



Title:	Gateway to the Greenway: Approval of Design Plans and Authorization to Solicit Bids	
Resolution number:	25-069	
Prepared by:	Gabriel Sherman, Senior Planner-Project Manager Phone: (952) 641-4510 gsherman@minnehahacreek.org	
Reviewed by:	Michael Hayman, Director of Project Planning	
Recommended action:	The Board of Managers approves design plans for Gateway to the Greenway and authorizes the District Administrator to solicit bids for construction beginning Spring 2026	
Schedule:	Nov. – Dec. 2025: Finalize bid set January 2026: Bid solicitation February 2026: Award contract Spring/Summer 2026: Notice to proceed Fall 2026: Substantial completion	
Budget considerations:	Fund name and code: Cottageville Park Phase II, 3-3146 Fund budget: \$700,000 Expenditures to date: \$5,428 Requested amount of funding: N/A	
Past Board action:	Res # 20-066	Authorization to Execute a Cooperative Agreement with the City of Hopkins for Coordinated Planning, Improvements and Development for 325 Blake Road
	Res # 20-067	Authorization to Release the Request for Proposals for Design Services for 325 Blake Road Stormwater Management and Site Restoration
	Res # 20-083	Authorization to Contract for Site Survey for 325 Blake Road Regional Stormwater and Greenway Project
	Res # 20-091	Authorization to Contract for Design Services for the 325 Blake Road Regional Stormwater and Greenway Project
	Res # 21-063	Acceptance of 30% Design for 325 Blake Road Restoration and Redevelopment
	Res # 21-075	Approval of Phase II Design Contract for 325 Blake Road Restoration and Redevelopment
	Res # 22-010	Approval of 60% Design for 325 Blake Road Restoration and Redevelopment
	Res # 23-009	Authorization to Amend the Phase II Design Contract with HDR for 325 Blake Road Restoration and Redevelopment to Include Structural Engineering Services
	Res # 23-026	Approval of Final Design for 325 Blake Road Regional Stormwater and Greenway Project

Res # 23-027	Approval of the Project Agreement for Cottageville Park Improvement and Maintenance
Res # 23-036	Authorization to Amend the Phase II Design Contract with HDR for 325 Blake Road Restoration and Redevelopment to Include Pre-Bid Coordination
Res # 25-019	Authorization to Issue Notice of Termination of the 325 Blake Road Real Estate Purchase Agreement
Res # 25-036	Authorization to Amend the Phase II Design Contract with HDR for the 325 Blake Road Restoration and Redevelopment Project

Summary:

Background

In December 2020, Minnehaha Creek Watershed District (MCWD) contracted with HDR, with Damon Farber as subconsultant, to provide design and engineering services to advance its regional stormwater treatment and greenway project at 325 Blake Road and adjacent Cottageville Park properties in Hopkins. The stormwater facility, in particular, was to be coordinated with private development on the 325 Blake Road property. The design process was phased, with the Phase I contract covering project initiation through schematic design and the Phase II contract scoped to bring the project from schematic design through final design, construction documents, and construction bid support. Phase I work was completed in September 2021 with Board acceptance of schematic designs. The Phase II scope of work and contract were authorized in November 2021, and final design was approved by the Board at its May 11, 2023 meeting.

The Board typically authorizes solicitation of bids for construction at the same time it approves final design. However, at the time of design approval, uncertainty over the final shape of the developer's commercial space and public realm adjacent to the regional stormwater pond and ongoing negotiations with the developer regarding the schedule for release of land necessitated a gap between final design and bid solicitation. On June 22, 2023, the Board authorized an amendment to the design contract with HDR for certain additional pre-bid coordination activity that required input and oversight from HDR as MCWD's licensed consulting engineer for the 325 Blake Road project, especially integration of developer and MCWD projects.

With the developer unable to meet the terms of the purchase and sale agreement, the Board authorized issuing a Notice of Termination of the 325 Blake Road Real Estate Purchase Agreement on March 27, 2025. While MCWD determined how to best advance its stormwater capital improvements at 325 Blake Road, contingency planning efforts identified the Gateway to the Greenway element as a portion of the overall 325 Blake Road Restoration and Redevelopment project that could move forward as a standalone project. Construction of Gateway to the Greenway will complete Cottageville Park north/west of Lake St NE. Improvement of the Cottageville parcels south/east of Lake St NE (Nature Play element) will be constructed with the stormwater improvements as part of the 325 Blake Road Main Site. On June 12, 2025, the Board authorized the Administrator to amend the HDR contract to provide for separation of Gateway to the Greenway design documents and assistance to bid this project element independently.

Project Status

Bid Package

HDR and Damon Farber have completed the separation of Gateway to the Greenway from 325 Blake Road/Nature Play into a discrete project. A standalone bid package has now been produced for Gateway to the Greenway to allow it to be bid and constructed independently.

Permits

The standalone Gateway to the Greenway project requires permits from MCWD and the City of Hopkins. The MCWD permit was previously issued in 2023 and, because it expired, was re-issued in October 2025. The selected contractor will be responsible for securing typical City of Hopkins permits. MCWD staff has coordinated with City staff and expect those permits to issue in ordinary fashion.

Project and Maintenance Agreement

Construction and maintenance of the improvements are the subject of a project agreement between MCWD and Hopkins. On May 11, 2023, the Board of Managers approved the Project Agreement for Cottageville Park Improvement

and Maintenance, which consolidated and updated previous agreements between MCWD and Hopkins guiding the expansion of Cottageville Park. The revised and consolidated agreement includes a comprehensive maintenance agreement for existing Cottageville Park, as well as the Gateway to the Greenway and Nature Play project elements. MCWD and Hopkins have granted cross easements to each other, to allow each to carry out its respective maintenance obligations across all Cottageville Park parcels. In general, the City will accept ownership and maintenance obligations for Gateway to the Greenway improvements, except that MCWD will retain maintenance responsibility for the pergola structure and decorative watershed pavement beneath the pergola. When the Nature Play element is built, MCWD also will be responsible to maintain the pedestrian bridge planned to connect the 325 Blake Road Main Site to the Nature Play area.

Cost Estimate

HDR is already under contract for bid support and construction observation services, therefore construction costs paid to the selected contractor are the only anticipated remaining non-incidental project costs.

Construction Activity	Cost Estimate (Total)
Base Bid (with engraved granite pavers under pergola)	\$987,841
Deduct Alternate (with decorative concrete under pergola)	\$912,634

Next Steps and Timeline

At the November 20, 2025, Board of Managers meeting, staff will bring forward the final construction documents and recommend that the Board approve final design and authorize the District Administrator to solicit construction bids during Winter 2025-26. Following solicitation of bids, staff will return to the Board with a recommendation for contract award. MCWD then will contract with the selected contractor and construction of Gateway to the Greenway will occur between Spring and Fall 2026.

Supporting documents:

- Gateway to the Greenway Final Design package



RESOLUTION

Resolution number: 25-069

Title: Gateway to the Greenway: Approval of Design Plans and Authorization to Solicit Bids

- WHEREAS the Minnehaha Creek Watershed District (MCWD) acquired 325 Blake Road, Hopkins, MN in 2011 as a key piece of the Minnehaha Creek Greenway in St. Louis Park and Hopkins;
- WHEREAS the MCWD is implementing a regional stormwater project at 325 Blake Road to treat urban stormwater that outlets into the creek from approximately 270 acres of surrounding area, restore more than 1,000 feet of creek frontage, and improve the adjacent parcels with educational and recreational elements, collectively the 325 Blake Road Regional Stormwater and Greenway and Cottageville Park Phase II Riparian Restoration Project. The project is commonly referenced by its shortened title “325 Blake Road Restoration and Redevelopment”;
- WHEREAS as of March 2020, the construction of both the Powell Road and Lake Street stormwater diversion systems, to bring stormwater to the planned stormwater treatment facility, were complete, with the diversion structures to remain bulk-headed until the facility is constructed;
- WHEREAS on August 27, 2020, the MCWD Board of Managers (“Board”) authorized the execution of a Cooperative Agreement with the City of Hopkins for Coordinated Planning, Improvements and Development for 325 Blake Road;
- WHEREAS also on August 27, 2020, the Board approved release of a Request for Proposals for Design Services for 325 Blake Road Stormwater Management and Site Restoration, seeking landscape architecture and engineering services to complete integrated stormwater management, ecological restoration, and public open space improvements at 325 Blake Road and adjacent parcels;
- WHEREAS on December 3, 2020, the Board authorized a contract for design and engineering services for the 325 Blake Road Restoration and Redevelopment project with HDR, Inc.;
- WHEREAS following completion of 30% design, the Board authorized advancement from schematic design through final design and a construction phasing plan, and on November 4, 2021, approved the Phase II design contract with HDR;
- WHEREAS subsequently the Board directed the design of a custom pergola for the Gateway to the Greenway parcel at Blake Road and Lake Street as a visually meaningful architectural feature, and authorized an amendment to the design contract to include structural engineering services to ensure constructability and safety of the pergola;
- WHEREAS on May 11, 2023, the Board approved final design of the 325 Blake Road Restoration and Redevelopment;
- WHEREAS also on May 11, 2023, the Board approved the Project Agreement for Cottageville Park Improvement and Maintenance, which set forth terms of collaboration between MCWD and the City of Hopkins for project construction, signage and maintenance;

WHEREAS on June 22, 2023, the Board amended the design contract to include additional pre-construction bid coordination tasks and costs not included in the original Phase II contract that were necessitated by the design and land ownership status of adjacent private development activity with which the 325 Blake Road Restoration and Redevelopment project is intended to be integrated;

WHEREAS on March 27, 2025, the Board directed the Administrator to issue a notice of termination for the 325 Blake Road Real Estate Purchase Agreement with the developer due to the developer's inability to meet the terms of the agreement and MCWD's need to move forward on its site plans;

WHEREAS contingency planning identified the Gateway to the Greenway, on 415 Blake Road, as a project component that can advance independently and that doesn't require resolution of the issues delaying the progress of adjacent private development;

WHEREAS the Phase II design contract assumed the entirety of the 325 Blake Road Restoration and Redevelopment project would be bid at the same time and tasks were scoped and budgeted accordingly;

WHEREAS to bid and construct the Gateway to the Greenway as a standalone project, construction drawings and specifications must be broken out from the existing construction document package into a separate bid package;

WHEREAS MCWD requires bidding support and construction services from a qualified engineer and landscape architect to bid and oversee the construction of the Gateway to the Greenway;

WHEREAS on June 12, 2025, the Board authorized the Administrator to amend the design agreement to produce a separate construction bid package and provide bidding support and construction observation and administration services for the Gateway to the Greenway;

WHEREAS HDR Engineering has produced a separate construction bid package for the Gateway to the Greenway;

NOW, THEREFORE, BE IT RESOLVED that the Minnehaha Creek Watershed District Board of Managers approves the final design for the Gateway to the Greenway;

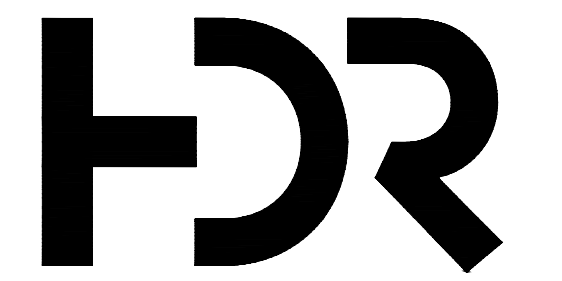
BE IT FURTHER RESOLVED that the Board authorizes the District Administrator, on advice of counsel, to solicit bids for construction.

Resolution Number 25-069 was moved by Manager _____, seconded by Manager _____. Motion to adopt the resolution ___ ayes, ___ nays, ___ abstentions. Date: 11/20/2025

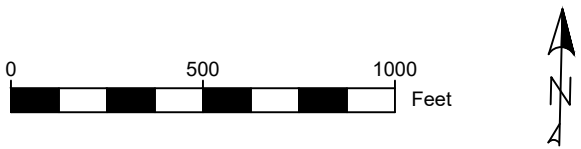
Secretary Date: _____



MINNEHAHA CREEK
WATERSHED DISTRICT



DAMON FARBER
LANDSCAPE ARCHITECTS
310 South 4th Avenue, Suite 7050
Minneapolis, MN 55415
p. 612.332.7522



Contract Drawings For

415 BLAKE RD

GATEWAY TO THE GREENWAY PROJECT

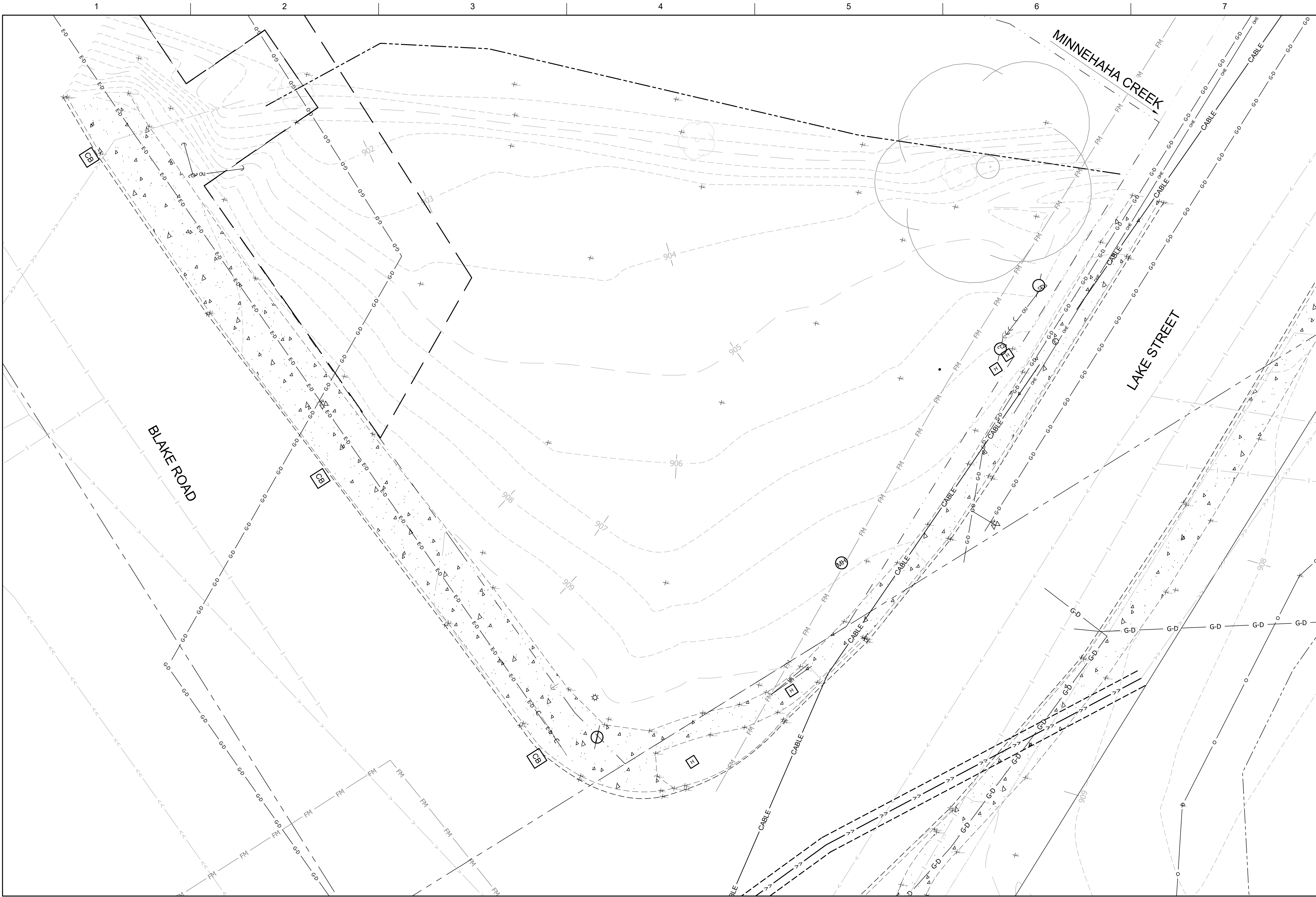
HDR Project No.
10268112

HOPKINS, MINNESOTA
SEPTEMBER, 2025

INDEX OF DRAWINGS

GENERAL	
GC102	GENERAL NOTES
GC103	PROJECT SYMBOLOGY
GC104	SURVEY AND CONTROL
GC105	SITE LAYOUT PLAN
GC106	CONSTRUCTION ACCESS AND PHASING PLAN
GC107	CONSTRUCTION LIMIT CONTROL POINTS
SITE WORK	
EC101 - EC104	SWPPP & EROSION CONTROL PLAN
CD101	DEMOLITION AND PRESERVATION PLAN
CG101	SITE GRADING PLAN
CG501	CIVIL DETAILS
S001	SITE PLAN AND STRUCTURAL NOTES
SD100	PERGOLA STRUCTURAL FRAMING PLAN
SD301	PERGOLA STRUCTURAL SECTIONS
E001	ELECTRICAL LEGEND
E401	ELECTRICAL SITE PLAN
E601	ELECTRICAL ONE LINE DIAGRAMS AND SCHEDULES
E602	ELECTRICAL DETAILS AND LUMINAIRE SCHEDULE
L000	LANDSCAPE GENERAL NOTES
L001	SITE ORIENTATION PLAN AND ALTERNATES SUMMARY
L005	TREE PROTECTION SCHEDULE
L010	SITE MATERIALS SCHEDULE
L020	TREE AND SHRUB PLANTING SCHEDULE
L021	UNDERSTORY PLANTING SCHEDULE
L030	SITE SOIL SCHEDULE
L056	TREE PROTECTION PLAN
L057	TREE PROTECTION DETAILS
L131	SOIL PLAN
L203	SITE MATERIALS PLAN
L214	LAYOUT AND DIMENSIONS PLAN
L243	UNDERSTORY PLANTING PLAN
L411	SITE SECTIONS
L500 - L501	LANDSCAPE DETAILS - PAVING
L510 - L511	LANDSCAPE DETAILS - CURBING AND EDGING
L521	LANDSCAPE DETAILS - WALL
L530	LANDSCAPE DETAILS - DIMENSIONAL STONE
L540 - L544	LANDSCAPE DETAILS - PERGOLA
L560 - L565	LANDSCAPE DETAILS - SITE FURNISHINGS
L570 - L576	LANDSCAPE DETAILS - SIGNAGE
L581 - L584	LANDSCAPE DETAILS - AMENITY
L590	LANDSCAPE DETAILS - PLANTING

STANDARD DETAILS
SEE PACKAGE FOR DRAWING LIST



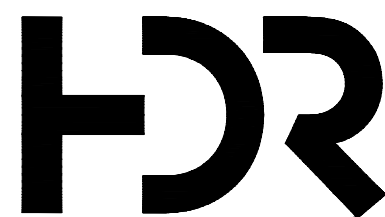
HORIZONTAL DATA
HENNEPIN COUNTY
COORDINATE SYSTEM, NAD83,
2011 ADJUSTMENT, U.S.
SURVEY FOOT

VERTICAL DATA
NAVD88
MNDOT MONUMENT SONYA
GSID STATION #95216
ELEVATION = 902.019'

- SURVEY NOTES**
1. SURVEY WAS COMPLETED JANUARY 2021, JUNE 2022, AND JULY 2025 BY STANTEC
 2. VISIBLE FEATURES WERE SURVEYED. DUE TO SNOW COVER ON THE SITE, SOME FEATURES MAY NOT HAVE BEEN VISIBLE AT THE TIME OF SURVEY.
 3. THE UTILITIES SHOWN ON THE SURVEY BASEFILE HAVE BEEN LOCATED FROM ABOVE GROUND VISIBLE EVIDENCE AND UNDERGROUND UTILITY MARKINGS AT THE TIME OF SURVEY.
 4. PRIOR TO ANY SITE DISTURBANCE OR CONSTRUCTION CALL GOPHER STATE ONE-CALL 1-800-252-1166 AND VERIFY ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO STARTING WORK.



MINNEHAHA CREEK
WATERSHED DISTRICT



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

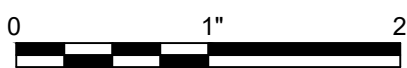
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE XX/XX/XXXX LICENSE # XXXXX

415 BLAKE RD GATEWAY TO THE GREENWAY (NOT FOR CONSTRUCTION)

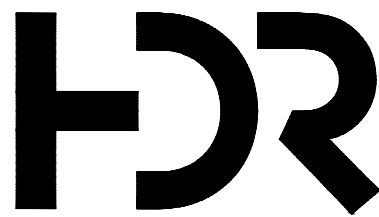
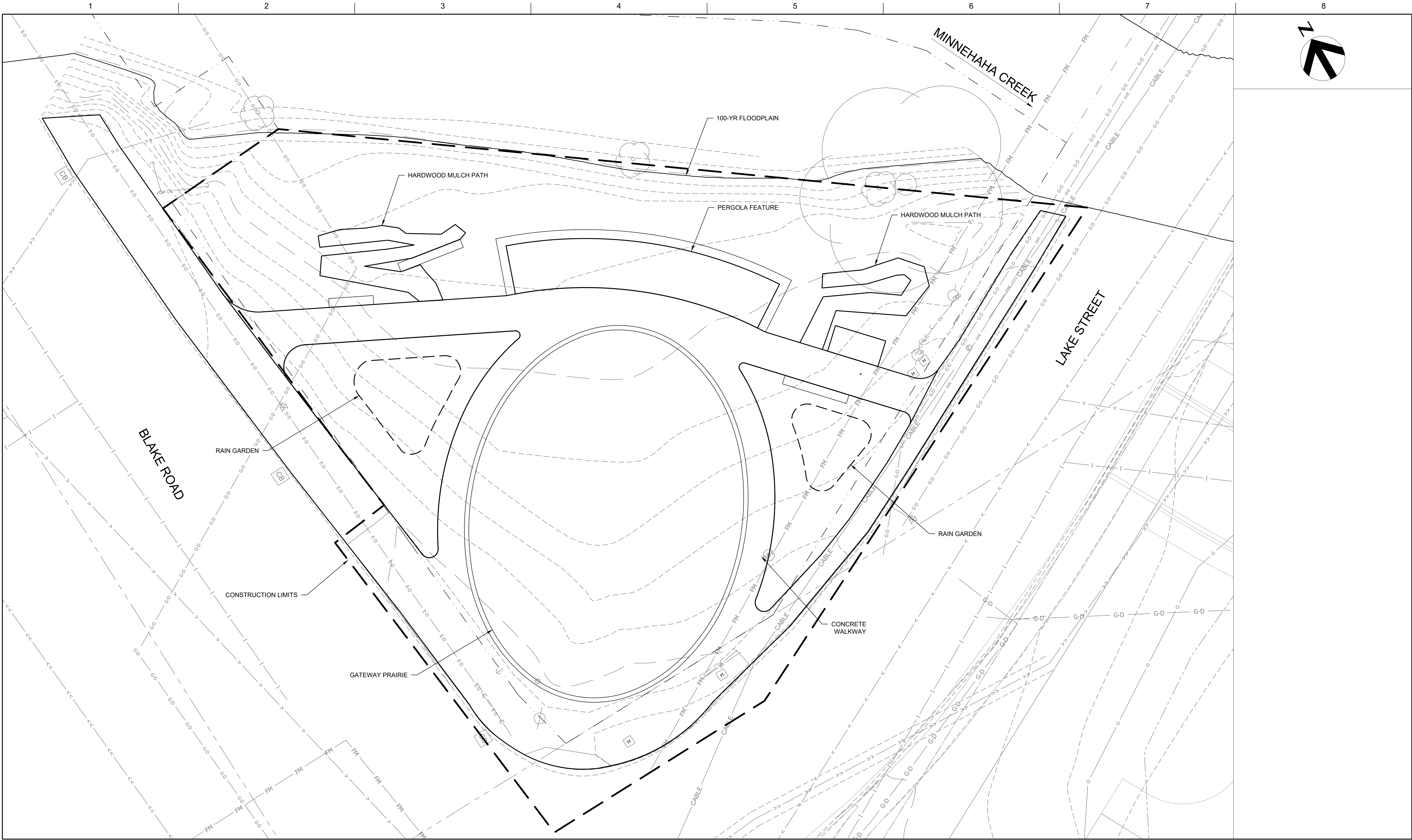
MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

SURVEY AND CONTROL



FILENAME GC104.DWG
SCALE 1" = 20'

SHEET
GC104



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD	
PROJECT NUMBER	10268112

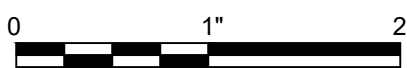
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415 BLAKE RD GATEWAY TO THE GREENWAY (NOT FOR CONSTRUCTION)

MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

SITE LAYOUT PLAN



FILENAME GC105-106.DWG
SCALE 1" = 60'

SHEET
GC105



STAGING AND ACCESS NOTES

1. MAINTAIN ACCESS TO DEVELOPMENT PORTION OF THE SITE AT ALL TIMES.

2. CONSTRUCTION VEHICLES AND PERSONNEL SHALL STAY WITHIN DESIGNATED WORK LIMITS AND ACCESS ROUTES AT ALL TIMES.

3. NO PARKING OF VEHICLES ALONG PUBLIC ROADWAYS OR WITHIN PUBLIC PARKING AREAS. STAGING ACCESS ROAD IS OWNED BY CITY OF HOPKINS. NOTIFY CITY OF HOPKINS 15 DAYS PRIOR TO USE.

4. RESTORE ANY DISTURBED PAVEMENT AND VEGETATION OUTSIDE WORK AREAS TO PRE-PROJECT CONDITION.

5. INSPECT PUBLIC ROADS AT CONSTRUCTION EXITS AT THE END OF EACH WORK DAY. CLEAN PUBLIC STREETS OF DEPOSITED SEDIMENT AS FREQUENTLY AS NEEDED, AS DETERMINED BY THE CITY OR ENGINEER TO KEEP THEM SAFE FOR PUBLIC USE.

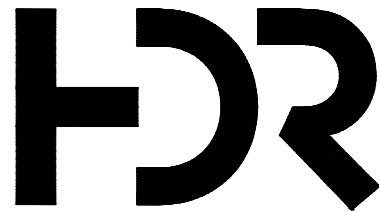
6. SEE SHEET GC107 FOR CONSTRUCTION LIMITS CONTROL POINT TABLE.

7. CLOSE THE NORTH SIDE OF LAKE STREET SIDEWALK AND PROVIDE DETOUR SIGNAGE FOR USE OF COTTAGEVILLE AND SOUTH LAKE ST SIDEWALK FOR PEDESTRIAN CONNECTION FROM LAKE TO BLAKE. SUBMIT PLAN AND RECEIVE APPROVAL FROM CITY OF HOPKINS PRIOR TO INSTALLING.

8. PROVIDE TEMPORARY CONSTRUCTION FENCING OR JERSEY BARRIERS SEPARATING AN OPEN SIDEWALK FROM CONSTRUCTION AREAS.

9. LIMITS OF POTENTIAL STAGING AREA HAS BEEN FENCED BY MCWD. REVIEW AREA NEEDS WITH DISTRICT 10 DAYS PRIOR TO MOBILIZING FOR CONSTRUCTION.

10. USE BORROW AREA SOILS FOR COMMON FILL TO ACHIEVE PROPOSED SITE GRADING. CLEARING AND STRIPPING WILL BE REQUIRED TO REACH SUITABLE SOILS. PRESERVE EXISTING SEDIMENT BASIN AND DRAINAGE. SET REMAINING BORROW AREA SLOPES AT 4H:1V OR FLATTER WHEN CONSTRUCTION IS COMPLETE AND SEED WITH MNDOT 25-121 SANDY GENERAL ROADSIDE MIX.



