

LAKE NOKOMIS PICKLEBALL COURTS

PREPARED FOR:
MINNEAPOLIS PARK AND RECREATION BOARD

OWNER:
MINNEAPOLIS PARKS AND RECREATION BOARD
2117 WEST RIVER RD. N.
MINNEAPOLIS, MN 55411

OWNER'S PROJECT REPRESENTATIVE:
CHRIS DESROCHES
(612) 313-7717
CDESROCHES@MINNEAPOLISPARKS.ORG

PROJECT LOCATION:
LAKE NOKOMIS COMMUNITY CENTER
2401 E MINNEHAHA PARKWAY
MINNEAPOLIS, MN 55417



LOCATION MAP

SHEET INDEX

1	COVER SHEET
2	EXISTING CONDITIONS SURVEY
3	TRAFFIC CONTROL PLAN
4	REMOVALS, EROSION & SEDIMENT CONTROL PLAN
5	SITE PLAN
6	GRADING AND DRAINAGE PLAN
7	TURF RESTORATION PLAN
8-12	DETAILS

GENERAL NOTES

CONTRACTOR SHALL DETERMINE LOCATION OF EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR PRESERVING THESE. ANY REPAIRS NECESSARY DUE TO CONTRACTORS OPERATIONS SHALL BE MADE AT CONTRACTORS EXPENSE. BEFORE DIGGING CALL: GOPHER STATE ONE CALL (651) 454-0002.

THE SUBSURFACE UTILITY INFORMATION IN THIS PLAN IS UTILITY QUALITY LEVEL "C". THIS UTILITY QUALITY LEVEL WAS DETERMINED ACCORDING TO THE GUIDELINES OF DEPICTION OF EXISTING SUBSURFACE UTILITY DATA."

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 Landscape Architect under the laws of the State of Minnesota.

William Delaney

WILLIAM DELANEY
LIC. NO. 40252 DATE: 04-20-2022

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.

Adam Pawelk

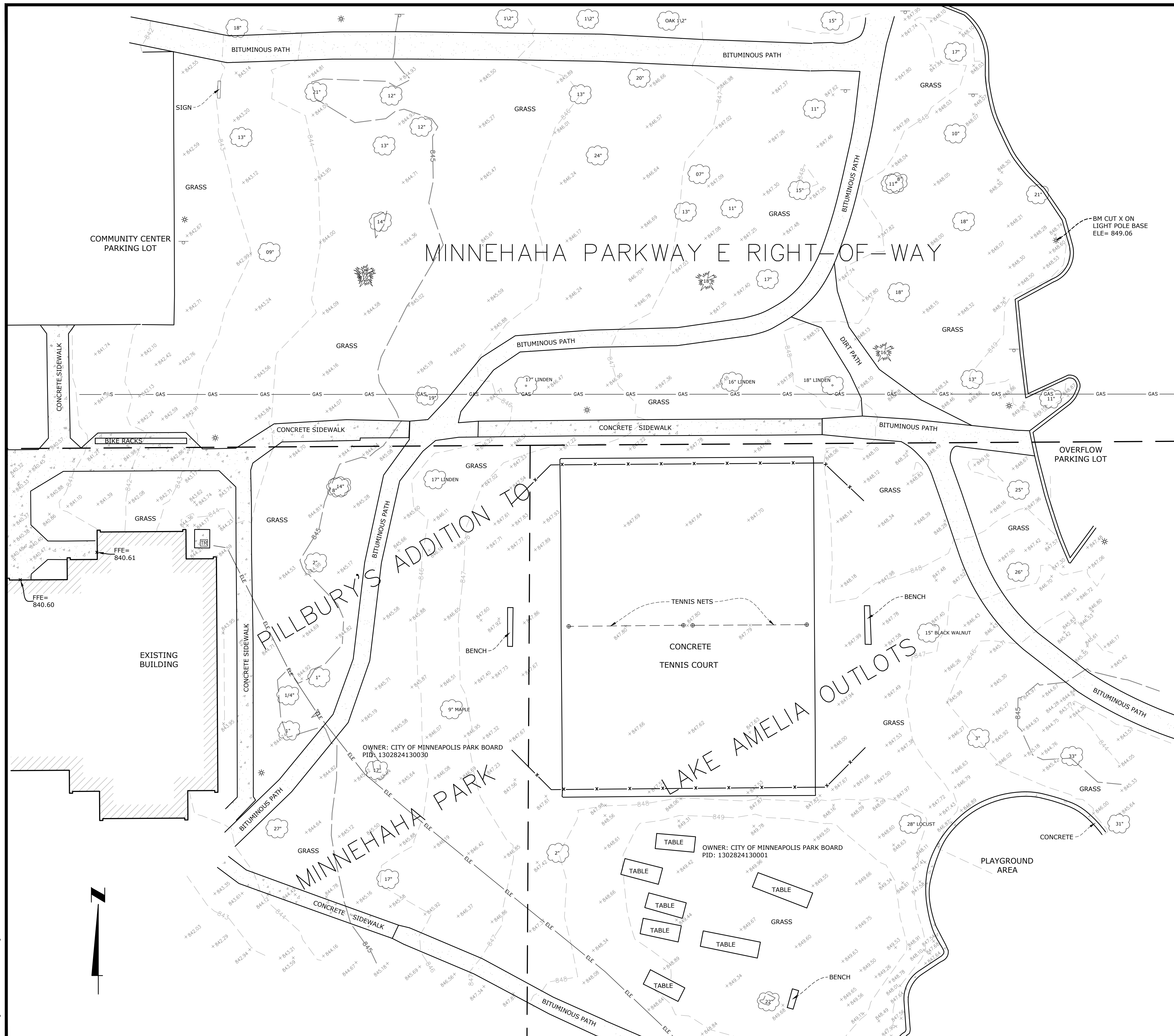
ADAM PAWELK
LIC. NO. 49990 DATE: 04-20-2022



NO.	DATE	ISSUES / REVISIONS
1	04-20-2022	PDR SUBMITTAL
2	05-17-2022	BID SUBMITTAL

SHEET
1
OF
12

FILE: P:\2021\21-057 - MPRB Master Contract - Engineering\Task 1 - Nokomis Pickleball Courts\CADD\DWG\PLANSHEET\SSURVEY\21-057.1_SUR_SITE.dwg LAYOUT: SUR
 USER: jmb
 DATE: May 17, 2022 2:52pm
 USER: jmb
 DATE: May 17, 2022 2:52pm
 USER: jmb
 DATE: May 17, 2022 2:52pm



PROPERTY DESCRIPTION

Part of Block 8 of Pillsbury's Addition to Minnehaha Park, and part of Lot 7 of Lake Amelia Outlots, of Hennepin County, Minnesota.

GENERAL SURVEY NOTES

1. THE SURVEY DATA IS BASED ON THE HENNEPIN COUNTY COORDINATE SYSTEM (NAD83-86 ADJ).
2. THIS SURVEY WAS PREPARED FOR THE PURPOSE OF SHOWING THE EXISTING CONDITIONS OF THE TENNIS COURTS AND SURROUNDING AREAS FOR SITE IMPROVEMENTS.
3. ELEVATIONS ARE BASED ON MINNEAPOLIS LAND SURVEY MONUMENT 112C, WHICH HAS AN ELEVATION OF 838.60 FEET (NAVD29).
4. THE SUBSURFACE UTILITY INFORMATION SHOWN HEREON IS UTILITY QUALITY LEVEL C AS DETERMINED ACCORDING TO THE GUIDELINES OF ASCE 38-02. UTILITY LOCATIONS ARE SHOWN HEREON BASED ON OBSERVED EVIDENCE TOGETHER WITH EVIDENCE FROM THE FOLLOWING SOURCES: PLANS OBTAINED FROM UTILITY COMPANIES, PLANS PROVIDED BY CLIENT, MARKINGS BY UTILITY COMPANIES AND OTHER APPROPRIATE SOURCES FROM GOPHER ONE CALL TICKET NOS. 213361286, 213361272 AND 213640127. WE HAVE USED THIS INFORMATION TO DEVELOP A VIEW OF THE UNDERGROUND UTILITIES FOR THIS SITE. HOWEVER, LACKING EXCAVATION, THE EXACT LOCATION OF UNDERGROUND FEATURES CANNOT BE ACCURATELY, COMPLETELY AND RELIABLY DEPICTED. WHERE ADDITIONAL OR MORE DETAILED INFORMATION IS REQUIRED, THE CLIENT IS ADVISED THAT EXCAVATION MAY BE NECESSARY. ALSO, PLEASE NOTE THAT SEASONAL CONDITIONS MAY INHIBIT OUR ABILITY TO VISIBLY OBSERVE ALL THE UTILITIES LOCATED ON THE SUBJECT PROPERTY.

BENCHMARKS

#1 AN X CUT INTO THE BASE OF LIGHT POLE WEST OF THE OVERFLOW PARKING LOT ON THE EASTERN SIDE OF SITE, WHICH HAS AN ELEVATION OF 849.06 FEET.

LEGEND

- RIGHT OF WAY
- UNDERLYING PROPERTY
- BUILDING
- x-x- METAL FENCE
- ELE- ELECTRIC LINE
- GAS- GAS MAIN
- CONCRETE
- BITUMINUS
- ⊙ BOLLARD
- ⊙ SIGN
- * LIGHT
- ⊠ TRANSFORMER
- ⊙ DECIDUOUS TREE
- ⊙ CONIFEROUS TREE

VICINITY MAP



NO.	DATE	DRAWN	FIELD	CHECKED	ISSUES / REVISIONS
1	04-20-2022	JMB	JM/BJ	PAT	PDR SUBMITTAL
2	05-17-2022	JMB	JM/BJ	PAT	BID SUBMITTAL

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 Land Surveyor under the laws of the State of Minnesota.

Paul A. Thorp
 Paul A. Thorp
 LIC. NO. 13637 DATE: 04-20-2022

HTPO Engineering • Surveying
 Landscape Architecture

HANSEN THORP PELLINEN OLSON, Inc.
 7510 Market Place Drive • Eden Prairie, MN 55344
 952-929-0700 • 952-929-7808 fax

PROJECT NO. 21-057.1

HORIZONTAL SCALE IN FEET

0 20 40 60

Minneapolis Park & Recreation Board

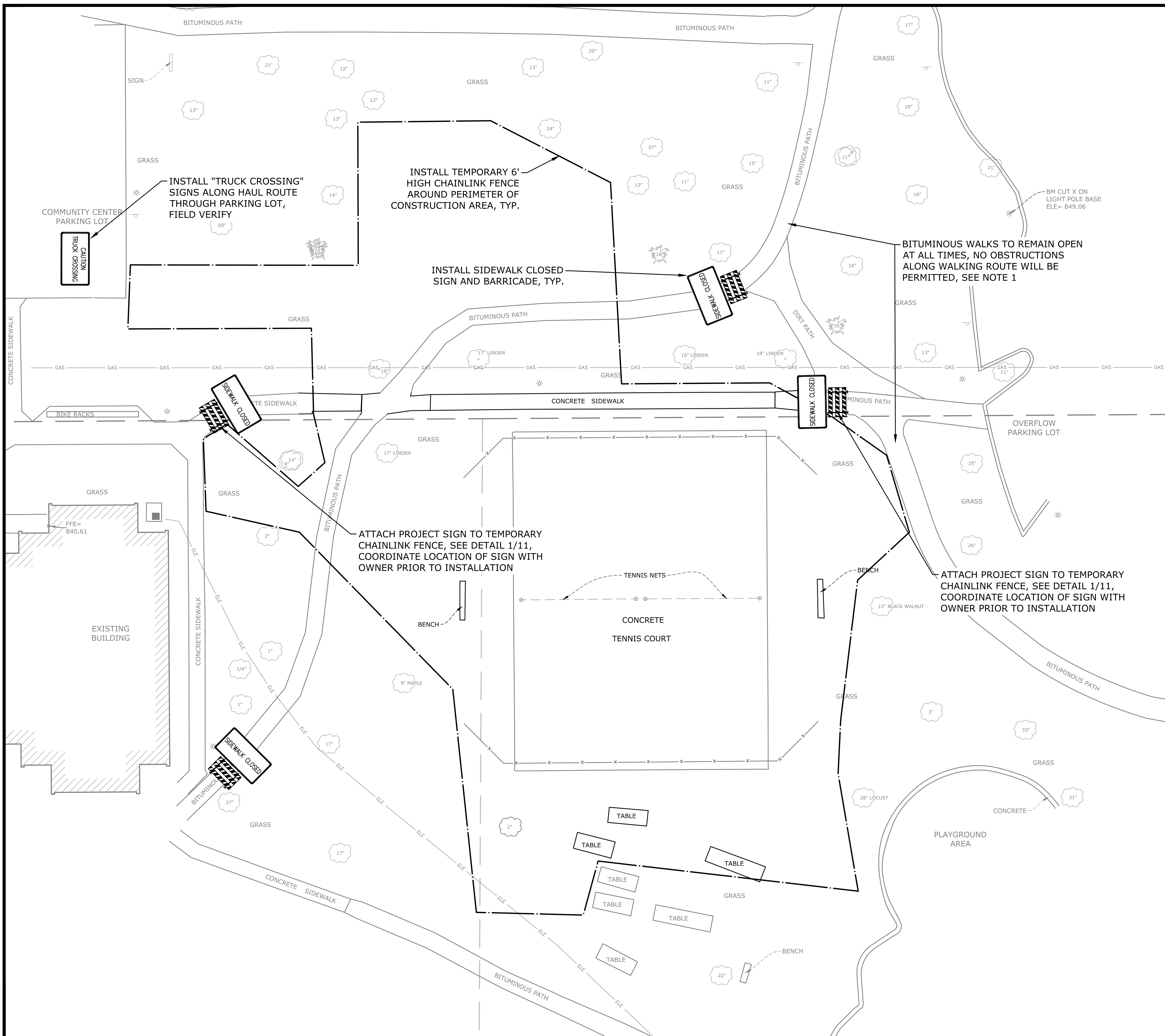
EXISTING CONDITIONS SURVEY

LAKE NOKOMIS PICKLEBALL COURTS

MINNEAPOLIS, MINNESOTA

SHEET 2 OF 12

FILE: P:\2021\21-057_MPRB_Merger_Contract_Engineering\Task 1 - Nokomis Pickleball Courts\CADD\WIP\ANSHEETS\CIVIL\21-057_1_TRAFFIC_CTRL.dwg LAYOUT: 3
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NOTES

1. CONTRACTOR SHALL BE RESPONSIBLE FOR, FENCING, SIGNING AND FLAGGING AS NECESSARY TO MAINTAIN, CONTROL, AND SAFEGUARD VEHICLE AND PEDESTRIAN TRAFFIC. STREETS SHALL REMAIN OPEN TO TRAFFIC DURING CONSTRUCTION. THIS WORK SHALL BE IN ACCORDANCE WITH THE LATEST VERSION OF THE MINNESOTA MANUAL ON UNIFORM TRAFFIC CONTROL DEVICES (MN MUTCD).
2. INSTALL TYPE A FLASHING WARNING LIGHT AT ALL TEMPORARY CONSTRUCTION SIGNS AND TYPE 3 BARRICADES.

