

**LEGAL DESCRIPTION**

That part of the South Half of the Northeast Quarter of Section 28, Township 30 North, Range 21 West, Grant Township, Washington County, Minnesota, which lies Westerly and Northwesterly of the Northwesterly line of Minnesota Department of Natural Resources Trail (formerly known as its Soo Line Railroad right-of-way) and which lies Northerly of the Northerly line of Washington County Highway Right of Way Plate No. 19, according to the plat thereof on file and of record in the office of the County Recorder, Washington County, Minnesota. Excepting from said South Half of the Northeast Quarter that parcel described as follows: Commencing at a point 113.2 feet West and 33 feet North of the East Quarter of said Section 28, which point is on the North right-of-way of County Road #2 for the point of beginning, thence North a distance of 100 feet thence East a distance of 177.95 feet to the Westerly right-of-way line of the Minneapolis, St. Paul & Sault Ste. Marie Railroad, thence Southwesterly with an inside angle of 2 degrees 11 minutes and along the Westerly right-of-way line of said Railroad a distance of 127 feet to the right-of-way line of said County Road #2; thence West along the North right-of-way line of said County Road #2 a distance of 100 feet to the point of beginning.

That part of the Southeast Quarter of the Northwest Quarter of Section 28, Township 30 North, Range 21 West, which lies Easterly of the West 995.3 feet of said Southeast Quarter of the Northwest Quarter. (This parcel is subject to C.S.A.H. No. 12)

The Westerly 30 feet of the Southeast Quarter of the Northwest Quarter of Section 28, Township 30 North, Range 21 West. (This parcel is subject to C.S.A.H. No. 12)

The Southwest Quarter of the Northwest Quarter of Section 28, Township 30 North, Range 21 West. (Parcel subject to C.S.A.H. No. 12)

The Westerly Two (2) feet of the Northwest Quarter of the Northwest Quarter (NW 1/4 of NW 1/4) of Section Twenty-Eight (28), Township 30 North (T30N), Range 21 West (R21W), of the Fourth Principal Meridian, Washington County, Minnesota. Doc. No. 255925

The East 303.1 feet of the Southeast Quarter of the Northeast Quarter of Section 29, Township 30 North, Range 21 West; and that part of the Northeast Quarter of the Southeast Quarter lying north of a 100 foot strip of land formerly owned by Mpls. & St. Paul Suburban Railway that part of said railway all lying Easterly of a line 303.1 feet West measured at right angles to the southerly prolongation of the centerline of the Northeast Quarter of said Section 29, Township 30 North, Range 21 West, Washington County, Minnesota. (Subject to ingress and egress per Doc. No. 6161515) Doc. No. 299316

That part of the West Half (W1/2) of the Southwest Quarter (SW1/4) of Section 28, Township 30 North, Range 21 West, Washington County, Minnesota lying north of a one hundred (100) foot strip of land formerly owned by Minneapolis and St. Paul Suburban Railway. Doc. No. 303464

That part of the Northeast 1/4 of the Northwest 1/4 of the Southwest 1/4 of Section 28, Township 30 North, Range 21 West, Washington County, Minnesota, lying North of a 100 foot strip of land formerly owned by the Minneapolis and St. Paul Suburban Railway, Subject to County Road No. 12. Doc. No. 332970

A strip, 100 feet wide, for right of way of Interurban Railroad, lying within the Northwest 1/4 of the Southwest 1/4 of Section 28, Township 30 North Range 21 West, Subject to County Road 12. Doc. No. 286451

That part of the East lying North of the 100' strip of land formerly owned by the Minneapolis and St. Paul Suburban Railway in the Southwest Quarter (SW 1/4) of Section 28, Township 30 North, Range 21 West, Washington County, Minnesota. Doc. No. 350233 vague description

That part of the East Half lying North of the 100 foot strip of land formerly owned by the Minneapolis and St. Paul Suburban Railway in the Southwest (SW 1/4) of Section 28, Township 30 North, Range 21 West, Washington County, Minnesota. Doc. No. 303463 vague description

Note: Above parcels are subject to C.S.A.H. No. 12, Washington County Highway Right of Way Plate Nos. 19 and 79, and Highway Right of Way Easements 297806 and 297807

**GENERAL NOTES**

- Background information is based on a survey on the ground performed by Clark Engineering Corporation on June - August, 2010 exclusively for this project.
- All dimensions depicted on this survey are in feet and decimals of a foot, unless otherwise indicated.
- For the purpose of this survey, no title work was provided regarding legal descriptions and easements of record. It is Clark Engineering Corp. opinion that easements of record be researched prior to design and construction (any utilities or structures). Legal descriptions and easements of record were researched at the Washington County Recorder by Clark Engineering Corp. to the best of our ability.
- For the purpose of this survey, a Gopher State One-Call public utility locate ticket (No. 100205783 and 100205822) was prepared. Private utility locations were not identified as part of this survey. The contractor must verify all utility locations prior to construction/excavation. Note: State law requires underground utilities to be located 48 hours prior to construction/excavation. Gopher State One-Call: (651) 454-0002
- Property boundaries access to public right-of-way. As shown on this survey.
- Contractor verify all underground utilities prior to construction of new improvements. Which includes and is not limited to pipe sizes, types of pipes, inverts, directions of flow, utility type and all other elements related to each underground utility.
- Underground utility lines are shown based on visible surface features, partial locator marks, and records of the City of Mahtomedi, Northern Natural Gas, Arizona Comm. Tech., Quest Comm., Comcast, Xcel Energy and Cab Pipeline Co. Lp. Private underground lines, including electric cables, lawn sprinkler lines and fuel tank lines, appear to exist on site but are not shown. Other private utility lines may exist.
- Shrubs, precast parking bumpers, moveable signs and markers in parking lot, small parking/traffic signs (on property and streets) are not shown.
- Building corners, facades and knee walls are not shown.
- The northerly portion of the survey on sheets 4 and 5 are based on Clark Engineering Corporation's survey Comm. No. CC41 as shown.
- Wetland delineations provided by Wetwood Professional Services in 2010 and Peterson Environmental in 2002 as noted on survey.

**AREA**

AREA = 6,488.74 Sq. Ft. (148.96 ACRES)

**BENCHMARKS**

BM #1 Top out of hydrant 40'-feet west of the Mahtomedi Middle School loading dock as shown Elevation: 1036.25 feet

**UTILITY INVERT LEGEND**

- ▲ RIM=1026.92  
INV=1020.75(SW)  
INV=1021.8(S)
- ▲ RIM=1027.47  
INV=1018.9
- ▲ RIM=1026.57  
INV=1018.1
- ▲ RIM=1037.17  
INV=1022.7(N)  
INV=1022.4(SW,SE)
- ▲ RIM=1029.36  
INV=1020.4
- ▲ RIM=1027.50  
INV=1018.3
- ▲ RIM=1028.25  
INV=1023.3

**CERTIFICATION**

I hereby certify that this survey, plan or map was prepared by me or under my direct supervision and that I am a duly Registered Land Surveyor under the laws of the State of Minnesota.

