of La Vista Engineer (Phone: 402-331-89274; email: [pdowse@cityoflavista.org](mailto:pdowse@cityoflavista.org)) and Brady Small, City of La Vista Street Superintendent; (Phone: 402-331-89274; email: [bsmall@cityoflavista.org](mailto:bsmall@cityoflavista.org)).
12. All operations conducted on the premises, including the warming-up, repair, arrival, departure, or running of trucks, earthmoving equipment, construction equipment, and any other associated equipment shall be limited to the period between 7:00 A.M. and 6:00 P.M., Monday through Friday. No earthmoving or grading operations shall be conducted on the premises on Saturdays or Sundays or legal holidays, unless waived by the INSPECTOR and the City of La Vista Public Works Department.
13. The CONTRACTOR shall notify all impacted utility companies via One Call (dial 811 or 800-331-5666) 48 hours before work is started to verify utility locations.
14. The existence and location of any overhead or underground utility lines, pipes, or structures shown on these plans are obtained by a research of the available records. Existing utilities are approximate and for record purposes. Existing utilities are located on plans only for the convenience of the CONTRACTOR. Existing utility service lines may not be shown on the plans. The CONTRACTOR shall locate all underground and overhead interferences which may affect his operation during construction and shall take all necessary precautions to avoid damage to the same.
15. The CONTRACTOR shall take all precautionary measures necessary to protect existing utility lines, structures and street improvements which are to remain in place, from damage, and all such improvements or structures damaged by the CONTRACTOR'S operations shall be repaired or replaced satisfactory to the INSPECTOR and owning utility company at the expense of the CONTRACTOR.
16. All construction shall be as shown on these plans. Any revisions shall have the prior written approval of the DESIGNER and City of La Vista Public Works Department.
17. All coordinates shown are Nebraska State Plane Coordinates modified using a scale factor of 0.99962544.
18. Elevations are referenced to U.S.G.S. Datum, NAVD 88.

19. CONTRACTOR shall adjust all new and existing inlets, valve boxes, manhole rims, and sewer clean outs, etc. to finish grade as applicable whether or not they are shown on the plans.
20. The CONTRACTOR shall adhere to good housekeeping best management practices at all times. Good housekeeping best management practices focus on keeping the work site clean and orderly while handling materials and waste in a manner that eliminates the potential for pollutant runoff.
21. The construction documents (e.g., Contract, Bond, Insurance, Specifications, and Construction Plans) are essential and a requirement in one part is as binding as though occurring in all. Thus, the construction documents are complementary in nature. The documents describe and provide the complete construction project. The CONTRACTOR may not take advantage of any apparent construction project errors or omissions. The CONTRACTOR shall notify the INSPECTOR promptly of any omissions or errors. In the case of a discrepancy between parts of the construction documents, the most stringent construction methodology shall rule.

GENERAL NOTES

22. Prior to commencement of any construction, the CONTRACTOR shall be required to coordinate and establish construction control with the ENGINEER. The CONTRACTOR shall carefully preserve all construction control that may include, but not limited to, benchmarks, reference points, and other survey reference monuments or markers.
23. The CONTRACTOR shall be responsible for coordinating their work with the ENGINEER in requesting line stakes and grades. The OWNER will not be responsible for delays due to lack of grades or line stakes.
24. The CONTRACTOR shall be charged for replacing construction stakes and lot pins which are destroyed by their operations.
25. The CONTRACTOR is hereby referred to Subsection 100.03-E of the Standard Specifications relative to cleaning of the work area. The final estimate will not be processed until the CONTRACTOR has satisfactorily cleaned and flushed the pavement slab of all rubbish, excess material, mud and debris, and all parts of the work area have been left in a neat and presentable manner. All disturbed right-of-way areas shall be restored to a level and smooth section prior to acceptance of the work.

GENERAL GRADING NOTES

1. The CONTRACTOR shall comply with all OSHA regulations. OSHA's Construction Standards for Excavations require that the Contractor's excavation activities follow certain worker safety procedures. Excavations over 4 feet deep shall be sloped back, shored, or shielded. The maximum allowable slope for an unbraced excavation in these soils is 1H:1V and 1.5H:1V respectively, although other provisions and restrictions apply. The Contractor is solely responsible for site/excavation safety and compliance with OSHA regulations.
2. A Geotechnical Exploration Report has been prepared for this project and is incorporated herein by reference. All recommendations of said report shall be followed in performing grading, paving, and utility operations. See Geotechnical Report prepared for this project by Thiele Geotech Inc, dated November 29, 2023.
3. No tree removal shall occur between April 1 and September 1 unless a migratory bird inventory has been completed and no nesting of migratory birds is found. Tree removal between June 1 and July 31 shall require a bat roosting inventory.
4. The CONTRACTOR shall obtain all necessary demolition permits prior to beginning demolition activities on site.
5. The cost of the demolition permit, pre-demolition inspections, utility disconnect expenses, and any other expenses necessary to comply with demolition permits and regulations shall be paid for by the CONTRACTOR.
6. The CONTRACTOR shall implement dust control measures during demolition, removal and construction activities.
7. All rubbish, unsuitable material, debris, equipment, etc., resulting from demolition work shall be disposed of properly and in a legal manner.
8. The CONTRACTOR shall maintain positive drainage in existing road ditches and culverts draining into the project area.
9. The CONTRACTOR shall maintain and preserve utilities that traverse the site and serve premises as long as those utilities are required.
10. Initial stripping can occur only in an area of cut and the corresponding fill area required to construct the embankment along the downstream side of the basins. At the end of each day, when weather conditions warrant, and until such time as it is possible to construct sediment basins, the CONTRACTOR shall construct a sediment trap at any and all low spots where water falling on bare ground might leave the site. The temporary sediment traps shall conform to the Omaha Regional Stormwater Design Manual, Section 9.5.14. Once the sediment basin has been constructed and approval given by the INSPECTOR, stripping can occur throughout the balance of the site.
11. Topsoil shall be stripped to a depth of at least 4" and stockpiled on site for redistribution in future unpaved areas upon completion of grading. The location of the stripping stockpiles are at the discretion of the CONTRACTOR; however, stockpiles must be located within an area protected by stormwater pollution prevention measures.
12. Following stripping operations and removal of any observed unsuitable soils, the exposed soils shall be proofrolled with a fully loaded, tandem axle dump truck providing a minimum gross weight of 25 tons, or other equipment with an equivalent subgrade loading. Unsuitable soils observed during proofrolling shall be improved by scarification to a 9" depth and recompactd. Scarified soils which cannot be recompactd to specified density shall be undercut and replaced with stable fill.
13. Existing ditches and eroded areas shall be undercut a minimum of 12 inches on all bottoms and sides prior to placement of any fill. Separate payment will not be made for undercutting.
14. Fill and backfill material shall be impervious material (clay/silt) free of frost, snow, ice, concrete, brick, stone, refuse, cinder ashes, organic matter, or any other material deemed unsuitable by the ENGINEER.
15. All structural fill and backfill soils shall be low plasticity, cohesive soil that are free of organic material or debris. Structural fill/backfill materials shall have a Liquid Limit less than 45 and a Plasticity Index less than 20. Excavated site soils will generally be suitable for use as structural fill.
16. Fill Compaction Requirements:  
Shallow Foundations -  
Areas to receive fill shall be scarified to a minimum depth of 6". Fill shall be placed in lifts not to exceed 8" in loose thickness. Structural Fill shall be compacted to a minimum of 95% of the maximum dry density ASTM D-698 (Standard Proctor) ASTM D1557 (Modified Proctor) // at a moisture content between -1 and +3% of optimum. The Geotechnical Engineer shall observe and test bearing soils exposed in all foundation excavations.  
All Other Locations -  
Areas to receive fill shall be scarified to a minimum depth of 6". Fill shall be placed in lifts not to exceed 8" in loose thickness. Structural Fill shall Be compacted to a minimum of 95% of the maximum dry density (ASTM D-698, Standard Proctor) ASTM D1557 (Modified Proctor) at a moisture content between -1 and +3% of optimum.
17. PCC Sidewalks: Prepare subgrade as per notes and specifications identified on the Site Restoration Sheets.

18. Backfill soils around foundations, basement walls and retaining walls shall be compacted to a minimum of 95% of the maximum dry density (ASTM D-698, Standard Proctor) at a moisture content between -1% and +3% of optimum. Fill shall be placed in loose lifts appropriate to the equipment and methods used for compaction. Granular backfill shall not be used around foundation elements.

GENERAL GRADING NOTES

19. Backfill soils in utility trenches shall be compacted to a minimum of 95% of the maximum dry density as per ASTM D698 (Standard Proctor) at a moisture content between -1% and +3% of optimum. Fill shall be placed in loose lifts appropriate to the equipment and methods used for compaction. Granular backfill shall not be used in exterior trenches. A "trench plug" shall be constructed to a distance 5 feet from face of building exteriors. The plug material shall consist of a clay compacted at a water content at or above the soil's optimum water content. The clay fill should be placed to completely surround the utility line and compacted as described above.
20. Imported fill material, if required, shall be free of organic matter and debris, and shall be a clean, inorganic silt or lean clay with a Liquid Limit less than 45 and a Plasticity Index less than 20. Imported material shall not contain any foreign material or debris with a dimension greater than 3".
21. Any excess material shall be disposed of at an off-site at a location determined by the Contractor.
22. If unstable soils are encountered in the bottom of shallow foundations or subgrade areas, the Contractor shall implement over-excavation and backfill practices with a more suitable material. The Contractor shall contact the Geotechnical Engineer to identify limits and depths of over-excavation.
23. The Recommendations of the Geotechnical Report shall control in all instances where subgrade preparation, backfill and compaction are concerned.
24. All excavations shall be backfilled with suitable material and compacted as structural fill.
25. Where open excavations are not backfilled within 24 hours, the CONTRACTOR shall encircle the open area by a standard snow fence.
26. Fill placed on a slope steeper than a 5H:1V shall be benched before placing fill, with a maximum riser height on the order of 2', separated by horizontal steps that are wide enough to accommodate compaction equipment.
27. Fill and Backfill shall be inspected and tested periodically at the discretion of the ENGINEER for adherence to material, compaction, and moisture specifications.  
a. Fill or backfill failing to meet compaction and moisture content specifications shall be reworked and retested at the CONTRACTOR'S expense.  
b. Material deemed unsuitable by the ENGINEER shall be removed and replaced. Reimbursement for removal of unsuitable materials will be made at the contract unit price for, "EXCAVATION ON-SITE (ESTABLISHED QUANTITY)".
30. The CONTRACTOR shall give the ENGINEER 72 hours notice to allow time to perform a survey check of the graded site prior to respreading topsoil. The CONTRACTOR shall obtain the ENGINEER's approval of the work prior to respreading topsoil or removing equipment from the site. Any re-mobilization or re-work required due to the circumstances described in this paragraph shall be performed by the CONTRACTOR at no additional cost.
31. The final grade of street rights-of-way shall be within 0.2' +/- of the design grade. The final grade of the lots shall be within 0.5' +/- of the design grade. Any re-mobilization or re-work required to meet these tolerances shall be performed by the CONTRACTOR at no additional cost.
32. Exposed project site soils shall be stabilized as shown in the Site Restoration Plan.
33. All disturbed areas except those adjacent to the installed sheet pile wall and the street rights-of-way shall receive sod. Complete sod bed preparation and placement in accordance with Omaha Standard Specifications for Public Works Construction 2024 - Section 802. The sod shall be a first-class representation of the existing conditions. Sod shall be free of noxious weeds and relatively free of all other weeds. Sod fertilizer shall be an inorganic product containing ten (10) to twelve (12) percent each of nitrogen, phosphorus, and potassium in a recognized plant nutrient form. Sod fertilizer shall be in accordance with the current provisions of the Nebraska Fertilizer Act of 1955.
34. Areas to receive erosion control matting shall be seeded in accordance with the City of Omaha Type "Channel Seed Blend" mix.

PAVEMENT CONSTRUCTION NOTES

1. The paving system (concrete or asphalt pavement, reinforcing, subgrade, signage, striping, etc) shall supplied and installed in accordance with the Standard Specifications.
2. Concrete for the pavement slab shall be in accordance with the City of Omaha Specifications for Public Works Construction 2024 unless otherwise shown on plans.
3. All integral curbs shall be Type "C" in accordance with City of Omaha Standard Plate 502-01 unless otherwise shown on plans.
4. Water-reducing admixture shall be added to all hand-placed and finished concrete.
5. All pavement removals shall be saw cut. Pavement shall be removed in complete panels. Pavement removal limits may be adjusted in the field to match existing joints.
6. The CONTRACTOR shall scarify and recompact the subgrade to a depth of one foot. The top 12" of subgrade as described shall be compacted to 90% maximum dry density as determined in accordance with the most current edition of ASTM D1557 (Modified Method) with moisture limits of -3% to +4% optimum.
7. If adverse weather conditions occur and paving subgrade becomes too wet for the CONTRACTOR to work and meet the requirements of the Standard Specifications, the ENGINEER shall determine and direct the CONTRACTOR to use a fly ash stabilized subgrade. The rate and installation requirements shall be determined by the Geotechnical ENGINEER to be appropriate for the project conditions. CONTRACTOR shall be paid for the actual cost of the materials plus five percent (5%) and shall be paid for the actual cost of labor and equipment necessary to place and work the fly ash into the subgrade.

PAVEMENT CONSTRUCTION NOTES

8. Concrete thickened edges per Standard Plate 501-01 and 501-02 are required at locations where proposed paving ties into existing paving. Thickened edges shall not be paid for directly, but shall be subsidiary to items for which payment is made. Tie bars shall be required as directed by the ENGINEER.
9. A white pigmented liquid membrane-forming curing compound that has been approved by the State of Nebraska Department of Transportation shall be applied within one (1) hour after the pass of the paving machine or placement by other means. Apply liquid membrane-forming curing compound at the concentration and application rate recommended by the manufacturer.
10. A diamond edge saw blade shall be used for cutting all required contraction and longitudinal pavement joints.
11. Under no conditions will heavy equipment be allowed on concrete paving without proper planking or bridging, and then only with the approval of the ENGINEER.
12. Any existing manholes within the right-of-way shall be adjusted to match final grade after paving. For existing manholes with frame seals, the external frame seals shall be removed and reinstalled after paving operations. Adjustment to grade of any storm sewer manholes constructed under this contract shall be subsidiary to manhole construction.
13. All manhole, inlet, and valve covers within or nearby the paving area shall be removed or covered prior to placing pavement to avoid excess damage and concrete slop. Covers that cannot be cleaned and restored to like new condition shall be replaced at the CONTRACTORS expense.
14. Streets shall not be opened to public traffic prior to final acceptance by the City of Omaha Construction Division. Final acceptance shall include rectification of all punch list items and the submittal of mylar as-built drawings. Contact Matt Grosse (Phone: 402-444-5282; Email: [matthew.grosse@cityofomaha.org](mailto:matthew.grosse@cityofomaha.org)) to coordinate work associated with opening completed project streets.
15. The pavement shall be open for use in accordance with Section 500.03-O of the Standard Specifications.

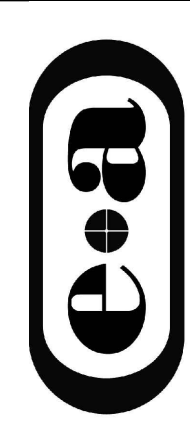
SIDEWALK CONSTRUCTION NOTES

1. Sidewalk subgrade shall be prepared and compacted in accordance with the Standard Specifications. Subgrade compaction shall be incidental to the other bid items.
2. Concrete for the sidewalk slab shall be in accordance with the City of Omaha Specifications for Public Works Construction 2024 unless otherwise shown on plans.
3. Water-reducing admixture shall be added to all hand-placed and finished concrete.
4. Sidewalk widths shall be as shown on the plans. All dimensions referencing street pavement are shown to back of curb.
5. Sidewalk slope may be varied to suit existing conditions, but in no case shall the maximum cross slope exceed 2.0%. Variations to suit extreme conditions shall be as directed by the ENGINEER.
6. Within one (1) hour the concrete pavement shall be cured using a white pigmented liquid membrane-forming curing compound that has been approved by the State of Nebraska Department of Transportation. Apply liquid membrane-forming curing compound at the concentration and application rate recommended by the manufacturer.
7. Under no conditions will heavy equipment be allowed on concrete paving without proper planking or bridging, and then only with the approval of the ENGINEER. The pavement shall be open for use in accordance with Section 500.03 (O) of the Standard Specifications.
8. Rubble and waste materials shall be removed from the site and lawfully disposed, salvaged and recycled.
9. a) Joint spacing shall be equal to the width of the sidewalk.  
b) Contraction joints shall be scoured to a minimum depth of T/4, where T is the sidewalk thickness.  
c) Use sealing filler, hot poured type, on all expansion joints.



**E & A CONSULTING GROUP, INC.**  
Engineering • Planning • Environmental & Field Services

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State of NE Certificate of Authorization #CA0008

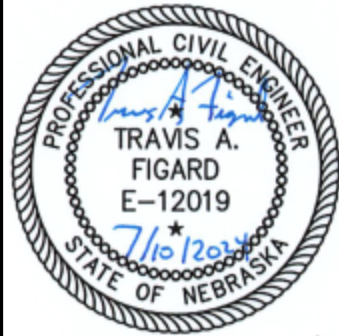


PORTAL RIDGE

BANK STABILIZATION - NORTH

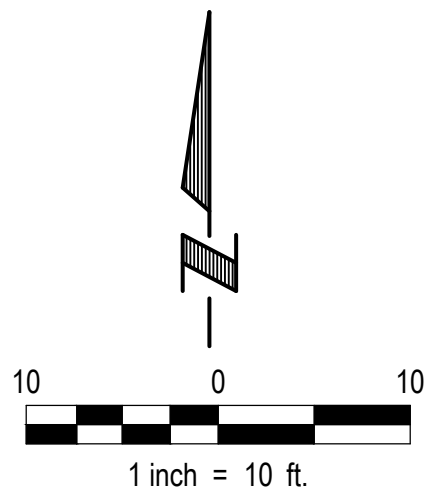
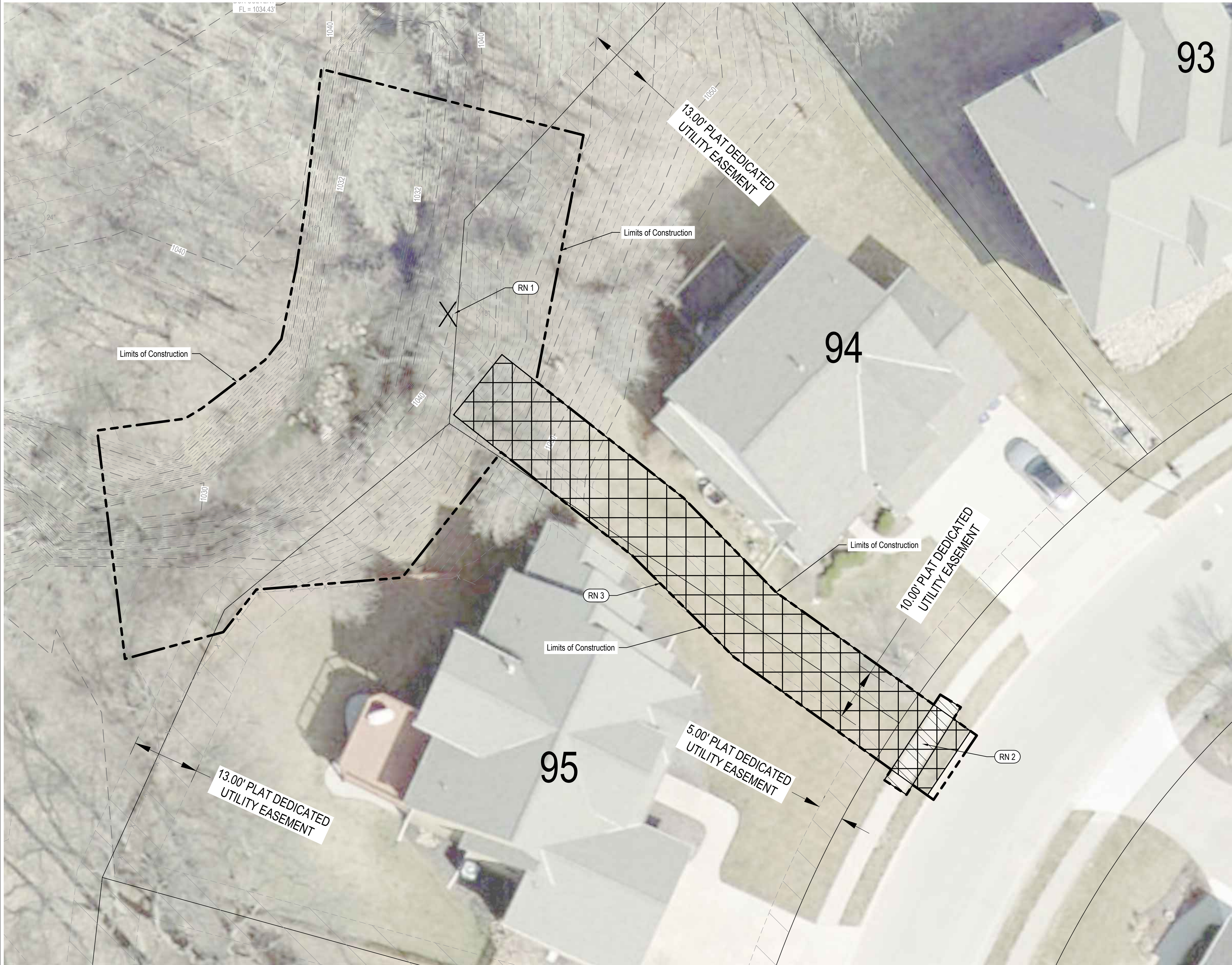
SID 276  
SARPY COUNTY, NEBRASKA

NOTES



Proj No:	Date	Revisions		Date	Date
		Description	Description		
2005.054.007	JULY 2024				
Designed By:	JAS	MAG			
Drawn By:		AS SHOWN			
Scale:					
Sheet:		2	of	8	





LEGEND

- Existing Contours
- Limits of Construction
- Proposed Access Route
- Sidewalk Removal
- Tree Removal - RN 1

REFERENCE NOTES

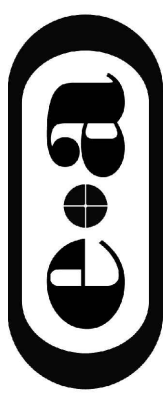
- RN 1 Remove trees required for construction activities. Remove trees in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 102. Number of trees affected are shown on the Cover Sheet - Approximate Bid Quantities table. Trees less than 9" in diameter shall be subsidiary to the General Clearing & Grubbing bid item.
- RN 2 Contractor shall remove existing sidewalk at nearest joint if possible, **100 SF**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 105.
- RN 3 Contractor shall utilize proposed access route between residential homes, east of the proposed sheet pile wall, as shown on plans. Contractor shall protect existing homes and personal property when accessing the site via the proposed access route. Any damage to private property shall be repaired or replaced to pre-construction conditions at the Contractor's expense.

GENERAL SHEET NOTES:

- Install geotextile filter sock/bag at curb inlet, **2 EA** approximately 130' south of proposed access route, per Chapter 9 Erosion and Sediment Control - Omaha Regional Stormwater Design Manual, 9.5.5 Storm Drain Inlet Protection. Refer to Note 4 on sheet 7 of these plans for the Maintenance Schedule requirements. The Omaha Regional Stormwater Design Manual can be found at: <http://www.omahastormwater.org>
- Perform General Clearing and Grubbing within proposed access route, staging area, and excavation boundary, if necessary, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 102. Contractor shall adjust staging area and access route locations to minimize tree removal.
- Contractor shall perform street cleaning daily, if necessary, to ensure street remains clear of debris.
- All infrastructure not identified for removal shall be protected by the Contractor. Damaged existing infrastructure shall be replaced or repaired to pre-construction condition at Contractor's expense.
- Contractor shall install and maintain temporary traffic control devices in accordance with City of Omaha Standard Specifications for Public Works Construction 2024 and Barricading Standards, Specifications, Methods and Materials 2022.

