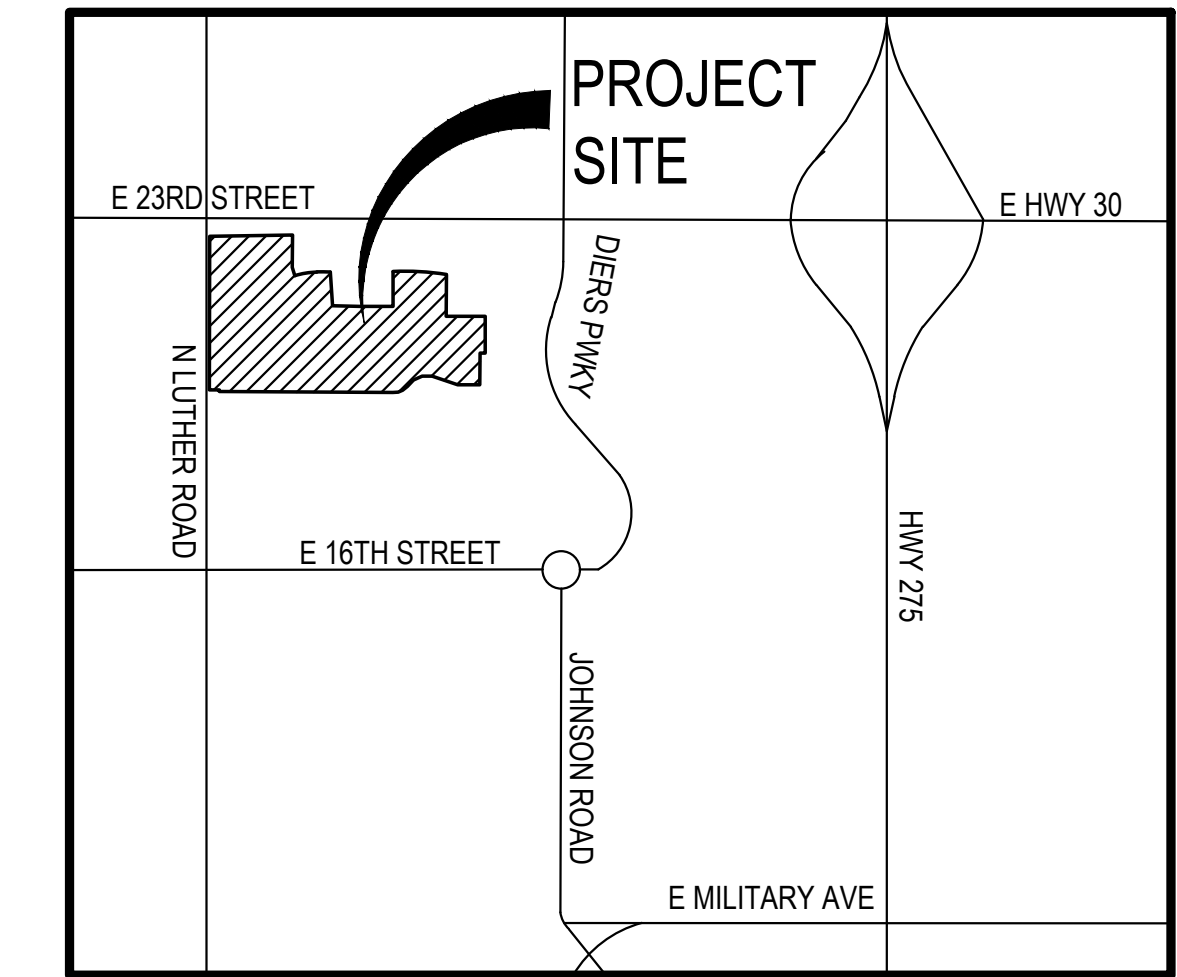


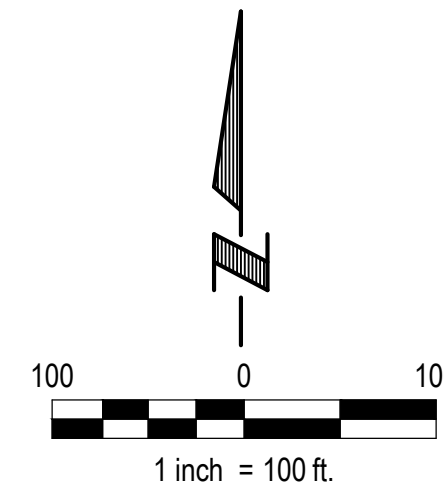
DIERS 8TH ADDITION

LOTS 1 AND 2, BLOCK 1 AND OUTLOTS "A" THRU "D" INCLUSIVE GRADING & SWPPP - SECTION I

Located in the NW 1/4 of Section 18, Township 17, Range 9E, of the 6th P.M.
 DODGE COUNTY, NEBRASKA



VICINITY MAP



INDEX OF SHEETS

SHEET NO.	DESCRIPTION
1	COVER
2	NOTES & DETAILS
3	NOTES & DETAILS
4	GRADING & SWPPP - GRADING PLAN
5	GRADING & SWPPP - CUT FILL
6	GRADING & SWPPP - NETWORKS
7	GRADING & SWPPP - DRAINAGE MAP

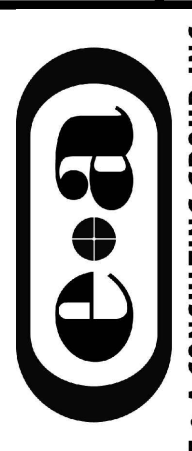
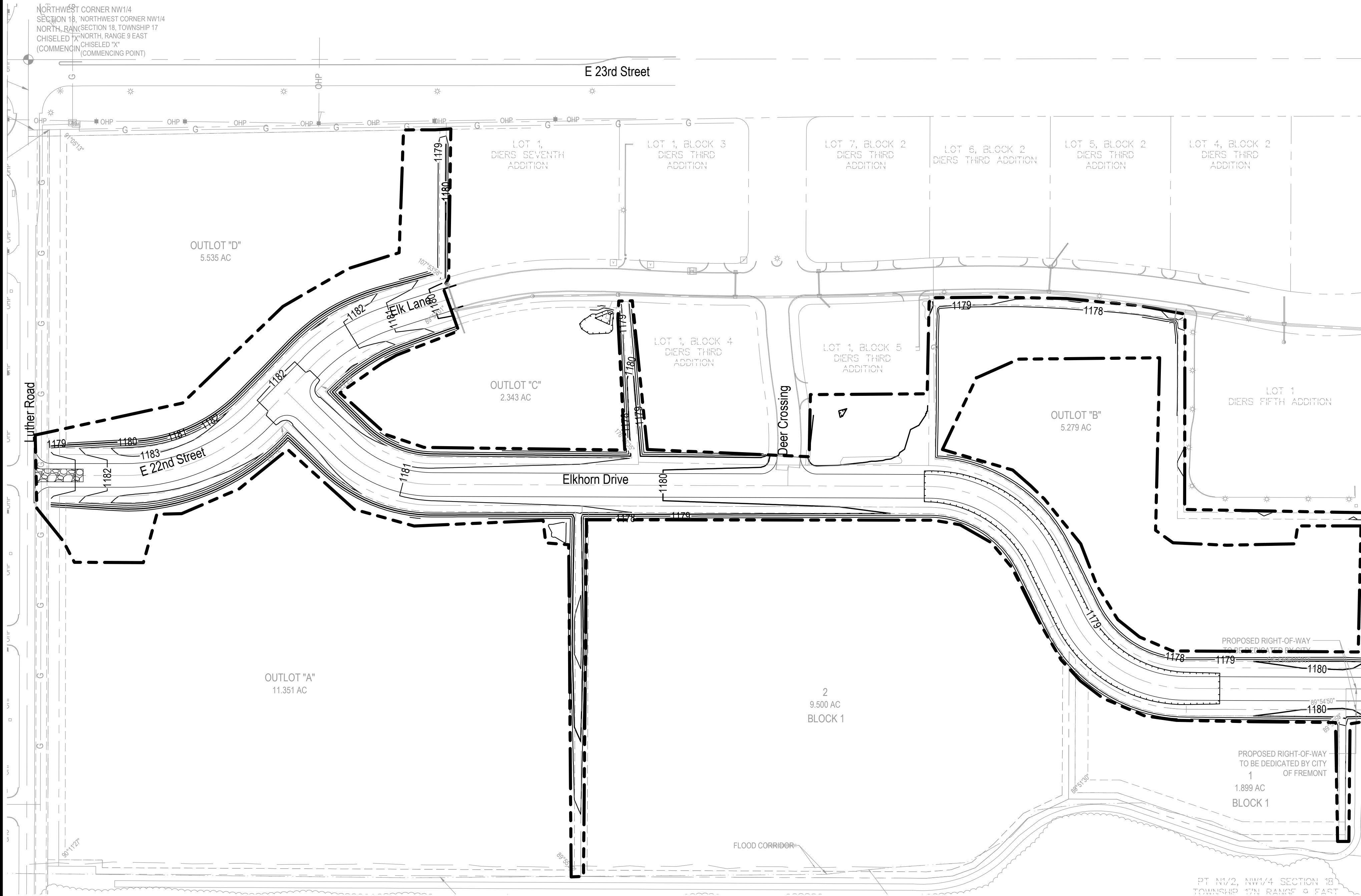
APPROXIMATE BID QUANTITIES

