



E & A CONSULTING GROUP, INC.

Engineering Answers

10909 Mill Valley Rd, Ste 100 | Omaha, NE 68154
402.895.4700
eacg.com

Dear Homeowner,

The SID has contracted concrete work to be done on the streets in your SID. A contractor will be on site to do work which includes removing the existing concrete that is damaged and replacing it with new pavement.

Throughout the course of this project, there could be some minimal damage done to yards and or sprinkler systems. The contractor that is on site will be responsible for replacing any damaged sprinkler lines and/or heads. They will also be responsible for any yard damage. Once the new seed and mat and/or sod is installed, it will be the responsibility of the homeowner at each lot to water the new seed and mat and/or sod until it has re-established itself.

Before starting the work on site, each contractor must put in a call and have all the utilities in the area located. You might notice some areas in your yard that have been flagged and/or spray painted. This does not indicate the area in which they will be working. It is just to give them an idea of what kind of utilities are in the area that could possibly be hit while the contractor is on site working.

All work that is completed in public Right-of-Way and follow City of Omaha and Sarpy County specifications.

The work in your SID should not take longer than 30 days to complete. Please let me know if you have any questions or concerns on this at all.

Thank You,

A handwritten signature in blue ink, appearing to read 'TG', is written over a light blue horizontal line.

Travis Gifford

Construction Admin Tech

Engineering Answers...by transforming concepts into reality

E & A Consulting Group, Inc.

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

402.895.4700 (o) • 402.702.1767 (m)

tgifford@eacg.com

BELLE LAGO

PCSMP BASIN A-B CONVERSION & BASIN C CLOSURE

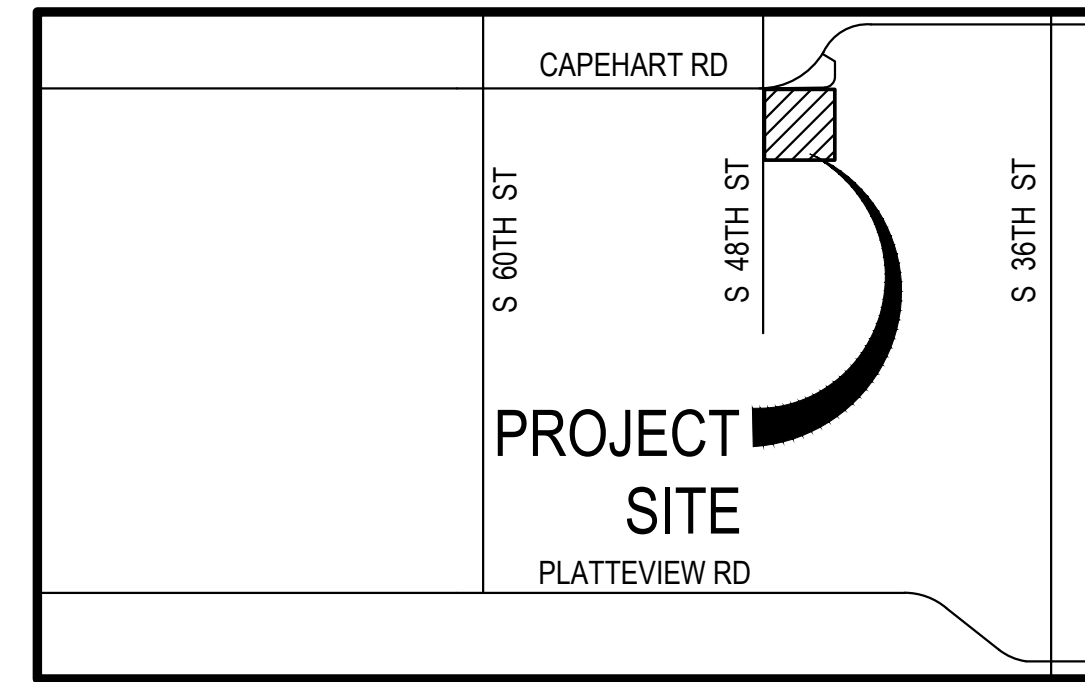
Located in the NW 1/4 of Section 08, Township 13N, Range 13E, of the 6th P.M.

SID NO. 325

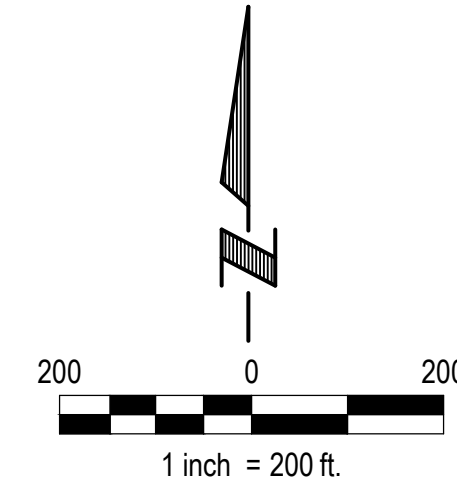
SARPY COUNTY, NEBRASKA

APPROXIMATE BID QUANTITIES

| ITEM | DESCRIPTION | QUANTITY | UNIT |
|------|--|----------|------|
| 1 | INSTALL CONSTRUCTION ENTRANCE | 3 | EA |
| 2 | INSTALL STRAW WATTLE | 719 | LF |
| 3 | INSTALL CURB INLET PROTECTION | 3 | EA |
| 4 | INSTALL SILT FENCE | 241 | LF |
| 5 | REMOVE SILT FENCE | 80 | LF |
| 6 | CLEARING & GRUBBING - GENERAL | 1 | LS |
| 7 | EXCAVATE, DRY AND RE-COMPACT SILT OR HAUL OFF SITE | 350 | CY |
| 8 | EXCAVATION ON-SITE (ESTABLISHED QUANTITY) | 1,681 | CY |
| 9 | EXCAVATION HAUL-OFF (ESTABLISHED QUANTITY) | 6 | CY |
| 10 | REMOVE CMP RISER STRUCTURE AND BASE | 3 | EA |
| 11 | REMOVE 18" PIPE PLUG | 1 | EA |
| 12 | REMOVE 18" RCP | 126 | LF |
| 13 | REMOVE 24" RCP | 40 | LF |
| 14 | REMOVE 30" RCP | 3 | LF |
| 15 | REMOVE 18" FES | 2 | EA |
| 16 | REMOVE AND RELAY 24" FES | 1 | EA |
| 17 | CONSTRUCT 18" PIPE PLUG | 1 | EA |
| 18 | CONSTRUCT 18" CONCRETE COLLAR | 1 | EA |
| 19 | CONSTRUCT 24" CONCRETE COLLAR | 1 | EA |
| 20 | CONSTRUCT 24" COLLAR (AS NEEDED FOR FES RE-USE) | 1 | EA |
| 21 | CONSTRUCT 18" RCP | 16 | LF |
| 22 | CONSTRUCT 24" RCP | 40 | LF |
| 23 | CONSTRUCT 54" TYPE II AREA INLET - MODIFIED | 2 | EA |
| 24 | REMOVE AND REPLACE 5" PCC 5' WIDE SIDEWALK | 704 | SF |
| 25 | INSTALL NORTH AMERICAN GREEN S150 - TYPE A SEED & MAT | 4,899 | SY |
| 26 | INSTALL NORTH AMERICAN GREEN S150 AND SEED - RAIN GARDEN MIX | 1,097 | SY |
| 27 | INSTALL NORTH AMERICAN GREEN VMAX C350 AND SEED - TYPE A MIX | 94 | SY |
| 28 | CONSTRUCT FLEXAMAT | 571 | SF |

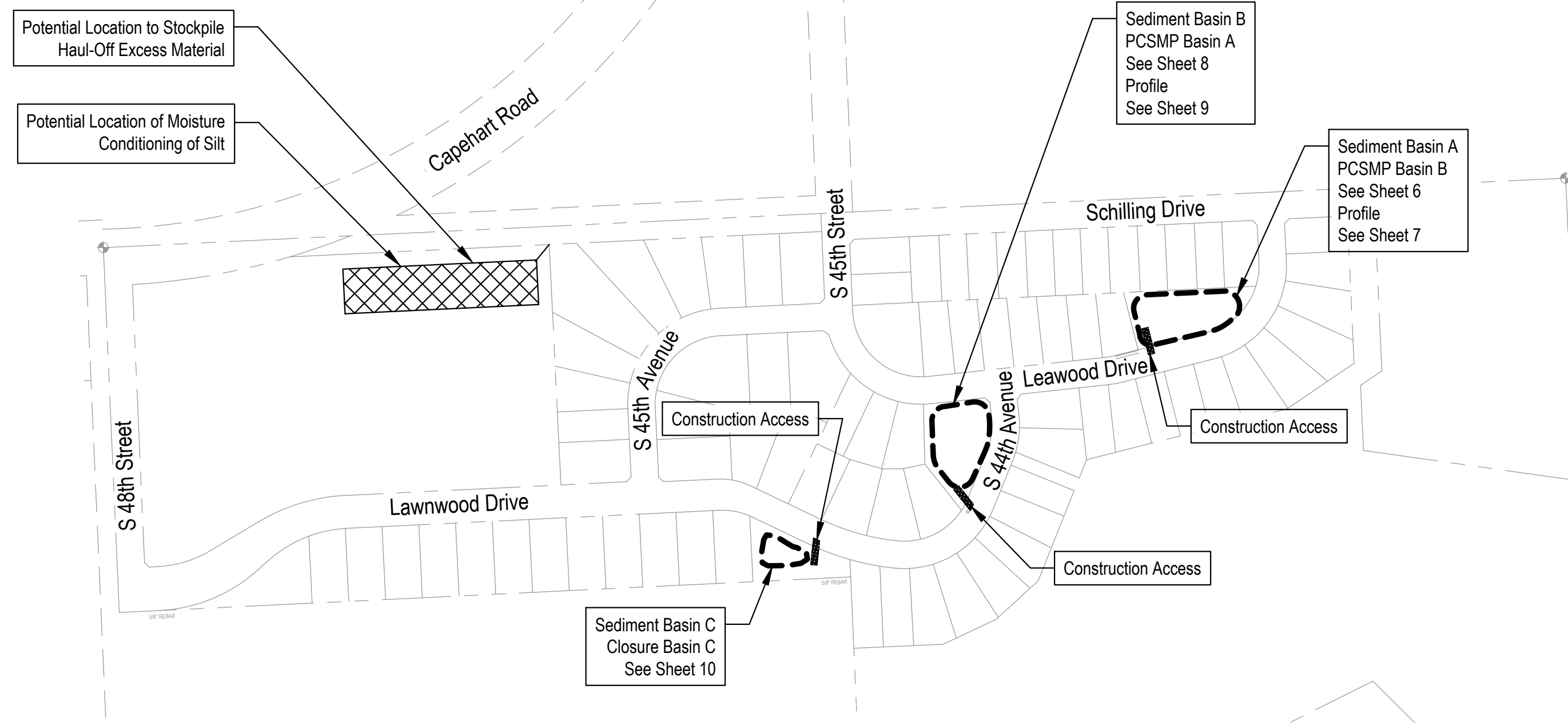


VICINITY MAP



INDEX OF SHEETS

| SHEET NO. | DESCRIPTION |
|-----------|----------------------------------|
| 1 | COVER |
| 2 | NOTES |
| 3 | DETAILS |
| 4 | TOPOGRAPHIC SURVEY - BASIN A |
| 5 | TOPOGRAPHIC SURVEY - BASIN B & C |
| 6 | PCSMP BASIN B - PLAN |
| 7 | PCSMP BASIN B - PROFILE |
| 8 | PCSMP BASIN A - PLAN |
| 9 | PCSMP BASIN A - PROFILE |
| 10 | CLOSURE BASIN C - PLAN |



Notes to Bidders:

Basins to be removed or converted and graded as shown. All silt is to be removed from basin before grading can be started. Contractor to pump any water from basin using BMP of contractor's selection. Contractor to remove trees and rip rap as needed. Removals shall be considered subsidiary to removing basin.

Item 1 - Install Construction Entrance. This item is intended to pay the Contractor for the installation, maintenance and removal of the construction entrance prior to seeding.

Item 2 - Install Straw Wattle. This item is intended to pay the Contractor for the installation, maintenance and removal of straw wattle prior to seeding.

Item 3 - Install Curb Inlet Protection. This item is intended to pay the Contractor for the installation, maintenance and removal of the curb inlet protection prior to seeding.

Item 4 - Install Silt Fence. This item is intended to pay the Contractor for the installation, maintenance and removal of the silt fence prior to seeding.

Item 7 - Excavate, Dry & Recompact Silt. The Excavation of silt and placement as backfill shall be per Section 201 of the City of Omaha Standard Specifications. This item is intended to pay the Contractor for dewatering and silt removal accumulated in the bottom of the existing basin, the moisture conditioning of the silt (either on-site or off-site) and the placement and compaction as structural fill to the pre-construction elevations. The Contractor shall remove silt to virgin ground (see Basin Removal Detail). A Geotechnical subconsultant shall inspect and approve silt removal prior to placement of any fill. Silt removal may be trucked off site or at the discretion of the contractor, dried to within acceptable moisture content levels. Whether the soil is trucked off site or moisture conditioned on site, additional embankment shall be supplied to bring the elevation back to the original elevation of the silt prior to construction. At this point, the excavation on site or borrow from off site can commence. The cost of bringing additional soil to the site to bring the elevations back to original (pre-construction) grade shall be subsidiary to excavate, dry & recompact silt. The Engineers estimate of silt is 350 CY. This quantity will be considered an established quantity and will only be changed by a written change order. See locations of potential areas for moisture conditioning of silt.

Item 8 - Excavation (on-site) - Established Quantity. This item is intended to pay the contractor for materials necessary to excavate, transport, place and compact material located on site. The unit cost bid shall include the cost of excavation, loading for transport, transport, unloading, placement and compaction to fill. Compaction requirement is 95% Standard (ASTM D-698) with moisture limits of - 3% to + 4% optimum. The Engineers estimate 1,681 CY (adjusted - See details below). A topographic survey will be done before construction begins. This item is paid for at an established quantity unit price, and it is the contractor's responsibility to determine if the estimated amount is accurate. No adjustment to this quantity bid will be accepted without an approved written change order.

Item 9 - Excavation (Haul-Off) - Established Quantity. This item is intended to pay the contractor for materials necessary to excavate, transport, place material located off site. This item is also intended to pay the contractor for material required to be hauled off to complete the project to the grade shown on the plan. The unit cost bid shall include the cost of excavation, loading for transport, transport, unloading, placement. The Engineers estimate 6 CY (adjusted - See details below). A topographic survey will be done before construction begins. This item is paid for at an established quantity unit price, and it is the contractor's responsibility to determine if the estimated amount is accurate. No adjustment to this quantity bid will be accepted without an approved written change order. Contact Engineer for local sites that may be available for placement of excavation haul off. See locations of potential areas to stockpile haul-off excess material.

Cut/Fill Summary

| Name | Cut Factor | Fill Factor | 2d Area | Cut | Fill | Net |
|--|------------|-------------|-------------------------|------------------------|------------------------|--------------------------------|
| Comparison PCSMP Basin B (Sediment Basin A) Outlot A | 1.000 | 1.350 | 14163.64 Sq. Ft. | 787.44 Cu. Yd. | 600.69 Cu. Yd. | 186.75 Cu. Yd.<Cut> |
| Comparison PCSMP Basin A (Sediment Basin B) Outlot C | 1.000 | 1.350 | 17669.44 Sq. Ft. | 892.36 Cu. Yd. | 140.56 Cu. Yd. | 751.80 Cu. Yd.<Cut> |
| Comparison PCSMP Basin C (Sediment Basin C) Outlot D | 1.000 | 1.350 | 5871.10 Sq. Ft. | 1.87 Cu. Yd. | 934.03 Cu. Yd. | 932.15 Cu. Yd.<Fill> |
| Totals | | | 37704.18 Sq. Ft. | 1681.67 Cu. Yd. | 1675.28 Cu. Yd. | 6.40 Cu. Yd.<Cut> |

APPROVED

SARPY COUNTY ENGINEER

DATE

THE COUNTY ENGINEER'S SIGNATURE AFFIXED TO THIS DOCUMENT INDICATES THAT THE SARPY COUNTY PUBLIC WORKS DEPARTMENT HAS REVIEWED THE DOCUMENT AND FOUND IT TO BE IN GENERAL CONFORMANCE WITH SARPY COUNTY, STATE AND FEDERAL REQUIREMENTS. THE COUNTY ENGINEER THROUGH APPROVAL OF THIS DOCUMENT ASSUMES NO RESPONSIBILITY, OTHER THAN THAT STATED ABOVE, FOR THE COMPLETENESS AND/OR ACCURACY OF THESE DOCUMENTS. THE ENGINEER OF RECORD UNDERSTANDS IT IS THE POLICY AND PRACTICE OF SARPY COUNTY TO NOT ACCEPT LIABILITY FOR FACILITIES DESIGNED BY OTHERS. THE RESPONSIBILITY FOR THE ENGINEERING ADEQUACY OF THE FACILITIES DEPICTED IN THIS DOCUMENT LIE SOLELY WITH THE REGISTERED PROFESSIONAL ENGINEER WHOSE STAMP IS AFFIXED TO THIS DOCUMENT.

