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Riley Purgatory Bluff Creek Watershed District Permit Application Review

Permit No: 2024-023

Considered at Board of Managers Meeting: June 5, 2024

Received complete: April 22, 2024

Applicant: City of Chanhassen

Representative: Stantec, Brendan Barth

Project: The applicant proposes constructing a new city hall, parking facilities, public parking, utilities, community site improvements, and stormwater management improvements. Stormwater management will be provided by a regional reuse system, an infiltration basin, and two biofiltration basins to provide volume control, water quality, and rate control.

Location: North of 78th Street between Market and Kerber Boulevards in Chanhassen, MN.

Reviewer: Scott Sobiech, P.E., Barr Engineering Co.

Potential Board Variance Action

Manager _____ moved and Manager _____ seconded adoption of the following resolution based on the permit report that follows, the presentation of the matter at the June 5, 2024, meeting of the managers and the managers' findings, as well as the factual findings in the permit report that follows:

Resolved that the variance request for Permit 2024-023 from compliance with Rule J, subsection 3.6b is approved, based on the facts and analysis provided by the RPBCWD engineer below and placed in the record at the June 5, 2024 meeting of the managers, and the managers' findings in the record of the June 5 meeting, and subject to the following conditions: [MANAGER CONDITIONS]

Upon vote, the resolutions were adopted, ___ [VOTE TALLY]

Proposed Board Action

Manager _____ moved and Manager _____ seconded adoption of the following resolutions based on the permit report that follows and the presentation of the matter at the June 5, 2024 meeting of the managers:

Resolved that the application for Permit 2024-023 is approved, subject to the conditions and stipulations set forth in the Recommendations section of the attached report;

Resolved that on determination by the RPBCWD administrator that the conditions of approval of the permit have been affirmatively resolved, the RPBCWD president or administrator is authorized and directed to sign and deliver to the applicant, Permit 2024-023 on behalf of RPBCWD.

Upon vote, the resolutions were adopted, ___ [VOTE TALLY].

Applicable Rule Conformance Summary

Rule	Issue	Conforms to Rule?	Comments	
C	Erosion Control Plan	See comment.	See rule-specific permit condition C1 related to providing name and contact information for the individual responsible for erosion control.	
J	Stormwater Management	Rate	Yes	
		Volume	Yes	
		Water Quality	See Comment	See rule-specific permit condition J1 related to pretreatment for discharge to BMP-01.
		Low Floor Elev.	No	See Rule K variance request
		Maintenance	See Comment	See Rule Specific Permit Condition J2 related to authorization from ISD 112 to allow irrigation & J3 maintenance agreement execution
		Chloride Management	See Comment	See stipulation #6 related in providing a chloride management plan prior to close-out.
		Wetland Protection	N/A	
K	Variations and Exceptions	See comment.	Variance request from 2 feet of freeboard. See Rule Specific Permit Condition K1..	
L	Permit Fee	N/A	Governmental Entity	
M	Financial Assurance	N/A	Governmental Entity	

Background

The applicant proposes redevelopment of the Chanhasen City Hall campus by constructing a new city hall, parking facilities, public parking, utilities, community site improvements, and stormwater management improvements. Stormwater management will be provided by a reuse system, an infiltration basin, and two biofiltration basins to provide volume control, water quality, and rate



control. The site is located entirely in the Rice Marsh Lake subwatershed. Relevant project site information is provided in Table 1.

Table 1 Relevant Project Information

	Total Project
Total Site Area (acres)	10.69
Existing Site Impervious (acres)	6.72
Post Construction Site Impervious (acres)	6.82
New Imperious Area (acres)	1.05
Increase in Site Impervious Area (acres)	0.1 (1.5% increase)
Disturbed impervious surface (acres)	3.1 (46.1% disturbance)
Regulated Impervious Surface (acres)	4.15
Total Disturbed Area (acres)	6.19

The following materials were reviewed in support of the permit request:

1. Permit application dated April 2, 2024 (Notified applicant on April 15, 2024 that submittal was incomplete, materials completing the application received April 22, 2024)
2. Chanhassen Civic Center Stormwater Management Plan dated March 29, 2024 (revised April 22, 2024 and May 17, 2024)
3. Downtown Chanhassen Regional Stormwater Framework dated March 2024 (Revised April 2024)
4. Construction Drawings (49 sheets) dated March 29, 2024 (47 sheets revised May 17, 2024)
5. Draft Geotechnical/Pavement Evaluation Report by Bruan Intertec dated October 31, 2023 (attached to SWM Report)
6. Electronic HydroCAD models for existing and proposed conditions received April 2, 2024 (revised March 22, 2024 and May 17, 2024)
7. Electronic P8 modeling of existing and proposed conditions received April 2, 2024 (revised April 22, 2024)
8. MIDS models of existing and proposed conditions received May 17, 2024
9. Response to Comments from Stantec dated April 23, 2024
10. Seeding specification received April 22, 2024
11. Soil Preparation specification received April 22, 2024
12. Landscaping specification received April 22, 2024
13. Variance request dated May 17, 2024

Rule Specific Permit Conditions

Rule C: Erosion Prevention and Sediment Control

Because the project will involve 6.19 acres of land-disturbing activity, the applicant must provide an erosion-prevention and sediment-control plan that conforms to the requirements set forth by the RPBCWD Erosion Prevention and Sediment Control rule (Rule C, Subsection 2.1a).

The erosion control plans prepared by Stantec includes installation of silt fence, sediment control logs, stabilized construction entrances, inspection, staging areas, riprap at flared ends, placement of a minimum of 6 inches of topsoil with a minimum 5% organic matter, decompaction of areas compacted during construction, and retention of native topsoil onsite to the greatest extent possible. To conform to RPBCWD Rule C requirements, the following revisions are needed:

- C1. The Applicant must provide the name, address and phone number of the individual who will remain liable to the District for performance under this rule and maintenance of erosion and sediment-control measures from the time the permitted activities commence until vegetative cover is established.

Rule J: Stormwater Management

Because the project will alter more than 6.19 acres of surface area, conformance with RPBCWD’s Stormwater Management Rule (Rule J) is required.

The criteria listed in Subsection 3.1 will apply to only runoff from the new and reconstructed impervious areas on the project parcel because the impervious disturbance (46.1 percent) and imperviousness increase (1.5 percent), do not amount to a disturbance of more than 50 percent of the impervious surface of the parcel nor will the imperviousness be increased by more than 50 percent (Rule J, Subsection 2.3).

Stormwater management will be provided by a regional reuse system, two biofiltration basins, and an infiltration basin to provide volume control, water quality, and rate control. Pretreatment for runoff entering the biofiltration basins and infiltration basin is being provided by vegetated overland flow for BMP-02 and BMP-03.

Rate Control

In order to meet the rate control criteria listed in Subsection 3.1.a, the 2-, 10-, and 100-year post development peak runoff rates must be equal to or less than the existing discharge rates at all locations where stormwater leaves the site.

The applicant used HydroCAD to simulate runoff rates for pre- and post-development conditions for the 2-, 10-, and 100-year frequency storm events using a nested rainfall distribution, and a 100-year frequency, 10-day snowmelt event. The existing and proposed 2-, 10-, and 100-year frequency discharges from the site are summarized in Table 2. The proposed project is in conformance with RPBCWD Rule J, Subsection 3.1.a.

Table 2. Rate control summary:

Modeled Discharge Location	2-Year Discharge (cfs)		10-Year Discharge (cfs)		100-Year Discharge (cfs)		10-Day Snowmelt (cfs)	
	Ex	Prop	Ex	Prop	Ex	Prop	Ex	Prop
Kerber	5.8	4.9	9.3	7.8	17.1	14.5	0.8	0.7
Chan view	8.0	6.6	12.9	10.7	24.3	19.9	1.5	1.1

Laredo	3.2	3.2	5.1	5.1	9.3	9.2	0.4	0.4
ISD 112	0.2	0.2	0.3	0.3	0.5	0.6	<0.1	<0.1
CSAH 16	31.1	30.8	49.9	49.2	93.0	92.5	5.1	5.1

Volume Abstraction

Subsection 3.1b of Rule J requires the abstraction onsite of 1.1 inches of runoff from the regulated impervious surface of the site. An abstraction volume of 16,573 cubic feet is required from the 4.15 acres of regulated impervious area. Soil boring information collected by Braun Intertec at 27 locations across the site indicate the soils are predominately clayey sand or sandy lean clay under varying depth of clayey fill. The subsurface investigation information summarized in the table below supports a determination that groundwater is at least 3 feet below the bottom of the proposed stormwater facilities BMP-2 and BMP-3 (Rule J, Subsection 3.1.b.2.a). Because adequate separation to the soil layer exhibiting redoximorphic conditions was not achieved with BMP-1, the basin is designed as a biofiltration basin with a HDPE liner.

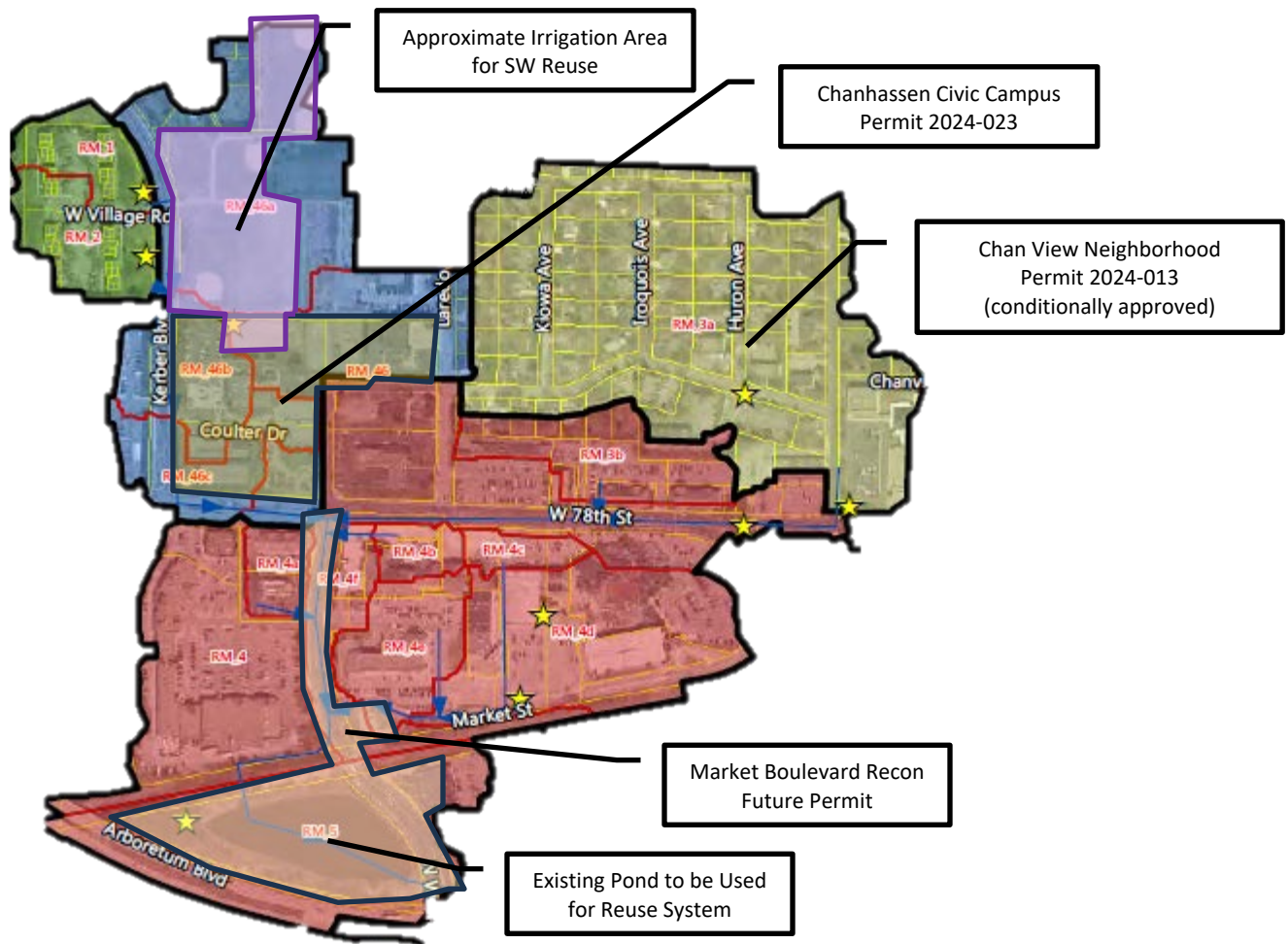
Proposed BMP	Nearest Subsurface Investigation	Boring is within footprint?	Groundwater Elevation (feet)	BMP Bottom Elevation (feet)	Separation (feet)
BMP-1 (biofiltration)	ST-2 and ST-110	No	ST-110 No groundwater observed at boring bottom (approx. el 979.9 ft) ST-2 redoximorphic soils observed at 981.3	979.48	0.42
BMP-2 (biofiltration)	ST-108	No	No groundwater observed at boring bottom (approx. el 979.7 ft)	990.5	10.8
BMP-3 (infiltration)	ST-104	No	No groundwater observed at boring bottom (approx. el 979.6ft)	992	12.4

Because the engineer concurs that the low permeable soils (i.e., clay) and areas with high groundwater support that the abstraction standard in subsection 3.1b of Rule J cannot practicably be met for runoff from the regulated impervious surface on-site. The site is considered restricted and stormwater runoff volume must be managed in accordance with subsection 3.3 of Rule J.. For restricted sites, subsection 3.3 of Rule J requires rate control in accordance with subsection 3.1.a, and abstraction and water quality protection in accordance with the following sequence:

- (a) Abstraction of 0.55 inches of runoff from site impervious surface determined in accordance with paragraphs 2.3, 3.1 or 3.2, as applicable, and treatment of all runoff to the standard in paragraph 3.1c;
- or

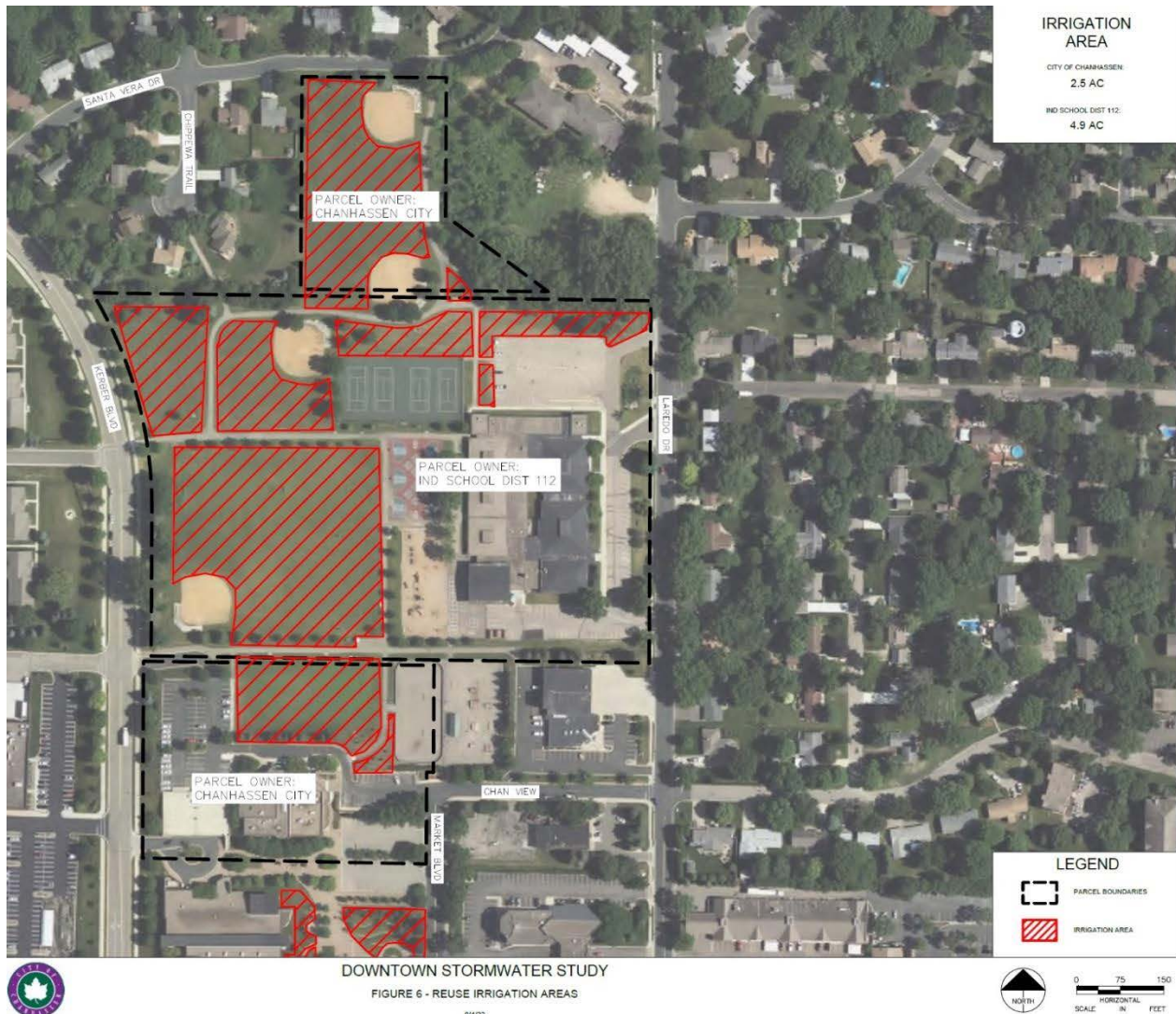
- (b) Abstraction of runoff onsite to the maximum extent practicable and treatment of all runoff to the standard in paragraph 3.1c; or
- (c) Off-site abstraction and treatment in the watershed to the standards in paragraph 3.1b and 3.1c.

The applicant proposes to use two biofiltration basins and infiltration basin onsite combined with an off-site regional reuse system to provide abstraction within the same watershed (i.e., the Rice Marsh Lake subwatershed) (Rule J, subsection 3.3.c). Because the city proposes to use an off-site reuse system to provide abstraction within the same watershed, the applicant provided the Downtown Chanhassen Regional Stormwater Framework report to support the analysis. (This is the same analysis framework discussed at the Board of Managers January 25, 2024 workshop and the May 5, 2024 meeting related to permit 2024-013.) Downtown Chanhassen Regional Stormwater Framework outlines the city's use of a regional reuse system to provide abstraction beyond that required for compliance with subsection 3.3b discussed above and water quality treatment for the Chan View Street Reconstruction (RPBCWD Permit 2024-013 – conditionally approved May 5, 2024), Chanhassen Civic Campus reconstruction (this permit), and Market Boulevard improvements (future application, expected 2025). The following image illustrates the areas associated with the above referenced permits tributary to the proposed reuse system.



To qualify for approval, a stormwater-management plan must provide for compliance with RPBCWD stormwater-management criteria in conjunction with implementation of the permitted work. Here, the city plans to construct the reuse system with the Market Boulevard improvements project anticipated for 2025, while the proposed city hall campus (and Chan View neighborhood road redevelopment conditionally approved at the May 2024 meeting) proceed in 2024 with some site restoration in 2025. The reuse system will likely not be implemented prior to completion of the work that is the subject of permit application 2024-023, which represents a shortfall from compliance with all relevant criteria. The applicant is requesting a variance to allow delayed compliance with the RPBCWD stormwater requirements. (Because the reuse system is intended to support stormwater compliance with select parcels and right of way projects rather than all parcels within the study region, and because it does not provide, in advance of land-disturbing activities in the subject area, compliance with the criteria in Rule J, subsection 3.1, for the entire area, the proposal does not qualify as a regional stormwater management plan under Rule J, subsection 4.) The applicant provided storm sewer data demonstrating that the stormwater for reuse from the redevelopment of the civic campus would be collected in the existing stormwater pond located in the NW quadrant of Highway 5 and Market Boulevard. The proof-of-concept drawings confirm the reuse water will be pumped under Market Boulevard right of way

to irrigate the existing ballfields located north of Chanhassen City Hall, the planned Chanhassen Civic Campus, and potentially the boulevards along Market Boulevard (see below image showing irrigation areas).



The applicant submitted 18 Modified Philip & Dunne (MPD) infiltration test results collected within the proposed irrigation areas to support the proposed irrigation rate. The testing results indicate the infiltration rates of the surface soils range between 0.006 inches per hour to 16.1 inches per hour with an average rate of 1.71 inches per hour, which is indicative of a sandy soil. Seven of the 18 tests yielded no viable results using the MPD methodology and were excluded from the average. Reviewing the data collected at these 7 locations indicate the water level in the MPD unit typically dropped less than 0.24-2.96 cm over a roughly 3 hour duration, suggesting the soils have limited infiltration capacity. The engineer concurs with the applicant use of the MIDS model to estimate the abstraction and pollutant reduction by irrigating the areas shown on the above image. Table 3 summarizes how the irrigation rate influences the abstraction volume and pollutant reduction provided by the proposed reuse system.

Table 3. Influence of Irrigation Rate on Pollutant Reduction

Irrigation (inches)	Abstraction Volume (cubic feet)	TSS (lbs/yr)	TP (pbs/yr)
1.0	19,809	1,571	8.6
1.65	33,595	2,784	15.3
2.0	40,992	3,230	17.8

The applicant intends to reuse as much water as the conditions will allow while maintaining the areas in useable condition and requested approval of a 1.65 inch per week irrigation rate based on surface infiltration testing in the irrigation areas. The MIDS model estimates abstraction volume based on the amount of water that is used for irrigation over a three-day period (timeframe is the typical time between rainfall event in Minneapolis). Rather than irrigating 0.22 inches three times per week as suggested by the MIDS calculator, the applicant will need to irrigate an equivalent of 0.37 inches three times per week to maximize the abstraction volume provided by the system. Because of the infiltration testing conducted in the irrigation area, the engineer concurs with the use of a 1.65 inch per week irrigation rate to produce an available abstraction volume of 33,595 cubic feet and provide 15.3 pounds per year of total phosphorus reduction and 2,784 pounds per year of total suspended solids reduction.

The applicant is proposing to rely on the biofiltration basins (751 cubic feet), infiltration basin (67 cubic feet), regional reuse system (15,755 cubic feet) to provide the abstraction volume required by subsection 3.3.c as summarized in Table 4. Because the proposed stormwater reuse system requires consistent use at a specified rate to meet District water quality requirements via abstractions, performance monitoring for the site will be required to ensure that the project provides the proposed volume abstraction.

Table 4. Volume abstraction summary

Required Abstraction Depth (inches)	Required Abstraction Volume (cubic feet)	Provided Abstraction Depth (cubic feet)	Provided Abstraction Volume (cubic feet)
1.1	16,573	1.1	16,573

Because the required abstraction volume and pollutant reductions are less than the total produced by the reuse system, there may be excess pollutant reduction available for the applicant to use for compliance for future permit applications (depending on actual irrigation rates achieved). If the monitored irrigation rates are less than 1.65 inches per week, design modifications to demonstrate compliance with RPBCWD requirements will need to be submitted to RPBCWD for review and approval in the form of a permit modification. Application of any extra pollutant reduction or volume abstraction used on other permits by this application will be analyzed under a separate permit application. Table 5 illustrates how the abstraction volume and pollutant reduction are used for permits 2024-013 and 2024-023. Approval of permit 2024-023 by the Board of Managers does not constitute approval of other, future permit applications.

Table 5. Tracking of Volume Abstraction and Pollutant Reduction for Regional Reuse System

Description	Abstraction Volume (cubic feet)	TSS (lbs/yr)	TP (lbs/yr)
Created by Proposed Regional Reuse System presuming 1.65"/week irrigation rate	33,595	2,784	15.3
Used for Conditionally Approved Permit 2024-013	0	-1,105	-4.1
Used for this Permit 2024-023	-15,755	-1,291	-4.66
Potential Extra	17,840	388	6.54

Because no on-site infiltration testing was collected during the design process, the engineer concurs with the applicant’s design infiltration rates of 0.06 inches per hour based on the guidelines provided in the Mn Stormwater Manual. Based on the design infiltration rate, the engineer concurs that the proposed infiltration basin will draw down within 48 hours (Rule J, subsection 3.1b.3). Per Rule J, Subsection 3.1.b.2.c measured infiltration capacity of the soils at the bottom of the infiltration basin must be provided. The applicant must submit documentation verifying the infiltration capacity of the soils and that the volume control capacity is calculated using the measured infiltration rate at infiltration basin BMP-3. If infiltration capacity is less than 0.06 inches per hour, or there is inadequate separation to groundwater, design modifications to achieve compliance with RPBCWD requirements will need to be submitted (in the form of an application for a permit modification or new permit).

Water Quality Management

Subsection 3.1.c of Rule J requires the Applicant to provide for at least 60 percent annual removal efficiency for total phosphorus (TP), and at least 90 percent annual removal efficiency for total suspended solids (TSS) onsite or within the same subwatershed as the land-disturbing activities, as well as no net increase in pollutant loading from existing conditions. MIDS water quality models were developed to estimate the TP and TSS loading from the watersheds and the removal capacity of the proposed on-site BMPs and regional reuse system. The results of this modeling are summarized in Table 6 and Table 7 below. With the following revisions, the engineer concurs with the modeling and finds that the proposed project will be in conformance with Rule J, Subsection 3.1.c.:

- J1. Pretreatment of runoff must be provided for BMP-01.

Table 6. Annual TSS and TP removal summary:

Pollutant of Interest	Regulated Site Loading (lbs/yr)	Required Load Removal (lbs/yr) ¹	Provided Load Reduction (lbs/yr)
Total Suspended Solids (TSS)	1,480	1,332 (90%)	1,332 (90%) ¹
Total Phosphorus (TP)	8.1	4.86 (60%)	4.86 (60%) ²

¹ TSS load reduction comprised of 41 lbs/year from on-site BMPs and 1,291 lbs/yr from the regional reuse system.

² TP load reduction comprised of 0.2 lbs/year from on-site BMPs and 4.66 lbs/yr from the regional reuse system.

Table 7. Summary of net change in TSS and TP leaving the site

Pollutant of Interest	Existing Loading (lbs/yr)	Proposed Load after Treatment (lbs/yr)	Change (lbs/yr)
Total Suspended Solids (TSS)	2,451	2,434	-17
Total Phosphorus (TP)	13.5	13.4	-0.1

Low floor Elevation

No structure may be constructed or reconstructed such that its lowest floor elevation is less than 2 feet above the 100-year event flood elevation according to Rule J, Subsection 3.6. In addition, a stormwater-management facility must be constructed at an elevation that ensures that no adjacent habitable building will be brought into noncompliance with a standard in this subsection 3.6. The low floor elevations of the proposed city hall and existing structures as well as the 100-year high water elevation of the stormwater facilities are summarized in Table 8. Because the low floor elevations of the proposed city hall facility, library and park pavilion are below the 100-year high water elevation of the adjacent stormwater facility, an alternative low floor analysis was conducted as outlined in Rule J, Appendix J.1 – Low-Floor Elevation Assessment. The results of the low floor analysis using Appendix J1 Plot 2: Minimum Depth to Water Table for No Further Evaluation is summarized in Table 8. The results demonstrate the provided separation is greater than the minimum required, thus meeting the habitable structure requirements in Rule J, Subsection 3.6 except for the proposed low floor of the new city hall facility, which the applicant is requesting a variance from the low floor criteria. (see Rule K analysis below)

Table 8 Low Floor Evaluation

Structure Address	Stormwater Facility	100-year Event Flood Elevation of Feature (feet)	Lowest Floor Elevation of Building (feet)	Freeboard Provided (feet)	Distance from Building to Adj. Facility (ft)	Seasonal Water Table Elevation (ft)	Minimum Allowable Depth to Water Table (ft)	Provided Depth from Low Floor Elevation to Water Table (ft)
Existing Fire Station	BMP-03	992.4	997.0	4.6	-	-	-	-
Existing Elementary School	BMP-03	992.4	997.0	4.6	-	-	-	-
Existing Library	BMP-01	980.1	979.4	-0.7	123	967.2 (Bottom of boring ST-116)	1.8	12.2
Proposed City Hall	BMP-01	980.1	970.8	-9.3	40	971.8 (ST-118)	8.4	-1.8
Park Pavilion	BMP-02	991.6	989.0	-2.6	172	976.8 (ST-105)	0.2	12.2

Maintenance

Subsection 3.7 of Rule J requires the submission of maintenance plan. All stormwater management structures and facilities must be designed for maintenance access and properly maintained in perpetuity to assure that they continue to function as designed.

- J2. Because the applicant proposes reliance on irrigating greenspace on ISD 112 property (see above image for irrigation area on ISD property), as part of the maintenance and operating agreement the applicant must provide information demonstrating the necessary property rights to use the greenspace into perpetuity for irrigation.
- J3. Permit applicant must provide a draft maintenance, inspection, and operating plan for review and approval by RPBCWD. As a public entity, the city of Chanhassen may comply with this requirement by entering into a maintenance agreement with the RPBCWD. The agreement must also include a stormwater reuse monitoring and reporting plan that includes protection of the greenspace to be irrigated and metering of the volume of reuse.

Chloride Management

Subsection 3.8 of Rule J requires the submission of chloride management plan that designates the individual authorized to implement the chloride management plan and the MPCA-certified salt applicator engaged in implementing the plan. To close out the permit, Permit applicant must provide a chloride management plan that designates the individual authorized to implement the chloride management plan.

Wetland Protection

Because the proposed activities discharge to a downstream stormwater pond, Rule J, subsection 3.10 does not impose requirements on the project.

Rule K: Variances and Exceptions

The applicant requested the following two variances from the Rule J.

- The RPBCWD flood-protection/freeboard requirement (Rule J, subsection 3.6).
- Allowing the stormwater management compliance to be deferred until the Market Boulevard project occurs in 2025, likely after the close-out of this permit 2024-013.

The attached variance request letter submitted on behalf of the applicant cites several facts related to the development in support of the request. Rule K requires the Board of Managers to find that because of unique conditions inherent to the subject property the application of rule provisions will impose a practical difficulty on the Applicant. Assessment of practical difficulty is conducted against the following criteria:

1. how substantial the variation is from the rule provision;
2. the effect of the variance on government services;
3. whether the variance will substantially change the character of or cause material adverse effect to water resources, flood levels, drainage or the general welfare in the District, or be a substantial detriment to neighboring properties;
4. whether the practical difficulty can be alleviated by a technically and economically feasible method other than a variance. Economic hardship alone may not serve as grounds for issuing a variance if any

- reasonable use of the property exists under the terms of the District rules;
5. how the practical difficulty occurred, including whether the landowner, the landowner's agent or representative, or a contractor, created the need for the variance; and
 6. in light of all of the above factors, whether allowing the variance will serve the interests of justice.

It is the applicant's obligation to address these criteria to support a variance request (see attached variance memo).

Variance Request #1

Following is the RPBCWD engineer's assessment of information received relevant to the applicant's variance request from the freeboard requirement.

- Related to variance criterion 1 – The City Hall building is proposed to have an underground parking area that is required to have a LFE of 970.8 to provide a functional space for vehicle parking and utilities. The proposed low floor elevation of the underground parking is *9.3 below* the 100-year flood elevation of the proposed biofiltration basin BMP-01 rather than 2 feet above the flood elevation. The analysis with Appendix J1 indicates the proposed low flow is actually *1.8 feet below* the seasonally high groundwater level observed in boring ST-118.
- With regard to variance criteria 2 and 3 – The shortfall from compliance only affects the proposed building on the applicant's property. Because the proposed project will reduce the discharge leaving the site relative to existing conditions, as discussed in the Rule J analysis, the proposed project is not reasonably likely to cause off-site adverse impacts to flood risk.
- Technical measures incorporated into the project plan to alleviate the practical difficulty (variance criterion 4) include the incorporation of an underdrain below the biofiltration basin BMP-01, a HDPE membrane liner to prevent runoff from infiltrating, and waterproofing the proposed structure, thus minimizing the potential impacts to the proposed structure from the stormwater facility. The 100-year flood elevation is contained on city property and only impacts the city's proposed structure. The applicant dismissed removing the stormwater facilities because of a desire to use the proposed basin for public education purposes. While the proposed low floor elevation is below the 100-year flood elevation, the low entry elevation of the proposed building is at an elevation of 982.5 feet, which is 2.4-feet above the flood elevation of the adjacent biofiltration basin (HWL = 980.1 feet). In addition, the emergency overflow path between the proposed City Hall and existing Library structures contains storm sewer inlets that will capture and convey flows to provide protection for the buildings from surface flows.
- With regard to variance criterion 5, the applicant has created the circumstances leading to the variance.

In summary, the lack of freeboard and separation to groundwater for the proposed building on the site does not present an increased material risk to downstream properties or water resources. If the Managers grant the requested variance the RPBCWD engineer recommends the managers discuss a further condition with legal counsel, such as the following:

- K1. The applicant must provide written indemnification of the RPBCWD, signed by a representative with authority to bind the city, from all claims and causes of action arising from the proposed noncompliance with the RPBCWD low-floor criteria.

Variance Request #2

The applicant requested a variance to allow the construction of the regional reuse system as part of the Market Boulevard reconstruction project planned to occur in 2025, after construction of the civic campus is well under way, if not largely completed. For purposes of the Board of Managers' consideration, the following factors were analyzed based on Rule K.

- Related to variance criteria #1 – The majority of the construction activities associated with permit 2024-023, if approved by the RPBCWD managers, will occur in 2024 and 2025. The city is planning to reconstruct Market Boulevard in 2025 and would install necessary infrastructure for the regional reuse system along Market Boulevard while the roadway is being reconstructed. The reuse system would likely be operation in late 2026. This results in roughly a 12-month delay between the completion of permit 2024-023 and the startup of the irrigation system.
- With regard to variance criteria 2 and 3 – Because the runoff from the site is conveyed in existing storm sewer to the existing stormwater treatment pond in the NW quadrant of Highway 5 and Market Boulevard and the applicant is providing rate control at the civic campus site boundary, the project is not likely to cause adverse impacts to flood levels or downstream resources in the 12-month period before the reuse system is put online.
- Technical measures incorporated into the project plan to alleviate the practical difficulty (variance criterion 4) include relying on the treatment capacity of the existing stormwater pond in the NW quadrant of Highway 5 and Market Boulevard and downstream treatment train to provide water quality treatment before runoff enters Rice Marsh Lake. In addition, the applicant is proposing two biofiltration basins and one infiltration basin on the site to provide rate control and some water quality treatment (These on-site stormwater facilities do not achieve compliance with applicable RPBCWD standards.)
- With regard to variance criterion 5, the applicant has created the circumstances leading to the variances by pursuing a regional reuse system to maximize the amount of runoff abstracted.

The variance request presents a fundamental policy question regarding timing of compliance that the RPBCWD engineer commends to the managers' consideration. If the managers elect to approve the variance request, the engineer recommends the addition of the following stipulation to the terms of approval:

- K2. In the event that the planned reuse system does not achieve the stormwater-management performance that is the basis for the city's proposal and the analysis above, the City of Chanhassen must submit a revised plan for meeting RPBCWD stormwater-management requirements to RPBCWD for review and approval.

Applicable General Requirements:

1. The RPBCWD Administrator and Engineer shall be notified at least three days prior to commencement of work.
2. Construction must be consistent with the plans, specifications, and models that were submitted by the applicant that were the basis of permit approval. The date(s) of the approved plans, specifications, and modeling are listed on the permit. The grant of the permit does not in any way relieve the permittee, its engineer, or other professional consultants of responsibility for the permitted work.
3. The grant of the permit does not relieve the permittee of any responsibility to obtain approval of any other regulatory body with authority.
4. The issuance of this permit does not convey any rights to either real or personal property, or any exclusive privileges, nor does it authorize any injury to private property or any invasion of personal rights, nor any infringement of federal, state, or local laws or regulations.
5. In all cases where the doing by the permittee of anything authorized by this permit involves the taking, using or damaging of any property, rights or interests of any other person or persons, or of any publicly owned lands or improvements or interests, the permittee, before proceeding therewith, must acquire all necessary property rights and interest.
6. RPBCWD's determination to issue this permit was made in reliance on the information provided by the applicant. Any substantive change in the work affecting the nature and extent of applicability of RPBCWD regulatory requirements or substantive changes in the methods or means of compliance with RPBCWD regulatory requirements must be the subject of an application for a permit modification to the RPBCWD.
7. If the conditions herein are met and the permit is issued by RPBCWD, the applicant, by accepting the permit, grants access to the site of the work at all reasonable times during and after construction to authorized representatives of the RPBCWD for inspection of the work.

Findings

1. The proposed project includes the information necessary, plan sheets and erosion control plan for review.
2. The Applicant has requested a variance from compliance with the Rule J criteria related to the low floor elevation of the proposed city hall facility.
3. If the variance from Rule J is approved, the proposed project will conform to Rules C and J if the Rule Specific Permit Conditions listed above are met.

Recommendation:

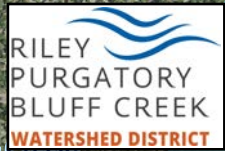
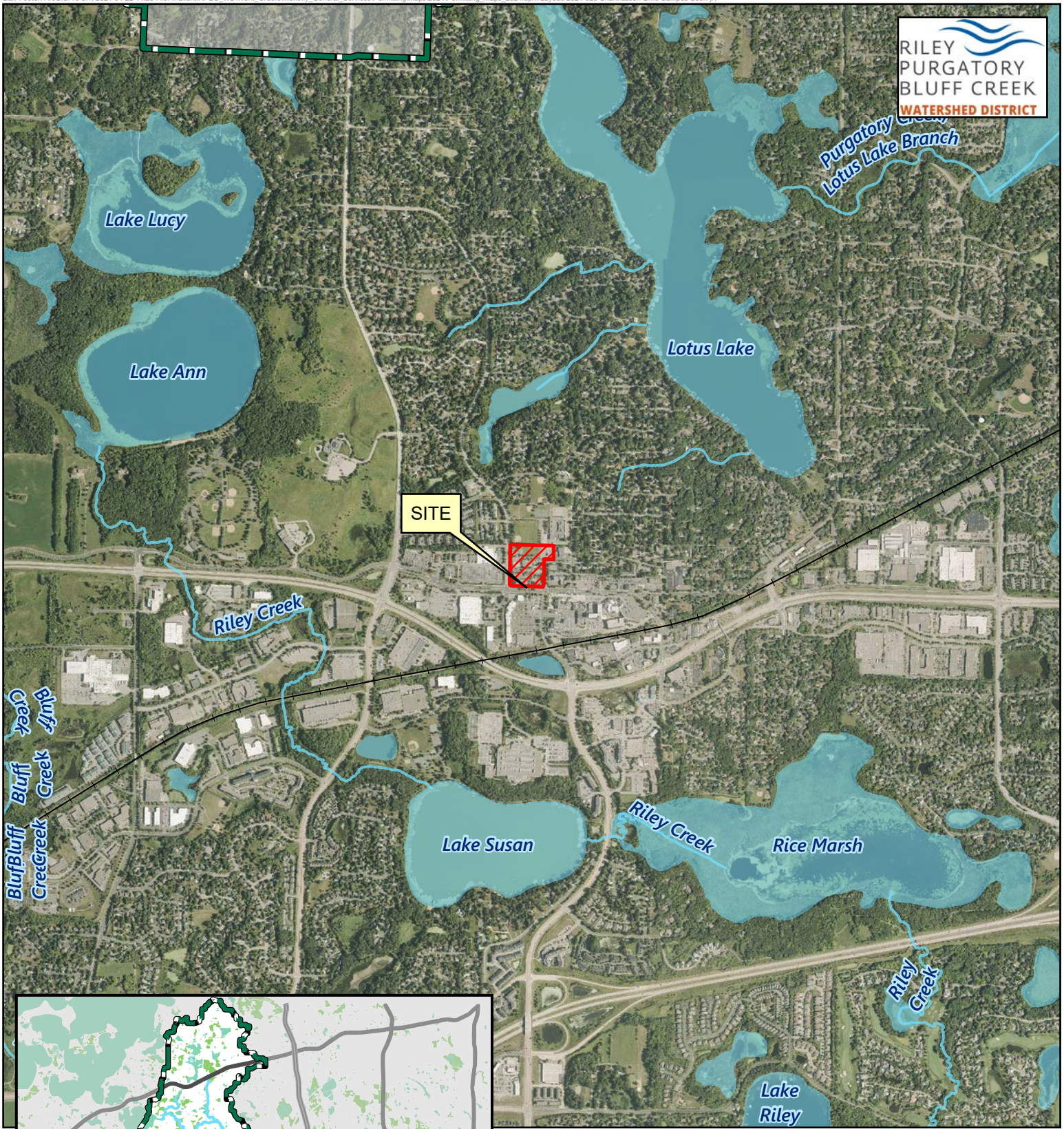
If the managers grant the variance (with such conditions as the managers may impose), the engineer recommends approval of the permit for a 2-year term to run through June 5, 2026, contingent upon:

1. The applicant providing the name and contact information of the general contractor responsible for the site.
2. Receipt of updated plans incorporating pretreatment of runoff entering BMP-01.

3. Demonstration of the necessary ongoing property rights to irrigate the greenspace on ISD 112 property.
4. Stormwater management facilities maintenance and operating requirements must be documented in an agreement with RPBCWD. A draft of the agreement and associated exhibits must be provided for RPBCWD review and approval prior to execution. The agreement must also include a stormwater reuse monitoring and reporting plan that includes protection of the greenspace to be irrigated and metering of the volume of reuse.

By accepting the permit, when issued, the applicant agrees to the following stipulations:

1. Continued compliance with General Requirements.
2. Per Rule C, Subsection 3.3 the permit holder will be responsible for the inspection, maintenance and effectiveness of all erosion prevention and sediment control facilities, features and techniques. The permittee must inspect all erosion prevention and sediment control facilities and soil stabilization measures to ensure integrity and effectiveness until final site stabilization.
3. Per Rule J Subsection 5.6, upon completion of the site work, the permittee must submit as-built drawings demonstrating that at the time of final stabilization the stormwater management facilities conform to design specifications and functions as intended and approved by the District. As-built/record drawings must be signed by a professional engineer licensed in Minnesota and include, but not limited to:
 - a) the surveyed bottom elevations, water levels, and general topography of all facilities;
 - b) the size, type, and surveyed invert elevations of all stormwater facility inlets and outlets;
 - c) the surveyed elevations of all emergency overflows including stormwater facility, street, and other;
 - d) other important features to show that the project was constructed as approved by the Managers and protects the public health, welfare, and safety.
4. Providing the following additional close-out materials:
 - a) Documentation that constructed stormwater facilities perform as designed. This may include infiltration testing, flood testing, or other with prior approval from RPBCWD
 - b) Documentation that disturbed pervious areas remaining pervious have been decompacted per Rule C Subsection 3.2c criteria
5. Per Rule J, Subsection 3.1.b.ii measured infiltration capacity of the soils at the bottom of the infiltration basin (BMP-03) must be provided. The applicant must submit documentation verifying the infiltration capacity of the soils and that the volume control capacity is calculated using the measured infiltration rate. In addition, subsurface soil investigation is needed to verify adequate separation to groundwater (Rule J subsection 3.1.b.2). If infiltration capacity is less than needed to conform with the volume abstraction requirement in subsection 3.3b or there is inadequate separation to groundwater, design modifications to achieve compliance with RPBCWD requirements will need to be submitted (in the form of an application for a permit modification or new permit).
6. To close out the permit, the permit applicant must provide a chloride management plan that designates the individual authorized to implement the chloride management plan and the MPCA-certified salt applicator engaged in implementing the plan at the site.



SITE

Permit Location Map

CHANHASSEN CIVIC CAMPUS
Permit 2024-023
Riley Purgatory Bluff Creek
Watershed District



Feet



To: Riley Purgatory Bluff Creek Watershed

From: Dan Lavender, PE, Stantec
Brendan Barth, EIT, Stantec

File: 193806523

Date: May 17, 2024

Reference: Chanhassen Civic Campus Variance Request

INTRODUCTION

This narrative is intended to be included as part of the stormwater management plan dated May 17, 2024, that was submitted to the RPBCWD for the Chanhassen Civic Campus redevelopment project. The Stantec team has been in communication with the City of Chanhassen and RPBCWD regarding a proposed stormwater biofiltration basin and its proximity to the proposed City Hall building with regards to Low Floor Elevation (LFE) and separation from groundwater.

RILEY PURGATORY BLUFF CREEK WATERSHED DISTRICT RELEVANT RULES

Rule J.3.6.a.iii. Low Floor Elevation. All new and reconstructed buildings must be constructed such that the lowest floor is at least two feet above the 100-year high water elevation or one foot above the emergency overflow of a stormwater management facility.

Rule J.3.6.b.ii. Low Floor Elevation. A stormwater management facility may be constructed at a location and elevation set according to Appendix J1 – “Low Floor Elevation Assessment.”

Due to this project being a redevelopment of an existing site with the intention to leave existing buildings and hardscape areas in place, elevations for the redeveloped portions of the project are constrained to remain in compliance with ADA standards as well as to promote positive drainage away from existing and redeveloped structures.

Due to existing site elevations the proposed City Hall building Low Entry (LE) elevation is required to be 982.5. The City Hall building is proposed to have an underground parking area that is required to have a LFE of 970.8 to provide a functional space for vehicle parking and utilities. Based on the required LFE of the proposed City Hall building (970.8) and the existing groundwater elevation (971.8), Appendix J1 Plot 2 indicates that the minimum permissible depth from LFE to groundwater is 3.8-feet. Because existing groundwater exceeds the LFE by one (1) foot, meeting the separation requirement is not feasible.

The rule and approval of the proposed biofiltration basin has created a situation where the proposed basin is limiting to ability for the site to develop in a location owned and operated by the City of Chanhassen. This will require a variance from Rule J.3.6.

VARIANCE REQUEST FROM RULE J.3.6 (RULE K)

To grant a variance, the Board of Managers must find, based on demonstration by the applicant, that because of unique conditions inherent to the subject property, which do not apply generally to other land or structures in the RPBCWD, strict application of a rule provision will impose a practical difficulty on the applicant, not a mere inconvenience. For purposes of the Board of Manager’s determination of whether a practical difficulty exists, the following factors will be considered:

Reference: Chanhassen Civic Campus Variance Request

- 1.1 How substantial the variation is from the rule provision.
- 1.2 The effect of the variance on government services.
- 1.3 Whether the variance will substantially change the character of or cause material adverse effect to water resources, flood levels, drainage, or the general welfare of the District, or be a substantial detriment to neighboring properties.
- 1.4 Whether the practical difficulty can be alleviated by a technically and economically feasible method other than a variance. Economic hardship alone may not serve as grounds for issuing a variance if any reasonable use of the property exists under the terms of the District rules.
- 1.5 How the practical difficulty occurred, including whether the landowner, the landowner's agent or representative, or a contractor, created the need for the variance.
- 1.6 In light of all of the above factors, whether allowing the variance will serve the interests of justice.