ITEM	DESCRIPTION	QUANTITY	UNIT
1	MOBILIZATION	1	LS
2	CLEARING AND GRUBBING - GENERAL	1	LS
3	HAUL IN (ESTABLISHED QUANTITY)	34,328	CY
4	STRIPPINGS (ESTABLISHED QUANTITY)	5,606	CY
5	INSTALL SILT FENCE	6,531	LF
6	CONSTRUCT INLET FILTER	80	LF
7	CONSTRUCT 18" RCP	25	LF
8	CONSTRUCT 18" RC FLARED END SECTION	1	EA
9	CONSTRUCT STONE CONSTRUCTION ENTRANCE	1	LS
10	CONSTRUCT STORM SEWER MANHOLE TAP	1	EA
11	SOD DISTURBED AREAS	2,420	SY
12	REMOVE AND REPLANT LANDSCAPING	1	LS
13	REPAIR IRRIGATION	1	LS
14	SEED DISTURBED AREA, TYPE 'B'	25	AC

BENCHMARK:

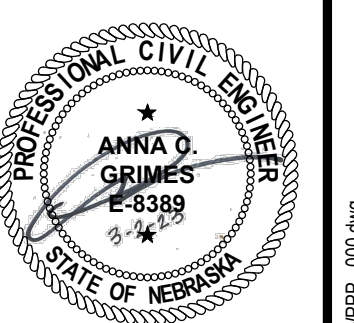
BENCHMARK #1: CHISELED "X" SOUTH RIM CURB INLET MANHOLE, FIRST CURB INLET MANHOLE WEST OF DEER CROSSING ON THE SOUTH SIDE OF ELK LANE.
ELEV: 1179.17'

BENCHMARK #2: CHISELED "X" SOUTH RIM CURB INLET MANHOLE, SECOND CURB INLET MANHOLE WEST OF DEER CROSSING ON THE SOUTH SIDE OF ELK LANE.
ELEV: 1180.37'



DIERS 8TH ADDITION
 LOTS 1 AND 2, BLOCK 1 AND
 OUTLOTS "A" THRU "D" INCLUSIVE
 GRADING & SWPPP
 - SECTION I
 DODGE COUNTY, NEBRASKA

COVER



Revisions	Description	Date
AA		2/23/2023

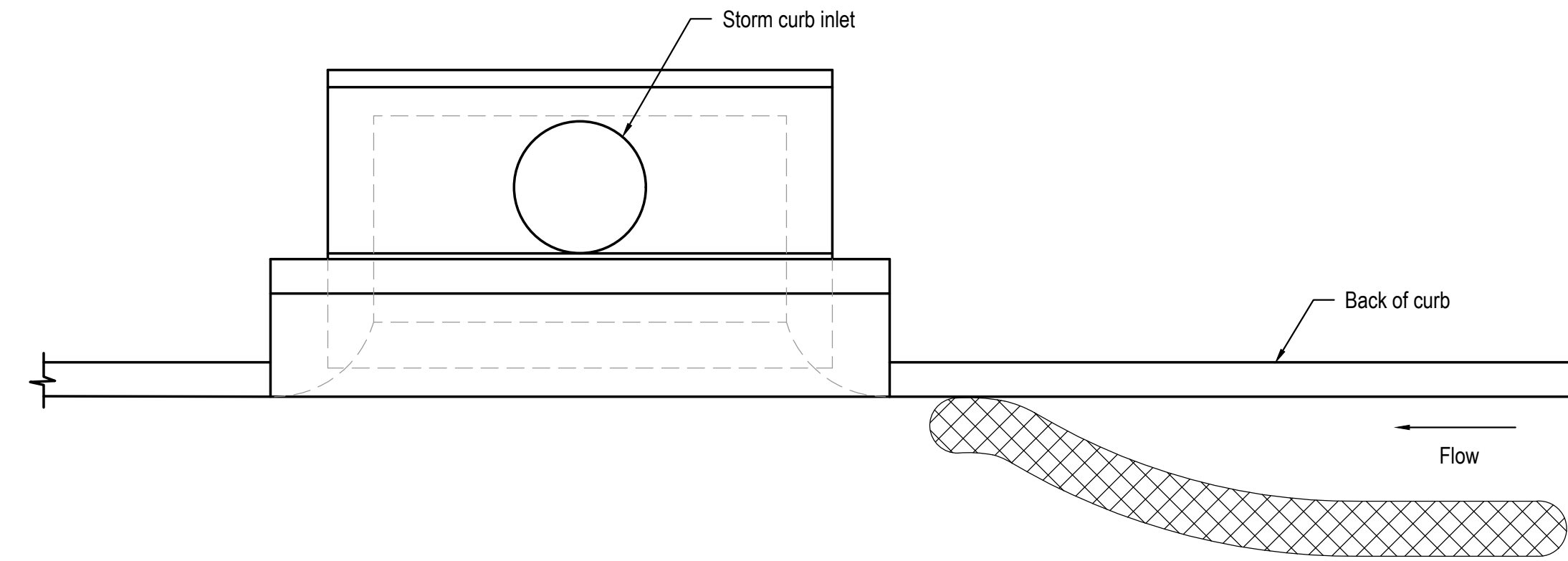
Proj No:	P2022.101.001
Date:	2/23/2023
Designed By:	JLH
Drawn By:	JLH
Scale:	AS SHOWN
Sheet:	1 of 6

GRADING AND SWPPP GENERAL NOTES

- All project procedures, materials, bonds and reserves shall conform to the Nebraska Department of Transportation Standard/Special Plans Manual, and any additions thereto. It will be the responsibility of the Contractor to be aware of the contents of the aforementioned specifications. The aforementioned publication can be found at: <https://dot.nebraska.gov/business-center/design-consultant/stand-spec-manual>
- Unless otherwise indicated, all vegetative and structural erosion and sediment control practices and stormwater management practices will be constructed and maintained according to the minimum standards and specifications for the Drainage Criteria Manual (DCM). The aforementioned publication can be found at <https://fremontne.gov>
- Barricades shall conform to Omaha Public Works "Barricading Standards, Specifications, Methods Materials", and/or the "Manual on Uniform Traffic Control Devices", and any additions thereto, whichever is more stringent. The aforementioned publications can be found at https://publicworks.cityofomaha.org/images/PDF/TRAFFIC_BARRICADE_MANUAL_-_MARCH_2022.pdf and https://mutcd.fhwa.dot.gov/pdfs/2009r1r2/pdf_index.htm
- The Contractor shall comply with all OSHA regulations.
- Utilities are shown as a convenience for the Contractor. The locations of all aerial and underground utilities may or may not be indicated in these plans. The Contractor shall notify all utility companies before work is started to verify utility locations. No excavation will be permitted in the area until all utilities have been located and identified to the satisfaction of all parties and then, only with extreme care to avoid any possibility of damage. The Contractor will be responsible for repair of utilities damaged during construction.
- 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.
- All demolition, removals, well closings, clearing and grubbing shall be paid for in a lump sum at the bid price for "CLEARING AND GRUBBING - GENERAL".
- Payment for topsoil shall be based upon the bid item "STRIPPINGS (ESTABLISHED QUANTITY)". This quantity is the fixed plan 4" depth volume over the limits of grading. Work shall include stripping, stockpiling and respreading or stripping and transferring of topsoil for this fixed established quantity.
- Payment for earthwork shall be based upon the bid item "HAUL-IN (ESTABLISHED QUANTITY)". This quantity is the fixed plan cut volume determined by a comparison of the proposed grade surface to the existing grade surface. The project will require fill and is assuming a 35% shrinkage factor on the fill unless otherwise indicated. There will be no deviation from this pay quantity without a written change order resulting from a plan revision or field change. Work shall include excavation, haul, placing and compacting earthwork necessary for a completed project for this fixed established quantity.
- Excavation necessary for construction of the sediment basins are incorporated into the "HAUL-IN (ESTABLISHED QUANTITY)" quantity.
- No tree removal shall occur between April 1 and July 15, 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 further require a bat roosting inventory.
- The Owner retains salvage rights to all buildings structures, and the contents therein; however, the Contractor is responsible for the demolition and removal of all structures following the salvage operations.
- The Contractor shall obtain all necessary demolition permits prior to beginning demolition activities on site.
- The Contractor shall obtain all necessary permits prior to beginning removal of the septic system.
- 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.
- All wells on site shall be abandoned and properly closed in manner consistent with Nebraska Department of Health and Human Services Regulation and Licensure, Title 178, Chapter 12, Regulations Governing Water Well Construction, Pump Installation and Water Well Decommissioning Standards.
- The Contractor shall implement dust control measures during demolition, removal and construction activities.
- All rubbish, unsuitable material, debris, equipment, etc., resulting from demolition work shall be disposed of properly and in a legal manner.
- The Contractor shall maintain positive drainage in existing road ditches and culverts draining into the project area.
- The Contractor shall maintain and preserve utilities that traverse the site and serve premises as long as those utilities are required.
- The Contractor shall monitor perimeter silt fencing and install additional silt fencing as necessary or as directed by the Engineer. Payment shall be made at the unit price for "Install Silt Fence". (See the Erosion Control Feature Maintenance Schedule).
- Diversion berms and ditches shall be constructed as necessary throughout the term of the project to properly control sediment erosion and protect adjacent properties as directed by the Engineer. This work will not be paid for directly but shall be subsidiary to items for which direct payment is made.

