



**MINNEHAHA CREEK  
WATERSHED DISTRICT**  
QUALITY OF WATER, QUALITY OF LIFE

**Meeting: Board Meeting**

**Meeting date: 8/26/2021**

**Agenda Item #: 10.1**

**Item type: Permit Consideration**

**Title:** Permit 21-161: Interlachen Country Club, 6200 Interlachen Blvd, Edina

**Prepared by:**  
Name: Abigail Ernst  
Phone: 952-641-4504  
aernst@minnehahacreek.org

**Recommendation:**

Approval of MCWD permit application on the following stipulations:

1. Submission of maintenance declaration for Stormwater Management, Waterbody Crossings and Structures, and Wetland Buffers for District approval, then recordation and submission of receipt
2. Submission of NPDES permit number and responsible contractor
3. Submission of Financial Assurance for Erosion Control and Stormwater Management
  - a. Erosion Control Financial Assurance- \$2,500.00
  - b. Stormwater Management Financial Assurance- \$2,600.00
4. Reimbursement of Engineering and mailing fees
  - a. Engineering Fee- \$6,454.00
  - b. Mailing Fee- \$108.00

**Condition for permit closeout:**

5. Submission of an as-built survey upon completion of the project

**Summary:**

The Interlachen Country Club (Applicant) has applied for a Minnehaha Creek Watershed District (MCWD) permit for the construction of a parking lot and small accessory building on their property. The project triggers Erosion Control, Stormwater Management, Waterbody Crossings and Structures, and Wetland Protection rules. The project meets the requirements for all applicable rules.

**Background:**

**Location:**

To provide context, the Interlachen Country Club is a 76.36-acre commercial property, consisting of several parking areas, tennis courts, accessory buildings, and an 18-hole golf course. The property sits in the Northwest corner of the City of Edina. The entirety of the proposed project area is within MCWD legal boundary, but the property does not fully lay within the hydrologic boundary; the southern portion of the property is within the Nine Mile Creek Watershed District. Drainage is generally split across the property, with the Northern half routing toward Wetland #1 (see site map) and continuing through stormwater pipes to the City of Hopkins; the other half routing South to Mirror Lake, either directly or through Wetland #2.

### Project Areas and Proposed Improvements:

The Applicant is proposing to construction in three separate areas of the same property. The first area (Area 1) is in the Southwest portion of and is approximately 3.40 acres. The proposed improvements include a new bituminous parking lot, concrete curb and gutter, expanded parking along Waterman Ave, fire turn around cul-de-sac, concrete sidewalk, and filtration basin.

The second area (Area 2) is located along Interlachen Boulevard and is approximately 0.44 acres. The proposed improvements include a small accessory building, reconstructed bituminous road, and reconstructed curb and gutter.

The third area (Area 3) is the parking lot in the Northwest portion of the property, approximately 0.87 acres. The proposed improvements include reclamation of the existing parking area, installation of proposed storm sewer, and the upgrade of an existing lift station.

### Stormwater Treatment:

Through geotechnical analysis, it was determined that infiltration was not feasible on site and that a filtration basin would have to be used for stormwater treatment. The proposed basin exceeds permitting standards by providing additional treatment. Full stormwater management is described in the Stormwater Management section.

### **District Rule Analysis:**

#### Erosion Control Rule

The District's Erosion Control rule is applied to projects proposing 5,000 square feet of disturbance or 50 cubic yards of excavation, fill, or stockpiling on-site. The Applicant is proposing 5.04 acres of disturbance; therefore, the rule is triggered.

Per section 5(a) and 5(b) of the rule, an erosion and control plan has been submitted and displays erosion and sediment control best management practices. These include rock construction entrance, silt fence down gradient of disturbed areas, and inlet protections where necessary.

Per section 6 of the rule, a geotechnical report and soil boring results have been provided. It was determined that the soils are not conductive to infiltration, so filtration is proposed for stormwater management.

Section 7 of the rule does not apply, no additional information was requested.

Per section 8 of the rule, submission of a financial assurance is listed as a recommended condition of approval to satisfy this requirement.

In summary, upon satisfaction of the recommended conditions, the project meets the requirements of the Erosion Control Rule.

#### Wetland Protection Rule

The Buffer provision of the Wetland Protection rule is required if the work needs a permit under the Stormwater Management or Waterbody Crossings & Structures rule. Both the Stormwater Management and Waterbody Crossings and Structures rules are triggered; therefore, the buffer requirement is triggered. A previous project,

permit 18-313, required a buffer along the southern edge of Wetland #1, therefore, a buffer will only be added along the Eastern edge, which is adjacent to the disturbance of Area 2.

Per section 5(a) of the Wetland Protection rule, buffers must be provided on wetland edges downgradient of disturbance. The applicant has provided plans that include a wetland buffer provided on the eastern edge of the downgradient Wetland #1

Per section 5(b) of the rule, buffers are required, and have been analyzed under section 6, below.

Per section 5(c) of the rule, buffers must be documented by a declaration or other recordable instrument. Submission of a maintenance declaration is listed as a recommended condition of approval to satisfy this requirement.

Section 5(d) of the rule requires a permanent wetland buffer monument to be installed at each lot line where it intersects the buffer, and where needed to indicate the contour of the buffer, with a maximum spacing of 100 feet. A buffer monumentation plan has been submitted and will be included in the buffer maintenance declaration, which is listed as a recommended condition of approval.

Per section 6(a) of the rule, buffer width requirements are determined by the management class of the wetland. A delineation and MNRAM performed in June of 2018, classified this wetland as a Manage 2, which corresponds to a 30-foot buffer.

Per section 6(c) of the rule, buffer averaging is permitted should the full width of the buffer not be able to be provided in all locations. Under this provision of the rule, buffer averaging may encompass minimum buffer widths of 15 feet (50%), with a maximum width of 60 feet (200%) for Manage 2 wetlands, provided that there is no reduction in total buffer area (assumes an area equal to a uniform 30-foot buffer along the length of the wetland). Based on review of the plans and specifications, the Applicant will be averaging the buffer in two areas. Area 1 is being decreased by 491 sqft and Area 2 is being decreased by 1,112 sqft. Both Areas 1 and 2 deficiencies will be distributed along the remaining buffer areas to mitigate deficiencies.

Section 6(d) of the rule does not apply, as the Applicant has not requested a reduction in Applied Buffer Width.

Section 6(e) of the rule does not apply, because the project is not resurfacing, but reconstruction, and further while the project involves the reconstruction of a road, the road is privately owned and therefore has no public right-of-way.

Section 6(f) of this rule does not apply as this project is not a New Principal Residential Structure.

The criteria of section 7(a) of the Wetland Protection rule, which prohibits actions such as mowing, fertilizing or placement of yard waste within the buffer area, is memorialized with the maintenance declaration. Submission of a maintenance declaration including these provisions is listed as a recommended condition of approval.

Section 7(b) of the rule does not apply as the site is not considered public land, a homeowner's association property, or public right-of-way.

Per section 7(c) of the rule, a vegetated buffer plan will be required due to the disturbance caused by the storm sewer removal.

In summary, upon satisfaction of the recommended conditions, the project meets the requirements of the Wetland Protection Rule.

### Waterbody Crossings and Structures Rule

The District Waterbody Crossings & Structures rule is applicable for any project that proposes to place a road, highway, utility, bridge, boardwalk, or associated structure in contact with the bed or bank of any waterbody. The project proposes the removal of a stormwater pipe and installation of new pipe and lift station, that outlets into the bank of a detention pond.

Section 3(a) of the rule does not apply as it does not involve a crossing and the detention pond is not a public water.

Per section 3(b), the placement of the new pipe and lift station shall retain adequate hydraulic capacity, and any changes in hydraulic capacity may not result in upstream or downstream increases in flood stage. The proposed stormwater pipe and lift station will reduce rates and thus reduce stormwater flows during the 1-year, 10-year, and 100-year storm events. After review of the proposed plans, the District Engineer has confirmed that the applicant has demonstrated that hydraulic capacity will be retained.

Section 3(c) of the rule does not apply as the waterbody does not have adequate navigation capacity.

Per section 3(d), aquatic and upland wildlife passages shall be preserved. The proposed lift station is for stormwater conveyance from the detention pond and will not impede wildlife passage. Aquatic and upland wildlife passages will be preserved from existing to proposed conditions.

Per Section 3(e), the placement of a structure shall not adversely affect water quality. As proposed, no negative effects on water quality are associated with the pipe and lift station replacement.

Per Section 3(f), the applicant has submitted design alternatives to show the proposed plan meets the minimal impact solution with respect to all other reasonable alternatives. One alternative submitted was a no-build scenario. This option is not feasible because the current pipe system is degraded and would not meet project goals. The second alternative submitted was to use a portable sump pump, which is not a feasible solution because it would cause a safety hazard. Based on the two alternatives submitted for the project, MCWD staff concur that the applicant has demonstrated that the proposed plan represents a minimal impact solution.

Sections 3(g) and 3(h) do not apply to this project, as no work is proposed below the bed of the stormwater pond.

Per section 6, the maintenance requirement of waterbody crossings and structures will be satisfied through the recordation of a maintenance declaration, listed as a recommended condition of approval.

The project, as designed, meets the District's Waterbody Crossings and Structures rule.

### Stormwater Management Rule

The District's Stormwater Management Rule is applied to projects that propose the creation of new or replacement of existing impervious surface. The proposed project proposes an increase of 0.76 acres from existing conditions. The project proposes redevelopment of a site greater than one acre; less than 40% of the site will be disturbed; less than 50% increase in impervious surface; and therefore, phosphorus, rate, and volume control will be required for the site's new impervious surface. The Applicant has proposed to meet the District's Stormwater Management rule by constructing a filtration basin to treat runoff from the new impervious surface.

**Table 1: Existing and Proposed Site Conditions**

<i>Area</i>	<i>Area Size (ac)</i>	<i>Existing Drainage</i>	<i>Proposed Drainage</i>	<i>Existing Impervious (ac)</i>	<i>Proposed Impervious (ac)</i>
1	3.4	Mirror Lake	Mirror Lake/Wetland #1	0.89 (38,768sf)	1.57 (68,389sf)
2	0.44	Wetland #1	Wetland #1	0.17 (7,405sf)	0.25 (10,890sf)
3	0.87	Mirror Lake	Mirror Lake	0.38 (16,552sf)	0.38 (16,552sf)

Per section 3(a) of the rule, the phosphorus control requirement is satisfied by meeting the abstraction requirement as outlined in section 3(c). Because the Applicant has demonstrated conformance with the volume control requirement, the phosphorus control requirement has been met. Furthermore, the implementation of the filtration basin will decrease both TSS and TP.

**Table 2: Comparison of Total Phosphorus and Total Suspended Solids (lbs./year)**

<i>Condition</i>	TSS	TP
<i>Existing</i>	1,878.0	6.00
<i>Proposed</i>	787.7	2.7
<i>% Reduction</i>	58%	55%

Per section 3 (b) of the rule, there shall be no net increase in peak runoff rates for 1-, 10-, and 100-year storm events. The District Engineer has reviewed the proposed plans, stormwater models, and stormwater calculations and determined that the project will not increase peak rates during 1-, 10-, and 100-year storm events. The project as proposed is in conformance with the rate requirements of the rule.

**Table 3: Existing and Proposed Rate Summary to Wetland #1**

	Pre-Development Discharge Rate CFS	Post-Development Discharge Rate CFS
1-year	2.62	1.17
10-year	6.49	2.74
100-year	13.65	7.99

**Table 4: Existing and Proposed Rate Summary to Mirror Lake**

	Pre-Development Discharge Rate CFS	Post-Development Discharge Rate CFS
1-year	4.64	1.22
10-year	9.63	6.54
100-year	18.45	9.67

**Table 5: Existing and Proposed Rate Summary to Wetland #2**

	Pre-Development Discharge Rate CFS	Post-Development Discharge Rate CFS
1-year	1.04	1.20
10-year	2.17	2.34*
100-year	4.21	4.36*

\*The runoff rate increase to the existing Wetland #2 discharges to Mirror Lake and cumulative discharge to Mirror Lake decreases for each storm event\*

Per Section 3(c), the Applicant has proposed to provide for the first 1" of abstraction through construction of a filtration basin to treat runoff from the new impervious surface of 33,106 square feet. The Volume Abstraction Credit Schedule states that filtration will receive 50% volume abstraction credit. Therefore, the basin will need to treat for twice the amount.

$$\text{Net increase in impervious area } \times 1.0"/12 = \text{Required treatment volume}$$

$$33,106 \text{ sf} \times 1.0"/12 = 2,759 \text{ cf}$$

$$\text{Filtration volume required} = \text{Required treatment volume} \times 2$$

$$2,759 \times 2 = 5,518 \text{ cf}$$

The total treatment volume provided by the basin is 7,408 cf.

Per section 3(d) of the rule, best management practices must be incorporated to limit the creation of impervious surface, maintain or enhance on-site infiltration, peak flow, and limit pollution generation on and discharge from the site. The Applicant has provided plans, stormwater modeling, stormwater calculations, and a narrative to demonstrate conformance with this requirement. Based on review of the Applicant's submittals, staff and the District Engineer have determined that the proposed filtration basin, designed in conformance with the criteria as outlined in the Minnesota Stormwater Manual, and their incorporation satisfies the requirements of this provision.

Per section 3(e), this section of the rule does not apply as there are no structures within 100-year high water elevation of the filtration basin.

Section 7 of the rule does not apply as the Applicant does not propose using a regional stormwater facility for treatment.

Per section 8(a) of the rule, the impacts to downstream waterbodies section of the rule regulates new point

source discharges and impacts to the bounce, inundation, and runout control elevations of waterbodies. The project does not propose a new point source or a change in the runout control elevation of any waterbody

Per section 8(b) of the rule, no activity subject of this rule may alter a site in a manner that results in an increase in the bounce in water level for any downstream lake or wetland. No bounce or inundation of Mirror Lake and surrounding wetlands are above the allowable 0.0044 feet (bounce as described by the Minnesota Department of Natural Resources). The project as proposed is in conformance with the downstream waterbody requirements of the rule.

**Table 6: Existing and Proposed Water Levels**

Waterbody	Existing	Proposed	Change (ft)
Mirror lake	911.53	911.53	0.0003
Wetland #1	915.37	915.37	0.0001

Per section 9 of the rule, the maintenance requirement of stormwater facilities will be satisfied through the recordation of a maintenance declaration, listed as a recommended condition of approval.

The project as proposed, upon fulfillment of the recommended condition, meets the requirements of the Stormwater Management Rule.

#### **Conclusion:**

The Interlachen Country Club has applied for a MCWD permit for the Erosion Control, Wetland Protection, Waterbody Crossings & Structures, and Stormwater Management rules. Staff have found that the project exceeds the required stormwater treatment and that the proposed project meets the applicable rule requirements and recommends approval subject to the conditions of approval.

#### **Supporting documents:**

1. Water Resources Application Form
2. Site Map
3. Civil Plans
4. Public Comment from Debra Frimerman (request to be included in packet)

## WATER RESOURCE PERMIT APPLICATION FORM

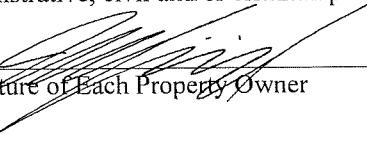
Use this form to notify/apply to the Minnehaha Creek Watershed District (MCWD) of a proposed project or work which may fall within their jurisdiction. Fill out this form completely and submit with your site plan, maps, etc. to the MCWD at:  
15320 Minnetonka Blvd, Minnetonka, MN 55345.

Keep a copy for your records.