*Paul A. Johnson*  
Paul A. Johnson, Land Surveyor  
Minnesota License No. 10938

Dated 10-04-10

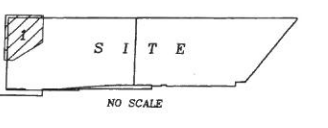
**LEGEND:**

- Found Cast Iron Monument (CIM)
- Set 1/2 inch by 14 inch Iron Pipe with Plastic Cap Inscribed with License No. 10938
- Found Iron Pipe
- Found/Set P.K. Nail
- Found Monument
- Boundary Line
- Right-of-Way Line
- Existing Elevation Contour Line
- Tree Line
- x 900.0 Existing Spot Elevation
- ▭ Building Line
- ▭ Concrete Surface
- Curb Line
- Fence Line
- Overhead Utility Line
- Underground Electric Line
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- Guy Wire
- Signal Pole
- Flag Pole
- Ballard/Guard Post
- Light Pole
- Deciduous Tree
- Coniferous Tree
- FFE Finished Floor Elevation
- DNH Top Nut Hydrant
- RM Structure Rim Elevation
- INV Structure Invert Elevation

**TREE LEGEND**

- M DENOTES MAPLE
- RB DENOTES RIVER BIRCH
- CH DENOTES CHERRY
- O DENOTES OAK
- P DENOTES PINE
- S DENOTES SPRUCE
- L DENOTES LINDEN
- J DENOTES JUNIPER
- L DENOTES LOCUST
- H DENOTES HACKBERRY
- A DENOTES ASH

**SHEET LAYOUT**



**CLARK**  
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BOUNDARY & TOPOGRAPHIC SURVEY FOR:  
**MAHTOMEDI PUBLIC SCHOOLS**  
PROJECT:  
**MAHTOMEDI HIGH AND WILDWOOD ELEM SITES**  
MAHTOMEDI, MINNESOTA

SHEET TITLE

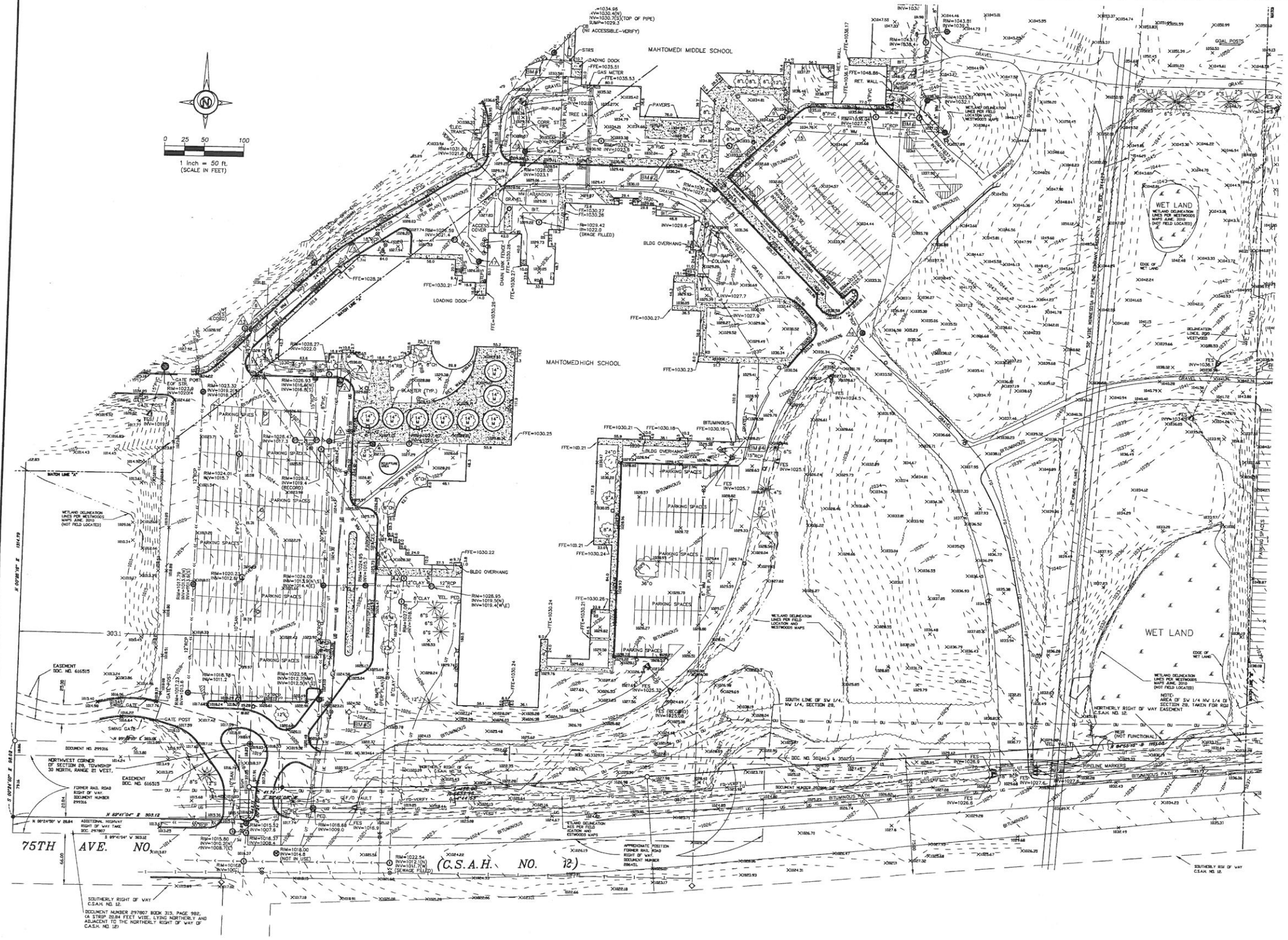
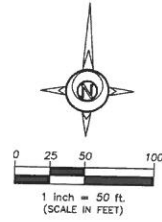
DATE

REVISIONS

DRAWN BY  
DSB  
CHECKED BY  
PAJ  
DATE  
10/04/10  
PROJECT NO.  
C10512  
SHEET NO.

**1**

Sheet 1 of 6



**LEGEND:**

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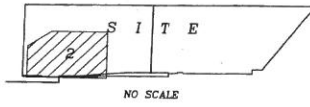
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  - CH DENOTES CHERRY
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  - J DENOTES JUNPER
  - L DENOTES LOCUST
  - H DENOTES HACKBERRY
  - A DENOTES ASH

- UTILITY INVERT LEGEND**
- |   |   |   |
|---|---|---|
| △ RIM=1027.55<br>INV=1023.8(N)<br>INV=1023.2(S)<br>SUMP=1019.6                            | △ RIM=1026.86<br>INV=1016.6                                       | △ RIM=1030.80<br>INV=1024.8(NW)<br>INV=1024.7(SW)             |
| △ RIM=1027.46<br>INV=1023.2(N)<br>INV=NOT VISIBLE(SW)<br>SUMP=1020.0                      | △ RIM=1034.71<br>INV=1026.5                                       | △ RIM=1025.97<br>INV=1022.0                                   |
| △ RIM=1027.07<br>INV=1016.6(NE)<br>INV=1020.3(E)<br>INV=1029.5(W/S)<br>INV=NOT VISIBLE(N) | △ RIM=1033.51<br>INV=1025.9                                       | △ RIM=1046.17<br>INV=1037.5(N)<br>INV=1035.0(S)<br>INV=1026.8 |
| △ RIM=1026.64<br>INV=1023.4   | △ RIM=1027.37<br>INV=1018.1                                       | △ RIM=1031.61<br>INV=1028.8(NE\SW)<br>INV=1026.4(SE)          |
|   | △ RIM=1034.09<br>INV=1027.2(N)<br>INV=1027.9(E)<br>INV=1027.0(SW) |   |

**BENCHMARKS**

- BM #2 Top nat of drain 40'-/- feet south of the south end of Mahtomedi Middle School as shown  
Elevation = 164.89 feet
- BM #3 Top nat of drain 60'-/- feet southeast of the southeast corner of Mahtomedi Middle School as shown  
Elevation = 1639.28 feet
- BM #4 Top nat of drain 10'-/- feet south of the east wing of Mahtomedi High School as shown  
Elevation = 1030.31 feet
- BM #5 Top nat of drain 120'-/- feet west of the southwest corner of Mahtomedi High School as shown  
Elevation = 1027.06 feet