BENCHMARK:

| | |
|----------------------|---|
| BENCHMARK #1: | CHISELED "X", SOUTH RIM OF A CURB INLET MANHOLE, FIRST CURB INLET WEST OF 44TH AVENUE ON THE SOUTH SIDE OF LAWNWOOD DRIVE. BOOK 4464, PAGE 15. |
| ELEV: | 1,136.68' |
| BENCHMARK #2: | CHISELED "X", NORTH RIM OF A SANITARY SEWER MANHOLE, FIRST SANITARY MANHOLE WEST OF 45TH AVENUE N THE APPROXIMATE CENTERLINE OF LAWNWOOD DRIVE. BOOK 4479, PAGE 68. |
| ELEV: | 1,157.55' |

PROJECT INFORMATION

| | | | | |
|---|--|--|-------------------------------------|--|
| BEL-20170413-4085-P | BEL-20170413-4085-GP1 | 325 | 08/15/2024 | 10/15/2024 |
| <small>Project Number Assigned by PWD</small> | <small>Grading Permit Project Number Assigned by PWD</small> | <small>SID Number</small> | <small>Estimated Start Date</small> | <small>Estimated Completion Date</small> |
| PCSMP Basin A-B Conversion & Basin C Closure | | Belle Lago | | |
| <small>Project Name</small> | | <small>Subdivision Name</small> | | |
| S 45th Street and Capehart Road | | Bellevue | NE | 68133 |
| <small>Address</small> | | <small>City</small> | <small>State</small> | <small>Zip Code</small> |
| X | X | X | X | X |
| <small>City Council Resolution Number Granting Project Approval</small> | <small>City Council Ordinance Number Granting Project Approval</small> | <small>City Council Resolution/Ordinance Approval Date</small> | | |

PROJECT DESCRIPTION

Conversion of temporary silt Basins A & B to permanent dry detention basins and silt Basin C closure.

APPLICANT

SID 325
 Dave Vogtman
 11440 W Center Road
 Omaha, NE 68144
 P: 402.334.0700
 F: 402.334.0815
 dave.vogtman@hubbellrealty.com

DESIGNER

E & A Consulting Group, Inc
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 F: 402.895.3599
 twooten@eaag.com

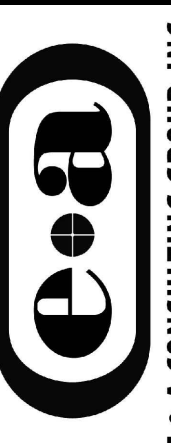
INSPECTOR

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@eaag.com

CONTRACTOR

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

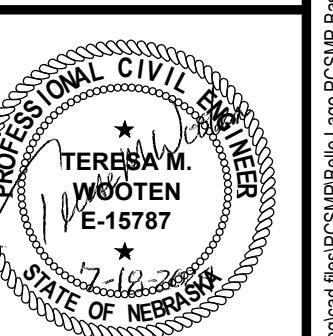
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 www.eaag.com
 State of NE Certificate of Authorization #CA0008



E & A CONSULTING GROUP, INC.
 Engineering Answers

BELLE LAGO
 PCSMP BASIN A-B
 CONVERSION & BASIN C
 CLOSURE
 SID 325
 SARPY COUNTY, NEBRASKA

COVER



| Revisions | Description | Date |
|-----------|-------------|--------|
| 1 | AS SHOWN | JUN 10 |

Proj No: 2016.541.1004
 Date: 07/16/2024
 Designed By: JUN
 Drawn By: JUN
 Scale: AS SHOWN
 Sheet: 1 of 10

GENERAL NOTES

- 1. All project procedures, materials, bonds and reserves shall conform to the City of Omaha's Standard Specifications for Public Works Construction, 2020 Edition ("Standard Specifications"). It is the responsibility of the CONTRACTOR to be aware of 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 2020 Standard Plate list. These Standard Plates can be found at: https://publicworks.cityofomaha.org/2018-standard-plate-list

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

Table with 3 columns: PLATE NO., DESCRIPTION, REVISION DATE. Lists various standard plates such as Inlet Protection, Construction Entrance, Wattles, Sidewalk Construction, etc.

- 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.
4. The time limit to complete the work is listed on the Proposal in the Specifications.
5. The INSPECTOR shall ensure the CONTRACTOR 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 Bellevue Public Works Department for all applicable public improvements prior to the commencement of construction.
7. The CONTRACTOR and INSPECTOR shall ensure all impacted government agencies (City of Bellevue, 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.
8. Construction found to be unacceptable to the City of Bellevue Public Works Department shall be removed and replaced at the CONTRACTOR'S expense.
9. The INSPECTOR shall notify the following City of Bellevue Public Works Department personnel 48 hours prior to all preconstruction meetings and 48 hours prior to the start of any construction: Matt Knight (Phone: 402-293-3028; email: matt.knight@bellevue.net).
10. The INSPECTOR shall submit weekly progress reports to the following City of Bellevue Works Department employee no later than the following week ending date: Matt Knight (Phone: 402-293-3028; email: matt.knight@bellevue.net).
11. The INSPECTOR shall notify the following City of Bellevue Public Works Department personnel 48 hours prior to lane closures and 24 hours prior to lane restrictions: Matt Knight (Phone: 402-293-3028; email: matt.knight@bellevue.net).
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 thru Friday; and, 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 Bellevue Permits & Inspections Department Chief Building Inspector (402)293-3014.
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 laterals may not be shown on the plans. The CONTRACTOR shall locate all underground and overhead interference's which may affect his operation during construction and shall take all necessary precautions to avoid damage to 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 Bellevue Public Works.

GENERAL NOTES

- 17. Construction may require the disturbance of existing drainage and erosion control measures. The CONTRACTOR shall make himself aware of the existing drainage and erosion control measures prior to bidding this work. A copy of the Grading and Erosion Control Plan BEL-20170413-4085-GP1 is available for review at the office of the DESIGNER and INSPECTOR. The function of these items must be maintained throughout construction with emphasis placed on restoring their integrity prior to any rainfall event. Erosion control improvements have been constructed on this site, including terraces, silt fencing, and temporary sediment basins. The CONTRACTOR shall be responsible for prompt reconstruction of any erosion control improvements disturbed by his operations. All disturbed erosion control improvements shall be fully reconstructed at the end of each working day prior to leaving the site.
18. All coordinates shown are Nebraska State Plane Coordinates modified using a scale factor of 0.999635086.
19. Elevations are referenced to U.S.G.S. Datum.
20. 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.
21. The CONTRACTOR must 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.
22. The construction documents (e.g., Contract, Bond, Insurance, Specifications, and 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.
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 his 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.
26. The CONTRACTOR shall place silt fence as shown and as directed by the ENGINEER to prevent sediment from leaving the construction site.

GRADING AND SWPPP GENERAL NOTES

- 1. All project procedures, materials, bonds and reserves shall conform to the City of Omaha Specifications for Public Works Construction 2020, 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: http://www.cityofomaha.org/pw/index.php/contractors-consultants2/contractors/standard-plates-curb-ramps-and-specifications
2. Barricades shall conform to Omaha Public Works "Barricading Standards, Specifications, Methods and 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/Barricading-Standards-Specs-Methods-and-Materials.pdf and https://mutcd.fhwa.dot.gov/pdfs/11th_Edition/mutcd11thedition.pdf
3. 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.
4. The CONTRACTOR shall maintain positive drainage in existing road ditches and culverts draining into the project area.
5. 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.
6. Payment for earthwork shall be based upon the bid Item "EXCAVATION ON-SITE (ESTABLISHED QUANTITY)". This quantity is the fixed plan cut volume determined by a comparison of the proposed grade surface to the existing grade surface. 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.
7. 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.
8. 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.
9. 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.
c. Reimbursement for removal of unsuitable materials will be made at the contract unit price for, "EXCAVATION ON-SITE (ESTABLISHED QUANTITY)".

GRADING AND SWPPP GENERAL NOTES

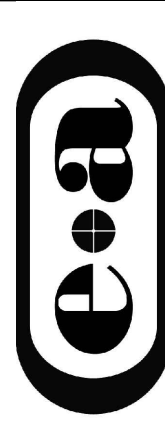
- 10. Fill and backfill material shall be impervious material (clay/silt) free of frost, snow, ice, concrete, brick, stone, refuse, cinder ashes, organic matter, or any other material deemed unsuitable by the ENGINEER.
11. The CONTRACTOR shall monitor perimeter silt fencing and install additional silt fencing if necessary or as directed by the ENGINEER. Payment shall be made at the unit price for "Install Silt Fence".
12. 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.
13. Areas to receive erosion control matting shall be seeded in accordance with the City of Omaha Type A mix, unless noted otherwise.
14. The CONTRACTOR shall comply with all OSHA regulations.
15. Where open excavations are not backfilled within 24 hours, the CONTRACTOR shall encircle the open area by a standard snow fence.
16. All rubbish, unsuitable material, debris, equipment, etc., resulting from demolition work shall be disposed of properly and in a legal manner.
17. The CONTRACTOR shall control dust during demolition and removals.
18. 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".

STORM SEWER CONSTRUCTION NOTES

- 1. The storm sewer system (pipe, manholes, inlets, special structures, etc.) shall be placed, compacted, and backfilled in accordance with the Standard Specifications.
2. PCC manholes, inlets, appurtenances, and special structures meeting all City of Omaha Specifications for Public Works Construction shall be used for storm sewer construction.
3. The CONTRACTOR shall ensure all storm sewer lines, manholes, and inlets are cleaned of debris (leaves, stone, dirt, construction material, etc.) prior to the APPLICANT taking ownership.
4. PCC pipe meeting the Standard Specifications shall be used for storm sewer construction.
5. The CONTRACTOR shall ensure all storm sewer pipe used for construction has been certified by the American Concrete Pipe Association (ACPA). All pipe must display the Q-CAST symbol to verify the manufacturer has met the ACPA's certification program. Visual inspections for defects shall continue to take place on the site.
6. No storm sewer service connections to any private lot shall be permitted prior to final acceptance by the Sarpy County Public Works, Gregg Nisotis (Phone: 402-537-6913; email: nisotisg@sarpy.com), which shall include approved rectification of all punch list items and the submittal of mylar as-built drawings.
7. All inlet structures will be located in the field by the ENGINEER.
8. Additional crushed rock bedding for the sewers shall be placed at locations where unstable trench bottom conditions are encountered in accordance with Subsection 700.03-H of the Standard Specifications, as approved by the ENGINEER per Standard Plate 700-01. The cost of necessary crushed rock bedding will be paid at \$25.00 per ton installed.
9. All storm sewer pipe shall be bedded with rock bedding in accordance with Standard Plate 700-01. Soil bedding is not acceptable. The cost of the crushed rock for pipe bedding shall be subsidiary to the cost of the pipe.
10. Joints for storm sewer pipes are required to have a fabricated gasket or bitumastic sealant.
11. Pipe couplers conforming to Standard Plate 700-04 shall be installed at the three (3) joints upstream of flared end section outlets. Install three (3) couplers per joint.
12. All rip-rap shall be underlain with geotechnical filter fabric (Mirafi 180N), or approved equal.
13. All storm sewers are required to be video inspected. See Standard Specifications. All video inspection shall be paid by the Owner.



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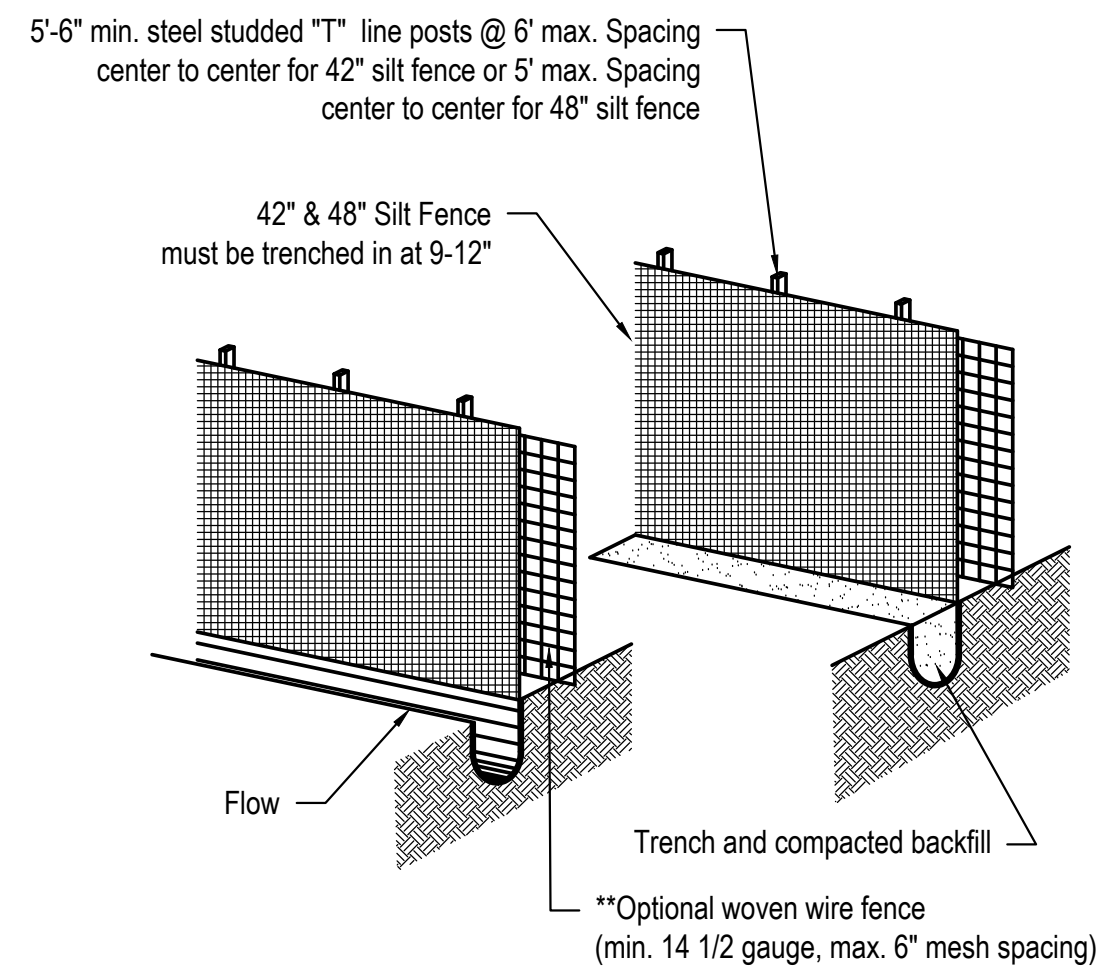
BELLE LAGO PCSMP BASIN AB CONVERSION & BASIN C CLOSURE S/D 325 SARPY COUNTY, NEBRASKA

NOTES



Table with 2 columns: Revisions, Description. Includes project number, date, and sheet information.