This project will be requesting a variance from the RPBCWD to allow the proposed City Hall building to be set at a distance less than what would be required per Rule J, Appendix J1. This situation is unique to this property because of the existing surface topography that will not be disturbed as part of this project and the need to provide positive drainage from the reconstructed areas. These conditions do not apply generally to other land or structures in the RPBCWD since only a portion of the site is being redeveloped.

1.1 – The Low Floor Elevation Assessment outlined in Appendix J1 is intended to prevent flooding of the structure by surface water and to prevent seepage or damage from uplift pressures that could result from a rise in the water table elevation.

Prevent Flooding

The proposed LFE of the proposed City Hall building is below the 100-year flood elevation, but the LE of the building is at an elevation of 982.5, which is 2.4-feet above the flood elevation of the adjacent biofiltration basin (HWL = 980.1). The emergency overflow path between the proposed City Hall and existing Library structures contains storm sewer inlets that will capture and convey flows to provide protection for the buildings.

Prevent Soil Saturation

Appendix J1 has been provided to assist in determining how to minimize the impacts to structures based on the amount of groundwater rise that could be expected due to an increase in an adjacent stormwater basin elevation. Based on the existing clay soils and existing groundwater elevation (971.8), the required 3.8-foot separation between LE and groundwater cannot feasibly be met.

1.2 – This variance only affects the property owned and operated by the City of Chanhassen. To prevent soil saturation issues, the proposed building will be waterproofed and have drain tile installed around the perimeter. The proposed biofiltration basin will be installed with drain tile and lined with an HDPE liner up to the 100-year high water elevation of the basin to minimize any potential groundwater seepage or mounding.

1.3 – Allowing this variance will not change the character of or cause material adverse effect to water resources, flood levels, drainage, or the general welfare in the District. This variance only affects the proposed City owned property.

1.4 – Multiple options have been reviewed to determine if the practical difficulty could be eliminated by a technically and economically feasible method other than a variance.

May 17, 2024

Riley Purgatory Bluff Creek Watershed

Page 3 of 3

Reference: Chanhassen Civic Campus Variance Request

One way to eliminate this practical difficulty would be to remove the basin from the proposed redevelopment project. The City plans to use the basin as an educational component. Additionally, the City feels it is their responsibility to lead by example and implement water quality control where practicable. Therefore removing the basin is not feasible.

Another way to eliminate this practical difficulty would be to raise the LFE of the building to provide greater than 3.8-feet of separation between the LFE and groundwater. This increased separation would meet the rules of Appendix J1. This option has been reviewed and determined to be infeasible. It is not possible to raise the LFE 4.8-feet and still provide adequate space for underground parking. This project is a redevelopment of an existing site that is bounded by existing topography on the Civic Campus property. This project will need to match into existing grades to the east, west, and south which strictly limit the ability to change elevation of the proposed building. The building would not be accessible if it were raised 4.8-feet.

1.5 – This practical difficulty is the result of the existing topography, accessibility requirements, and the need for underground parking.

1.6 – This variance request will serve the interests of justice because no other properties or landowners will be impacted by approving this request and this is not a substantial variation from the rule provision. The City is willing to provide an indemnification letter to the RPBCWD stating the District will not be held liable if any groundwater issues occur.

CONCLUSION

The variance from Rule J.3.6 should be granted based on the reasoning stated above.

Stantec Consulting Services Inc.

A handwritten signature in black ink, appearing to read "Dan Lavender". The signature is fluid and cursive, with the first name "Dan" being particularly prominent.

Dan Lavender
Project Manager, PE

Phone: (612) 895-5036

dan.lavender@stantec.com



ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/28/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPBCWD RESUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPBCWD RESUBMITTAL

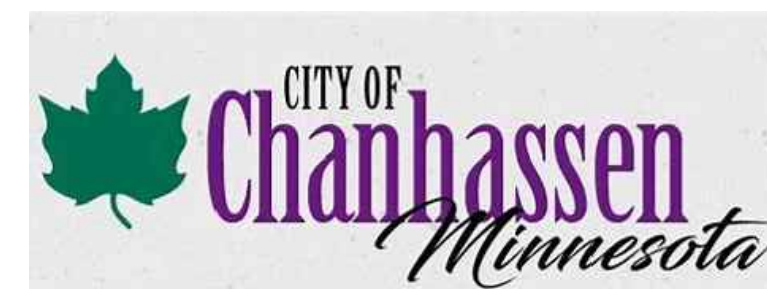
CIVIL ENGINEERING PLANS

ISSUED FOR BID AND PERMIT

CHANHASSEN CIVIC CAMPUS

CHANHASSEN, MINNESOTA 55424
MAY 2024

CITY



CITY OF CHANHASSEN
7700 MARKET BLVD
CHANHASSEN, MN 55317
(PHONE) - 952-227-1100
CONTACT: CHARLES HOWLEY, DIRECTOR OF PUBLIC WORKS / CITY ENGINEER

ENGINEER



STANTEC CONSULTING SERVICES, INC.
733 MARQUETTE AVENUE, SUITE 1000
MINNEAPOLIS MN 55402
ENGINEER: DAN LAVENDER, PE
(E) - DAN.LAVENDER@STANTEC.COM
PROJECT MANAGER: CLARK LOHR, CDT
(E) - CLARK.LOHR@STANTEC.COM

ARCHITECT

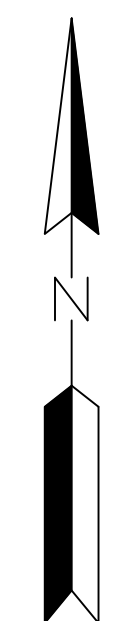
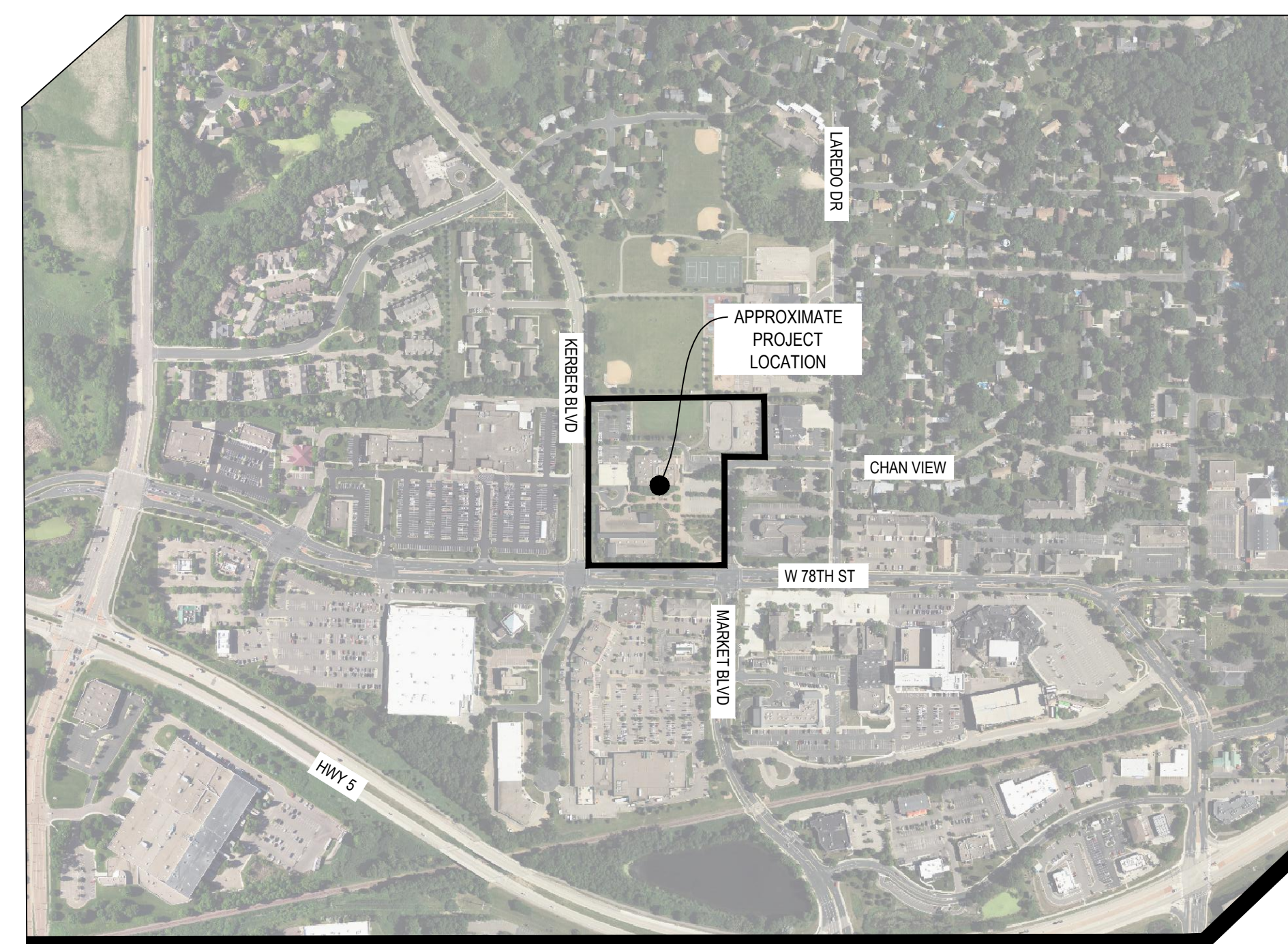


BKV GROUP
222 NORTH 2ND ST, SUITE 101
MINNEAPOLIS, MN 55401
(P) - 612-373-9514
CONTACT: MICHAEL HEALY, AIA

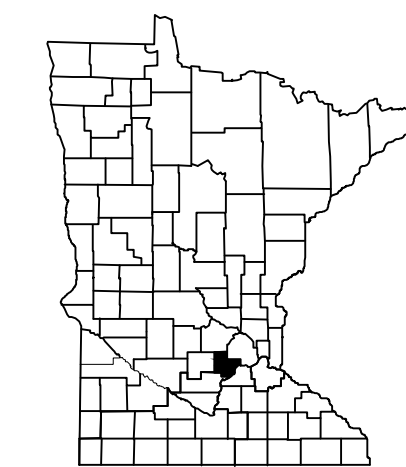
LANDSCAPE ARCHITECT



HOISINGTON KOEGLER GROUP, INC.
800 WASHINGTON AVE. N., SUITE 103
MINNEAPOLIS, MN 55401
(PHONE) - 612-338-0800
CONTACT: BRYAN HARJES



VICINITY MAP
NOT TO SCALE



PROJECT LOCATION
CITY: CHANHASSEN
COUNTY: CARVER

THIS PLANSET CONTAINS 47 SHEETS

SHEET NUMBER	SHEET TITLE
C-001	COVER SHEET
C-002	GENERAL NOTES
C-003	OVERALL EXISTING CONDITIONS
C-004	PHASE 1 EXISTING CONDITIONS
C-005	PHASE 2 NORTHWEST EXISTING CONDITIONS
C-006	PHASE 2 NORTHEAST EXISTING CONDITIONS
C-007	OVERALL REMOVALS & PRECONSTRUCTION EROSION CONTROL PLAN
C-008	PHASE 1 REMOVALS & PRECONSTRUCTION EROSION CONTROL PLAN
C-009	PHASE 2 REMOVALS & PRECONSTRUCTION EROSION CONTROL PLAN
C-010	PHASE 2 REMOVALS & PRECONSTRUCTION EROSION CONTROL PLAN
C-101	OVERALL SITE PLAN
C-102	PHASE 1 SITE PLAN
C-103	PHASE 2 NORTHWEST SITE PLAN
C-104	PHASE 2 NORTHEAST SITE PLAN
C-201	OVERALL POST-CONSTRUCTION STABILIZATION PLAN
C-202	PHASE 1 POST-CONSTRUCTION STABILIZATION PLAN
C-203	PHASE 2 NORTHWEST POST-CONSTRUCTION STABILIZATION PLAN
C-204	PHASE 2 NORTHEAST POST-CONSTRUCTION STABILIZATION PLAN
C-205	SWPPP
C-301	OVERALL GRADING PLAN
C-302	PHASE 1 GRADING PLAN
C-303	PHASE 2 NORTHWEST GRADING PLAN
C-304	PHASE 2 NORTHEAST GRADING PLAN
C-401	OVERALL UTILITY PLAN
C-402	PHASE 1 UTILITY PLAN
C-403	PHASE 2 NORTHWEST UTILITY PLAN
C-404	PHASE 2 NORTHEAST UTILITY PLAN
C-405	PHASE 1 UTILITY PLAN AND PROFILE
C-406	PHASE 2 UTILITY PLAN AND PROFILE
C-407	PHASE 1 UTILITY PLAN AND PROFILE
C-408	PHASE 1 UTILITY PLAN AND PROFILE
C-409	PHASE 1 UTILITY PLAN AND PROFILE
C-410	PHASE 2 UTILITY PLAN AND PROFILE
C-501	OVERALL STORM SEWER PLAN
C-502	PHASE 1 STORM SEWER PLAN
C-503	PHASE 2 NORTHWEST STORM SEWER PLAN
C-504	PHASE 2 NORTHEAST STORM SEWER PLAN
C-505	PHASE 2 NORTHEAST STORM SEWER PLAN
C-506	CB 102 TO EXISTING ROAD PROFILE
C-801	DETAILS
C-802	DETAILS
C-803	DETAILS
C-804	DETAILS
C-805	DETAILS
C-806	DETAILS
C-807	DETAILS
C-808	DETAILS

** NOTE: PAVING PLANS AND SUPPLEMENTAL ELEVATION DATA TO BE INCLUDED WITH A SEPARATE BID PACK OR ISSUED AS PART OF AN ASI.

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

D. Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###.#
SHEET TITLE

COVER SHEET

SHEET NUMBER

C-001



**CHANHASSEN
CIVIC CAMPUS**

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
1	02/13/2024	BP1 ADDENDUM 1
2	02/23/2024	BP1 ADDENDUM 2
3	02/27/2024	BP1 ADDENDUM 3
	03/14/2024	BID PACKAGE 2
4	04/10/2024	RPBCWD SUBMITTAL
5	04/16/2024	BP2 ADDENDUM 1
6	04/22/2024	BP2 ADDENDUM 2
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL

LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- EASEMENT LINE
- LIMITS OF CONSTRUCTION
- REMOVE STORM SEWER
- REMOVE SANITARY SEWER
- REMOVE WATERMAIN
- REMOVE BITUMINOUS PAVEMENT
- SALVAGE CLAY PAVERS
- REMOVE CONCRETE PAVERS
- REMOVE CONCRETE PAVEMENT
- REMOVE BUILDING
- REMOVE CURB AND GUTTER
- SAWCUT PAVEMENT
- REMOVE SANITARY MANHOLE
- REMOVE STORM SEWER MANHOLE
- REMOVE STORM SEWER INLET
- PHASE 2 REMOVALS
- CONSTRUCTION LIMITS

NOTES

1. SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
2. CONSTRUCTION SITE SHALL HAVE STABILIZED CONSTRUCTION ENTRANCE AT ALL TIMES THROUGHOUT THE DURATION OF THE PROJECT. CONTRACTOR IS ULTIMATELY RESPONSIBLE TO PROTECT DOWNSTREAM WATERS FROM CONSTRUCTION RUNOFF.
3. UNTRENCHED SILT FENCE OR ORANGE SNOW FENCE MAY BE USED FOR TREE PROTECTION.
4. CONSTRUCTION LIMITS AND SILT FENCE SHOWN OFFSET FROM PROPERTY LINE FOR CLARITY, WHERE APPLICABLE.
5. CLEAR AND GRUB AS NEEDED WITHIN GRADING LIMITS.
6. THE CITY OF CHANHASSEN SHALL HAVE FIRST RIGHT OF REFUSAL TO RETAIN ALL SITE FURNISHING: LIGHT POLES, CLAY PAVEMENT (PALLETIZED), PUBLIC ART/SCULPTURES, ATHLETIC AND PARK EQUIPMENT. CONTRACTOR SALVAGED ITEMS TO BE RETAINED BY CITY SHALL BE STOCKPILED ON-SITE FOR CITY USE. COORDINATION WITH CITY AND SALVAGING OF CITY OWNED ITEMS SHALL BE INCIDENTAL TO THE DEMOLITION COSTS. ITEMS NOT SELECTED FOR SALVAGE SHALL BECOME THE OWNERSHIP OF THE CONTRACTOR AND RELATED COSTS TO BE INCLUDED WITH THE CONTRACT.
7. EXISTING SMALL UTILITY SERVICE LINES MAY NOT BE SHOWN IN THEIR ENTIRETY ON PLANS. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITY SERVICE LINES WITHIN THE LIMITS OF DISTURBANCE AND REMOVE EXISTING INFRASTRUCTURE AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS. CONTRACTOR TO COORDINATE WITH UTILITY SERVICE PROVIDER AND ENSURE THAT DRY UTILITY SERVICE LINES ARE PROTECTED THROUGHOUT CONSTRUCTION.
8. FIELD VERIFY EXISTING STORM SEWER AND NOTIFY ENGINEER WITH ANY DISCREPANCIES.
9. THE EROSION CONTROL PLAN MUST INCLUDE THE FOLLOWING NOTES:
 - 9.1. NATURAL TOPOGRAPHY AND SOIL CONDITIONS MUST BE PROTECTED, INCLUDING RETENTION ON-SITE OF NATIVE TOPSOIL TO THE GREATEST EXTENT POSSIBLE.
 - 9.2. ADDITIONAL MEASURES, SUCH AS HYDRAULIC MULCHING AND OTHER PRACTICES AS SPECIFIED BY THE DISTRICT MUST BE USED ON SLOPES OF 3:1 (H:V) OR STEEPER TO PROVIDE ADEQUATE STABILIZATION.
 - 9.3. FINAL SITE STABILIZATION MEASURES MUST SPECIFY THAT AT LEAST SIX INCHES OF TOPSOIL OR ORGANIC MATTER BE SPREAD AND INCORPORATED INTO THE UNDERLYING SOIL DURING FINAL SITE TREATMENT WHEREVER TOPSOIL HAS BEEN REMOVED.
 - 9.4. CONSTRUCTION SITE WASTE SUCH AS DISCARDED BUILDING MATERIALS, CONCRETE TRUCK WASHOUT, CHEMICALS, LITTER AND SANITARY WASTE MUST BE PROPERLY MANAGED.
 - 9.5. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs MUST BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION AND VEGETATION IS ESTABLISHED SUFFICIENTLY TO ENSURE STABILITY OF THE SITE, AS DETERMINED BY THE DISTRICT.
 - 9.6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs MUST BE REMOVED UPON FINAL STABILIZATION.
 - 9.7. SOIL SURFACES COMPACTED DURING CONSTRUCTION AND REMAINING PERVIOUS UPON COMPLETION OF CONSTRUCTION MUST BE DECOMPACTED TO ACHIEVE A SOIL COMPACTION TESTING PRESSURE OF LESS THAN 1,400 KILOPASCALS OR 200 POUNDS PER SQUARE INCH IN THE UPPER 12 INCHES OF THE SOIL PROFILE WHILE TAKING CARE TO PROTECT UTILITIES, TREE ROOTS, AND OTHER EXISTING VEGETATION.
 - 9.8. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 7 CALENDAR DAYS AFTER LAND-DISTURBING WORK HAS TEMPORARILY OR PERMANENTLY CEASED ON A PROPERTY THAT DRAINS TO AN IMPAIRED WATER, WITHIN 14 DAYS ELSEWHERE.
 - 9.9. THE PERMITTEE MUST, AT A MINIMUM, INSPECT, MAINTAIN AND REPAIR ALL DISTURBED SURFACES AND ALL EROSION AND SEDIMENT CONTROL FACILITIES AND SOIL STABILIZATION MEASURES EVERY DAY WORK IS PERFORMED ON THE SITE, AND AT LEAST WEEKLY UNTIL LAND-DISTURBING ACTIVITY HAS CEASED. THEREAFTER, THE PERMITTEE MUST PERFORM THESE RESPONSIBILITIES AT LEAST WEEKLY UNTIL VEGETATIVE COVER IS ESTABLISHED. THE PERMITTEE WILL MAINTAIN A LOG OF ACTIVITIES UNDER THIS SECTION FOR INSPECTION BY THE DISTRICT ON REQUEST.

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Dana
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

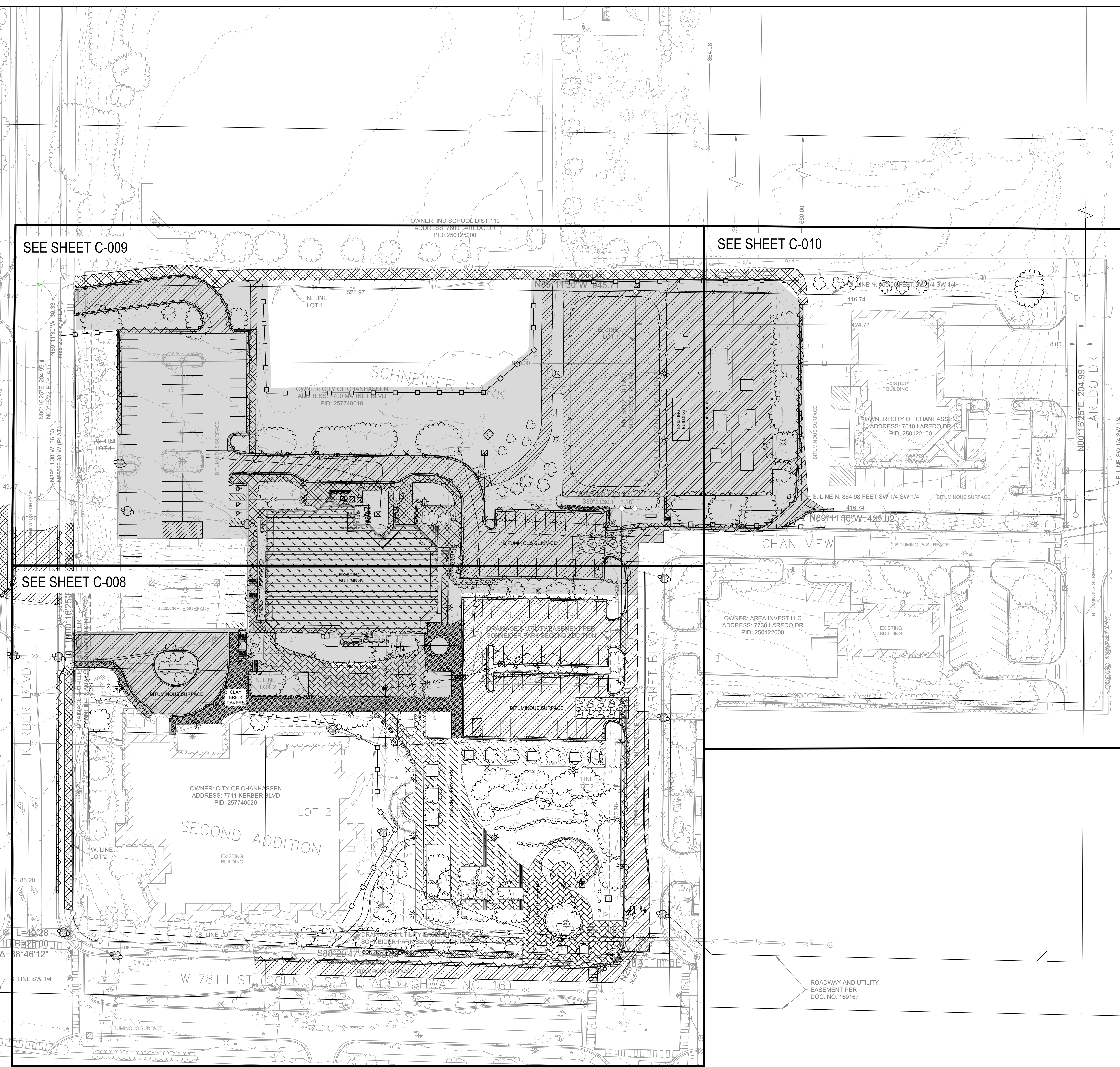
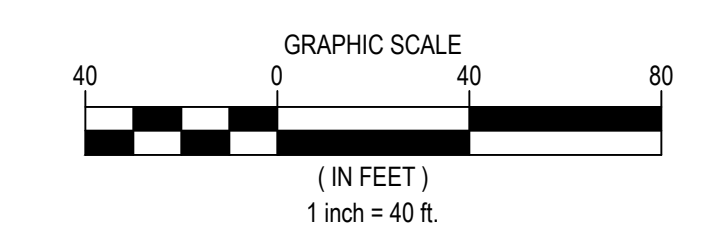
DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ####

SHEET TITLE

**OVERALL REMOVALS &
PRECONSTRUCTION
EROSION CONTROL
PLAN**

SHEET NUMBER

C-007



WARNING:
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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

1440222.dwg (1440222.dwg) - DESIGN, CAD/PLANNING/ENGINEERING/CONSTRUCTION CONTROL PLAN/05/17/2024 MUEHLE, HANEY
 1440222.dwg (1440222.dwg) - DESIGN, CAD/PLANNING/ENGINEERING/CONSTRUCTION CONTROL PLAN/05/17/2024 MUEHLE, HANEY



CHANHASSEN CIVIC CAMPUS

Table with 3 columns: ISSUE #, DATE, DESCRIPTION. Lists revision history for the plan.

NOTES

- 1. SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES
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9.5. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs MUST BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION AND VEGETATION IS ESTABLISHED SUFFICIENTLY TO ENSURE STABILITY OF THE SITE, AS DETERMINED BY THE DISTRICT.
9.6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs MUST BE REMOVED UPON FINAL STABILIZATION.
9.7. SOIL SURFACES COMPACTED DURING CONSTRUCTION AND REMAINING PERVIOUS UPON COMPLETION OF CONSTRUCTION MUST BE DECOMPACTED TO ACHIEVE A SOIL COMPACTION TESTING PRESSURE OF LESS THAN 1,400 KILOPASCALS OR 200 POUNDS PER SQUARE INCH IN THE UPPER 12 INCHES OF THE SOIL PROFILE WHILE TAKING CARE TO PROTECT UTILITIES, TREE ROOTS, AND OTHER EXISTING VEGETATION. ALL DISTURBED AREAS MUST BE STABILIZED WITHIN 7 CALENDAR DAYS AFTER LAND-DISTURBING WORK HAS TEMPORARILY OR PERMANENTLY CEASED ON A PROPERTY THAT DRAINS TO AN IMPAIRED WATER, WITHIN 14 DAYS ELSEWHERE.
9.8. THE PERMITTEE MUST, AT A MINIMUM, INSPECT, MAINTAIN AND REPAIR ALL DISTURBED SURFACES AND ALL EROSION AND SEDIMENT CONTROL FACILITIES AND SOIL STABILIZATION MEASURES EVERY DAY WORK IS PERFORMED ON THE SITE AND AT LEAST WEEKLY UNTIL LAND-DISTURBING ACTIVITY HAS CEASED. THEREAFTER, THE PERMITTEE MUST PERFORM THESE RESPONSIBILITIES AT LEAST WEEKLY UNTIL VEGETATIVE COVER IS ESTABLISHED. THE PERMITTEE WILL MAINTAIN A LOG OF ACTIVITIES UNDER THIS SECTION FOR INSPECTION BY THE DISTRICT ON REQUEST.

KEYNOTES

- 1. REMOVAL ITEMS
1.1. SAWCUT PAVEMENT
1.2. REMOVE BITUMINOUS PAVEMENT
1.3. REMOVE CONCRETE PAVEMENT
1.4. REMOVE CURB AND GUTTER
1.5. REMOVE TREES
1.6. REMOVE AND RELOCATE EXISTING GAS MAIN - COORDINATE WITH GAS UTILITY COMPANY
1.7. REMOVE LIGHT POLE FOOTING AND APPURTENANCES
1.8. REMOVE BUILDING STRUCTURE AND FOUNDATIONS
1.9. REMOVE EXISTING WATER MAIN AND APPURTENANCES
1.10. REMOVE EXISTING SANITARY SEWER AND STRUCTURES
1.11. REMOVE EXISTING STORM SEWER AND STRUCTURES
1.12. SALVAGE EXISTING SKATE PARK EQUIPMENT
1.13. REMOVE EXISTING FLAG POLE
1.14. REMOVE EXISTING TRANSFORMER AND UTILITY PEDESTAL
1.15. REMOVE EXISTING RETAINING WALLS
1.16. SALVAGE LANDSCAPE ROCK - SEE NOTE 5, THIS SHEET
1.17. SALVAGE CLAY PAVERS - SEE NOTE 5, THIS SHEET
1.18. REMOVE EXISTING ELECTRICAL UTILITIES AND APPURTENANCES
1.19. REMOVE VALLEY GUTTER
1.20. REMOVE EXISTING CONCRETE APRON
1.21. REMOVE STAIRS - COORDINATE WITH STRUCTURAL ENGINEER
1.22. REMOVE CONCRETE PAVEMENT AND BENCH
1.23. REMOVE CONCRETE PAVEMENT AND PICNIC TABLE
1.24. SALVAGE BIKE PARKING POST - SEE NOTE 5, THIS SHEET
1.25. REMOVE CONCRETE PAVERS
1.26. SALVAGE FLAG POLE
1.27. REMOVE SIGN
1.28. SALVAGE LIGHT POLE
1.29. REMOVE MONUMENT
1.30. REMOVE AND PRESERVE EXISTING VEGETATION
1.31. REMOVE FENCE
1.32. SALVAGE WOODEN HOCKEY RINK DASHERBOARDS
1.33. SALVAGE SKATE PARK RAILING AND FOOTING
1.34. BULKHEAD PIPE CONNECTIONS TO BE REMOVED
1.35. REMOVE LIGHT POLE FOOTINGS AND APPURTENANCES - COORDINATE WITH STRUCTURAL ENGINEER
2. PROTECT ITEMS
2.1. PROTECT BUILDING STRUCTURE
2.2. PROTECT EXISTING WATER MAIN AND APPURTENANCES
2.3. PROTECT EXISTING SANITARY SEWER AND STRUCTURES
2.4. PROTECT EXISTING STORM SEWER AND STRUCTURES
2.5. PROTECT EXISTING SMALL UTILITIES AND STRUCTURES
2.6. PROTECT EXISTING BITUMINOUS PAVEMENT
2.7. PROTECT EXISTING CONCRETE PAVEMENT
2.8. PROTECT EXISTING LIGHT POLE
2.9. PROTECT EXISTING MONUMENT
2.10. PROTECT AND PRESERVE EXISTING UTILITIES DURING PHASE 1
2.11. PROTECT TREE - SEE NOTE 2, THIS SHEET
2.12. PROTECT EXISTING RETAINING WALL
2.13. PROTECT EXISTING TRANSFORMER
2.14. PROTECT EXISTING TREE
3. EROSION CONTROL ITEMS
3.1. INLET PROTECTION - SEE DETAIL 4IC-803
3.2. SILT FENCE - SEE DETAIL S300C-803
3.3. ROCK CONSTRUCTION ENTRANCE - SEE DETAIL S301C-803

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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

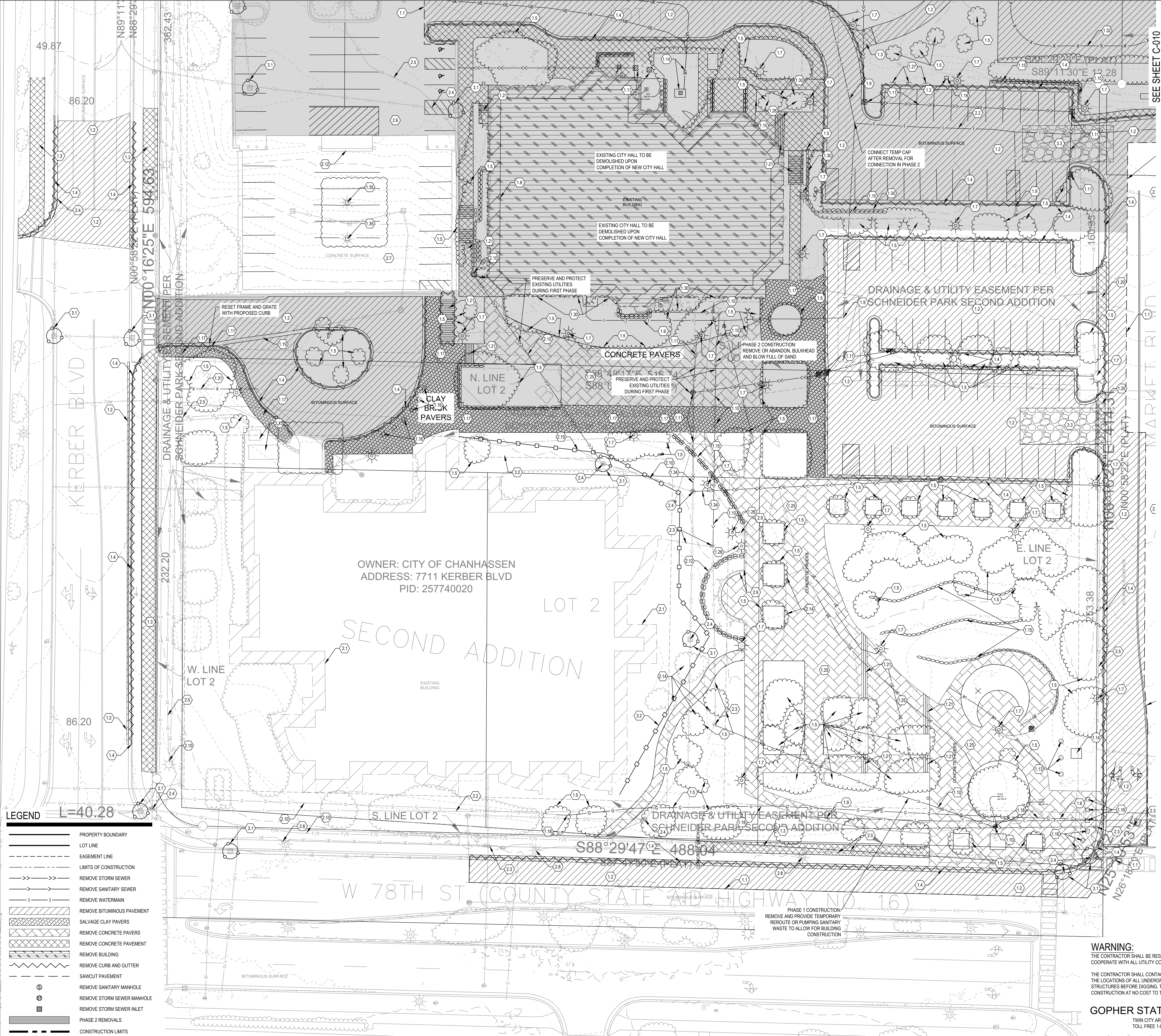
CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

PHASE 1 REMOVALS & PRECONSTRUCTION EROSION CONTROL PLAN

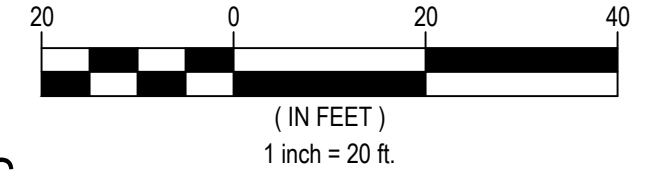
SHEET NUMBER
C-008



LEGEND
PROPERTY BOUNDARY
LOT LINE
EASEMENT LINE
LIMITS OF CONSTRUCTION
REMOVE STORM SEWER
REMOVE SANITARY SEWER
REMOVE WATERMAIN
REMOVE BITUMINOUS PAVEMENT
REMOVE CONCRETE PAVERS
REMOVE CONCRETE PAVEMENT
REMOVE BUILDING
REMOVE CURB AND GUTTER
SAWCUT PAVEMENT
REMOVE SANITARY MANHOLE
REMOVE STORM SEWER MANHOLE
REMOVE STORM SEWER INLET
PHASE 2 REMOVALS
CONSTRUCTION LIMITS

OWNER: CITY OF CHANHASSEN
ADDRESS: 7711 KERBER BLVD
PID: 257740020

SEE SHEET C-010



LEGEND L=40.28

- PROPERTY BOUNDARY
LOT LINE
EASEMENT LINE
LIMITS OF CONSTRUCTION
REMOVE STORM SEWER
REMOVE SANITARY SEWER
REMOVE WATERMAIN
REMOVE BITUMINOUS PAVEMENT
REMOVE CONCRETE PAVERS
REMOVE CONCRETE PAVEMENT
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REMOVE CURB AND GUTTER
SAWCUT PAVEMENT
REMOVE SANITARY MANHOLE
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REMOVE STORM SEWER INLET
PHASE 2 REMOVALS
CONSTRUCTION LIMITS

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/23/2024	BP1_ADDENDUM 1
3	02/27/2024	BP1_ADDENDUM 2
4	03/14/2024	BP1_ADDENDUM 3
5	03/29/2024	BP2_ADDENDUM 1
6	04/10/2024	BP2_ADDENDUM 2
7	04/22/2024	BP2_ADDENDUM 3
8	05/10/2024	CITY REVIEW
9	05/14/2024	CONFORM SET
10	05/17/2024	RPBCWD RESUBMITTAL

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES
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- EXISTING SMALL UTILITY SERVICE LINES MAY NOT BE SHOWN IN THEIR ENTIRETY ON PLANS. CONTRACTOR TO VERIFY LOCATIONS OF EXISTING UTILITY SERVICE LINES WITHIN THE LIMITS OF DISTURBANCE AND REMOVE EXISTING INFRASTRUCTURE AS NECESSARY TO INSTALL PROPOSED IMPROVEMENTS. CONTRACTOR TO COORDINATE WITH UTILITY SERVICE PROVIDER AND ENSURE THAT DRY UTILITY SERVICE LINES ARE PROTECTED THROUGHOUT CONSTRUCTION.
- FIELD VERIFY EXISTING STORM SEWER AND NOTIFY ENGINEER WITH ANY DISCREPANCIES
- THE EROSION CONTROL PLAN MUST INCLUDE THE FOLLOWING NOTES:
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 - SALVAGE WOODEN HOCKEY RINK DASHBOARD
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 - REMOVE EXISTING RETAINING WALLS TO BE REMOVED
 - REMOVE LIGHT POLE FOOTING AND APPURTENANCES - COORDINATE WITH STRUCTURAL ENGINEER
- PROTECT ITEMS
 - PROTECT BUILDING STRUCTURE
 - PROTECT EXISTING WATER MAIN AND APPURTENANCES
 - PROTECT EXISTING SANITARY SEWER AND STRUCTURES
 - PROTECT EXISTING STORM SEWER AND STRUCTURES
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 - PROTECT EXISTING MONUMENT
 - PROTECT AND PRESERVE EXISTING UTILITIES DURING PHASE 1
 - PROTECT TREE - SEE NOTE 2, THIS SHEET
 - PROTECT EXISTING RETAINING WALL
 - PROTECT EXISTING TRANSFORMER
 - PROTECT EXISTING TREE
- EROSION CONTROL ITEMS
 - INLET PROTECTION - SEE DETAIL 4IC-803
 - SILT FENCE - SEE DETAIL S300C-803
 - ROCK CONSTRUCTION ENTRANCE - SEE DETAIL S301C-803

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GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

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Daniel Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

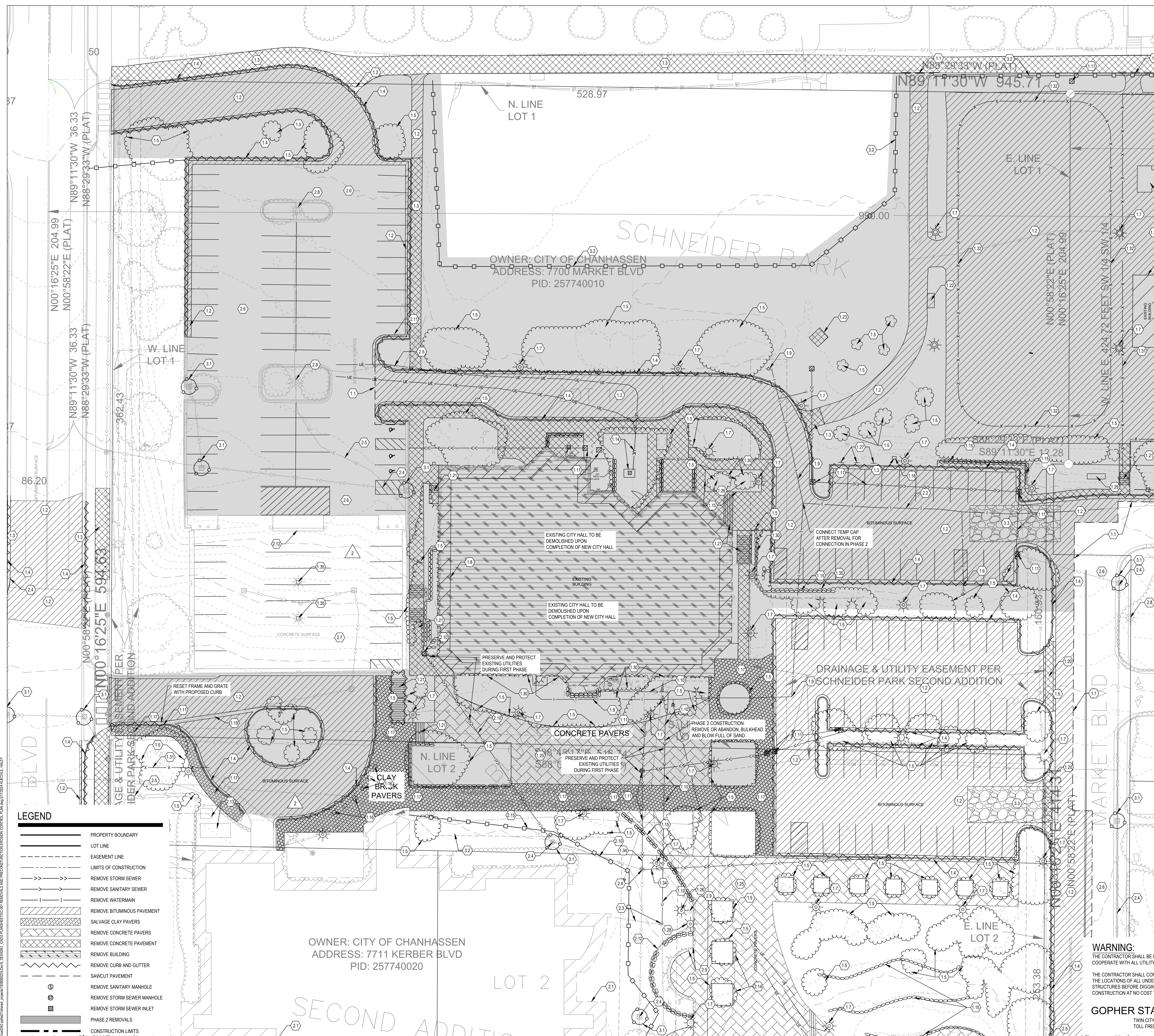
DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##

SHEET TITLE

**PHASE 2 REMOVALS &
PRECONSTRUCTION
EROSION CONTROL
PLAN**

SHEET NUMBER

C-009



LEGEND

	PROPERTY BOUNDARY
	LOT LINE
	EASEMENT LINE
	LIMITS OF CONSTRUCTION
	REMOVE STORM SEWER
	REMOVE SANITARY SEWER
	REMOVE WATERMAIN
	REMOVE BITUMINOUS PAVEMENT
	SALVAGE CLAY PAVERS
	REMOVE CONCRETE PAVERS
	REMOVE CONCRETE PAVEMENT
	REMOVE BUILDING
	REMOVE CURB AND GUTTER
	SAWCUT PAVEMENT
	REMOVE SANITARY MANHOLE
	REMOVE STORM SEWER MANHOLE
	REMOVE STORM SEWER INLET
	PHASE 2 REMOVALS
	CONSTRUCTION LIMITS

OWNER: CITY OF CHANHASSEN
ADDRESS: 7711 KERBER BLVD
PID: 257740020



**CHANHASSEN
CIVIC CAMPUS**

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/23/2024	BP1 ADDENDUM 1
3	02/27/2024	BP1 ADDENDUM 2
4	03/14/2024	BP1 ADDENDUM 3
4	03/14/2024	BID PACKAGE 2
5	03/29/2024	RPBCWD SUBMITTAL
6	04/10/2024	BP2 ADDENDUM 1
5	04/16/2024	BP2 ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
8	05/17/2024	RPBCWD RESUBMITTAL

NOTES

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KEYNOTES

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 - SAWCUT PAVEMENT
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 - REMOVE LIGHT POLE FOOTINGS AND APPURTENANCES - COORDINATE WITH STRUCTURAL ENGINEER
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 - PROTECT EXISTING TRANSFORMER
 - PROTECT EXISTING TREE
- EROSION CONTROL ITEMS
 - INLET PROTECTION - SEE DETAIL 41C-003
 - SILT FENCE - SEE DETAIL 5300C-803
 - ROCK CONSTRUCTION ENTRANCE - SEE DETAIL 5301C-803

LEGEND

- PROPERTY BOUNDARY
- LOT LINE
- - - EASEMENT LINE
- - - LIMITS OF CONSTRUCTION
- - - REMOVE STORM SEWER
- - - REMOVE SANITARY SEWER
- - - REMOVE WATERMAIN
- - - REMOVE BITUMINOUS PAVEMENT
- - - SALVAGE CLAY PAVERS
- - - REMOVE CONCRETE PAVERS
- - - REMOVE CONCRETE PAVEMENT
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- - - REMOVE CURB AND GUTTER
- - - SAWCUT PAVEMENT
- ⊙ REMOVE SANITARY MANHOLE
- ⊕ REMOVE STORM SEWER MANHOLE
- ⊖ REMOVE STORM SEWER INLET
- █ PHASE 2 REMOVALS
- - - CONSTRUCTION LIMITS

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TOLL FREE 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

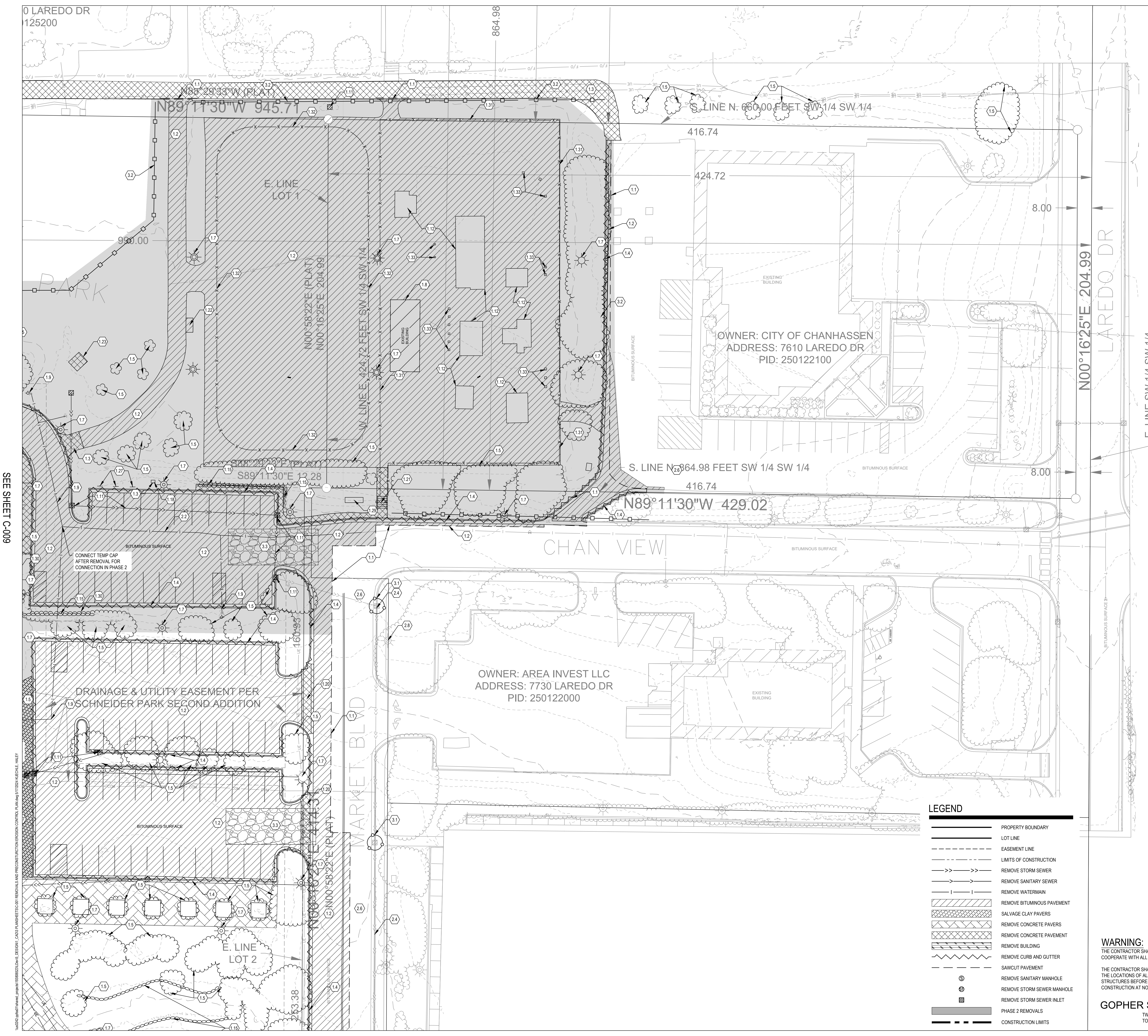
Daniel Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

SHEET TITLE

PHASE 2 REMOVALS & PRECONSTRUCTION EROSION CONTROL PLAN

SHEET NUMBER

C-010



SEE SHEET C-009

UNLAWFUL TO CONSTRUCT WITHOUT THE NECESSARY PERMITS AND PRECONSTRUCTION EROSION CONTROL PLAN AND STORM WATER MANAGEMENT PLAN.