**SHEET LAYOUT**



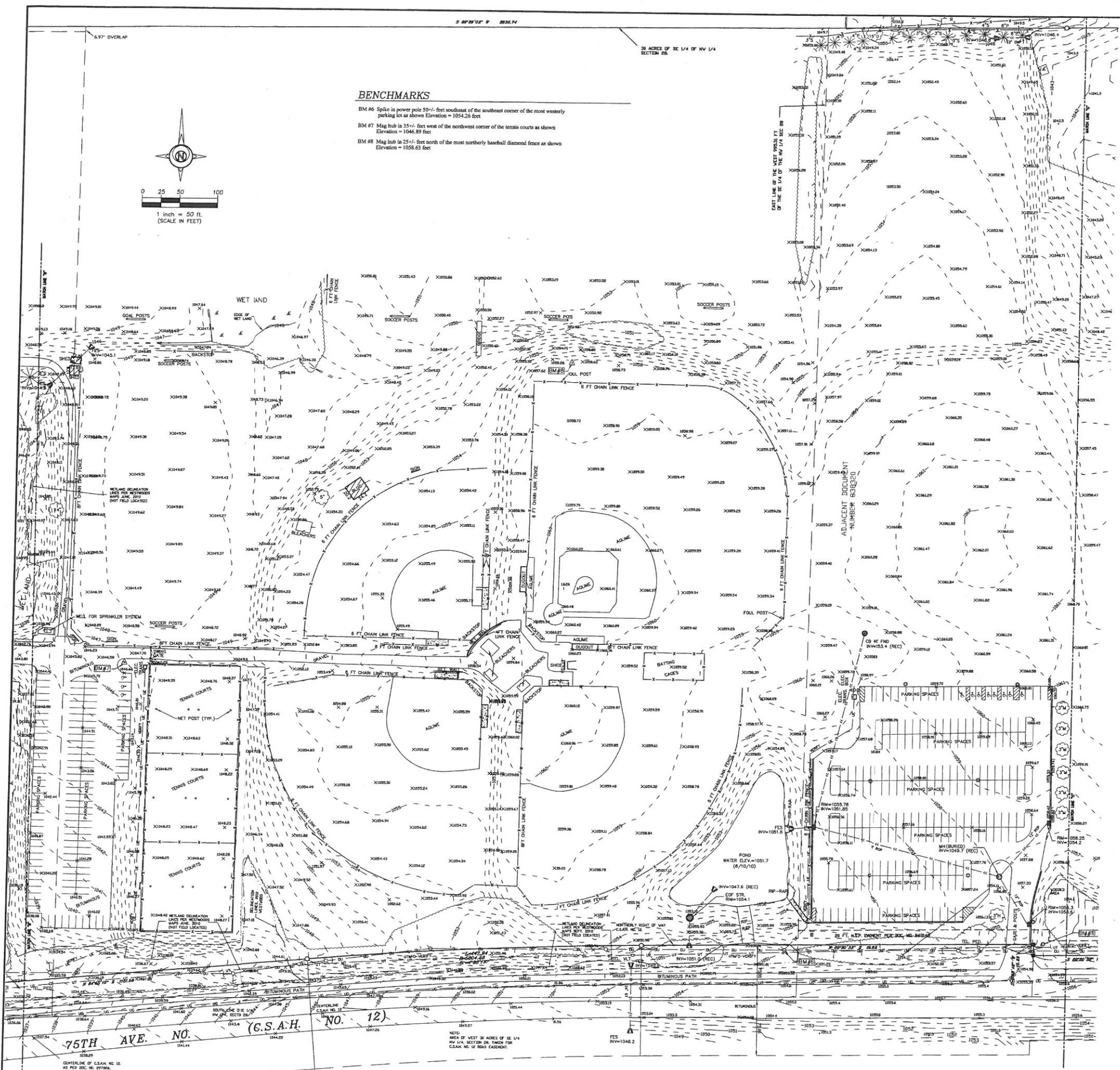
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DATE	REVISIONS	DRAWN BY
		DSB
		CHECKED BY
		PAJ
		DATE
		10/04/10
		PROJECT NO.
		CT0512
		SHEET NO.





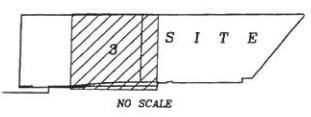
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**TREE LEGEND**

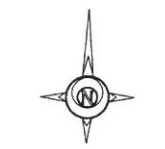
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**BENCHMARKS**

- BM #6 Spike in power pole 50+/- feet southeast of the southeast corner of the most westerly parking lot as shown Elevation = 1054.26 feet
- BM #7 Mag hub to 35+/- feet west of the northwest corner of the tennis courts as shown Elevation = 1046.89 feet
- BM #8 Mag hub to 25+/- feet north of the most northerly baseball diamond fence as shown Elevation = 1058.63 feet



0 25 50 100  
1 inch = 50 ft.  
(SCALE IN FEET)

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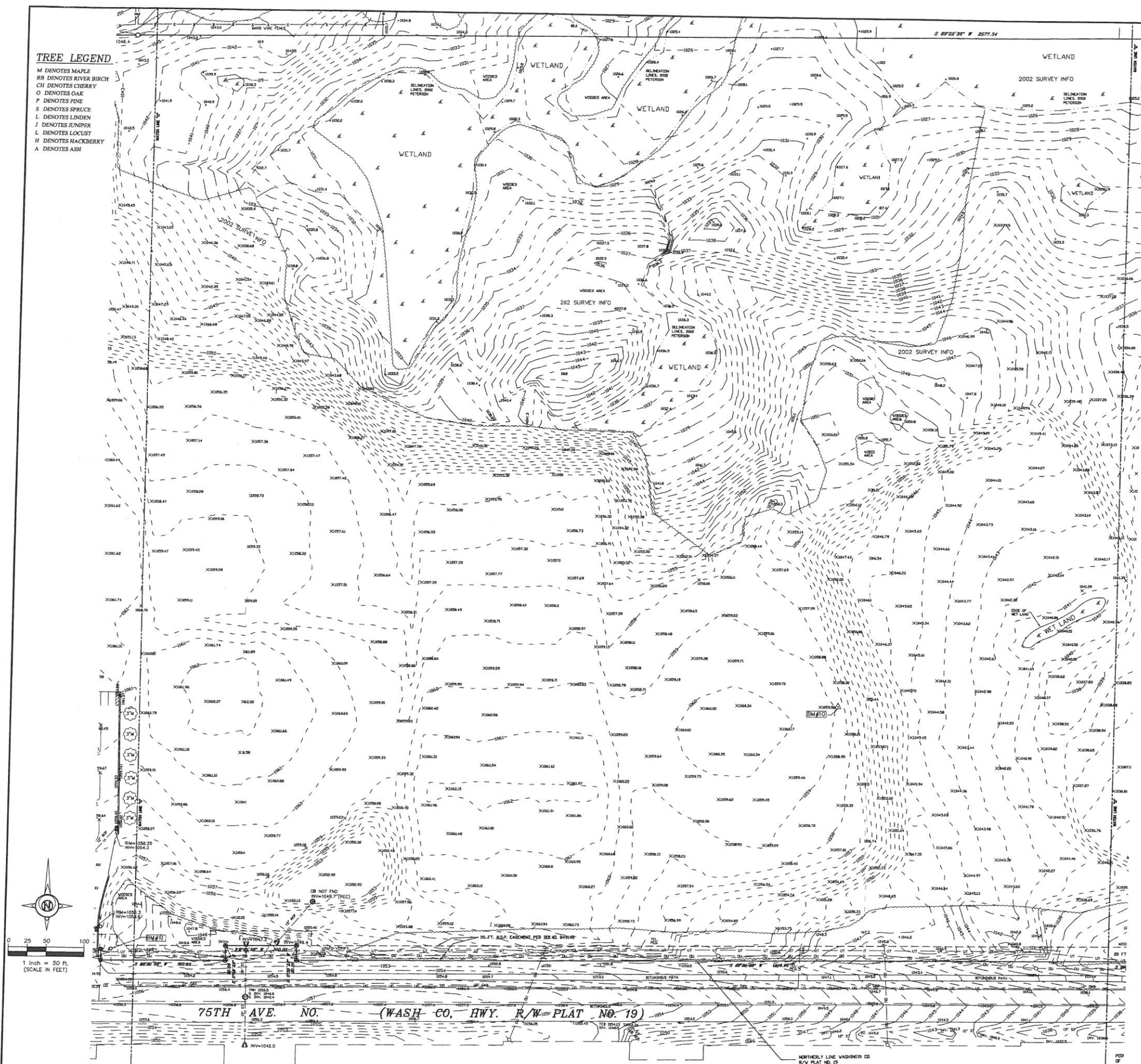
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**MAHTOMEDI HIGH AND WILDWOOD ELEM SITES**  
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SHEET TITLE: \_\_\_\_\_  
 FOR: \_\_\_\_\_  
 PROJECT: \_\_\_\_\_  
 DATE: \_\_\_\_\_  
 REVISIONS: \_\_\_\_\_  
 DRAWN BY: DSB  
 CHECKED BY: PAJ  
 DATE: 10/04/10  
 PROJECT NO.: C10512  
 SHEET NO.: **3**  
 Sheet 3 of 6