GRADING AND SWPPP GENERAL NOTES

- Construct diversion ditches in accordance with Section 8.4.7 "Temporary Diversion Dike" found in the Drainage Criteria Manual (August 2020).
- The Contractor shall remove all structures, private utilities, pavements and debris from within the site including the following:
 - all buildings including the contents and foundations, retaining walls, decks,
 - all private utility lines, including sanitary sewer service, storm sewer, natural gas, electrical, and communication,
 - all utility appurtenances such as transformers, meters, valves, pressure reducers as well as concrete pads and structures, as coordinated with Fremont Department of Utilities,
 - all foundation walls, partition walls, columns, piers, beams, or other projections, floors, and all other footings,
 - all asphalt and concrete pavement,
 - all light poles and light pole bases,
 - all gravel, and rubbish, or other debris found on site,
 - all fences within project boundary (all fences may not be shown on plan),
 - all septic tanks and septic appurtenances.
- 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 Drainage Criteria Manual (DCM), Section 8.4.14. Once the sediment basin has been constructed and approval given by the Inspector, stripping can occur throughout the balance of the site.
- 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.
- 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 recompacted. Scarified soils which cannot be recompacted to specified density shall be undercut and replaced with stable fill.
- 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.
- All basement or other excavations shall be backfilled with suitable material and compacted as structural fill.
- Where open excavations are not backfilled within 24 hours, the Contractor shall encircle the open area by a standard snow fence.
- 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.
- All fill and backfill shall be placed in lifts of 9" or less in loose thickness. All fill shall be compacted to a minimum 95% of the maximum dry density at a moisture content 3% below to 4% above optimum as determined by ASTM D698 (Standard Proctor) or as recommended by the Geotechnical Engineer.
- Fill and Backfill shall be inspected and tested periodically at the discretion of the Engineer for adherence to material, compaction, and moisture specifications.
 - Fill or backfill failing to meet compaction and moisture content specifications shall be reworked and retested at the Contractor's expense.
 - 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, "HAUL-IN (ESTABLISHED QUANTITY)".
- 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.
- 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.
- All disturbed areas except the street rights-of-way shall be seeded. Seeding shall be alfalfa, rye, oats or wheat cover crop at 90 lbs per acre. Fertilizer (20-10-10) shall be applied at 50 lbs per acre.
- Areas to receive erosion control matting shall be seeded in accordance with the DCM Section 8.4.19 Temporary Seeding Standard.
- At a minimum, there must be a site inspection at least once every seven (7) calendar days, excluding nonbusiness hours.



IN-LINE STORM INLET SEDIMENT BARRIER
NOT TO SCALE

SITE INFORMATION			
Estimated Start Date	4/1/2023	PCWP Project Number	n/a
CSW-202307620		NDEQ NOI Number	
Diers 8th Addition		E 22nd Street & Elk Lane	
Project Name		Address	
Diers 8th Addition		Fremont	Dodge
Subdivision Name	n/a	City	County
S & ID #		Nebraska	68025
Latitude	41 26' 52.30"	Longitude	96 27' 33.13"
State		Zip Code	
Total Site Area (Acres)	45	Estimated Permit Duration (Months)	60
Disturbed Area (Acres)	20	Cut Volume (yd^3)	161
Undisturbed Area (Acres)	25	Fill Volume (yd^3)	34.489
Impervious Area Before Construction (%)	0	Runoff Coefficient Before Construction	0.25
Impervious Area After Construction (%)	60	Runoff Coefficient After Construction	0.57

APPLICANT SWPPP CERTIFICATION

Dear Pointe Corporation Business Name: Maggie Yost
 Representative's Email Address: Maggie.yost@mac.com
 Phone Number: 402-957-4369

Maggie Yost Representative's Name: 2445 N. Broad Street
 Address: Fax Number:

P2022.101.001 Project # Assigned by Applicant: Fremont City, Nebraska State, 68025 Zip Code

I hereby agree to act as APPLICANT in association with this SWPPP. Furthermore, I certify under penalty of law the following: (1) that, this document and all supporting information has been prepared under my direction or supervision in accordance with a system designed to assure that qualified personnel properly gathered and evaluated the information submitted. Based on my inquiry of the person or persons who manage the system or those persons directly responsible for gathering the information, the information submitted is, to the best of my knowledge and belief, true, accurate, and complete. I am aware that there are significant penalties for submitting false information including the possibility of fines and imprisonment for knowing violations.

Maggie Yost APPLICANT'S Signature Date: 3/14/23

E & A CONSULTING GROUP, INC.
 Engineering • Planning • Environmental & Field Services
 10309 Mill Valley Road, Suite 100 • Omaha, NE 68154
 Phone: 402.895.1700 • Fax: 402.895.3599
 www.eaeg.com
 State of NE Certificate of Authorization #CA0008

E & A CONSULTING GROUP, INC.
 Engineering Answers

DIERS 8TH ADDITION
 LOTS 1 AND 2, BLOCK 1 AND
 OUTLOTS "A" THRU "D" INCLUSIVE
 GRADING & SWPPP
 - SECTION 1
 DODGE COUNTY, NEBRASKA

NOTES & DETAILS

PROFESSIONAL CIVIL ENGINEER
 ANNA O. GRIMES
 E-8389
 STATE OF NEBRASKA

Revisions	Description	Date
AA		

Proj No: P2022.101.001
 Date: 2/23/2023
 Designed By: J.L.H.
 Drawn By: J.L.H.
 Scale: AS SHOWN
 Sheet: 2 of 7

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3/10/2023 11:38 AM K:\Projects\2022\101\101\Engineering\CAD Files\Grading\SWPPP-000.dwg

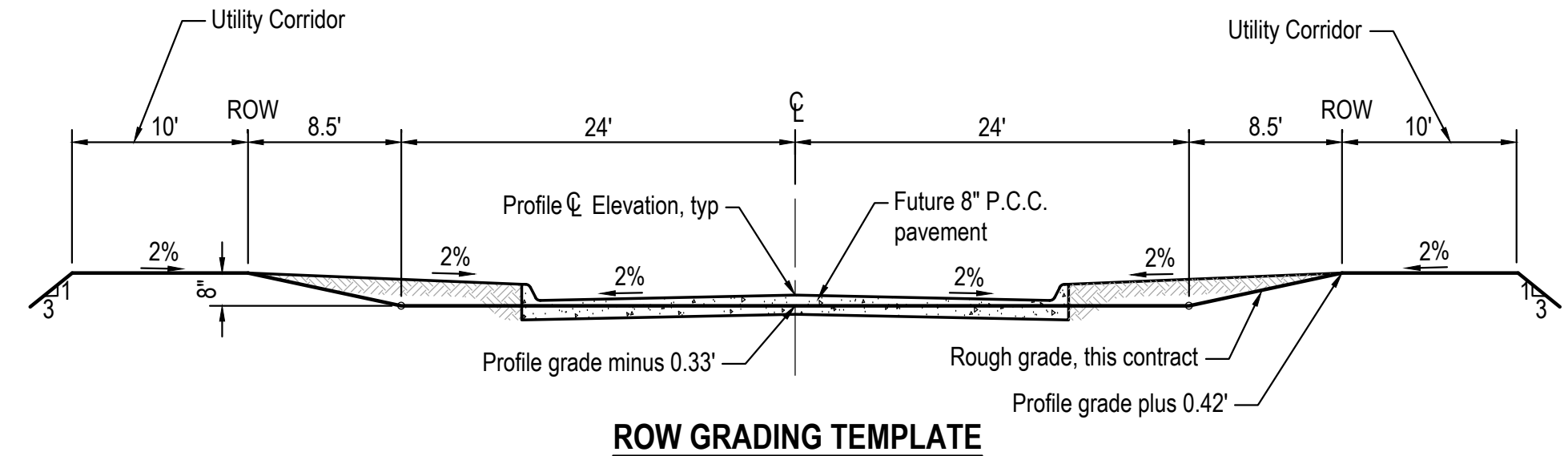
MAINTENANCE SCHEDULE:

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 washing and reworking of existing stone as conditions demand and repair and/or cleanup 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.
- 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 Diversion Dike** - The measure shall be inspected after every storm and repairs made to the dike, flow channel, outlet or sediment trapping facility, as necessary. Once every seven days, whether a storm event has occurred or not, the measure shall be inspected and repairs made if needed. Damages caused by construction traffic or other activity must be repaired before the end of each working day.
- Temporary Fill Diversion** - Since the practice is temporary and under most situations will be covered the next working day. The maintenance required should be low. If the practice is to remain in use for more than one day, an inspection shall be made at the end of each work day and repairs made to the measure if needed. The OPERATOR/CONTRACTOR should avoid the placement of any material over the structure while it is in use. Construction traffic should not be permitted to cross the diversion.
- Temporary Sediment Trap** - The maintenance measures are as follows: (6.1) sediment shall be removed and the trap restored to its original dimensions when the sediment has accumulated to one half the design volume of the wet storage, sediment removal from the basin shall be deposited in a suitable area and in such a manner that it will not erode and cause sedimentation problems; (6.2) filter stone shall be regularly checked to ensure that filtration performance is maintained, stone choked with sediment shall be removed and cleaned or replaced; and (6.3) the structure should be checked regularly to ensure that it is structurally sound and has not been damaged by erosion or construction equipment, the height of the stone outlet should be checked to ensure that its center is at least 1 foot below the top of the embankment.
- Temporary Sediment Basin** - The basin embankment should be checked regularly to ensure that it is structurally sound and has not been damaged by erosion or construction equipment. The emergency spillway should be checked regularly to ensure that its lining is well established and erosion-resistant. The basin should be checked after each runoff producing rainfall for sediment cleanup and trash removal. When the sediment reaches the cleanup level, it shall be removed and properly disposed of.
- 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.
- Mulching** - All mulches and soil coverings should be inspected periodically (particularly after rainstorms) to check for erosion. Where erosion is observed in mulched areas, additional mulch should be applied. Nets and mats should be inspected after rainstorms for dislocation or failure. If washouts or breakage occur, reinstall netting or matting as necessary after repairing damage to the slope or ditch. Inspections should take place until grasses are firmly established. Where mulch is used in conjunction with ornamental plantings, inspect periodically throughout the year to determine if mulch is maintaining coverage of the soil surface; repair as needed.
- 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.

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 Drainage Criteria Manual Chapter 8 Sect 8.2.4. 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 (8.5.2), Solid Waste Management (8.5.3), Material Delivery & Storage (8.5.4), Street Cleaning/Sweeping (8.5.5), and Vehicle & Equipment Fueling (8.5.6) must be addressed when applicable. The aforementioned publications can be found at <https://fremontne.gov>.
- The SWPPP documents (e.g., NDEE-NPDES, SWPPP-SM, SWPPP-N, etc.) are essential and a requirement in one part is as binding as though occurring in all. The SWPPP documents are complementary. The documents describe and provide the complete SWPPP. The APPLICANT, INSPECTOR, and/or CONTRACTORS/OPERATORS may not take advantage of any apparent SWPPP errors or omissions. The INSPECTOR shall notify the APPLICANT, DESIGNER, and CONTRACTORS/OPERATORS promptly of any omissions or errors. The APPLICANT shall instruct the DESIGNER to make any corrections necessary to fulfill the overall intent of the SWPPP Documents (e.g., Grading Permit Modification Form). In the case of a discrepancy between parts of the SWPPP documents, the most stringent requirement shall rule.



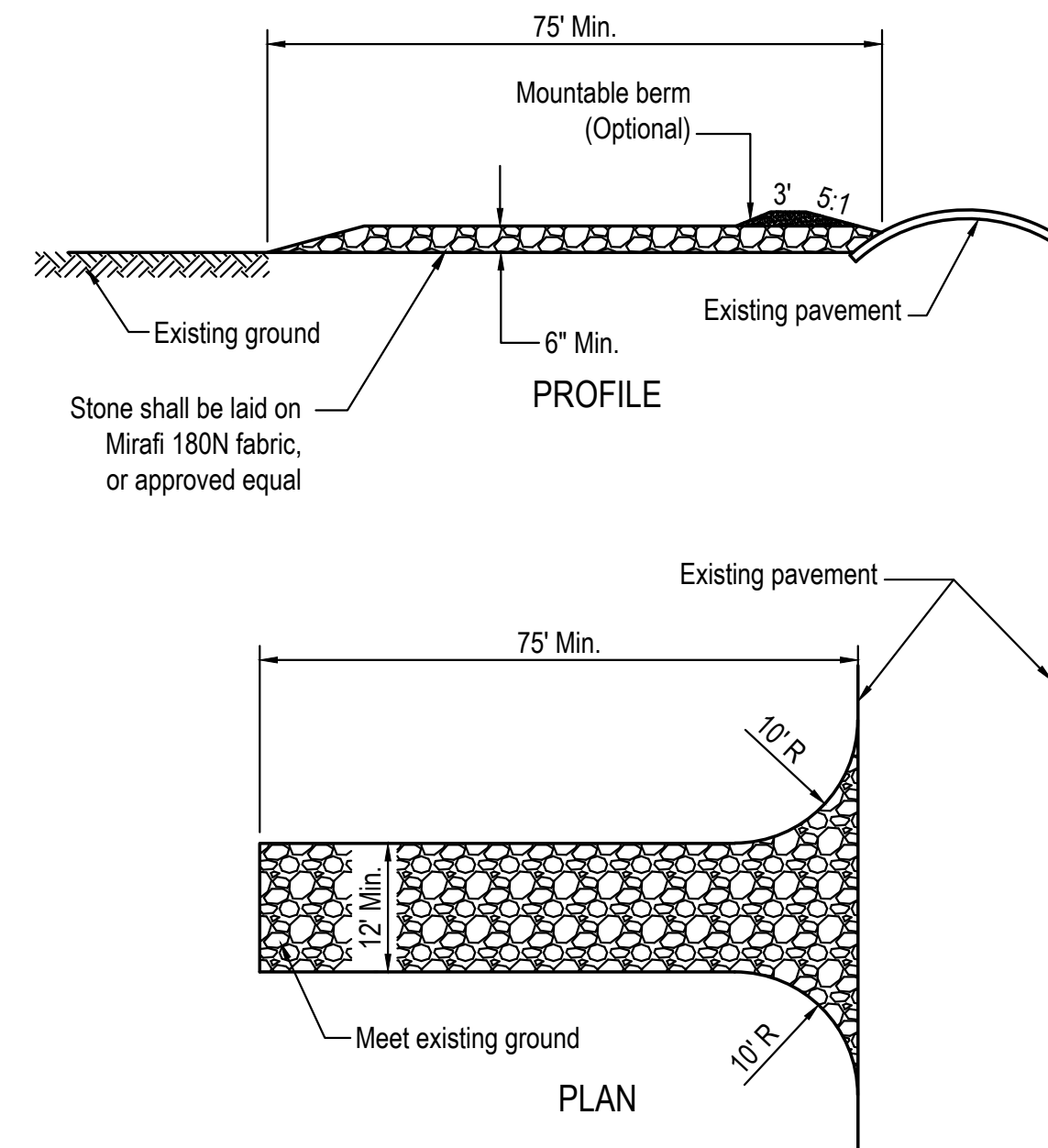
STANDARD DETAILS

NUMBER	NAME	LOCATION
8.4.2	Construction Entrance	Drainage Criteria Manual
8.4.5	Storm Drain Inlet Protection	Drainage Criteria Manual
8.4.7	Temporary Diversion Dike	Drainage Criteria Manual
8.4.8	Temporary Fill Diversion	Drainage Criteria Manual
8.4.14	Temporary Sediment Trap	Drainage Criteria Manual
8.4.15	Temporary Sediment Basin	Drainage Criteria Manual
8.4.16	Dust Control	Drainage Criteria Manual
8.4.19	Temporary Seeding	Drainage Criteria Manual
8.4.20	Permanent Seeding	Drainage Criteria Manual
8.4.22	Mulching	Drainage Criteria Manual
8.4.23	Soil Stabilization Blankets & Matting	Drainage Criteria Manual
8.5.2	Sanitary Waste Management	Drainage Criteria Manual
8.5.3	Solid Waste Management	Drainage Criteria Manual
8.5.4	Material Delivery And Storage	Drainage Criteria Manual
8.5.5	Street Cleaning/Sweeping	Drainage Criteria Manual
8.5.6	Vehicle And Equipment Fueling	Drainage Criteria Manual
8.6.1	SWPPP Notification Sign	Drainage Criteria Manual
9.5.7	Concrete Washout	Drainage Criteria Manual

The Drainage Criteria Manual for the City of Fremont can be found by contacting the City of Fremont Public Works Department: Justin Zetterman (Phone: 402-727-2639 ext 1006; email: Justin.Zetterman@fremontne.gov).