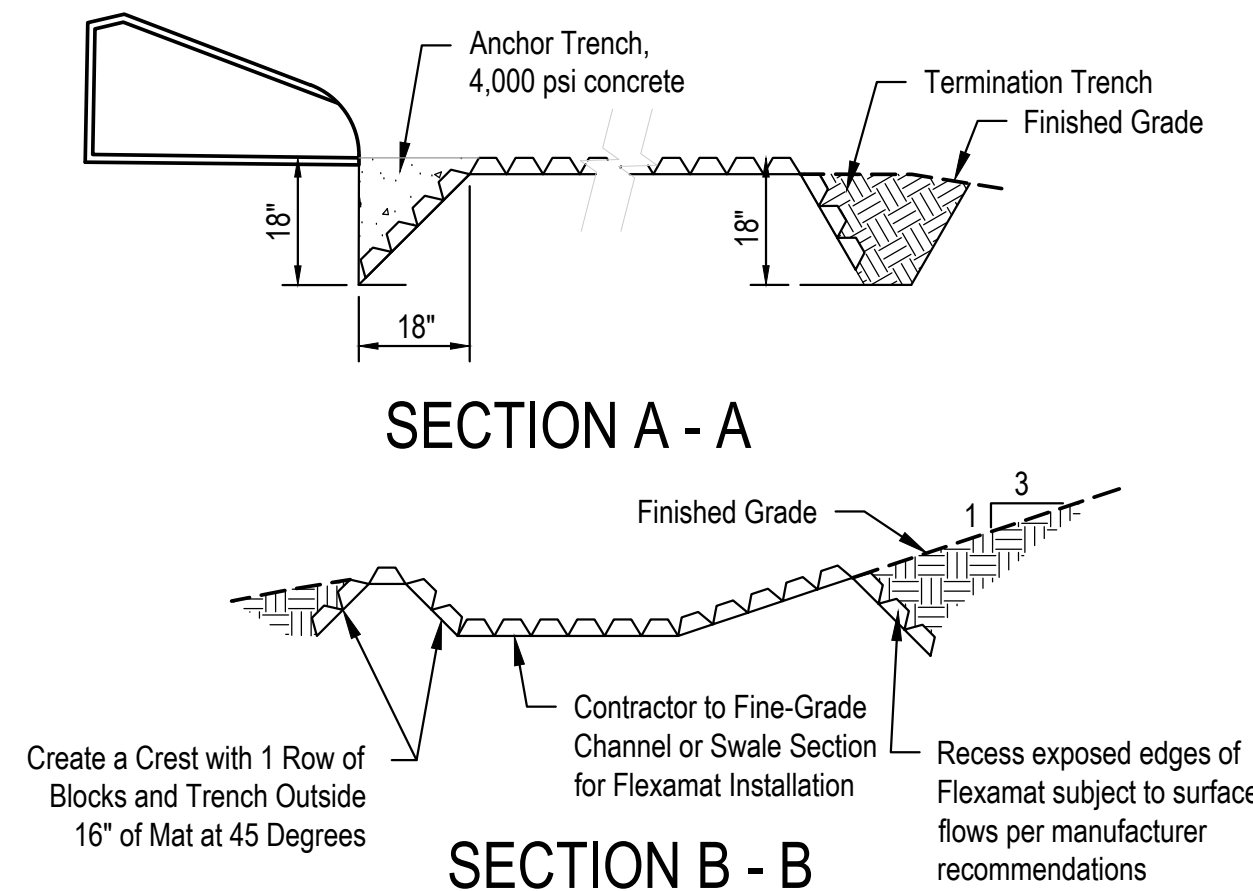
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SILT FENCE
NOT TO SCALE

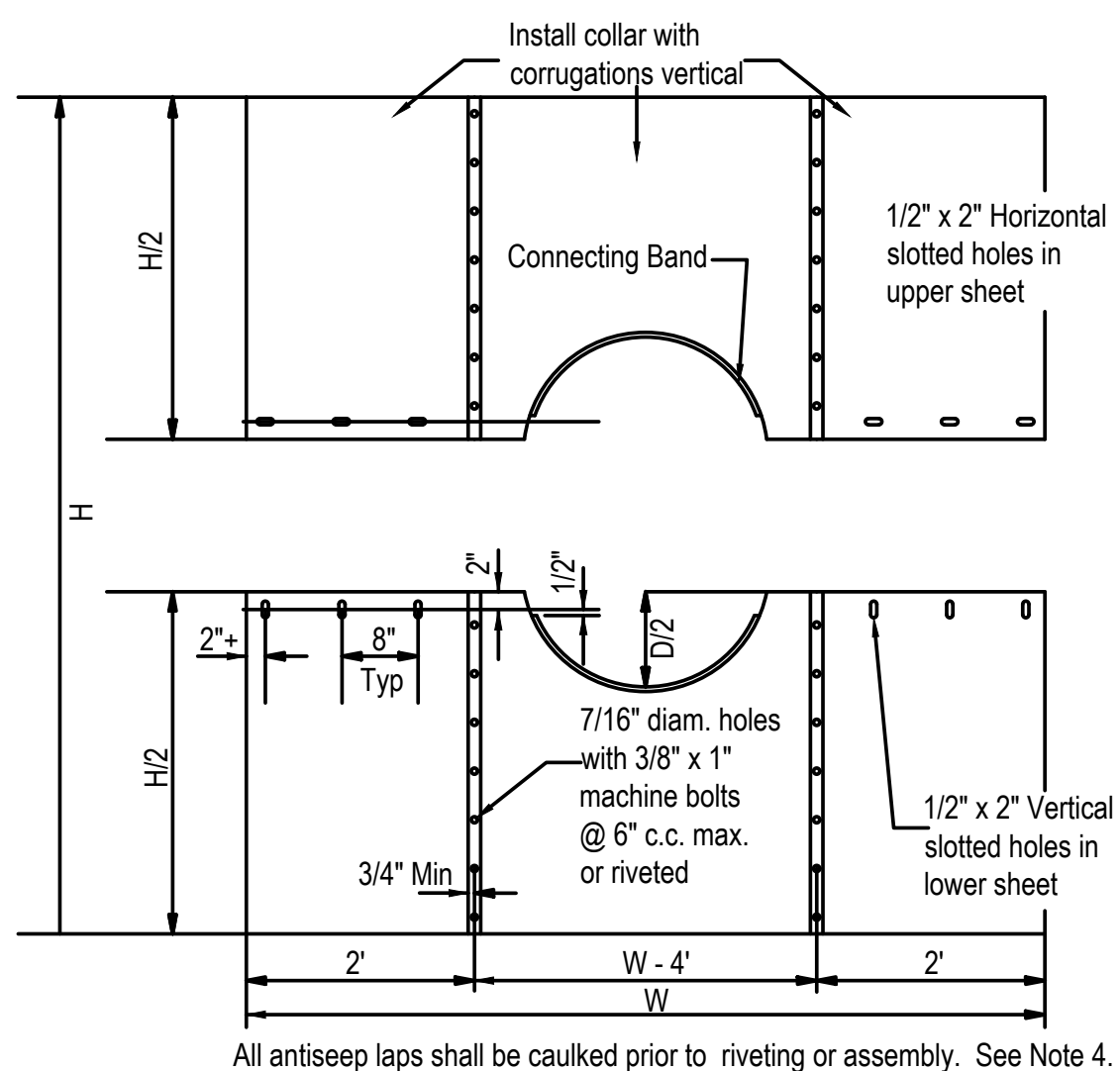
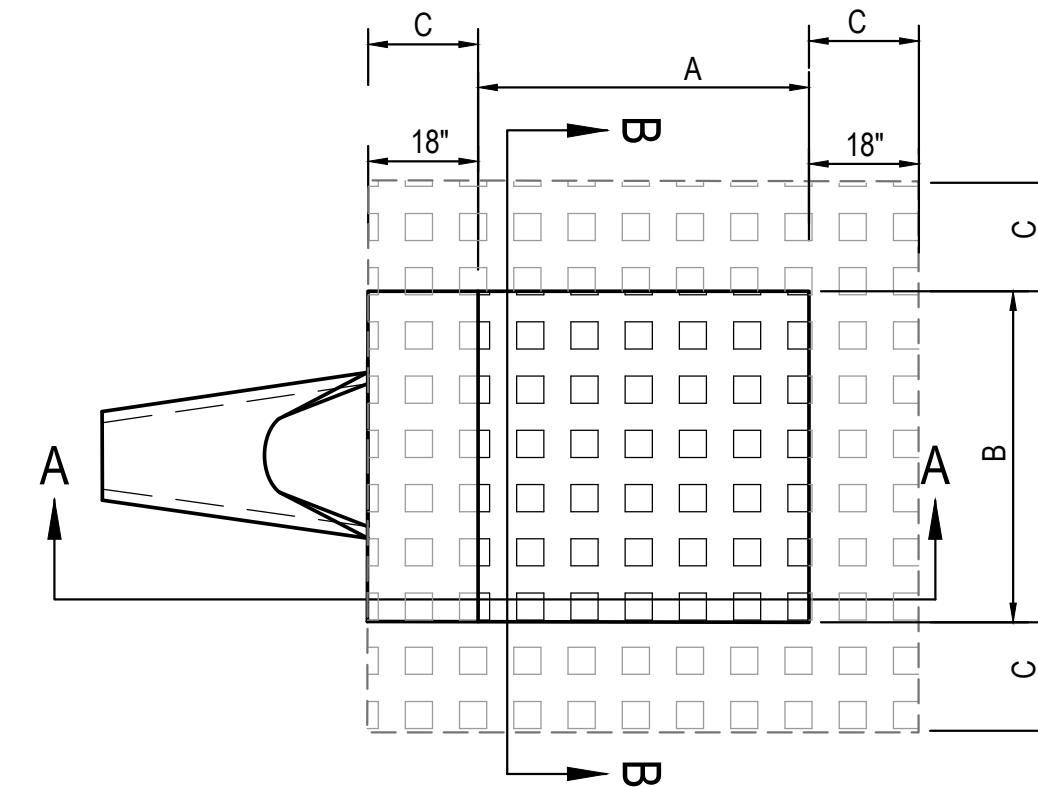
NOTES:

- 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 topsolling.

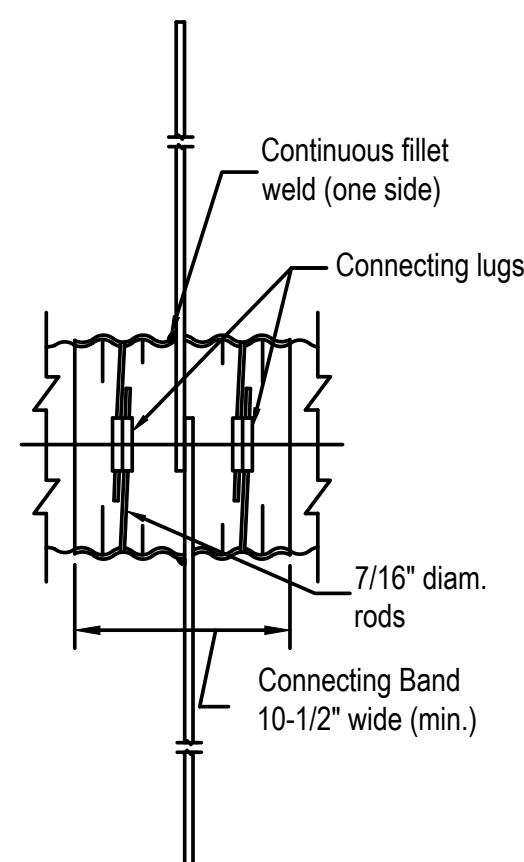


FLEXAMAT DETAIL
NOT TO SCALE

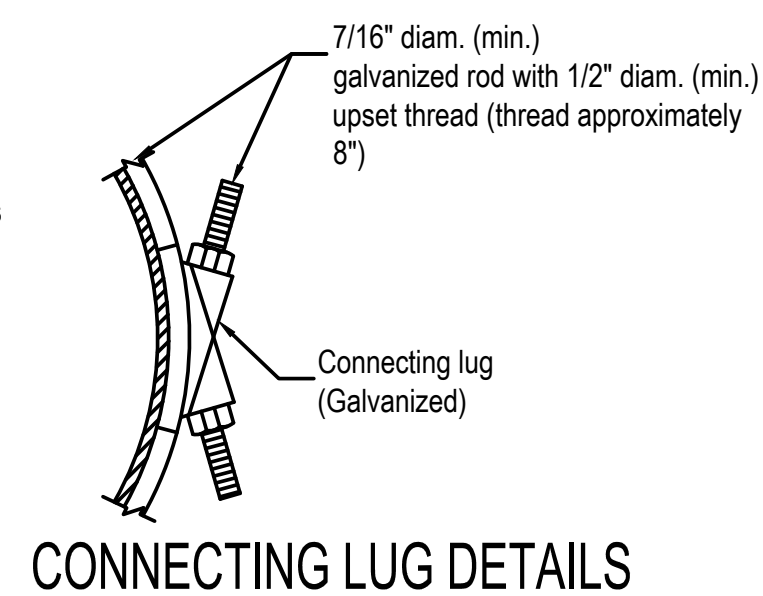
| FLEXAMAT TABLE | | | |
|---------------------------------|-----|-----|----------------------|
| Outlet | A | B | C (Embedment Length) |
| SEDIMENT BASIN - A - IN | 10' | 8' | 1.5' |
| SEDIMENT BASIN - B - IN (NORTH) | 16' | 12' | 1.5' |
| SEDIMENT BASIN - B - IN (EAST) | 10' | 8' | 1.5' |



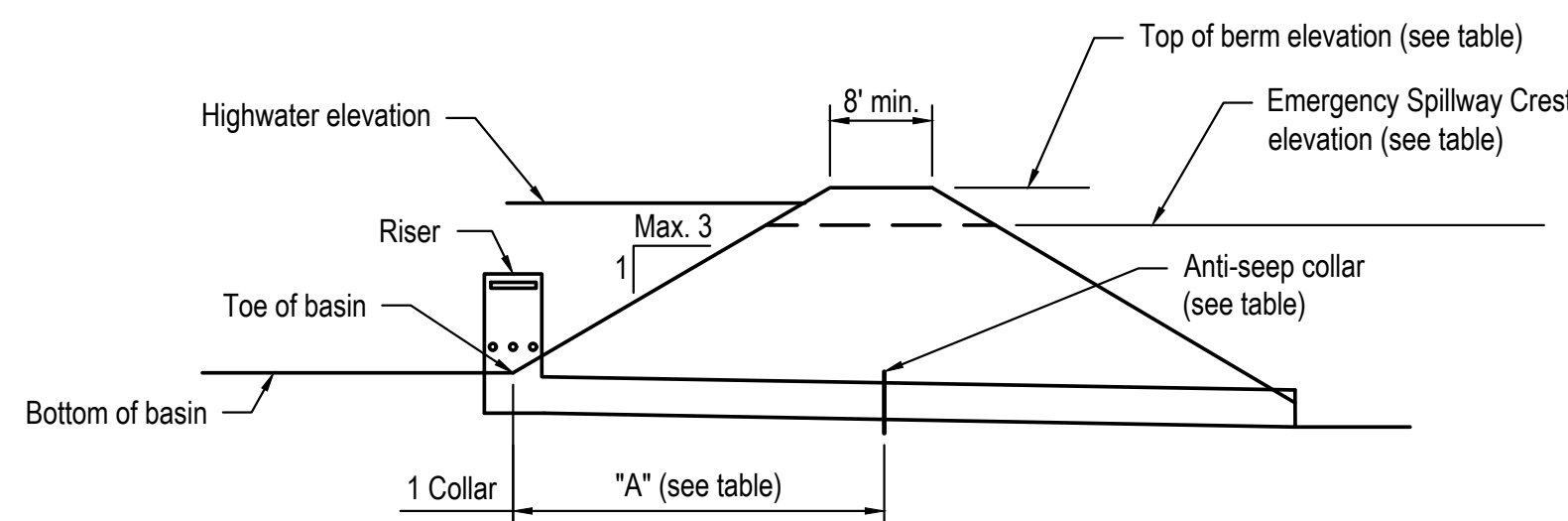
FRONT ELEVATION



SIDE ELEVATION



| ANTI-SEEP COLLAR DATA TABLE | | |
|-----------------------------|--------------------------|----------|
| Basin No. | 1 Collar Size (ft by ft) | "A" (ft) |
| C | 7.9 | 20 |



ANTI-SEEP COLLAR DETAIL
NOT TO SCALE

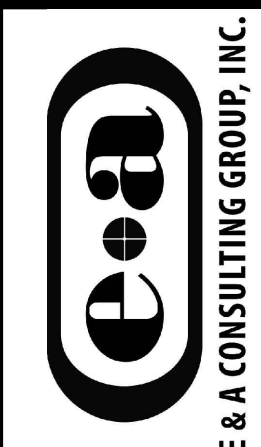
NOTES:

- A preconstruction conference shall be held with contractor, engineer, and geotechnical engineer prior to basin removal construction starting.
- Entire basin shall be cleaned of silt, riser pipe/outlet pipe and inlet pipe removed, and side walls cleaned. At this point, the inspection by the Geotechnical Engineer must take place before the sidewalls are benched with 2' vertical steps and embankment placed.
- All embankment shall be free of debris and placed in lifts of 8". Density testing must be performed at 1' intervals throughout the entire basin closure process. Compaction requirements shall be 95% compaction (Standard Proctor), with moisture requirements of - 3% to +4% optimum.
- Sheeps foot or pad foot compactor required. Vibratory compactors will be required if compactations are not met on regular basis.