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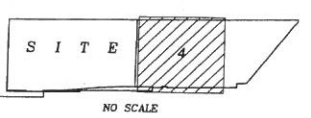
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**BENCHMARKS**

- BM #10 Hub in center of east line of most easterly soccer field as shown. Elevation = 1058.85 feet
- BM #11 Spike in light pole 15'- feet east of the east line of the most easterly parking lot entrance as shown. Elevation = 1056.56 feet

**SHEET LAYOUT**



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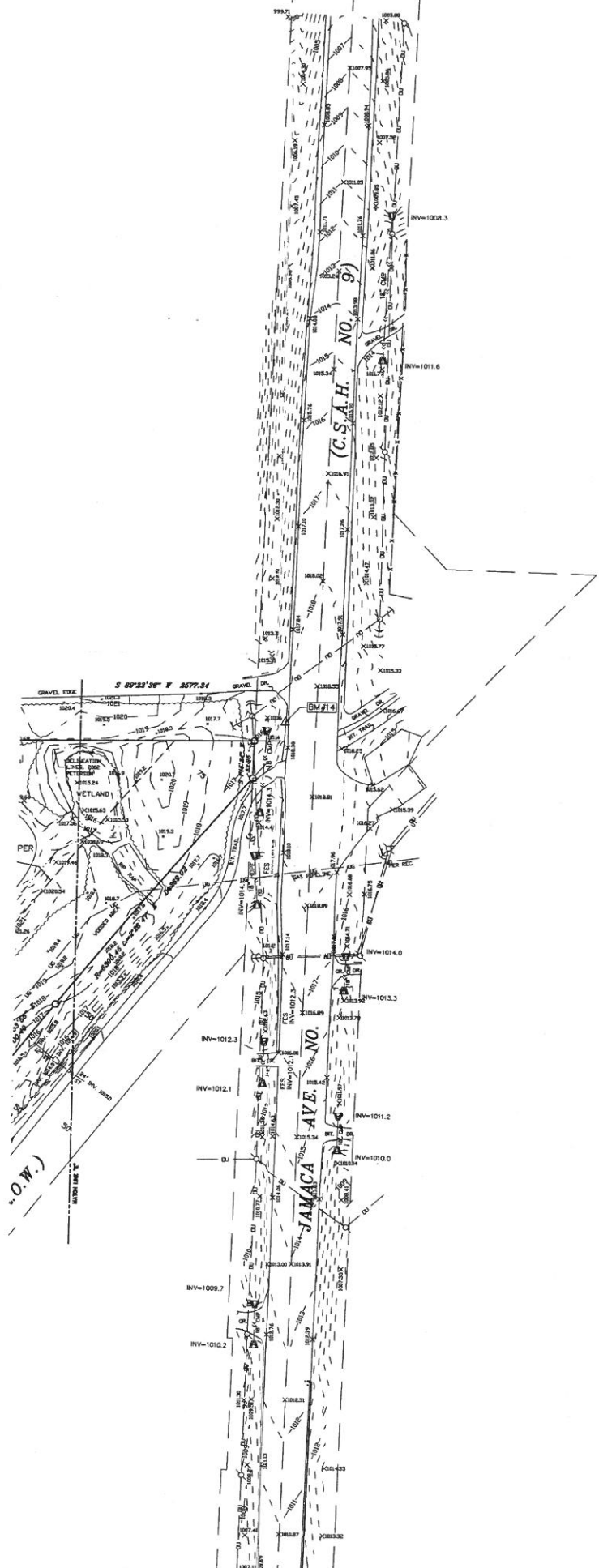
DATE	
REVISIONS	
DRAWN BY	DSB
CHECKED BY	PAJ
DATE	10/04/10
PROJECT NO.	C10512
SHEET NO.	4





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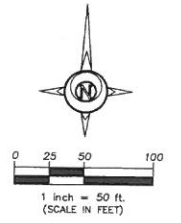
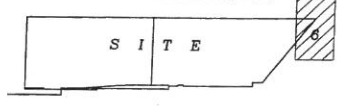
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**BENCHMARKS**

BM #14 Mag Hub 35'-1/2" feet northeast of the northeast property corner as shown  
Elevation = 1017.95 feet

**SHEET LAYOUT**



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PROJECT  
**MAHTOMEDI HIGH AND WILDWOOD ELEM. SITES  
MAHTOMEDI, MINNESOTA**