LEGEND

— TEMPORARY CHAINLINK FENCE



Minnesota
CALL BEFORE YOU DIG!
 MINNESOTA LAW REQUIRES EXCAVATORS TO NOTIFY THE REGIONAL NOTIFICATION CENTER AT LEAST TWO (2) BUSINESS DAYS BUT NOT MORE THAN FOURTEEN (14) CALENDAR DAYS PRIOR TO EXCAVATION.
GOPHER STATE ONE CALL
 www.gopherstateonecall.org
1-800-252-1166

NO.	DATE	DRAWN	DESIGN	CHECKED	ISSUES / REVISIONS
1	04-20-2022	JMB	WLD	WLD	PDR SUBMITTAL
2	05-17-2022	JMB	WLD	WLD	BID SUBMITTAL

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William Delaney
 WILLIAM DELANEY
 LIC. NO. 40252 DATE: 04-20-2022

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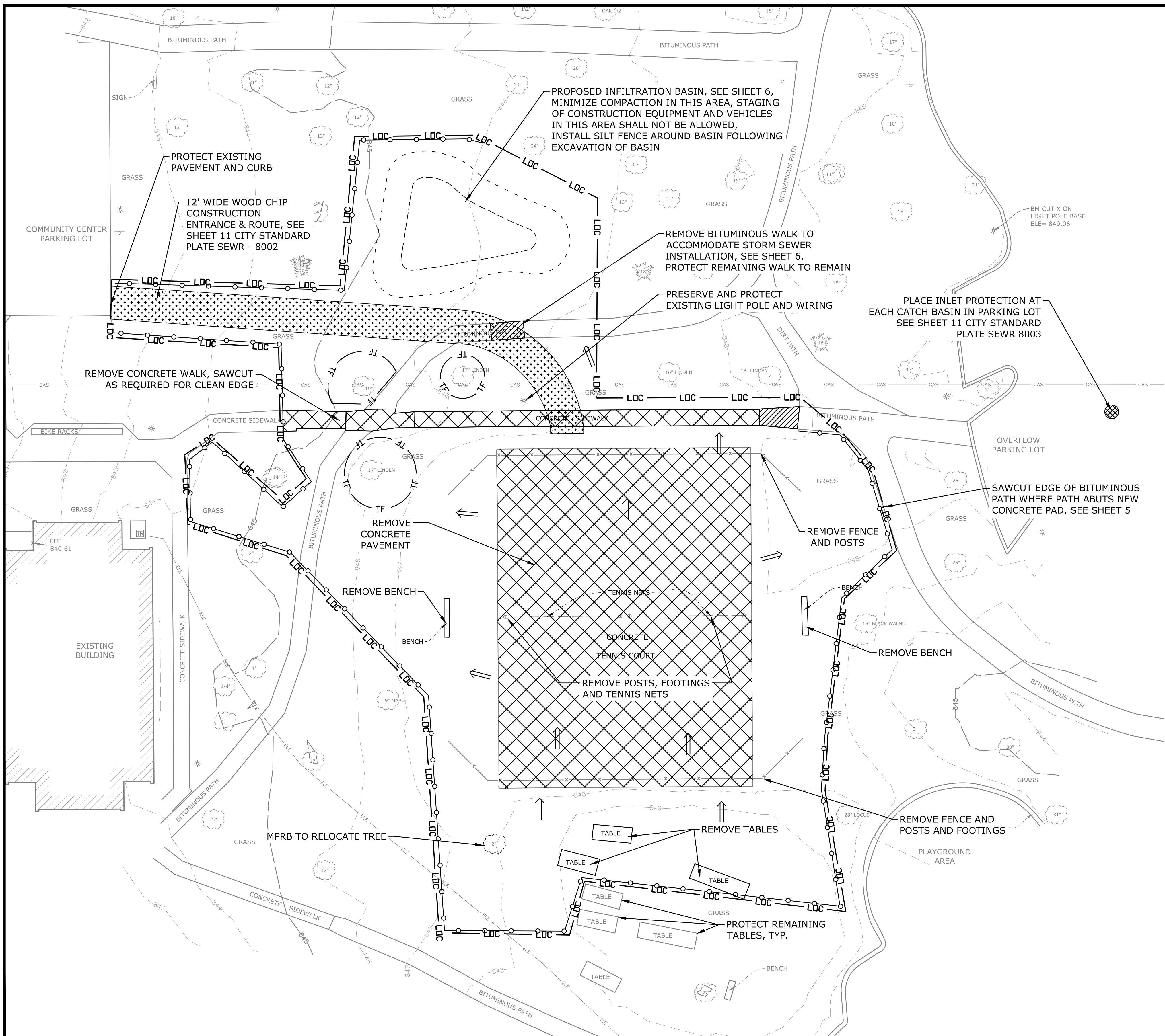
Minneapolis Park & Recreation Board

TRAFFIC CONTROL PLAN

LAKE NOKOMIS PICKLEBALL COURTS
 MINNEAPOLIS, MINNASOTA

SHEET
3
 OF
12

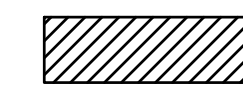




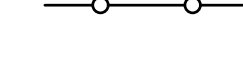


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NOTES

1. CONTRACTOR SHALL DETERMINE LOCATION OF EXISTING PUBLIC AND PRIVATE UTILITIES PRIOR TO CONSTRUCTION AND SHALL BE RESPONSIBLE FOR PRESERVING THESE. ANY REPAIRS NECESSARY DUE TO CONTRACTORS OPERATIONS SHALL BE MADE AT CONTRACTORS EXPENSE. BEFORE DIGGING CALL: GOPHER STATE ONE CALL (651) 454-0002.
2. ALL WORK WITHIN PUBLIC RIGHT OF WAY SHALL BE IN ACCORDANCE WITH CITY OF MINNEAPOLIS STANDARDS AND APPLICABLE CODES.
3. CONTRACTOR TO PROTECT ALL SITE FEATURES IN-PLACE, INCLUDING EXISTING TREES, PAVEMENT, CURB, AND LANDSCAPE AREAS, UNLESS DESIGNATED FOR REMOVAL. RESTORE ALL DISTURBED AREAS TO EXISTING CONDITION OR BETTER.
4. REMOVE CONCRETE AND BITUMINOUS PAVEMENT WHERE SHOWN ON PLANS AND/OR AS DIRECTED, UNLESS OTHERWISE NOTED. SAWCUT (NO JACKHAMMERING) ALONG EXISTING PAVEMENT TO CREATE SMOOTH TRANSITIONS BETWEEN EXISTING AND NEW PAVEMENT.
5. CONCRETE AND CURB SHALL BE REMOVED TO THE NEAREST EXISTING JOINT.
6. KEEP ALL ROADWAYS CLEAR OF SEDIMENTS. STREETS SHALL BE SWEEPED AS NEEDED OR AS DIRECTED.
7. CONTRACTOR IS RESPONSIBLE FOR OBTAINING ALL PERMITS FOR CONSTRUCTION WORK.
8. SEE CITY OF MINNEAPOLIS STANDARD PLATE NO. SEWR-8007 ON SHEET 11 FOR EROSION AND SEDIMENT CONTROL REQUIREMENTS.
9. INSTALL CONSTRUCTION ENTRANCE AND SILT FENCE PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES.
10. PRIOR TO GRADING ACTIVITIES, TOPSOIL, ROOTS, AND OTHER ORGANIC MATERIAL SHALL BE STRIPPED AS NEEDED IN GREENSPACE AREAS. TOPSOIL SHALL BE STOCKPILED AS REQUIRED TO PROVIDE MIN. 6" OF TOPSOIL FOR GREENSPACE AREAS UNLESS OTHERWISE NOTED.
11. CONTRACTOR TO REMOVE AND DISPOSE OF FOOTINGS AND ALL APPURTENANCES OF BENCHES AND TABLES AS CALLED OUT ON PLAN.

LEGEND

-  BITUMINOUS REMOVAL
-  CONCRETE REMOVAL
-  TREE PROTECTION FENCE
-  LIMITS OF CONSTRUCTION
-  WOOD CHIP CONSTRUCTION ENTRANCE
-  SILT FENCE
-  DRAINAGE ARROW
-  INLET PROTECTION



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GOPHER STATE ONE CALL
 www.gopherstateonecall.org
 1-800-252-1166


NO.	DATE	DRAWN	DESIGN	CHECKED	ISSUES / REVISIONS
1	04-20-2022	JMB	WLD	WLD	PDR SUBMITTAL
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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 Landscape Architect under the laws of the State of Minnesota.

William Delaney
 WILLIAM DELANEY
 LIC. NO. 40252 DATE: 04-20-2022

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 Landscape Architecture
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 952-829-0700 • 952-829-7806 fax
 PROJECT NO. 21-057.1

HORIZONTAL SCALE IN FEET
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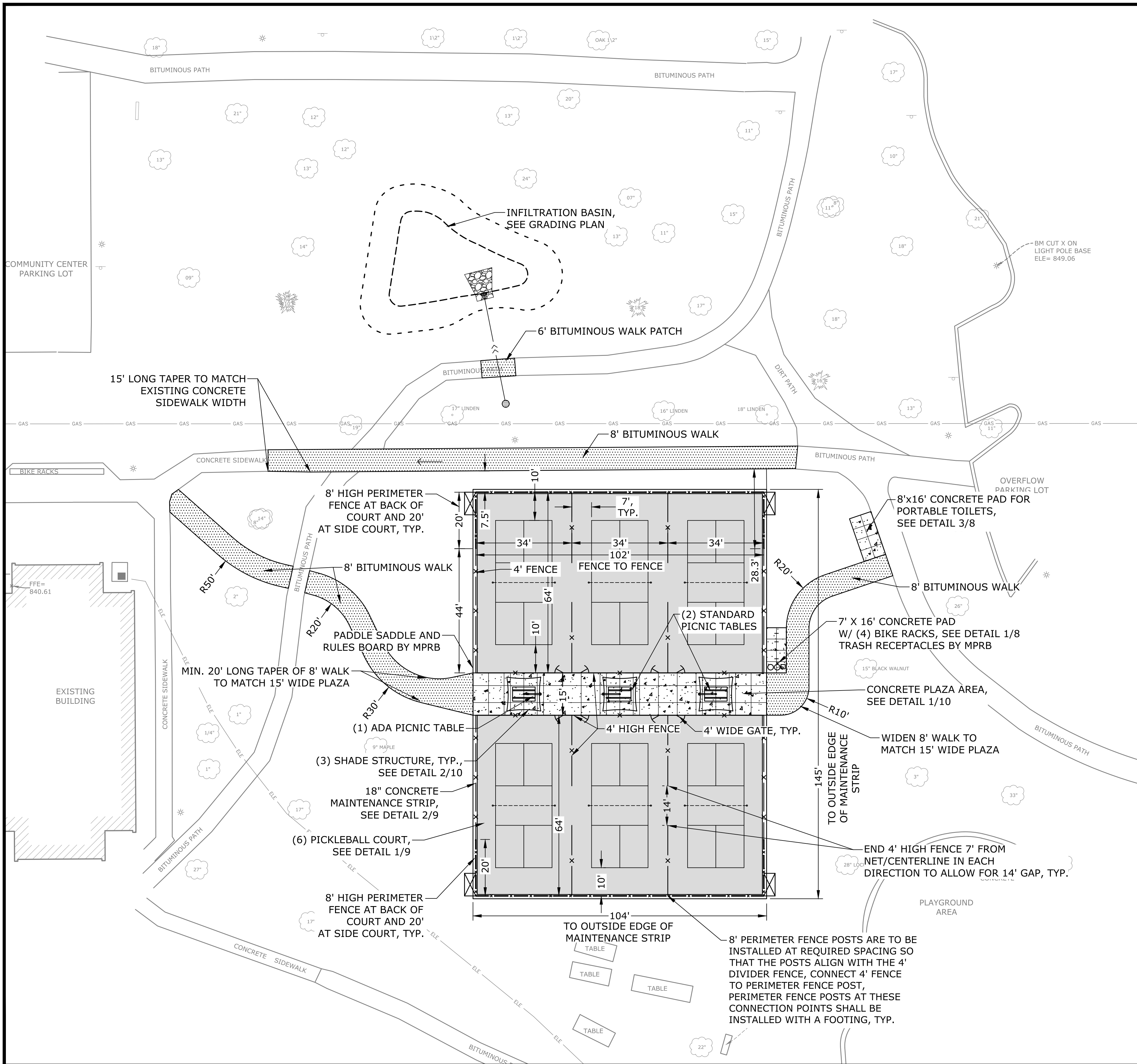


REMOVALS, EROSION & SEDIMENT CONTROL PLAN

LAKE NOKOMIS PICKLEBALL COURTS
 MINNEAPOLIS, MINNESOTA

SHEET 4 OF 12

FILE: P:\2024\1-057_MPRB_Merger_Contract_Engineering\Task 1 - Nokomis Pickleball Courts\CADD\WGP\ANSHEETS\CIVIL\21-057-1_CIV-SITE.dwg LAYOUT: 5
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NOTES

1. ALL WORK WITHIN PUBLIC RIGHT OF WAY SHALL BE IN ACCORDANCE WITH CITY OF MINNEAPOLIS STANDARDS AND APPLICABLE CODES.
2. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING SURFACE DRAINAGE AT ALL TIMES DURING CONSTRUCTION.
3. CONTRACTOR SHALL BE RESPONSIBLE FOR PROVIDING SAFETY MEASURES TO SAFEGUARD VEHICLE AND PEDESTRIAN TRAFFIC IN ACCORDANCE WITH THE SPECIFICATIONS AND THE MN MUTCD MANUAL.
4. CONTRACTOR SHALL TAKE SPECIAL CARE TO MINIMIZE COMPACTION IN GREENSPACE AREA.

LEGEND

- BITUMINOUS PAVEMENT - SPORT COURTS, SEE DETAIL 2/8
- BITUMINOUS PAVEMENT - WALK, SEE DETAIL 4/8
- CONCRETE PAVEMENT, SEE DETAIL 5/8
- 8' CHAINLINK FENCE, SEE DETAILS 3/9 AND 4/9
- 4' CHAINLINK FENCE, SEE DETAILS 3/9 AND 4/9
- LEAF CLEANOUT GATE, SEE DETAIL 5/9



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 1-800-252-1166

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 952-829-0700 • 952-829-7806 fax
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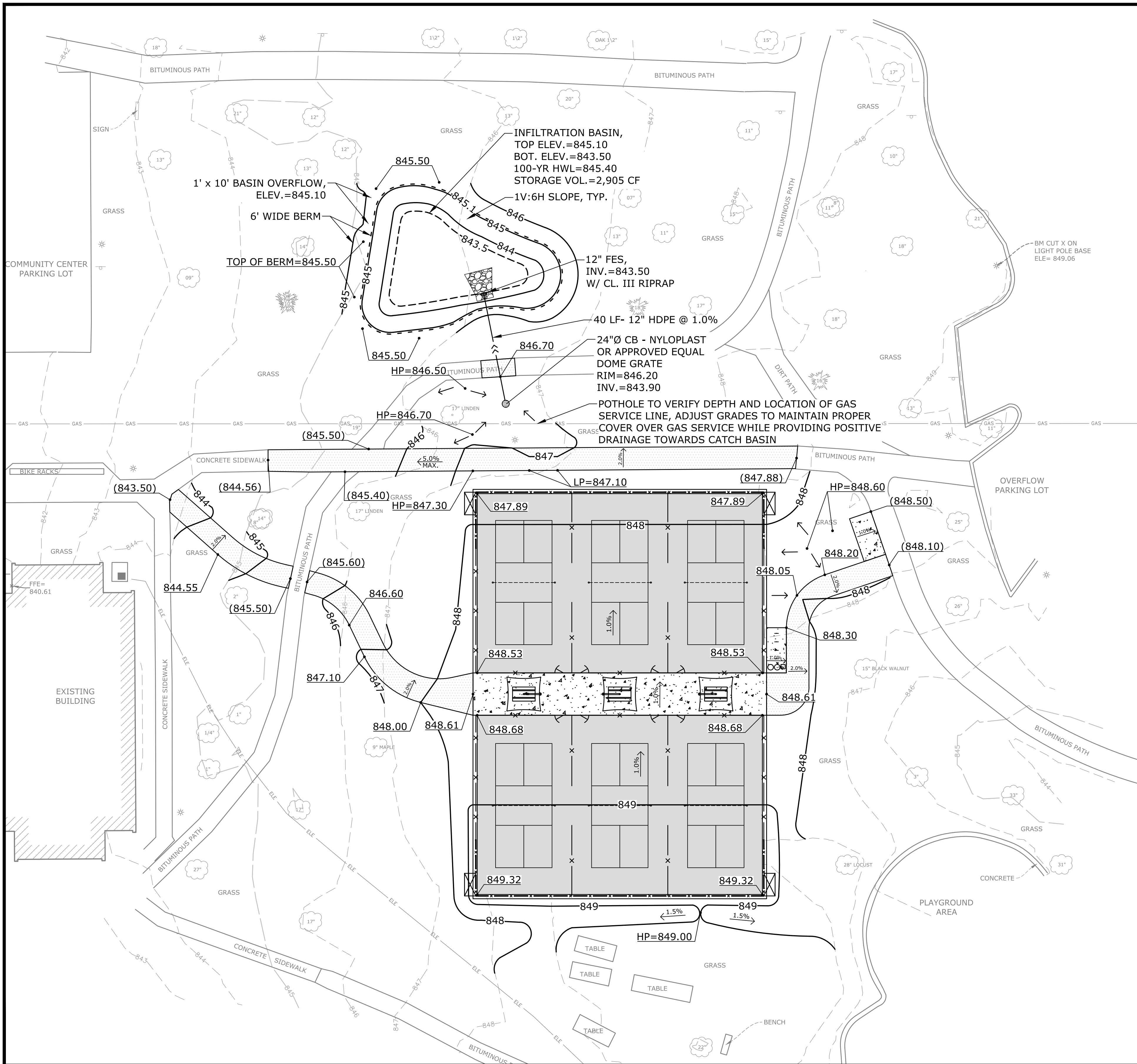
HORIZONTAL SCALE IN FEET
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SITE PLAN

LAKE NOKOMIS PICKLEBALL COURTS
 MINNEAPOLIS, MINNASOTA

SHEET
5
 OF
12

FILE: P:\2021\1-057_MPBB_Master_Contract_Engineering\Task 1 - Nokomis Pickleball Courts\CADD\WIP\ANSHEETS\CIVIL\21-057.1_CIV-GRAD.dwg LAYOUT: 06
 SCALE: 0 DATE/TIME: May 17 2022 2:33pm
 USER: apawelk XREF(1): 21-057.1_X-SUR.dwg 21-057.1_X-LA-SITE.dwg 21-057.1_X-GEN-TBL.dwg



NOTES

1. CONTRACTOR SHALL INSTALL EROSION AND SEDIMENT CONTROL (ESC) MEASURES PRIOR TO COMMENCING CONSTRUCTION (SEE ESC PLAN). ESC MEASURES SHALL BE INSPECTED DAILY DURING GRADING OPERATIONS AND WEEKLY UNTIL FINAL STABILIZATION IS COMPLETE. ESC MEASURES SHALL BE REPAIRED AS NEEDED OR AS DIRECTED BY THE ENGINEER. ESC MEASURES SHALL BE REMOVED FOLLOWING FINAL STABILIZATION.
2. CONTRACTOR SHALL FIELD VERIFY EXISTING ELEVATIONS AND TOPOGRAPHY PRIOR TO COMMENCING GRADING OPERATIONS. IF DISCREPANCIES OCCUR BETWEEN PLANS AND ACTUAL SITE CONDITIONS, NOTIFY ENGINEER IMMEDIATELY.
3. OTHER THAN REMOVALS, EXCAVATION OF NEW INFILTRATION BASIN SHALL NOT OCCUR UNTIL MASS GRADING AND STABILIZATION HAS BEEN COMPLETED.
4. PRIOR TO GRADING ACTIVITIES, TOPSOIL, ROOTS, AND OTHER ORGANIC MATERIAL SHALL BE COMPLETELY STRIPPED IN NEW PAVEMENT AREAS AND ONLY STRIPPED AS NEEDED IN GREENSPACE AREAS. TOPSOIL SHALL BE STOCKPILED AS REQUIRED TO PROVIDE MIN. 6" OF TOPSOIL FOR GREENSPACE AREAS UNLESS OTHERWISE NOTED. SCARIFY TOP 18" MIN. OF SUBGRADE WHILE TAKING CARE TO AVOID UTILITIES, TREE ROOTS, AND OTHER EXISTING VEGETATION PRIOR TO PLACEMENT OF TOPSOIL AND COMPOST.
5. CONTRACTOR SHALL BE RESPONSIBLE FOR MAINTAINING EXISTING SURFACE DRAINAGE AT ALL TIMES DURING CONSTRUCTION.
6. CONTRACTOR SHALL TAKE SPECIAL CARE TO MINIMIZE COMPACTION IN GREENSPACE AREAS, INCLUDING AREA FOR INFILTRATION BASIN.