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD	
PROJECT NUMBER	10268112

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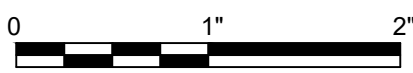
DATE XX/XX/XXXX LICENSE # XXXXX

415 BLAKE RD GATEWAY TO THE GREENWAY

(NOT FOR CONSTRUCTION)

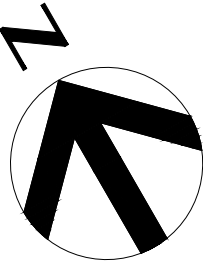
MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

CONSTRUCTION ACCESS AND PHASING PLAN



FILENAME GC105-106.DWG
SCALE 1" = 60'

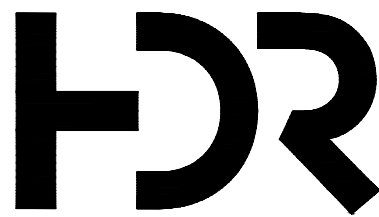
SHEET
GC106



CL Point Table		
Point #	Northing	Easting
CL28	151240.128	499422.420
CL29	151158.915	499428.896
CL30	151158.440	499484.518
CL46	151239.342	499436.441
CL31	151212.759	499604.999
CL47	151324.095	499430.229
CL48	151325.167	499461.658



MINNEHAHA CREEK
WATERSHED DISTRICT



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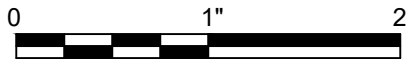
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415 BLAKE RD GATEWAY TO THE GREENWAY (NOT FOR CONSTRUCTION)

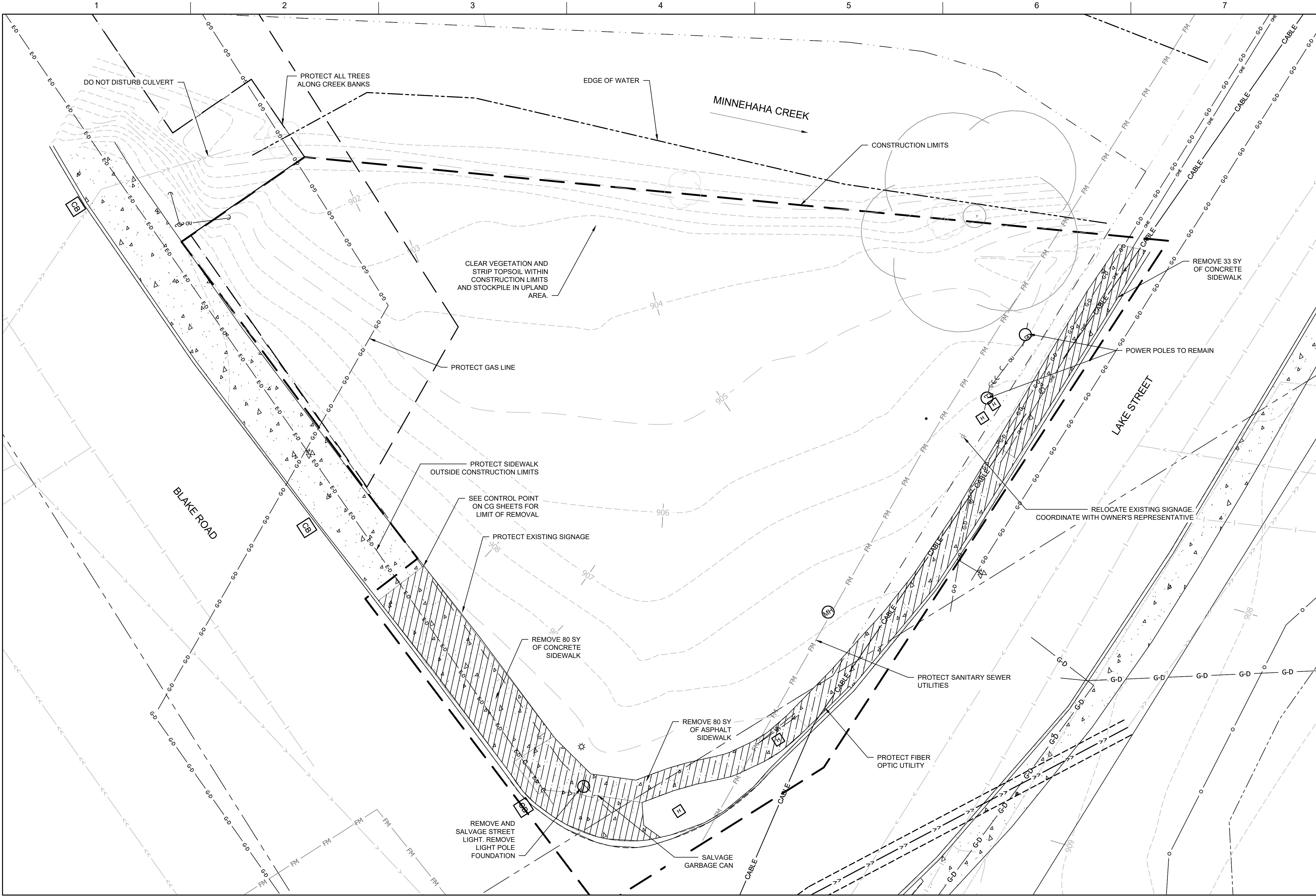
MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

CONSTRUCTION LIMIT CONTROL POINTS



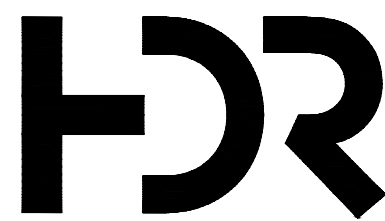
FILENAME GC107.DWG
SCALE 1" = 40'

SHEET
GC107



- GENERAL NOTES**

 1. FIELD VERIFY LOCATION OF ALL ELEMENTS SHOWN FOR DEMOLITION PRIOR TO BEGINNING DEMOLITION ACTIVITIES.
 2. THE LIMITS, EXTENT, AND ITEMS TO BE DEMOLISHED ARE PROVIDED AS A GUIDE. ADDITIONAL DEMOLITION WITHIN THE LIMITS OF CONSTRUCTION MAY BE REQUIRED. NOTIFY THE OWNER'S REPRESENTATIVE OF ANY APPARENT CONFLICTS BETWEEN ITEMS NOT IDENTIFIED FOR DEMOLITION AND PROPOSED PROJECT FEATURES.
 3. SOME UTILITY REMOVALS AND RELOCATIONS WILL BE COMPLETED BY OTHERS PRIOR TO OR DURING THIS CONTRACT. COORDINATE LOCATION AND SCHEDULE WITH OWNER'S REPRESENTATIVE.
 4. CALL GOPHER STATE ONE CALL 1-800-252-1166 AND VERIFY ALL UTILITIES WITHIN THE LIMITS OF CONSTRUCTION PRIOR TO STARTING WORK.
 5. DO NOT BURY, DUMP, OR DISCHARGE DEBRIS ON SITE.
 6. STAY WITHIN LIMITS OF CONSTRUCTION AND DO NOT DISTURB CREEK BANK VEGETATION UNLESS REQUIRED FOR PROPOSED CONSTRUCTION.
 7. ALL TREES IDENTIFIED FOR REMOVAL ARE IDENTIFIED ON THE L050 SHEET SERIES. VERIFY ALL TREE REMOVALS WITH OWNER'S REPRESENTATIVE PRIOR TO BEGINNING TREE REMOVAL.
 8. SEE DETAILS ON SHEET L057 FOR TREE PROTECTION REQUIREMENTS FOR TREES IDENTIFIED TO REMAIN WITHIN LIMITS OF CONSTRUCTION.
 9. AT ALL LOCATIONS WHERE PROPOSED PAVEMENT TIES INTO EXISTING, SAW CUT AND REMOVE EXISTING PAVEMENT TO PROVIDE A SMOOTH TRANSITION BETWEEN EXISTING AND NEW PAVEMENT.
 10. REPLACE ANY CURB, SIDEWALK, PAVEMENT OR OTHER EXISTING FEATURES DEGRADED OR DAMAGED BY CONSTRUCTION OPERATIONS.



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD	
PROJECT NUMBER	10268112

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

ANDREW F. JUDD, PE

DATE XX/XX/XXXX LICENSE # XXXXX

415 BLAKE RD GATEWAY TO THE GREENWAY

(NOT FOR CONSTRUCTION)

MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

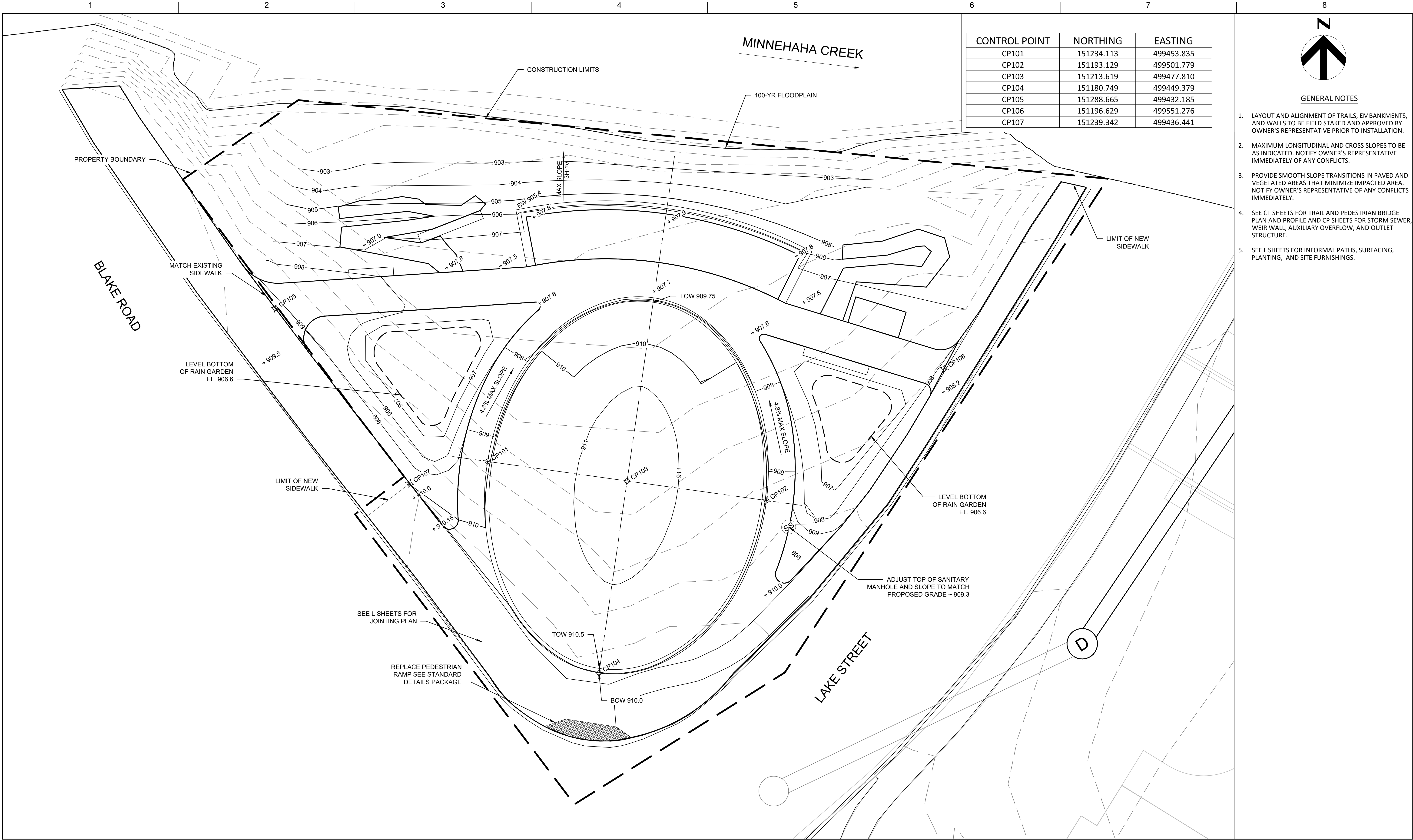
DEMOLITION PLAN

0 1" 2"

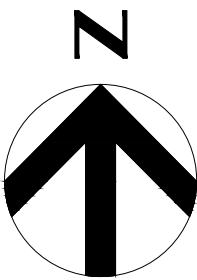
FILENAME CD101-103.DWG

SCALE 1" = 10'

SHEET CD101



CONTROL POINT	NORTHING	EASTING
CP101	151234.113	499453.835
CP102	151193.129	499501.779
CP103	151213.619	499477.810
CP104	151180.749	499449.379
CP105	151288.665	499432.185
CP106	151196.629	499551.276
CP107	151239.342	499436.441

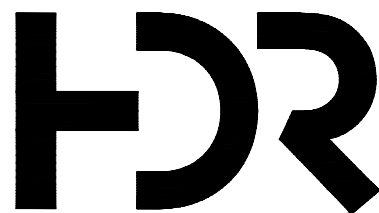


GENERAL NOTES

- LAYOUT AND ALIGNMENT OF TRAILS, EMBANKMENTS, AND WALLS TO BE FIELD STAKED AND APPROVED BY OWNER'S REPRESENTATIVE PRIOR TO INSTALLATION.
- MAXIMUM LONGITUDINAL AND CROSS SLOPES TO BE AS INDICATED. NOTIFY OWNER'S REPRESENTATIVE IMMEDIATELY OF ANY CONFLICTS.
- PROVIDE SMOOTH SLOPE TRANSITIONS IN PAVED AND VEGETATED AREAS THAT MINIMIZE IMPACTED AREA. NOTIFY OWNER'S REPRESENTATIVE OF ANY CONFLICTS IMMEDIATELY.
- SEE CT SHEETS FOR TRAIL AND PEDESTRIAN BRIDGE PLAN AND PROFILE AND CP SHEETS FOR STORM SEWER, WEIR WALL, AUXILIARY OVERFLOW, AND OUTLET STRUCTURE.
- SEE L SHEETS FOR INFORMAL PATHS, SURFACING, PLANTING, AND SITE FURNISHINGS.



MINNEHAHA CREEK
WATERSHED DISTRICT



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

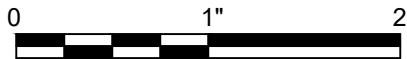
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415 BLAKE RD GATEWAY TO THE GREENWAY
(NOT FOR CONSTRUCTION)

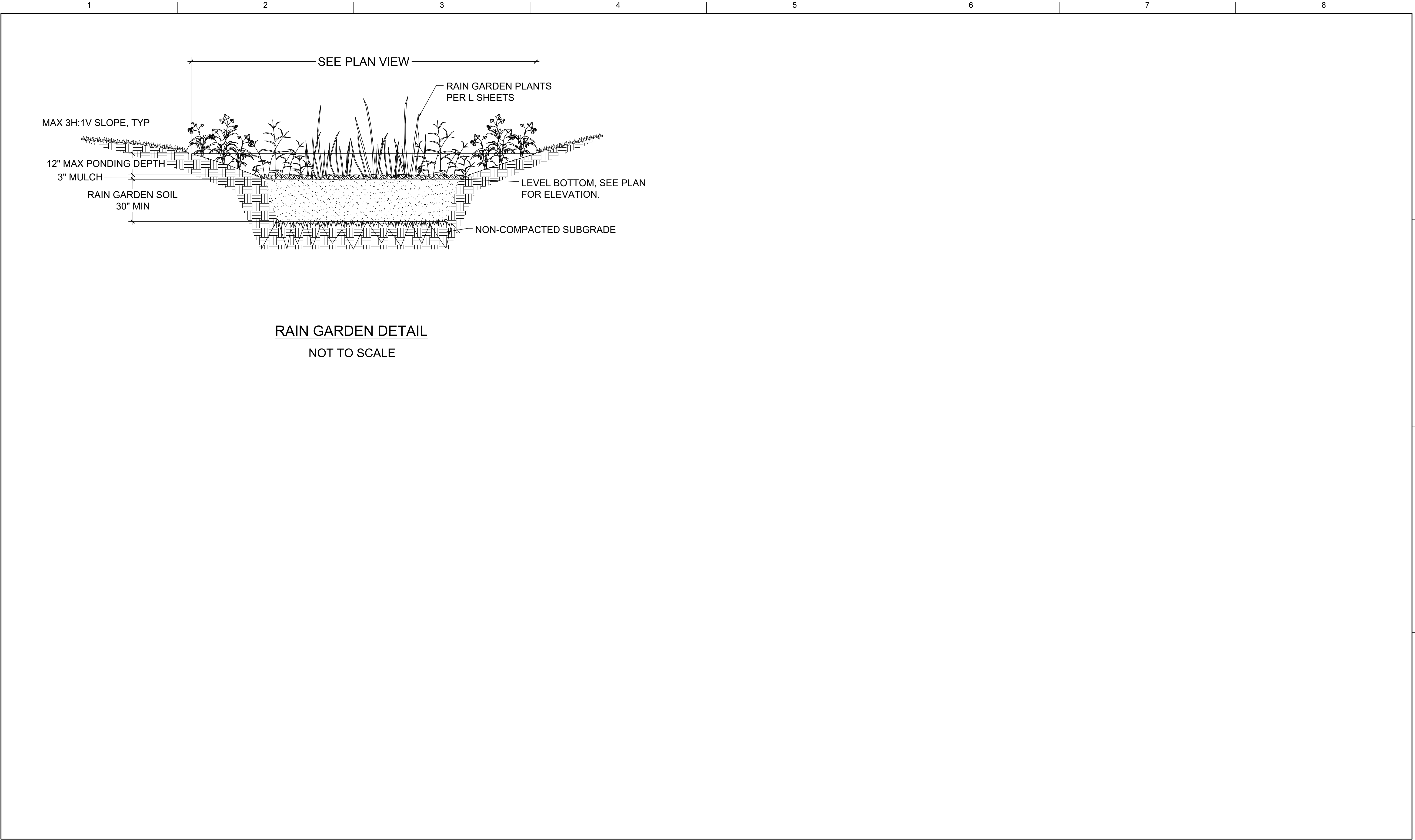
MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

SITE GRADING PLAN



FILENAME CG101-105.DWG
SCALE 1" = 10'

SHEET
CG101



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD	
PROJECT NUMBER	10268112

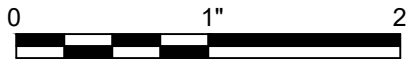
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL ENGINEER UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE XX/XX/XXXX LICENSE # XXXXX

415 BLAKE RD GATEWAY TO THE GREENWAY
(NOT FOR CONSTRUCTION)

MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

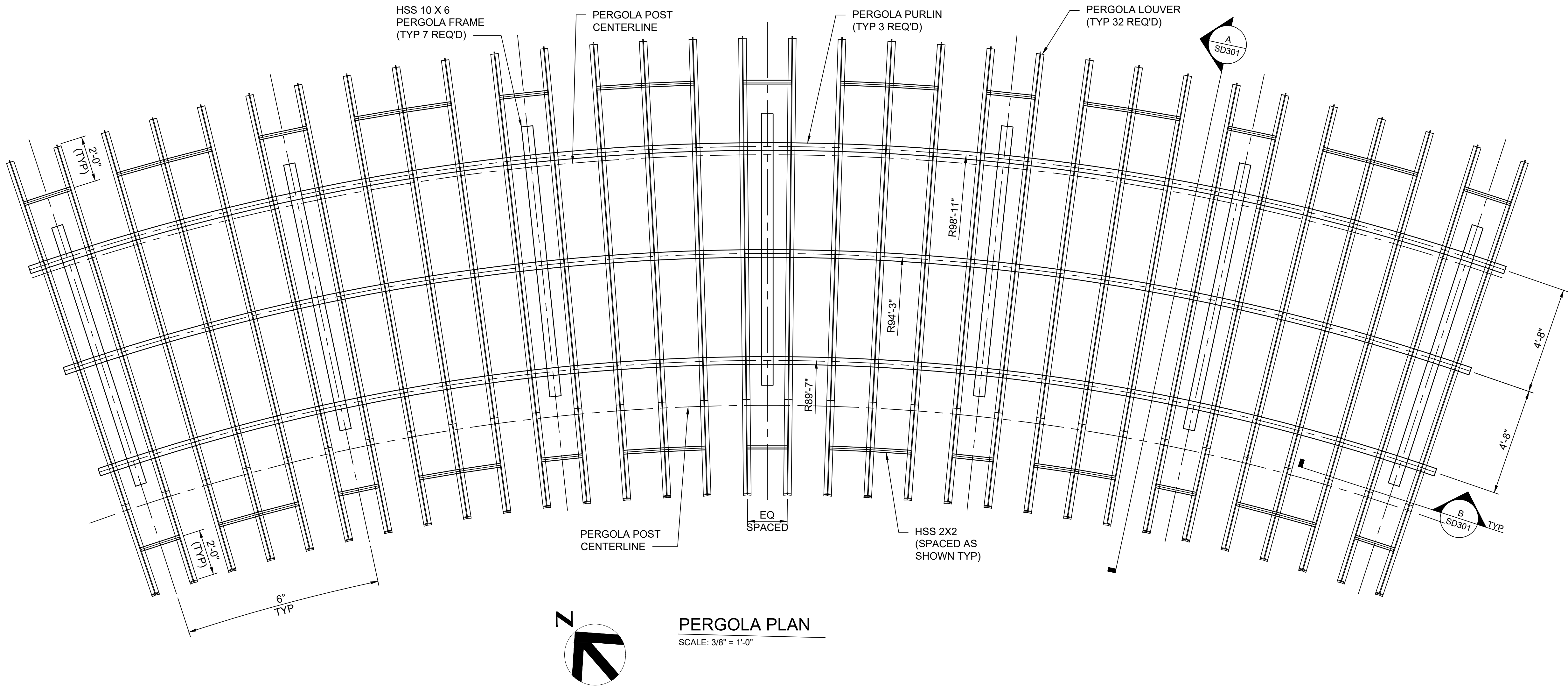
CIVIL DETAILS



FILENAME	CG501.DWG
SCALE	NA

SHEET
CG501

- GENERAL NOTES:
1. CONTRACTOR SHALL VERIFY ALL DIMENSIONS PRIOR TO STARTING CONSTRUCTION.
 2. ENGINEER-OF-RECORD SHALL BE NOTIFIED OF ANY DISCREPANCIES FOUND PRIOR TO CONTINUING CONSTRUCTION.
 3. REFERENCE L SHEETS FOR PERGOLA FINISH.
 4. FOR MATERIAL TYPES REFER TO SHEET S001.



MINNEHAHA CREEK
WATERSHED DISTRICT



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	ANDREW F. JUDD
DESIGNED BY	J. MULVIHILL
CHECKED BY	G. STEKOVIC
DRAWN BY	G. STEKOVIC
PROJECT NUMBER	10268112

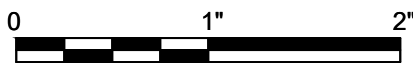
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JEROME W. MULVIHILL, PE
DATE XX/XX/XXXX LICENSE # XXXXX

415 BLAKE RD GATEWAY TO THE GREENWAY
(NOT FOR CONSTRUCTION)

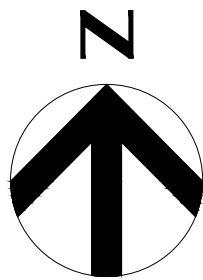
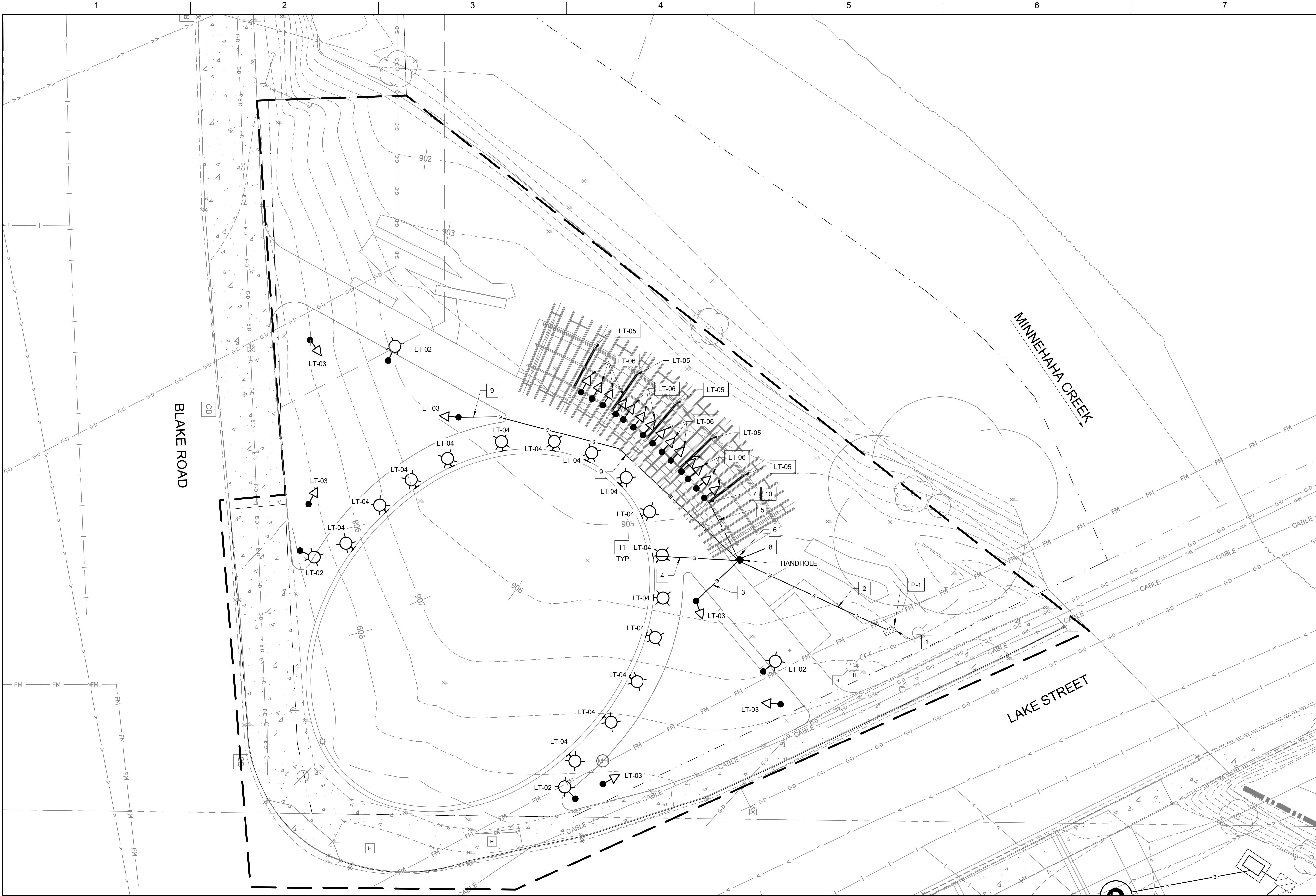
MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

PERGOLA STRUCTURAL
FRAMING PLAN



FILENAME SD100.DWG
SCALE AS SHOWN

SHEET
SD100



GENERAL NOTES

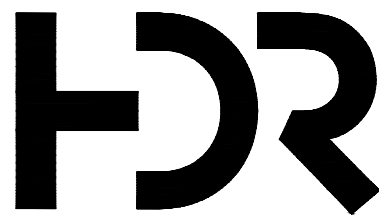
- CONDUIT ROUTING IS SHOWN DIAGRAMMATICALLY. FIELD ADJUST CONDUIT ROUTING BASED ON FIELD CONDITIONS AND COORDINATION WITH OTHER EXISTING AND NEW UTILITIES, STRUCTURES, AND EQUIPMENT.
- INSTALL ALL UNDERGROUND CONDUCTORS IN DIRECT BURIED CONDUIT. SEE DETAIL SHEET E602.

KEY NOTES

- COORDINATE WITH XCEL ENERGY FOR METERED SUPPLY AND FINAL LOCATION.
- PROVIDE 4 SETS 2#10, #10G IN 1" C TO HH-1.
- PROVIDE 2#10, #10G IN 1" C, CIRCUIT ALL TYPE LT-03 & LT-04 IN SOUTH-EAST AREA SITE TOGETHER AND ROUTE TO P-1 VIA HH-1
- PROVIDE 2#10, #10G IN 1" C, CIRCUIT ALL TYPE LT-04 TOGETHER AND ROUTE TO P-1 VIA HH-1
- PROVIDE 2#10, #10G IN 1" C, CIRCUIT ALL TYPE LT-05 AND LT-06 TOGETHER AND ROUTE TO P-1 VIA HH-1
- PROVIDE WATERPROOF SPLICES IN HANDHOLE AS REQUIRED. SIZE HANDHOLE PER NEC.
- REFER TO LANDSCAPE DRAWING DETAIL SHEETS L540 SERIES. ROUTE LT-05 CIRCUIT CONDUCTORS IN CONDUIT UP THROUGH HSS POST FOUNDATION TO HANDHOLE IN POST. ROUTE CONDUCTORS IN LIQUIDTIGHT FLEXIBLE METAL CONDUIT TO TOP OF POST, PENETRATE POST AND CONTINUE TO LIGHT FIXTURE. FROM POST HANDHOLE, ROUTE CONDUCTORS IN CONDUIT DOWN THROUGH POST FOUNDATION AND CONTINUE TO THE NEXT POST.
- ROUTE CONDUIT TO IRRIGATION CONTROLLER IF CONTROLLER IS REQUIRED. LOCATION SHOWN IS NOMINAL. COORDINATE WITH CONTRACTOR FOR FINAL LOCATION.
- PROVIDE 2#10, #10G IN 1" C, CIRCUIT ALL TYPE LT-03 & LT-04 IN NORTHWEST SITE AREA TOGETHER AND ROUTE TO P-1 VIA HH-1
- ROUTE LT-06 FIXTURE CIRCUIT CONDUCTORS IN LIQUID-TIGHT FLEXIBLE METAL CONDUIT UP THOUGH HSS POST FOUNDATION. EXIT AT TOP OF COLUMN AND ROUTE IN CONDUIT ALONG TOP OF PURLIN TO TYPE LT-06 FIXTURES. SEE SHEET L542.
- COORDINATE RECESSED BOX MOUNTING AND CONDUIT WITHIN CONCRETE WALL. SEE DETAIL ON SHEET L521.