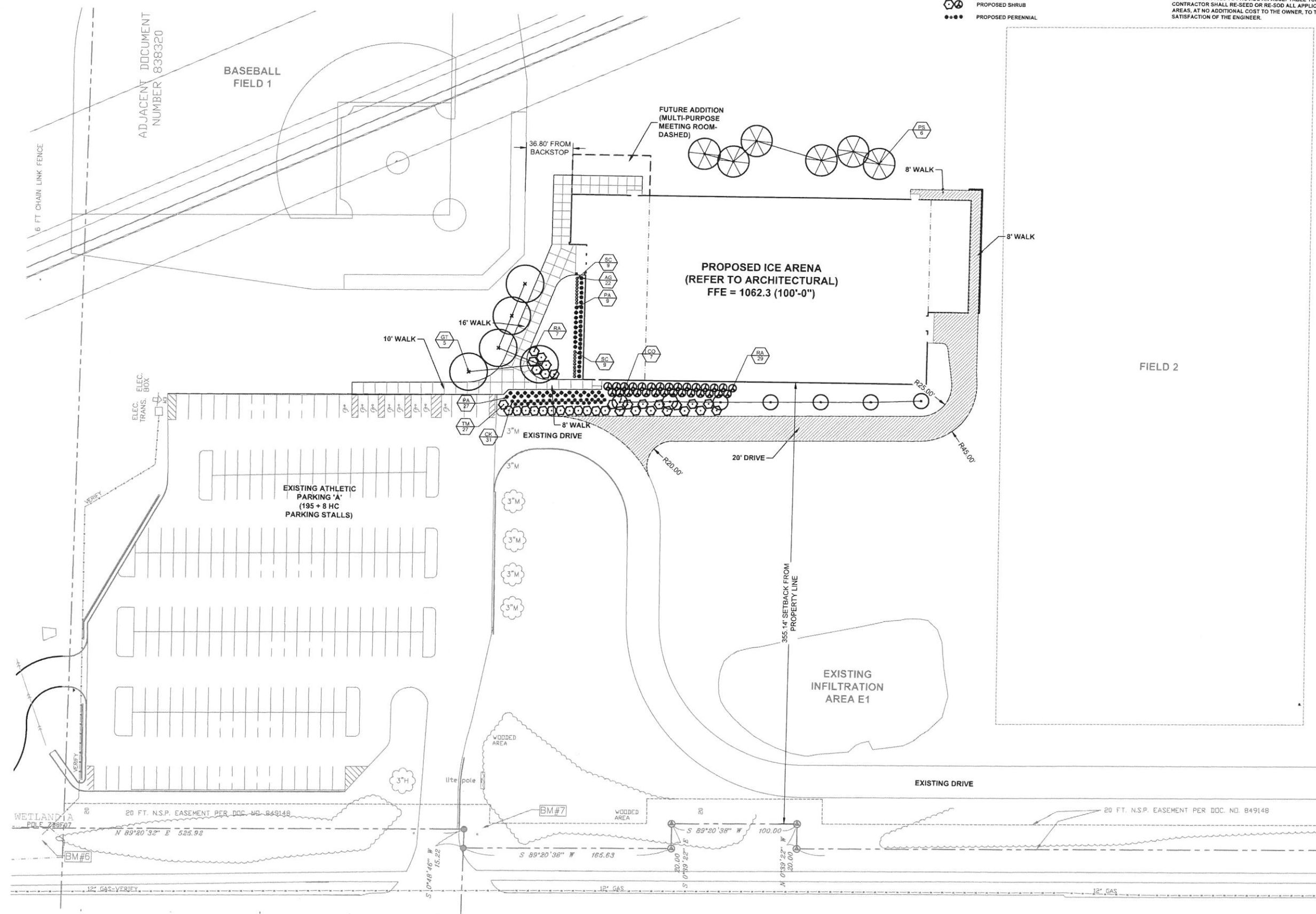
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PLANT SCHEDULE					
SYMBOL	COMMON NAME	SCIENTIFIC NAME	QTY	SIZE	ROOT
<b>DECIDUOUS SHADE TREES</b>					
CO	PRAIRIE SENTINEL HACKBERRY	Celtis occidentalis 'FS-KSU1'	7	2-1/2" cal	B&B
GT	'SKYLINE' HONEYLOCUST	Gleditsia triacanthos var. inermis 'Skycole'	5	2-1/2" cal	B&B
<b>CONIFEROUS TREES</b>					
PS	SCOTCH PINE	Pinus sylvestris	6	6" Ht.	B&B
<b>DECIDUOUS SHRUBS</b>					
RA	GRO-LOW FRAGRANT SUMAC	Rhus aromatica 'Gro-Low'	34	#5	Cont.
<b>CONIFEROUS SHRUBS</b>					
TM	TALUNTON YEW	Taxus x media 'Taunton'	29	#7	Cont.
<b>PERENNIALS/ORNAMENTAL GRASSES</b>					
AG	BIG BLUES TERN	Andropogon gerardii	22	#1	Cont.
CK	KARL FOERSTER GRASS	Calamagrostis 'Karl Foerster'	31	#1	Cont.
PA	PEEK-A-BLUE RUSSIAN SAGE	Perovskia atriplicifolia 'PeeK-A-Blue'	36	#1	Cont.
SC	CHERRY TRUFFLE SEDUM	Sedum 'Cherry Truffle'	18	#1	Cont.

- LEGEND**
- 1 REFERENCE KEY TO SITE DETAILS  
DETAIL I.D NUMBER (TOP)  
DETAIL NUMBER (BOTTOM)
  - PROPOSED HEAVY DUTY BITUMINOUS PAVEMENT
  - PROPOSED CONCRETE WALK / SLAB
  - TURF GRASS MIX #1 LIMITS
  - PROPOSED TRAFFIC CONTROL SIGNAGE
  - BUILDING STOOP - REFER TO ARCHITECTURAL PLANS
  - PROPERTY LINE
  - PROPOSED DECIDUOUS TREE
  - PROPOSED CONIFEROUS TREE
  - PROPOSED SHRUB
  - PROPOSED PERENNIAL

- NOTES:**
- REFER TO SHEET C3.4, GRADING AND DRAINAGE PLAN, FOR GENERAL NOTES.
  - ALL APPLICABLE DIMENSIONS ARE TO FACE OF CURB, EDGE OF PAVEMENT, OR CENTERLINE OF FENCE UNLESS OTHERWISE NOTED.
  - SIGNAGE SHALL GENERALLY BE INSTALLED 18" BEHIND THE BACK OF CURB OR BACK OF WALK OR 36" FROM EDGE OF PAVEMENT.
  - ALL DISTURBED AREAS OUTSIDE THE BUILDING PAD WHICH ARE NOT DESIGNATED TO BE PAVED SHALL RECEIVE AT LEAST 6" OF TOPSOIL AND BE SEEDED OR SODDED. REFER TO PLAN FOR SOO AND SEED DESIGNATIONS. REFER TO FINISHING PLANS FOR LOCATIONS WHERE TOPSOIL THICKNESS VARIES.
  - CHECK ALL PLAN AND DETAIL DIMENSIONS AND VERIFY SAME BEFORE FIELD LAYOUT.
  - FAILURE OF TURF DEVELOPMENT: IN THE EVENT THE CONTRACTOR FAILS TO PROVIDE AN ACCEPTABLE TURF, THE CONTRACTOR SHALL RE-SEED OR RE-SOD ALL APPLICABLE AREAS, AT NO ADDITIONAL COST TO THE OWNER, TO THE SATISFACTION OF THE ENGINEER.