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.	Following soil disturbance, permanent or temporary stabilization must be completed as soon as practicable, but in no case more than 7 days to the surface of all perimeter sediment controls, topsoil stockpiles, and any other disturbed or graded areas on the project site which are not being used for material storage, or on which actual earth moving activities are not being performed.
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.



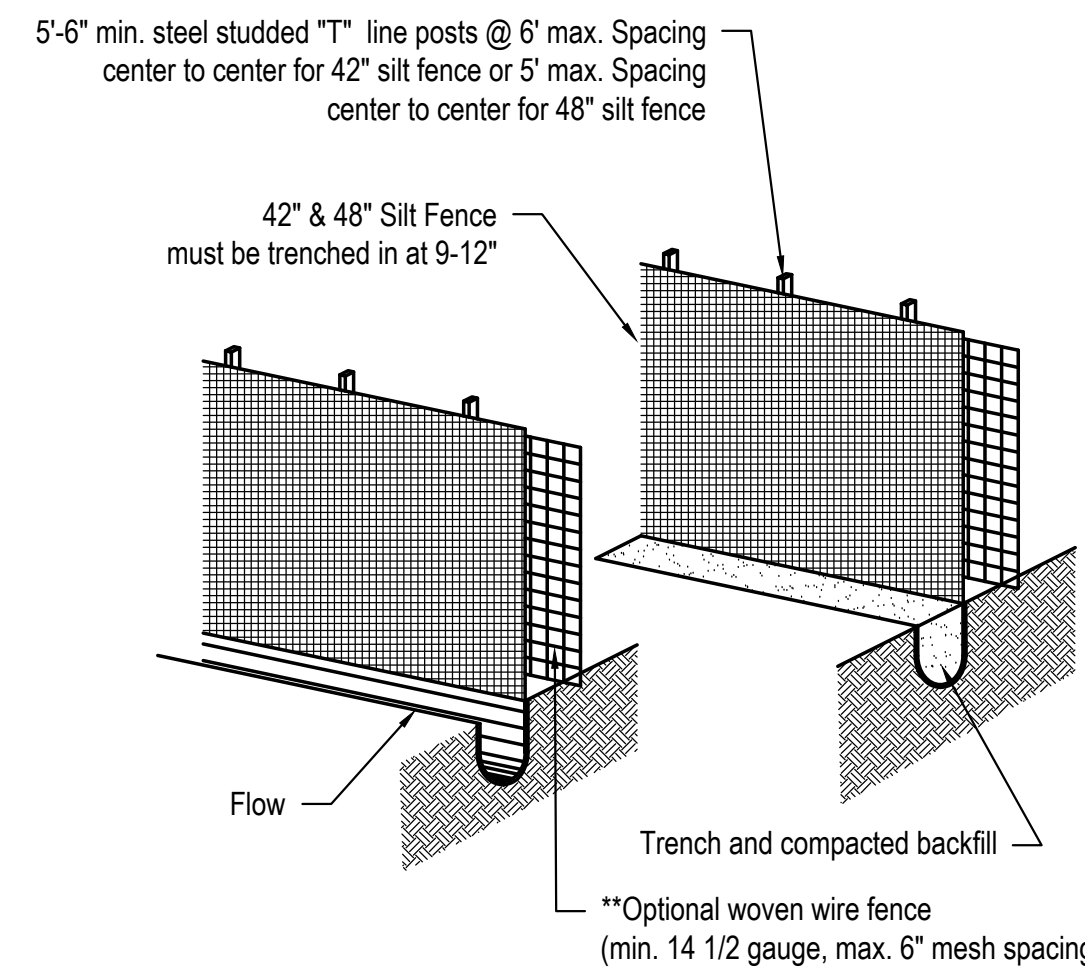
NOTES

- The stone size shall be 2" diameter or a reclaimed broken concrete equivalent.
- Contractor to construct the road to the length required but not less than 75'.
- The thickness of the stone shall be 6".
- The width of the construction entrance shall be 12' minimum, but in no case less than the full width at points where ingress and egress occurs.
- All surface runoff flowing or diverted towards the construction entrance shall be piped across the entrance. If piping is impractical, a mountable berm with 5H:1V will be permitted.
- The entrance shall be maintained in a condition which will prevent tracking or flowing of sediment onto public rights-of-way. This may require periodic top dressing with additional stone as conditions demand and repair and/or cleanup of any measures used to trap sediment. All sediment spilled, dropped, tracked, or washed onto public rights-of-way must be removed immediately.
- Wheels shall be cleaned to remove sediment prior to entrance onto public right-of-way. When washing is required, it shall be done on an area stabilized with stone which drains into an approved sediment trapping device.
- Periodic inspection and needed maintenance shall be provided after each rain.

STABILIZED CONSTRUCTION ENTRANCE NOT TO SCALE

NOTES:

- Acceptable silt fence specifications- AOS (#20 - 50 Sieve), Water Flow Rate (50 gpm/ sq. ft. - 125 gpm/ sq.ft), Tensile Strength (Grab) - (Min. 120 Warp or greater and Elongation (5-25%).
- On each new run of silt fence spray paint the beginning of the run with 0+00 and spray paint the end with the date of installation and LF of the run.
- Silt fence should be securely fastened to each steel support post or to woven wire which is in turn attached to the steel fence posts. A minimum of 3 ties are required for each post. To be located in the top 12" of the silt fence.
- Steel posts which support the silt fence shall be installed on a slight angle toward the anticipated runoff source. (Incline all posts 20° Max. from vertical, toward flow)
- Silt fence shall be trenched in with a silt fence plow so that the downslope face of the trench is flat and perpendicular to the line of flow.
- Silt fence shall be removed when it has served its usefulness so as not to block or impede storm flow or drainage.
- Sediment trapped by this practice shall be uniformly distributed on the source area prior to topsoiling.



SILT FENCE NOT TO SCALE

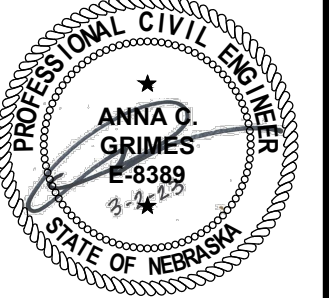
ne1call.com
Nebraska 811
 know what's below.
 Call before you dig.

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 Engineering • Planning • Environmental & Field Services



DIERS 8TH ADDITION
 LOTS 1 AND 2, BLOCK 1 AND
 OUTLOTS "A" THRU "D" INCLUSIVE
 GRADING & SWPPP
 - SECTION 1
 DODGE COUNTY, NEBRASKA