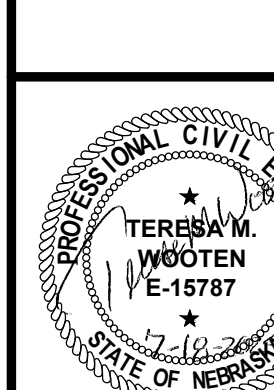
BASIN REMOVAL DETAIL & NOTES
NOT TO SCALE

- Unassembled antiseep collars shall be marked by painting or tagging to identify matching pairs.
- For annular pipe, the connecting bands shall be fabricated from corrugated metal. A dimpled band or a band fabricated from smooth steel shall be used for helical pipe.
- Each antiseep collar shall be furnished with either two 7/16" diameter rods with standard connecting lugs or a two-piece dimpled coupling band with 2" x 2" x 3/16" angles and 1/2" x 4-1/2" carriage bolts.
- Use 3/8" x 1" machine bolts to connect the upper and lower halves of the anti-seep collar.
- For pipe diameters of 36" to 48", iron or steel collar thickness shall be 0.079", (14 Gage), or aluminum alloy shall be 0.075".
- The laps between all sections of the antiseep collar and between the pipe and connecting band shall be caulked with a heavy coat of fibrated mastic or a neoprene gasket. Use latex caulk for openings greater than 1/8 inch.

ANTI-SEEP COLLAR
NOT TO SCALE



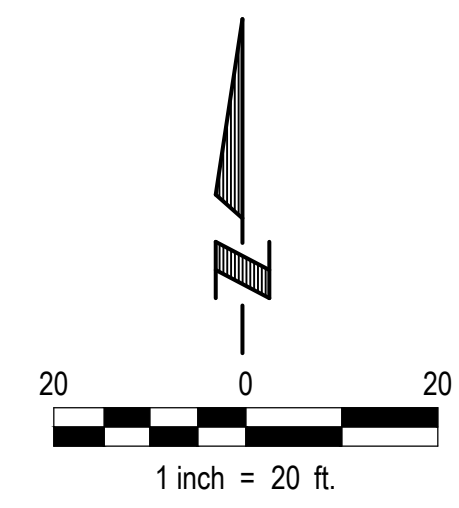
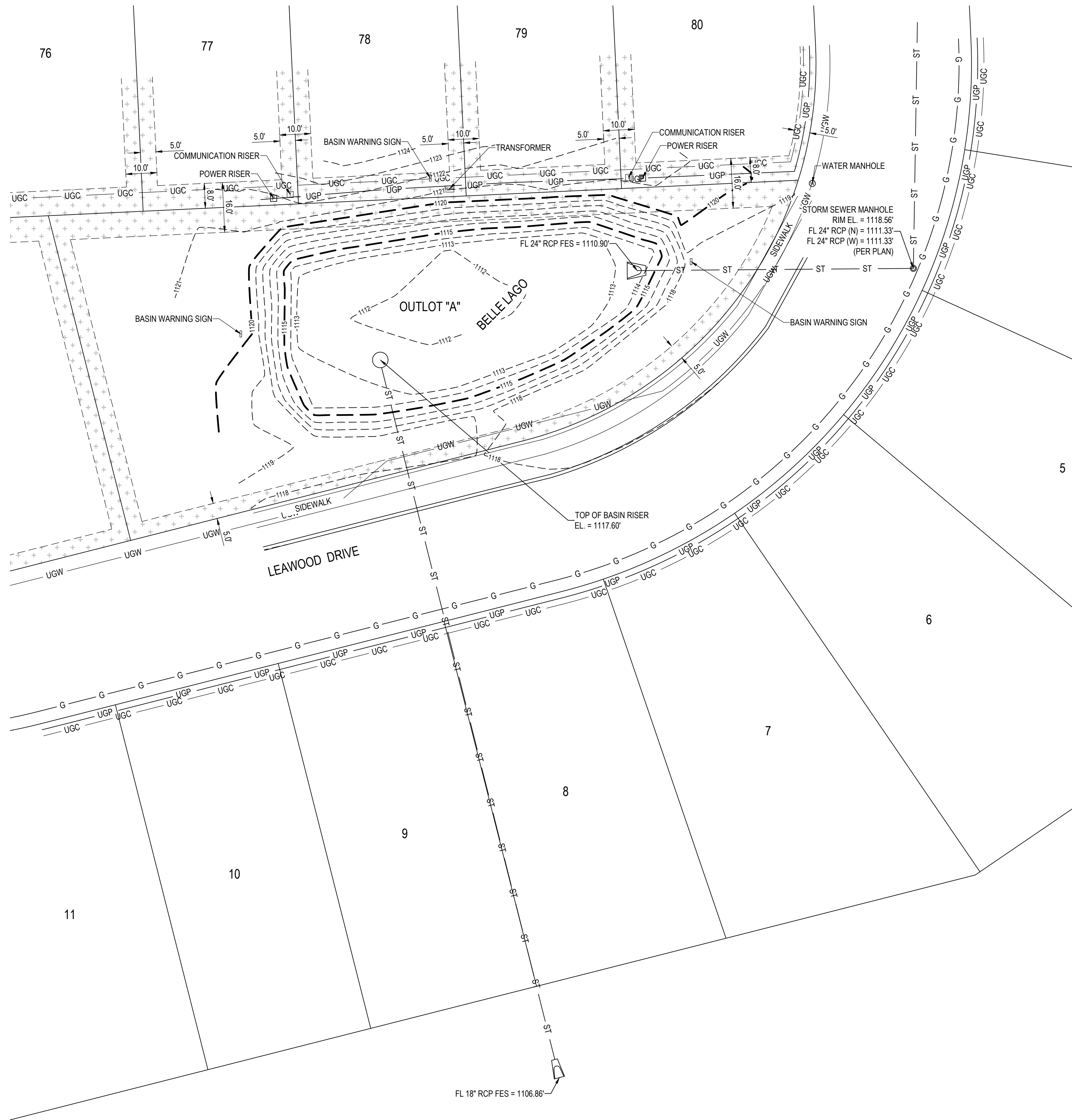
DETAILS



| Revisions | Description | Date |
|---------------|-------------|------|
| 2016.04.10.04 | | |
| 07/16/2024 | | |

Designed By: JUN
 Drawn By: AS SHOWN
 Scale: 3 of 10

PCSMP: BEL-20170413-4085-P PROJECT TYPE: PCSMP



LEGEND

NOTE: FOR REFERENCE ONLY, ITEMS DEPICTED IN LEGEND MAY NOT APPEAR ON PLANS.

- POWER RISER
- LIGHT POLE
- TELEPHONE RISER
- FIRE HYDRANT
- MANHOLE
- FLARED END SECTION (SIZE NOTED)
- CURB INLET
- SIGN
- FENCE LINE
- GAS LINE
- WATER LINE
- POWER LINE (UNDER GROUND)
- COMMUNICATION LINE (TELEPHONE, TV)
- SANITARY SEWER LINE
- STORM SEWER LINE
- EXISTING CONTOURS
- PLAT DEDICATED UTILITY EASEMENTS INSTRUMENT: 201730294

BENCHMARK:

- BENCHMARK #1:** CHISELED "X", SOUTH RIM OF A CURB INLET MANHOLE, FIRST CURB INLET WEST OF 44TH AVENUE ON THE SOUTH SIDE OF LEAWOOD DRIVE. BOOK 4464, PAGE 15.
 ELEV: 1,136.68'
- BENCHMARK #2:** CHISELED "X", NORTH RIM OF A SANITARY SEWER MANHOLE, FIRST SANITARY MANHOLE WEST OF 45TH AVENUE N THE APPROXIMATE CENTERLINE OF LEAWOOD DRIVE. BOOK 4479, PAGE 68.
 ELEV: 1,157.55'

UTILITIES NOTE:

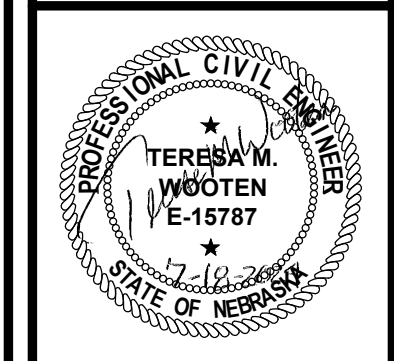
NEBRASKA ONE CALL TICKET NOS. 221151792 - 22151795

THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM OBSERVED EVIDENCE TOGETHER WITH EVIDENCE FROM PLANS OBTAINED FROM UTILITY COMPANIES OR PROVIDED BY CLIENT, AND MARKING BY UTILITY COMPANIES AND OTHER APPROPRIATE SOURCES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. IN ADDITION, IN SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE, IN WHICH CASE THE SURVEYOR SHALL NOTE ON THE PLAT OR MAP HOW THIS AFFECTED THE SURVEYOR'S ASSESSMENT OF THE LOCATION OF THE UTILITIES.

**SEDIMENT BASIN A
 PCSMP BASIN B**

PCSMP: BEL-20170413-4085-P PROJECT TYPE: PCSMP

| Proj No: | Date: | Designed By: | Drawn By: | Scale: | Sheet: |
|---------------|------------|--------------|-----------|----------|---------|
| 2016.541.1004 | 07/18/2024 | JUN | JUN | AS SHOWN | 4 of 10 |

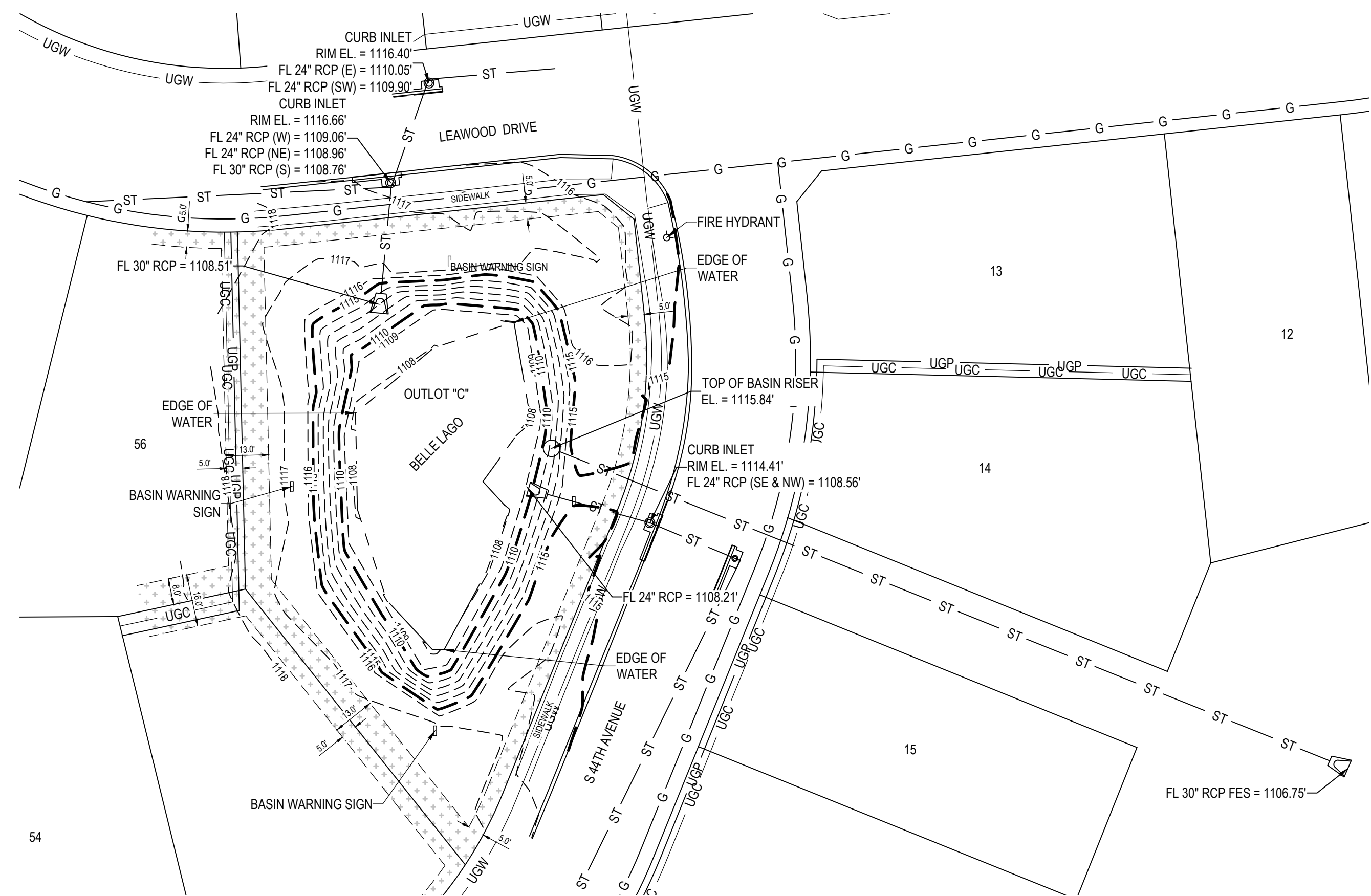


TOPOGRAPHIC SURVEY -
 BASIN A

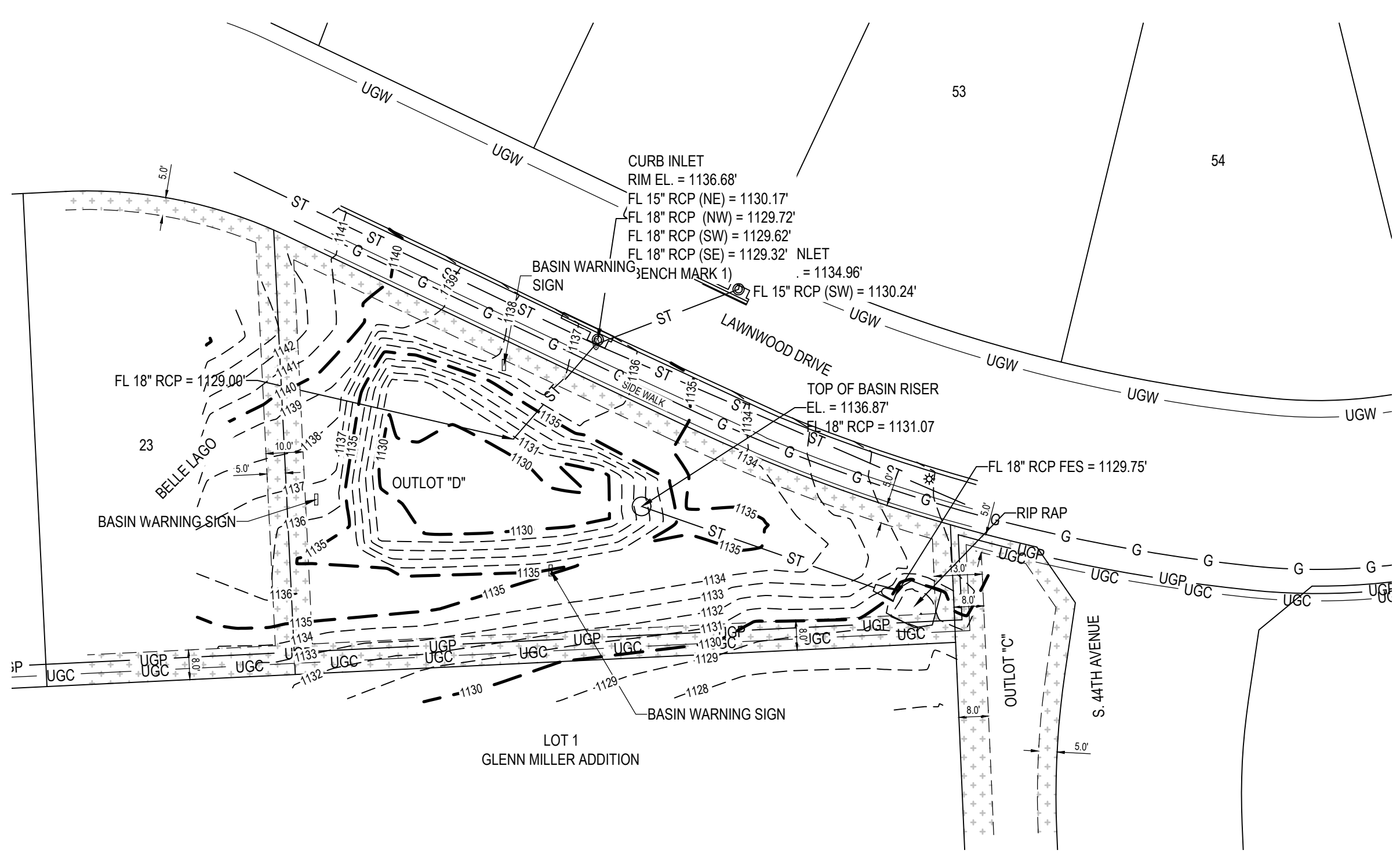
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 PCSMP BASIN A/B
 CONVERSION & BASIN C
 CLOSURE
 SID 325
 SARPY COUNTY, NEBRASKA