**292Desic**  
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 3533 E. LAKE STREET, MINNEAPOLIS, MN 55406

I hereby certify 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

*Jay R. Pomeroy*  
 Jay R. Pomeroy  
 Date: 07.01.16 Reg. No: 23543

DESCRIPTION	DATE
ADDENDUM 2	11/17/2015
PR #3	07/20/16
PR #33	6/14/2016

ISSUED FOR CITY REVIEW

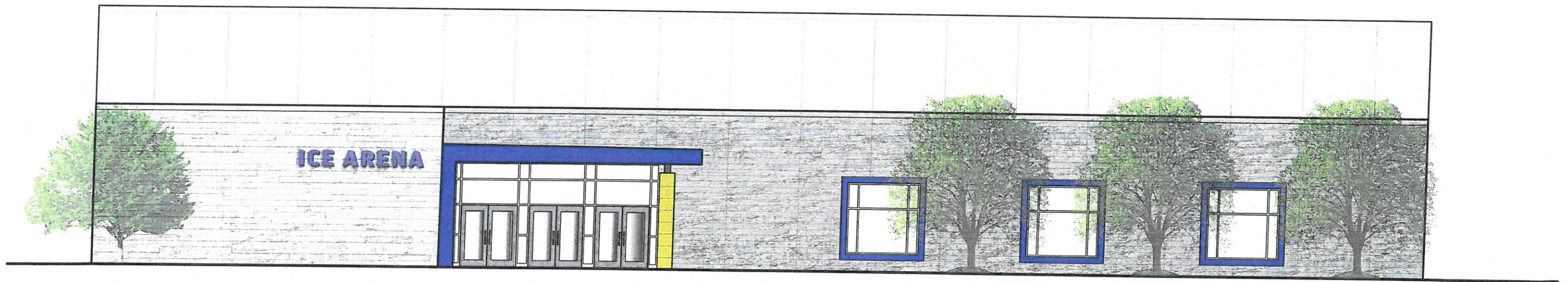
PROJECT NO. PR2016-X

MAHTOMEDI ICE ARENA

SITE PLAN

Project number 16XXX-00  
 Date 07/01/2016  
 Drawn by LJD  
 Checked by JRP

C1.1  
 Scale N/A



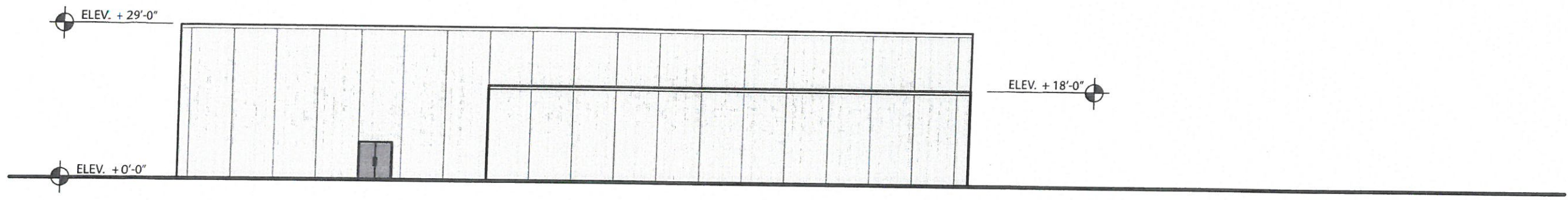
ENLARGED FRONT ELEVATION

scale:  $\frac{3}{32}$ " = 1'-0"  
date: 05.06.2016

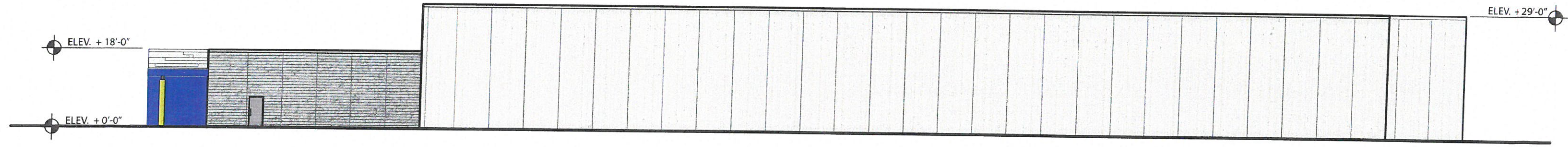
Mahtomedi Youth Hockey Association  
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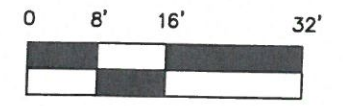




BACK ELEVATION



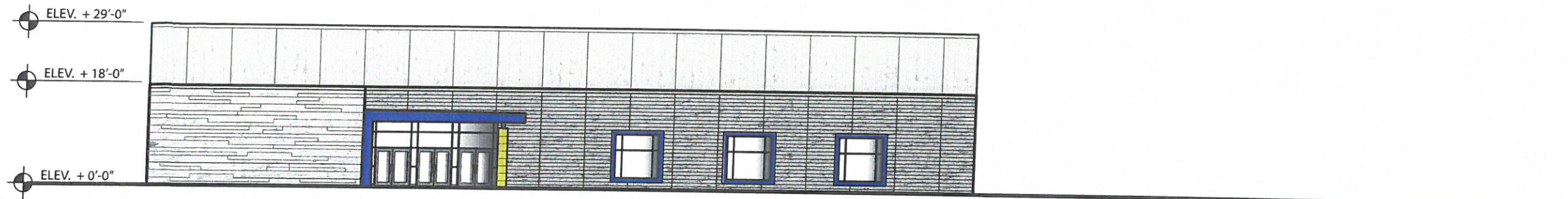
SIDE ELEVATION



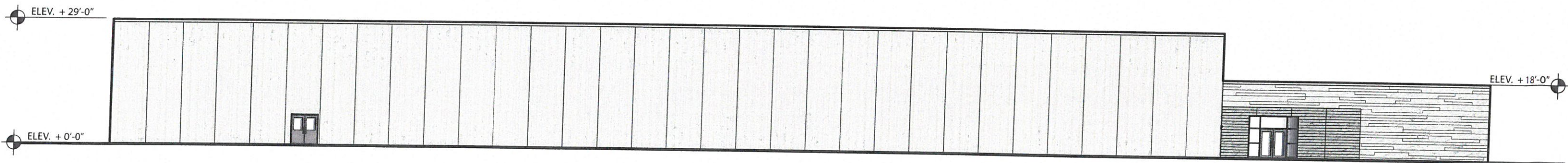
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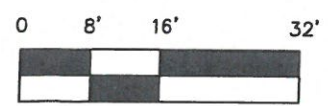
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FRONT ELEVATION



SIDE ELEVATION



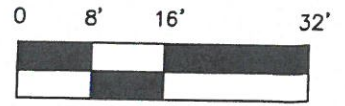
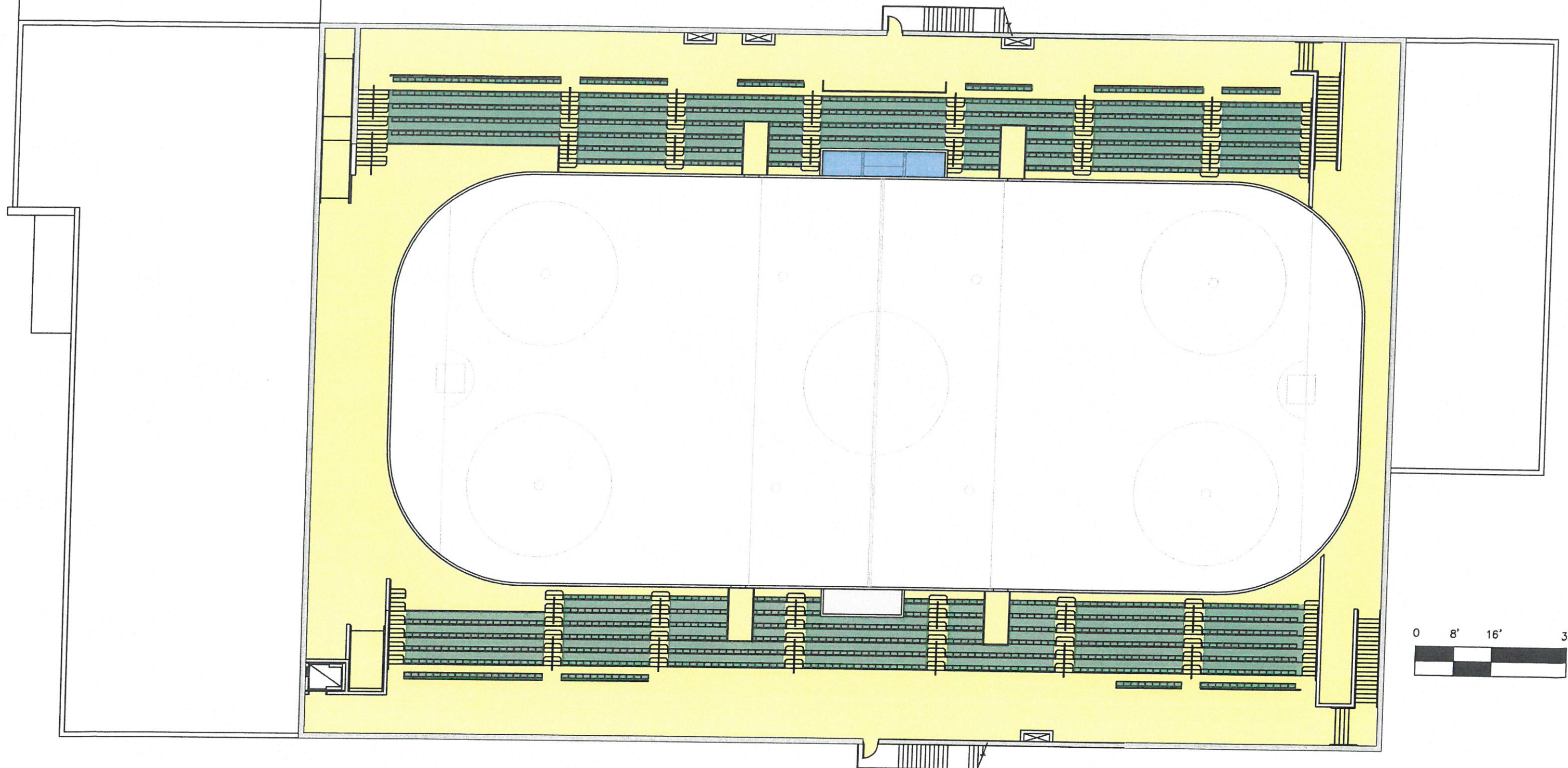
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Ice Arena Feasibility Study