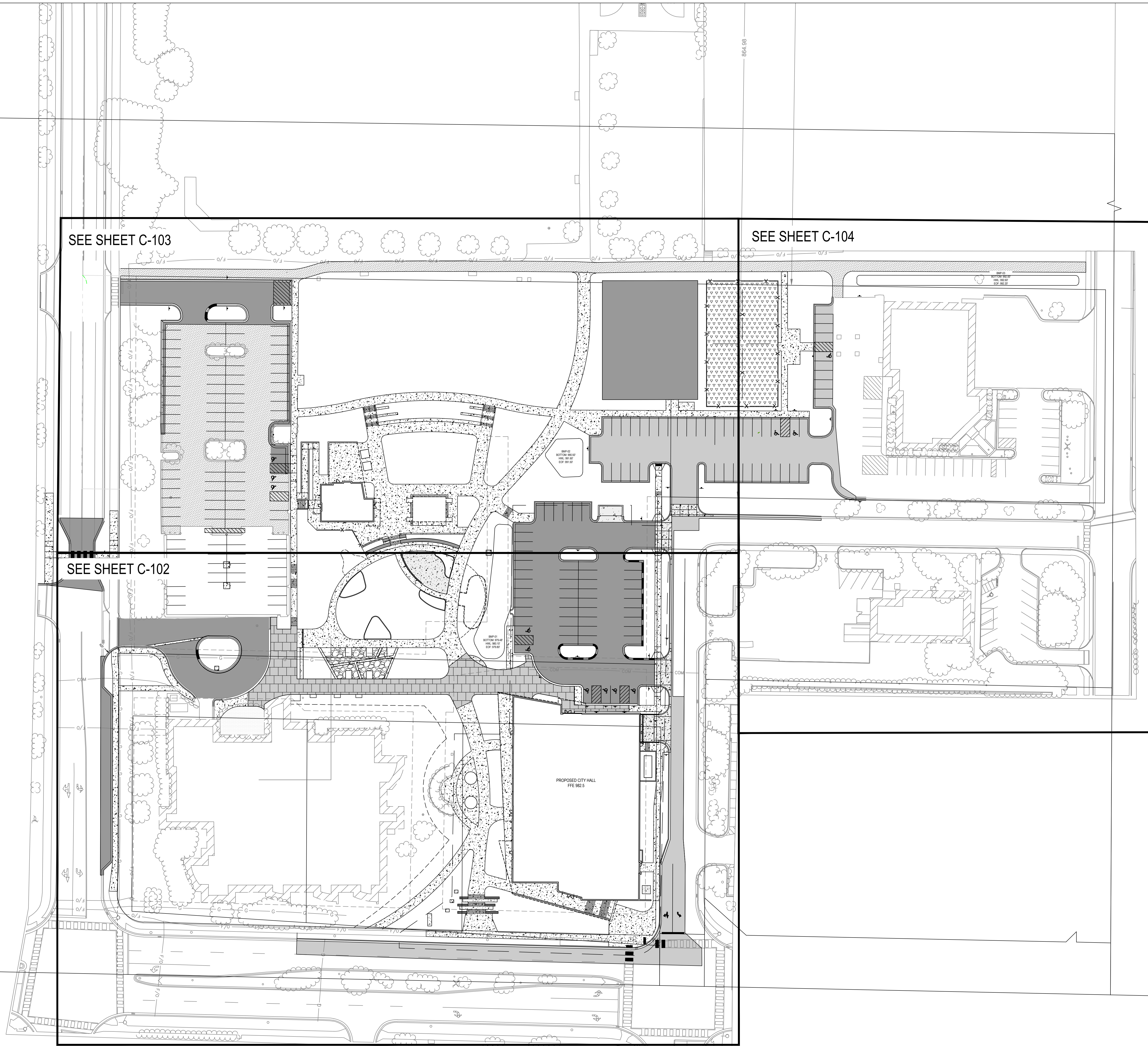
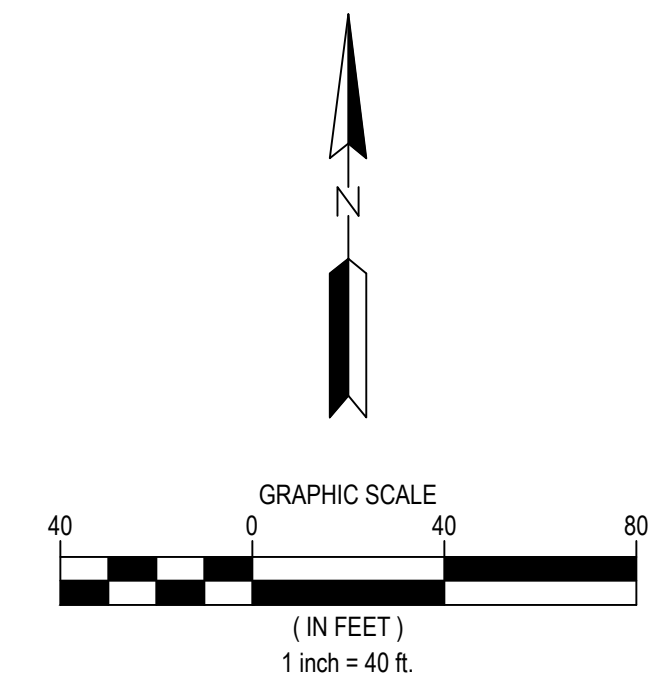
ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
1	02/13/2024	BP1_ADDENDUM 1
2	02/23/2024	BP1_ADDENDUM 2
3	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
4	03/28/2024	RPBCWD SUBMITTAL
4	04/10/2024	BP2_ADDENDUM 1
5	04/16/2024	BP2_ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL

LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER
- CURB AND GUTTER TIP OUT
- RIBBON CURB
- BITUMINOUS PAVEMENT
- MATCH EXISTING PAVEMENT
- BITUMINOUS TRAIL PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- HEATED CONCRETE SIDEWALK
- PICKLEBALL COURT (SEE LANDSCAPE PLANS)
- FENCE
- PROPOSED PARKING COUNT
- RETAINING WALL BY OTHERS
- DECOMPOSED GRANITE

NOTES

1. SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
2. ALL DIMENSIONS ARE TO FACE OF CURB UNLESS OTHERWISE NOTED.
3. DESIGN BY OTHERS ITEMS SHOWN FOR REFERENCE ONLY. EXACT LOCATION, DETAIL, AND DESIGN BY OTHERS. COORDINATE WITH PROJECT PARTNERS TO OBTAIN RELATED CONSTRUCTION DOCUMENTS/DRAWINGS.
4. SEE LANDSCAPE AND ARCHITECTURAL DRAWINGS AND DETAILS FOR BOLLARDS.



CERTIFICATION

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Dave
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###
SHEET TITLE

OVERALL SITE PLAN

SHEET NUMBER

C-101

WARNING:

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THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

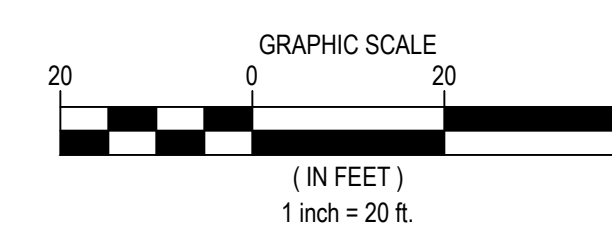
GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166



ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1 ADDENDUM 1
3	02/23/2024	BP1 ADDENDUM 2
4	02/27/2024	BP1 ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/29/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2 ADDENDUM 1
8	04/16/2024	BP2 ADDENDUM 2
9	04/22/2024	RPBCWD RESUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPBCWD RESUBMITTAL

SEE SHEET C-104



LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER
- CURB AND GUTTER TIP OUT
- RIBBON CURB
- BITUMINOUS PAVEMENT
- MATCH EXISTING PAVEMENT
- BITUMINOUS TRAIL PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- HEATED CONCRETE SIDEWALK
- PICKLEBALL COURT (SEE LANDSCAPE PLANS)
- FENCE
- PROPOSED PARKING COUNT
- RETAINING WALL BY OTHERS
- DECOMPOSED GRANITE

NOTES

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- SEE LANDSCAPE AND ARCHITECTURAL DRAWINGS AND DETAILS FOR BOLLARDS.

KEYNOTES

- STANTEC DESIGN ITEM
 - MATCH EXISTING
 - CONCRETE SIDEWALK - SEE DETAIL 5214/C-802
 - CONCRETE PAVEMENT - SEE DETAIL 1/C-803
 - BITUMINOUS PAVEMENT - SEE DETAIL 3/C-803
 - B&I2 CURB AND GUTTER - SEE DETAIL 5203/C-802
 - 4" WHITE PAINT STRIPE (TYP.) - SEE DETAIL 3/C-803
 - CROSS WALK (TYP.) - MATCH EXISTING CROSS WALK
 - TRENCH DRAIN - SEE DETAIL 1/C-804
 - TRENCH DRAIN 1 - SEE DETAIL 1/C-804
 - TRENCH DRAIN 2 - SEE DETAIL 2/C-804
 - TRENCH DRAIN 3 - SEE DETAIL 3/C-804
 - CONCRETE DRIVEWAY APRON - SEE DETAIL PLATE NO. 5207, SHEET C-802
 - CONCRETE VALLEY GUTTER - SEE DETAIL PLATE NO. 5206, SHEET C-802
 - SURROUNDABLE CURB AND GUTTER - SEE DETAIL PLATE NO. 5203/C-802
 - B&I2 TIP OUT CURB AND GUTTER - SEE DETAIL 7/C-803
 - CURB RAMPS - SEE STANDARD PLATES 5-297,299 SHEET 1-4/C-805 AND SHEET 5-6/C-806
 - VAN ACCESSIBLE PARKING STALL WITH ACCESS AISLE AND SIGN - SEE DETAILS 3/C-803 AND 1.2.3.4/C-806
 - ADA ACCESSIBLE AISLE AND SIGN - SEE DETAILS 3/C-803 AND 1.3.4/C-806
 - ADA ACCESSIBLE AISLE WITHOUT SIGN - SEE DETAILS 3/C-803 AND 3/C-806
 - NOT USED
 - PAINTED PAVEMENT MARKINGS - SEE DETAIL 3/C-803
 - PAINTED STOP BAR - SEE DETAIL 3/C-803
 - B&I8 CURB AND GUTTER - SEE DETAIL PLATE NO. 5203/C-802
 - CURB TRANSITION
 - MATCH EXISTING PAVEMENT SECTION - SEE DETAIL 5202A/C-807
 - MILL 1.5" AND OVERLAY NEW WEAR COURSE
 - BITUMINOUS TRAIL PAVEMENT - SEE DETAIL 5216/C-807
 - CURB CUT - SEE DETAIL 8/C-803
 - RIBBON CURB - SEE DETAIL 6/C-803
 - VAN ACCESSIBLE PARKING STALL WITH ACCESS AISLE, SIGN POST, AND BOLLARD - SEE DETAILS 3/C-803 AND 2.3.4.7/C-806
 - ADA ACCESSIBLE PARKING STALL WITH SIGN POST, AND BOLLARD - SEE DETAILS 3/C-803 AND 3.4.7/C-806
 - ADA ACCESSIBLE AISLE WITH SIGN POST AND BOLLARD - SEE DETAILS 3/C-803 AND 3.4.7/C-806
 - 4" YELLOW DOUBLE SOLID PAINT STRIPES (TYP.) - SEE DETAIL 3/C-803
 - NO PARKING SIGN
 - PARK PAVILION GREAT LAWN TURF SECTION - SEE DETAIL 3/C-807
 - BIKE RACK CONCRETE PAD - SEE LANDSCAPE PLANS
 - DESIGN BY OTHERS - SEE NOTE 3
 - PLAYGROUND - SEE LANDSCAPE PLANS
 - PICKLEBALL COURT - SEE LANDSCAPE PLANS
 - STAIRS - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - CHAIN LINK FENCE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - TRASH ENCLOSURE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - STAGE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - SKATE PARK - SEE LANDSCAPE PLANS
 - NOT USED
 - TRANSFORMER - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - DOOR LOCATION - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - RETAINING WALL - SEE ARCHITECTURAL/STRUCTURAL PLANS - SEE LANDSCAPE PLANS FOR RAILING DETAILS. SEE STRUCTURAL FOR WALL DETAILS.
 - EXISTING VETERANS MEMORIAL
 - DRINKING FOUNTAIN - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - PROPOSED MONUMENT - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - CONCRETE PAVEMENT AND FLAG POLE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - EXISTING RETAINING WALL
 - GENERATOR - SEE ELECTRICAL
 - RECTANGULAR RAPID FLASHING BEACON - SEE ELECTRICAL PLANS
 - SEATING BENCH - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - PATCH CONCRETE PAVEMENT - COORDINATE PATCHING AND RESTORATION REQUIREMENTS WITH STRUCTURAL ENGINEER
 - SPLASH PAD CABINET - SEE LANDSCAPE PLANS
 - HEATED SIDEWALK - SEE LANDSCAPE PLANS
 - DECOMPOSED GRANITE - SEE LANDSCAPE PLANS

WARNING:
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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

CERTIFICATION

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Dave
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: #
SHEET TITLE

PHASE 1 SITE PLAN

SHEET NUMBER
C-102

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/29/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPBCWD SUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPBCWD SUBMITTAL

LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER
- CURB AND GUTTER TIP OUT
- RIBBON CURB
- BITUMINOUS PAVEMENT
- MATCH EXISTING PAVEMENT
- BITUMINOUS TRAIL PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- HEATED CONCRETE SIDEWALK
- PICKLEBALL COURT (SEE LANDSCAPE PLANS)
- PROPOSED PARKING COUNT
- RETAINING WALL BY OTHERS
- DECOMPOSED GRANITE

NOTES

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- SEE LANDSCAPE AND ARCHITECTURAL DRAWINGS AND DETAILS FOR BOLLARDS.

KEYNOTES

- STANTEC DESIGN ITEM
 - MATCH EXISTING
 - CONCRETE SIDEWALK - SEE DETAIL 5214/C-802
 - CONCRETE PAVEMENT - SEE DETAIL 1/C-803
 - BITUMINOUS PAVEMENT - SEE DETAIL 3/C-803
 - B612 CURB AND GUTTER - SEE DETAIL 5203/C-802
 - 4" WHITE PAINT STRIPE (TYP.) - SEE DETAIL 3/C-803
 - CROSS WALK (TYP.), MATCH EXISTING CROSS WALK TRENCH DRAIN - SEE DETAIL 1/C-804
 - TRENCH DRAIN 1 - SEE DETAIL 1/C-804
 - TRENCH DRAIN 2 - SEE DETAIL 2/C-804
 - TRENCH DRAIN 3 - SEE DETAIL 3/C-804
 - CONCRETE DRIVEWAY APRON - SEE DETAIL PLATE NO. 5207, SHEET C-802
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 - SURROUNDABLE CURB AND GUTTER - SEE DETAIL PLATE NO. 5203/C-802
 - B612 TIP OUT CURB AND GUTTER - SEE DETAIL 7/C-803
 - CURB RAMPS - SEE STANDARD PLATES 5-297,290 SHEET 1-4/C-805 AND SHEET 5-6/C-806
 - VAN ACCESSIBLE PARKING STALL WITH ACCESS AISLE AND SIGN - SEE DETAILS 3/C-803 AND 1.2.3.4/C-806
 - ADA ACCESSIBLE AISLE AND SIGN - SEE DETAILS 3/C-803 AND 1.3.4/C-806
 - ADA ACCESSIBLE AISLE WITHOUT SIGN - SEE DETAILS 3/C-803 AND 3/C-806
 - NOT USED
 - PAINTED PAVEMENT MARKINGS - SEE DETAIL 3/C-803
 - PAINTED STOP BAR - SEE DETAIL 3/C-803
 - B618 CURB AND GUTTER - SEE DETAIL PLATE NO. 5203/C-802
 - CURB TRANSITION
 - MATCH EXISTING PAVEMENT SECTION - SEE DETAIL 5202A/C-807
 - MIL 1.5" AND OVERLAY NEW WEAR COURSE
 - BITUMINOUS TRAIL PAVEMENT - SEE DETAIL 5216/C-807
 - CURB CUT - SEE DETAIL 8/C-803
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 - 4" YELLOW DOUBLE SOLID PAINT STRIPES (TYP.) - SEE DETAIL 3/C-803
 - NO PARKING SIGN
 - PARK PAVILION GREAT LAWN TURF SECTION - SEE DETAIL 3/C-807
 - BIKE RACK CONCRETE PAD - SEE LANDSCAPE PLANS
- DESIGN BY OTHERS - SEE NOTE 3
 - PLAYGROUND - SEE LANDSCAPE PLANS
 - PICKLEBALL COURT - SEE LANDSCAPE PLANS
 - STAIRS - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - CHAIN LINK FENCE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - TRASH ENCLOSURE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - STAGE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - SKATE PARK - SEE LANDSCAPE PLANS
 - NOT USED
 - TRANSFORMER - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - DOOR LOCATION - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - RETAINING WALL - SEE ARCHITECTURAL/STRUCTURAL PLANS
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 - PROPOSED MONUMENT - SEE ARCHITECTURAL/STRUCTURAL PLANS
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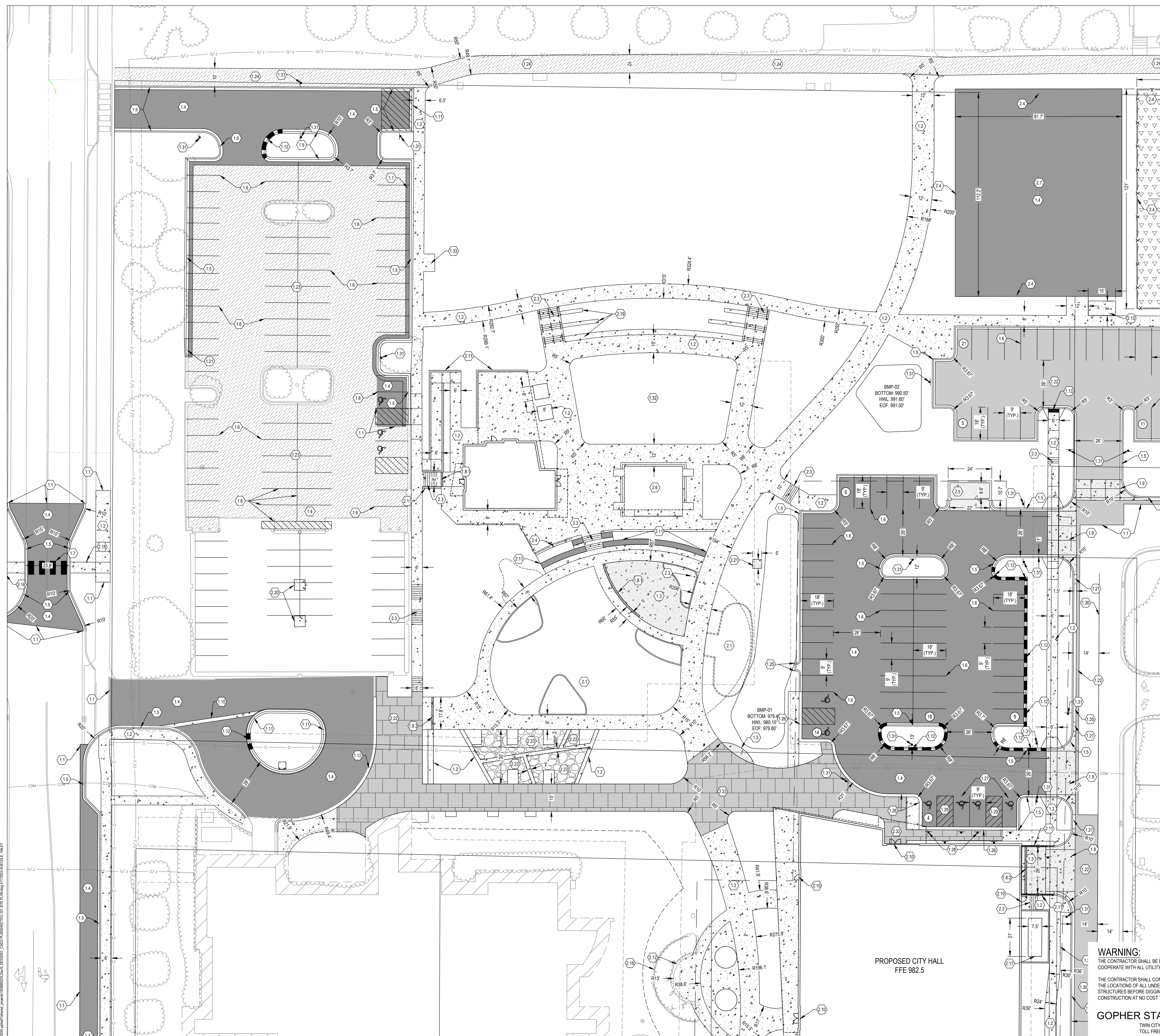
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GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166



SEE SHEET C-104

PROPOSED CITY HALL
FFE 982.5

SEE SHEET C-102

CERTIFICATION

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Dana
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 NORTHWEST
SITE PLAN**

SHEET NUMBER

C-103

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/28/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
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11	05/14/2024	CONFORM SET
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LEGEND

- PROPERTY BOUNDARY
- CURB AND GUTTER
- CURB AND GUTTER TIP OUT
- RIBBON CURB
- BITUMINOUS PAVEMENT
- MATCH EXISTING PAVEMENT
- BITUMINOUS TRAIL PAVEMENT
- CONCRETE SIDEWALK
- CONCRETE PAVEMENT
- HEATED CONCRETE SIDEWALK
- PICKLEBALL COURT (SEE LANDSCAPE PLANS)
- FENCE
- PROPOSED PARKING COUNT
- RETAINING WALL BY OTHERS
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NOTES

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- SEE LANDSCAPE AND ARCHITECTURAL DRAWINGS AND DETAILS FOR BOLLARDS.

KEYNOTES

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 - MATCH EXISTING
 - CONCRETE SIDEWALK - SEE DETAIL 5214/C-802
 - CONCRETE PAVEMENT - SEE DETAIL 1/C-803
 - BITUMINOUS PAVEMENT - SEE DETAIL 3/C-803
 - B612 CURB AND GUTTER - SEE DETAIL 5203/C-802
 - 4" WHITE PAINT STRIPE (TYP.) - SEE DETAIL 3/C-803
 - CROSS WALK (TYP.), MATCH EXISTING CROSS WALK
 - TRENCH DRAIN - SEE DETAIL 1/C-804
 - TRENCH DRAIN 1 - SEE DETAIL 1/C-804
 - TRENCH DRAIN 2 - SEE DETAIL 2/C-804
 - TRENCH DRAIN 3 - SEE DETAIL 3/C-804
 - CONCRETE DRIVEWAY APRON - SEE DETAIL PLATE NO. 5207, SHEET C-802
 - CONCRETE VALLEY GUTTER - SEE DETAIL PLATE NO. 5206, SHEET C-802
 - SURROUNDABLE CURB AND GUTTER - SEE DETAIL PLATE NO. 5203/C-802
 - B612 TIP OUT CURB AND GUTTER - SEE DETAIL 7/C-803
 - CURB RAMPS - SEE STANDARD PLATES 5-297-250 SHEET 1-4/C-805 AND SHEET 5-6/C-806
 - VAN ACCESSIBLE PARKING STALL WITH ACCESS AISLE AND SIGN - SEE DETAILS 3/C-803 AND 1.2.3.4/C-806
 - ADA ACCESSIBLE AISLE AND SIGN - SEE DETAILS 3/C-803 AND 1.3.4/C-806
 - ADA ACCESSIBLE AISLE WITHOUT SIGN - SEE DETAILS 3/C-803 AND 3/C-806
 - NOT USED
 - PAINTED PAVEMENT MARKINGS - SEE DETAIL 3/C-803
 - PAINTED STOP BAR - SEE DETAIL 3/C-803
 - B618 CURB AND GUTTER - SEE DETAIL PLATE NO. 5203/C-802
 - CURB TRANSITION
 - MATCH EXISTING PAVEMENT SECTION - SEE DETAIL 5202A/C-807
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 - 4" YELLOW DOUBLE SOLID PAINT STRIPES (TYP.) - SEE DETAIL 3/C-803
 - NO PARKING SIGN
 - PARK PAVILION GREAT LAWN TURF SECTION - SEE DETAIL 3/C-807
 - BIKE RACK CONCRETE PAD - SEE LANDSCAPE PLANS
- DESIGN BY OTHERS - SEE NOTE 3
 - PLAYGROUND - SEE LANDSCAPE PLANS
 - PICKLEBALL COURT - SEE LANDSCAPE PLANS
 - STAIRS - SEE LANDSCAPE/STRUCTURAL PLANS
 - CHAIN LINK FENCE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - TRASH ENCLOSURE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - STAGE - SEE ARCHITECTURAL/STRUCTURAL PLANS
 - SKATE PARK - SEE LANDSCAPE PLANS
 - NOT USED
 - TRANSFORMER - SEE ARCHITECTURAL/STRUCTURAL PLANS
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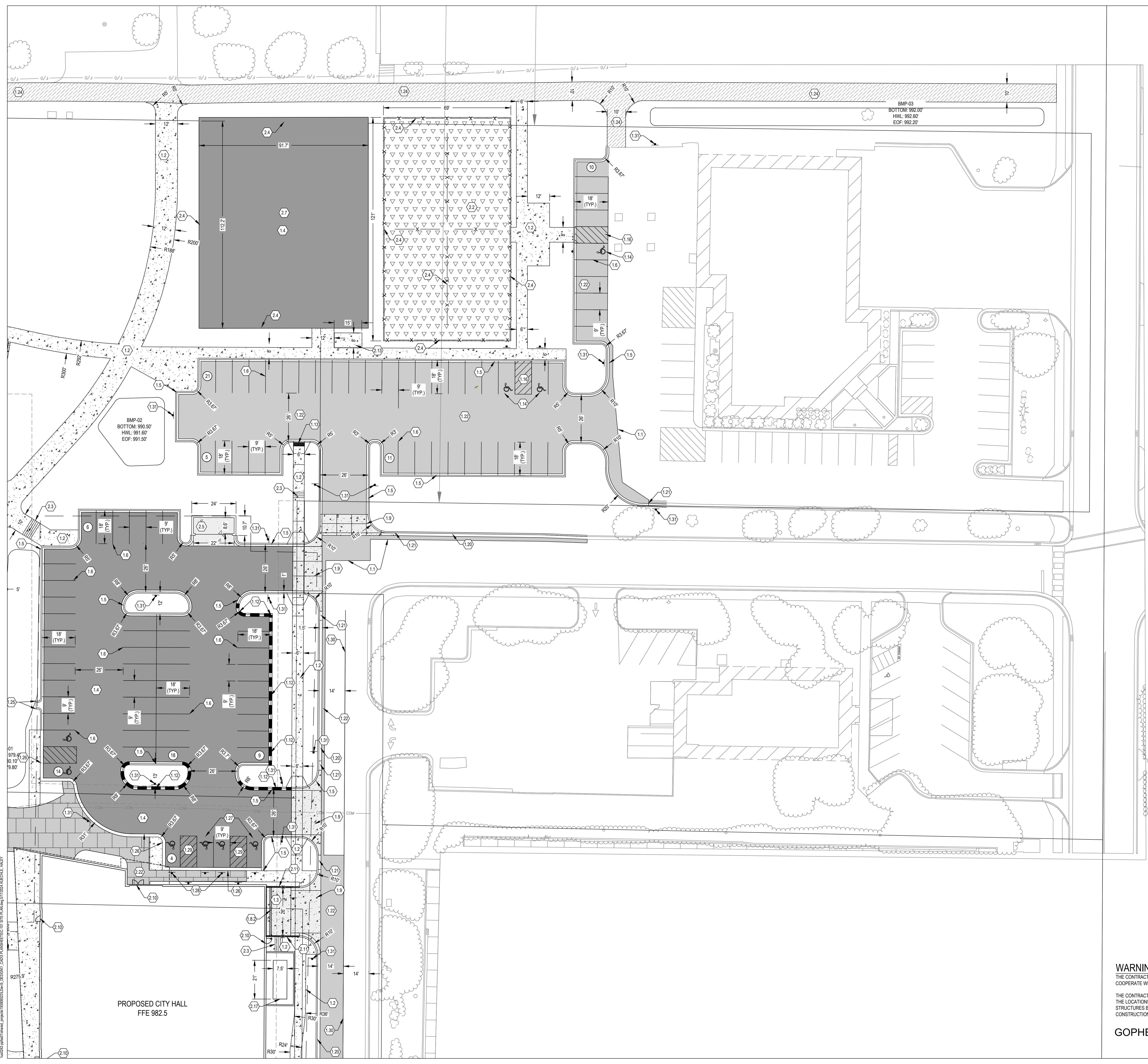
Dana
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 NORTHEAST
SITE PLAN**

SHEET NUMBER

C-104



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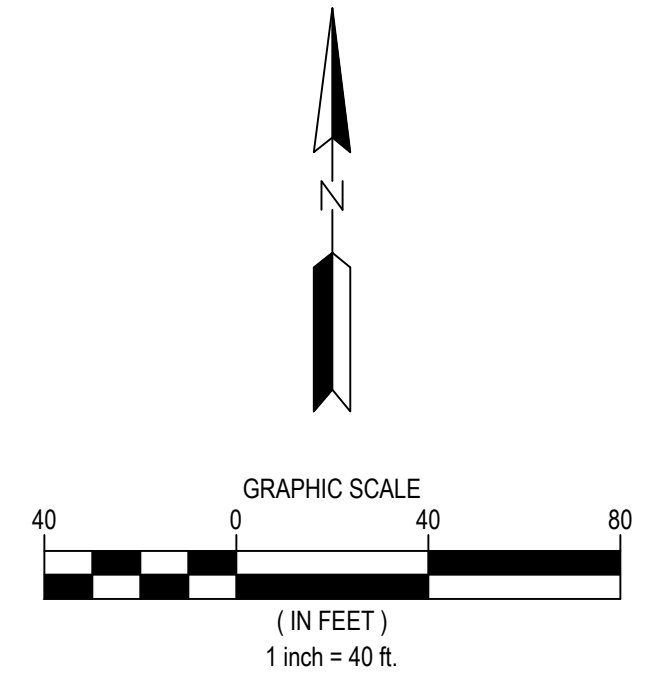
GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

PROPOSED CITY HALL
FFE 982.5

SEE SHEET C-103

\\BKV\BKV\Drawings\Chanhasen\CIVIC CAMPUS\PHASE 2\PHASE 2 NORTHEAST\PHASE 2 NORTHEAST SITE PLAN.dwg (5/17/2024) M. K. HANEY

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
2	02/23/2024	BP1_ADDENDUM 2
3	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
4	03/29/2024	RPBCWD SUBMITTAL
4	04/10/2024	BP2_ADDENDUM 1
5	04/18/2024	BP2_ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL



LEGEND

- PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- CONSTRUCTION LIMITS
- STORM SEWER
- STORM MANHOLE
- STORM CATCH BASIN
- ROCK CONSTRUCTION EXIT
- EROSION CONTROL BLANKET
- PERMANENT STABILIZATION
- SILT FENCE
- INLET PROTECTION
- TREE PROTECTION
- BIOROLL

NOTES

1. SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
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4. THE EROSION CONTROL PLAN MUST INCLUDE THE FOLLOWING NOTES:
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 - 4.5. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs MUST BE MAINTAINED UNTIL COMPLETION OF CONSTRUCTION AND VEGETATION IS ESTABLISHED SUFFICIENTLY TO ENSURE STABILITY OF THE SITE, AS DETERMINED BY THE DISTRICT.
 - 4.6. ALL TEMPORARY EROSION AND SEDIMENT CONTROL BMPs MUST BE REMOVED UPON FINAL STABILIZATION.
 - 4.7. SOIL SURFACES COMPACTED DURING CONSTRUCTION AND REMAINING PERVIOUS UPON COMPLETION OF CONSTRUCTION MUST BE DECOMPACTED TO ACHIEVE A SOIL COMPACTION TESTING PRESSURE OF LESS THAN 1,400 KILOPASCALS OR 200 POUNDS PER SQUARE INCH IN THE UPPER 12 INCHES OF THE SOIL PROFILE WHILE TAKING CARE TO PROTECT UTILITIES, TREE ROOTS, AND OTHER EXISTING VEGETATION.
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CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

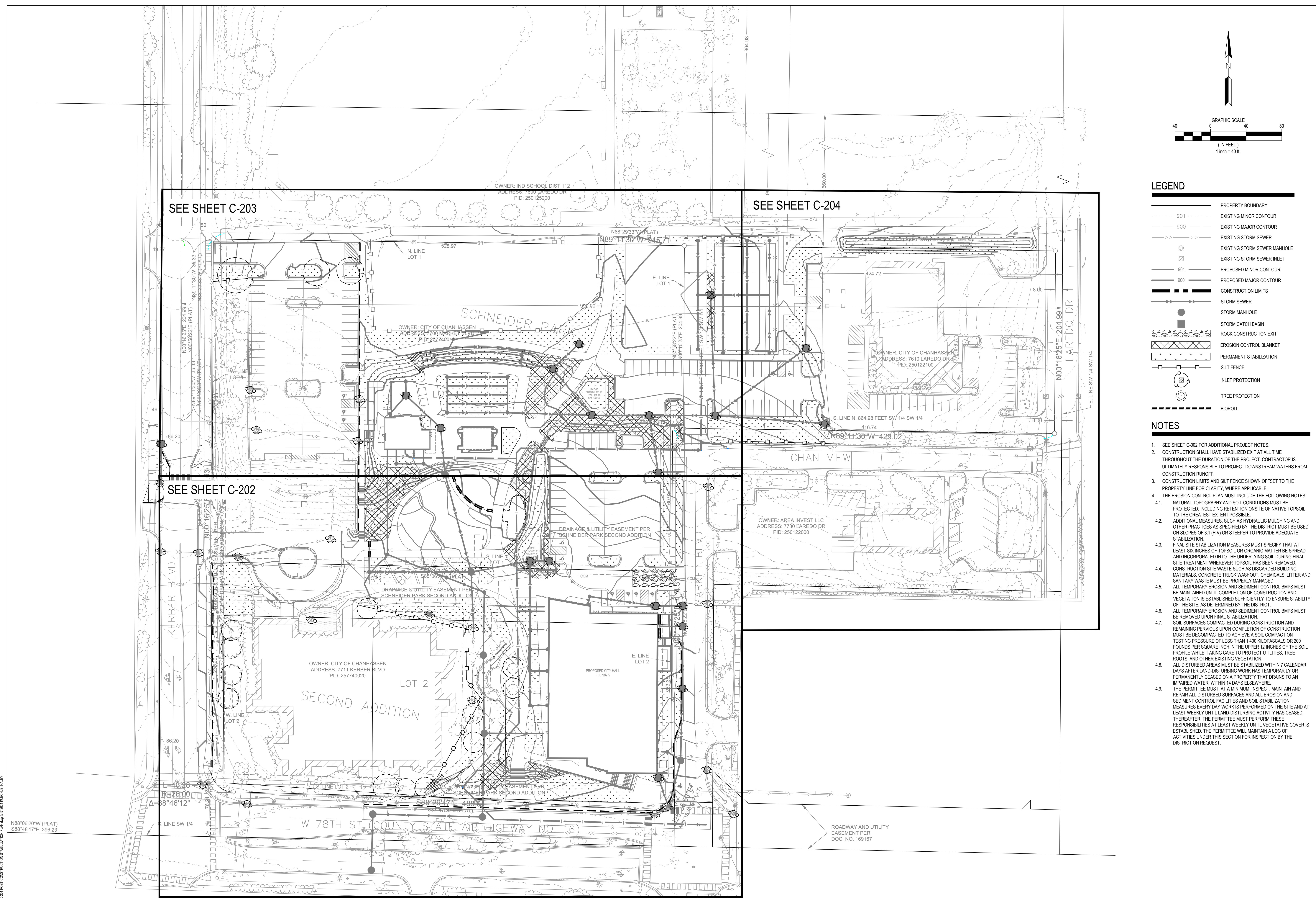
Daniel Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE:

OVERALL POST-CONSTRUCTION STABILIZATION PLAN

SHEET NUMBER

C-201



WARNING:

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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

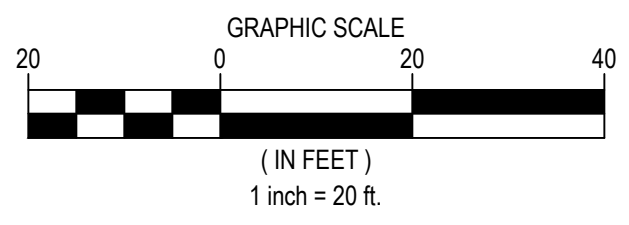
\map2\chanhas\chanhas11\550222\02\POST CONSTRUCTION STABILIZATION PLAN.dwg 5/17/2024 KECHELE, WALEY



**CHANHASSEN
CIVIC CAMPUS**

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
		BID PACKAGE 2
4	03/28/2024	RPBCWD SUBMITTAL
5	04/10/2024	BP2_ADDENDUM 1
5	04/16/2024	BP2_ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
8	05/17/2024	RPBCWD RESUBMITTAL

SEE SHEET C-204



LEGEND

- PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- STORM SEWER
- STORM MANHOLE
- STORM CATCH BASIN
- ROCK CONSTRUCTION EXIT
- EROSION CONTROL BLANKET
- PERMANENT STABILIZATION
- SILT FENCE
- INLET PROTECTION
- TREE PROTECTION
- BIOROLL

NOTES

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KEYNOTES

- INLET PROTECTION - SEE DETAIL 4/C-803
- SILT FENCE - SEE DETAIL 5300/C-803
- ROCK CONSTRUCTION ENTRANCE - SEE DETAIL 5301/C-803
- EROSION CONTROL BLANKET - SEE DETAIL 5/C-803
- PERMANENT STABILIZATION - SEE LANDSCAPE PLAN
- TREE PROTECTION - SEE DETAIL 6/C-806
- BIOROLL - SEE DETAIL 9/C-806

CERTIFICATION

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Dan Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 1
POST-CONSTRUCTION
STABILIZATION PLAN**

**SHEET NUMBER
C-202**

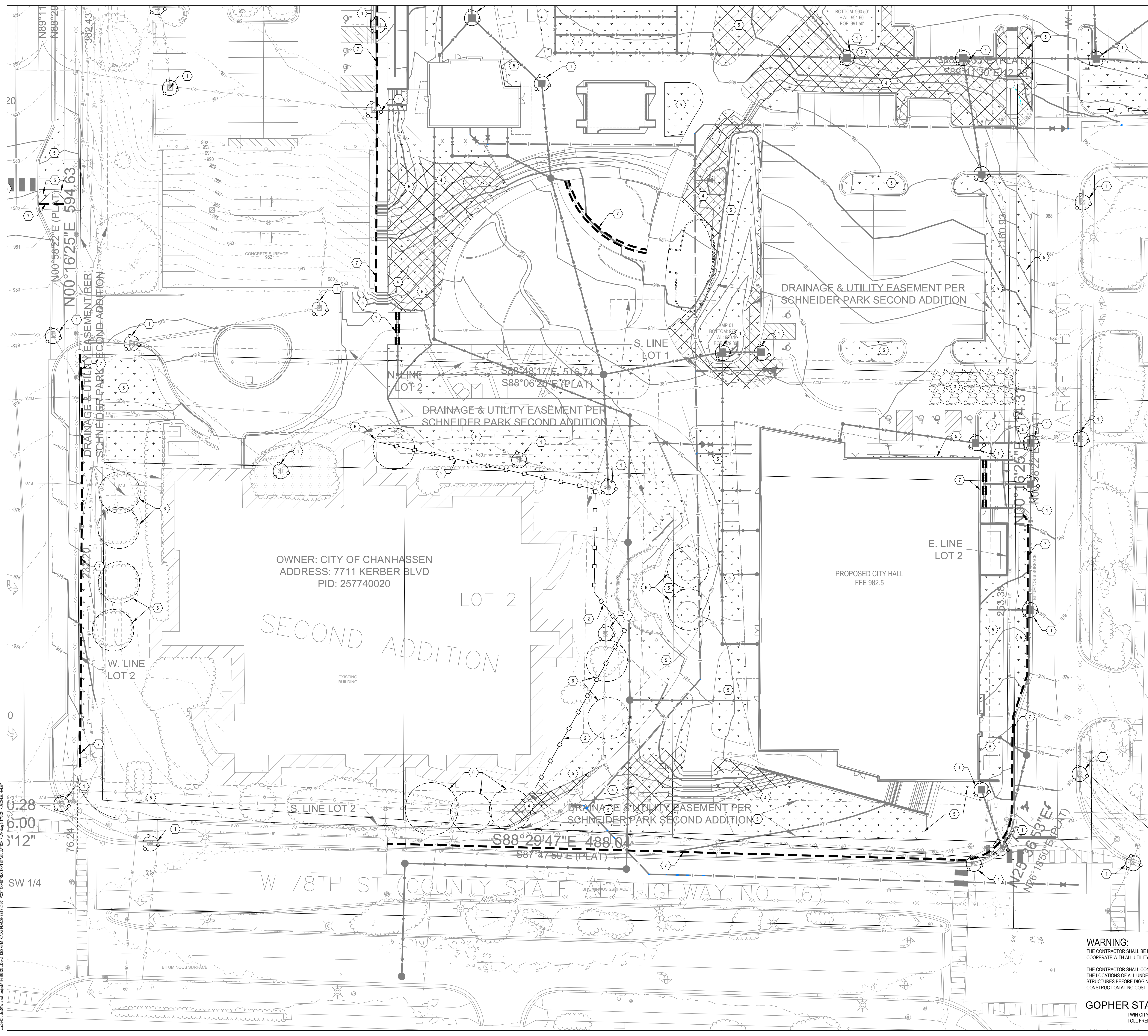
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GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166



OWNER: CITY OF CHANHASSEN
ADDRESS: 7711 KERBER BLVD
PID: 257740020

LOT 2
SECOND ADDITION

DRAINAGE & UTILITY EASEMENT PER
SCHNEIDER PARK SECOND ADDITION

DRAINAGE & UTILITY EASEMENT PER
SCHNEIDER PARK SECOND ADDITION

DRAINAGE & UTILITY EASEMENT PER
SCHNEIDER PARK SECOND ADDITION

W 78TH ST (COUNTY STATE AND HIGHWAY NO. 16)