### YOU MUST OBTAIN ALL REQUIRED AUTHORIZATIONS BEFORE BEGINNING WORK.

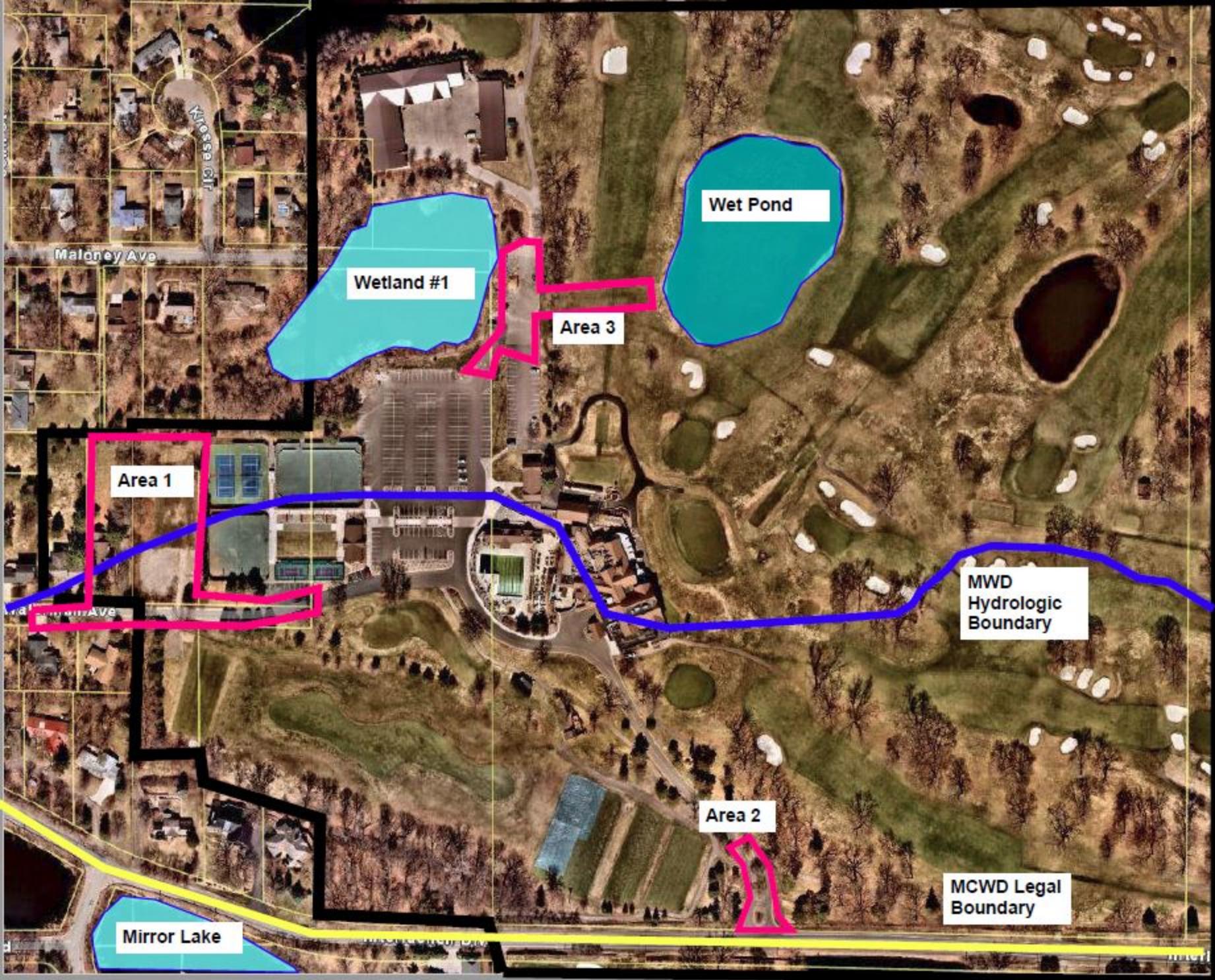
1. Name of each property owner: <u>Interlachen Country Club - Joel Livingood</u> Mailing Address: <u>6200 Interlachen Blvd</u> City: <u>Minneapolis</u> State: <u>MN</u> Zip: <u>55436</u> <b>Email Address:</b> <u>JLivingood@interlachenchcc.org</u> Phone: <u>952-924-7401</u> Fax: <u></u>															
2. Property Owner Representative Information (not required) (licensed contractor, architect, engineer, etc...) Business Name: <u>BKBM Engineers</u> Representative Name: <u>Kevin Bohl</u> Business Address: <u>6120 Earle Brown Drive</u> City: <u>Minneapolis</u> State: <u>MN</u> Zip: <u>55430</u> <b>Email Address:</b> <u>KBohl@bkbm.com</u> Phone: <u>763-843-0427</u> Fax: <u>763-843-0421</u>															
3. Project Address: <u>6200 Interlachen Blvd</u> City: <u>Edina</u> State: <u>MN</u> Zip: <u>55436</u> Qtr Section(s): _____ Section(s): <u>11</u> Township(s): <u>721</u> Range(s): <u>22</u> Lot: _____ Block: _____ Subdivision: <u>t</u> PID: <u>291722200</u>															
4. Size of project parcel (square feet or acres): <u>76.36</u> Area of disturbance (square feet): <u>5.04</u> Volume of excavation/fill (cubic yards): <u>5,100 cut</u> Area of existing impervious surface: <u>1.56</u> Area of proposed impervious surface: <u>2.52</u> Length of shoreline affected (feet): _____ Waterbody (& bay if applicable): _____															
5. Type of permit being applied for (Check all that apply): <table style="margin-left: 20px; border: none;"> <tr> <td><input checked="" type="checkbox"/> EROSION CONTROL</td> <td><input type="checkbox"/> WATERBODY CROSSINGS/STRUCTURES</td> </tr> <tr> <td><input type="checkbox"/> FLOODPLAIN ALTERATION</td> <td><input checked="" type="checkbox"/> STORMWATER MANAGEMENT</td> </tr> <tr> <td><input checked="" type="checkbox"/> WETLAND PROTECTION</td> <td><input type="checkbox"/> APPROPRIATIONS</td> </tr> <tr> <td><input type="checkbox"/> DREDGING</td> <td><input type="checkbox"/> ILLICIT DISCHARGE</td> </tr> <tr> <td><input type="checkbox"/> SHORELINE/STREAMBANK STABILIZATION</td> <td></td> </tr> </table>						<input checked="" type="checkbox"/> EROSION CONTROL	<input type="checkbox"/> WATERBODY CROSSINGS/STRUCTURES	<input type="checkbox"/> FLOODPLAIN ALTERATION	<input checked="" type="checkbox"/> STORMWATER MANAGEMENT	<input checked="" type="checkbox"/> WETLAND PROTECTION	<input type="checkbox"/> APPROPRIATIONS	<input type="checkbox"/> DREDGING	<input type="checkbox"/> ILLICIT DISCHARGE	<input type="checkbox"/> SHORELINE/STREAMBANK STABILIZATION	
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6. Project purpose (Check all that apply): <table style="margin-left: 20px; border: none;"> <tr> <td><input type="checkbox"/> SINGLE FAMILY HOME</td> <td><input type="checkbox"/> MULTI FAMILY RESIDENTIAL (apartments)</td> </tr> <tr> <td><input checked="" type="checkbox"/> ROAD CONSTRUCTION</td> <td><input checked="" type="checkbox"/> COMMERCIAL or INSTITUTIONAL</td> </tr> <tr> <td><input checked="" type="checkbox"/> UTILITIES</td> <td><input type="checkbox"/> SUBDIVISIONS (include number of lots)</td> </tr> <tr> <td><input type="checkbox"/> DREDGING</td> <td><input checked="" type="checkbox"/> LANDSCAPING (pools, berms, etc.)</td> </tr> <tr> <td><input type="checkbox"/> SHORELINE/STREAMBANK STABILIZATION</td> <td><input type="checkbox"/> OTHER (DESCRIBE): _____</td> </tr> </table>						<input type="checkbox"/> SINGLE FAMILY HOME	<input type="checkbox"/> MULTI FAMILY RESIDENTIAL (apartments)	<input checked="" type="checkbox"/> ROAD CONSTRUCTION	<input checked="" type="checkbox"/> COMMERCIAL or INSTITUTIONAL	<input checked="" type="checkbox"/> UTILITIES	<input type="checkbox"/> SUBDIVISIONS (include number of lots)	<input type="checkbox"/> DREDGING	<input checked="" type="checkbox"/> LANDSCAPING (pools, berms, etc.)	<input type="checkbox"/> SHORELINE/STREAMBANK STABILIZATION	<input type="checkbox"/> OTHER (DESCRIBE): _____
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<input type="checkbox"/> SHORELINE/STREAMBANK STABILIZATION	<input type="checkbox"/> OTHER (DESCRIBE): _____														
7. NPDES/SDS General Stormwater Permit Number (if applicable): _____															
8. Waterbody receiving runoff from site: <u>Wetland northeast of proposed parking lot and Mirror Lake South of site</u>															
9. Project Timeline: Start Date: <u>October 2021</u> Completion Date: <u>October 2022</u>															
Permits have been applied for: City <input type="checkbox"/> County <input type="checkbox"/> MN Pollution Control Agency <input type="checkbox"/> DNR <input type="checkbox"/> COE <input type="checkbox"/> Permits have been received: City <input type="checkbox"/> County <input type="checkbox"/> MN Pollution Control Agency <input type="checkbox"/> DNR <input type="checkbox"/> COE <input type="checkbox"/>															

By signing below, I hereby request a permit to authorize the activities described herein. I certify that I am familiar with MCWD Rules and that the proposed activity will be conducted in compliance with these Rules. I am familiar with the information contained in this application and, to the best of my knowledge and belief, all information is true, complete and accurate. I understand that proceeding with work before all required authorizations are obtained may be subject to federal, state and/or local administrative, civil and/or criminal penalties.

  
Signature of Each Property Owner

3/24/21

Date



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consultant

**BKBM**  
ENGINEERS

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project title

INTERLACHEN COUNTRY CLUB  
6200 INTERLACHEN BLVD.  
EDINA, MN 55436



client  
INTERLACHEN COUNTRY CLUB  
6200 INTERLACHEN BLVD.  
EDINA, MN 55436

seal  
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.

Kevin A. Bohl

Date 06/07/2021

Lic. No. 52209

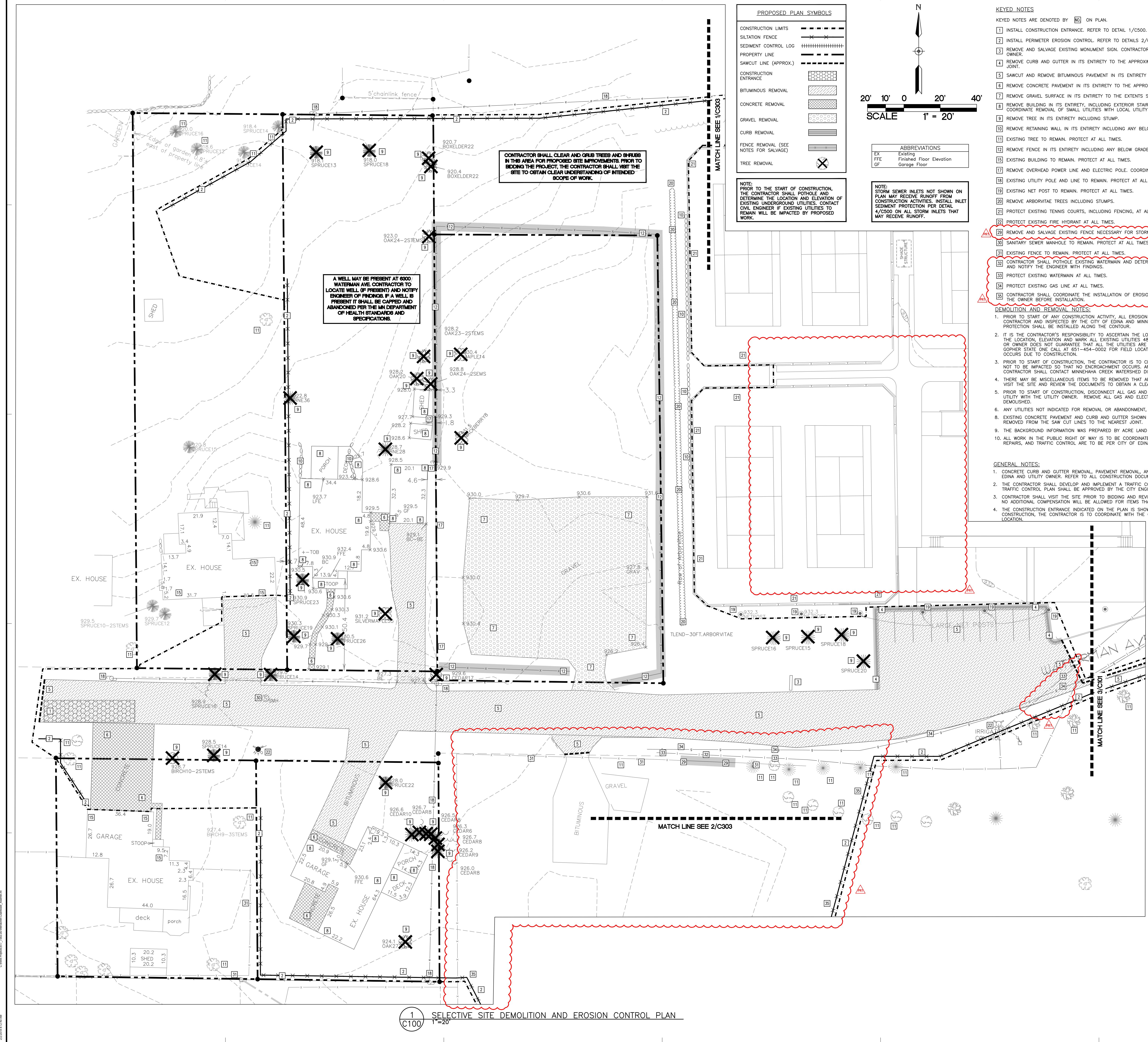
BID SET

no.	date	issued for
03/25/2021		WATERSHED SUBMITTAL
06/07/2021		BID SET
07/15/2021		WATERSHED RESUBMITTAL
08/04/2021		PROPOSAL REQUEST #1

project no.	issue date
20236.50	06/07/2021
drawn	checked
AJA/SJR	KAB

sheet title  
SELECTIVE SITE  
DEMOLITION AND EROSION  
CONTROL PLAN

C100



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Minneapolis, MN 55402

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consultant

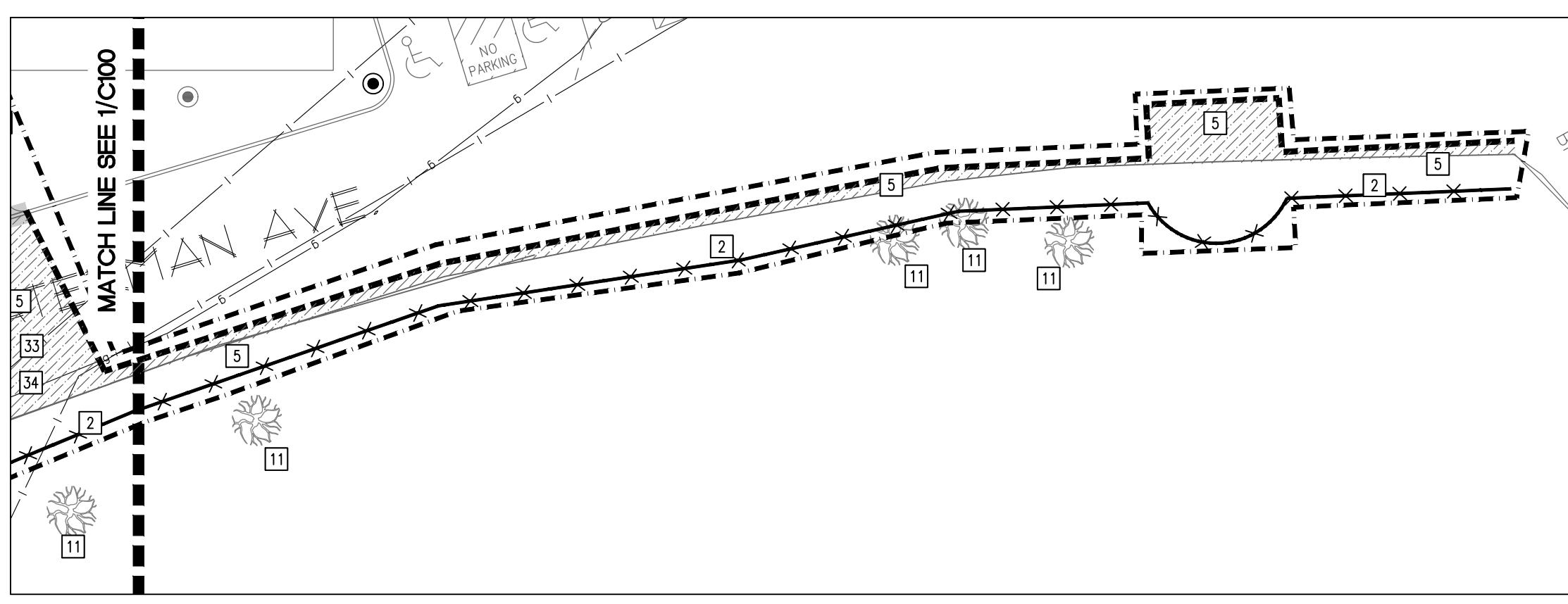
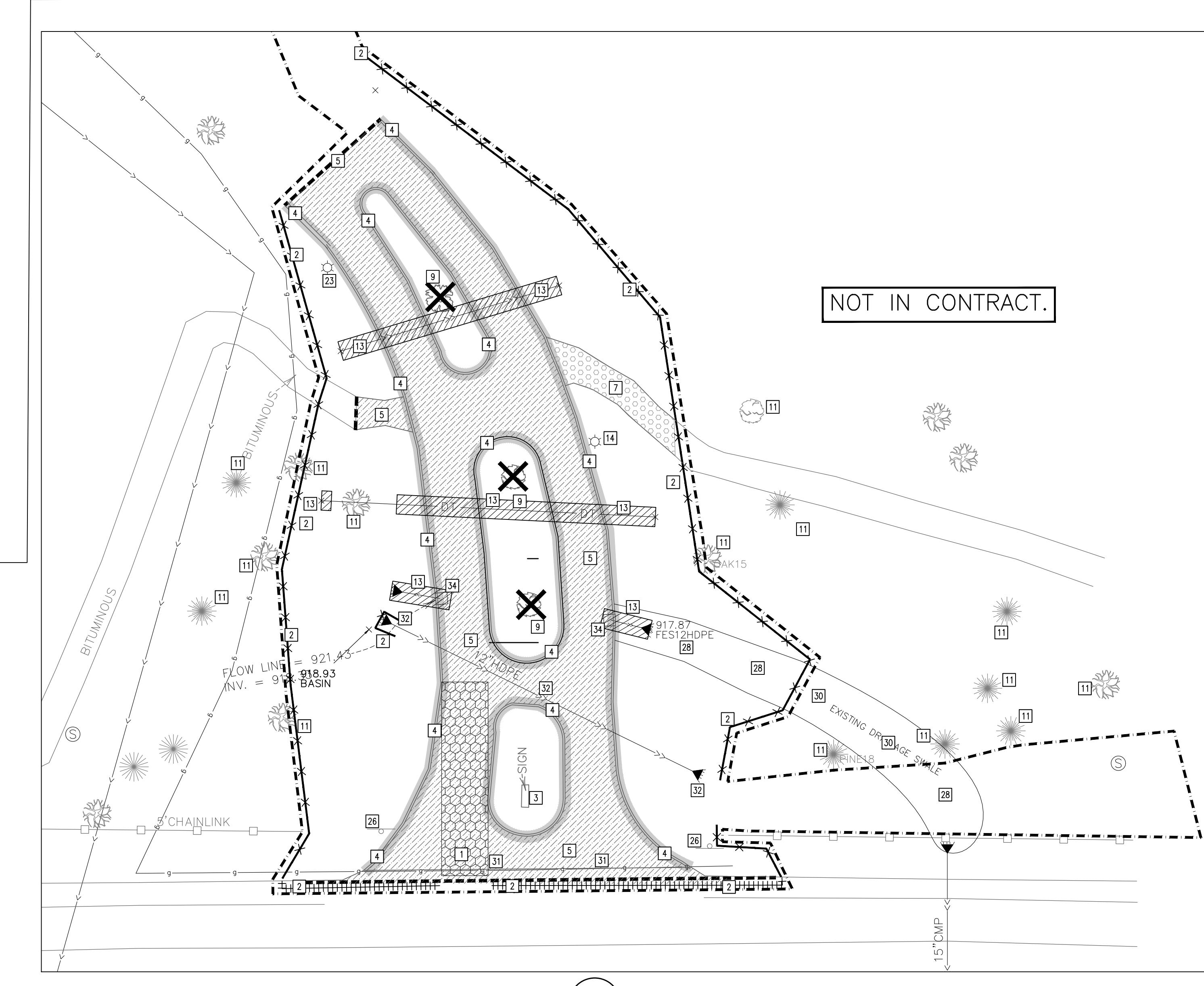
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project title  
INTERLACHEN COUNTRY CLUB  
6200 INTERLACHEN BLVD.  
EDINA, MN 55436



1909



3 SELECTIVE SITE DEMOLITION AND EROSION CONTROL PLAN

BID SET

no. date issued for  
03/25/2021 WATERSHED SUBMITTAL  
06/07/2021 BID SET  
07/15/2021 WATERSHED RESUBMITTAL

project no. issue date  
20236.50 06/07/2021  
drawn checked  
AJA/SJR KAB  
sheet title  
SELECTIVE SITE  
DEMOLITION AND EROSION  
CONTROL PLAN

client  
INTERLACHEN COUNTRY CLUB  
6200 INTERLACHEN BLVD.  
EDINA, MN 55436

seal  
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.

Kevin A. Bohl  
Date 06/07/2021  
Lic. No. 52209



PROPOSED PLAN SYMBOLS	
CONSTRUCTION LIMITS	- - -
SILTATION FENCE	X X
SAWCUT LINE (APPROX.)	- - -
BITUMINOUS REMOVAL	[Hatched]
PIPE REMOVAL	[Cross-hatched]

ABBREVIATIONS	
INV	Invert
FES	Flared End Section
HDPE	High Density Polyethylene
CMP	Corrugated Metal Pipe
DIP	Ductile Iron Pipe

NOTE: PRIOR TO THE START OF CONSTRUCTION, THE CONTRACTOR SHALL LOCATE AND DETERMINE THE LOCATION AND ELEVATION OF EXISTING UNDERGROUND UTILITIES. CONTACT CIVIL ENGINEER FOR INFORMATION. AREAS TO REMAIN WILL BE IMPACTED BY PROPOSED WORK.

NOTE: SEE DEMOLITION AND GENERAL NOTES ON SHEET C101.

20' 10' 0 20' 40'

SCALE 1' = 20'

#### KEYED NOTES

KEYED NOTES ARE DENOTED BY ON PLAN.

- ② INSTALL PERIMETER EROSION CONTROL. REFER TO DETAILS 2/C500 AND 3/C500.
- ⑤ SAWCUT AND REMOVE BITUMINOUS PAVEMENT IN ITS ENTIRETY TO THE APPROXIMATE EXTENTS SHOWN.
- ⑪ EXISTING TREE TO REMAIN. PROTECT AT ALL TIMES.
- ⑯ REMOVE STORM SEWER IN ITS ENTIRETY TO THE EXTENTS SHOWN. FOLLOW ALL CITY OF EDINA STANDARDS AND SPECIFICATIONS.
- ⑭ PROTECT EXISTING UNDERGROUND TELEPHONE LINE AT ALL TIMES.
- ⑮ PROTECT EXISTING FUEL TANKS AND CONCRETE SLAB AT ALL TIMES.