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E & A CONSULTING GROUP, INC.  
Engineering Answers

PORTAL RIDGE  
BANK STABILIZATION - NORTH

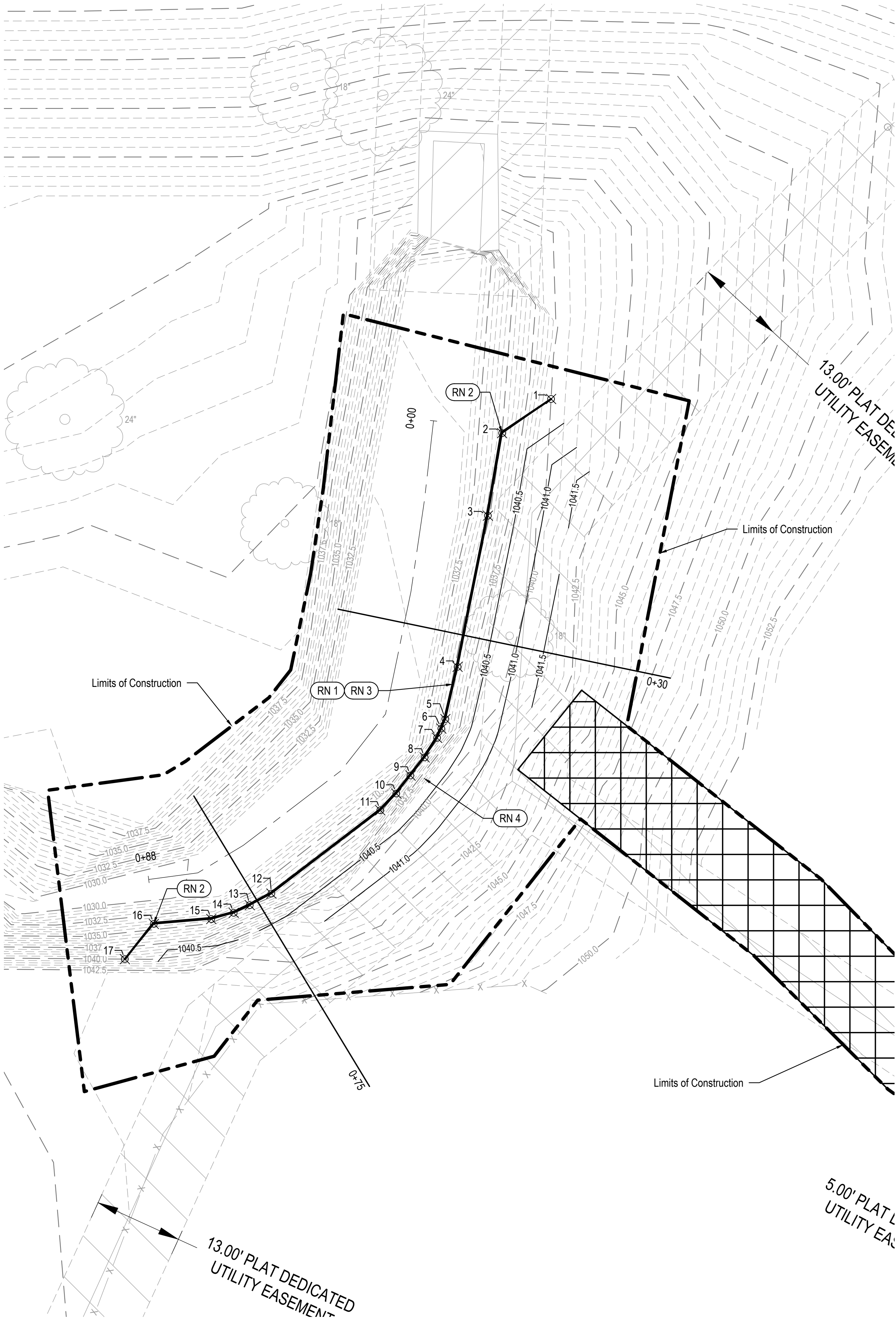
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SARPY COUNTY, NEBRASKA

ACCESS

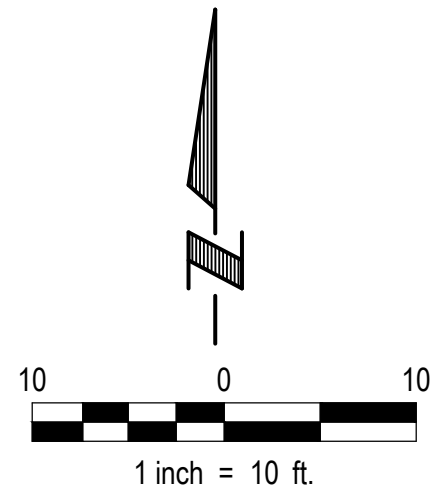


Proj No:	2005.054.007	Revisions	
			Date
Date:	JULY 2024	Description	
Designed By:	JMS	Date	Description
Drawn By:	MUG		
Scale:	AS SHOWN		
Sheet:	3 of 8		





SITE PLAN VIEW



LEGEND

- Existing Contours
- Proposed Contours
- Existing Fence
- Construction Limits
- Proposed Access Route

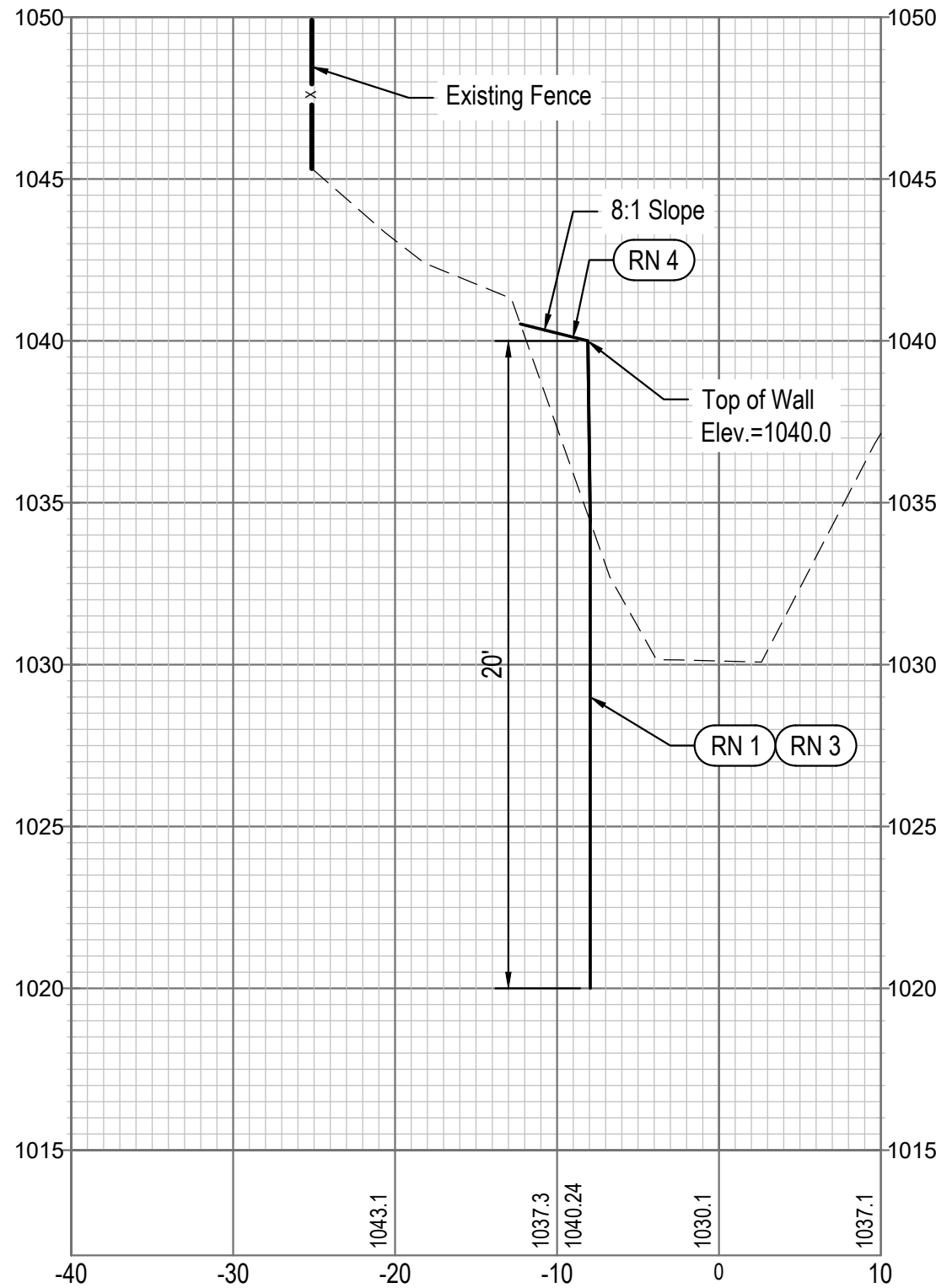
REFERENCE NOTES

- RN 1 Construct sheet pile retaining wall, **2270 SF**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 602. See detail on Sheet 5. Sheet pile shall be Skyline PZ22 sheet pile, or approved equal. See cross sections on this sheet.
- RN 2 Contractor shall utilize corner piles where horizontal deflections exceed maximum swing angle of ball and socket connections.
- RN 3 Contractor shall ensure sheet pile alignment has been field verified by the Engineer prior to installation.
- RN 4 Backfill sheet pile as shown in details on Sheet 5 and to the lines / grades shown on this sheet.

SHEET PILE STAKING POINTS

Point #	Northing	Easting	Elevation	Description
1	513768.3471	2722294.7339	1040.0	Sheet Pile Alignment
2	513763.3200	2722287.5247	1040.0	Sheet Pile Alignment
3	513751.1508	2722285.4255	1040.0	Sheet Pile Alignment
4	513728.8892	2722280.9633	1040.0	Sheet Pile Alignment
5	513721.1876	2722279.1673	1040.0	Sheet Pile Alignment
6	513719.7951	2722278.5710	1040.0	Sheet Pile Alignment
7	513718.4182	2722277.9457	1040.0	Sheet Pile Alignment
8	513715.5427	2722276.1120	1040.0	Sheet Pile Alignment
9	513712.8802	2722274.0238	1040.0	Sheet Pile Alignment
10	513710.2176	2722271.9356	1040.0	Sheet Pile Alignment
11	513707.7507	2722269.5792	1040.0	Sheet Pile Alignment
12	513695.4885	2722253.5400	1040.0	Sheet Pile Alignment
13	513693.7779	2722250.3561	1040.0	Sheet Pile Alignment
14	513692.6404	2722247.9931	1040.0	Sheet Pile Alignment
15	513691.7341	2722244.6871	1040.0	Sheet Pile Alignment
16	513691.0125	2722236.2263	1040.0	Sheet Pile Alignment
17	513685.8285	2722231.9583	1040.0	Sheet Pile Alignment

SHEET PILE WALL SECTION VIEW - STA. 0+30.00



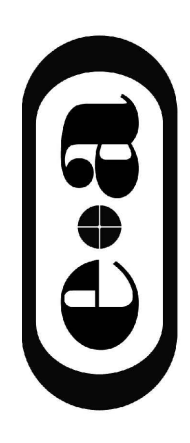
SHEET PILE WALL SECTION VIEW - STA. 0+75.00



Scale: Horiz. 1"=10'  
Vert. 1"=5'

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PORTAL RIDGE  
BANK STABILIZATION - NORTH

SID 276  
SARPY COUNTY, NEBRASKA

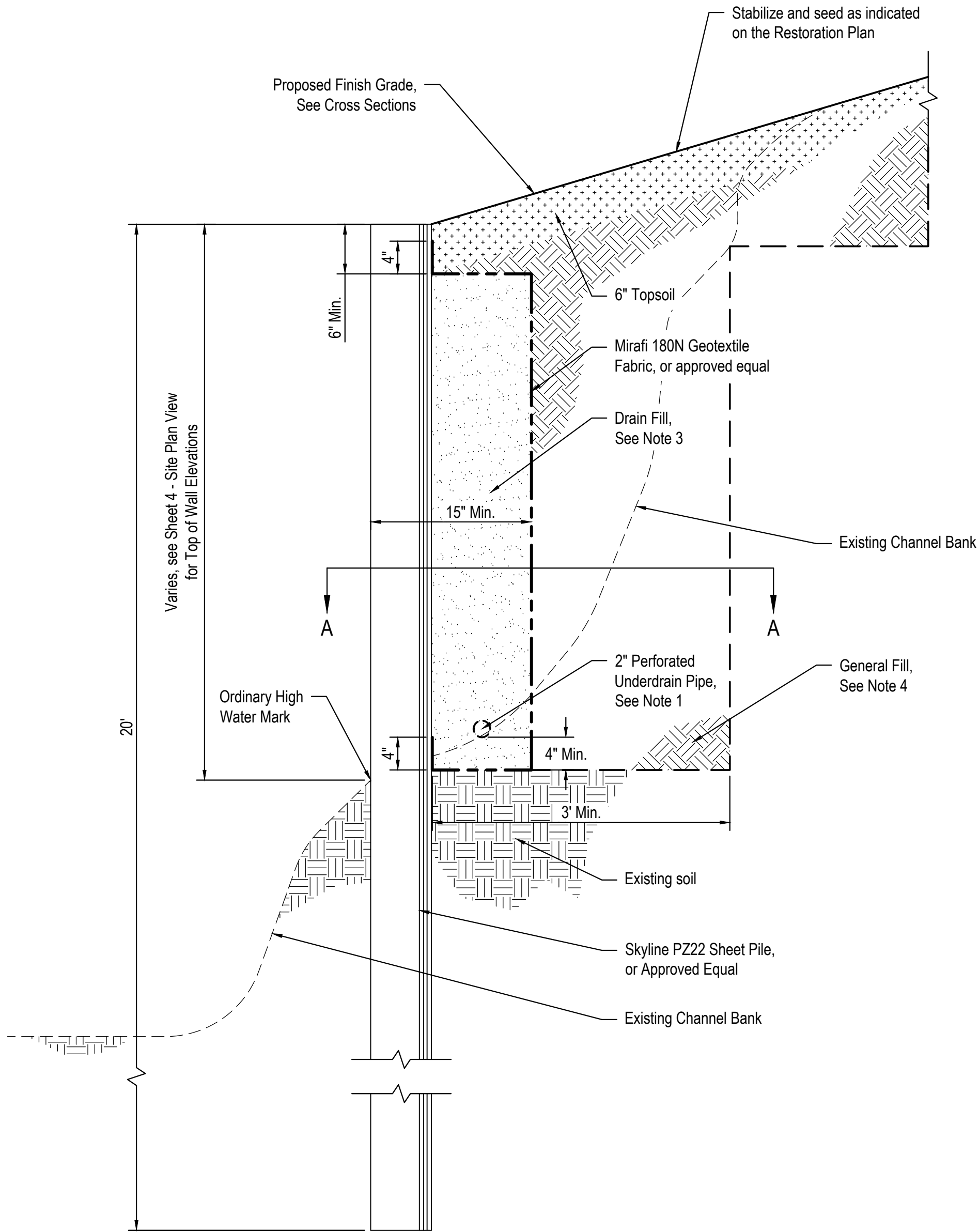
SITE PLAN AND CROSS  
SECTIONS



Revisions	Description	
	Date	Date
1	JULY 2024	JAS
2		MUG
3		AS SHOWN
4		of 8

Proj No: 2005.054.007  
Date: JULY 2024  
Designed By: JAS  
Drawn By: MUG  
Scale: AS SHOWN  
Sheet: 4 of 8

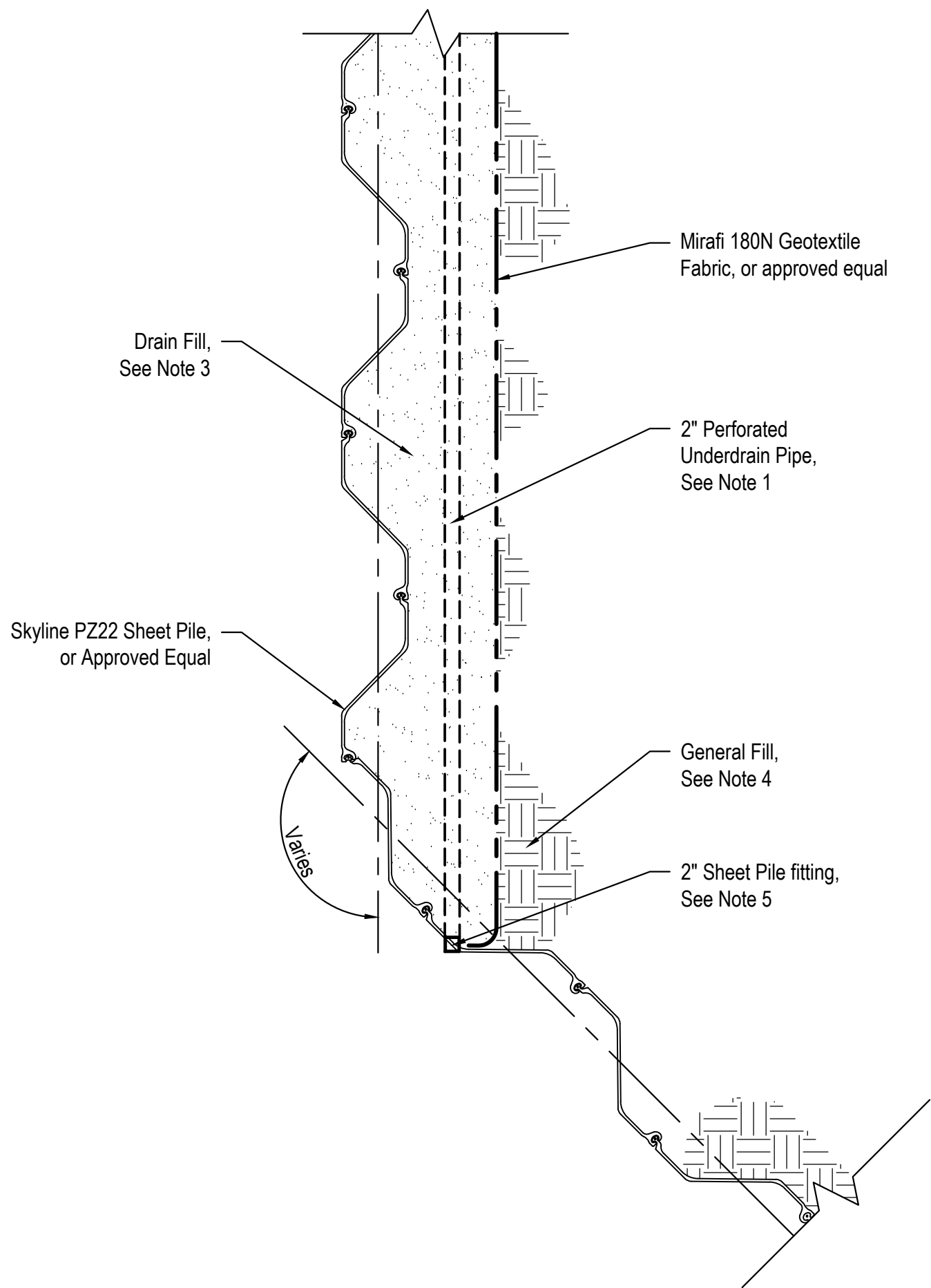




**SHEET PILE RETAINING WALL TYPICAL DETAIL**  
NOT TO SCALE

**NOTES:**

- Contractor shall install 2" Perforated Underdrain Pipe, **100 LF**, as shown, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 305, for pipe material and installation requirements. The Underdrain Pipe shall outlet on both upstream and downstream sides of the Sheet Pile as shown. The Underdrain Pipe shall have a minimum slope of 1% to both outlets.
- Excavation and benching activities required for 2" Perforated Underdrain Pipe installation are subsidiary to the Underdrain Pipe.
- Contractor shall install drain fill, **26 TON**, as shown. Drain fill shall meet the requirements of Granular Backfill material described in the City of Omaha Standard Specifications for Public Works Construction 2024, Section 305. Contractor shall place Mirafi 180N Geotextile Fabric, **110 SY**, or approved equal, as shown. These items are subsidiary to the Underdrain Pipe.
- Contractor shall place General Fill material, **50 CY**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 200. Contractor shall use suitable on-site material from benching activities as General Fill, additional fill material shall be imported from off-site to complete embankment. Imported fill material shall meet the City of Omaha Standard Specifications for Public Works Construction 2024, Section 200, for borrow material and have a maximum Wet Unit Weight of 120 pcf. General fill activities are subsidiary to Underdrain Pipe.
- Contractor shall utilize Sheet Pile fitting to terminate 2" Perforated Underdrain Pipe at face of Sheet Pile. Elbows may be required to align the Underdrain Pipe correctly with Sheet Pile fitting. All pipe fittings required for the outlet are subsidiary to the installation of the Underdrain Pipe.



**PERFORATED UNDERDRAIN PIPE OUTLET TYPICAL DETAIL A-A**  
NOT TO SCALE

Table 305.01	
Perforated Underdrain Pipe Granular Backfill	
Material Gradation Requirements	
Sieve Size	Allowable Percent Passing
1"	100
3/4"	98±2
#10	23±8
#50	5±5
#200	2±2







MAINTENANCE SCHEDULE:

The following Maintenance Schedule has been provided. The INSPECTOR must perform the Inspections. The OPERATOR/CONTRACTOR must perform all needed maintenance. Furthermore, all erosion control features requiring maintenance may not be listed below. The OPERATOR/CONTRACTOR and INSPECTOR must perform their respective duties on all BMP's that are not listed below as well.

- Construction Entrance - The entrance shall be maintained in a condition which will prevent tracking or flow of sediment onto public rights-of-way. This may require periodic top dressing with additional stone or the reworking of existing stone as conditions demand and repair and/or cleanout of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains must be removed immediately. The use of water trucks to remove materials dropped, washed, or tracked onto roadways will not be permitted under any circumstances.
- Wattle - Minimal maintenance is required. Periodically inspect wattles to verify the wattle is still firmly anchored and not damaged. Inspect wattles after prolonged rain events. Replace or repair missing or damaged wattles as necessary. When using wattles on rough surfaces such as pavement, wattles are more easily damaged and should be inspected more frequently to prevent wattle content from entering storm inlets, especially if the wattle is being used to protect the storm inlet.
- Silt Fence - The maintenance measures are as follows; (2.1) silt fences shall be inspected immediately after each rainfall and at least daily during prolonged rainfall, any required repairs shall be made immediately; (2.2) close attention shall be paid to the repair of damaged silt fence resulting from end runs and undercutting; (2.3) should the fabric on a silt fence decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly; (2.4) sediment deposits must be removed when the level of deposition reaches approximately one-half the height of the barrier; and (2.5) any sediment deposits remaining in place after the silt fence is no longer required shall be dressed to conform to the existing grade, prepared and seeded.
- Storm Drain Inlet Protection - The maintenance measures are as follows; (3.1) structures shall be inspected after each rain and repairs made as necessary and (3.2) structures shall be removed and the area stabilized when the remaining drainage area has been properly stabilized.
- Temporary Seeding - Areas which fail to establish vegetative cover adequate to prevent rill erosion will be re-seeded as soon as such areas are identified. Control weeds by mowing.
- Permanent Seeding - The maintenance measures are as follows: (9.1) in general, a stand of vegetation cannot be determined to be fully established until it has been maintained for one full year after planting; (9.2) new seedlings shall be supplied with adequate moisture, supply water as needed, especially late in the season, in abnormally hot or dry conditions, or on adverse sites, water applications shall be controlled to prevent excessive runoff; (9.3) inspect all seeded areas for failures and make necessary repairs, replacements, and reseedings within the planting season, if possible; [9.3a] if stand is inadequate for erosion control, over seed and fertilize using half of the rates originally specified; [9.3b] if stand is 60% damaged, re-establish following seedbed and seeding recommendations; [9.3c] if stand has less than 40% cover, re-evaluate choice of plant materials and quantities of lime and fertilizer, the soil must be tested to determine if acidity or nutrient imbalances are responsible, re-establish the stand following seedbed and seeding recommendations.
- Soil Stabilization Blankets & Matting - All soil stabilization blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until which time they become permanently stabilized; at that time an annual inspection should be adequate.
- Street Cleaning/Sweeping - The maintenance measures are as follows; (12.1) evaluate access points daily for sediment tracking; (12.2) when tracked or spilled sediment is found on paved surfaces, it will be removed daily, during times of heavy track-out such as during rains, cleaning may be done several times throughout the day; (12.3) unknown spills or objects will not be mixed with the sediment; and (12.4) if sediment is mixed with other pollutants, it will be disposed of properly at an authorized landfill. Streets are to be cleaned immediately and at minimum, before the next business day.

GENERAL NOTES

- All OPERATORS/CONTRACTORS must confirm with the APPLICANT that any and all applicable governmental approvals have been received prior to the start of work.
- BMP's may not be removed without INSPECTOR and applicable government approval.
- The APPLICANT, INSPECTOR, and CONTRACTORS/OPERATORS must adhere to all Good Housekeeping BMP's presented within the Omaha Regional Stormwater Design Manual Chapter 9 Section 9.6. Good Housekeeping BMP's focus on keeping the work site clean and orderly while handling materials and waste in a manner that eliminates the potential for pollutant runoff. Good Housekeeping BMP's such as Sanitary Waste Management (9.6.2), Solid Waste Management (9.6.3), Material Delivery & Storage (9.6.4), Street Cleaning/Sweeping (9.6.5), and Vehicle & Equipment Fueling (9.6.6) must be addressed when applicable. The aforementioned publications can be found at <http://www.omahastormwater.org>.

STANDARD DETAILS

NUMBER	NAME	LOCATION
9.5.2	Construction Entrance	Omaha Regional Stormwater Design Manual
9.5.3	Construction Road Stabilization	Omaha Regional Stormwater Design Manual
9.5.4	Silt Fence	Omaha Regional Stormwater Design Manual
9.5.5	Storm Drain Inlet Protection	Omaha Regional Stormwater Design Manual
9.5.16	Dust Control	Omaha Regional Stormwater Design Manual
9.5.19	Temporary Seeding	Omaha Regional Stormwater Design Manual
9.5.20	Permanent Seeding	Omaha Regional Stormwater Design Manual
9.5.21	Sodding	Omaha Regional Stormwater Design Manual
9.5.23	Soil Stabilization Blankets & Matting	Omaha Regional Stormwater Design Manual
9.5.25	Wattle	Omaha Regional Stormwater Design Manual
9.6.1	Construction Scheduling & Matting	Omaha Regional Stormwater Design Manua
9.6.2	Sanitary Waste Management	Omaha Regional Stormwater Design Manual
9.6.3	Solid Waste Management	Omaha Regional Stormwater Design Manual
9.6.4	Material Delivery And Storage	Omaha Regional Stormwater Design Manual
9.6.5	Street Cleaning/Sweeping	Omaha Regional Stormwater Design Manual
9.6.6	Vehicle And Equipment Fueling	Omaha Regional Stormwater Design Manual
9.6.8	Concrete Washout	Omaha Regional Stormwater Design Manual

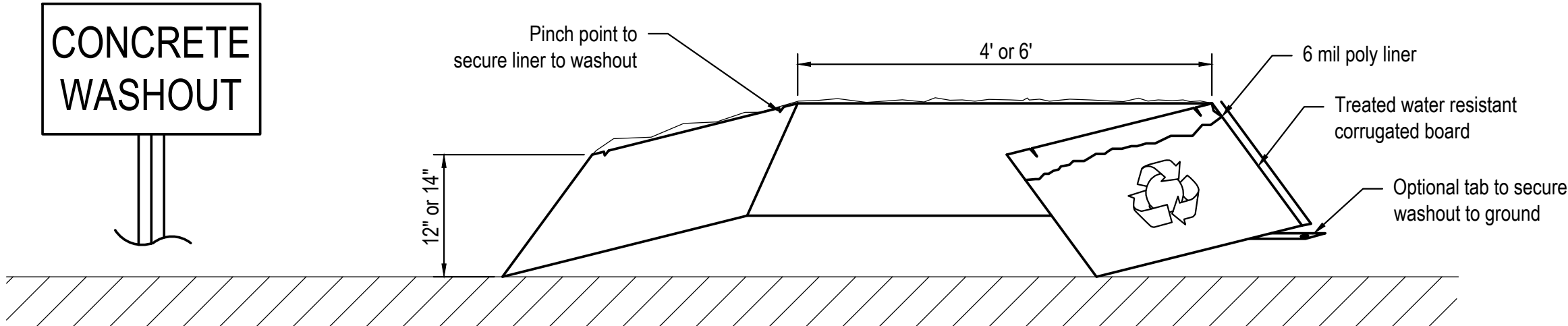
The Omaha Regional Stormwater Design Manual can be found at: <http://www.omahastormwater.org>.  
The City of Omaha Standard Plates are at: <http://publicworks.cityofomaha.org/2024-standard-plate-list>

SEEDING NOTES:

- Seed to be installed as per City of Omaha specifications. Use the Type 'Channel Seed Blend' seed. Contractor shall refer to plans for specific locations of which seed to be installed.
- Contractor to use Rolled Erosion Control Type - I or Approved Equivalent.
- Soil prep and fine grading shall be included in the price bid for seeding.
- Contractor to coordinate work with other amenities/utilities contractors & silt fence removal (if needed).