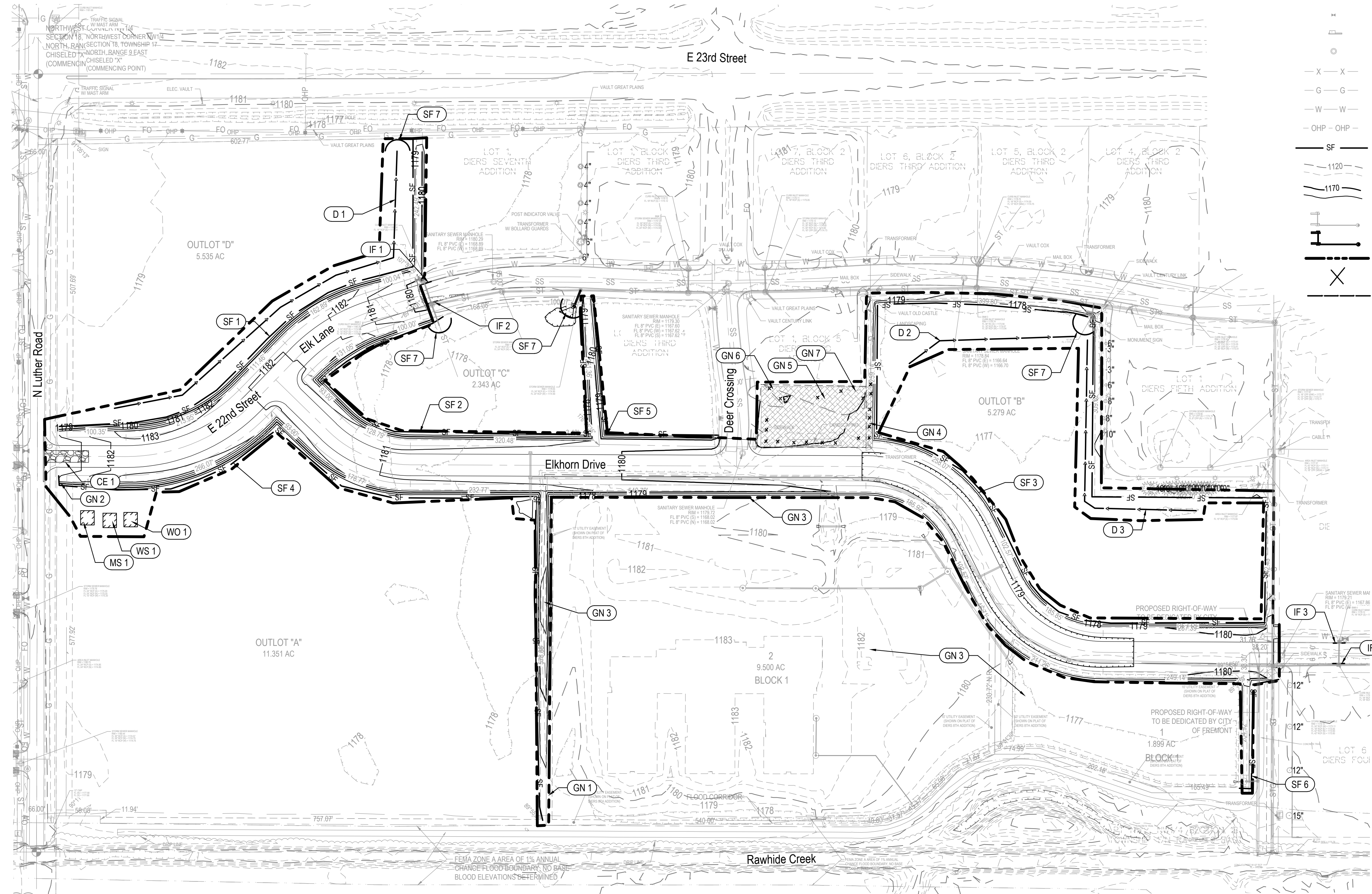
NOTES & DETAILS



Revisions	Description	Date
AA		2/3/2023

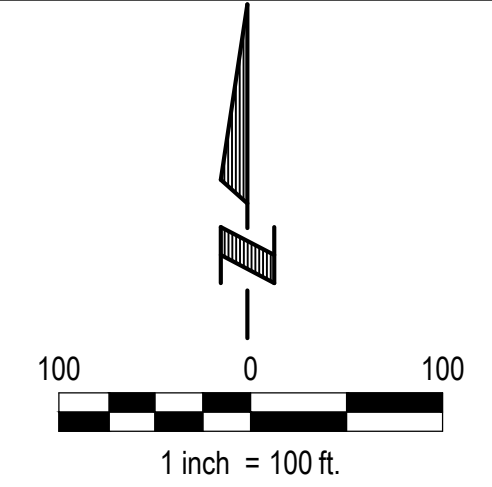
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 Date: 2/3/2023
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 Scale: AS SHOWN
 Sheet: 3 of 6

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 Jared L. Hemphill



LEGEND

- Power Pole
- | Guy Wire
- ⊙ Light Pole
- ⊙ Fire Hydrant
- ⊙ Utility Valve (Water)
- ⊙ Curb Inlet
- ⊙ Manhole
- X - X - Fence Line
- G - G - Gas Line
- W - W - Water Line
- OHP - OHP - Power Line (Overhead)
- SF - Silt Fence
- Existing Contours
- Proposed Contours
- Future Storm Sewer
- Proposed Storm Sewer
- Limits of Construction
- Remove Landscaping
- Diversion



NO GRADING & EROSION CONTROL REFERENCE NOTES

- CONSTRUCT STONE CONSTRUCTION ENTRANCE** - See Section 8.4.2 per Drainage Criteria Manual
- CE 1 Construct Stone Construction Entrance
- INSTALL INLET FILTER** - See Section 8.4.5 per Drainage Criteria Manual
- IF 1 Construct Inlet Filter, 20 LF
 - IF 2 Construct Inlet Filter, 20 LF
 - IF 3 Construct Inlet Filter, 20 LF
 - IF 4 Construct Inlet Filter, 20 LF
- CONSTRUCT SILT FENCE** - See Detail and Section 8.4.4 per Drainage Criteria Manual
- SF 1 Silt Fence, 920 LF
 - SF 2 Silt Fence, 946 LF
 - SF 3 Silt Fence, 2,202 LF
 - SF 4 Silt Fence, 1,444 LF
 - SF 5 Silt Fence, 427 LF
 - SF 6 Silt Fence, 242 LF
 - SF 7 Construct Silt fence to protect existing and proposed drainage systems, 50 LF, 350 TOTAL.
- CONSTRUCT DIVERSION** - See Section 8.4.7 per Drainage Criteria Manual. Cost shall be subsidiary to grading.
- D 1 Diversion, 733 LF
 - D 2 Diversion, 292 LF
 - D 3 Diversion, 467 LF
- GENERAL**
- GN 1 Phase 1 Limits of Construction
 - GN 2 SWPPP Notification Sign location. Sign shall be provided by the Inspector and shall conform to Section Proposed School Site, By Others. It is anticipated grading and utilities for the school will be completed by the time right-of-way grading and utility construction will be completed. Any changes to the aforementioned timelines of the concurrent projects will be communicated to the Contractor.
 - GN 3 Upon completion of grading, sod disturbed area, 2,240 SY.
 - GN 4 No grading shall be completed within property lines until the Engineer has obtained a grading easement.
 - GN 5 Contractor to replant landscaping that was removed for grading back to existing conditions, 1 LS
 - GN 6 Repair Irrigation, 1 LS
 - MS 1 Proposed Material Storage Area. Alternate location shall be approved by the Inspector. Storage area shall conform to Section 8.5.4 of the Drainage Criteria Manual.
 - WS 1 Proposed Waste Storage Area. Alternate location shall be approved by the Inspector. Storage area shall conform to Section 8.5.3 of the Drainage Criteria Manual.
 - WO 1 Proposed Concrete Washout Facility. Alternate location shall be approved by the Inspector. Washout facility shall conform to Section 8.5.7 of the Drainage Criteria Manual.

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10309 Mill Valley Road, Suite 100 • Omaha, NE 68154
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 Engineering Answers

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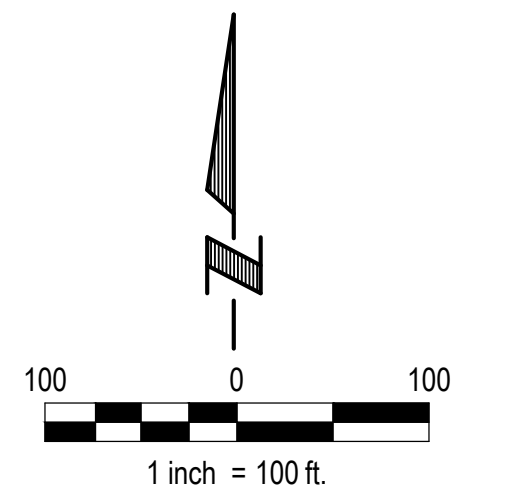
GRADING & SWPPP -
 GRADING PLAN

Revisions	Description	Date	By	Checked	Scale	Sheet
AA		2/23/2023	JLH	JLH	AS SHOWN	4 of 6