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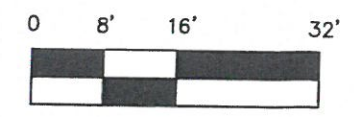
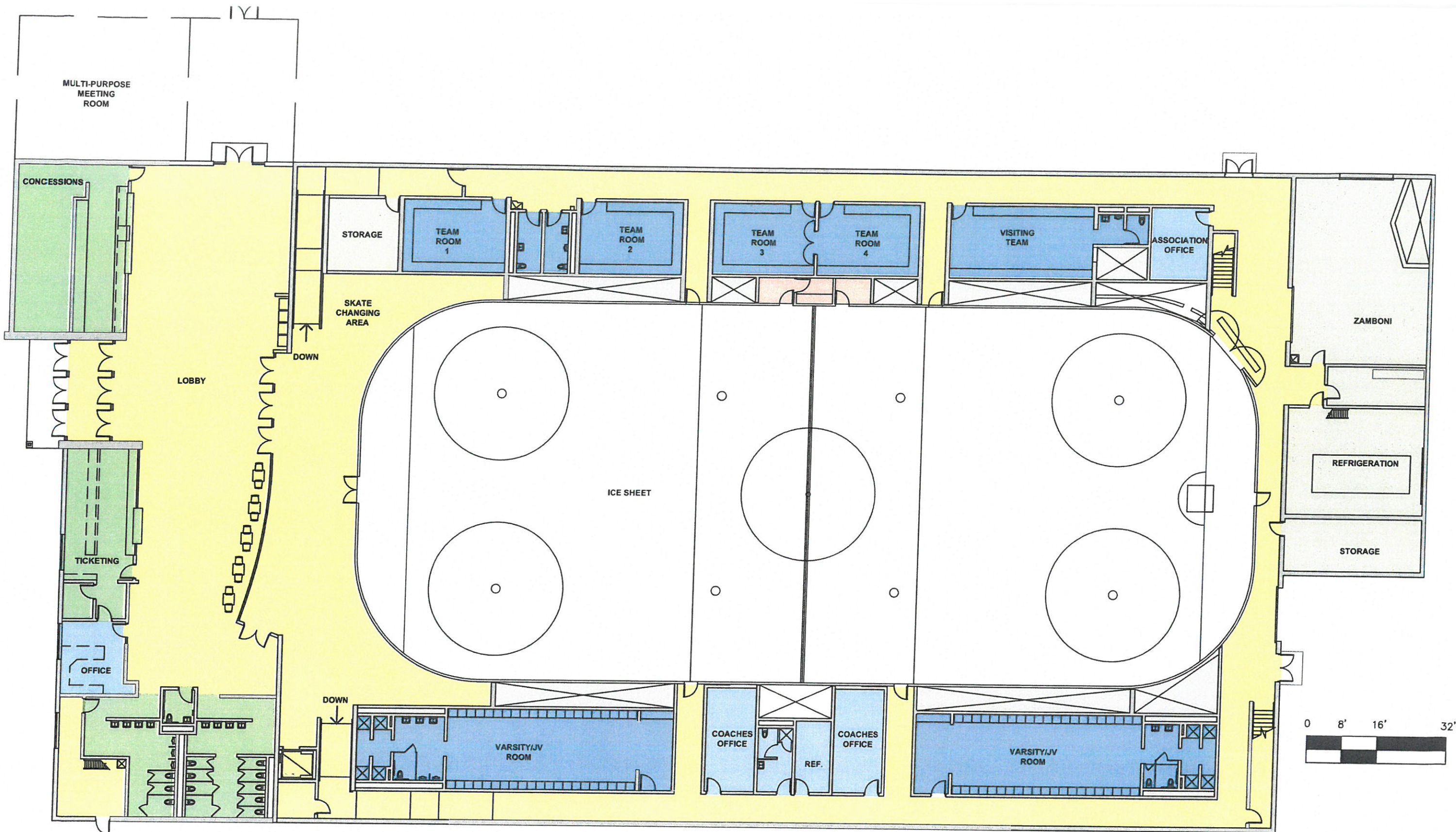
FLOOR PLAN - BLEACHER LEVEL