CONSTRUCTION ACTIVITIES & SCHEDULING

ACTIVITY	SCHEDULE
Install all BMP's needed and associated with the Grading Phase such as stabilized construction entrances, silt basins, riser pipes, outlet pipes, silt traps, silt fence, diversions, terraces, etcetera.	Prior to any stripping of existing vegetation or grading.
Proceed with stripping of existing vegetation and grading in accordance with the grading plan, while disturbing no more than is necessary.	After Installing all BMP's needed and associated with the Grading Phase. Furthermore, INSPECTOR approval must be obtained before the start of any stripping of existing vegetation or grading.
Proceed with infrastructure installation.	Infrastructure installation must occur prior to any lot development.
Implement the installation of Temporary Seeding, Permanent Seeding, and/or Mulching.	Stabilization measures must be initiated as soon as possible in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
Implement the Installation all BMP's needed and associated with the Building Phase.	Building Phase BMP's must be installed concurrently with lot development.
Proceed with removal of BMP's.	BMP's may not be removed until each impacted drainage basin has been fully developed. Full development shall mean installation of pavement, buildings, and utilities, landscaping, and fully established permanent seeding. Furthermore, INSPECTOR approval must be obtained before the removal of any BMP's.



NOTES:

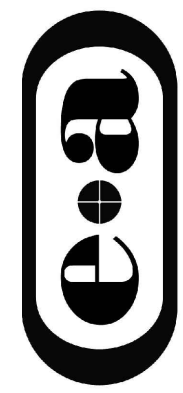
- The concrete washout area shall be installed prior to any concrete placement on this project. Install washout area on a level surface. Use Disposable Concrete Washout or approved equal conforming to Section 9.6.8 of the Omaha Regional Stormwater Design Manual.
- Signs shall be placed as necessary to clearly indicate the location of the concrete washout.
- The concrete washout area will be replaced as necessary to maintain capacity for waste concrete and other liquid waste.
- Washout residue shall be removed from the site and disposed of at an approved waste site.
- Do not mix excess amounts of fresh concrete or cement on-site.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not dump excess concrete in non-designated dumping areas.
- Locate washout area at least 50' (15 meters) from storm drains, open ditches, or waterbodies.
- Wash out wastes into the Outpack Washout as shown where the concrete can set, be broken up, and then disposed of properly.

CONCRETE WASHOUT  
NOT TO SCALE



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PORTAL RIDGE  
BANK STABILIZATION - NORTH

SID 276  
SARPY COUNTY, NEBRASKA

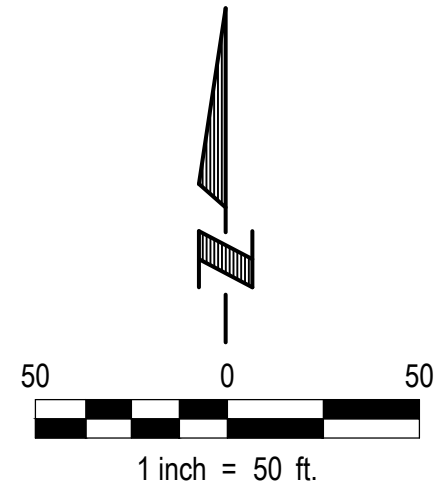
SITE RESTORATION  
NOTES



Revisions	Description	
	Date	Description
1	JULY 2024	JAS
2		MUG
3		AS SHOWN
4		
5		
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7		
8		

Proj No: 2005.054.007  
Date: JULY 2024  
Designed By: JAS  
Drawn By: MUG  
Scale: AS SHOWN  
Sheet: 7 of 8





## PLANT SCHEDULE - REPLACEMENTS

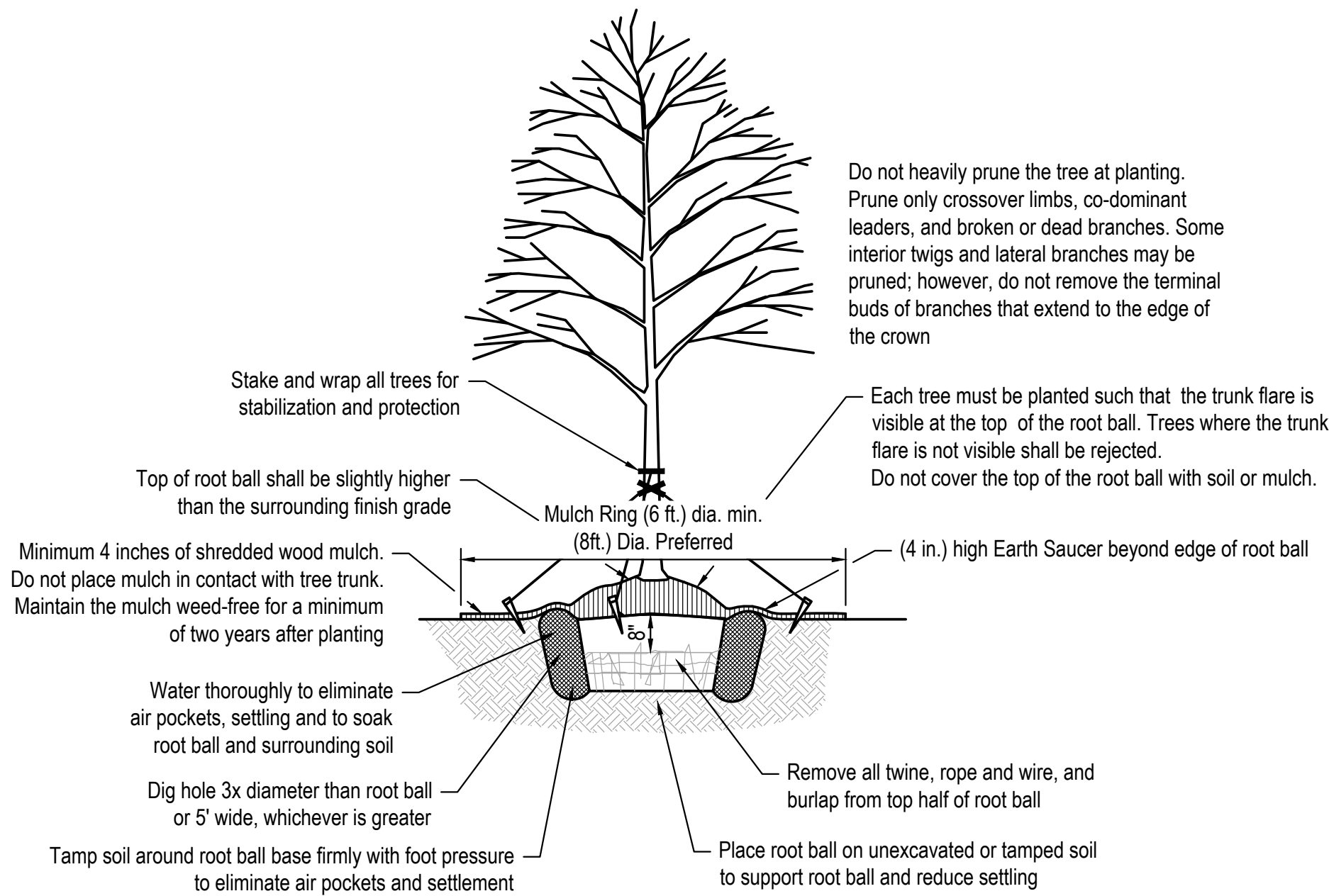
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE
A	1	Quercus bicolor	Swamp White Oak	3"	B&B
B	2	Picea pungens	Colorado Blue Spruce	6'-7'	B&B

### NOTES:

- Landscape contractor shall coordinate with E & A Consulting Group, Inc. landscape architect on planting location of replacement trees.
- Landscape contractor must coordinate with all utilities and general contractor to field verify all utility locations that may conflict with all proposed tree planting locations on the project site.

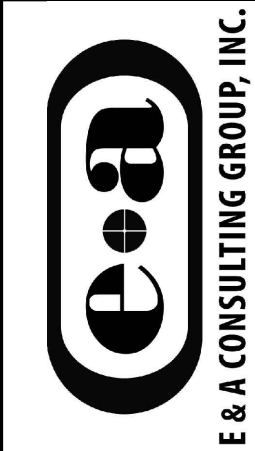
### LANDSCAPE NOTES:

- Locate and verify the location of all underground utilities prior to the start of any construction. Care should be taken not to disturb any existing utilities during construction. Any damage to utilities or other improvements caused by the Contractor will be repaired at no cost to the Owner.
- All plant material shall be of good quality and sizes shall meet required size specifications.
- All plant material are to be watered in immediately after planting and then watered once a week for a period of two months from time of planting.
- All plant material shall be guaranteed to be in a live and healthy growing condition for two full growing seasons (trees) after final project acceptance or shall be replaced free of charge with the same size and species including labor.
- Verify all dimensions and conditions prior to starting construction. The location of plant material is critical and shall be field verified by E & A Consulting Group, Inc. landscape architect prior to installation. Field adjustments may be necessary based on field conditions (i.e., root ball and drop inlet conflict). All adjustments must be approved by the landscape architect.
- The Landscape Contractor shall remove all construction debris and materials injurious to plant growth from planting pits and beds prior to backfilling with planting mix. All planting areas shall be free of weeds and debris prior to any work.
- Provide locally available shredded hardwood mulch on all trees and in all planting beds to a 4 inch maximum depth unless otherwise noted. Mulch ring to extend 1'-0" minimum beyond planting pit. Minor site grading to be included if needed.
- All trees are to be staked for a period of not less than one year from time of planting. Contractor shall remove all staking after one year.
- Contractor to coordinate work with other amenities contractors.



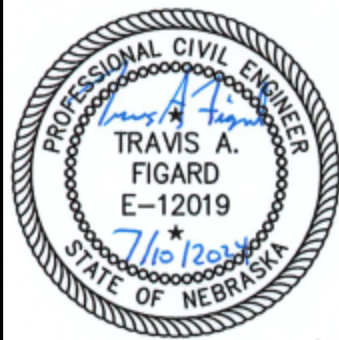
## TREE PLANTING DETAIL - B & B TREE

NOT TO SCALE



PORTAL RIDGE  
BANK STABILIZATION - NORTH  
----- SECTION ----  
SID 276  
SARPY COUNTY, NEBRASKA

LANDSCAPE PLAN



Revisions	Description	Date
Proj No: 2005.054.007		
Date: JULY 2024	Designed By: JAS	MUG
Drawn By:	Scale: AS SHOWN	Sheet: 8 of 8



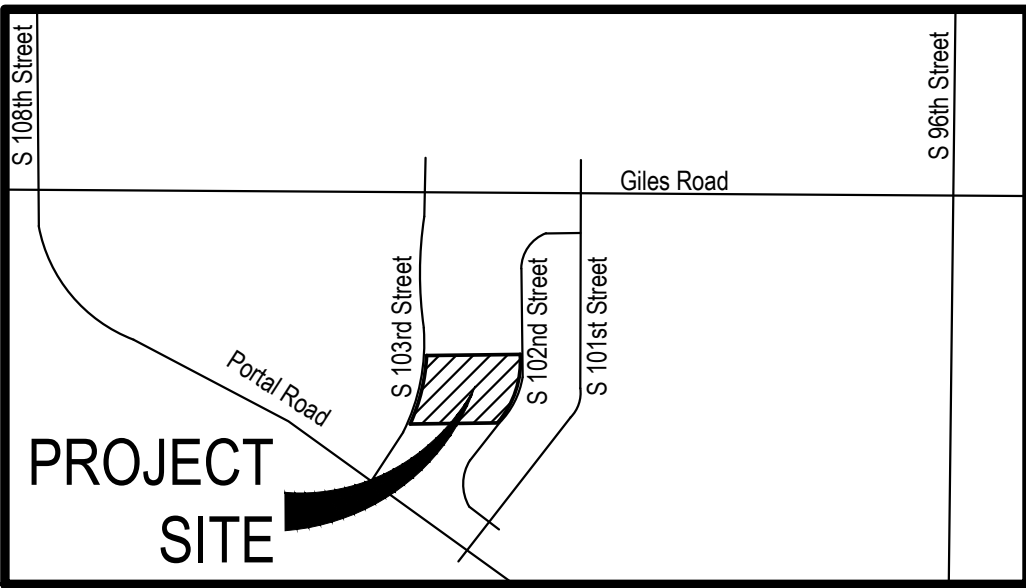
# PORTAL RIDGE

## BANK STABILIZATION - SOUTH

Located in the NW 1/4 of Section 21, Township 14, Range 12 EAST, of the 6th P.M.

SID NO. 276

SARPY COUNTY, NEBRASKA



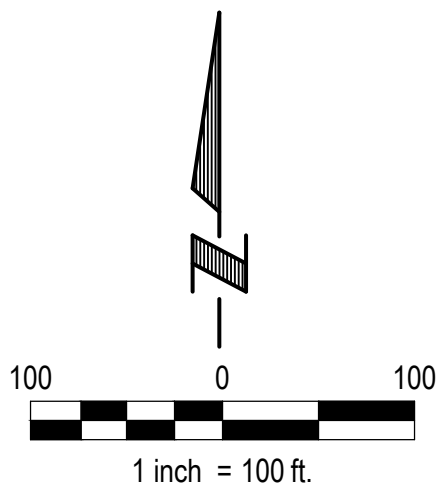
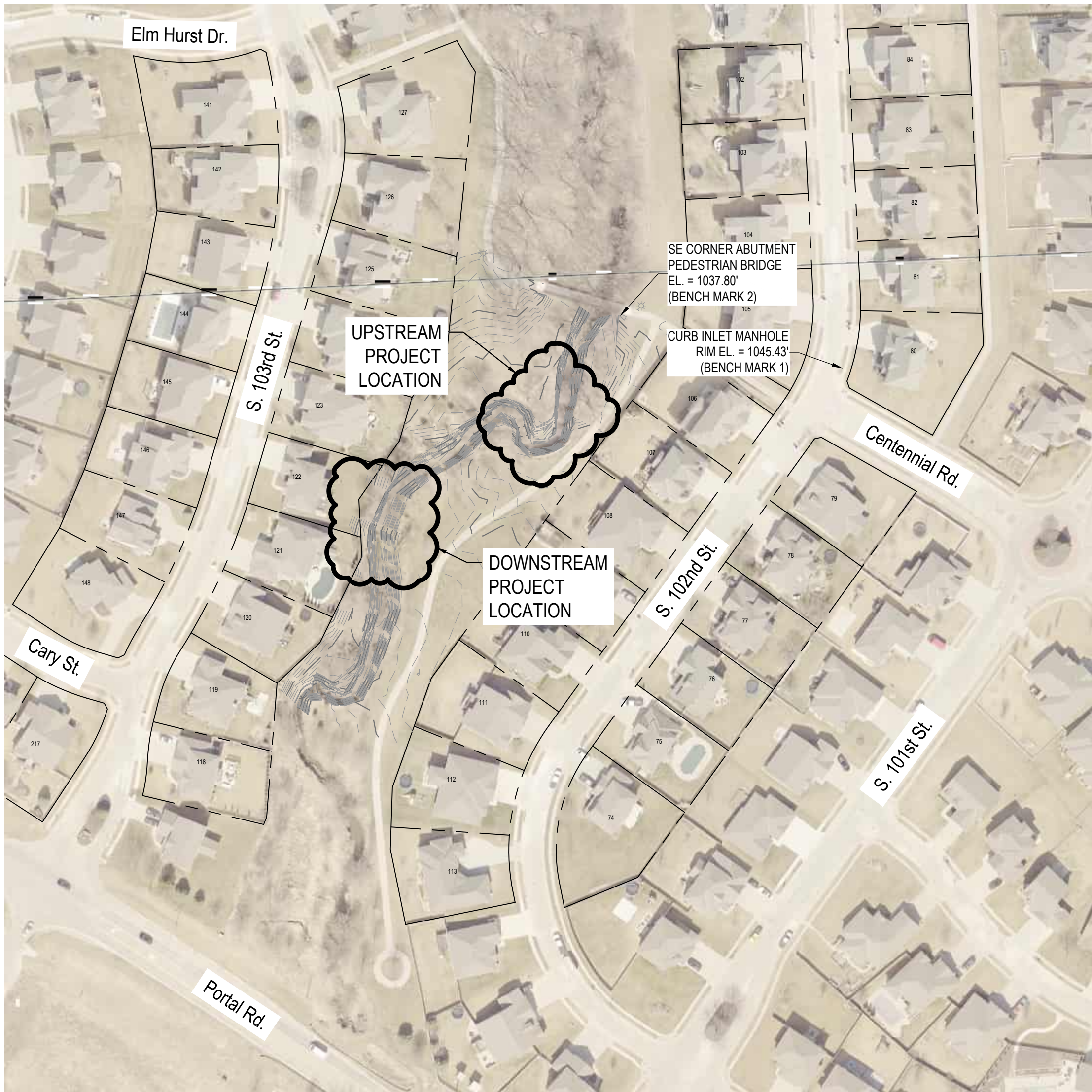
VICINITY MAP

### APPROXIMATE BID QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION/DEMOBILIZATION	1	LS
2	MAINTAIN TRAFFIC CONTROL	1	LS
3	INSTALL CONSTRUCTION ENTRANCE	1	EA
4	INSTALL SILT FENCE	580	LF
5	CONSTRUCT TEMPORARY SAFETY FENCE	65	LF
6	CLEARING AND GRUBBING - GENERAL	1	LS
7	CLEARING AND GRUBBING - TREES OVER 9" TO 18" DIAMETER	10	EA
8	CLEARING AND GRUBBING - TREES OVER 36" TO 48" DIAMETER	6	EA
9	REMOVE AND REINSTALL FENCE	75	LF
10	REMOVE AND REINSTALL TRAIL BENCH	1	EA
11	REMOVE AND REINSTALL TRAIL SIGN	1	EA
12	REMOVE EXISTING CONCRETE SIDEWALK	6430	SF
13	CONSTRUCT SHEET PILE	4010	SF
14	CONSTRUCT 2" PERFORATED UNDERDRAIN PIPE	240	LF
15	CONSTRUCT 4" PCC SIDEWALK	6430	SF
16	REPAIR CURB AND GUTTER	15	LF
17	PLACE TOPSOIL	170	SY
18	INSTALL SEEDING - TYPE 'CHANNEL SEED BLEND'	170	SY
19	INSTALL ROLLED EROSION CONTROL - TYPE I	170	SY
20	INSTALL SEEDING - TYPE 'B SEED BLEND'	3030	SY
21	INSTALL MULCHING	3030	SY
22	INSTALL PRINCETON SENTRY COLUMNAR GINKGO PLANT MATERIAL	4	EA
23	INSTALL BLACK HILLS SPRUCE PLANT MATERIAL	2	EA
24	INSTALL FIREDANCE DOGWOOD PLANT MATERIAL	14	EA
25	INSTALL RED OAK PLANT MATERIAL	3	EA
26	INSTALL HACKBERRY PLANT MATERIAL	4	EA

### BENCHMARKS

- BENCH MARK 1: CHISELED "X", EAST RIM OF A CURB INLET MANHOLE, FIRST CURB INLET NORTH OF CENTENNIAL ROAD ON THE EAST SIDE OF 102ND STREET. BOOK 4494, PAGE 13.  
ELEVATION: 1045.43'
- BENCH MARK 2: BOTTOM OF STAR DRILL HOLE WITH CHISELED "X" ON TOP OF THE SOUTHEAST CORNER OF THE ABUTMENT OF A PEDESTRIAN BRIDGE. BOOK 4494, PAGE 13.  
ELEVATION: 1037.80'



SHEET NO.	DESCRIPTION
1	COVER
2	NOTES
3	ACCESS I
4	ACCESS II
5	SITE PLAN AND CROSS SECTIONS I
6	SITE PLAN AND CROSS SECTIONS II
7	DETAILS
8	SITE RESTORATION I
9	SITE RESTORATION II
10	SITE RESTORATION III
11	SITE RESTORATION NOTES
12	LANDSCAPE REMOVALS PLAN
13	LANDSCAPE PLAN

PROJECT INFORMATION				
<input checked="" type="checkbox"/> Project Number Assigned by PWD	<input checked="" type="checkbox"/> Grading Permit Project Number Assigned by PWD	276 SID Number	TBD Estimated Start Date	TBD Estimated Completion Date
Portal Ridge Bank Stabilization - South Project Name		Portal Ridge Subdivision Name		
S. 102nd St. and Giles Road Address		LaVista City	Nebraska State	68128 Zip Code
<input checked="" type="checkbox"/> City Council Resolution Number Granting Project Approval	<input checked="" type="checkbox"/> City Council Ordinance Number Granting Project Approval	<input checked="" type="checkbox"/> City Council Resolution/Ordinance Approval Date		
PROJECT DESCRIPTION				
APPLICANT		DESIGNER		
SID #276 Steven Slezak, Chairman 11440 West Center Road, Ste. C Omaha, NE 68144 P: 402.334.0700 F: 402.334.0815 mjohanson@fdjlaw.com		E & A Consulting Group, Inc Travis A. Figard, P.E. 10909 Mill Valley Road, Suite 100 Omaha, NE 68154 P: 402.895.4700 F: 402.895.3599 tfigard@eacg.com		
INSPECTOR		CONTRACTOR		
E & A Consulting Group, Inc Randall L. Pierce, P.E. 10909 Mill Valley Road, Suite 100 Omaha, NE 68154 P: 402.895.4700 F: 402.895.3599 rpierce@eacg.com				



GENERAL NOTES

1. All project procedures, materials, bonds and reserves shall conform to the City of Omaha's Standard Specifications for Public Works Construction, 2024 Edition ("Standard Specifications"). It is the responsibility of the CONTRACTOR to be familiar with the contents of the Standard Specifications. The Standard Specifications can be found at: <https://publicworks.cityofomaha.org/contractors-consultants2/contractors/standard-plates-curb-ramps-and-specifications>
2. References to "Standard Plates" refers to the City of Omaha's 2024 Standard Plate list. These Standard Plates can be found at: <https://publicworks.cityofomaha.org/2024-standard-plate-list>

The CONTRACTOR is referred to the following Standard Plates for use on this project:

- | PLATE NO.         | DESCRIPTION                       | REVISION DATE            |
|-------------------|-----------------------------------|--------------------------|
| 502-01<br>1002-02 | Concrete Curbs<br>Pavement Repair | 02/13/2024<br>02/13/2024 |
3. Barricades shall conform to the Omaha Public Works "Barricading Standards, Specifications, Methods and Materials" and/or the "Manual on Uniform Traffic Control Devices" and any additions thereto. The aforementioned publications can be found at: [https://publicworks.cityofomaha.org/images/PDF/TRAFFIC\\_BARRICADE\\_MANUAL\\_-\\_MARCH\\_2022.pdf](https://publicworks.cityofomaha.org/images/PDF/TRAFFIC_BARRICADE_MANUAL_-_MARCH_2022.pdf) and [https://mutcd.fhwa.dot.gov/pdfs/2009rfr2r3/pdf\\_index.htm](https://mutcd.fhwa.dot.gov/pdfs/2009rfr2r3/pdf_index.htm)
4. The time limit to complete the work is listed in the Proposal in the Specifications.
5. The INSPECTOR shall certify the CONTRACTOR's Work adheres to and meets all construction specifications and plans; maintenance, safety, workmanship, and testing requirements; and applicable regulatory compliance issues.
6. Approval shall be obtained from the City of La Vista Public Works Department for all applicable public improvements prior to the commencement of construction. The CONTRACTOR shall check with the INSPECTOR for City of La Vista Public Works Department approval of the project before starting work.
7. The CONTRACTOR and INSPECTOR shall ensure all impacted government agencies (City of La Vista, Sarpy County, State of Nebraska, Corps of Engineers, Papio-Missouri River Natural Resource District, United States Federal Government, etc.) have granted all applicable permission to proceed with construction prior to mobilization. Furthermore, 48 hours prior to the commencement of construction, the INSPECTOR shall notify all concerned parties that work will be proceeding within each impacted government agency jurisdictional boundary.
8. Construction found to be unacceptable to the City of La Vista Public Works Department shall be removed and replaced at the CONTRACTOR's expense.
9. The INSPECTOR shall notify the following City of La Vista Public Works Department personnel 48 hours prior to all preconstruction meetings and 48 hours prior to the start of any construction: Pat Dowse, P.E., City of La Vista Engineer (Phone: 402-331-89274; email: [pdowse@cityoflavista.org](mailto:pdowse@cityoflavista.org)) and Brady Small, City of La Vista Street Superintendent; (Phone: 402-331-89274; email: [bsmall@cityoflavista.org](mailto:bsmall@cityoflavista.org)).
10. The INSPECTOR shall submit weekly progress reports to the following City of La Vista Public Works Department employees no later than the following week ending date: Pat Dowse, P.E., City of La Vista Engineer (Phone: 402-331-89274; email: [pdowse@cityoflavista.org](mailto:pdowse@cityoflavista.org)).
11. The INSPECTOR shall notify the following City of La Vista Public Works Department personnel 48 hours prior to lane closures and 24 hours prior to lane restrictions: Pat Dowse, P.E., City of La Vista Engineer (Phone: 402-331-89274; email: [pdowse@cityoflavista.org](mailto:pdowse@cityoflavista.org)) and Brady Small, City of La Vista Street Superintendent; (Phone: 402-331-89274; email: [bsmall@cityoflavista.org](mailto:bsmall@cityoflavista.org)).
12. All operations conducted on the premises, including the warming-up, repair, arrival, departure, or running of trucks, earthmoving equipment, construction equipment, and any other associated equipment shall be limited to the period between 7:00 A.M. and 6:00 P.M., Monday through Friday. No earthmoving or grading operations shall be conducted on the premises on Saturdays or Sundays or legal holidays, unless waived by the INSPECTOR and the City of La Vista Public Works Department.
13. The CONTRACTOR shall notify all impacted utility companies via One Call (dial 811 or 800-331-5666) 48 hours before work is started to verify utility locations.
14. The existence and location of any overhead or underground utility lines, pipes, or structures shown on these plans are obtained by a research of the available records. Existing utilities are approximate and for record purposes. Existing utilities are located on plans only for the convenience of the CONTRACTOR. Existing utility service lines may not be shown on the plans. The CONTRACTOR shall locate all underground and overhead interferences which may affect his operation during construction and shall take all necessary precautions to avoid damage to the same.
15. The CONTRACTOR shall take all precautionary measures necessary to protect existing utility lines, structures and street improvements which are to remain in place, from damage, and all such improvements or structures damaged by the CONTRACTOR'S operations shall be repaired or replaced satisfactory to the INSPECTOR and owning utility company at the expense of the CONTRACTOR.
16. All construction shall be as shown on these plans. Any revisions shall have the prior written approval of the DESIGNER and City of La Vista Public Works Department.
17. All coordinates shown are Nebraska State Plane Coordinates modified using a scale factor of 0.99962544.
18. Elevations are referenced to U.S.G.S. Datum, NAVD 88.
19. CONTRACTOR shall adjust all new and existing inlets, valve boxes, manhole rims, and sewer clean outs, etc. to finish grade as applicable whether or not they are shown on the plans.
20. The CONTRACTOR shall adhere to good housekeeping best management practices at all times. Good housekeeping best management practices focus on keeping the work site clean and orderly while handling materials and waste in a manner that eliminates the potential for pollutant runoff.
21. The construction documents (e.g., Contract, Bond, Insurance, Specifications, and Construction Plans) are essential and a requirement in one part is as binding as though occurring in all. Thus, the construction documents are complementary in nature. The documents describe and provide the complete construction project. The CONTRACTOR may not take advantage of any apparent construction project errors or omissions. The CONTRACTOR shall notify the INSPECTOR promptly of any omissions or errors. In the case of a discrepancy between parts of the construction documents, the most stringent construction methodology shall rule.