MINNEHAHA CREEK
WATERSHED DISTRICT



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

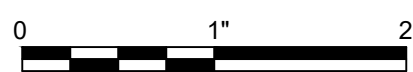
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ANDREW KANER, PE
DATE XX/XX/XXXX LICENSE # XXXXX

415 BLAKE RD GATEWAY TO THE GREENWAY
(NOT FOR CONSTRUCTION)

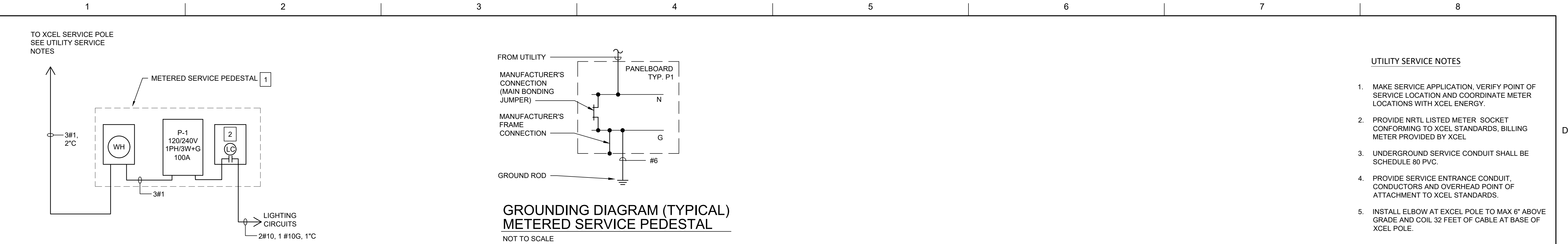
MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

ELECTRICAL SITE PLAN



FILENAME E401.DWG
SCALE 1" = 10'

SHEET
E401



P-1 RISER DIAGRAM (GATEWAY PLAZA)

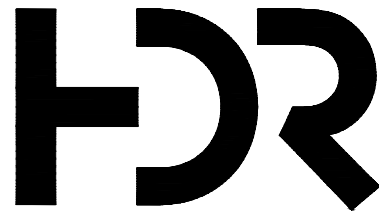
SERVICE PANEL: P-1

LOCATION: GATEWAY PLAZA DWG E401 VOLTS: 240/120 A.I.C. RATING: 22KA
SUPPLY FROM: UTILITY METER PHASE: 1 MAINS TYPE: MCB
MOUNTING: PEDESTAL WIRE: 3+GND MAINS RATING: 100A
ENCLOSURE: NEMA 3R INTEGRAL SPD: YES SERVICE ENTRANCE LABEL: YES

CKT NO.	DESCRIPTION	CONNECTED LOAD (VA)				OCP		OCP		CONNECTED LOAD (VA)				DESCRIPTION	CKT NO.	
		LTS	REC	MECH	MISC	AMPS	P	AMPS	P	LTS	REC	MECH	MISC			
1	POLE AND UPLIGHTS NW	212				20	1 A	20	1	75				RECESSED WALL LIGHTS	2	
3	POLE AND UPLIGHTS SW	212				20	1 B	20	1				50	LIGHTING CONTROL	4	
5	PERGOLA STRIP LIGHTS	158				20	1 A	20	1				50	IRRIGATION CONTROLLER	6	
7	PERGOLA SIGN LIGHTING	42				20	1 B	20	1					SPARE	8	
9	SPARE					20	1 A	20	2					SPD	10	
11	SPARE					20	1 B								12	
LOAD SUMMARY																
		LTS	REC	MECH	MISC	SPARE	TOTAL					PHASE BALANCE				
CONNECTED LOAD (KVA)		0.7	0.0	0.0	0.1	—	0.8	240 LINE-TO-LINE VOLTS				PHASE A (KVA)				0
DEMAND FACTOR		1.25	NEC	1.00	1.00	20%	—					3 CONNECTED AMPS				PHASE B (KVA)
DESIGN LOAD (KVA)		0.9	0.0	0.0	0.1	0.2	1.1	5 DESIGN AMPS								



MINNEHAHA CREEK
WATERSHED DISTRICT



ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

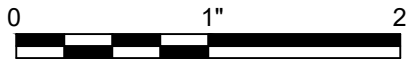
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DATE XX/XX/XXXX LICENSE # XXXXX

415 BLAKE RD GATEWAY TO THE GREENWAY
(NOT FOR CONSTRUCTION)

MINNEHAHA CREEK WATERSHED DISTRICT
415 BLAKE RD N
HOPKINS, MN 55343

ELECTRICAL ONE LINE DIAGRAMS
AND SCHEDULES



FILENAME E601.DWG
SCALE NA

SHEET
E601

1	2	3	4	5	6	7	8		
MATERIALS SCHEDULE									
QUANTITIES DEPICTED BELOW ARE ESTIMATES AND REQUIRE CONTRACTOR VERIFICATION									
CODE	DESCRIPTION	QTY	DETAIL	SPEC #	MATERIAL PROFILE / ASSEMBLY	MANUFACTURER	PRODUCT / MODEL	COLOR / FINISH	
AMENITY									
AM-02	AMENITY TYPE 02 - PERGOLA	1	2/L542	05-5000	HSS FRAME WITH WOOD PERLINS OVER CONCRETE FOOTINGS	CUSTOM	CUSTOM	WHITE POWDERCOAT FINISH, SUBMIT COLOR SAMPLES	
AM-07	AMENITY TYPE 07 - WOOD DUCK BOX	1	1/L582	06 1000	NON-TREATED WOOD	CUSTOM OR APPROVED PRODUCT	CUSTOM OR APPROVED PRODUCT	NO OIL BASED OR BRIGHT COLORED FINISHES	
AM-09	AMENITY TYPE 09 - STONE ENGRAVING	1	1/L583	09 0000	SANDBLASTED GRAPHICS WITH PAINT INFILL	CUSTOM	CUSTOM	BLACK PAINT INFILL	
CURB									
CB-04	CURB TYPE 04 - 12" CIP CONCRETE PLANTER CURB	91 LF	1/L521	03 0005	12" X 8" H REINFORCED CONCRETE CURB OVER COMPACTED AGGREGATE BASE, COMPACTED SUBGRADE	STANDARD CONCRETE	STANDARD CONCRETE	BROOM FINISH PARALLEL WITH TRAFFIC FLOW	
CODE	DESCRIPTION	QTY	DETAIL	SPEC #	MATERIAL PROFILE / ASSEMBLY	MANUFACTURER	PRODUCT / MODEL	COLOR / FINISH	COMMENTS
LIGHTING									
LT-02	LIGHT TYPE 02 - PEDESTRIAN SCALE POLE LIGHT	4		26 50 00	PEDESTRIAN SCALE POLE LIGHT	SEE ELECTRICAL	SEE ELECTRICAL	SUBMIT SAMPLES, IN SILVER COLOR FAMILY	SEE ELECTRICAL PLANS
LT-03	LIGHT TYPE 03 - TREE UPLIGHTS	6		26 50 00	FLOOD LIGHT SET ON GROUND SPIKE	SEE ELECTRICAL	SEE ELECTRICAL	SUBMIT SAMPLES, IN GRAY COLOR FAMILY	SEE ELECTRICAL PLANS
LT-04	LIGHT TYPE 04 - WALL PACK	15		26 50 00	RECESSED WALL LIGHT SET INTO CONCRETE CIP WALL	SEE ELECTRICAL	SEE ELECTRICAL	SUBMIT SAMPLES, IN GRAY COLOR FAMILY	SEE ELECTRICAL PLANS
LT-05	LIGHT TYPE 05 - PERGOLA DOWN LIGHT	50 LF		26 50 00	LED SURFACE MOUNT LIGHT TO BOTTOM OF PERGOLA BEAM	SEE ELECTRICAL	SEE ELECTRICAL	SUBMIT SAMPLES, IN WHITE COLOR FAMILY	SEE ELECTRICAL PLANS
LT-06	LIGHT TYPE 06 - PERGOLA LETTERING UPLIGHTS	14		26 50 00	MINI FLOOD LIGHT	SEE ELECTRICAL	SEE ELECTRICAL	SUBMIT SAMPLES, IN WHITE COLOR FAMILY	SEE ELECTRICAL PLANS
PAVING									
P-03	PAVING TYPE 03 - CONCRETE PAVING	4,268 SF	4/L500	SEE CIVIL	SEE CIVIL	SEE CIVIL	SEE CIVIL	GRAY, MEDIUM BROOM FINISH	REFER TO LA DETAIL FOR TYP JOINTING, SEE CIVIL FOR DEPTH / BASE MATERIALS
P-07	PAVING TYPE 07 - DECORATIVE CONCRETE PAVING	653 SF	2/L543	32 1316	4" REINFORCED INTEGRAL COLORED CONCRETE PAVING WITH SEEDED AGGREGATE FINISH, SET OVER COMPACTED AGGREGATE BASE, OVER COMPACTED SUBGRADE	BULACH OR APPROVED EQUAL	INTEGRAL COLORED CONCRETE WITH GRANITE TOP CAST	CHARCOAL INTEGRAL COLOR WITH BLACK GRANITE SEEDED AGGREGATE	MOCKUP REQ.
P-11	PAVING TYPE 11 - HARDWOOD MULCH PATH	504 SF	3/L500	32 9300	HARDWOOD MULCH	SITE SOURCED OR SUBMIT PRODUCT FOR APPROVAL		NATURAL	
P-12	PAVING TYPE 12 - ENGRAVED GRANITE PAVERS	653 SF	2/L500	32 1400	12" L X 12" W X 2" THICK GRANITE PAVERS, COMPACTED AGGREGATE BASE, COMPACTED SUBCUT	ORIJIN STONE, OR APPROVED EQUAL		MESABI BLACK, SANDBLAST FINISH FOR SLIP-RESISTANCE, WITH ETCHED INTERPRETIVE MAP	MOCKUP REQ. BASE BID: ENGRAVED GRANITE PAVERS, DEDUCT ALTERNATE: DECORATIVE CONCRETE WITH WATERSHED GRAPHIC SANDBLASTED FINISH
ROCK									
RO-01	ROCK TYPE 01 - LANDSCAPE BOULDER	9	2/L584	32 3224	LIMESTONE OUTCROPPING, 12" - 48" SIZES, OVER COMPACTED AGGREGATE BASE, OVER COMPACTED SUBGRADE	BIESANZ, VETTER, KASOTA, OR APPROVED EQUAL	LIMESTONE	SPLIT FACES, LIMESTONE TYPE TO MATCH OTHER STONE ELEMENTS	VARIED SIZES
CODE	DESCRIPTION	QTY	DETAIL	SPEC #	MATERIAL PROFILE / ASSEMBLY	MANUFACTURER	PRODUCT / MODEL	COLOR / FINISH	COMMENTS
SITE FURNITURE									
SF-04	SITE FURNITURE TYPE 04 - HOOP BIKE RACK	3	1/L562	32 3300	BIKE RACK EMBEDDED IN CIP CONCRETE FOOTING	DERO	HOOP RACK	GALVANIZED STEEL	
SF-09A	SITE FURNITURE TYPE 09A - LIMESTONE BLOCK ON AGGREGATE SPLIT FACE	10	1/L564	32 3224	LIMESTONE BLOCK SET OVER COMPACTED AGGREGATE BASE	BIESANZ, VETTER, KASOTA, OR APPROVED EQUAL	6' X 2' X 2' LIMESTONE	LIMESTONE TYPE TO MATCH OTHER STONE ELEMENTS	
SF-09C	SITE FURNITURE TYPE 09C - LIMESTONE BLOCK ON AGGREGATE SAWN FACE	6	2/L564	32 3224	LIMESTONE BLOCK SET OVER COMPACTED AGGREGATE BASE	BIESANZ, VETTER, KASOTA, OR APPROVED EQUAL	6' X 2' X 2' LIMESTONE	LIMESTONE TYPE TO MATCH OTHER STONE ELEMENTS	
SF-10	SITE FURNITURE TYPE 10 - SWING BENCH	2	2/L563	32 3300	72" AUSTIN BACKED SWING BENCH WITH WOOD SLATS AND ARMRESTS	LANDSCAPE FORMS	AU9991C-CUS	WOOD SEATING, END ARMS	
CODE	DESCRIPTION	QTY	DETAIL	SPEC #	MATERIAL PROFILE / ASSEMBLY	MANUFACTURER	PRODUCT / MODEL	COLOR / FINISH	COMMENTS
SIGNAGE									
SN-01	SIGN TYPE 01 - DIRECTIONAL (NIC)	1	1/L572	10 1423, 05-5001	1/2" THK GALV STEEL PLATE SIGN ANCHORED TO SONOTUBE FOOTING OVER COMPACTED AGGREGATE BASE OVER COMPACTED SUBGRADE.	CUSTOM	GALV STEEL	GALV STEEL	SUBMIT SHOP DRAWINGS, INCLUDING ENGINEERED DRAWINGS FOR FOOTING DESIGN
WALL									
WL-04	WALL TYPE 04 - CIP CONCRETE WALL	140 LF	2/L521	03 0005	1' WIDTH CIP CONCRETE WALL, 3' TALL MAX, OVER COMPACTED AGGREGATE BASE OVER COMPACTED SUBGRADE, WITH INTEGRATED WALL LIGHT	STANDARD CONCRETE	STANDARD CONCRETE	RUBBED FINISH	
WL-05	WALL TYPE 05 - CIP CONCRETE SEATWALL WITH STONE MASONRY VENEER	90 LF	1/L543	03 0005, 04 40 00	CIP RETAINING WALL WITH LIMESTONE MASONRY AND PRECAST CAP	STANDARD CONCRETE, BIESANZ, VETTER, KASOTA, OR APPROVED EQUAL	STANDARD CONCRETE WITH LIMESTONE BRICK FACING	SAWN ALL FACES LIMESTONE MASONRY. PRECAST CAP ACID WASHED FINISH, COLOR LIGHT GRAY, SUBMIT COLOR SAMPLES FOR APPROVAL	MOCKUP REQ.

PROJECT MANAGER ANDREW F. JUDD		
C	03/28/2023	100% DESIGN
B	09/14/2022	90% DESIGN
A	06/13/2022	PFA GRANT PACKAGE
ISSUE	DATE	DESCRIPTION
PROJECT NUMBER 10268112		

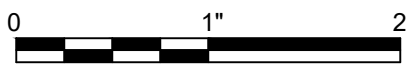
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DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

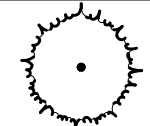
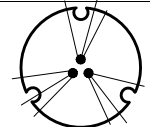
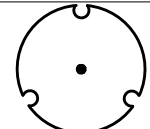
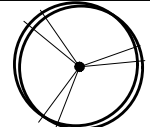

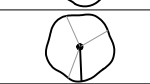

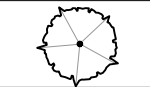

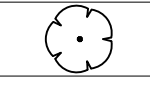
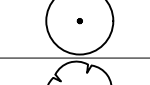
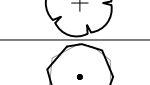
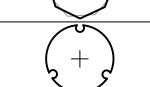
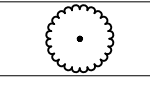

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

SITE MATERIALS SCHEDULE



FILENAME
SCALE N/A

SHEET
L010

1		2		3		4		5		6		7		8	
PLANT SCHEDULE															
SYMBOL	CODE	QTY	BOTANICAL / COMMON NAME	SIZE	CONT.	DETAIL									
TREES															
	LL	2	LARIX LARICINA TAMARACK	6' HT.	B&B										
DECIDUOUS TREES															
	BN	5	BETULA NIGRA 'CULLY' TM HERITAGE RIVER BIRCH	8' HT. MULTI-STEM	B&B										
	PT2	3	POPULUS TREMULOIDES 'NE ARB' PRAIRIE GOLD ASPEN	2.5" CAL.	B&B										
	QH	1	QUERCUS X 'HERITAGE' HERITAGE ENGLISH OAK	2.5" CAL.	B&B										
SHRUBS															
	CM	6	CORNUS RACEMOSA 'MUSZAM'	MUSKINGUM® GRAY DOGWOOD	#2	CONT.									
	RG	150	RHUS AROMATICA 'GRO-LOW'	GRO-LOW FRAGRANT SUMAC	#5	CONT.									
	RT	12	RHUS TYPHINA	STAGHORN SUMAC	#5	CONT.									
	SJ	11	SALIX CANDIDA 'JEFBERG' TM	ICEBERG ALLEY SAGELEAF WILLOW	#2	CONT.									
	SP	10	SALIX DISCOLOR	PUSSY WILLOW	#5										
	VB	6	VIBURNUM TRILOBUM 'BAILEY COMPACT'	BAILEY'S COMPACT AMERICAN CRANBERRY BUSH	#5	CONT.									
PERENNIALS															
	AY	179	ACHILLEA X 'MOONSHINE'	MOONSHINE YARROW	#1	CONT.									
	BP	21	BAPTISIA AUSTRALIS	BLUE WILD INDIGO	#1	CONT.									
	HA	68	HELENIUM AUTUMNALE SALUD YELLOW	SNEEZEWEED	#1	CONT.									
	SG	62	SOLIDAGO SPECIOSA ' LITTLE MELON'	SHOWY GOLDENROD	#1	CONT.									
	ZA	92	ZIZIA AUREA	GOLDEN ALEXANDER	#1	CONT.									

C	03/28/2023	100% DESIGN
B	09/14/2022	90% DESIGN
A	06/13/2022	PFA GRANT PACKAGE
ISSUE	DATE	DESCRIPTION

PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

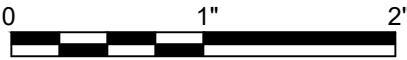
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DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

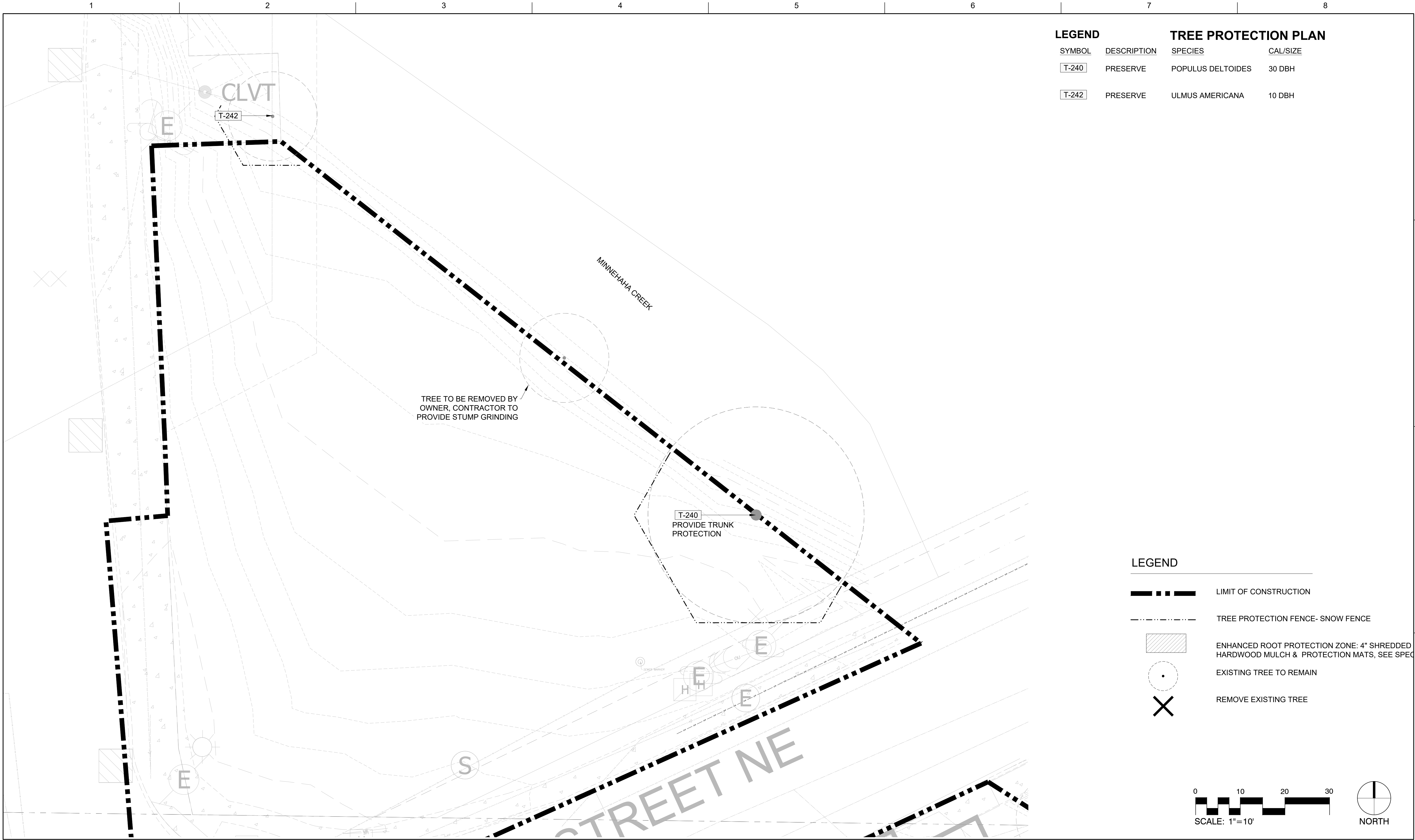
TREE & SHRUB PLANTING SCHEDULE



FILENAME
SCALE N/A

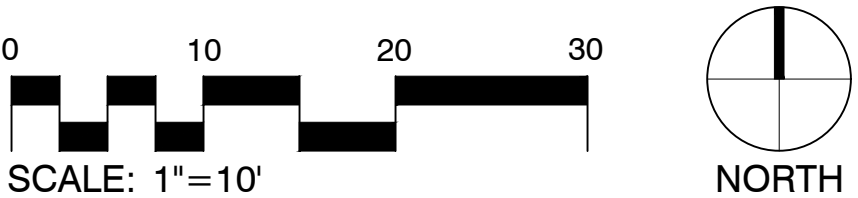
SHEET
L020

1		2		3		4		5		6		7		8	
UNDERSTORY PLANTING SCHEDULE															
SYMBOL	CODE	QTY	BOTANICAL NAME	COMMON NAME	SIZE	CONT.	SPACING	REMARKS							
SHRUB AREAS															
		3,312 SF	ENTRY FEATURE PLANTING NATIVE GRASS MASSES W/ INTERSPERSED SEASONAL NATIVE FORB FORMAL PLANTING					NATIVE GRASS MASSES W/ INTERSPERSED SEASONAL NATIVE FORB FORMAL PLANTING							
	AT	241	ASCLEPIAS TUBEROSA DISTRIBUTE EVENLY THROUGHOUT PLANTING BED. LOCATE BETWEEN BLUESTEM	BUTTERFLY MILKWEED	4"	CONT	7% @ 12" o.c.	DISTRIBUTE EVENLY THROUGHOUT PLANTING BED, LOCATE BETWEEN SS							
	SL	496	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	1 GAL	CONT	90% @ 30" o.c.								
		441 SF	PERENNIAL PLANTING COMPOSED PERENNIAL PLANTING- NATIVE SPECIES ENTRY AREA BEDS & PLAYGROUND					COMPOSED PERENNIAL PLANTING- NATIVE SPECIES ENTRY AREA BEDS & PLAYGROUND							
	DA	40	DODECATHEON MEADIA 'APHRODITE'	GIANT SHOOTING STAR	4"	CONT	20% @ 18" o.c.								
	LG2	61	LIATRIS PYCNOSTACHYA	GAYFEATHER	4"	CONT	30% @ 18" o.c.								
	SL2	57	SCHIZACHYRIUM SCOPARIUM	LITTLE BLUESTEM	#1	CONT	50% @ 24" o.c.								
		61 SF	WET MEADOW ENHANCEMENT PLANTINGS												
	CEF	5	CORNUS SERICEA 'ARCTIC FIRE' MULCH IN MASS	ARCTIC FIRE RED TWIG DOGWOOD	2 GAL	CONT	50% @ 30" o.c.	MULCH IN MASS							
	IVE	8	IRIS VERSICOLOR PLANT INTO SEEDED AREA	BLUE FLAG	1 GAL	CONT	50% @ 24" o.c.	PLANT INTO SEEDED AREA							
		2,205 SF	RAIN GARDEN PLANTING LAYOUT TO BE PROVIDED IN FIELD BY LANDSCAPE ARCHITECT					LAYOUT TO BE PROVIDED IN FIELD BY LANDSCAPE ARCHITECT							
	AP	153	ASTER NOVAE-ANGLIAE 'PURPLE DOME'	PURPLE DOME NEW ENGLAND ASTER	1 GAL	CONT	15% @ 18" o.c.								
	CV	172	CAREX VULPINOIDEA	FOX SEDGE	1 GAL	CONT	30% @ 24" o.c.								
	CA5	7	CORNUS SERICEA 'ALLEMAN'S COMPACT'	DWARF RED TWIG DOGWOOD	5 GAL	CONT	5% @ 48" o.c.								
	LC	37	LOBELIA CARDINALIS	CARDINAL FLOWER	1 GAL	CONT	10% @ 30" o.c.								
	LB	37	LOBELIA SIPHILITICA 'BIG BLUE'	BIG BLUE GREAT LOBELIA	1 GAL	CONT	10% @ 30" o.c.								
	MD2	57	MONARDA DIDYMA	BEE BALM	1 GAL	CONT	10% @ 24" o.c.								
	RG5	143	RUDBECKIA FULGIDA SULLIVANTII 'GOLDSTURM'	GOLDSTURM CONEFLOWER	1 GAL	CONT	25% @ 24" o.c.								
GROUND COVERS															
		1,361 SF	SEED MIX - WET MEADOW					MNDOT - 34-272 WET MEADOW SOUTH & WEST. SEEDED AT 18 LBS/ ACRE (INCLUDES COVER CROP AT 3.1 LBS/ ACRE + FORBS AND GRASS SEEDED AT 1.5X NORMAL SEEDING RATE							
		3,476 SF	SEED MIX - MESIC PRAIRIE					BWSR PILOT MIX: LITTLE BLUESTEM URBAN PRAIRIE" SEEDED AT 48.41 LBS/ACRE (INCLUDES COVER CROP AT 37.88 LBS/ ACRE + FORBS AND GRASS SEEDED AT 1.5X NORMAL SEEDING RATE (10.53 LBS/ACRE))							



LEGEND		TREE PROTECTION PLAN	
SYMBOL	DESCRIPTION	SPECIES	CAL/SIZE
T-240	PRESERVE	POPULUS DELTOIDES	30 DBH
T-242	PRESERVE	ULMUS AMERICANA	10 DBH

LEGEND	
	LIMIT OF CONSTRUCTION
	TREE PROTECTION FENCE- SNOW FENCE
	ENHANCED ROOT PROTECTION ZONE: 4" SHREDDED HARDWOOD MULCH & PROTECTION MATS, SEE SPEC
	EXISTING TREE TO REMAIN
	REMOVE EXISTING TREE





MINNEHAHA CREEK
WATERSHED DISTRICT



DF/ DAMON FARBER
LANDSCAPE ARCHITECTS
401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p: 612.332.7522

ISSUE	DATE	DESCRIPTION
C	03/28/2023	100% DESIGN
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A	06/13/2022	PFA GRANT PACKAGE