10 South Eighth Street  
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project title

INTERLACHEN COUNTRY CLUB  
6200 INTERLACHEN BLVD.  
EDINA, MN 55436



1909

client

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EDINA, MN 55436

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Kevin A. Bohl

Date 06/07/2021

Lic. No. 52209

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no.	date	issued for
03/25/2021		WATERSHED SUBMITTAL
06/07/2021		BID SET
07/15/2021		WATERSHED RESUBMITTAL

project no.	issue date
20236.50	06/07/2021
drawn	checked
AJA/SJR	KAB


sheet title

SELECTIVE SITE DEMOLITION

AND EROSION CONTROL PLAN -

ALTERNATE #1

C102





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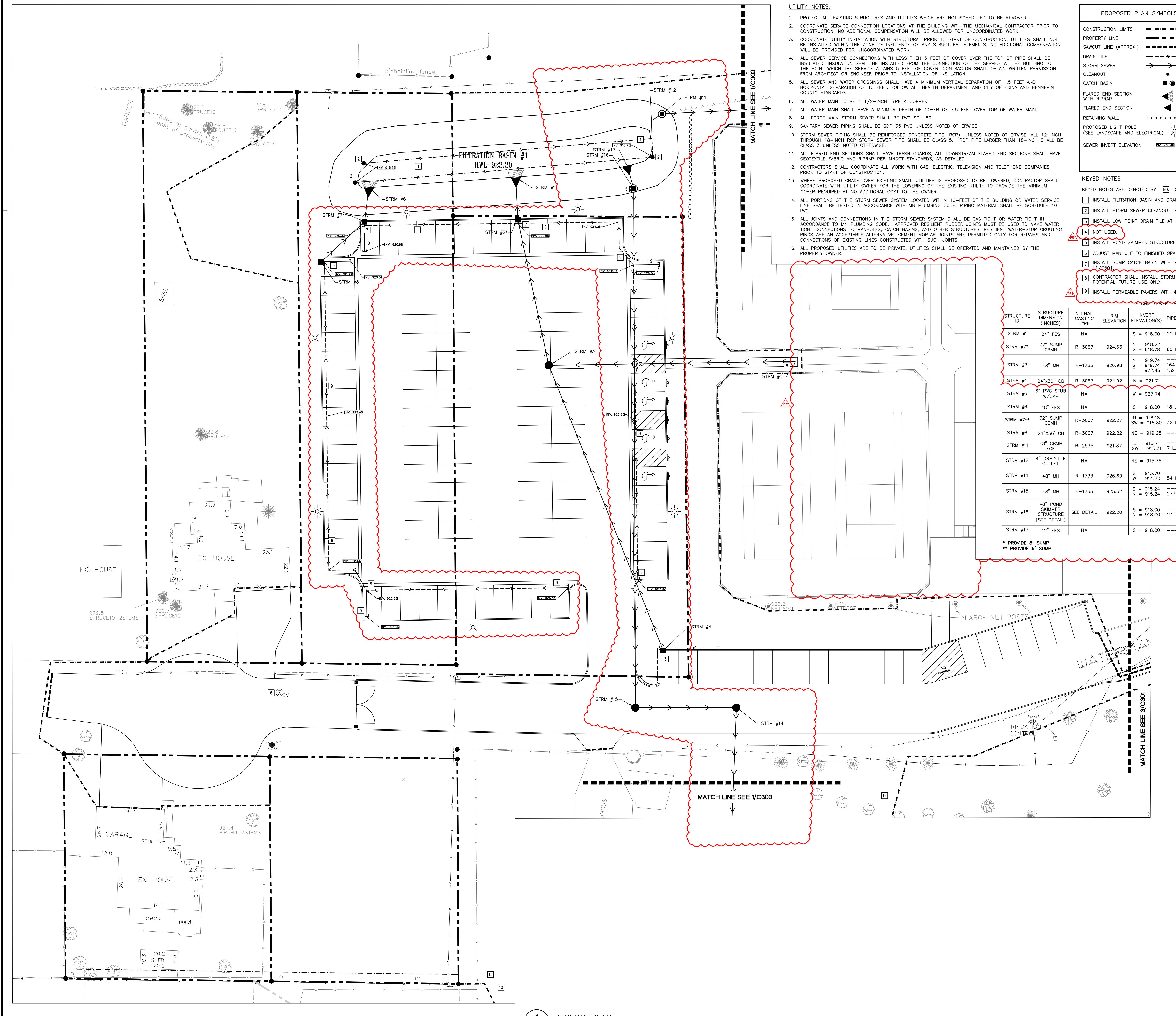
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08/04/2021		PROPOSAL REQUEST #1

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UTILITY PLAN

C300



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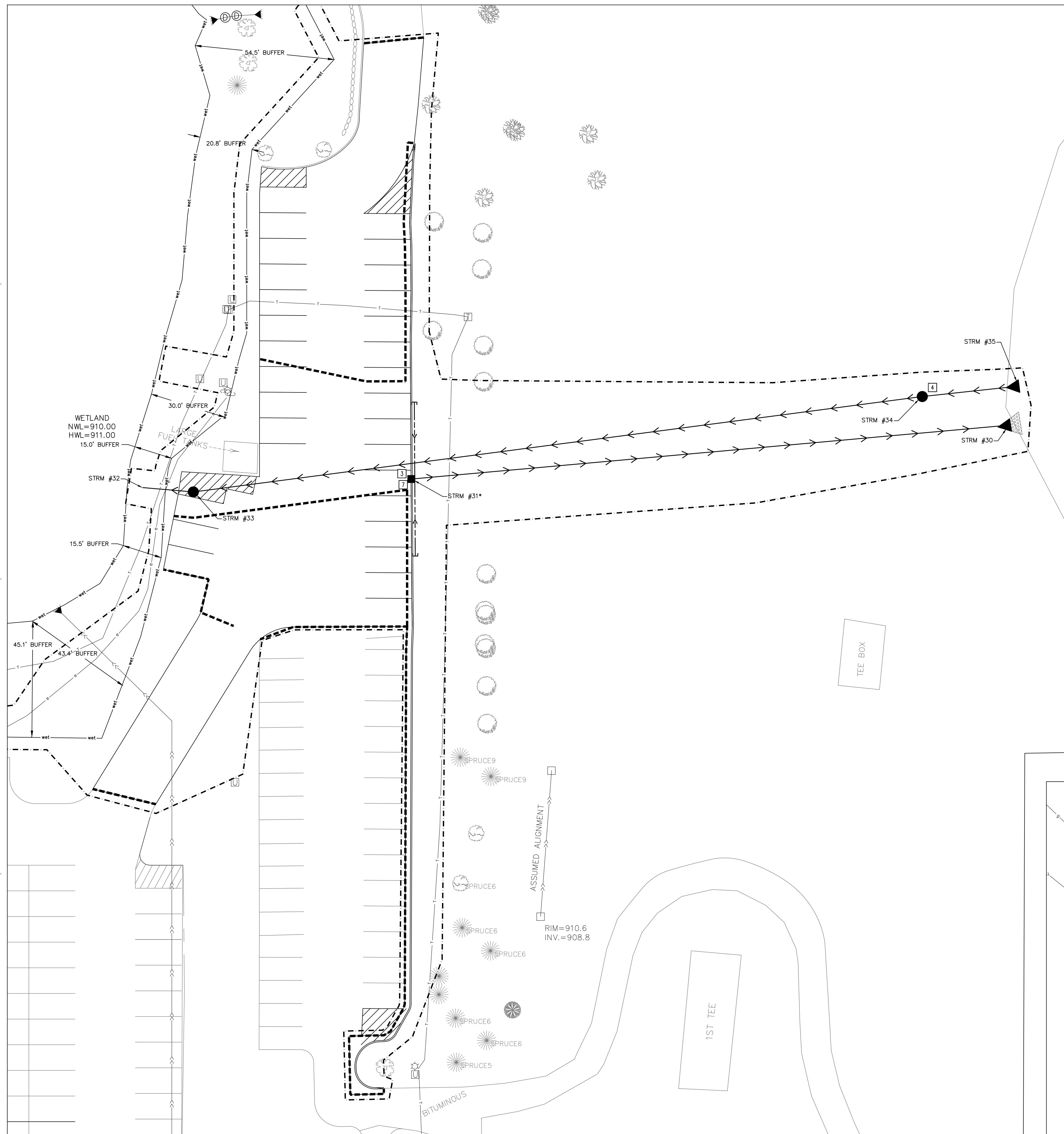
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**KEYED NOTES**  
KEYED NOTES ARE DENOTED BY **[square]** ON PLAN.

- INSTALL LOW POINT DRAIN TILE AT CATCH BASIN REFER TO DETAIL 13/C501.
- INSTALL STORM SEWER LIFT STATION REFER TO DETAILS 5/C501 & 7/C501.
- STUB 1.5-INCH TYPE K COPPER WATER SERVICE TO WITHIN 5'-FEET OF PROPOSED BUILDING. COORDINATE EXACT LOCATION AND INVERT ELEVATION WITH MECHANICAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.
- INSTALL 1.5-INCH CURB STOP AND BOX REFER TO DETAIL 9/C501.
- INSTALL SUMP CATCH BASIN WITH SNOUT, ENVIROHOOD, OR APPROVED EQUAL REFER TO DETAIL 11/C501.
- COORDINATE INSTALLATION OF CATCH BASIN WITH OWNER. OWNER TO PROVIDE CONNECTION TO DOWNSTREAM MANHOLE.
- HOLD 4" PVC PIPE CONTRACTOR TO SAW CUT AND MITER BOTH INLET AND OUTLET PIPE TO PROPOSED SLOPE.
- INSTALL INTRAFLOW INSIDE DROP SYSTEM IN EXISTING MANHOLE. FOLLOW ALL CITY OF EDINA STANDARDS AND SPECIFICATIONS.
- REPLACE RIP RAP FOR DRAINSAGE SWALE AFTER UTILITY CONSTRUCTION IS COMPLETE.
- LOCATE OF PROPOSED SANITARY SEWER SERVICE. REFER TO SANITARY SEWER TABLE FOR INVERT ELEVATIONS AND PIPE SIZES. COORDINATE EXACT LOCATION AND INVERT ELEVATION WITH MECHANICAL CONTRACTOR PRIOR TO THE START OF CONSTRUCTION.

N  
20' 10' 0 20' 40'  
SCALE 1" = 20'

**PROPOSED PLAN SYMBOLS**

CONSTRUCTION LIMITS	---
PROPERTY LINE	- - -
SAWCUT LINE (APPROX.)	- - -
DRAIN TILE	→
STORM SEWER	→
FLARED END SECTION	△
CATCH BASIN	●
MANHOLE	○
FLARED END SECTION WITH RIPRAP	△
WATER PIPE	→
CURB STOP	○
SANITARY SEWER	→
SEWER INVERT ELEVATION	INV. 33048

NOTE: SEE UTILITY NOTES ON SHEET C300.

**ABBREVIATIONS**

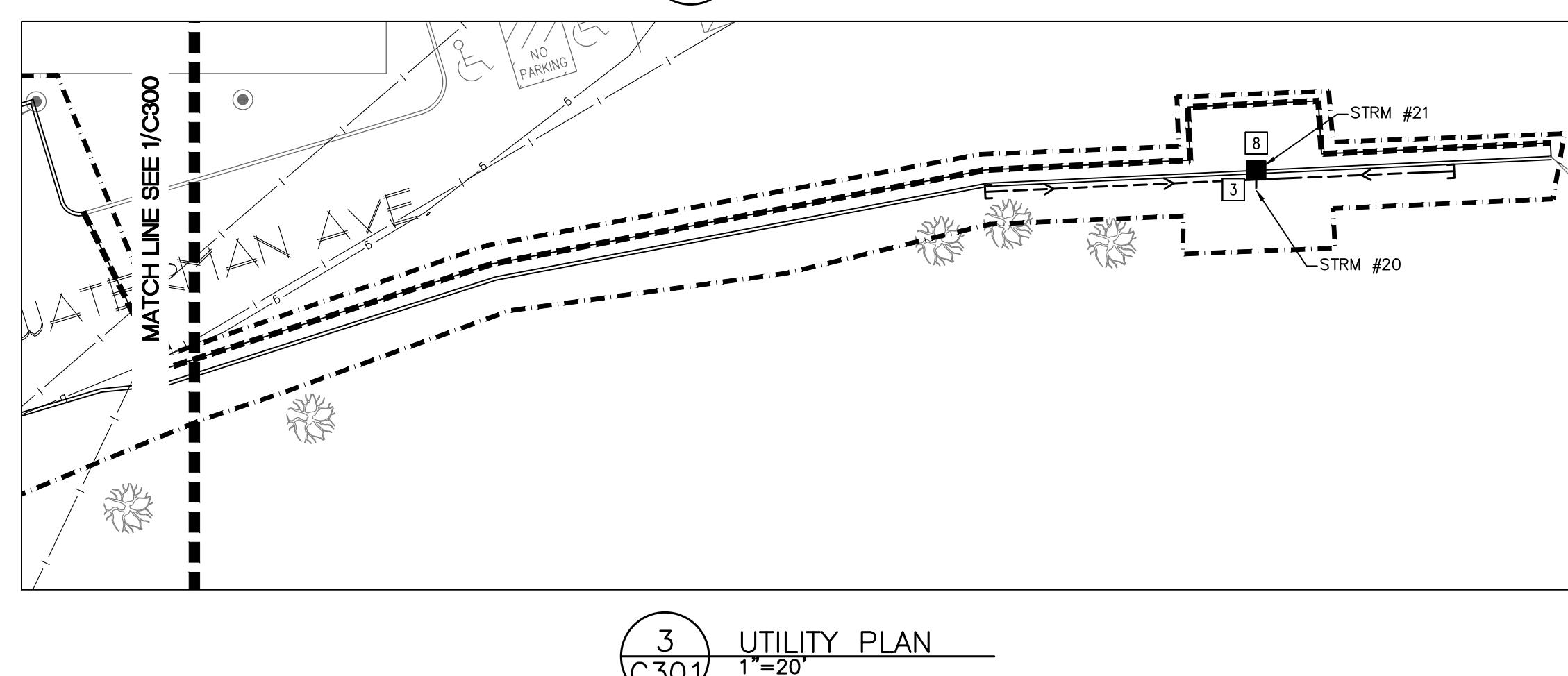
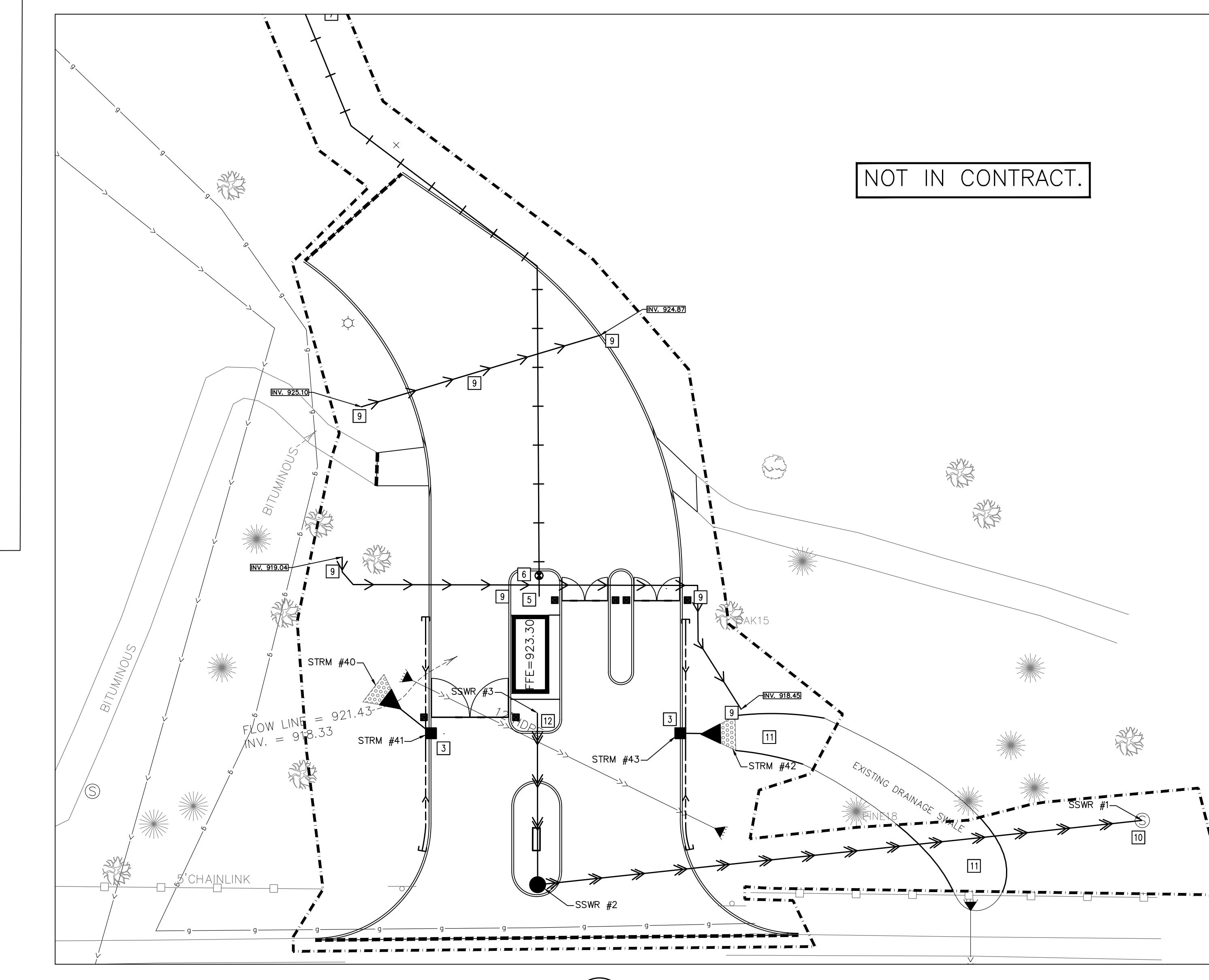
EX	Existing
EOF	Emergency Overflow
INV	Invert
MH	Manhole
CB	Catch Basin
PVC	Polyvinyl Chloride
RCP	Reinforced Concrete
FES	Flared End Section
CMP	Corrugated Metal Pipe
HDP	High Density Polyethylene

SANITARY SEWER TABLE					
STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
SSWR #1	EX MH CONNECTION	EXISTING	918.84	E = 899.48 W = 899.48	-----
SSWR #2	48" MH	R-1733	923.20	E = 915.32 N = 915.42	156 L.F. OF 4" PVC @ 2.00%, SSWR #2
SSWR #3	SANITARY SEWER SERVICE CONNECTION	NA		S = 916.30	-----

STORM SEWER TABLE					
STRUCTURE ID	STRUCTURE DIMENSION (INCHES)	NEENAH CASTING TYPE	RIM ELEVATION	INVERT ELEVATION(S)	PIPE LENGTH, DIAMETER, SLOPE & NEXT UPSTREAM STRUCTURE
STRM #20	6" PVC CAP	NA	N = 920.94	3 L.F. OF 6" PVC @ 2.00%, STRM #21	
STRM #21	48" CB	R-3501-TB	S = 921.00	-----	
STRM #30	21" FES	NA	W = 907.50	235 L.F. OF 21" RCP @ 0.47%, STRM #31*	
STRM #31*	48" SUMP CBMH	R-3067	912.60	E = 908.60	-----
STRM #32	4" PVC DAYLIGHT	NA	E = 911.50	20 L.F. OF 4" PVC @ 1.00%, STRM #33	
STRM #33	27" MH	R-1733	914.00	W = 911.70 E = 911.70	287 L.F. OF 4" PVC @ -1.33%, STRM #34
STRM #34	60" PUMP (SEE DETAIL)	R-1878-B10L	910.00	W = 907.90 E = 906.90	38 L.F. OF 15" RCP @ -5.01%, STRM #35
STRM #35	15" FES	NA	W = 905.00	-----	
STRM #40	15" FES	NA	SE = 918.50	15 L.F. OF 15" RCP @ 1.04%, STRM #41	
STRM #41	24"X36" CB	R-3501-TB	NW = 918.66	-----	
STRM #42	15" FES	NA	W = 917.50	10 L.F. OF 15" RCP @ 2.19%, STRM #43	
STRM #43	24"X36" CB	R-3501-TB	921.45	E = 917.73	-----

\* PROVIDE 6' SUMP

NOT IN CONTRACT.