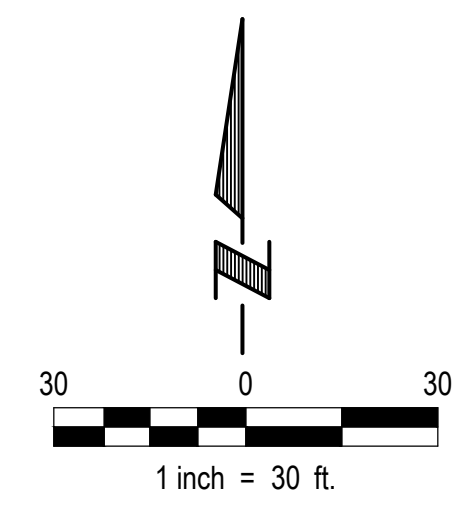
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**SEDIMENT BASIN B
 PCSMP BASIN A**



**SEDIMENT BASIN C
 CLOSURE BASIN C**



LEGEND

NOTE: FOR REFERENCE ONLY, ITEMS DEPICTED IN LEGEND MAY NOT APPEAR ON PLANS.

- POWER RISER
- LIGHT POLE
- TELEPHONE RISER
- FIRE HYDRANT
- MANHOLE
- FLARED END SECTION (SIZE NOTED)
- CURB INLET
- SIGN
- FENCE LINE
- GAS LINE
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- COMMUNICATION LINE (TELEPHONE, TV)
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 ELEV: 1,157.55'

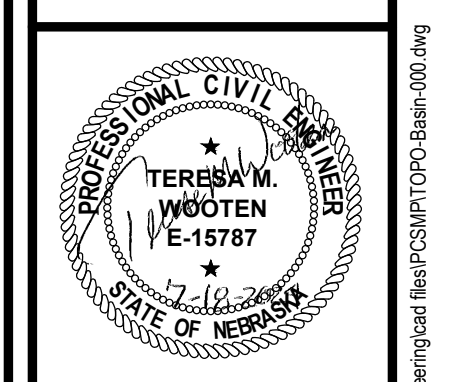
UTILITIES NOTE:

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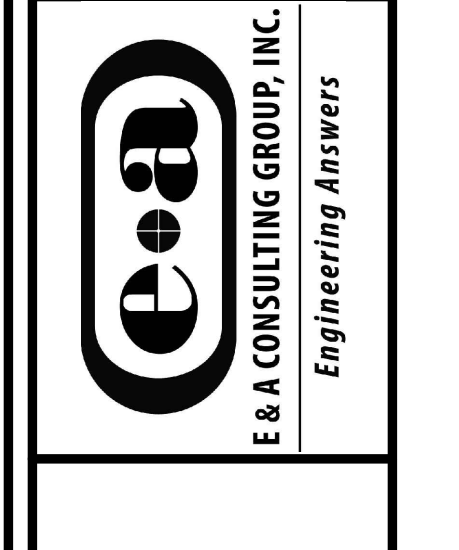
PCSMP: BEL-20170413-4085-P PROJECT TYPE: PCSMP

| Proj No: | 2016541.1004 |
|--------------|--------------|
| Date: | 07/18/2024 |
| Designed By: | JUN |
| Drawn By: | JUN |
| Scale: | AS SHOWN |
| Sheet: | 5 of 10 |



TOPOGRAPHIC SURVEY -
 BASIN B & C

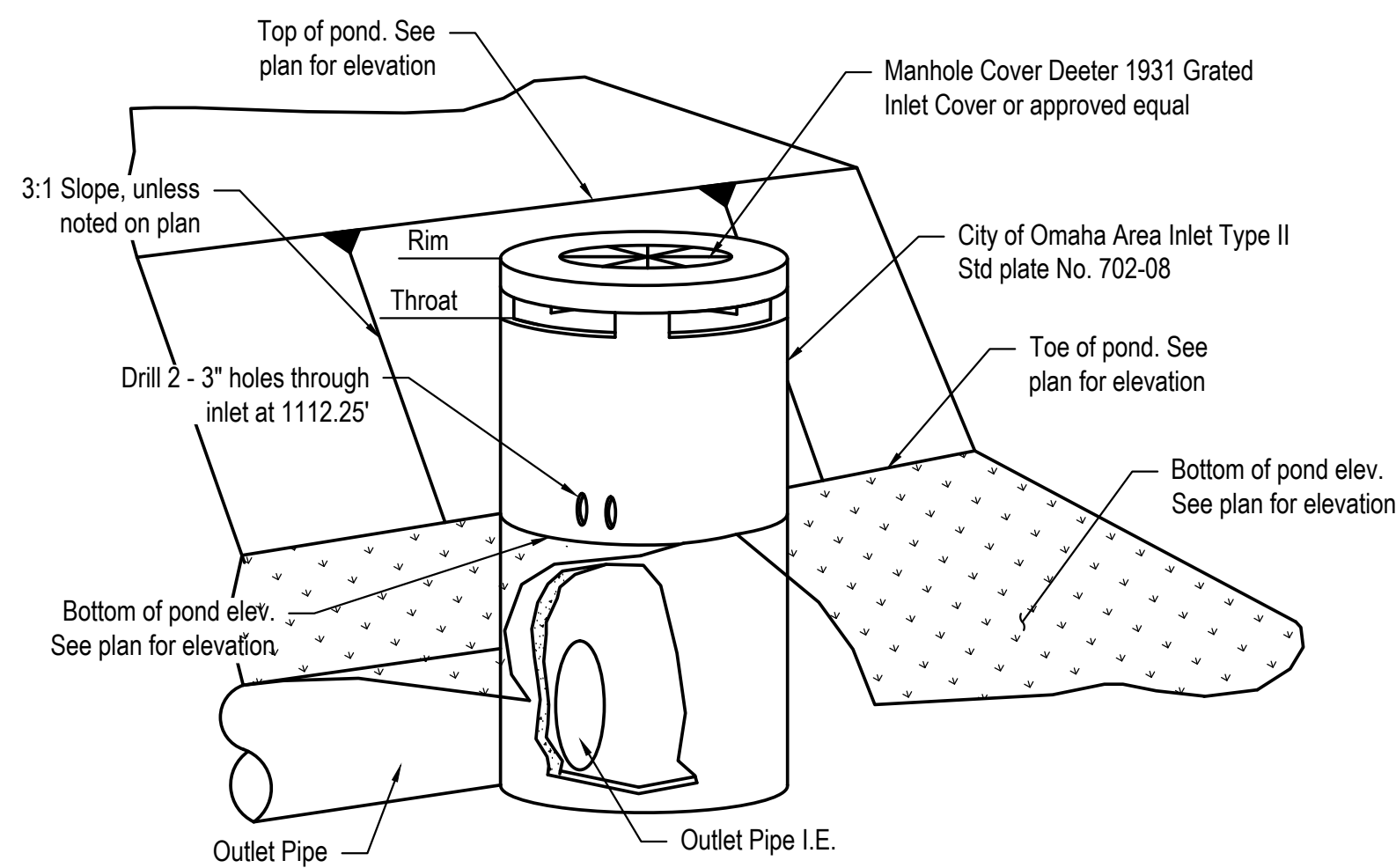
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NO REFERENCE NOTES

- RN 1 Install, maintain & remove construction entrance, 1 EA
- RN 2 Remove existing silt fence, 80 LF
- RN 3 Install straw wattle, 261 LF
- RN 4 Remove CMP riser structure and base, 1 EA
- RN 5 Remove 18" RCP, 32 LF
- RN 6 Remove 24" RCP, 40 LF
- RN 7 Construct 24" concrete collar, 1 EA
- RN 8 Construct 24" RCP, 40 LF, @ 0.50 slope, contractor to verify flowline
- RN 9 Remove and relay 24" FES, 1 EA (pipe couplers on the first 3 sections from flared end, per Standard Plate 700-04, 3 couplers per joint, subsidiary). Construct 24" concrete collar, 1 EA, (if required) - See profile sheet 7 for details
- RN 10 Construct 18" concrete collar, 1 EA
- RN 11 Construct 18" RCP, 16 LF, @ 0.50 slope, contractor to verify flowline
- RN 12 Remove temporary sediment basin - See sheet 3 for detail
- RN 13 Construct 54" Type II Area Inlet, modified - See basin outlet detail on this sheet, 1 EA
- RN 14 Remove and replace 5' wide 5" PCC Sidewalk, 195 SF, Contractor shall abut new sidewalk to existing sidewalk with thickened edge. Install expansion joint at connection. Adjust elevation as needed to match existing grade (subsidiary of remove and replace concrete sidewalk). Barricading sidewalk closure required (subsidiary).
- RN 15 Existing sidewalk
- RN 16 Excavate, dry and re-compact silt or haul off site, 50 CY
- RN 17 Reshape bank to match proposed contours (3:1 slope max.)
- RN 18 Protect transformer, power, and communication risers along perimeter of grading limits (subsidiary)
- RN 19 Emergency spillway, 20 LF, install Type A Seed & North American Green VMAX C350, 46 SY, installed per manufacturer's recommendation.
- RN 20 Construct Flexamat 10' x 8', total quantity including embedment 143 SF per manufacturer's recommendations - See sheet 3 for detail
- RN 21 Seed and mat bottom of basin with Rain Garden Mix, 528 SY. Planting method shall be per manufacturer's recommendation. See detailed list in the legend on this sheet. Matting shall be North American Green S150, or approved equal.
- RN 22 Install Type A seed & North American Green S150 Matting - Planting method shall be per manufacturer's recommendation, 1,638 SY.
- RN 23 Existing storm sewer

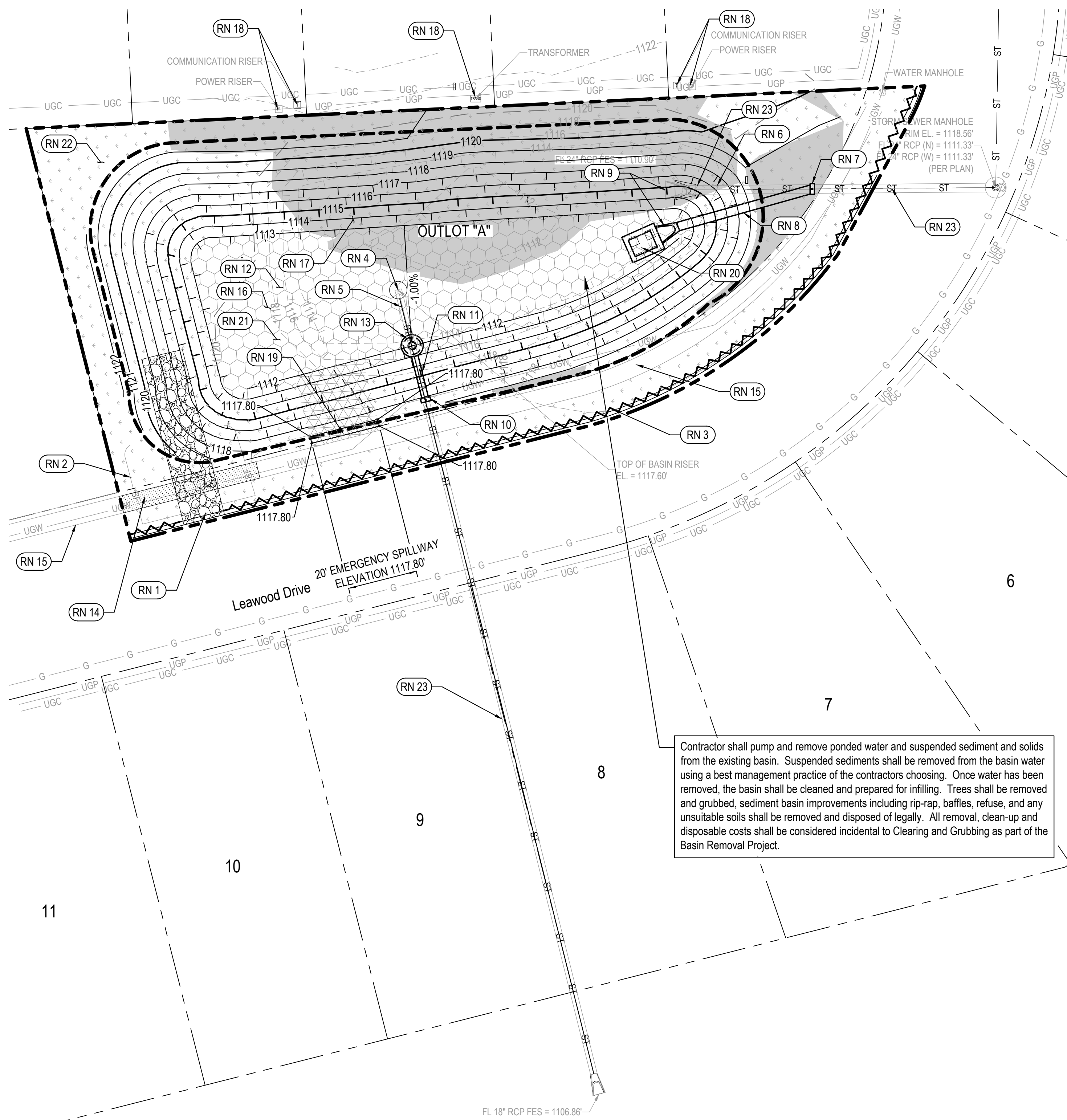


CITY OF OMAHA TYPE II AREA INLET
 NOT TO SCALE

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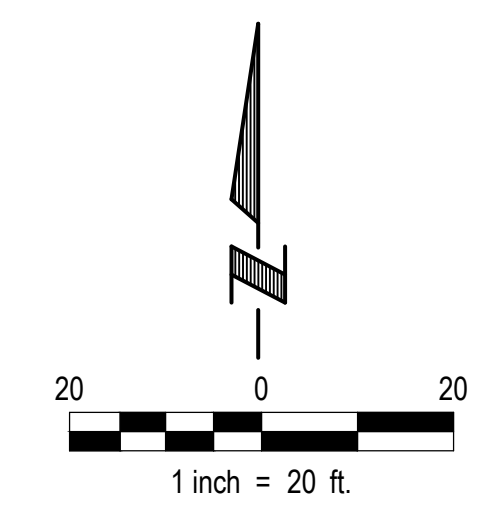
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DRY DETENTION BASIN NOTES

| SEDIMENT BASIN A PCSMP BASIN B | BOTTOM ELEVATION (FT) | TOP ELEVATION (FT) | OUTLET PIPE DIAMETER | RISER | | | EMERGENCY SPILLWAY | | 1/2" WATERSHED VOLUME | | |
|-----------------------------------|-----------------------------|--------------------------|-------------------------|------------------------------|--------------------------------------|--------------------------------|--------------------|------------|-----------------------|------------------|------------------|
| | | | | RISER PIPE DIAMETER | RISER THROAT ELEVATION (FT) | RISER RIM ELEVATION (FT) | ELEVATION (FT) | WIDTH (FT) | DRAINAGE AREA (AC) | REQUIRED (CF) | PROVIDED (CF) |
| OUTLOT "A" | 1112.00' | 1118 | 18" | TYPE II AI (54") Modified | 1116' | 1117' | 1117.80' | 20' | 3.57 | 6,615 | 23,766 |