LEGEND

- 899 — CONTOUR LINE
- ← DRAINAGE ARROW
- 899.5 SPOT ELEVATION
- (899.9) SPOT ELEVATION (MATCH EXISTING)
- >> STORM SEWER
- ◄ FLARED END SECTION (FES)
- ⊙ CATCH BASIN (CB)
- ⊠ RIPRAP
- HP HIGH POINT
- LP LOW POINT



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 LIC. NO. 49990 DATE: 04-20-2022

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 PROJECT NO. 21-057.1

HORIZONTAL SCALE IN FEET
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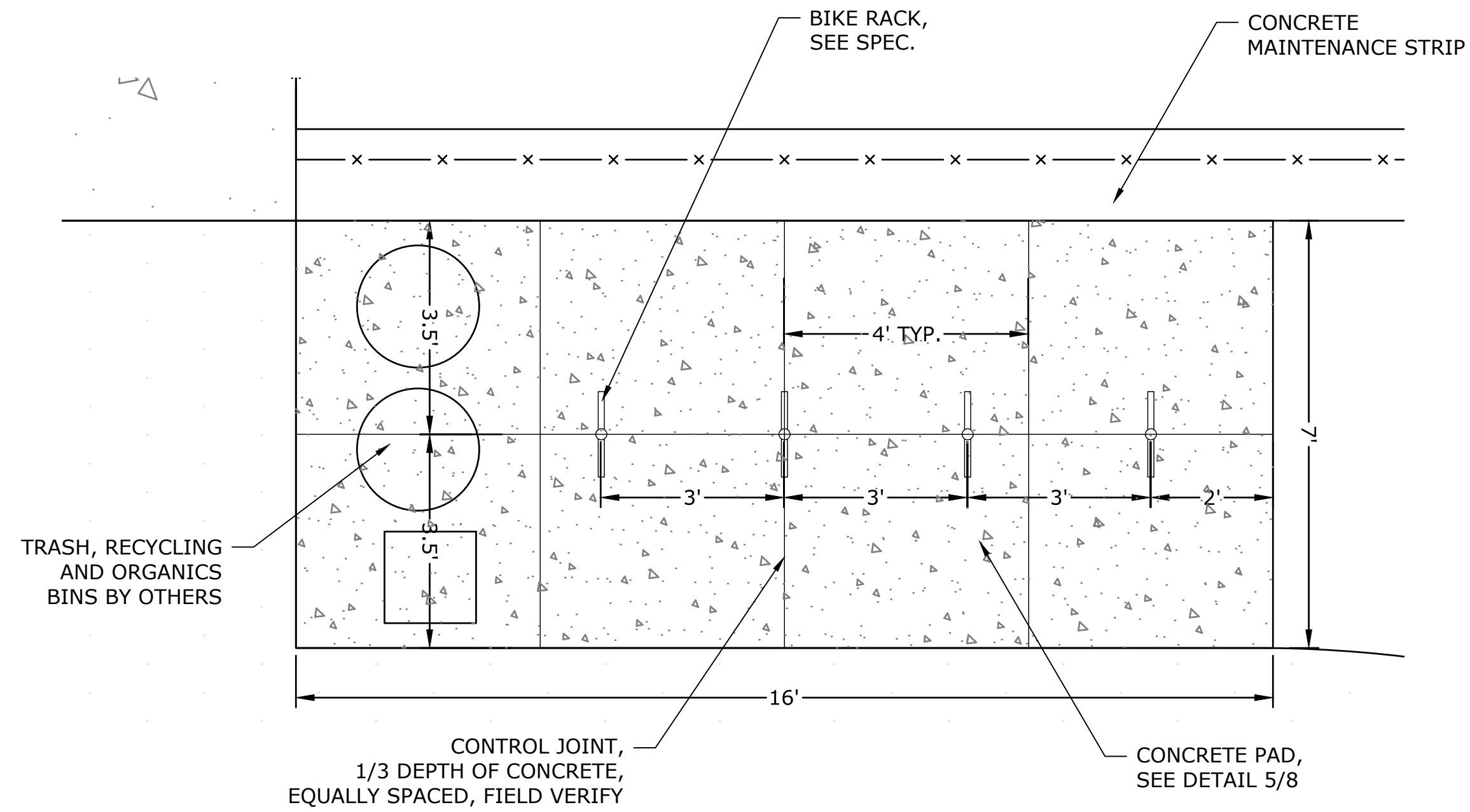
Minneapolis
 Park & Recreation Board

GRADING AND DRAINAGE PLAN

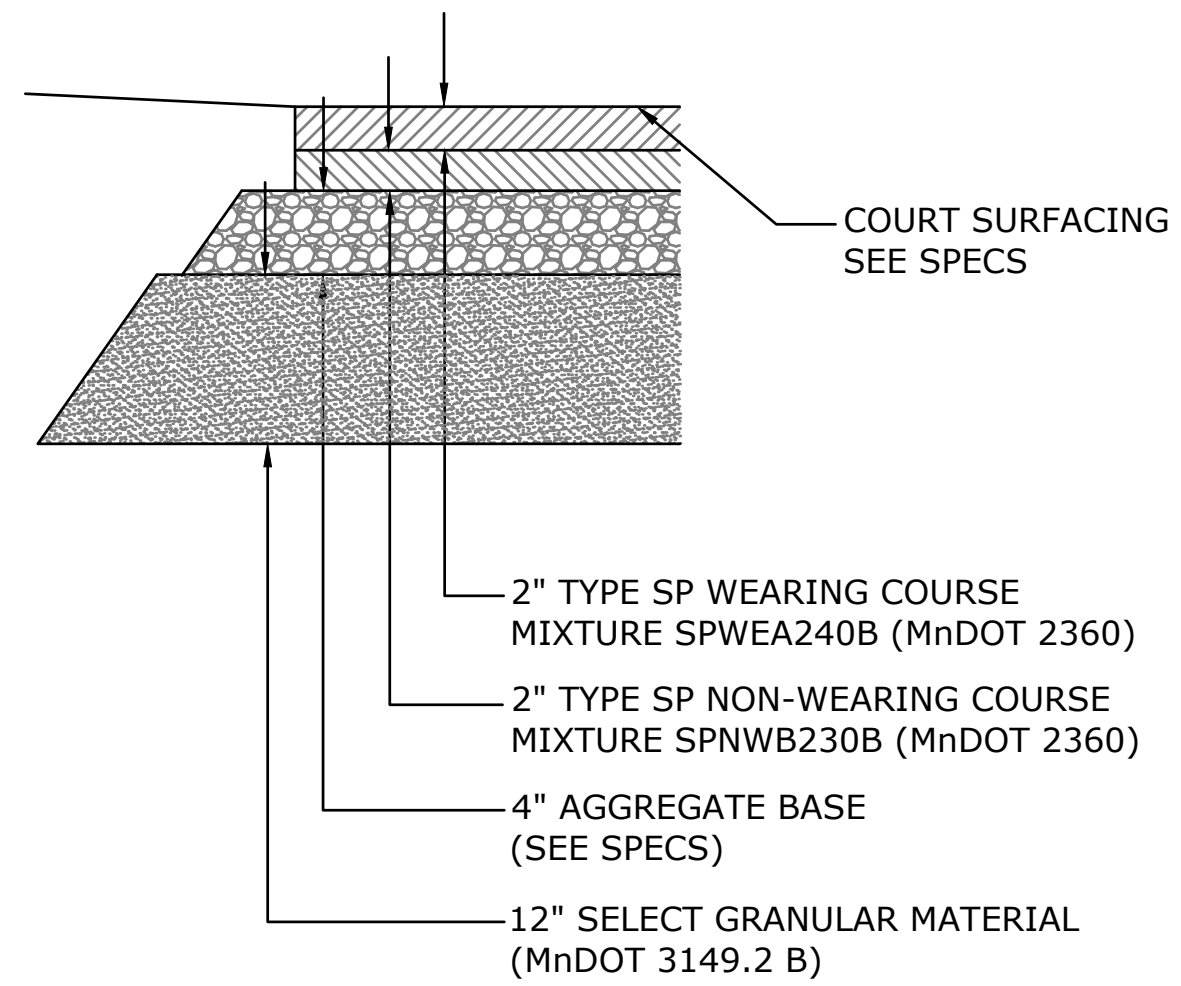
LAKE NOKOMIS PICKLEBALL COURTS
 MINNEAPOLIS, MINNAPOLIS

SHEET
 6
 OF
 12

FILE: P:\2024\1-057_MPRB_Master_Contract_Engineering\Task 1 - Nokomis Pickleball Courts\CADD\DWG\PLANS\DETAILS\CIVIL\21-057.1_DTL.dwg LAYOUT: 8
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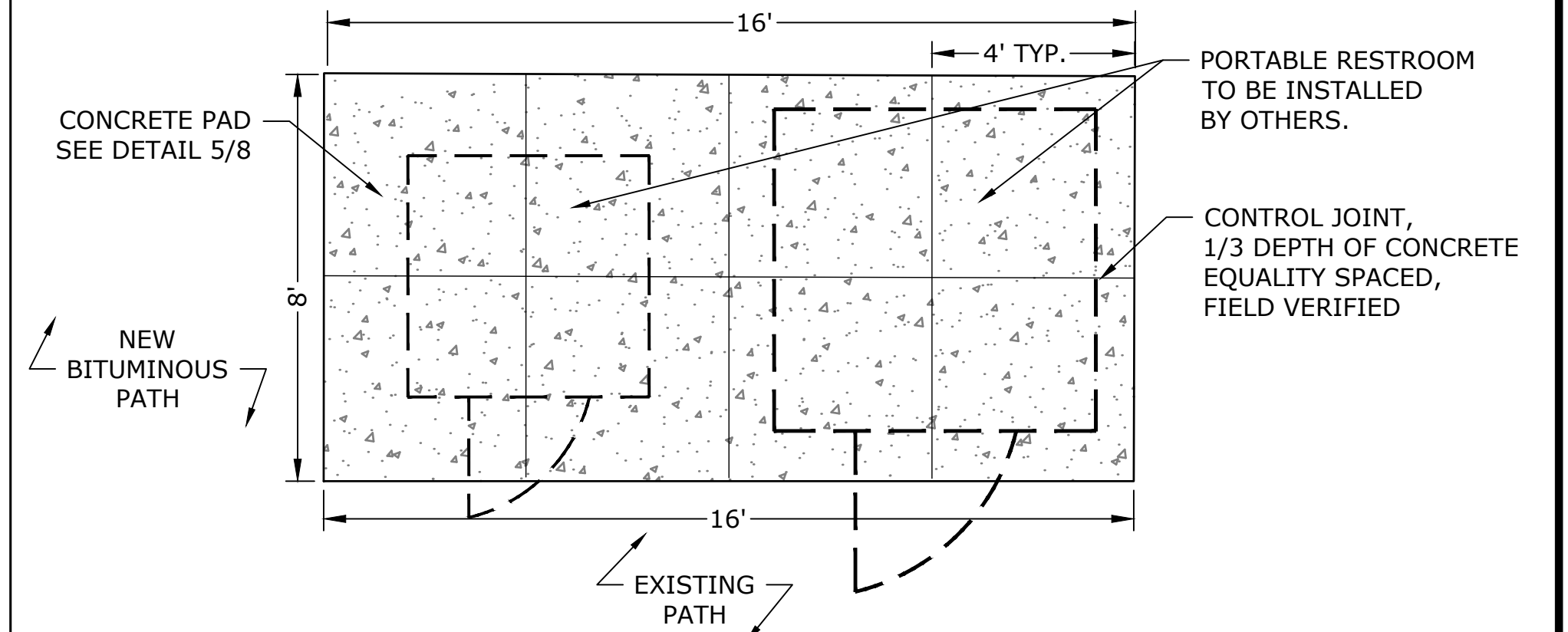


1
8 BIKE RACK AND TRASH RECEPTACLE CONCRETE PAD
NOT TO SCALE

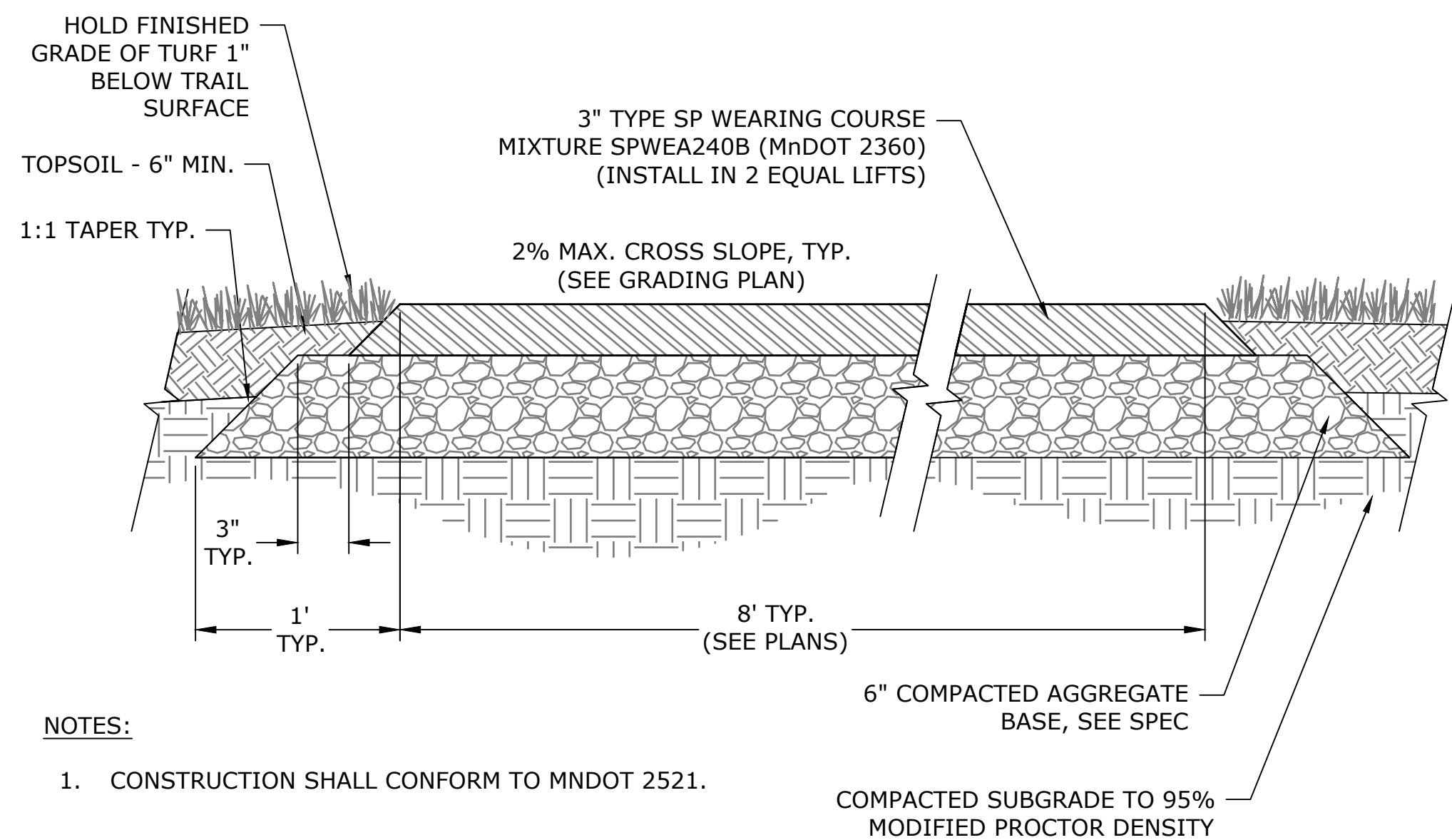


- NOTE:
- CONSTRUCTION SHALL CONFORM TO MnDOT 2360 AND 2521.
 - ALL IMPROVEMENTS SHALL BE CONSTRUCTED ON APPROVED, COMPACTED SUBGRADE.