PROPOSED CITY HALL
FFE 982.5

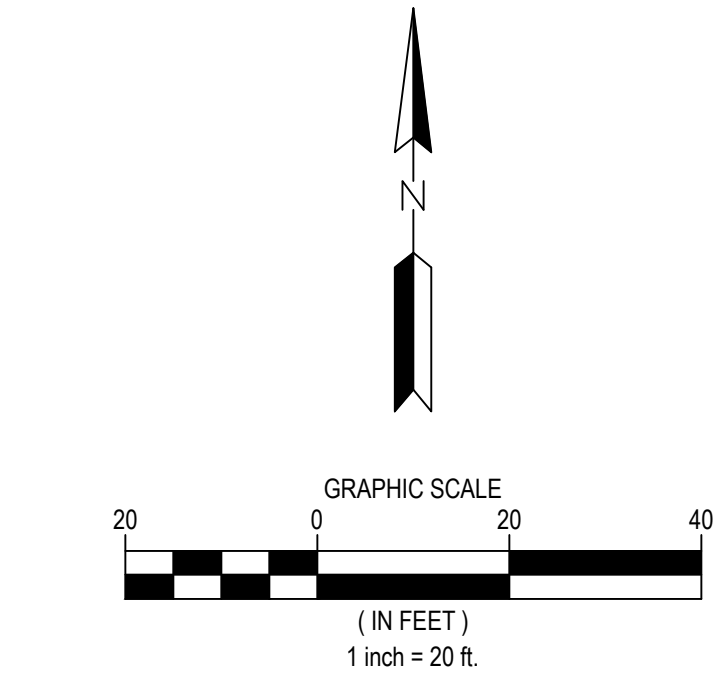
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GOPHER STATE ONE CALL

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TOLL FREE: 1-800-252-1166

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	03/14/2024	BID PACKAGE 2
4	04/10/2024	RPBCVD SUBMITTAL
5	04/16/2024	BP2_ADDENDUM 1
6	04/22/2024	BP2_ADDENDUM 2
7	05/10/2024	RPBCVD RESUBMITTAL
8	05/14/2024	CITY REVIEW
	05/17/2024	CONFORM SET
	05/17/2024	RPBCVD RESUBMITTAL



LEGEND

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- EXISTING MAJOR CONTOUR
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- STORM CATCH BASIN
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KEYNOTES

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2. SILT FENCE - SEE DETAIL 5300/C-803
3. ROCK CONSTRUCTION ENTRANCE - SEE DETAIL 5301/C-803
4. EROSION CONTROL BLANKET - SEE DETAIL 5/C-803
5. PERMANENT STABILIZATION - SEE LANDSCAPE PLAN
6. TREE PROTECTION - SEE DETAIL 6/C-806
7. BIOROLL - SEE DETAIL 5/C-806

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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

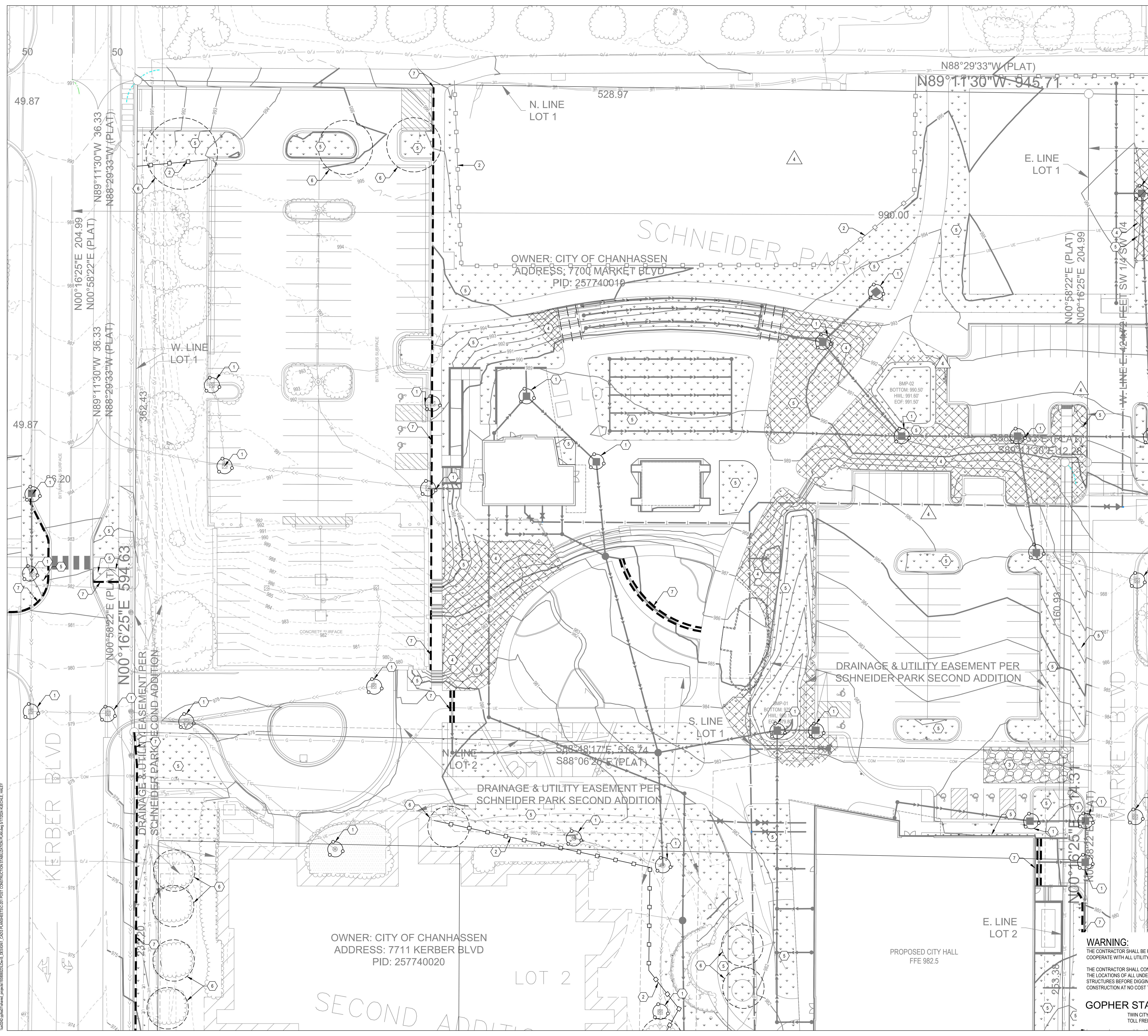
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Dana
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 NORTHWEST
POST-CONSTRUCTION
STABILIZATION PLAN**

SHEET NUMBER
C-203

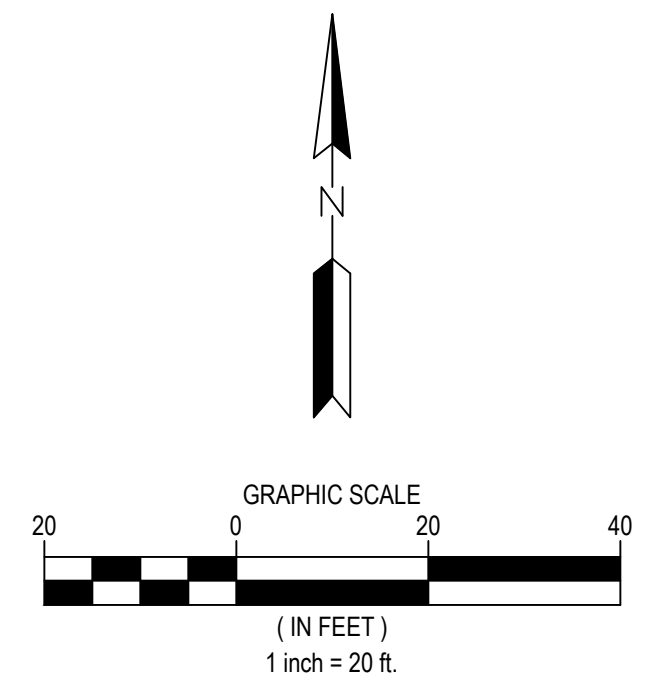


SEE SHEET C-204



**CHANHASSEN
CIVIC CAMPUS**

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/28/2024	RPB/CWD SUBMITTAL
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8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPB/CWD RESUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPB/CWD RESUBMITTAL



LEGEND

- PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STORM SEWER
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
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KEYNOTES

- INLET PROTECTION - SEE DETAIL 4/C-803
- SILT FENCE - SEE DETAIL 5300/C-803
- ROCK CONSTRUCTION ENTRANCE - SEE DETAIL 5301/C-803
- EROSION CONTROL BLANKET - SEE DETAIL 5/C-803
- PERMANENT STABILIZATION - SEE LANDSCAPE PLAN
- TREE PROTECTION - SEE DETAIL 6/C-806
- BIOROLL - SEE DETAIL 5/C-806

CERTIFICATION

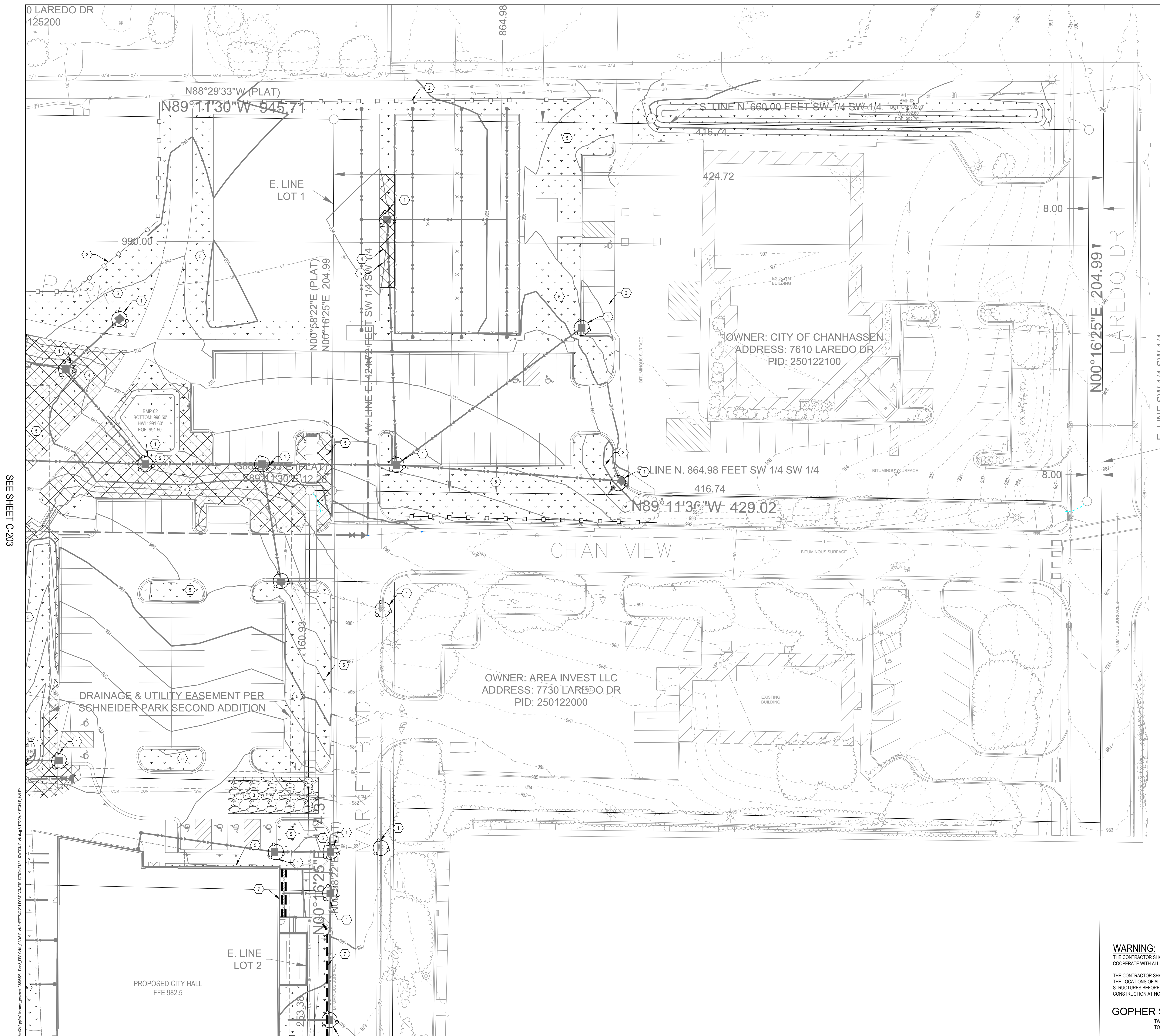
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Dan Lavender
DANIEL LAVENDER
LICENSE NO. 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: #####
SHEET TITLE

**PHASE 2 NORTHEAST
POST-CONSTRUCTION
STABILIZATION PLAN**

SHEET NUMBER

C-204



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

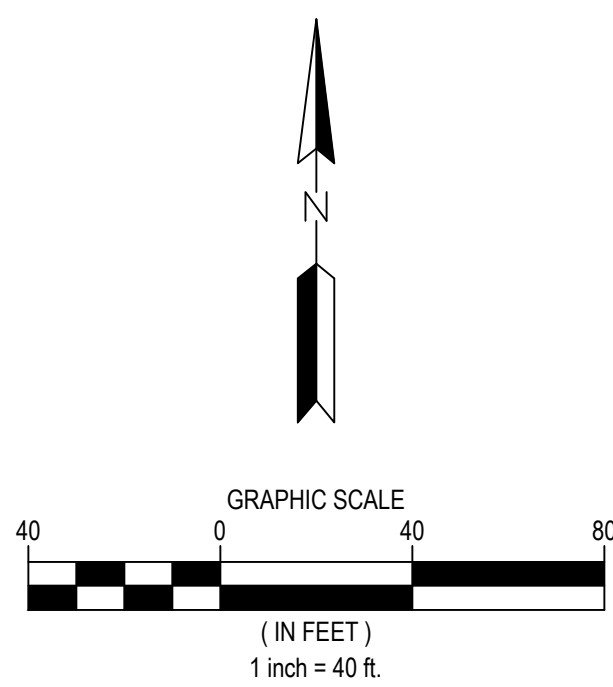
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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

SEE SHEET C-203

\\bkv-gov\shared\land\chanhasseen\chanhasseen\post-construction\stabilization-plan\plan-05/17/2024\KENDRA_HALEY

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
	03/28/2024	RPBCWO SUBMITTAL
5	04/10/2024	BP2_ADDENDUM 1
6	04/16/2024	BP2_ADDENDUM 2
7	04/22/2024	RPBCWO RESUBMITTAL
8	05/10/2024	CITY REVIEW
9	05/14/2024	CONFORM SET
10	05/17/2024	RPBCWO RESUBMITTAL

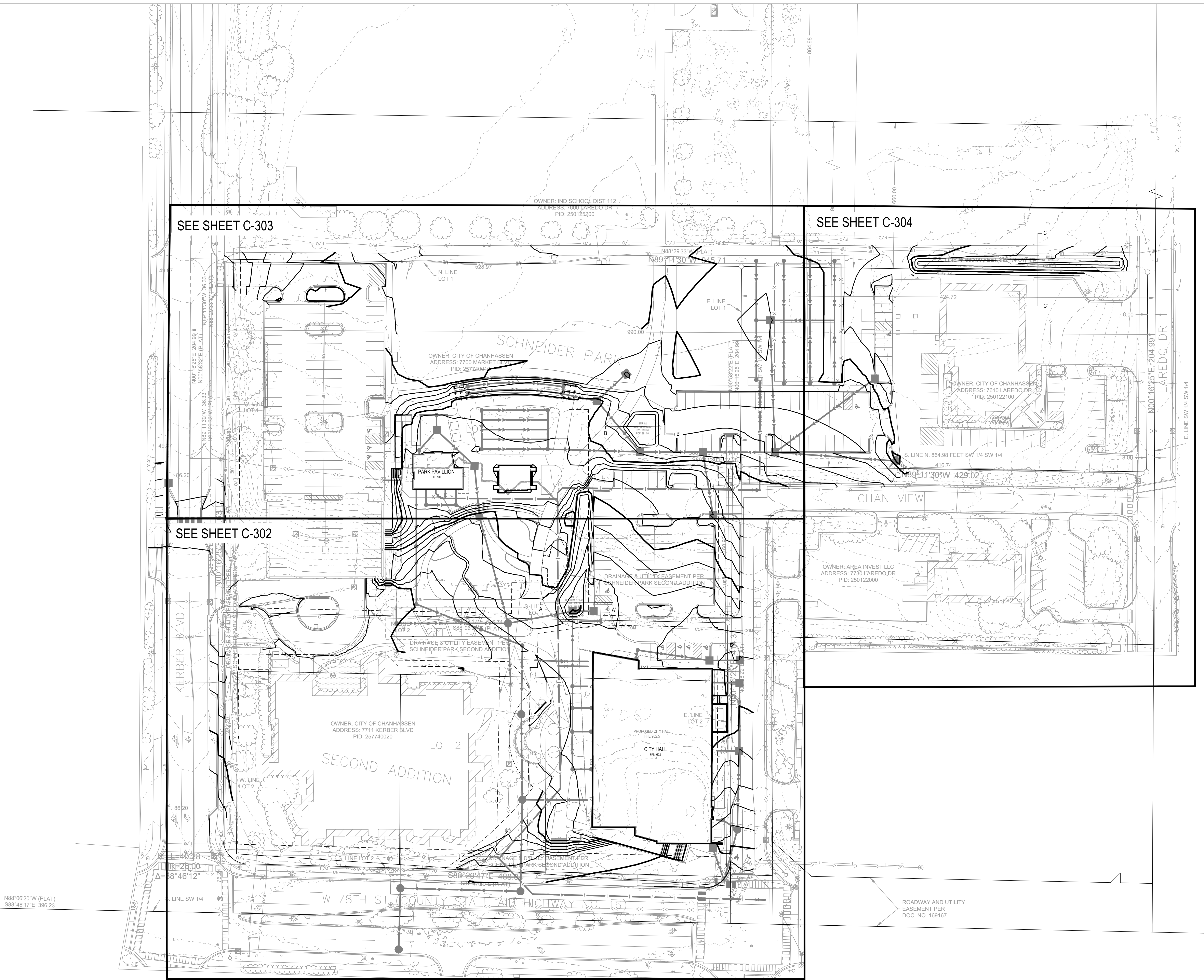


LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- >> EXISTING STORM SEWER
- >> EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING STORM SEWER MANHOLE
- ⊙ EXISTING STORM SEWER INLET
- ⊙ EXISTING HYDRANT
- ⊙ EXISTING WATER VALVE
- 901 PROPOSED MINOR CONTOUR
- - - 900 PROPOSED MAJOR CONTOUR
- GRADING LIMITS
- 1.00% SURFACE GRADE & FLOW DIRECTION
- 3.0:1 SURFACE SLOPE (H:V) & FLOW DIRECTION
- >> STORM SEWER
- >> DRAIN TILE
- >> SANITARY SEWER
- WATERMAIN
- ⊙ STORM MANHOLE
- ⊙ STORM CATCH BASIN
- ⊙ FLARED END SECTION
- ⊙ STORM CLEANOUT
- ⊙ SANITARY MANHOLE
- ⊙ CLEANOUT
- ⊙ HYDRANT
- ⊙ GATE VALVE
- ⊙ CURB STOP
- ⊙ REDUCER

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- EXISTING SPOT ELEVATIONS AT MATCH POINTS ARE BASED ON POINT TO POINT SURVEY DATA. CONTRACTOR IS RESPONSIBLE FOR VERIFYING CONNECTION POINTS PRIOR TO INSTALLATION OF IMPROVEMENTS AND FOR MAKING NECESSARY ADJUSTMENTS IN THE FIELD FOR CONSTRUCTABILITY AND TO ENSURE SMOOTH TRANSITIONS TO FIELD CONDITIONS. CONTRACTOR SHALL NOTIFY ENGINEER IN WRITING OF ANY FIELD DISCREPANCIES. CONTRACTOR IS RESPONSIBLE FOR REWORK OF ANY UNCOMMUNICATED DISCREPANCIES.
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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Dave

DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###
SHEET TITLE

OVERALL GRADING PLAN

SHEET NUMBER

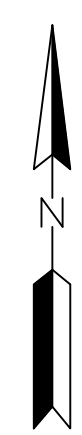
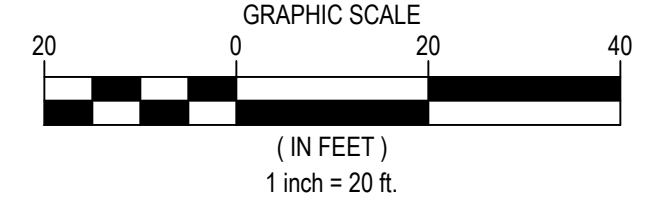
C-301



CHANHASSEN
CIVIC CAMPUS

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1 ADDENDUM 1
3	02/23/2024	BP1 ADDENDUM 2
4	02/27/2024	BP1 ADDENDUM 3
	03/14/2024	BID PACKAGE 2
4	03/29/2024	RPBCWD SUBMITTAL
5	04/10/2024	BP2 ADDENDUM 1
6	04/16/2024	BP2 ADDENDUM 2
7	04/22/2024	RPBCWD RESUBMITTAL
8	05/10/2024	CITY REVIEW
	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL

SEE SHEET C-304



LEGEND

- PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- GRADING LIMITS
- SURFACE GRADE & FLOW DIRECTION
- SURFACE SLOPE (H+V) & FLOW DIRECTION
- STORM SEWER
- DRAIN TILE
- SANITARY SEWER
- WATERMAIN
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER

NOTES

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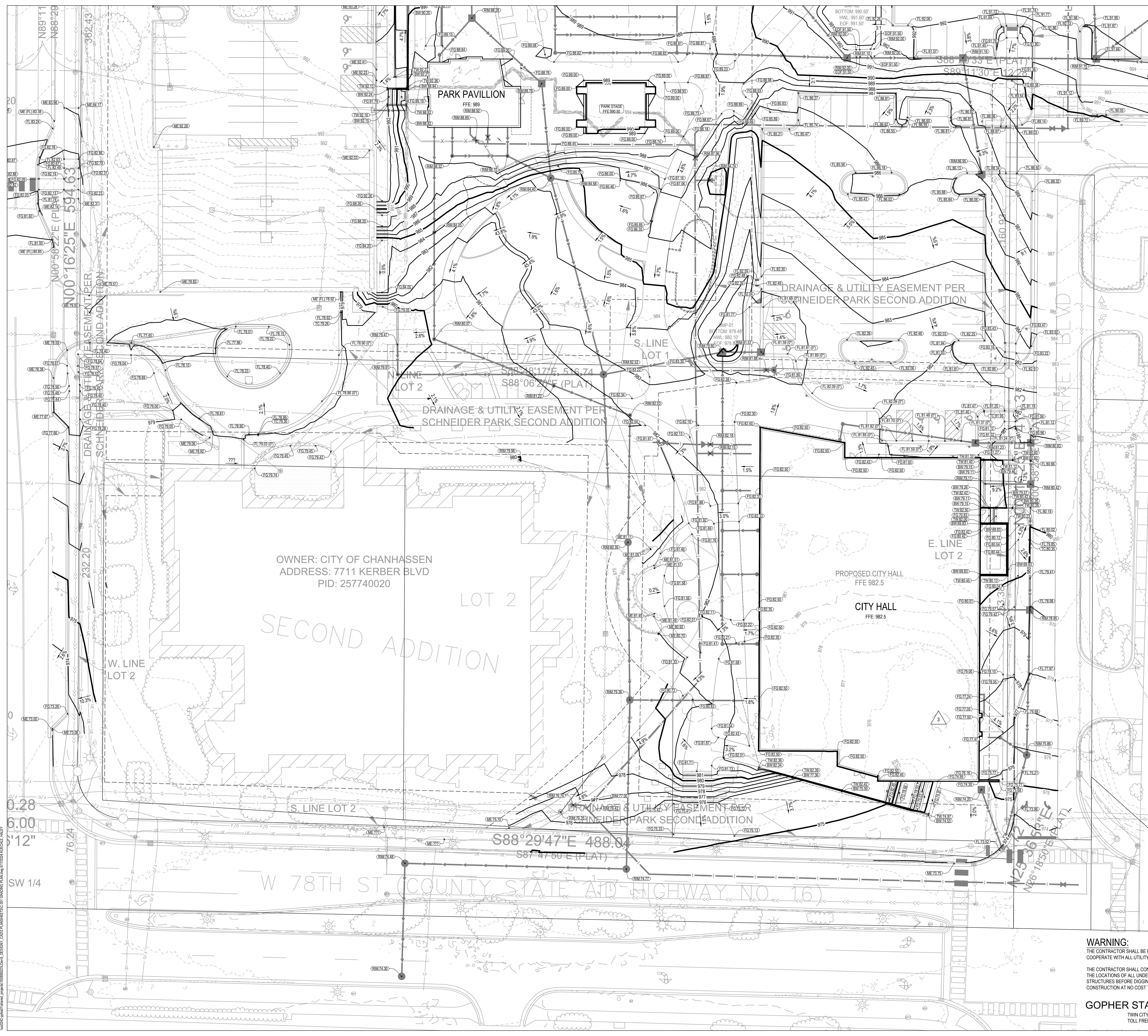
Daniel Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

PHASE 1 GRADING PLAN

SHEET NUMBER

C-302

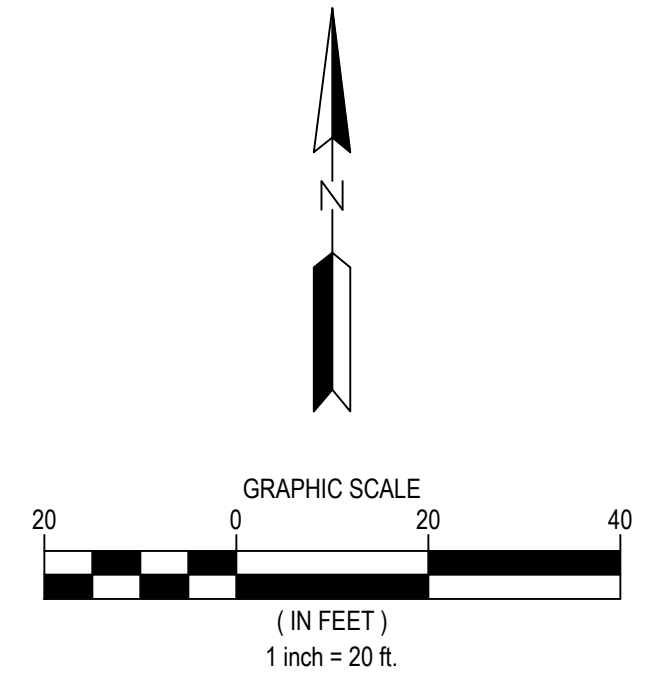


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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0022
TOLL FREE 1-800-252-1166

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1 ADDENDUM 1
3	02/23/2024	BP1 ADDENDUM 2
4	02/27/2024	BP1 ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/29/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2 ADDENDUM 1
8	04/16/2024	BP2 ADDENDUM 2
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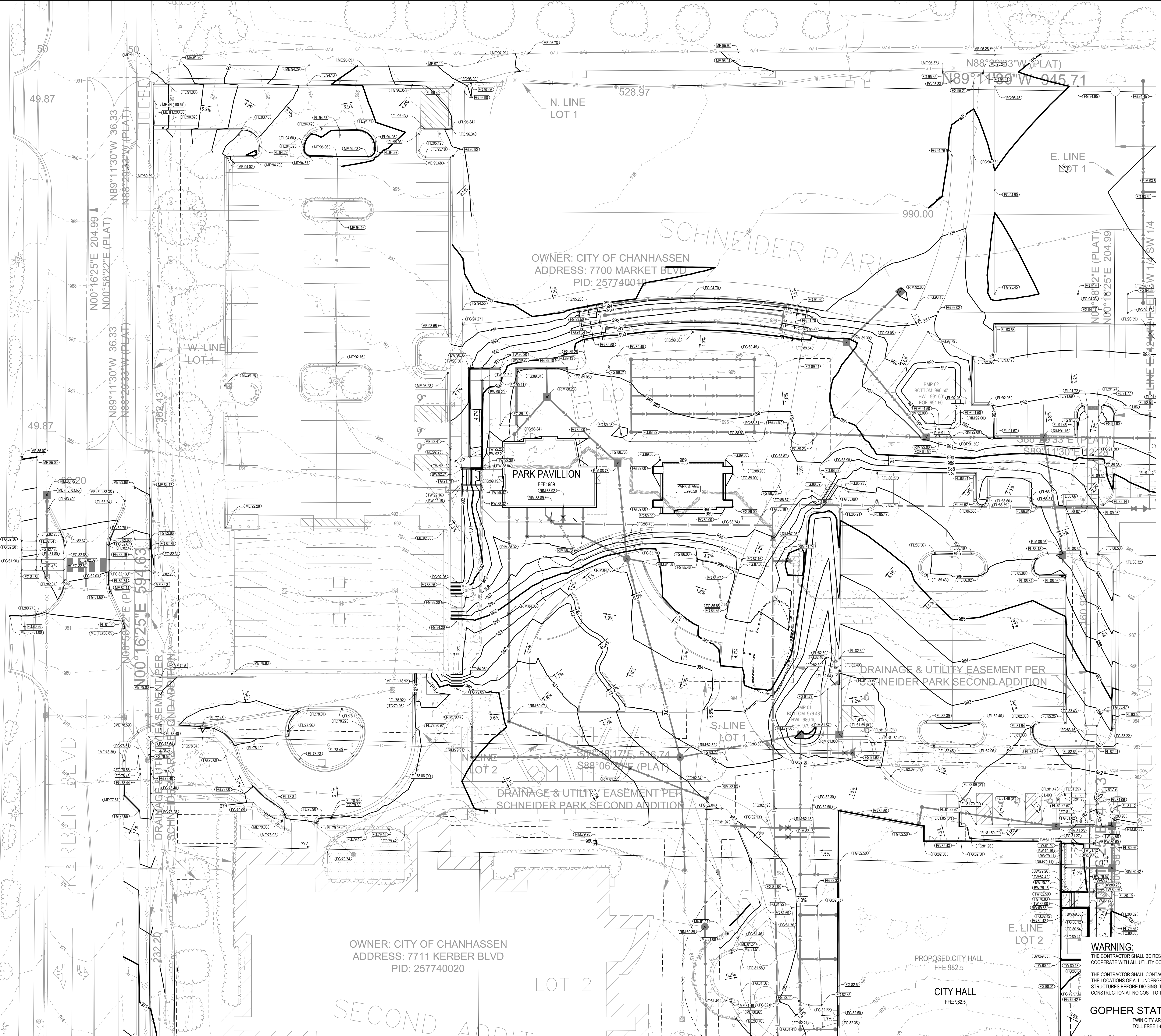
LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- - - - - EXISTING STORM SEWER
- - - - - EXISTING SANITARY SEWER
- - - - - EXISTING WATERMAIN
- - - - - EXISTING SANITARY MANHOLE
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- - - - - EXISTING WATER VALVE
- - - - - PROPOSED MINOR CONTOUR
- - - - - PROPOSED MAJOR CONTOUR
- - - - - GRADING LIMITS
- 1.00% SURFACE GRADE & FLOW DIRECTION
- 3.0:1 SURFACE SLOPE (H:V) & FLOW DIRECTION
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- - - - - SANITARY SEWER
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- - - - - STORM MANHOLE
- - - - - STORM CATCH BASIN
- - - - - FLARED END SECTION
- - - - - STORM CLEANOUT
- - - - - SANITARY MANHOLE
- - - - - CLEANOUT
- - - - - HYDRANT
- - - - - GATE VALVE
- - - - - CURB STOP
- - - - - REDUCER

NOTES

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SEE SHEET C-304



OWNER: CITY OF CHANHASSEN
ADDRESS: 7700 MARKET BLVD
PID: 257740010

PARK PAVILLION
FFE 989

DRAINAGE & UTILITY EASEMENT PER
SCHNEIDER PARK SECOND ADDITION

OWNER: CITY OF CHANHASSEN
ADDRESS: 7711 KERBER BLVD
PID: 257740020

PROPOSED CITY HALL
FFE 982.5
CITY HALL
FFE 982.5

SEE SHEET C-302

CERTIFICATION

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Dave
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###
SHEET TITLE:

**PHASE 2 NORTHWEST
GRADING PLAN**

SHEET NUMBER
C-303

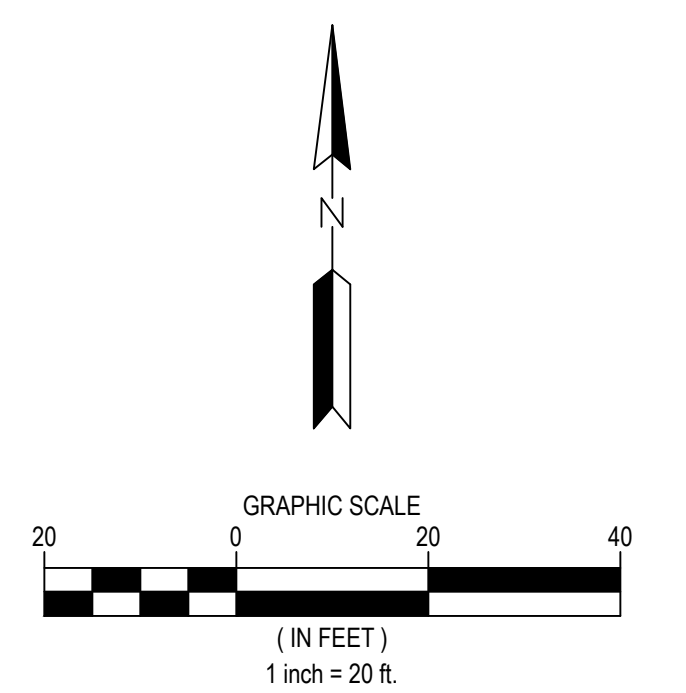
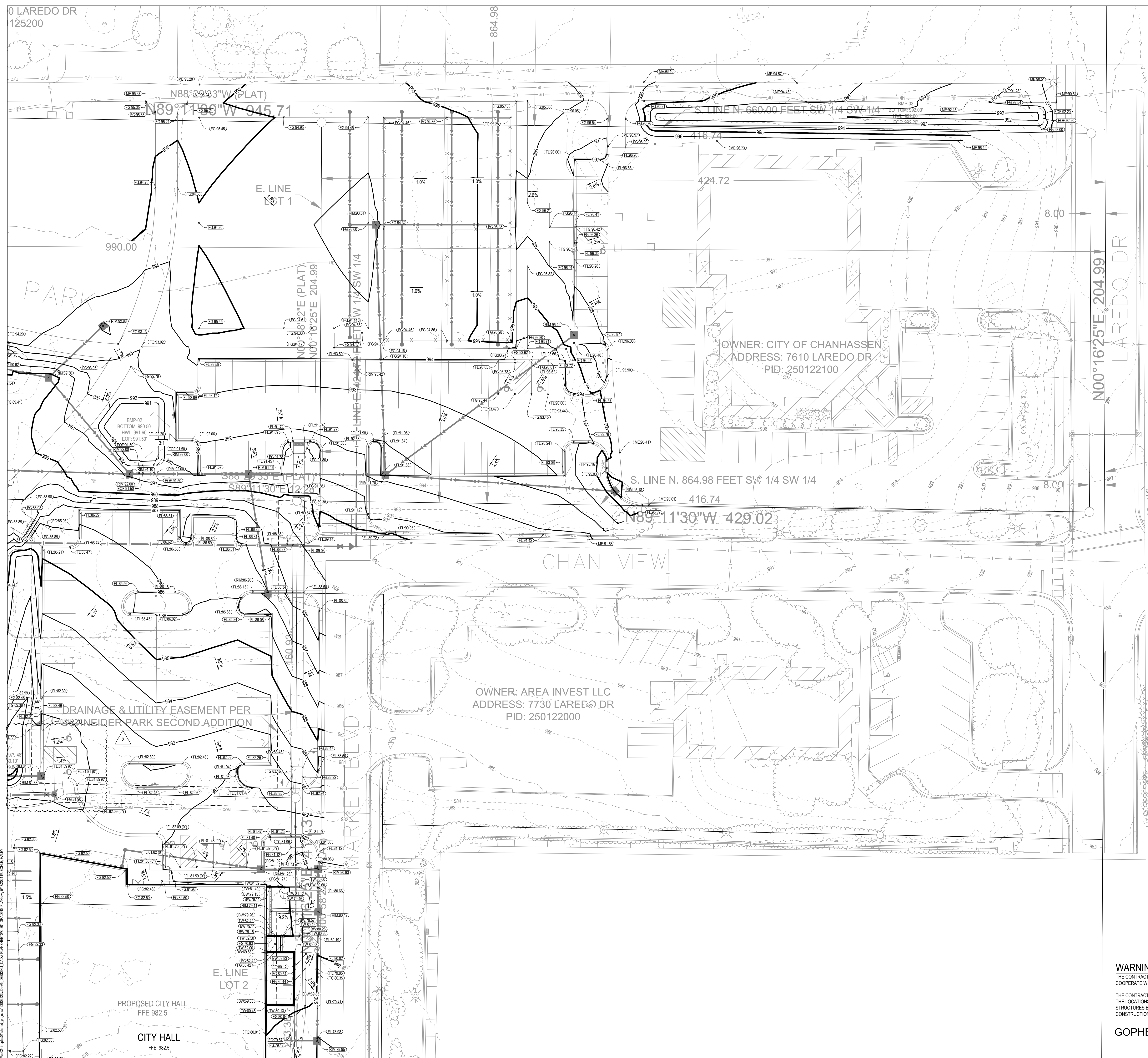
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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
2	02/27/2024	BP1_ADDENDUM 3
4	03/14/2024	BID PACKAGE 2
4	04/10/2024	RPBCWD SUBMITTAL
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8	05/14/2024	CITY REVIEW
8	05/17/2024	CONFORM SET
8	05/17/2024	RPBCWD RESUBMITTAL



LEGEND

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- EXISTING MINOR CONTOUR
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- EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
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NOTES

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Dana
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE:

PHASE 2 NORTHEAST GRADING PLAN

SHEET NUMBER C-304

WARNING:
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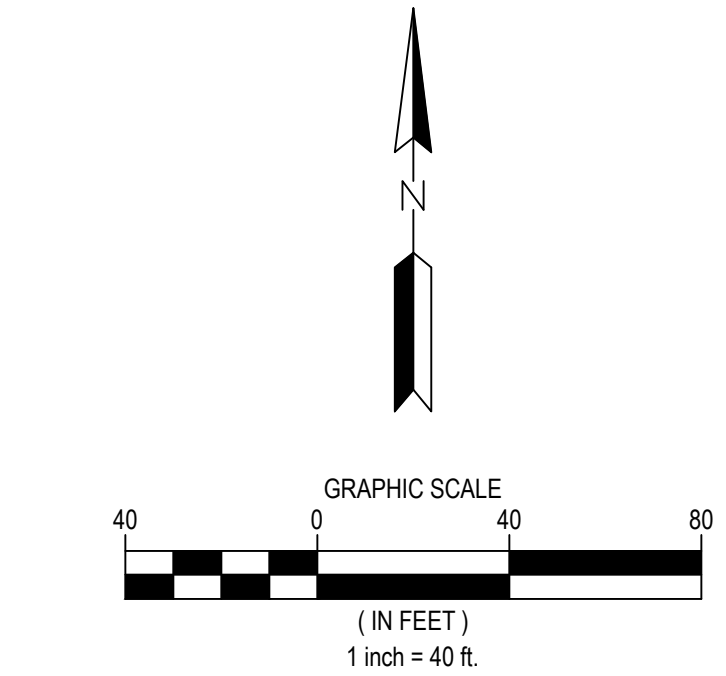
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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

SEE SHEET C-303

\\bkv\shared\dwg\proj\1153025\DRAWING\RESUBMIT_CADD\PHASE2\NORTHEAST GRADING PLAN\PHASE 2 NORTHEAST GRADING PLAN.dwg (1153025) (1153025) (1153025)

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/22/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/28/2024	RPBCWD SUBMITTAL
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12	05/17/2024	RPBCWD RESUBMITTAL



LEGEND

- — — — — PROPERTY BOUNDARY
- - - - - 901 EXISTING MINOR CONTOUR
- - - - - 900 EXISTING MAJOR CONTOUR
- - - - - EXISTING STORM SEWER
- - - - - EXISTING SANITARY SEWER
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- - - - - 901 PROPOSED MINOR CONTOUR
- - - - - 900 PROPOSED MAJOR CONTOUR
- - - - - GRADING LIMITS
- — — — — STORM SEWER
- — — — — DRAIN TILE
- — — — — SANITARY SEWER
- — — — — WATERMAIN
- — — — — WATER SERVICE
- ⊙ STORM MANHOLE
- ⊙ STORM CATCH BASIN
- ⊙ FLARED END SECTION
- ⊙ STORM CLEANOUT
- ⊙ SANITARY MANHOLE
- ⊙ CLEANOUT
- ⊙ HYDRANT
- ⊙ GATE VALVE
- ⊙ CURB STOP
- ⊙ REDUCER
- ⊙ FIRE DEPARTMENT CONNECTION
- ⊙ 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL 7C-807

NOTES

1. SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
2. CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
3. WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

SANITARY STRUCTURE SCHEDULE			
STRUCTURE ID	SIZE*	CASTING*	DETAIL
SAN CO 1	6" Ø	SEE DETAIL 6C-804	SOLID
SAN CO 2	6" Ø	SEE DETAIL 6C-804	SOLID
SAN CO 3	6" Ø	SEE DETAIL 6C-804	SOLID
SAN CO 4	6" Ø	SEE DETAIL 6C-804	SOLID
SAN MH 5	48" Ø	SEE DETAIL 2111VC-801	210VC-807
SAN MH 7	48" Ø	SEE DETAIL 2111VC-801	210VC-801
SAN MH 8	48" Ø	SEE DETAIL 2111VC-801	210VC-801

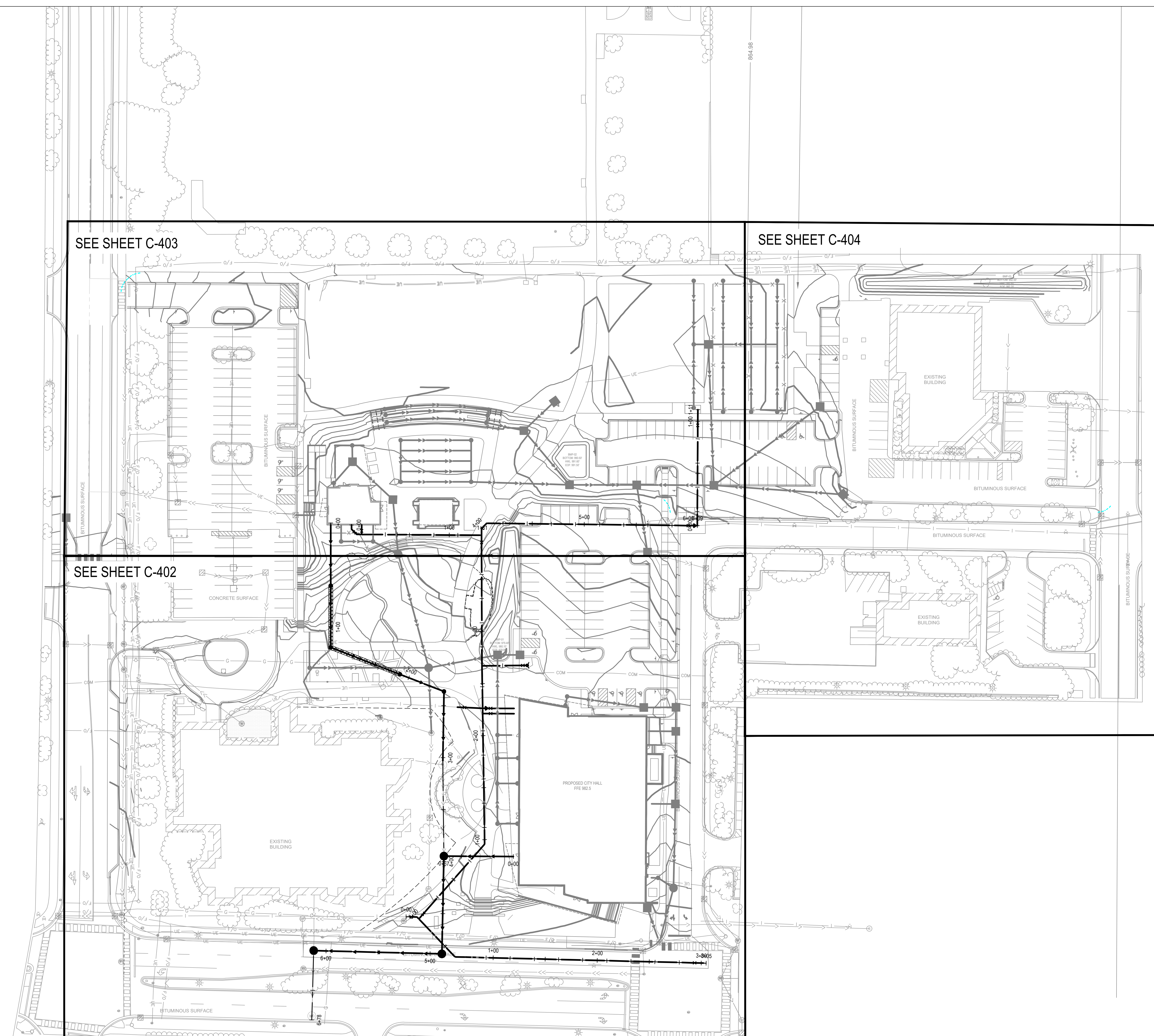
* STRUCTURE SIZES ARE APPROXIMATE. PRECAST MANUFACTURER TO CONFIRM SIZES AND ADJUST AS NECESSARY, PRIOR TO BID OPENING
* NEENAH OR APPROVED EQUAL

MDH STATEMENT OF QUANTITIES			
ITEM	SIZE	QUANTITY	UNIT
PVC WATERMAIN	18" Ø	316	LF
PVC WATERMAIN	8" Ø	431	LF
PVC WATERMAIN	6" Ø	216	LF
COPPER WATERMAIN	1.5" Ø	23	LF
GATE VALVE	18" Ø	3	EACH
GATE VALVE	8" Ø	2	EACH
GATE VALVE	6" Ø	3	EACH
GATE VALVE	4" Ø	2	EACH
DIP TEE	18"x8" Ø	1	EACH
DIP TEE	8"x6" Ø	2	EACH
DIP TEE	8"x4" Ø	1	EACH
DIP TEE	6"x4" Ø	1	EACH
DIP 45° BEND	18" Ø	3	EACH
DIP 45° BEND	8" Ø	6	EACH
DIP 45° BEND	6" Ø	2	EACH
CURBS AND STOP BOX	1.5" Ø	2	EACH
CORPORATION	1.5" Ø	1	EACH
REDUCER	8"x6" Ø	1	EACH
HYDRANT	6" Ø	1	EACH