1  
C302 NOT IN CONTRACT  
1"=20"



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project no. 20236.50 issue date 06/07/2021  
drawn checked  
AJA/SJR KAB  
sheet title DEMOLITION AND UTILITY PLAN

C302

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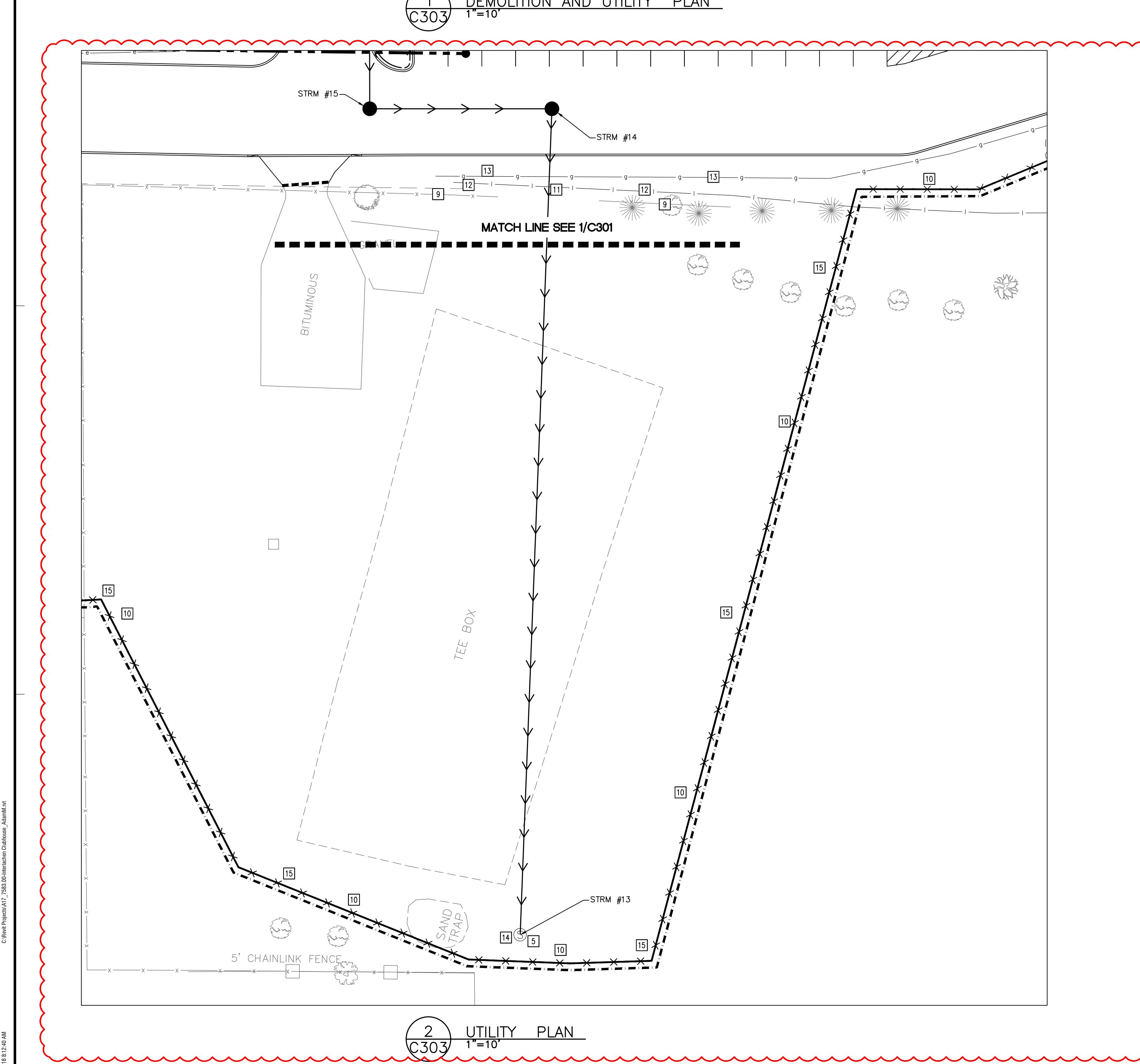
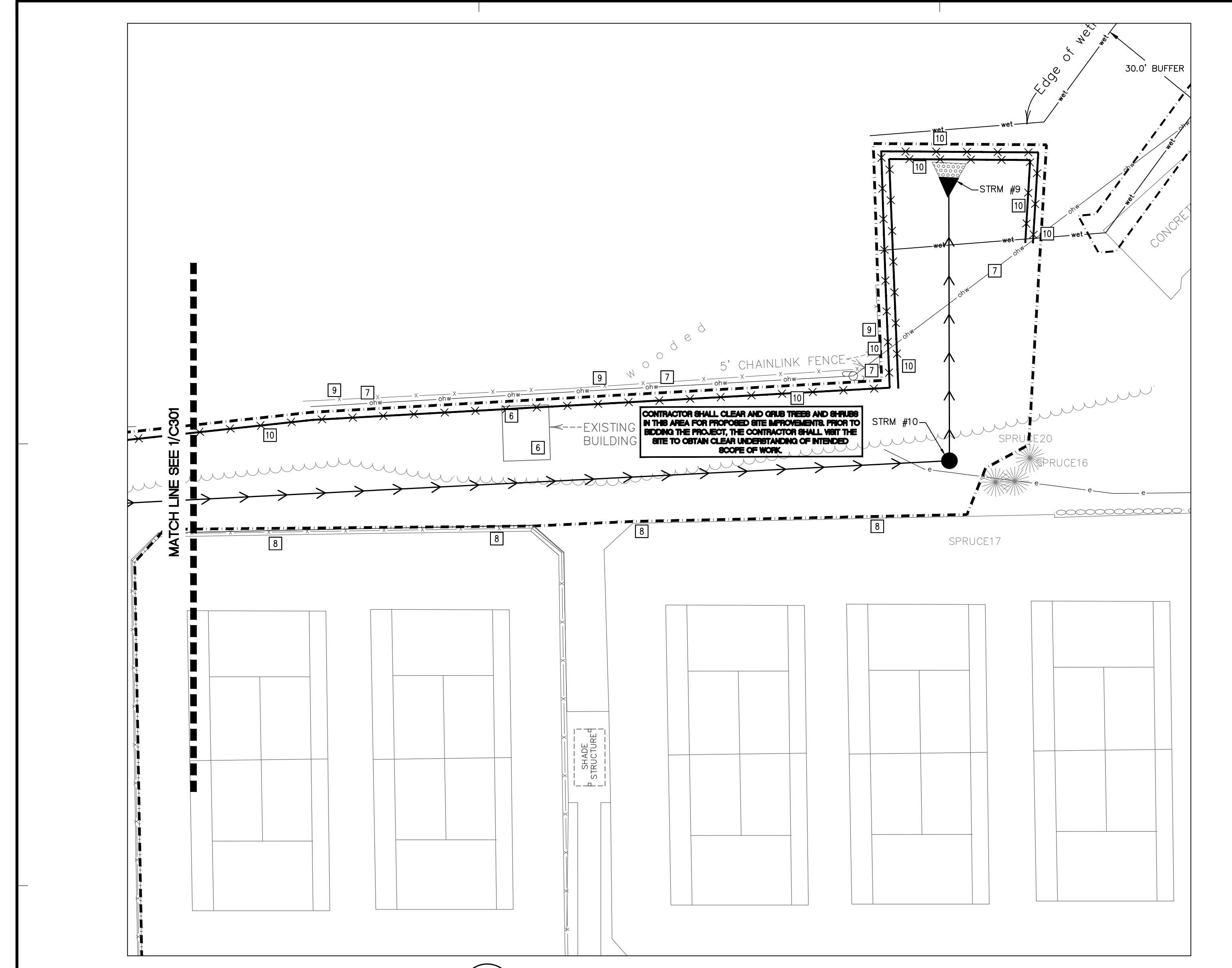
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project no.	issue date
20236.50	06/07/2021
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AJA/SJR	KAB
sheet title	

DEMOLITION AND UTILITY  
PLAN

C303



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project no. 20236.50  
drawn AJA/SJR  
checked KAB  
sheet title PAVING AND GEOMETRIC PLAN

C400

**PAVING NOTES:**

- ALL DIMENSIONS ARE TO FACE OF CURB UNLESS NOTED OTHERWISE.
- ALL CURB AND GUTTER IS TO BE B612 CONCRETE CURB AND GUTTER UNLESS NOTED OTHERWISE.
- NO SIDEWALK IS TO HAVE MORE THAN A 2% CROSS SLOPE OR MORE THAN A 5% LONGITUDINAL SLOPE.
- ALL PARKING STALLS, INCLUDING ACCESSIBLE STALLS, ARE TO BE 10 FEET WIDE BY 18 FEET LONG, UNLESS NOTED OTHERWISE.
- CONTRACTOR SHALL STRIPE PARKING LOT PER PLAN LAYOUT AND SPECIFICATIONS.
- ACCESSIBLE AISLES SHALL BE STRIPED PER MN CODE (SECTION 502), WHERE "NO PARKING" SIGNAGE WOULD OBSTRUCT A CURB RAMP OR ACCESSIBLE ROUTE, "NO PARKING" SHALL BE PRINTED ON THE SURFACE OF THE ACCESS AISLE.
- THE CONTRACTOR IS TO CONTACT THE CITY OF EDINA FIRE MARSHALL FOR THE EXACT PLACEMENT OF FIRE LANES, YELLOW-PAINTED CURBING AND NO PARKING AREAS FOR FIRE PROTECTION PURPOSES.
- INSTALL APPROPRIATE EXPANSION MATERIAL WHERE CONCRETE IS ADJACENT TO BUILDING FACE.
- MATCH NEW PAVEMENT INTO EXISTING PAVEMENT. NO ABRUPT GRADE TRANSITIONS OR PONDING OF WATER WILL BE ALLOWED.
- MATCH NEW CONCRETE CURB AND GUTTER INTO EXISTING. NO ABRUPT GRADE TRANSITIONS OR PONDING OF WATER WILL BE ALLOWED.
- MATCH NEW SIDEWALK INTO EXISTING SIDEWALK. NO ABRUPT GRADE TRANSITIONS OR PONDING OF WATER WILL BE ALLOWED.
- SAWCUT EXISTING PAVEMENT, SIDEWALK, AND CURB AND GUTTER TO NEAREST JOINT. COORDINATE REMOVAL LIMITS WITH SITE DEMOLITION CONTRACTOR AND CONSTRUCTION MANAGER.
- REFER TO SPECIFICATIONS FOR GRADE VERIFICATION SURVEY REQUIREMENTS PRIOR TO PLACEMENT OF SUB-BASE MATERIAL, BASE MATERIAL, AND PAVEMENTS/SIDEWALKS.

**INTERLACHEN CAMPUS PARKING STALL COUNT**  
EXISTING TOTAL: 258  
EXISTING ACCESSIBLE STALL TOTAL: 6  
PROPOSED PARKING STALL TOTAL: 124  
NEW ACCESSIBLE STALL TOTAL: 5  
RE-STRIPE STALL TOTAL: 29  
FINAL PARKING STALL TOTAL: 367  
FINAL ADA STALL TOTAL: 11

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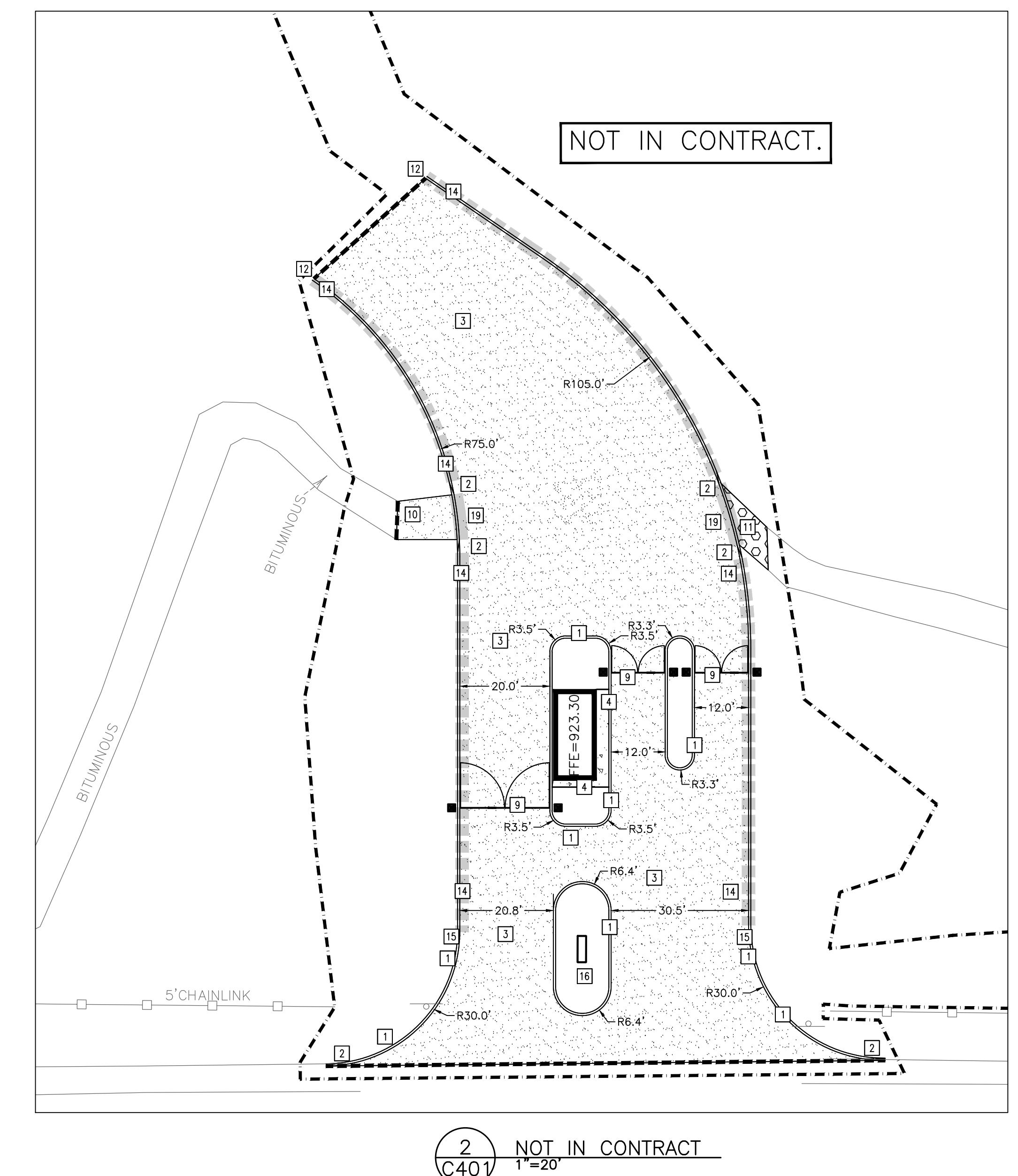
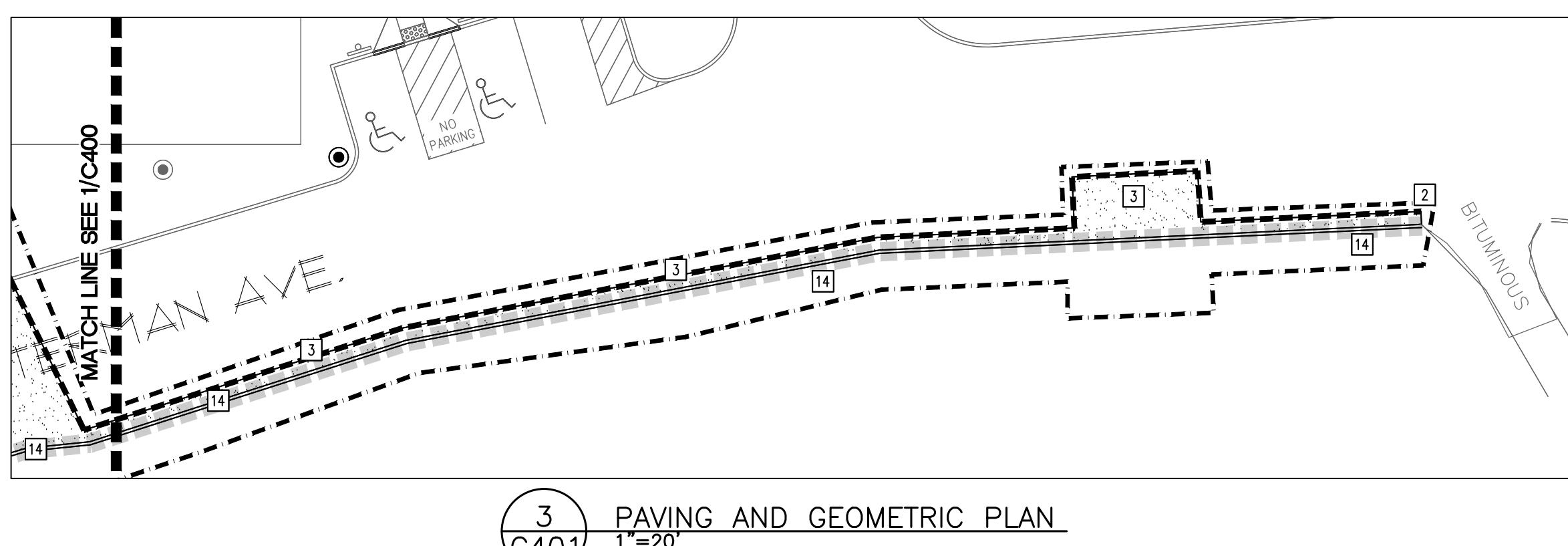
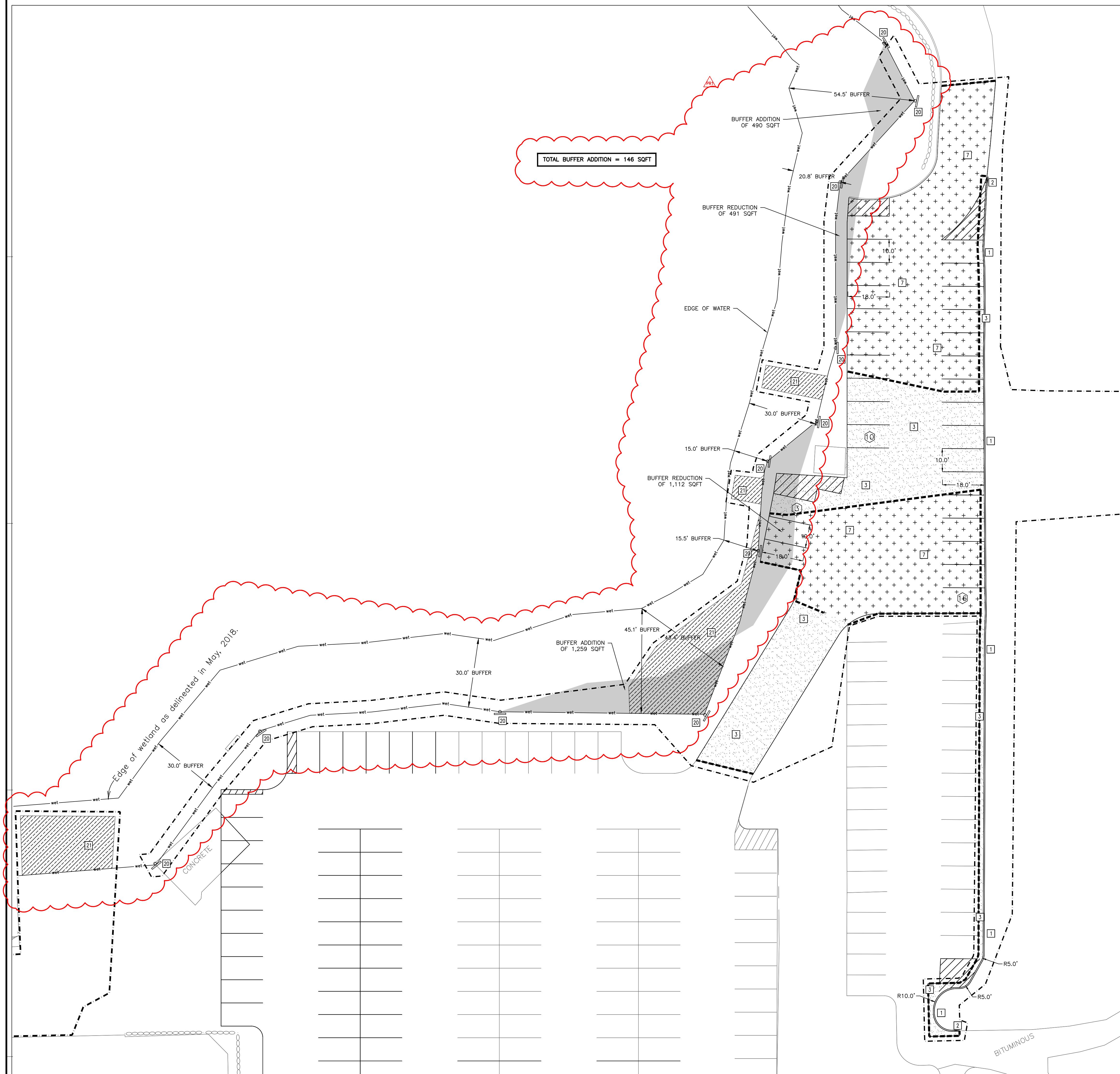
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07/15/2021		WATERSHED RESUBMITTAL

project no. 20236.50 issue date 06/07/2021  
drawn checked  
AJA/SJR KAB  
sheet title PAVING AND GEOMETRIC PLAN

**C401**



**shea**

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ENGINEERS

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project title  
INTERLACHEN COUNTRY CLUB  
6200 INTERLACHEN BLVD.  
EDINA, MN 55436



client  
INTERLACHEN COUNTRY CLUB  
6200 INTERLACHEN BLVD.  
EDINA, MN 55436

seal  
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.