PROJECT MANAGER ANDREW F. JUDD	
PROJECT NUMBER	10268112

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

DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

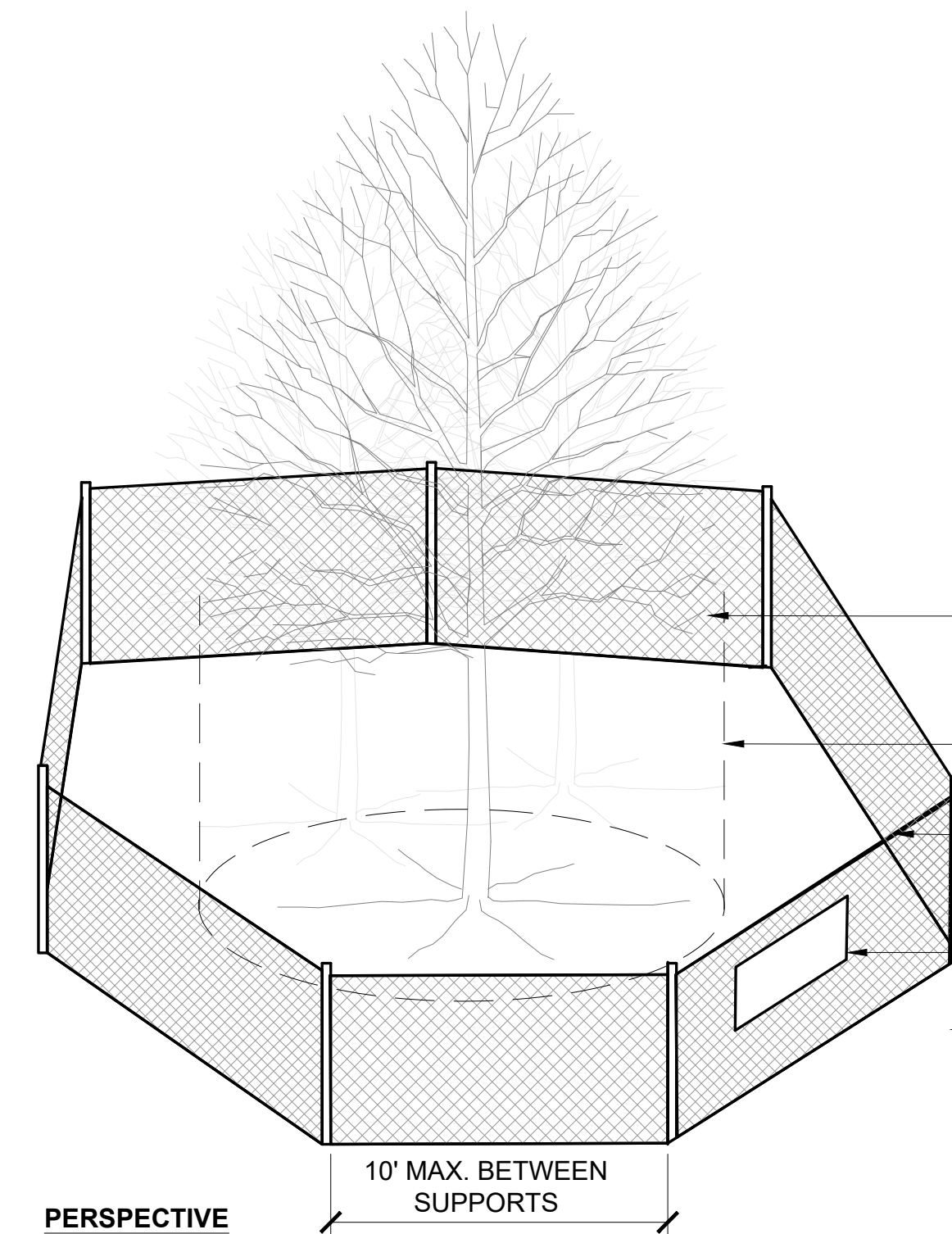
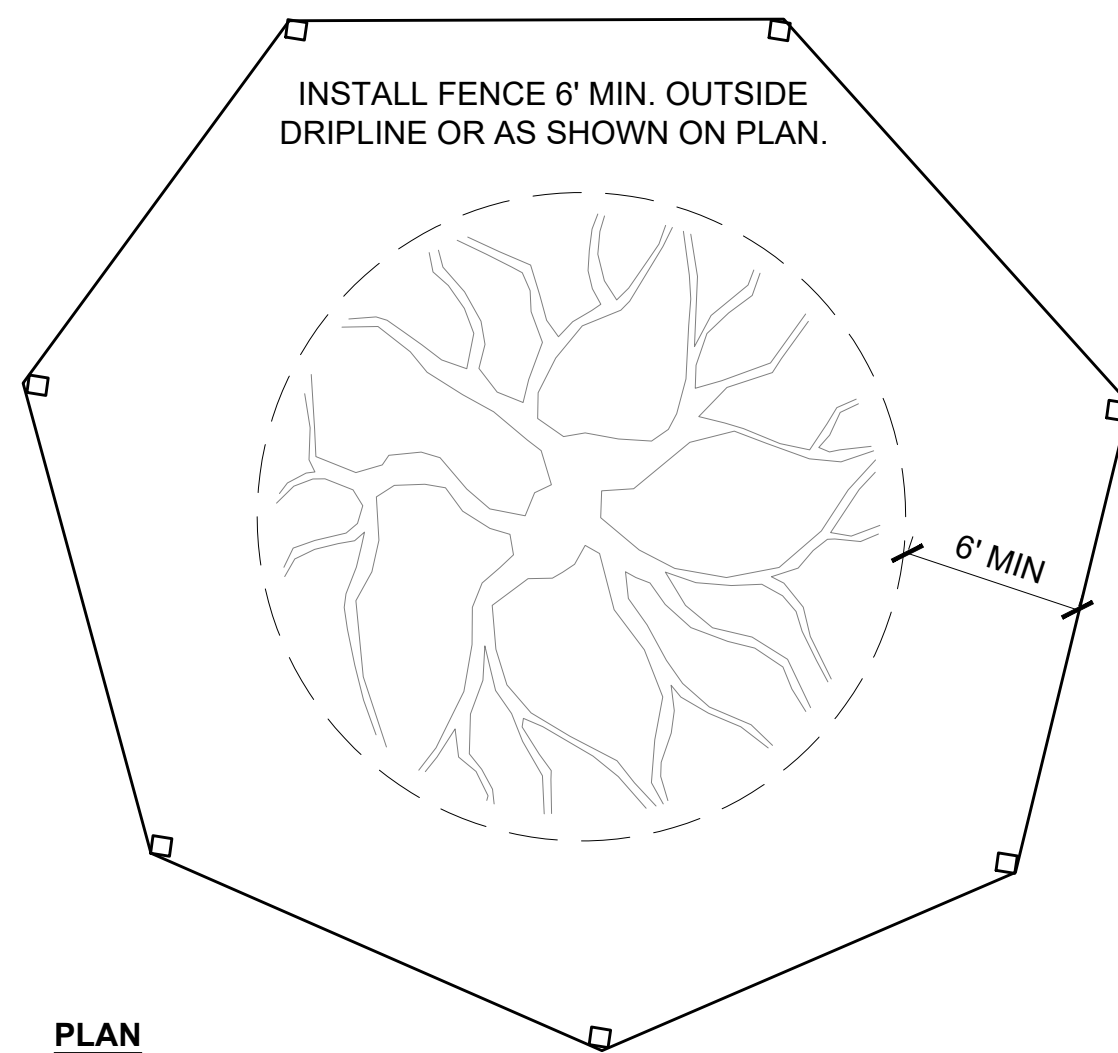
MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

TREE PROTECTION PLAN



FILENAME
SCALE AS SHOWN

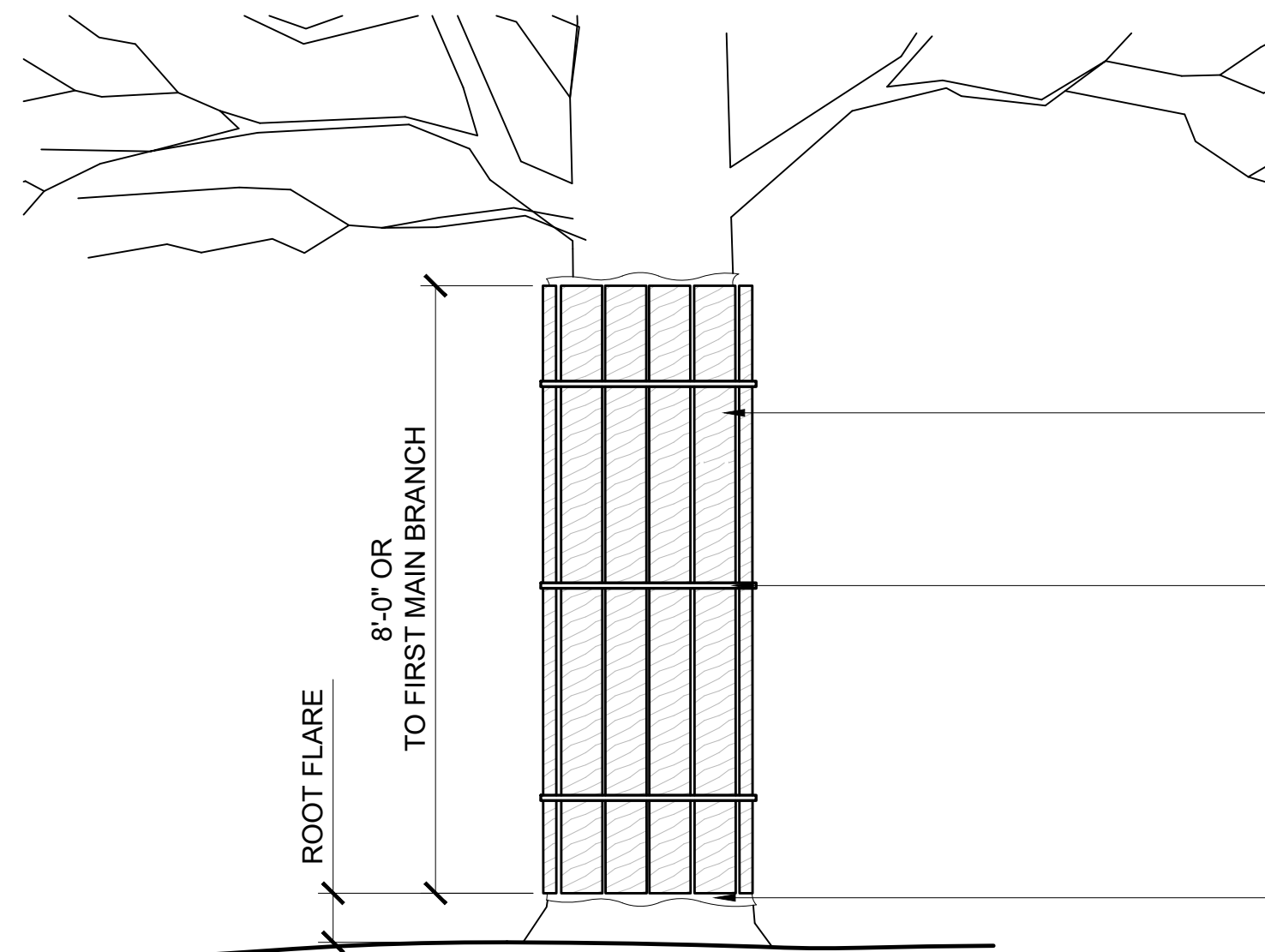
SHEET
L056



NOTES:

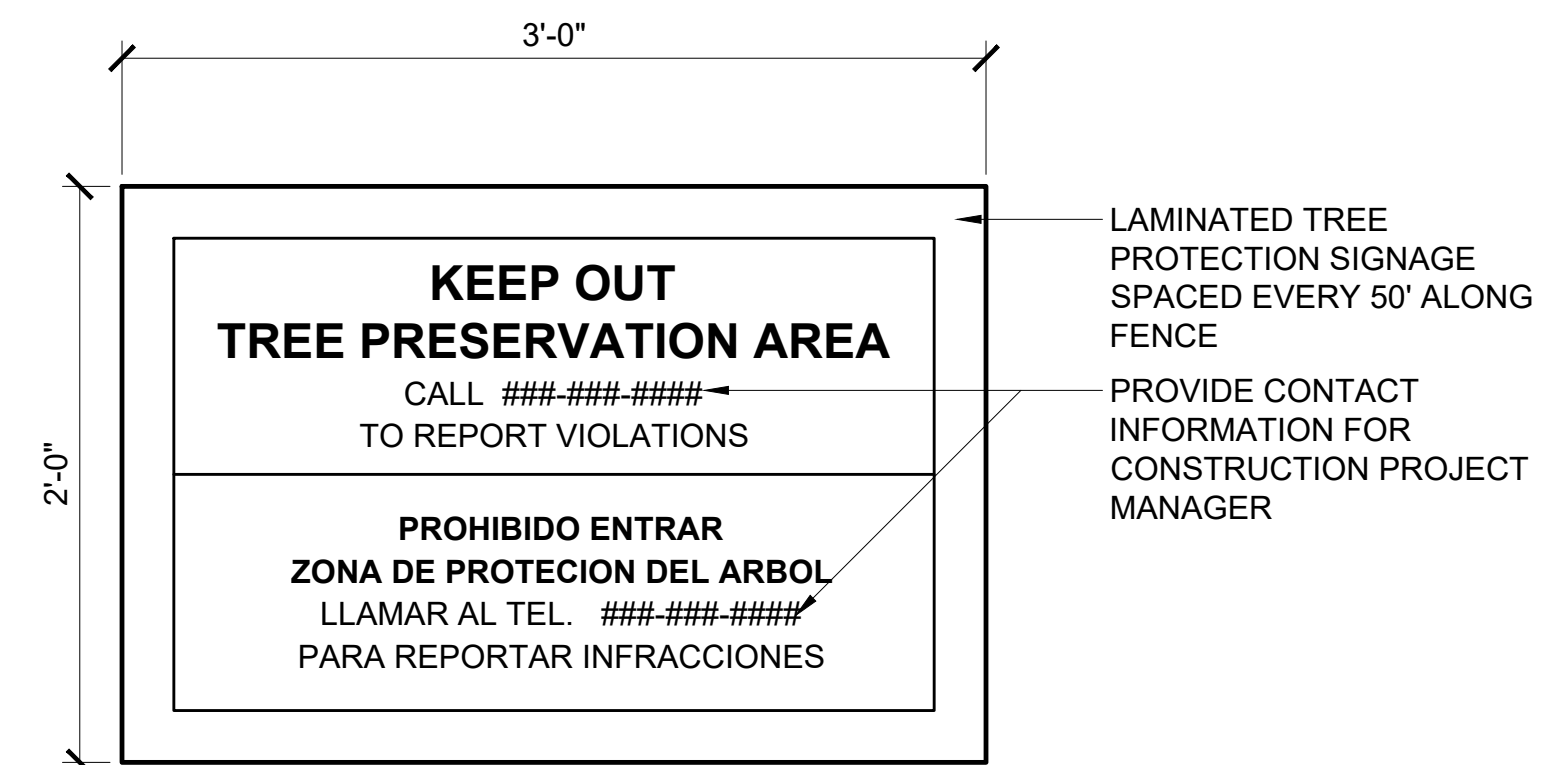
1. TREE PROTECTION FENCING SHALL BE INSTALLED PRIOR TO DEMOLITION IN LOCATIONS SHOWN ON PLANS AND SHALL BE MAINTAINED FOR THE DURATION OF THE CONSTRUCTION PERIOD. TREE PROTECTION FENCING MAY BE RELOCATED AS NECESSARY WITH APPROVAL FROM THE LANDSCAPE ARCHITECT.
2. CONTRACTOR SHALL NOT STORE MATERIALS, EQUIPMENT OR PARK VEHICLES IN TREE PROTECTION ZONES. THE FENCE SHALL PREVENT TRAFFIC MOVEMENT AND THE PLACEMENT OF TEMPORARY FACILITIES, EQUIPMENT, STOCKPILES AND SUPPLIES FROM HARMING VEGETATION WITHIN THE LIMITS OF PROTECTION.
3. WHERE WORK IS TO OCCUR IN TREE PROTECTION ZONES, PLACE 4" DEPTH ORGANIC WOOD MULCH WITHIN TREE PROTECTION FENCING FOR MOISTURE PRESERVATION WHERE EXISTING GROUND COVER IS DISTURBED.
4. PLACE TREE PROTECTION WITHIN DRIPLINE WHEN FULL DRIPLINE PROTECTION IS NOT FEASIBLE DUE TO EXISTING PAYEMENT OR OTHER OBSTACLES.
5. WHERE TREE PROTECTION OCCURS WITHIN DRIPLINE OF TREE, WRAP TRUNK W/ 2X4X8 BOARDS SECURED TIGHTLY AROUND TRUNK WITH STRAP BINDINGS.
6. NO PRUNING SHALL BE PERFORMED EXCEPT WHEN APPROVED BY APPROVED LANDSCAPE ARCHITECT AND PERFORMED BY ISA CERTIFIED ARBORIST.
7. WHERE WORK OCCURS WITHIN DRIPLINE OF TREE, ROOT PRUNING TO BE PERFORMED BY ISA CERTIFIED ARBORIST PRIOR TO EXCAVATION OR TRENCHING.

**WHERE GROUP OF TREES IS TO BE PROTECTED,
PROTECT TREES AS MASS WITHIN SINGLE FENCE.
DO NOT PROTECT INDIVIDUALLY.**



NOTES:

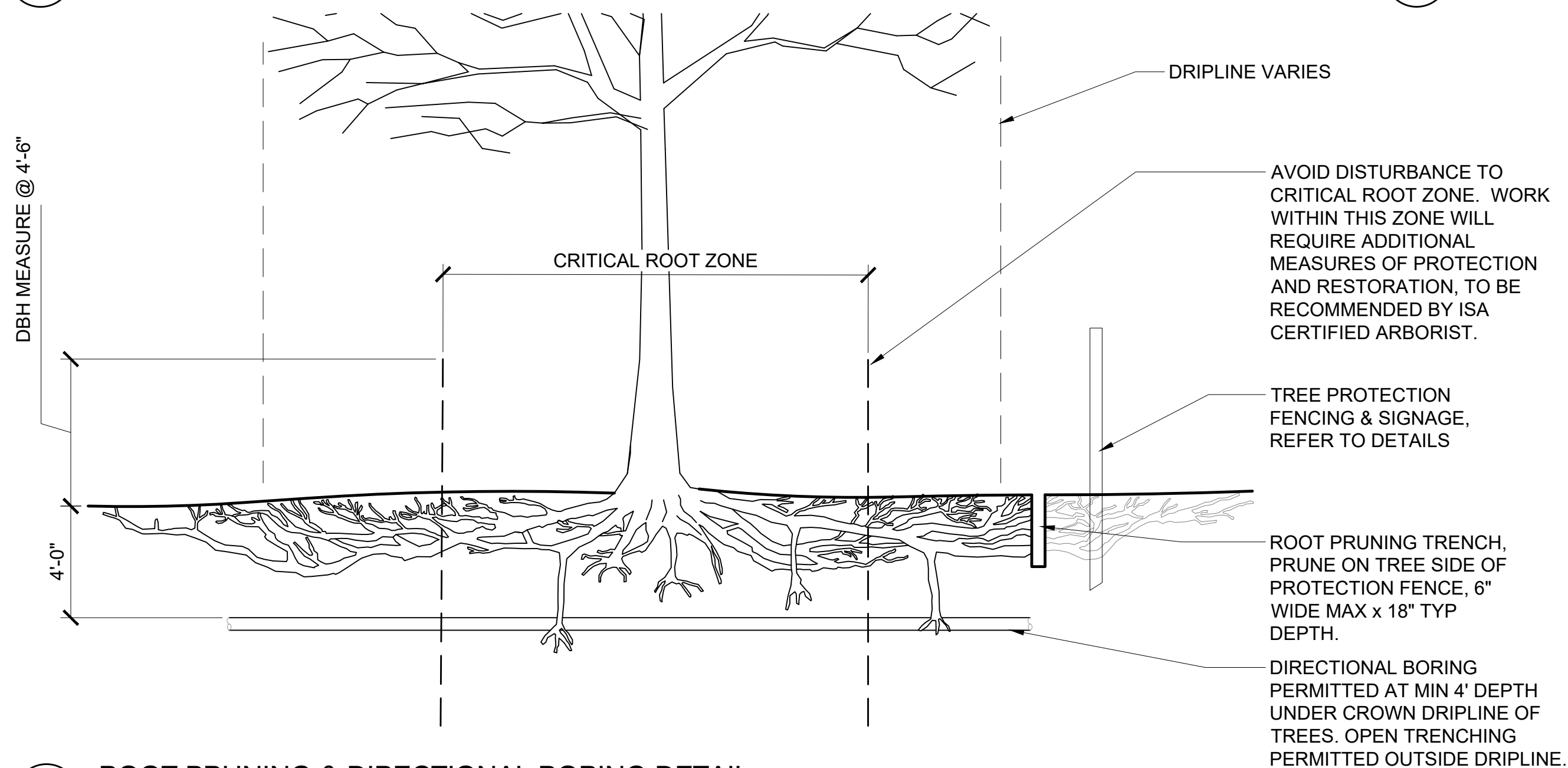
1. DO NOT FASTEN PLANKING DIRECTLY TO TREE TRUNK.
2. DO NOT INSTALL PLANKING ON ROOT FLARE.



2 TRUNK PROTECTION

$$1'' = 1' - 0''$$

P-20.199-54



2 DETAIL - TREE PROTECTION SIGNAGE

 $1\frac{1}{2}'' = 1'-0''$

R 30 100 50

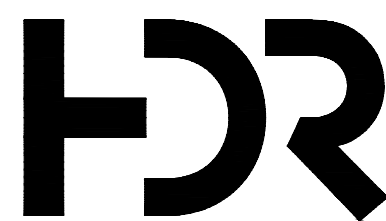
NOTES:

1. WHERE WORK IS TO OCCUR WITHIN THE DRIPLINE OF A TREE, CONTRACTOR TO USE AIR EXCAVATOR, DIRECTIONAL BORING, ROOT PRUNING, AND PRECAUTIONARY MEASURES AS DETAILED. ROOT PRUNING TO BE PERFORMED BY ISA CERTIFIED ARBORIST.
2. ROOT PRUNING SHALL BE DONE WITH A TRENCHER OR VIBRATORY PLOW TO A DEPTH OF 18". ROOTS OVER 1.5" DIA SHALL HAVE A CLEAN CUT MADE BY A CLEAN SAW ON SURFACE OF THE ROOT. DO NOT PAINT CUT ROOT ENDS.
3. FOR INSTALLATION OF UTILITIES WITHIN DRIPLINE OF TREE, LEAVE ROOTS IN TACT AND UTILIZE DIRECTIONAL BORING TO THREAD UTILITY LINES BENEATH.
4. ROOT PRUNING SHALL TAKE PLACE PRIOR TO CLEARING AND GRADING. STAKE LOCATIONS OF TREE PROTECTION PRIOR TO TRENCHING.
5. BACKFILL ROOT PRUNING TRENCHES WITH EXCAVATED SOIL AND MULCH. MARK LOCATIONS WITH STAKES FOR FUTURE REFERENCE. SILT FENCE MAY BE INSTALLED IN TRENCH PRIOR TO BACKFILLING AS LONG AS TRENCH IS NOT OPEN LONGER THAN 48HRS WITHOUT WATERING.
6. DO NOT PERFORM ROOT PRUNING WHEN SOIL IS WET OR WHEN TOP 1" OR MORE OF SOIL IS FROZEN.
7. AVOID DISTURBANCE WITHIN CRITICAL ROOT ZONE. CRITICAL ROOT ZONE SHALL BE MEASURED FROM TRUNK OUTWARD AND CALCULATED AS FOLLOWS:
 - DBH < 29.9" USE 1 FOOT RADIUS PER 1 INCH DBH, MIN 3' RADIUS
 - DBH > 30" USE 1.5 FOOT RADIUS PER 1 INCH DBH

ROOT PRUNING & DIRECTIONAL BORING DETAIL

 $1\frac{1}{2}'' = 1'-0''$

P-20 199-51

**MINNEHAHA CREEK
WATERSHED DISTRICT**

**DF/ DAMON FARBER
LANDSCAPE ARCHITECTS**
401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p: 612.332.7521

C	03/28/2023	100% DESIGN
B	09/14/2022	90% DESIGN
A	06/13/2022	PFA GRANT PACKAGE
ISSUE	DATE	DESCRIPTION

TREE PROTECTION DETAILS

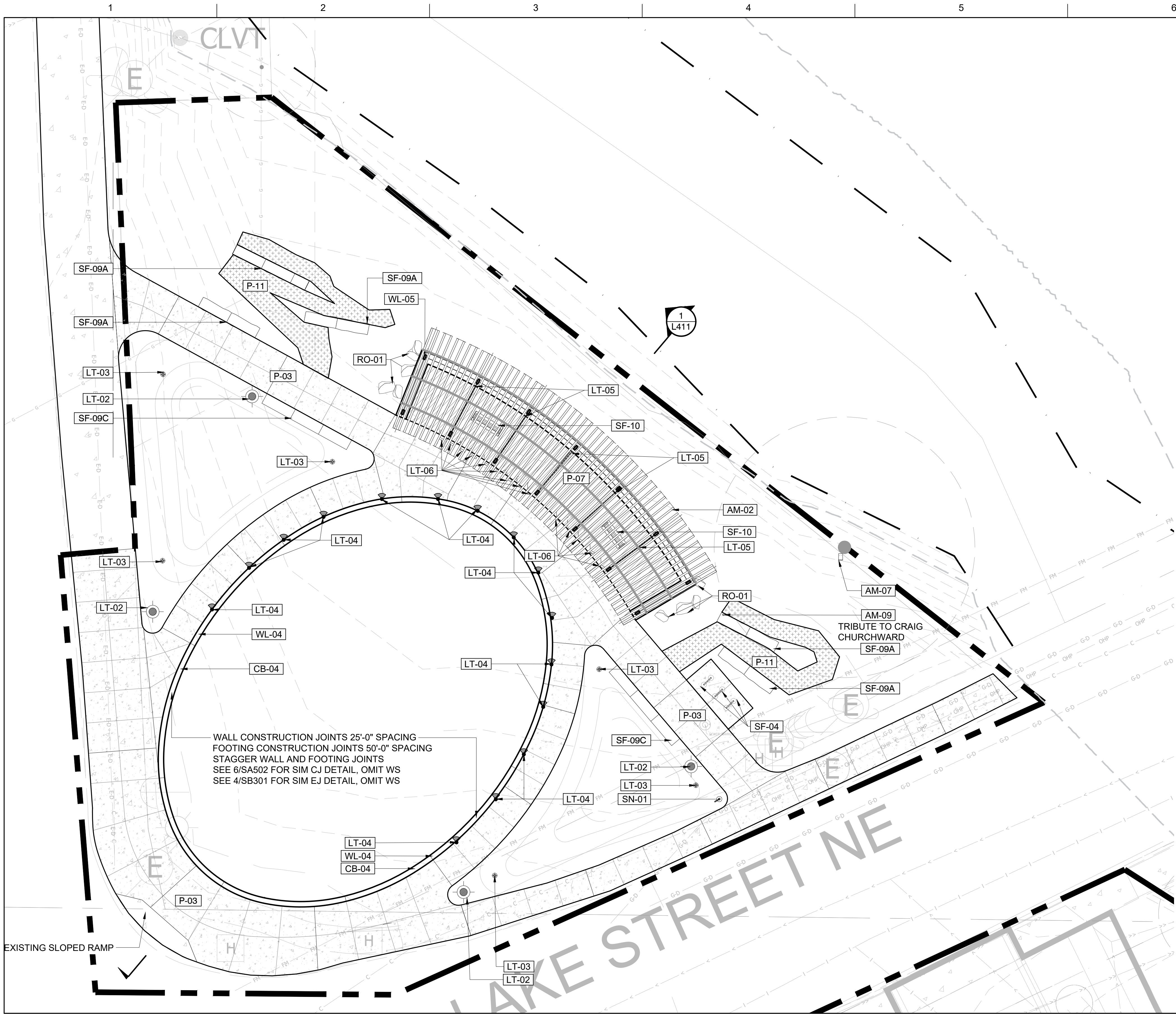


FILE NAME

SCALE AS SHOWN

| SHEET

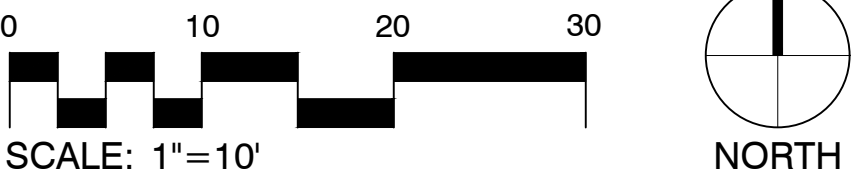
L057



LEGEND - SITE MATERIALS PLAN

MATERIALS LEGEND

CODE	DESCRIPTION	QTY	DETAIL
AMENITY			
AM-02	AMENITY TYPE 02 - PERGOLA	1	2/L542
AM-07	AMENITY TYPE 07 - WOOD DUCK BOX	1	1/L582
AM-09	AMENITY TYPE 09 - STONE ENGRAVING	1	1/L583
CURB			
CB-04	CURB TYPE 04 - 12" CIP CONCRETE PLANTER CURB	91 LF	1/L521
LIGHTING			
LT-02	LIGHT TYPE 02 - PEDESTRIAN SCALE POLE LIGHT	4	
LT-05	LIGHT TYPE 05 - PERGOLA DOWN LIGHT	50 LF	
LT-06	LIGHT TYPE 06 - PERGOLA LETTERING UPLIGHTS	14	
PAVING			
P-03	PAVING TYPE 03 - CONCRETE PAVING	10,805 SF	4/L500
P-07	PAVING TYPE 07 - DECORATIVE CONCRETE PAVING	653 SF	2/L543
P-11	PAVING TYPE 11 - HARDWOOD MULCH PATH	4.67 CY	3/L500
P-12	PAVING TYPE 12 - ENGRAVED GRANITE PAVERS	653 SF	2/L500
ROCK			
RO-01	ROCK TYPE 01 - LANDSCAPE BOULDER	9	2/L584
SITE FURNITURE			
SF-04	SITE FURNITURE TYPE 04 - HOOP BIKE RACK	3	1/L562
SF-09A	SITE FURNITURE TYPE 09A - LIMESTONE BLOCK ON AGGREGATE SPLIT FACE	10	1/L564
SF-09C	SITE FURNITURE TYPE 09C - LIMESTONE BLOCK ON AGGREGATE SAWN FACE	6	2/L564
SF-10	SITE FURNITURE TYPE 10 - SWING BENCH	2	2/L563
SIGNAGE			
SN-01	SIGN TYPE 01 - DIRECTIONAL (NIC)	1	1/L572
WALL			
WL-04	WALL TYPE 04 - CIP CONCRETE WALL	140 LF	2/L521
WL-05	WALL TYPE 05 - CIP CONCRETE SEATWALL WITH STONE MASONRY VENEER	90 LF	1/L543