2
8 PICKLEBALL COURTS, TYPICAL SECTION
NOT TO SCALE

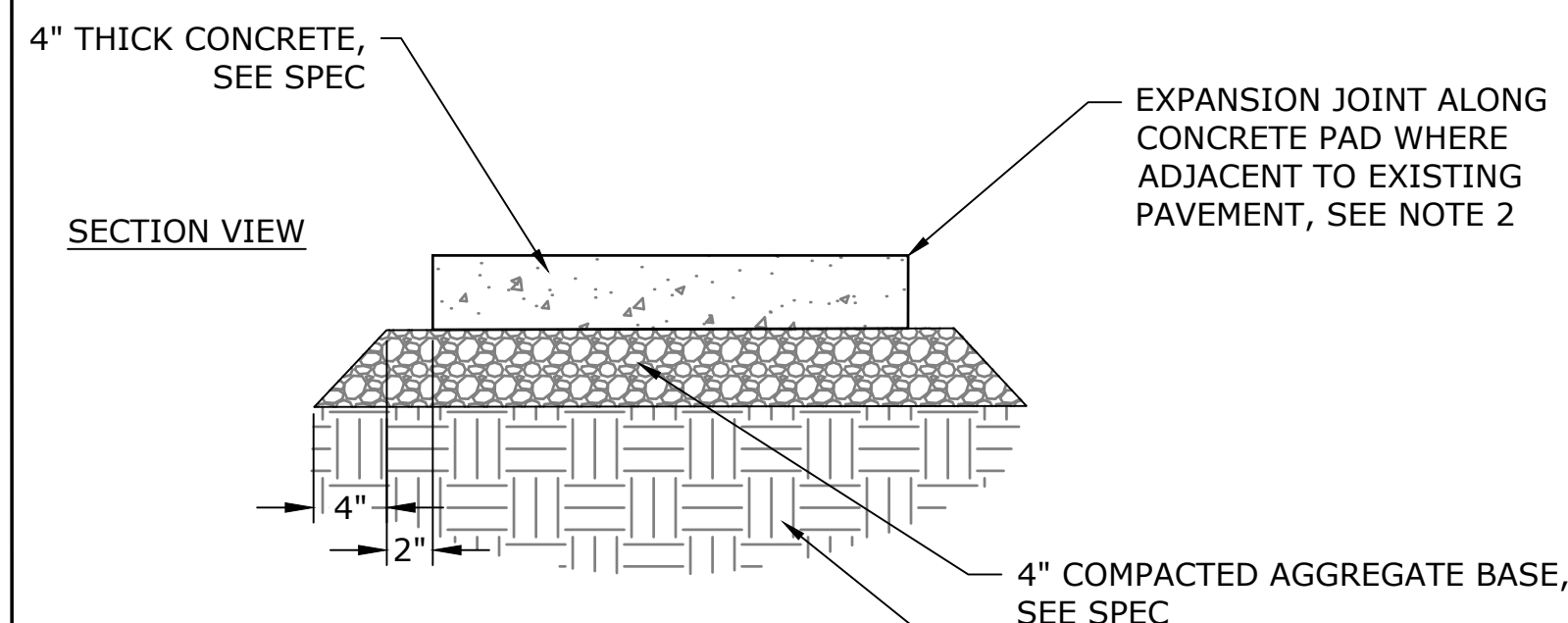
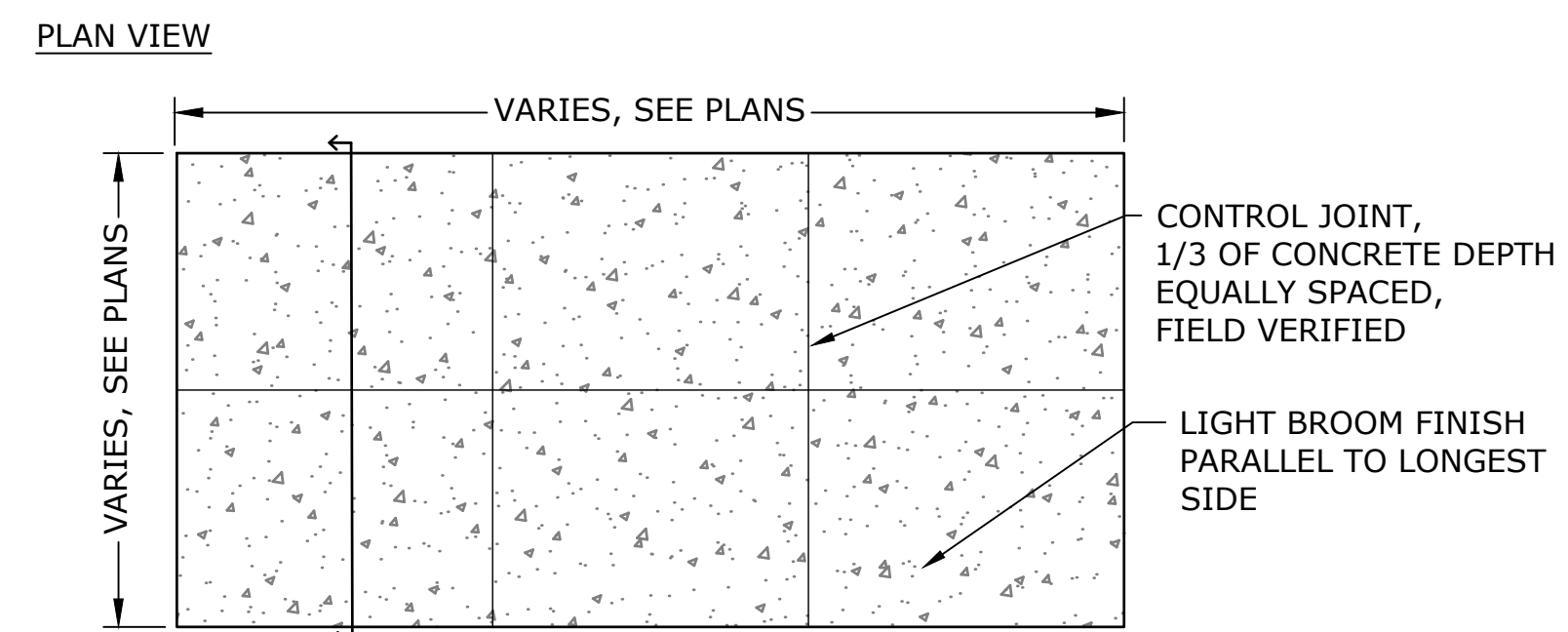


3
8 CONCRETE PAD FOR PORTABLE TOILETS
NOT TO SCALE



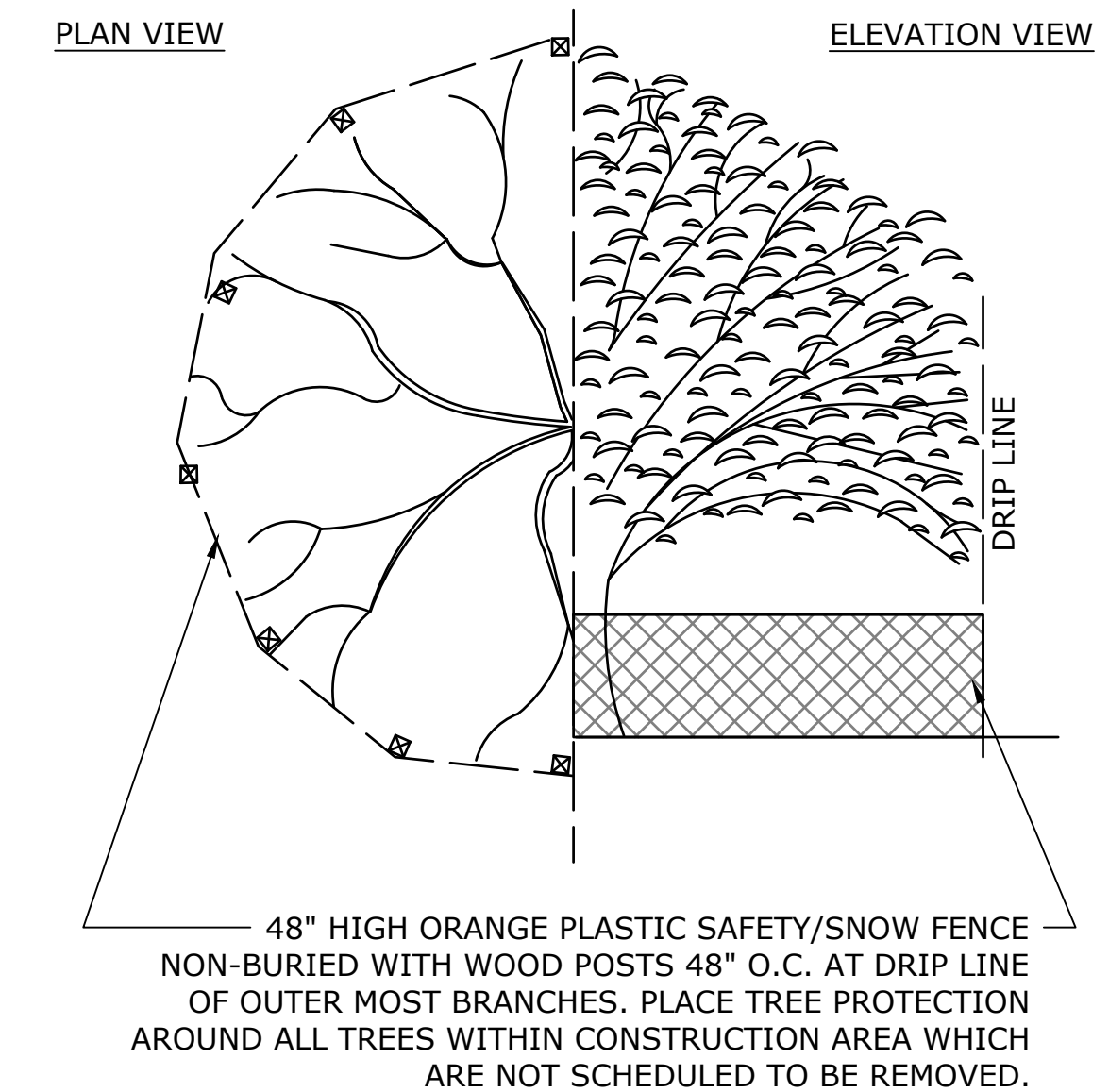
- NOTES:
- CONSTRUCTION SHALL CONFORM TO MNDOT 2521.

4
8 BITUMINOUS WALK
NOT TO SCALE



- NOTE:
- CONSTRUCTION SHALL CONFORM TO MnDOT 2521.
 - EXPANSION JOINT SHALL BE 1/2" PREFORMED JOINT FILLER MATERIAL INSTALLED AT LOCATIONS WHERE ADJACENT TO PAVEMENT OR CURB, SEAL JOINT WITH POLYURETHANE JOINT SEALANT.

5
8 CONCRETE PAD
NOT TO SCALE



6
8 TREE PROTECTION FENCE
NOT TO SCALE

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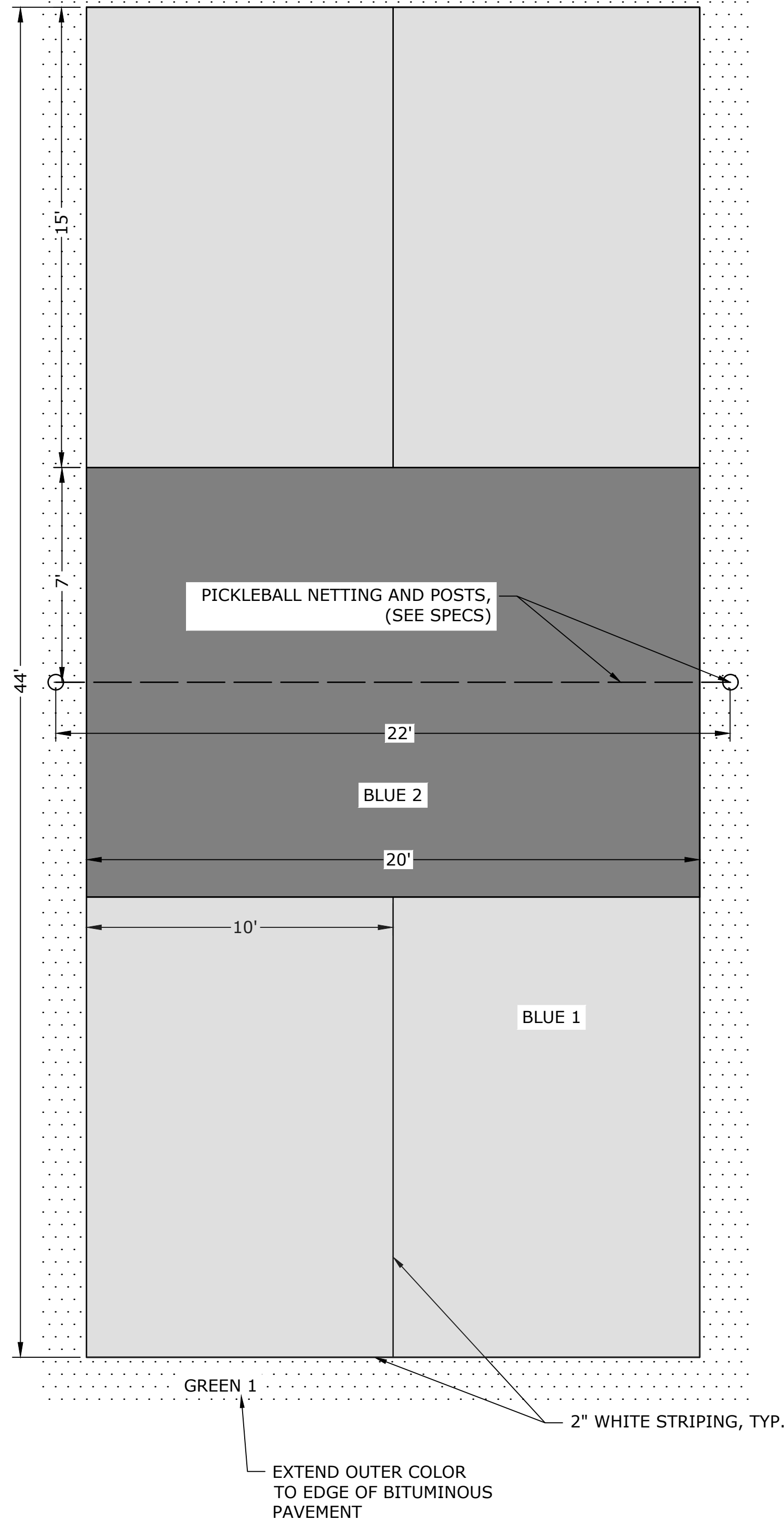
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DETAILS
 LAKE NOKOMIS PICKLEBALL COURTS
 MINNEAPOLIS, MINNAPOLIS