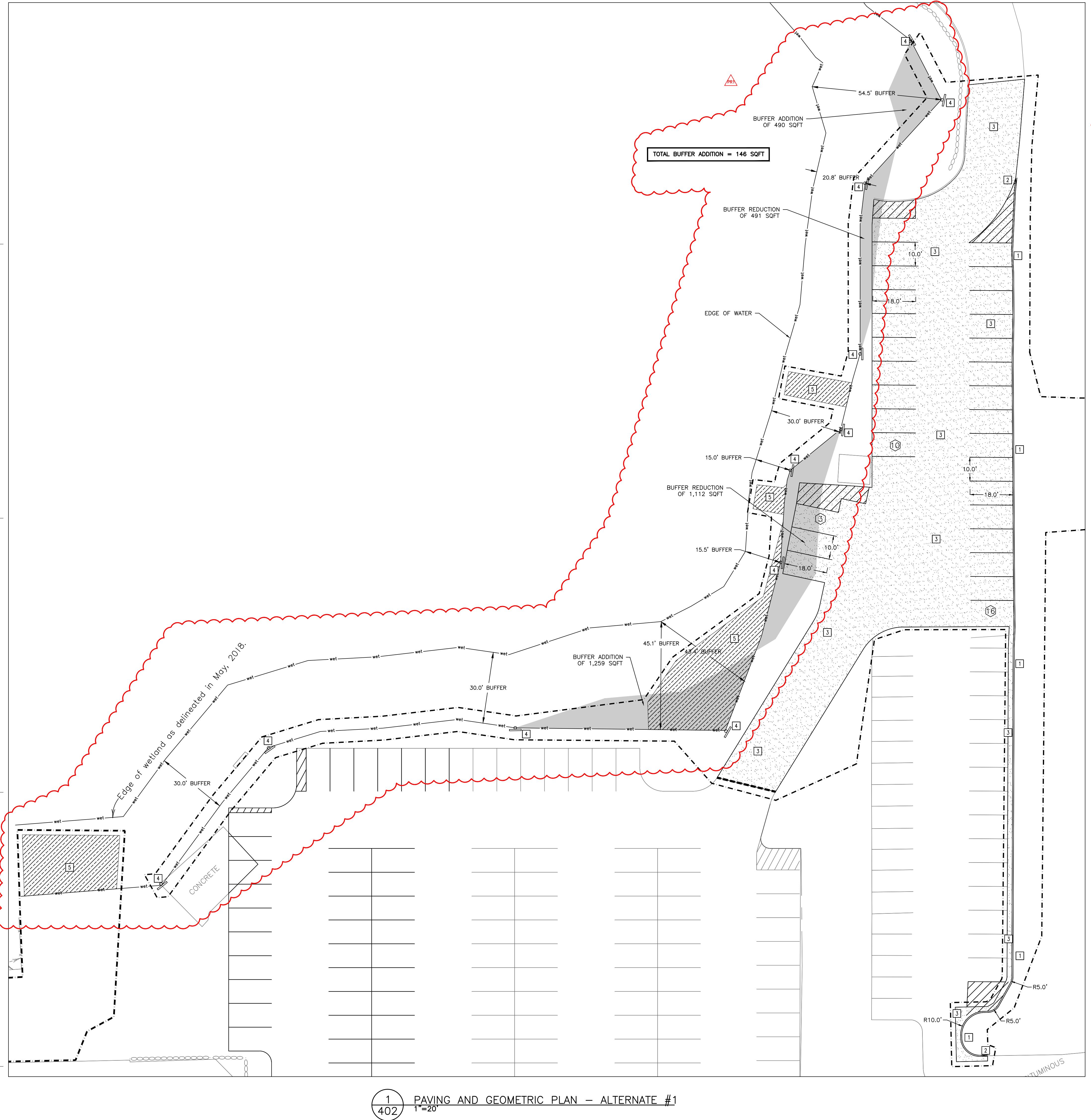
*Kevin A. Bohl*  
Date 06/07/2021  
Lic. No. S2209

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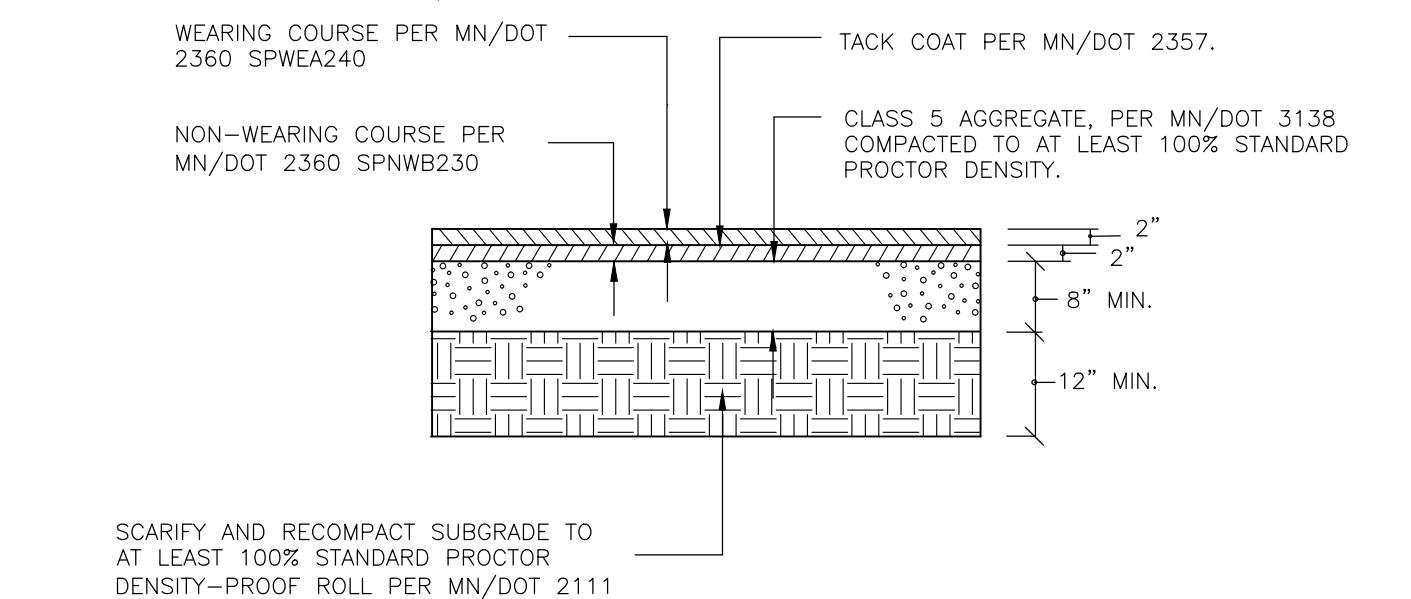
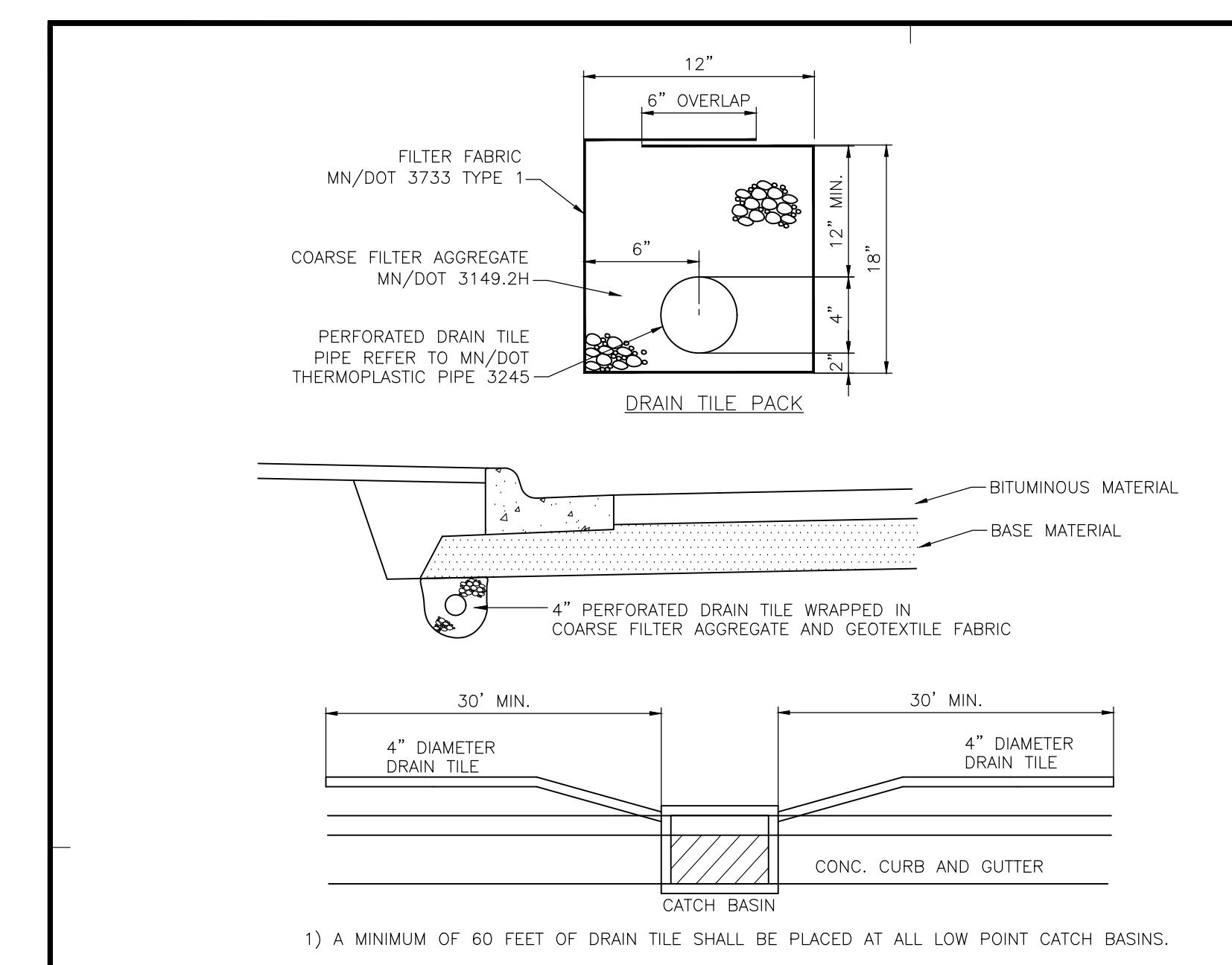
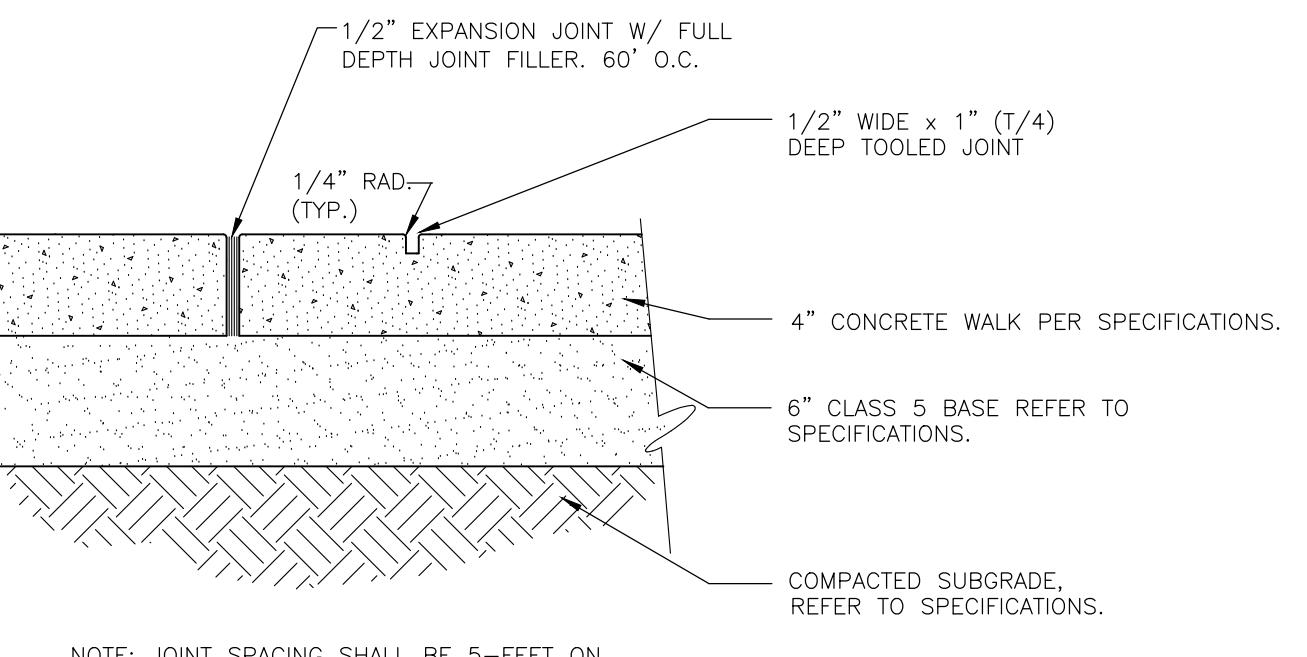
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AIA	08/04/2021	PROPOSAL REQUEST #1

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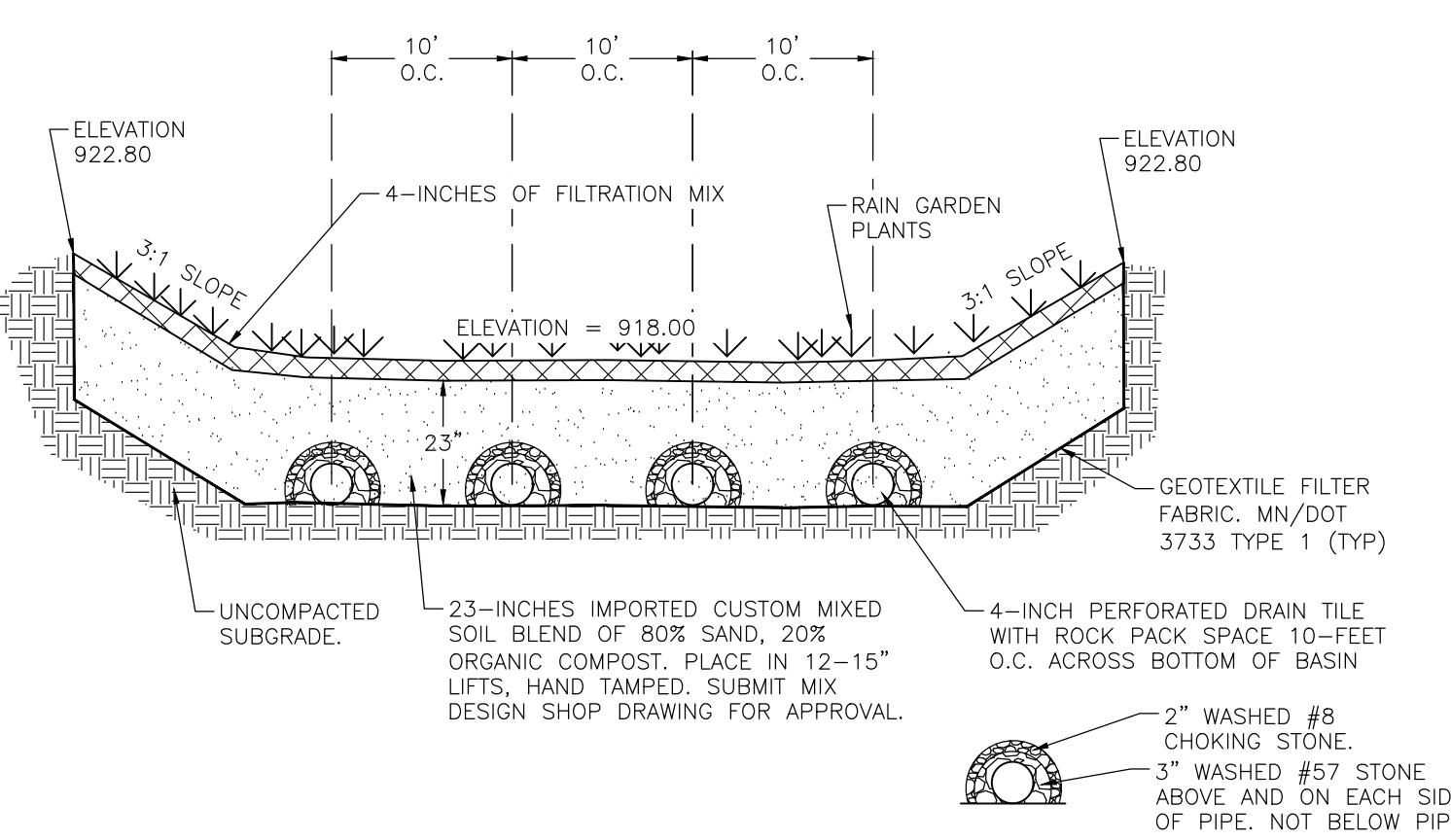
**C402**