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 Sheet: 4 of 6

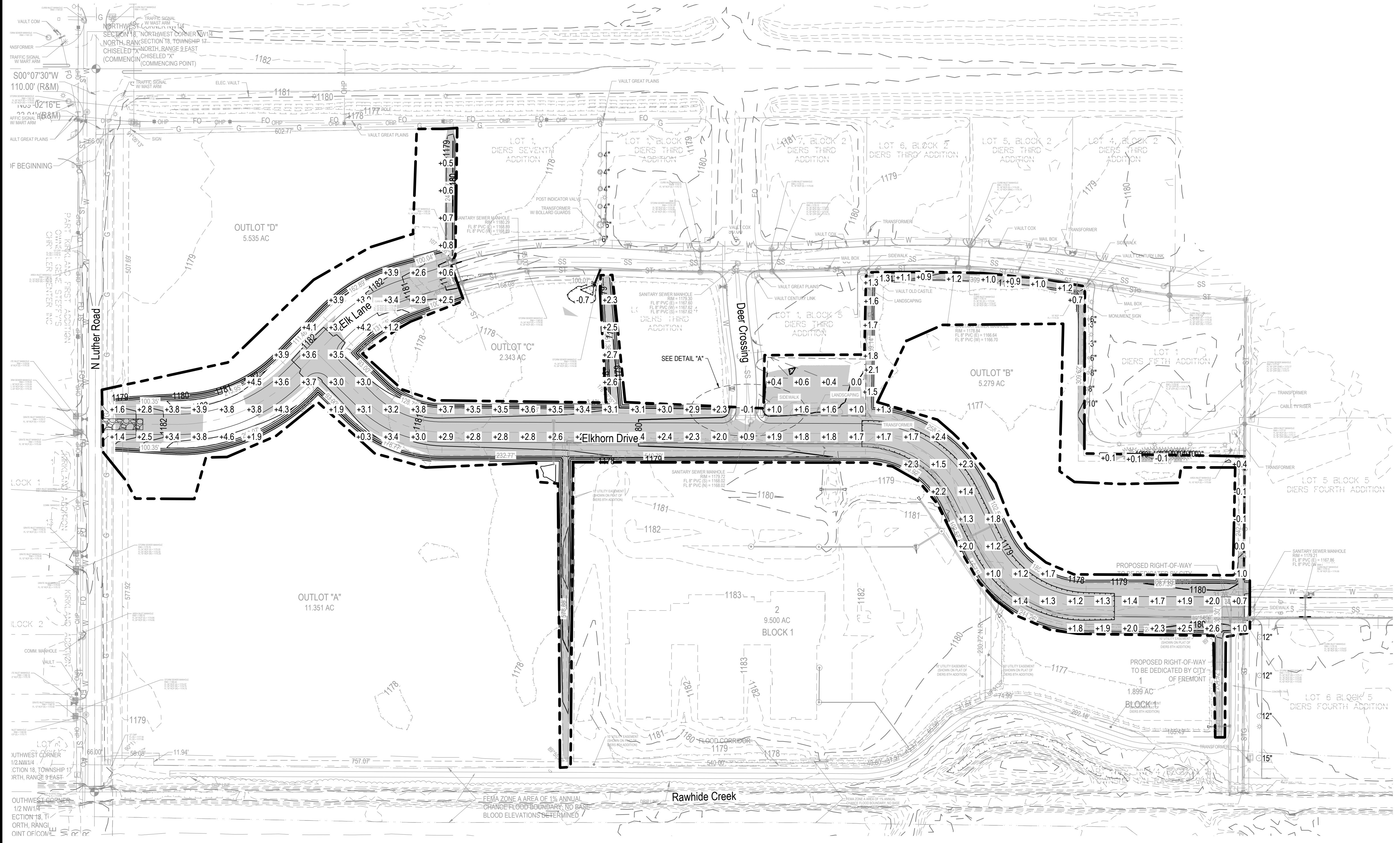
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CUT 161 CY
 FILL (W/ 35% SHRINKAGE) 34,489 CY
 NET +34,328 (SHORT)



LEGEND

- Power Pole
- Guy Wire
- Light Pole
- Fire Hydrant
- Utility Valve (Water)
- Curb Inlet
- Manhole
- Fence Line
- Gas Line
- Water Line
- Power Line (Overhead)
- Existing Contours
- Proposed Contours
- Future Storm Sewer
- Proposed Storm Sewer
- Limits of Construction
- Fill Areas

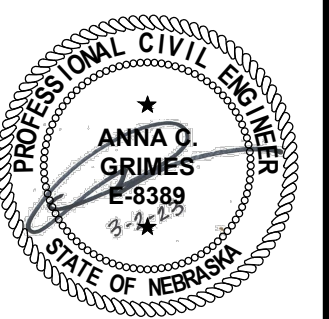


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**GRADING & SWPPP - CUT
 FILL**



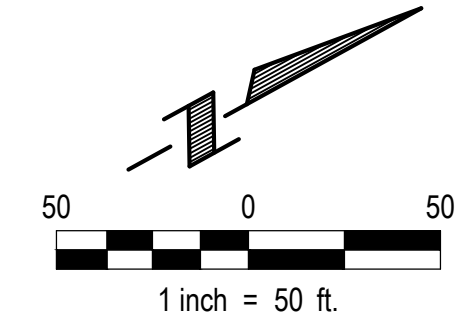
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P2022.101.001		
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Designed By:	JLH	
Drawn By:	JLH	
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Sheet:	5	of 6

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REFERENCE NOTES
 RN 1 Construct storm sewer tap, 1 EA. Contractor to field verify elevations.

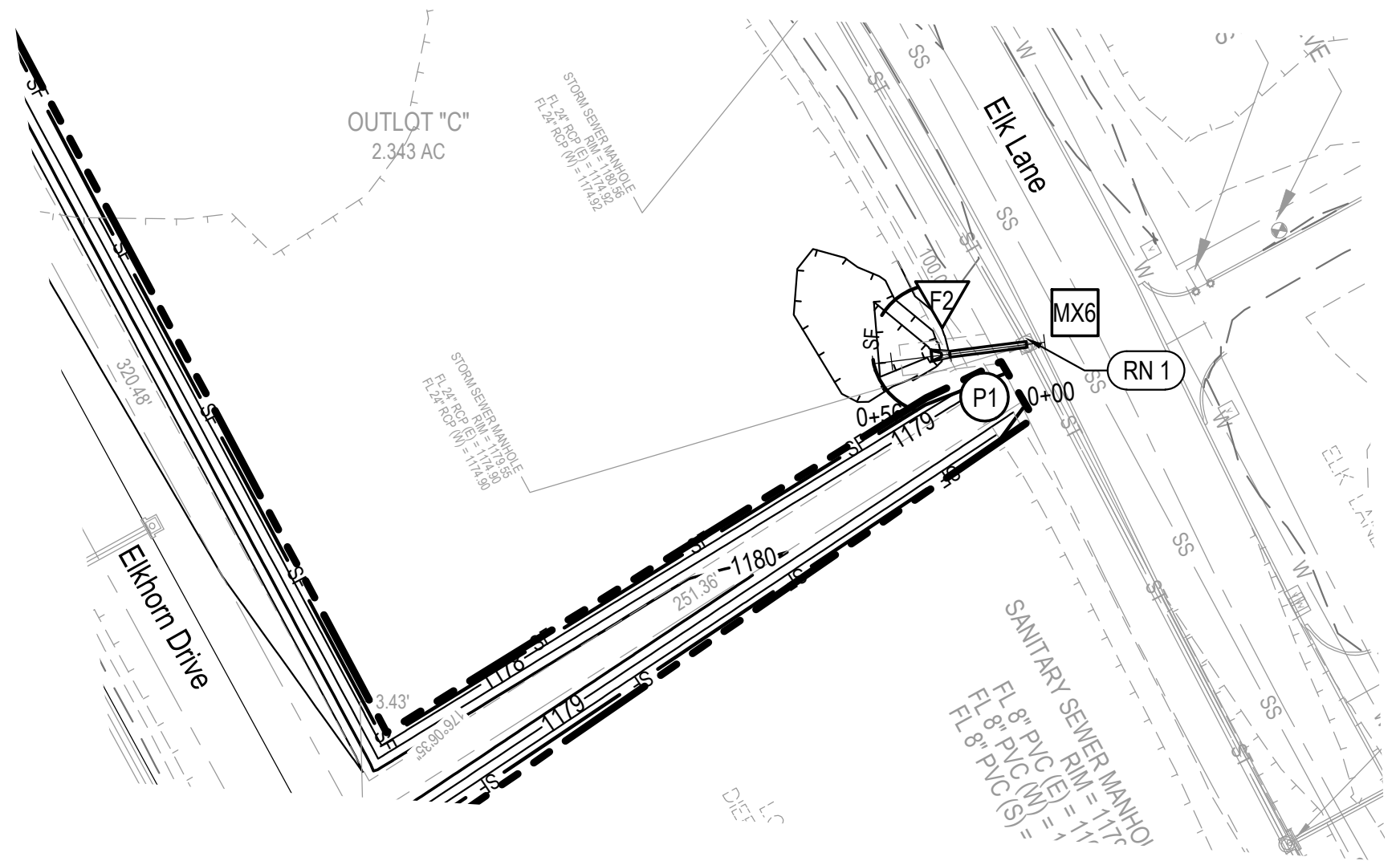
CONSTRUCT REINFORCED CONCRETE PIPE							
ID	START STRUCTURE	END STRUCTURE	Dia.	Class	Length	Slope	Remarks
P1	F2	MX6	18"	III	25.10	1.00%	

CONSTRUCT FLARED END SECTION					
ID	Storm Sta.	Description (Size)	Details	Coordinates	Remarks
F2	0+30.99	18"	FL = 1175.90 (18")	N: 39609.12 E: 130262.82	