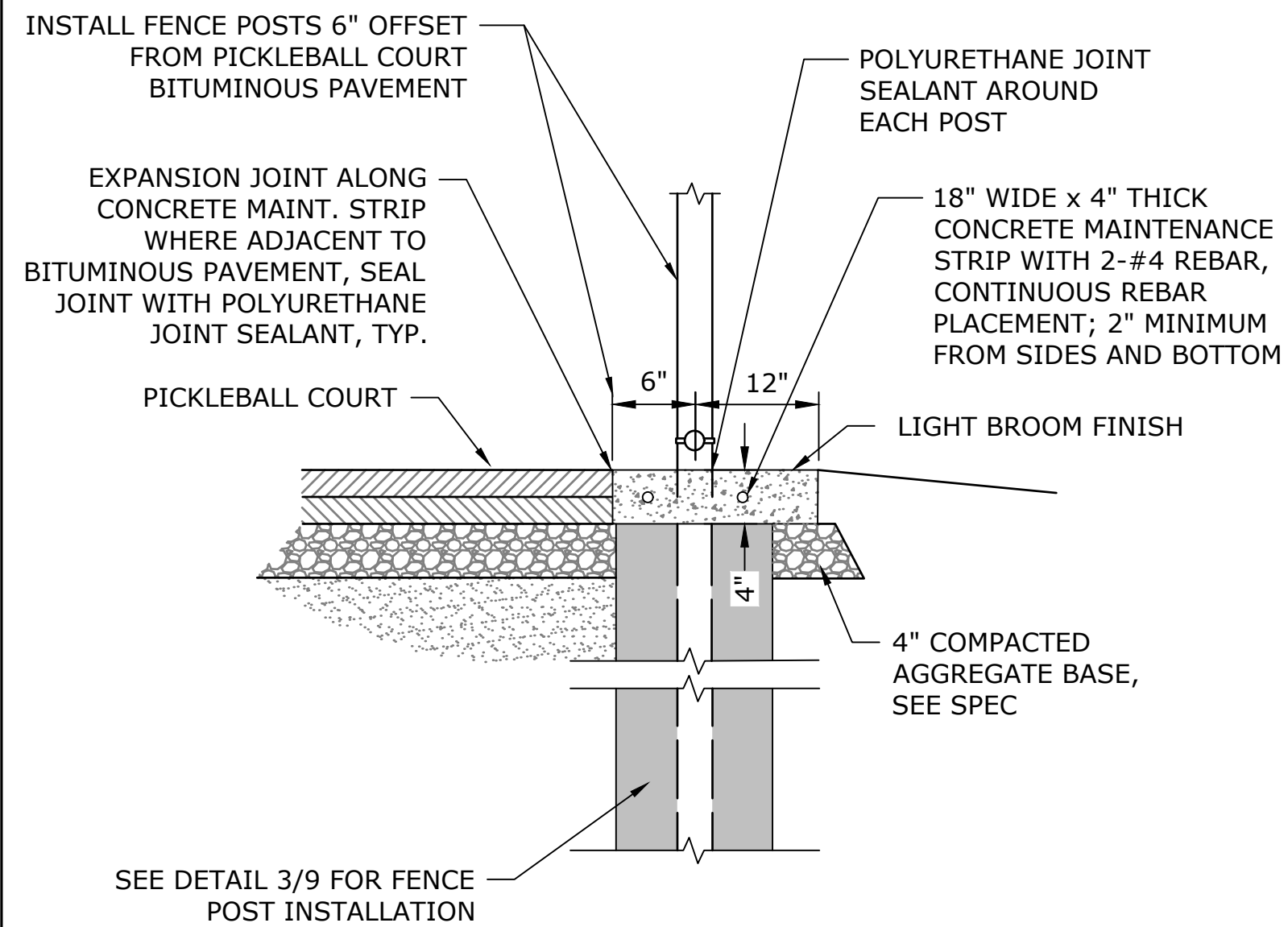
SHEET
 8
 OF
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FILE: P:\2021\057_MPRB_Master_Contract_Engineering\Task 1 - Nokomis Pickleball Courts\CADD\WIP\ANSHEETS\CIVIL\21-057.1_DTL.dwg LAYOUT: 9
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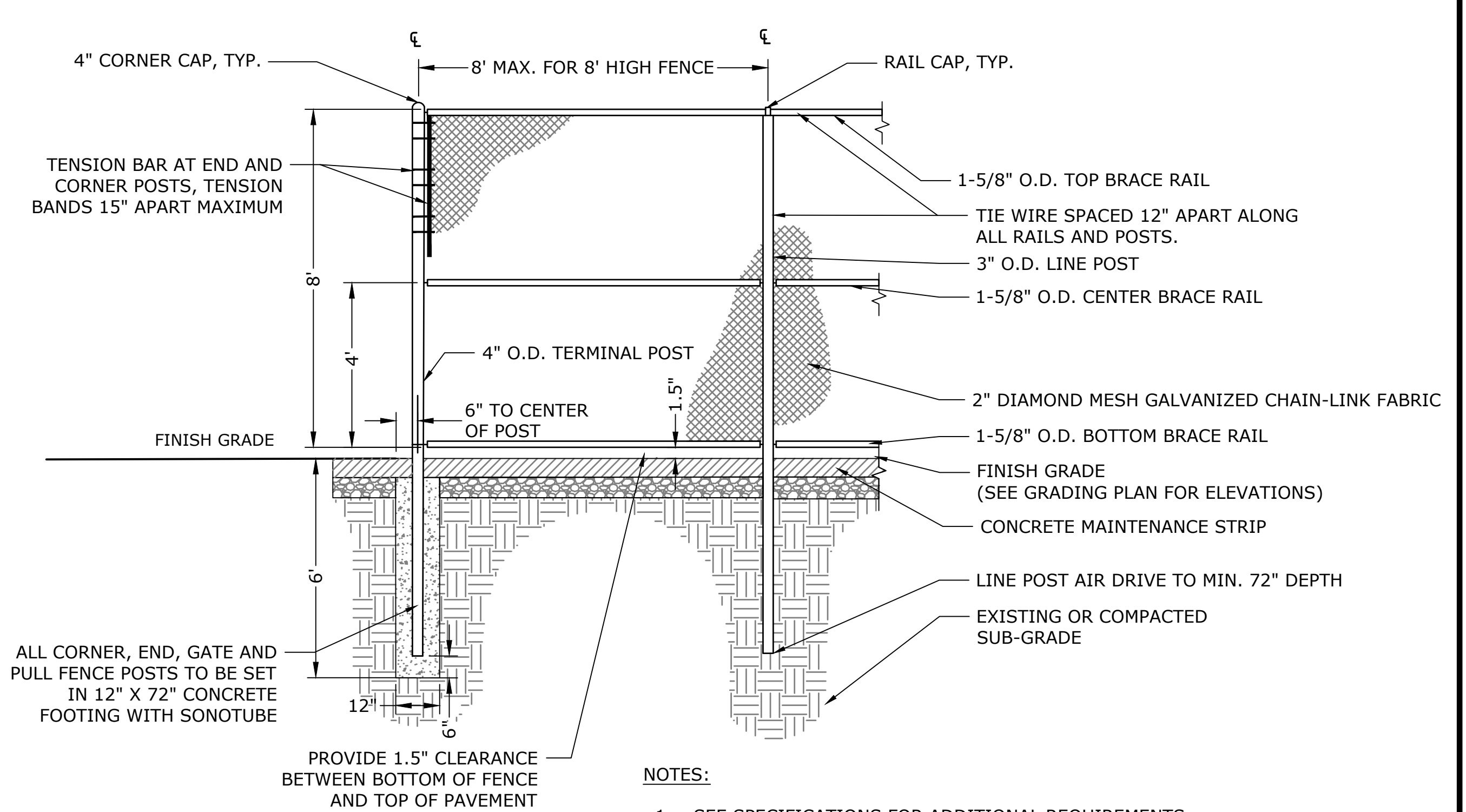
- NOTES:**
- SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION REGARDING STRIPING AND COURT SURFACING SYSTEM.
 - FINAL COLORS TO BE APPROVED BY MPRB

1
9 PICKLEBALL COURT LAYOUT & STRIPING
NOT TO SCALE



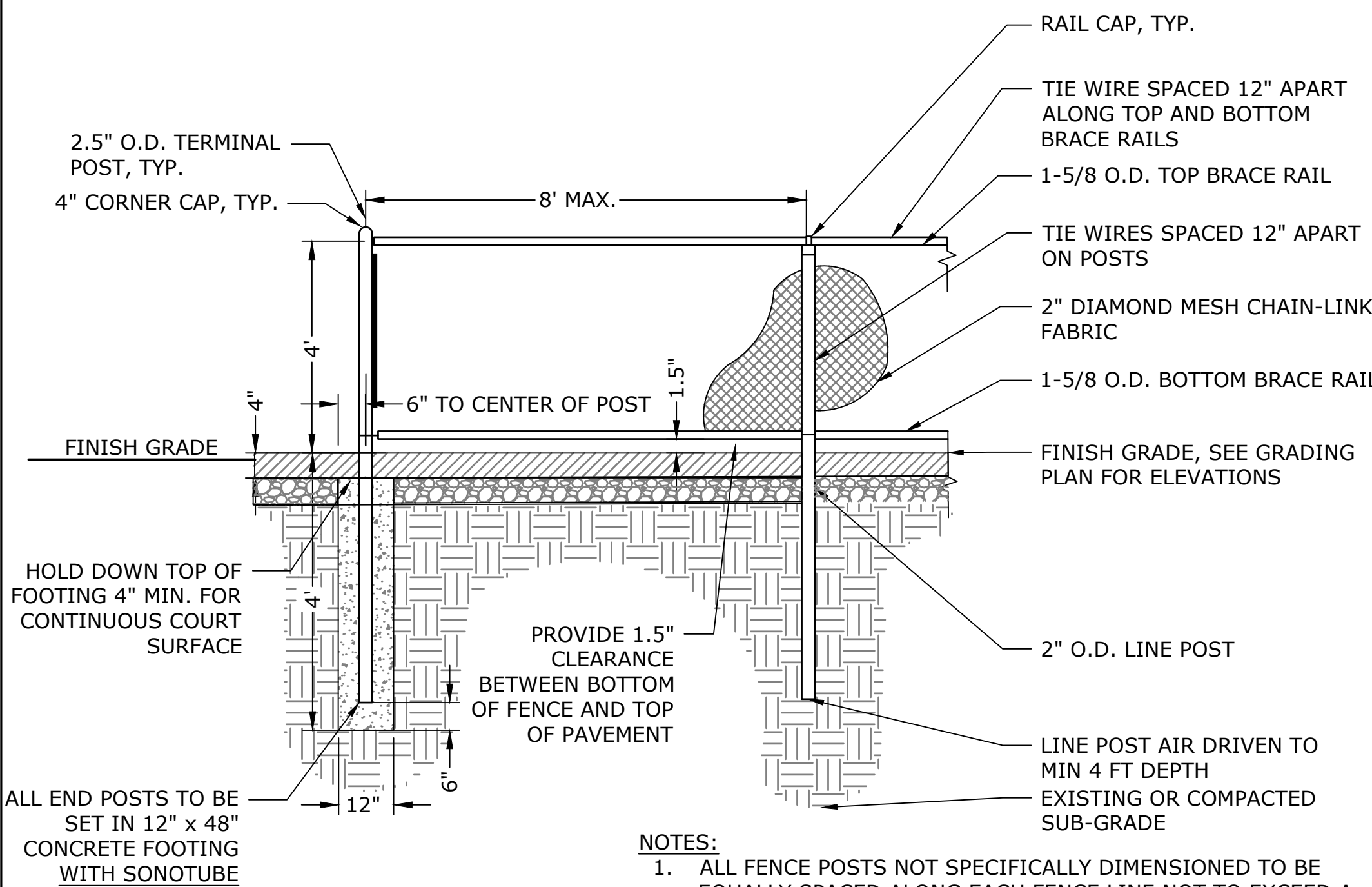
- NOTES:**
- PROVIDE CONTROL JOINTS, 1/3 OF CONCRETE DEPTH, AT EACH POST AND AT MID-POINT BETWEEN EACH POST.

2
9 CONCRETE MAINTENANCE STRIP
NOT TO SCALE



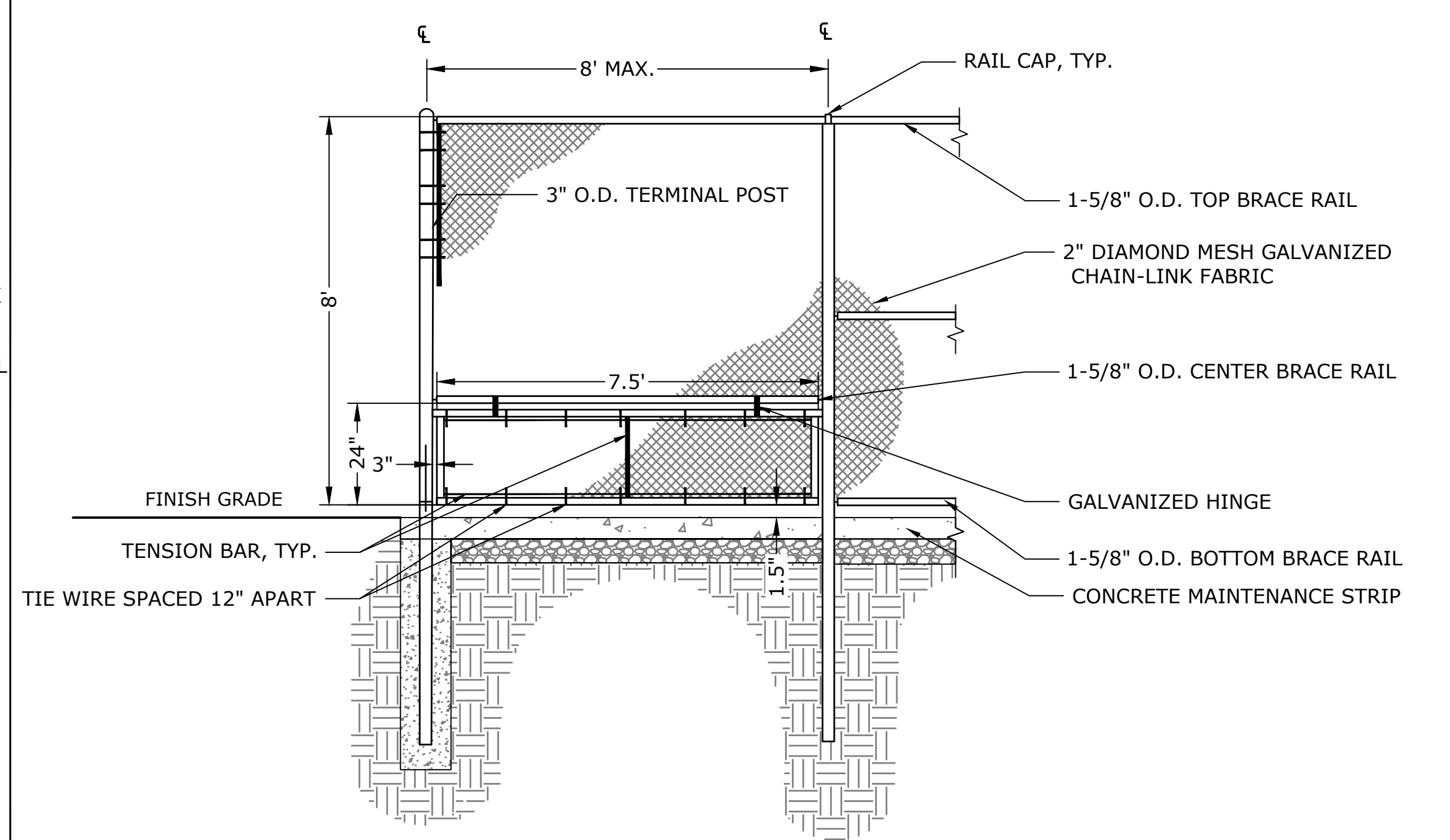
- NOTES:**
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL FENCE COMPONENTS TO BE GALVANIZED, SEE SPECS.
 - FENCE FABRIC TO BE INSTALLED ON PICKLEBALL COURT SIDE OF FENCE POSTS.

3
9 8' CHAINLINK FENCE
NOT TO SCALE



- NOTES:**
- ALL FENCE POSTS NOT SPECIFICALLY DIMENSIONED TO BE EQUALLY SPACED ALONG EACH FENCE LINE NOT TO EXCEED A MAXIMUM OF 8 FEET.
 - ALL 4' CHAIN-LINK FABRIC TO BE INSTALLED ON CENTER COURT SIDE OF FENCE POSTS AND EXTEND 1/2" BELOW BOTTOM RAIL.
 - SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL FENCE COMPONENTS TO BE GALVANIZED, SEE SPECS

4
9 4' CHAINLINK FENCE
NOT TO SCALE



- NOTES:**
- SEE SPECIFICATIONS FOR ADDITIONAL REQUIREMENTS.
 - ALL FENCE COMPONENTS TO BE GALVANIZED, SEE SPECS.

5
9 LEAF CLEAN-OUT GATE
NOT TO SCALE

NO.	DATE	DRAWN	DESIGN	CHECKED	ISSUES / REVISIONS
1	04-20-2022	JMB	WLD	WLD	PDR SUBMITTAL
2	05-17-2022	JMB	WLD	WLD	BID SUBMITTAL

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 Landscape Architect under the laws of the State of Minnesota.