scale: as noted  
date: 05.06.2016

# Mahtomedi Youth Hockey Association

Ice Arena Feasibility Study





FLOOR PLAN - ICE LEVEL

scale: as noted  
 date: 05.06.2016

# Mahtomedi Youth Hockey Association

## Ice Arena Feasibility Study

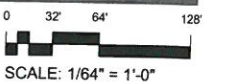




MAHTOMEDI ICE ARENA CONCEPT SITE PLAN

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08.04.15



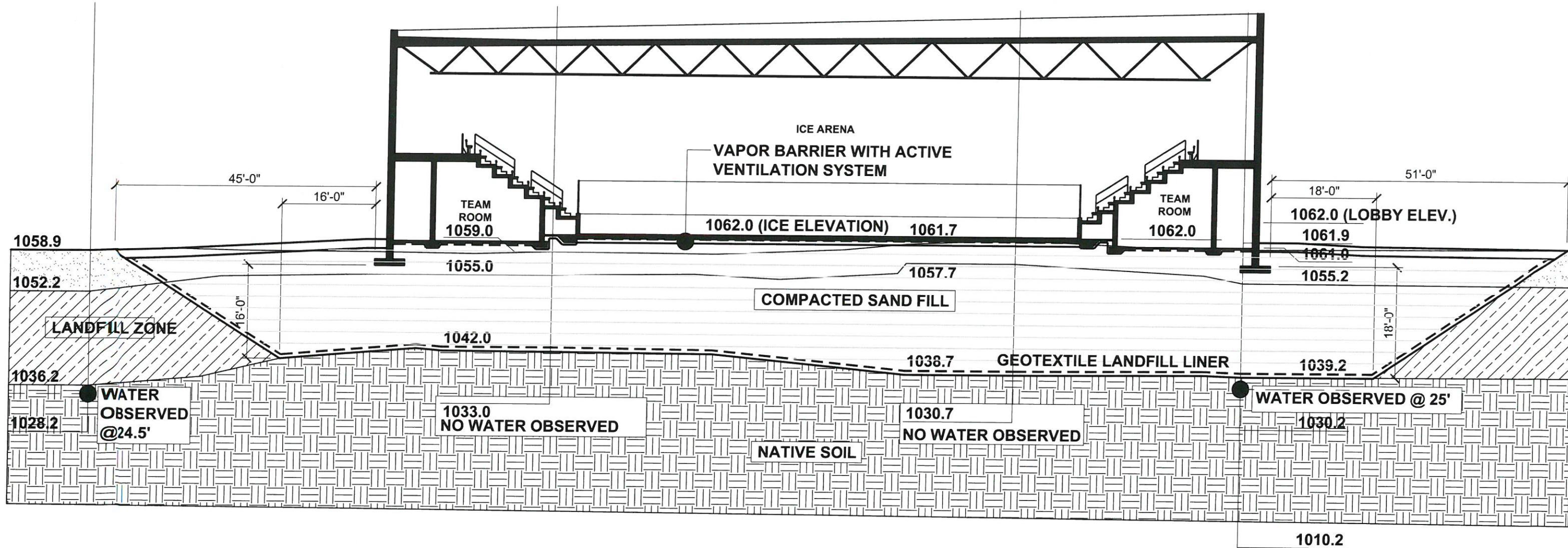


SOIL BORING  
**ST-1**

SOIL BORING  
**ST-5**

SOIL BORING  
**ST-7**

SOIL BORING  
**ST-9**



BUILDING SECTION

scale: 1/16" = 1'-0"  
date: 10.16.2017

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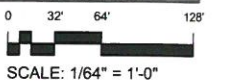




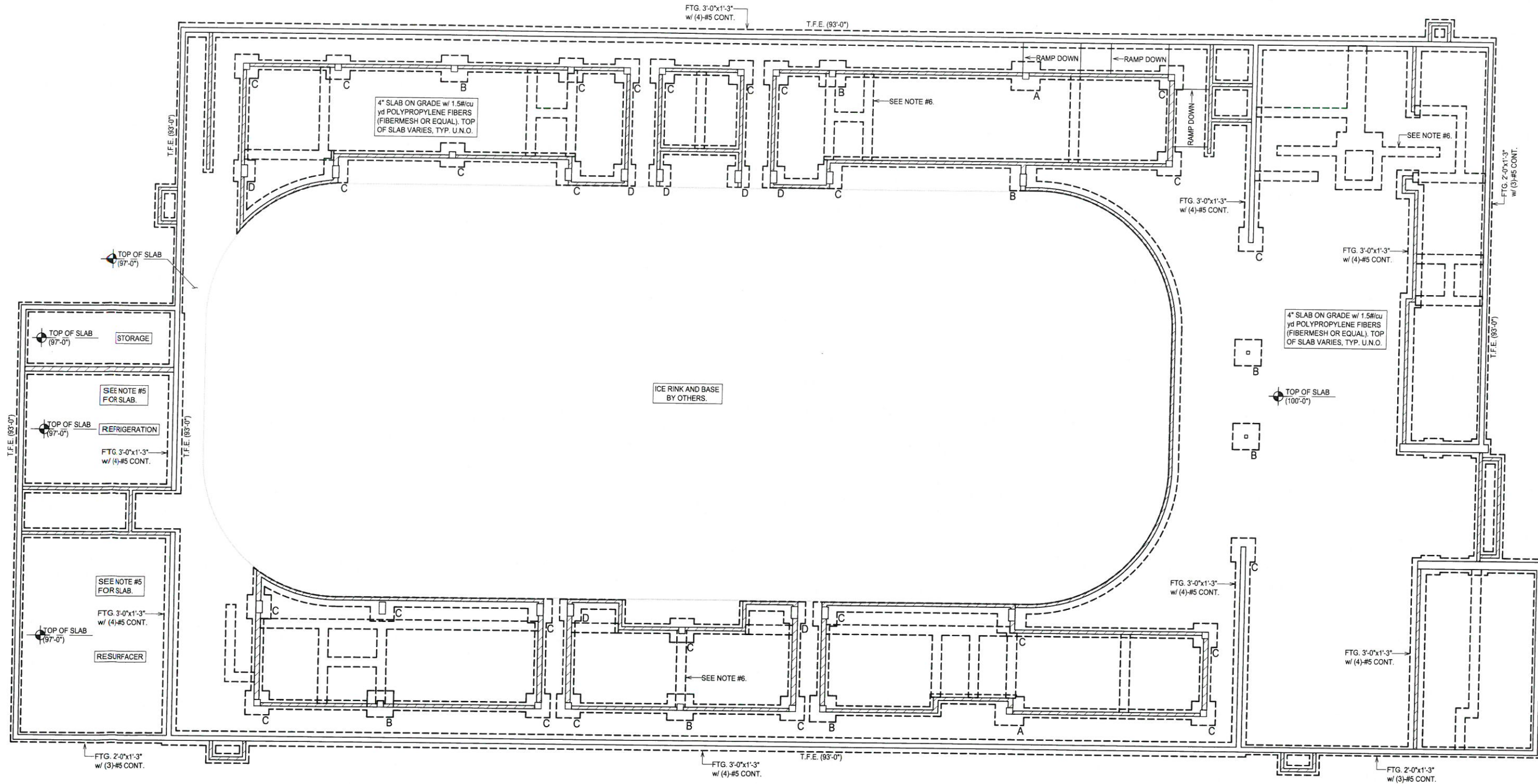
MAHTOMEDI ICE ARENA CONCEPT SITE PLAN

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10.18.17







SPREAD FOOTING SCHEDULE			
MARK	SIZE	REINFORCING EACH WAY, U.N.O.	NOTES
A	6'-0"x6'-0"x1'-5"	9-#5	-
B	5'-6"x5'-6"x1'-4"	8-#6	-
C	5'-0"x5'-0"x1'-3"	7-#5	-
D	4'-6"x4'-6"x1'-2"	6-#5	-
E	4'-0"x4'-0"x1'-1"	5-#4	-

**1 PRELIMINARY FOUNDATION PLAN**

- 3/32" = 1'-0"
- FOUNDATION NOTES:**
- REFERENCE ELEVATION EQUALS 100'-0" FINISH FIRST FLOOR. SEE PLAN FOR ELEVATIONS NOTED (-) FROM REFERENCE.
  - FOOTING ELEVATIONS GIVEN TO TOP OF FOOTING.
  - FOOTINGS ARE CENTERED BELOW WALLS, PIERS AND COLUMNS, U.N.O.
  - SOIL BEARING PRESSURE ASSUMED TO BE  $F_s = 4000$  PSF.
  - SEE DETAILS X/SX AND X/SX FOR SLAB ON GRADE CONTROL AND CONSTRUCTION JOINTS. PROVIDE 4" THICK CONCRETE ON GRADE WITH 6x6 - W2.9/W2.9 WWF TYPICAL, U.N.O. PROVIDE 6" THICK CONCRETE SLAB ON GRADE W/ #4 @ 12" o.c. EACH WAY CENTERED IN SLAB AT ICE RESURFACER AREA AND REFRIGERATION AREA. SEE PLAN FOR LOCATION, AND AT EXTERIOR APRONS. PROVIDE 5" CONCRETE SLABS AT ALL STOOPS FOR MAN DOORS.
  - PROVIDE THICKENED SLAB FOOTING 2'-0"x0'-8" w/ (2)-#5 CONT. UNDER ALL NON-BEARING CMU WALLS, U.N.O. SEE ARCH. FOR ALL CMU WALL LOCATIONS.

I hereby certify this plan, specification or report was prepared by me or under my direct supervision and that I am a duly Licensed Engineer under the laws of the state of Minnesota

Date: xx.xx.2015 Reg. No: xxxxx



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ORIG. ISSUE DATE: XX.XX.XXXX  
REVISIONS: XX.XX.XXXX

Mahtomedi Ice Arena Study

PRELIMINARY FOUNDATION PLAN

**S1.0**

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