1 PAVING AND GEOMETRIC PLAN - ALTERNATE #1  
402 1'=20'

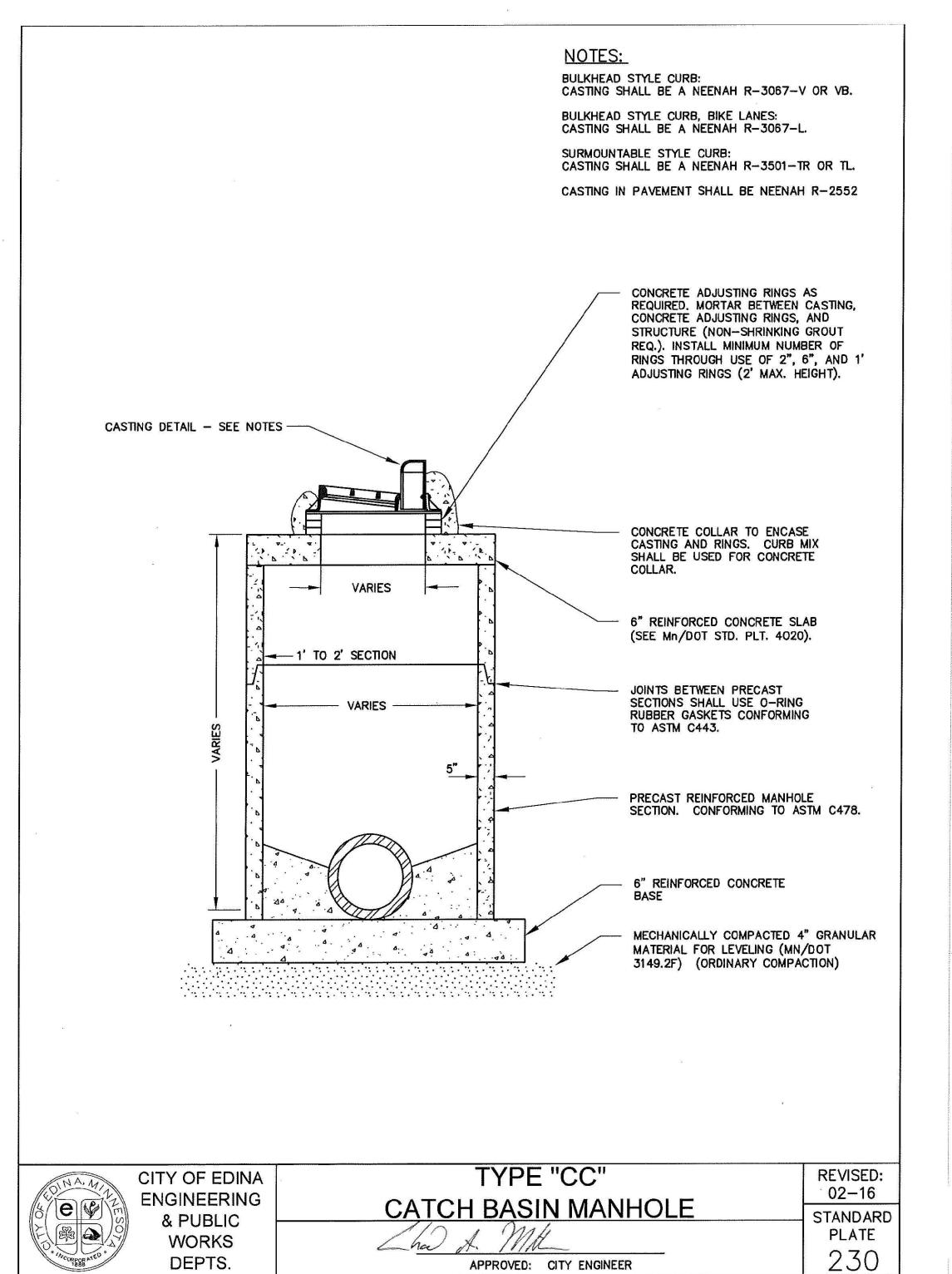
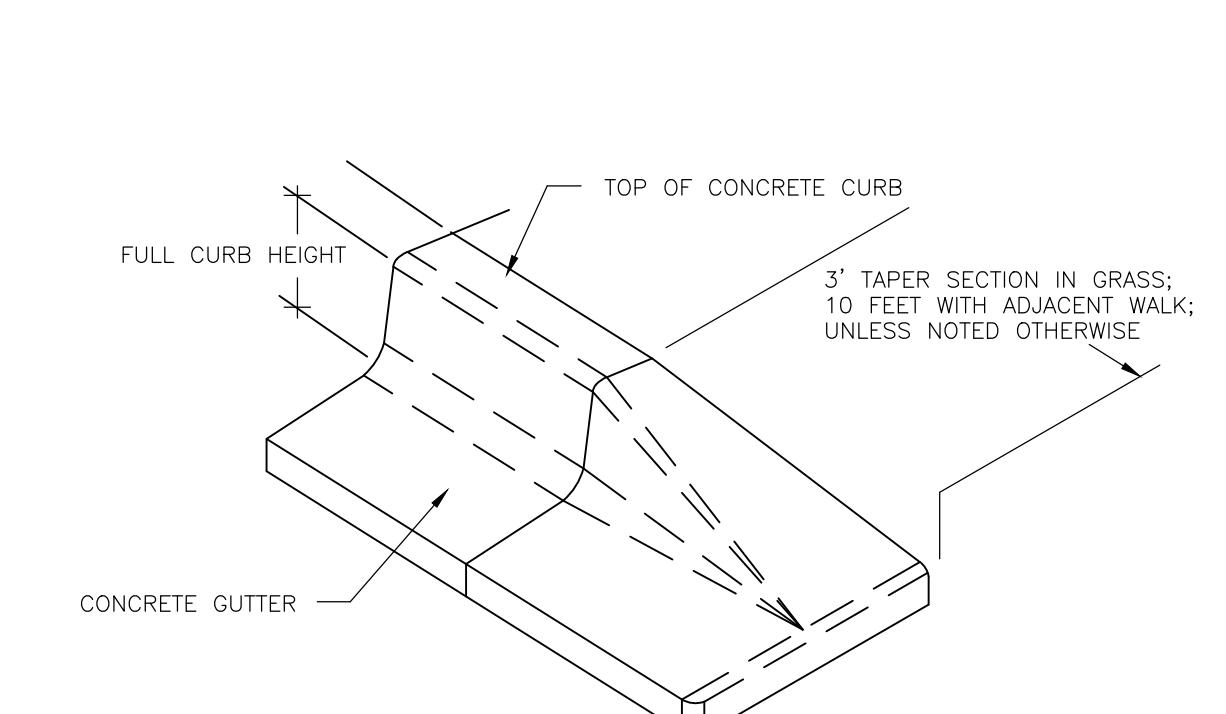
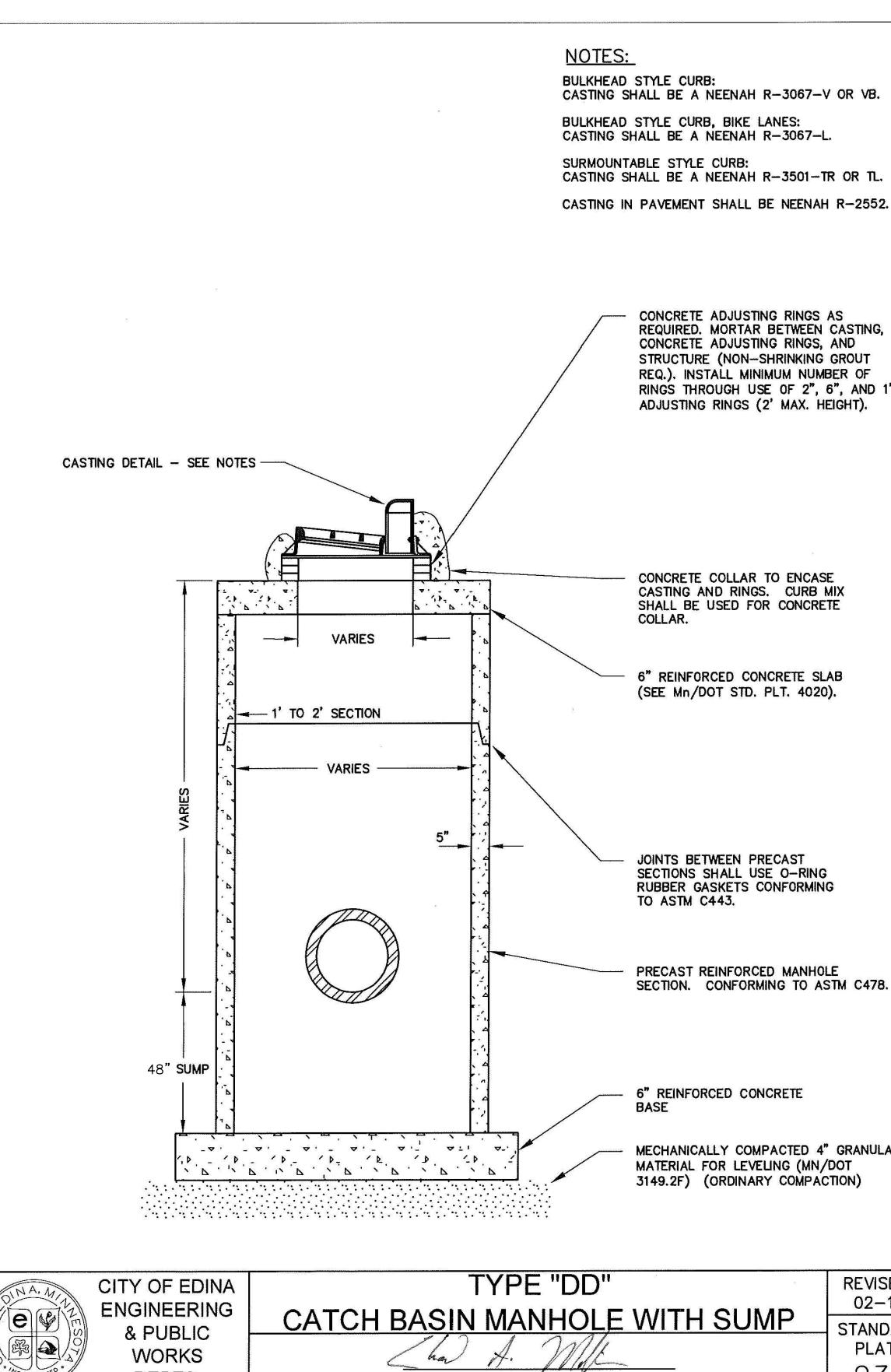
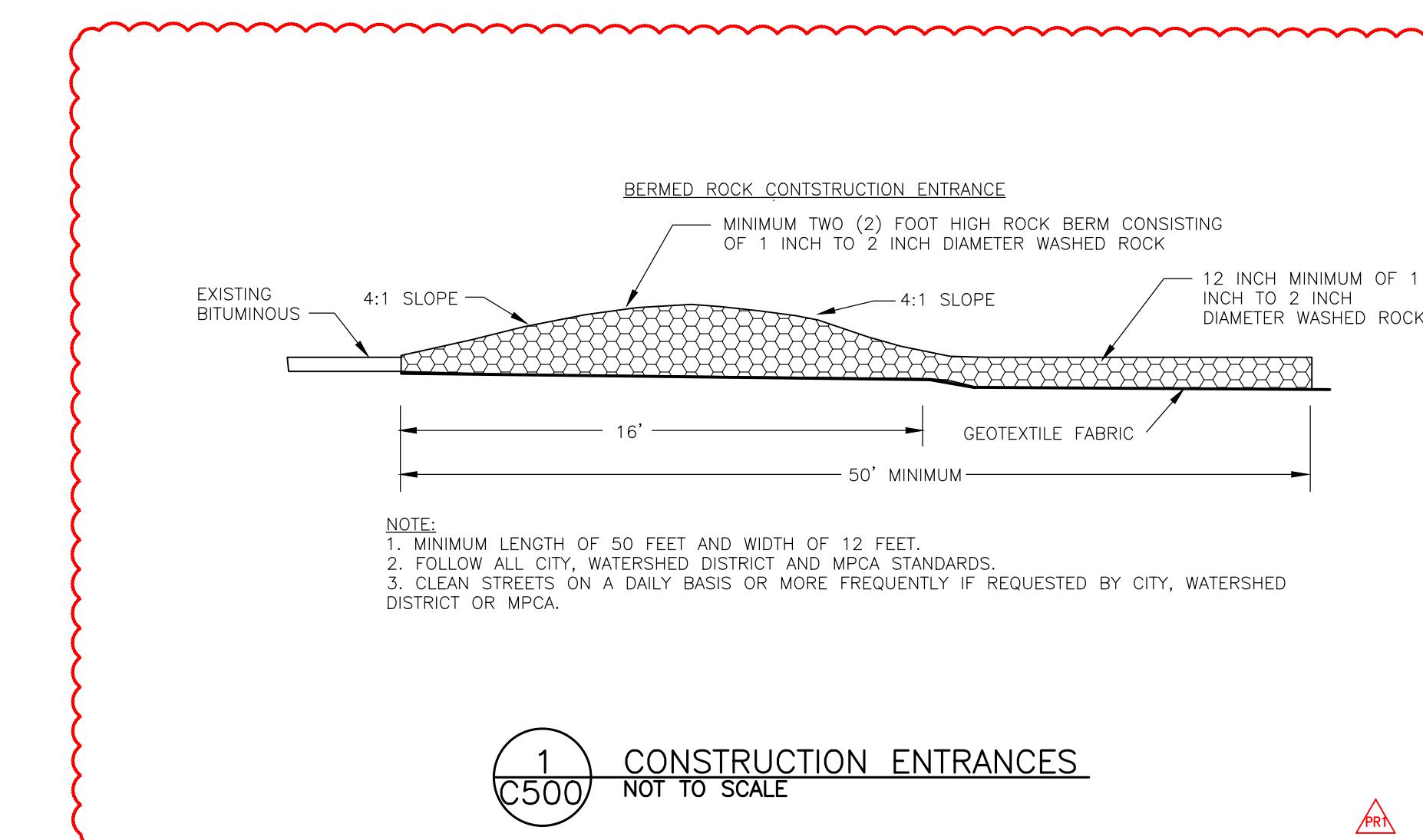
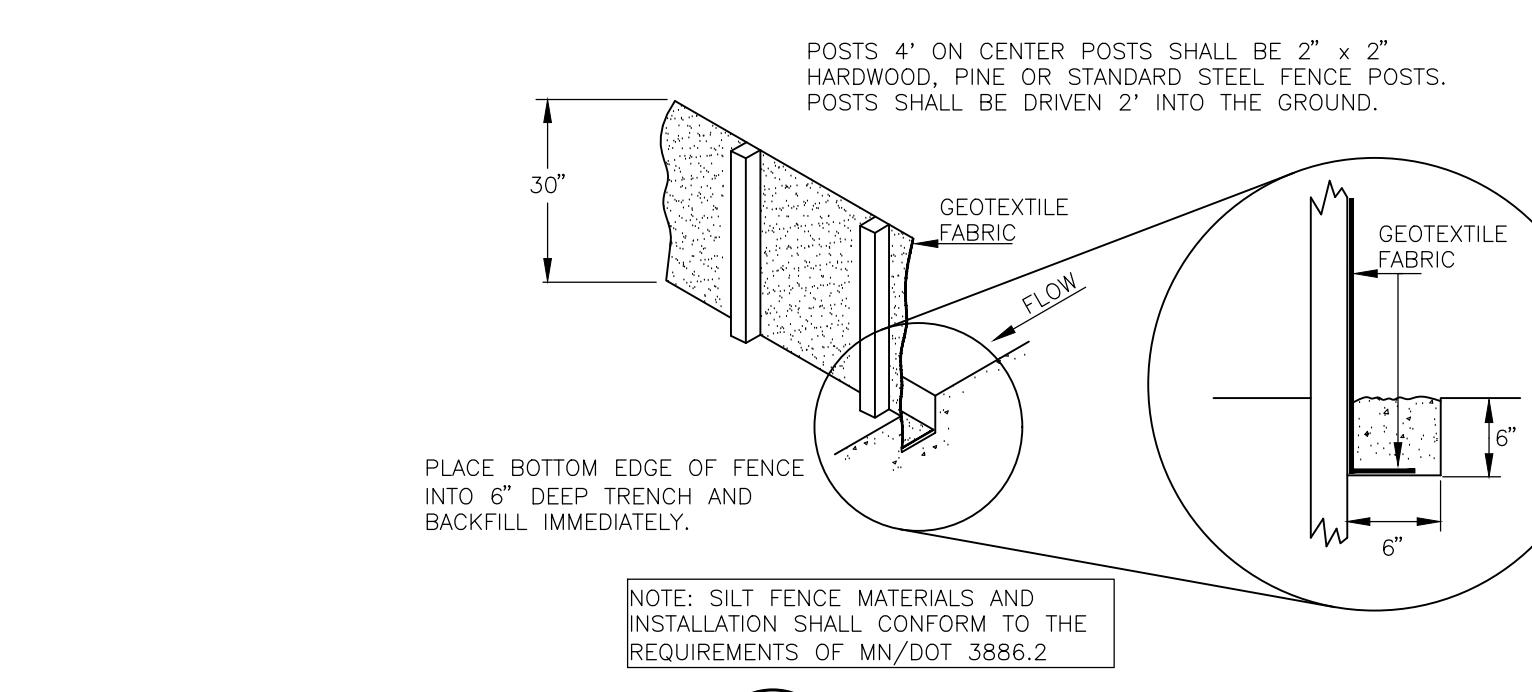
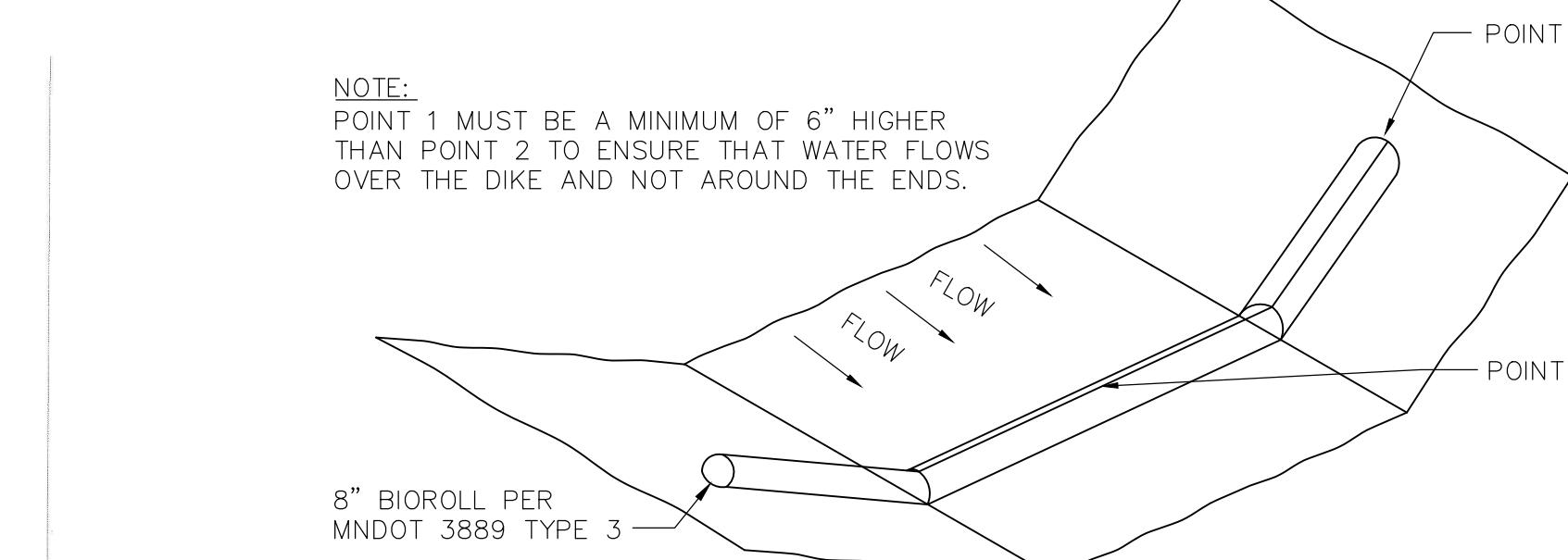
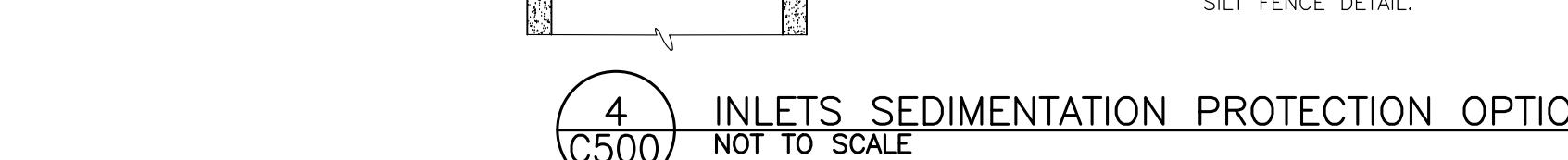
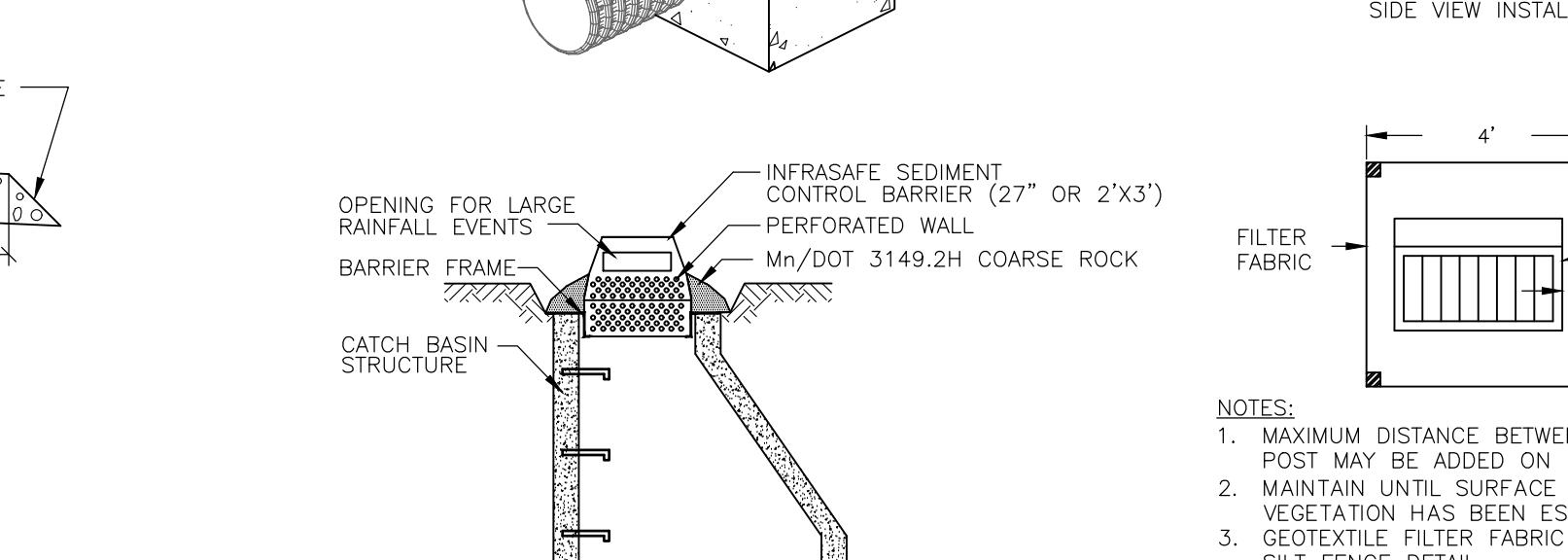
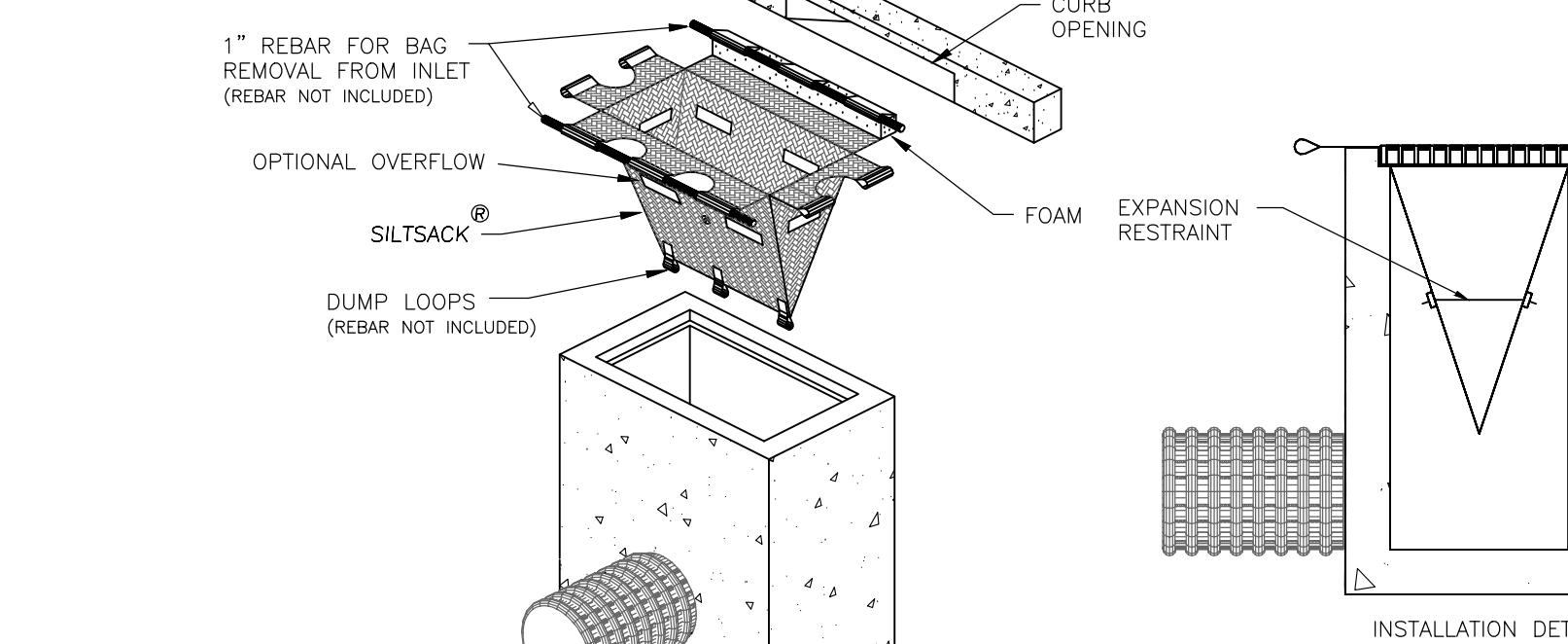
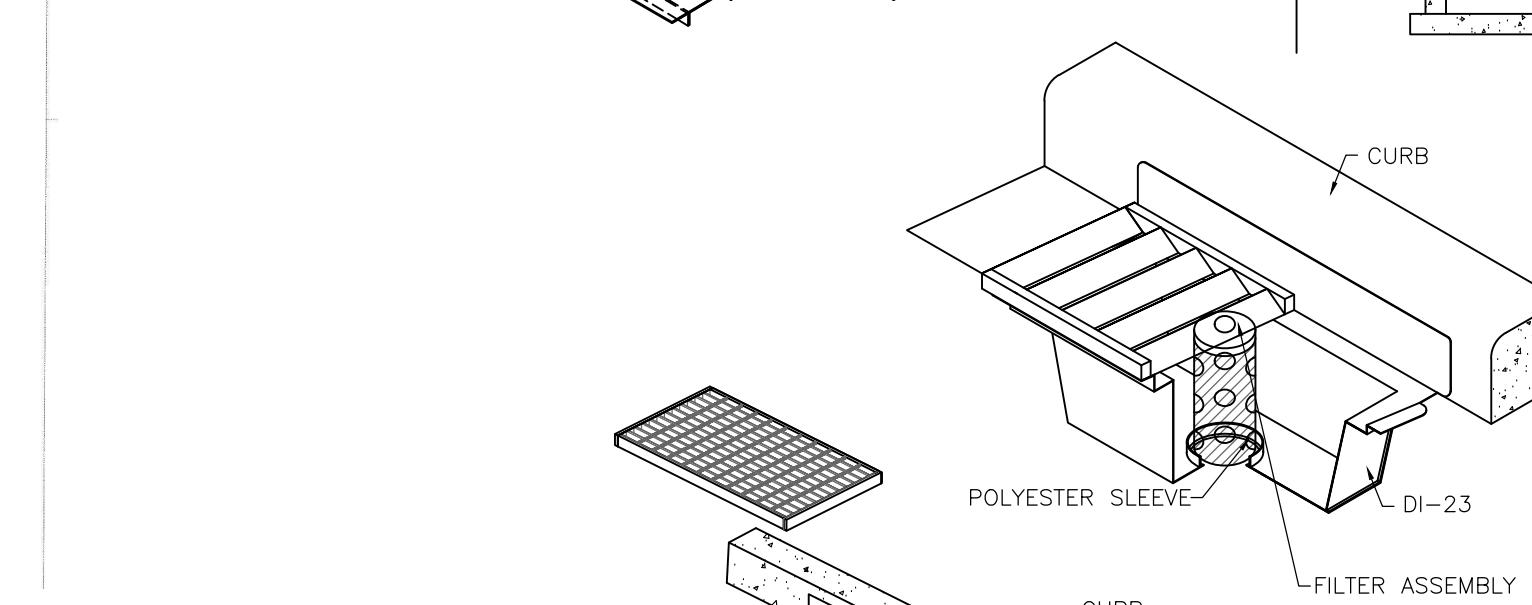
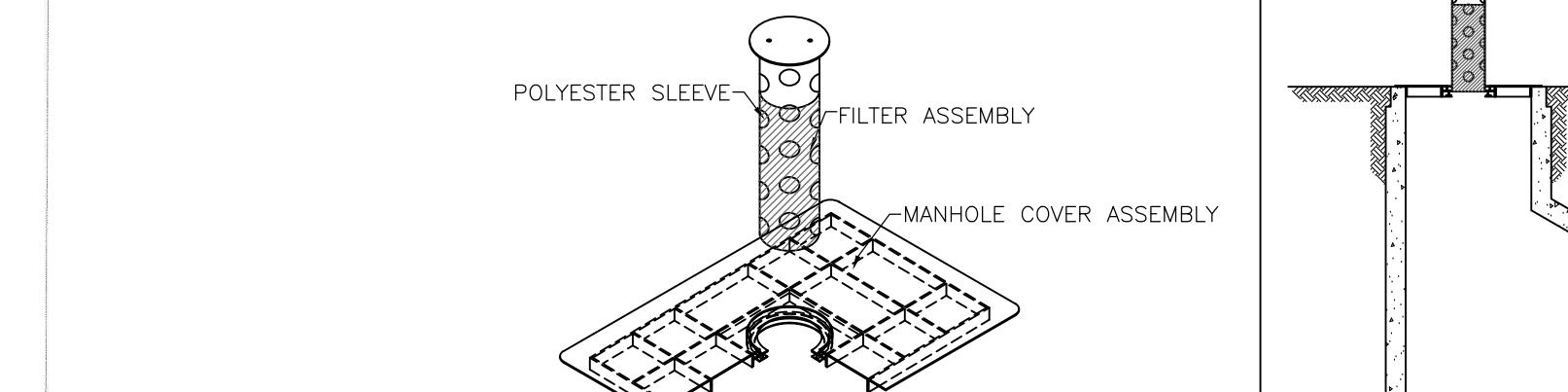