NOTE: QUANTITIES ON PLAN SUPERCEDES LIST QUANTITIES IN A DISCREPANCY

PIPE CROSSING SCHEDULE									
STORM	SANITARY			WATER*			TOP OF PIPE		
	SIZE	MATERIAL	INVERT	SIZE	MATERIAL	INVERT			
1	-	-	-	8" Ø	PVC	964.16	18" Ø	PVC	962.15
2	-	-	-	8" Ø	PVC	965.16	8" Ø	PVC	962.60
3	-	-	-	8" Ø	PVC	966.51	8" Ø	PVC	963.53
4	6" Ø	PVC	976.76	-	-	-	8" Ø	PVC	973.05
5	6" Ø	PVC	976.76	-	-	-	4" Ø	PVC	973.05
6	12" Ø	PVC	975.69	6" Ø	PVC	974.85	-	-	-
7	8" Ø	PVC	975.94	-	-	-	6" Ø	PVC	973.24
8	12" Ø	PVC	975.65	-	-	-	8" Ø	PVC	973.49
9	18" Ø	HDPE	975	6" Ø	PVC	973.84	-	-	-
10	12" Ø	HDPE	976.55	-	-	-	6" Ø	PVC	976.42
11	18" Ø	PVC	987.84	-	-	-	1" Ø	PEX	982.15

* MAINTAIN 18" SEPARATION AT ALL WATER CROSSINGS, WITH 4" RIGID INSULATION AS REQUIRED. SEE DETAIL PLATE 2204C-802
* SEE DETAIL 7C-804 - CONCRETE SADDLE FOR PIPE CROSSINGS



CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Dana
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

OVERALL UTILITY PLAN

SHEET NUMBER

C-401

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

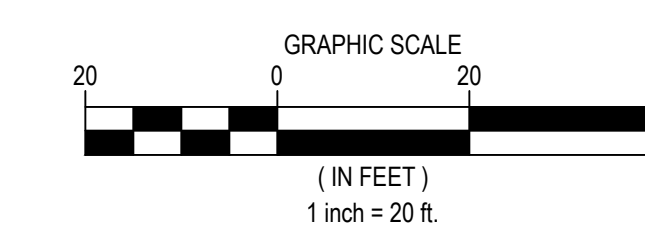
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CHANHASSEN
CIVIC CAMPUS

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/28/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPBCWD RESUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPBCWD RESUBMITTAL

SEE SHEET C-404

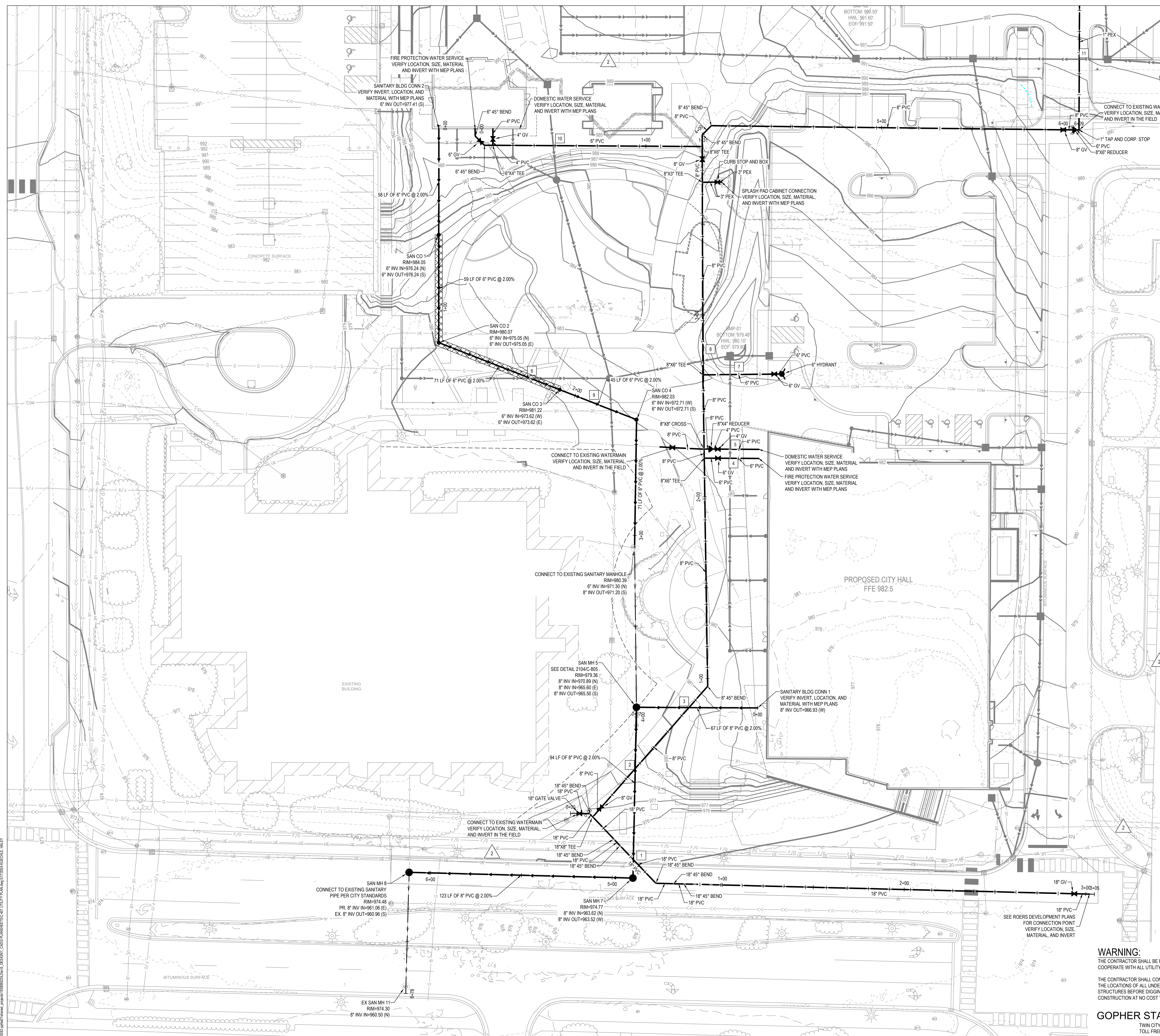


LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- - - EXISTING STORM SEWER
- - - EXISTING SANITARY SEWER
- - - EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- - - 901 PROPOSED MINOR CONTOUR
- - - 900 PROPOSED MAJOR CONTOUR
- - - GRADING LIMITS
- - - STORM SEWER
- - - DRAINILE
- - - SANITARY SEWER
- - - WATERMAIN
- - - WATER SERVICE
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER
- FIRE DEPARTMENT CONNECTION
- 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL 7C-807

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
- WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Daniel Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###
SHEET TITLE

PHASE 1 UTILITY PLAN

SHEET NUMBER

C-402

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/28/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPBCWD RESUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPBCWD RESUBMITTAL

LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- - - EXISTING STORM SEWER
- - - EXISTING SANITARY SEWER
- - - EXISTING WATERMAIN
- - - EXISTING SANITARY MANHOLE
- - - EXISTING STORM SEWER MANHOLE
- - - EXISTING STORM SEWER INLET
- - - EXISTING HYDRANT
- - - EXISTING WATER VALVE
- - - PROPOSED MINOR CONTOUR
- - - PROPOSED MAJOR CONTOUR
- - - GRADING LIMITS
- - - STORM SEWER
- - - DRAINILE
- - - SANITARY SEWER
- - - WATERMAIN
- - - WATER SERVICE
- - - STORM MANHOLE
- - - STORM CATCH BASIN
- - - FLARED END SECTION
- - - STORM CLEANOUT
- - - SANITARY MANHOLE
- - - CLEANOUT
- - - HYDRANT
- - - GATE VALVE
- - - CURB STOP
- - - REDUCER
- - - FIRE DEPARTMENT CONNECTION
- - - 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL TC-807

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
- WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

SEE SHEET C-404

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

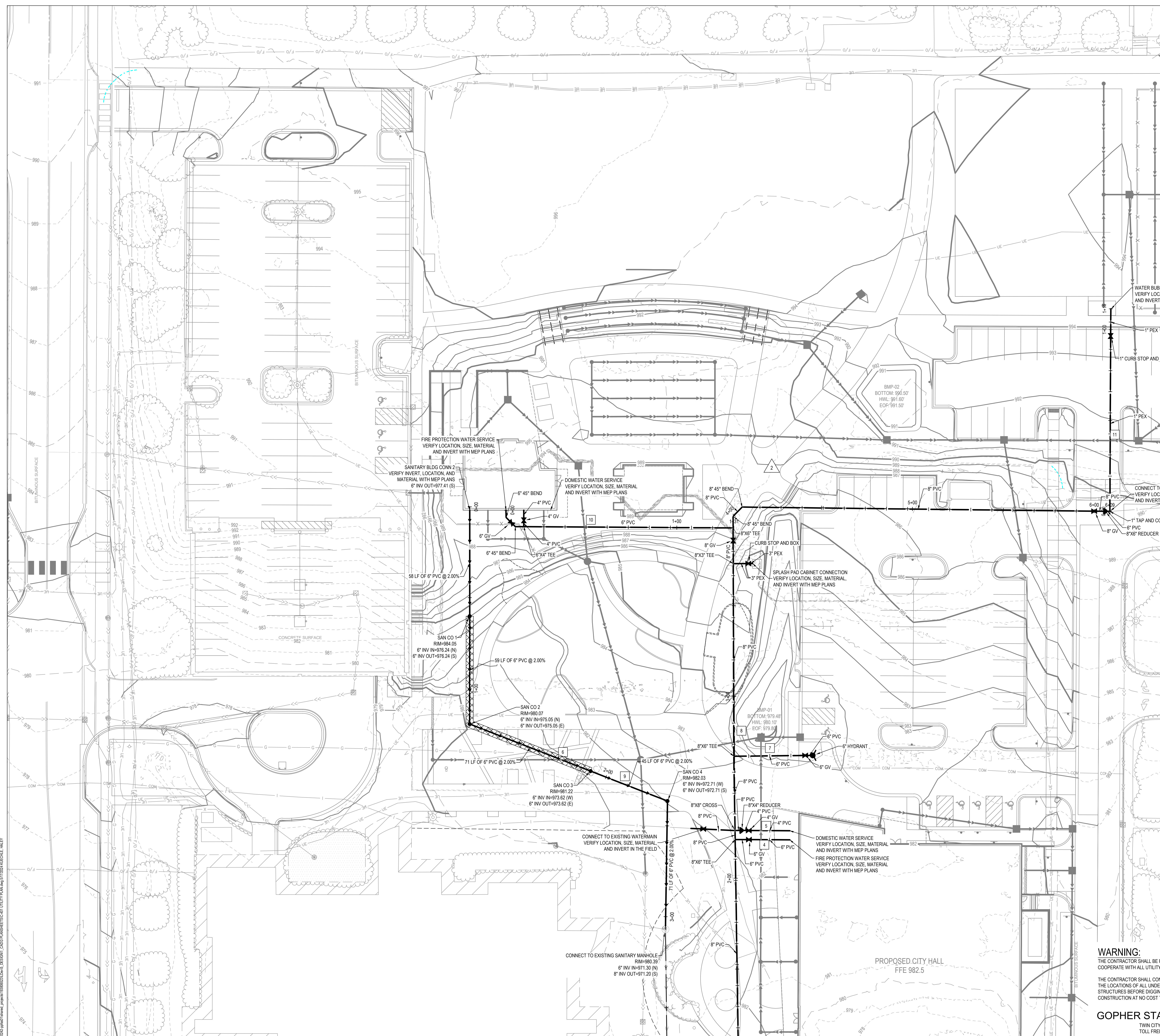
Dana
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 NORTHWEST
UTILITY PLAN**

SHEET NUMBER

C-403



SEE SHEET C-402

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

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GOPHER STATE ONE CALL

TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/28/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPBCWD RESUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPBCWD RESUBMITTAL

LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- - - EXISTING STORM SEWER
- - - EXISTING SANITARY SEWER
- - - EXISTING WATERMAIN
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING STORM SEWER MANHOLE
- ⊙ EXISTING STORM SEWER INLET
- ⊙ EXISTING HYDRANT
- ⊙ EXISTING WATER VALVE
- - - 901 PROPOSED MINOR CONTOUR
- - - 900 PROPOSED MAJOR CONTOUR
- - - GRADING LIMITS
- - - STORM SEWER
- - - DRAINILE
- - - SANITARY SEWER
- - - WATERMAIN
- - - WATER SERVICE
- STORM MANHOLE
- STORM CATCH BASIN
- ▭ FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER
- FIRE DEPARTMENT CONNECTION
- 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL TC-807

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
- WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Dave
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 NORTHEAST
UTILITY PLAN**

SHEET NUMBER

C-404

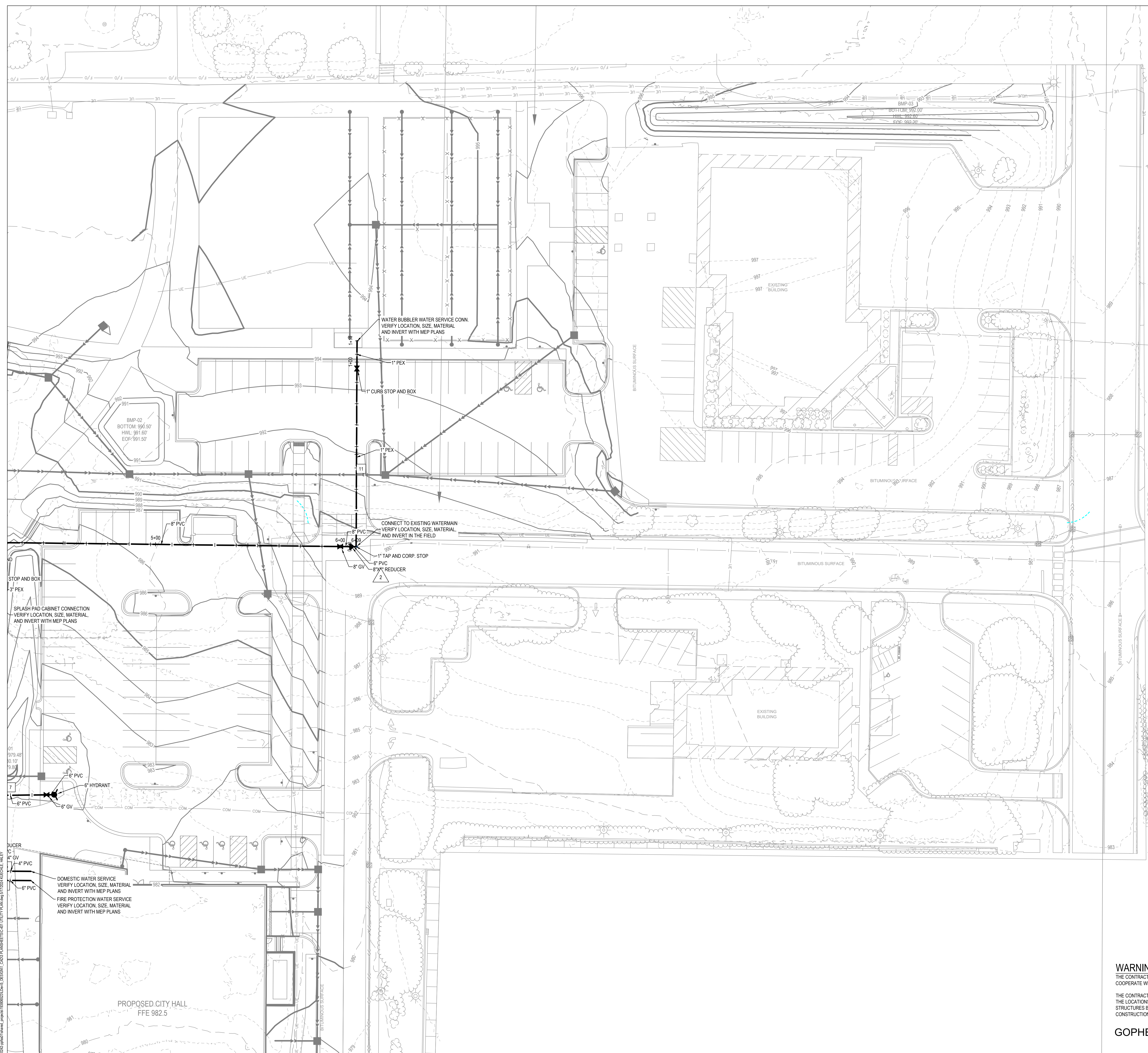
WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

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GOPHER STATE ONE CALL

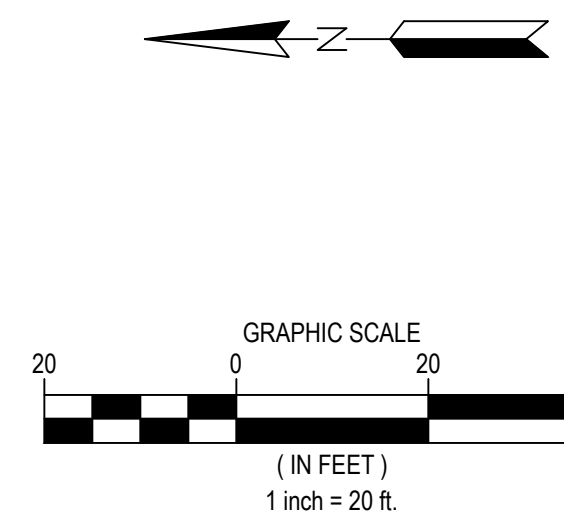
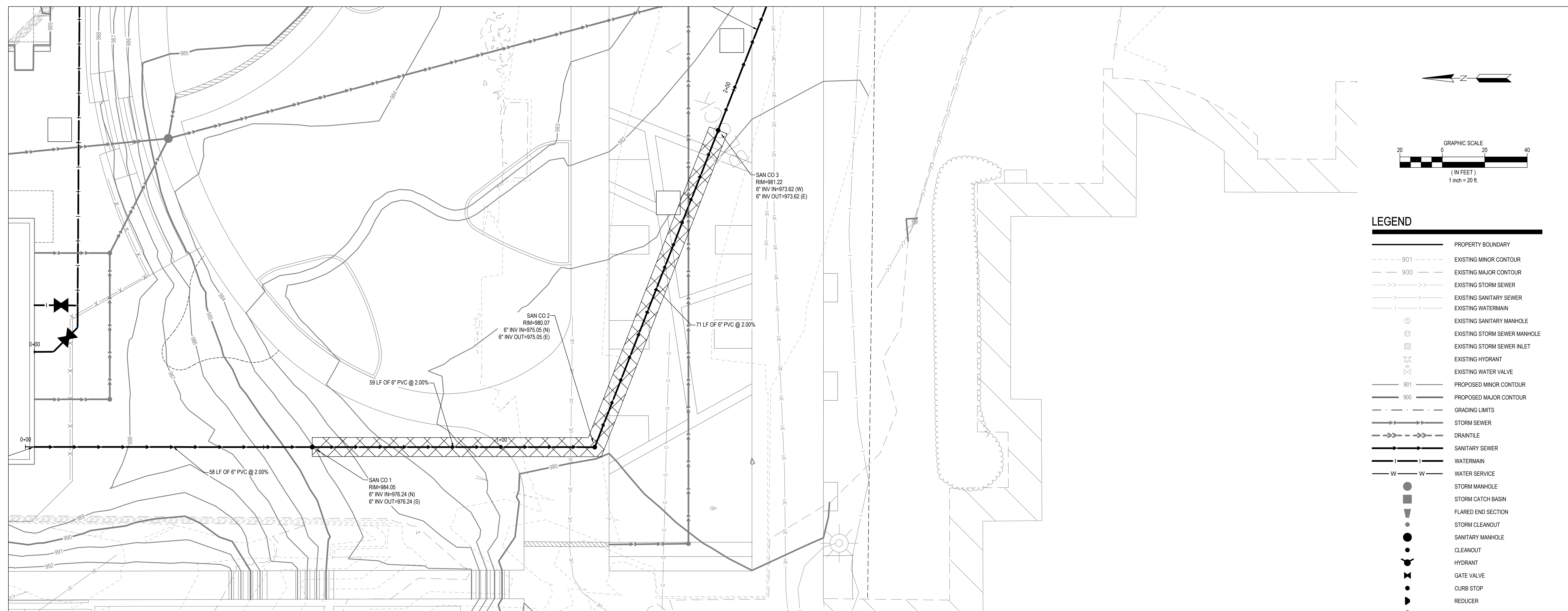
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166



SEE SHEET C-403

PROPOSED CITY HALL
FFE 982.5

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
5	03/29/2024	RPBCWD SUBMITTAL
6	04/10/2024	BP2_ADDENDUM 1
7	04/16/2024	BP2_ADDENDUM 2
8	04/22/2024	RPBCWD RESUBMITTAL
9	05/10/2024	CITY REVIEW
10	05/14/2024	CONFORM SET
11	05/17/2024	RPBCWD RESUBMITTAL



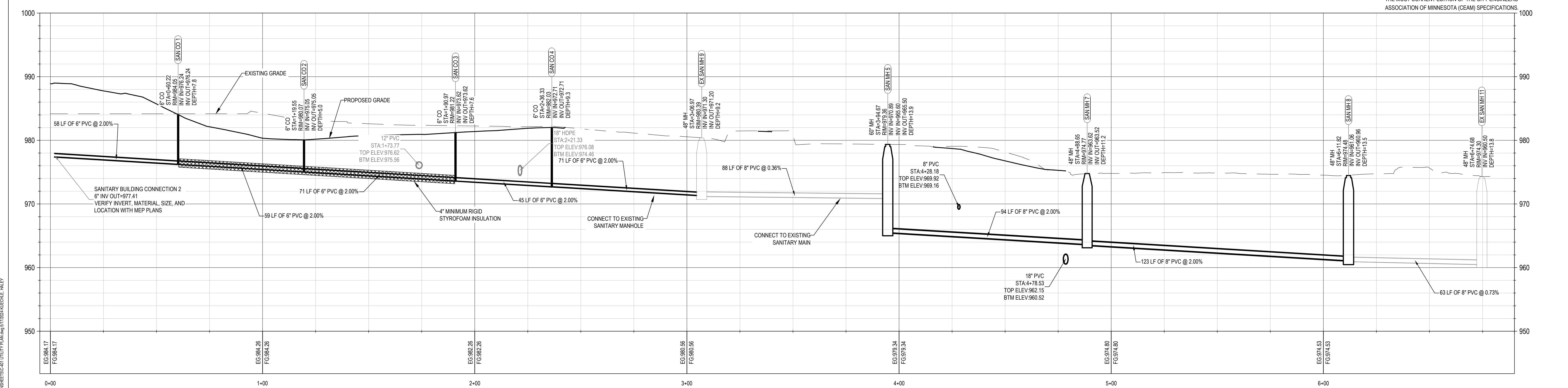
LEGEND

- PROPERTY BOUNDARY
- - - 901 - - - EXISTING MINOR CONTOUR
- - - 900 - - - EXISTING MAJOR CONTOUR
- >->- EXISTING STORM SEWER
- >->- EXISTING SANITARY SEWER
- >->- EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- - - 901 - - - PROPOSED MINOR CONTOUR
- - - 900 - - - PROPOSED MAJOR CONTOUR
- - - GRADING LIMITS
- >->- STORM SEWER
- >->- DRAINILE
- >->- SANITARY SEWER
- >->- WATERMAIN
- W - W - WATER SERVICE
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER
- FIRE DEPARTMENT CONNECTION
- 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL TC-807

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
- WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

SANITARY MAIN ALIGNMENT PROFILE



CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Daniel Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###
SHEET TITLE

WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

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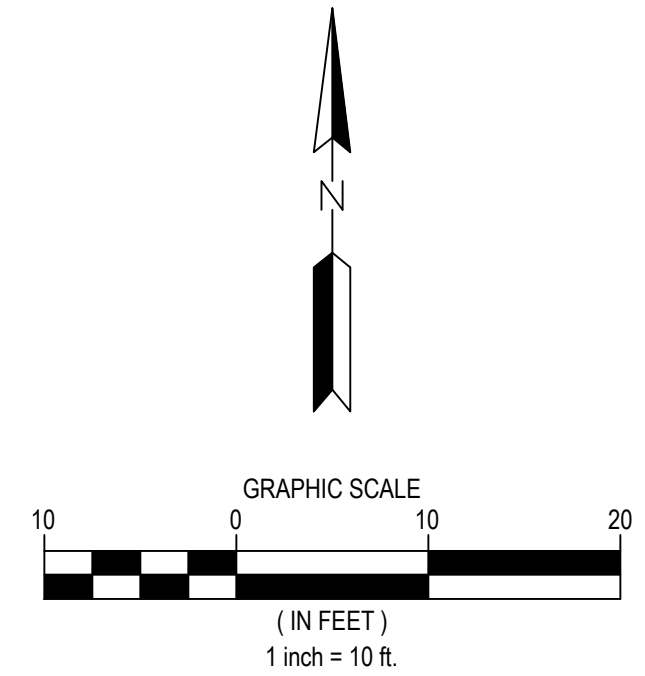
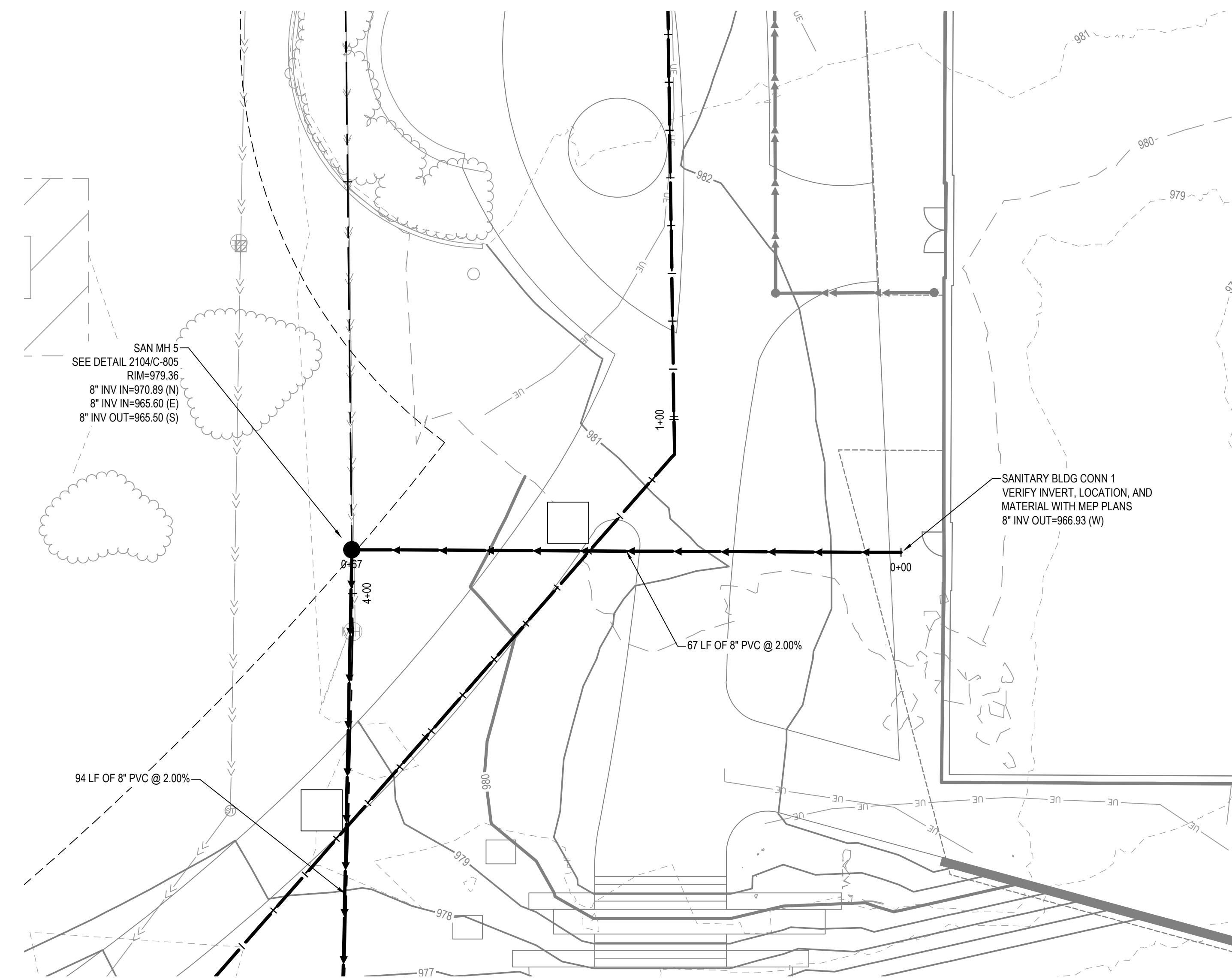
GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

**PHASE 1 UTILITY PLAN
AND PROFILE**

SHEET NUMBER

C-405

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
1	02/13/2024	BP1_ADDENDUM 1
2	02/23/2024	BP1_ADDENDUM 2
3	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
	03/28/2024	RPBCWD SUBMITTAL
4	04/10/2024	BP2_ADDENDUM 1
5	04/16/2024	BP2_ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL



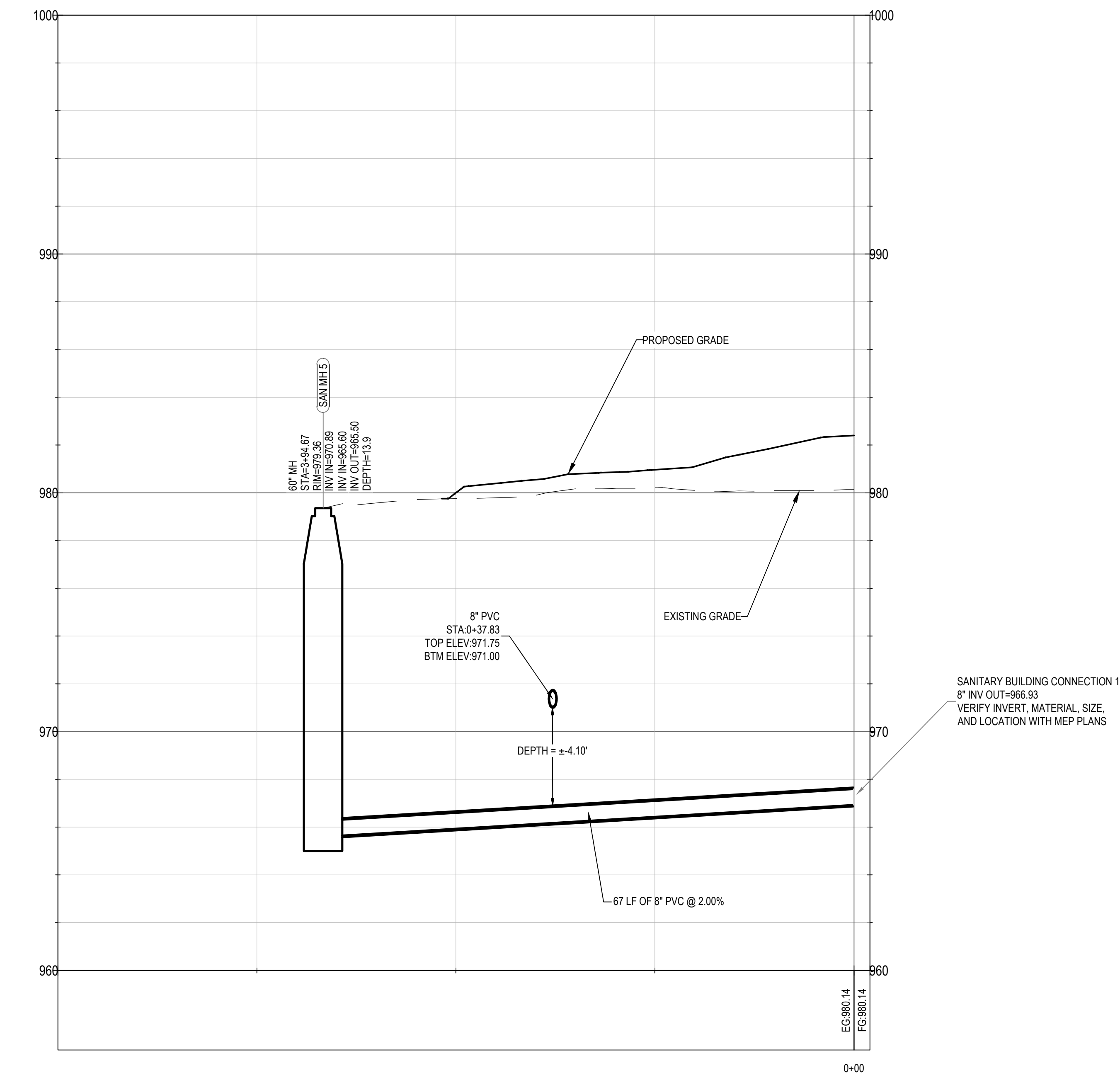
LEGEND

- PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- GRADING LIMITS
- STORM SEWER
- DRAIN TILE
- SANITARY SEWER
- WATERMAIN
- WATER SERVICE
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER
- FIRE DEPARTMENT CONNECTION
- 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL 71C-807

NOTES

1. SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
2. CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
3. WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

SANITARY CXN 1 TO SAN MH5 PROFILE



SEE SHEET C-403

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN SPECIFICATION OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

D. Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 UTILITY PLAN
AND PROFILE**

SHEET NUMBER
C-406

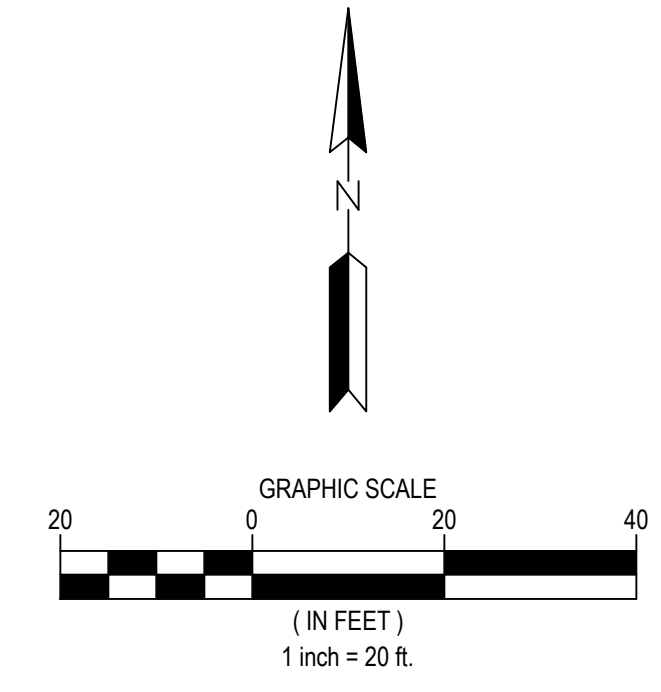
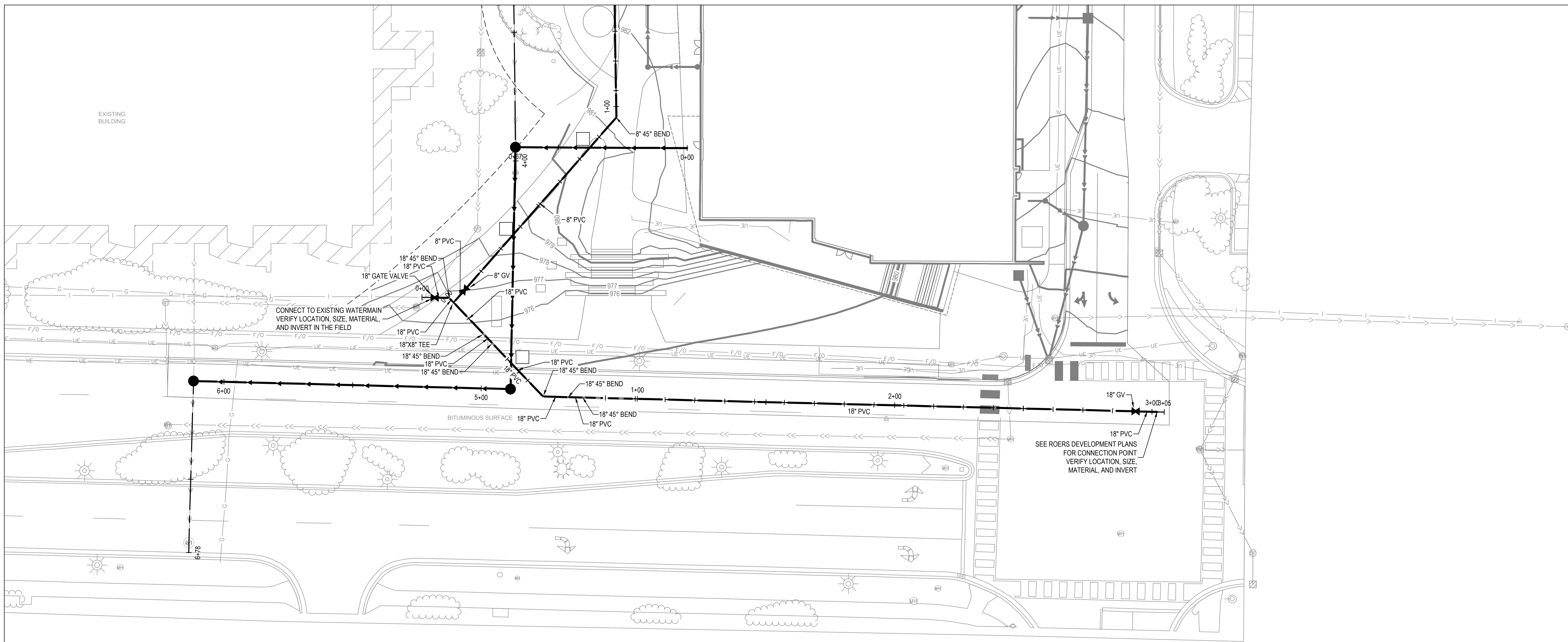
WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166



ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
1	02/13/2024	BP1_ADDENDUM 1
2	02/23/2024	BP1_ADDENDUM 2
3	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
	03/28/2024	RPBCWD SUBMITTAL
4	04/10/2024	BP2_ADDENDUM 1
5	04/16/2024	BP2_ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL



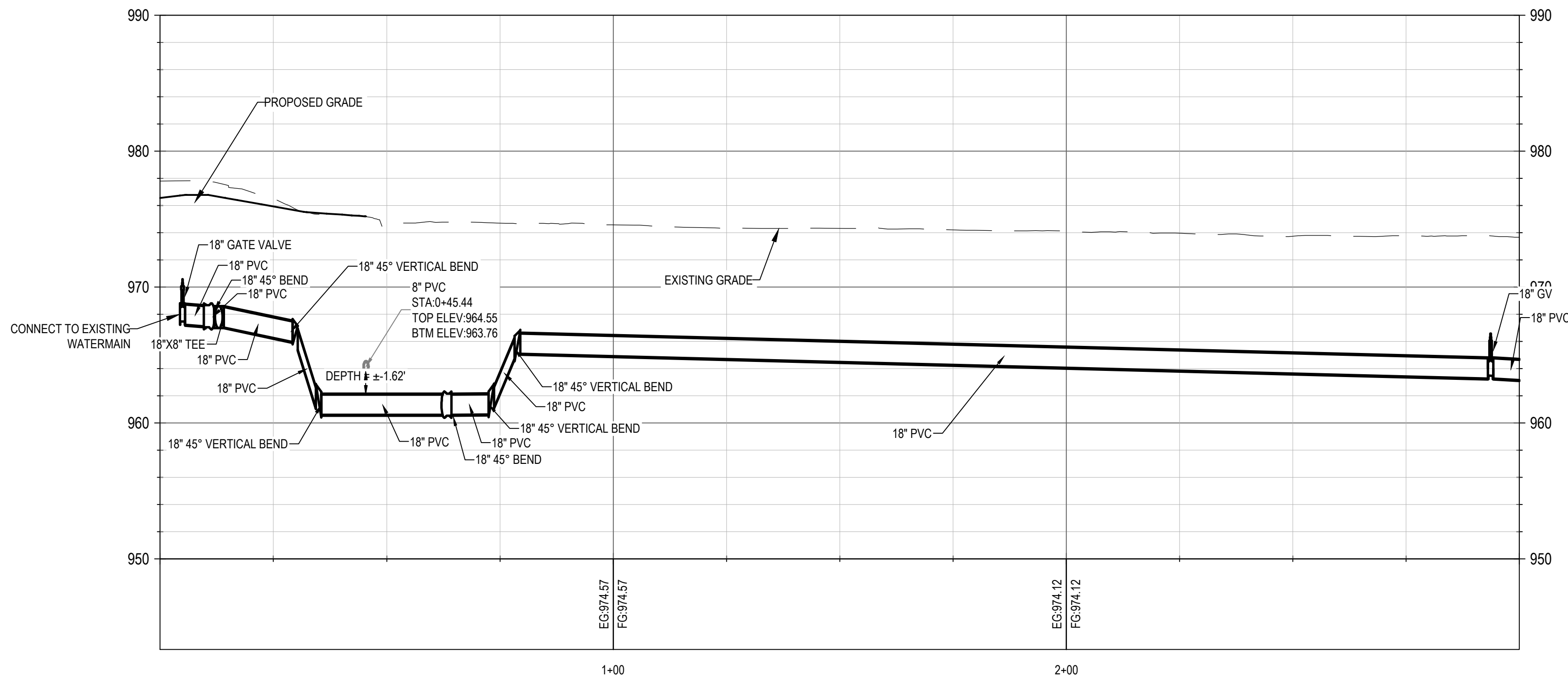
LEGEND

- — — — — PROPERTY BOUNDARY
- - - - - 901 EXISTING MINOR CONTOUR
- - - - - 900 EXISTING MAJOR CONTOUR
- - - - - EXISTING STORM SEWER
- - - - - EXISTING SANITARY SEWER
- - - - - EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- 901 PROPOSED MINOR CONTOUR
- 900 PROPOSED MAJOR CONTOUR
- - - - - GRADING LIMITS
- - - - - STORM SEWER
- - - - - DRAIN TILE
- - - - - SANITARY SEWER
- - - - - WATERMAIN
- - - - - WATER SERVICE
- STORM MANHOLE
- STORM CATCH BASIN
- ▭ FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER
- ▲ FIRE DEPARTMENT CONNECTION
- ▨ 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL 71C-807

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
- WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

PUBLIC WATER MAIN PROFILE



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Daniel Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 1 UTILITY PLAN
AND PROFILE**

SHEET NUMBER

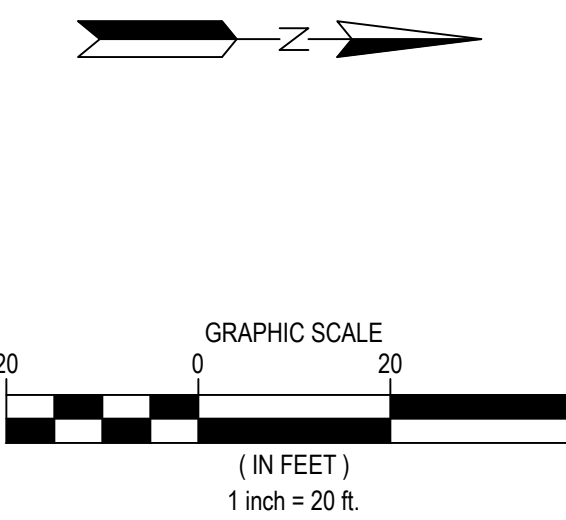
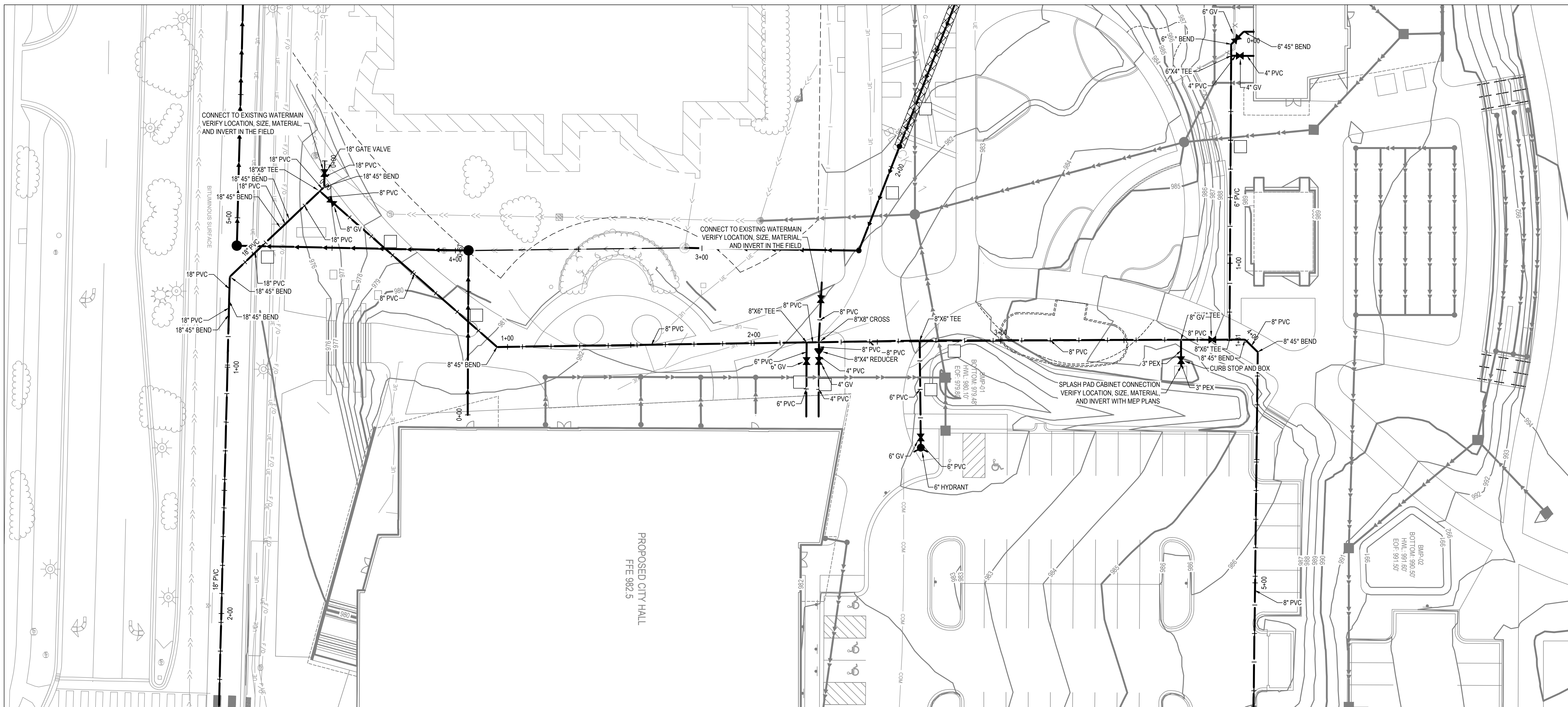
C-407