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PROJECT MANAGER ANDREW F. JUDD	
PROJECT NUMBER	10268112

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DATE XX/XX/XXXX LICENSE # 43941

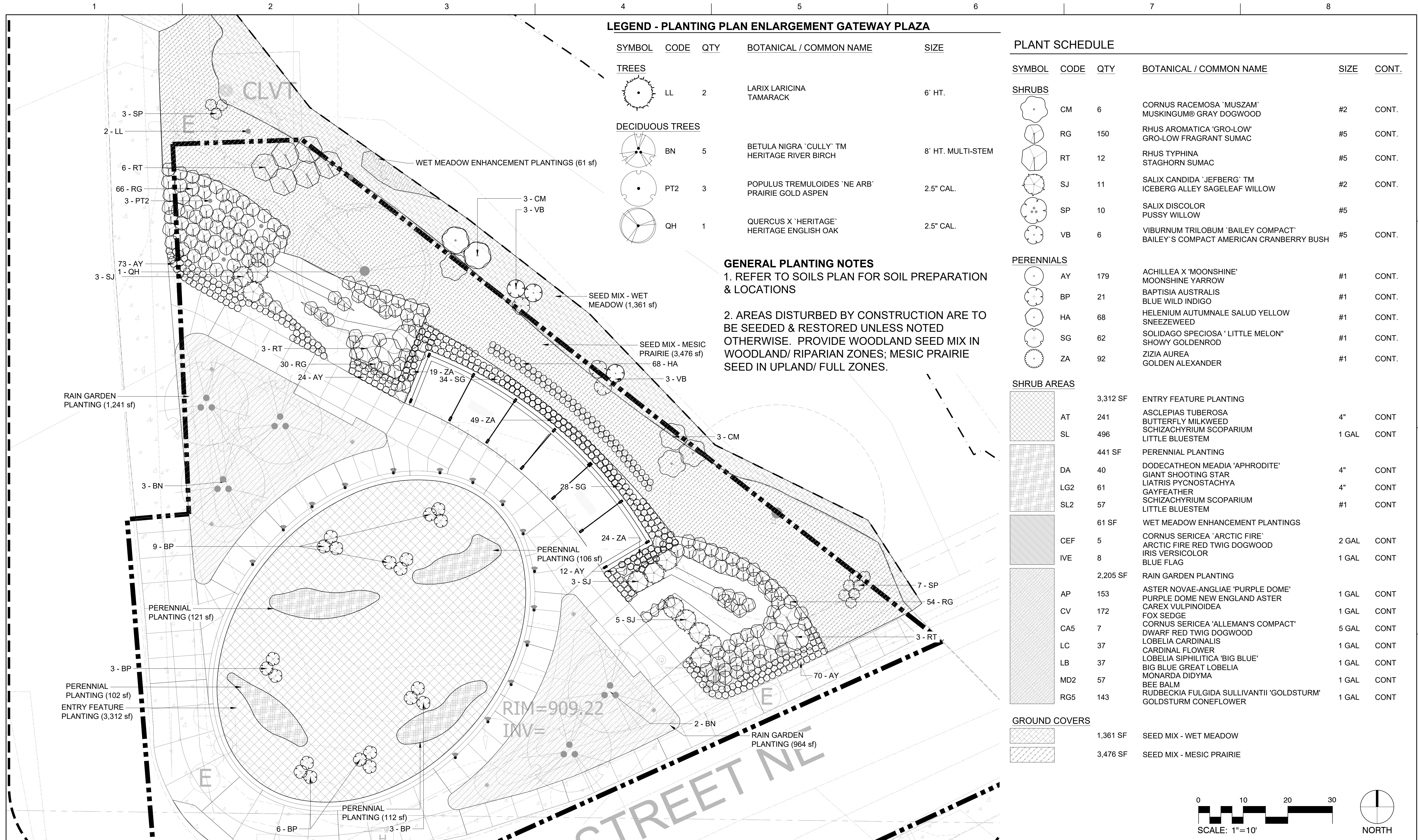
415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

SITE MATERIALS PLAN

SCALE AS SHOWN

SHEET
L203



C	03/28/2023	100% DESIGN
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PROJECT NUMBER 10268112

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JEFF MCMENIMEN, PLA
DATE XX/XX/XXXX LICENSE # 43941

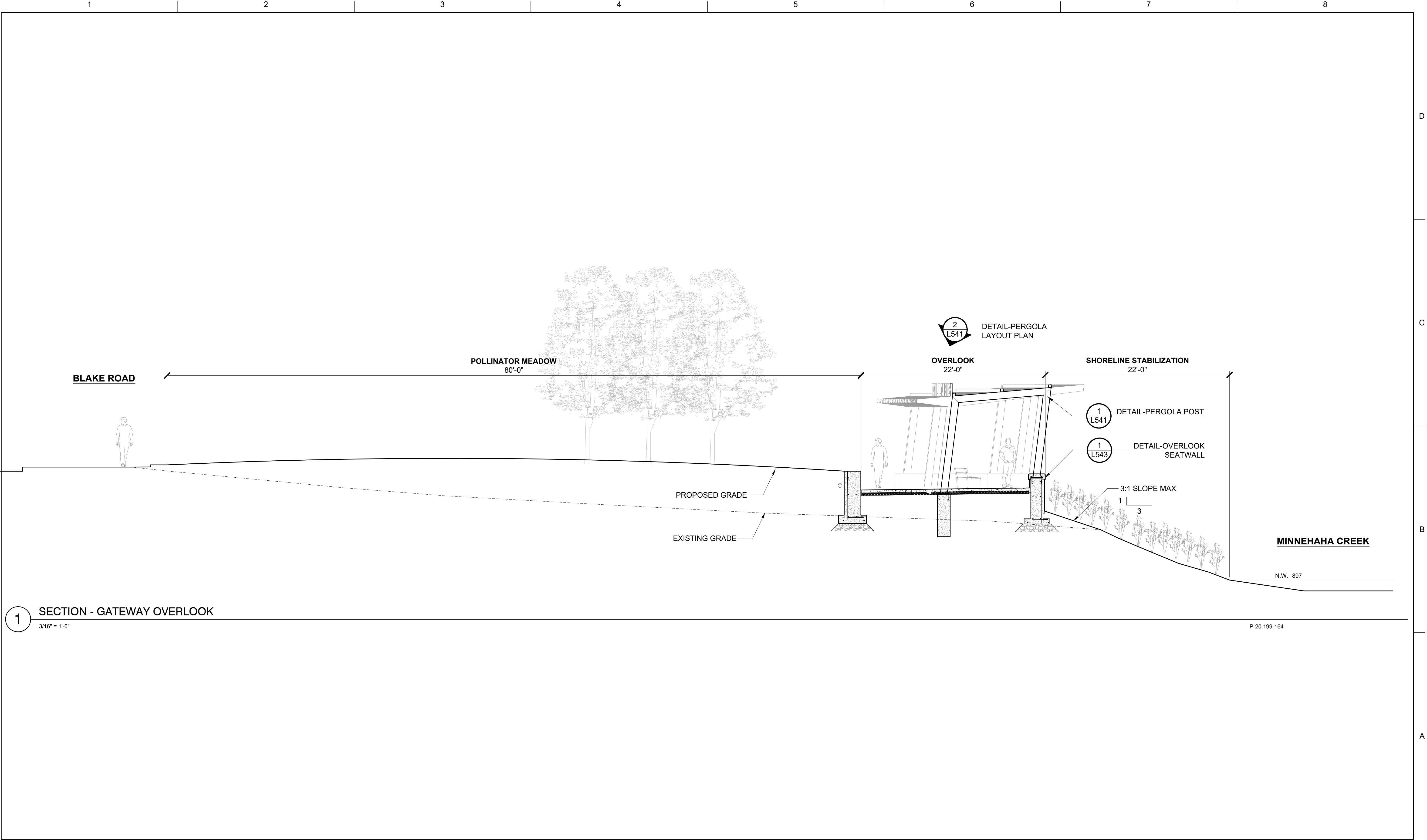
415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

UNDERSTORY PLANTING PLAN

0 1" 2"
SCALE AS SHOWN

SHEET
L243



1 SECTION - GATEWAY OVERLOOK
3/16" = 1'-0"

P-20.199-164

ISSUE	DATE	DESCRIPTION
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DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

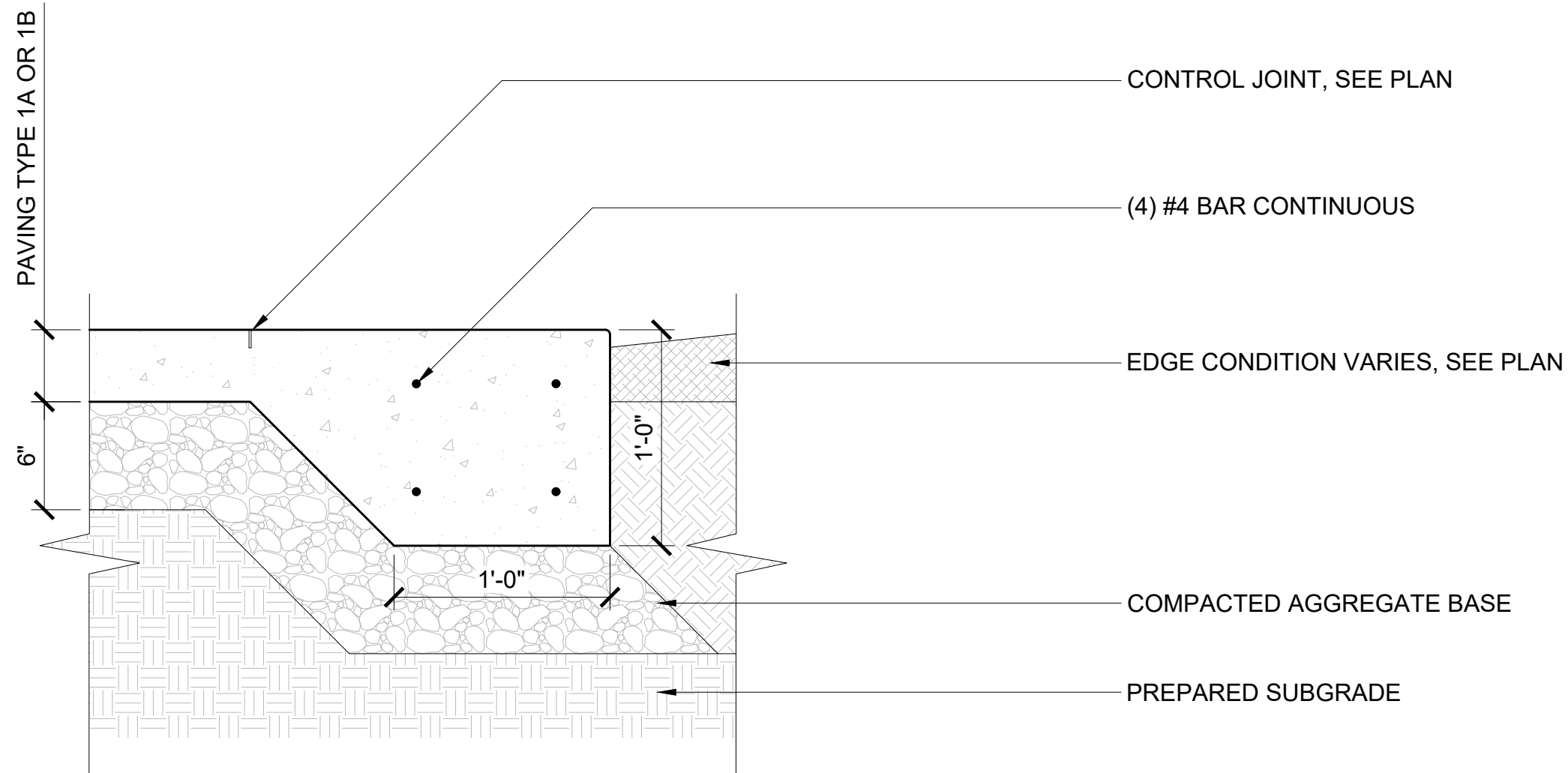
MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

SITE SECTION - GATEWAY OVERLOOK

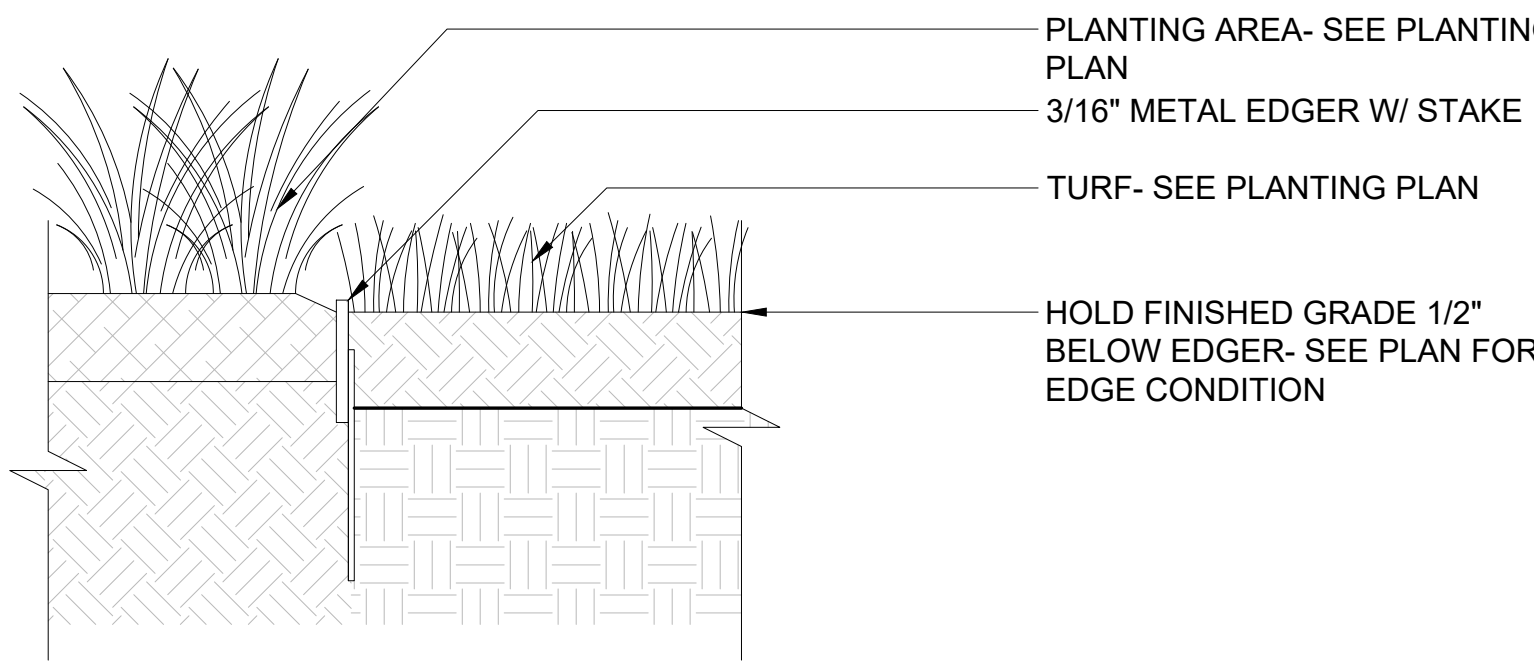


FILENAME
SCALE AS SHOWN

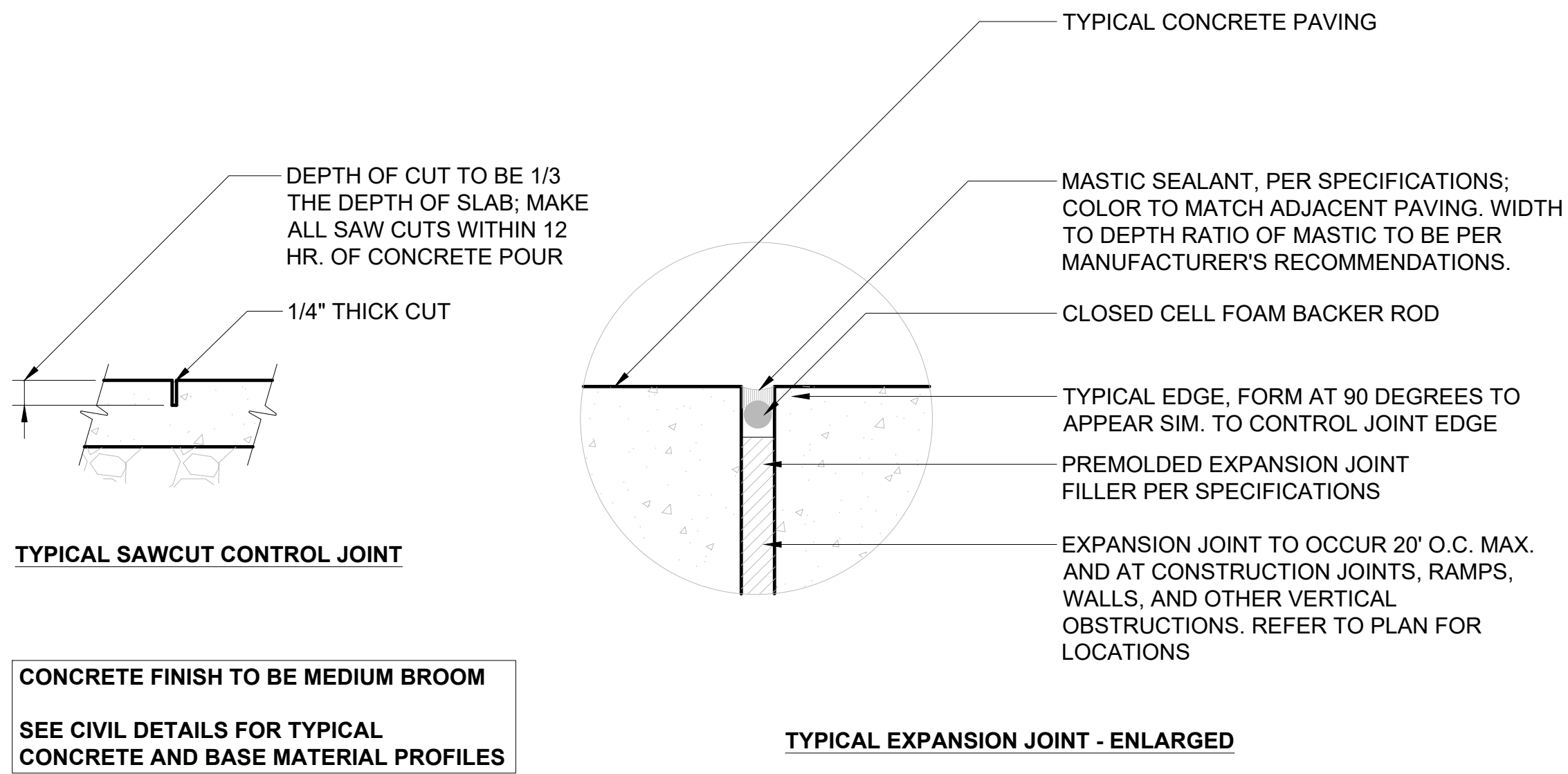
SHEET
L411



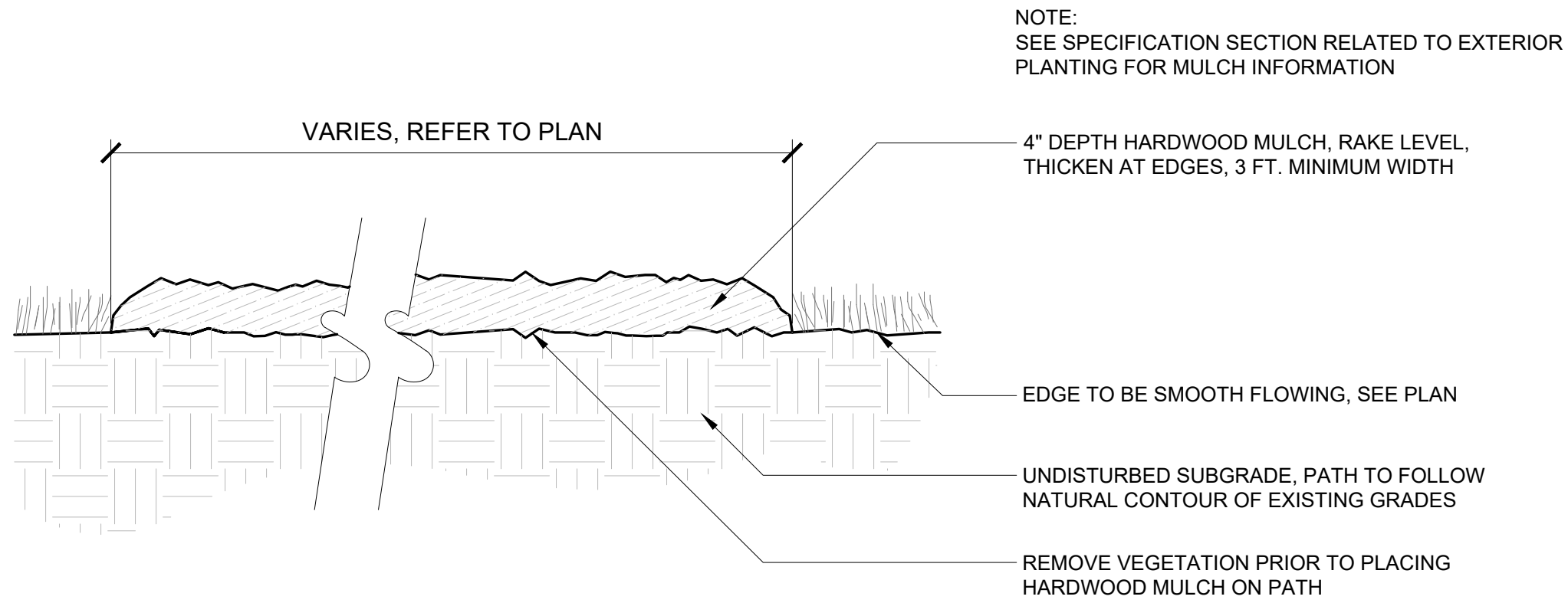
6 DETAIL - EDGE TYPE 3 - THICKENED CONCRETE SLAB EDGE
1 1/2" = 1'-0" P-20.199-196



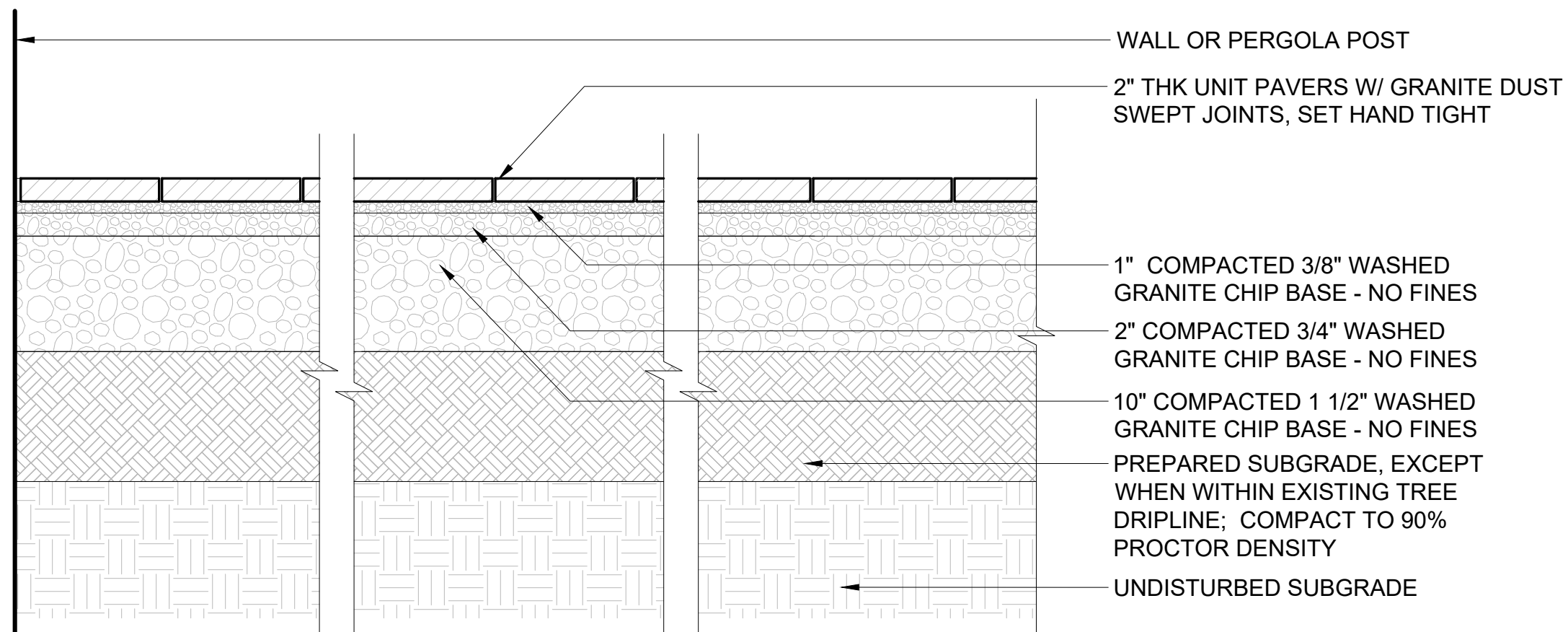
5 DETAIL - STEEL EDGER
1 1/2" = 1'-0" P-20.199-75