**8 BITUMINOUS PAVEMENT**  
 C500 NOT TO SCALE


- 1) A MINIMUM OF 60 FEET OF DRAIN TILE SHALL BE PLACED AT ALL LOW POINT CATCH BASINS.
- 2) THE FIRST 18' AT CATCH BASIN SHALL BE SOLID WALL SCH 40 PVC. DRAIN TILE SHALL BE PLACED BEHIND THE PROPOSED CURB LINE.
- 3) MAINTAIN POSITIVE SLOPE AWAY FROM CATCH BASIN AT ALL TIMES. DRAIN TILE SLOPE SHALL MATCH PROPOSED AT GRADE SLOPE OR 0.5 PERCENT, WHICH EVER IS GREATER.
- 4) FOR CATCH BASINS NOT LOCATED IN A CURB LINE CONTRACTOR SHALL EXTEND DRAIN TILE IN 4 DIRECTIONS, IN THE SHAPE OF AN "X", FOR 15'-FEET FROM EDGE OF CATCH BASIN STRUCTURE.
- 5) CONTRACTOR SHALL PROVIDE SOLID WALL PVC PIPE TO 10'-FEET OF EITHER SIDE OF WATERMAIN CROSSINGS.
- 6) DRAIN TILE SHALL CONNECT TO CATCH BASIN AT 2.5'-FEET BELOW THE PROPOSED RIM ELEVATION OR THE BOTTOM OF THE PAVEMENT BASE MATERIAL, WHICHEVER IS DEEPER.
- 7) PIPE CAPS SHALL BE INSTALLED ON THE END RUNS OF ALL DRAIN TILE PIPE.

**13 DRAIN TILE AT LOW POINT CATCH BASIN**  
 C500 NOT TO SCALE


NOTE:  
 REFER TO MINNESOTA STORMWATER MANUAL  
 FOR RAINGARDEN PLANTINGS

**14 FILTRATION BASIN DETAIL**  
 C500 NOT TO SCALE

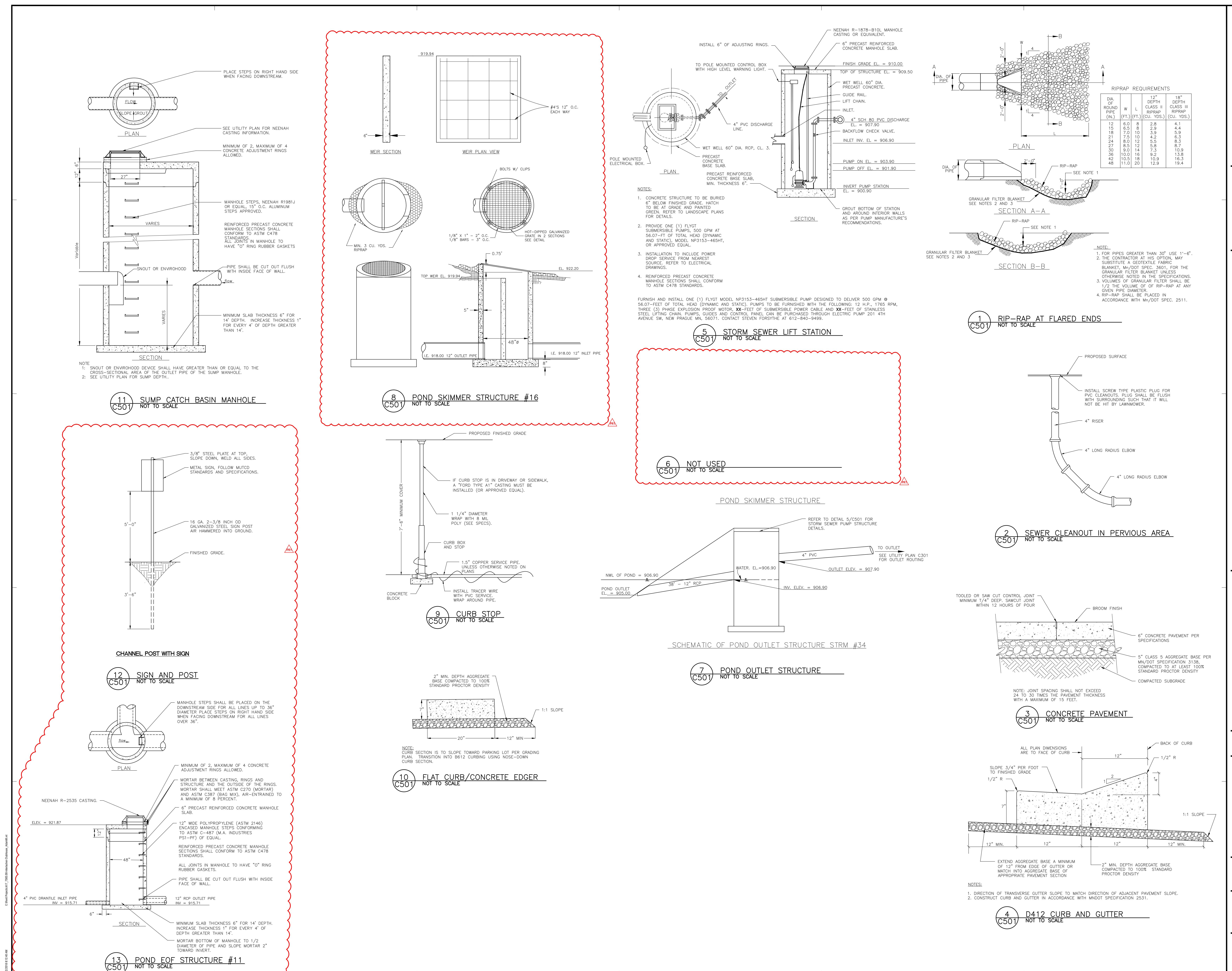
**9 CONCRETE SIDEWALK CONSTRUCTION (TYP.)**  
 C500 NOT TO SCALE

**5 STORM SEWER MANHOLE**  
 C500 NOT TO SCALE

**6 SUMP CATCH BASIN**  
 C500 NOT TO SCALE

**1 CONSTRUCTION ENTRANCES**  
 C500 NOT TO SCALE

**2 SILTATION FENCE**  
 C500 NOT TO SCALE

**3 BIO ROLL**  
 C500 NOT TO SCALE

**BID SET**

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CIVIL DETAILS



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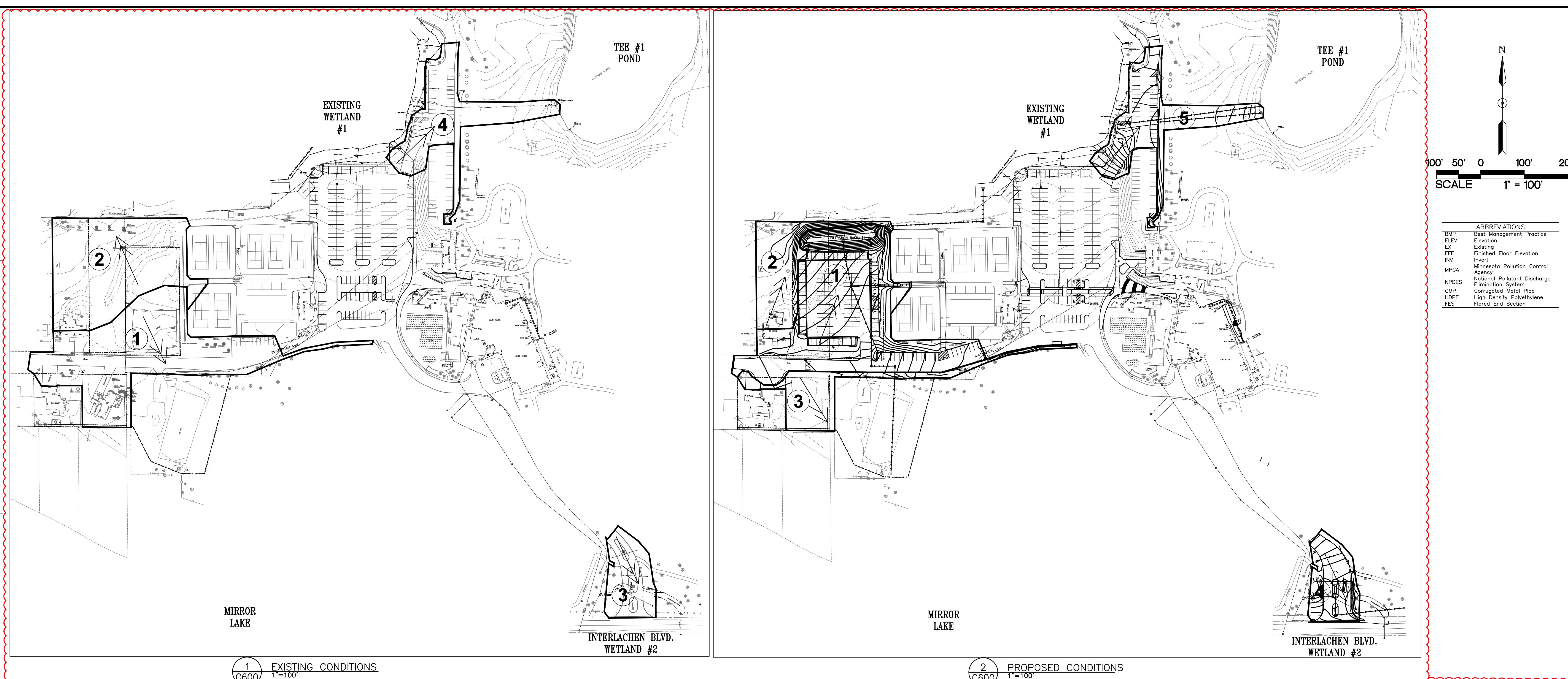
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EDINA, MN 55436



1909



EXISTING DRAINAGE AREAS — DISCHARGE TO EXISTING WETLAND #1						
DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) 1-YEAR (2.48")	10-YEAR (4.26")	100-YEAR (7.32") VOLUME (AC-FT)
2	0.08	1.44	1.52	2.62	6.49	13.65 0.65
TOTAL	0.08	1.44	1.52	2.62	6.49	13.65 0.65

EXISTING DRAINAGE AREAS — DISCHARGE TO MIRROR LAKE						
DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) 1-YEAR (2.48")	10-YEAR (4.26")	100-YEAR (7.32") VOLUME (AC-FT)
1	0.81	1.07	1.88	4.64	9.63	18.45 0.92
TOTAL	0.81	1.07	1.88	4.64	9.63	18.45 0.92

PROPOSED DRAINAGE AREAS — DISCHARGE TO EXISTING WETLAND #1						
DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) 1-YEAR (2.48")	10-YEAR (4.26")	100-YEAR (7.32") VOLUME (AC-FT)
2	0.03	0.58	0.61	1.05	2.60	5.47 0.26
FILTRATION BASIN #1 (DRAIN TILE & EOF)	—	—	—	0.12	0.14	2.52 0.40
TOTAL	0.03	0.58	0.61	1.17	2.74	7.99 0.66

PROPOSED DRAINAGE AREAS — DISCHARGE TO MIRROR LAKE						
DRAINAGE AREA	IMPERVIOUS AREA (ACRES)	PERVIOUS AREA (ACRES)	TOTAL AREA (ACRES)	Q OUT (CFS) 1-YEAR (2.48")	10-YEAR (4.26")	100-YEAR (7.32") VOLUME (AC-FT)
1	1.50	0.76	2.26	—	—	—
FILTRATION BASIN #1 (OUTLET)	—	—	—	0.27	4.22	4.83 0.80
3	0.04	0.50	0.54	0.95	2.32	4.84 0.23
TOTAL	1.54	1.26	2.80	1.22	6.54	9.67 1.03

STORMWATER RUNOFF SUMMARY — DISCHARGE TO EXISTING WETLAND #1				
	1-YR STORM (2.48") RUNOFF (CFS)	10-YR STORM (4.26") RUNOFF (CFS)	100-YR STORM (7.32") RUNOFF (CFS)	100-YR VOLUME
EXISTING SITE	2.62	6.49	13.65	0.65
PROPOSED SITE	1.17	2.74	7.99	0.66

STORMWATER RUNOFF SUMMARY — TOTAL DISCHARGE TO MIRROR LAKE				
	1-YR STORM (2.48") RUNOFF (CFS)	10-YR STORM (4.26") RUNOFF (CFS)	100-YR STORM (7.32") RUNOFF (CFS)	100-YR VOLUME
EXISTING SITE	4.64	9.63	18.45	0.92
PROPOSED SITE	1.22	6.54	9.67	1.03



**SPECIAL AND IMPAIRED WATERS**  
THESE SPECIAL AND IMPAIRED WATERS ARE LOCATED WITHIN THE PROJECT LIMITS AND RECEIVE RUNOFF FROM THE PROJECT LIMITS AND RECEIVE RUNOFF FROM THE PROJECT SITE. DUE TO THE PROXIMITY OF THESE SPECIALLY DESIGNATED WATERS, THE BMPs DESCRIBED IN APPENDIX A OF THE PERMIT WILL APPLY TO ALL AREAS OF THE SITE.