William Delaney
 WILLIAM DELANEY
 LIC. NO. 40252 DATE: 04-20-2022

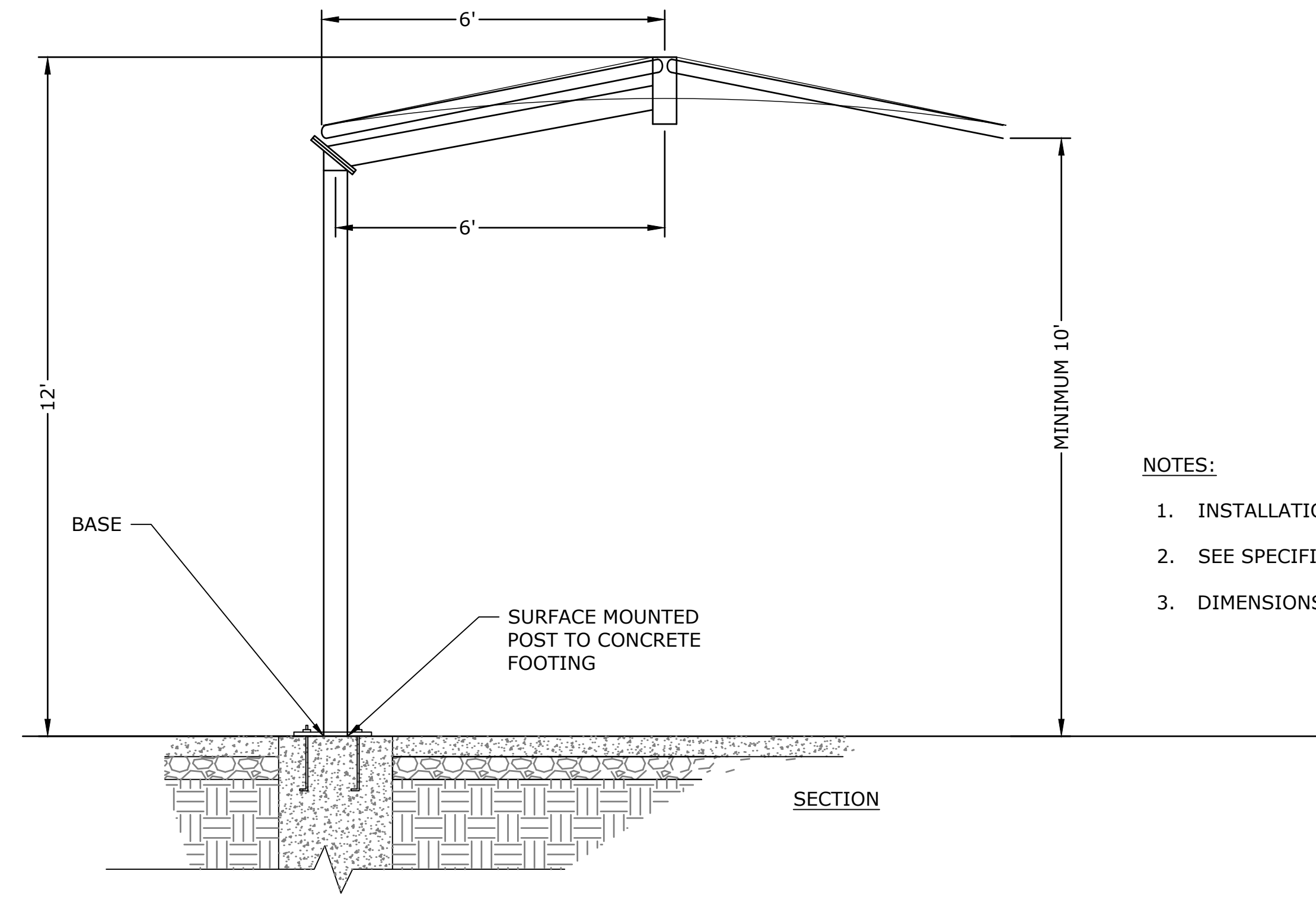
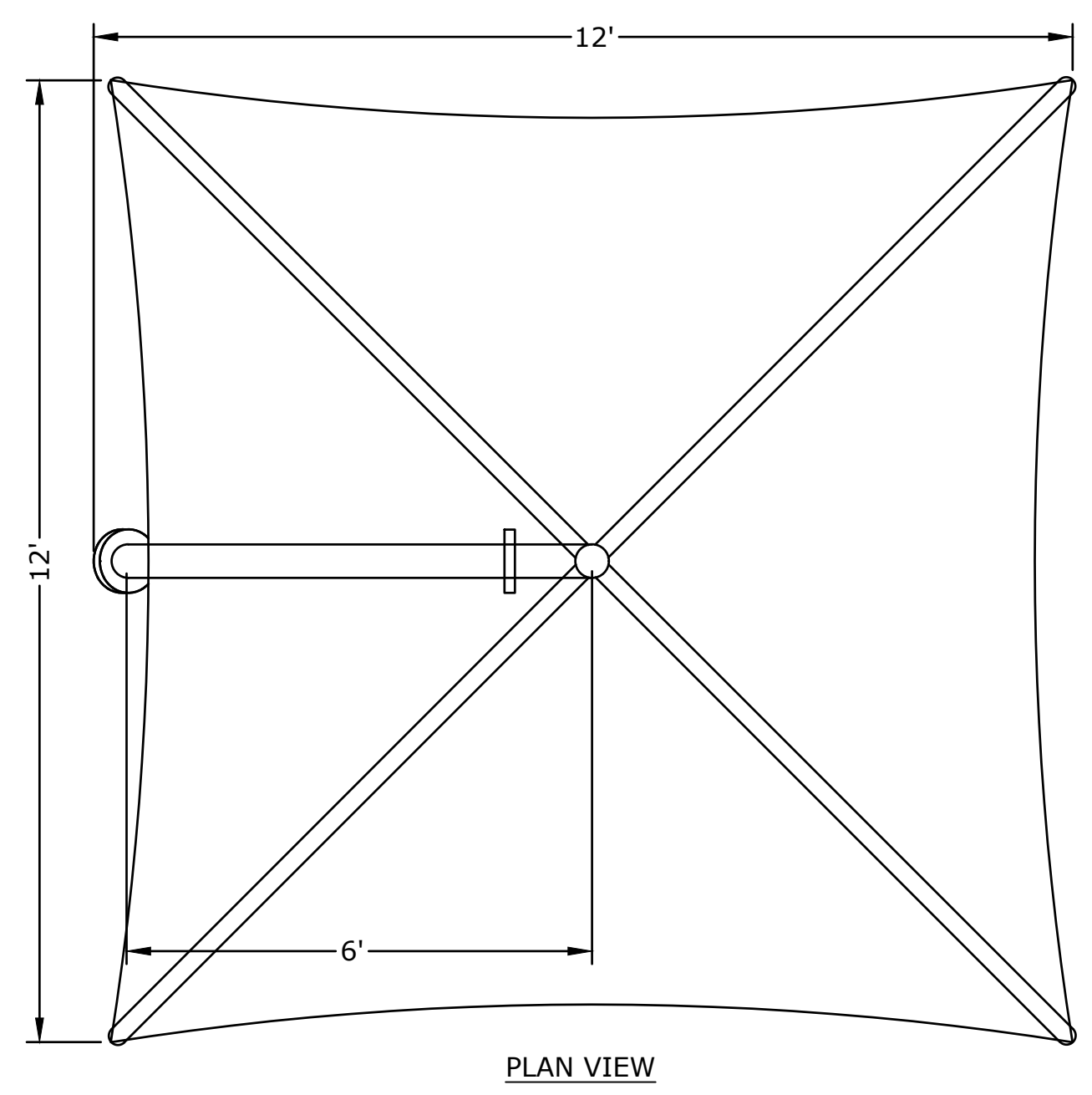
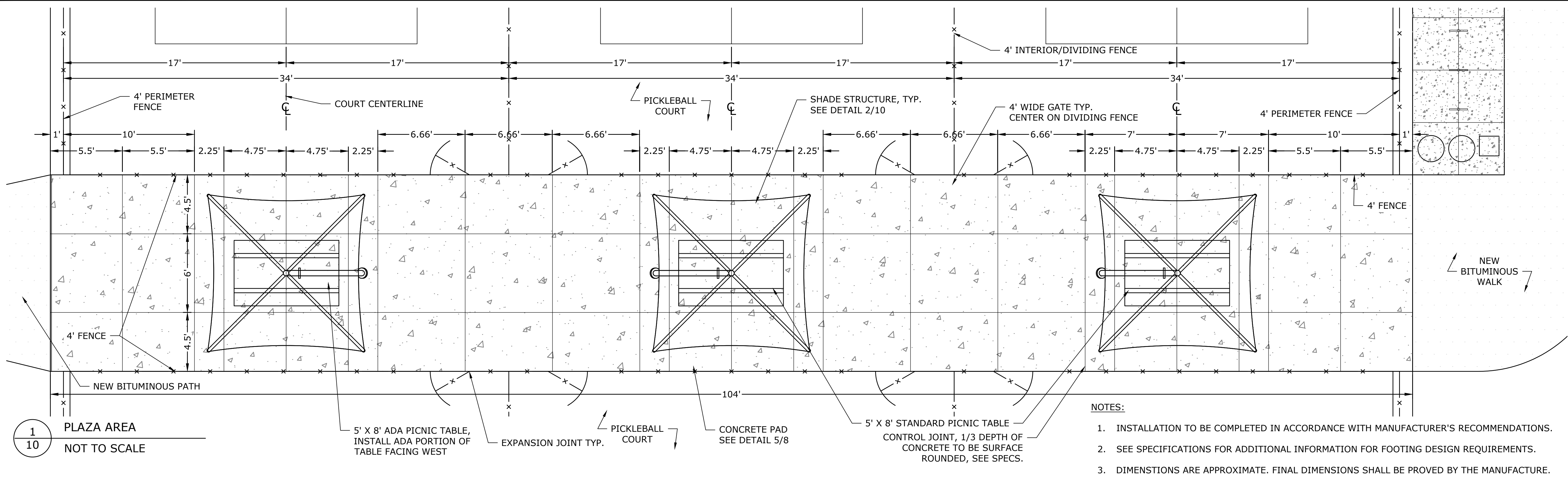
HT Engineering • Surveying
 Landscape Architecture
HANSEN THORP PELLIN OLSON, Inc.
 7510 Market Place Drive • Eden Prairie, MN 55344
 952-829-0700 • 952-829-7806 fax
 PROJECT NO. 21-057.1



DETAILS

LAKE NOKOMIS PICKLEBALL COURTS
 MINNEAPOLIS, MINNASOTA

SHEET
9
 OF
12



- NOTES:**
1. INSTALLATION TO BE COMPLETED IN ACCORDANCE WITH MANUFACTURER'S RECOMMENDATIONS.
 2. SEE SPECIFICATIONS FOR ADDITIONAL INFORMATION FOR FOOTING DESIGN REQUIREMENTS.
 3. DIMENSIONS ARE APPROXIMATE. FINAL DIMENSIONS SHALL BE PROVIDED BY THE MANUFACTURER.

2
10 SHADE STRUCTURE
NOT TO SCALE

FILE: P:\2022\21-057_MPRB_Merger_Contract_Engineering\Task 1 - Nokomis Pickleball Courts\CADD\WIP\PLANS\SHETS\CIVIL\21-057.1_DTL.dwg LAYOUT: 10
SCALE: 0 DATE/TIME: May 17 2022 2:33pm
USER: apawek XREF(0): 21-057.1_X-GEN_TBLK.dwg 21-057.1_X-SUR.dwg 21-057.1_X-LA-SITE.dwg

NO.	DATE	DRAWN	DESIGN	CHECKED	ISSUES / REVISIONS
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2	05-17-2022	JMB	WLD	WLD	BID SUBMITTAL

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William Delaney
WILLIAM DELANEY
LIC. NO. 40252 DATE: 04-20-2022

Hansen Thorp Pellinen Olson, Inc.
Engineering • Surveying
Landscape Architecture
7510 Market Place Drive • Eden Prairie, MN 55344
952-829-0700 • 952-829-7806 fax
PROJECT NO. 21-057.1

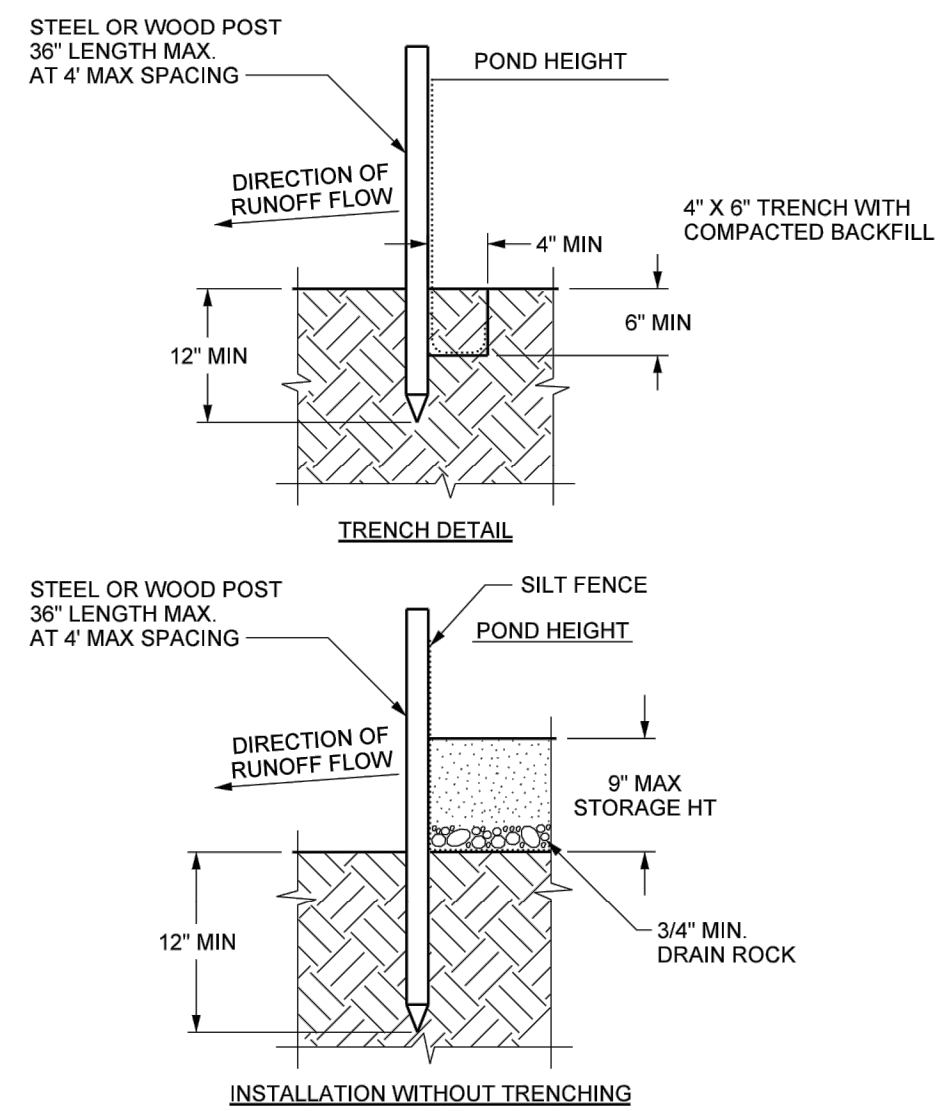


DETAILS

LAKE NOKOMIS PICKLEBALL COURTS
MINNEAPOLIS, MINNASOTA

SHEET
10
OF
12

SILT FENCE INSTALLATION



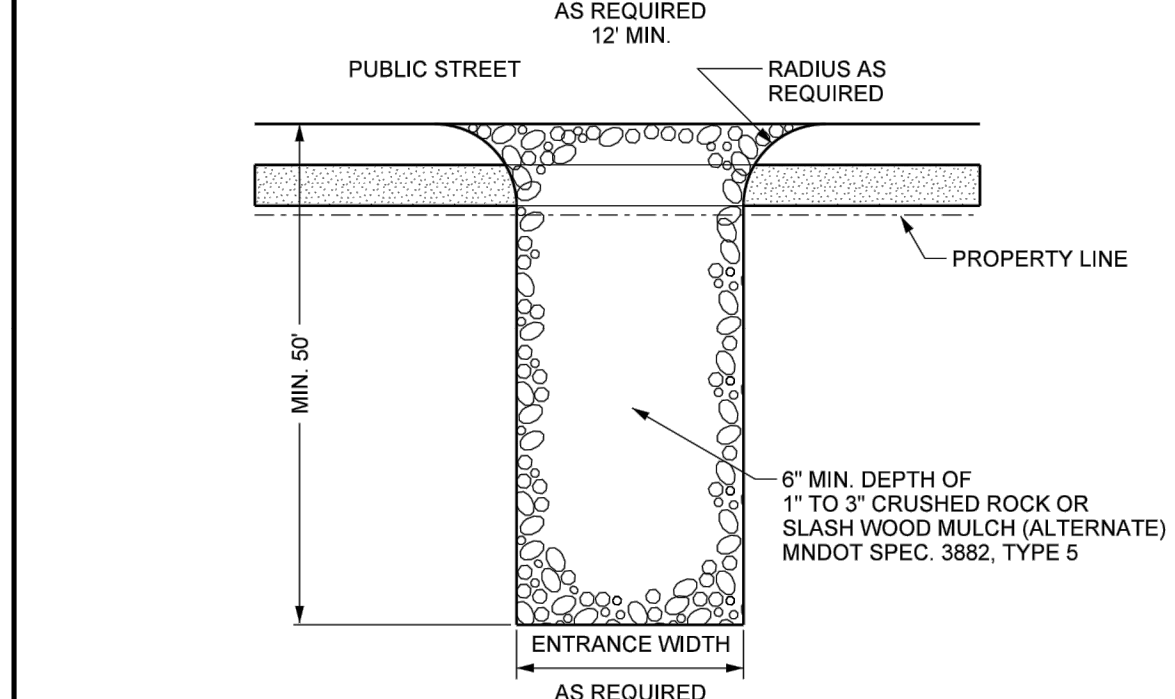
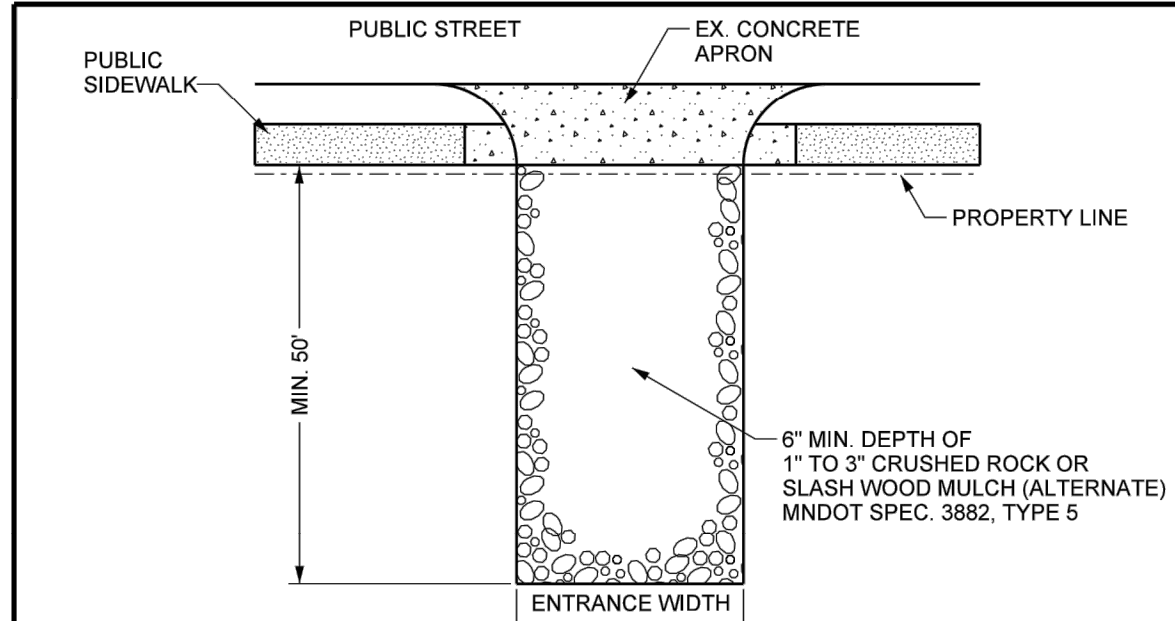
USE HI-FLOW FILTER FABRIC, 200 GAL. PER MINUTE PER SQUARE FOOT

- NOTES:
- SILT FENCE SHALL BE PLACED ON SLOPE CONTOURS TO MAXIMIZE PONDING EFFICIENCY.
 - INSPECT AND REPAIR FENCE AFTER EACH STORM EVENT AND REMOVE SEDIMENT WHEN NECESSARY. REQUIRED WHEN 1/3 FULL WITHIN 24 HOURS OF DISCOVERY. 9' MAXIMUM RECOMMENDED STORAGE HEIGHT.
 - REMOVED SEDIMENT SHALL BE DEPOSITED TO AN AREA THAT WILL NOT CONTRIBUTE SEDIMENT OFF-SITE AND PERMANENTLY STABILIZED ALSO SEE SEWR-8009.