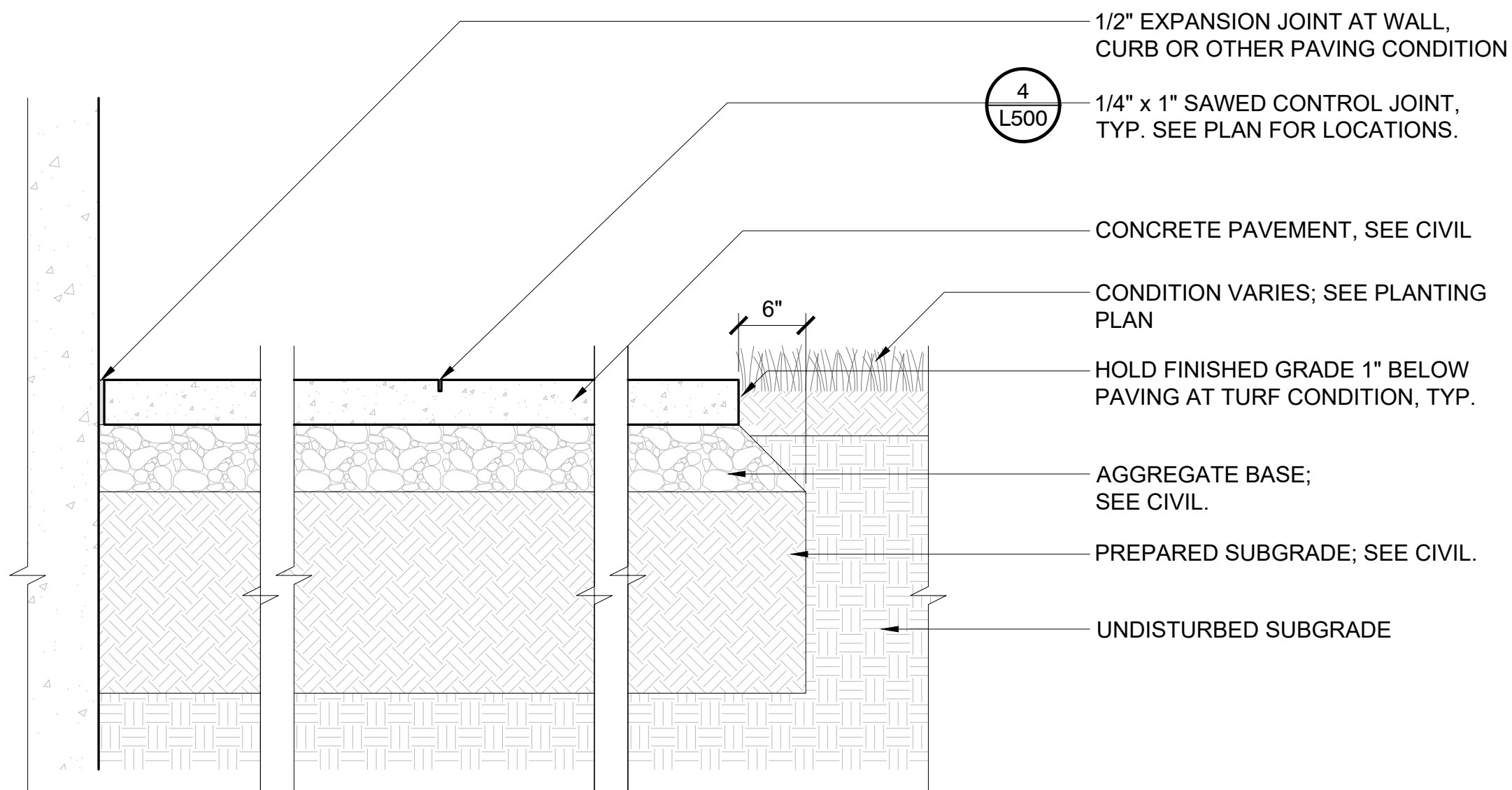
4 DETAIL - P-03 CONCRETE PAVING TYPICAL JOINTING
NTS P-20.199-106



3 DETAIL- PAVING TYPE 11 - HARDWOOD MULCH PATH
1 1/2" = 1'-0" P-20.199-68



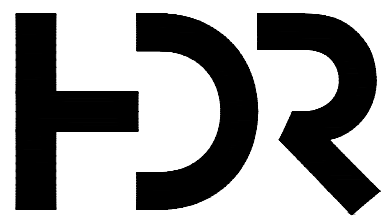
2 DETAIL - PAVING TYPE 12 - ENGRAVED GRANITE UNIT PAVERS
1" = 1'-0" P-20.199-200



1 DETAIL - PAVING TYPE 03 - CONCRETE PAVING
1" = 1'-0" P-20.199-200



MINNEHAHA CREEK
WATERSHED DISTRICT



DF/ DAMON FARBER
LANDSCAPE ARCHITECTS
401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p. 612.332.7522

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PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112
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DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - PAVING, CURBING, AND
EDGING



FILENAME
SCALE AS SHOWN

SHEET
L500

1

2

3

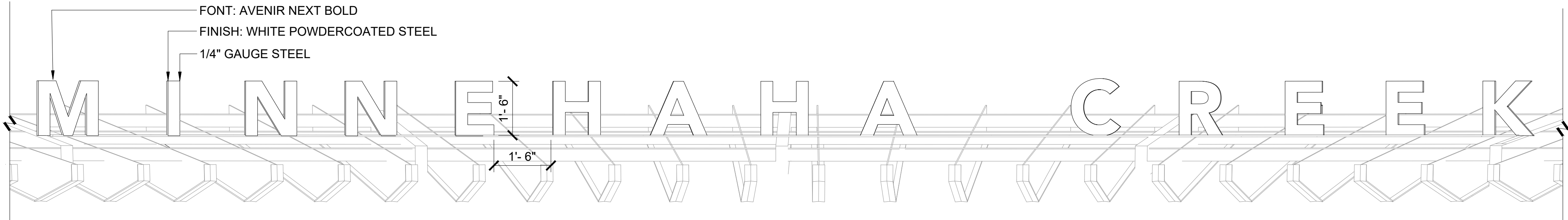
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5

6

7

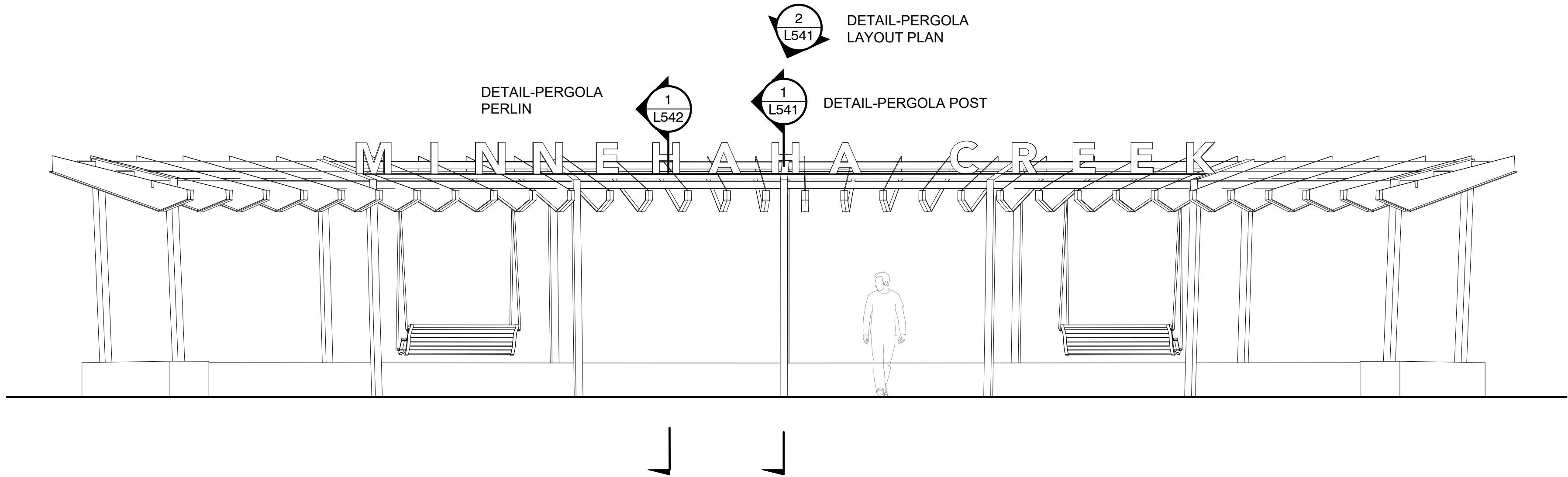
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3
1/2" = 1'-0"

DETAIL- PERGOLA LETTERING

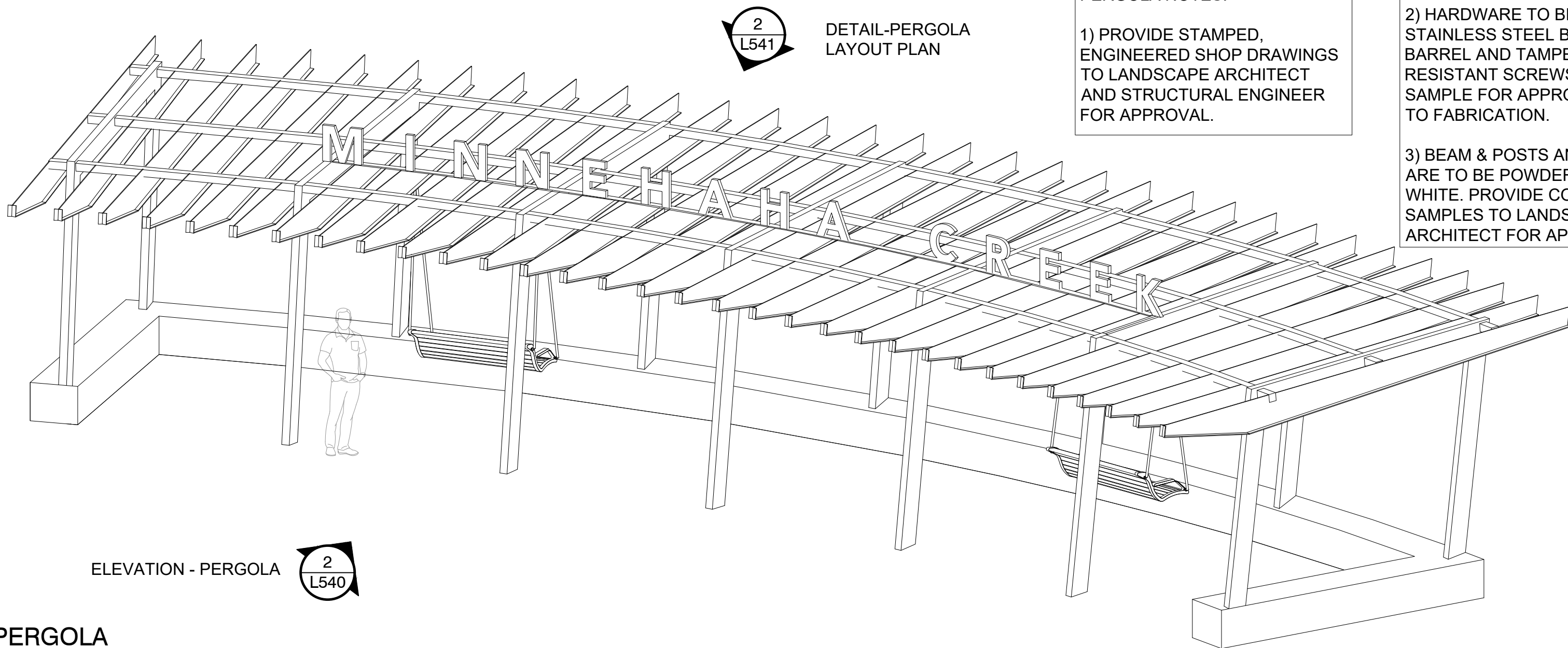
P-20.199-236



2
1/4" = 1'-0"

ELEVATION - PERGOLA

P-20.199-165



PERGOLA NOTES:

1) PROVIDE STAMPED, ENGINEERED SHOP DRAWINGS TO LANDSCAPE ARCHITECT AND STRUCTURAL ENGINEER FOR APPROVAL.

2) HARDWARE TO BE STAINLESS STEEL BINDING BARREL AND TAMPER RESISTANT SCREWS. PROVIDE SAMPLE FOR APPROVAL PRIOR TO FABRICATION.

3) BEAM & POSTS AND PURLINS ARE TO BE POWDERCOAT WHITE. PROVIDE COLOR SAMPLES TO LANDSCAPE ARCHITECT FOR APPROVAL.

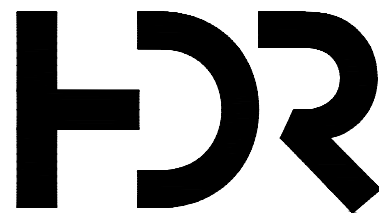
1
1/4" = 1'-0"

AXON-PERGOLA

P-20.199-166



MINNEHAHA CREEK
WATERSHED DISTRICT



401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p: 612.332.7522

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PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

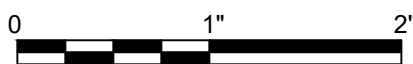
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

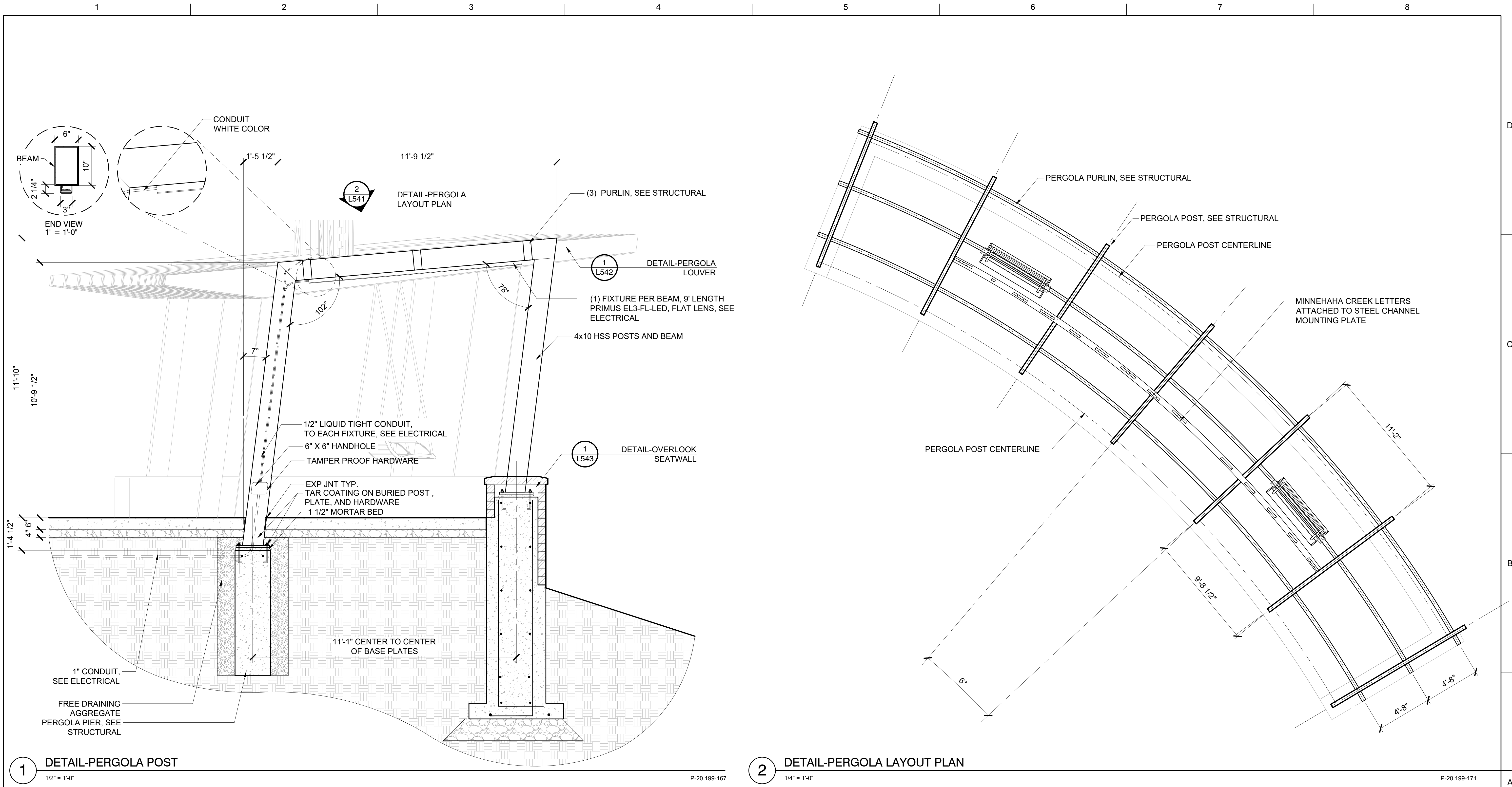
MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - PERGOLA



FILENAME
SCALE AS SHOWN

SHEET
L540



NOTES:
CONTRACTOR TO PROVIDE ENGINEERED, STAMPED SHOP DRAWINGS



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PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER 10268112

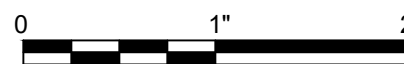
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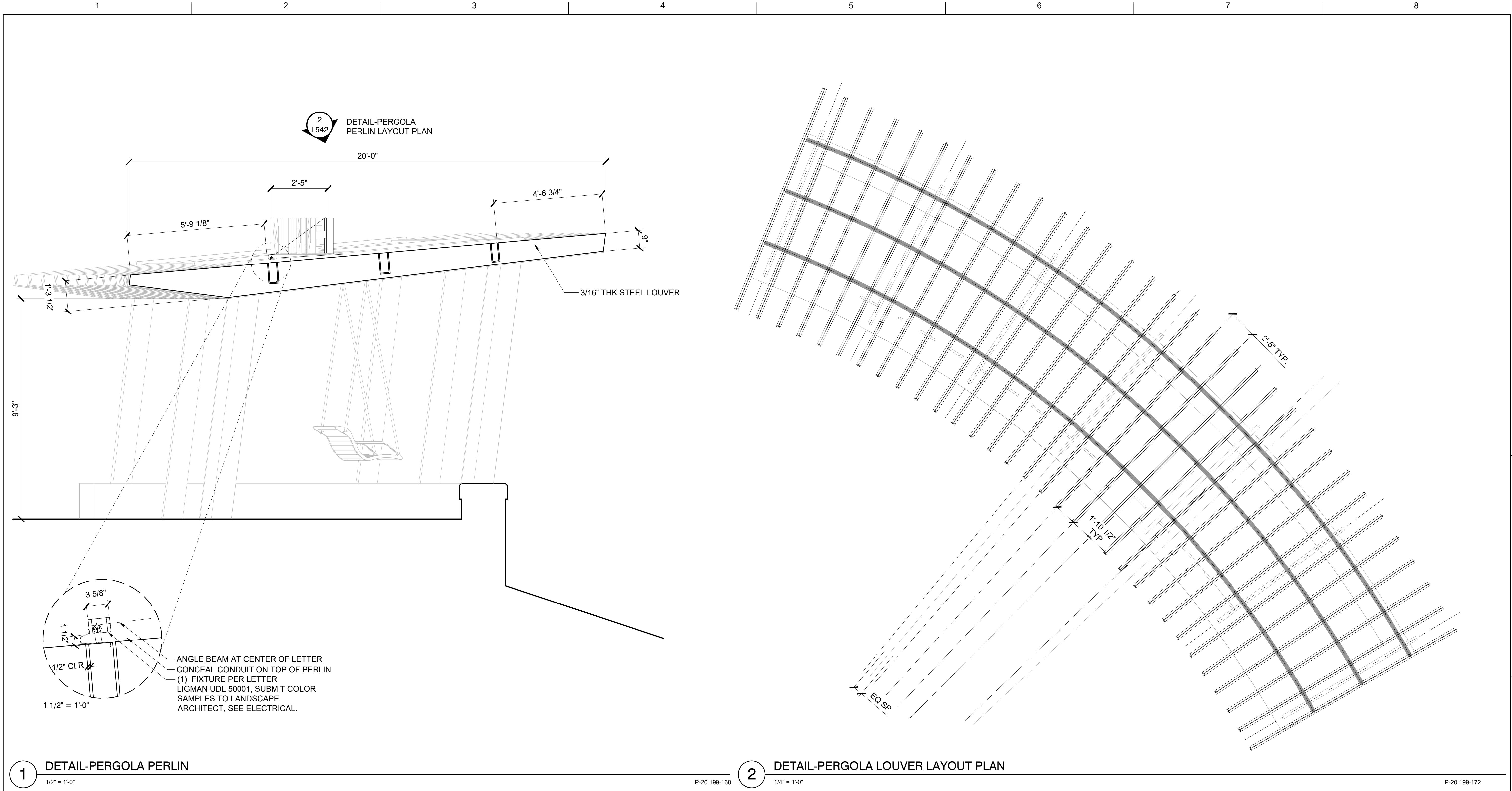
MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - PERGOLA



FILENAME
SCALE AS SHOWN

SHEET
L541



1 DETAIL-PERGOLA PERLIN
1/2" = 1'-0"

2 DETAIL-PERGOLA LOUVER LAYOUT PLAN
1/4" = 1'-0"



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JEFF MCMENIMEN, PLA

DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

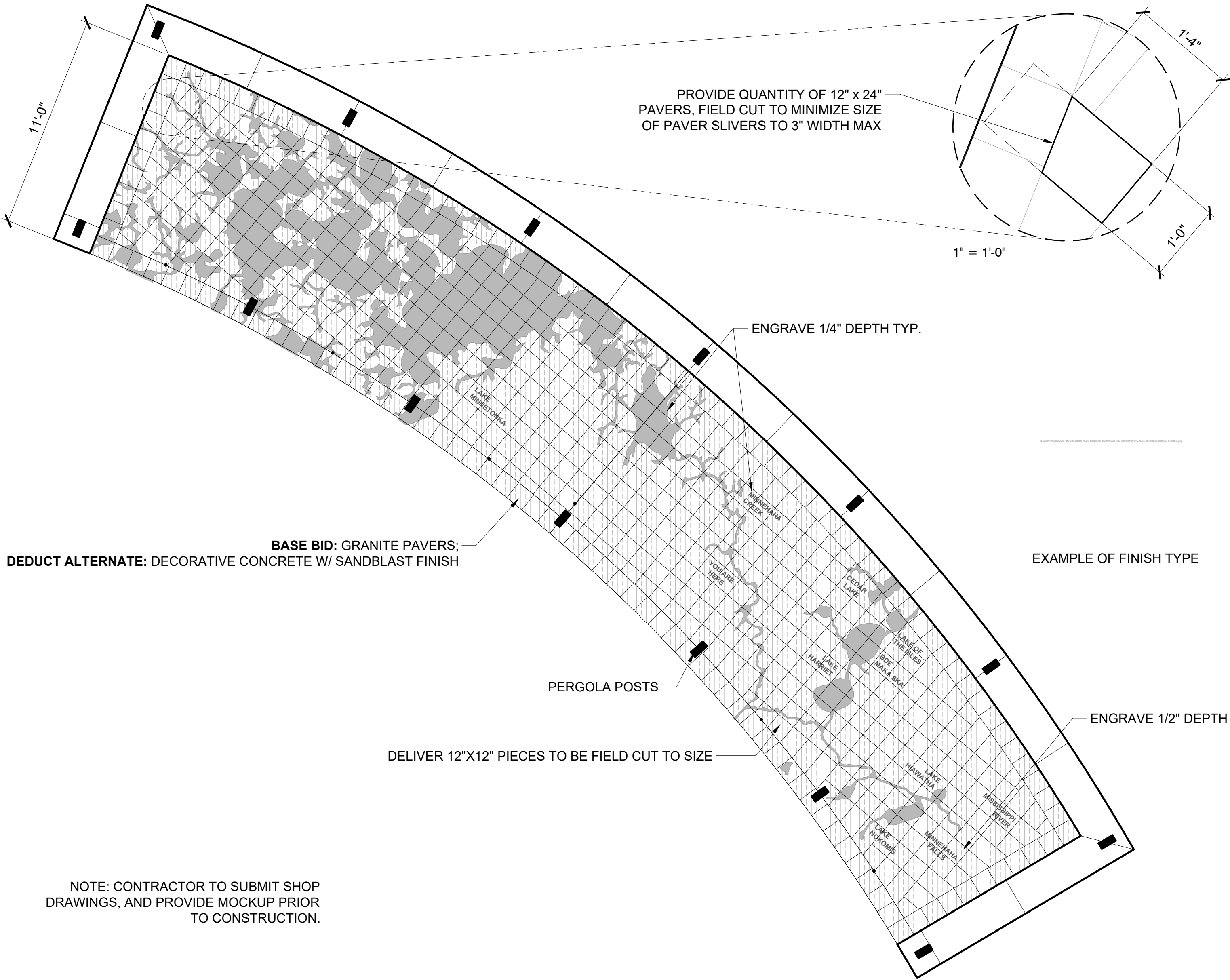
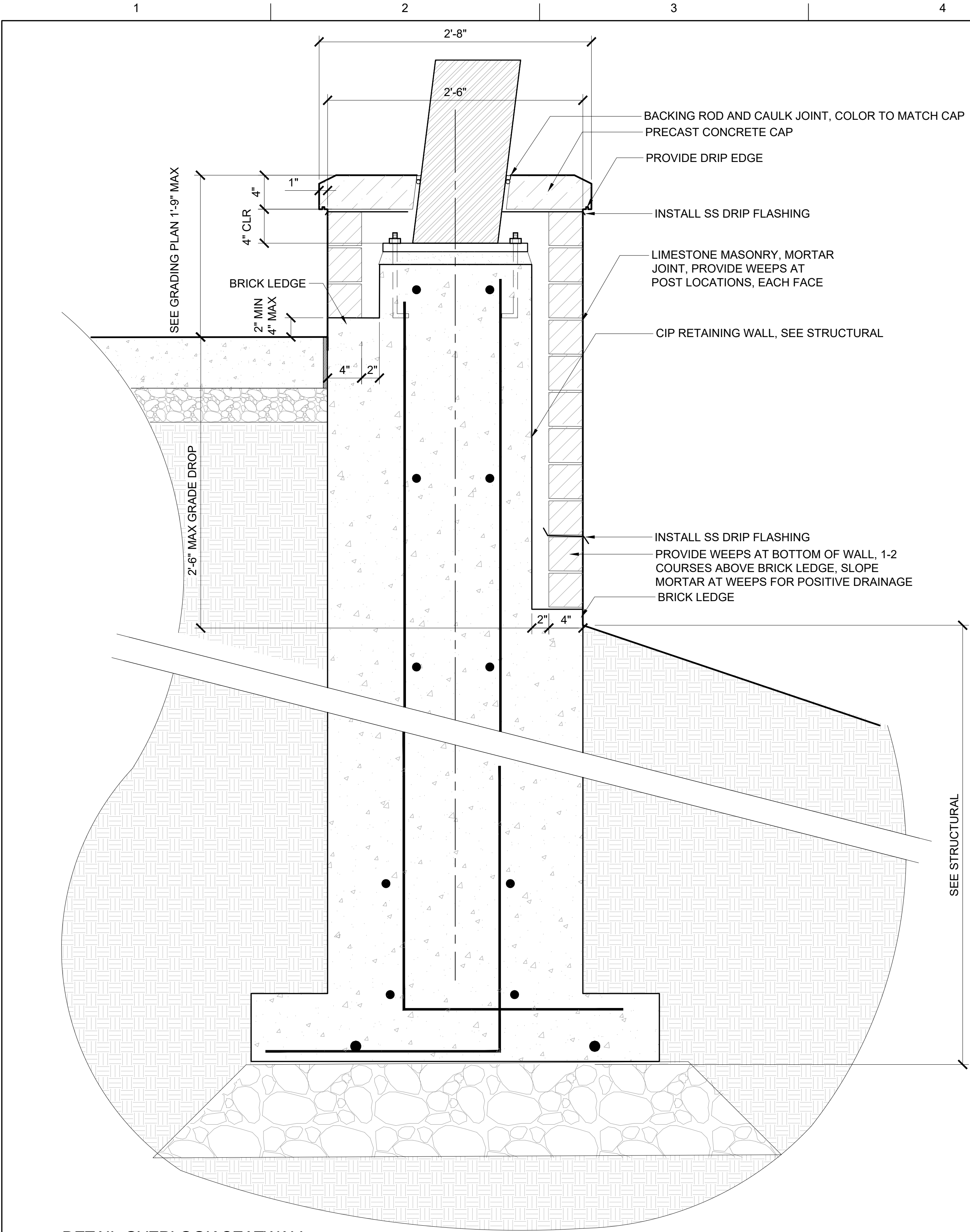
LANDSCAPE DETAILS - PERGOLA

0 1" 2"

FILENAME

SCALE AS SHOWN

SHEET L542



1 DETAIL-OVERLOOK SEATWALL

1 1/2" = 1'-0"

P-20.199-169

2 DETAIL-OVERLOOK PAVING PLAN (BASE BID)

1/4" = 1'-0"

P-20.199-170



ISSUE	DATE	DESCRIPTION
C	03/28/2023	100% DESIGN
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A	06/13/2022	PFA GRANT PACKAGE

PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

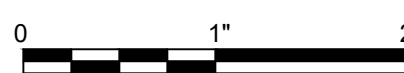
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - PERGOLA



FILENAME
SCALE AS SHOWN

SHEET
L543

1

2

3

4

5

6

7

8

D

C

B

A

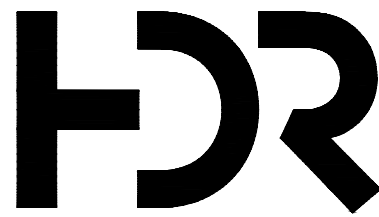


1 DETAIL-OVERLOOK PAVING PLAN (DEDUCT ALTERNATE)
1/4" = 1'-0"

P-20.199-229



MINNEHAHA CREEK
WATERSHED DISTRICT



401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p: 612.332.7522

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B	09/14/2022	90% DESIGN
A	06/13/2022	PFA GRANT PACKAGE

PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

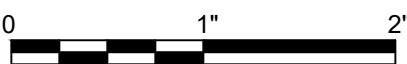
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