GENERAL NOTES

22. Prior to commencement of any construction, the CONTRACTOR shall be required to coordinate and establish construction control with the ENGINEER. The CONTRACTOR shall carefully preserve all construction control that may include, but not limited to, benchmarks, reference points, and other survey reference monuments or markers.
23. The CONTRACTOR shall be responsible for coordinating their work with the ENGINEER in requesting line stakes and grades. The OWNER will not be responsible for delays due to lack of grades or line stakes.
24. The CONTRACTOR shall be charged for replacing construction stakes and lot pins which are destroyed by their operations.
25. The CONTRACTOR is hereby referred to Subsection 100.03-E of the Standard Specifications relative to cleaning of the work area. The final estimate will not be processed until the CONTRACTOR has satisfactorily cleaned and flushed the pavement slab of all rubbish, excess material, mud and debris, and all parts of the work area have been left in a neat and presentable manner. All disturbed right-of-way areas shall be restored to a level and smooth section prior to acceptance of the work.

GENERAL GRADING NOTES

1. The CONTRACTOR shall comply with all OSHA regulations. OSHA's Construction Standards for Excavations require that the Contractor's excavation activities follow certain worker safety procedures. Excavations over 4 feet deep shall be sloped back, shored, or shielded. The maximum allowable slope for an unbraced excavation in these soils is 1H:1V and 1.5H:1V respectively, although other provisions and restrictions apply. The Contractor is solely responsible for site/excavation safety and compliance with OSHA regulations.
2. A Geotechnical Exploration Report has been prepared for this project and is incorporated herein by reference. All recommendations of said report shall be followed in performing grading, paving, and utility operations. See Geotechnical Report prepared for this project by Thiele Geotech Inc, dated November 29, 2023.
3. No tree removal shall occur between April 1 and September 1 unless a migratory bird inventory has been completed and no nesting of migratory birds is found. Tree removal between June 1 and July 31 shall require a bat roosting inventory.
4. The CONTRACTOR shall obtain all necessary demolition permits prior to beginning demolition activities on site.
5. The cost of the demolition permit, pre-demolition inspections, utility disconnect expenses, and any other expenses necessary to comply with demolition permits and regulations shall be paid for by the CONTRACTOR.
6. The CONTRACTOR shall implement dust control measures during demolition, removal and construction activities.
7. All rubbish, unsuitable material, debris, equipment, etc., resulting from demolition work shall be disposed of properly and in a legal manner.
8. The CONTRACTOR shall maintain positive drainage in existing road ditches and culverts draining into the project area.
9. The CONTRACTOR shall maintain and preserve utilities that traverse the site and serve premises as long as those utilities are required.
10. Initial stripping can occur only in an area of cut and the corresponding fill area required to construct the embankment along the downstream side of the basins. At the end of each day, when weather conditions warrant, and until such time as it is possible to construct sediment basins, the CONTRACTOR shall construct a sediment trap at any and all low spots where water falling on bare ground might leave the site. The temporary sediment traps shall conform to the Omaha Regional Stormwater Design Manual, Section 9.5.14. Once the sediment basin has been constructed and approval given by the INSPECTOR, stripping can occur throughout the balance of the site.
11. Topsoil shall be stripped to a depth of at least 4" and stockpiled on site for redistribution in future unpaved areas upon completion of grading. The location of the stripping stockpiles are at the discretion of the CONTRACTOR; however, stockpiles must be located within an area protected by stormwater pollution prevention measures.
12. Following stripping operations and removal of any observed unsuitable soils, the exposed soils shall be proofrolled with a fully loaded, tandem axle dump truck providing a minimum gross weight of 25 tons, or other equipment with an equivalent subgrade loading. Unsuitable soils observed during proofrolling shall be improved by scarification to a 9" depth and recompactd. Scarified soils which cannot be recompactd to specified density shall be undercut and replaced with stable fill.
13. Existing ditches and eroded areas shall be undercut a minimum of 12 inches on all bottoms and sides prior to placement of any fill. Separate payment will not be made for undercutting.
14. Fill and backfill material shall be impervious material (clay/silt) free of frost, snow, ice, concrete, brick, stone, refuse, cinder ashes, organic matter, or any other material deemed unsuitable by the ENGINEER.
15. All structural fill and backfill soils shall be low plasticity, cohesive soil that are free of organic material or debris. Structural fill/backfill materials shall have a Liquid Limit less than 45 and a Plasticity Index less than 20. Excavated site soils will generally be suitable for use as structural fill.
16. Fill Compaction Requirements:  
Shallow Foundations -  
Areas to receive fill shall be scarified to a minimum depth of 6". Fill shall be placed in lifts not to exceed 8" in loose thickness. Structural Fill shall be compacted to a minimum of 95% of the maximum dry density ASTM D-698 (Standard Proctor) ASTM D1557 (Modified Proctor) // at a moisture content between -1 and +3% of optimum. The Geotechnical Engineer shall observe and test bearing soils exposed in all foundation excavations.  
All Other Locations -  
Areas to receive fill shall be scarified to a minimum depth of 6". Fill shall be placed in lifts not to exceed 8" in loose thickness. Structural Fill shall Be compacted to a minimum of 95% of the maximum dry density (ASTM D-698, Standard Proctor) ASTM D1557 (Modified Proctor) at a moisture content between -1 and +3% of optimum.
17. PCC Sidewalks: Prepare subgrade as per notes and specifications identified on the Site Restoration Sheets.
18. Backfill soils around foundations, basement walls and retaining walls shall be compacted to a minimum of 95% of the maximum dry density (ASTM D-698, Standard Proctor) at a moisture content between -1% and +3% of optimum. Fill shall be placed in loose lifts appropriate to the equipment and methods used for compaction. Granular backfill shall not be used around foundation elements.

GENERAL GRADING NOTES

19. Backfill soils in utility trenches shall be compacted to a minimum of 95% of the maximum dry density as per ASTM D698 (Standard Proctor) at a moisture content between -1% and +3% of optimum. Fill shall be placed in loose lifts appropriate to the equipment and methods used for compaction. Granular backfill shall not be used in exterior trenches. A "trench plug" shall be constructed to a distance 5 feet from face of building exteriors. The plug material shall consist of a clay compacted at a water content at or above the soil's optimum water content. The clay fill should be placed to completely surround the utility line and compacted as described above.
20. Imported fill material, if required, shall be free of organic matter and debris, and shall be a clean, inorganic silt or lean clay with a Liquid Limit less than 45 and a Plasticity Index less than 20. Imported material shall not contain any foreign material or debris with a dimension greater than 3".
21. Any excess material shall be disposed of at an off-site at a location determined by the Contractor.
22. If unstable soils are encountered in the bottom of shallow foundations or subgrade areas, the Contractor shall implement over-excavation and backfill practices with a more suitable material. The Contractor shall contact the Geotechnical Engineer to identify limits and depths of over-excavation.
23. The Recommendations of the Geotechnical Report shall control in all instances where subgrade preparation, backfill and compaction are concerned.
24. All excavations shall be backfilled with suitable material and compacted as structural fill.
25. Where open excavations are not backfilled within 24 hours, the CONTRACTOR shall encircle the open area by a standard snow fence.
26. Fill placed on a slope steeper than a 5H:1V shall be benched before placing fill, with a maximum riser height on the order of 2', separated by horizontal steps that are wide enough to accommodate compaction equipment.
27. Fill and Backfill shall be inspected and tested periodically at the discretion of the ENGINEER for adherence to material, compaction, and moisture specifications.  
a. Fill or backfill failing to meet compaction and moisture content specifications shall be reworked and retested at the CONTRACTOR'S expense.  
b. Material deemed unsuitable by the ENGINEER shall be removed and replaced. Reimbursement for removal of unsuitable materials will be made at the contract unit price for, "EXCAVATION ON-SITE (ESTABLISHED QUANTITY)".
30. The CONTRACTOR shall give the ENGINEER 72 hours notice to allow time to perform a survey check of the graded site prior to respreading topsoil. The CONTRACTOR shall obtain the ENGINEER's approval of the work prior to respreading topsoil or removing equipment from the site. Any re-mobilization or re-work required due to the circumstances described in this paragraph shall be performed by the CONTRACTOR at no additional cost.
31. The final grade of street rights-of-way shall be within 0.2' +/- of the design grade. The final grade of the lots shall be within 0.5' +/- of the design grade. Any re-mobilization or re-work required to meet these tolerances shall be performed by the CONTRACTOR at no additional cost.
32. Exposed project site soils shall be stabilized as shown in the Site Restoration Plan.
33. All disturbed areas except those adjacent to the installed sheet pile wall and the street rights-of-way shall receive sod. Complete sod bed preparation and placement in accordance with Omaha Standard Specifications for Public Works Construction 2024 - Section 802. The sod shall be a first-class representation of the existing conditions. Sod shall be free of noxious weeds and relatively free of all other weeds. Sod fertilizer shall be an inorganic product containing ten (10) to twelve (12) percent each of nitrogen, phosphorus, and potassium in a recognized plant nutrient form. Sod fertilizer shall be in accordance with the current provisions of the Nebraska Fertilizer Act of 1955.
34. Areas to receive erosion control matting shall be seeded in accordance with the City of Omaha Type "Channel Seed Blend" mix.

PAVEMENT CONSTRUCTION NOTES

1. The paving system (concrete or asphalt pavement, reinforcing, subgrade, signage, striping, etc) shall supplied and installed in accordance with the Standard Specifications.
2. Concrete for the pavement slab shall be in accordance with the City of Omaha Specifications for Public Works Construction 2024 unless otherwise shown on plans.
3. All integral curbs shall be Type "C" in accordance with City of Omaha Standard Plate 502-01 unless otherwise shown on plans.
4. Water-reducing admixture shall be added to all hand-placed and finished concrete.
5. All pavement removals shall be saw cut. Pavement shall be removed in complete panels. Pavement removal limits may be adjusted in the field to match existing joints.
6. The CONTRACTOR shall scarify and recompact the subgrade to a depth of one foot. The top 12" of subgrade as described shall be compacted to 90% maximum dry density as determined in accordance with the most current edition of ASTM D1557 (Modified Method) with moisture limits of -3% to +4% optimum.
7. If adverse weather conditions occur and paving subgrade becomes too wet for the CONTRACTOR to work and meet the requirements of the Standard Specifications, the ENGINEER shall determine and direct the CONTRACTOR to use a fly ash stabilized subgrade. The rate and installation requirements shall be determined by the Geotechnical ENGINEER to be appropriate for the project conditions. CONTRACTOR shall be paid for the actual cost of the materials plus five percent (5%) and shall be paid for the actual cost of labor and equipment necessary to place and work the fly ash into the subgrade.

PAVEMENT CONSTRUCTION NOTES

8. Concrete thickened edges per Standard Plate 501-01 and 501-02 are required at locations where proposed paving ties into existing paving. Thickened edges shall not be paid for directly, but shall be subsidiary to items for which payment is made. Tie bars shall be required as directed by the ENGINEER.
9. A white pigmented liquid membrane-forming curing compound that has been approved by the State of Nebraska Department of Transportation shall be applied within one (1) hour after the pass of the paving machine or placement by other means. Apply liquid membrane-forming curing compound at the concentration and application rate recommended by the manufacturer.
10. A diamond edge saw blade shall be used for cutting all required contraction and longitudinal pavement joints.
11. Under no conditions will heavy equipment be allowed on concrete paving without proper planking or bridging, and then only with the approval of the ENGINEER.
12. Any existing manholes within the right-of-way shall be adjusted to match final grade after paving. For existing manholes with frame seals, the external frame seals shall be removed and reinstalled after paving operations. Adjustment to grade of any storm sewer manholes constructed under this contract shall be subsidiary to manhole construction.
13. All manhole, inlet, and valve covers within or nearby the paving area shall be removed or covered prior to placing pavement to avoid excess damage and concrete slop. Covers that cannot be cleaned and restored to like new condition shall be replaced at the CONTRACTORS expense.
14. Streets shall not be opened to public traffic prior to final acceptance by the City of Omaha Construction Division. Final acceptance shall include rectification of all punch list items and the submittal of mylar as-built drawings. Contact Matt Grosse (Phone: 402-444-5282; Email: [matthew.grosse@cityofomaha.org](mailto:matthew.grosse@cityofomaha.org)) to coordinate work associated with opening completed project streets.
15. The pavement shall be open for use in accordance with Section 500.03-O of the Standard Specifications.

SIDEWALK CONSTRUCTION NOTES

1. Sidewalk subgrade shall be prepared and compacted in accordance with the Standard Specifications. Subgrade compaction shall be incidental to the other bid items.
2. Concrete for the sidewalk slab shall be in accordance with the City of Omaha Specifications for Public Works Construction 2024 unless otherwise shown on plans.
3. Water-reducing admixture shall be added to all hand-placed and finished concrete.
4. Sidewalk widths shall be as shown on the plans. All dimensions referencing street pavement are shown to back of curb.
5. Sidewalk slope may be varied to suit existing conditions, but in no case shall the maximum cross slope exceed 2.0%, Variations to suit extreme conditions shall be as directed by the ENGINEER.
6. Within one (1) hour the concrete pavement shall be cured using a white pigmented liquid membrane-forming curing compound that has been approved by the State of Nebraska Department of Transportation. Apply liquid membrane-forming curing compound at the concentration and application rate recommended by the manufacturer.
7. Under no conditions will heavy equipment be allowed on concrete paving without proper planking or bridging, and then only with the approval of the ENGINEER. The pavement shall be open for use in accordance with Section 500.03 (O) of the Standard Specifications.
8. Rubble and waste materials shall be removed from the site and lawfully disposed, salvaged and recycled.
9. a) Joint spacing shall be equal to the width of the sidewalk.  
b) Contraction joints shall be scoured to a minimum depth of T/4, where T is the sidewalk thickness.  
c) Use sealing filler, hot poured type, on all expansion joints.



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Engineering • Planning • Environmental & Field Services



PORTAL RIDGE  
BANK STABILIZATION - SOUTH

SID 276  
SARPY COUNTY, NEBRASKA

NOTES

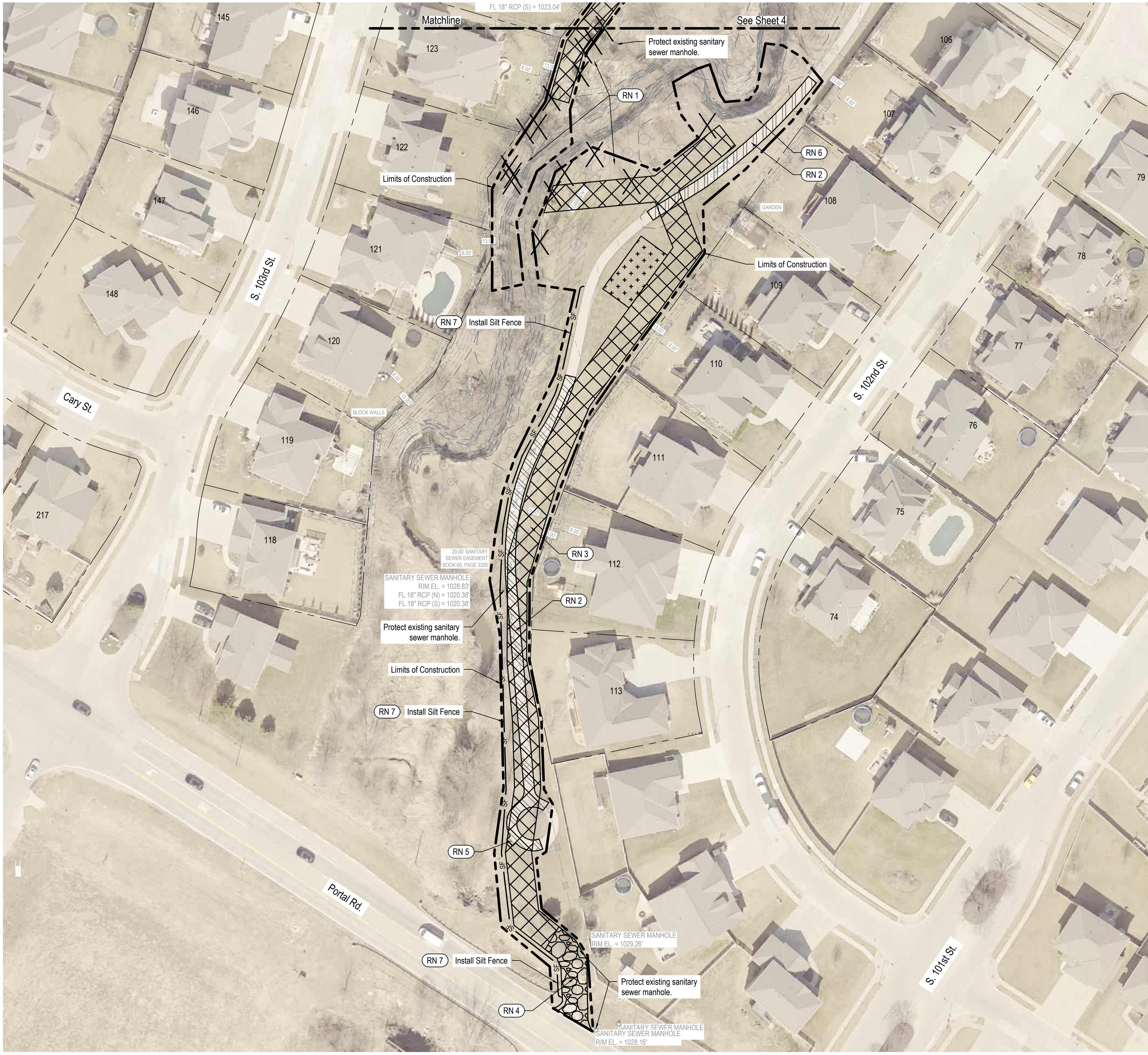


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Dial: 811  
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1 inch = 40 ft.

**LEGEND**  

Existing Contours

Limits of Construction

Proposed Access Route - RN 3

Materials Staging Area

Construction Entrance - RN 4

4\" PCC Sidewalk Removal - RN 2

Tree Removal - RN 1

Silt Fence - RN 7

**REFERENCE NOTES**

- RN 1

Remove trees required for construction activities. Remove trees in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 102. Number of trees affected are shown on the Cover Sheet - Approximate Bid Quantities table. Trees less than 9\" diameter shall be subsidiary to the General Clearing & Grubbing bid item.
- RN 2

Contractor shall remove existing sidewalk at nearest joint if possible, **4577 SF**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 105.
- RN 3

Contractor shall utilize access route for all heavy equipment necessary to install sheet pile at both project locations. Contractor shall protect existing concrete trail, fences, trees, and utilities when accessing the site via the proposed access route. Any damage to concrete, fences, trees and utilities shall be repaired or replaced to pre-construction conditions at the Contractor's expense.
- RN 4

Install and maintain a Construction Entrance, **1 EA**, and remove when construction activities are complete. Install per City of Omaha Standard Specifications for Public Works Construction 2024, Section 101 and Standard Plate Detail 101-04.
- RN 5

Contractor shall remove and reinstall trail bench, **1 EA**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 103.
- RN 6

Remove and reinstall existing wood post fence, **75 LF**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 103.
- RN 7

Install and maintain silt fence, **580 LF**, and remove when construction activities are complete. Install per City of Omaha Standard Specifications for Public Works Construction 2024, Section 101 and Standard Plate Detail 101-02.

**GENERAL SHEET NOTES:**

1.

Perform General Clearing and Grubbing within proposed access route, staging area, and excavation boundary, if necessary, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 102. Contractor shall adjust staging area and access route locations to minimize tree removal.
3.

Contractor shall perform street cleaning daily, if necessary, to ensure street remains clear of debris.
4.

All infrastructure not identified for removal shall be protected by the Contractor. Damaged existing infrastructure shall be replaced or repaired to pre-construction condition at Contractor's expense.
5.

Contractor shall install and maintain temporary traffic control devices in accordance with City of Omaha Standard Specifications for Public Works Construction 2024 and Barricading Standards, Specifications, Methods and Materials 2022.

**E & A CONSULTING GROUP, INC.**  
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State of NE Certificate of Authorization #CA0008

**E & A CONSULTING GROUP, INC.**  
Engineering Answers

PORTAL RIDGE  
BANK STABILIZATION - SOUTH

SID 276  
SARPY COUNTY, NEBRASKA

ACCESS I

PROFESSIONAL CIVIL ENGINEER  
TRAVIS A. FIGARD  
E-12019  
7/10/2024  
STATE OF NEBRASKA

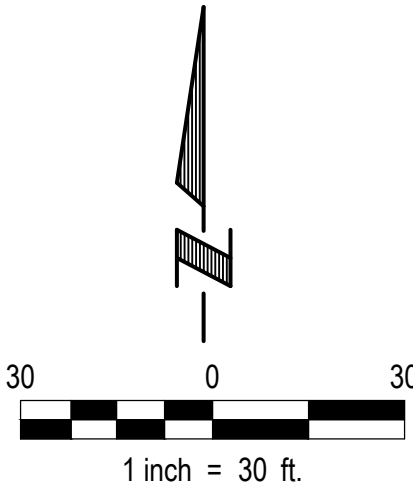
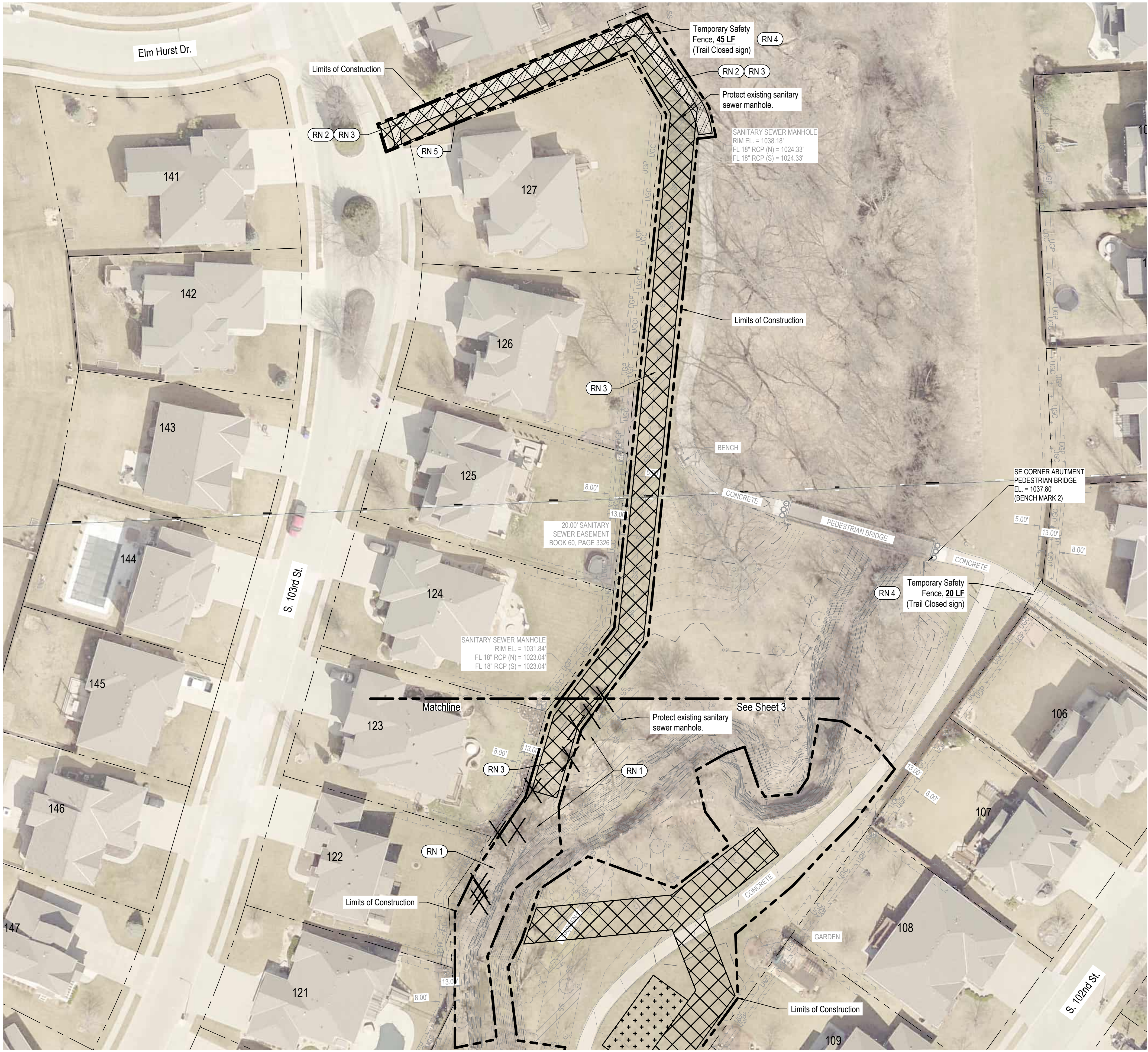
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LEGEND

- Existing Contours
- Limits of Construction
- Proposed Access Route - RN 3
- Materials Staging Area
- 4\"/>

REFERENCE NOTES

- Remove trees required for construction activities. Remove trees in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 102. Number of trees affected are shown on the Cover Sheet - Approximate Bid Quantities table. Trees less than 9\"/>

GENERAL SHEET NOTES:

- Perform General Clearing and Grubbing within proposed access route, staging area, and excavation boundary, if necessary, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 102. Contractor shall adjust staging area and access route locations to minimize tree removal.
- Contractor shall perform street cleaning daily, if necessary, to ensure street remains clear of debris.
- All infrastructure not identified for removal shall be protected by the Contractor. Damaged existing infrastructure shall be replaced or repaired to pre-construction condition at Contractor's expense.
- Contractor shall install and maintain temporary traffic control devices in accordance with City of Omaha Standard Specifications for Public Works Construction 2024.