REFERENCES: MINNESOTA URBAN SMALL SITES BMP MANUAL, MNDOT SPEC. REF. 2573, 3886, 3889.2 TYPE I
MNDOT EROSION CONTROL HANDBOOK

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 2573

DRW: CXD	DATE: 303	SEDIMENT CONTROL -- SILT FENCE	STANDARD PLATE NO. SEWR-8001
APP: HRS	DATE: 407		

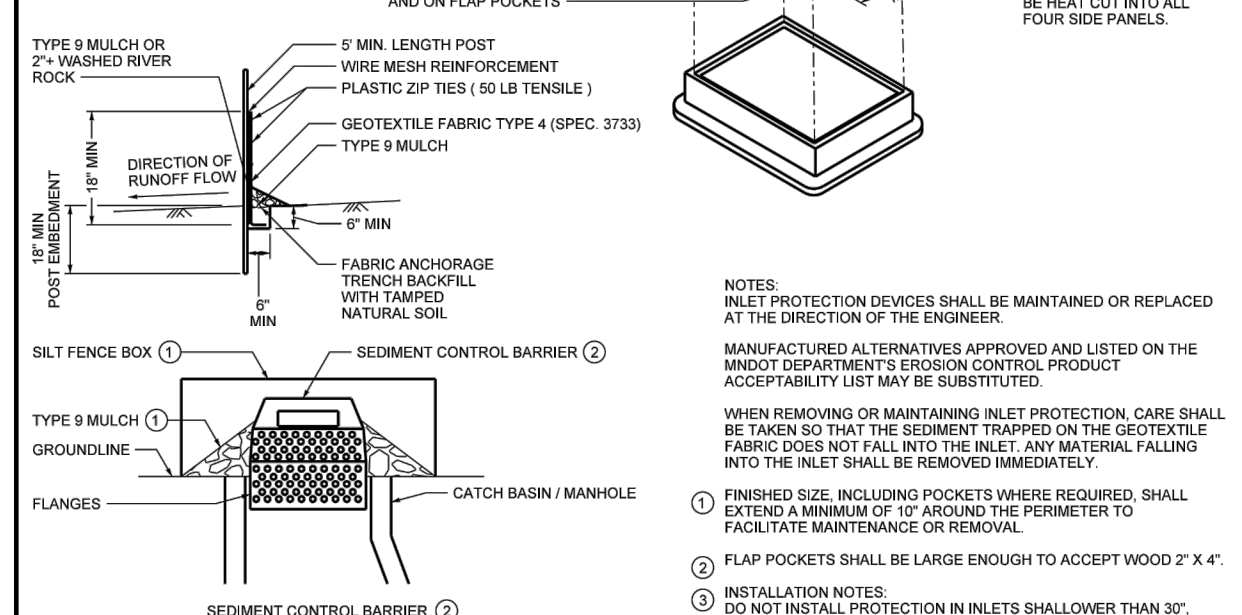
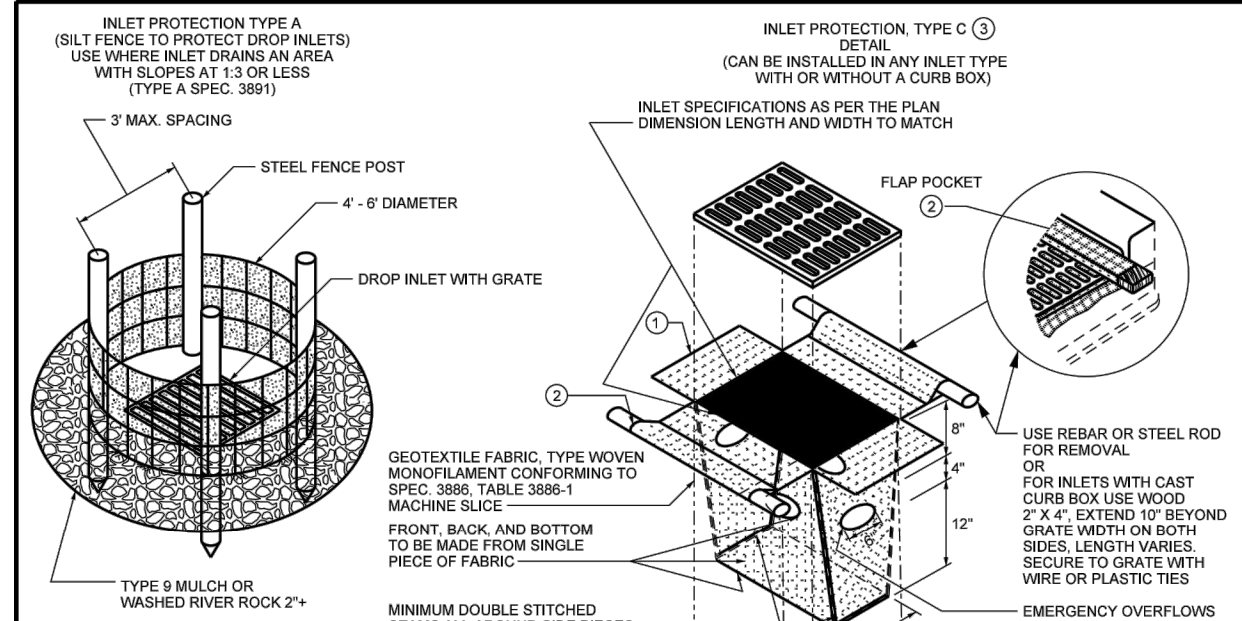


REMOVE TRACKED SEDIMENTS FROM PAVED SURFACES WITHIN 24 HOURS OF DEPOSITION PICK UP OR VACUUM SWEEPER REQUIRED

REFERENCES: MINNESOTA URBAN SMALL SITES BMP MANUAL, PP. 3-69 TO 3-73
MNDOT EROSION CONTROL HANDBOOK

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 2573

DRW: DCD	DATE: 307	SEDIMENT CONTROL -- ROCK ENTRANCE	STANDARD PLATE NO. SEWR-8002
APP: HRS	DATE: 407		



- NOTES:
- INLET PROTECTION TYPE A OR TYPE B SHALL BE MAINTAINED OR REPLACED AT THE DISCRETION OF THE ENGINEER.
 - MANUFACTURED ALTERNATIVES APPROVED AND LISTED ON THE MNDOT DEPARTMENT'S EROSION CONTROL PRODUCT ACCEPTABILITY LIST MAY BE SUBSTITUTED.
 - WHEN REMOVING OR MAINTAINING INLET PROTECTION, CARE SHALL BE TAKEN SO THAT THE SEDIMENT TRAPPED ON THE GEOTEXTILE FABRIC DOES NOT FALL INTO THE INLET. ANY MATERIAL FALLING INTO THE INLET SHALL BE REMOVED IMMEDIATELY.
 - FINISHED SIZE, INCLUDING POCKETS WHERE REQUIRED, SHALL EXTEND A MINIMUM OF 12" AROUND THE PERIMETER TO FACILITATE MAINTENANCE OR REMOVAL.
 - FLAP POCKETS SHALL BE LARGE ENOUGH TO ACCEPT WOOD 2" X 4".
 - INSTALLATION NOTES: DO NOT INSTALL PROTECTION IN INLETS SHALLOWER THAN 30". MEASURED FROM THE BOTTOM OF THE INLET TO THE TOP OF THE GRATE.
 - TRIM EXCESS FABRIC IN THE FLOW LINE TO WITHIN 2" OF THE GRATE.
 - THE INSTALLED BAG SHALL HAVE A MINIMUM SIDE CLEARANCE, MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG, BETWEEN THE INLET WALLS AND THE BAG, MEASURED AT THE BOTTOM OF THE OVERFLOW HOLES, OR 3" WHERE NECESSARY. THE CONTRACTOR SHALL CLINCH THE BAG USING PLASTIC ZIP TIES TO ACHIEVE THE 3" CLEARANCE. THE TIES SHALL BE PLACED AT A MAXIMUM OF 4" FROM THE BOTTOM OF THE BAG.

REFERENCES: MNDOT DRAFT PLATES

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 3891

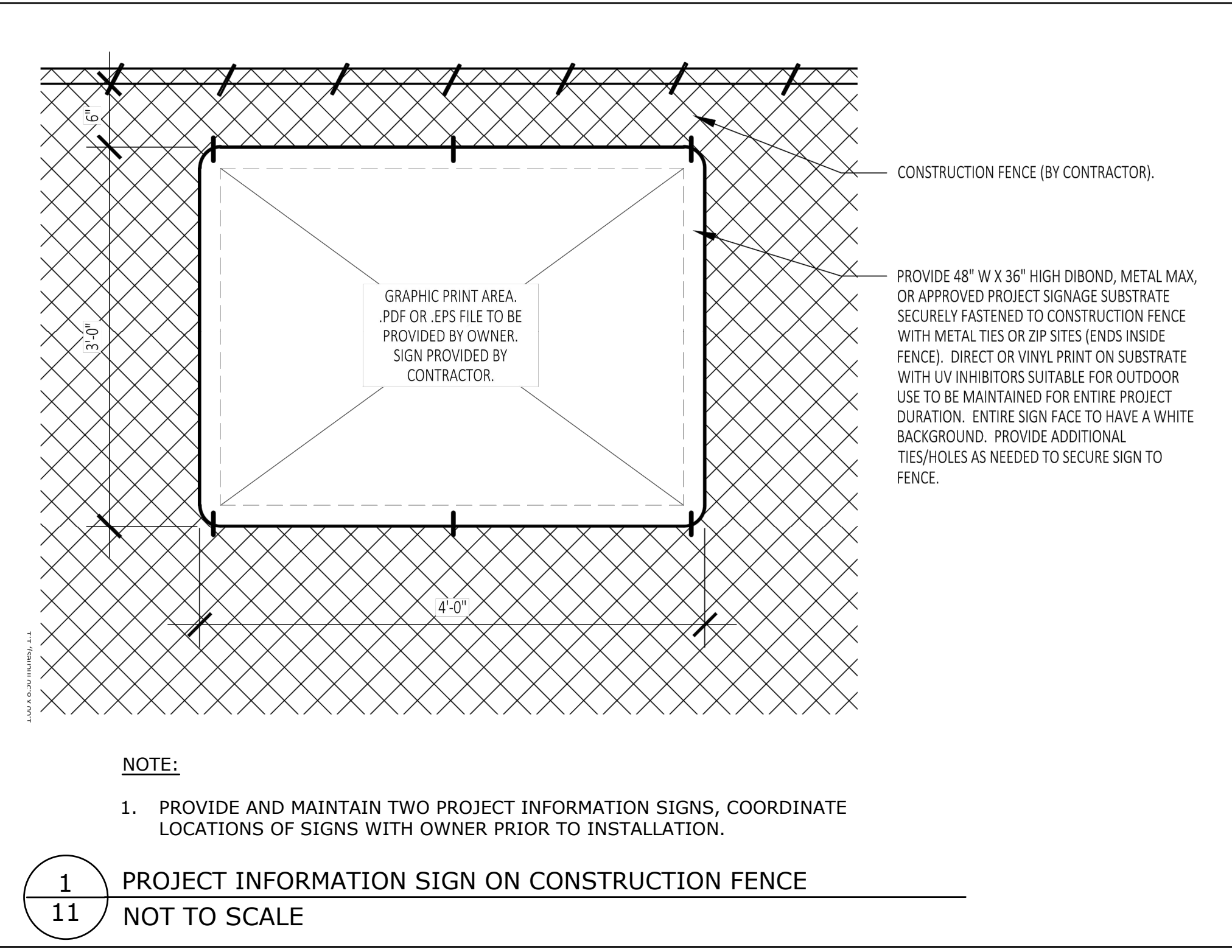
DRW: DCD	DATE: 105	INLET PROTECTION TYPE A & C	STANDARD PLATE NO. SEWR-8003
APP: HRS	DATE: 407		

EROSION AND SEDIMENT CONTROL NOTES

- INSTALL PERIMETER EROSION CONTROLS AS INDICATED IN PLANS PRIOR TO START OF WORK. HAY BALES ARE NOT ALLOWED AS EROSION & SEDIMENT CONTROL DEVICE IN MINNEAPOLIS.
- ESTABLISH ROCK CONSTRUCTION ENTRANCES PRIOR TO BEGINNING LAND DISTURBING ACTIVITIES. 1 1/2" - 3" WASHED AGGREGATE IS RECOMMENDED FOR ROCK ENTRANCES, A GEOTEXTILE FABRIC IS REQUIRED.
- REMOVE ALL SOILS AND SEDIMENTS DEPOSITED ONTO PUBLIC AND/OR PRIVATE PAVEMENT AREAS WITHIN 24 HOURS OF DEPOSITION. REMOVAL OF TRACKING MATERIALS SHALL BE COMPLETED AT THE END OF EACH WORK DAY WHEN TRACKING OCCURS. SWEEPING MAY BE ORDERED AT ANY TIME IF CONDITIONS WARRANT. SWEEPING SHALL BE MAINTAINED THROUGHOUT THE DURATION OF CONSTRUCTION AND IN SUCH A MANNER TO PREVENT DUST BEING BLOWN TO ADJACENT PROPERTIES.
- INSTALL INLET PROTECTION IN ALL DOWNSTREAM CATCH BASINS WHICH RECEIVE RUNOFF FROM THE DISTURBED AREA. CATCH BASIN INSERTS ARE REQUIRED AT ALL LOCATIONS NOT WITHIN THE DISTURBED AREA WHICH RECEIVE RUNOFF (MNDOT TYPE C INLET PROTECTION). NOTE HAY BALES AND SILT FENCE WRAPPED GRATES ARE NOT EFFECTIVE AND ARE NOT APPROVED FOR USE AS INLET PROTECTION DEVICES.
- LOCATE ALL SOIL AND DIRT PILES NO LESS THAN 25 FEET FROM ANY PUBLIC OR PRIVATE ROADWAY OR DRAINAGE CHANNEL. ALL STOCK PILES THAT REMAIN IN PLACE FOR 7 DAYS OR MORE SHALL BE STABILIZED BY MULCHING, VEGETATIVE COVER, TARPING OR OTHER MEANS. TEMPORARY STOCK PILES LOCATED ON PAVED SURFACES MUST BE AT LEAST 2 FEET OR MORE AWAY FROM THE DRAINAGE/GUTTER LINE AND SHALL BE COVERED IF REMAINING MORE THAN 24 HOURS.
- MAINTAIN ALL TEMPORARY EROSION CONTROL DEVICES IN PLACE UNTIL THE CONTRIBUTING DRAINAGE AREA HAS BEEN STABILIZED. INSPECT TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES ON A WEEKLY BASIS AND REPLACE DETERIORATED, DAMAGED OR ROTTED EROSION CONTROL DEVICES IMMEDIATELY.
- MAINTENANCE OF EROSION AND SEDIMENT CONTROL DEVICES SHALL BE PERFORMED WHENEVER THE DEVICE IS 30% FULL. FAILURE TO MAINTAIN EROSION CONTROL DEVICES MAY LEAD TO FURTHER ENFORCEMENT ACTION. WEEKLY INSPECTIONS REQUIRED AND AFTER EACH 1/2" OR MORE RAIN EVENT WITHIN 24 HRS.
- READY MIXED CONCRETE AND BATCH PLANT WASHOUTS PROHIBITED WITHIN THE PUBLIC RIGHT OF WAY. DESIGNATE CONCRETE WASHOUT AND MIXING LOCATIONS IN THE EROSION CONTROL PLANS. UNDER NO CIRCUMSTANCES MAY WASHOUT WATER DRAIN ONTO THE PUBLIC RIGHT OF WAY OR INTO THE PUBLIC STORM DRAIN.
- TEMPORARILY OR PERMANENTLY STABILIZE ALL DENUDED AREAS WHICH HAVE BEEN FINISH GRADED WITHIN 7-14 DAYS (SLOPE DEPENDENT). USE SEEDING AND MULCHING. EROSION CONTROL MATTING AND/OR SODDING WITH TEMPORARY STAKING IN GREEN SPACE AREAS. USE EARLY APPLICATION OF GRAVEL BASE FOR AREAS DESIGNATED FOR PAVED SURFACING.
- REMOVE ALL TEMPORARY SYNTHETIC, STRUCTURAL AND NON-BIODEGRADABLE EROSION AND SEDIMENT CONTROL AFTER THE SITE HAS UNDERGONE FINAL STABILIZATION AND PERMANENT VEGETATION HAS BEEN ESTABLISHED. MINIMUM VEGETATION COVER OF 70% REQUIRED. ALL TEMPORARY EROSION AND SEDIMENT CONTROL DEVICES SHALL BE MAINTAINED UNTIL THE SITE HAS 70% ESTABLISHED VEGETATIVE COVER AND ALL PAVED AREAS HAVE BEEN STABILIZED WITH THE SELECTED PAVEMENT TYPE.
- ADDITIONAL EROSION CONTROL MAY BE REQUIRED BY OTHER PERMITTING AGENCIES. IT IS THE RESPONSIBILITY OF THE PROJECT ENGINEER TO VERIFY THAT THE CITY AND ALL OTHER AGENCY REQUIREMENTS ARE MET.