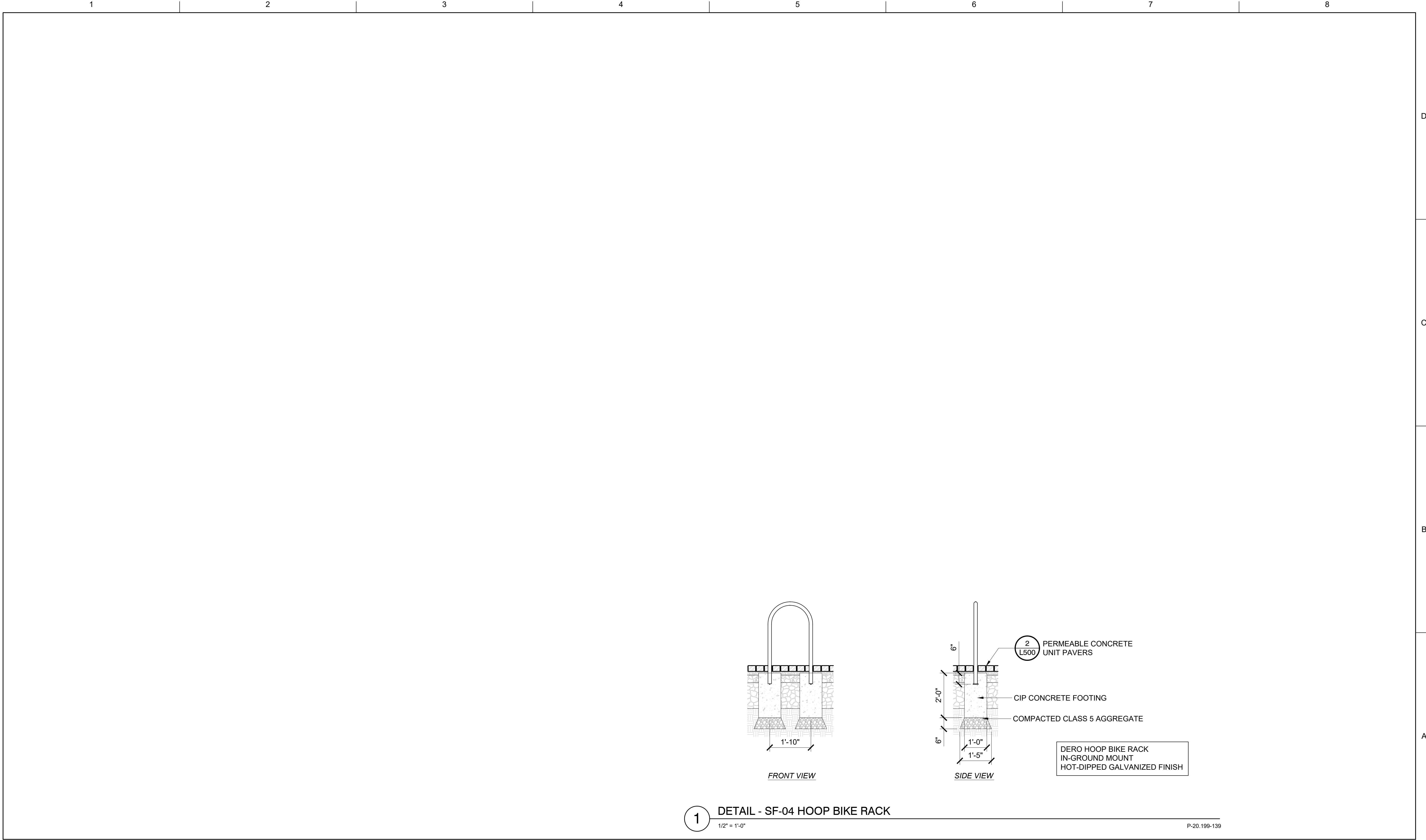
MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - PERGOLA



FILENAME
SCALE AS SHOWN

SHEET
L544



1 DETAIL - SF-04 HOOP BIKE RACK

1/2" = 1'-0"

P-20.199-139

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DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

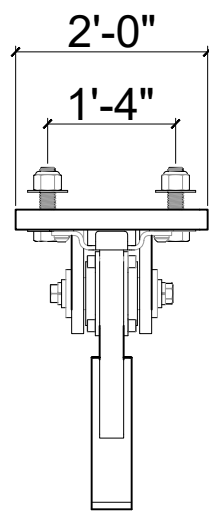
LANDSCAPE DETAILS - SITE FURNISHINGS



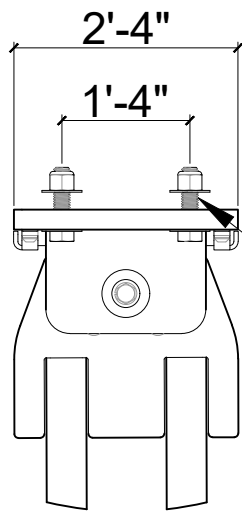
FILENAME
SCALE AS SHOWN

SHEET
L562

THE CONNECTION HARDWARE WILL BE PROVIDED BY
LANDSCAPEFORMS: (4X Ø1/2-13 A325 GALVANIZED BOLTS)

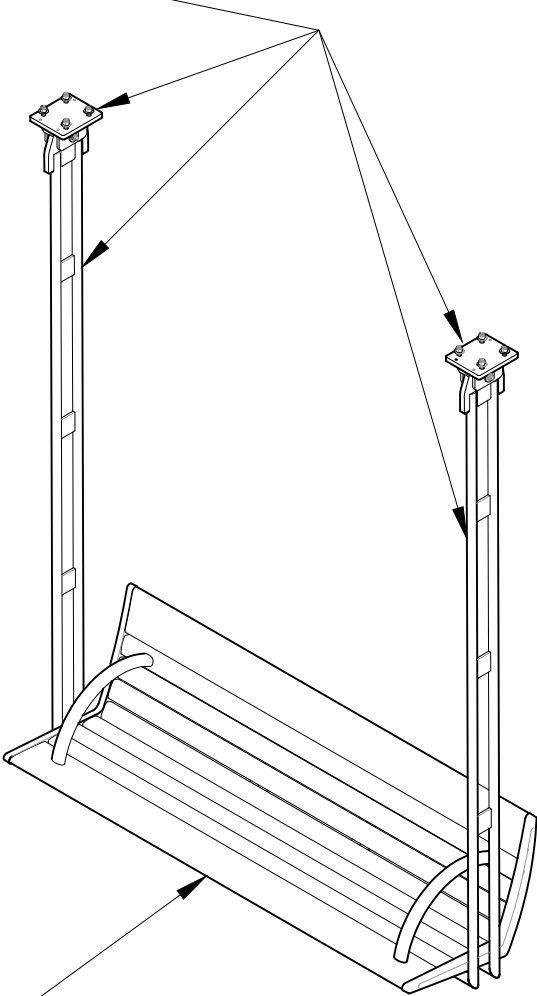


DETAIL A - VERTICAL BOLT CLAMP
SCALE: N/A

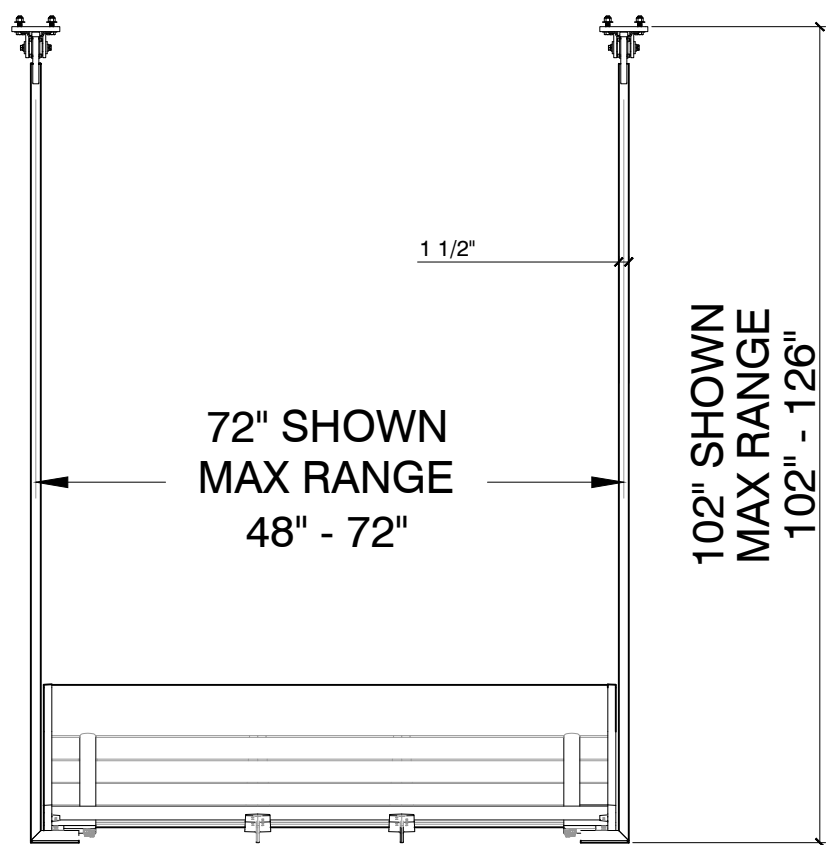
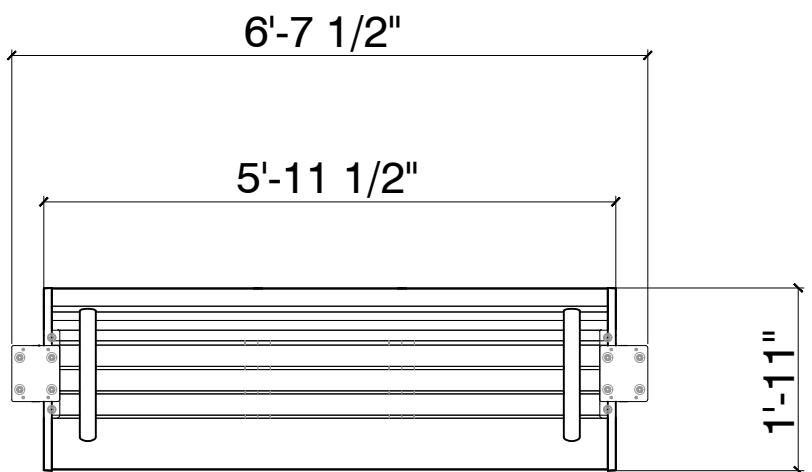


4X Ø1/2-13
A325 BOLTS

AUSTIN SWING BENCH
SUSPENSION KIT
(AUSPECC) **SOLD
SEPARATELY FROM
SWING BENCH**

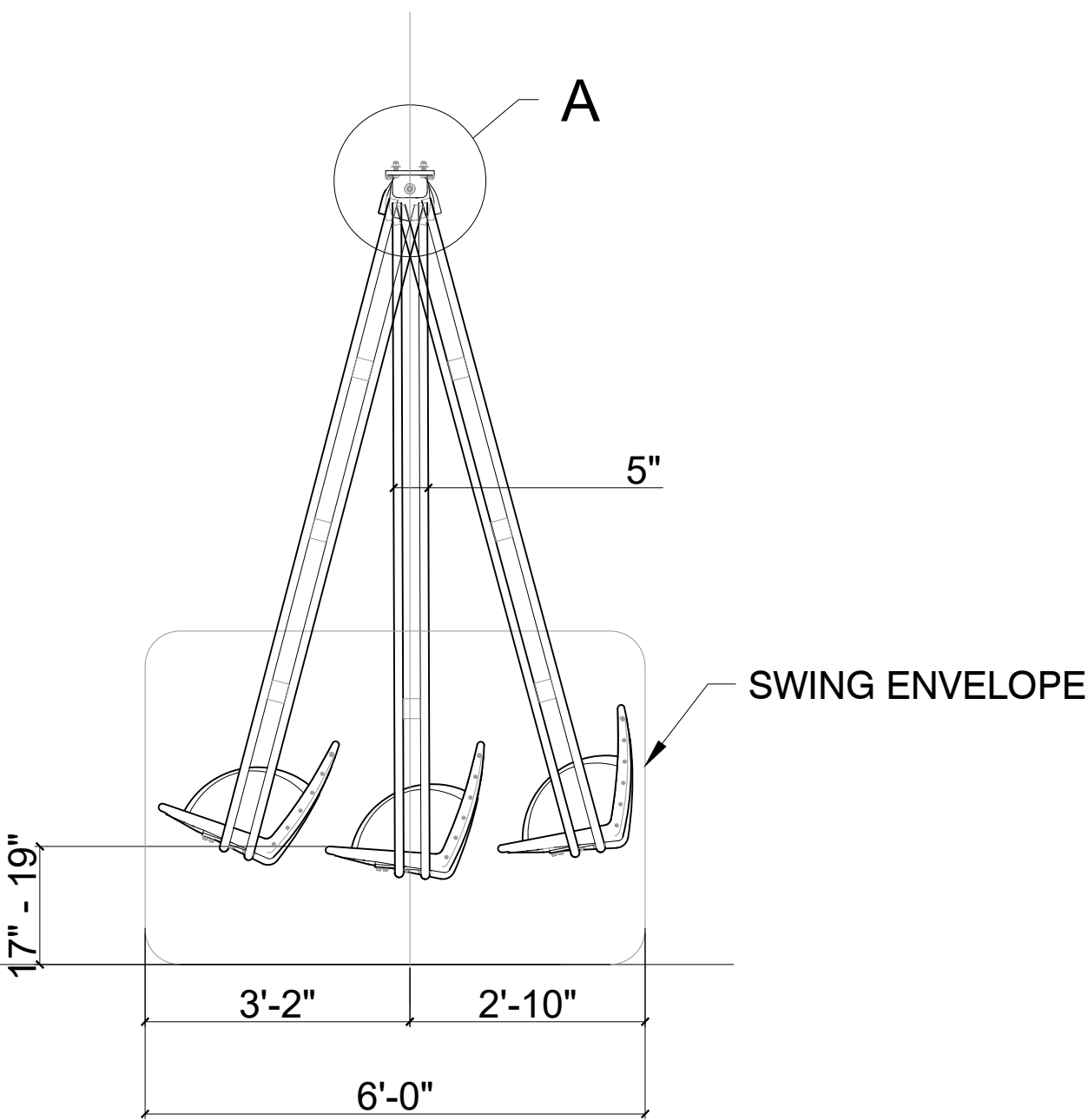


WOOD INSERT WITH END
ARMS, SEE SPECS



GRADE

Landscape Forms - Austin Swing Bench, 48" - 72" backed, end arms,
aluminum/wood seating. 102" - 126" Suspension Hangers with Vertical
Bolt (C) Clamps



SWING ENVELOPE

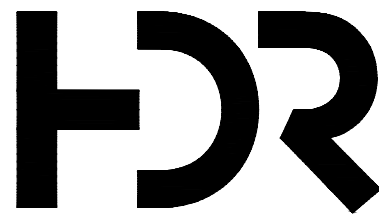
1 DETAIL-SWING BENCH

1/2" = 1'-0"

P-20.199-185



MINNEHAHA CREEK
WATERSHED DISTRICT



401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p: 612.332.7522

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PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

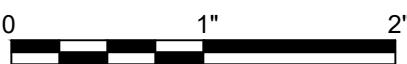
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PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS
OF THE STATE OF MINNESOTA.

DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

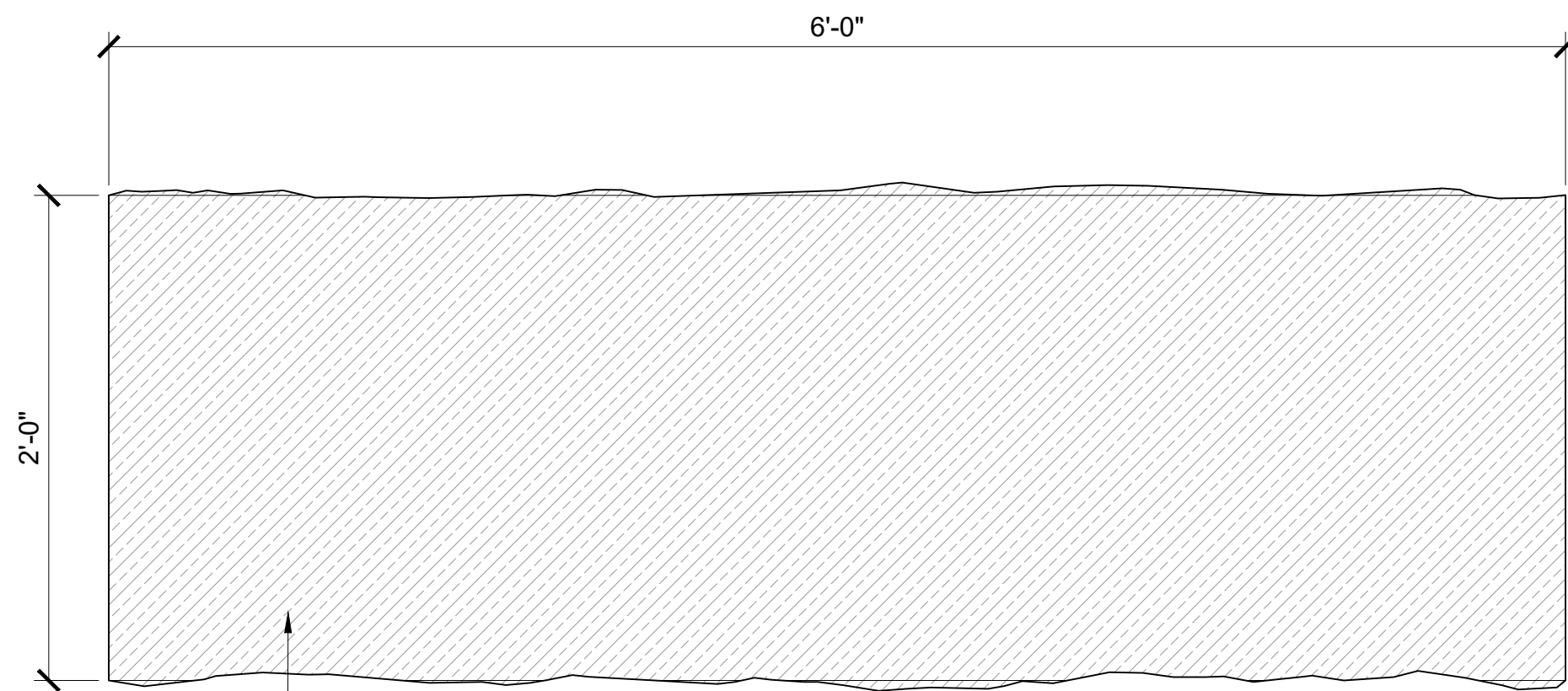
MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - SITE FURNISHINGS



FILENAME
SCALE AS SHOWN

SHEET
L563

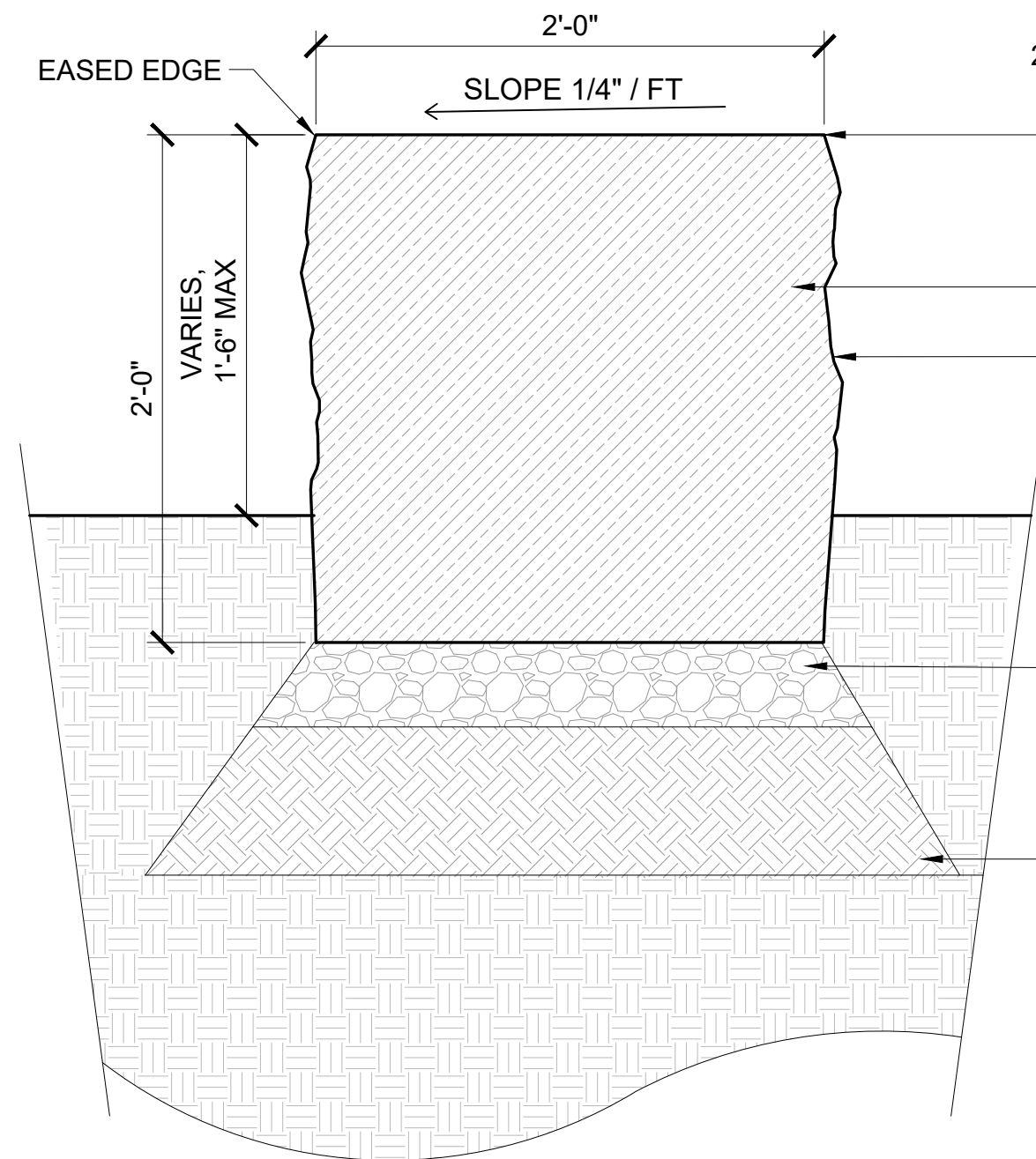


PLAN

SAWN CUT TOP AND BOTTOM OF BENCH

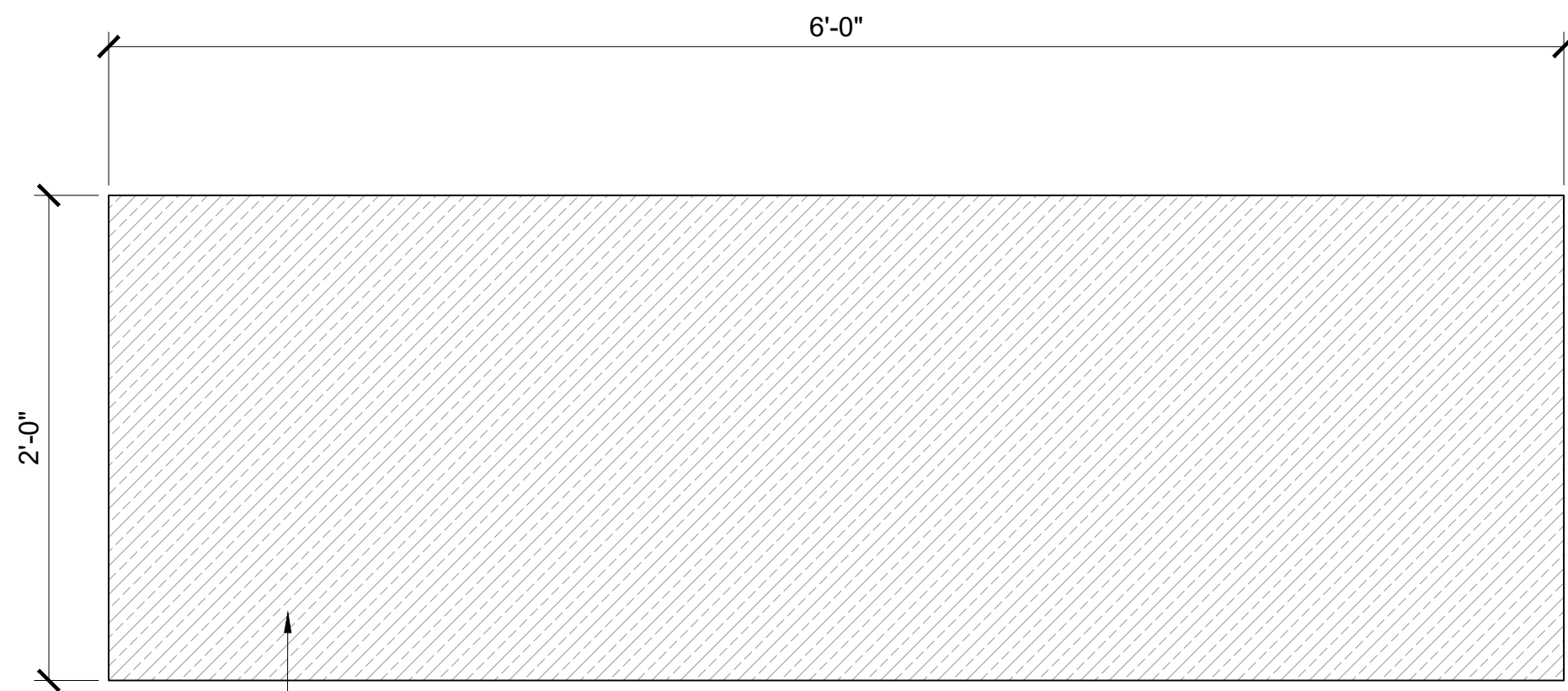
NOTES:

1. ALL BLOCKS TO BE INSTALLED STABLE AND SECURELY AND SHALL NOT WOBBLE OR MOVE.
2. REFER TO PLANS FOR WALL LAYOUT



SECTION

1 DETAIL - SF-09A LIMESTONE BLOCK BENCH ON AGGREGATE - SPLIT FACE
1 1/2" = 1'-0"

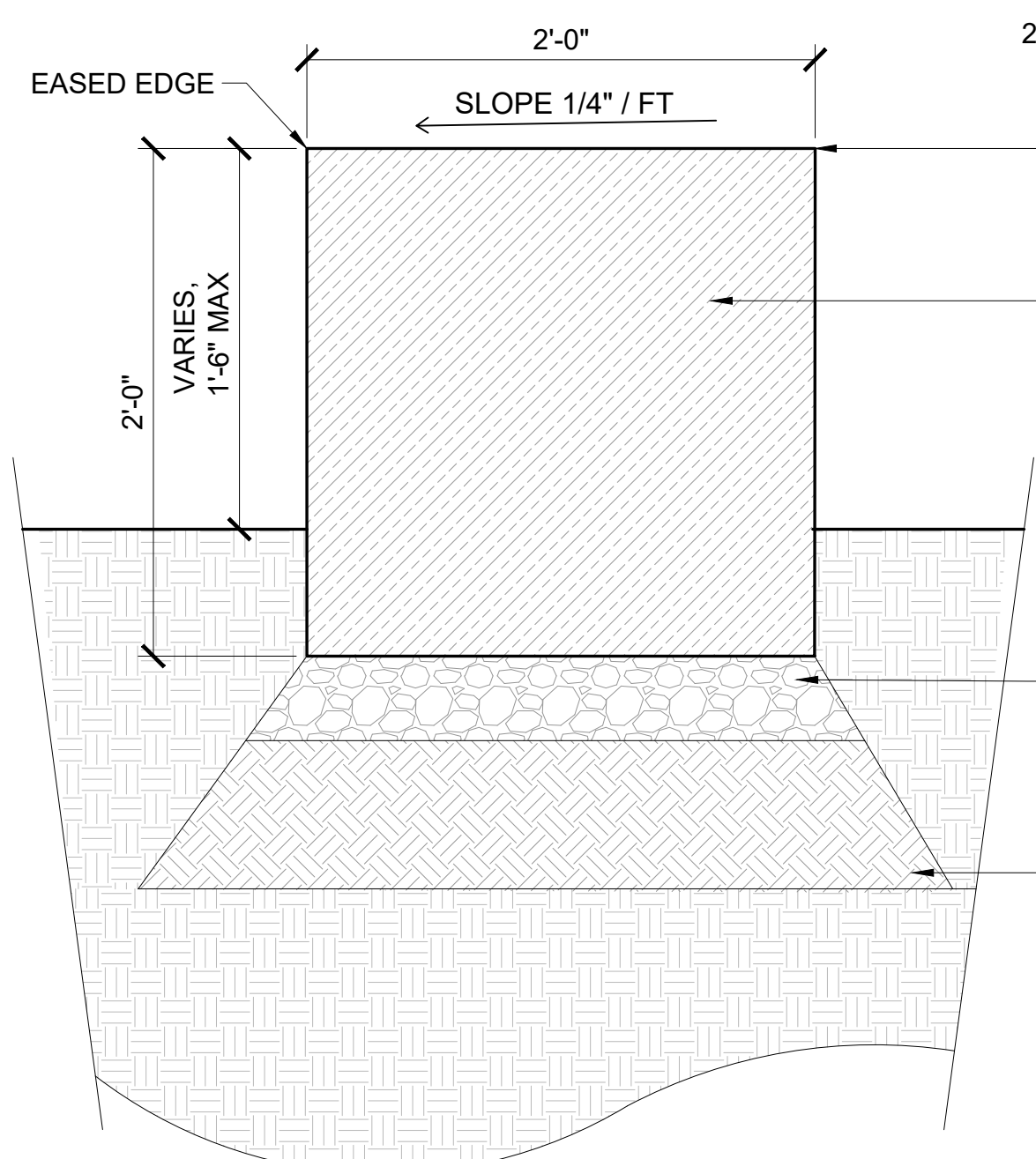


PLAN

SAWN CUT ALL SIDES OF BENCH

NOTES:

1. ALL BLOCKS TO BE INSTALLED STABLE AND SECURELY AND SHALL NOT WOBBLE OR MOVE.
2. REFER TO PLANS FOR WALL LAYOUT

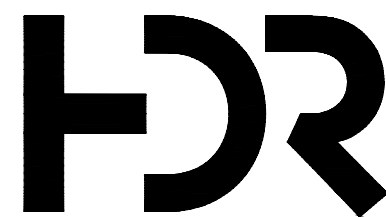


SECTION

2 DETAIL - SF-09C LIMESTONE BLOCK BENCH ON AGGREGATE - SAWN FACE
1 1/2" = 1'-0"



MINNEHAHA CREEK
WATERSHED DISTRICT



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Minneapolis, MN 55401 p: 612.332.7522

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PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112
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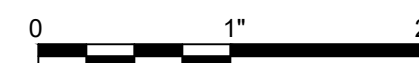
I HEREBY CERTIFY THAT THIS PLAN, SPECIFICATION, OR REPORT WAS PREPARED BY OR UNDER MY DIRECT SUPERVISION AND THAT I AM A DULY LICENSED PROFESSIONAL LANDSCAPE ARCHITECT UNDER THE LAWS OF THE STATE OF MINNESOTA.

DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - SITE FURNISHINGS

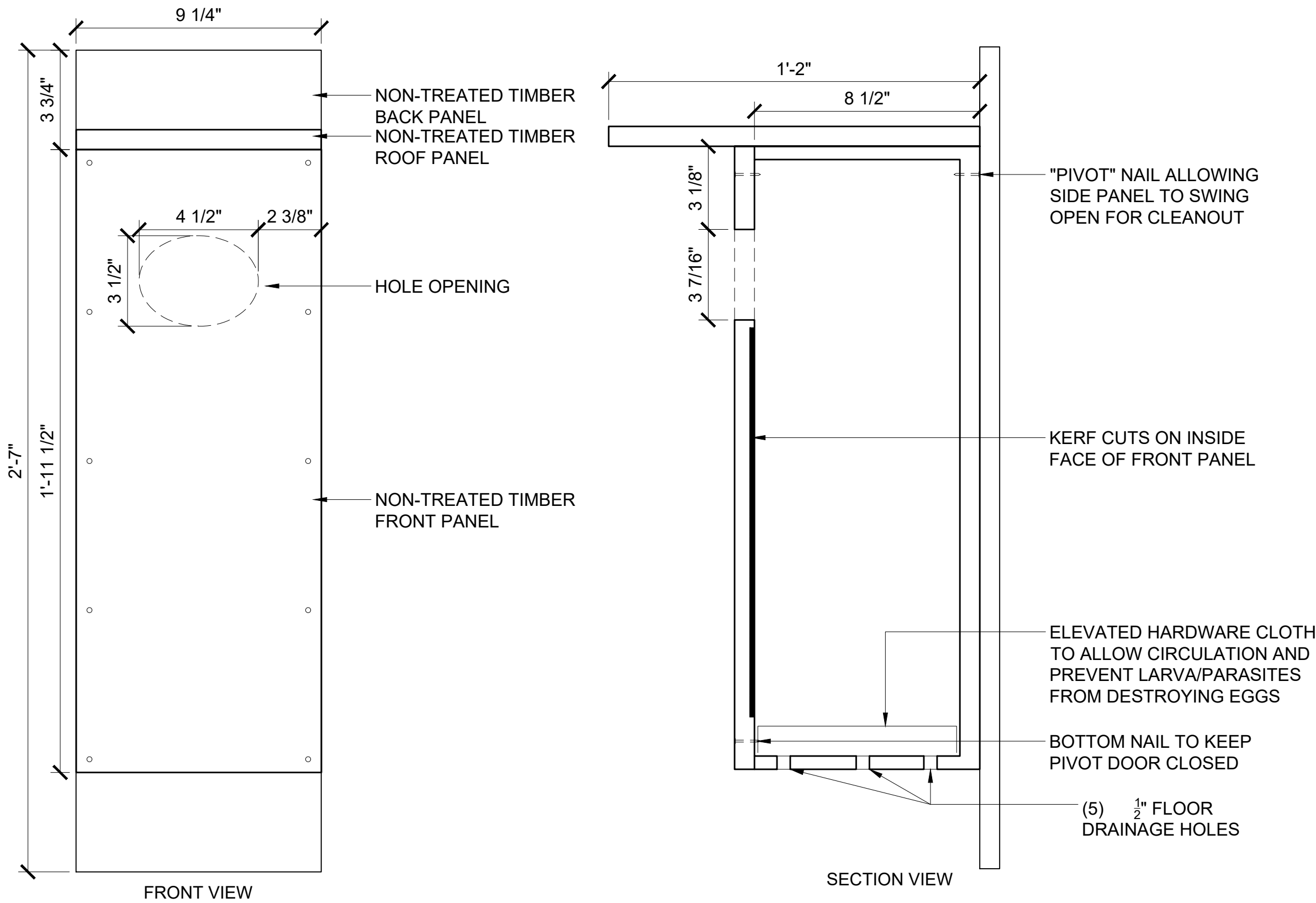


SCALE AS SHOWN

SHEET
L564

NOTES:

- 1. DO NOT USE TREATED WOOD OR PLYWOOD
- 2. DO NOT USE OIL-BASED PAINTS OR STAINS. USE NONTOXIC WOOD PRESERVATIVE OR NEUTRAL COLORED PAINT. DO NOT APPLY FINISH INSIDE BOX.
- 3. PLACE 4"-6" OF WOOD SHAVINGS IN BOTTOM OF BOX. DO NOT USE SAWDUST.
- 4. CLEAN OUT BOX EVERY EVERY FALL SEASON AND REPLACE WITH NEW NESTING MATERIALS.



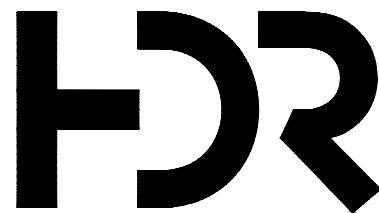
1 DETAIL - AM-07 WOOD DUCK BOX

3" = 1'-0"

P-20.199-217



MINNEHAHA CREEK
WATERSHED DISTRICT



DF/ DAMON FARBER
LANDSCAPE ARCHITECTS
401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p: 612.332.7522

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PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

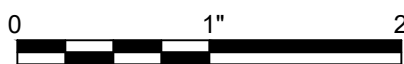
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DATE XX/XX/XXXX LICENSE # 43941

415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

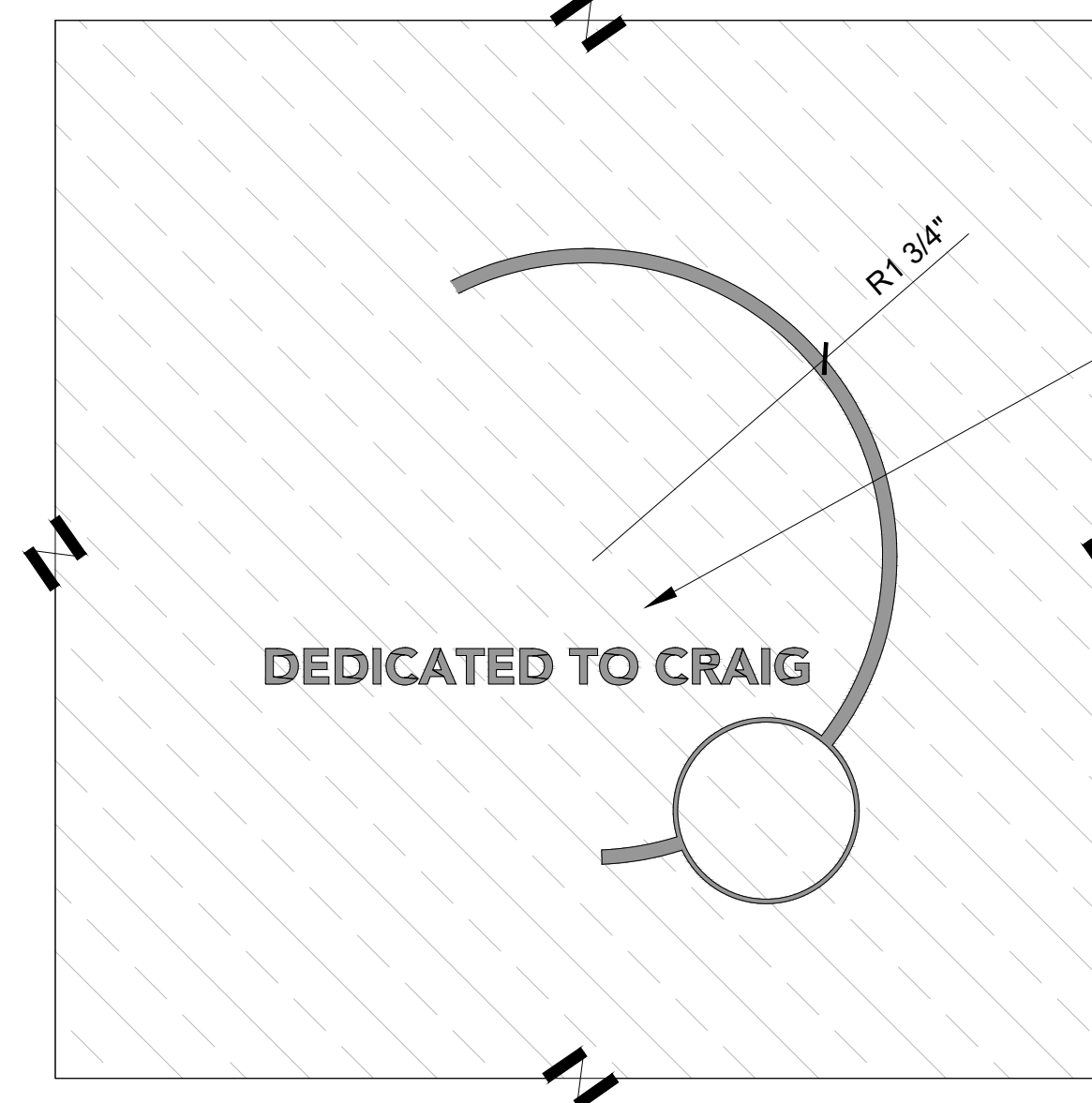
LANDSCAPE DETAILS - AMENITY



FILENAME
SCALE AS SHOWN

SHEET
L582

NOTE: CONTRACTOR TO PROVIDE SHOP
DRAWINGS TO LANDSCAPE ARCHITECT FOR
APPROVAL PRIOR TO FABRICATION.



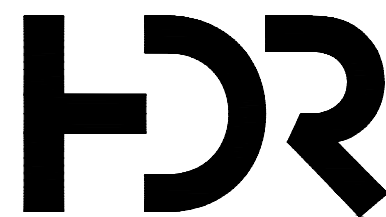
— 1/4" DEPTH ENGRAVING
TO RECEIVE BLACK
COLOR INFILL

1

DETAIL - STONE ENGRAVING

$$1'' = 1''$$

P-20.199-221

**MINNEHAHA CREEK
WATERSHED DISTRICT**

**DF/ DAMON FARBER
LANDSCAPE ARCHITECTS**
401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p: 612.332.7522

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ISSUE	DATE	DESCRIPTION

PROJECT MANAGER	ANDREW F. JUDD
PROJECT NUMBER	10268112

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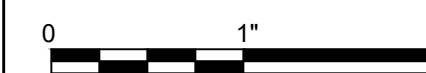
JEFF MCMENIMEN, PLA

DATE	XX/XX/XXXX	LICENSE #	43941
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415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - AMENITY



FILE NAME

SCALE

AS SHOWN

| SHEET

L583

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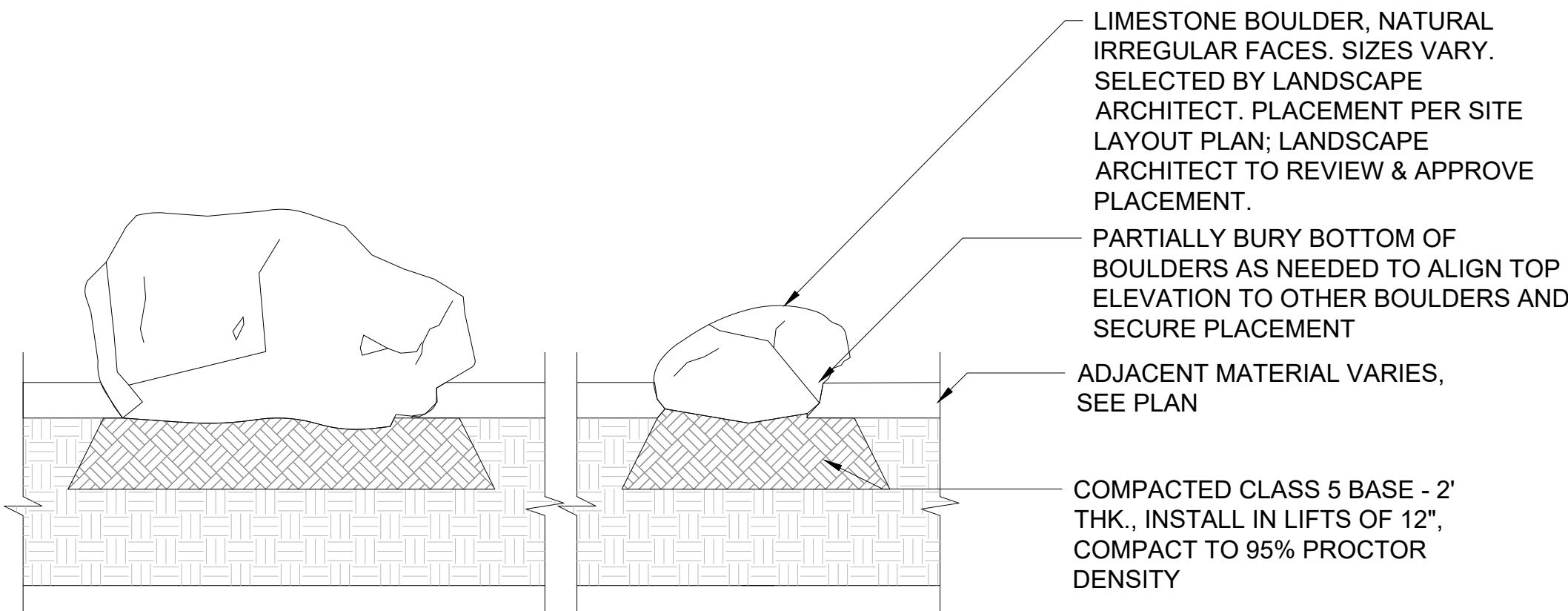
8

D

C

B

A



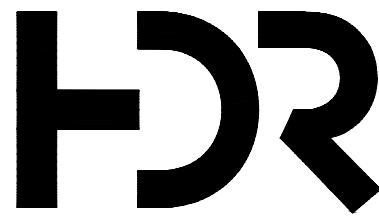
1 DETAIL - RO-01 LANDSCAPE BOULDER

NTS

P-20.199-38



MINNEHAHA CREEK
WATERSHED DISTRICT



DF/ DAMON FARBER
LANDSCAPE ARCHITECTS
401 North 2nd Avenue, Suite 410
Minneapolis, MN 55401 p: 612.332.7522

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PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112

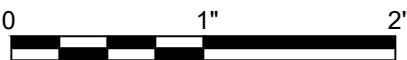
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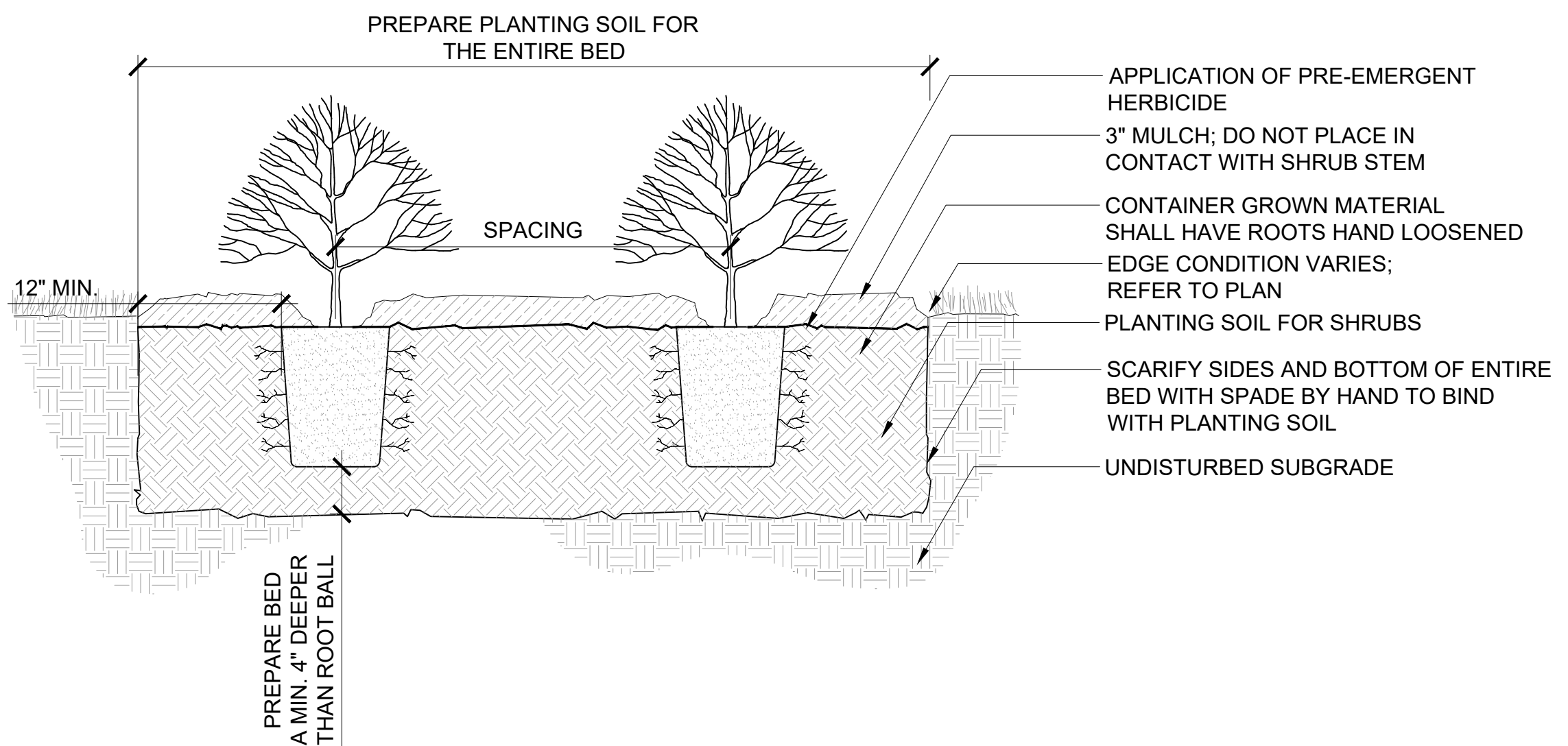
MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - AMENITY



FILENAME
SCALE AS SHOWN

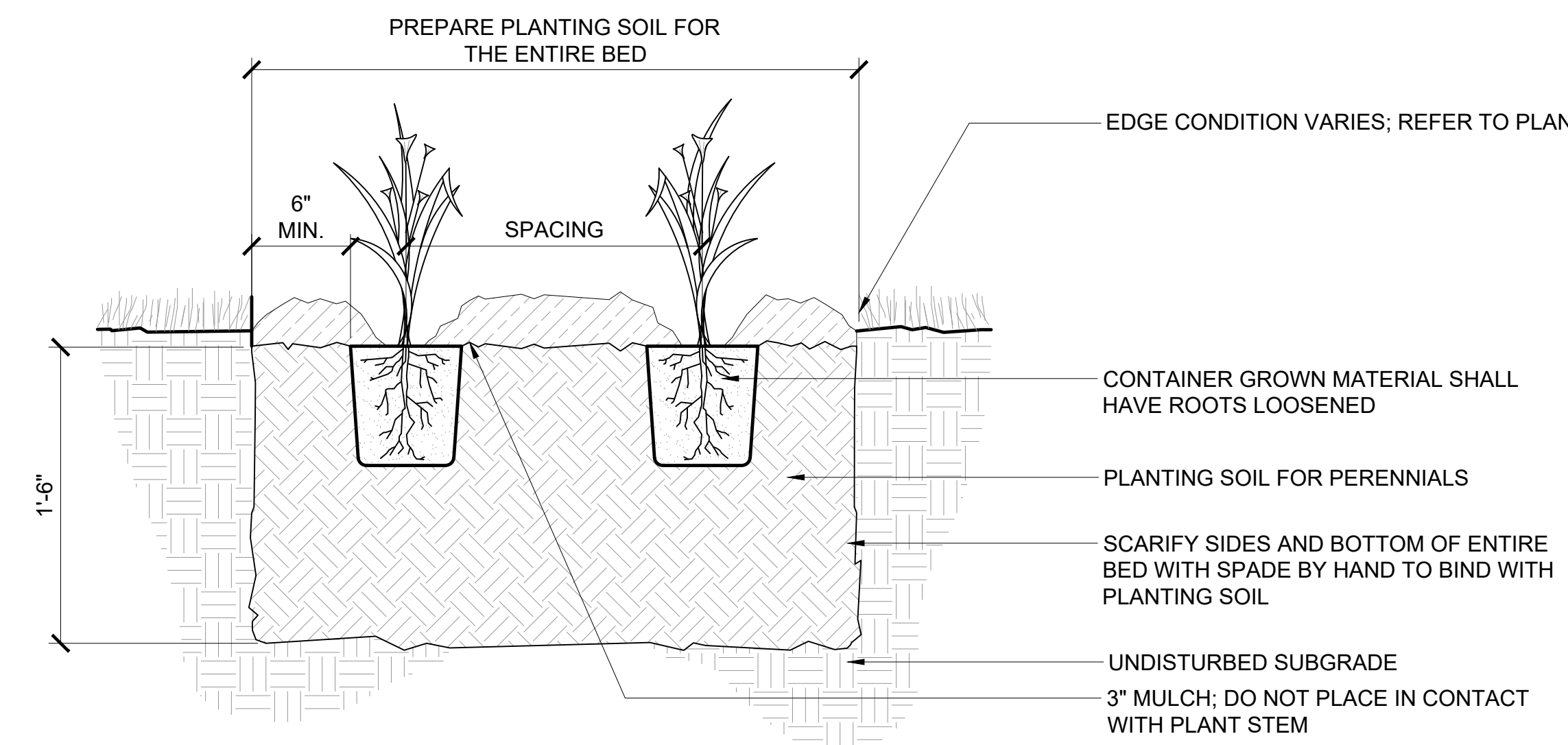
SHEET
L584



3 DETAIL - SHRUB PLANTING

1" = 1'-0"

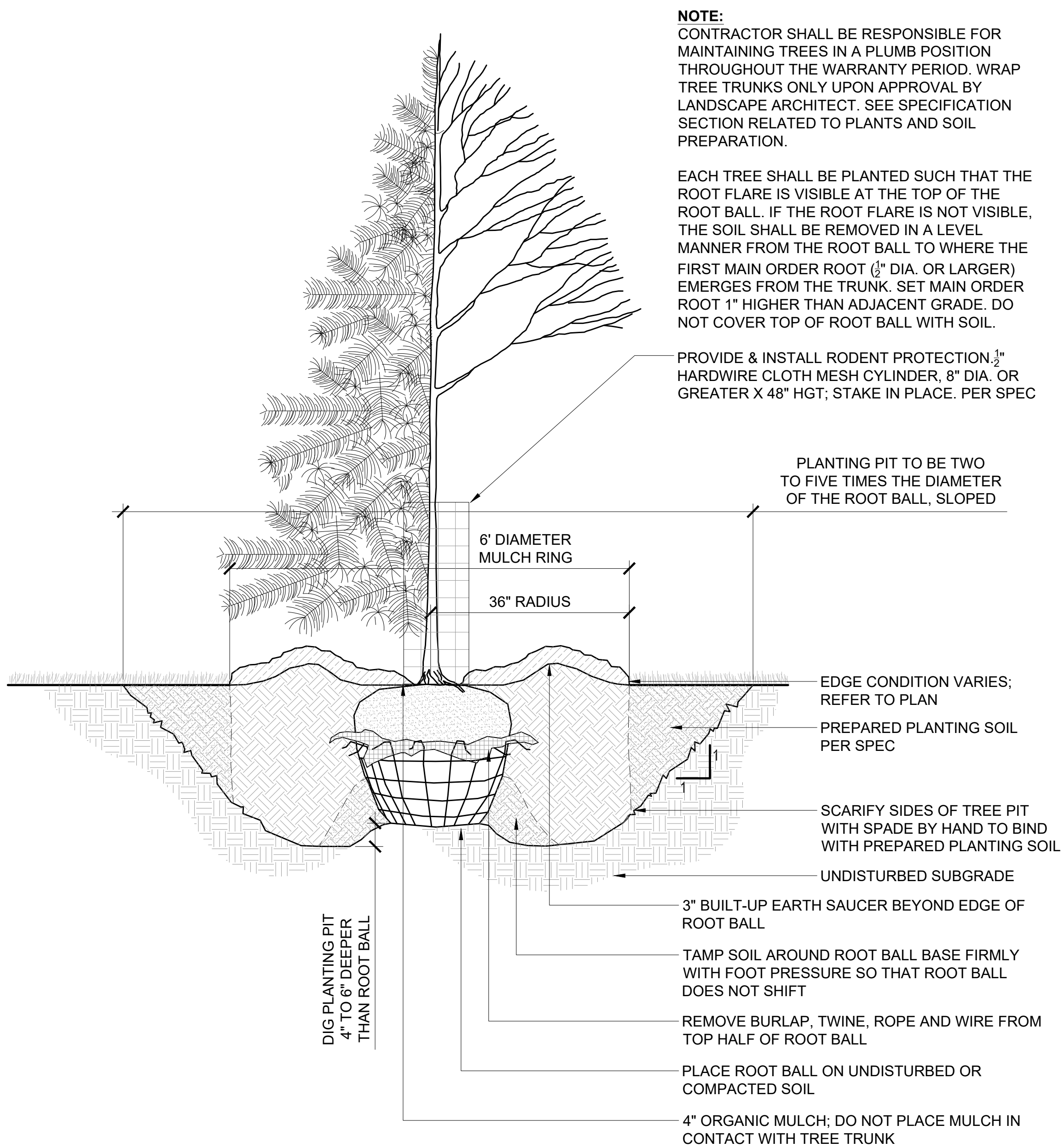
P-20.199-08



2 DETAIL - PERENNIAL PLANTING

1 1/2" = 1'-0"

P-20.199-06



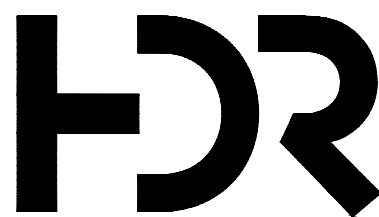
1 DETAIL - TREE PLANTING

3/4" = 1'-0"

P-20.199-05



MINNEHAHA CREEK
WATERSHED DISTRICT



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LANDSCAPE ARCHITECTS
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PROJECT MANAGER ANDREW F. JUDD

PROJECT NUMBER	10268112
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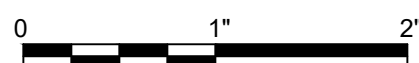
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415 BLAKE RD GATEWAY TO THE GREENWAY

MINNEHAHA CREEK WATERSHED DISTRICT
325 BLAKE RD
HOPKINS, MN 55343

LANDSCAPE DETAILS - PLANTING



FILENAME
SCALE AS SHOWN

SHEET
L590