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Engineering Answers

PORTAL RIDGE

BANK STABILIZATION - SOUTH

SID 276

SARPY COUNTY, NEBRASKA

PROFESSIONAL CIVIL ENGINEER

TRAVIS A. FIGARD

E-12019

STATE OF NEBRASKA

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Revisions	Description	Date
1	Perform General Clearing and Grubbing within proposed access route, staging area, and excavation boundary, if necessary, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 102. Contractor shall adjust staging area and access route locations to minimize tree removal.	JULY 2024

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- Legend:
- Existing Contours
  - Proposed Contours
  - Existing Fence
  - Construction Limits
  - Proposed Access Route

RN REFERENCE NOTES

- |      |  |
|------|--|
| RN 1 | Construct sheet pile retaining wall, <b>2040 SE</b> , in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 602. See detail on Sheet 7. Sheet pile shall be Skyline PZ22 sheet pile, or approved equal. See cross sections on this sheet. |
| RN 2 | Contractor shall utilize corner piles where horizontal deflections exceed maximum swing angle of ball and socket connections.  |
| RN 3 | Contractor shall ensure sheet pile alignment has been field verified by the Engineer prior to installation.  |
| RN 4 | Backfill sheet pile as shown in details on Sheet 7 and to the lines / grades shown on this sheet.  |

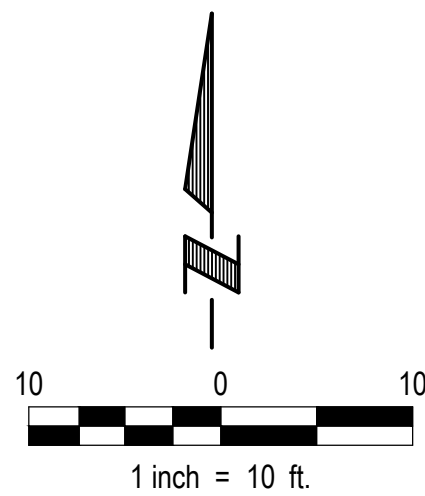
SHEET PILE STAKING POINTS				
Point #	Northing	Easting	Top of Wall Elevation	Description
1	512740.2431	2722118.7898	1032.0	Sheet Pile Alignment
2	512731.8219	2722111.5354	1033.0	Sheet Pile Alignment
3	512713.3704	2722108.0265	1033.0	Sheet Pile Alignment
4	512709.7242	2722106.8829	1033.0	Sheet Pile Alignment
5	512706.2874	2722105.2839	1033.0	Sheet Pile Alignment
6	512703.8235	2722103.6195	1033.0	Sheet Pile Alignment
7	512702.4419	2722102.3681	1033.0	Sheet Pile Alignment
8	512700.6614	2722100.1884	1033.0	Sheet Pile Alignment
9	512699.0434	2722097.8351	1033.0	Sheet Pile Alignment
10	512696.9453	2722094.2469	1033.0	Sheet Pile Alignment
11	512695.5459	2722090.4006	1033.0	Sheet Pile Alignment
12	512694.8472	2722086.4298	1033.0	Sheet Pile Alignment
13	512693.7864	2722071.2480	1033.0	Sheet Pile Alignment
14	512703.3405	2722060.3439	1033.0	Sheet Pile Alignment
15	512707.3902	2722060.1016	1033.0	Sheet Pile Alignment
16	512712.3807	2722054.4765	1032.0	Sheet Pile Alignment







SITE PLAN VIEW



LEGEND

- Existing Contours
- Proposed Contours
- Existing Fence
- Construction Limits
- Proposed Access Route

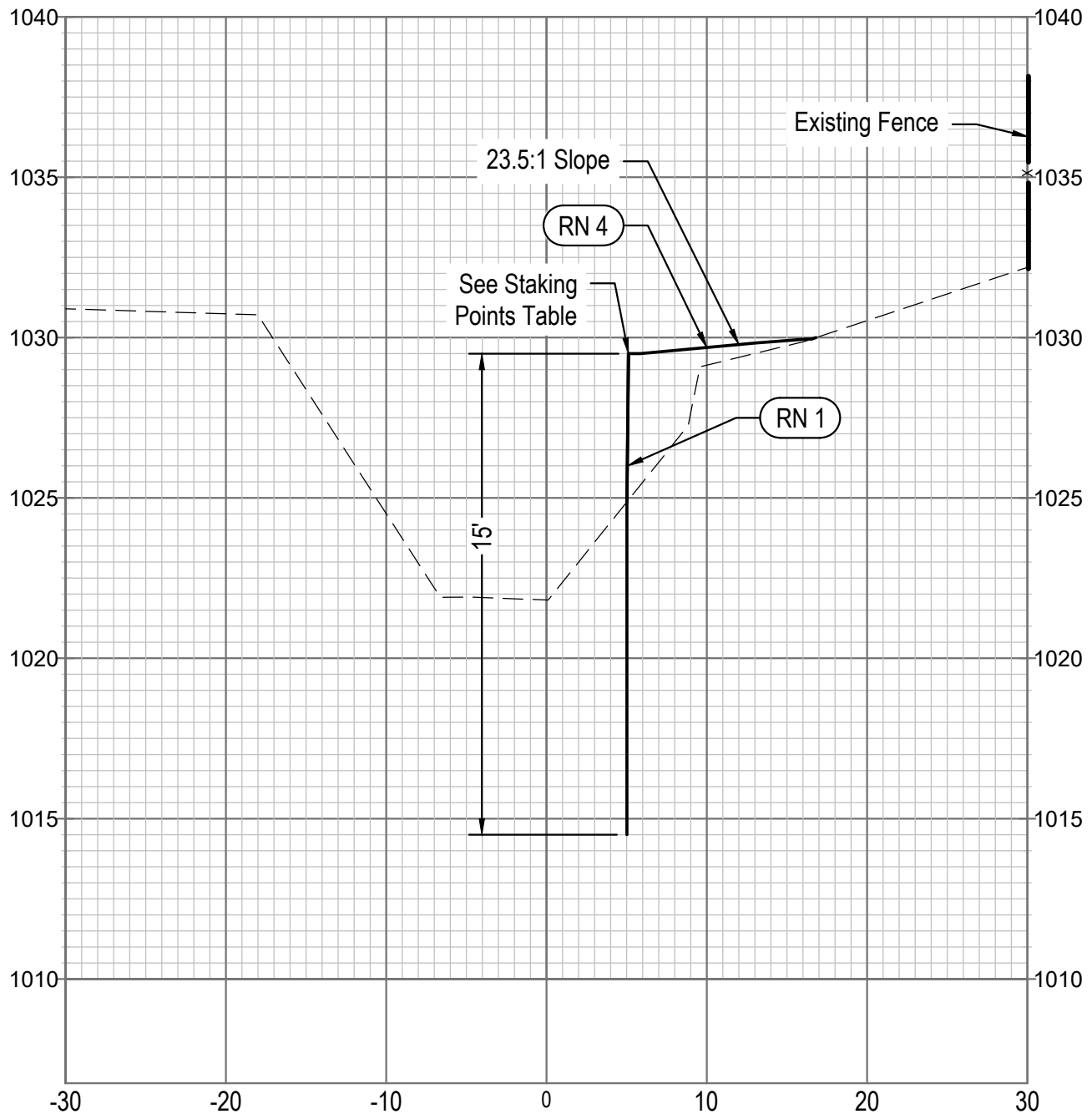
REFERENCE NOTES

- RN 1 Construct sheet pile retaining wall, **1970 SF**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 602. See detail on Sheet 7. Sheet pile shall be Skyline PZ22 sheet pile, or approved equal. See cross sections on this sheet.
- RN 2 Contractor shall utilize corner piles where horizontal deflections exceed maximum swing angle of ball and socket connections.
- RN 3 Contractor shall ensure sheet pile alignment has been field verified by the Engineer prior to installation.
- RN 4 Backfill sheet pile as shown in details on Sheet 7 and to the lines / grades shown on this sheet.
- RN 5 All heavy equipment shall be confined to east bank. West bank access shall be limited to small equipment not to exceed standard skid-steer and mini-excavator.

SHEET PILE STAKING POINTS

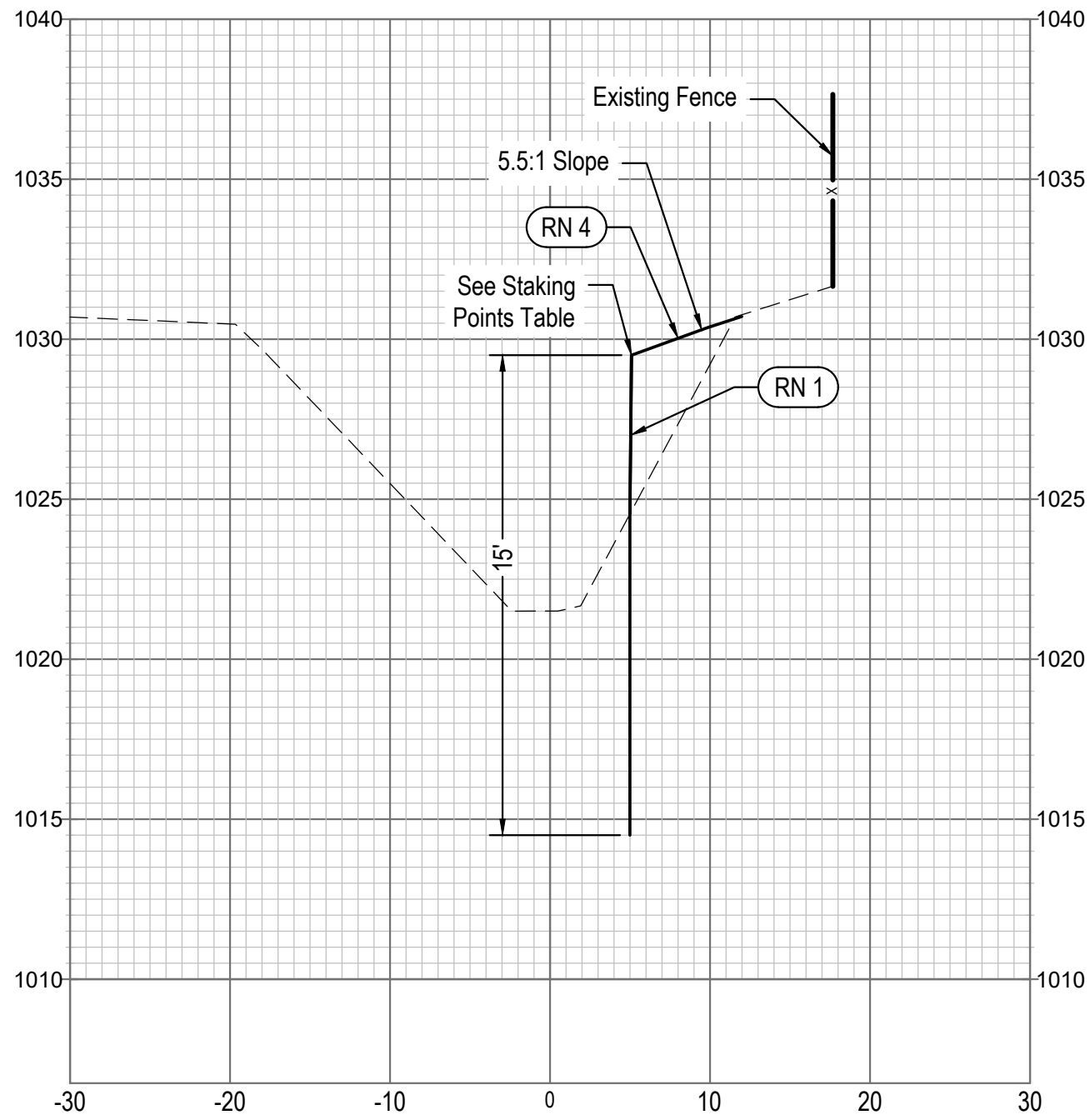
Point #	Northing	Easting	Top of Wall Elevation	Description
17	512683.3398	2721941.1282	1029.5	Sheet Pile Alignment
18	512672.6011	2721940.3630	1029.5	Sheet Pile Alignment
19	512665.4728	2721931.8078	1029.5	Sheet Pile Alignment
20	512660.2638	2721927.3939	1029.5	Sheet Pile Alignment
21	512651.7637	2721922.2336	1029.5	Sheet Pile Alignment
22	512618.2832	2721907.2795	1029.5	Sheet Pile Alignment
23	512612.6445	2721905.8386	1029.5	Sheet Pile Alignment
24	512607.2232	2721905.2654	1029.5	Sheet Pile Alignment
25	512569.4901	2721907.3121	1029.5	Sheet Pile Alignment
26	512564.6427	2721903.0087	1029.5	Sheet Pile Alignment

Scale: Horiz. 1"=10'  
Vert. 1"=5'



SHEET PILE WALL SECTION VIEW - STA. 0+10.00

Scale: Horiz. 1"=10'  
Vert. 1"=5'



SHEET PILE WALL SECTION VIEW - STA. 0+90.00



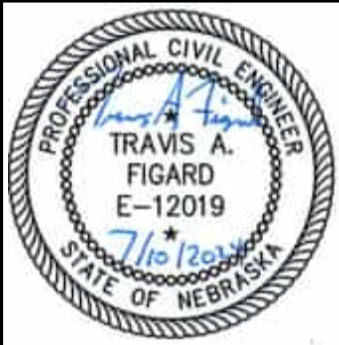
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PORTAL RIDGE  
BANK STABILIZATION - SOUTH  
SID 276  
SARPY COUNTY, NEBRASKA

SITE PLAN AND CROSS  
SECTIONS II



Revisions

Date

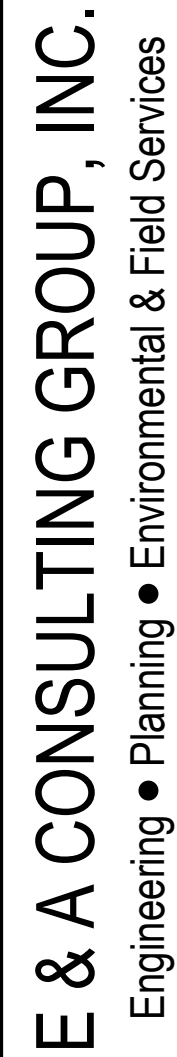
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6 of 13

Sheet





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PORTAL RIDGE  
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SID 276  
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## DETAILS



Proj No:	2005.054.009
Date:	JULY 2024
Designed By:	JAS
Drawn By:	MUG
Scale:	AS SHOWN
Sheet:	7 of 13

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**SHEET PILE RETAINING WALL TYPICAL DETAIL**

**NOT TO SCALE**

1. Contractor shall install 2" Perforated Underdrain Pipe, **240 LF**, as shown, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 305, for pipe material and installation requirements. The Underdrain Pipe shall outlet on both upstream and downstream sides of the Sheet Pile as shown. The Underdrain Pipe shall have a minimum slope of 1% to both outlets.
2. Excavation and benching activities required for 2" Perforated Underdrain Pipe installation are subsidiary to the Underdrain Pipe.
3. Contractor shall install drain fill, **70 TON**, as shown. Drain fill shall meet the requirements of Granular Backfill material described in the City of Omaha Standard Specifications for Public Works Construction 2024, Section 305. Contractor shall place Mirafi 180N Geotextile Fabric, **210 SY**, or approved equal, as shown. These items are subsidiary to the Underdrain Pipe.
4. Contractor shall place General Fill material, **110 CY**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 200. Contractor shall use suitable on-site material from benching activities as General Fill, additional fill material shall be imported from off-site to complete embankment. Imported fill material shall meet the City of Omaha Standard Specifications for Public Works Construction 2024, Section 200, for borrow material and have a maximum Wet Unit Weight of 120 pcf. General fill activities are subsidiary to Underdrain Pipe
5. Contractor shall utilize Sheet Pile fitting to terminate 2" Perforated Underdrain Pipe at face of Sheet Pile. Elbows may be required to align the Underdrain Pipe correctly with Sheet Pile fitting. All pipe fittings required for the outlet are subsidiary to the installation of the Underdrain Pipe.

**PERFORATED UNDERDRAIN PIPE OUTLET TYPICAL DETAIL A-A**

**NOT TO SCALE**

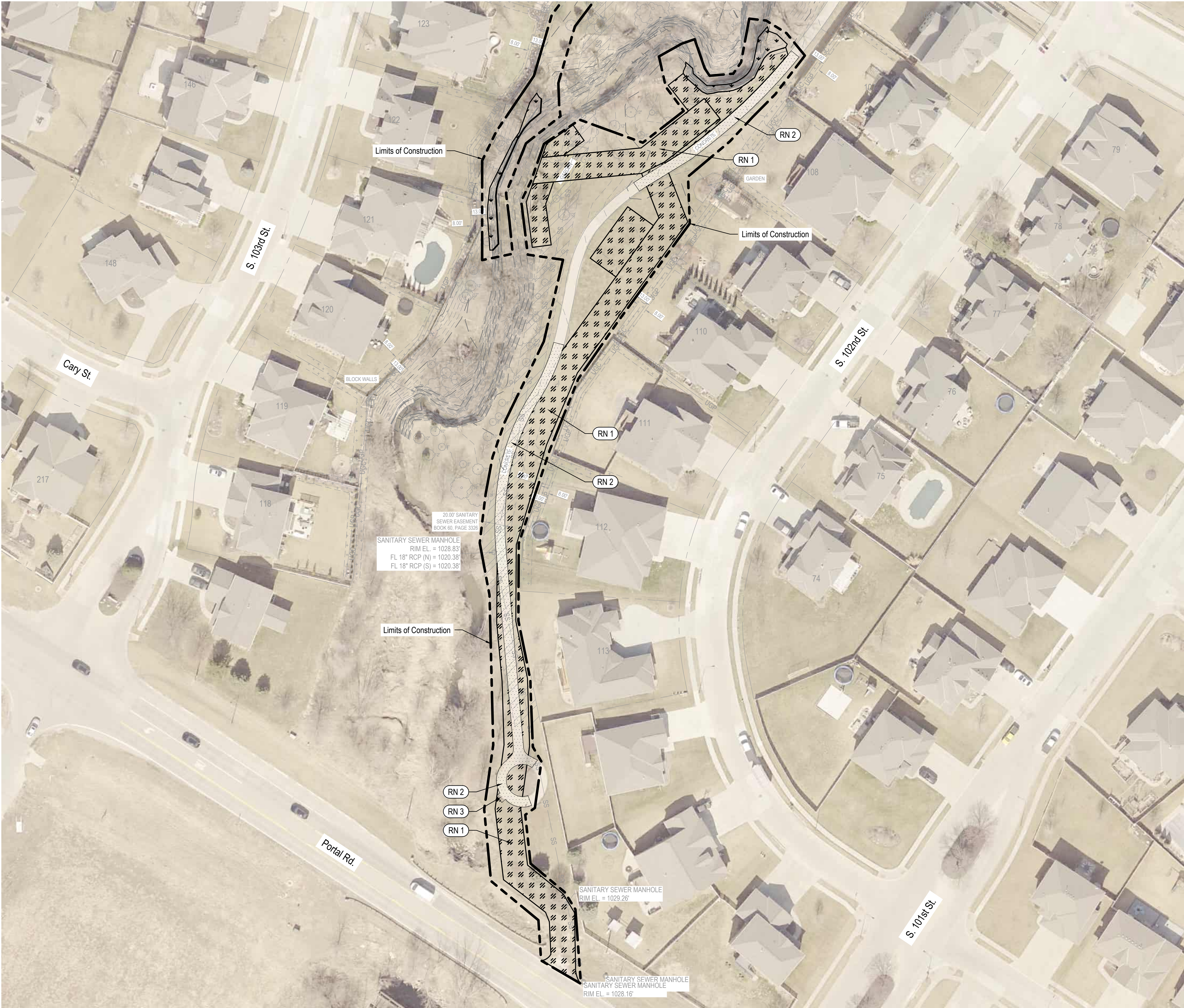
Sieve Size	Allowable Percent Passing
1"	100
3/4"	98±2
#10	23±8
#50	5±5
#200	2±2

## TYPICAL SIDEWALK DETAIL

NOT TO SCALE

1. Sidewalk cross slope may vary to suit existing condition, but in no case shall it exceed 2%.  
\* Sidewalk slope direction shall match existing condition.
2. Use sealing filler, hot poured type, on all expansion joints.
3. Joint spacing shall be equal to the width of the sidewalk.



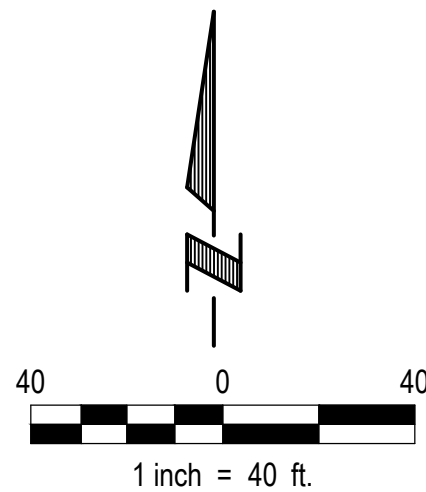


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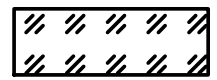
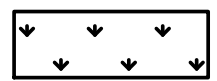


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LEGEND

-  Seeding (B Seed Blend) & Mulch
-  Seeding (Channel Seed Blend) & Matting
-  4" PCC Sidewalk
-  Limits of Construction

RN REFERENCE NOTES

- RN 1 Disturbed area outside sheet pile backfill shall be seeded and mulched when construction activities are complete. Seeding shall be Type 'B Seed Blend', **2025 SY**, or approved equal, installed conforming to City of Omaha Standard Specifications for Public Works Construction 2024, Section 800. Mulch shall be hay or straw mulch, **2025 SY**, placed in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 800.
- RN 2 Construct 4" PCC Sidewalk, **4577 SF**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 500. See typical detail on Sheet 7.
- RN 3 Reinstall trail bench in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 103.

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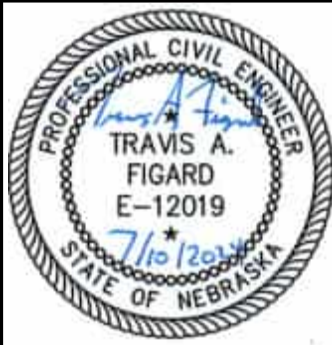


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SID 276  
SARPY COUNTY, NEBRASKA

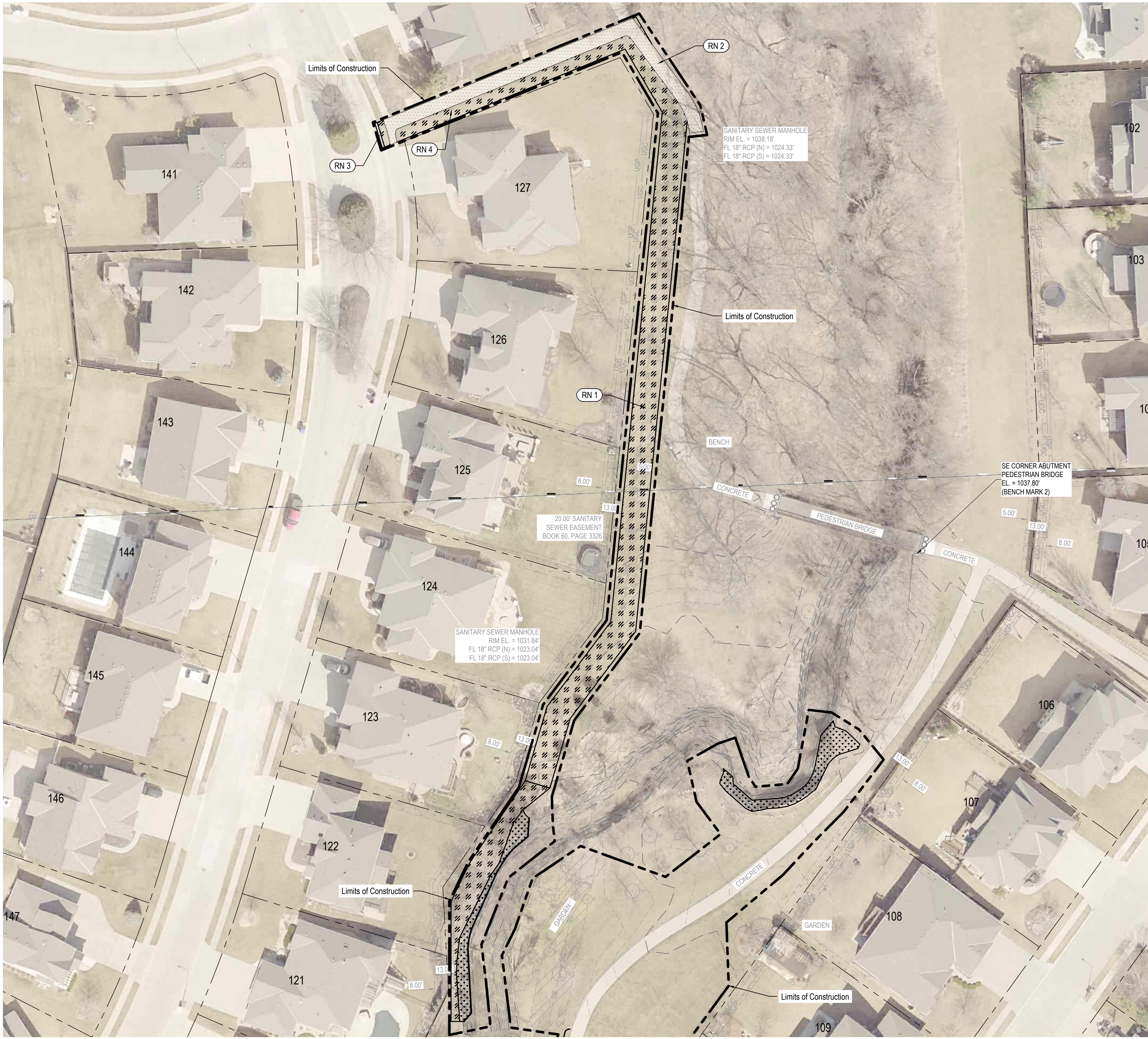
SITE RESTORATION I



Proj No:	Revisions		Date	Description
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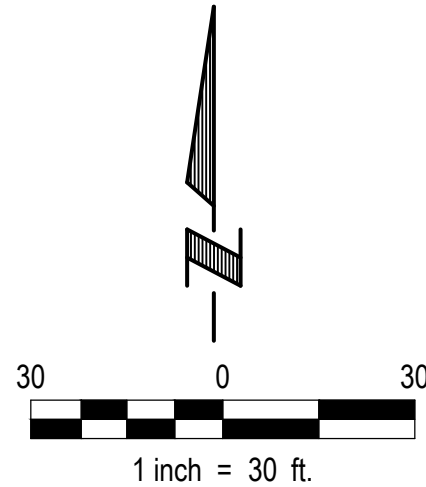


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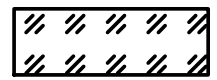
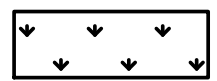


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LEGEND

-  Seeding (B Seed Blend) & Mulch
-  Seeding (Channel Seed Blend) & Matting
-  4" PCC Sidewalk
-  Limits of Construction

**RN** REFERENCE NOTES

- RN 1** Disturbed area outside sheet pile backfill shall be seeded and mulched when construction activities are complete. Seeding shall be Type 'B Seed Blend', **1005 SY**, or approved equal, installed conforming to City of Omaha Standard Specifications for Public Works Construction 2024, Section 800. Mulch shall be hay or straw mulch, **1005 SY**, placed in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 800.
- RN 2** Construct 4" PCC Sidewalk, **1853 SF**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 500. See typical detail on Sheet 7.
- RN 3** Contract shall repair curb and gutter, **15 LF**, in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 1002.
- RN 4** Reinstall sign in accordance with City of Omaha Standard Specifications for Public Works Construction 2024, Section 103.