LEGEND

- Power Pole
- Guy Wire
- Light Pole
- Fire Hydrant
- Utility Valve (Water)
- Utility Valve (Gas)
- Curb Inlet
- Manhole
- Flared End Section
- Sign
- Power Riser
- Telephone Riser
- Tree
- Building
- Fence Line
- Gas Line
- Water Line
- Existing Storm Sewer
- Proposed Storm Sewer
- Storm Sewer Line
- Sanitary Sewer Line
- Power Line (Overhead)
- Underground Power Line
- Underground Electrical Line(s)
- Underground Cable Communication Line (Telephone, TV)
- Existing Contours
- Proposed Contours
- Wattles
- Silt Fence
- Limits of Construction
- PCSMP Basin Perimeter
- Fill Areas
- Construction Entrance
- Sidewalk (see Reference Note 14 this sheet)
- Flexamat (see detail sheet 20)
- Seed and Mat Disturbed Area (see Reference Note 22 this sheet)
- Seed and Mat Emergency Spillway North American Green VMAX C350 (see Reference Note 19 this sheet)
- Seed and Mat - Rain Garden Mix with the following species:
 - Virginia Wildrye 4 PLS lbs per acre
 - Canada Wildrye 3 PLS lbs per acre
 - Prairie Dropseed 0.25 PLS lbs per acre
 - Fowl Bluegrass 1.25 PLS lbs per acre
 - Blue Vervain 0.25 PLS lbs per acre
 - Sweet Blackeyed Susan 0.05 PLS lbs per acre
 - Fox Sedge 0.4 PLS lbs per acre
- Planting Method Shall be per Manufacturer's Recommendation. (See Reference Note 21 this sheet)

PCSMP: BEL-20170413-4085-P PROJECT TYPE: PCSMP

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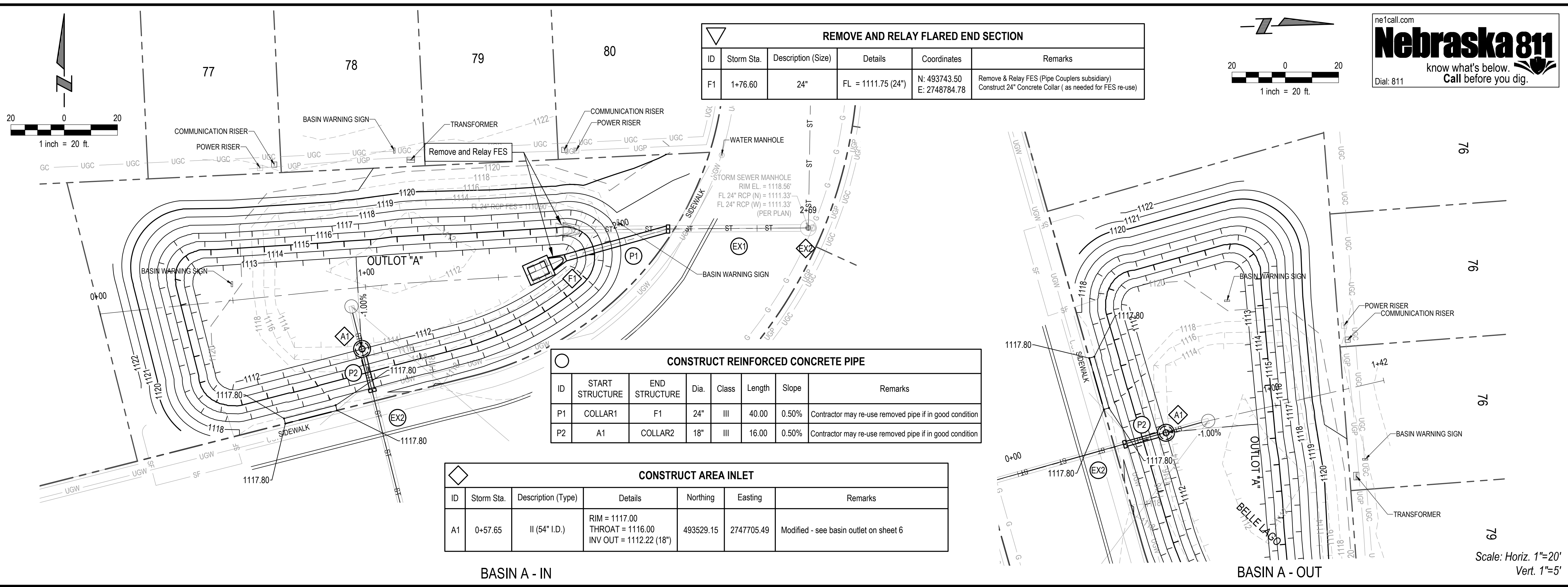
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Proj No: 2016.041.004
 Date: 07/16/2024
 Designed By: JUN
 Drawn By: JUN
 Scale: AS SHOWN
 Sheet: 6 of 10

Revisions
 Description
 Date

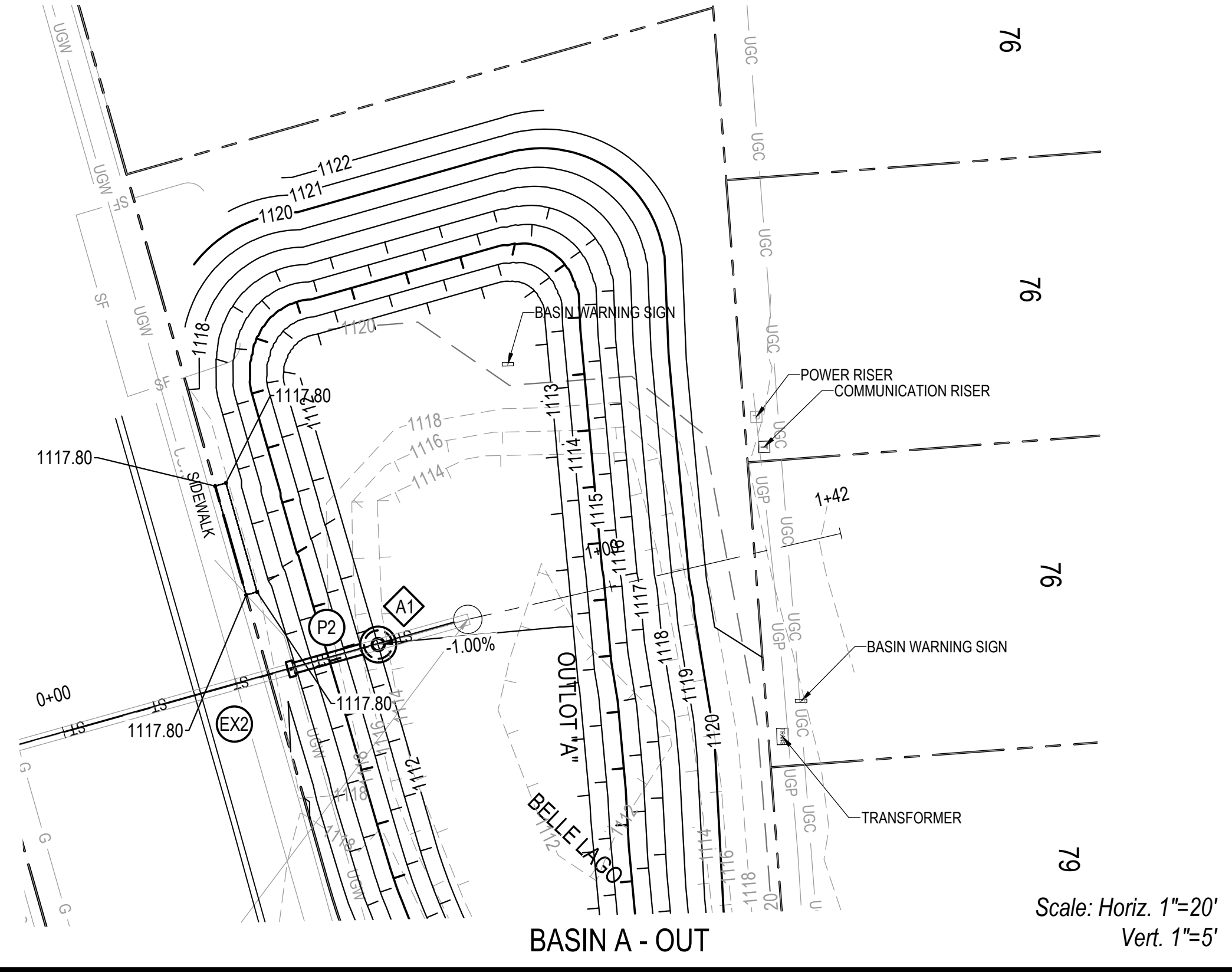


| REMOVE AND RELAY FLARED END SECTION | | | | | |
|-------------------------------------|------------|--------------------|--------------------|-------------------------------|---|
| ID | Storm Sta. | Description (Size) | Details | Coordinates | Remarks |
| F1 | 1+76.60 | 24" | FL = 1111.75 (24") | N: 493743.50 E: 2748784.78 | Remove & Relay FES (Pipe Couplers subsidiary) Construct 24" Concrete Collar (as needed for FES re-use) |

| CONSTRUCT REINFORCED CONCRETE PIPE | | | | | | | |
|------------------------------------|-----------------|---------------|------|-------|--------|-------|---|
| ID | START STRUCTURE | END STRUCTURE | Dia. | Class | Length | Slope | Remarks |
| P1 | COLLAR1 | F1 | 24" | III | 40.00 | 0.50% | Contractor may re-use removed pipe if in good condition |
| P2 | A1 | COLLAR2 | 18" | III | 16.00 | 0.50% | Contractor may re-use removed pipe if in good condition |

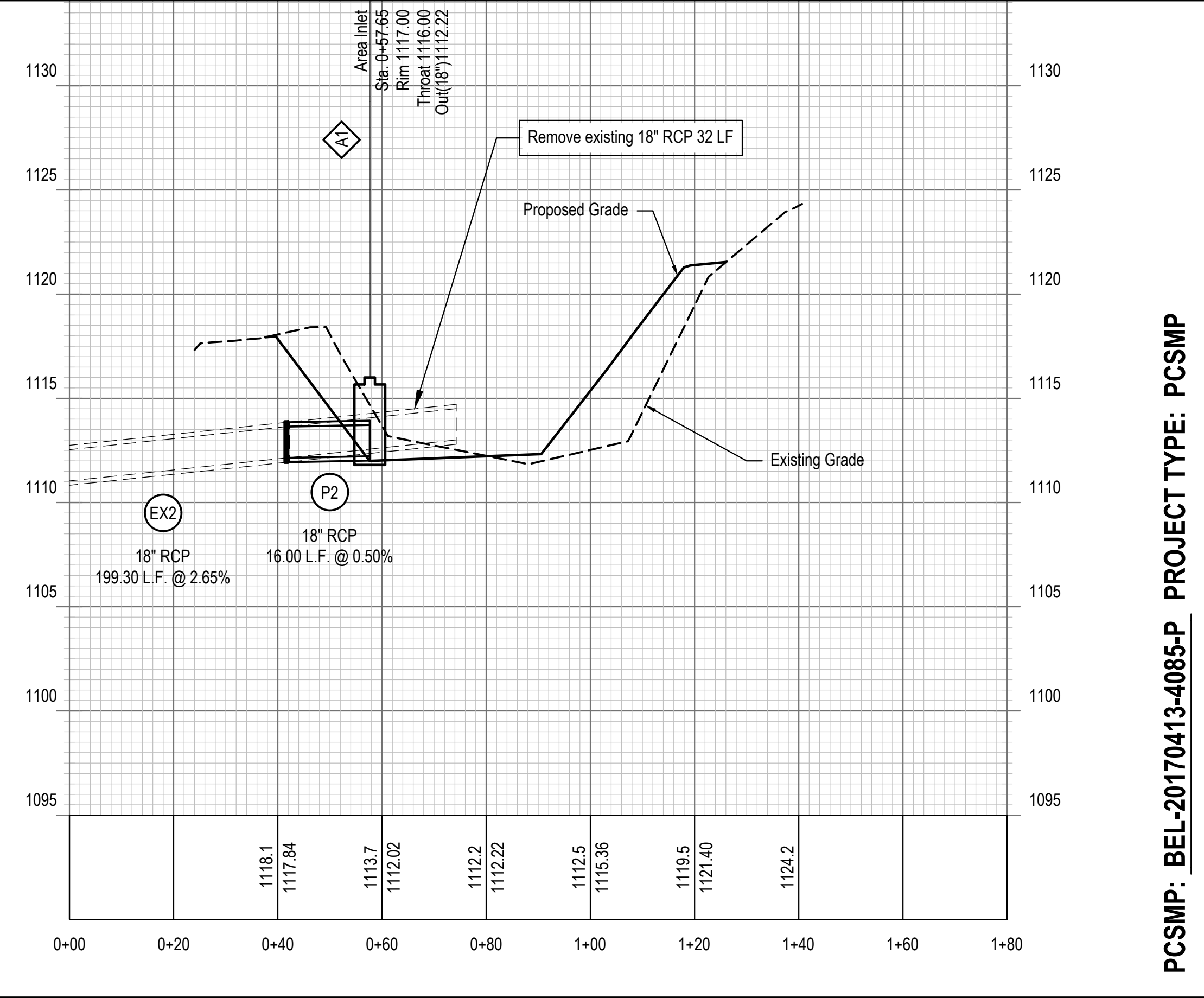
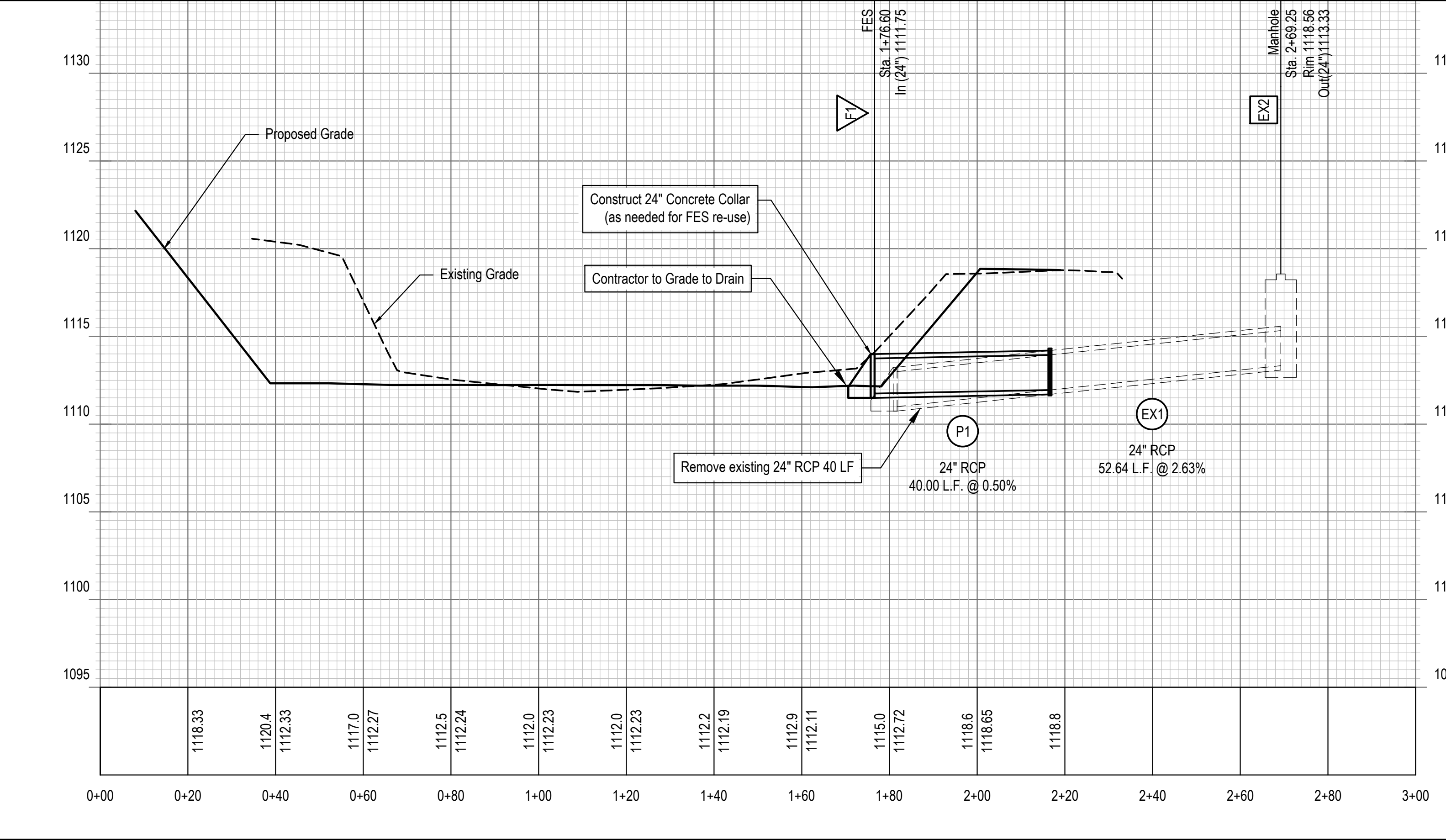
| CONSTRUCT AREA INLET | | | | | | |
|----------------------|------------|--------------------|--|-----------|------------|--|
| ID | Storm Sta. | Description (Type) | Details | Northing | Easting | Remarks |
| A1 | 0+57.65 | II (54" I.D.) | RIM = 1117.00 THROAT = 1116.00 INV OUT = 1112.22 (18") | 493529.15 | 2747705.49 | Modified - see basin outlet on sheet 6 |