WATERBODY	IMPAIRMENT(S)
MINNEHAHA CREEK	CHLORIDE, FECAL COLIFORM, FISHES BIOASSESSMENTS, DISSOLVED OXYGEN

client  
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EDINA, MN 55436

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.

*Kevin A. Bohl*  
Kevin A. Bohl  
Date 06/07/2021  
Lic. No. S2209

#### BID SET

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STORMWATER POLLUTION  
PREVENTION PLAN



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BKBM JOB NUMBER 20261

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6200 INTERLACHEN BLVD.  
EDINA, MN 55436



1909

#### PROJECT NARRATIVE

EXISTING SITE DESCRIPTION — THE PROPOSED PARKING LOT SITE IS APPROXIMATELY 3.40 ACRES, OF WHICH 0.8 ACRES ARE IMPERVIOUS. THE SITE CONSISTS OF A BITUMINOUS ROAD, TWO RESIDENTIAL LOTS, A GRAVEL PARKING LOT, AND GREEN SPACE. THE GUARD SHACK SITE IS APPROXIMATELY 0.44 ACRES, OF WHICH 0.17 ACRES ARE IMPERVIOUS. THE SITE CONSISTS OF A BITUMINOUS ROAD, CONCRETE CURB AND GUTTER, A GRAVEL PARKING LOT, AND GREEN SPACE. THE GUARD SHACK SITE IS APPROXIMATELY 0.44 ACRES, OF WHICH 0.3 ACRES ARE IMPERVIOUS. THE SITE CONSISTS OF A BITUMINOUS PARKING LOT AND GREEN SPACE.

PROPOSED SITE DESCRIPTION — THE PROPOSED PARKING LOT SITE WILL CREATE AN ADDITIONAL 0.68 ACRES OF IMPERVIOUS WATER FROM THE PARKING LOT WILL BE COLLECTED AND CONVEYED TO THE FILTERING BASIN NORTH OF THE SITE WHERE THE PRIMARY OUTLET DISCHARGES SOUTH TO MIRROR LAKE AND THE DRAINTILE AND EMERGENCY OVERFLOW DISCHARGE NORTH TO WETLAND #1. THE GUARD SHACK SITE WILL CREATE AN ADDITIONAL 0.08 ACRES OF IMPERVIOUS. WATER FROM THIS SITE WILL FLOW SOUTH TO STORM SEWER WHERE IT FLOWS TO WETLAND #2 AND EVENTUALLY MIRROR LAKE. THE PARKING LOT WILL CREATE AN ADDITIONAL 0.08 ACRES OF ADDED IMPERVIOUS. WATER FROM THE SITE WILL CONTINUE TO DISCHARGE EAST TO THE EXISTING WET POND.

MINIMUM ESTIMATED QUANTITIES FOR EROSION CONTROL	
ITEM DESCRIPTION	ESTIMATED QUANTITY
DRAINAGE STRUCT. INLET FILTER	8 EACH
ROCK CONSTRUCTION ENTRANCE	2 EACH
CONCRETE WASHOUT	2 EACH
SILT BAG	5,409 LF
BIO-ROLL	310 SF
EROSION CONTROL BLANKET	1,520 SY

NOTE: QUANTITIES SHOWN ARE THE MINIMUM REQUIRED. ADDITIONAL QUANTITIES MAY BE NEEDED IF REQUIREMENTS CHANGES DUE TO DESIGN CHANGES OR CITY. CONTRACTOR IS RESPONSIBLE FOR FINAL DETERMINATION OF QUANTITIES PRIOR TO CONSTRUCTION.

NOTE:  
THE STORM WATER POLLUTION PREVENTION PLAN FOR THIS PROJECT INCLUDES THE CIVIL ENGINEERING PLANS AND THE PROJECT MANUAL.

CONTRACTOR SHALL SUPPLY CONSTRUCTION PHASING NARRATIVE ESTIMATED PRELIMINARY QUANTITIES OF ALL EROSION PREVENTION AND SEDIMENT CONTROL MEASURES ANTICIPATED AT THE START OF THE PROJECT AND FOR THE LIFE OF THE PROJECT, AND LOCATION OF AREAS WHERE CONSTRUCTION ACTIVITY IS EXPECTED. DURATION OF EXPOSED SOIL AREAS. CONTRACTOR IS TO REVIEW MINNESOTA POLLUTION CONTROL AGENCY (MPCA) GENERAL STORMWATER PERMIT FOR MINNESOTA'S NPDES/SDS GENERAL STORMWATER PERMIT FOR CONSTRUCTION ACTIVITY PRIOR TO SUBMITTING APPLICATION.

**PORTRABLE TOILET NOTES:**  
1. PORTABLE TOILETS POSE AN ENVIRONMENTAL HAZARD WHEN PLACED IN THE VICINITY OF STREAMS, WETLANDS, AND OTHER WATER FEATURES. PORTABLE TOILET CLEANING ACTIVITIES CAN ALSO GENERATE POLLUTANTS THAT CAN DEGRADE WATER QUALITY.

2. PORTABLE TOILET PLACEMENT:  
2.1. PLACE PORTABLE TOILETS ON FLAT STABLE GROUND WITH CLEAR ACCESS TO THE STREAM.

2.2. LOCATE TOILETS A MINIMUM OF 20 FEET FROM ANY WATER BODY AND 10 FEET FROM THE DRAINTILE AND EMERGENCY OVERFLOW UNFEASIBLE, AN EARTHEN BERM OR SAND BAG BERM SHALL BE PLACED AROUND THE PORTABLE TOILET TO MITIGATE CONTAMINATION.

2.3. AVOID PLACING TOILETS ON IMPERVIOUS SURFACES THAT WILL QUICKLY DRAIN TO STORM SEWERS.

2.4. PLACE TOILET SO THAT EXPOSURE TO TRAFFIC AND MOVING EQUIPMENT IS MINIMIZED.

2.5. PLATE TOILETS TO THE GROUND WITH STAKES OR CABLES.

2.6. RINSE WATER FROM CLEANING ACTIVITIES SHALL NOT BE RELEASED ON SITE.

3. REPAIR LEAKS, CHECK TOILETS FOR DAMAGE, LEAKS AND SPILLS AS PART OF THE WEEKLY STORMWATER SITE INSPECTION.

4. OWNER IDENTIFICATION AND CONTACT INFORMATION SHALL BE DISPLAYED IN A PROMINENT LOCATION ON EACH UNIT.

**HANDLING AND STORAGE OF HAZARDOUS MATERIALS:**  
IF THE CONTRACTOR INTENDS TO USE POLYMERS, FLOCULANTS, OR OTHER SEDIMENTATION TREATMENT CHEMICALS ON THE SITE, THE CONTRACTOR MUST COMPLY WITH THE FOLLOWING MINIMUM REQUIREMENTS:

1. THE CONTRACTOR MUST USE CONVENTIONAL EROSION AND SEDIMENTATION CONTROL TO CHEMICAL ADDITION TO ENSURE EFFECTIVE TREATMENT. CHEMICALS MAY NOT BE APPLIED WHERE TREATED STORMWATER IS DIRECTED TO A SEDIMENT CONTROL SYSTEM WHICH IS USED FOR FILTRATION OR SETTLEMENT.

2. CHEMICALS MUST BE SELECTED THAT ARE APPROPRIATELY SUITED TO THE PROJECT AND ARE LIKELY TO BE EXPOSED DURING CONSTRUCTION, AND TO THE ENVIRONMENT. MONITOR THE FLOW RATE OF STORMWATER FLOWING INTO THE CHEMICAL TREATMENT SYSTEM AREA.

3. CHEMICALS MUST BE USED IN ACCORDANCE WITH ACCEPTED ENGINEERING PRACTICES, AND WITH DOSING SPECIFICATIONS AND SEDIMENTATION TREATMENT SPECIFICATIONS PROVIDED BY THE MANUFACTURER OR PROVIDER OF THE CHEMICALS.

ON-SITE FUEL TANKS REQUIRE SECONDARY CONTAINMENT AS REQUIRED BY THE PERMIT. PORTABLE FUEL TANKS MUST BE SECURED WITH SPILL KITS AVAILABLE DURING FUELING. SPILLS GREATER THAN 5 GALLONS MUST BE REPORTED TO THE PROPER AUTHORITIES.

**AGENCY CONTACTS**  
CITY OF EDINA  
ENGINEERING DEPARTMENT  
PHONE: (952) 826-0371

MINNESOTA POLLUTION CONTROL AGENCY  
PHONE: (651) 296-6300

MINNEHAHA CREEK WATERSHED DISTRICT  
PHONE: (952) 471-0590

INTERLACHEN COUNTRY CLUB  
6200 INTERLACHEN BLVD.  
EDINA, MN 55436  
PHONE: (651) 964-8081

**TEMPORARY SEDIMENT BASINS:**  
TEMPORARY SEDIMENT BASINS SHALL BE PROVIDED PER MPCA GENERAL STORMWATER PERMIT, SECTION C.1.B OF THE MPCA GENERAL STORMWATER PERMIT.

ENGINEER ANTICIPATES THAT, PRIOR TO INSTALLATION OF FILTRATION MEDIA AND DOWNSPOUT CONNECTIONS, THE CONTRACTOR USE PROPOSED FILTRATION BASINS AS TEMPORARY SEDIMENT BASINS. CONTRACTOR SHALL MAINTAIN TEMPORARY BASINS AND CLAY LINE PRIOR TO USE. SURFACE WATER SHALL BE DRAINED FROM THE SKIRT DEPTH AS FAIRCLOTH SKIRT OR THIRSTY DUCK OR USING A PUMP WITH A FILTER. THE CONTRACTOR SHALL MAINTAIN SEDIMENT BASINS SHALL BE APPROVED BY ENGINEER PRIOR TO USE.

**NOTE:**  
THE CONTRACTOR MUST COMPLETE, SIGN, OBTAIN OWNERS SIGNATURE, PAY FEE, AND SEND IN THE NPDES PERMIT APPLICATION. CONTRACTOR SHALL PROVIDE A CERTIFIED COPY OF THE NPDES SUPERVISOR SWPPP DOCUMENTATION, INCLUDING INSPECTION REPORTS SHALL BE RETAINED FOR A PERIOD OF THREE (3) YEARS. DESIGN CALCULATIONS ARE ON FILE AT BKBM.

THE OWNER AND CONTRACTOR IS RESPONSIBLE FOR IMPLEMENTATION OF THE SWPPP AND INSTALLATION, INSPECTION, AND MAINTENANCE OF THE EROSION PREVENTION AND SEDIMENT CONTROL BMPs BEFORE, DURING, AND AFTER CONSTRUCTION UNTIL THE NOTICE OF TERMINATION HAS BEEN FILED.

**OTHER NOTES:**

1. LONG TERM MAINTENANCE OF THE SITE WILL BE PROVIDED BY THE OWNER OF THE INTERLACHEN COUNTRY CLUB, INCLUDED MAINTENANCE FOR STORMWATER DEVICES SHALL BE: MAINTAIN BASINS ON A BIENNIAL BASIS, ONCE IN THE SPRING AND ONCE IN THE FALL.
2. CLEAR SUMP CATCH BARS OF SEDIMENT AND DEBRIS ANNUALLY OR WHEN SEDIMENTS FILL ½ OF THE STORAGE VOLUME.
3. MAINTAIN BASINS CLEAR OF TRASH AND DEBRIS.
4. REMOVE SEDIMENT FROM FILTRATION BASIN IF STANDING WATER DOES NOT DISPARE.
2. THIS SWPPP WAS PREPARED BY PERSONNEL THAT ARE CERTIFIED IN THE DESIGN OF CONSTRUCTION SWPPPS. COPIES OF THE CERTIFICATIONS ARE ON FILE WITH BKBM AND ARVAILABLE UPON REQUEST.
3. THIS SWPPP DOCUMENT MUST BE AMENDED AS NECESSARY DURING CONSTRUCTION IN ORDER TO KEEP CURRENT WITH THE POLLUTANT CONTROL MEASURES UTILIZED AS THE SITE. THE SITE MAP SHOWING LOCATIONS OF ALL STORMWATER DEVICES SHALL BE POSTED ON THE SITE AND UPDATED TO REFLECT THE PROGRESS OF CONSTRUCTION.

**CONSTRUCTION ACTIVITY EROSION PREVENTION PRACTICES**  
CONTRACTOR SHALL STABILIZE ALL EXPOSED SOIL AREAS (INCLUDING STOCKPILES). STABILIZATION MUST BE PROVIDED IMMEDIATELY TO PREVENT EROSION. WHVEREVER AN CONSTRUCTION ACTIVITY HAS PERMANENTLY OR TEMPORARILY CEASED ON ANY PORTION OF THE SITE AND WILL NOT RESUME FOR A PERIOD EXCEEDING 14 CONSECUTIVE DAYS, STABILIZATION MUST BE COMPLETED NO LATER THAN 7 CALENDAR DAYS AFTER THE CONSTRUCTION ACTIVITY HAS STOPPED. IF THE ACTIVITY HAS TEMPORARILY OR PERMANENTLY CEASED,

FOR PUBLIC WATER THAT THE DNR HAS PROMULGATED "WORK IN WATER RESTRICTIONS" DURING SPECIFIED FISH SPawning TIME FRAMES, ALL EXPOSED SOIL AREAS THAT ARE WITHIN 200 FEET OF THE PUBLIC WATER SOURCE SUBJECT TO THESE WATER MUST COMPLETE THE STABILIZATION ACTIVES WITHIN 24 HOURS DURING THE RESTRICTION PERIOD.

PIPE OUTLETS SHALL BE PROVIDED WITH TEMPORARY OR PERMANENT ENERGY DISSIPATION WITHIN 24-HOURS AFTER CONNECTION TO A SURFACE WATER.  
SEDIMENT CONTROL MEASURES MUST BE INSTALLED ON ALL DOWN GRADING PERIMETERS BEFORE ANY UPGRADE LAND DISTURBING ACTIVITIES BEGIN.

**SWPPP IMPLEMENTATION, INSTALLATION, INSPECTION, AND BMP MAINTENANCE**  
SHALL BE PERFORMED BY THE CONTRACTOR.

NAME: \_\_\_\_\_  
CERTIFICATE #: \_\_\_\_\_  
DATE: \_\_\_\_\_

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NOTE:

AN AS-BUILT SURVEY OF ALL

STORMWATER

BMPs (FILTRATION BASIN OUTLET

STRUCTURE, DRAINTILE, CLEAN OUTS, SUMP CATCH

BASINS, ETC.) SHALL BE SUBMITTED TO

MINNEHAHA CREEK WATERSHED DISTRICT

PRIOR TO PROJECT CLOSEOUT. THE

SYSTEM WAS INSTALLED PROPERLY AND

THE DRAINTILE (GRANDE/FILTRATION

MIX OVER THE TOP OF THE DRAINTILE

MIX HAS BEEN PROVIDED.

INSPECTIONS

EXPOSED SOIL AREAS: ONCE EVERY 7

DAYS AND WITHIN 24 HOURS FOLLOWING

A 1/2 INCH OVER 24 HOURS RAIN

EVENT.

STABILIZED AREAS: ONCE EVERY 30

DAYS.

FROZEN GROUNDS: AS SOON AS

RUNOFF OCCURS OR PRIOR TO

RESUMING CONSTRUCTION.

RECORDS: COPY OF THE GRADING,

DRAINAGE, EROSION CONTROL PLAN AND

WATERSHED DATA & SWPPP PLANS AS

WELL AS THE

INSPECTOR/MANAGEMENT LOGS ARE

TO BE KEPT EITHER IN THE FIELD

OFFICE, INSPECTOR'S VEHICLE OR

CONTRACTOR'S VEHICLE.

project no. issue date

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drawn checked

AJA/SJR KAB

sheet title

STORMWATER POLLUTION

PREVENTION PLAN NOTES

**C601**

## **Abigail Ernst**

---

**From:** Debra Frimerman <debra.frimerman@gmail.com>  
**Sent:** Monday, August 23, 2021 8:33 PM  
**To:** Abigail Ernst  
**Subject:** Interlachen Country Club proposal - additional comments

Hi Abigail:

Hope you had a good weekend. Did you receive the check for the records request? Please let me know when I can pick up the flash drive. It would be very helpful to have before the meeting on Aug 26.

I am planning to log in to Thursday's meeting. Can you please share the meeting details? Thank you!

Please share the following comments with the Board of Managers for consideration.

Thank you!  
Debra

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Dear Board of Managers:

Thank you for the opportunity to provide comments regarding Interlachen Country Club's proposal to expand its boundary to build a new 100+ stall parking lot and accessory structure. I am an adjacent property owner and am very concerned about the impacts of the new parking lot on the area and the watershed.

The parking lot construction includes demolishing homes and grading the properties. These properties are part of the neighborhood drain tile system that empties into a basin on my property. The parking lot is proposed to be built up substantially from the current gradual slope. The drain tile basin is at a low point on my property, and will be many feet below the parking lot if constructed. Unless there are somehow plans to rework the drain tile system such that it still operates in its current condition, this project will absolutely impact all of the storm water drainage in our neighborhood and have consequences for all landowners currently using the system as well as consequences to the wetlands. None of the neighbors have been consulted on the storm water impacts or approached about how to manage such that we can preserve our current properties and the environment.

Further, the country club's proposed catch basin on Waterman Avenue to the north side of the parking lot site will abut my property. My backyard is a native prairie and includes designated wetlands. The tearing down of trees, coupled with the changes to the topography, would create a situation destined for storm water and erosion issues. It will also adversely impact the wetland wildlife, including the many pollinators, ducks, deer and other animals.

Please consider all of the impacts of the proposed project and the negative impacts it will have on the area as part of your review.

Thank you for considering and for all you do for our community.

Regards,  
Debra Frimerman  
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