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PORTAL RIDGE

BANK STABILIZATION - SOUTH

SID 276

SARPY COUNTY, NEBRASKA

SITE RESTORATION II

PROFESSIONAL CIVIL ENGINEER

TRAVIS A. FIGARD

E-12019

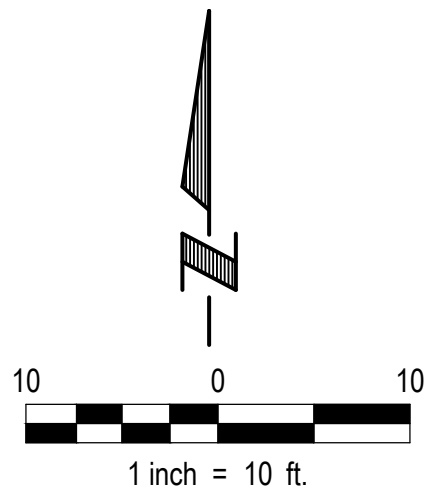
STATE OF NEBRASKA

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UPSTREAM PLAN VIEW

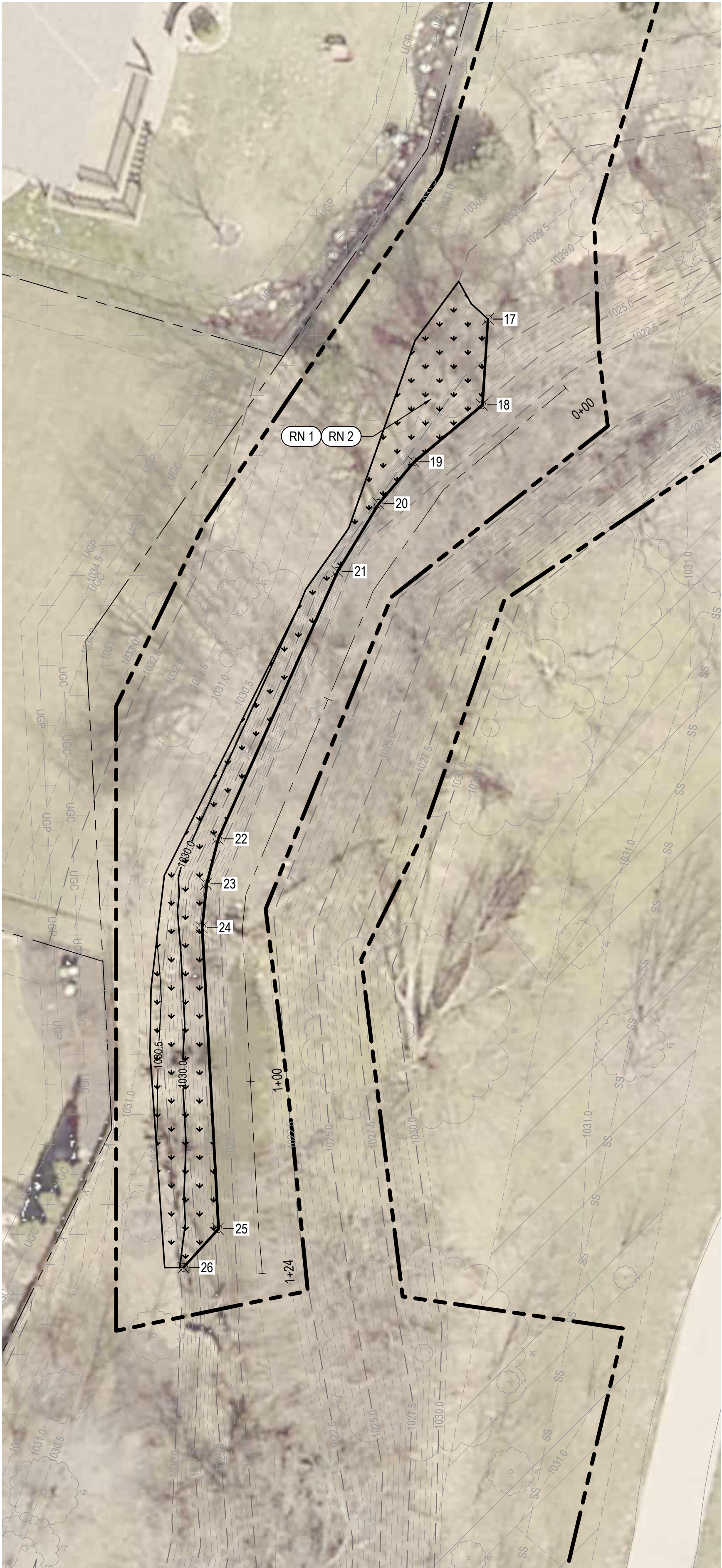


LEGEND

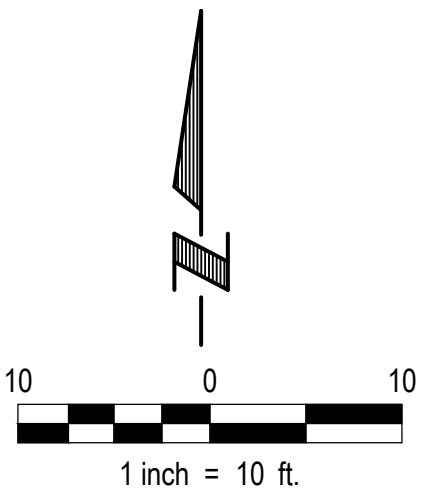
- Seeding & Matting
- Limits of Construction

RN REFERENCE NOTES

- RN 1 Place 6" of topsoil, **92 SY**, on top of compacted sheet pile backfill. Fine grade topsoil to proposed grade. Utilize stockpiled topsoil and imported topsoil (if needed) to achieve required thickness.
- RN 2 Sheet pile backfill area shall be seeded and matted with Rolled Erosion Control blanket once topsoil placement is complete. Seeding shall be Type 'Channel Seed Blend', **92 SY**, or approved equal, installed conforming to City of Omaha Standard Specifications for Public Works Construction 2024, Section 800. Contractor shall install Rolled Erosion Control - Type I blanket, **92 SY**, or approved equal, conforming to City of Omaha Standard Specifications for Public Works Construction 2024, Section 800 and installed according to manufacture's recommendations.



DOWNSTREAM PLAN VIEW



LEGEND

- Seeding & Matting
- Limits of Construction

RN REFERENCE NOTES

- RN 1 Place 6" of topsoil, **78 SY**, on top of compacted sheet pile backfill. Fine grade topsoil to proposed grade. Utilize stockpiled topsoil and imported topsoil (if needed) to achieve required thickness.
- RN 2 Sheet pile backfill area shall be seeded and matted with Rolled Erosion Control blanket once topsoil placement is complete. Seeding shall be Type 'Channel Seed Blend', **78 SY**, or approved equal, installed conforming to City of Omaha Standard Specifications for Public Works Construction 2024, Section 800. Contractor shall install Rolled Erosion Control - Type I blanket, **78 SY**, or approved equal, conforming to City of Omaha Standard Specifications for Public Works Construction 2024, Section 800 and installed according to manufacture's recommendations.

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SARPY COUNTY, NEBRASKA

SITE RESTORATION III

PROFESSIONAL CIVIL ENGINEER  
TRAVIS A. FIGARD  
E-12019  
STATE OF NEBRASKA

Proj No:	Revisions		Date	Description
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2005.054.109				
Date:	JULY 2024	JAS		
Designed By:		MUG		
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Sheet:	10	of	13	



MAINTENANCE SCHEDULE:

The following Maintenance Schedule has been provided. The INSPECTOR must perform the Inspections. The OPERATOR/CONTRACTOR must perform all needed maintenance. Furthermore, all erosion control features requiring maintenance may not be listed below. The OPERATOR/CONTRACTOR and INSPECTOR must perform their respective duties on all BMP's that are not listed below as well.

- Construction Entrance - The entrance shall be maintained in a condition which will prevent tracking or flow of sediment onto public rights-of-way. This may require periodic top dressing with additional stone or the reworking of existing stone as conditions demand and repair and/or cleanout of any structures used to trap sediment. All materials spilled, dropped, washed, or tracked from vehicles onto roadways or into storm drains must be removed immediately. The use of water trucks to remove materials dropped, washed, or tracked onto roadways will not be permitted under any circumstances.
- Wattle - Minimal maintenance is required. Periodically inspect wattles to verify the wattle is still firmly anchored and not damaged. Inspect wattles after prolonged rain events. Replace or repair missing or damaged wattles as necessary. When using wattles on rough surfaces such as pavement, wattles are more easily damaged and should be inspected more frequently to prevent wattle content from entering storm inlets, especially if the wattle is being used to protect the storm inlet.
- Silt Fence - The maintenance measures are as follows; (2.1) silt fences shall be inspected immediately after each rainfall and at least daily during prolonged rainfall, any required repairs shall be made immediately; (2.2) close attention shall be paid to the repair of damaged silt fence resulting from end runs and undercutting; (2.3) should the fabric on a silt fence decompose or become ineffective prior to the end of the expected usable life and the barrier is still necessary, the fabric shall be replaced promptly; (2.4) sediment deposits must be removed when the level of deposition reaches approximately one-half the height of the barrier; and (2.5) any sediment deposits remaining in place after the silt fence is no longer required shall be dressed to conform to the existing grade, prepared and seeded.
- Storm Drain Inlet Protection - The maintenance measures are as follows; (3.1) structures shall be inspected after each rain and repairs made as necessary and (3.2) structures shall be removed and the area stabilized when the remaining drainage area has been properly stabilized.
- Temporary Seeding - Areas which fail to establish vegetative cover adequate to prevent rill erosion will be re-seeded as soon as such areas are identified. Control weeds by mowing.
- Permanent Seeding - The maintenance measures are as follows: (9.1) in general, a stand of vegetation cannot be determined to be fully established until it has been maintained for one full year after planting; (9.2) new seedlings shall be supplied with adequate moisture, supply water as needed, especially late in the season, in abnormally hot or dry conditions, or on adverse sites, water applications shall be controlled to prevent excessive runoff; (9.3) inspect all seeded areas for failures and make necessary repairs, replacements, and reseedings within the planting season, if possible; [9.3a] if stand is inadequate for erosion control, over seed and fertilize using half of the rates originally specified; [9.3b] if stand is 60% damaged, re-establish following seedbed and seeding recommendations; [9.3c] if stand has less than 40% cover, re-evaluate choice of plant materials and quantities of lime and fertilizer, the soil must be tested to determine if acidity or nutrient imbalances are responsible, re-establish the stand following seedbed and seeding recommendations.
- Soil Stabilization Blankets & Matting - All soil stabilization blankets and matting should be inspected periodically following installation, particularly after rainstorms to check for erosion and undermining. Any dislocation or failure should be repaired immediately. If washouts or breakage occurs, reinstall the material after repairing damage to the slope or ditch. Continue to monitor these areas until which time they become permanently stabilized; at that time an annual inspection should be adequate.
- Street Cleaning/Sweeping - The maintenance measures are as follows; (12.1) evaluate access points daily for sediment tracking; (12.2) when tracked or spilled sediment is found on paved surfaces, it will be removed daily, during times of heavy track-out such as during rains, cleaning may be done several times throughout the day; (12.3) unknown spills or objects will not be mixed with the sediment; and (12.4) if sediment is mixed with other pollutants, it will be disposed of properly at an authorized landfill. Streets are to be cleaned immediately and at minimum, before the next business day.

GENERAL NOTES

- All OPERATORS/CONTRACTORS must confirm with the APPLICANT that any and all applicable governmental approvals have been received prior to the start of work.
- BMP's may not be removed without INSPECTOR and applicable government approval.
- The APPLICANT, INSPECTOR, and CONTRACTORS/OPERATORS must adhere to all Good Housekeeping BMP's presented within the Omaha Regional Stormwater Design Manual Chapter 9 Section 9.6. Good Housekeeping BMP's focus on keeping the work site clean and orderly while handling materials and waste in a manner that eliminates the potential for pollutant runoff. Good Housekeeping BMP's such as Sanitary Waste Management (9.6.2), Solid Waste Management (9.6.3), Material Delivery & Storage (9.6.4), Street Cleaning/Sweeping (9.6.5), and Vehicle & Equipment Fueling (9.6.6) must be addressed when applicable. The aforementioned publications can be found at <http://www.omahastormwater.org>.

STANDARD DETAILS

NUMBER	NAME	LOCATION
9.5.2	Construction Entrance	Omaha Regional Stormwater Design Manual
9.5.3	Construction Road Stabilization	Omaha Regional Stormwater Design Manual
9.5.4	Silt Fence	Omaha Regional Stormwater Design Manual
9.5.5	Storm Drain Inlet Protection	Omaha Regional Stormwater Design Manual
9.5.16	Dust Control	Omaha Regional Stormwater Design Manual
9.5.19	Temporary Seeding	Omaha Regional Stormwater Design Manual
9.5.20	Permanent Seeding	Omaha Regional Stormwater Design Manual
9.5.21	Sodding	Omaha Regional Stormwater Design Manual
9.5.23	Soil Stabilization Blankets & Matting	Omaha Regional Stormwater Design Manual
9.5.25	Wattle	Omaha Regional Stormwater Design Manual
9.6.1	Construction Scheduling & Matting	Omaha Regional Stormwater Design Manua
9.6.2	Sanitary Waste Management	Omaha Regional Stormwater Design Manual
9.6.3	Solid Waste Management	Omaha Regional Stormwater Design Manual
9.6.4	Material Delivery And Storage	Omaha Regional Stormwater Design Manual
9.6.5	Street Cleaning/Sweeping	Omaha Regional Stormwater Design Manual
9.6.6	Vehicle And Equipment Fueling	Omaha Regional Stormwater Design Manual
9.6.8	Concrete Washout	Omaha Regional Stormwater Design Manual

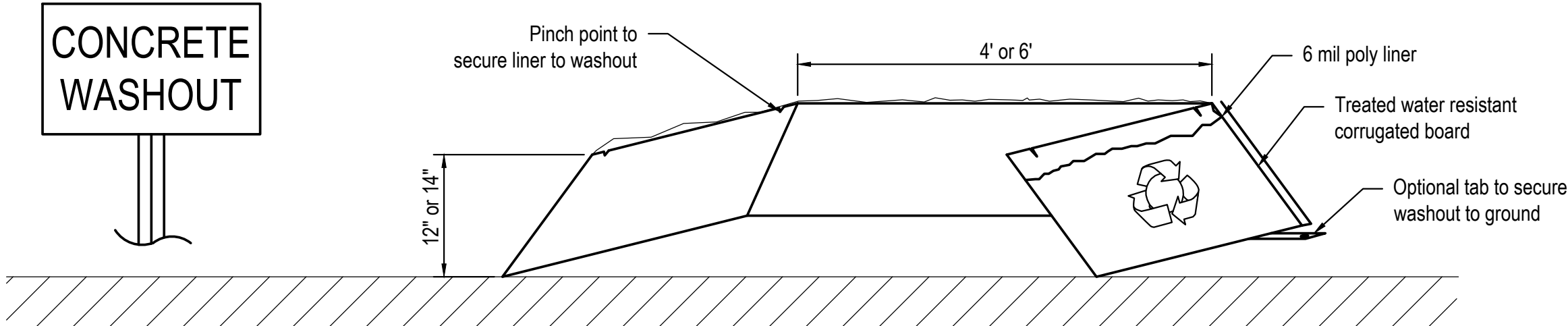
The Omaha Regional Stormwater Design Manual can be found at: <http://www.omahastormwater.org>.  
The City of Omaha Standard Plates are at: <http://publicworks.cityofomaha.org/2024-standard-plate-list>

SEEDING NOTES:

- Seed to be installed as per City of Omaha specifications. Contractor shall refer to plans for specific locations of which seed to be installed.
- Contractor to use Rolled Erosion Control Type - I or Approved Equivalent.
- Soil prep and fine grading shall be included in the price bid for seeding.
- Contractor to coordinate work with other amenities/utilities contractors & silt fence removal (if needed).

CONSTRUCTION ACTIVITIES & SCHEDULING

ACTIVITY	SCHEDULE
Install all BMP's needed and associated with the Grading Phase such as stabilized construction entrances, silt basins, riser pipes, outlet pipes, silt traps, silt fence, diversions, terraces, etcetera.	Prior to any stripping of existing vegetation or grading.
Proceed with stripping of existing vegetation and grading in accordance with the grading plan, while disturbing no more than is necessary.	After Installing all BMP's needed and associated with the Grading Phase. Furthermore, INSPECTOR approval must be obtained before the start of any stripping of existing vegetation or grading.
Proceed with infrastructure installation.	Infrastructure installation must occur prior to any lot development.
Implement the installation of Temporary Seeding, Permanent Seeding, and/or Mulching.	Stabilization measures must be initiated as soon as possible in portions of the site where construction activities have temporarily or permanently ceased, but in no case more than 14 days after the construction activity in that portion of the site has temporarily or permanently ceased.
Implement the Installation all BMP's needed and associated with the Building Phase.	Building Phase BMP's must be installed concurrently with lot development.
Proceed with removal of BMP's.	BMP's may not be removed until each impacted drainage basin has been fully developed. Full development shall mean installation of pavement, buildings, and utilities, landscaping, and fully established permanent seeding. Furthermore, INSPECTOR approval must be obtained before the removal of any BMP's.



NOTES:

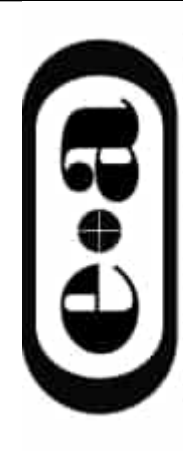
- The concrete washout area shall be installed prior to any concrete placement on this project. Install washout area on a level surface. Use Disposable Concrete Washout or approved equal conforming to Section 9.6.8 of the Omaha Regional Stormwater Design Manual.
- Signs shall be placed as necessary to clearly indicate the location of the concrete washout.
- The concrete washout area will be replaced as necessary to maintain capacity for waste concrete and other liquid waste.
- Washout residue shall be removed from the site and disposed of at an approved waste site.
- Do not mix excess amounts of fresh concrete or cement on-site.
- Do not wash out concrete trucks into storm drains, open ditches, streets, or streams.
- Do not dump excess concrete in non-designated dumping areas.
- Locate washout area at least 50' (15 meters) from storm drains, open ditches, or waterbodies.
- Wash out wastes into the Outpack Washout as shown where the concrete can set, be broken up, and then disposed of properly.

CONCRETE WASHOUT  
NOT TO SCALE



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SITE RESTORATION  
NOTES



Revisions	Description	
	Date	
1	JULY 2024	JAS
2		MUG
3		AS SHOWN
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Proj No: 2005.054.009

Date: JULY 2024

Designed By: JAS

Drawn By: MUG

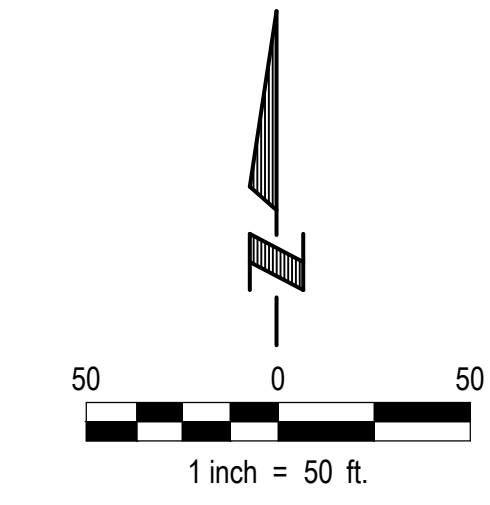
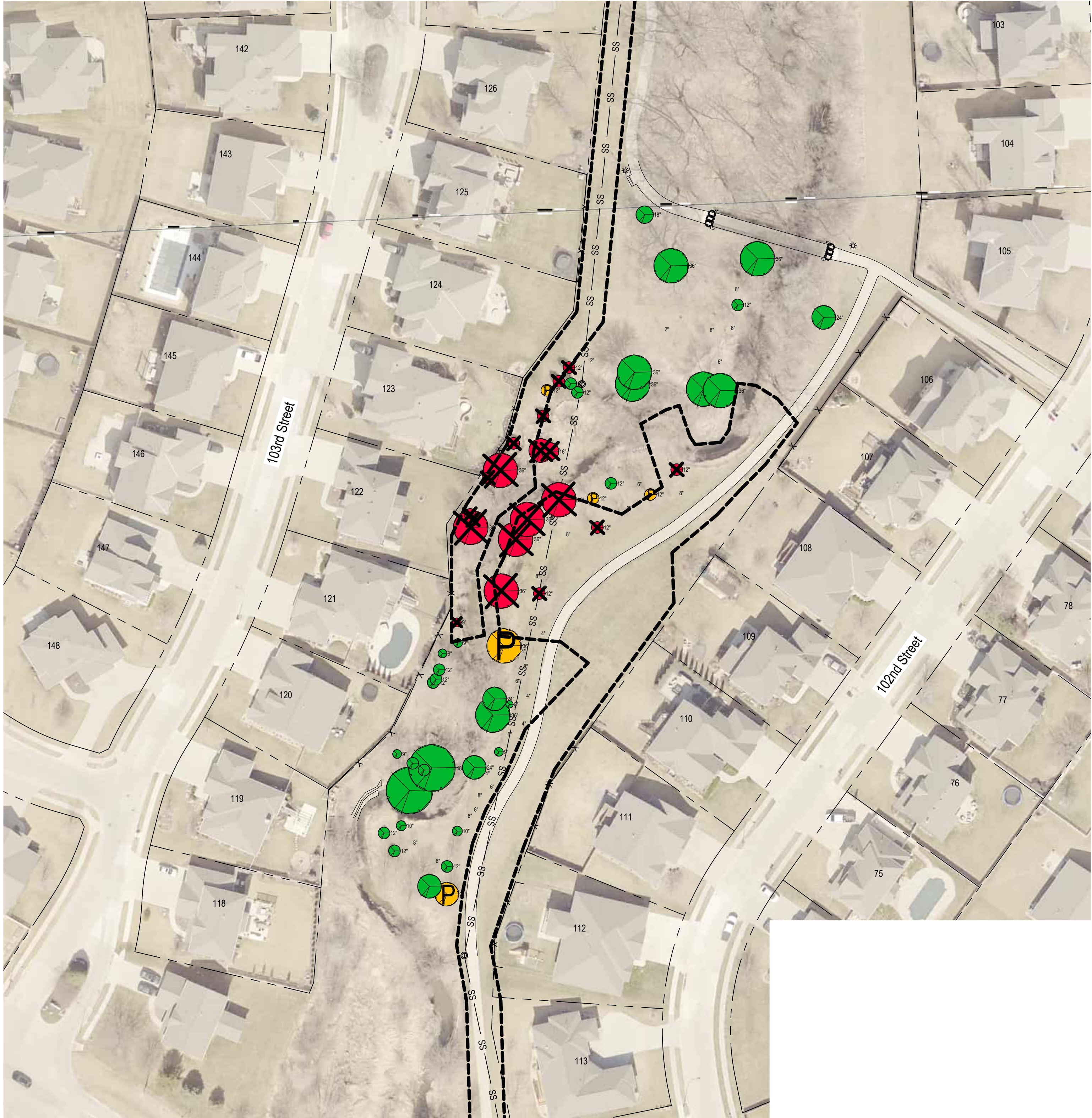
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- LEGEND:**
- Limits of Construction
  - Remove & Dispose Existing Tree OR Relocate.  
- Contractor shall coordinate with E & A Consulting Group, Inc.
  - Existing Trees To Remain
  - Existing Trees To Remain & Be Protected By Contractor.

ne1call.com

**Nebraska 811**

know what's below.  
Call before you dig.

Proj No: 2005.054.009

Date: JULY 2024

Designed By: JAS

Drawn By: MUG

Scale: AS SHOWN

Sheet: 12 of 13

Revisions

Rev	Date	Description
-----	------	-------------

Professional Seal

TRAVIS A. FIGARD

E-12019

7/10/2024

STATE OF NEBRASKA

LANDSCAPE REMOVALS PLAN

PORTAL RIDGE

BANK STABILIZATION - SOUTH

SID 276

SARPY COUNTY, NEBRASKA

E & A CONSULTING GROUP, INC.