BASIN A - IN



BASIN A - OUT

Scale: Horiz. 1"=20'
Vert. 1"=5'



PCSMP: BEL-20170413-4085-P PROJECT TYPE: PCSMP

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Proj No: 2016.04.1004
Date: 07/18/2024
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Drawn By: JUN
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Sheet: 7 of 10

7/18/2024 10:31 AM E:\AS\nebraska\Projects\Project20160410\Engineering\Sheet\PCSMP\Basin A-B\PCSMP Basin A-B Conversion-000.dwg

Contractor shall pump and remove ponded water and suspended sediment and solids from the existing basin. Suspended sediments shall be removed from the basin water using a best management practice of the contractors choosing. Once water has been removed, the basin shall be cleaned and prepared for infilling. Trees shall be removed and grubbed, sediment basin improvements including rip-rap and baffles shall be removed, and refuse and any unsuitable soils shall be removed and disposed of legally. All removal, clean-up and disposable costs shall be considered incidental to Clearing and Grubbing as part of the Basin Removal Project.

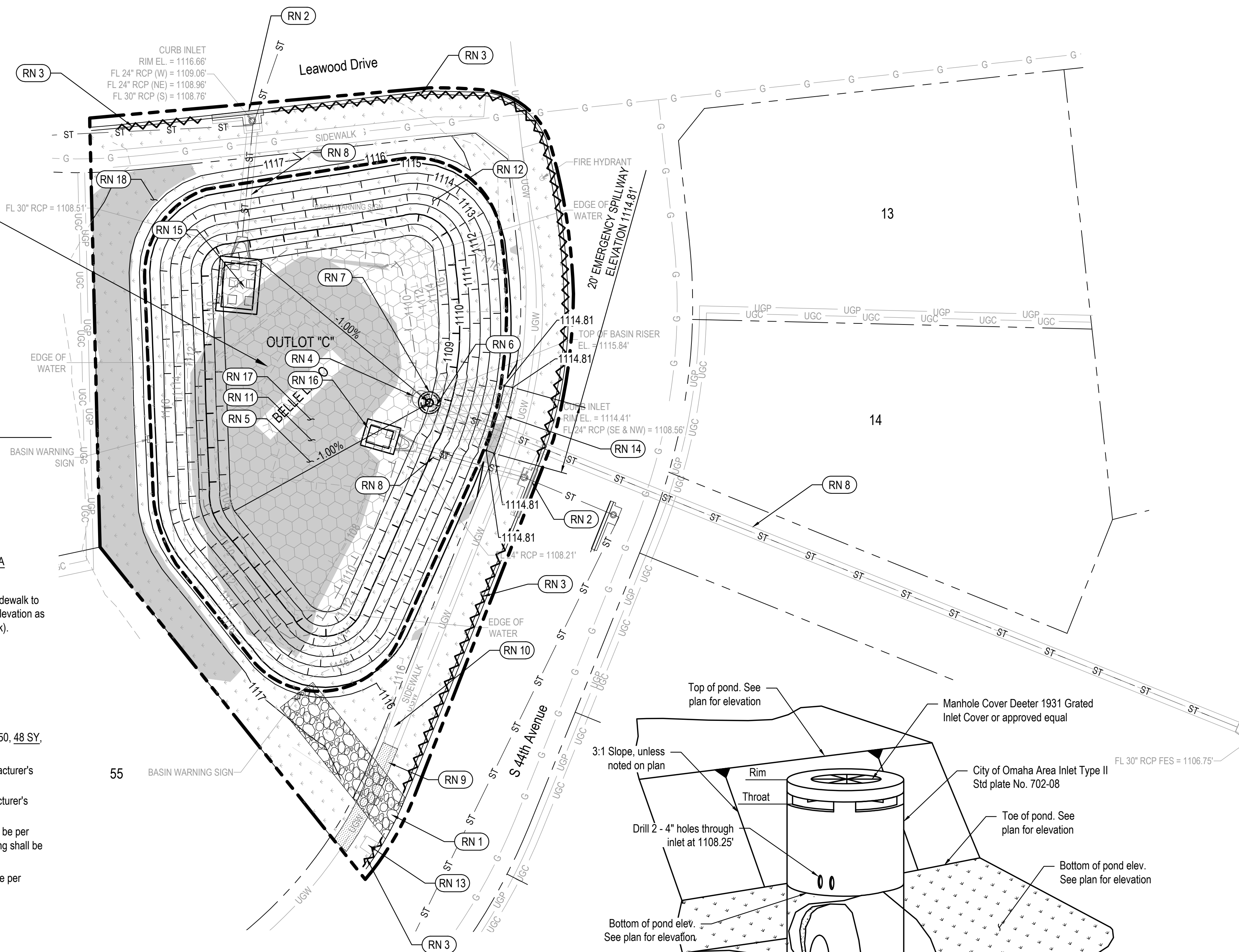
NO REFERENCE NOTES

- RN 1 Install, maintain & remove construction entrance, 1 EA
- RN 2 Install curb inlet protection, 2 EA (total this sheet)
- RN 3 Install straw wattle, 295 LF (total this sheet)
- RN 4 Remove CMP riser structure and base, 1 EA
- RN 5 Remove temporary sediment basin - See sheet 3 for detail
- RN 6 Remove 30" RCP, 3 LF
- RN 7 Construct 54" Type II Area Inlet, modified - See basin outlet detail on this sheet, 1 EA
- RN 8 Existing storm sewer
- RN 9 Remove and replace 5' wide 5" PCC Sidewalk, 160 SF. Contractor shall abut new sidewalk to existing sidewalk with thickened edge. Install expansion joint at connection. Adjust elevation as needed to match existing grade (subsidiary of remove and replace concrete sidewalk). Barricading sidewalk closure required (subsidiary).
- RN 10 Existing sidewalk
- RN 11 Excavate, dry and re-compact silt or haul off site, 225 CY
- RN 12 Reshape bank to match proposed contours (3:1 slope max.)
- RN 13 Protect neighbor hood mailbox and concrete base (subsidiary)
- RN 14 Emergency spillway, 20 LF, install Type A Seed & North American Green VMAX C350, 48 SY, installed per manufacturer's recommendation.
- RN 15 Construct Flexamat 16' x 12', total quantity including embedment 285 SF per manufacturer's recommendations - See sheet 3 for detail
- RN 16 Construct Flexamat 10' x 8', total quantity including embedment 143 SF per manufacturer's recommendations - See sheet 3 for detail
- RN 17 Seed and mat bottom of basin with Rain Garden Mix, 569 SY. Planting method shall be per manufacturer's recommendation. See detailed list in the legend on this sheet. Matting shall be North American Green S150, or approved equal.
- RN 18 Install Type A seed & North American Green S150 Matting - Planting method shall be per manufacturer's recommendation, 1,668 SY.

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UTILITIES NOTE:

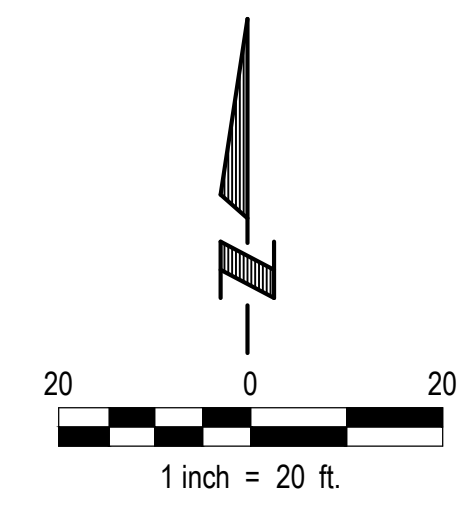
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CITY OF OMAHA TYPE II AREA INLET
 NOT TO SCALE

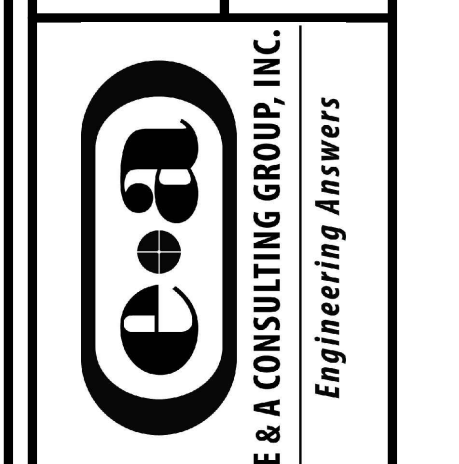
DRY DETENTION BASIN NOTES

| SEDIMENT BASIN C PCSMP BASIN C | BOTTOM ELEVATION (FT) | TOP ELEVATION (FT) | OUTLET PIPE DIAMETER | RISER | | | EMERGENCY SPILLWAY | | 1/2" WATERSHED VOLUME | | |
|-----------------------------------|-----------------------|--------------------|----------------------|---------------------------|-----------------------------|--------------------------|--------------------|------------|-----------------------|---------------|---------------|
| | | | | RISER PIPE DIAMETER | RISER THROAT ELEVATION (FT) | RISER RIM ELEVATION (FT) | ELEVATION (FT) | WIDTH (FT) | DRAINAGE AREA (AC) | REQUIRED (CF) | PROVIDED (CF) |
| OUTLET "C" | 1108' | 1115' | 30" | TYPE II AI (54") Modified | 1113' | 1114' | 1114.81' | 20' | 17.68 | 32,721 | 37,822 |



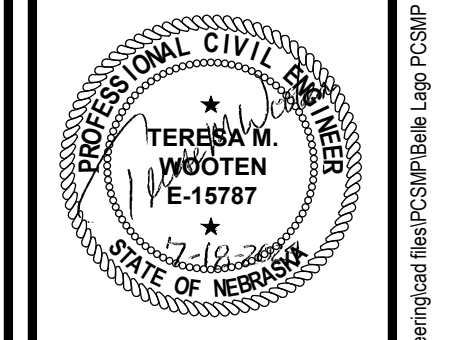
LEGEND

- Power Pole
- Guy Wire
- Light Pole
- Fire Hydrant
- Utility Valve (Water)
- Utility Valve (Gas)
- Curb Inlet
- Manhole
- Flared End Section
- Sign
- Power Riser
- Telephone Riser
- Tree
- Building
- Fence Line
- Gas Line
- Water Line
- Existing Storm Sewer
- Proposed Storm Sewer
- Storm Sewer Line
- Sanitary Sewer Line
- Power Line (Overhead)
- Underground Power Line
- Underground Electrical Line(s)
- Underground Cable Communication Line (Telephone, TV)
- Existing Contours
- Proposed Contours
- Wattles
- Silt Fence
- Limits of Construction
- PCSMP Basin Perimeter
- Fill Areas
- Construction Entrance
- Sidewalk (see Reference Note 9 this sheet)
- Flexamat (see detail sheet 15 & 16)
- Seed and Mat Disturbed Area (see Reference Note 18 this sheet)
- Seed and Mat Emergency Spillway North American Green VMAX C350 (see Reference Note 14 this sheet)
- Seed and Mat - Rain Garden Mix with the following species:
 - Virginia Wildrye 4 PLS lbs per acre
 - Canada Wildrye 3 PLS lbs per acre
 - Prairie Dropseed 0.25 PLS/lbs per acre
 - Fowl Bluegrass 1.25 PLS lbs per acre
 - Blue Vervain 0.25 PLS lbs per acre
 - Sweet Blackeyed Susan 0.05 PLS lbs per acre
 - Fox Sedge 0.4 PLS lbs per acre
- Planting Method Shall be per Manufacturer's Recommendation. (See Reference Note 17 this sheet)



BELLE LAGO
 PCSMP BASIN A-B
 CONVERSION & BASIN C
 CLOSURE
 SID 325
 SARY COUNTY, NEBRASKA

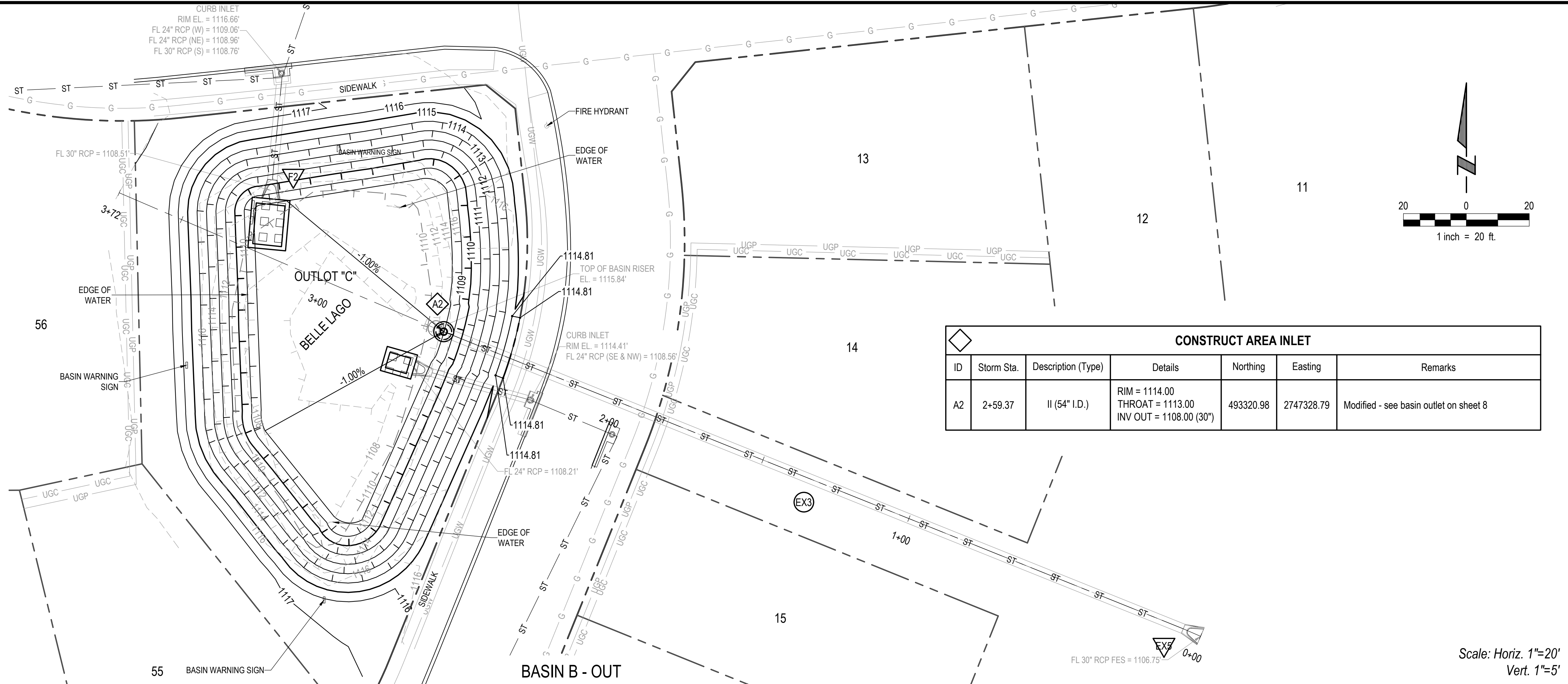
PCSMP BASIN A - PLAN



| Revisions | Description | Date |
|--------------|-------------|------|
| 2016.04.1004 | | |
| 07/18/2024 | | |