\\bkv\shared\dwg\jph\p1\13350232\DWG_RES\DWG_CADD\PLANS\BETC-AN\UTILITY\PLAN\AN-517024\WHEELER_P1.DWG



**CHANHASSEN
CIVIC CAMPUS**

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
4	03/28/2024	RPBCWD SUBMITTAL
5	04/10/2024	BP2_ADDENDUM 1
6	04/16/2024	BP2_ADDENDUM 2
7	04/22/2024	RPBCWD RESUBMITTAL
8	05/10/2024	CITY REVIEW
9	05/14/2024	CONFORM SET
10	05/17/2024	RPBCWD RESUBMITTAL



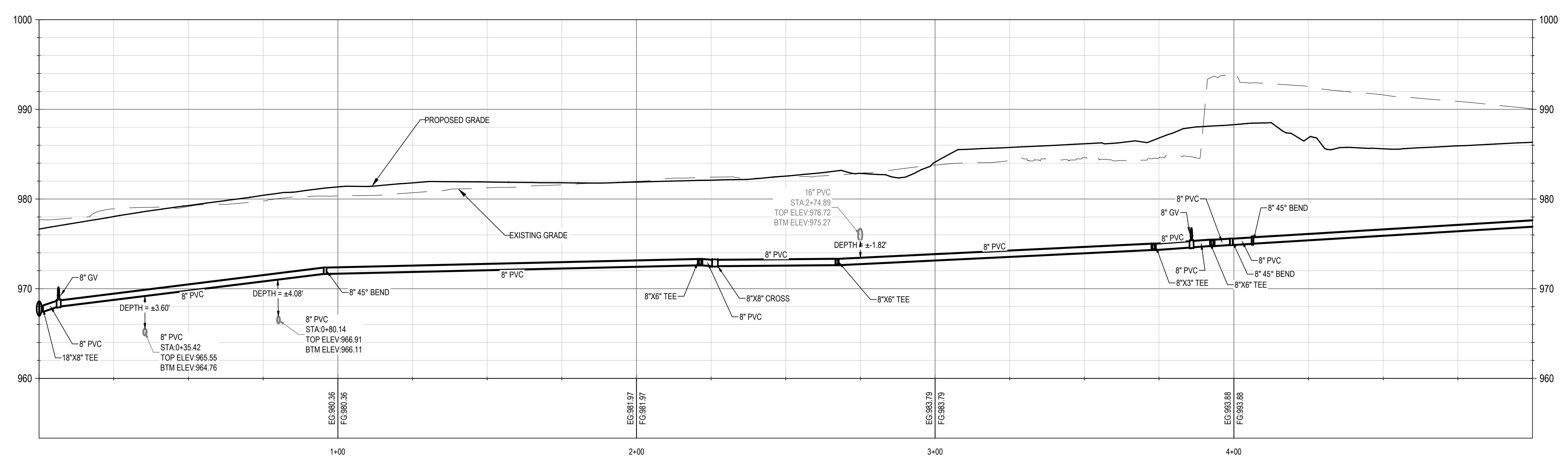
LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- - - EXISTING STORM SEWER
- - - EXISTING SANITARY SEWER
- - - EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- - - 901 PROPOSED MINOR CONTOUR
- - - 900 PROPOSED MAJOR CONTOUR
- - - GRADING LIMITS
- - - STORM SEWER
- - - DRAIN TILE
- - - SANITARY SEWER
- - - WATERMAIN
- - - WATER SERVICE
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER
- FIRE DEPARTMENT CONNECTION
- 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL 71C-807

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
- WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

SITE WATER MAIN PROFILE



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

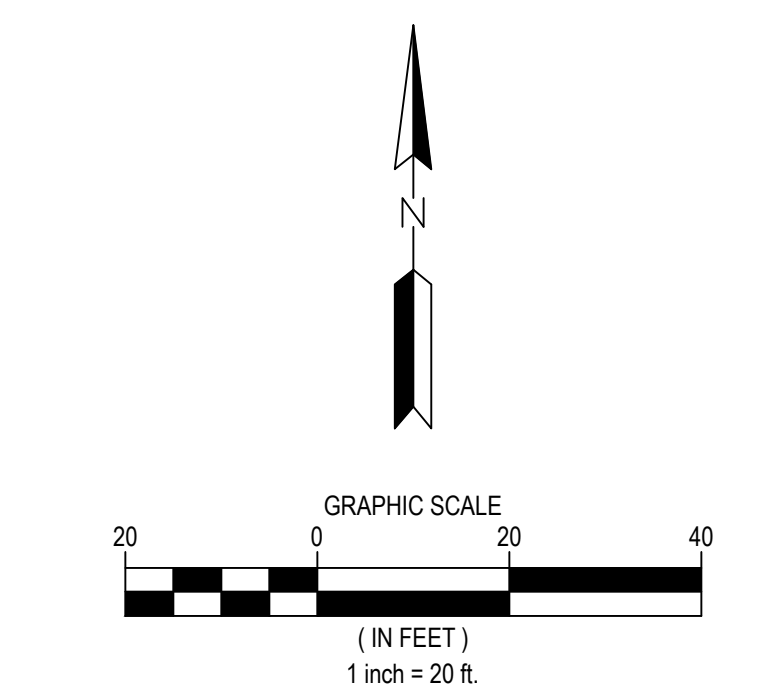
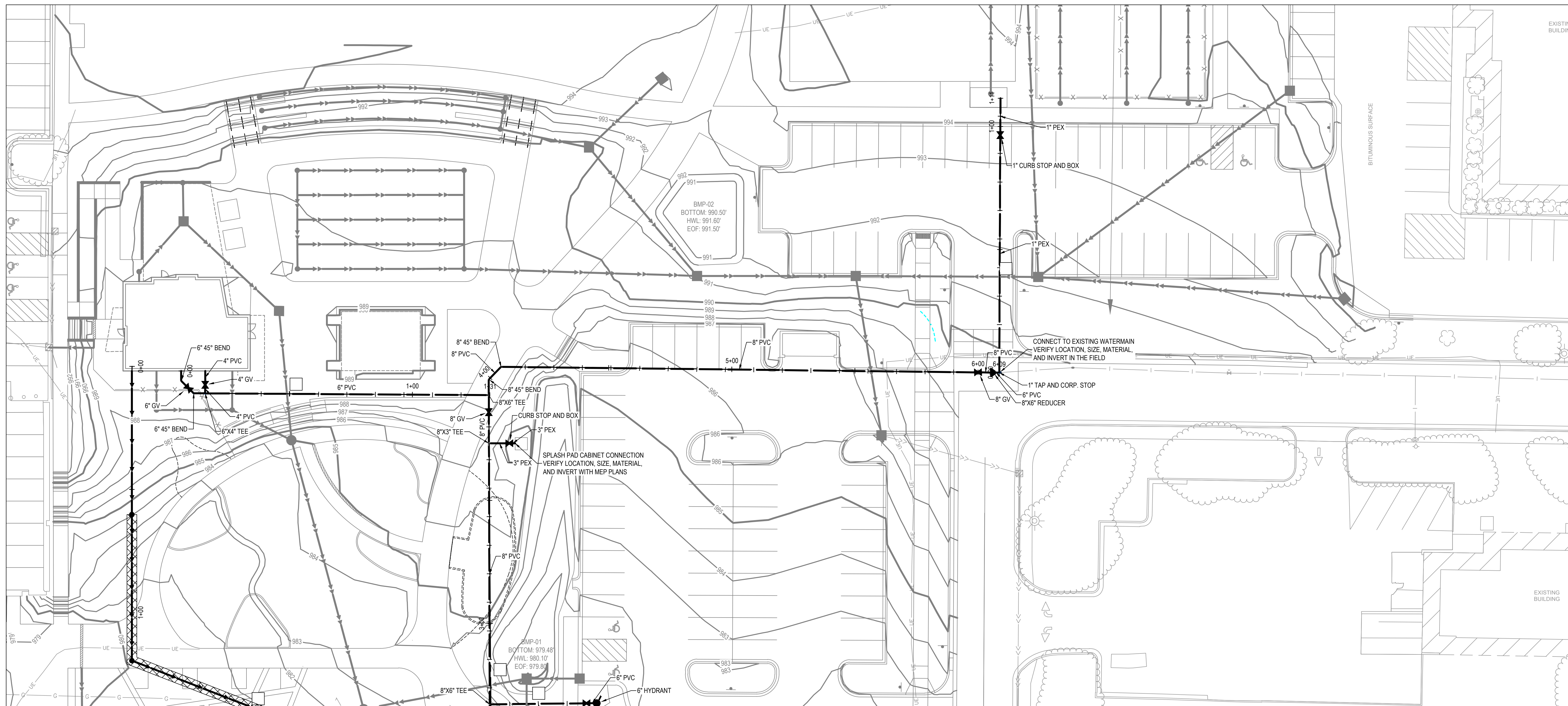
Daniel Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 1 UTILITY PLAN
AND PROFILE**

SHEET NUMBER
C-408

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
1	02/13/2024	BP1_ADDENDUM 1
2	02/23/2024	BP1_ADDENDUM 2
3	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
	03/28/2024	RPBCWD SUBMITTAL
4	04/10/2024	BP2_ADDENDUM 1
5	04/16/2024	BP2_ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL



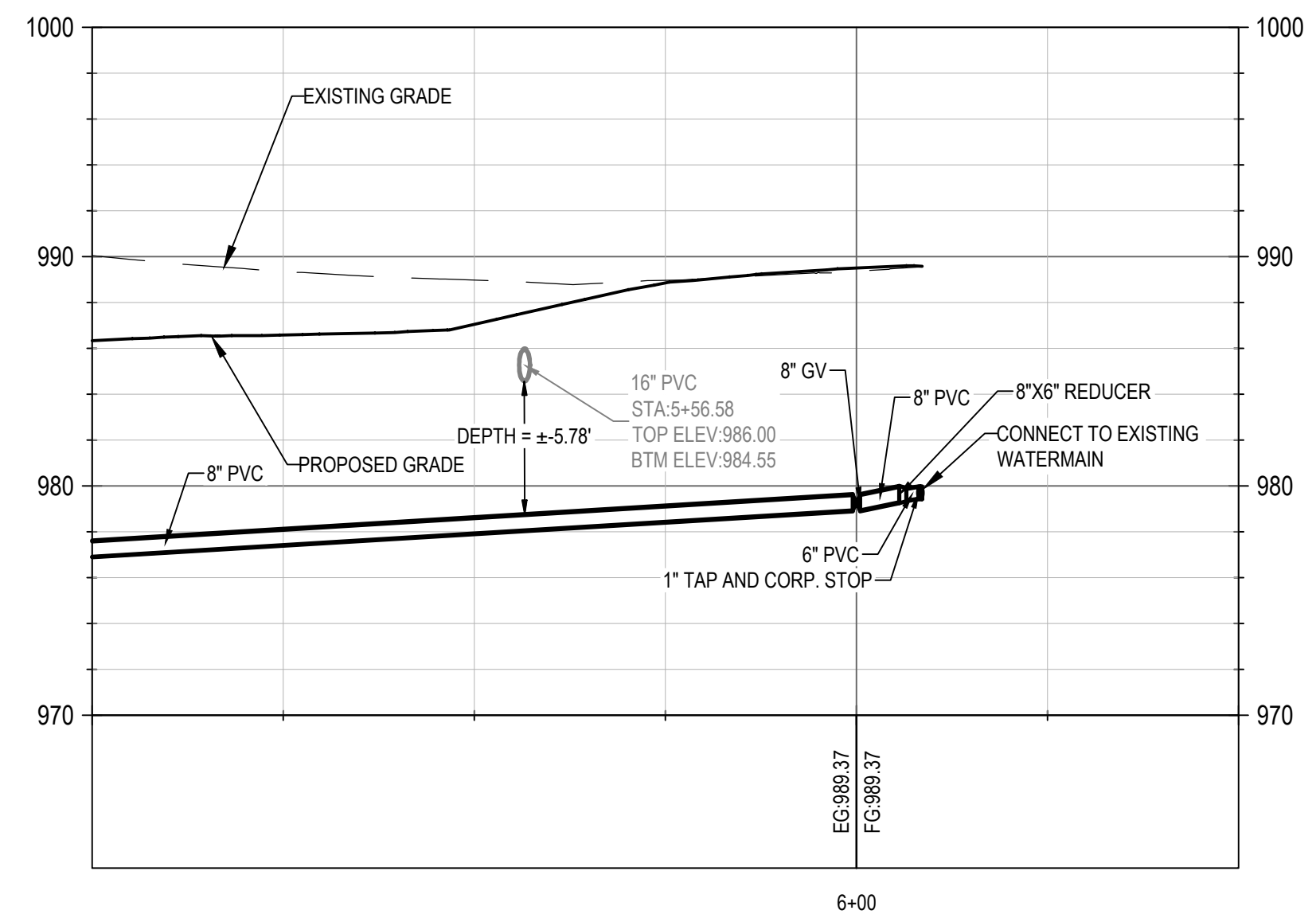
LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- - - EXISTING STORM SEWER
- - - EXISTING SANITARY SEWER
- - - EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- 901 PROPOSED MINOR CONTOUR
- 900 PROPOSED MAJOR CONTOUR
- - - GRADING LIMITS
- - - STORM SEWER
- - - DRAIN TILE
- - - SANITARY SEWER
- - - WATERMAIN
- - - WATER SERVICE
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER
- FIRE DEPARTMENT CONNECTION
- 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL 71C-807

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
- WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

SITE WATER MAIN PROFILE



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

D. Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

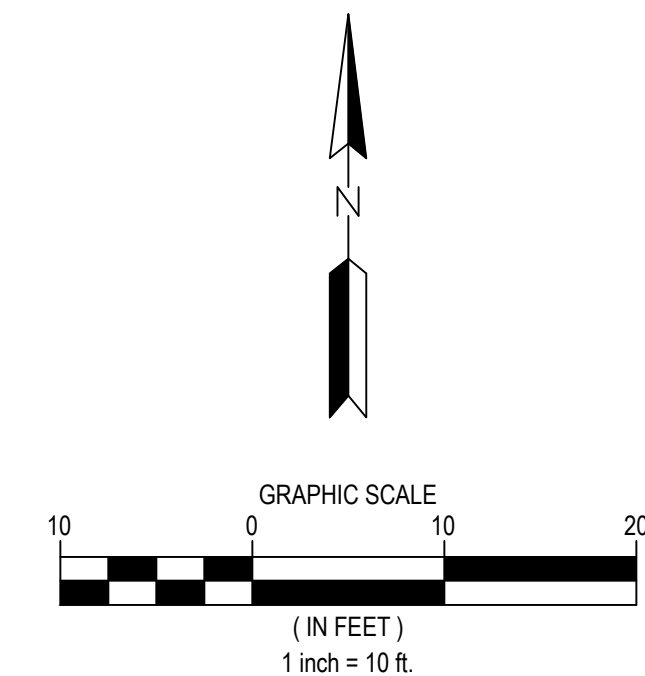
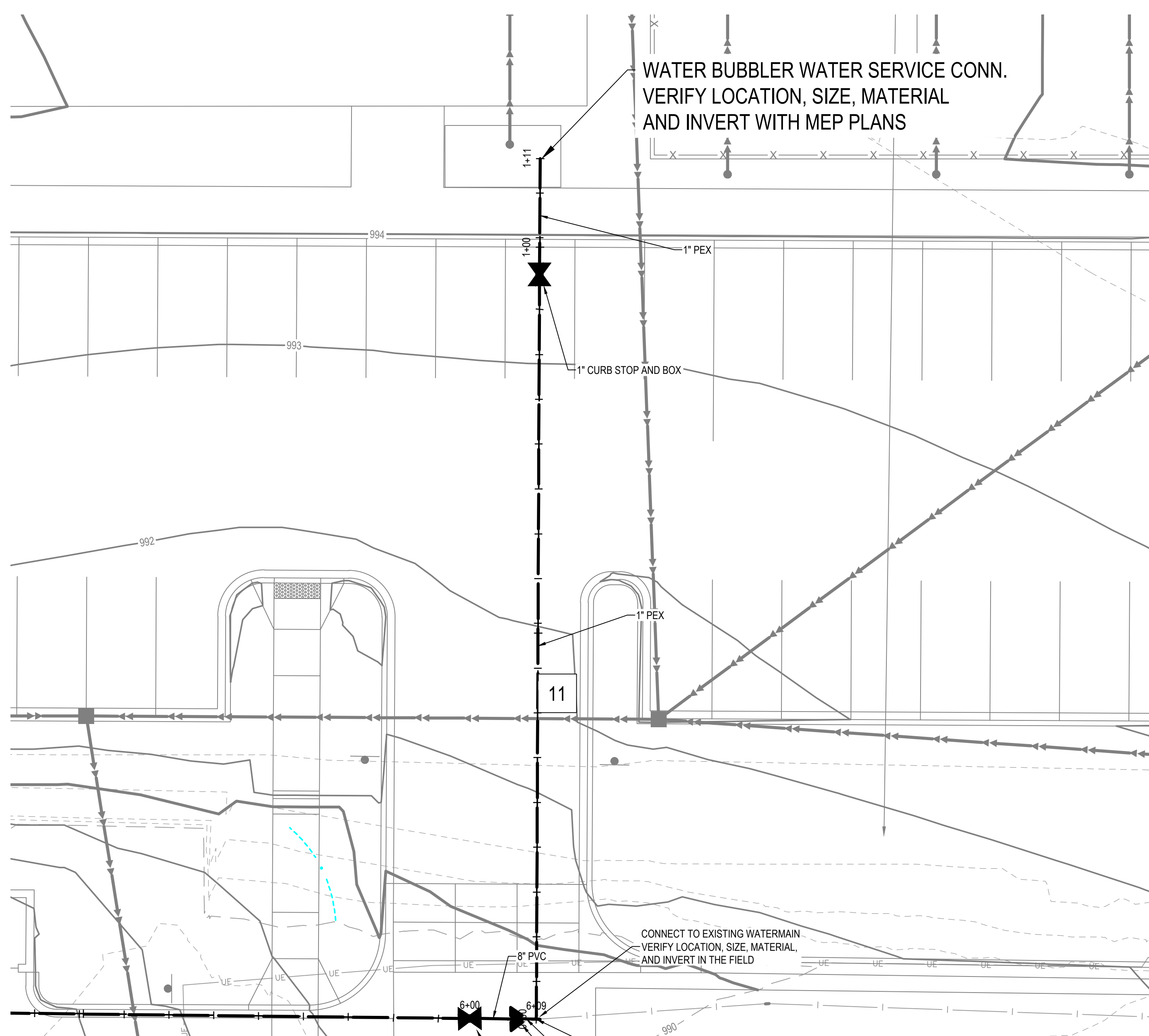
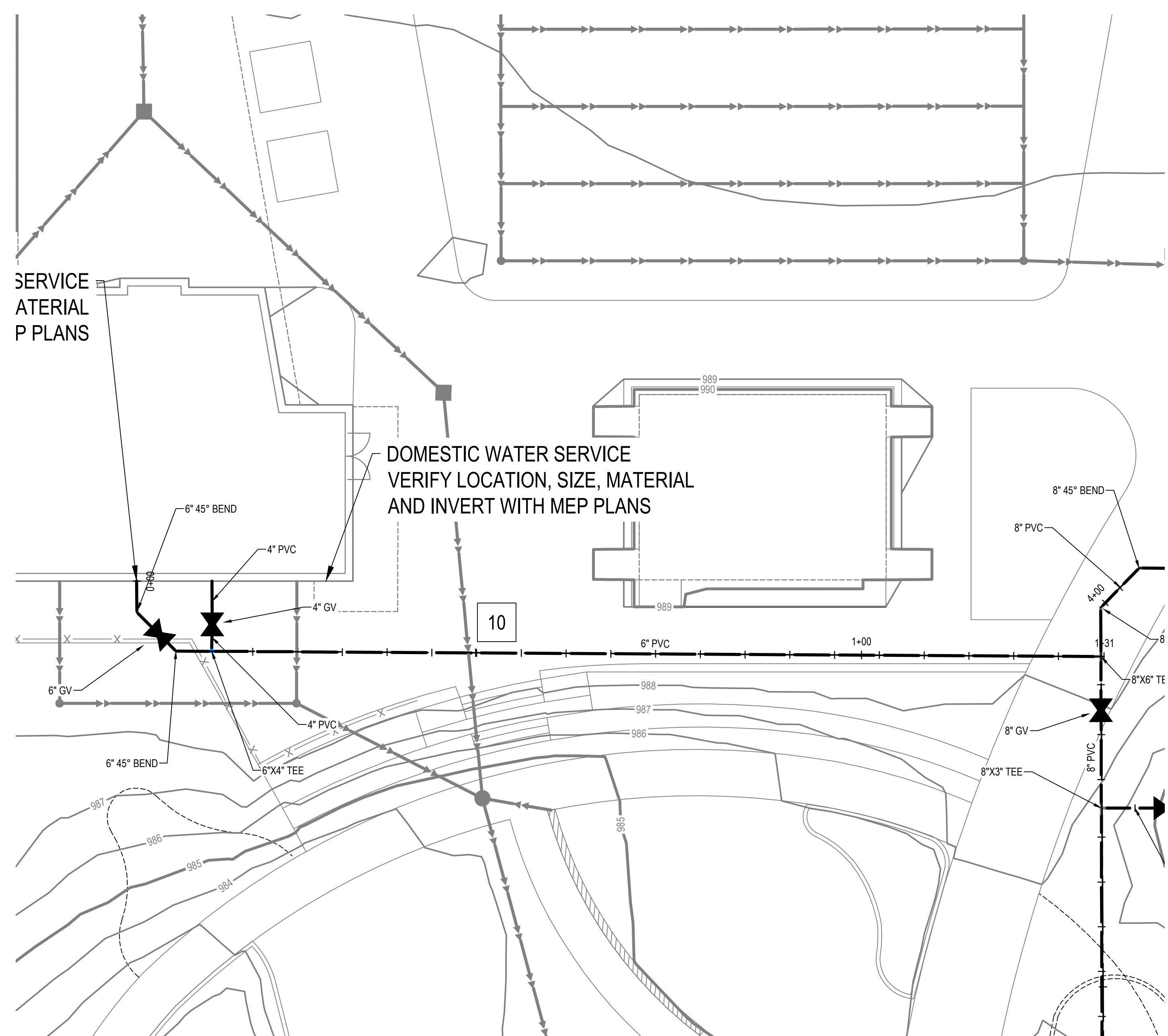
**PHASE 1 UTILITY PLAN
AND PROFILE**

SHEET NUMBER

C-409

\\bkv-gov\cadd\shared\jph\13133023\LONG_RESIDENT_CADD\PHASE1\BID-CADD\UTILITY\PLAN\ANG-217024\WHEELER_HALEY

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
4	03/28/2024	RPBCWD SUBMITTAL
5	04/10/2024	BP2_ADDENDUM 1
6	04/16/2024	BP2_ADDENDUM 2
7	04/22/2024	RPBCWD RESUBMITTAL
8	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL



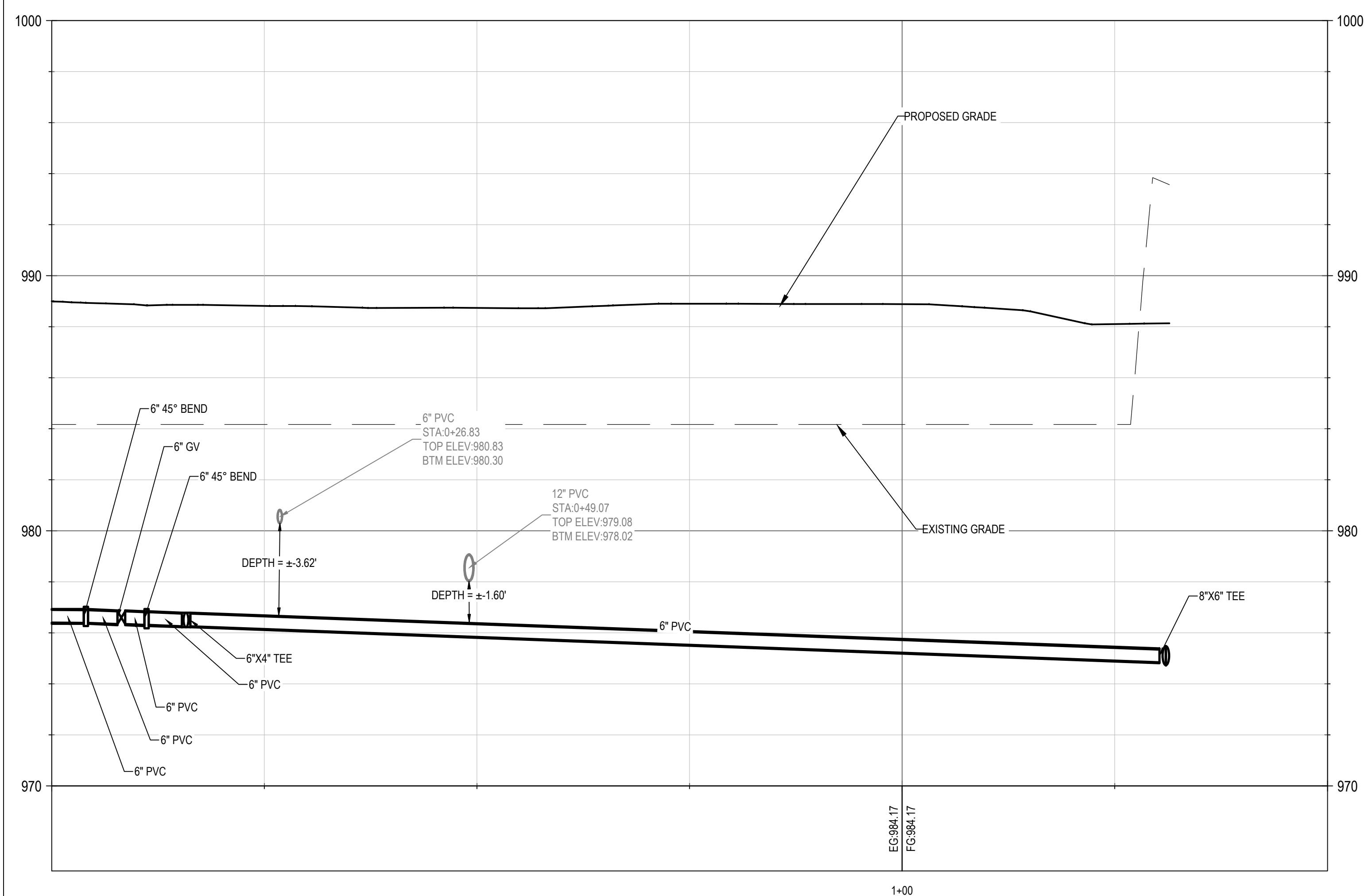
LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- >->- EXISTING STORM SEWER
- >->- EXISTING SANITARY SEWER
- >->- EXISTING WATERMAIN
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING STORM SEWER MANHOLE
- ⊙ EXISTING STORM SEWER INLET
- ⊙ EXISTING HYDRANT
- ⊙ EXISTING WATER VALVE
- 901 PROPOSED MINOR CONTOUR
- 900 PROPOSED MAJOR CONTOUR
- - - GRADING LIMITS
- >->- STORM SEWER
- >->- DRAIN TILE
- >->- SANITARY SEWER
- >->- WATERMAIN
- >->- WATER SERVICE
- STORM MANHOLE
- STORM CATCH BASIN
- ▭ FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP
- REDUCER
- ▨ FIRE DEPARTMENT CONNECTION
- ▨ 4" MINIMUM RIGID STYROFOAM INSULATION - SEE DETAIL TC-807

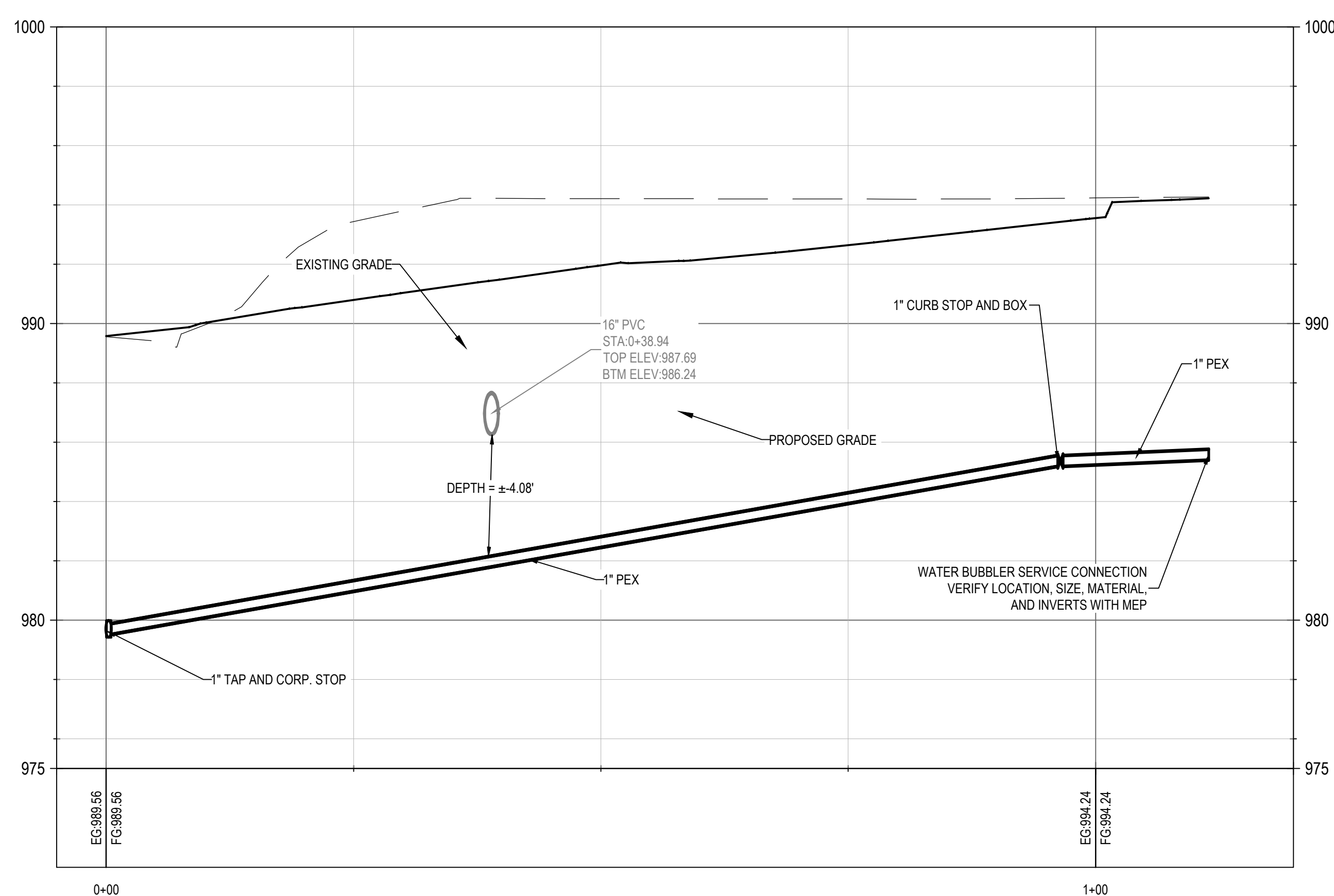
NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.
- CONTRACTOR SHALL VERIFY LOCATION, SIZE, INVERT, AND MATERIAL OF ALL UTILITY CONNECTIONS TO UTILITY MAINS.
- WATERMAIN WILL BE INSTALLED IN STRICT ACCORDANCE WITH THE MOST CURRENT EDITION OF THE CITY ENGINEERS ASSOCIATION OF MINNESOTA (CEAM) SPECIFICATIONS.

PAVILION TO WATER MAIN PROFILE



DRINKING FOUNTAIN SERVICE PROFILE



WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

D. Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 UTILITY PLAN
AND PROFILE**

SHEET NUMBER

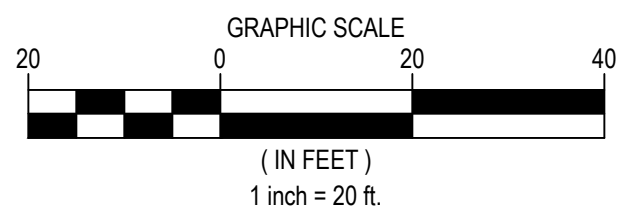
C-410



CHANHASSEN CIVIC CAMPUS

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/29/2024	RPB/CWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPB/CWD RESUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPB/CWD RESUBMITTAL

SEE SHEET C-504



LEGEND

- 901 --- EXISTING MINOR CONTOUR
- 900 --- EXISTING MAJOR CONTOUR
- >--- EXISTING STORM SEWER
- >--- EXISTING SANITARY SEWER
- >--- EXISTING WATERMAIN
- >--- EXISTING SANITARY MANHOLE
- >--- EXISTING STORM SEWER MANHOLE
- >--- EXISTING STORM SEWER INLET
- >--- EXISTING HYDRANT
- >--- EXISTING WATER VALVE
- >--- PROPOSED MINOR CONTOUR
- >--- PROPOSED MAJOR CONTOUR
- >--- GRADING LIMITS
- >--- STORM SEWER
- >--- DRAINILE
- >--- SANITARY SEWER
- >--- WATERMAIN
- >--- STORM MANHOLE
- >--- STORM CATCH BASIN
- >--- FLARED END SECTION
- >--- STORM CLEANOUT
- >--- SANITARY MANHOLE
- >--- CLEANOUT
- >--- HYDRANT
- >--- GATE VALVE
- >--- CURB STOP

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.

KEYNOTES

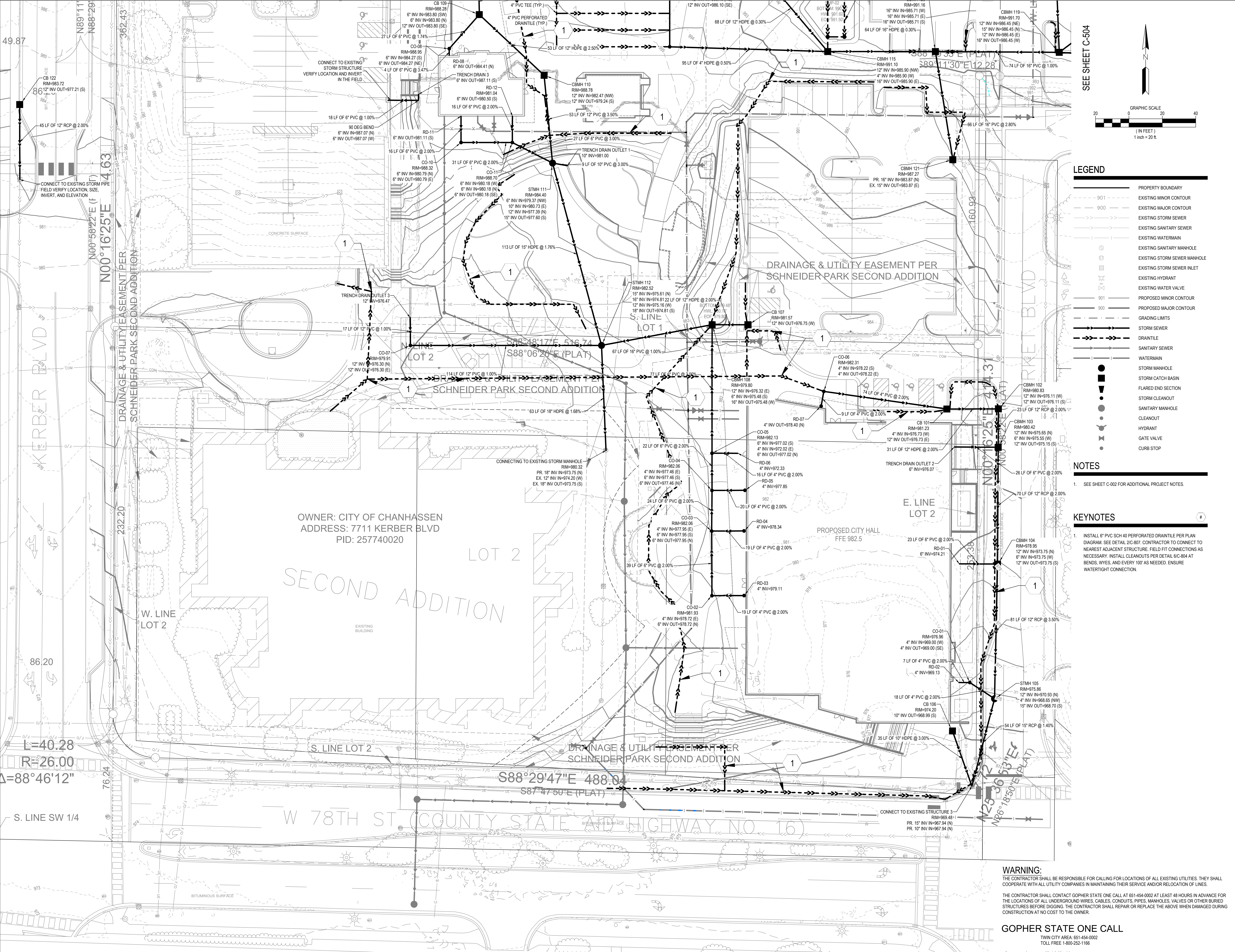
- INSTALL 6" PVC SCH 40 PERFORATED DRAINILE PER PLAN DIAGRAM. SEE DETAIL 2C-807. CONTRACTOR TO CONNECT TO NEAREST ADJACENT STRUCTURE. FIELD FIT CONNECTIONS AS NECESSARY. INSTALL CLEANOUTS PER DETAIL 6C-804 AT BENDS, WYES, AND EVERY 100' AS NEEDED. ENSURE WATERTIGHT CONNECTION.

OWNER: CITY OF CHANHASSEN
ADDRESS: 7711 KERBER BLVD
PID: 257740020

LOT 2
SECOND ADDITION

DRAINAGE & UTILITY EASEMENT PER
SCHNEIDER PARK SECOND ADDITION

DRAINAGE & UTILITY EASEMENT PER
SCHNEIDER PARK SECOND ADDITION



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Dana
DANA LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###
SHEET TITLE

PHASE 1 STORM SEWER PLAN

SHEET NUMBER
C-502

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/29/2024	RPBCWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPBCWD RESUBMITTAL
10	05/10/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPBCWD RESUBMITTAL

LEGEND

- PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- GRADING LIMITS
- STORM SEWER
- DRAINAGE
- SANITARY SEWER
- WATERMAIN
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP

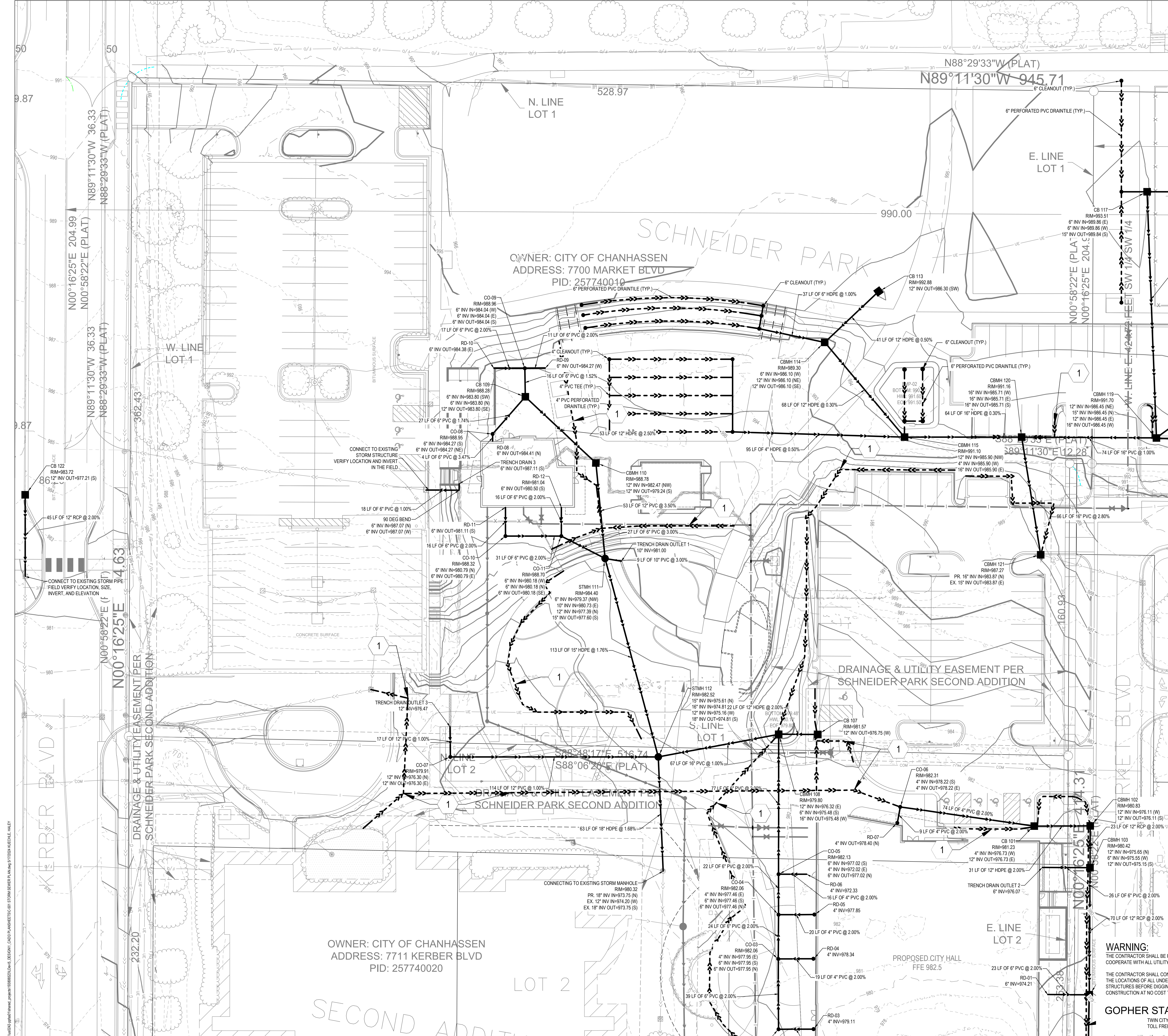
NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.

KEYNOTES

- INSTALL 6" PVC SCH 40 PERFORATED DRAINAGE PER PLAN DIAGRAM. SEE DETAIL 2C-807. CONTRACTOR TO CONNECT TO NEAREST ADJACENT STRUCTURE. FIELD FIT CONNECTIONS AS NECESSARY. INSTALL CLEANOUTS PER DETAIL 6C-804 AT BENDS, WYES, AND EVERY 100' AS NEEDED. ENSURE WATERTIGHT CONNECTION.

SEE SHEET C-504



OWNER: CITY OF CHANHASSEN
ADDRESS: 7700 MARKET BLVD
PID: 257740010

OWNER: CITY OF CHANHASSEN
ADDRESS: 7711 KERBER BLVD
PID: 257740020

DRAINAGE & UTILITY EASEMENT PER
SCHNEIDER PARK SECOND ADDITION

SCHNEIDER PARK SECOND ADDITION

PROPOSED CITY HALL
FFE 982.5

15/02/2024 10:00 AM
 PROJECT: CHANHASSEN CIVIC CAMPUS
 DRAWING: STORM SEWER PLAN PHASE 2 NORTHWEST
 DESIGNED BY: JACOB L. HALEY
 CHECKED BY: JACOB L. HALEY
 DATE: 05/17/2024

WARNING:

THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

Dana Lavender
DANA LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 NORTHWEST
STORM SEWER PLAN**

SHEET NUMBER
C-503

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
5	03/14/2024	BID PACKAGE 2
6	03/28/2024	RPB/CWD SUBMITTAL
7	04/10/2024	BP2_ADDENDUM 1
8	04/16/2024	BP2_ADDENDUM 2
9	04/22/2024	RPB/CWD RESUBMITTAL
10	05/14/2024	CITY REVIEW
11	05/14/2024	CONFORM SET
12	05/17/2024	RPB/CWD RESUBMITTAL

LEGEND

- PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- GRADING LIMITS
- STORM SEWER
- DRAIN TILE
- SANITARY SEWER
- WATERMAIN
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.

KEYNOTES

- INSTALL 6" PVC SCH 40 PERFORATED DRAIN TILE PER PLAN DIAGRAM. SEE DETAIL 2/C-807. CONTRACTOR TO CONNECT TO NEAREST ADJACENT STRUCTURE. FIELD FIT CONNECTIONS AS NECESSARY. INSTALL CLEANOUTS PER DETAIL 6/C-804 AT BENDS, WYES, AND EVERY 100' AS NEEDED. ENSURE WATERTIGHT CONNECTION.