Engineering Answers

Engineering • Planning • Environmental & Field Services

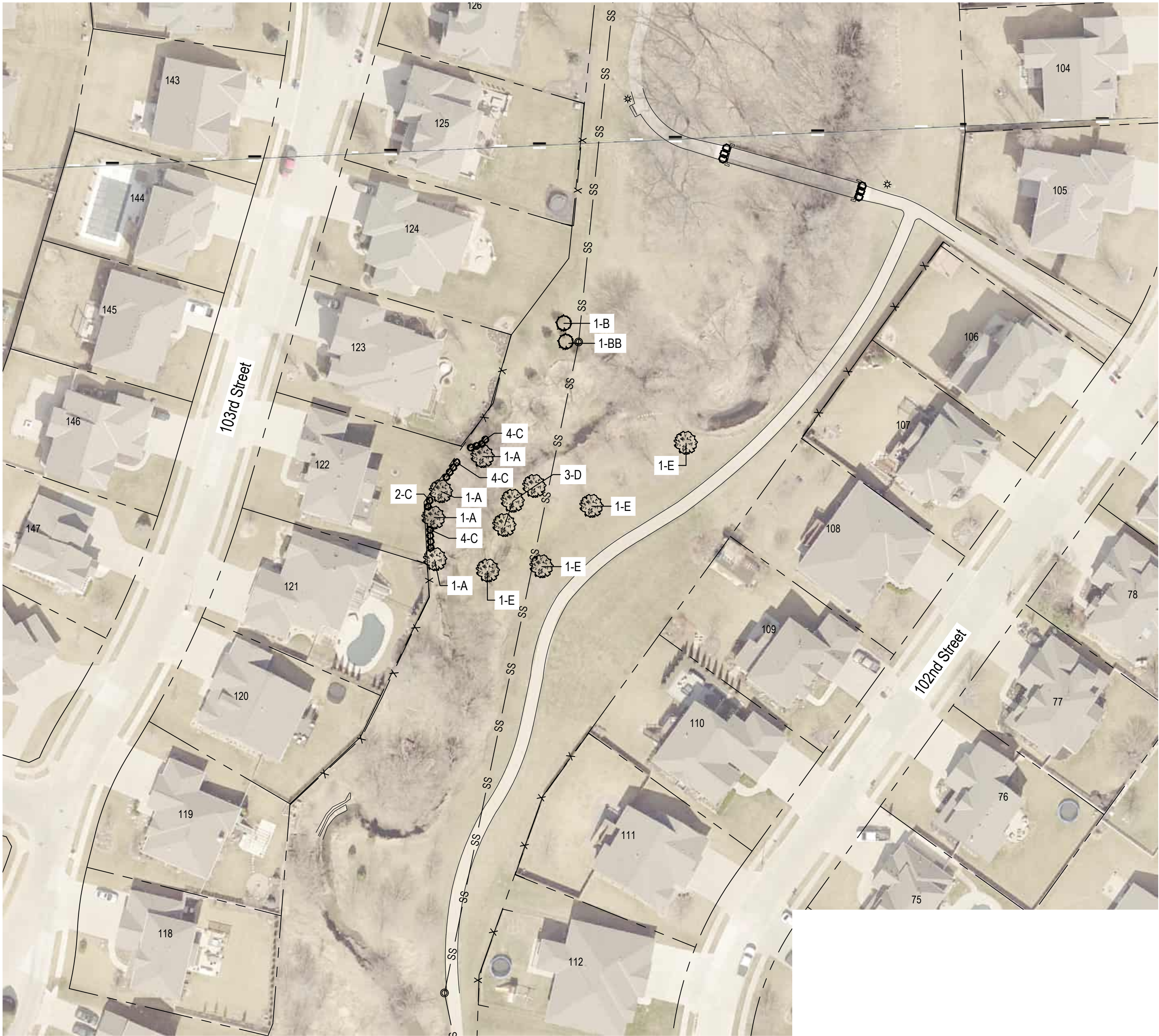
10303 Mill Valley Road, Suite 100 • Omaha, NE 68154

Phone: 402.895.7700 • Fax: 402.895.3559

www.eaag.com

State of NE Certificate of Authorization #CA0008





LANDSCAPE NOTES:

1. Locate and verify the location of all underground utilities prior to the start of any construction. Care should be taken not to disturb any existing utilities during construction. Any damage to utilities or other improvements caused by the Contractor will be repaired at no cost to the Owner.
2. All plant material shall be of good quality and sizes shall meet required size specifications.
3. All plant material are to be watered in immediately after planting and then watered once a week for a period of two months from time of planting.
4. All plant material shall be guaranteed to be in a live and healthy growing condition for two full growing seasons (trees) after final project acceptance or shall be replaced free of charge with the same size and species including labor.
5. Verify all dimensions and conditions prior to starting construction. The location of plant material is critical and shall be installed as indicated on plans. Field adjustments may be necessary based on field conditions (i.e., root ball and drop inlet conflict). All adjustments must be approved by the landscape architect.
6. The Landscape Contractor shall remove all construction debris and materials injurious to plant growth from planting pits and beds prior to backfilling with planting mix. All planting areas shall be free of weeds and debris prior to any work.
7. Provide locally available shredded hardwood mulch on all trees and in all planting beds to a 4 inch maximum depth unless otherwise noted. Mulch ring to extend 1'-0" minimum beyond planting pit. Minor site grading to be included if needed.
8. All trees are to be staked for a period of not less than one year from time of planting. Contractor shall remove all staking after one year.
9. Contractor to coordinate work with other amenities contractors.

PLANT SCHEDULE - REPLACEMENTS

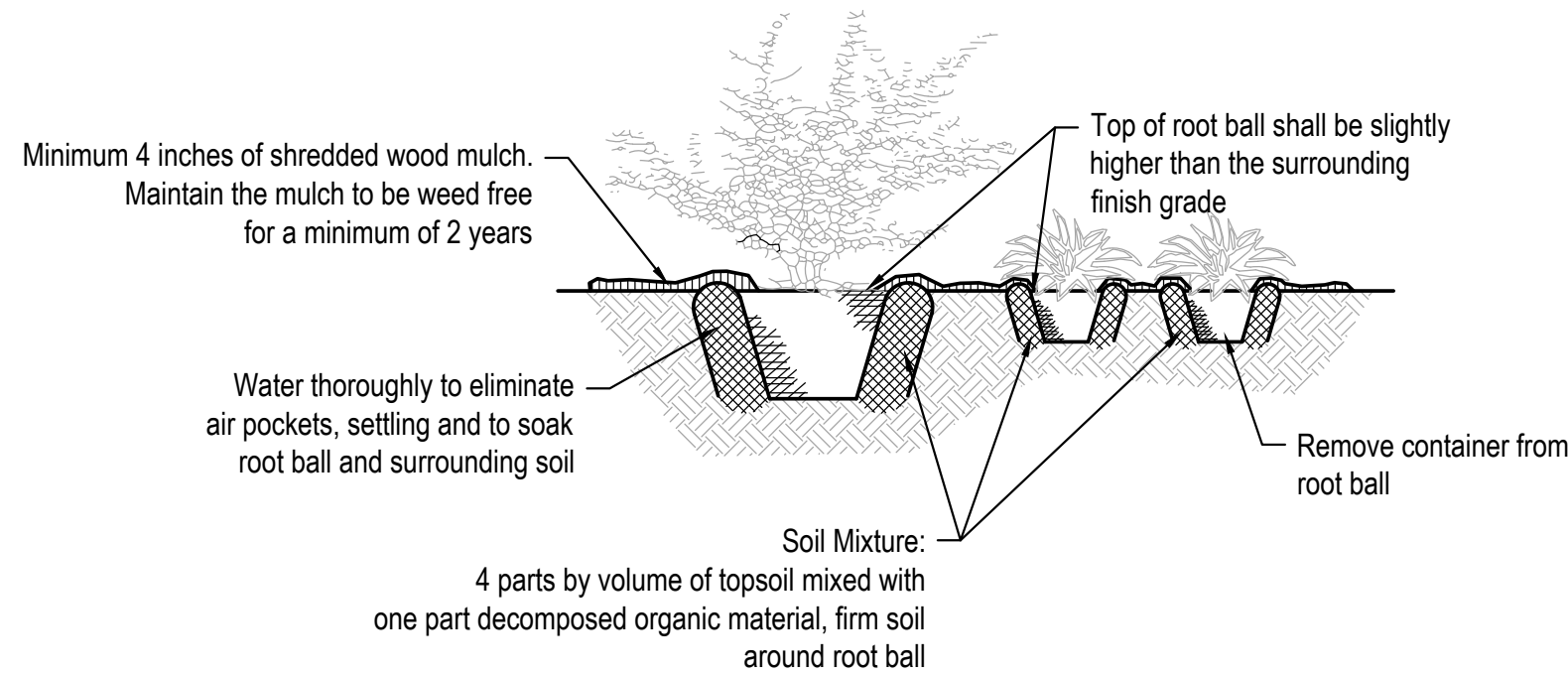
SYM	QTY	BOTANICAL NAME	COMMON NAME	SIZE	TYPE
A	4	Ginkgo biloba 'Princeton Sentry'	Princeton Sentry Columnar Ginkgo	3"	B&B
B	1	Picea glauca 'Densata'	Black Hills Spruce	6'-7'	B&B
BB	1	Picea glauca 'Densata'	Black Hills Spruce	6'-7'	B&B
C	14	Cornus sericea Firedance ('Bailadeline')	Firedance Dogwood	5 Gal.	Cont.
D	3	Quercus rubra	Red Oak	3"	B&B
E	4	Celtis occidentalis	Hackberry	3"	B&B

NOTES:

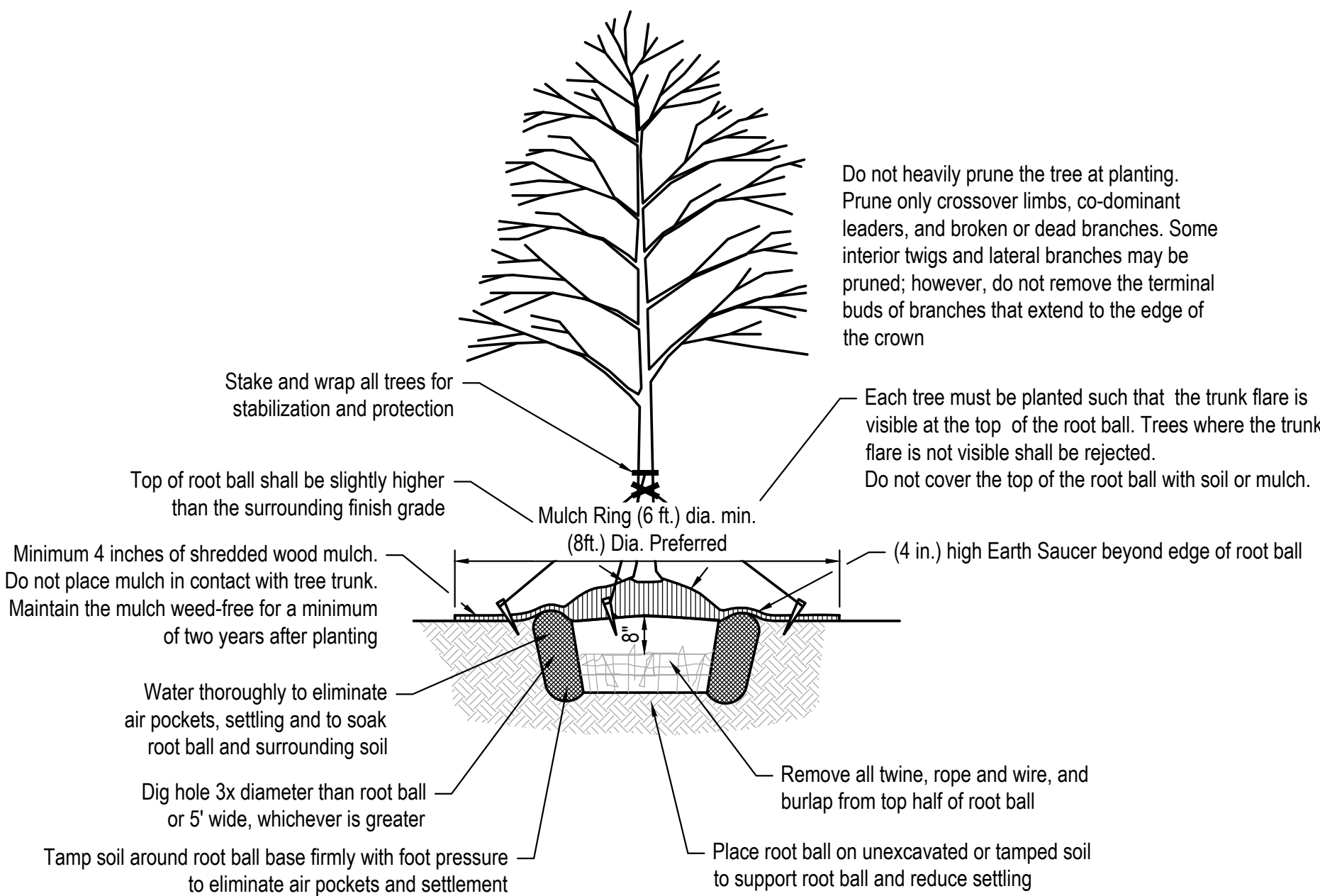
1. Landscape contractor shall coordinate with E&A Consulting Group on planting location of replacement trees and shrubs.
2. Landscape contractor must coordinate with all utilities and general contractor to field verify all utility locations that may conflict with all proposed tree and shrub planting locations on the project site.

SHRUB INSTALLATION NOTES:

1. Compacted soil in beds to be amended & tilled with 2" compost.
2. All planting beds to be mulch with 3" hardwood mulch.



SHRUB & PERENNIAL PLANTING DETAIL  
NOT TO SCALE



TREE PLANTING DETAIL - B & B TREE  
NOT TO SCALE

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**Nebraska 811**  
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Phone: 402.895.1700 • Fax: 402.895.3559  
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**E & A CONSULTING GROUP, INC.**  
Engineering Answers

PORTAL RIDGE  
BANK STABILIZATION - SOUTH

SID 276  
SARPY COUNTY, NEBRASKA

LANDSCAPE PLAN

Revisions	Description	Date
1	Initial Design	JULY 2024

Designed By:	JAS	MUG
Drawn By:	AS SHOWN	13 of 13
Scale:	AS SHOWN	

Proj No: 2005.054.009  
Date: JULY 2024  
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SANITARY AND IMPROVEMENT DISTRICT NO. 276

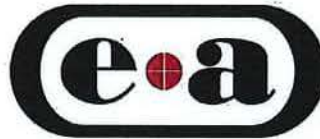
SARPY COUNTY, NEBRASKA

CONTRACT DOCUMENTS  
FOR

BANK STABILIZATION NORTH AND SOUTH

**PORTAL RIDGE**

PREPARED BY:



**E & A CONSULTING GROUP, INC.**

***Engineering Answers***

10909 Mill Valley Road, Suite 100  
Omaha, NE 68154  
402.895.4700

State of NE Certificate of Authorization #CA0008

**BID DATE: AUGUST 5, 2024**  
PROJECT NO. P2005.054.009



PROPOSAL  
FOR  
SID 276, PORTAL RIDGE  
BANK STABILIZATION NORTH AND SOUTH

BID DATE: August 5, 2024 @ 2:00 PM

TO: Chairman and Board of Trustees  
Sanitary and Improvement District No. 276  
% E & A Consulting Group, Inc.  
10909 Mill Valley Road, Suite 100  
Omaha, Nebraska 68154

The undersigned, having carefully examined the plans, specifications and all addenda thereto and other contract documents prepared by E & A CONSULTING GROUP, INC., 10909 Mill Valley Road, Suite 100, Omaha, Nebraska, for the construction of BANK STABILIZATION NORTH AND SOUTH in Sanitary and Improvement District 276, Sarpy County, Nebraska, and having carefully examined the site of work and become familiar with all local conditions, including labor affecting the cost thereof, and having familiarized himself with federal, state and local laws, ordinances, rules and regulations affecting performance of the work, do hereby propose to furnish all labor, superintendence, mechanics, tools, materials, equipment and all utilities and transportation services necessary to perform and complete said work, and work incidental thereto, in a workmanlike manner, as described in said plans, specifications and other contract documents including addenda numbers — issued thereto, for the Total Bid Sum based upon the Unit Prices as listed on the accompanying "Schedule of Prices".

The undersigned is hereby on notice that as of October 1, 2009, Contractors are required to use E-Verify to determine work eligibility of new employees who are physically performing services within the State of Nebraska. If you have any questions go to the Department of Revenue Services website at [www.revenue.nebraska.gov/incentives/microenterprise/everify-notice](http://www.revenue.nebraska.gov/incentives/microenterprise/everify-notice)

The undersigned further certifies that he has personally inspected the actual location of the work, together with the local sources of supply, and that he understands the conditions under which the work is to be performed or that if he has not so inspected the site and conditions of the work, he waives all right to plead any misunderstanding regarding the work required or conditions peculiar to the same.

The undersigned understands that the quantities listed in the accompanying "Schedule of Prices" are subject to increase or decrease, and hereby proposes to perform all quantities of work, as increased or decreased, in accordance with the plans, the provisions of specifications and all addenda thereto, and the provisions of other contract documents at the Unit Price Bid.



The undersigned hereby agrees to notify E & A CONSUTLING GROUP, INC., **7 days** prior to beginning work for locations to be designated by the Engineer. The CONTRACTOR shall notify all impacted utility companies via One Call (dial 811 or 800-331-5666) 48 hours before work is started to verify utility locations.

Work will commence within Five (5) working days after written Notice to Proceed and further agrees to complete the work in its entirety within the period of **60 working days** after date of said Notice to Proceed, or after the start of construction, whichever occurs first. The undersigned shall forfeit liquidated damages as set forth in the Special Provisions in the event of the over-run of time. Liquidated damages will be assessed not as a penalty, but as a predetermined and agreed liquidated damages.

The Owner reserves the right to eliminate in part or whole, one or more items of work from this proposal as may be required to bring the cost of the work within the limits of available funds or for any other reason without affecting the Unit Prices as bid for any specific item.



SCHEDULE OF PRICES  
SID 276, PORTAL RIDGE

BANK STABILIZATION NORTH  
APPROXIMATE QUANTITIES

No.	ITEM:	QUANTITY:	UNIT:	UNIT PRICE:	AMOUNT:
1	MOBILIZATION/DEMOBILIZATION	1	LS	\$37,012.30	\$37,012.30
2	MAINTAIN TRAFFIC CONTROL	1	LS	\$2,300.00	\$2,300.00
3	INSTALL CURB INLET PROTECTION	2	EA	\$275.00	\$550.00
4	CLEARING AND GRUBBING - GENERAL	1	LS	\$4,000.00	\$4,000.00
5	CLEARING AND GRUBBING - TREES OVER 9" TO 18" DIAMETER	1	EA	\$1,000.00	\$1,000.00
6	REMOVE EXISTING CONCRETE SIDEWALK	100	SF	\$6.55	\$655.00
7	REMOVE TOPSOIL	100	SY	\$6.00	\$600.00
8	CONSTRUCT SHEET PILE	2270	SF	\$42.80	\$97,156.00
9	CONSTRUCT 2" PERFORATED UNDERDRAIN PIPE	100	LF	\$16.00	\$1,600.00
10	CONSTRUCT 4" PCC SIDEWALK	100	SF	\$17.00	\$1,700.00
11	REPAIR CURB AND GUTTER	15	LF	\$124.00	\$1,860.00
12	PLACE TOPSOIL	120	SY	\$8.00	\$960.00
13	INSTALL SEEDING - TYPE 'CHANNEL SEED BLEND'	160	SY	\$1.50	\$240.00
14	INSTALL ROLLED EROSION CONTROL - TYPE I	160	SY	\$4.00	\$640.00
15	INSTALL SODDING	290	SY	\$16.00	\$4,640.00
16	INSTALL SWAMP WHITE OAK PLANT MATERIAL	1	EA	\$680.00	\$680.00
17	INSTALL COLORADO BLUE SPRUCE PLANT MATERIAL	2	EA	\$650.00	\$1,300.00

TOTAL BASE BID **NORTH** (ITEMS 1-17, INCLUSIVE) \$156,893.30



BANK STABILIZATION SOUTH  
APPROXIMATE QUANTITIES

No.	ITEM:	QUANTITY:	UNIT:	UNIT PRICE:	AMOUNT:
1	MOBILIZATION/DEMOBILIZATION	1	LS	\$37,020.82	\$37,020.82
2	MAINTAIN TRAFFIC CONTROL	1	LS	\$2,300.00	\$2,300.00
3	INSTALL CONSTRUCTION ENTRANCE	1	EA	\$3,500.00	\$3,500.00
4	INSTALL SILT FENCE	580	LF	\$7.00	\$4,060.00
5	CONSTRUCT TEMPORARY SAFETY FENCE	65	LF	\$41.00	\$2,665.00
6	CLEARING AND GRUBBING – GENERAL	1	LS	\$4,000.00	\$4,000.00
7	CLEARING AND GRUBBING - TREES OVER 9" TO 18" DIAMETER	10	EA	\$1,000.00	\$10,000.00
8	CLEARING AND GRUBBING - TREES OVER 36" TO 48" DIAMETER	6	EA	\$1,000.00	\$6,000.00
9	REMOVE AND REINSTALL FENCE	75	LF	\$65.00	\$4,875.00
10	REMOVE AND REINSTALL TRAIL BENCH	1	EA	\$400.00	\$400.00
11	REMOVE AND REINSTALL TRAIL SIGN	1	EA	\$400.00	\$400.00
12	REMOVE EXISTING CONCRETE SIDEWALK	6430	SF	\$3.00	\$19,290.00
13	CONSTRUCT SHEET PILE	4010	SF	\$45.70	\$183,257.00
14	CONSTRUCT 2" PERFORATED UNDERDRAIN PIPE	240	LF	\$10.00	\$2,400.00
15	CONSTRUCT 4" PCC SIDEWALK	6430	SF	\$8.00	\$51,440.00
16	REPAIR CURB AND GUTTER	15	LF	\$124.00	\$1,860.00
17	PLACE TOPSOIL	170	SY	\$8.00	\$1,360.00
18	INSTALL SEEDING - TYPE 'CHANNEL SEED BLEND'	170	SY	\$1.50	\$255.00
19	INSTALL ROLLED EROSION CONTROL - TYPE I	170	SY	\$4.00	\$680.00
20	INSTALL SEEDING - TYPE 'B SEED BLEND'	3030	SY	\$0.55	\$1,666.50
21	INSTALL MULCHING	3030	SY	\$0.85	\$2,575.50



22	INSTALL PRINCETON SENTRY COLUMNAR GINKGO PLANT MATERIAL	4	EA	\$820.00	\$3,280.00
23	INSTALL BLACK HILLS SPRUCE PLANT MATERIAL	2	EA	\$650.00	\$1,300.00
24	INSTALL FIREDANCE DOGWOOD PLANT MATERIAL	14	EA	\$140.00	\$1,960.00
25	INSTALL RED OAK PLANT MATERIAL	3	EA	\$685.00	\$2,055.00
26	INSTALL HACKBERRY PLANT MATERIAL	4	EA	\$685.00	\$2,740.00

TOTAL BASE BID **SOUTH** (ITEMS 1-26, INCLUSIVE) \$351,339.82

**TOTAL BASE BID NORTH (ITEMS 1-17) & SOUTH (ITEMS 1-26)**

\$508,233.12



The undersigned agrees to furnish the required original bond or bonds and insurance certificates and to execute the contract within ten (10) days of written Notice of Award. Accompanying this proposal, as a guarantee that the undersigned will execute the contract and furnish the required bond or bonds and insurance certificates in accordance with the terms and requirements of the contract documents, is a certified check or original bidding bond in the amount of FORTY SEVEN THOUSAND FOUR HUNDRED FIFTY AND 00/100 DOLLARS (\$47,450.00).

If awarded the contract, our surety will be FNIC-TRUSTED INSURANCE ADVISORS  
(Name of Surety Company)

Of 14010 FNB PARKWAY, STE 300, OMAHA, NE 68154  
(Address)

If awarded the contract, our anticipated start date would be: 09 / 23 / 2024.  
Month Day Year

Respectfully submitted,

GENERAL EXCAVATING, LLC  
Contractor

6701 CORNHUSKER HWY  
Business Address

LINCOLN NE 68507  
City State Zip

ZAC VAISKUNAS VICE PRESIDENT  
Printed Name: Title

Zac Vaiskunas 8/05/24  
Signature Date



## CONTRACT

THIS CONTRACT AND AGREEMENT made and entered into in quadruplicate this 5 day of August 2024, by and between the Board of Trustees of Sanitary and Improvement District No. 276 (Owner), Sarpy County, Nebraska; party of the first part and hereinafter called the District.

AND General Excavating, LLC; party of the second part, and hereinafter called the Contractor:

WHEREAS, the Contractor did on the 5th day of August 2024, submit a proposal to construct BANK STABILIZATION NORTH AND SOUTH within the District and to perform such other work as may be incidental thereto, all in strict accord with the plans and specifications prepared by E & A Consulting Group, Inc. ("E&A"), the District's Engineer, Omaha, Nebraska, which plans and specifications are all on file in the office of said E&A.

NOW THEREFORE, in consideration of the following mutual agreements and covenants, it is understood by and between the parties hereto that:

- a). The above referred to plans and specifications are expressly made a part hereof the same as though fully set forth herein.
- b). The Resolution of the District ordering or authorizing the construction of the aforesaid work, a Notice inviting Contractors, the Instructions to Bidders, the Proposal of the Contractor, the Performance, Payment and Guarantee Bond, all Addenda and any other documents referred to herein are a part of this Contract by reference thereto, the same as though each had been fully set out and attached thereto, except that to the extent this Agreement is inconsistent therewith, if at all, this Agreement shall govern.
- c). The District agrees to pay and the Contractor agrees to accept in full consideration of the performance of the Contractor's obligations hereunder, the unit and lump sum prices as set forth in the aforesaid proposal of the Contractor, said payment to be made by the District by issuance of its warrants, payable to Contractor.
- d). The Contractor agrees to furnish all tools, labor, and mechanics for labor, equipment and materials to perform said work in accordance with the aforesaid plans, specifications and documents.