MINNEAPOLIS CUSTOM MNDOT SPEC. REF. 2573

DRW: DCD	DATE: 806	EROSION CONTROL NOTES	STANDARD PLATE NO. SEWR-8007
APP: HRS	DATE: 407		



- NOTE:
- PROVIDE AND MAINTAIN TWO PROJECT INFORMATION SIGNS, COORDINATE LOCATIONS OF SIGNS WITH OWNER PRIOR TO INSTALLATION.

1 PROJECT INFORMATION SIGN ON CONSTRUCTION FENCE
11 NOT TO SCALE

FILE: P:\2024\1057_MPRB_Merger_Contract_Engineering\Task 1 - Nekomis Pickleball Courts\CADD\WGP\ANSHEETS\CIVIL\21-057-1_DTL.dwg LAYOUT: 11
SCALE: 0 DATE/TIME: May 17 2022 2:33pm
USER: apawek XREF(6): 21-057-1_X-GEN_TBL.dwg 21-057-1_X-SUR.dwg 21-057-1_X-LA-SITE.dwg

NO.	DATE	DRAWN	DESIGN	CHECKED	ISSUES / REVISIONS
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William Delaney
WILLIAM DELANEY
LIC. NO. 40252 DATE: 04-20-2022

HT Engineering • Surveying
Landscape Architecture

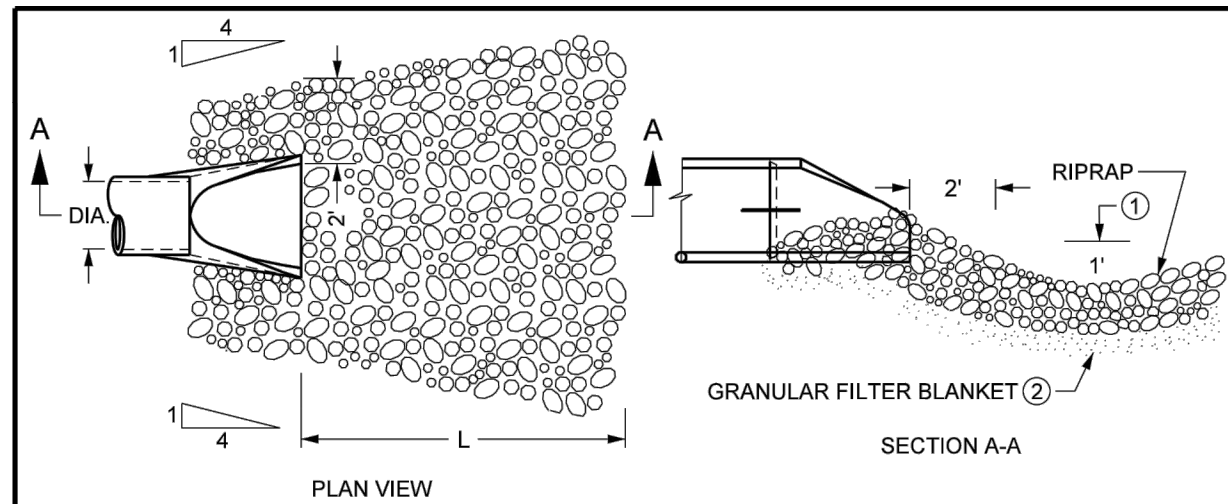
HANSEN THORP PELLIN OLSON, Inc.
7510 Market Place Drive • Eden Prairie, MN 55344
952-829-0700 • 952-829-7806 fax
PROJECT NO. 21-057.1

Minneapolis
Park & Recreation Board

DETAILS

LAKE NOKOMIS PICKLEBALL COURTS
MINNEAPOLIS, MINNAPOLIS

SHEET
11
OF
12

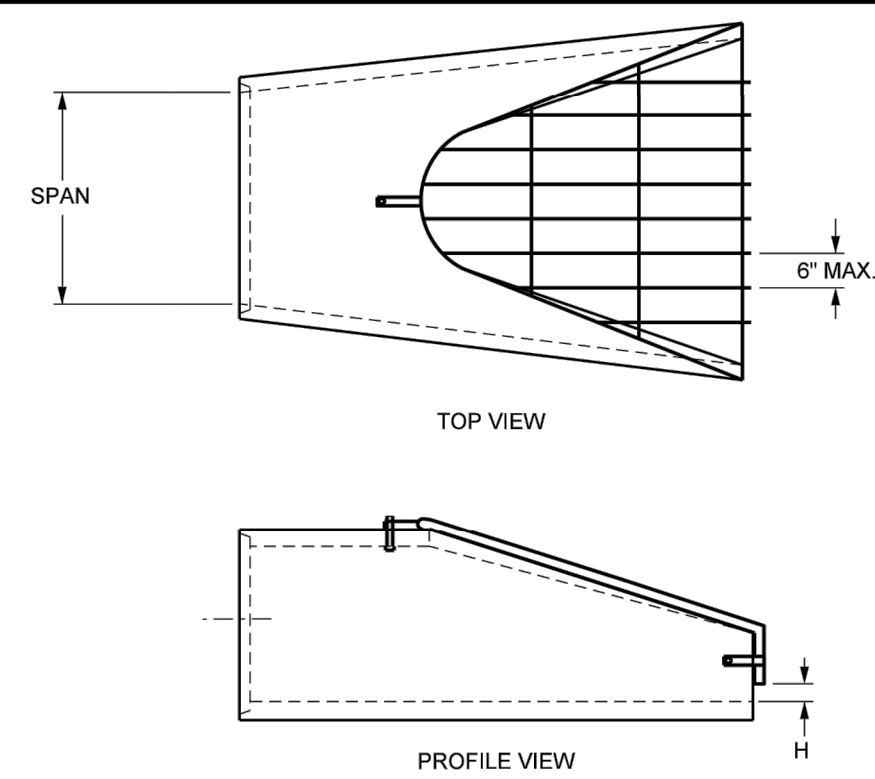


DIA. OF ROUND PIPE (IN.)	L (FT.)	CLASS II 950 = 8"		CLASS III 950 = 9"		CLASS IV 950 = 12"	
		12" DEPTH RIPRAP (CU.YDS.)	6" DEPTH GRANULAR FILTER (CU.YDS.)	18" DEPTH RIPRAP (CU.YDS.)	9" DEPTH GRANULAR FILTER (CU.YDS.)	24" DEPTH RIPRAP (CU.YDS.)	12" DEPTH GRANULAR FILTER (CU.YDS.)
12	8	2.8	1.4	4.1	2.1	5.5	2.8
15	8	2.9	1.5	4.4	2.2	5.8	2.9
18	10	3.9	2.0	5.9	3.0	7.8	3.9
21	10	4.2	2.1	6.3	3.2	8.4	4.2
24	12	5.5	2.8	8.3	4.2	11.0	5.5
27	12	5.8	2.9	8.7	4.4	11.6	5.8
30	14	7.3	3.7	10.9	5.5	14.5	7.3
36	16	9.2	4.6	13.8	6.9	18.3	9.2
42	18	10.9	5.5	16.3	8.2	21.7	10.9
48	20	12.9	6.5	19.4	9.7	25.8	12.9

- ① FOR PIPES GREATER THAN OR EQUAL TO 30" USE 1.5'
- ② GEOTEXTILE FABRIC MAY BE SUBSTITUTED FOR GRANULAR FILTER UNLESS OTHERWISE SPECIFIED. FABRIC SHALL COVER THE AREA OF RIPRAP AND EXTEND UNDER THE CULVERT APRON 3 FT. FABRIC SHALL MEET MNDOT SPEC. 3733.

NOTES:
PIPE SIZES LARGER THAN THOSE SHOWN REQUIRE A SPECIAL DESIGN.
REQUIREMENTS FOR RIPRAP SIZE, THICKNESS AND FILTER BLANKET WILL BE DESIGNATED IN THE PLANS.
MNDOT SPEC. REF. 3601, 3733
MNDOT 3133C
NOT TO SCALE

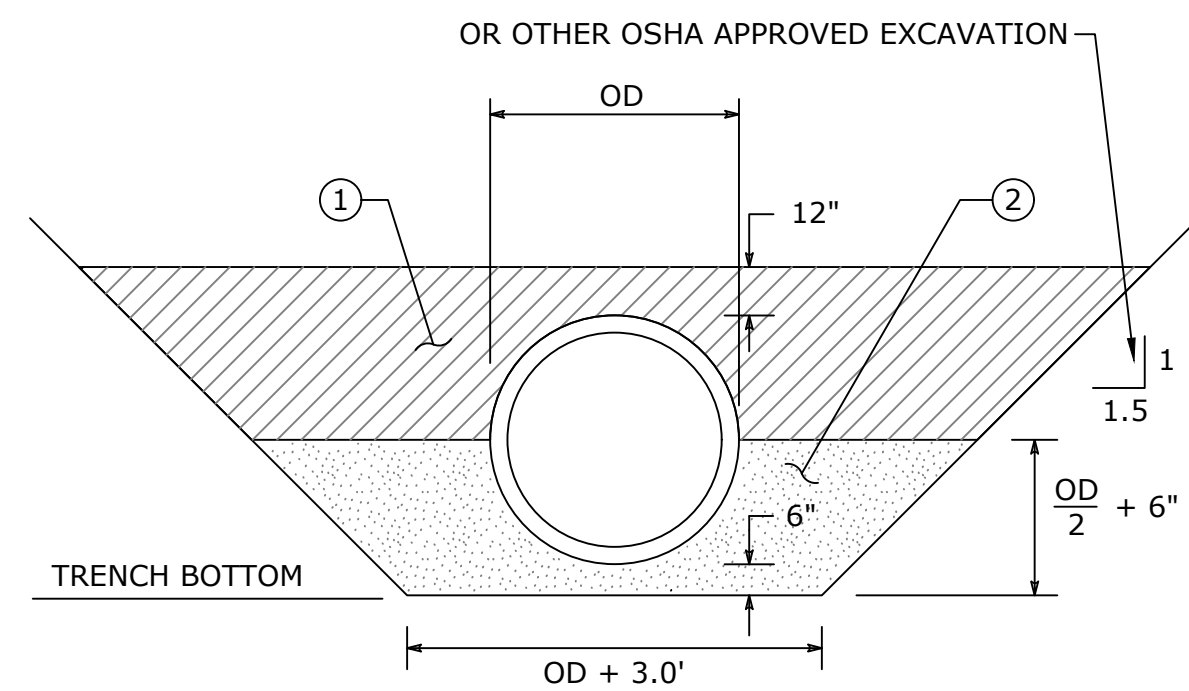
MINNEAPOLIS Public Works	DRW: CXD DATE: 403	RIPRAP AT RC PIPE OUTLETS	STANDARD PLATE NO. SEWR-3005
	APP: HRS DATE: 1206		



DIA.	SPAN	STD. BAR DIA.	HEAVY DUTY BAR	H	BOLT SIZE
18	22	5/8	3/4	4	5/8
24	28 1/2	3/4	1	4	3/4
30	36 1/4	3/4	1	5	3/4
36	43 3/4	3/4	1	5	3/4
42	51 1/8	3/4	1	6	3/4
48	58 1/2	1	1 1/4	6	1
54	65	1	1 1/4	6	1
60	73 1/2	1	1 1/4	7	1
72	88	1	1 1/4	7	1

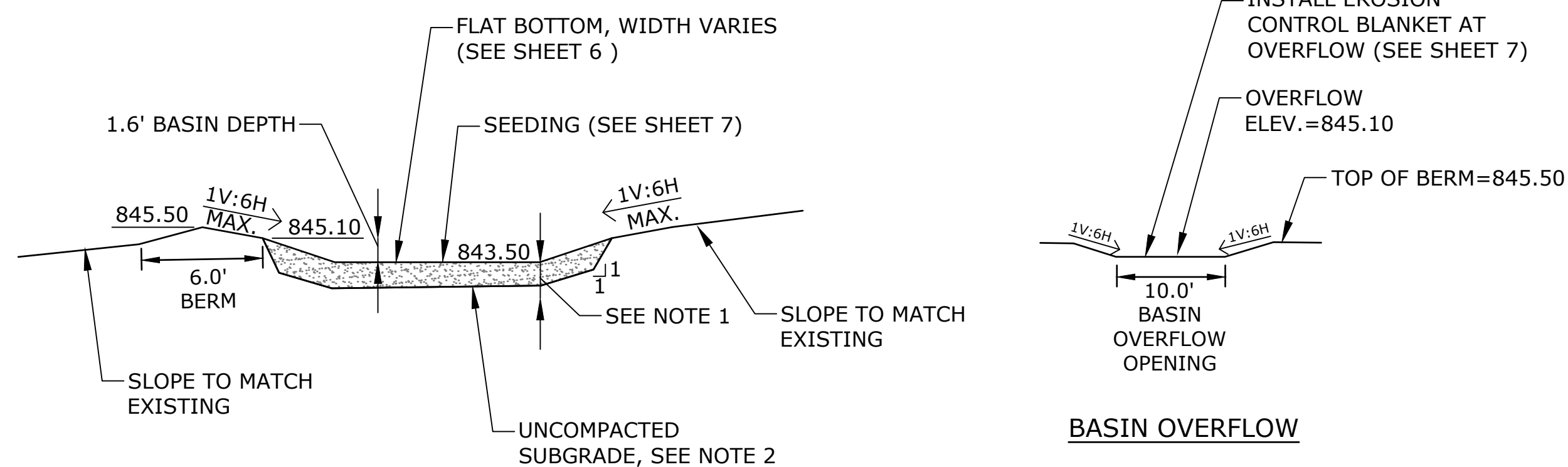
NOTES:
DIMENSIONS ARE IN INCHES.
HEAVY DUTY BAR CONSTRUCTION 2503 573 INSTALL TRASH GUARD EA. CONFIGURATION AND BAR DIAMETERS MAY VARY BY MANUFACTURER.
HOT DIP GALVANIZED PER MNDOT 3392 AND ASTM A153.
MINNEAPOLIS CUSTOM
MNDOT SPEC. REF. 2503, 3392
NOT TO SCALE

MINNEAPOLIS Public Works	DRW: CXD DATE: 403	RC PIPE FLARED END/APRON TRASH GUARD	STANDARD PLATE NO. SEWR-3010
	APP: HRS DATE: 1206		



- ① SUITABLE COMPACTED ONSITE MATERIAL IF APPROVED BY THE ENGINEER, OTHERWISE BACKFILL IN THIS ZONE SHALL BE GRANULAR MATERIAL MEETING THE REQUIREMENTS OF MNDOT 3149.2D.1.
- ② BEDDING SHALL BE GRANULAR MATERIAL MEETING THE REQUIREMENTS OF MNDOT 3149.2F. THE MATERIAL SHALL BE DENSELY COMPACTED USING MECHANICAL TOOLS.

1 PIPE BEDDING
12 NOT TO SCALE



- NOTES:
- PLACE 3" OF GRADE 2 COMPOST (MNDOT 3890) IN BASIN. ROTOTILL COMPOST INTO THE IN-SITU SOIL TO A MIN. DEPTH OF 12".
 - SCARIFY TOP 18" OF SUBGRADE SOIL PRIOR TO PLACEMENT OF COMPOST.
 - INSTALLATION OF COMPOST SHALL NOT OCCUR UNTIL TRIBUTARY AREAS TO THE BASIN HAVE BEEN STABILIZED.
 - CONTRACTOR SHALL TAKE SPECIAL CARE TO MINIMIZE COMPACTION IN INFILTRATION BASIN AREA.
 - INSTALL SILT FENCE AROUND INFILTRATION BASIN IMMEDIATELY FOLLOWING EXCAVATION OF BASIN.

2 INFILTRATION BASIN TYPICAL SECTION
12 NOT TO SCALE

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2	05-17-2022	JMB	AMP	AMP	BID SUBMITTAL

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Adam Pawelk
ADAM PAWELK
LIC. NO. 49990 DATE: 04-20-2022

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