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

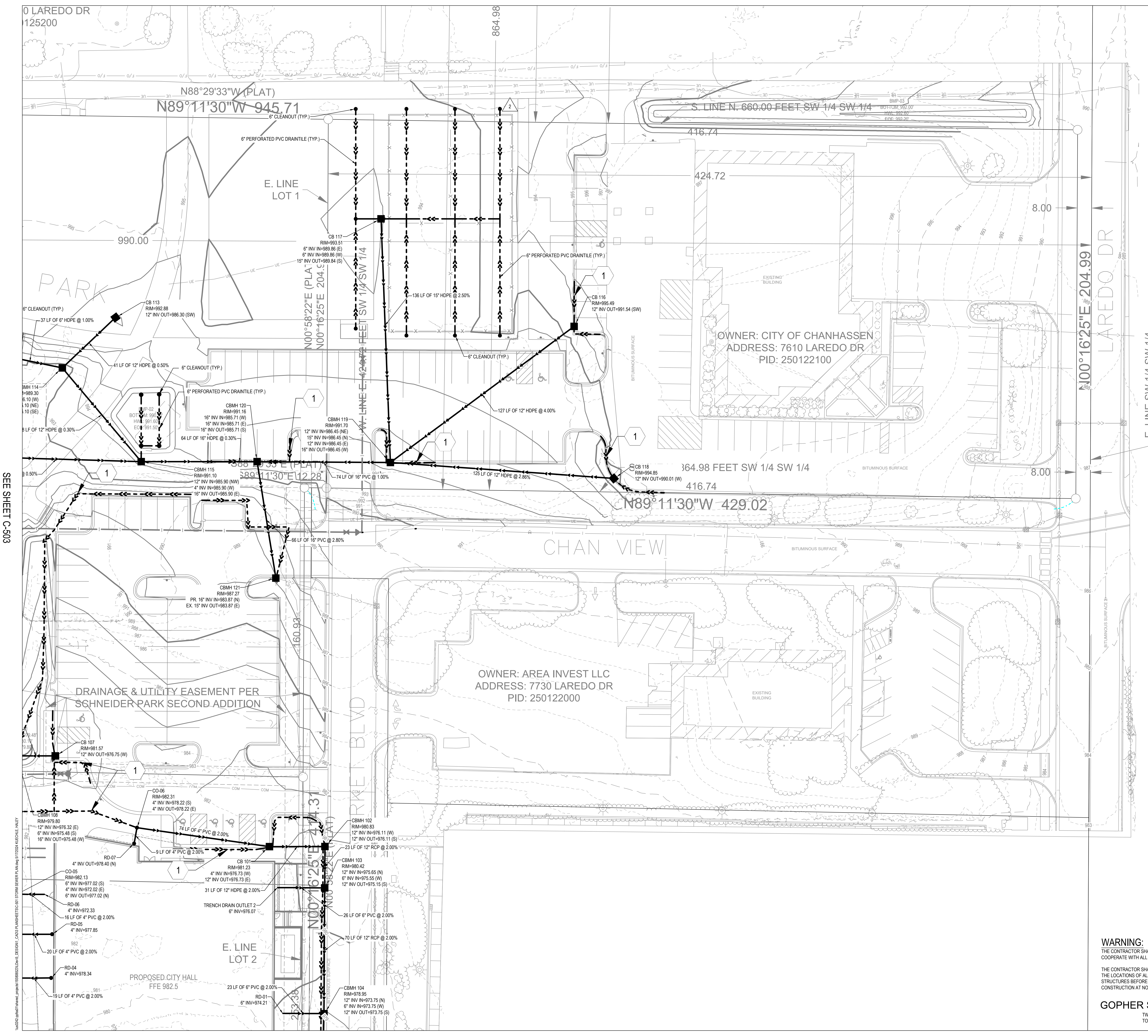
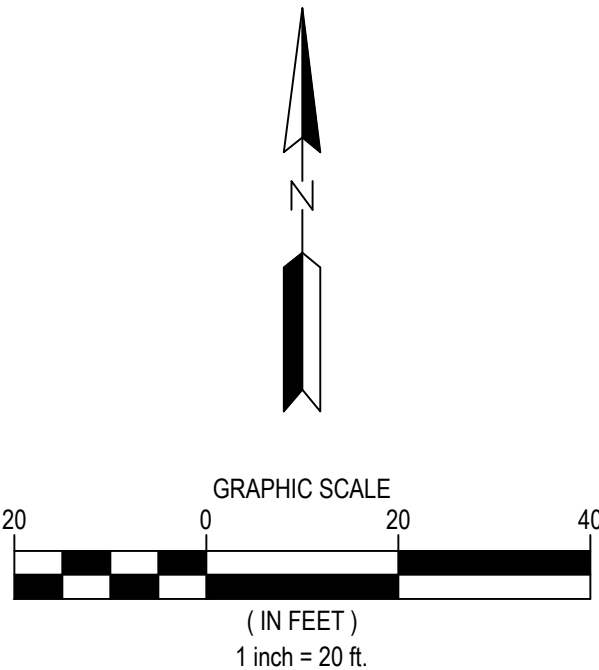
Dana
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 NORTHEAST
STORM SEWER PLAN**

SHEET NUMBER

C-504



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE 1-800-252-1166

SEE SHEET C-503

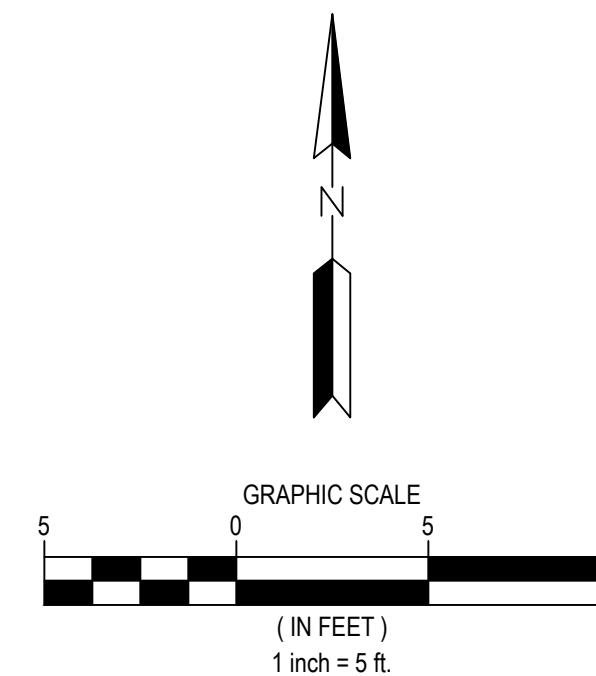
ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
1	02/13/2024	BP1_ADDENDUM 1
2	02/23/2024	BP1_ADDENDUM 2
3	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
4	03/28/2024	RPBCWD SUBMITTAL
4	04/10/2024	BP2_ADDENDUM 1
5	04/16/2024	BP2_ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL

SCHNEIDER P

OWNER: CITY OF CHANHASSEN

ADDRESS: 7700 MARKET BLVD

PID: 257740010

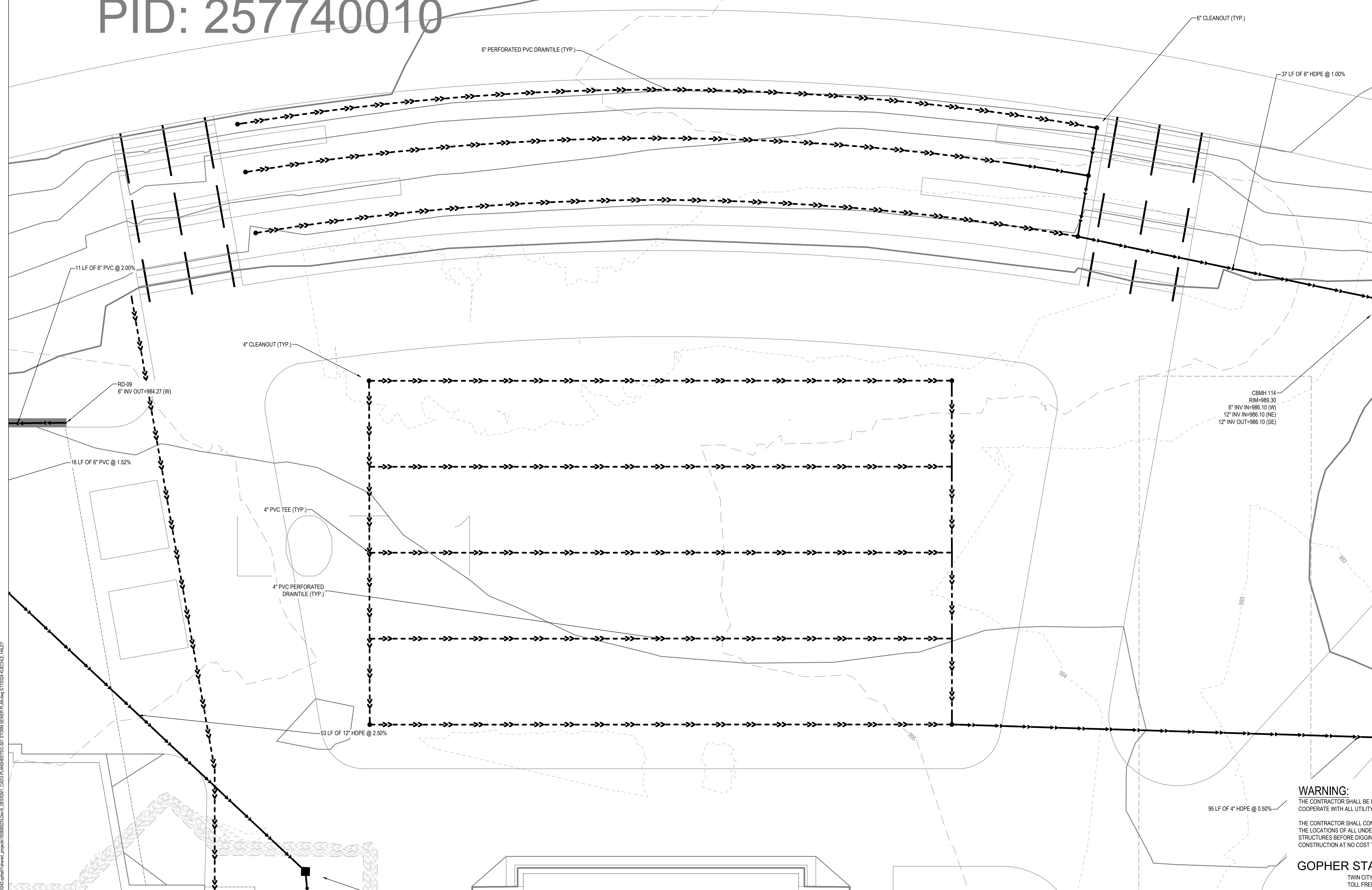


LEGEND

- PROPERTY BOUNDARY
- EXISTING MINOR CONTOUR
- EXISTING MAJOR CONTOUR
- EXISTING STORM SEWER
- EXISTING SANITARY SEWER
- EXISTING WATERMAIN
- EXISTING SANITARY MANHOLE
- EXISTING STORM SEWER MANHOLE
- EXISTING STORM SEWER INLET
- EXISTING HYDRANT
- EXISTING WATER VALVE
- PROPOSED MINOR CONTOUR
- PROPOSED MAJOR CONTOUR
- GRADING LIMITS
- STORM SEWER
- DRAINTILE
- SANITARY SEWER
- WATERMAIN
- STORM MANHOLE
- STORM CATCH BASIN
- FLARED END SECTION
- STORM CLEANOUT
- SANITARY MANHOLE
- CLEANOUT
- HYDRANT
- GATE VALVE
- CURB STOP

NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.



WARNING:
THE CONTRACTOR SHALL BE RESPONSIBLE FOR CALLING FOR LOCATIONS OF ALL EXISTING UTILITIES. THEY SHALL COOPERATE WITH ALL UTILITY COMPANIES IN MAINTAINING THEIR SERVICE AND/OR RELOCATION OF LINES.

THE CONTRACTOR SHALL CONTACT GOPHER STATE ONE CALL AT 651-454-0002 AT LEAST 48 HOURS IN ADVANCE FOR THE LOCATIONS OF ALL UNDERGROUND WIRES, CABLES, CONDUITS, PIPES, MANHOLES, VALVES OR OTHER BURIED STRUCTURES BEFORE DIGGING. THE CONTRACTOR SHALL REPAIR OR REPLACE THE ABOVE WHEN DAMAGED DURING CONSTRUCTION AT NO COST TO THE OWNER.

GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

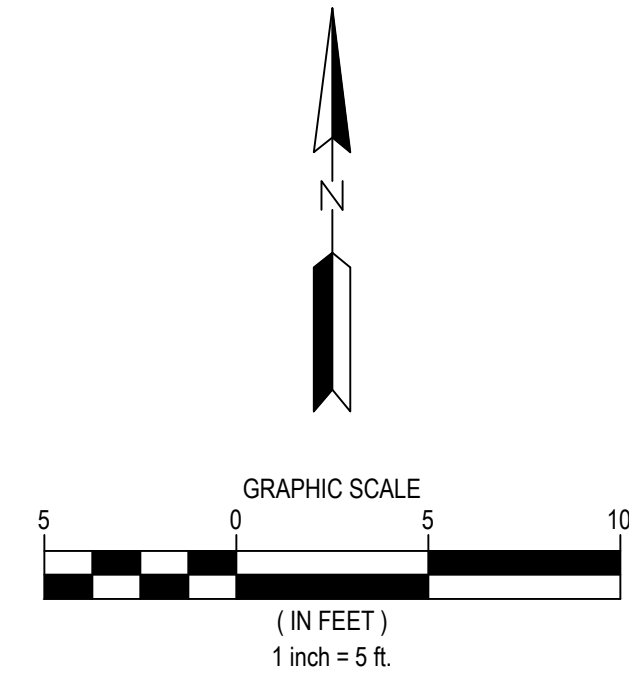
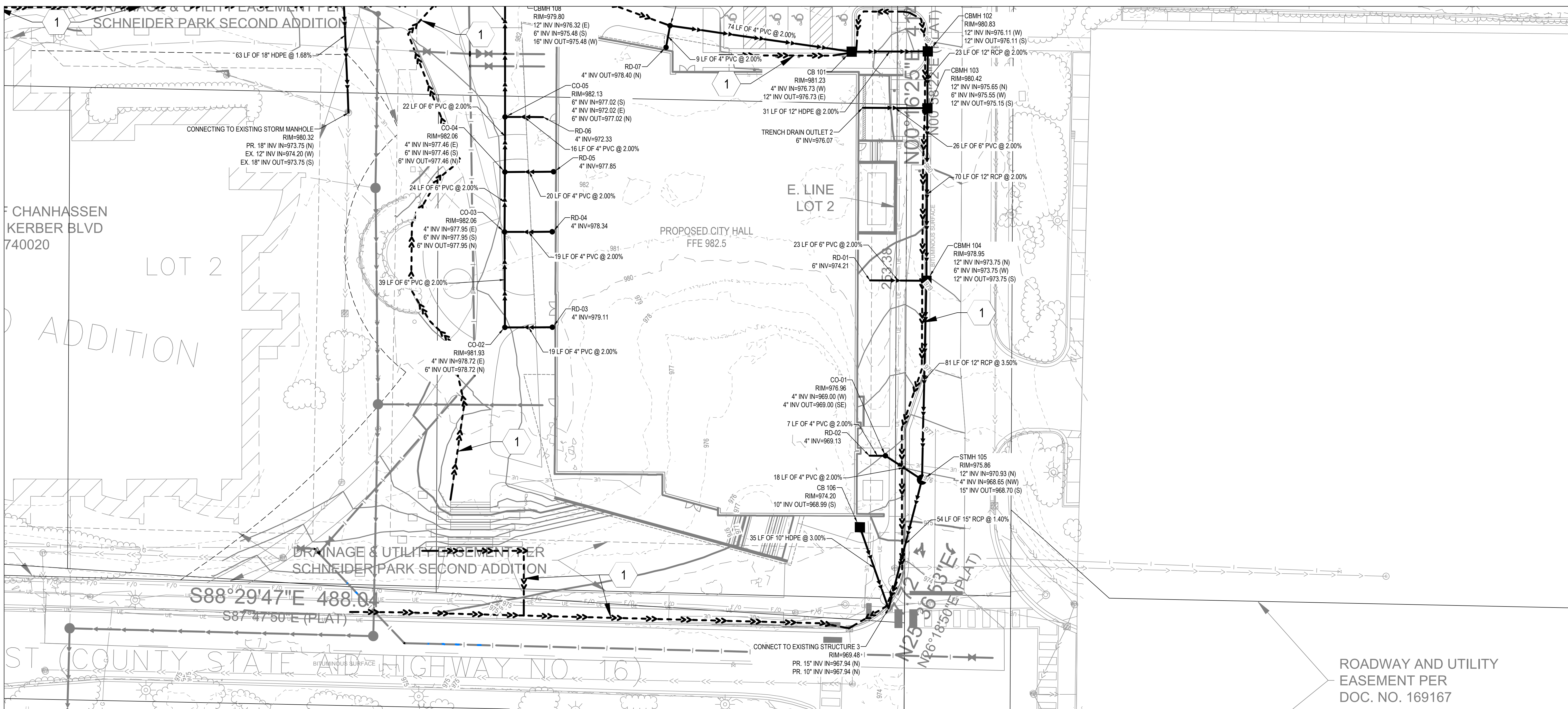
D. Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**PHASE 2 NORTHEAST
STORM SEWER PLAN**

SHEET NUMBER
C-505

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
2	02/13/2024	BP1_ADDENDUM 1
3	02/23/2024	BP1_ADDENDUM 2
4	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
5	03/28/2024	RPBCWD SUBMITTAL
6	04/10/2024	BP2_ADDENDUM 1
7	04/16/2024	BP2_ADDENDUM 2
8	04/22/2024	RPBCWD RESUBMITTAL
9	05/10/2024	CITY REVIEW
10	05/14/2024	CONFORM SET
11	05/17/2024	RPBCWD RESUBMITTAL



LEGEND

- PROPERTY BOUNDARY
- - - 901 EXISTING MINOR CONTOUR
- - - 900 EXISTING MAJOR CONTOUR
- - - EXISTING STORM SEWER
- - - EXISTING SANITARY SEWER
- - - EXISTING WATERMAIN
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING SANITARY MANHOLE
- ⊙ EXISTING STORM SEWER MANHOLE
- ⊙ EXISTING STORM SEWER INLET
- ⊙ EXISTING HYDRANT
- ⊙ EXISTING WATER VALVE
- - - 901 PROPOSED MINOR CONTOUR
- - - 900 PROPOSED MAJOR CONTOUR
- - - GRADING LIMITS
- STORM SEWER
- DRAIN TILE
- SANITARY SEWER
- WATERMAIN
- ⊙ STORM MANHOLE
- ⊙ STORM CATCH BASIN
- ⊙ FLARED END SECTION
- ⊙ STORM CLEANOUT
- ⊙ SANITARY MANHOLE
- ⊙ CLEANOUT
- ⊙ HYDRANT
- ⊙ GATE VALVE
- ⊙ CURB STOP

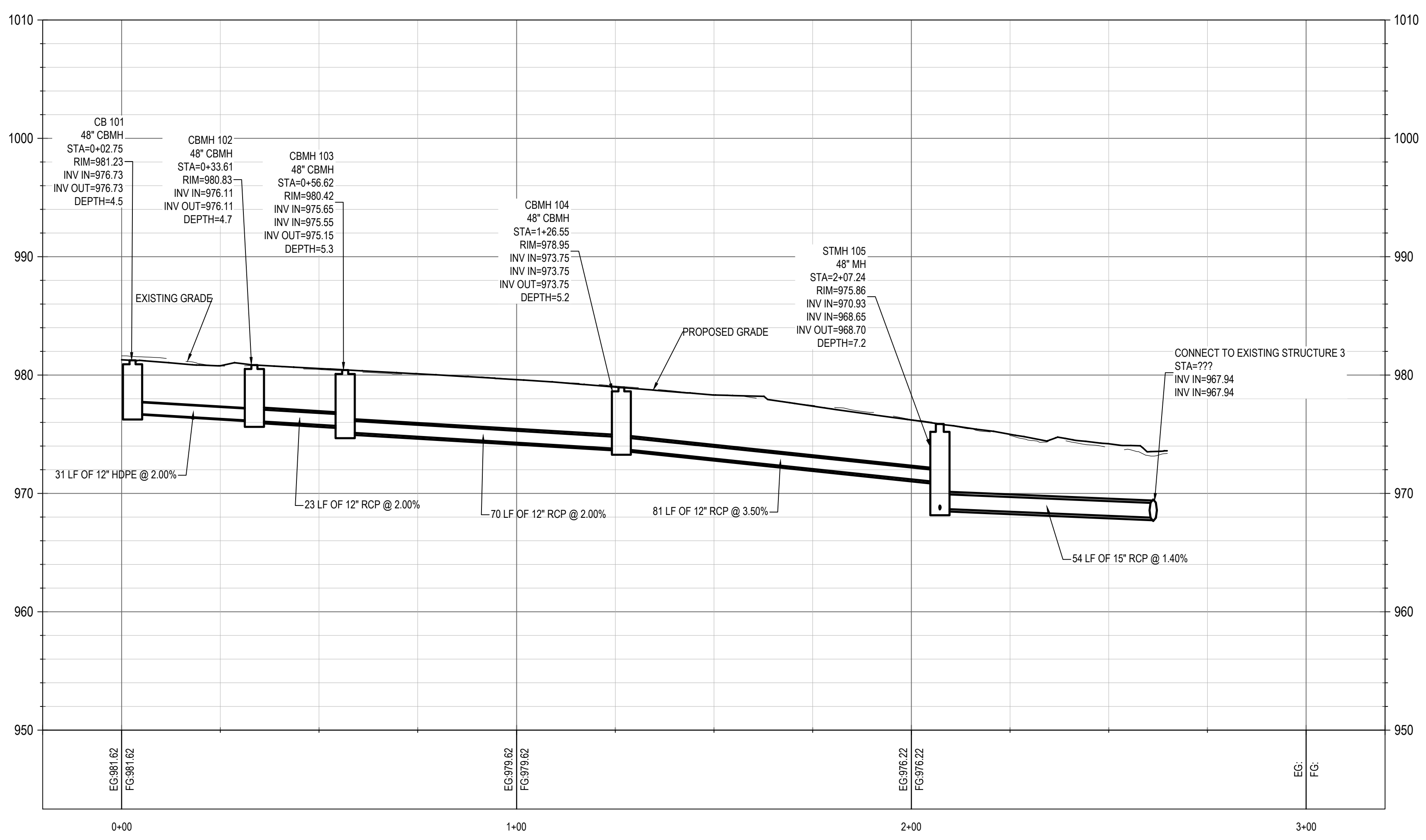
NOTES

- SEE SHEET C-002 FOR ADDITIONAL PROJECT NOTES.

KEYNOTES

- INSTALL 6" PVC SCH 40 PERFORATED DRAIN TILE PER PLAN DIAGRAM. SEE DETAIL 2/C-807. CONTRACTOR TO CONNECT TO NEAREST ADJACENT STRUCTURE. FIELD FIT CONNECTIONS AS NECESSARY. INSTALL CLEANOUTS PER DETAIL 6/C-804 AT BENDS, WYES, AND EVERY 100' AS NEEDED. ENSURE WATERTIGHT CONNECTION.

CB 102 TO EXISTING ROAD PROFILE



WARNING:
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GOPHER STATE ONE CALL
TWIN CITY AREA: 651-454-0002
TOLL FREE: 1-800-252-1166

CERTIFICATION

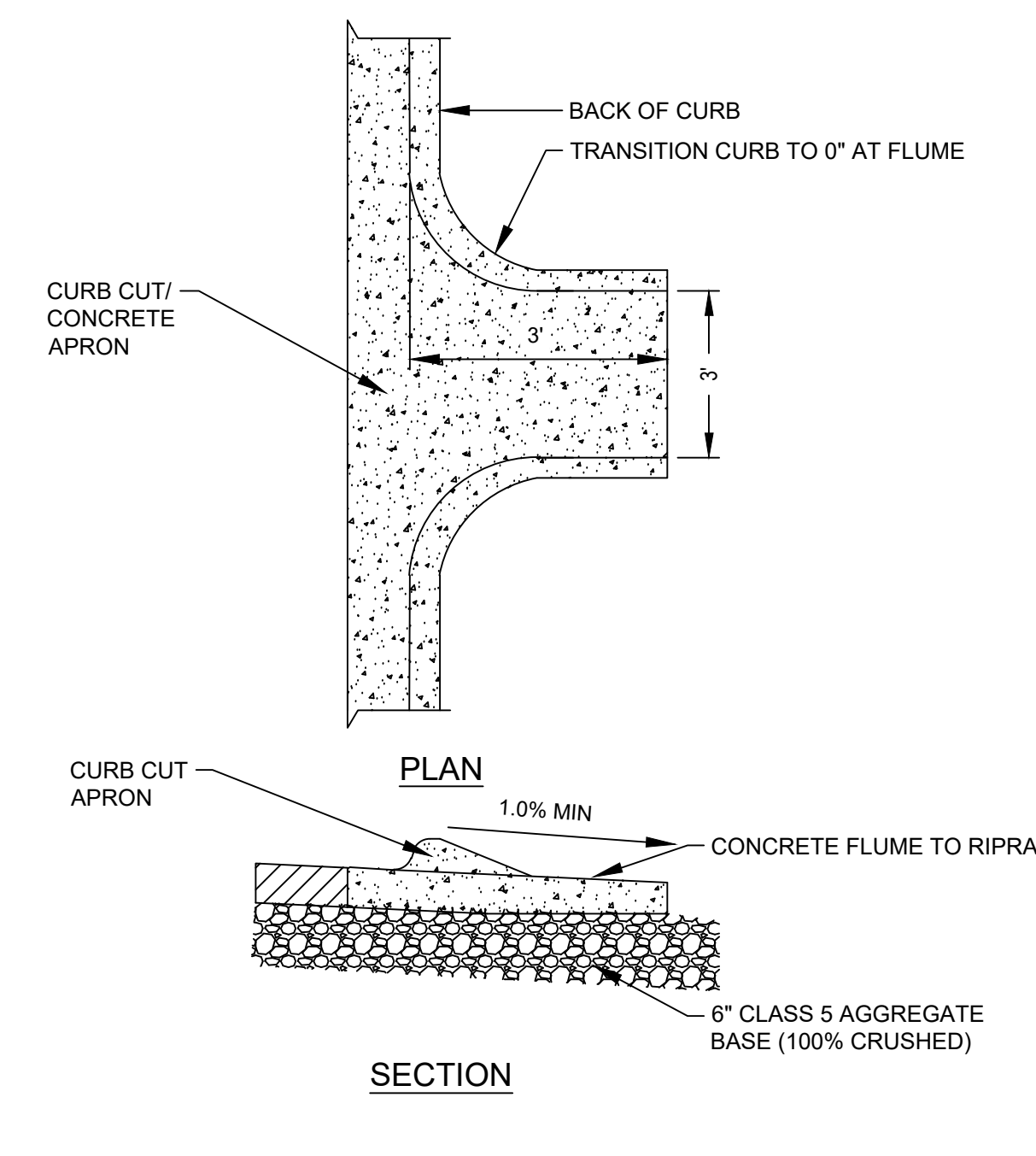
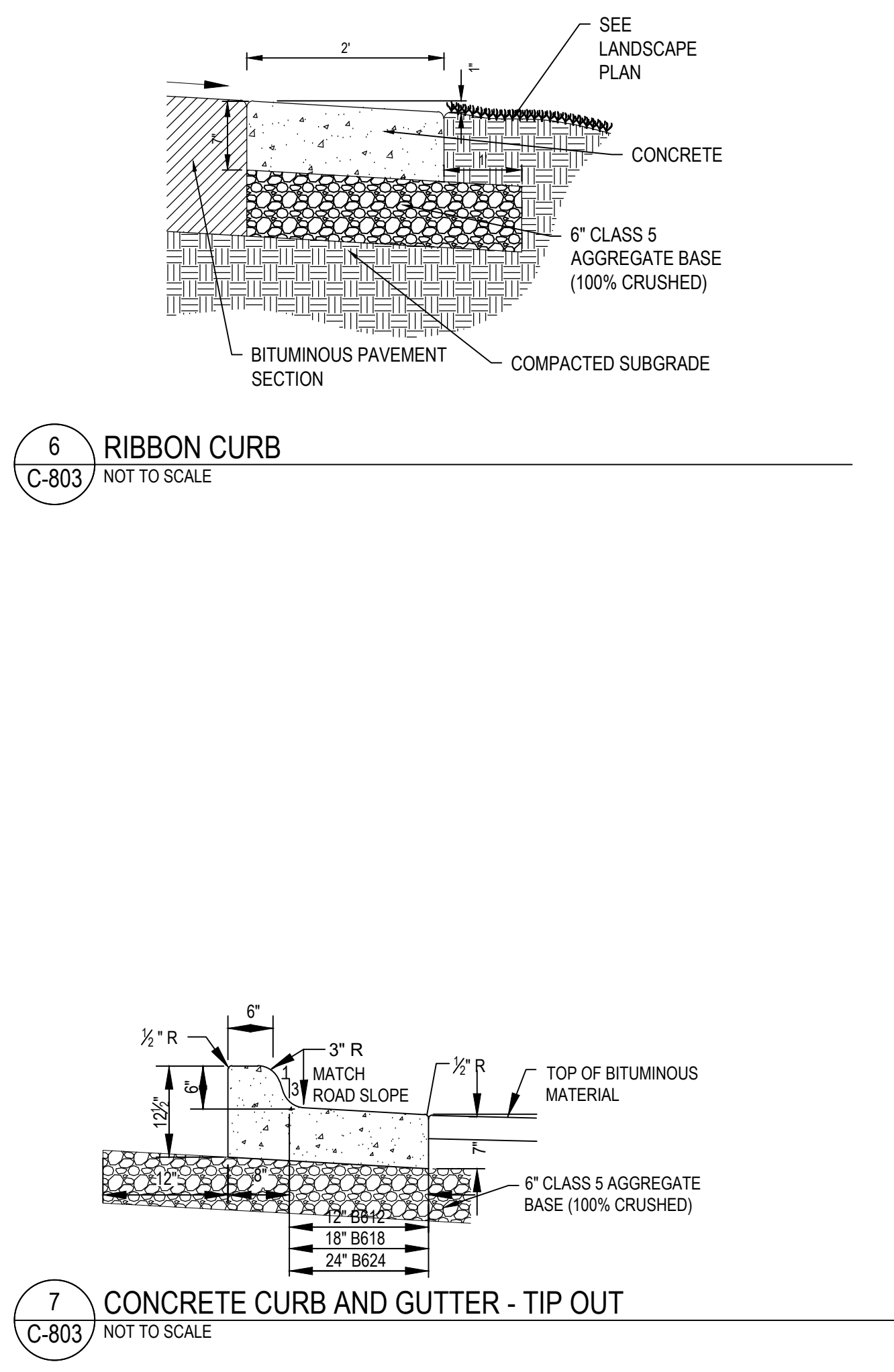
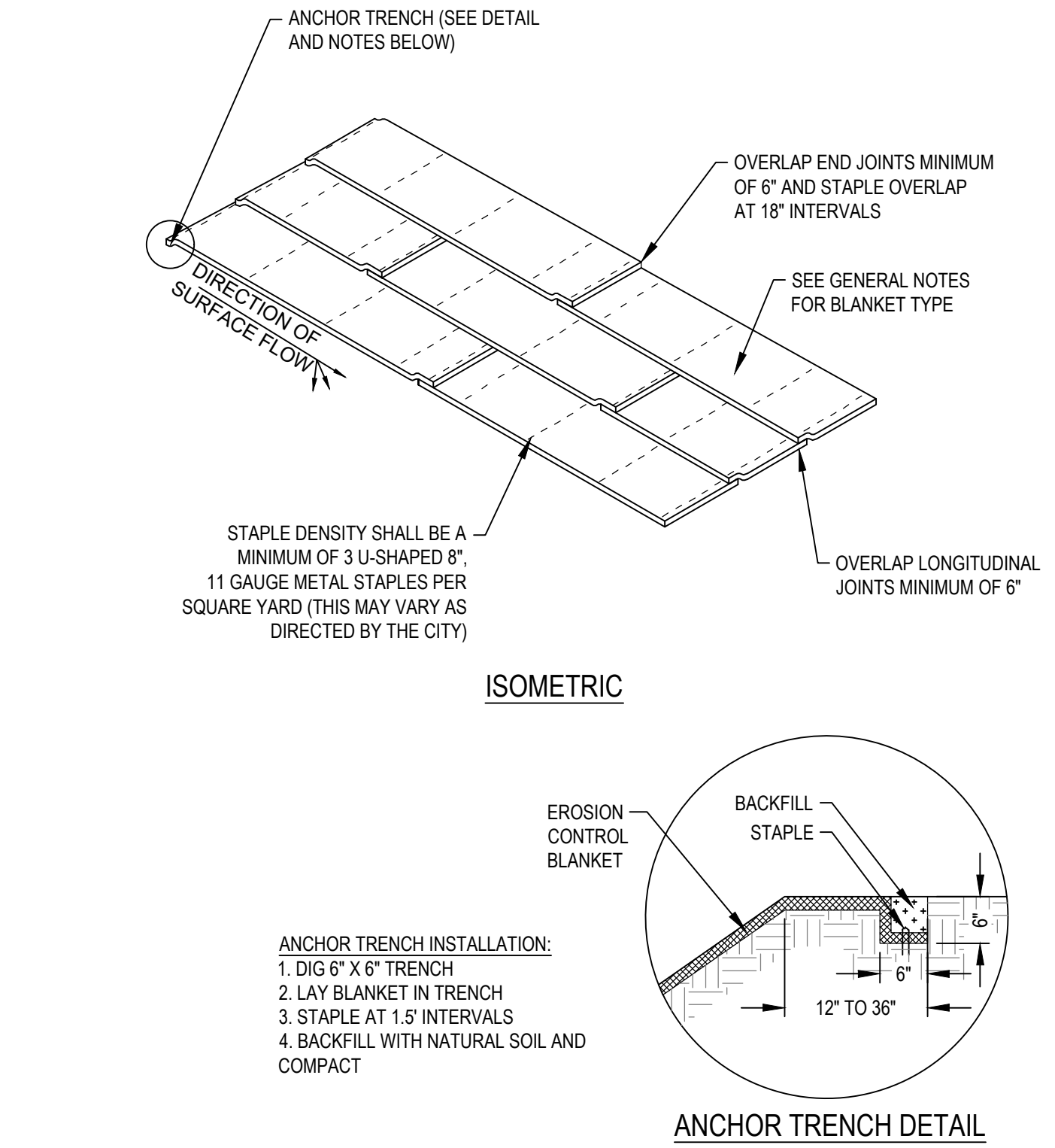
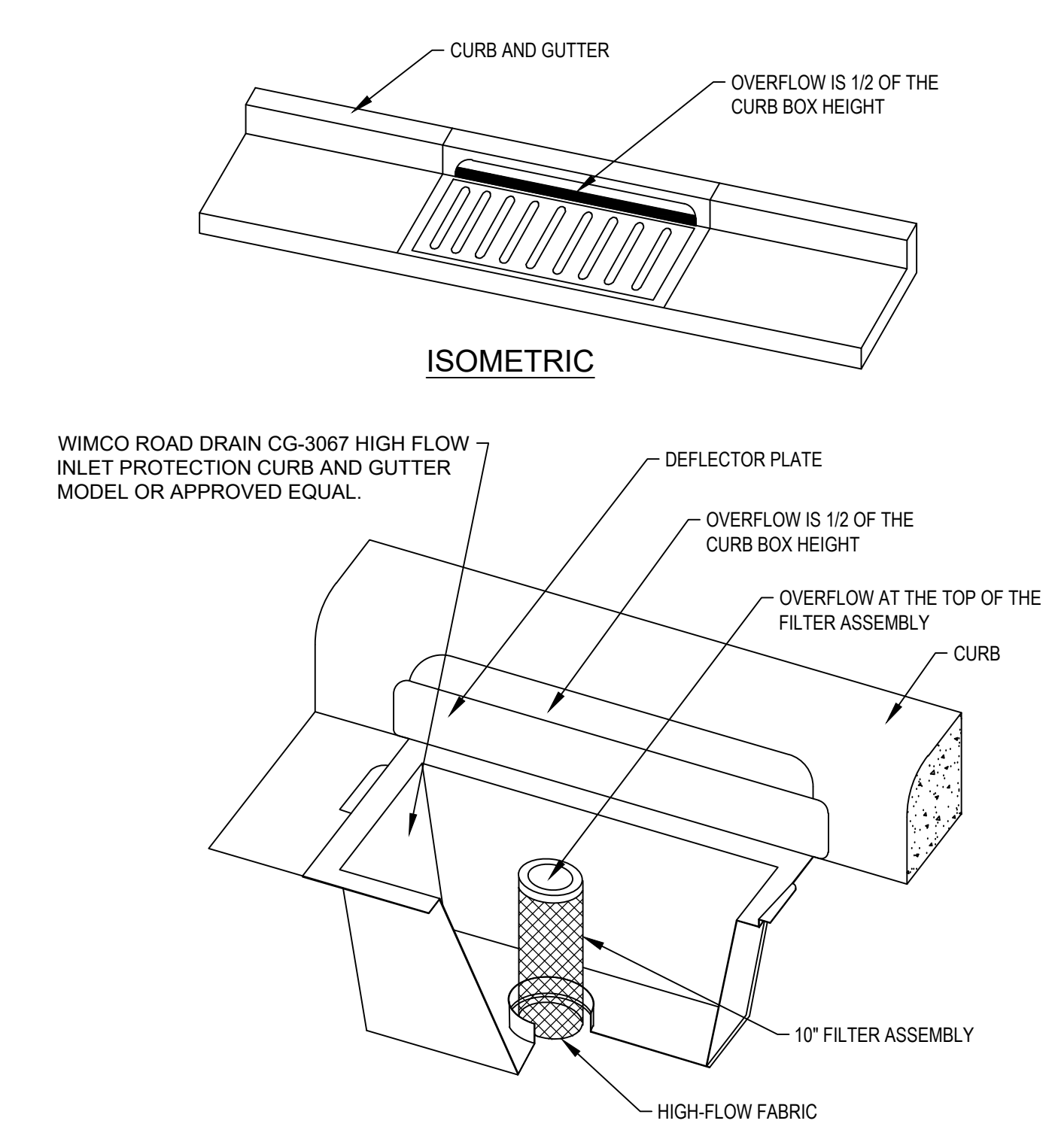
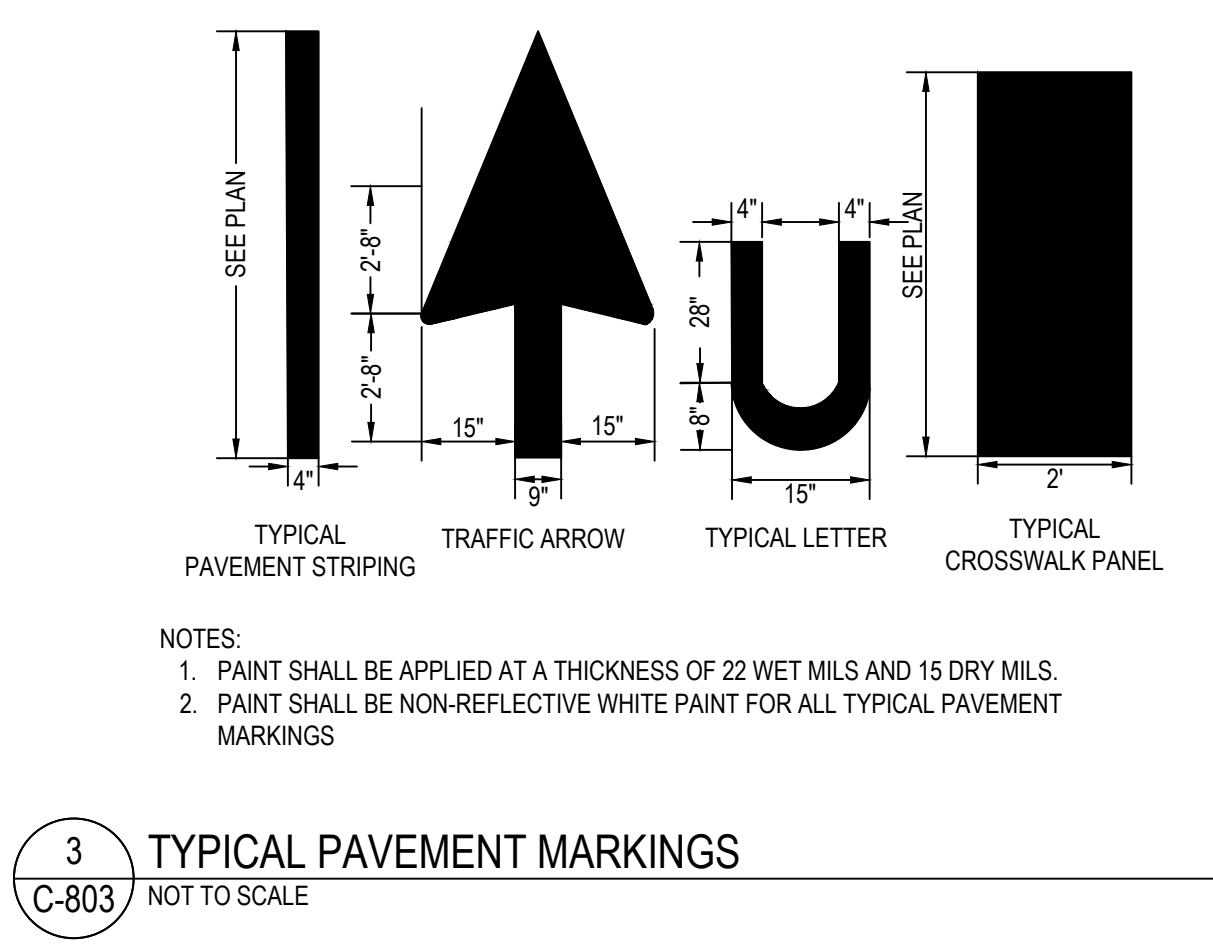
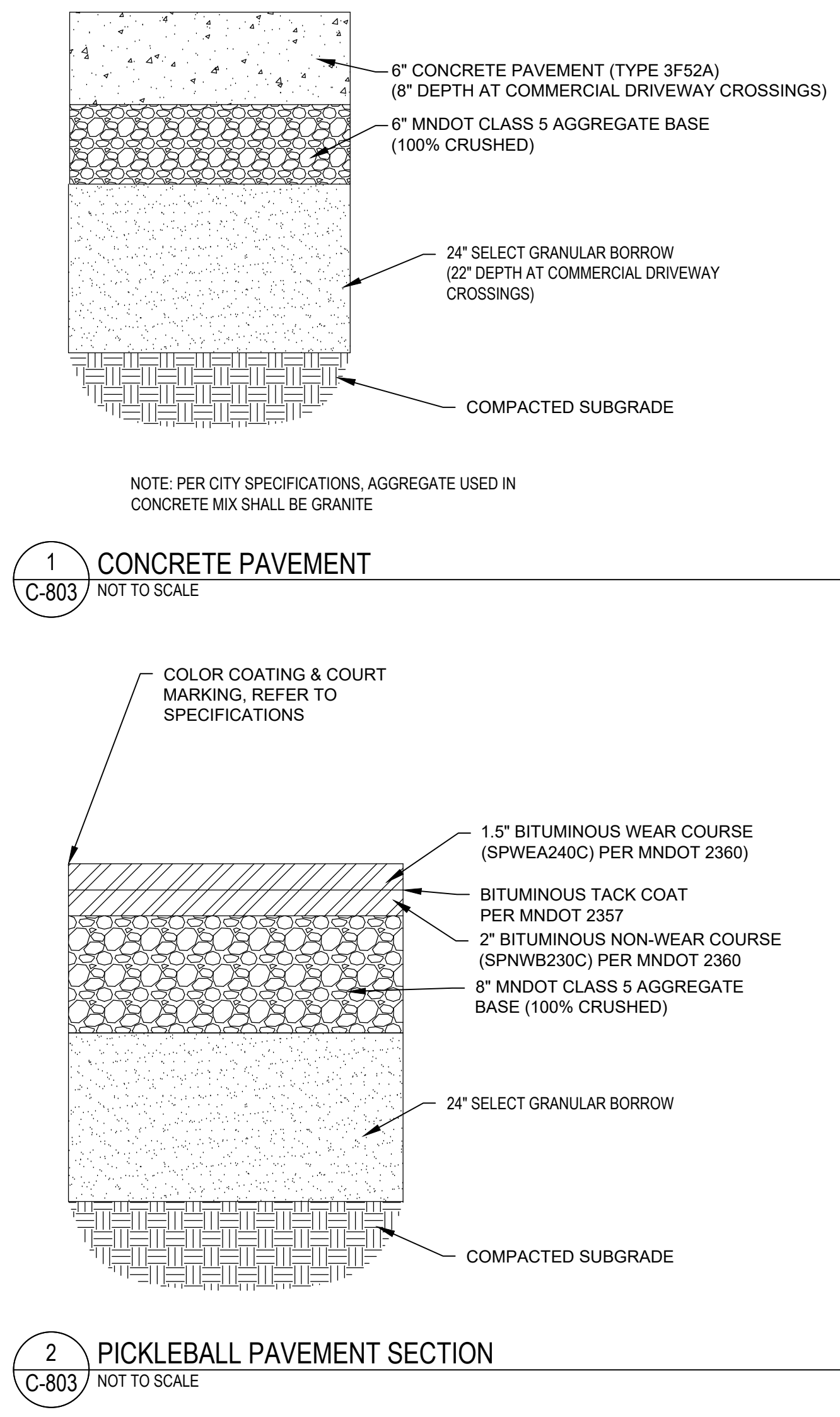
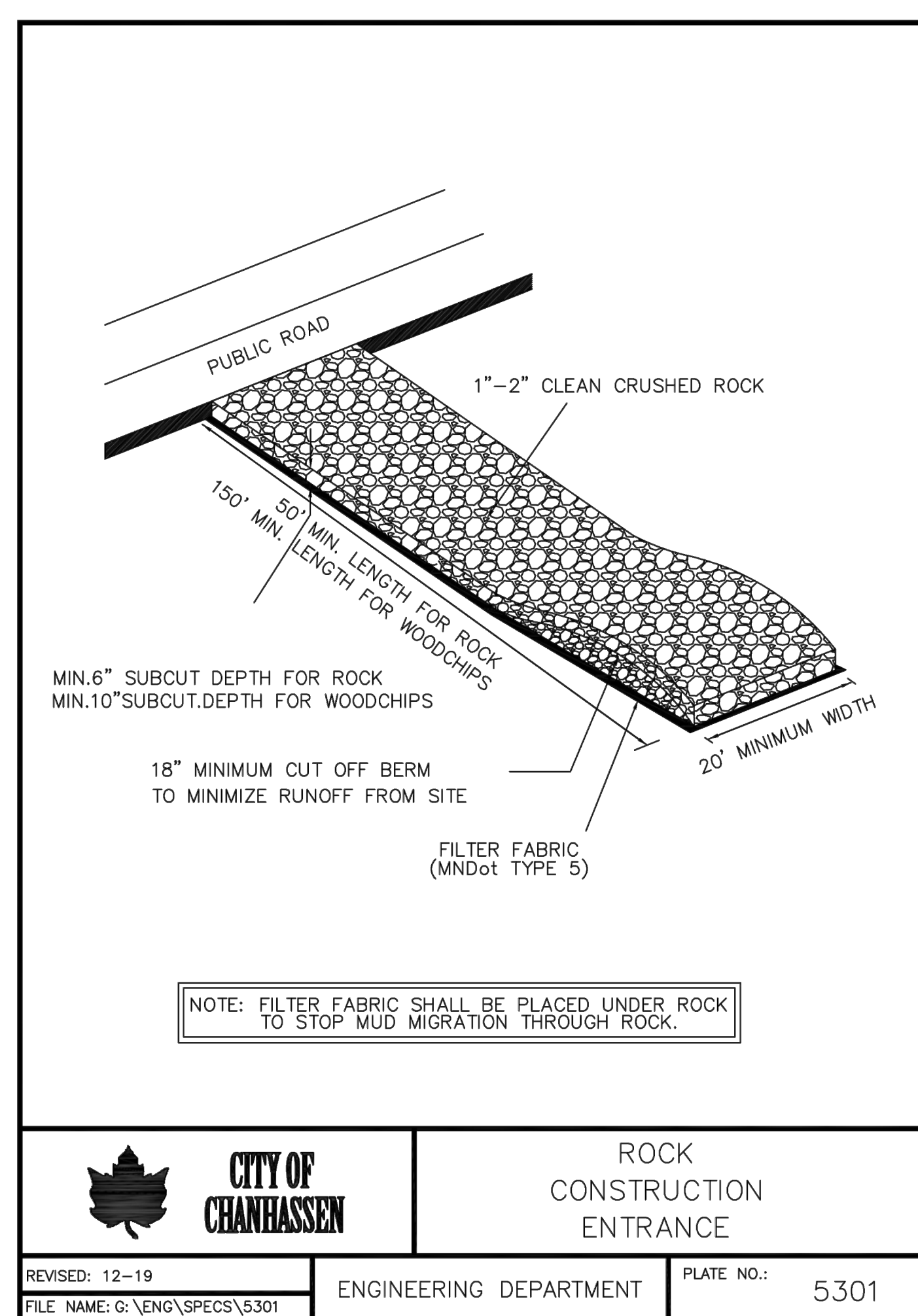
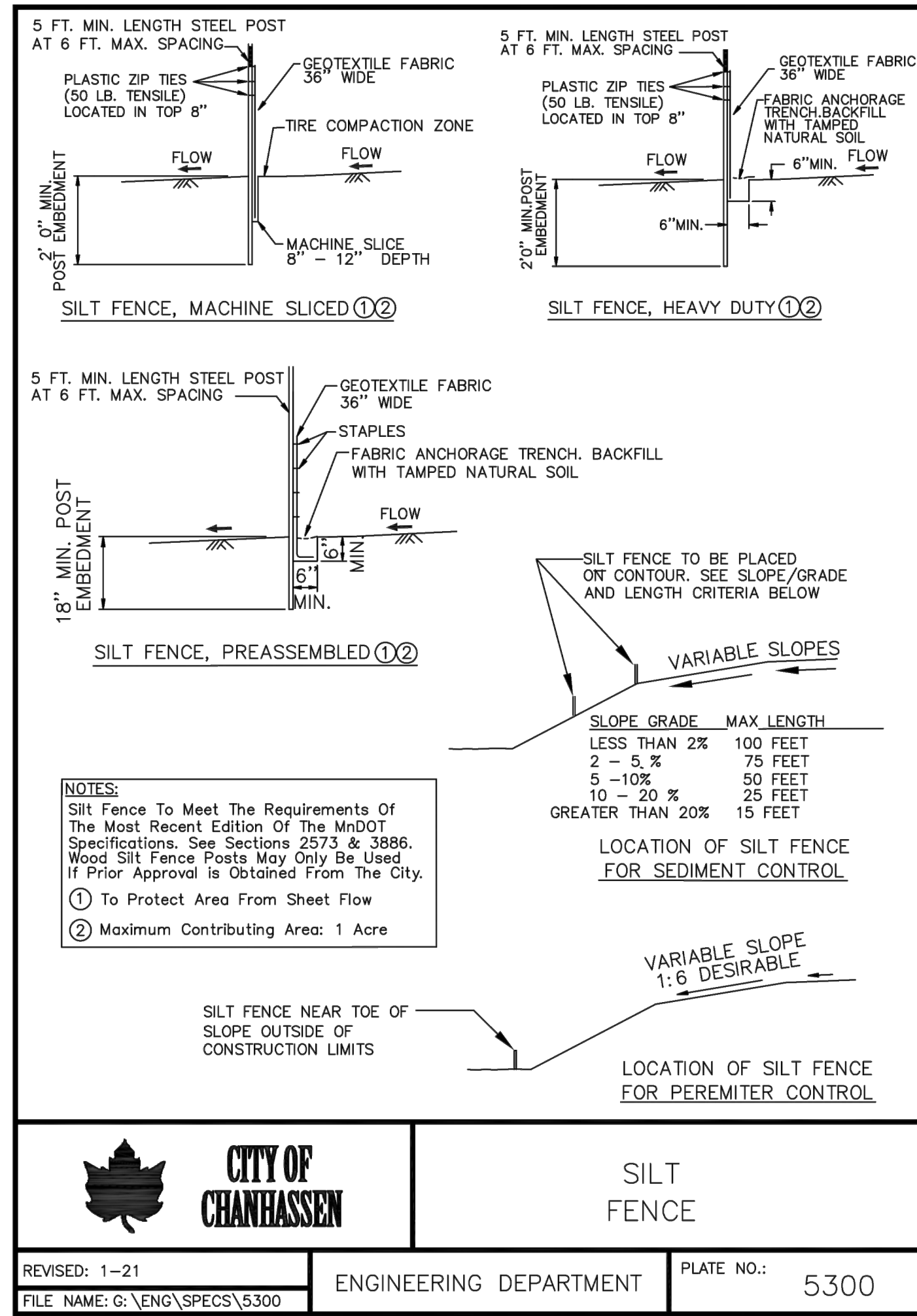
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY ME OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.
D. Lavender
DANIEL LAVENDER
LICENSE NO.: 57418
DATE: 05/17/2024