- e). All provisions of the aforesaid plans, specifications and documents shall be strictly complied with by the Contractor the same as if rewritten herein, and no substitution or change in said plans, specifications and documents shall be made except on written consent or written direction (the form of either of which shall be a written "Change Order") of the District's Engineer and any such substitution or change shall in no manner be construed to release either party from any specified or implied obligations of the aforesaid plans, specifications and documents except as specifically provided for in the Change Order.
- f). This Contract is entered into subject to the following conditions:
- (1) Contractor shall conform to all laws, rules and regulations applicable to this Contract and construction shall be in accordance therewith.
  - (2) Contractor shall furnish Performance, Payment and Guarantee Bond in an amount at least equal to one hundred percent of the contract price, and shall maintain during the life of the contract, Fire, Workman's Compensation, Public Liability and Property Damage Insurance, all as required in the aforesaid specifications.
  - (3) The Contractor shall indemnify, defend, and save harmless the District, the District's Engineer, and the District's Officers, employees and agents from all claims, suits or actions of every kind and character made upon or brought against the said District, the District's Engineer, and the District's Officers, employees and agents, for or on account of any injuries or damages received or sustained by any party or parties by or from the acts of the said Contractor or its servants, agents and subcontractors, in doing the work herein contracted for, or by or in consequence of any negligence in guarding the same or any improper material used in its construction, or by or on account of any act or omission of said Contractor or its servants, agents and sub-contractors; and also from all claims of damage for infringement of any patent in fulfilling this Contract. This indemnity shall include attorney's fees and costs and all other expenses incurred in the defense of any suit.
  - (4) Contractor shall not, in the performance of this Contract, discriminate or permit discrimination against any person because of race, political or religious opinions or affiliations.
  - (5) Final five percent (5%) of amount for this Contract shall not be paid to Contractor until the Contractor has furnished the Owner with a certificate from the Commissioner of Labor of the State of Nebraska, as required by Section 48-3857, R.R.S. Supp. 1978, showing that unemployment contributions and interest due under the Nebraska Law under this Contract have been paid by the Contractor or its subcontractors.



- (6) The undersigned is hereby on notice that as of October 1, 2009, Contractors are required to use E-Verify to determine work eligibility of new employees who are physically performing services within the State of Nebraska. If you have any questions go to the Department of Revenue Services website at [www.revenue.nebraska.gov/incentives/microenterprise/everify-notice](http://www.revenue.nebraska.gov/incentives/microenterprise/everify-notice)
- (7) Insurance - Contractor shall effect and maintain during the performance of this contract the following insurance at the Contractors' own expense. Evidence of such insurance coverage in effect shall be provided to E&A in the form of an Accord Certificate of Insurance executed by a licensed representative of the participating insurer(s), and must contain a clause granting at least 10 day prior written notice to E&A and the Owner of intent to affect cancellation. Certificate of Insurance must be provided to E&A with contract delivery.

1. General Liability:

- a. Limits of at least:
  - i. \$1,000,000 per occurrence
  - ii. \$2,000,000 general aggregate
  - iii. \$2,000,000 completed operations aggregate
  - iv. \$1,000,000 personal and advertising injury
  - v. \$5,000 medical expense (any one person)
- b. Coverage shall be provided by a standard form Commercial General Liability Policy covering bodily injury, property damage including loss of use, and personal injury.
- c. General Aggregate to apply on a per project basis.
- d. E&A, Sarpy County, City of La Vista, and the Owner shall be named as Additional Insureds on a primary and non-contributory basis including completed operations.
- e. Contractor agrees to waive its rights of recovery against E&A, Sarpy County, City of La Vista, and the Owner. Waiver of Subrogation in favor E&A, Sarpy County, City of La Vista, and the Owner shall be added to the policy.
- f. Contractual liability coverage shall be on a broad form basis and shall not be amended by any limiting endorsements.

2. Automobile Liability:

- a. Limit of at least \$1,000,000 CSL per accident.
- b. Coverage shall apply to all owned, hired, and non-owned autos.
- c. Contractor agrees to waive its rights of recovery against E&A, Sarpy County, City of La Vista, and the Owner. Waiver of Subrogation in favor of E&A, Sarpy County, City of La Vista, and the Owner shall be added to the policy.
- d. E&A, Sarpy County, City of La Vista, and the Owner shall be named as Additional Insureds on a primary and non-contributory basis including completed operations.



### 3. Workers Compensation:

#### a. Limits:

- i. Statutory coverage for the state where the project is located.
- ii. Employers liability limits:
  1. \$500,000 each accident
  2. \$500,000 disease - policy person
  3. \$500,000 disease - policy limit
- b. Contractor agrees to waive its rights of recovery against the Owner. Waiver of Subrogation in favor of the Owner shall be added to the policy.
- c. USL&H and Jones Act when applicable.

### 4. Umbrella / Excess:

- a. Limits of at least \$2,000,000 per occurrence.
- b. Policy shall provide liability coverage in excess of the specified Workers Compensation / Employers Liability, Commercial General Liability and Auto Liability.
- c. Contractor agrees to waive its rights of recovery against E&A, Sarpy County, City of La Vista, and the Owner. Waiver of Subrogation in favor of E&A, Sarpy County, City of La Vista, and the Owner shall be added to the policy.
- d. E&A, Sarpy County, City of La Vista, and the Owner shall be named as Additional Insureds on a primary and non-contributory basis including completed operations.

5. If Contractor utilizes any subcontractor, said subcontractor is to be bound by the same terms of this section 7 – “Insurance” as the Contractor.

- g). Payment shall be made by the District to the Contractor by issuance of warrants of the District payable to Contractor, it being specifically understood that it shall be the responsibility of Contractor to convert such warrants to cash on such terms as may be satisfactory to Contractor. District shall not be deemed to be in default under this contract by reason of late issuance of warrants until it shall first have received written notice from Contractor of such late issuance of warrants and shall have failed to issue such warrants for a period of fifteen (15) days after receipt of such written notice.



IN WITNESS WHEREOF, we, the contracting parties, by our respective duly authorized agents, hereto affix our signatures and seals at Sarpy County, Nebraska, this 5m Day of August 2024.

CONTRACTOR  
Party of the Second Part and also  
Designated as Contractor

SANITARY AND IMPROVEMENT DISTRICT 276  
OF SARPY COUNTY, NEBRASKA,  
Party of the First Part and also  
designated as the District

General Excavating, LLC  
Contractor

By   
Chairman, Board of Trustees

6701 Cornhusker Hwy  
Street

ATTEST   
Clerk of SID 276

Lincoln NE 68507  
City State Zip

By  President  
Title

(Corporate Resolution of Contractor authorizing Execution attached




CERTIFICATE  
(L.B. 126, 1963)

The undersigned hereby certifies that all equipment, EXCEPT that equipment acquired since the assessment date, to be used by undersigned in the performance of the work covered by the Contract between the undersigned and Sanitary and Improvement District 276, Sarpy County, Nebraska, pertaining to BANK STABILIZATION NORTH AND SOUTH, has been assessed for taxation for the current year in Lancaster County, Nebraska.

General Excavating, LLC  
CONTRACTOR

IF A PARTNERSHIP

IF A NEBRASKA CORPORATION

By:   
Partner

BY: \_\_\_\_\_  
President

\_\_\_\_\_  
Partner

\_\_\_\_\_  
Secretary

\_\_\_\_\_  
Partner

AFFIX CORPORATE SEAL

STATE OF NEBRASKA)  
COUNTY OF Lancaster )

Ted Butler being first duly sworn on oath deposes and says that they have read the foregoing Certificate, know its contents, and the same are true.

SUBSCRIBED and sworn to before me this 4<sup>th</sup> day of September, 2024.

Debbie Mueggen  
Notary Public

(Seal)

State of Nebraska – General Notary  
DEBBIE GREGERSON  
My Commission Expires  
February 6, 2028



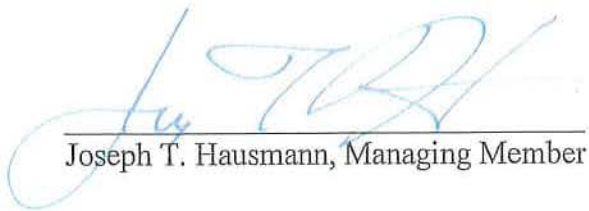


YOUR "UNDERGROUND" PARTNER

Utilities • Trenchless Construction • Environmental Remediation • Communications • Landscaping Materials • Hourly Service

### Letter of Authority

Ted C. Butler, President of General Excavating, is authorized and has been so authorized since May 27, 2022 to sign contracts, change orders, agreements and any other related items for General Excavating and that General Excavating is one and the same entity as General Excavating, LLC.

  
\_\_\_\_\_  
Joseph T. Hausmann, Managing Member

9/4/2024  
\_\_\_\_\_  
Date



PERFORMANCE, PAYMENT AND GUARANTEE BOND

BY THESE PRESENT: That we General Excavating, LLC hereinafter called PRINCIPAL, and Amerisure Mutual Insurance Company a Corporate Surety Company authorized to do business in the State of Nebraska hereinafter called SURETY are held and firmly bound unto Sanitary and Improvement District No. 276 Sarpy County, Nebraska, hereinafter called OWNER, and the County of Sarpy, Nebraska, in the penal sum of Five Hundred Eight Thousand Two Hundred Thirty-three and 12/100 Dollars Dollars (\$508,233.12) lawful money of the United States of America, for the payment of which sum well and truly to be made the PRINCIPAL and SURETY bind themselves, their heirs, executors, administrators, legal representatives, successors and assigns jointly and severally by these present.

WHEREAS the PRINCIPAL is about to enter or has entered into a written contract with the OWNER for the construction by the PRINCIPAL of BANK STABILIZATION NORTH AND SOUTH, in accordance with the plans and specifications prepared by E & A CONSULTING GROUP, INC., Omaha, Nebraska, which contract hereby defined to include all contract documents is made a part hereof by reference thereto the same as though fully set forth herein.

NOW, THEREFORE, the conditions of this obligation are such that:

FIRST: If the PRINCIPAL shall faithfully perform the contract on his or its part, shall satisfy all claims and demands incurred for the same, shall fully indemnify and save harmless the OWNER from all costs and damage which said OWNER may suffer by reason of failure to do so, and shall fully reimburse and repay said OWNER all outlay and expense which said OWNER may incur in making good any such default; and,

SECOND: The PRINCIPAL shall indemnify and save harmless the OWNER, its officers, employees and agents from all claims, suits or actions of every kind and character made upon or brought against the said OWNER and its officers, employees and agents, for or on account of any injuries or damages received or sustained by any party or parties by or from the acts or omissions of the said PRINCIPAL or his or its servants, agents and subcontractors, in performing under said Contract, or by or in consequence of any negligence in guarding the same or any improper material used in its construction or by or on account of any act or omission of said PRINCIPAL or his or its servants, agents and subcontractors and also from all claims of damage for infringement of any patent in fulfilling said contract; and also from all expenses incurred in defense of any suit including attorney's fees and costs; and

THIRD: The PRINCIPAL and SURETY on this Bond hereby agree to pay all persons, firms or corporations having contracts directly with the PRINCIPAL or with subcontractors all just claims due them for the payment of all laborers and mechanics for labor that shall be performed, for the payment of all materials, tools, repairs, provisions, utilities, fuels, lubricants, equipment furnished and all other supplies or materials actually used or rented by the PRINCIPAL or by the subcontractors in the performance of the contract including all insurance premiums on insurance required by the Contract, on account of which this bond is given, when the same are not satisfied out of the portion of the contract price which the OWNER may retain until completion of the improvement as provided by law; and,



FOURTH: PRINCIPAL and SURETY are jointly and severally liable under the provisions hereof and action against either or both may proceed without prior action against the other, and both may be joined in one action.

FIFTH: The PRINCIPAL shall guarantee the work constructed for the OWNER under said Contact as hereinafter more specifically set forth for the full number of years specified as set forth below. The term of guarantee of the respective projects shall be no less than the following:

- a. Paving Projects (including pavement repair) ..... 2 years
- b. Utility Projects (all sewer & water construction)..... 2 years
- c. Lighting and Traffic Signal Control Projects..... 1 year
- d. Grading Projects..... 2 years
- e. Sidewalk Projects ..... 2 years
- f. Park Improvements ..... 2 years
- g. Other Projects Not Listed Above ..... 1 year

The PRINCIPAL hereby binds himself and his heirs and assigns for the entire expense of the guarantee and for all repairs or reconstruction which may, from any imperfection in the said work or material, become necessary within the term of guarantee. The PRINCIPAL further agrees to correct and repair promptly during the term of guarantee all failures of whatsoever description and settlements and irregularities of trenches, sidewalks, paving, other surfacing, sewers, drains or other structures caused by any imperfection in his workmanship or material and shall deliver the work in all respects in good condition at the end of that time.

If at any time within the term of guarantee after the completion and acceptance of the work contracted for, the work shall, in the judgment of the District's Engineer, require such repairs or reconstruction as above set out, he shall notify the PRINCIPAL by certified mail and should the PRINCIPAL refuse or neglect to begin to make such repairs within ten (10) days from the date of the service of such notice, then the OWNER shall have the right to cause such repairs or reconstruction to be made in such manner as he shall deem best, and the cost thereof shall be paid by the PRINCIPAL or his SURETIES.

Then this obligation shall be null and void; otherwise it shall remain in full force and effect.

Any SURETY on this bond shall be deemed and held, any contract to the contrary notwithstanding to consent without notice:

1. To any extension of time to the PRINCIPAL in which to perform the contract.
2. To any such change in the plans, specifications or contract, when such change does not involve an increase of more than twenty percent (20%) of the total contract price, and shall then be released only as to such excess increase.
3. That no provision of this bond or of any other contract shall be valid which limits to less than five years from time of acceptance of the work the right to sue on this bond for defects in workmanship or material not discovered or known to the obligee at the time such work was accepted.



SIGNED AND SEALED THIS 29th DAY OF August, 2024

IN PRESENCE OF:

General Excavating, LLC  
Name \*

General Excavating, LLC  
PRINCIPAL

6701 Cornhusker Hwy  
Address

6701 Cornhusker Hwy  
Address

Lincoln NE 68507  
City State Zip

Lincoln, NE 68507  
City State Zip

By 

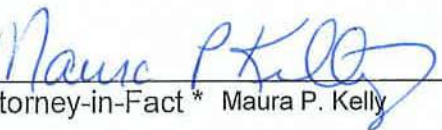
Title President  
(Attach Corporate Resolution of Principal  
Authorizing Execution)

COUNTERSIGNED:

  
Resident Agent \* Joan Leu

Amerisure Mutual Insurance Company  
Surety

FNIC  
Company Name

By   
Attorney-in-Fact \* Maura P. Kelly

14010 FNB Parkway, Suite 300  
Address

14010 FNB Parkway, Suite 300  
Address

Omaha, NE 68154  
City State Zip

Omaha, NE 68154  
City State Zip

\*Instruction: Type names of person under signature of each



**AMERISURE MUTUAL INSURANCE COMPANY  
AMERISURE INSURANCE COMPANY  
AMERISURE PARTNERS INSURANCE COMPANY**

**POWER OF ATTORNEY**

**KNOW ALL MEN BY THESE PRESENTS:** That Amerisure Mutual Insurance Company, Amerisure Insurance Company and Amerisure Partners Insurance Company are corporations duly organized under the laws of the State of Michigan (herein collectively the "Companies"), and that the Companies do hereby make, constitute and appoint:

**DAVID A. DOMINIANI, DUSTIN COOPER, KEVIN J. STENGER,  
JACQUELINE L. DREY, JOAN LEU and MAURA P. KELLY**

of First Insurance Group LLC dba FNIC, its true and lawful Attorney(s)-in Fact, each in their separate capacity if more than one is named above, to sign, execute, seal and acknowledge, for and on its behalf and as its act and deed, bonds or others writings obligatory in the nature of a bond on behalf of each of said Companies, as surety, on contracts or suretyship as are or may be required or permitted by law, regulation, contract or otherwise, provided that no bond or undertaking or contract or suretyship executed under this authority shall exceed the amount of:

**TWO HUNDRED MILLION (\$200,000,000.00) DOLLARS**

This Power of Attorney is granted and signed by facsimile under and by the authority of the following Resolutions adopted by the Boards of Directors of Amerisure Mutual Insurance Company, Amerisure Insurance Company and Amerisure Partners Insurance Company at meetings duly called and held on February 17, 2022.

"**RESOLVED**, that any two of the President & Chief Executive Officer, the Chief Financial Officer & Treasurer, the Senior Vice President Surety, the Vice President Surety, or the General Counsel & Corporate Secretary be, and each or any of them hereby is authorized to execute, a Power of Attorney qualifying the attorney-in-fact named in the given Power of Attorney to execute on behalf of the Company bonds, undertakings and all contracts of surety, and that President & Chief Executive Officer, Chief Financial Officer & Treasurer or General Counsel & Corporate Secretary each or any of them hereby is authorized to attest to the execution of any such Power of Attorney and to attach therein the seal of the Company;

**FURTHER RESOLVED**, that the signature of such officers and the seal of the Company may be affixed to any such Power of Attorney or to any certificate relating thereto electronically/digitally or by facsimile, and any such Power of Attorney or certificate bearing such electronic/digital or facsimile signatures or electronic/digital or facsimile seal shall be binding upon the Company when so affixed and in the future with regard to any bond, undertaking or contract of surety to which it is attached;

**FURTHER RESOLVED**, that any work carried out by the attorney-in-fact pursuant to this resolution shall be valid and binding upon the Company."



By:

Michael A. Ito, Senior Vice President Surety

By:

Aaron Green, Vice President Surety

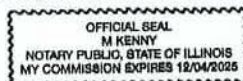
IN WITNESS WHEREOF, Amerisure Mutual Insurance Company, Amerisure Insurance Company and Amerisure Partners Insurance Company

have caused their official seals to be hereunto affixed, and these presents to be signed by their authorized officers this 26th day of April, 2023.

**Amerisure Mutual Insurance Company  
Amerisure Insurance Company  
Amerisure Partners Insurance Company**

State of Illinois  
County of Kane

On this 26th day of April, 2023, before me, a Notary Public personally appeared Michael A. Ito, of Amerisure Mutual Insurance Company, Amerisure Insurance Company and Amerisure Partners Insurance Company and Aaron Green of Amerisure Mutual Insurance Company, Amerisure Insurance Company and Amerisure Partners Insurance Company, personally known to me, who being by me duly sworn, acknowledged that they signed the above Power of Attorney as officers of and acknowledged said instrument to be the voluntary act and deed of their respective companies.

M. Kenny, Notary Public

I, Christopher M. Spaude, the duly elected Chief Financial Officer & Treasurer of Amerisure Mutual Insurance Company, Amerisure Insurance Company and Amerisure Partners Insurance Company, do hereby certify and attest that the above and foregoing is a true and correct copy of a Power of Attorney executed by said Companies, which remains in full force and effect.

IN WITNESS WHEREOF, I have set my hand and affixed the seals of the Companies this 29th day of August, 2024.

Christopher M. Spaude  
Christopher M. Spaude, Chief Financial Officer & Treasurer





# CERTIFICATE OF LIABILITY INSURANCE

10/28/2024

DATE (MM/DD/YYYY)

8/29/2024

THIS CERTIFICATE IS ISSUED AS A MATTER OF INFORMATION ONLY AND CONFERS NO RIGHTS UPON THE CERTIFICATE HOLDER. THIS CERTIFICATE DOES NOT AFFIRMATIVELY OR NEGATIVELY AMEND, EXTEND OR ALTER THE COVERAGE AFFORDED BY THE POLICIES BELOW. THIS CERTIFICATE OF INSURANCE DOES NOT CONSTITUTE A CONTRACT BETWEEN THE ISSUING INSURER(S), AUTHORIZED REPRESENTATIVE OR PRODUCER, AND THE CERTIFICATE HOLDER.

**IMPORTANT:** If the certificate holder is an **ADDITIONAL INSURED**, the policy(ies) must have **ADDITIONAL INSURED** provisions or be endorsed. If **SUBROGATION IS WAIVED**, subject to the terms and conditions of the policy, certain policies may require an endorsement. A statement on this certificate does not confer rights to the certificate holder in lieu of such endorsement(s).

<b>PRODUCER</b> Lockton Companies, LLC 444 W. 47th Street, Suite 900 Kansas City MO 64112-1906 (816) 960-9000 kcasu@lockton.com	<b>CONTACT NAME:</b>	
	<b>PHONE (A/C, No, Ext):</b>	
<b>INSURED</b> 1532816 GENERAL EXCAVATING, LLC 6701 CORNHUSKER HWY. LINCOLN NE 68507	<b>FAX (A/C, No):</b>	
	<b>E-MAIL ADDRESS:</b>	
	<b>INSURER(S) AFFORDING COVERAGE</b>	
	<b>INSURER A:</b> Zurich American Insurance Company	<b>NAIC #</b> 16535
	<b>INSURER B:</b> American Guarantee and Liab. Ins. Co.	26247
	<b>INSURER C:</b>	
	<b>INSURER D:</b>	
	<b>INSURER E:</b>	
	<b>INSURER F:</b>	

**COVERAGES****CERTIFICATE NUMBER:** 20888870**REVISION NUMBER:** XXXXXXXX

THIS IS TO CERTIFY THAT THE POLICIES OF INSURANCE LISTED BELOW HAVE BEEN ISSUED TO THE INSURED NAMED ABOVE FOR THE POLICY PERIOD INDICATED. NOTWITHSTANDING ANY REQUIREMENT, TERM OR CONDITION OF ANY CONTRACT OR OTHER DOCUMENT WITH RESPECT TO WHICH THIS CERTIFICATE MAY BE ISSUED OR MAY PERTAIN, THE INSURANCE AFFORDED BY THE POLICIES DESCRIBED HEREIN IS SUBJECT TO ALL THE TERMS, EXCLUSIONS AND CONDITIONS OF SUCH POLICIES. LIMITS SHOWN MAY HAVE BEEN REDUCED BY PAID CLAIMS.

INSR LTR	TYPE OF INSURANCE	ADDL INSD	SUBR WVD	POLICY NUMBER	POLICY EFF (MM/DD/YYYY)	POLICY EXP (MM/DD/YYYY)	LIMITS
A	<input checked="" type="checkbox"/> <b>COMMERCIAL GENERAL LIABILITY</b> <input type="checkbox"/> CLAIMS-MADE <input checked="" type="checkbox"/> OCCUR  GEN'L AGGREGATE LIMIT APPLIES PER: <input type="checkbox"/> POLICY <input checked="" type="checkbox"/> PRO-JECT <input checked="" type="checkbox"/> LOC <input type="checkbox"/> OTHER:	Y	Y	GLO 6704962-02	10/28/2023	10/28/2024	EACH OCCURRENCE \$ 2,000,000 DAMAGE TO RENTED PREMISES (Ea occurrence) \$ 500,000 MED EXP (Any one person) \$ 10,000 PERSONAL & ADV INJURY \$ 2,000,000 GENERAL AGGREGATE \$ 4,000,000 PRODUCTS - COMP/OP AGG \$ 4,000,000 \$
A	<input checked="" type="checkbox"/> <b>AUTOMOBILE LIABILITY</b> <input checked="" type="checkbox"/> ANY AUTO <input type="checkbox"/> OWNED AUTOS ONLY <input checked="" type="checkbox"/> HIRED AUTOS ONLY <input type="checkbox"/> SCHEDULED AUTOS <input checked="" type="checkbox"/> NON-OWNED AUTOS ONLY	Y	Y	BAP-6704964-02	10/28/2023	10/28/2024	COMBINED SINGLE LIMIT (Ea accident) \$ 2,000,000 BODILY INJURY (Per person) \$ XXXXXXXX BODILY INJURY (Per accident) \$ XXXXXXXX PROPERTY DAMAGE (Per accident) \$ XXXXXXXX \$ XXXXXXXX
B	<input checked="" type="checkbox"/> <b>UMBRELLA LIAB</b> <input checked="" type="checkbox"/> OCCUR <input type="checkbox"/> EXCESS LIAB <input type="checkbox"/> CLAIMS-MADE <input type="checkbox"/> DED <input type="checkbox"/> RETENTION \$	Y	Y	AUC 6944990-02	10/28/2023	10/28/2024	EACH OCCURRENCE \$ 5,000,000 AGGREGATE \$ 5,000,000 \$ XXXXXXXX
A	<b>WORKERS COMPENSATION AND EMPLOYERS' LIABILITY</b> ANY PROPRIETOR/PARTNER/EXECUTIVE OFFICER/MEMBER EXCLUDED? (Mandatory in NH) If yes, describe under DESCRIPTION OF OPERATIONS below Y/N <input checked="" type="checkbox"/> N/A		Y	WC 6704963-02	10/28/2023	10/28/2024	<input checked="" type="checkbox"/> PER STATUTE <input type="checkbox"/> OTH-ER E.L. EACH ACCIDENT \$ 1,000,000 E.L. DISEASE - EA EMPLOYEE \$ 1,000,000 E.L. DISEASE - POLICY LIMIT \$ 1,000,000

DESCRIPTION OF OPERATIONS / LOCATIONS / VEHICLES (ACORD 101, Additional Remarks Schedule, may be attached if more space is required)  
RE: PROJECT #P2005.054.009, SANITARY AND IMPROVEMENT DISTRICT NO. 276, SARPY COUNTY, NEBRASKA.

\*\*\*SEE ATTACHED\*\*\*

**CERTIFICATE HOLDER****CANCELLATION****20888870**E & A CONSULTING GROUP, INC.  
10909 MILL VALLEY ROAD, SUITE 100  
OMAHA, NE 68154

SHOULD ANY OF THE ABOVE DESCRIBED POLICIES BE CANCELLED BEFORE THE EXPIRATION DATE THEREOF, NOTICE WILL BE DELIVERED IN ACCORDANCE WITH THE POLICY PROVISIONS.

AUTHORIZED REPRESENTATIVE

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E & A CONSULTING GROUP, INC., E & A, SARPY COUNTY, CITY OF LA VISTA, AND SID NO. 276 ARE ADDITIONAL INSURED AS RESPECTS GENERAL LIABILITY, AUTOMOBILE LIABILITY AND UMBRELLA LIABILITY, FOR COMPLETED OPERATIONS, AND THESE COVERAGES ARE PRIMARY AND NON-CONTRIBUTORY, IF REQUIRED BY WRITTEN CONTRACT. WAIVER OF SUBROGATION IN FAVOR OF THE ADDITIONAL INSURED APPLIES AS RESPECTS GENERAL LIABILITY, AUTOMOBILE LIABILITY, UMBRELLA LIABILITY AND WORKERS COMPENSATION, IF REQUIRED BY WRITTEN CONTRACT AND WHERE ALLOWED BY LAW. COVERAGE IS SUBJECT TO THE TERMS AND CONDITIONS OF THE POLICY. 30 DAYS NOTICE OF CANCELLATION (EXCEPT 10 DAYS FOR NON-PAYMENT) WILL BE GIVEN TO THE CERTIFICATE HOLDER.