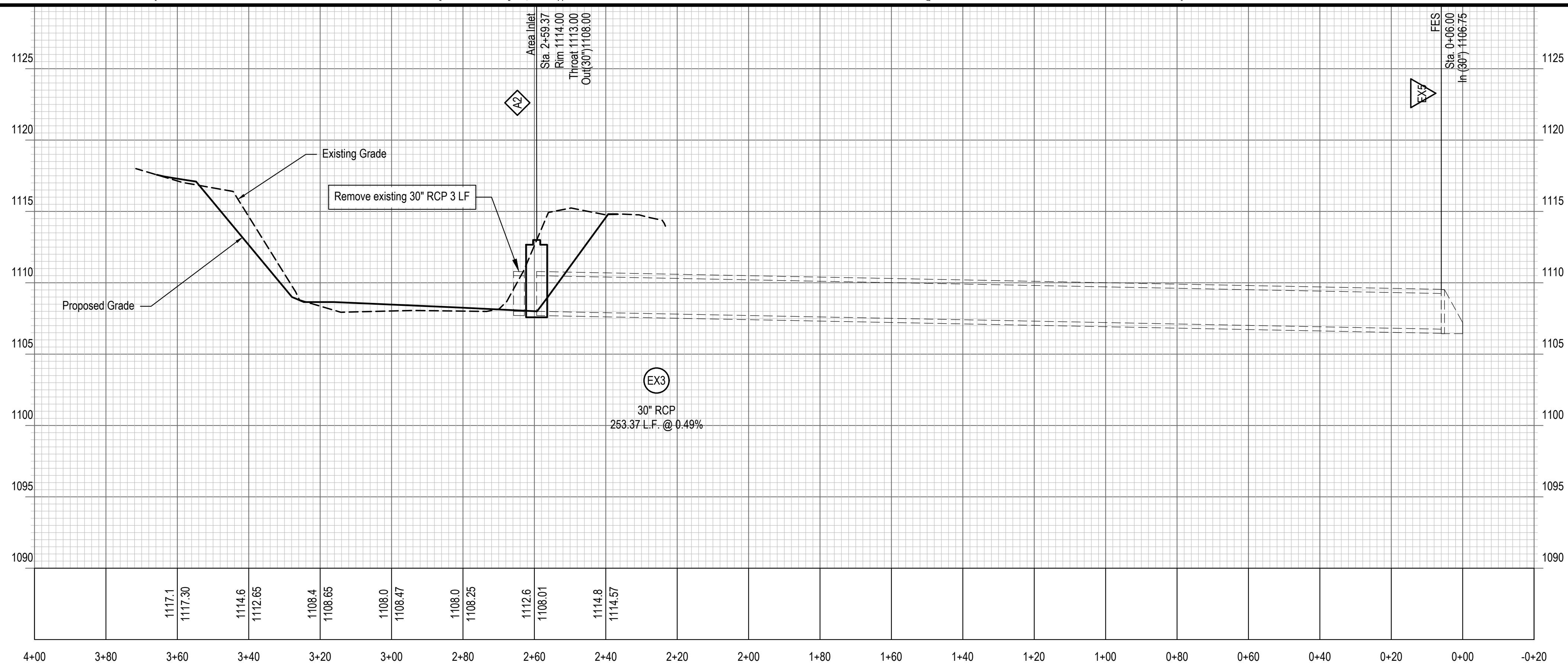
Proj No: 2016.04.1004
 Date: 07/18/2024
 Designed By: JUN
 Drawn By: JUN
 Scale: AS SHOWN
 Sheet: 8 of 10

PCSMP: BEL-20170413-4085-P PROJECT TYPE: PCSMP



| CONSTRUCT AREA INLET | | | | | | |
|----------------------|------------|--------------------|--|-----------|------------|--|
| ID | Storm Sta. | Description (Type) | Details | Northing | Easting | Remarks |
| A2 | 2+59.37 | II (54" I.D.) | RIM = 1114.00 THROAT = 1113.00 INV OUT = 1108.00 (30") | 493320.98 | 2747328.79 | Modified - see basin outlet on sheet 8 |

Scale: Horiz. 1"=20'
 Vert. 1"=5'

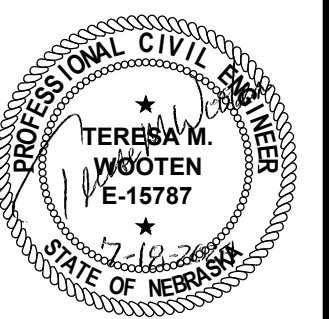


PCSMP: BEL-20170413-4085-P PROJECT TYPE: PCSMP



BELLE LAGO
 PCSMP BASIN A-B
 CONVERSION & BASIN C
 CLOSURE
 SID. 325
 SARPY COUNTY, NEBRASKA

PCSMP BASIN A -
 PROFILE

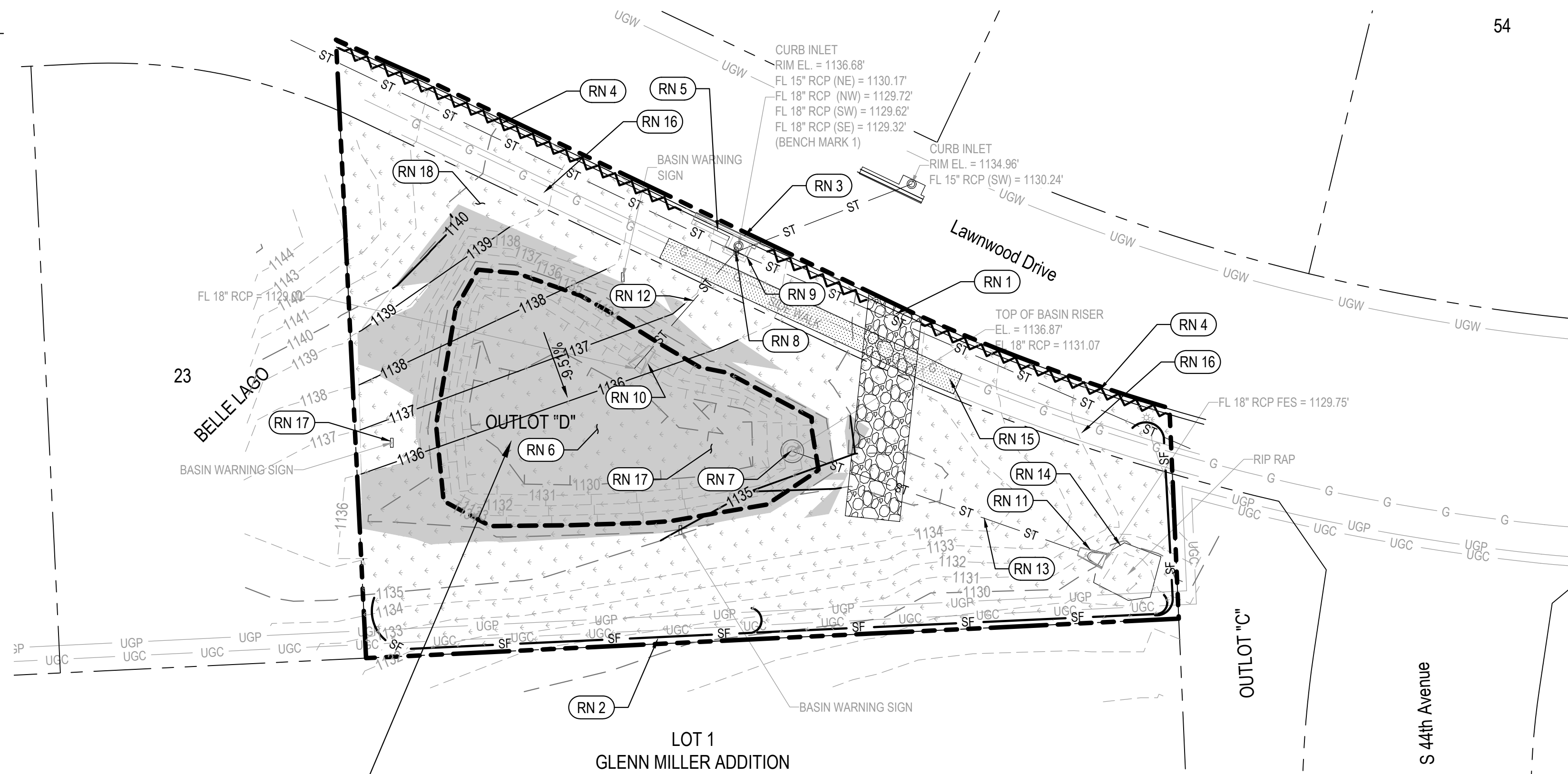


| Revisions | Date | Description |
|-----------|------------|-------------|
| 1 | 07/18/2024 | |

Proj No: 2016541.1004
 Date: 07/18/2024
 Designed By: JUN
 Drawn By: JUN
 Scale: AS SHOWN
 Sheet: 9 of 10
 7/18/2024 10:37 AM E:\AGS\nebraska\Projects\Projects\2016541\PCSMP\Profile.dwg PCSMP Basin A-C Conversion-00.dwg
 Chase J. Luther

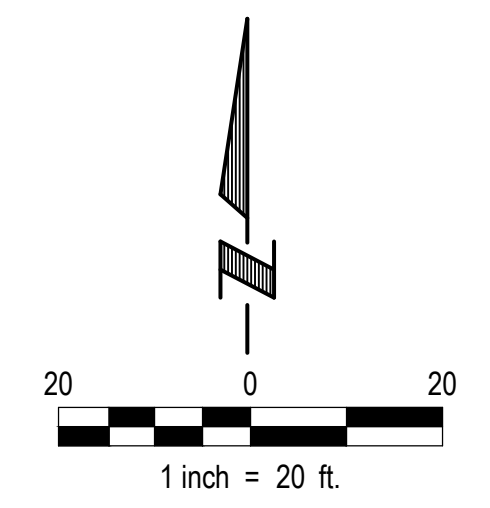
NO REFERENCE NOTES

- RN 1 Install, maintain & remove construction entrance, 1 EA
- RN 2 Install silt fence (J-hooks every 100 ft) 241 LF, (total this sheet) - See sheet 3 for detail
- RN 3 Install curb inlet protection, 1 EA (total this sheet)
- RN 4 Install straw wattle, 163 LF
- RN 5 Existing storm sewer
- RN 6 Remove Temporary Sediment Basin, See this sheet for Detail, Excavate, Dry and Re-Compact Silt or Haul Off Site, 75 CY
- RN 7 Remove CMP riser structure and base, 1 EA
- RN 8 Construct 18" Pipe Plug, 1 EA
- RN 9 Remove 18" pipe plug, 1 EA
- RN 10 Remove 18" FES, 1 EA
- RN 11 Remove 18" FES, 1 EA
- RN 12 Remove 18" RCP, 28 LF
- RN 13 Remove 18" RCP, 66 LF
- RN 14 Remove existing rip-rap (subsidiary)
- RN 15 Remove and replace 5' wide 5" PCC Sidewalk, 349 SF, Contractor shall abut new sidewalk to existing sidewalk with thickened edge. Install expansion joint at connection. Adjust elevation as needed to match existing grade (subsidiary of remove and replace concrete sidewalk). Barricading sidewalk closure required (subsidiary).
- RN 16 Existing sidewalk
- RN 17 Remove sign (subsidiary)
- RN 18 Install Type A seed & North American Green S150 Matting - Planting method shall be per manufacturer's recommendation, 1,593 SY.



Contractor shall pump and remove ponded water and suspended sediment and solids from the existing basin. Suspended sediments shall be removed from the basin water using a best management practice of the contractors choosing. Once water has been removed, the basin shall be cleaned and prepared for infilling. Trees shall be removed and grubbed, sediment basin improvements including rip-rap and baffles shall be removed, and refuse and any unsuitable soils shall be removed and disposed of legally. All removal, clean-up and disposable costs shall be considered incidental to Clearing and Grubbing as part of the Basin Removal Project.

UTILITIES NOTE:
 THE UNDERGROUND UTILITIES SHOWN HAVE BEEN LOCATED FROM OBSERVED EVIDENCE TOGETHER WITH EVIDENCE FROM PLANS OBTAINED FROM UTILITY COMPANIES OR PROVIDED BY CLIENT, AND MARKING BY UTILITY COMPANIES AND OTHER APPROPRIATE SOURCES. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY, AND RELIABLY DEPICTED. IN ADDITION, IN SOME JURISDICTIONS, 811 OR OTHER SIMILAR UTILITY LOCATE REQUESTS FROM SURVEYORS MAY BE IGNORED OR RESULT IN AN INCOMPLETE RESPONSE, IN WHICH CASE THE SURVEYOR SHALL NOTE ON THE PLAT OR MAP HOW THIS AFFECTED THE SURVEYOR'S ASSESSMENT OF THE LOCATION OF THE UTILITIES.

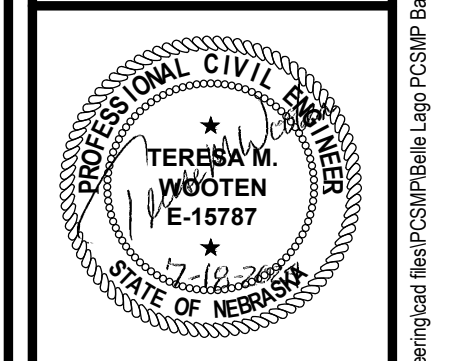


LEGEND

- Power Pole
- - - Guy Wire
- Light Pole
- Fire Hydrant
- Utility Valve (Water)
- Utility Valve (Gas)
- Curb Inlet
- Manhole
- Flared End Section
- Sign
- Power Riser
- Telephone Riser
- Tree
- Building
- X - X - Fence Line
- G - G - Gas Line
- UGW - UGW - Water Line
- Existing Storm Sewer
- Proposed Storm Sewer
- ST - ST - Storm Sewer Line
- SS - SS - Sanitary Sewer Line
- OHP - OHP - Power Line (Overhead)
- UGP - UGP - Underground Power Line
- UGE - UGE - Underground Electrical Line(s)
- UGC - UGC - Underground Cable Communication Line (Telephone, TV)
- 1120 - Existing Contours
- 1170 - Proposed Contours
- ~ ~ ~ Wattles
- SF - Silt Fence
- - - Limits of Construction
- - - Sediment Basin Perimeter
- Fill Areas
- Construction Entrance
- Sidewalk (see Reference Note 15 this sheet)
- Seed and Mat Disturbed Area (see Reference Note 18 this sheet)

PCSM: BEL-20170413-4085-P PROJECT TYPE: PCSMP

| Proj No: | 2016541.004 |
|--------------|-------------|
| Date: | 07/18/2024 |
| Designed By: | JUN |
| Drawn By: | JUN |
| Scale: | AS SHOWN |
| Sheet: | 10 of 10 |



CLOSURE BASIN C - PLAN

BELLE LAGO
 PCSMP BASIN A-B
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 CLOSURE
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 SARPY COUNTY, NEBRASKA



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