DRAWN BY: HKK
CHECKED BY: CL
COMMISSION NUMBER: ###-##
SHEET TITLE

**CB 102 TO EXISTING
ROAD PROFILE**

SHEET NUMBER

C-506



\\s02\cadd\cadd\cadd\152622\LOWA_RESDM1_CADD\PLANS\BETTER\240 DETAIL.dwg 07/2024 KIECHELE, INLEY



PROJECT TITLE

CHANHASSEN CIVIC CAMPUS

ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
1	02/13/2024	BP1_ADDENDUM 1
2	02/23/2024	BP1_ADDENDUM 2
3	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
	03/29/2024	RPB/CWD SUBMITTAL
4	04/10/2024	BP2_ADDENDUM 1
5	04/16/2024	BP2_ADDENDUM 2
6	04/22/2024	RPB/CWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPB/CWD RESUBMITTAL

CERTIFICATION

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Daniel Lavender
 DANIEL LAVENDER
 LICENSE NO.: 57418
 DATE: 05/17/2024

DRAWN BY: HKK
 CHECKED BY: CL
 COMMISSION NUMBER: ####
SHEET TITLE

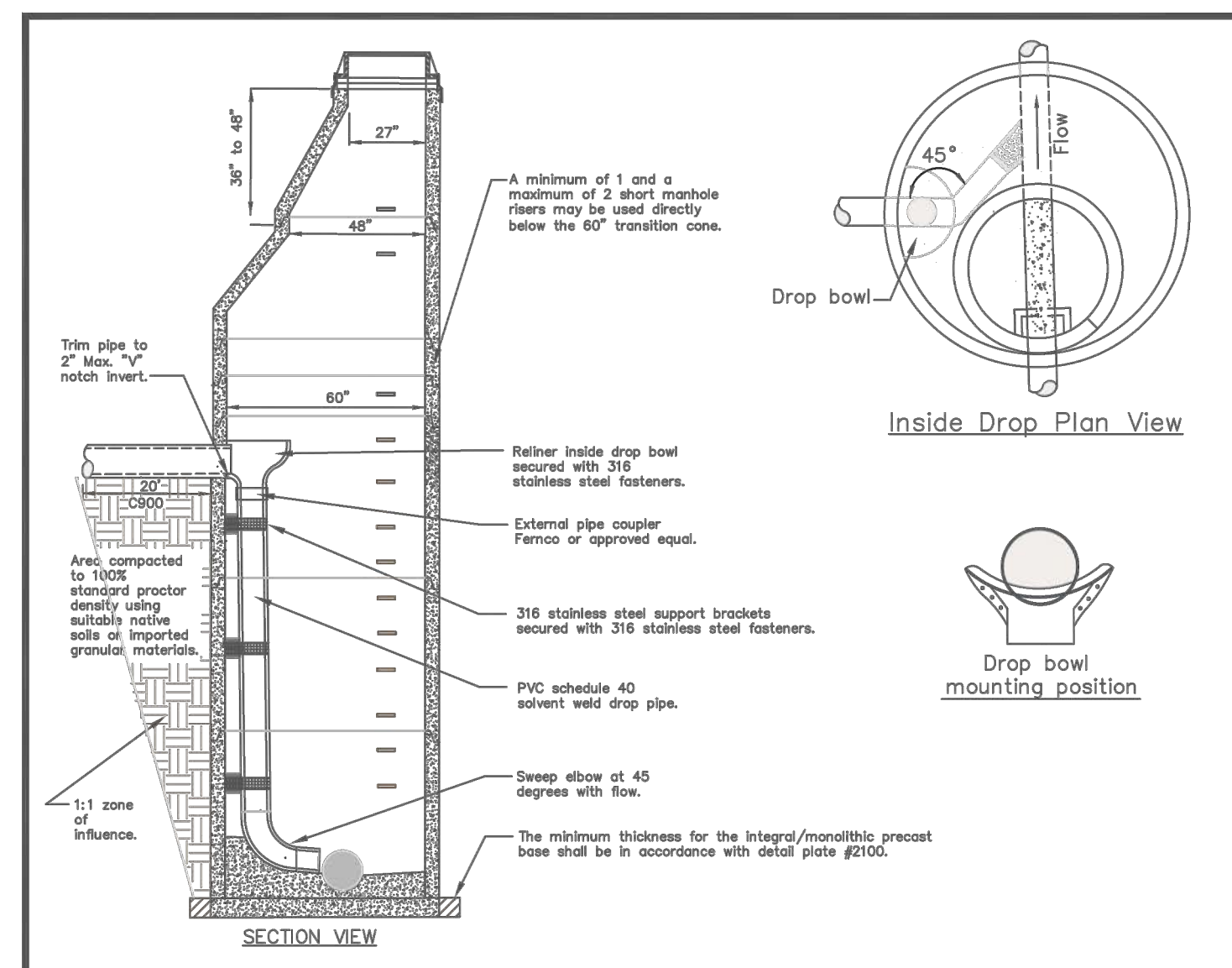
DETAILS

SHEET NUMBER

C-803

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ISSUE #	DATE	DESCRIPTION
1	01/24/2024	BID PACKAGE 1
1	02/13/2024	BP1_ADDENDUM 1
2	02/23/2024	BP1_ADDENDUM 2
3	02/27/2024	BP1_ADDENDUM 3
	03/14/2024	BID PACKAGE 2
4	03/28/2024	RPBCWD SUBMITTAL
4	04/10/2024	BP2_ADDENDUM 1
5	04/16/2024	BP2_ADDENDUM 2
6	04/22/2024	RPBCWD RESUBMITTAL
7	05/10/2024	CITY REVIEW
8	05/14/2024	CONFORM SET
	05/17/2024	RPBCWD RESUBMITTAL

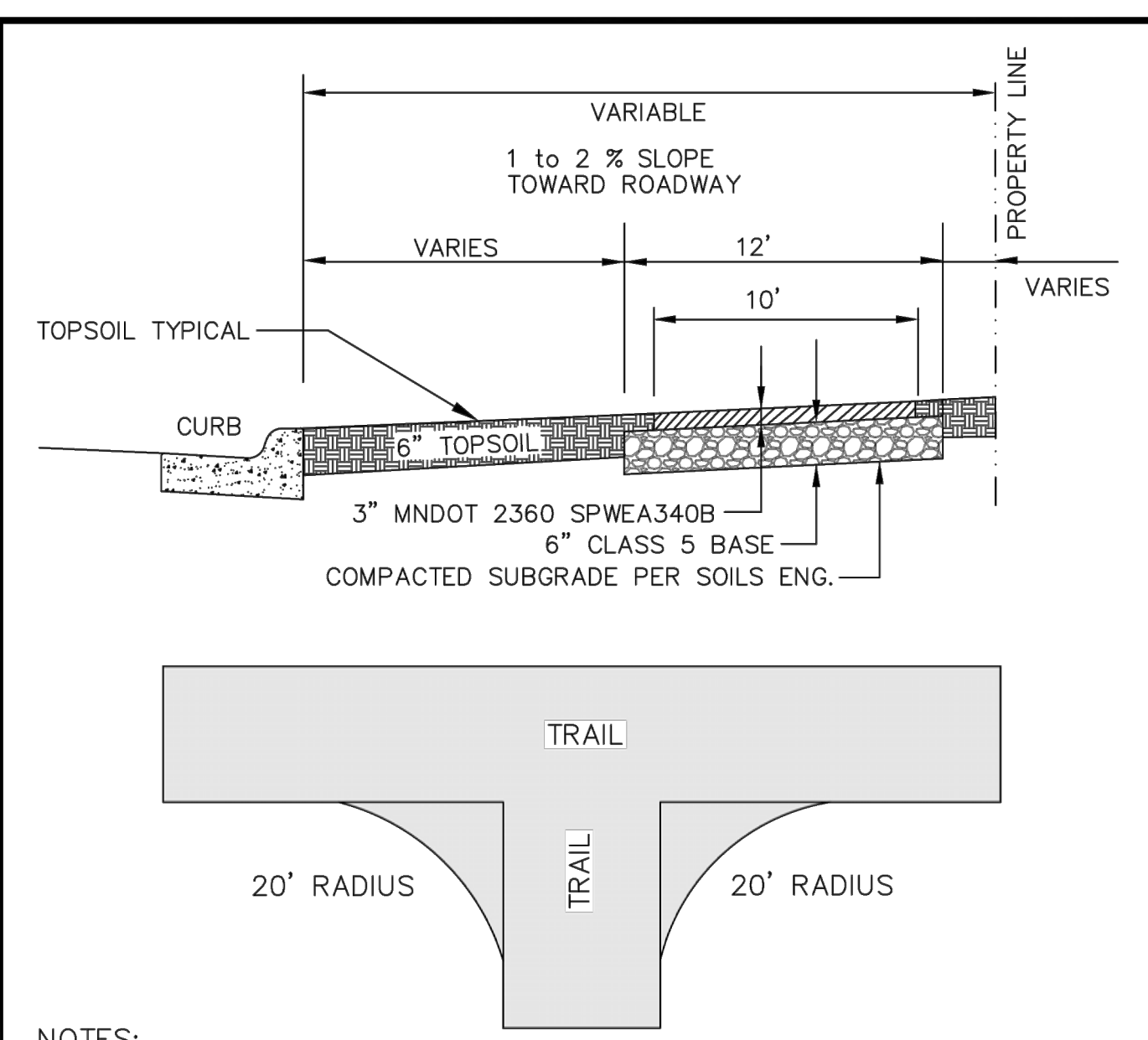


- NOTES:**
- Kerf-in-seal manholes with booted connections or approved equal.
 - All doghouses shall be grouted on the inside.
 - The precast invert shall be 1/2 the diameter of the pipe and the benches sloped inward toward the invert of the main channel.
 - When the manhole is constructed outside of the traveled roadway a witness post and sign shall be installed behind the manhole from the roadway.
 - Inside drop manholes shall be a minimum 60' diameter.
 - The drop shall be installed per manufacturer recommendations.
 - Secure PVC drop pipe to manhole using 316 stainless steel support brackets.
 - A minimum of 2 anchor points per drop section.
 - Spacing for connections to wall shall be at 3' intervals.
 - All inside drop connections for services and collector sewers shall use the drop bowl as produced by Retliner-Duran Inc. or approved equal.
 - Inside drops are required when invert differential is greater than 20'.
 - Install hood for Force main applications or as directed by the City Engineer.
 - Manhole steps shall not interfere with inside drop and be located R-1981U 18" on centers.

Each structure shall be checked for buoyancy and certified by the Engineer of record that flotation will not occur.

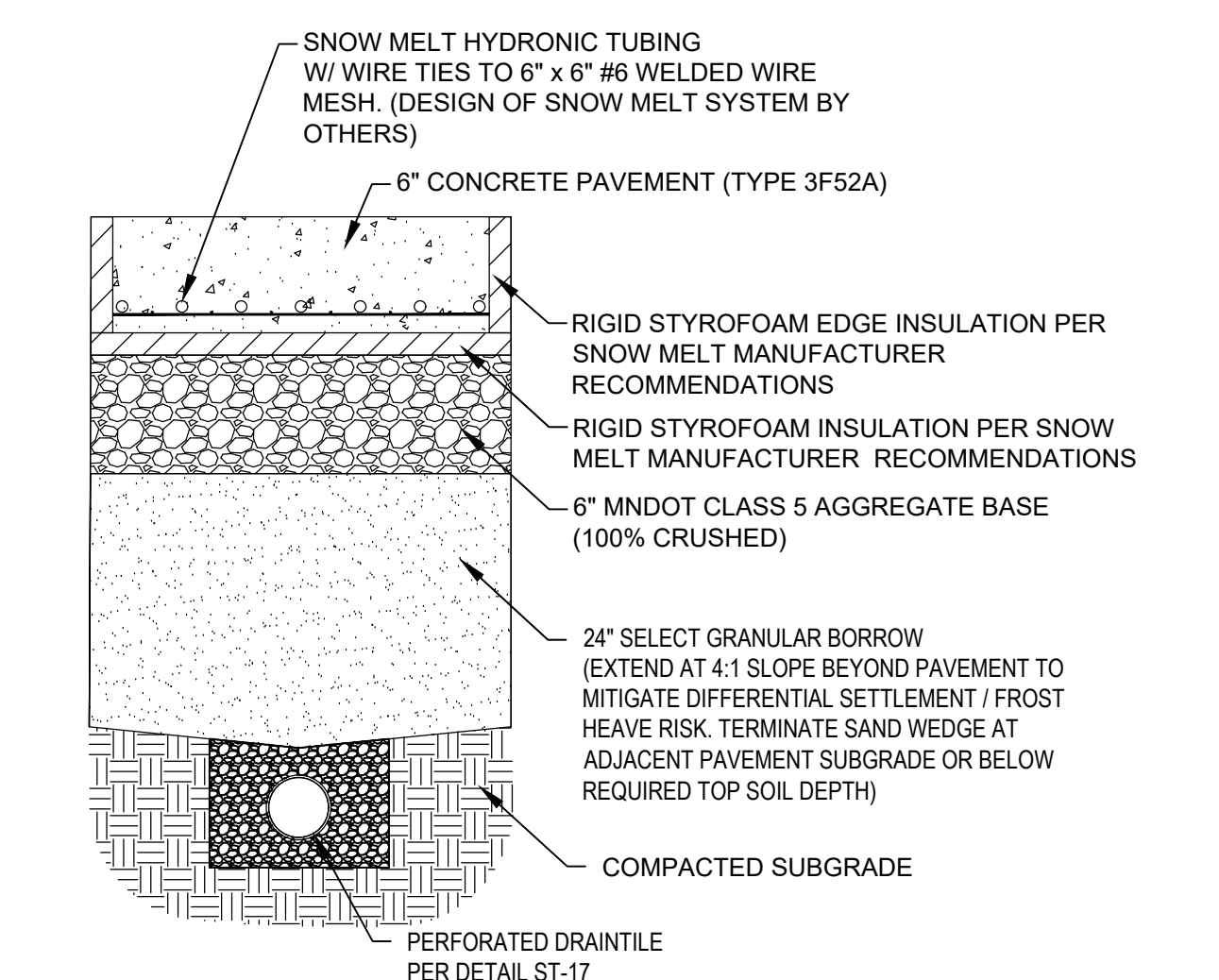
CITY OF CHANHASSEN SANITARY SEWER INSIDE DROP MANHOLE

REVISIONS: 3-23
 FILE NAME: G:\ENG\SPEC\52104
 ENGINEERING DEPARTMENT
 PLATE NO.: 2104

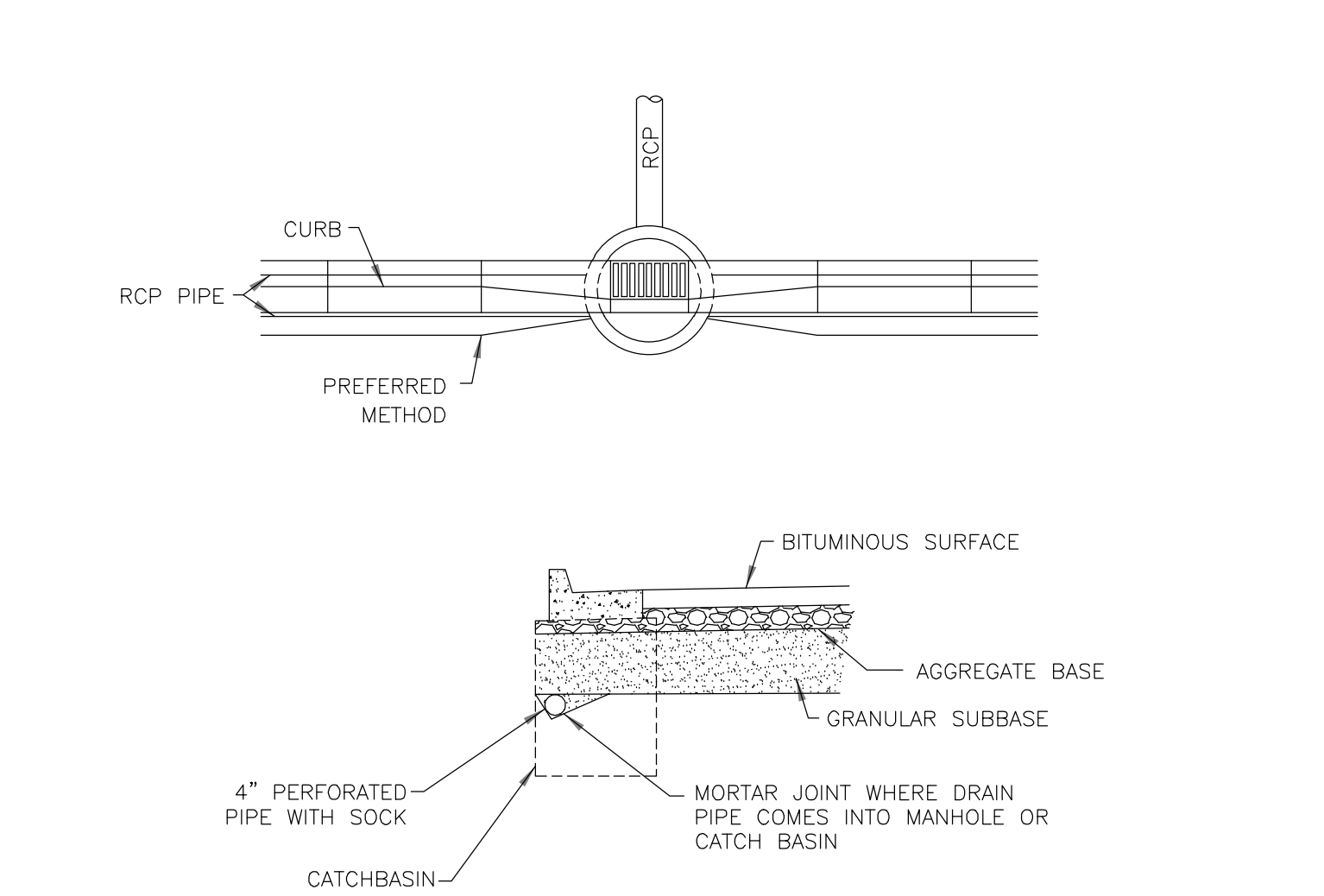
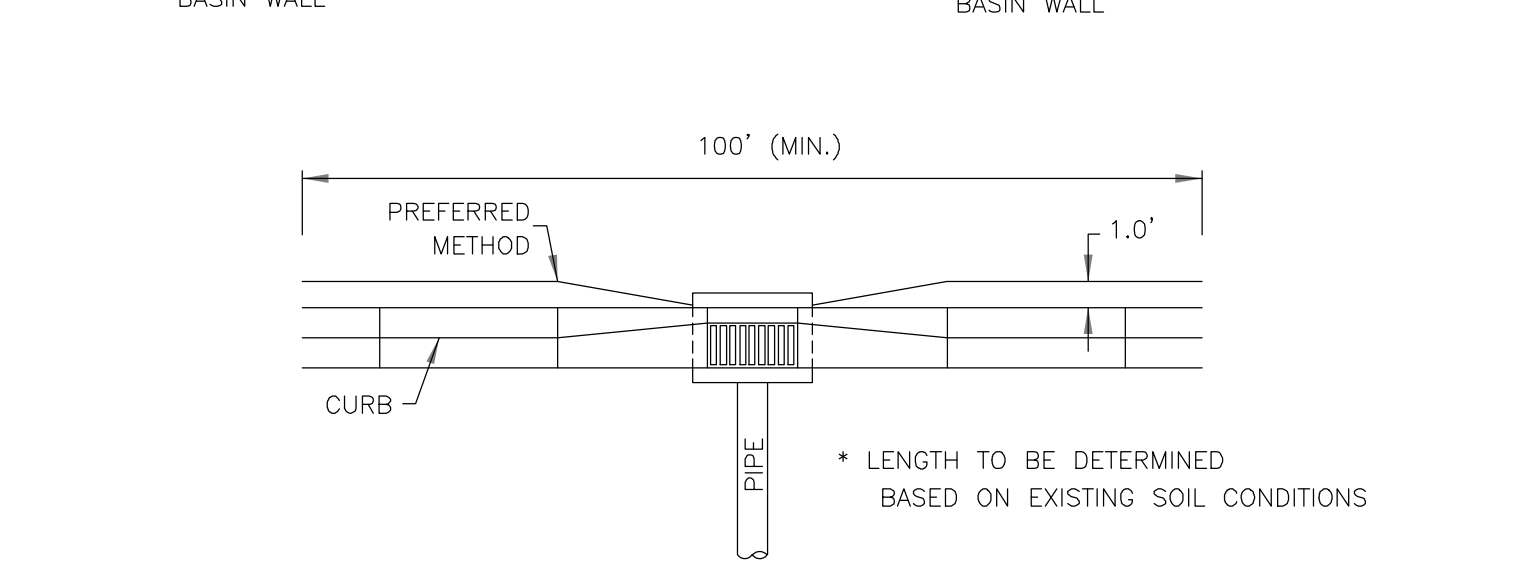
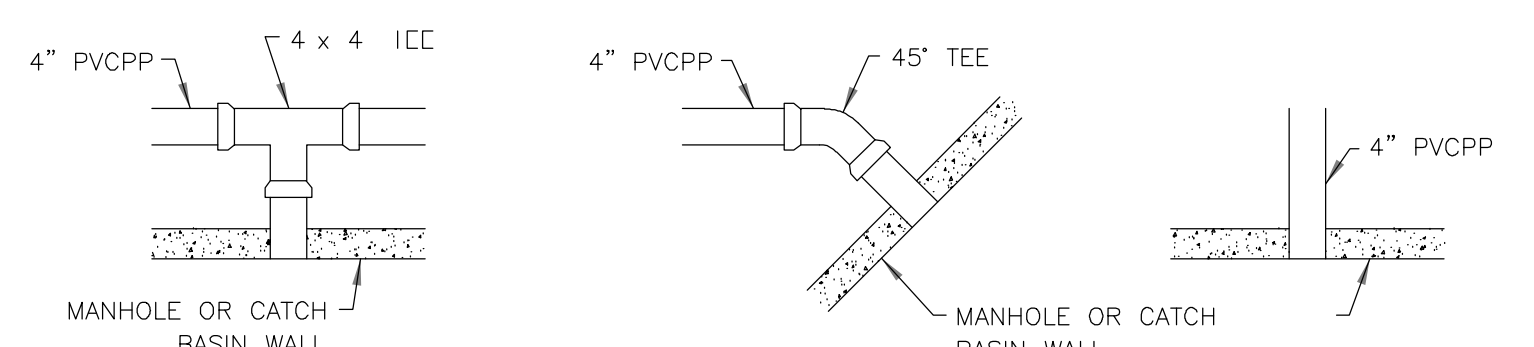


CITY OF CHANHASSEN BITUMINOUS TRAIL

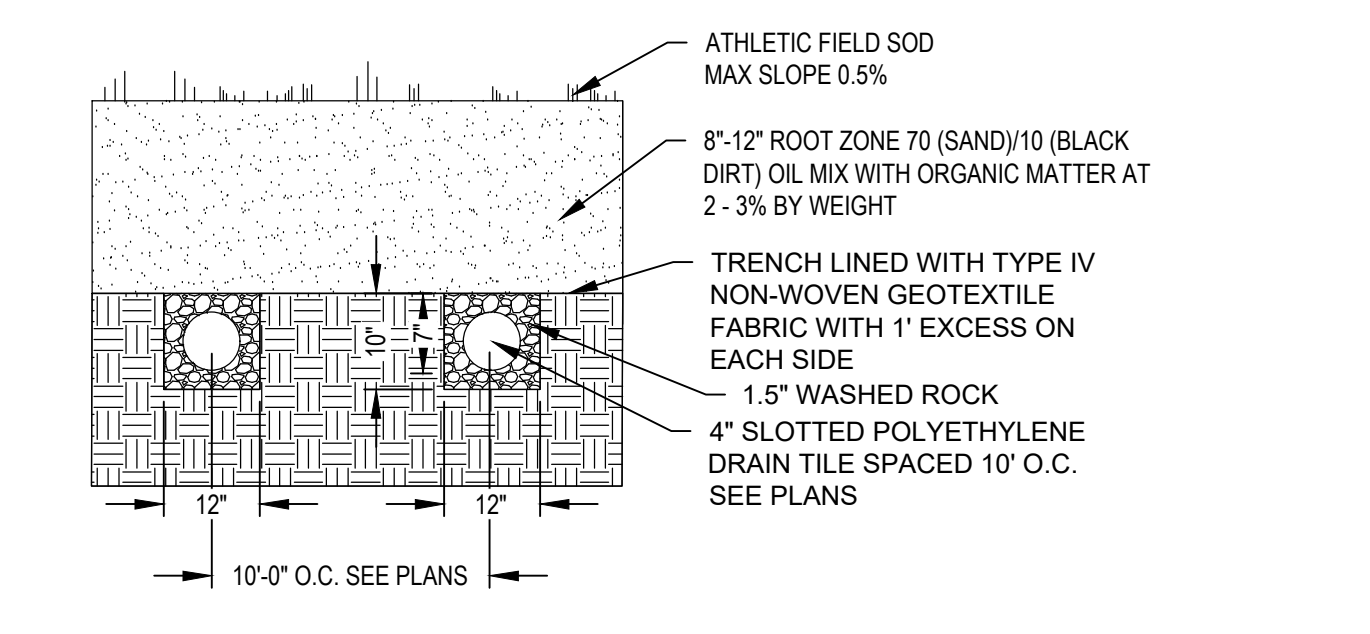
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 ENGINEERING DEPARTMENT
 PLATE NO.: 5216



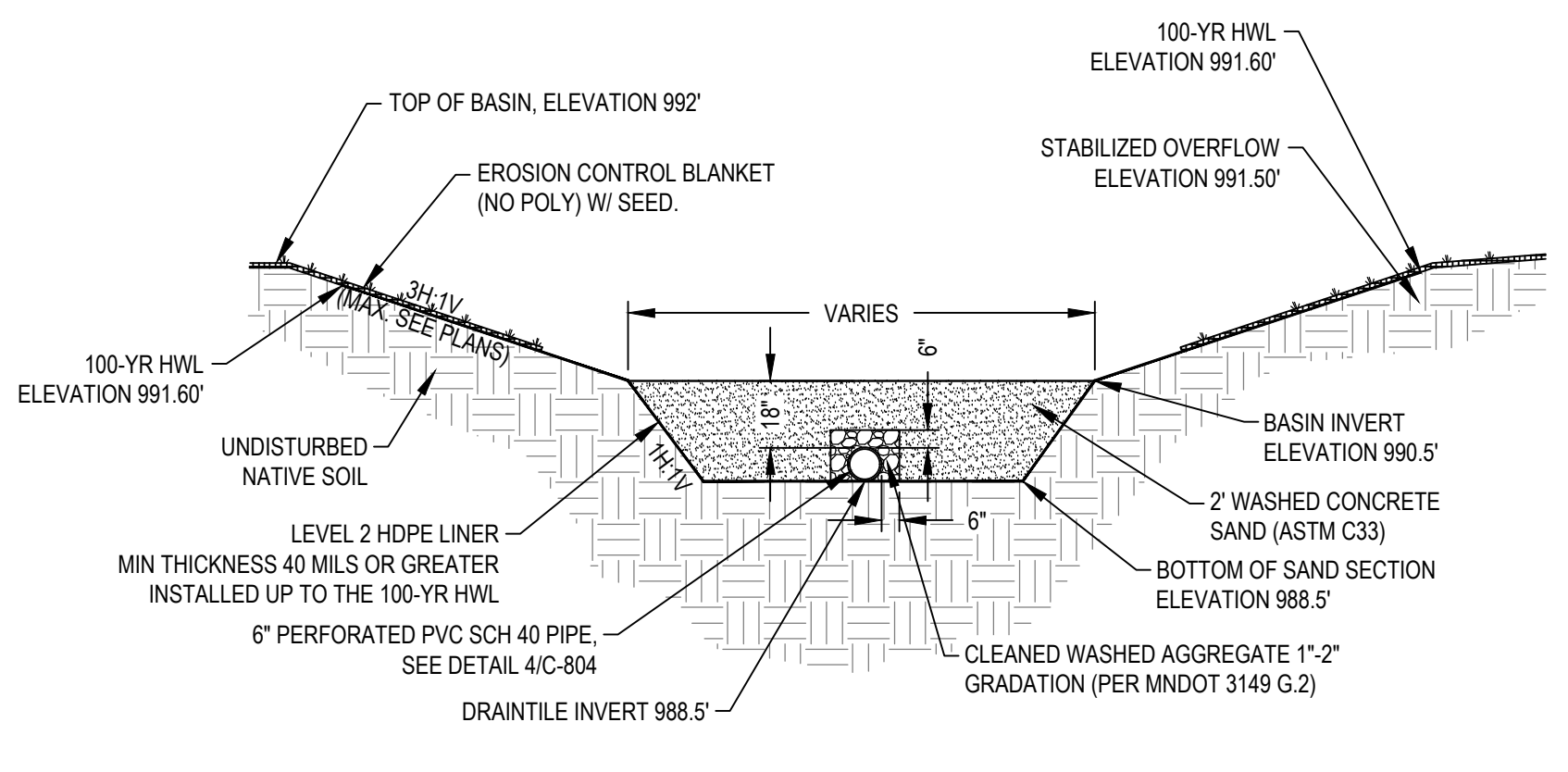
1 CONCRETE SNOW MELT PAVEMENT
C-807 NOT TO SCALE



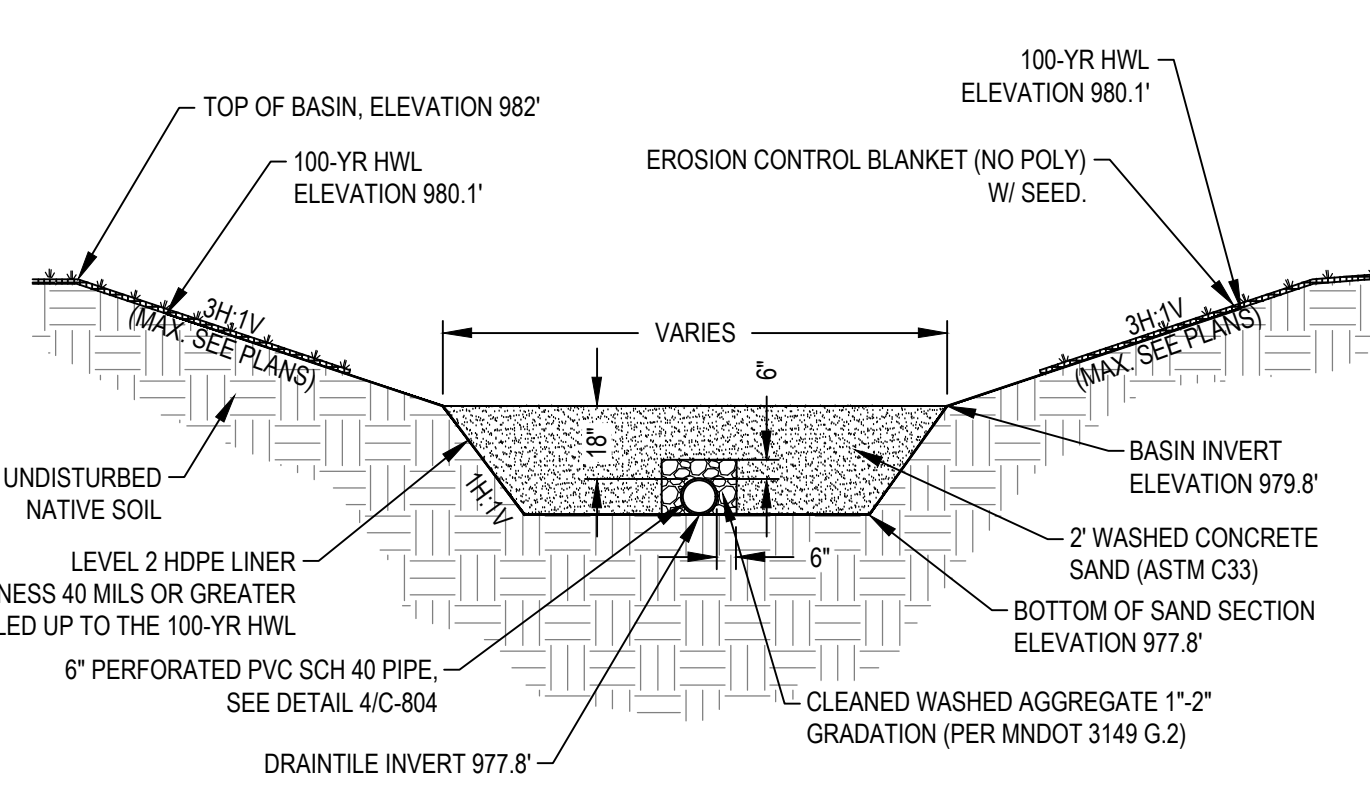
2 DRAINTILE
C-807 NOT TO SCALE



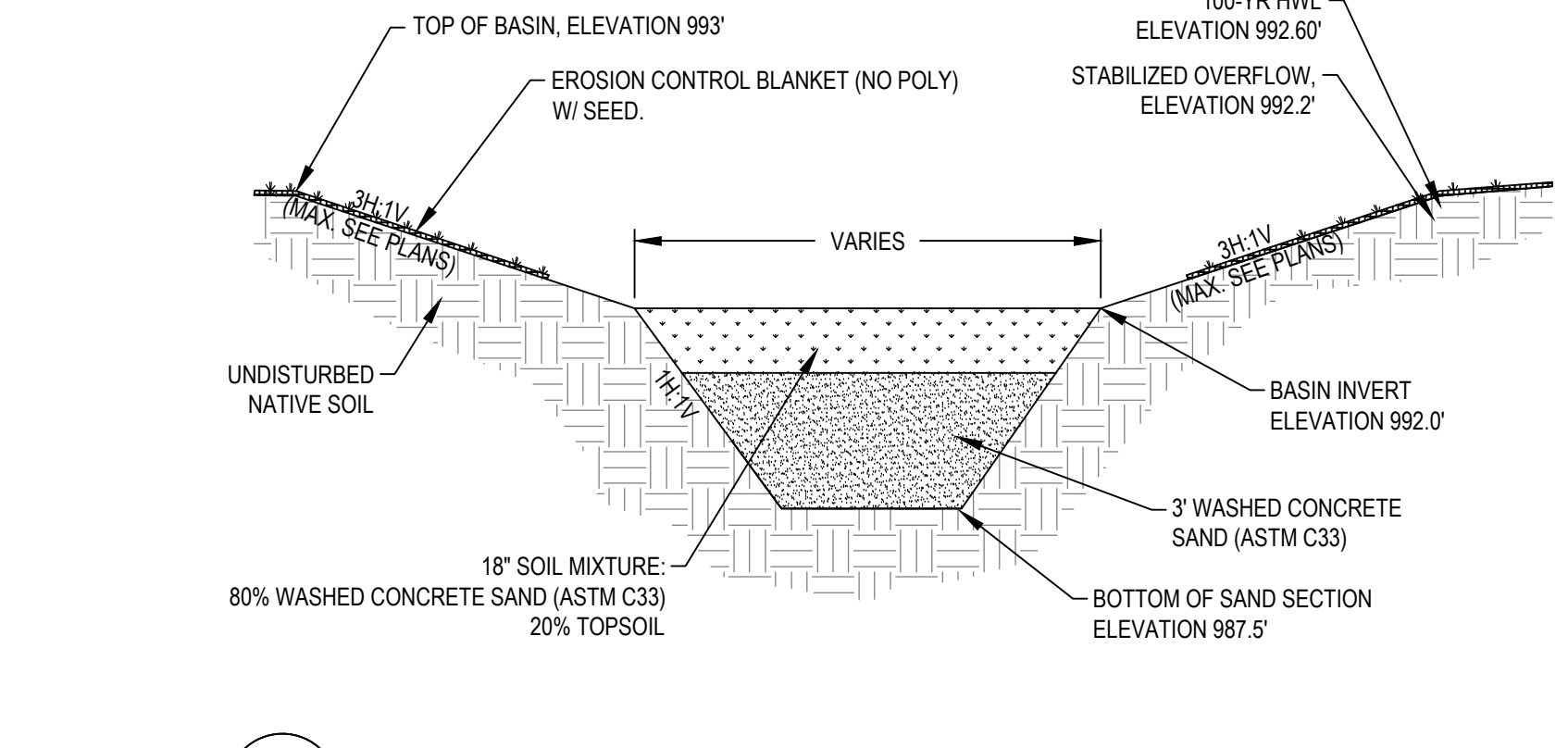
3 PARK PAVILION GREAT LAWN TURF SECTION
C-807 NOT TO SCALE



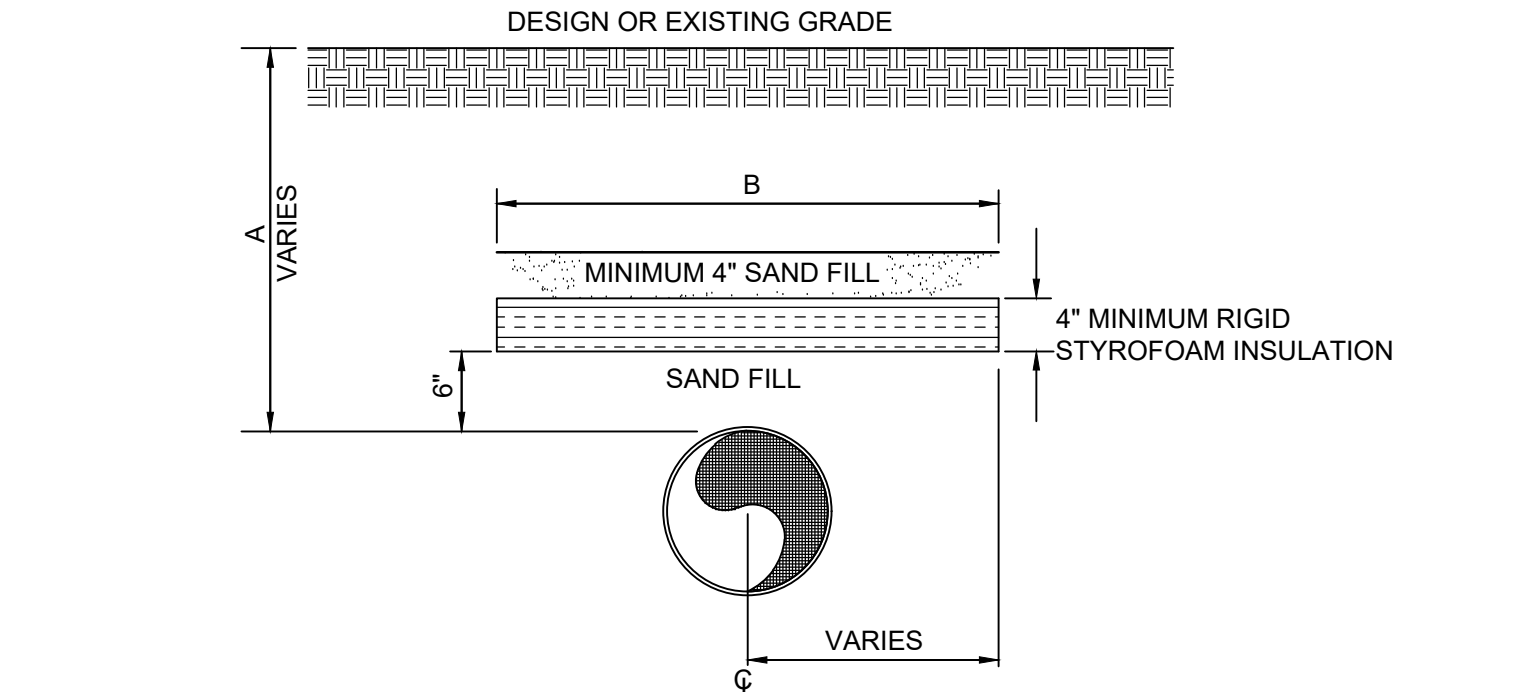
5 B-B' FILTRATION BASIN SECTION WITH DRAINTILE - BMP-02
C-807 NOT TO SCALE



4 A-A' FILTRATION BASIN SECTION WITH DRAINTILE - BMP-01
C-807 NOT TO SCALE



6 C-C' FILTRATION BASIN SECTION - BMP-03
C-807 NOT TO SCALE



NOTE: PIPE SHALL BE CENTERED UNDER INSULATION UNLESS OTHERWISE SPECIFIED.

COVER OVER PIPE - A	WIDTH OF INSULATING BOARD - B
2"	11"
3"	9"
4"	7"
5"	5"
6"	3"

7 PIPE INSULATION
C-807 NOT TO SCALE

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D. L. Lavender
 DANIEL LAVENDER
 LICENSE NO.: 57418
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SHEET TITLE

DETAILS

SHEET NUMBER

C-807