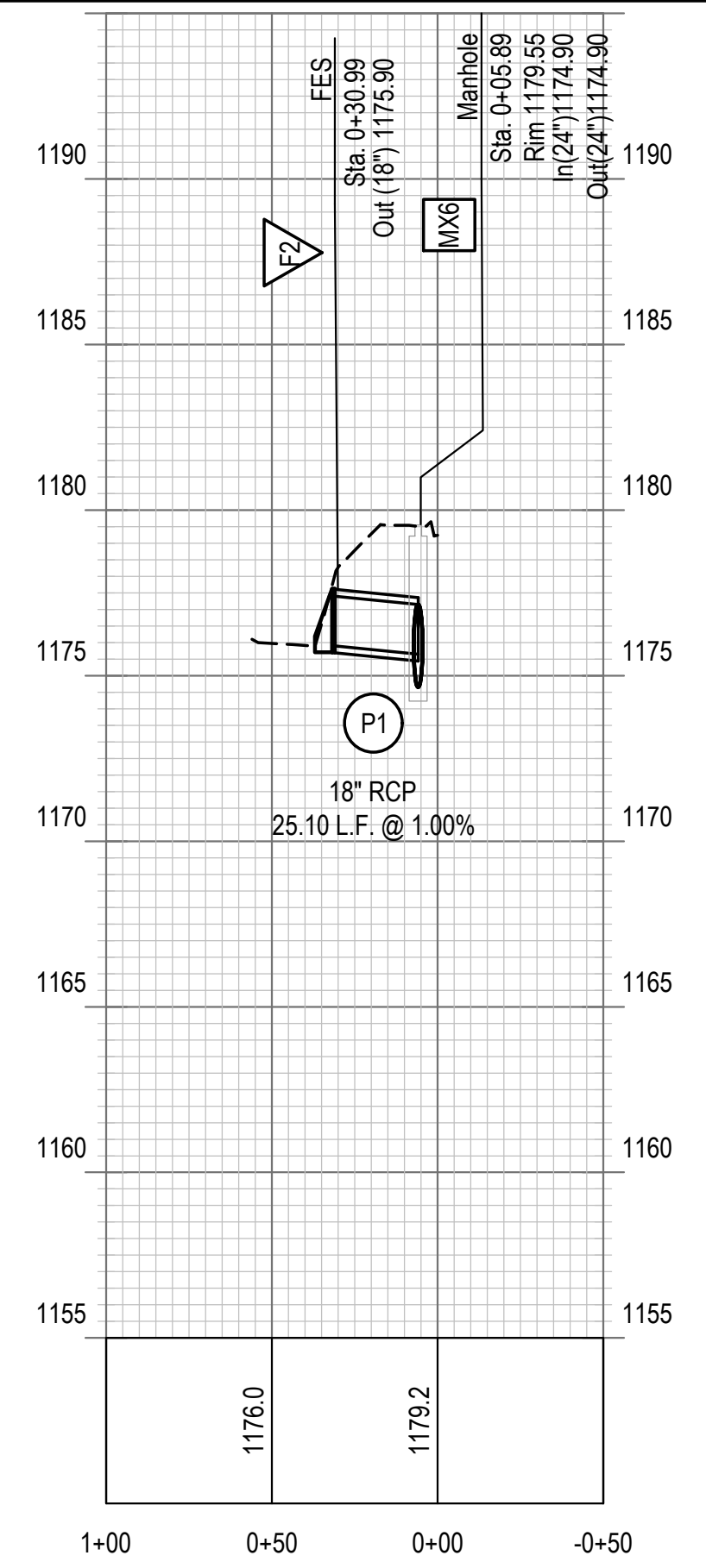
LEGEND

	Power Pole
	Guy Wire
	Light Pole
	Fire Hydrant
	Utility Valve (Water)
	Curb Inlet
	Manhole
	Fence Line
	Gas Line
	Water Line
	Power Line (Overhead)
	Silt Fence
	Existing Contours
	Proposed Contours
	Future Storm Sewer
	Proposed Storm Sewer
	Limits of Construction



Scale: Horiz. 1"=50'
 Vert. 1"=5'

OUTLOT "C"



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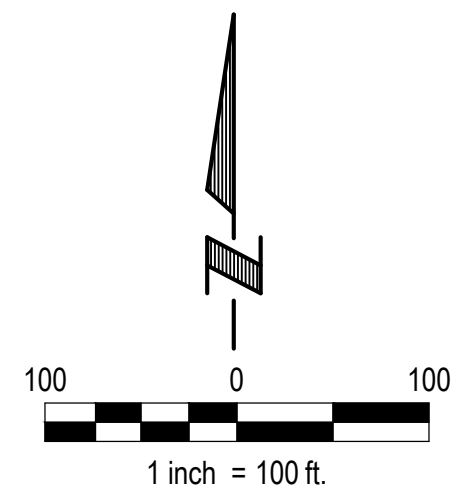
GRADING & SWPPP - NETWORKS

ANNA O. GRIMES
 PROFESSIONAL CIVIL ENGINEER
 #3389
 STATE OF NEBRASKA

Revisions	Date	Description
1	2/3/2023	JLH

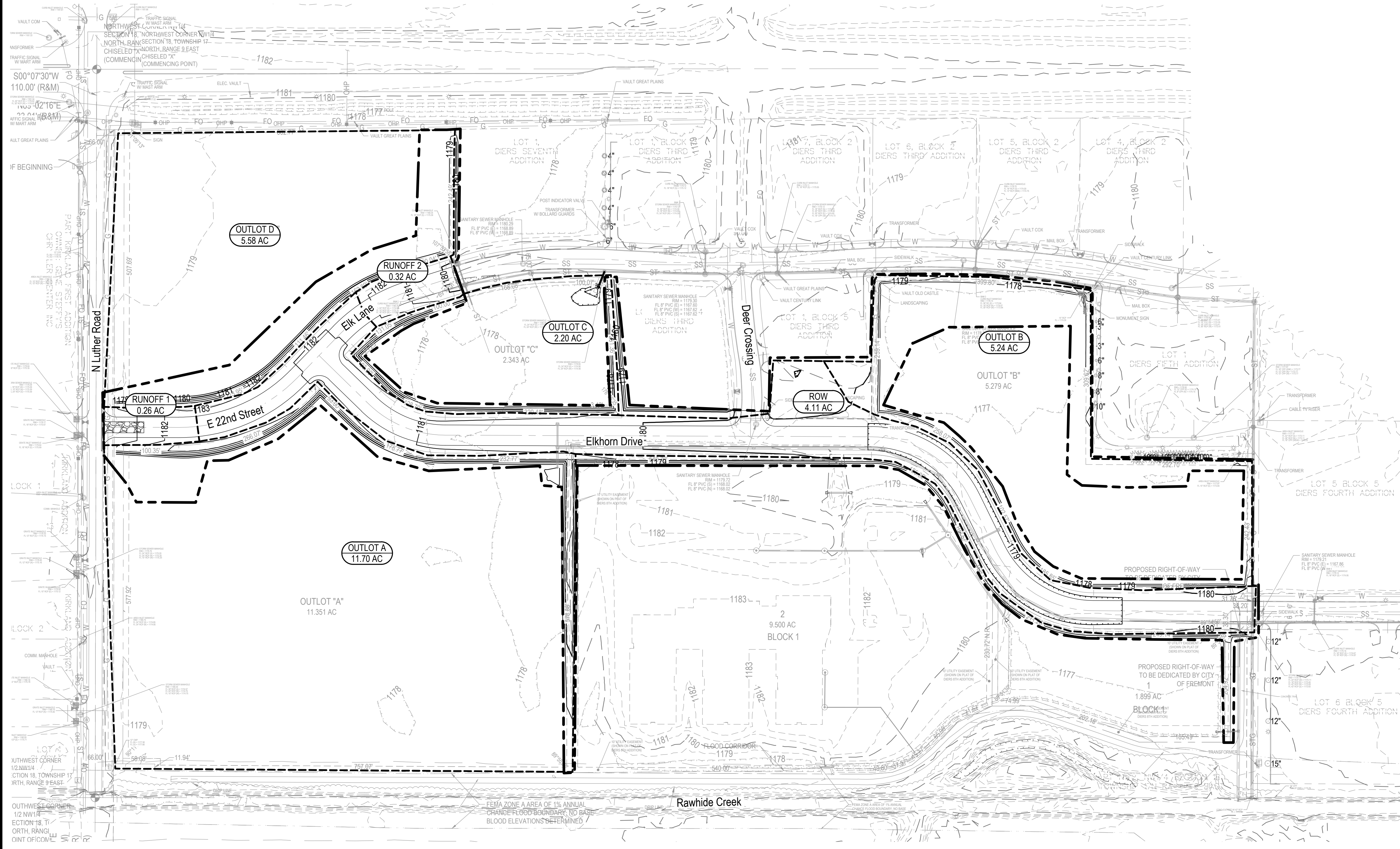
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 Sheet: 6 of 6

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LEGEND

- Power Pole
- Guy Wire
- Civil Defense Siren
- Power Line (Overhead)
- Diversion Berm
- Silt Fence
- Erosion Control Terrace
- Sediment Basin Perimeter
- Drainage Area Boundary
- Drainage Basin Label
- Future Storm Sewer
- Future Sanitary Sewer

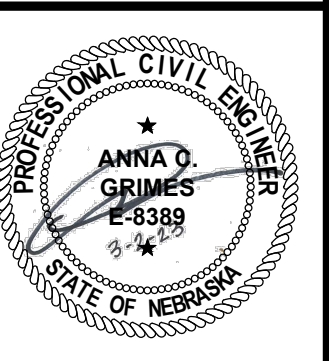


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Proj No.	Date	Revisions	Description
P2022.101.001	2/23/2023	1	Initial Design
		2	Final Design

Designed By: J.L.H.
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 Scale: AS SHOWN
 Sheet: 7 of 6